

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044052.D
 Acq On : 12 Feb 2024 12:17
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

Quant Time: Feb 12 12:49:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	344551	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	1675474	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1013399	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	1977086	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1618787	20.000	ng	0.00
86) Perylene-d12	23.897	264	1818477	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	3453520	145.781	ng	0.00
7) Phenol-d6	7.075	99	4825807	160.105	ng	0.00
23) Nitrobenzene-d5	9.075	82	2586556	81.918	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1477409	134.648	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	5776208	80.443	ng	0.00
79) Terphenyl-d14	19.945	244	7200315	77.974	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	39648	4.217	ng	99
3) Pyridine	3.793	79	95915	3.864	ng	# 94
4) n-Nitrosodimethylamine	3.710	42	40490	4.299	ng	# 89
6) Aniline	7.239	93	153494	5.179	ng	98
8) 2-Chlorophenol	7.469	128	97102	3.925	ng	97
9) Benzaldehyde	7.057	77	87836m	5.671	ng	
10) Phenol	7.098	94	143574	4.720	ng	93
11) bis(2-Chloroethyl)ether	7.339	93	109341	4.341	ng	96
12) 1,3-Dichlorobenzene	7.792	146	102970	3.666	ng	100
13) 1,4-Dichlorobenzene	7.939	146	105913	3.741	ng	99
14) 1,2-Dichlorobenzene	8.257	146	101424	3.760	ng	99
15) Benzyl Alcohol	8.151	79	90130m	4.592	ng	
16) 2,2'-oxybis(1-Chloropr...	8.439	45	148653	4.655	ng	97
17) 2-Methylphenol	8.351	107	87793	4.397	ng	97
18) Hexachloroethane	8.975	117	37255	3.514	ng	98
19) n-Nitroso-di-n-propyla...	8.716	70	85210	4.604	ng	97
20) 3+4-Methylphenols	8.681	107	113027	4.113	ng	94
22) Acetophenone	8.739	105	172678	4.060	ng	# 96
24) Nitrobenzene	9.116	77	129849	4.016	ng	98
25) Isophorone	9.639	82	218782	3.598	ng	97
26) 2-Nitrophenol	9.828	139	44564	2.973	ng	92
27) 2,4-Dimethylphenol	9.886	122	83207	4.341	ng	97
28) bis(2-Chloroethoxy)met...	10.133	93	152063	3.867	ng	99
29) 2,4-Dichlorophenol	10.351	162	85536	3.389	ng	95
30) 1,2,4-Trichlorobenzene	10.569	180	101324	3.571	ng	99
31) Naphthalene	10.757	128	346114	3.743	ng	99
32) Benzoic acid	9.945	122	34104	1.766	ng	98
33) 4-Chloroaniline	10.880	127	134898	3.852	ng	97
34) Hexachlorobutadiene	11.033	225	54089	3.330	ng	92
35) Caprolactam	11.651	113	23482	2.892	ng	96
36) 4-Chloro-3-methylphenol	11.998	107	89575	3.278	ng	97
37) 2-Methylnaphthalene	12.374	142	226978	3.685	ng	98
38) 1-Methylnaphthalene	12.592	142	228330	3.772	ng	97
40) 1,2,4,5-Tetrachloroben...	12.733	216	111812	3.796	ng	100
41) Hexachlorocyclopentadiene	12.704	237	50665	3.941	ng	99
43) 2,4,6-Trichlorophenol	12.980	196	60664	3.026	ng	99

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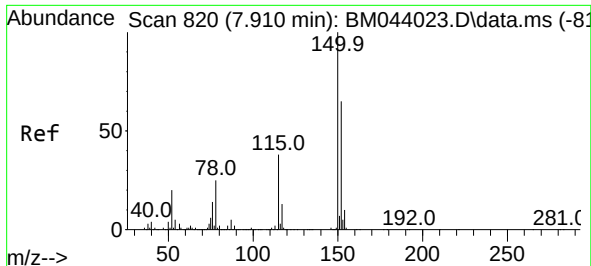
Quant Time: Feb 12 12:49:46 2024
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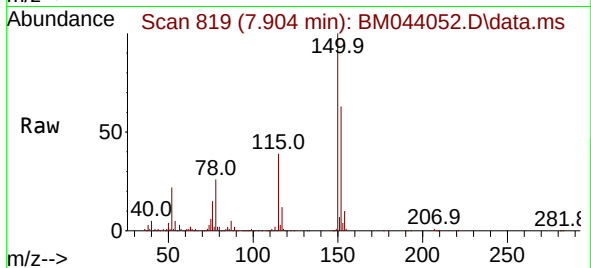
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	67020	3.046	ng	97
46) 1,1'-Biphenyl	13.386	154	307239	3.842	ng	99
47) 2-Chloronaphthalene	13.421	162	234550	3.703	ng	99
48) 2-Nitroaniline	13.639	65	53002	2.974	ng	89
49) Acenaphthylene	14.268	152	368079	3.895	ng	99
50) Dimethylphthalate	14.015	163	269632	3.588	ng	100
51) 2,6-Dinitrotoluene	14.139	165	47433	2.861	ng	# 87
52) Acenaphthene	14.610	154	214490	3.667	ng	99
53) 3-Nitroaniline	14.468	138	50449	2.832	ng	# 95
54) 2,4-Dinitrophenol	14.668	184	15159	7.005	ng	91
55) Dibenzofuran	14.951	168	353404	3.904	ng	99
56) 4-Nitrophenol	14.768	139	32850m	2.268	ng	
57) 2,4-Dinitrotoluene	14.921	165	58452	2.698	ng	93
58) Fluorene	15.598	166	272052	3.889	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	57428	3.327	ng	99
60) Diethylphthalate	15.380	149	259883	3.347	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	132767	3.917	ng	96
62) 4-Nitroaniline	15.627	138	44797	2.498	ng	87
63) Azobenzene	15.892	77	247695	3.400	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	23730	2.014	ng	87
66) n-Nitrosodiphenylamine	15.815	169	216010	3.596	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	65869	3.370	ng	96
68) Hexachlorobenzene	16.592	284	86784	3.624	ng	95
69) Atrazine	16.774	200	64845	3.987	ng	98
70) Pentachlorophenol	16.945	266	36225	2.326	ng	97
71) Phenanthrene	17.339	178	407375	3.902	ng	99
72) Anthracene	17.433	178	384004	3.715	ng	99
73) Carbazole	17.709	167	339715	3.380	ng	98
74) Di-n-butylphthalate	18.286	149	373346	2.857	ng	99
75) Fluoranthene	19.362	202	407147	3.472	ng	99
77) Benzidine	19.562	184	38237m	1.520	ng	
78) Pyrene	19.727	202	429017	3.441	ng	99
80) Butylbenzylphthalate	20.650	149	130601	2.357	ng	99
81) Benzo(a)anthracene	21.486	228	403938	3.587	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	118639	3.211	ng	99
83) Chrysene	21.539	228	389215	3.659	ng	98
84) Bis(2-ethylhexyl)phtha...	21.439	149	199005	2.434	ng	98
85) Di-n-octyl phthalate	22.374	149	305912	2.142	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.379	276	454439	3.531	ng	99
88) Benzo(b)fluoranthene	23.168	252	389087	3.423	ng	99
89) Benzo(k)fluoranthene	23.215	252	376935	3.490	ng	98
90) Benzo(a)pyrene	23.791	252	326985	3.293	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	382542	3.553	ng	99
92) Benzo(g,h,i)perylene	27.138	276	374735	3.432	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

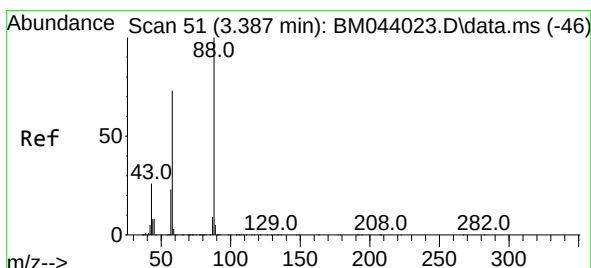
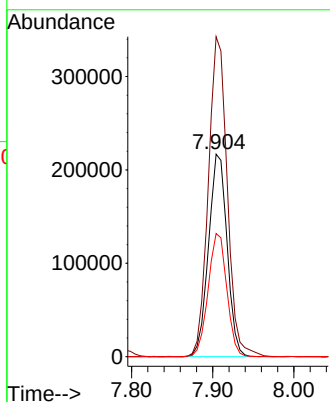
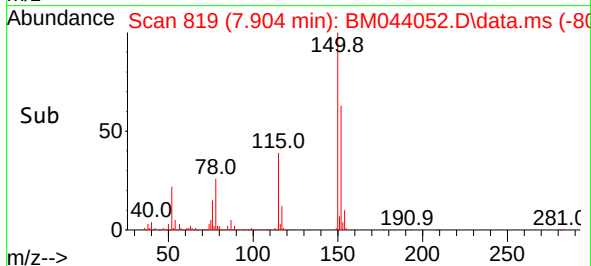
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:152 Resp: 34455
Ion Ratio Lower Upper
152 100
150 158.0 122.7 184.1
115 60.9 47.0 70.6

