

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081324\
 Data File : BM047170.D
 Acq On : 13 Aug 2024 11:02
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-4NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 12:39:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	182499	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	787140	20.000	ng	0.00
39) Acenaphthene-d10	14.027	164	510539	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1115889	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1090704	20.000	ng	0.00
86) Perylene-d12	23.721	264	1358635	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1305970	127.867	ng	0.00
7) Phenol-d6	6.581	99	1777709	126.318	ng	0.00
23) Nitrobenzene-d5	8.516	82	1352145	86.497	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	775824	131.056	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	2646970	79.975	ng	0.00
79) Terphenyl-d14	19.456	244	4293965	84.358	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	19970	4.719	ng	95
3) Pyridine	3.422	79	48983	3.947	ng	# 94
4) n-Nitrosodimethylamine	3.334	42	22821	4.209	ng	# 89
6) Aniline	6.722	93	69546	5.228	ng	99
8) 2-Chlorophenol	6.945	128	48496	4.353	ng	95
9) Benzaldehyde	6.534	77	49047m	4.477	ng	
10) Phenol	6.604	94	57477	4.093	ng	86
11) bis(2-Chloroethyl)ether	6.822	93	53216	4.425	ng	95
12) 1,3-Dichlorobenzene	7.257	146	56194	4.245	ng	97
13) 1,4-Dichlorobenzene	7.404	146	56357	4.205	ng	94
14) 1,2-Dichlorobenzene	7.716	146	54561	4.315	ng	99
15) Benzyl Alcohol	7.622	79	39231	3.917	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.892	45	75425	4.888	ng	97
17) 2-Methylphenol	7.828	107	38936	4.156	ng	94
18) Hexachloroethane	8.422	117	22552	4.344	ng	# 83
19) n-Nitroso-di-n-propyla...	8.181	70	44155	4.658	ng	95
20) 3+4-Methylphenols	8.157	107	52060	3.975	ng	97
22) Acetophenone	8.192	105	85472	4.498	ng	# 95
24) Nitrobenzene	8.557	77	66074	4.198	ng	95
25) Isophorone	9.086	82	110590	4.063	ng	99
26) 2-Nitrophenol	9.263	139	21737	3.118	ng	# 90
27) 2,4-Dimethylphenol	9.339	122	29623	3.628	ng	93
28) bis(2-Chloroethoxy)met...	9.575	93	70635	4.124	ng	98
29) 2,4-Dichlorophenol	9.798	162	41719	3.443	ng	95
30) 1,2,4-Trichlorobenzene	9.998	180	51151	3.730	ng	97
31) Naphthalene	10.175	128	166201	4.238	ng	99
32) Benzoic acid	9.428	122	24180m	2.549	ng	
33) 4-Chloroaniline	10.304	127	62217	4.126	ng	100
34) Hexachlorobutadiene	10.463	225	27240	3.394	ng	95
35) Caprolactam	11.086	113	13428	3.191	ng	# 85
36) 4-Chloro-3-methylphenol	11.445	107	45957	3.562	ng	94
37) 2-Methylnaphthalene	11.804	142	111009	3.976	ng	98
38) 1-Methylnaphthalene	12.027	142	107209	3.885	ng	96
40) 1,2,4,5-Tetrachloroben...	12.180	216	51229	3.679	ng	# 98
41) Hexachlorocyclopentadiene	12.163	237	18315	3.767	ng	88
43) 2,4,6-Trichlorophenol	12.445	196	32137	3.247	ng	96

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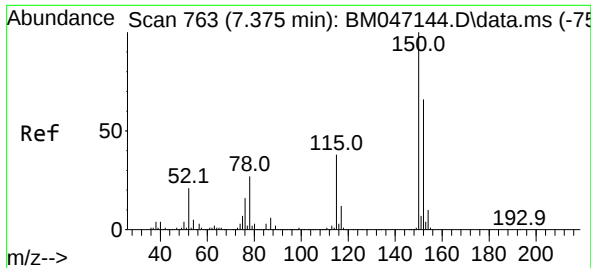
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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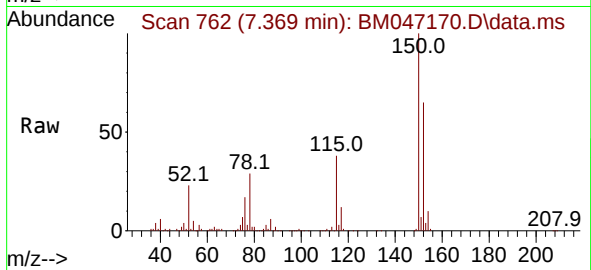
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	34248	3.116	ng	96
46) 1,1'-Biphenyl	12.851	154	159606	4.391	ng	99
47) 2-Chloronaphthalene	12.886	162	118012	4.154	ng	97
48) 2-Nitroaniline	13.110	65	31291	3.516	ng	# 84
49) Acenaphthylene	13.745	152	188284	4.496	ng	100
50) Dimethylphthalate	13.504	163	146278	4.102	ng	99
51) 2,6-Dinitrotoluene	13.621	165	27823	3.338	ng	91
52) Acenaphthene	14.092	154	111099	4.183	ng	96
53) 3-Nitroaniline	13.957	138	28469	3.409	ng	# 84
54) 2,4-Dinitrophenol	14.174	184	9367	1.875	ng	97
55) Dibenzofuran	14.433	168	184354	4.394	ng	97
56) 4-Nitrophenol	14.298	139	20948	2.909	ng	91
57) 2,4-Dinitrotoluene	14.421	165	35624	3.202	ng	# 70
58) Fluorene	15.092	166	145123	4.192	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.674	232	32170	3.562	ng	91
60) Diethylphthalate	14.892	149	145081	3.984	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	67429	4.091	ng	99
62) 4-Nitroaniline	15.127	138	27418	3.332	ng	94
63) Azobenzene	15.392	77	153047	4.433	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	15529	2.377	ng	88
66) n-Nitrosodiphenylamine	15.315	169	121771	4.006	ng	97
67) 4-Bromophenyl-phenylether	15.992	248	37598	3.497	ng	92
68) Hexachlorobenzene	16.098	284	48639	3.777	ng	96
69) Atrazine	16.286	200	38087	4.164	ng	97
70) Pentachlorophenol	16.451	266	23461	2.599	ng	98
71) Phenanthrene	16.833	178	244898	4.373	ng	99
72) Anthracene	16.921	178	225516	4.139	ng	100
73) Carbazole	17.204	167	218839	3.933	ng	99
74) Di-n-butylphthalate	17.792	149	236591	3.655	ng	# 98
75) Fluoranthene	18.868	202	253799	3.726	ng	98
77) Benzidine	19.074	184	71948	3.890	ng	99
78) Pyrene	19.233	202	275824	3.542	ng	97
80) Butylbenzylphthalate	20.174	149	100391	3.159	ng	93
81) Benzo(a)anthracene	21.009	228	282431	3.901	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	85234	3.762	ng	97
83) Chrysene	21.068	228	273990	3.988	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	149049	3.307	ng	95
85) Di-n-octyl phthalate	22.003	149	229077	2.990	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.709	276	352379	4.013	ng	98
88) Benzo(b)fluoranthene	22.880	252	287423	3.562	ng	98
89) Benzo(k)fluoranthene	22.933	252	288710	3.788	ng	98
90) Benzo(a)pyrene	23.591	252	258453	3.698	ng	# 98
91) Dibenzo(a,h)anthracene	26.756	278	291958	4.108	ng	99
92) Benzo(g,h,i)perylene	27.626	276	289415	3.922	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

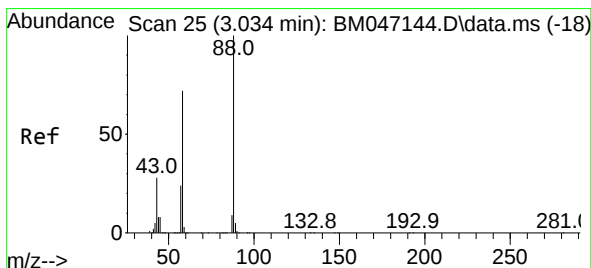
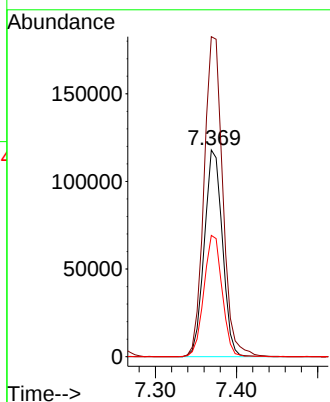
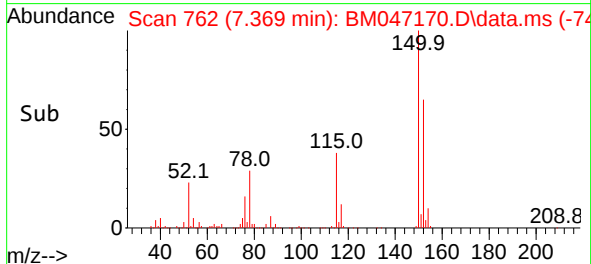
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:152 Resp: 18249
Ion Ratio Lower Upper
152 100
150 154.7 120.5 180.7
115 58.7 45.5 68.3

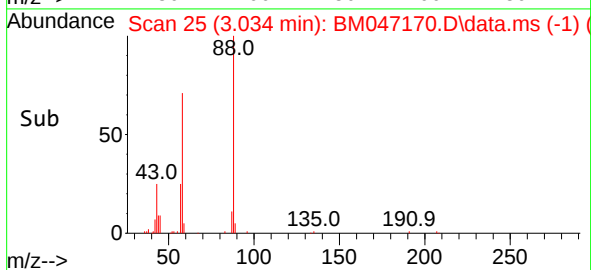
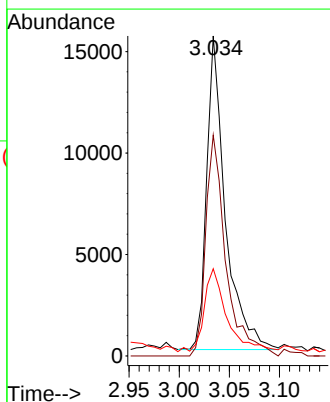
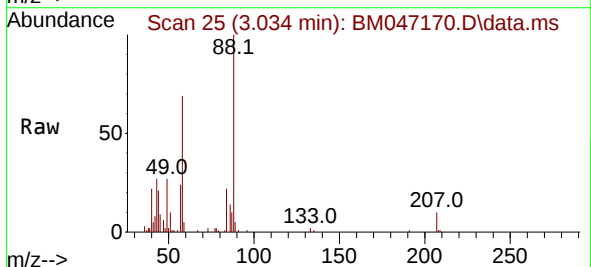
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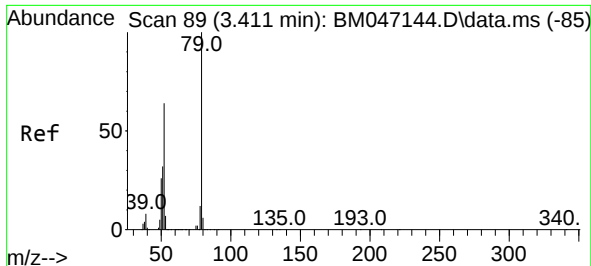
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#2
1,4-Dioxane
Concen: 4.719 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

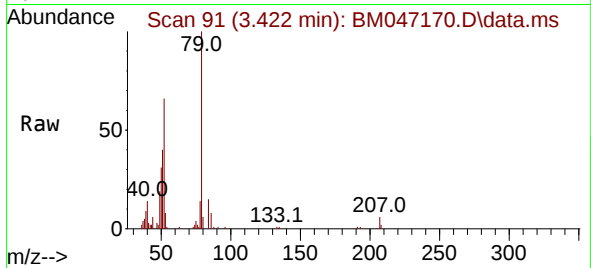
Tgt Ion: 88 Resp: 19970
Ion Ratio Lower Upper
88 100
58 75.9 58.2 87.4
43 32.2 22.5 33.7





#3
 Pyridine
 Concen: 3.947 ng
 RT: 3.422 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: BM047170.D
 Acq: 13 Aug 2024 11:02

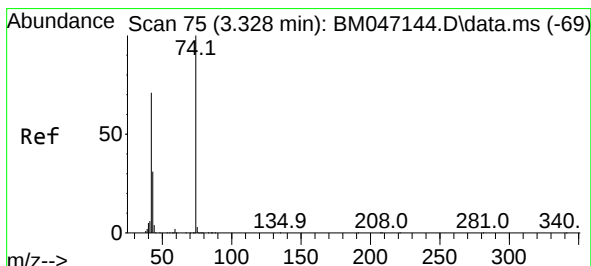
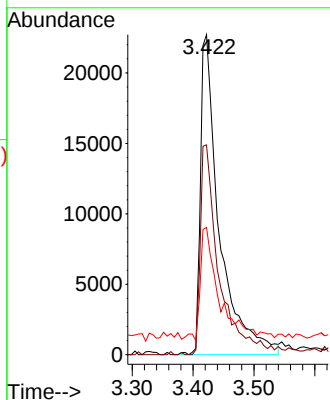
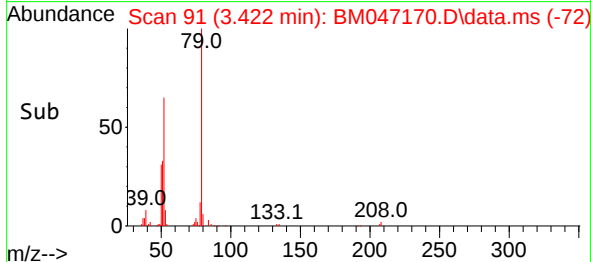
Instrument :
 BNA_M
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 MDL-SOIL-03-QT3-2024



Tgt Ion: 79 Resp: 4898
 Ion Ratio Lower Upper
 79 100
 52 65.6 51.2 76.8
 51 39.8 26.1 39.1

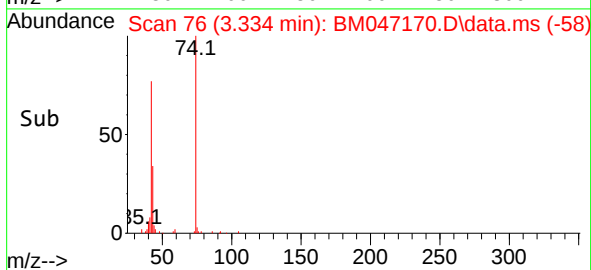
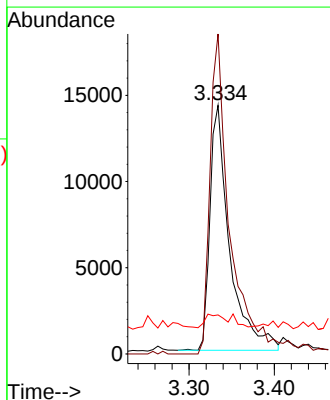
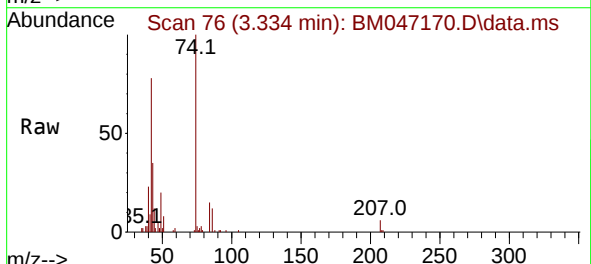
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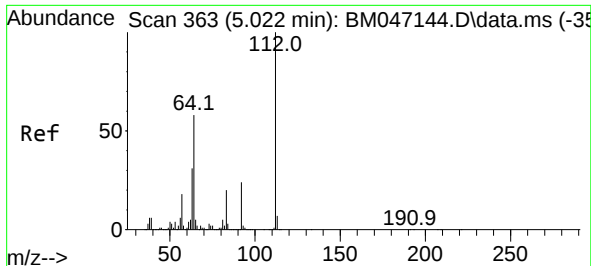
Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/14/2024



#4
 n-Nitrosodimethylamine
 Concen: 4.209 ng
 RT: 3.334 min Scan# 76
 Delta R.T. 0.006 min
 Lab File: BM047170.D
 Acq: 13 Aug 2024 11:02

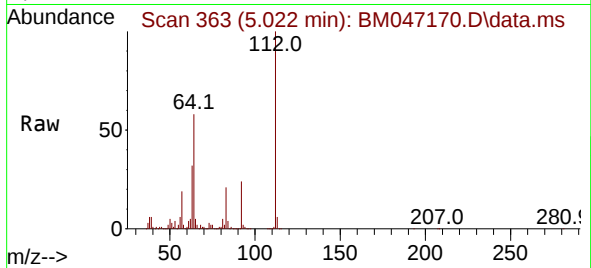
Tgt Ion: 42 Resp: 22821
 Ion Ratio Lower Upper
 42 100
 74 128.7 112.9 169.3
 44 15.7 5.3 7.9





#5
2-Fluorophenol
Concen: 127.867 ng
RT: 5.022 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

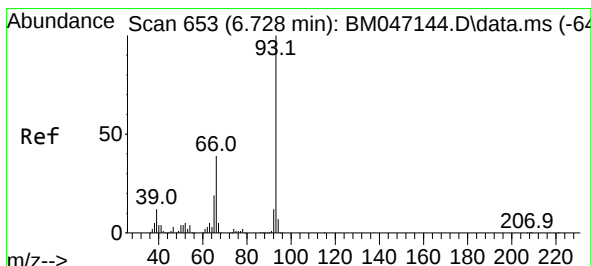
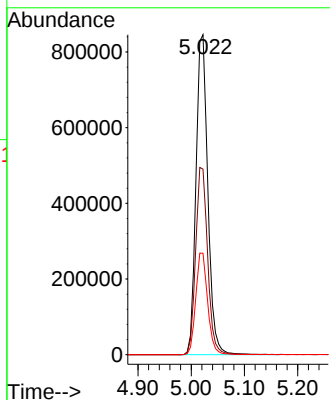
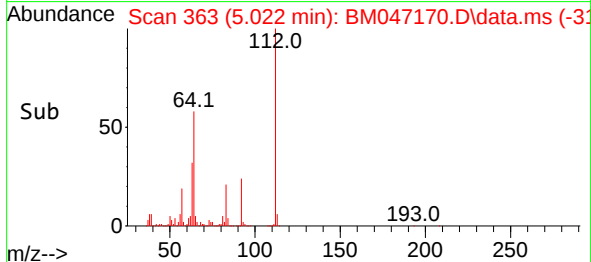
Instrument :
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MDL-SOIL-03-QT3-2024



Tgt Ion:112 Resp: 1305970
Ion Ratio Lower Upper
112 100
64 58.0 46.7 70.1
63 31.7 24.8 37.2

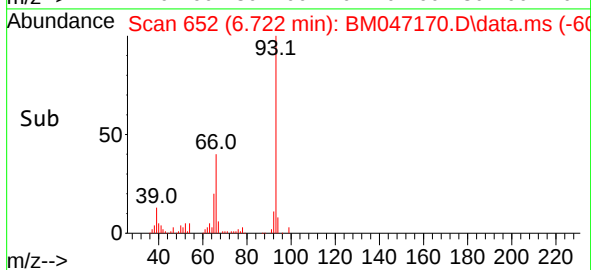
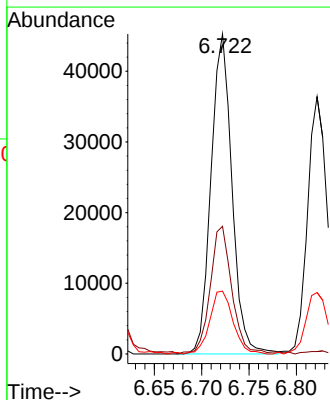
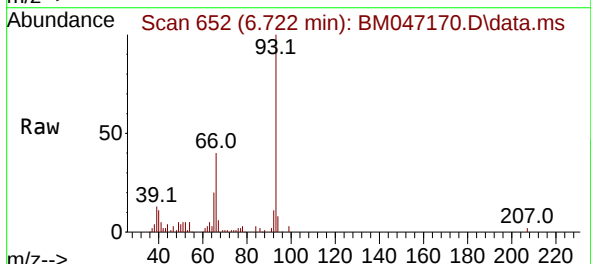
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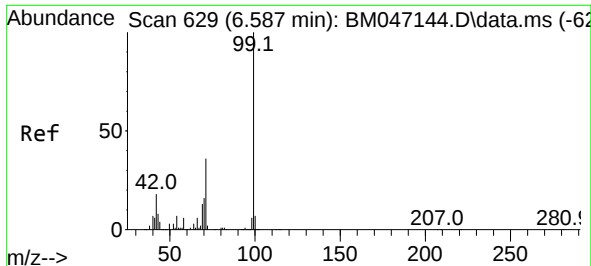
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#6
Aniline
Concen: 5.228 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

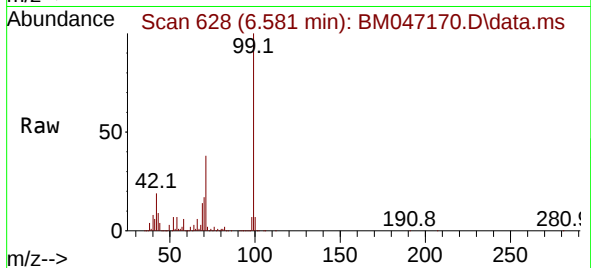
Tgt Ion: 93 Resp: 69546
Ion Ratio Lower Upper
93 100
66 39.9 31.4 47.2
65 19.7 15.6 23.4





#7
Phenol-d6
Concen: 126.318 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

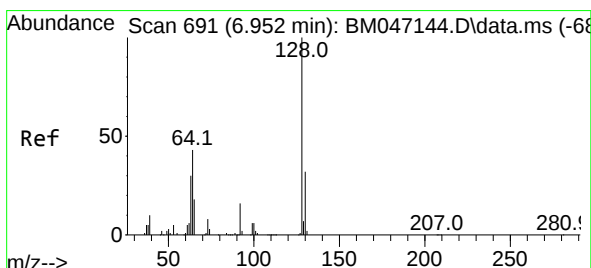
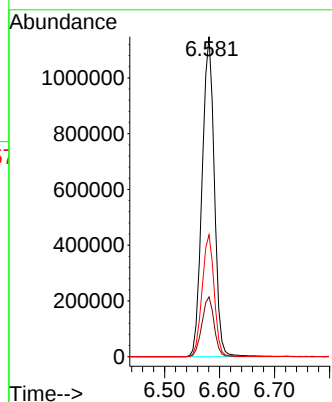
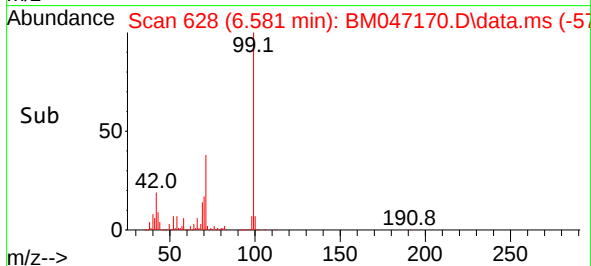
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 99 Resp: 1777709
Ion Ratio Lower Upper
99 100
42 18.7 14.1 21.1
71 38.1 28.5 42.7

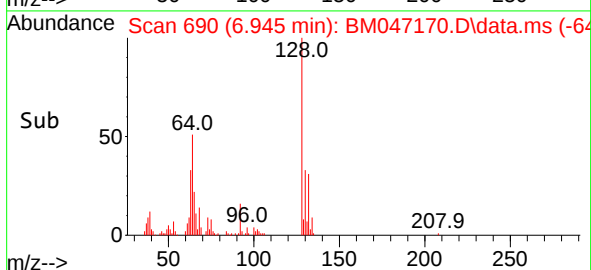
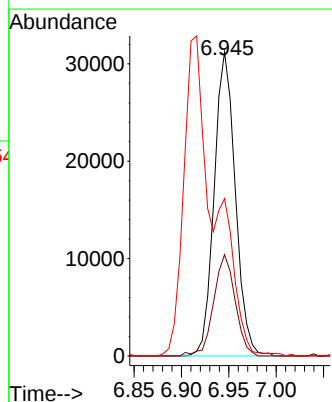
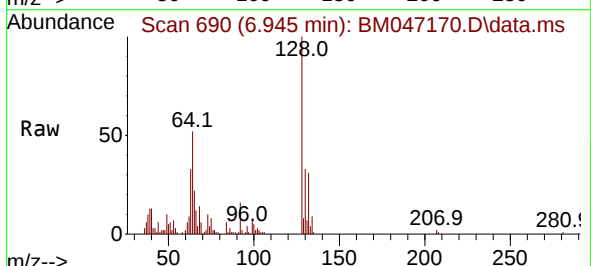
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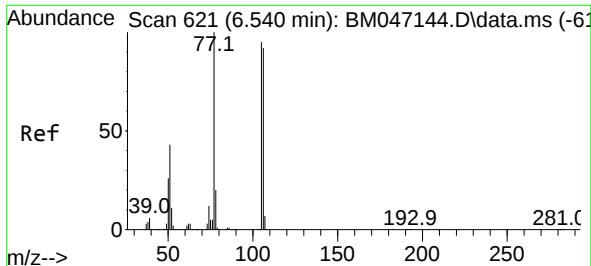
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#8
2-Chlorophenol
Concen: 4.353 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

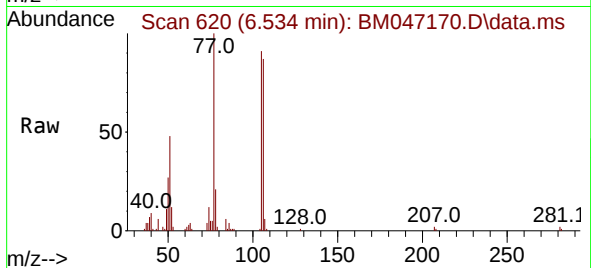
Tgt Ion:128 Resp: 48496
Ion Ratio Lower Upper
128 100
130 33.3 12.1 52.1
64 51.7 26.6 66.6





#9
Benzaldehyde
Concen: 4.477 ng m
RT: 6.534 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

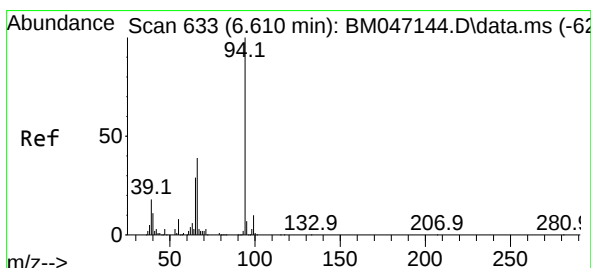
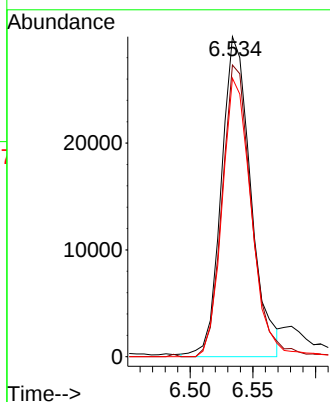
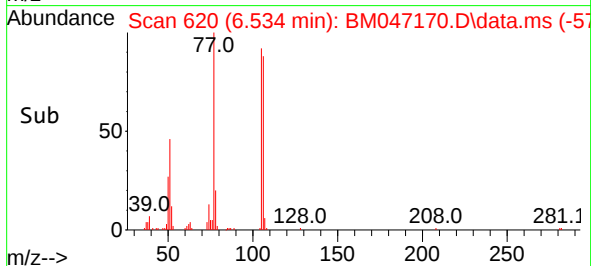
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 77 Resp: 4904
Ion Ratio Lower Upper
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105 91.1 74.5 114.5
106 87.0 72.3 112.3

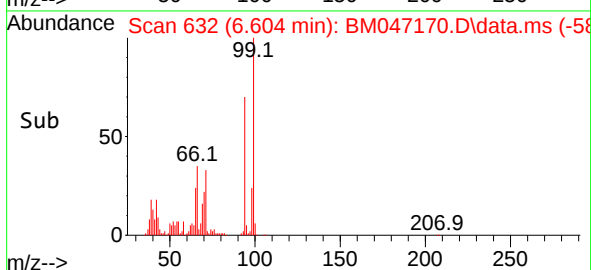
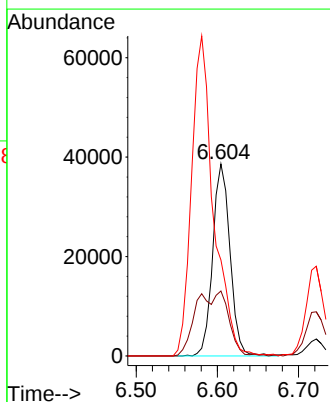
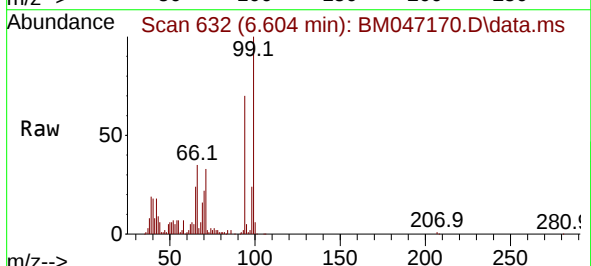
Manual Integrations
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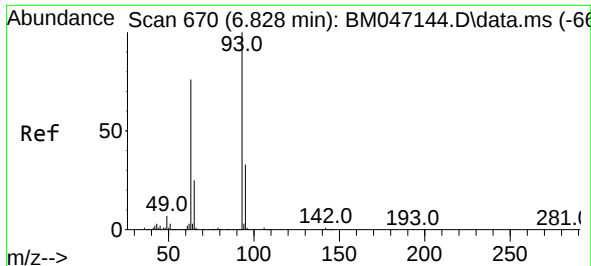
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#10
Phenol
Concen: 4.093 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

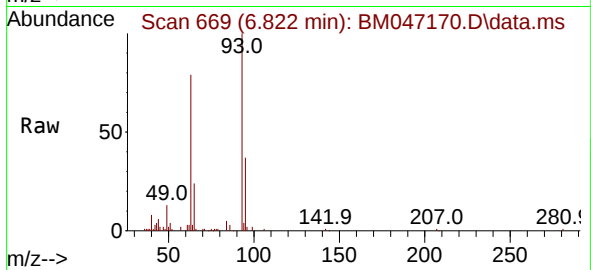
Tgt Ion: 94 Resp: 57477
Ion Ratio Lower Upper
94 100
65 33.8 9.0 49.0
66 50.0 18.9 58.9





#11
bis(2-Chloroethyl)ether
Concen: 4.425 ng
RT: 6.822 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

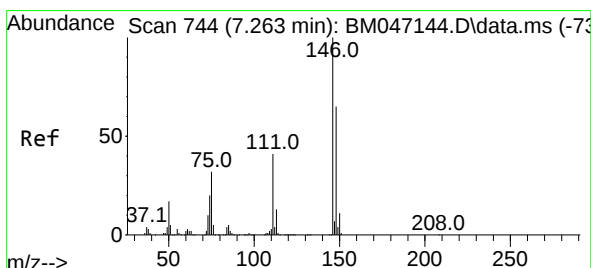
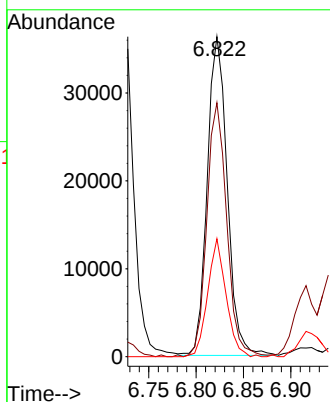
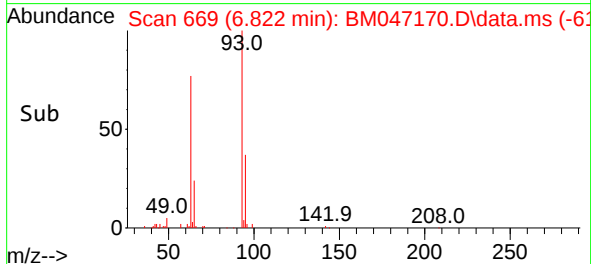
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 93 Resp: 53210
Ion Ratio Lower Upper
93 100
63 79.3 55.8 95.8
95 36.8 12.7 52.7

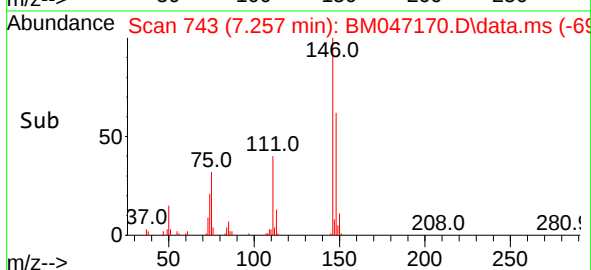
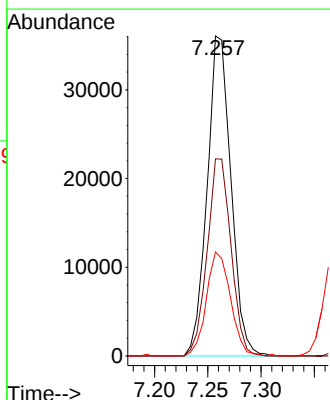
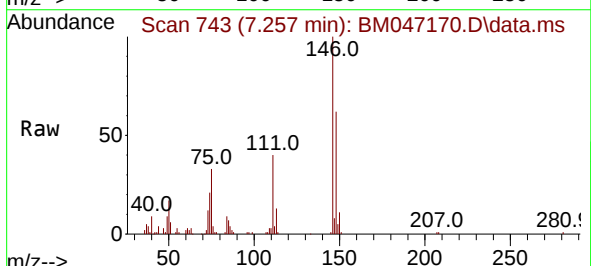
Manual Integrations
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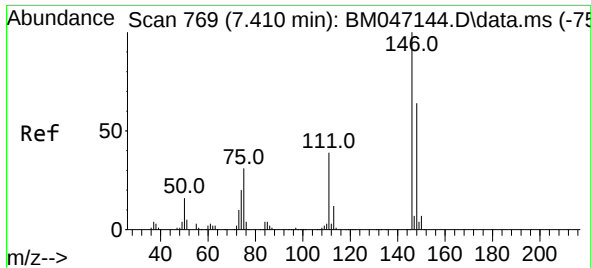
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#12
1,3-Dichlorobenzene
Concen: 4.245 ng
RT: 7.257 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

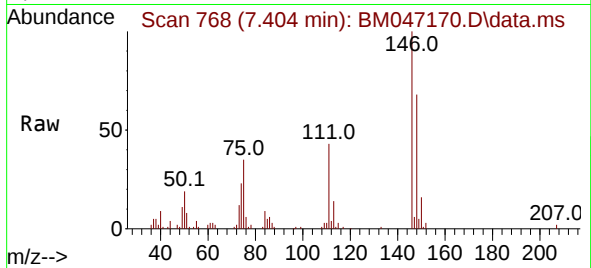
Tgt Ion:146 Resp: 56194
Ion Ratio Lower Upper
146 100
148 61.6 52.3 78.5
75 32.5 25.8 38.6





#13
1,4-Dichlorobenzene
Concen: 4.205 ng
RT: 7.404 min Scan# 769
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

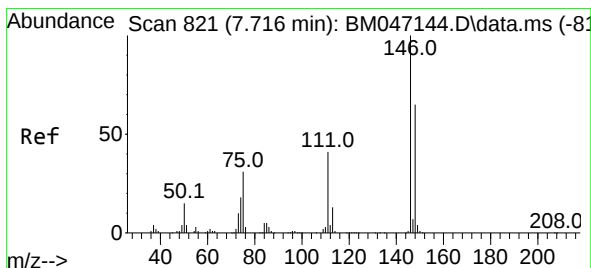
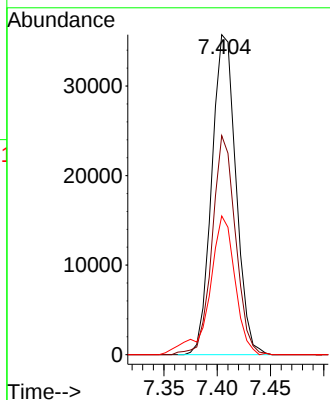
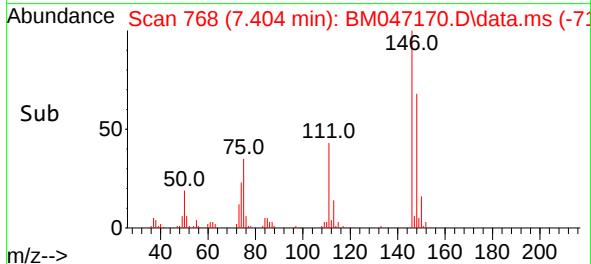
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:146 Resp: 5635
Ion Ratio Lower Upper
146 100
148 68.4 51.4 77.2
111 43.4 31.5 47.3

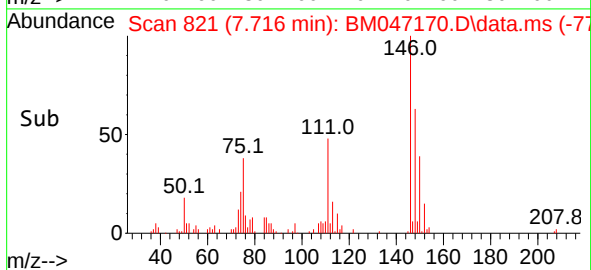
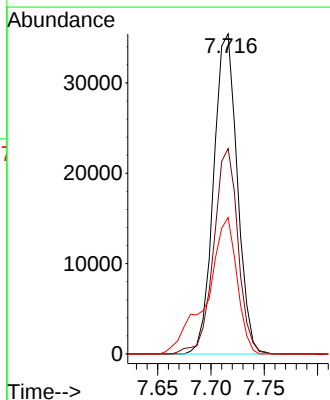
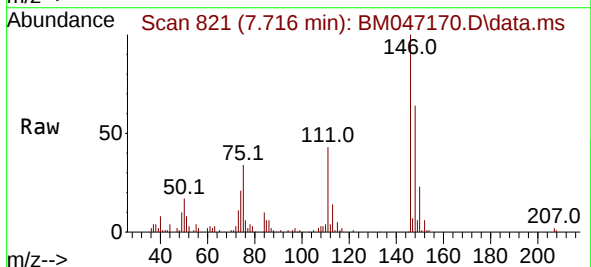
Manual Integrations
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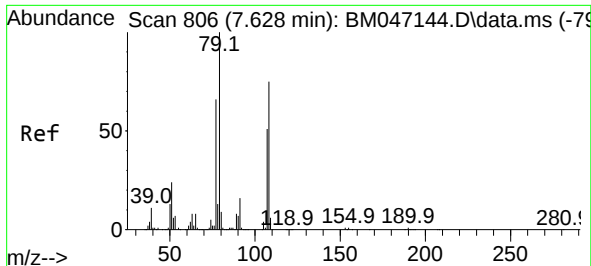
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#14
1,2-Dichlorobenzene
Concen: 4.315 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

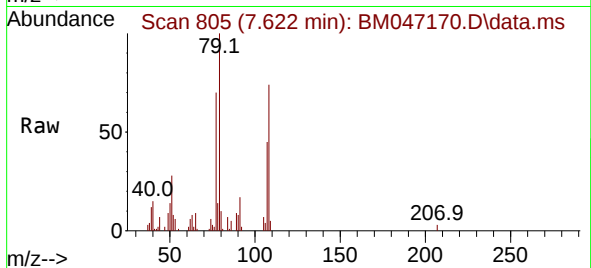
Tgt Ion:146 Resp: 54561
Ion Ratio Lower Upper
146 100
148 64.2 51.8 77.8
111 42.7 33.3 49.9





#15
Benzyl Alcohol
Concen: 3.917 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

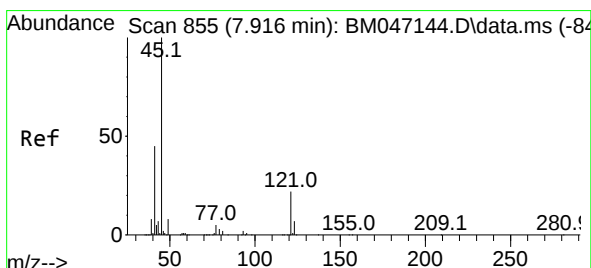
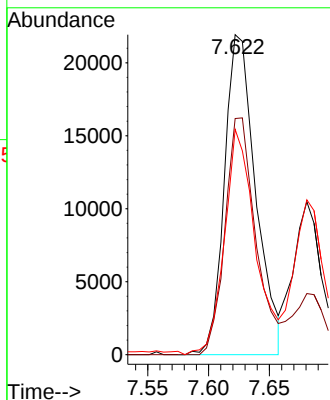
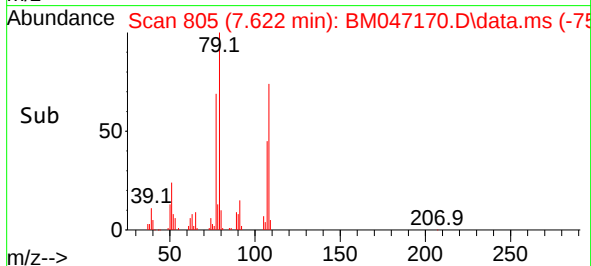
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



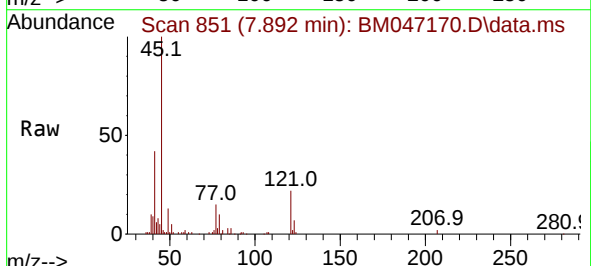
Tgt Ion: 79 Resp: 3923
Ion Ratio Lower Upper
79 100
108 73.8 59.7 89.5
77 70.4 52.9 79.3

Manual Integrations
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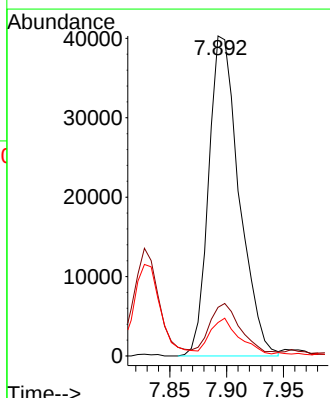
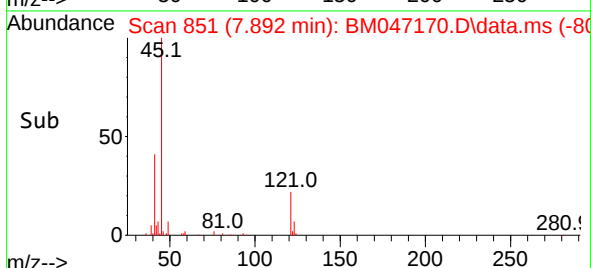
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

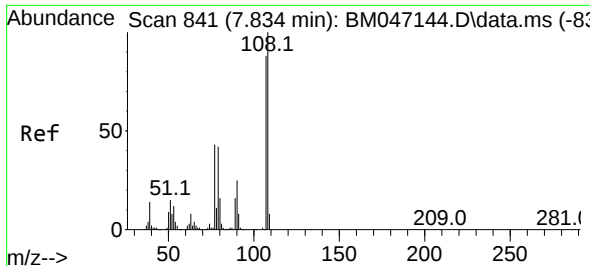


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.888 ng
RT: 7.892 min Scan# 851
Delta R.T. -0.024 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



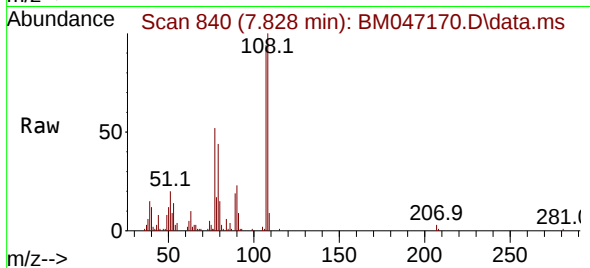
Tgt Ion: 45 Resp: 75425
Ion Ratio Lower Upper
45 100
77 15.2 0.0 35.6
79 10.4 0.0 32.4





#17
2-Methylphenol
Concen: 4.156 ng
RT: 7.828 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

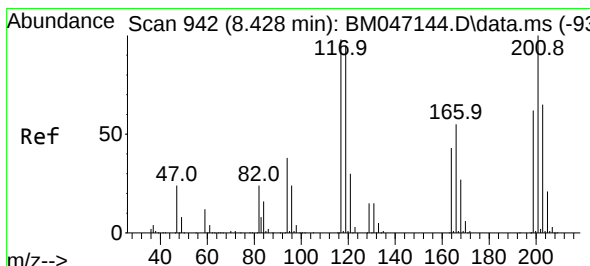
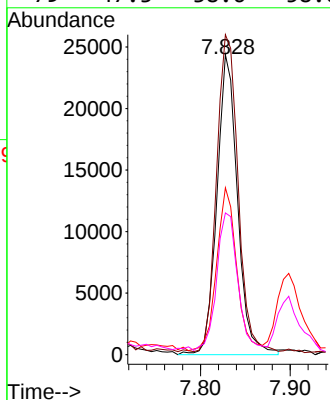
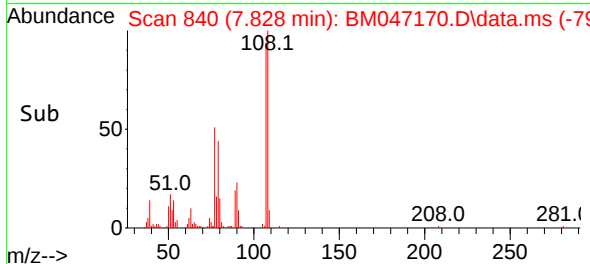
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:	107	Resp:	38930
Ion Ratio	Lower	Upper	
107	100		
108	106.7	90.6	135.8
77	55.6	39.3	58.9
79	47.3	38.6	58.0

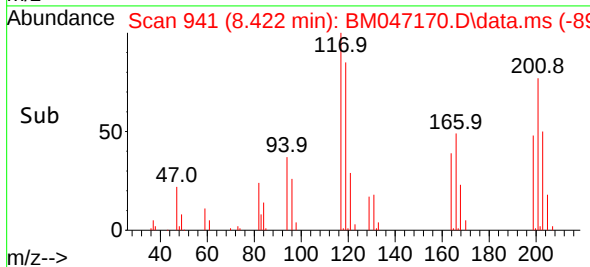
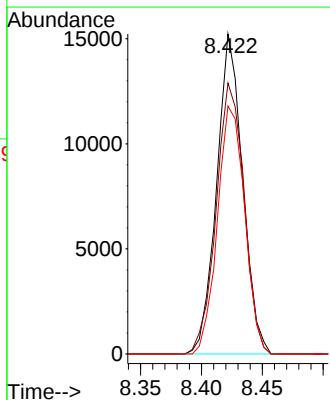
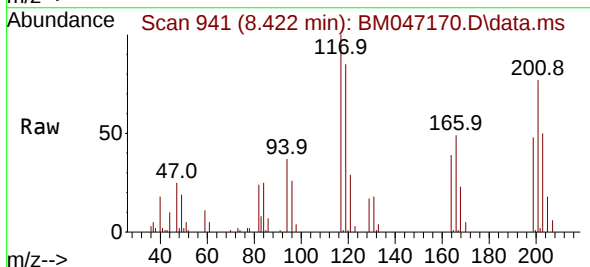
Manual Integrations
APPROVED

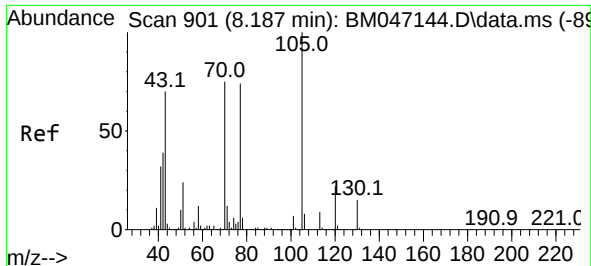
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#18
Hexachloroethane
Concen: 4.344 ng
RT: 8.422 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

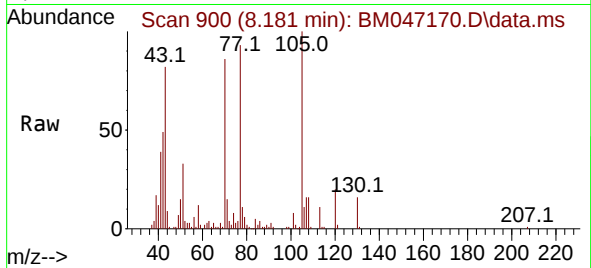
Tgt Ion:	117	Resp:	22552
Ion Ratio	Lower	Upper	
117	100		
119	84.7	77.0	115.4
201	79.0	81.3	121.9#





#19
n-Nitroso-di-n-propylamine
Concen: 4.658 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

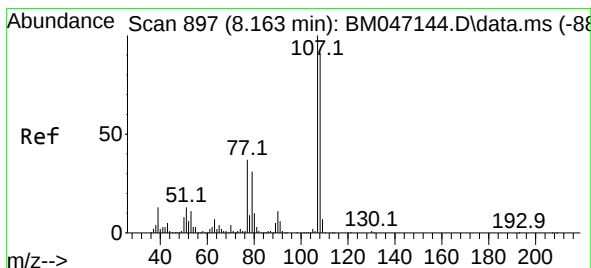
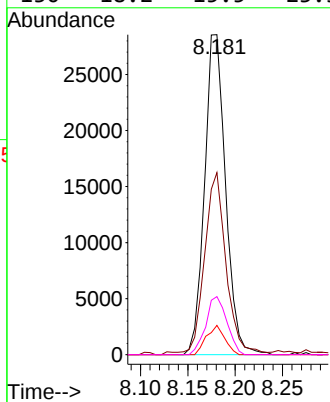
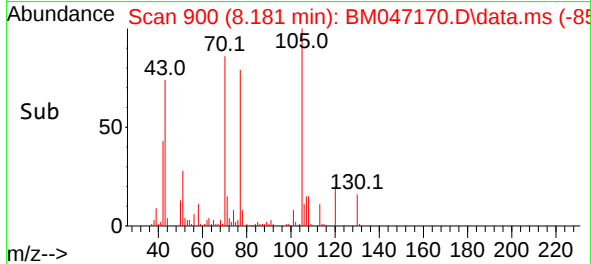
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 70 Resp: 4415
Ion Ratio Lower Upper
70 100
42 56.9 42.0 63.0
101 9.2 7.2 10.8
130 18.2 15.5 23.3

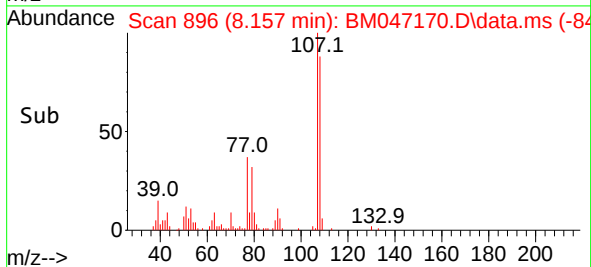
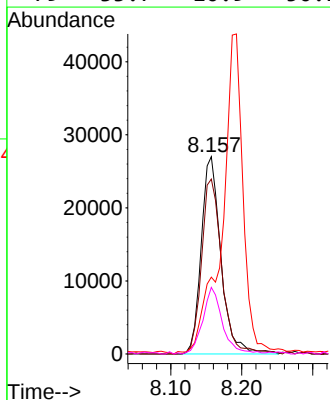
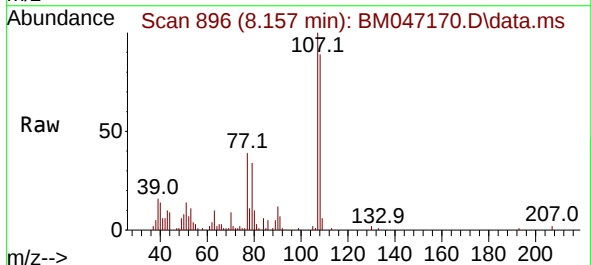
Manual Integrations
APPROVED

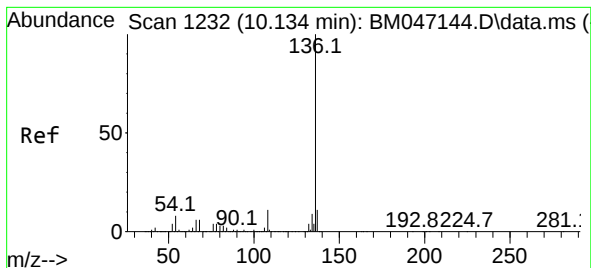
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#20
3+4-Methylphenols
Concen: 3.975 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

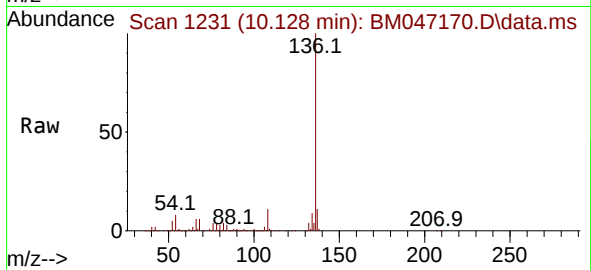
Tgt Ion:107 Resp: 52060
Ion Ratio Lower Upper
107 100
108 88.7 70.7 110.7
77 38.9 17.4 57.4
79 33.7 10.9 50.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