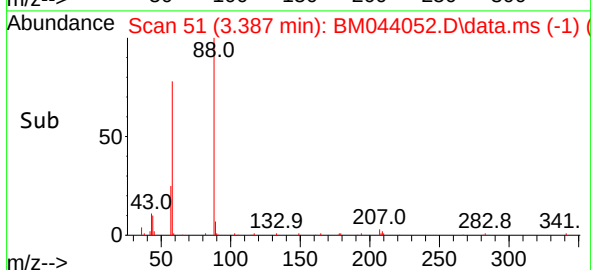
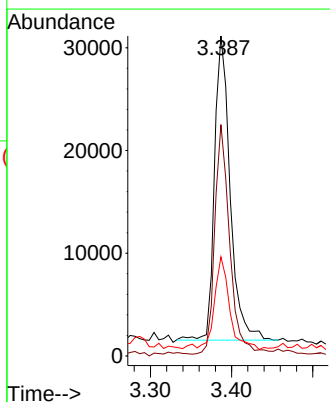
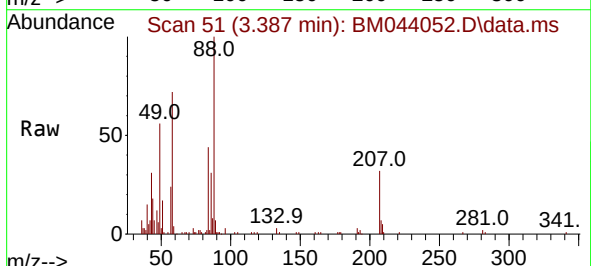
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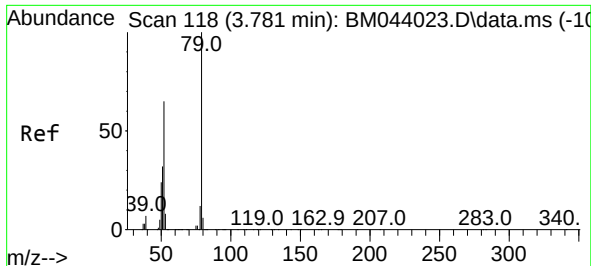
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#2
1,4-Dioxane
Concen: 4.217 ng
RT: 3.387 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

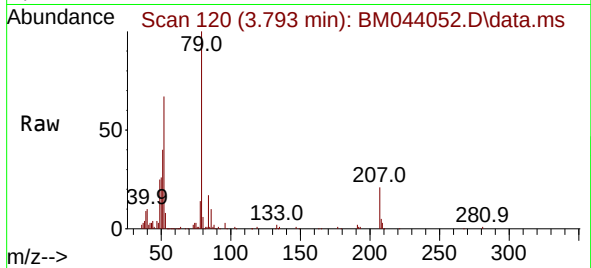
Tgt Ion: 88 Resp: 39648
Ion Ratio Lower Upper
88 100
58 72.2 58.1 87.1
43 28.2 21.1 31.7





#3
Pyridine
Concen: 3.864 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

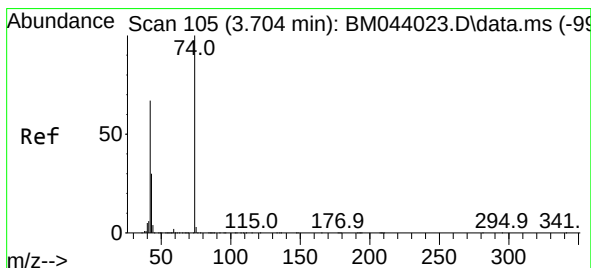
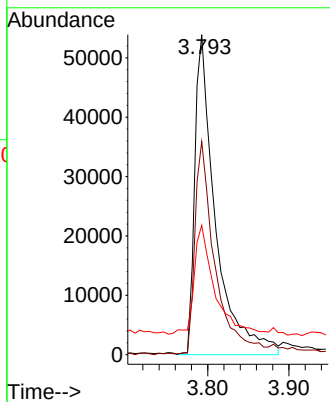
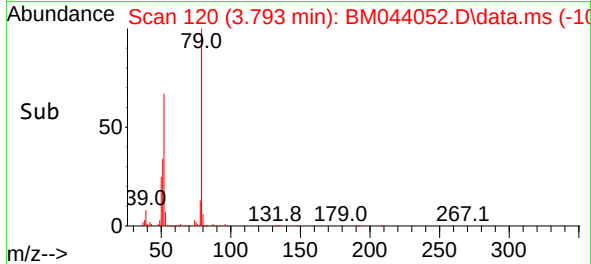
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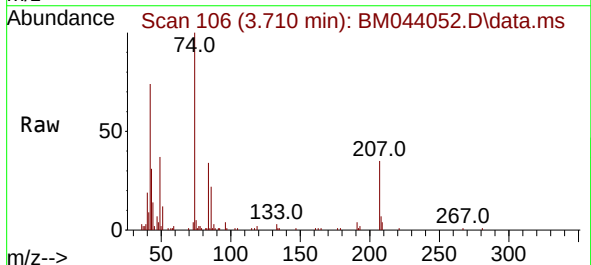
Tgt Ion: 79 Resp: 9591
Ion Ratio Lower Upper
79 100
52 66.6 52.2 78.2
51 40.5 26.2 39.4

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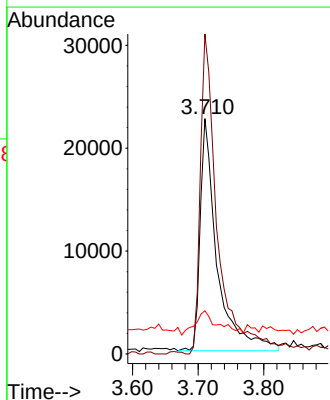
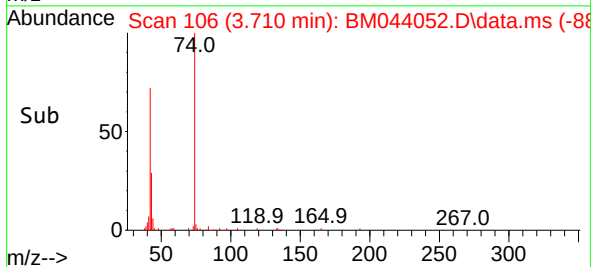
Reviewed By :Yogesh Patel 02/14/2024
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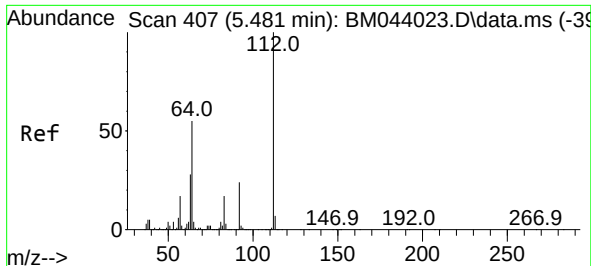


#4
n-Nitrosodimethylamine
Concen: 4.299 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



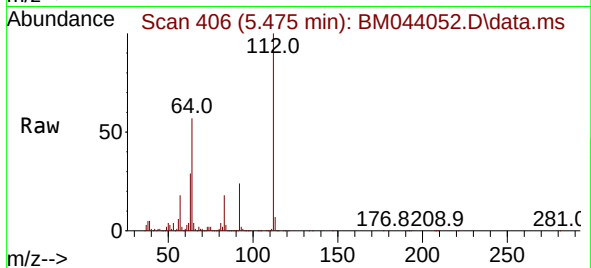
Tgt Ion: 42 Resp: 40490
Ion Ratio Lower Upper
42 100
74 136.0 118.6 178.0
44 18.4 5.6 8.4





#5
2-Fluorophenol
Concen: 145.781 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