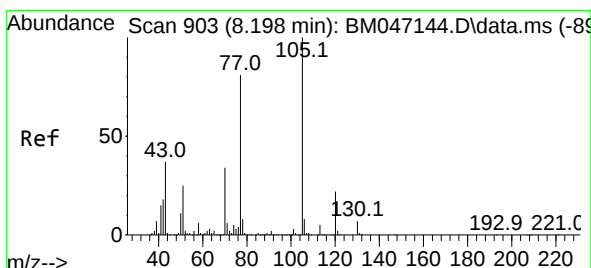
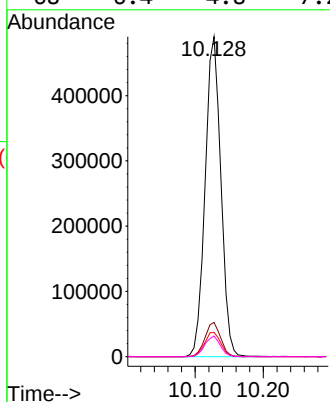
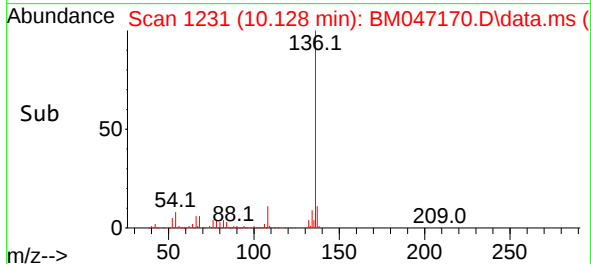
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion:136 Resp: 787140
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.0 9.0
68 6.4 4.8 7.2

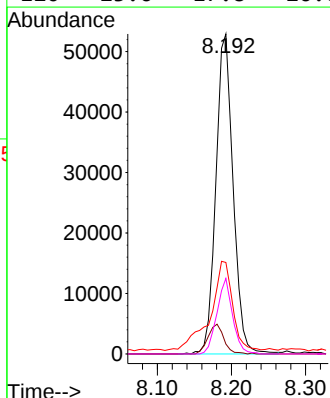
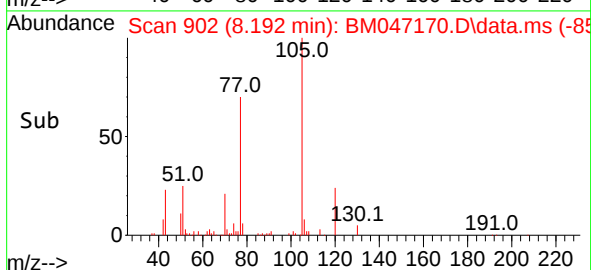
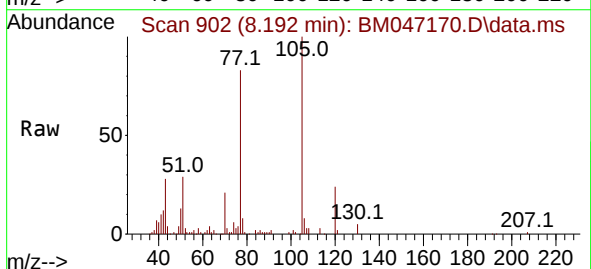
Manual Integrations
APPROVED

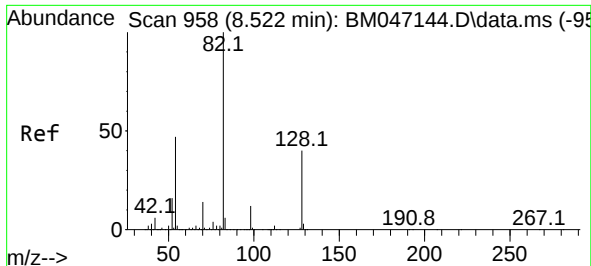
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#22
Acetophenone
Concen: 4.498 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

Tgt Ion:105 Resp: 85472
Ion Ratio Lower Upper
105 100
71 3.1 4.5 6.7#
51 28.6 20.1 30.1
120 23.6 17.8 26.6





#23

Nitrobenzene-d5

Concen: 86.497 ng

RT: 8.516 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion: 82 Resp: 135214

Ion Ratio Lower Upper

82 100

128 39.0 32.3 48.5

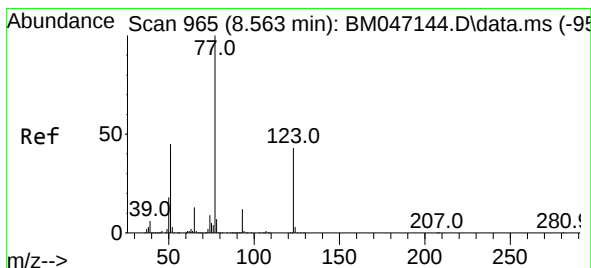
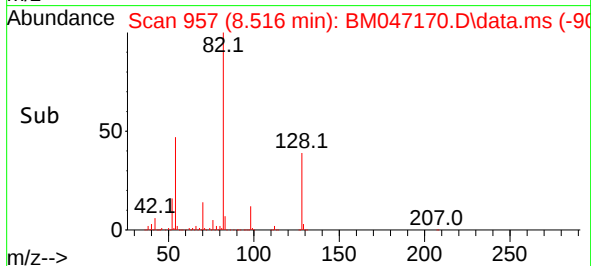
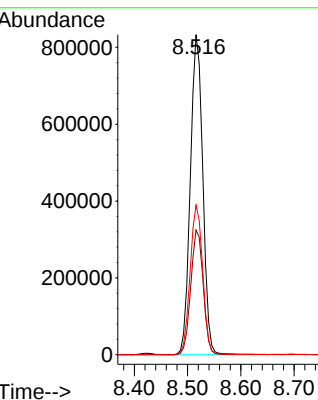
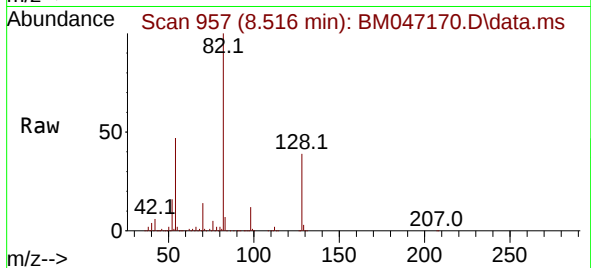
54 46.7 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 4.198 ng

RT: 8.557 min Scan# 964

Delta R.T. -0.006 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

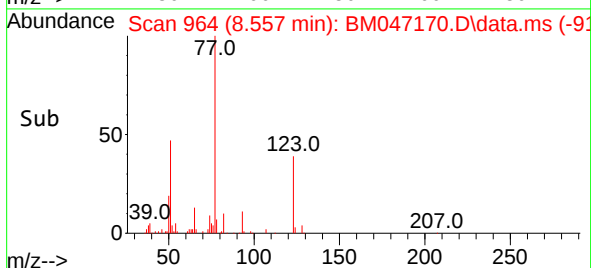
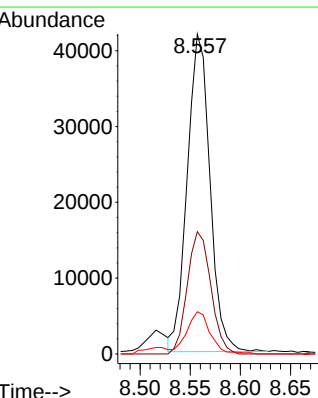
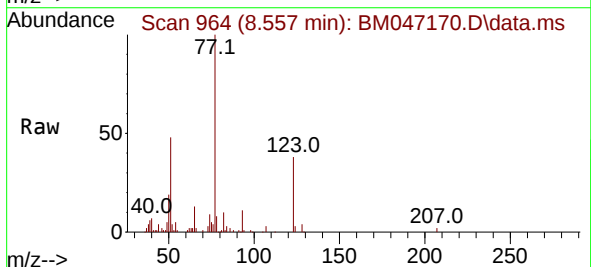
Tgt Ion: 77 Resp: 66074

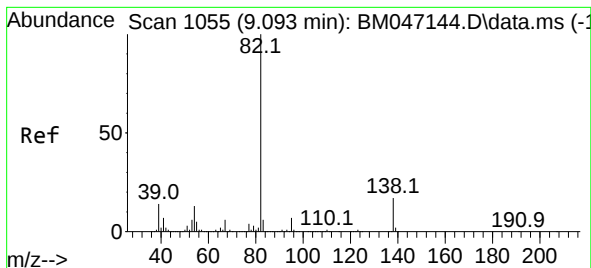
Ion Ratio Lower Upper

77 100

123 38.2 34.0 51.0

65 13.2 10.5 15.7





#25

Isophorone

Concen: 4.063 ng

RT: 9.086 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

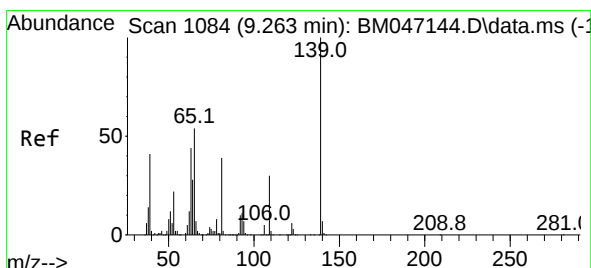
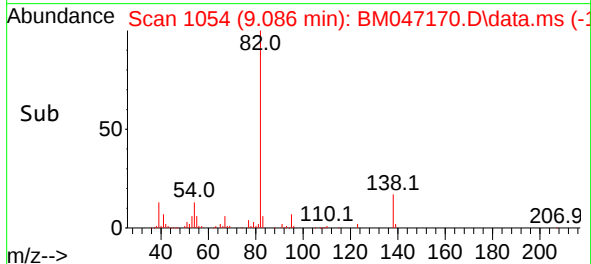
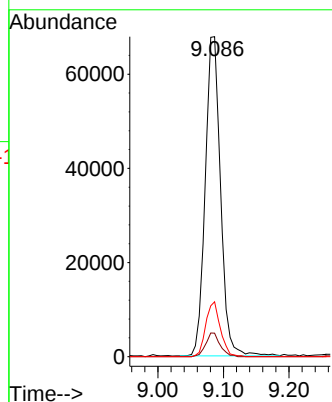
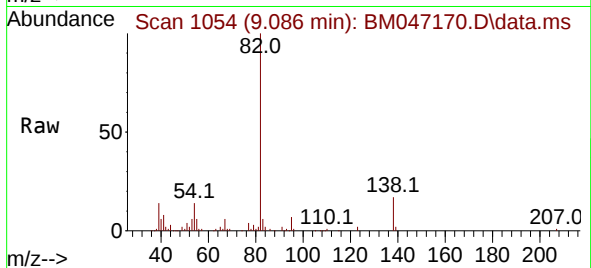
Tgt Ion: 82 Resp: 110590
 Ion Ratio Lower Upper
 82 100
 95 7.4 5.5 8.3
 138 17.2 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#26

2-Nitrophenol

Concen: 3.118 ng

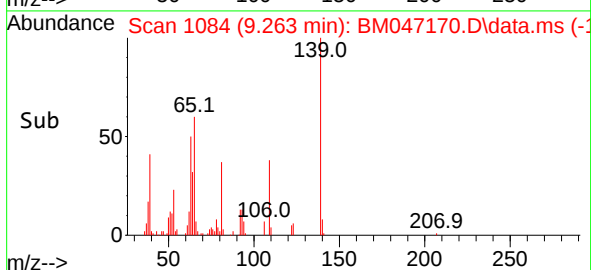
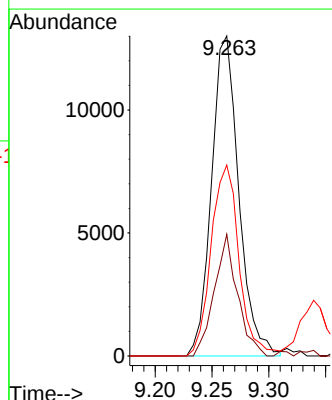
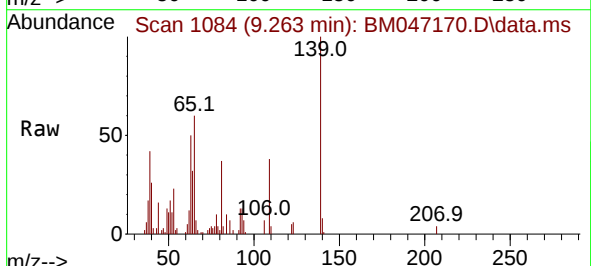
RT: 9.263 min Scan# 1084

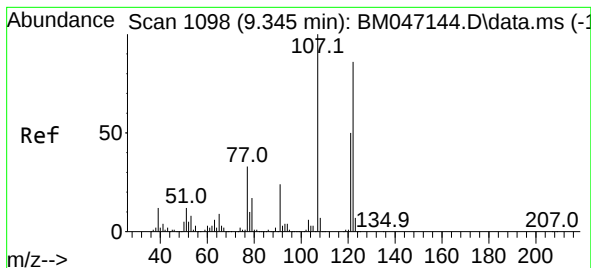
Delta R.T. -0.000 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

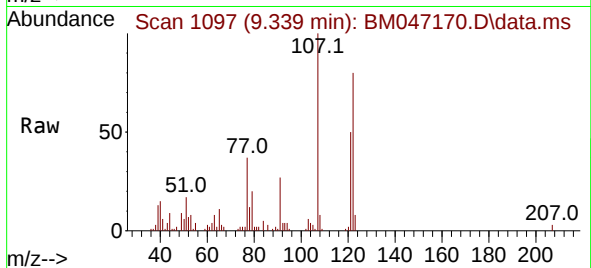
Tgt Ion:139 Resp: 21737
 Ion Ratio Lower Upper
 139 100
 109 38.0 24.4 36.6#
 65 59.7 43.0 64.6





#27
2,4-Dimethylphenol
Concen: 3.628 ng
RT: 9.339 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

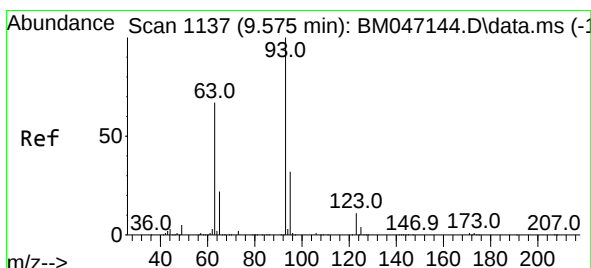
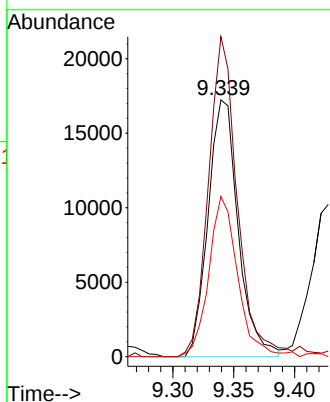
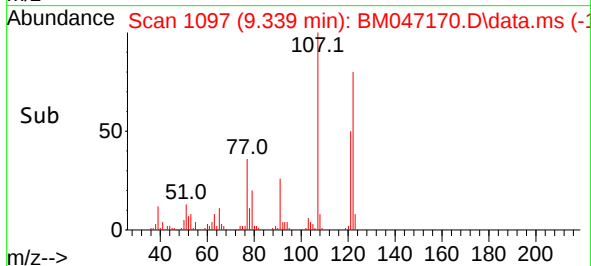
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion:122 Resp: 2962
Ion Ratio Lower Upper
122 100
107 124.6 92.8 139.2
121 62.3 46.1 69.1

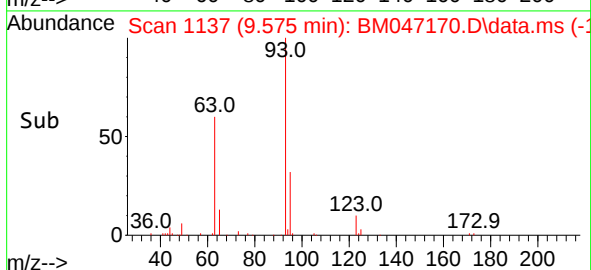
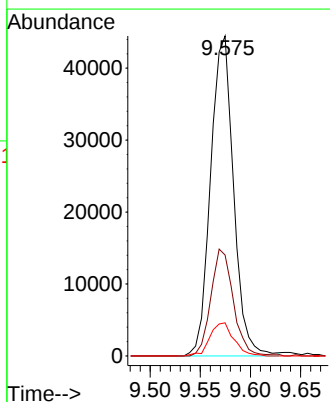
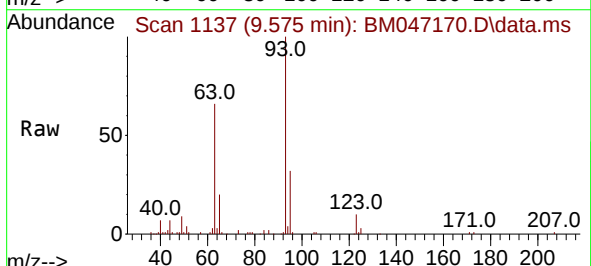
Manual Integrations
APPROVED

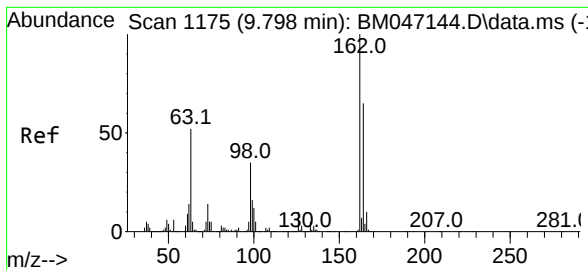
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#28
bis(2-Chloroethoxy)methane
Concen: 4.124 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

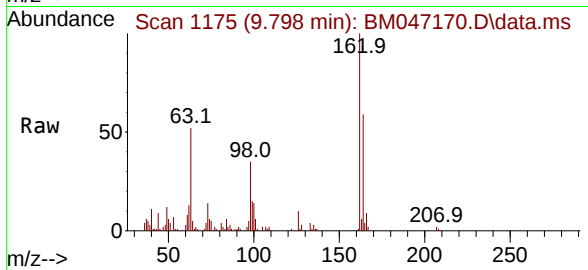
Tgt Ion: 93 Resp: 70635
Ion Ratio Lower Upper
93 100
95 31.5 25.8 38.8
123 10.3 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 3.443 ng
RT: 9.798 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

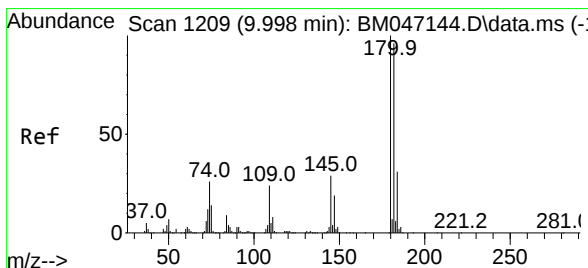
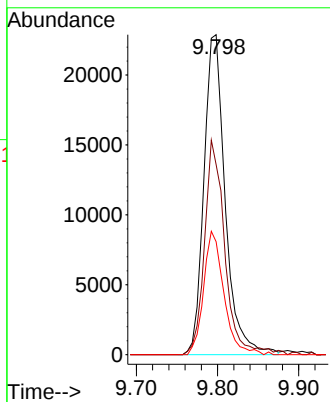
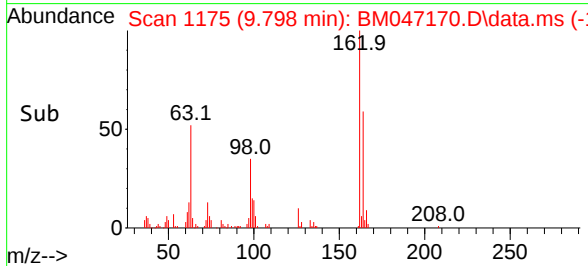
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



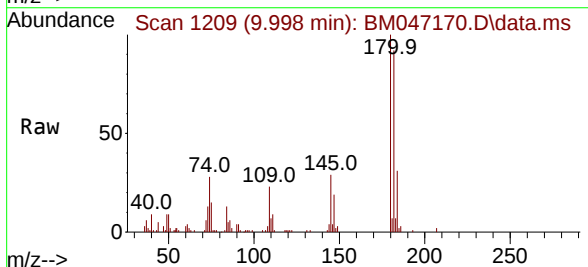
Tgt Ion:162 Resp: 41719
Ion Ratio Lower Upper
162 100
164 59.4 44.7 84.7
98 35.3 14.9 54.9

Manual Integrations
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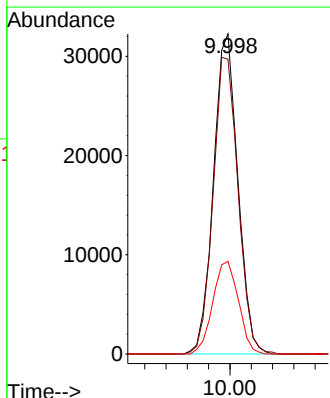
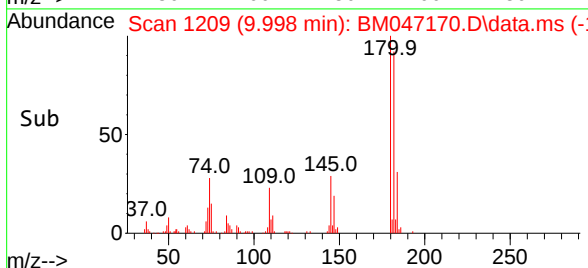
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

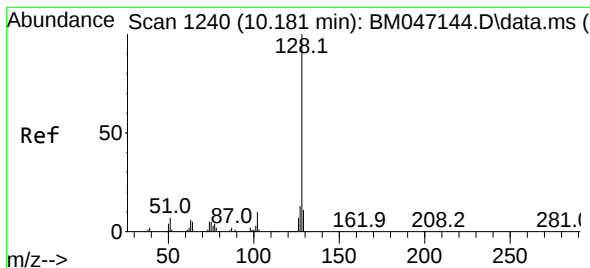


#30
1,2,4-Trichlorobenzene
Concen: 3.730 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



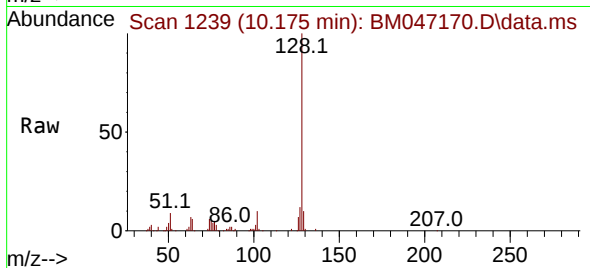
Tgt Ion:180 Resp: 51151
Ion Ratio Lower Upper
180 100
182 92.1 76.6 115.0
145 28.9 23.4 35.2





#31
Naphthalene
Concen: 4.238 ng
RT: 10.175 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

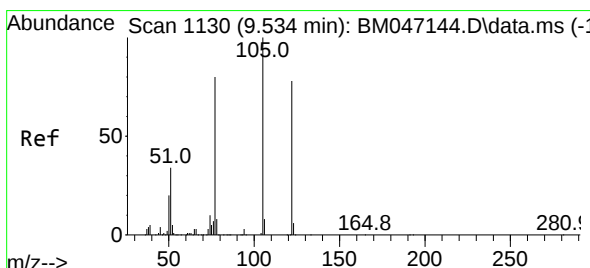
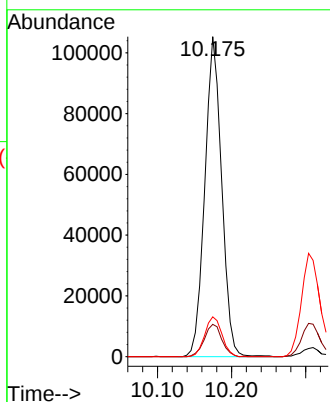
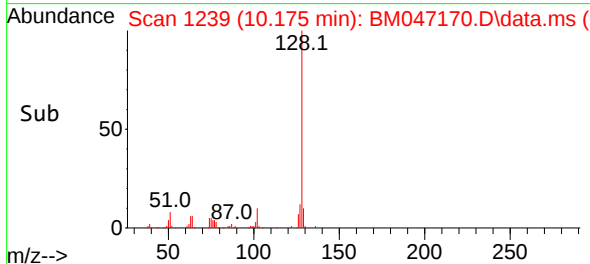
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



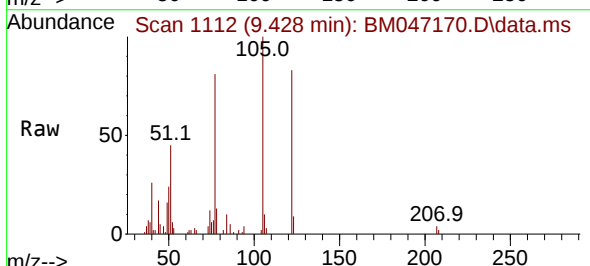
Tgt Ion:128 Resp: 16620
Ion Ratio Lower Upper
128 100
129 10.1 8.6 13.0
127 12.4 10.2 15.4

Manual Integrations
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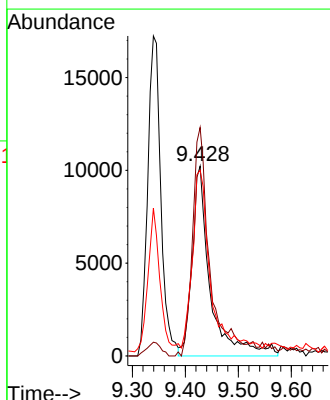
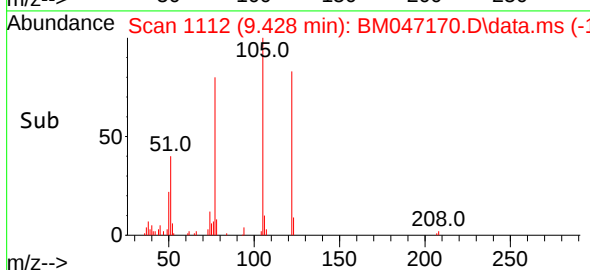
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

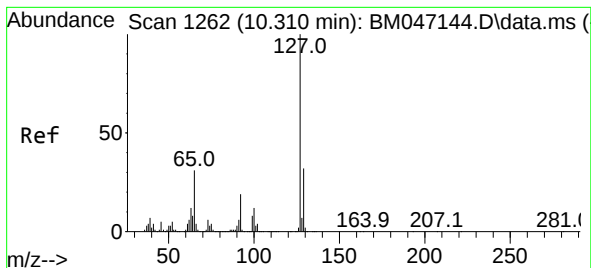


#32
Benzoic acid
Concen: 2.549 ng m
RT: 9.428 min Scan# 1112
Delta R.T. -0.106 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



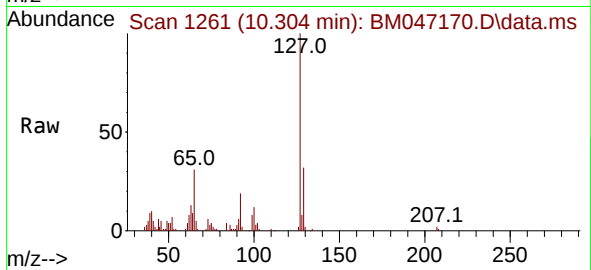
Tgt Ion:122 Resp: 24180
Ion Ratio Lower Upper
122 100
105 120.4 107.1 147.1
77 98.0 82.1 122.1





#33
4-Chloroaniline
Concen: 4.126 ng
RT: 10.304 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

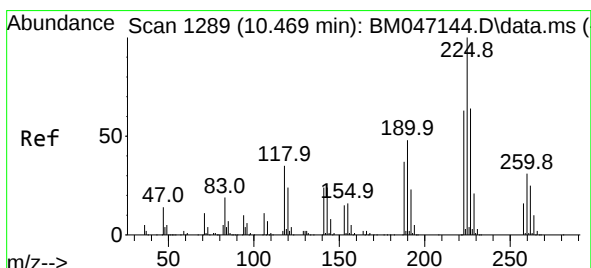
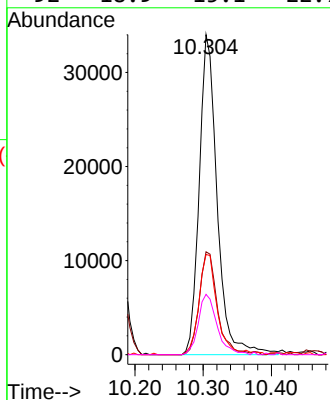
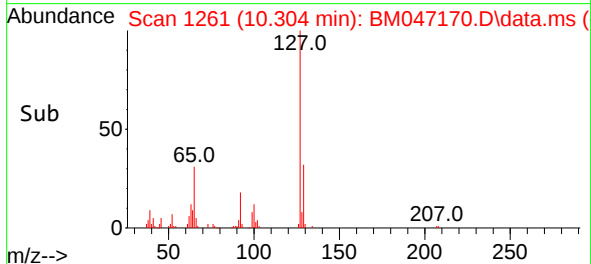
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



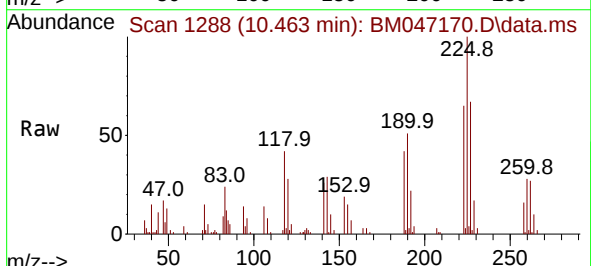
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.8
65	31.3	24.9	37.3
92	18.9	15.1	22.7

Manual Integrations
APPROVED

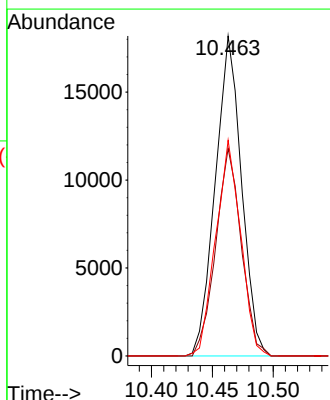
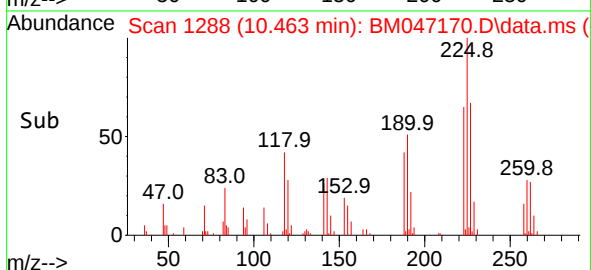
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

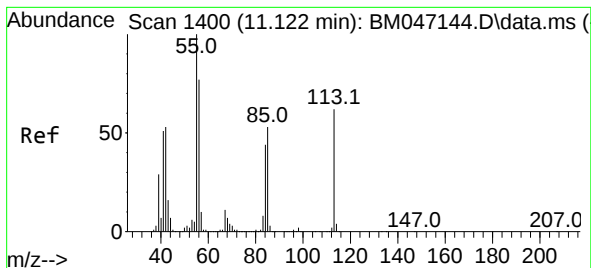


#34
Hexachlorobutadiene
Concen: 3.394 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



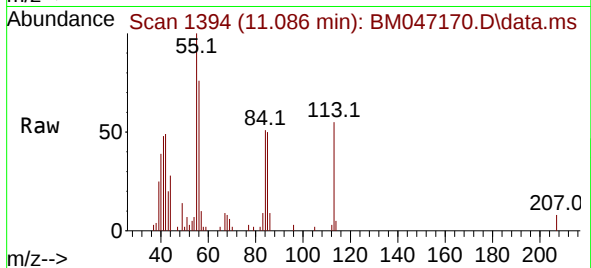
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.2	75.2
227	69.4	51.4	77.0





#35
Caprolactam
Concen: 3.191 ng
RT: 11.086 min Scan# 1394
Delta R.T. -0.035 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

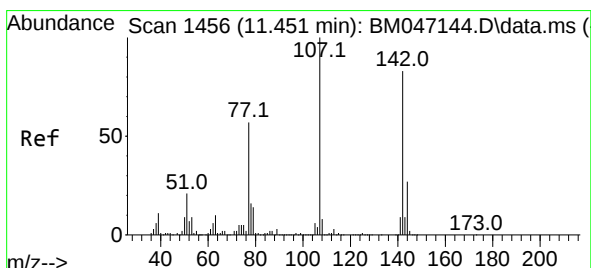
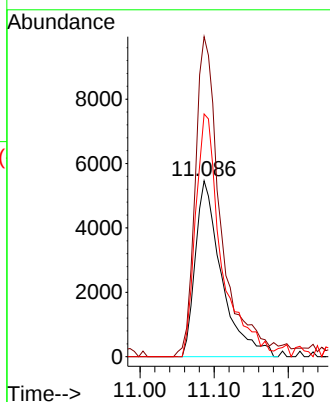
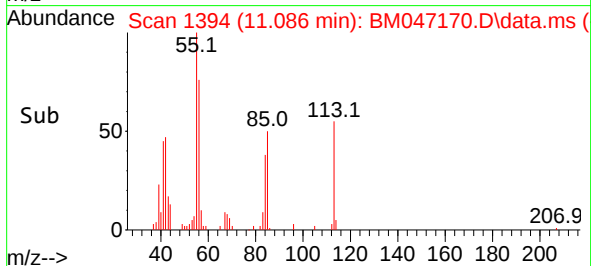
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



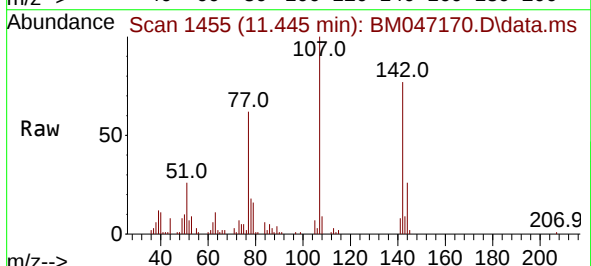
Tgt Ion:113 Resp: 13428
Ion Ratio Lower Upper
113 100
55 181.9 140.5 180.5
56 138.0 103.6 143.6

Manual Integrations
APPROVED

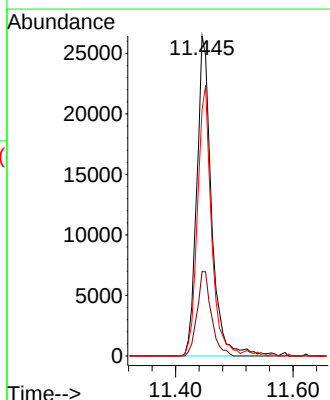
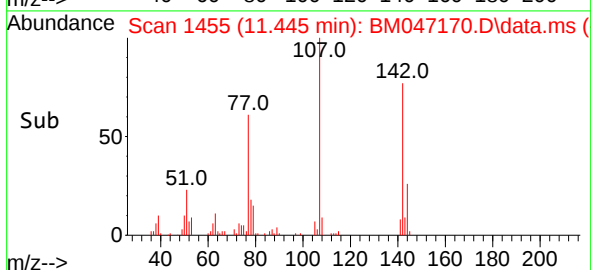
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

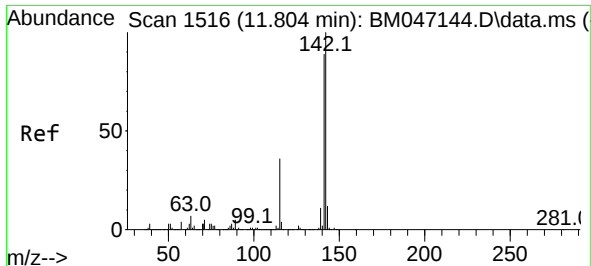


#36
4-Chloro-3-methylphenol
Concen: 3.562 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



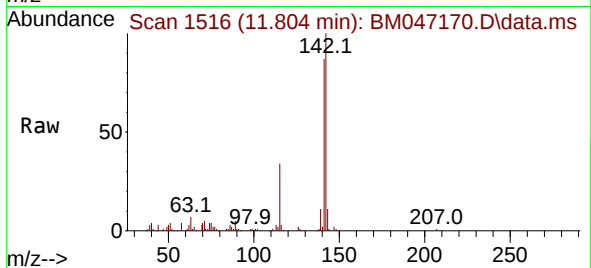
Tgt Ion:107 Resp: 45957
Ion Ratio Lower Upper
107 100
144 26.3 21.8 32.6
142 77.0 66.8 100.2





#37
2-Methylnaphthalene
Concen: 3.976 ng
RT: 11.804 min Scan# 111009
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

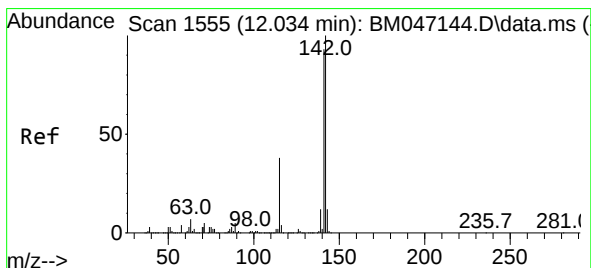
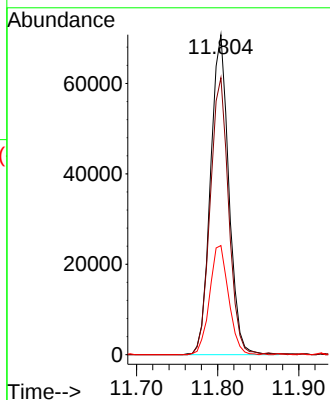
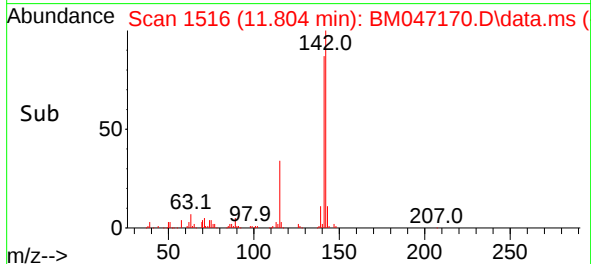
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



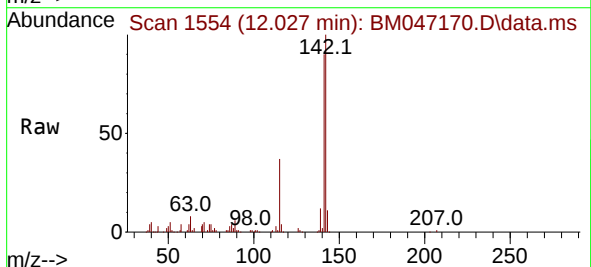
Tgt Ion:142 Resp: 111009
Ion Ratio Lower Upper
142 100
141 86.6 70.9 106.3
115 34.1 28.7 43.1

Manual Integrations
APPROVED

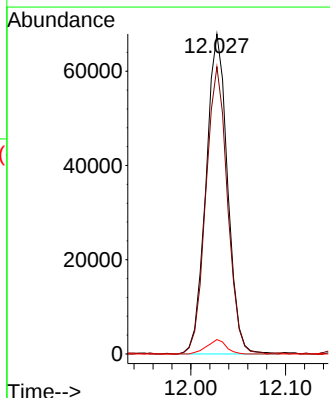
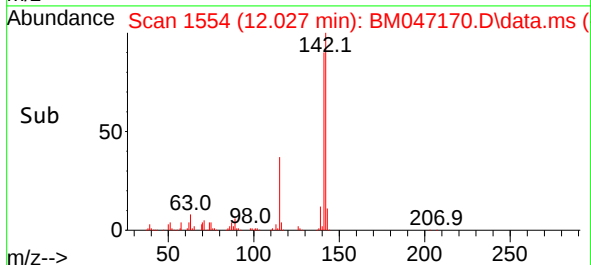
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

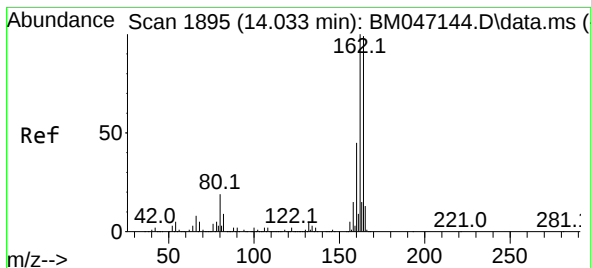


#38
1-Methylnaphthalene
Concen: 3.885 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



Tgt Ion:142 Resp: 107209
Ion Ratio Lower Upper
142 100
141 89.7 74.6 111.8
116 4.5 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.027 min Scan# 1894

Delta R.T. -0.006 min

Lab File: BM047170.D

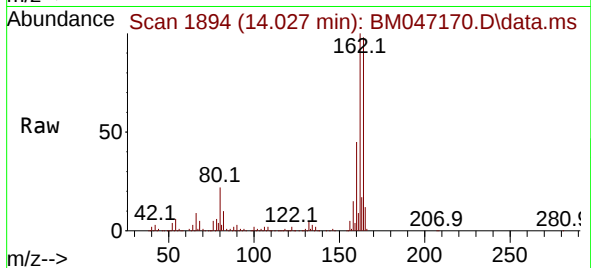
Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:164 Resp: 510539

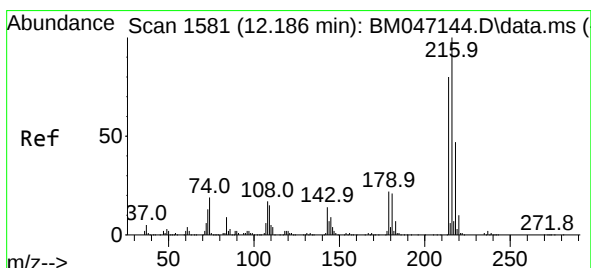
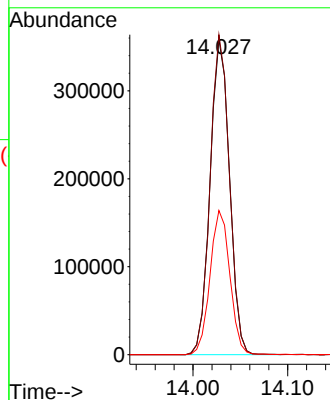
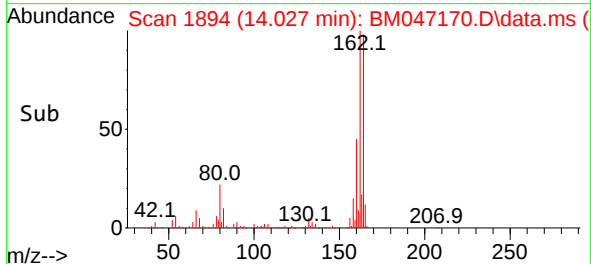
Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.7	121.1
160	45.7	36.0	54.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.679 ng

RT: 12.180 min Scan# 1580

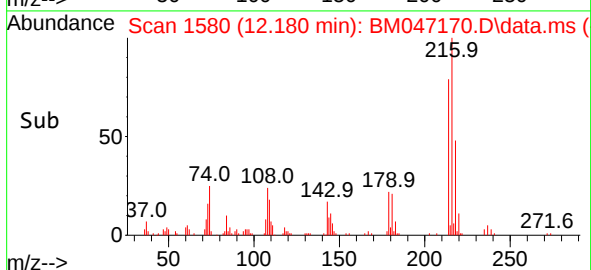
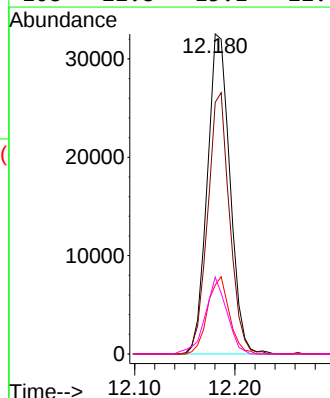
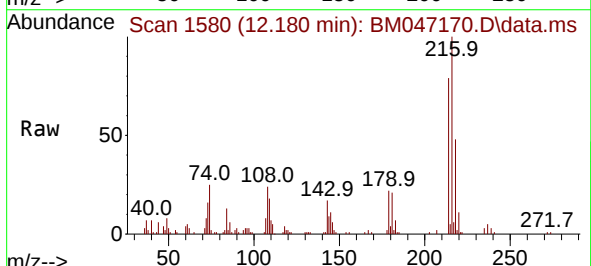
Delta R.T. -0.006 min

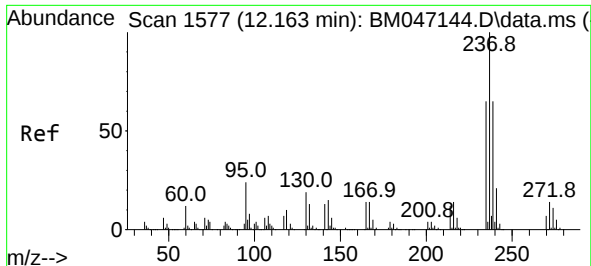
Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Tgt Ion:216 Resp: 51229

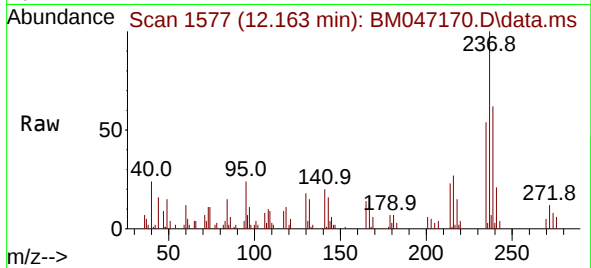
Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.2
179	23.1	17.6	26.4
108	22.8	15.1	22.7





#41
Hexachlorocyclopentadiene
Concen: 3.767 ng
RT: 12.163 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

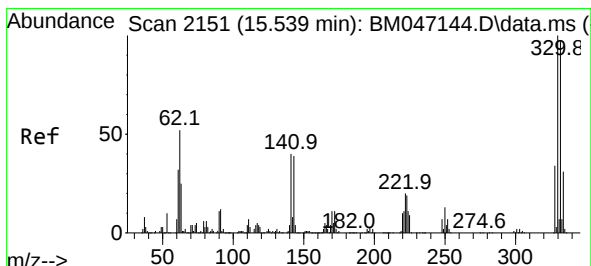
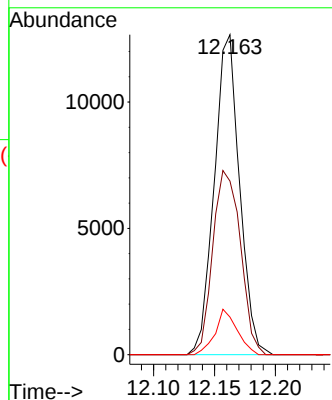
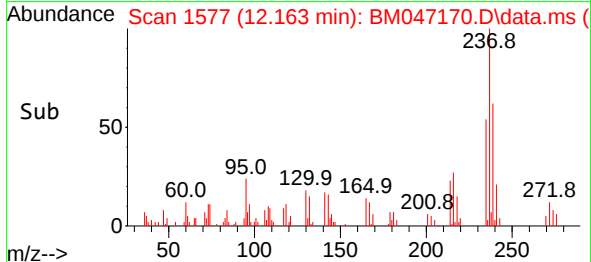
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



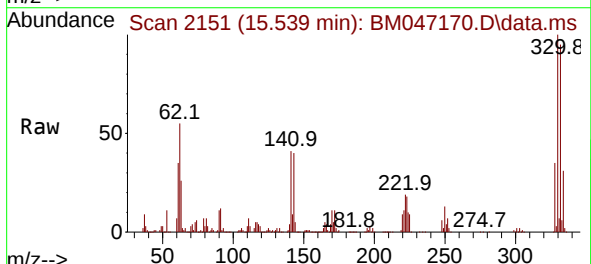
Tgt Ion:237 Resp: 18315
Ion Ratio Lower Upper
237 100
235 54.3 44.8 84.8
272 11.7 0.0 33.5

Manual Integrations
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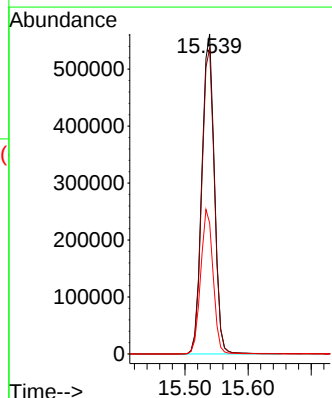
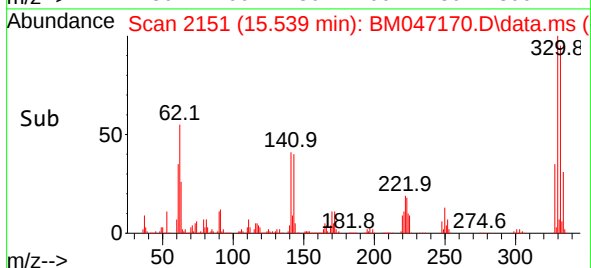
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

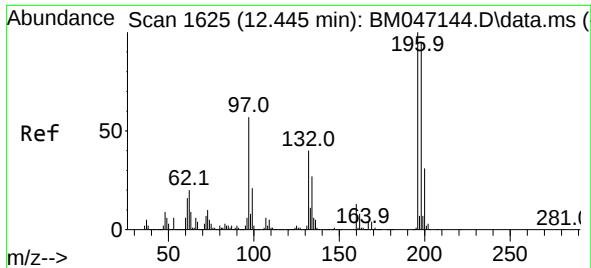


#42
2,4,6-Tribromophenol
Concen: 131.056 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



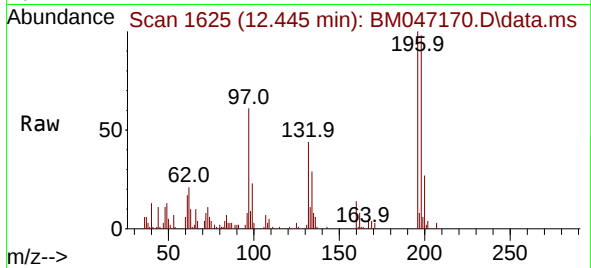
Tgt Ion:330 Resp: 775824
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.2
141 44.8 31.6 47.4





#43
2,4,6-Trichlorophenol
Concen: 3.247 ng
RT: 12.445 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

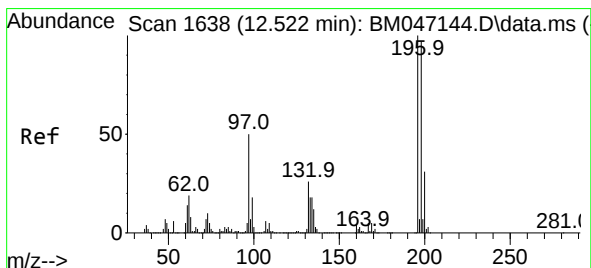
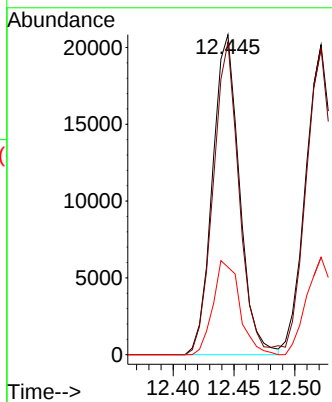
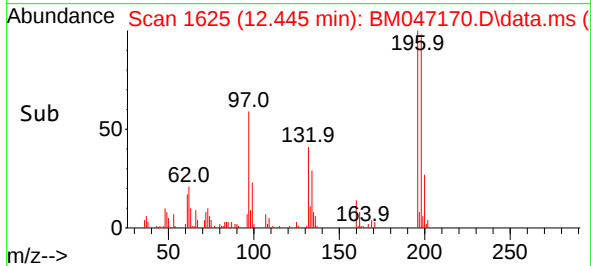
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



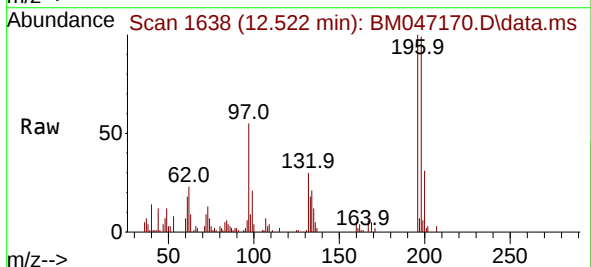
Tgt Ion:196 Resp: 3213
Ion Ratio Lower Upper
196 100
198 97.7 75.6 113.4
200 27.3 24.6 37.0

Manual Integrations
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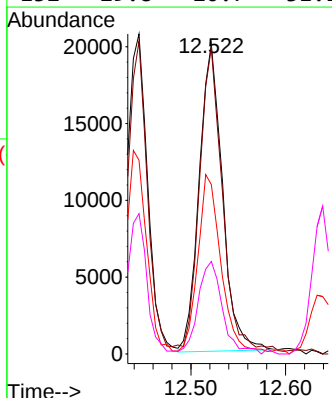
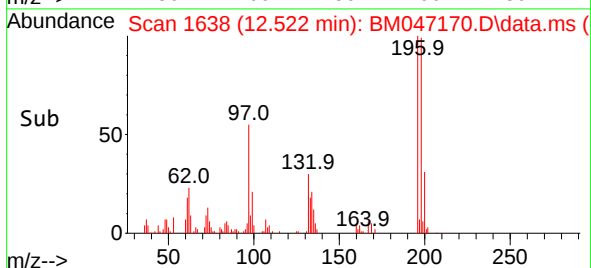
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

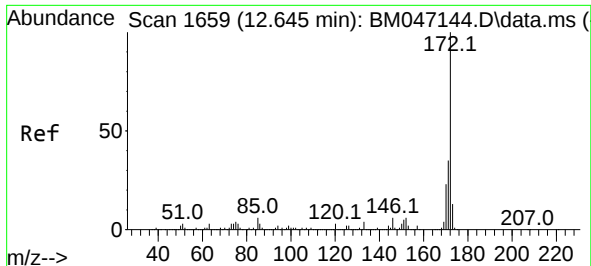


#44
2,4,5-Trichlorophenol
Concen: 3.116 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