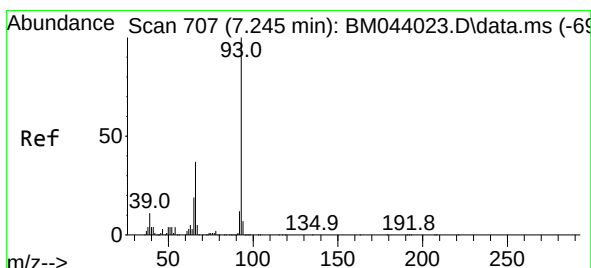
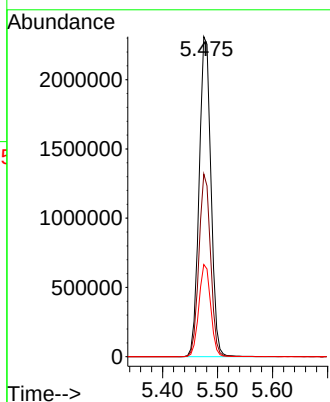
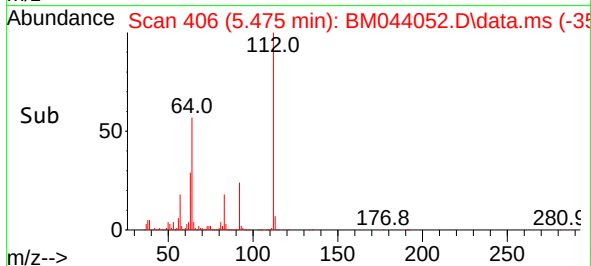
Instrument :
BNA_M
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MDL-SOIL-03-QT3-2023



Tgt Ion:112 Resp: 3453520
Ion Ratio Lower Upper
112 100
64 57.1 44.2 66.4
63 28.8 22.6 34.0

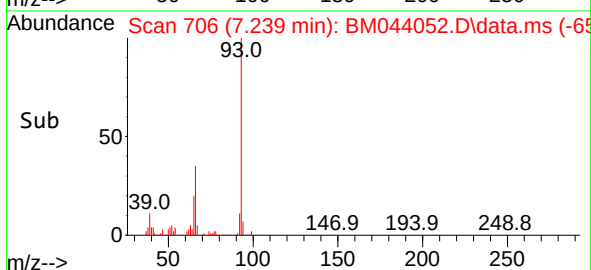
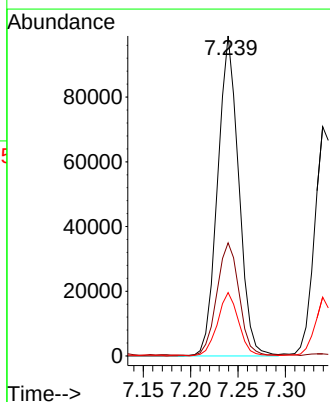
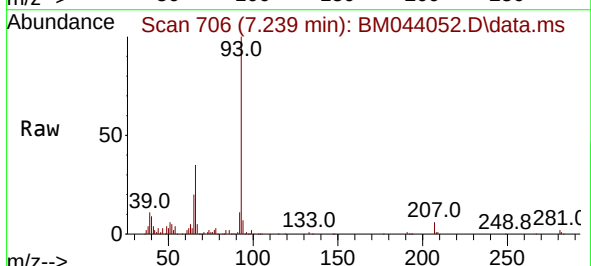
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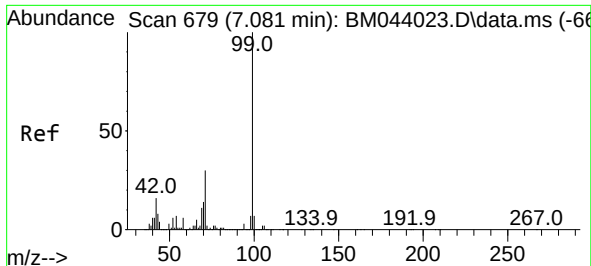
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#6
Aniline
Concen: 5.179 ng
RT: 7.239 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion: 93 Resp: 153494
Ion Ratio Lower Upper
93 100
66 35.4 29.4 44.0
65 19.8 15.2 22.8





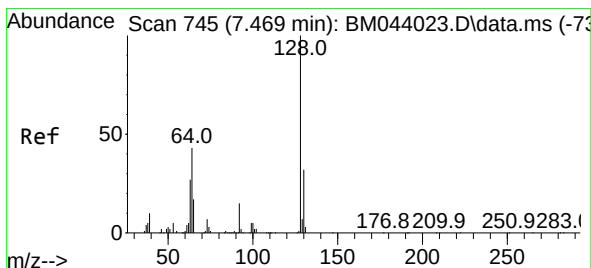
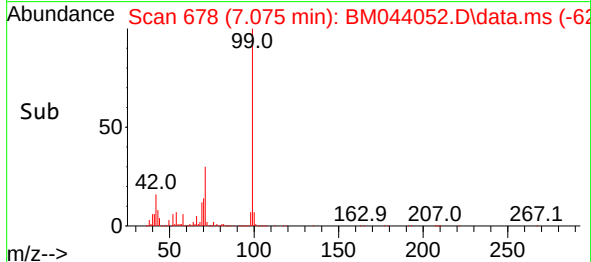
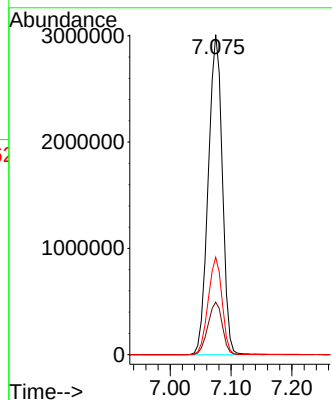
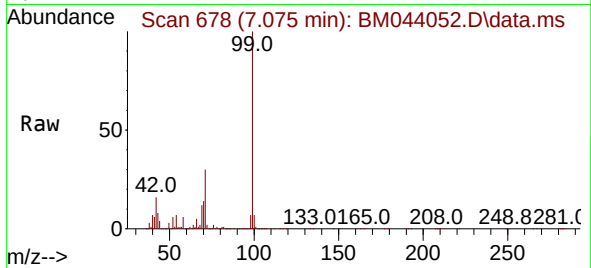
#7
Phenol-d6
Concen: 160.105 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Instrument :
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ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion: 99 Resp: 482580
Ion Ratio Lower Upper
99 100
42 16.4 12.9 19.3
71 30.5 23.9 35.9

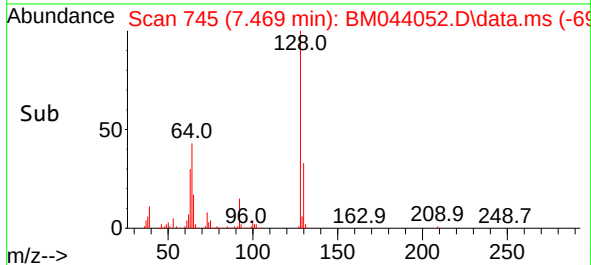
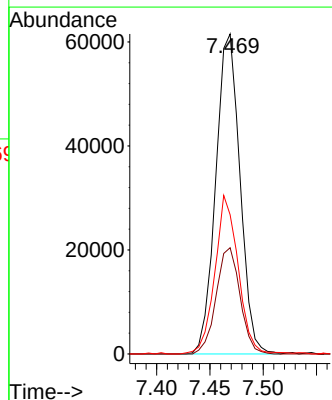
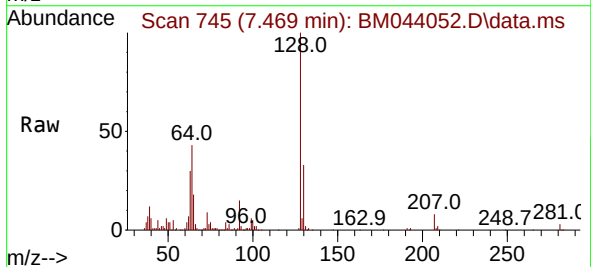
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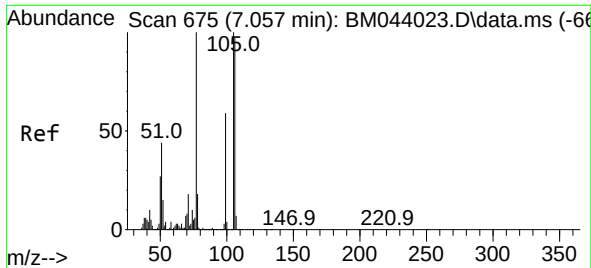
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#8
2-Chlorophenol
Concen: 3.925 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