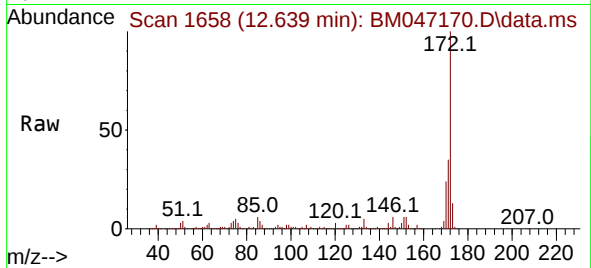
Tgt Ion:196 Resp: 34248
Ion Ratio Lower Upper
196 100
198 98.8 77.7 116.5
97 54.7 39.8 59.8
132 29.8 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 79.975 ng
RT: 12.639 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

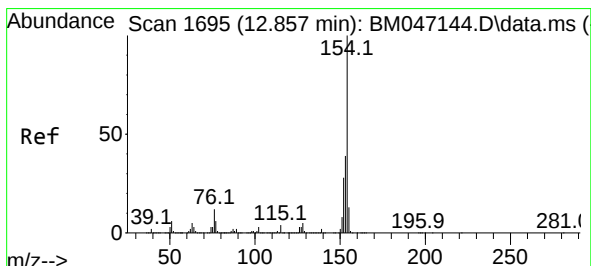
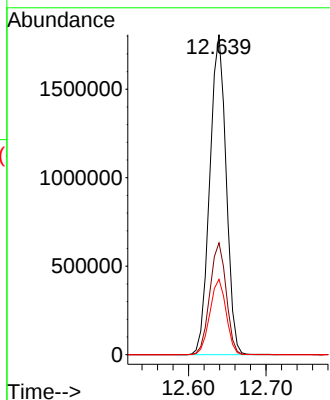
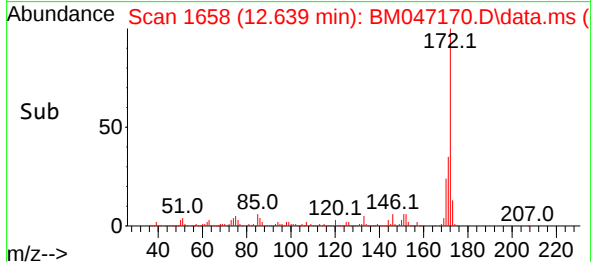
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



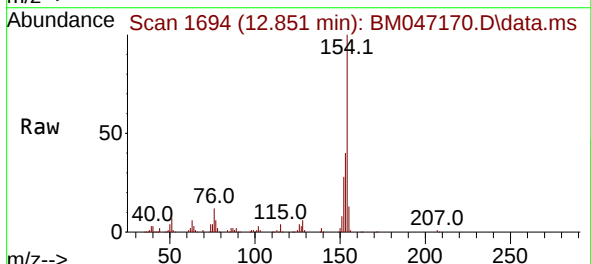
Tgt Ion:172 Resp: 2646970
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.6 18.7 28.1

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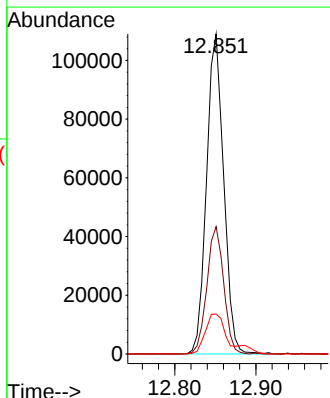
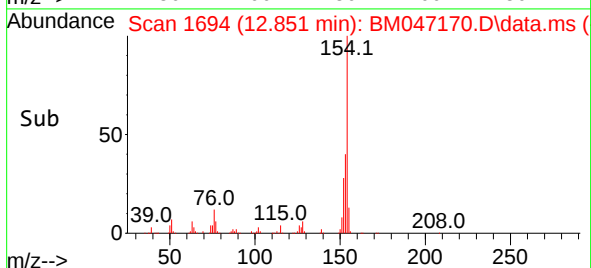
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

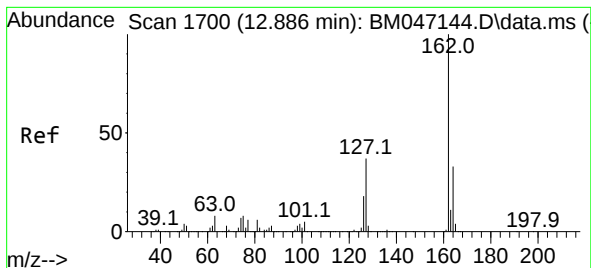


#46
1,1'-Biphenyl
Concen: 4.391 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



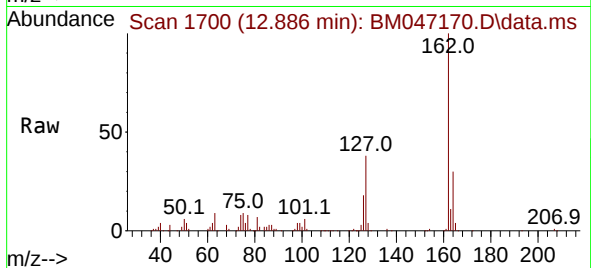
Tgt Ion:154 Resp: 159606
Ion Ratio Lower Upper
154 100
153 39.8 19.0 59.0
76 12.5 0.0 31.9





#47
2-Chloronaphthalene
Concen: 4.154 ng
RT: 12.886 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

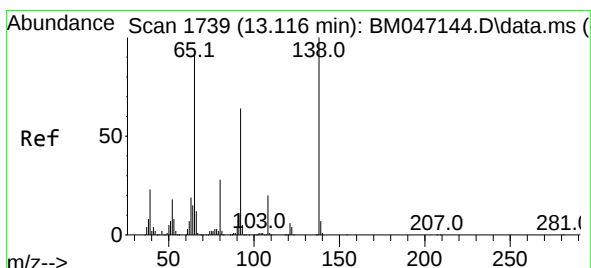
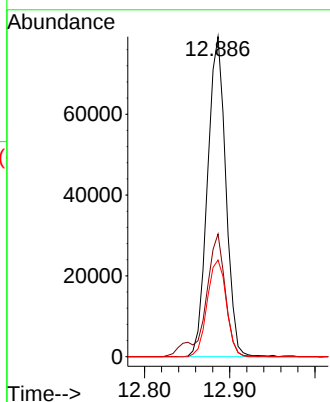
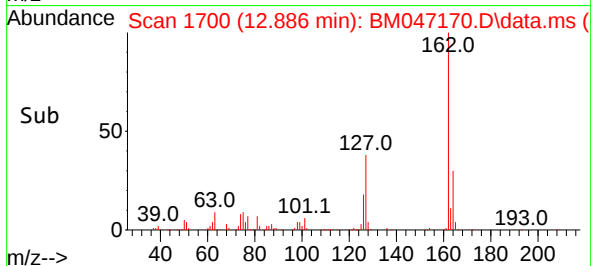
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



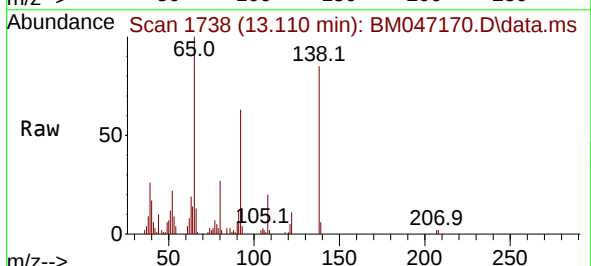
Tgt Ion:162 Resp: 11801
Ion Ratio Lower Upper
162 100
127 38.4 30.0 45.0
164 30.2 26.3 39.5

Manual Integrations
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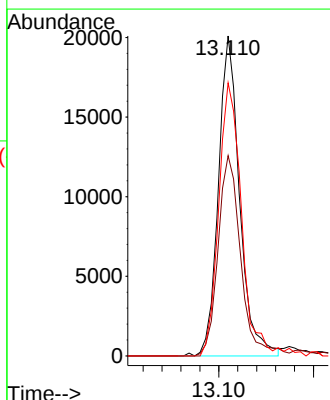
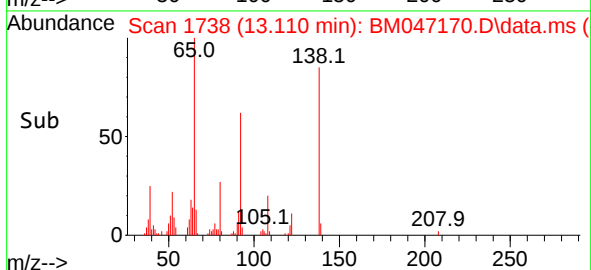
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

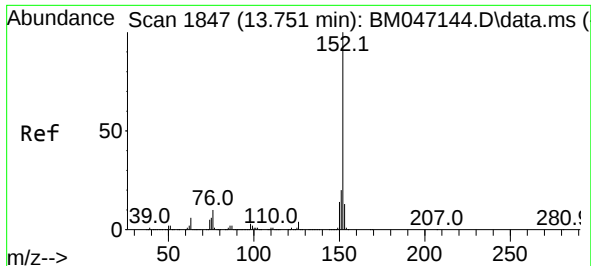


#48
2-Nitroaniline
Concen: 3.516 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



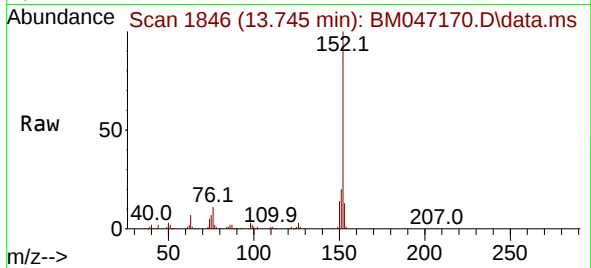
Tgt Ion: 65 Resp: 31291
Ion Ratio Lower Upper
65 100
92 62.6 55.1 82.7
138 85.4 85.9 128.9#





#49
Acenaphthylene
Concen: 4.496 ng
RT: 13.745 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

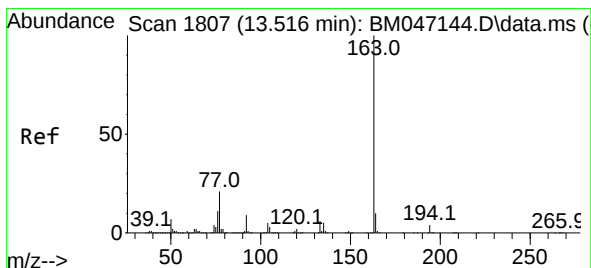
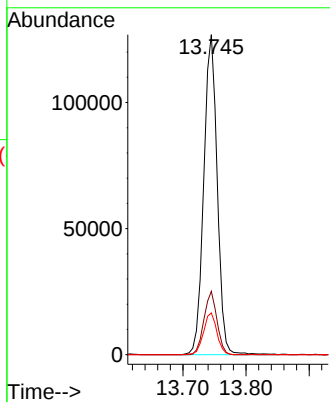
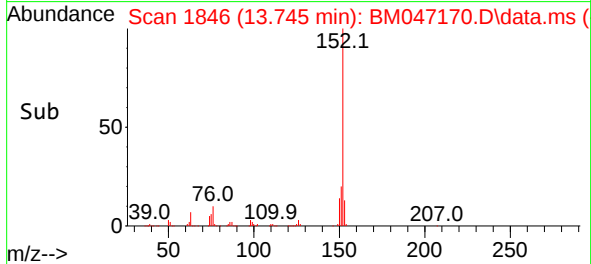
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:152 Resp: 188284
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.0 10.4 15.6

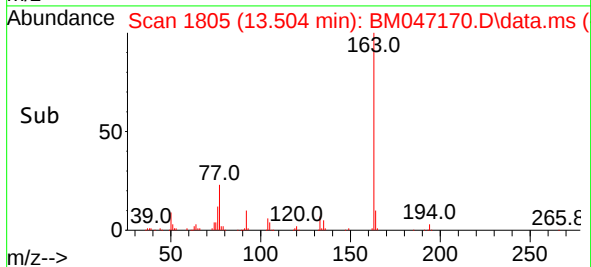
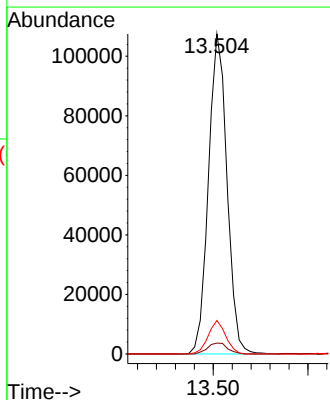
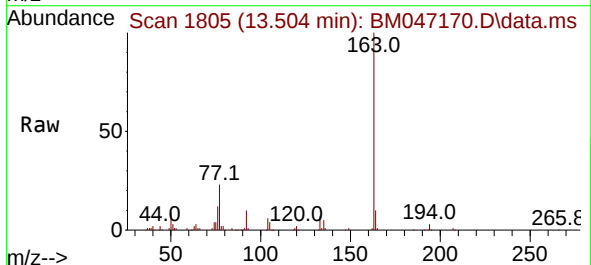
Manual Integrations
APPROVED

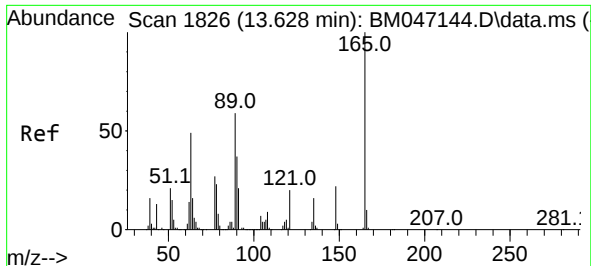
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#50
Dimethylphthalate
Concen: 4.102 ng
RT: 13.504 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

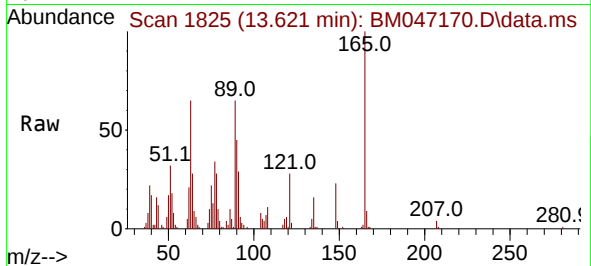
Tgt Ion:163 Resp: 146278
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.6
164 10.4 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 3.338 ng
RT: 13.621 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

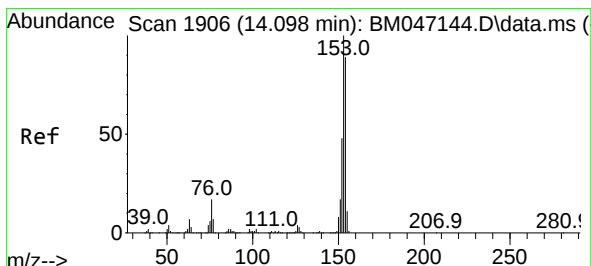
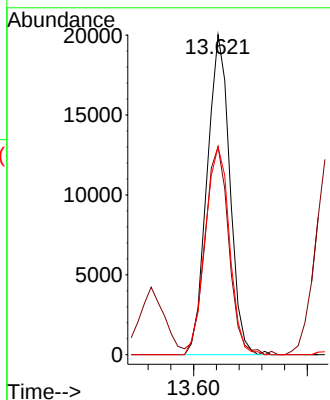
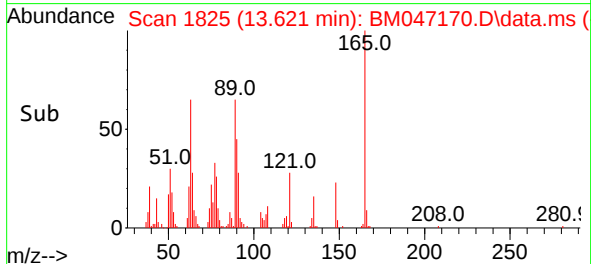
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



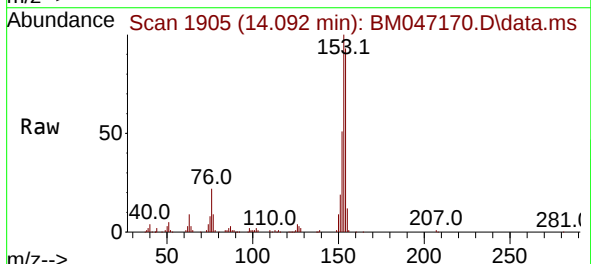
Tgt Ion:165 Resp: 2782
Ion Ratio Lower Upper
165 100
63 65.0 46.5 69.7
89 64.9 47.3 70.9

Manual Integrations
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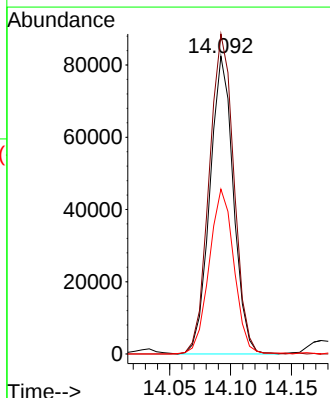
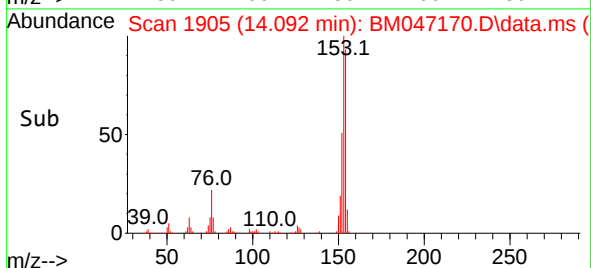
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

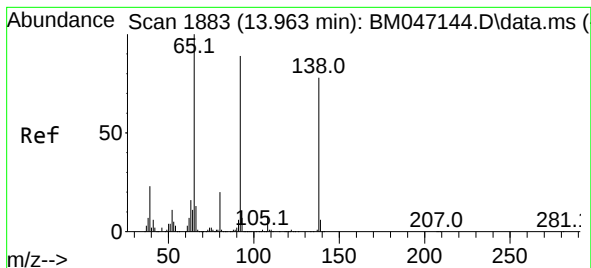


#52
Acenaphthene
Concen: 4.183 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



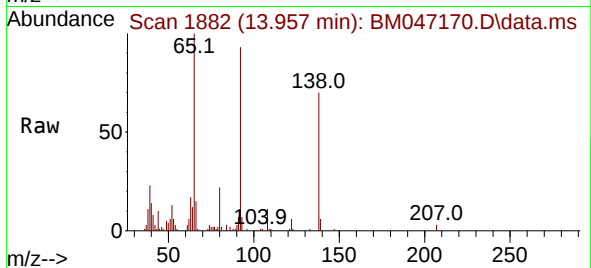
Tgt Ion:154 Resp: 111099
Ion Ratio Lower Upper
154 100
153 107.4 90.3 135.5
152 55.3 42.9 64.3





#53
3-Nitroaniline
Concen: 3.409 ng
RT: 13.957 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

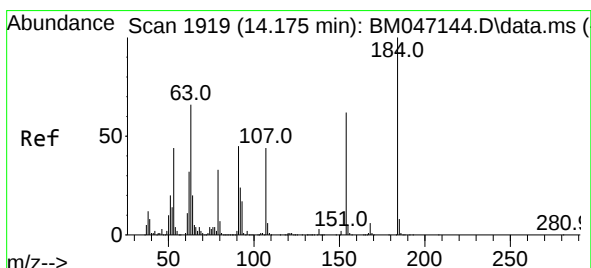
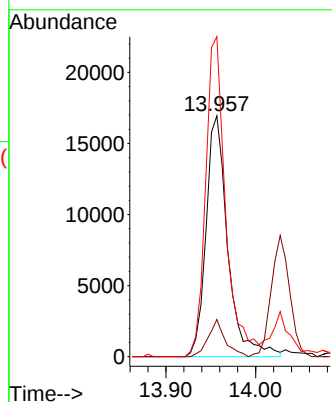
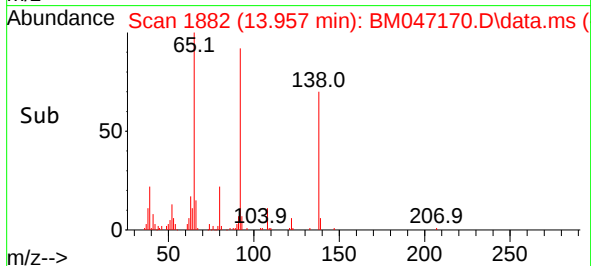
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion:138 Resp: 28469
Ion Ratio Lower Upper
138 100
108 15.4 7.9 11.9
92 132.9 92.0 138.0

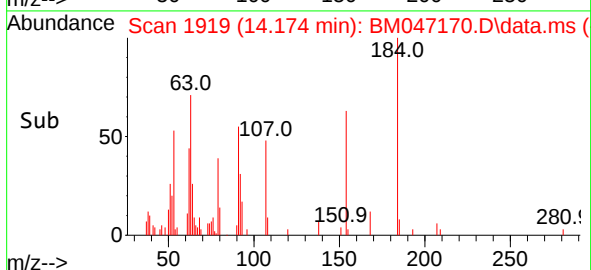
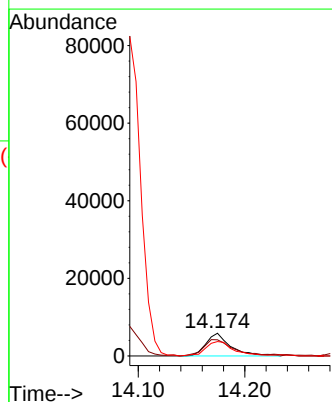
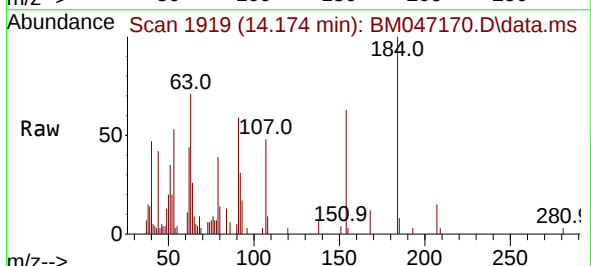
Manual Integrations
APPROVED

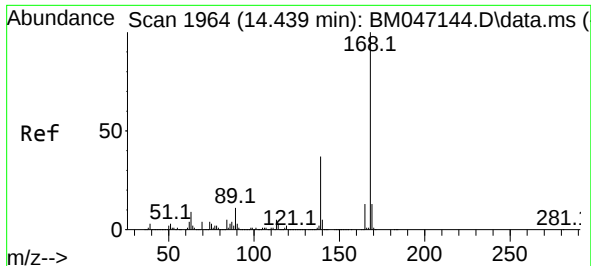
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#54
2,4-Dinitrophenol
Concen: 1.875 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

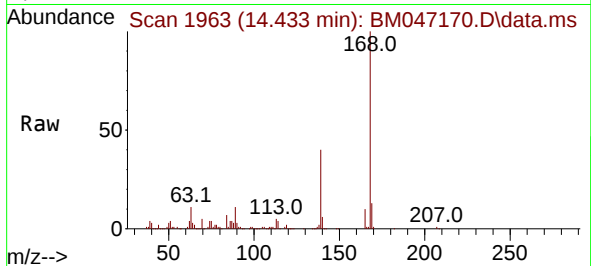
Tgt Ion:184 Resp: 9367
Ion Ratio Lower Upper
184 100
63 70.9 52.7 79.1
154 63.4 50.4 75.6





#55
Dibenzenofuran
Concen: 4.394 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

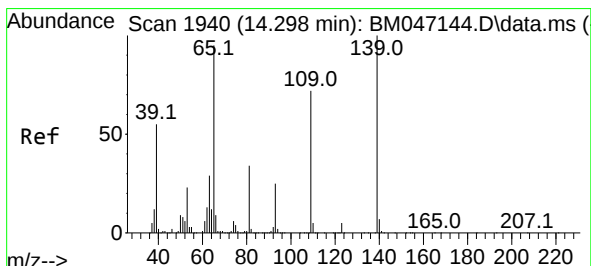
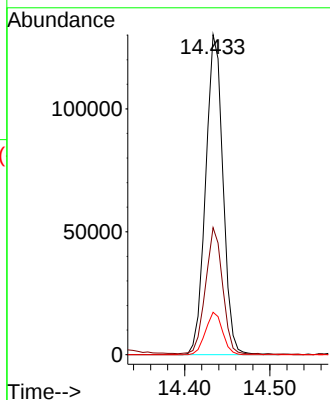
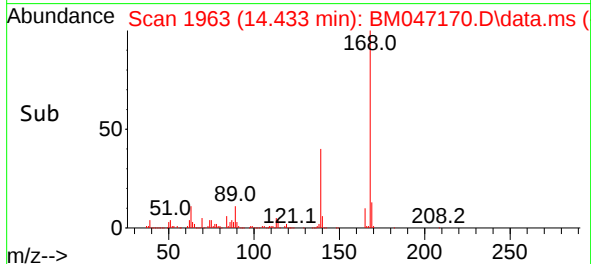
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:168 Resp: 184354
Ion Ratio Lower Upper
168 100
139 39.7 29.6 44.4
169 13.2 10.7 16.1

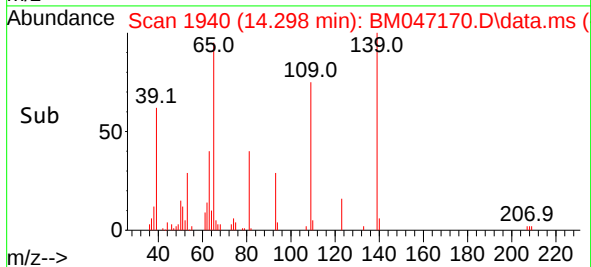
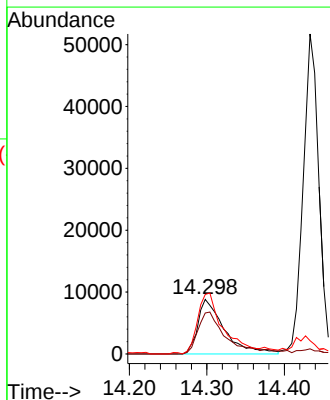
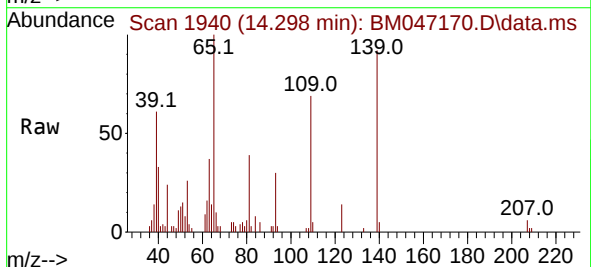
Manual Integrations
APPROVED