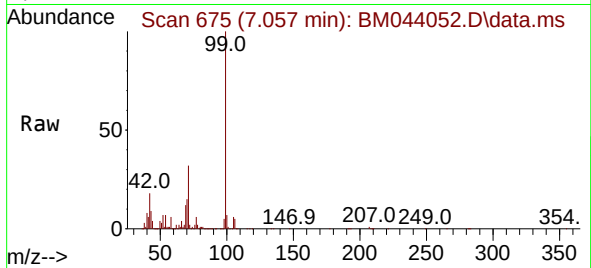
Tgt Ion:128 Resp: 97102
Ion Ratio Lower Upper
128 100
130 33.2 12.1 52.1
64 43.5 26.0 66.0





#9
Benzaldehyde
Concen: 5.671 ng m
RT: 7.057 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

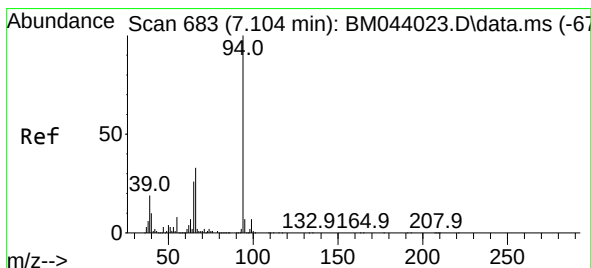
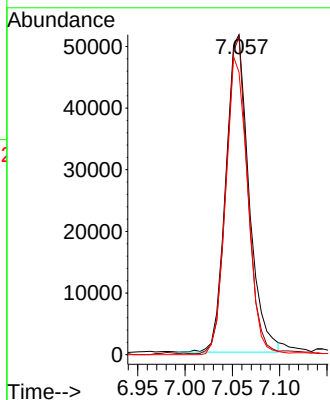
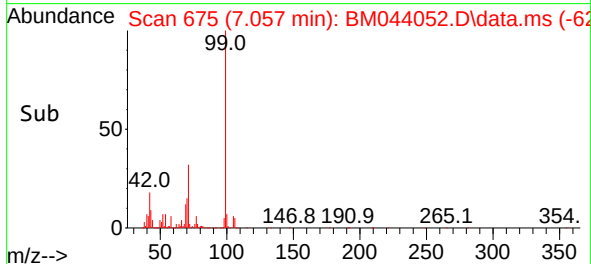
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



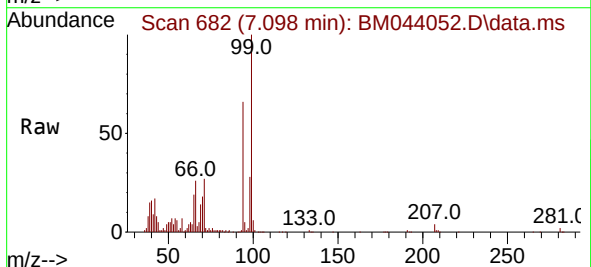
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Ion Ratio Lower Upper
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105 99.4 80.0 120.0
106 88.3 76.8 116.8

Manual Integrations
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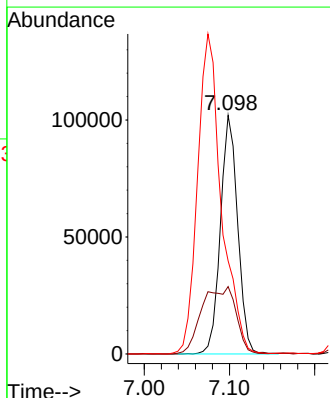
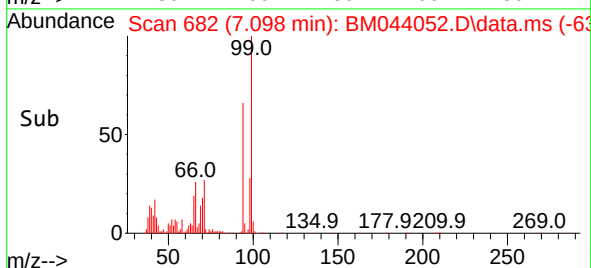
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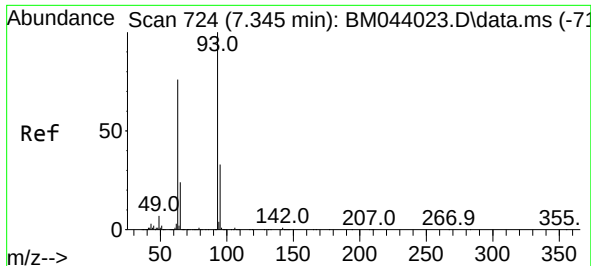


#10
Phenol
Concen: 4.720 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



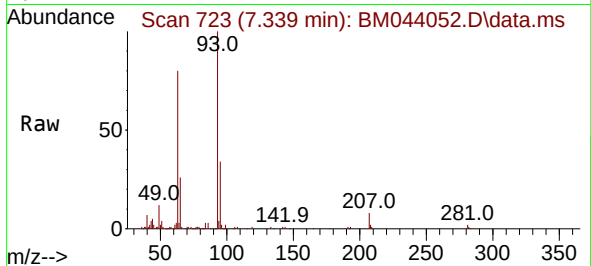
Tgt Ion: 94 Resp: 143574
Ion Ratio Lower Upper
94 100
65 28.3 6.4 46.4
66 39.0 13.2 53.2





#11
bis(2-Chloroethyl)ether
Concen: 4.341 ng
RT: 7.339 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

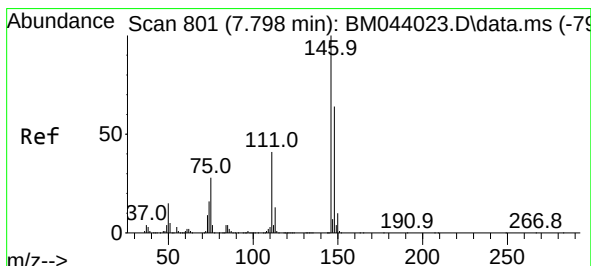
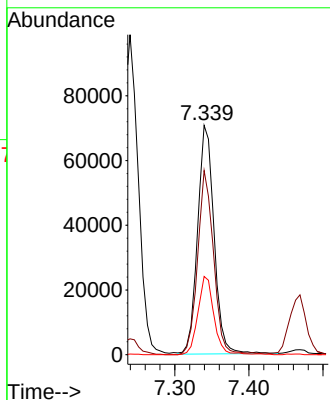
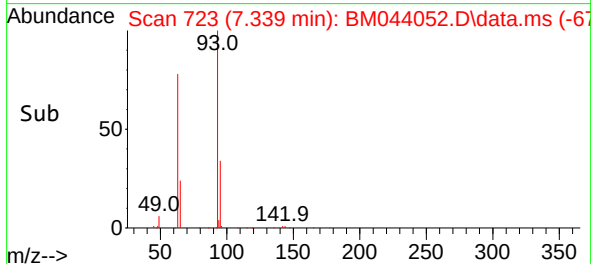
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 93 Resp: 10934
Ion Ratio Lower Upper
93 100
63 80.3 55.9 95.9
95 34.1 13.0 53.0

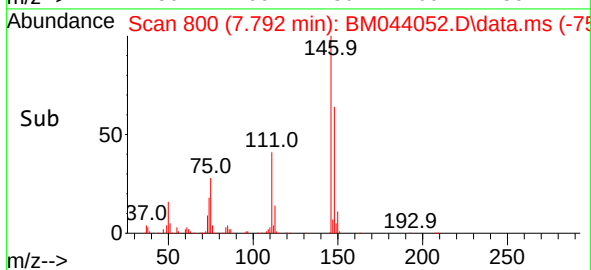
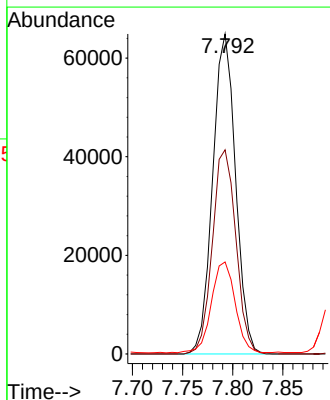
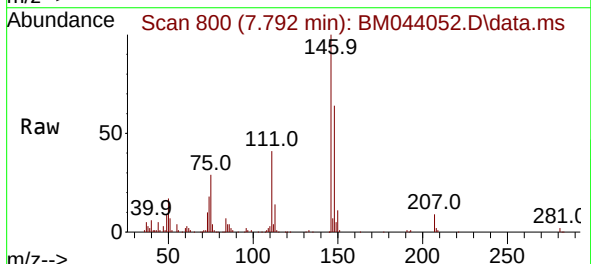
Manual Integrations
APPROVED

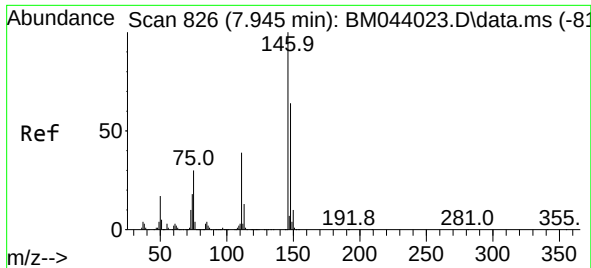
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#12
1,3-Dichlorobenzene
Concen: 3.666 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion:146 Resp: 102970
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 28.7 22.7 34.1





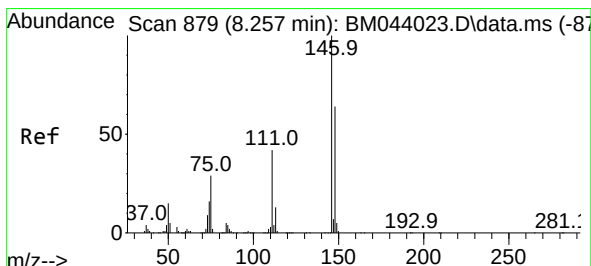
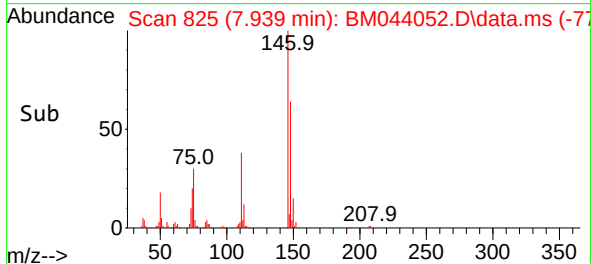
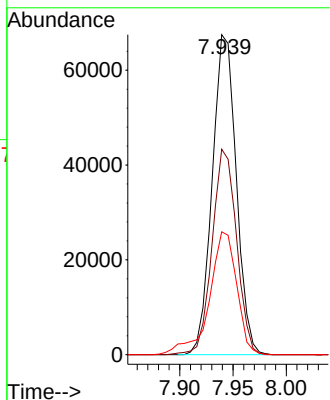
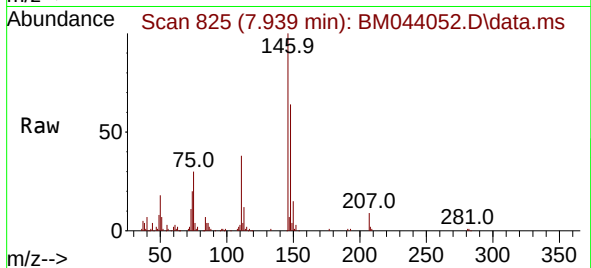
#13
1,4-Dichlorobenzene
Concen: 3.741 ng
RT: 7.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:146 Resp: 10591
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
111 38.4 31.2 46.8

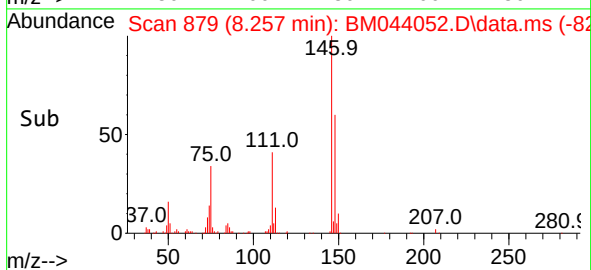
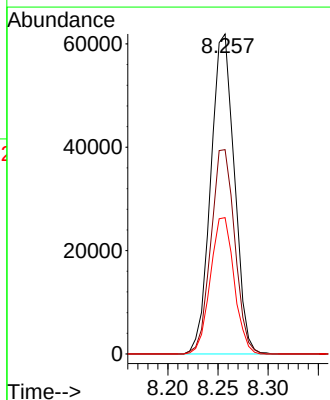
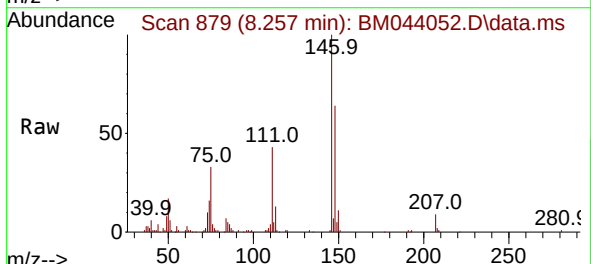
Manual Integrations
APPROVED

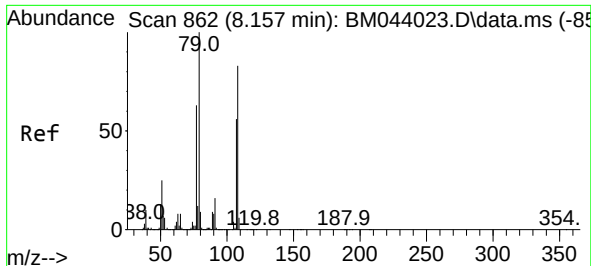
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#14
1,2-Dichlorobenzene
Concen: 3.760 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

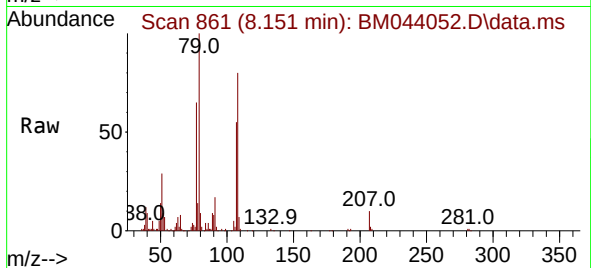
Tgt Ion:146 Resp: 101424
Ion Ratio Lower Upper
146 100
148 63.9 51.4 77.2
111 42.6 33.7 50.5





#15
Benzyl Alcohol
Concen: 4.592 ng m
RT: 8.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

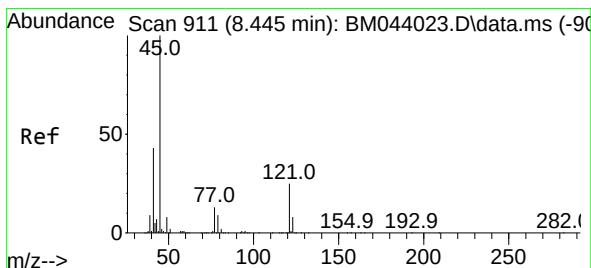
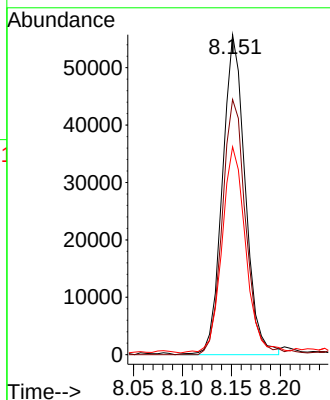
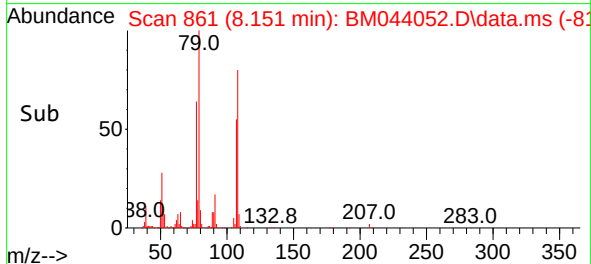
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 79 Resp: 90130
Ion Ratio Lower Upper
79 100
108 79.8 66.0 99.0
77 64.9 50.4 75.6