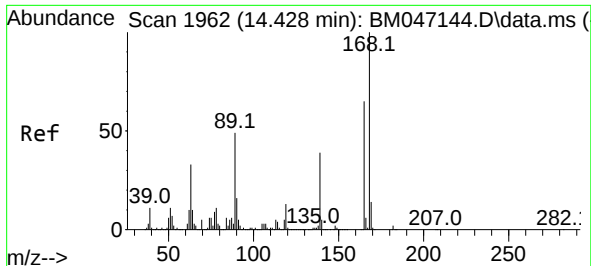
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#56
4-Nitrophenol
Concen: 2.909 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

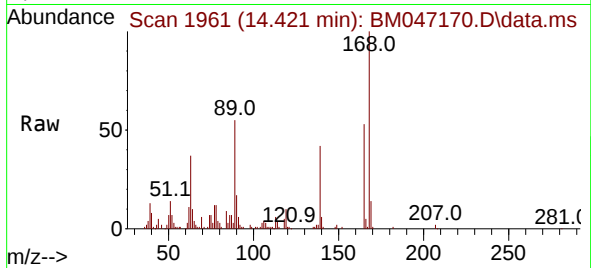
Tgt Ion:139 Resp: 20948
Ion Ratio Lower Upper
139 100
109 74.9 52.5 92.5
65 109.0 75.4 115.4





#57
2,4-Dinitrotoluene
Concen: 3.202 ng
RT: 14.421 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

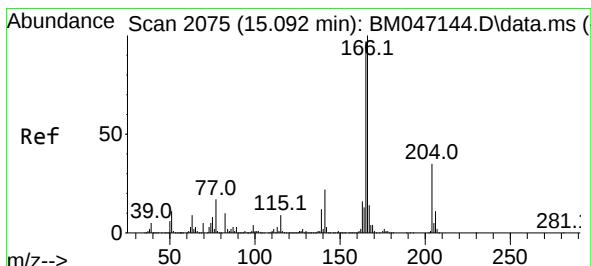
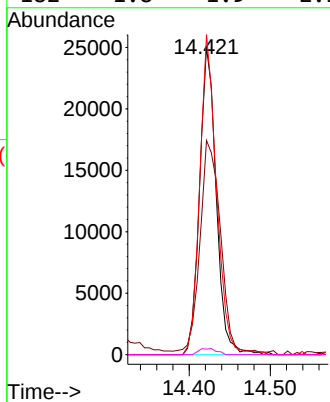
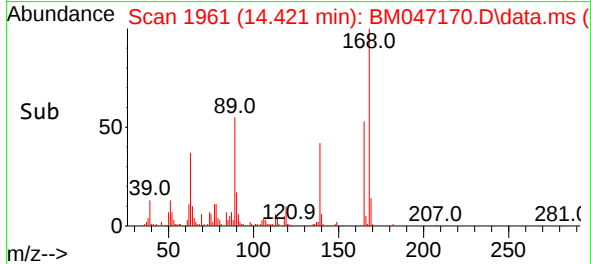
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:165 Resp: 35624
Ion Ratio Lower Upper
165 100
63 69.7 40.3 60.5
89 104.2 61.0 91.6
182 1.8 1.9 2.9#

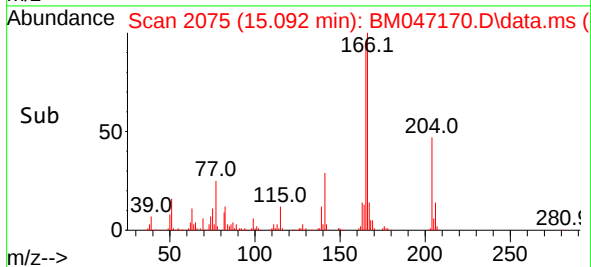
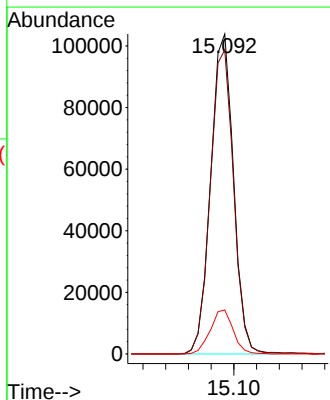
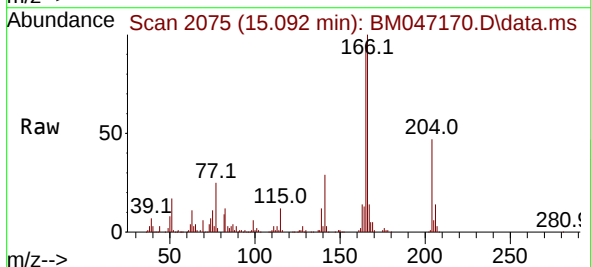
Manual Integrations
APPROVED

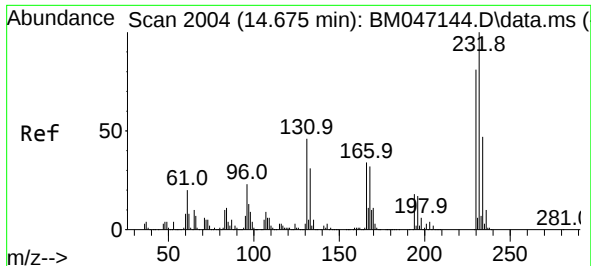
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#58
Fluorene
Concen: 4.192 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

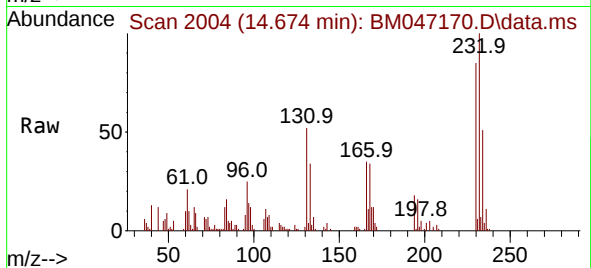
Tgt Ion:166 Resp: 145123
Ion Ratio Lower Upper
166 100
165 95.0 77.4 116.0
167 13.8 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.562 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

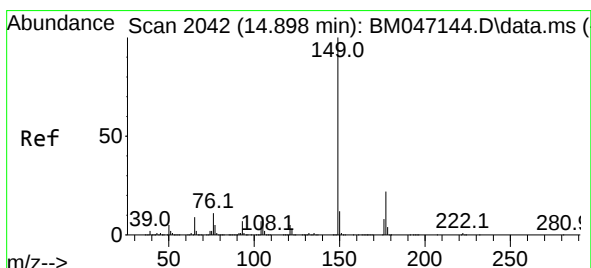
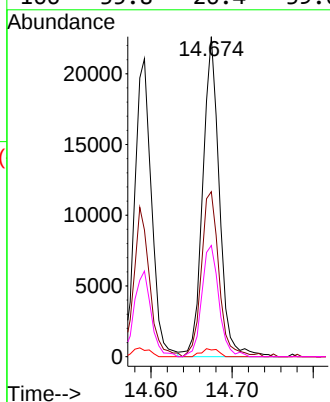
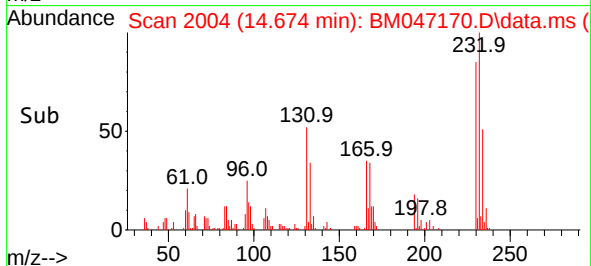
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



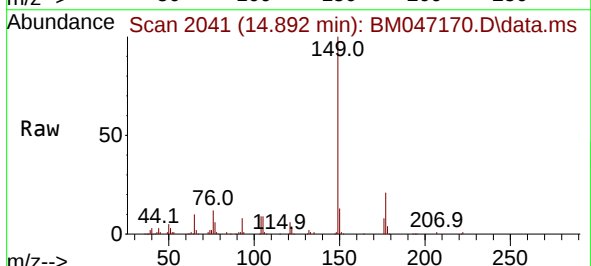
Tgt Ion:232 Resp: 32170
Ion Ratio Lower Upper
232 100
131 54.6 36.9 55.3
130 2.5 2.0 3.0
166 35.8 26.4 39.6

Manual Integrations
APPROVED

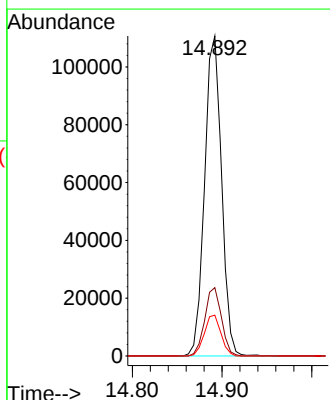
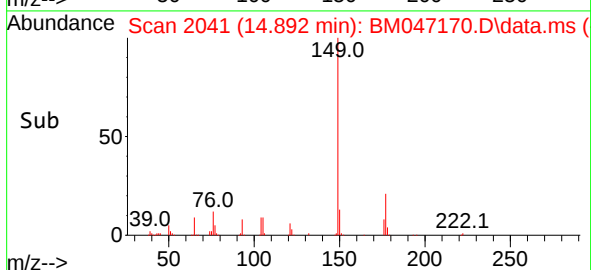
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

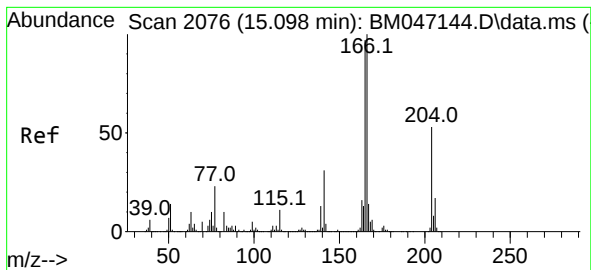


#60
Diethylphthalate
Concen: 3.984 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



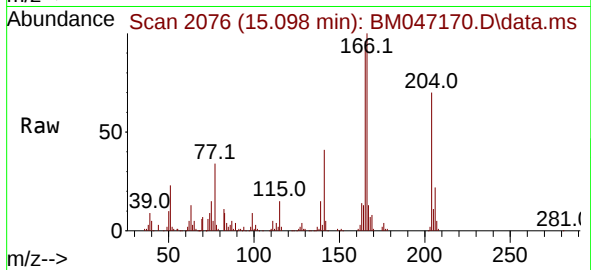
Tgt Ion:149 Resp: 145081
Ion Ratio Lower Upper
149 100
177 21.3 17.6 26.4
150 12.8 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 4.091 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

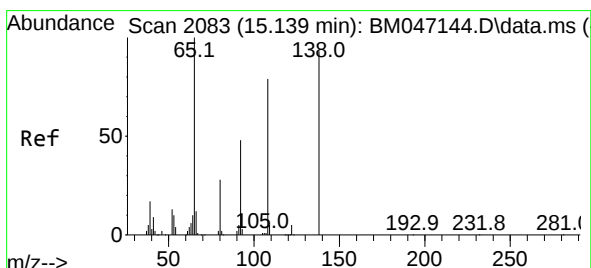
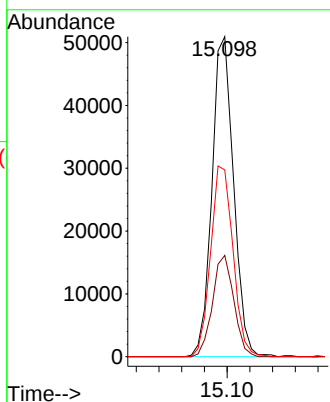
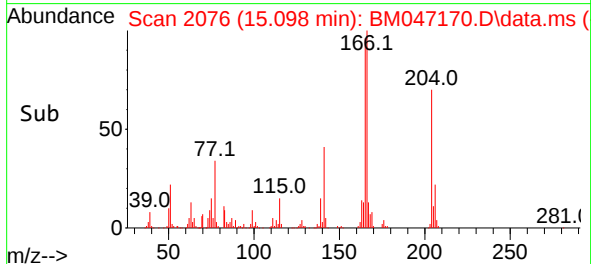
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



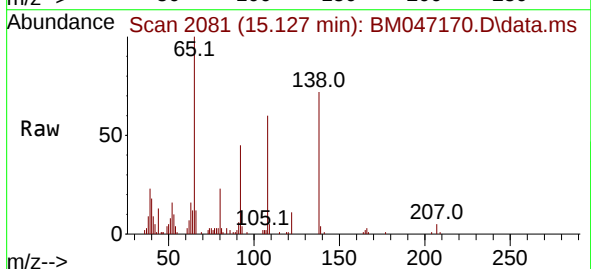
Tgt Ion:204 Resp: 67429
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.4
141 58.3 47.2 70.8

Manual Integrations
APPROVED

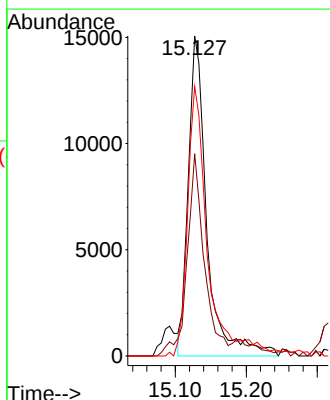
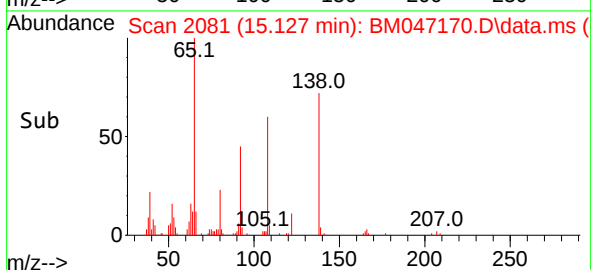
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

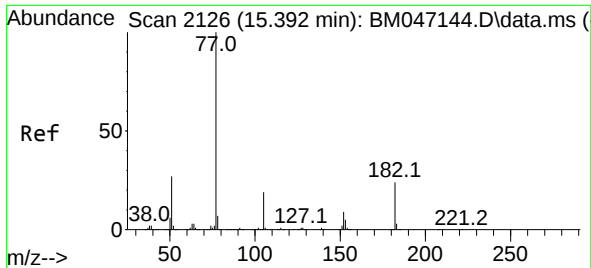


#62
4-Nitroaniline
Concen: 3.332 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



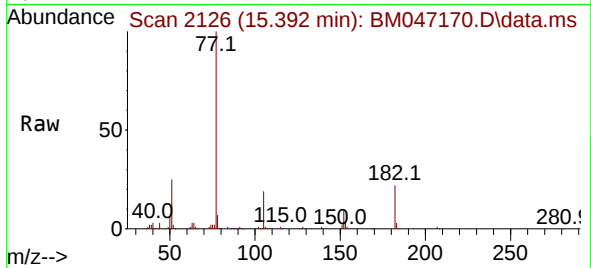
Tgt Ion:138 Resp: 27418
Ion Ratio Lower Upper
138 100
92 63.2 31.9 71.9
108 84.2 63.8 103.8





#63
Azobenzene
Concen: 4.433 ng
RT: 15.392 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

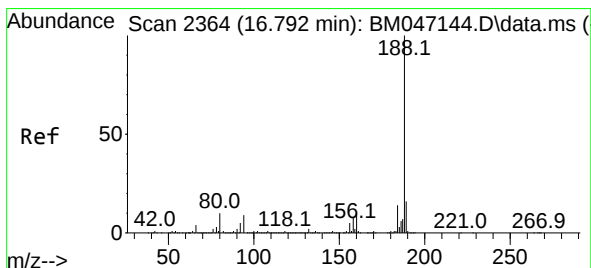
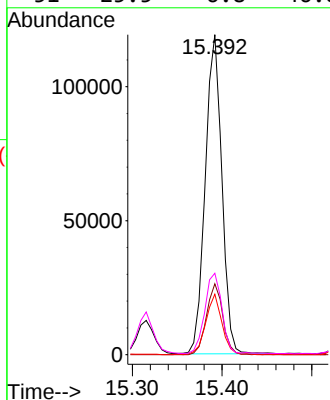
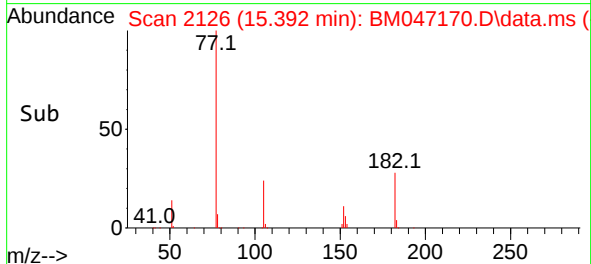
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 77 Resp: 15304
Ion Ratio Lower Upper
77 100
182 22.2 3.8 43.8
105 18.9 0.0 39.5
51 25.5 6.8 46.8

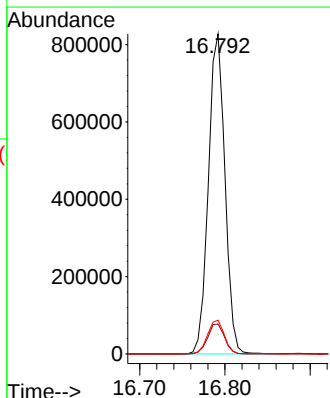
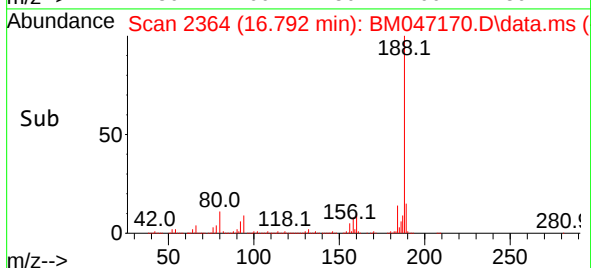
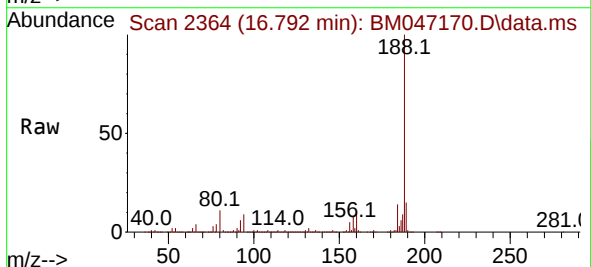
Manual Integrations
APPROVED

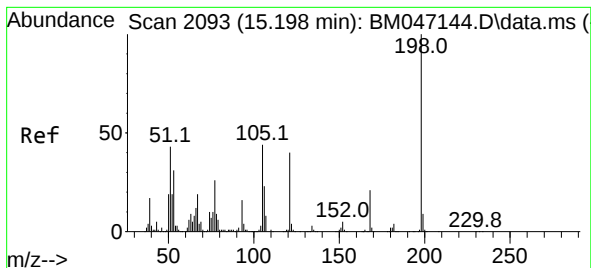
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

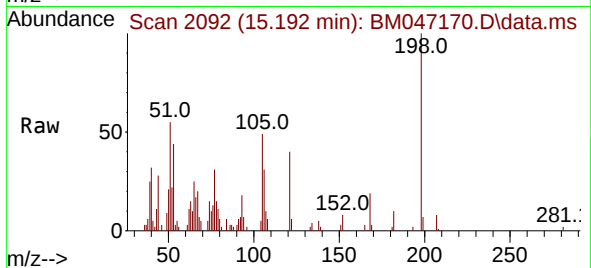
Tgt Ion:188 Resp: 1115889
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 10.6 8.0 12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 2.377 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

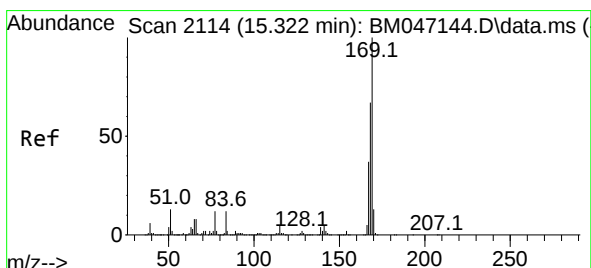
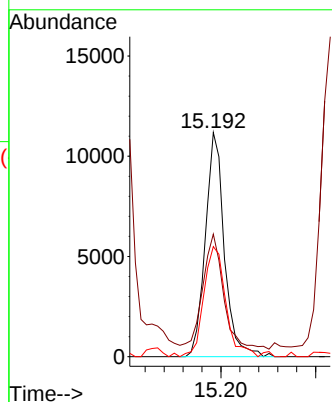
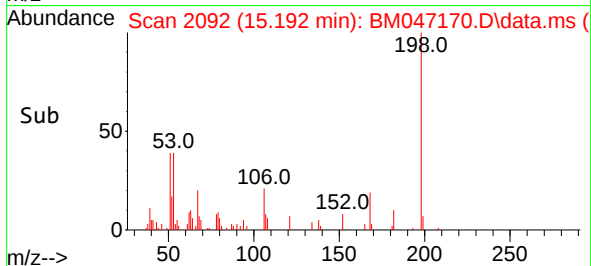
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:198 Resp: 15529
Ion Ratio Lower Upper
198 100
51 54.7 23.9 63.9
105 49.1 24.3 64.3

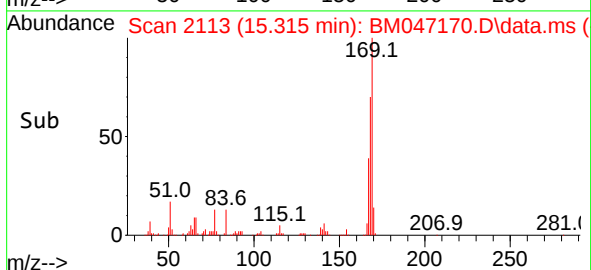
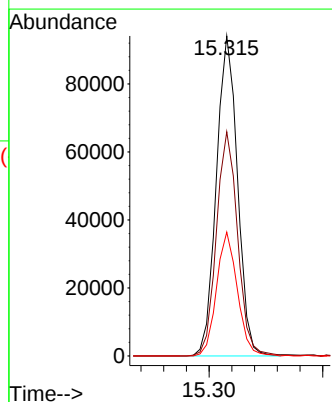
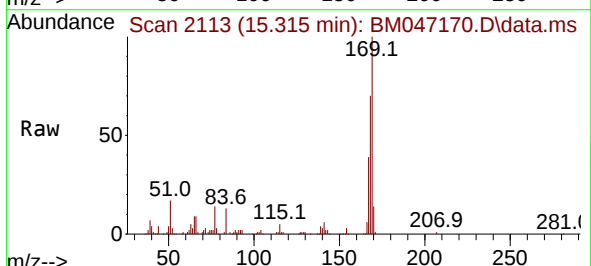
Manual Integrations
APPROVED

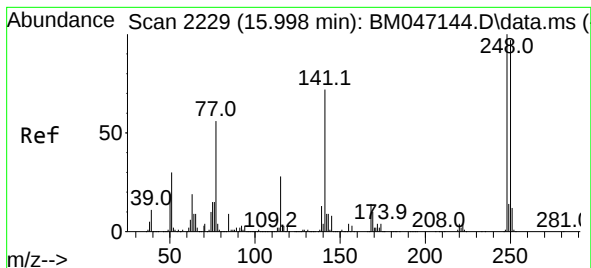
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#66
n-Nitrosodiphenylamine
Concen: 4.006 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

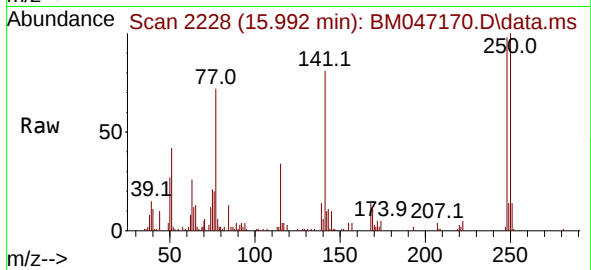
Tgt Ion:169 Resp: 121771
Ion Ratio Lower Upper
169 100
168 70.1 53.8 80.8
167 38.7 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 3.497 ng
RT: 15.992 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

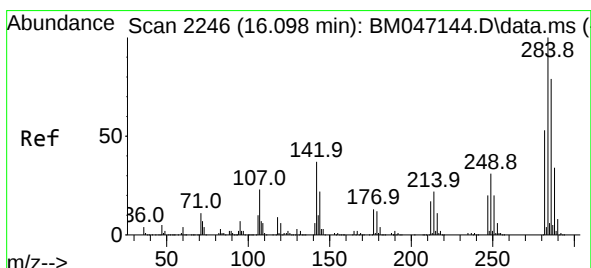
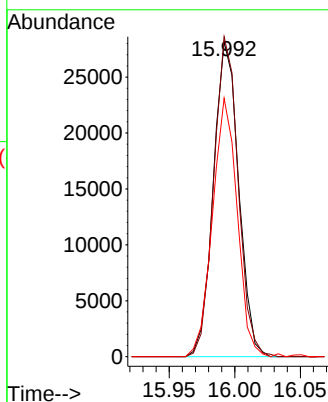
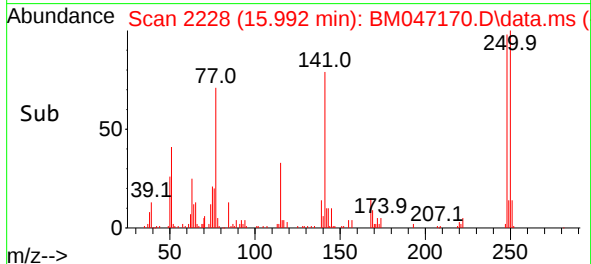
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



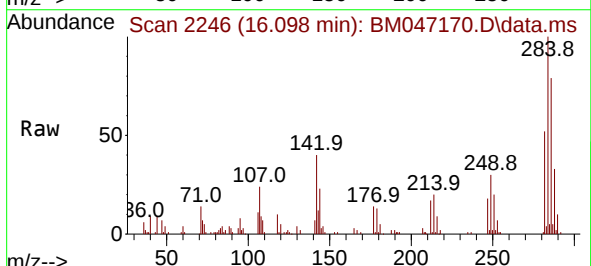
Tgt Ion:248 Resp: 37598
Ion Ratio Lower Upper
248 100
250 101.7 77.8 116.8
141 82.1 57.7 86.5

Manual Integrations
APPROVED

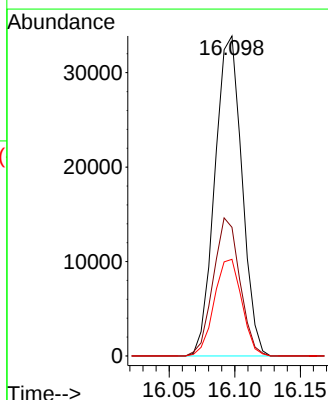
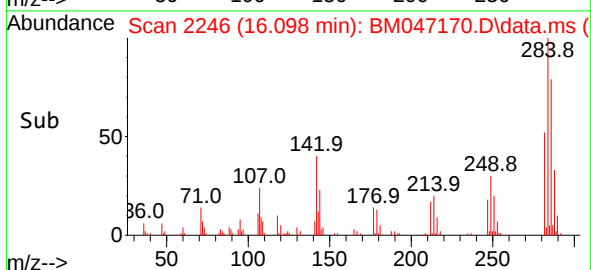
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