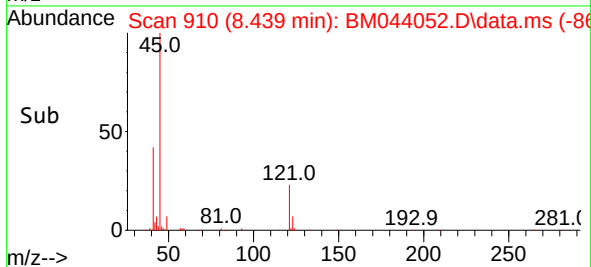
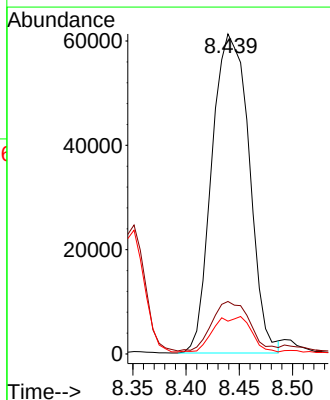
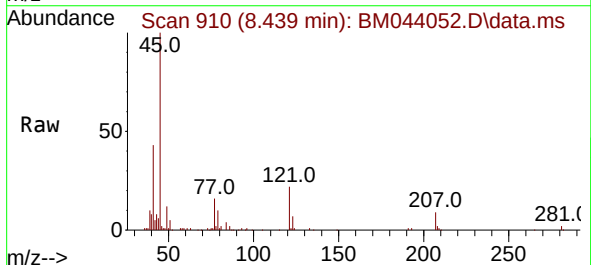
Manual Integrations
APPROVED

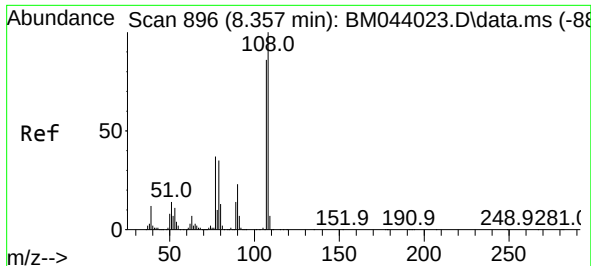
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.655 ng
RT: 8.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

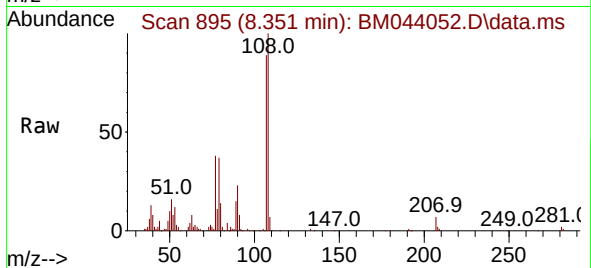
Tgt Ion: 45 Resp: 148653
Ion Ratio Lower Upper
45 100
77 16.4 0.0 35.1
79 10.3 0.0 31.5





#17
2-Methylphenol
Concen: 4.397 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

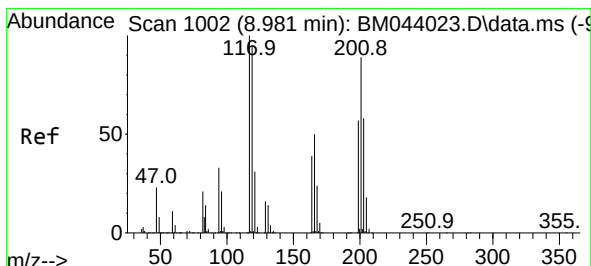
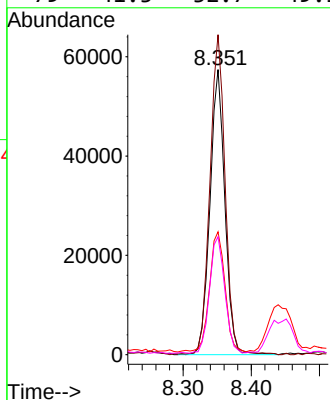
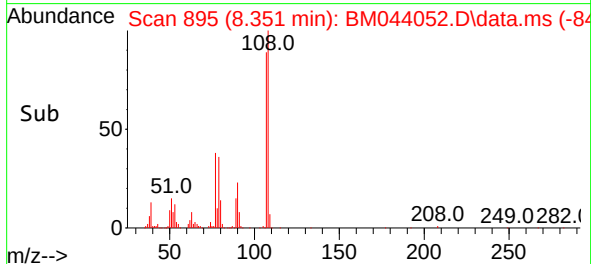
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:	107	Resp:	8779
Ion Ratio	Lower	Upper	
107	100		
108	112.2	93.4	140.2
77	43.1	34.7	52.1
79	41.3	32.7	49.1

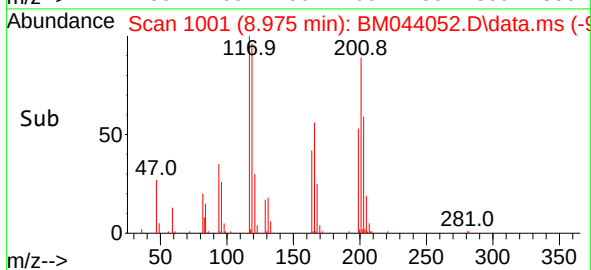
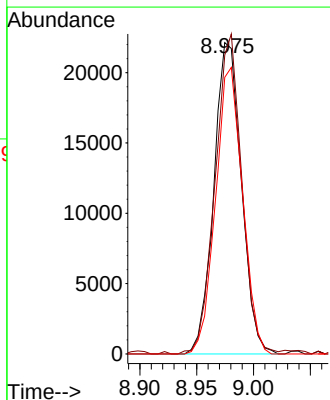
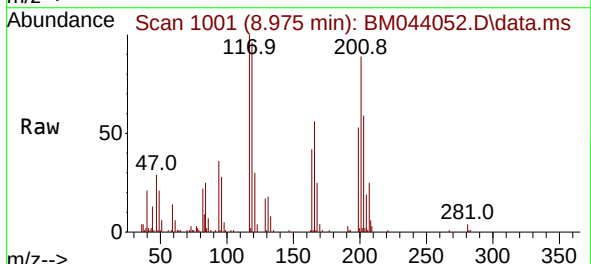
Manual Integrations
APPROVED

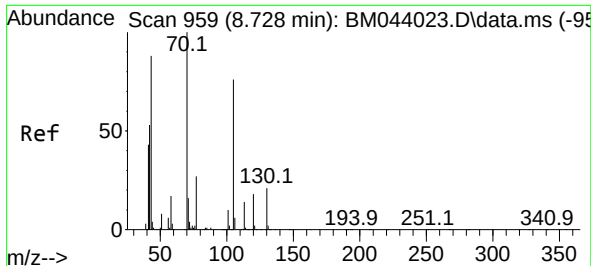
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#18
Hexachloroethane
Concen: 3.514 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

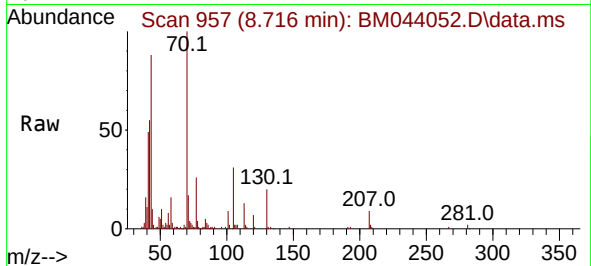
Tgt Ion:	117	Resp:	37255
Ion Ratio	Lower	Upper	
117	100		
119	96.0	75.7	113.5
201	90.9	71.5	107.3





#19
n-Nitroso-di-n-propylamine
Concen: 4.604 ng
RT: 8.716 min Scan# 910
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

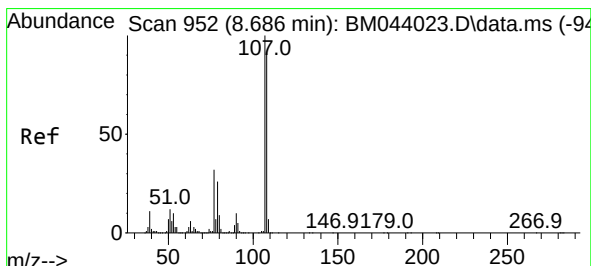
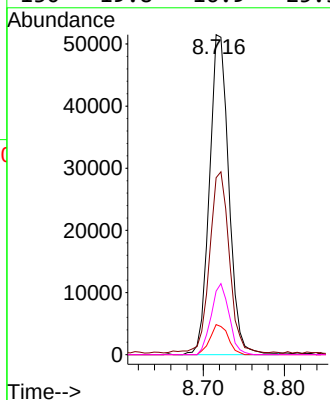
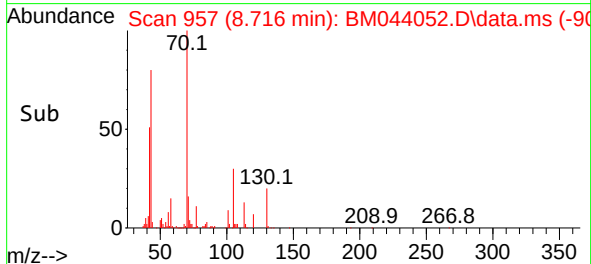
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



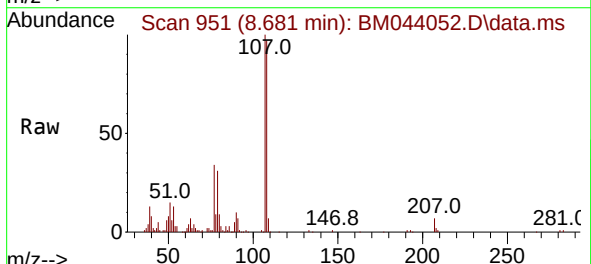
Tgt Ion: 70 Resp: 85210
Ion Ratio Lower Upper
70 100
42 55.3 42.6 64.0
101 9.4 7.8 11.6
130 19.8 16.9 25.3

Manual Integrations
APPROVED

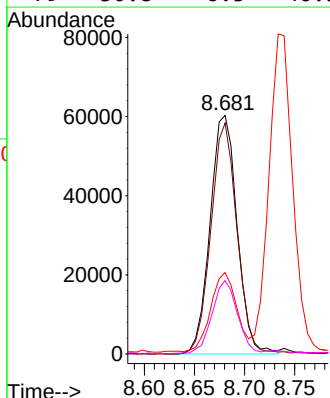
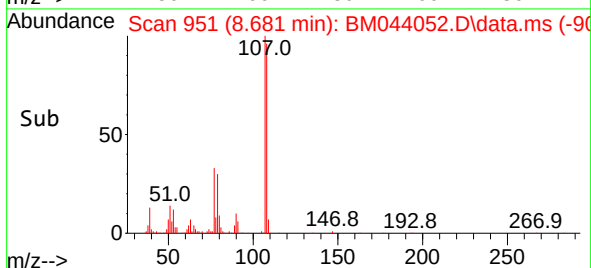
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

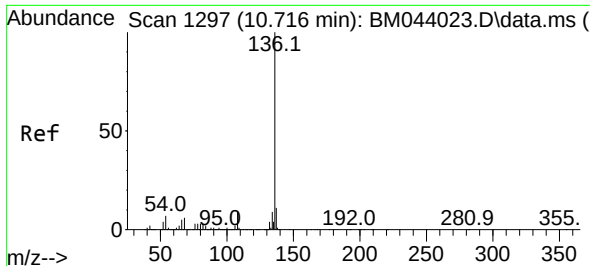


#20
3+4-Methylphenols
Concen: 4.113 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



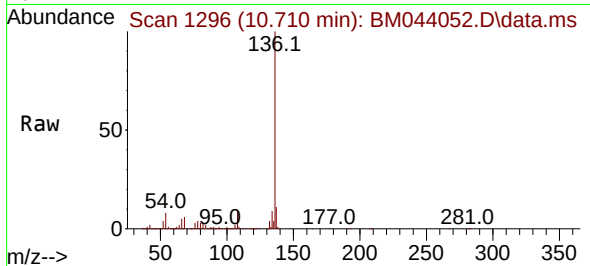
Tgt Ion:107 Resp: 113027
Ion Ratio Lower Upper
107 100
108 96.8 71.5 111.5
77 34.1 11.8 51.8
79 30.8 6.3 46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

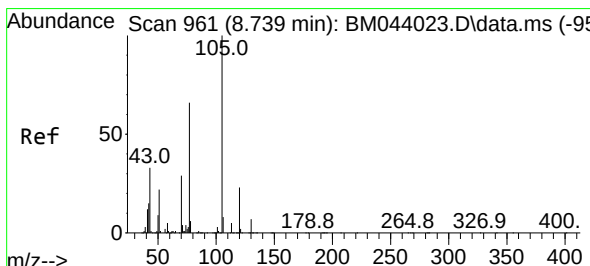
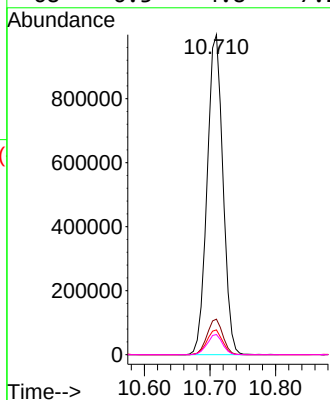
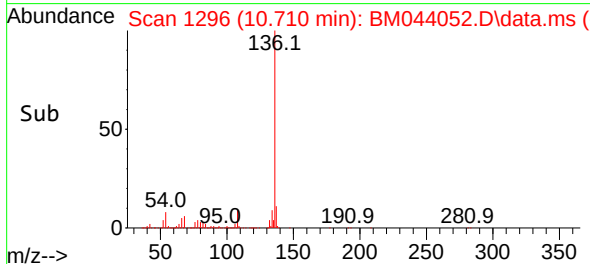
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:136 Resp: 1675474
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.7 5.9 8.9
68 6.3 4.8 7.2

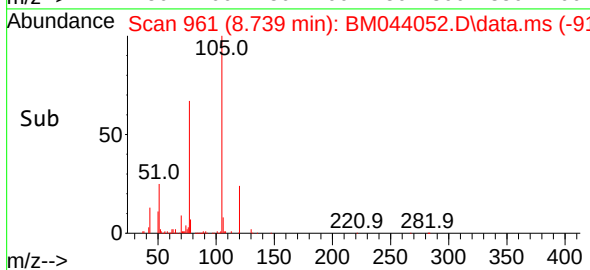
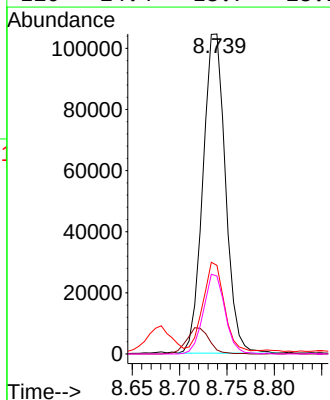
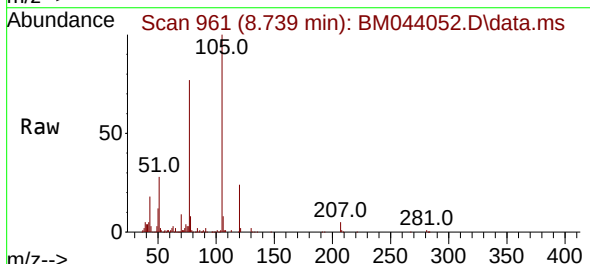
Manual Integrations
APPROVED

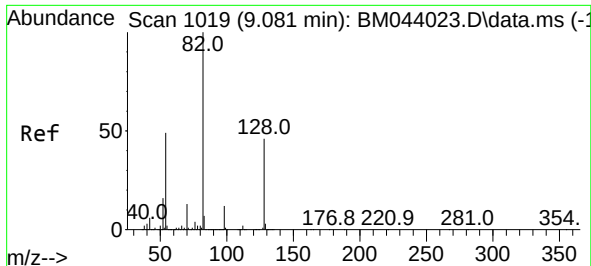
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#22
Acetophenone
Concen: 4.060 ng
RT: 8.739 min Scan# 961
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

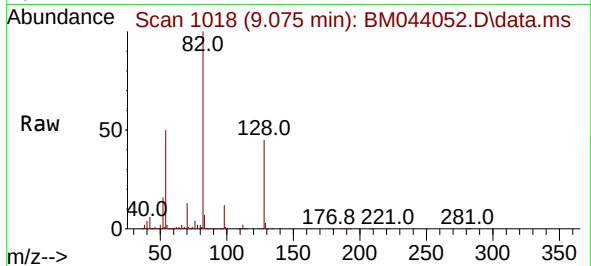
Tgt Ion:105 Resp: 172678
Ion Ratio Lower Upper
105 100
71 1.3 4.0 6.0#
51 27.7 20.1 30.1
120 24.4 18.7 28.1





#23
Nitrobenzene-d5
Concen: 81.918 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