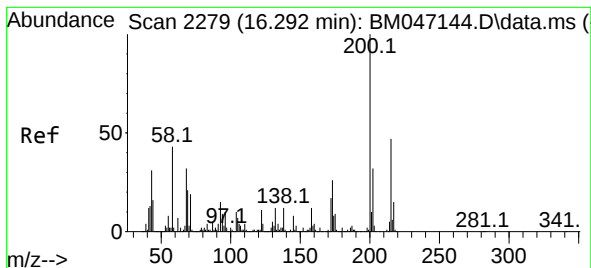


#68
Hexachlorobenzene
Concen: 3.777 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



Tgt Ion:284 Resp: 48639
Ion Ratio Lower Upper
284 100
142 40.2 29.4 44.0
249 30.2 25.1 37.7





#69

Atrazine

Concen: 4.164 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

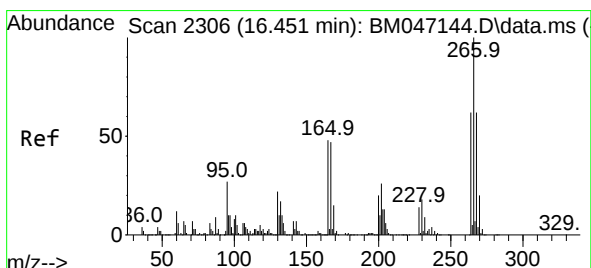
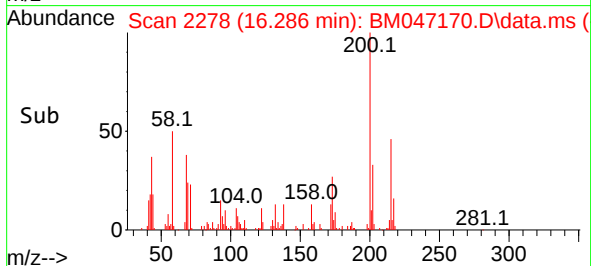
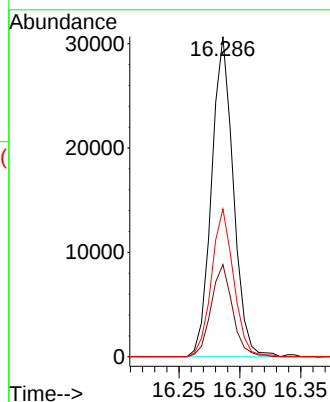
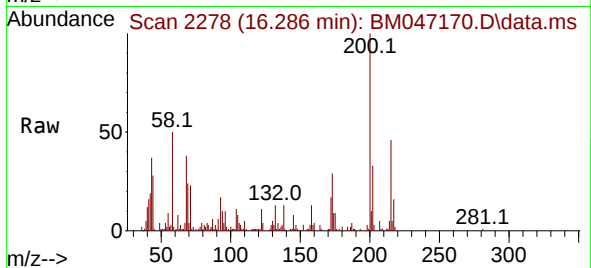
Tgt Ion:	200	Resp:	3808
Ion Ratio	Lower	Upper	
200	100		
173	28.8	6.1	46.1
215	46.1	26.8	66.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 2.599 ng

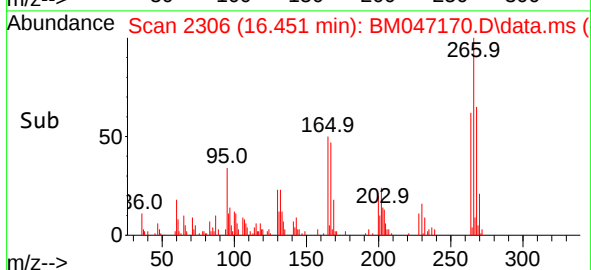
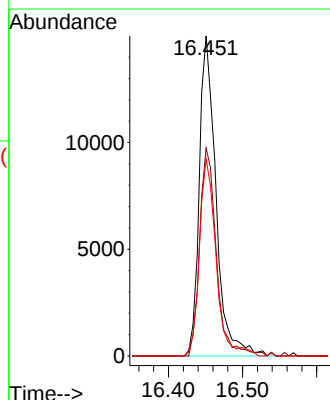
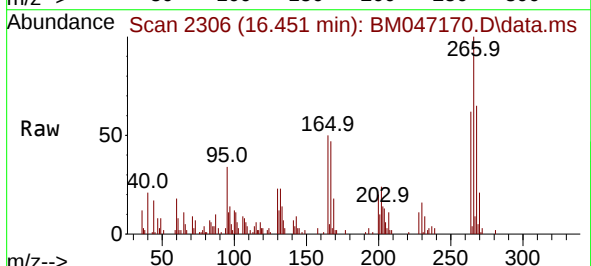
RT: 16.451 min Scan# 2306

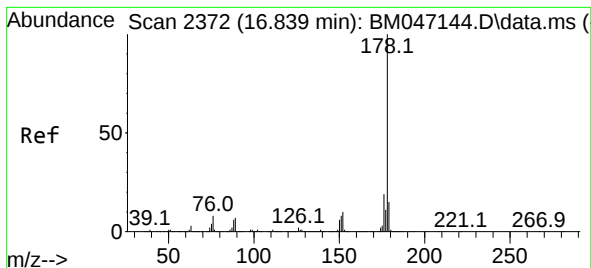
Delta R.T. -0.000 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

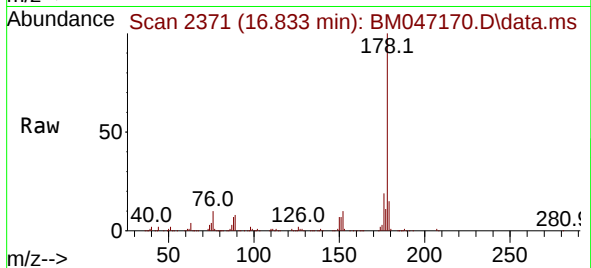
Tgt Ion:	266	Resp:	23461
Ion Ratio	Lower	Upper	
266	100		
268	65.0	49.8	74.6
264	61.6	49.6	74.4





#71
Phenanthrene
Concen: 4.373 ng
RT: 16.833 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

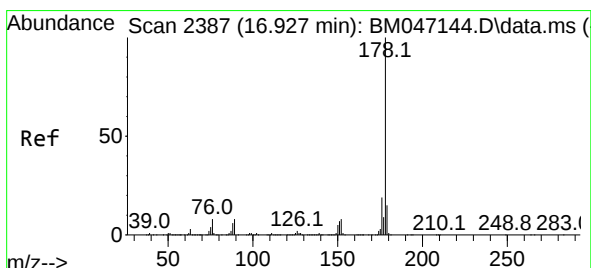
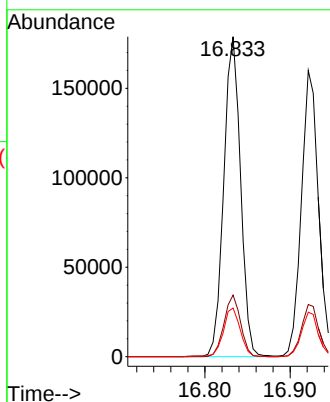
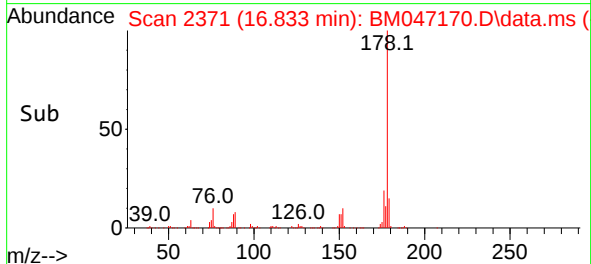
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:178 Resp: 244898
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.2 12.4 18.6

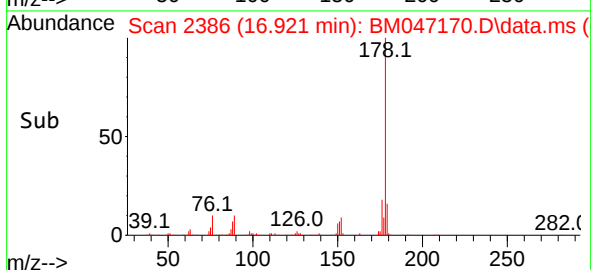
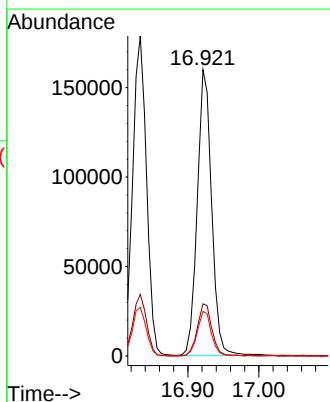
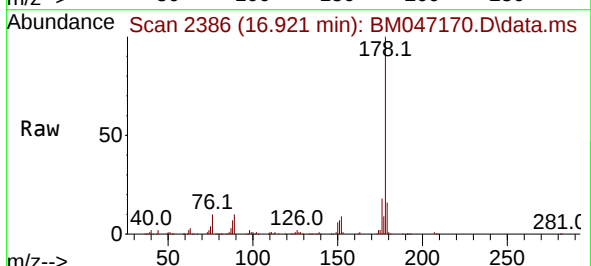
Manual Integrations
APPROVED

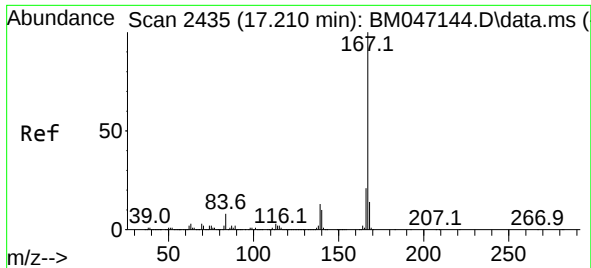
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#72
Anthracene
Concen: 4.139 ng
RT: 16.921 min Scan# 2386
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

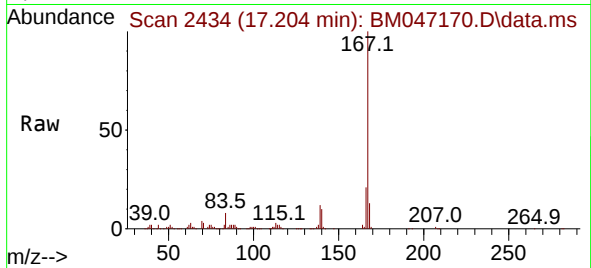
Tgt Ion:178 Resp: 225516
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 3.933 ng
 RT: 17.204 min Scan# 2435
 Delta R.T. -0.006 min
 Lab File: BM047170.D
 Acq: 13 Aug 2024 11:02

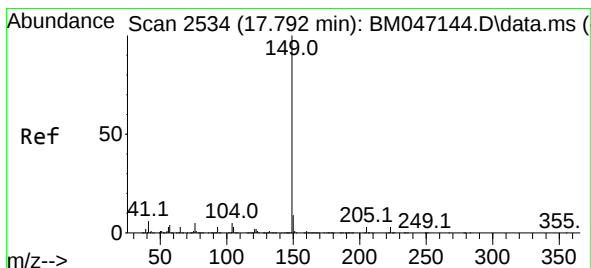
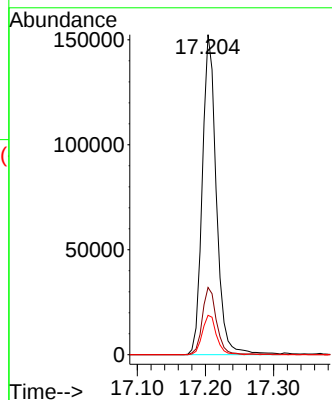
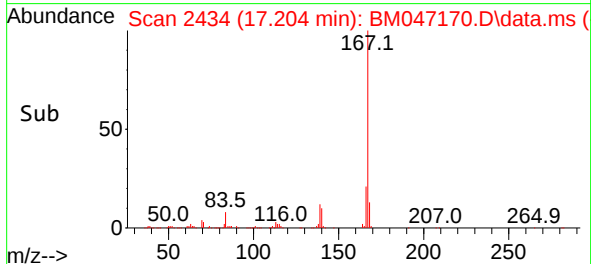
Instrument : BNA_M
 ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion:167 Resp: 218839
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.1 25.7
 139 12.3 10.0 15.0

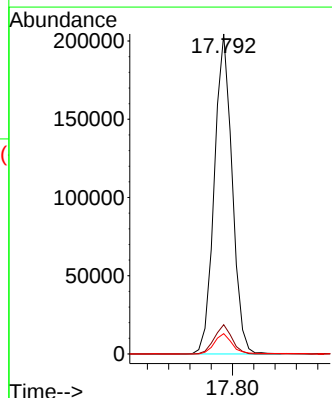
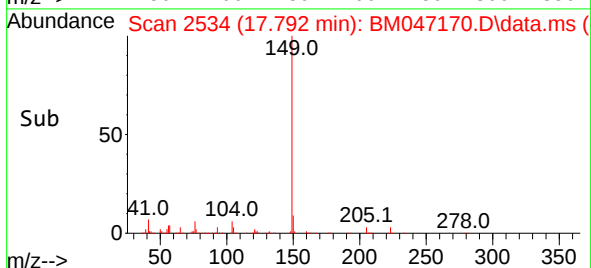
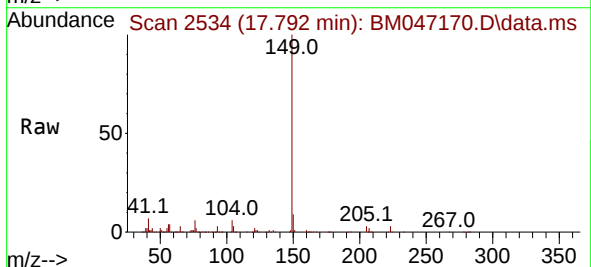
Manual Integrations
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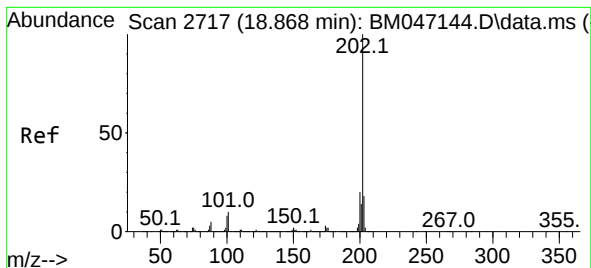
Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/14/2024



#74
 Di-n-butylphthalate
 Concen: 3.655 ng
 RT: 17.792 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: BM047170.D
 Acq: 13 Aug 2024 11:02

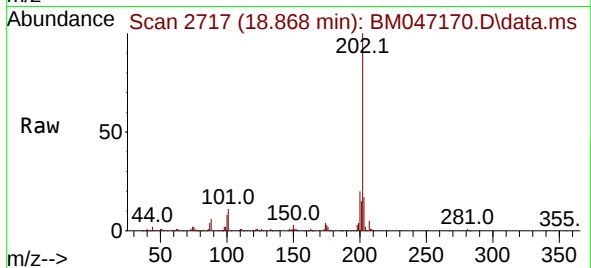
Tgt Ion:149 Resp: 236591
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 6.4 4.1 6.1#





#75
Fluoranthene
Concen: 3.726 ng
RT: 18.868 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

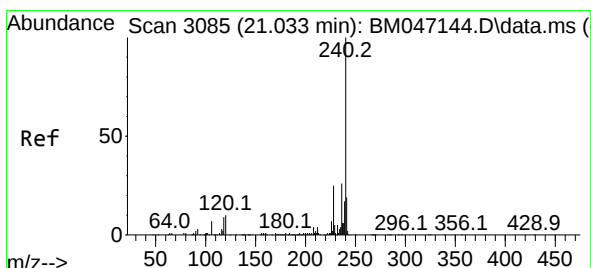
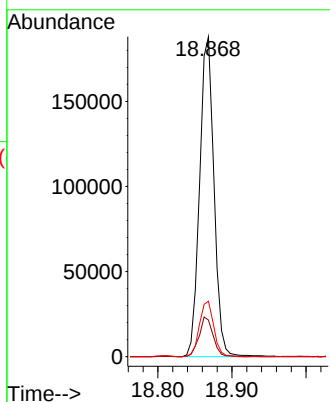
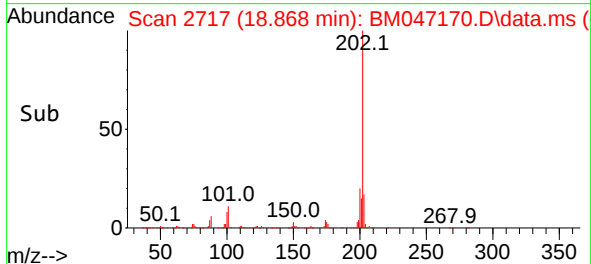
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:202 Resp: 253799
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.2
203 17.4 0.0 37.6

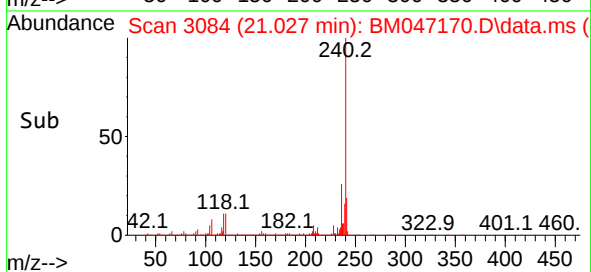
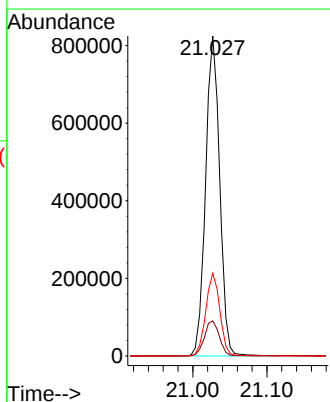
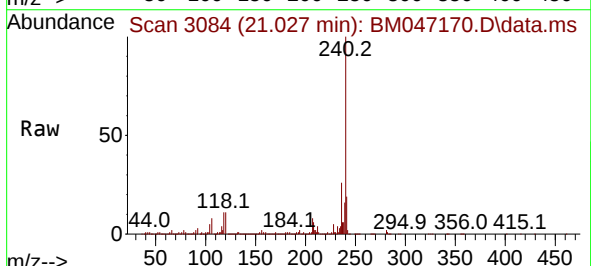
Manual Integrations
APPROVED

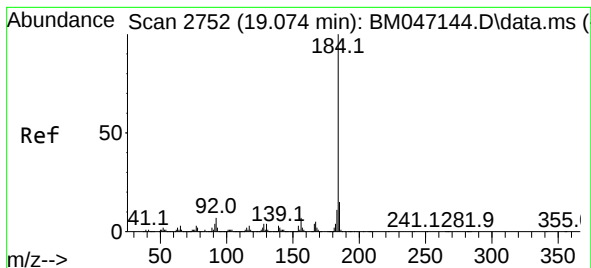
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

Tgt Ion:240 Resp: 1090704
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 25.8 20.6 30.8





#77

Benzidine

Concen: 3.890 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

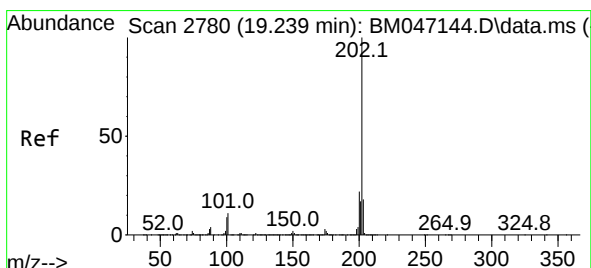
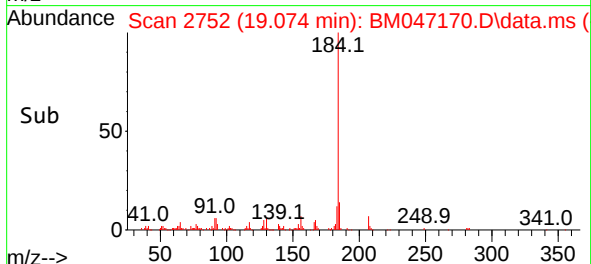
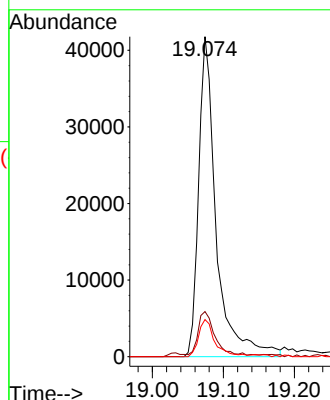
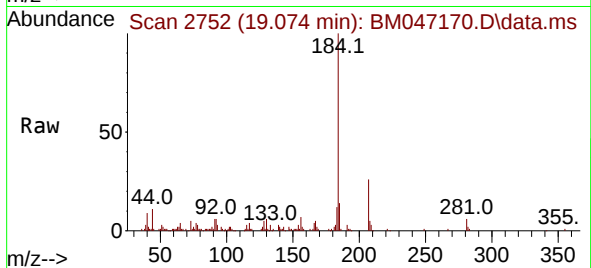
Tgt Ion:184	Resp:	71948
Ion Ratio	Lower	Upper
184	100	
185	14.1	11.8 17.6
183	11.6	9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#78

Pyrene

Concen: 3.542 ng

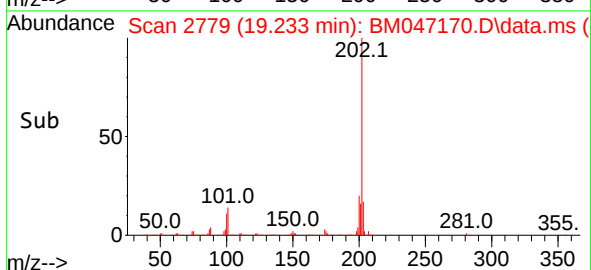
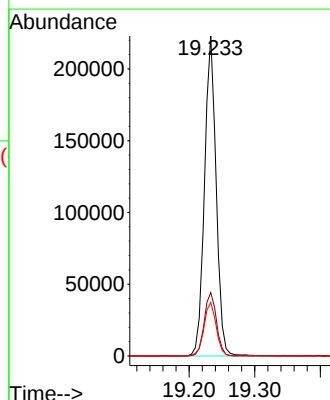
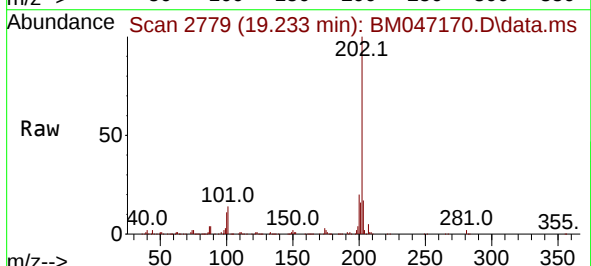
RT: 19.233 min Scan# 2779

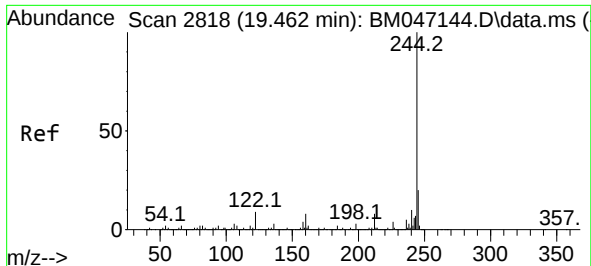
Delta R.T. -0.006 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

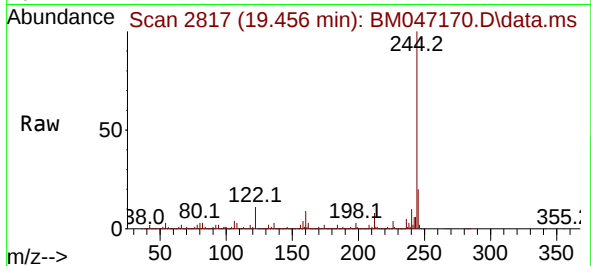
Tgt Ion:202	Resp:	275824
Ion Ratio	Lower	Upper
202	100	
200	19.8	17.2 25.8
203	16.7	14.2 21.2





#79
Terphenyl-d14
Concen: 84.358 ng
RT: 19.456 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

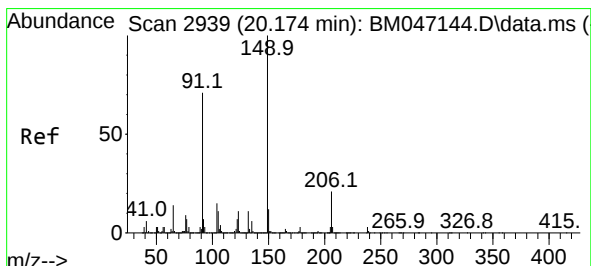
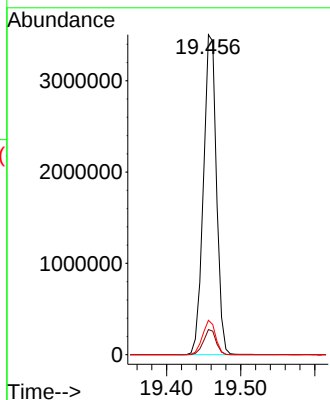
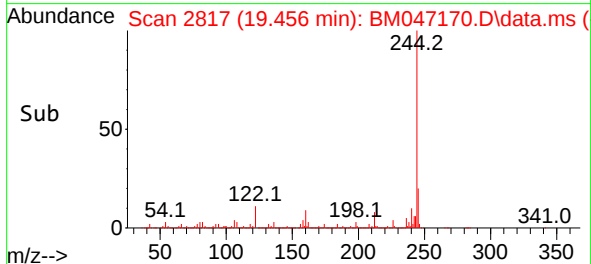
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:244 Resp: 429396
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.4
122 10.8 7.1 10.7

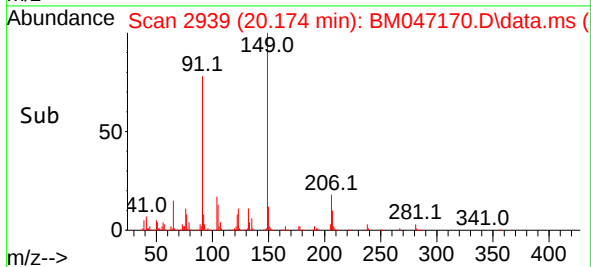
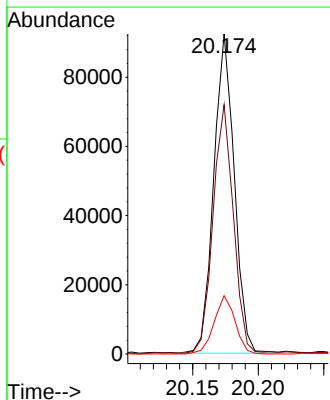
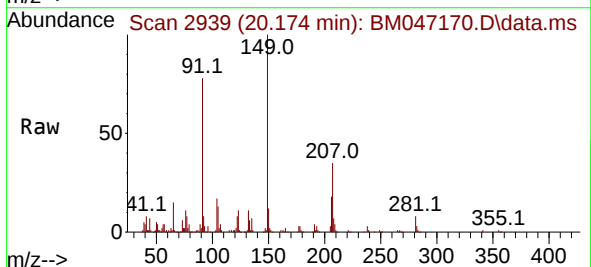
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APPROVED

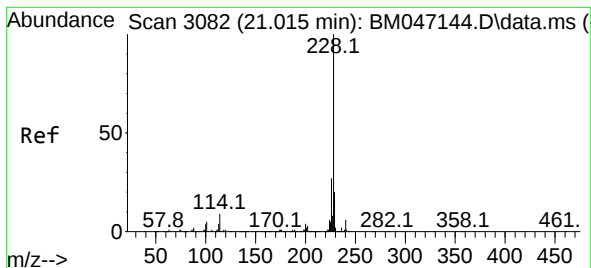
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#80
Butylbenzylphthalate
Concen: 3.159 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

Tgt Ion:149 Resp: 100391
Ion Ratio Lower Upper
149 100
91 77.9 57.0 85.4
206 18.2 16.4 24.6





#81

Benzo(a)anthracene

Concen: 3.901 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

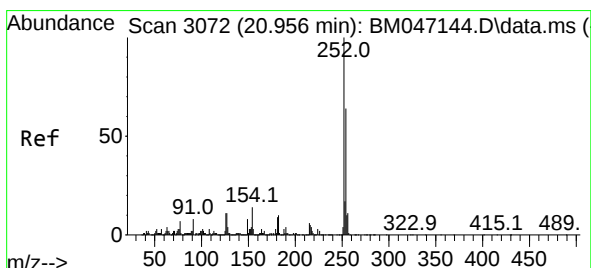
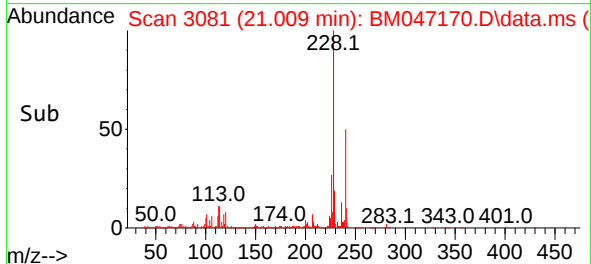
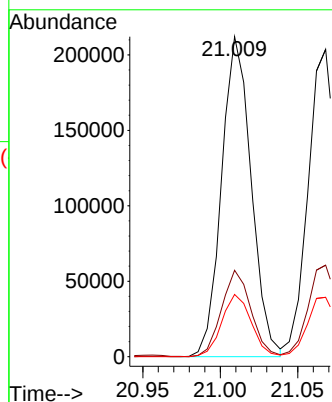
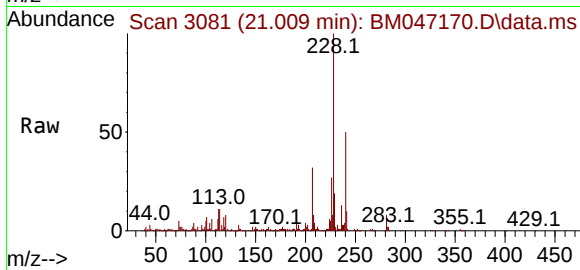
Tgt Ion:	228	Resp:	28243
Ion Ratio	Lower	Upper	
228	100		
226	27.0	21.8	32.6
229	19.4	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#82

3,3'-Dichlorobenzidine

Concen: 3.762 ng

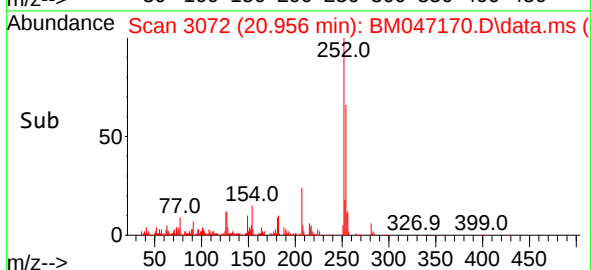
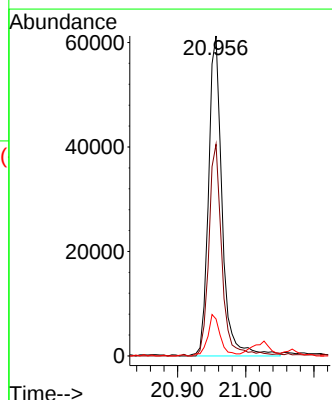
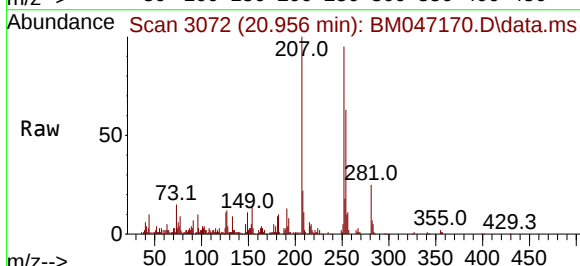
RT: 20.956 min Scan# 3072

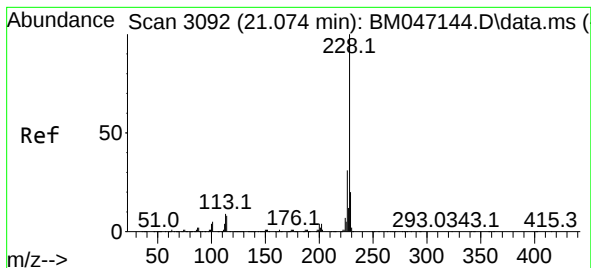
Delta R.T. -0.000 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Tgt Ion:	252	Resp:	85234
Ion Ratio	Lower	Upper	
252	100		
254	66.2	51.0	76.6
126	11.5	8.5	12.7





#83

Chrysene

Concen: 3.988 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047170.D

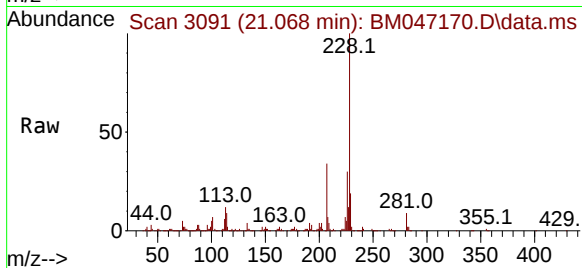
Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 228 Resp: 273990

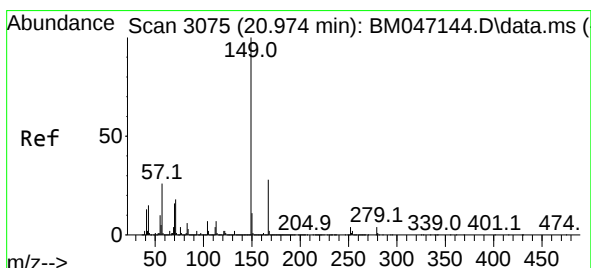
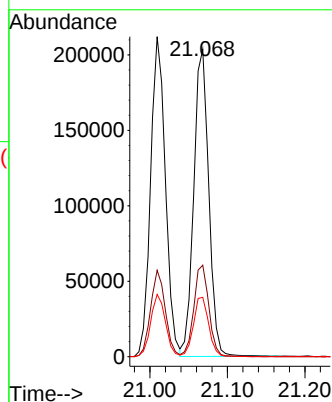
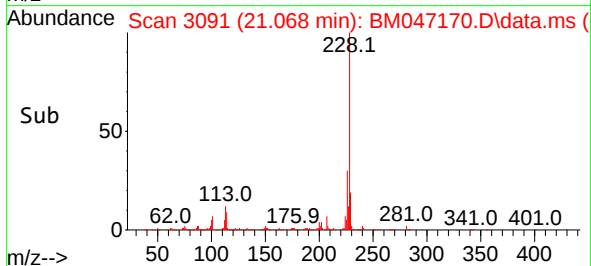
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	19.3	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.307 ng

RT: 20.974 min Scan# 3075

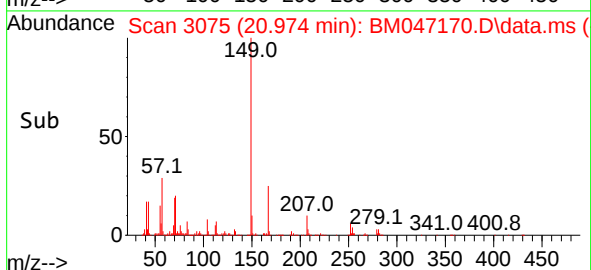
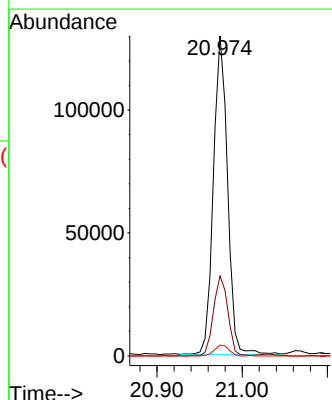
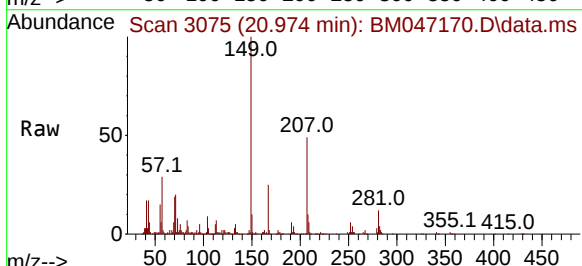
Delta R.T. -0.000 min

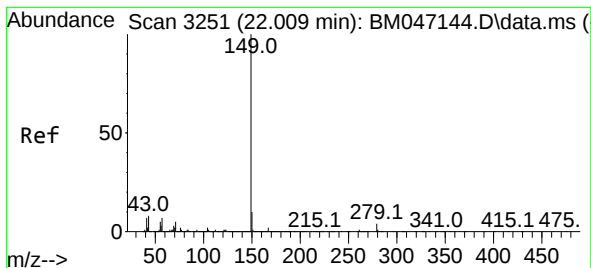
Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

Tgt Ion: 149 Resp: 149049

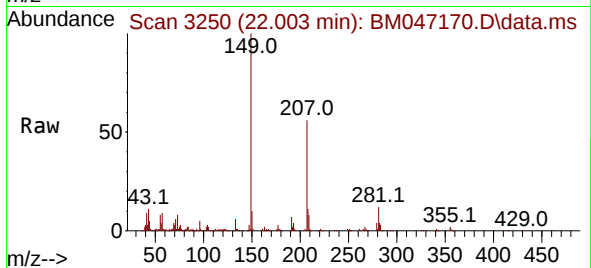
Ion	Ratio	Lower	Upper
149	100		
167	25.0	22.2	33.2
279	3.4	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 2.990 ng
RT: 22.003 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

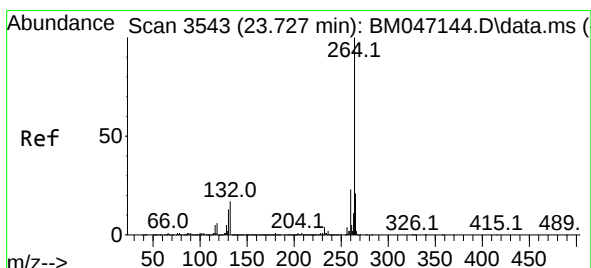
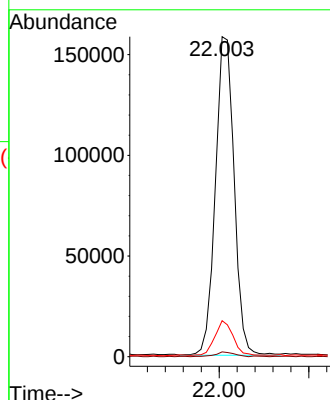
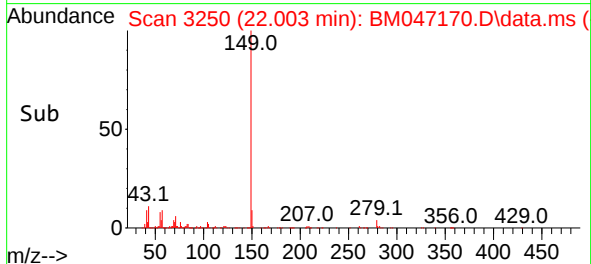
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



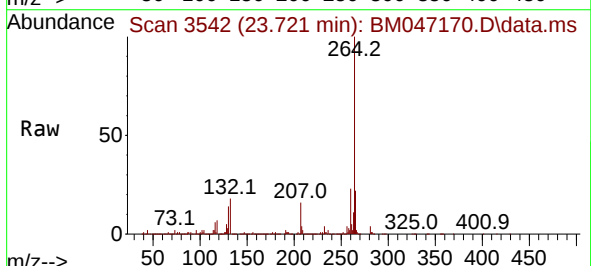
Tgt Ion:149 Resp: 22907
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.5 6.9 10.3

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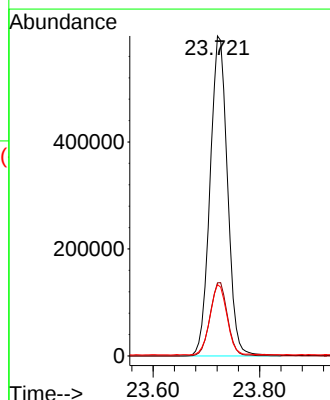
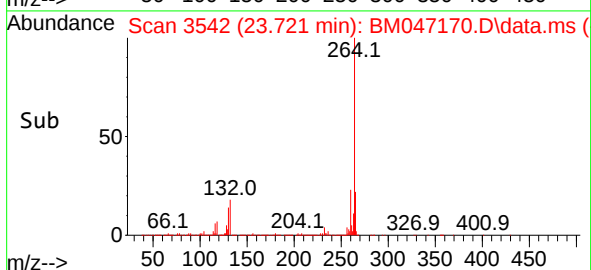
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

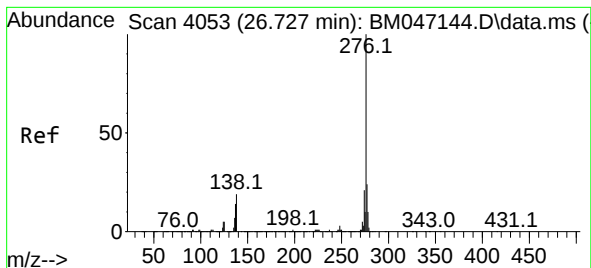


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3542
Delta R.T. -0.006 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02



Tgt Ion:264 Resp: 1358635
Ion Ratio Lower Upper
264 100
260 22.8 18.5 27.7
265 22.3 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.013 ng

RT: 26.709 min Scan# 4050

Delta R.T. -0.018 min

Lab File: BM047170.D

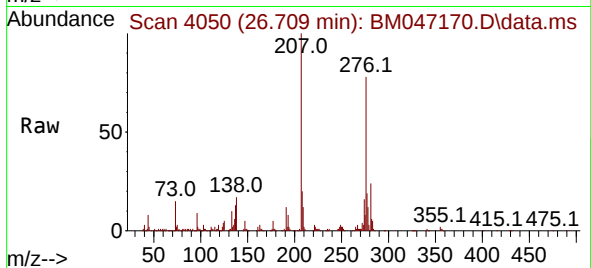
Acq: 13 Aug 2024 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



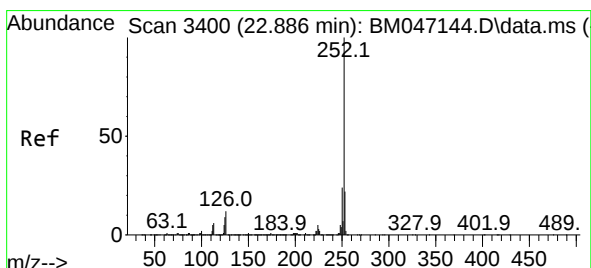
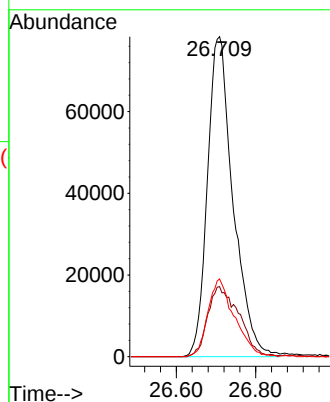
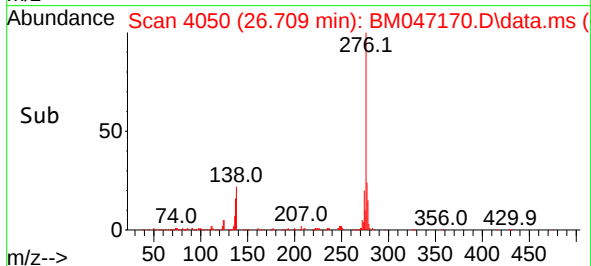
Tgt Ion:	276	Resp:	352379
Ion Ratio	Lower	Upper	
276	100		
138	26.7	19.4	29.0
277	25.1	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#88

Benzo(b)fluoranthene

Concen: 3.562 ng

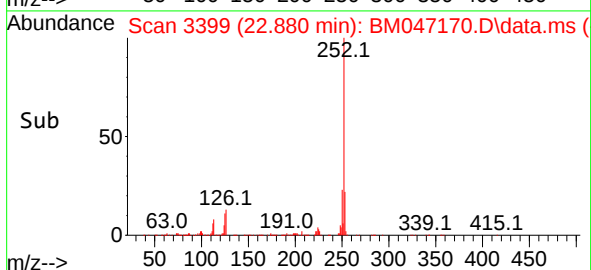
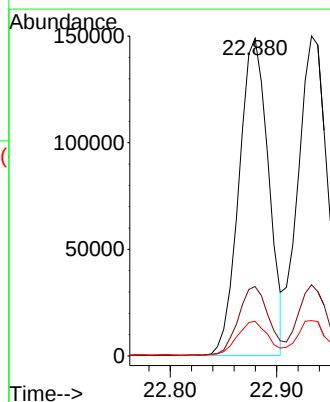
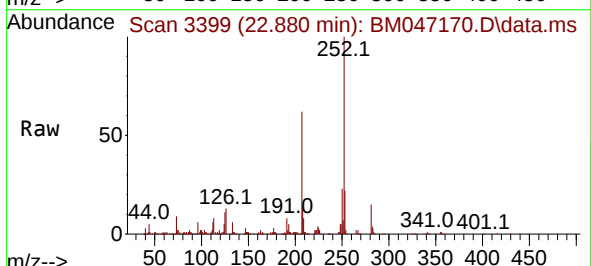
RT: 22.880 min Scan# 3399

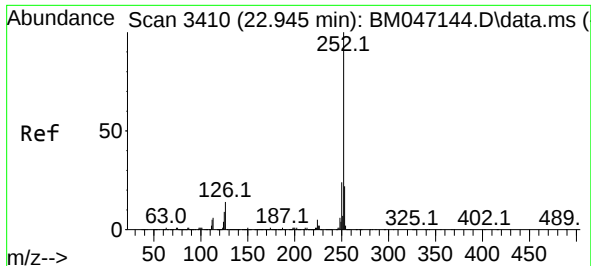
Delta R.T. -0.006 min

Lab File: BM047170.D

Acq: 13 Aug 2024 11:02

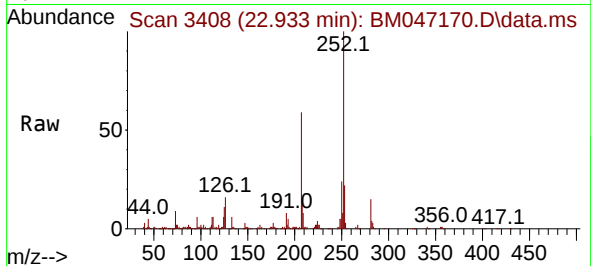
Tgt Ion:	252	Resp:	287423
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.6
125	10.9	7.4	11.0





#89
Benzo(k)fluoranthene
Concen: 3.788 ng
RT: 22.933 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

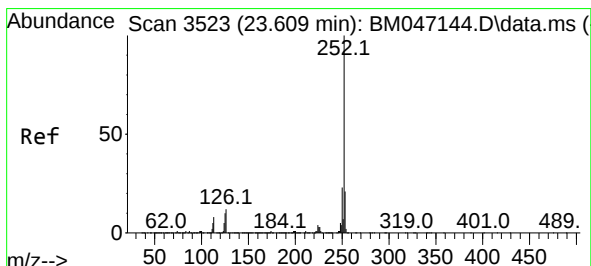
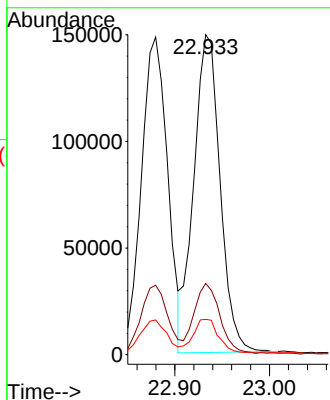
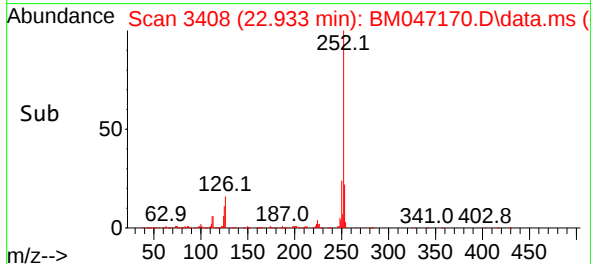
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:252 Resp: 288710
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.1 7.4 11.2

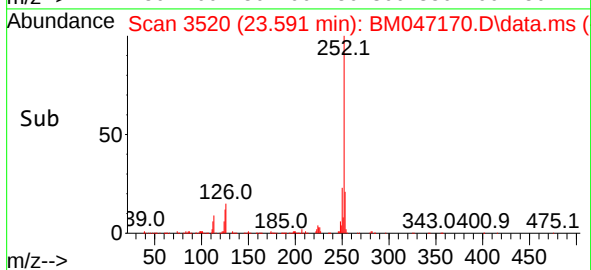
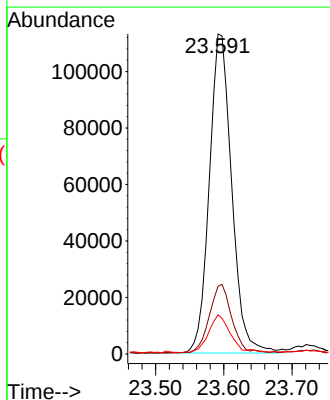
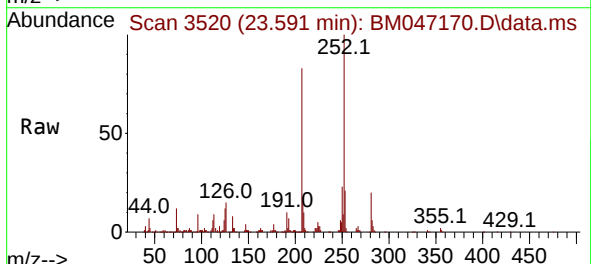
Manual Integrations
APPROVED

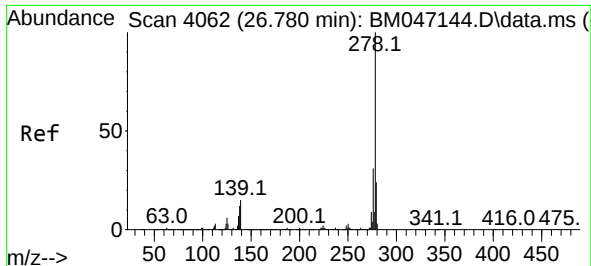
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#90
Benzo(a)pyrene
Concen: 3.698 ng
RT: 23.591 min Scan# 3520
Delta R.T. -0.018 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

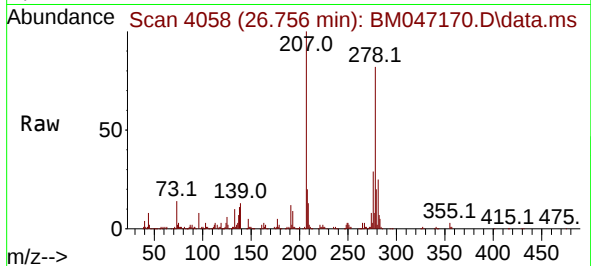
Tgt Ion:252 Resp: 258453
Ion Ratio Lower Upper
252 100
253 21.2 17.1 25.7
125 12.3 8.2 12.2#





#91
Dibenzo(a,h)anthracene
Concen: 4.108 ng
RT: 26.756 min Scan# 4062
Delta R.T. -0.024 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

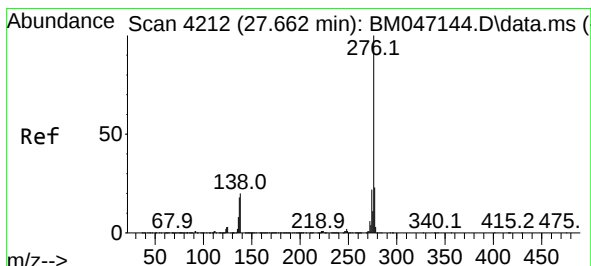
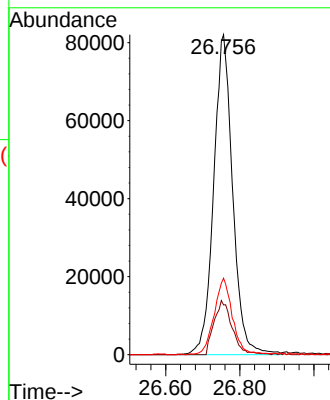
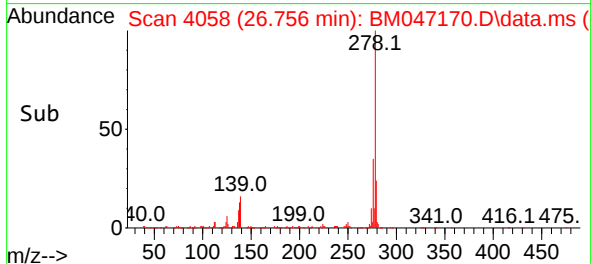
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:278 Resp: 291958
Ion Ratio Lower Upper
278 100
139 15.6 12.0 18.0
279 23.9 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 3.922 ng
RT: 27.626 min Scan# 4206
Delta R.T. -0.035 min
Lab File: BM047170.D
Acq: 13 Aug 2024 11:02

Tgt Ion:276 Resp: 289415
Ion Ratio Lower Upper
276 100
277 23.1 18.8 28.2
138 22.2 16.2 24.4