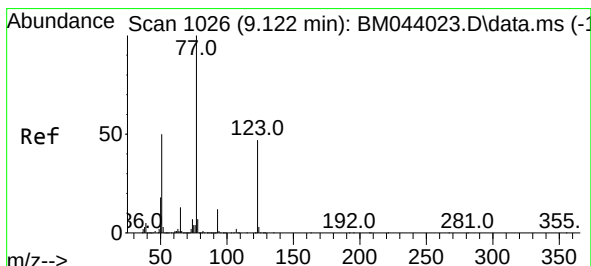
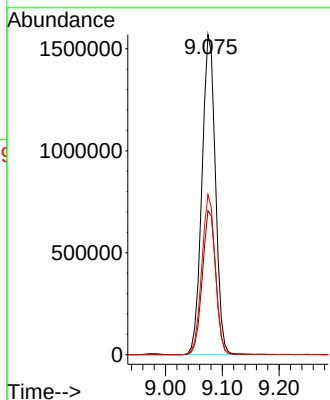
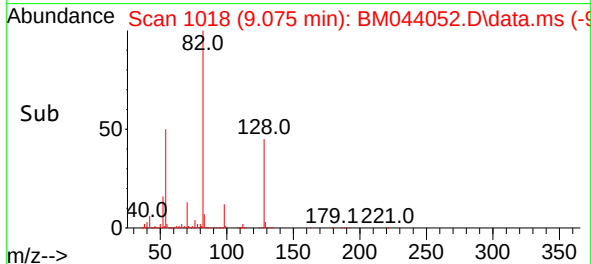
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 82 Resp: 258655
Ion Ratio Lower Upper
82 100
128 44.9 37.1 55.7
54 50.0 38.9 58.3

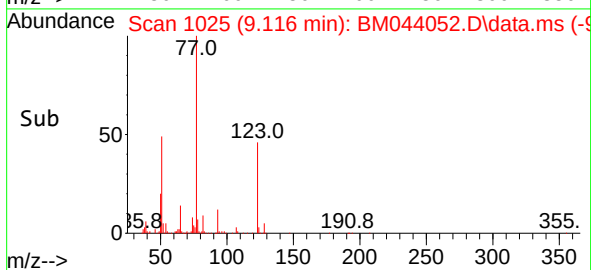
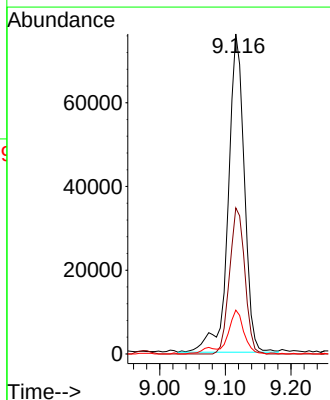
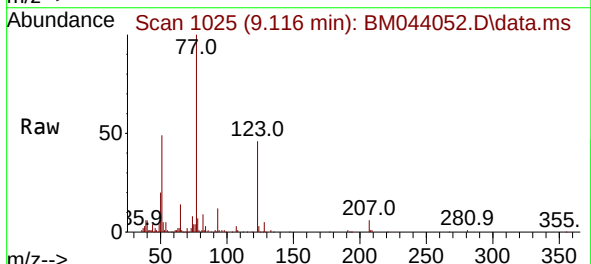
Manual Integrations
APPROVED

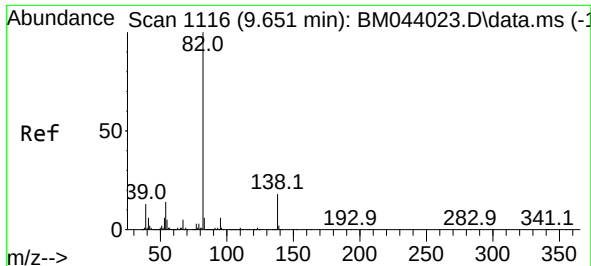
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#24
Nitrobenzene
Concen: 4.016 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

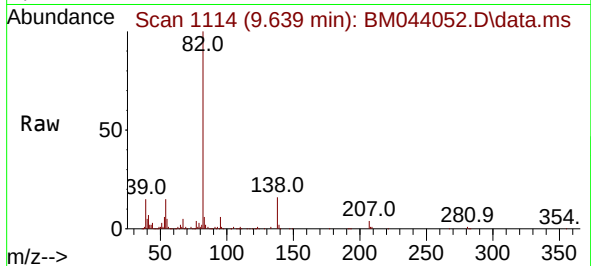
Tgt Ion: 77 Resp: 129849
Ion Ratio Lower Upper
77 100
123 45.7 37.8 56.8
65 13.7 10.5 15.7





#25
Isophorone
Concen: 3.598 ng
RT: 9.639 min Scan# 1114
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

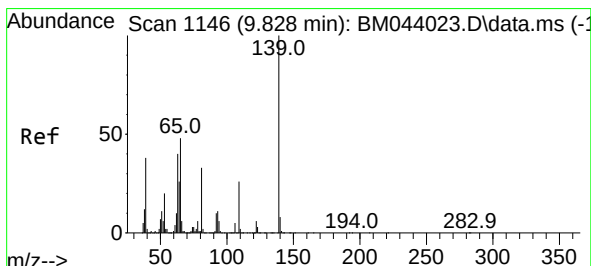
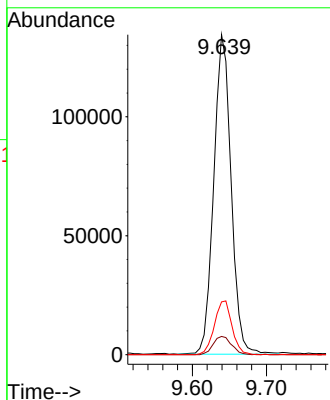
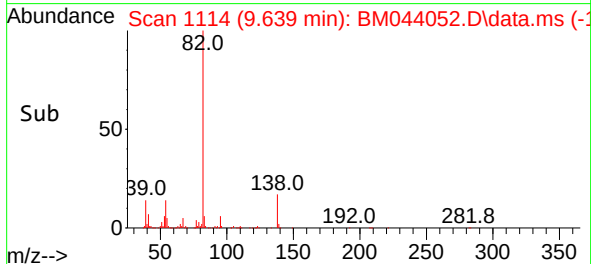
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 82 Resp: 21878
Ion Ratio Lower Upper
82 100
95 5.7 5.2 7.8
138 16.5 14.3 21.5

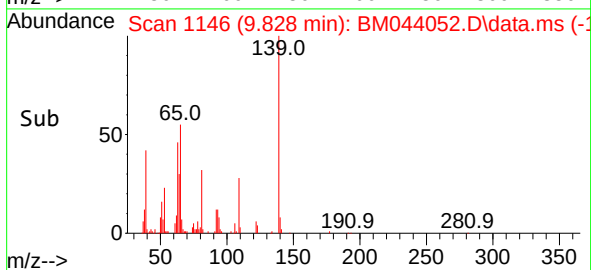
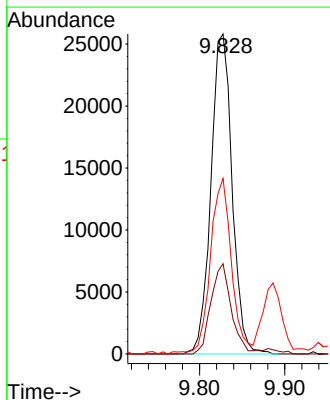
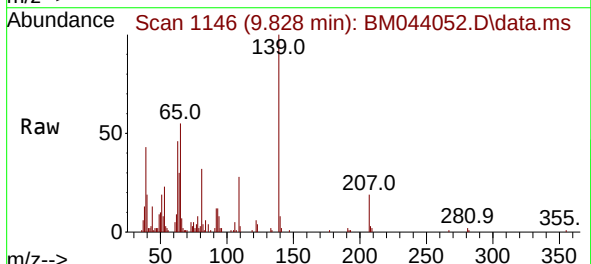
Manual Integrations
APPROVED

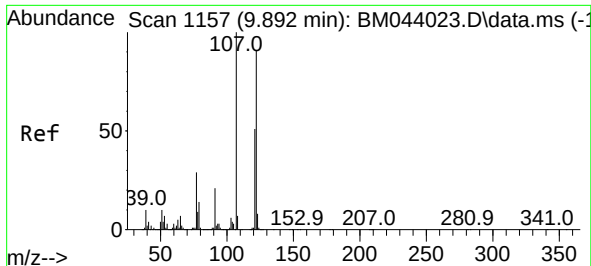
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#26
2-Nitrophenol
Concen: 2.973 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion:139 Resp: 44564
Ion Ratio Lower Upper
139 100
109 28.2 21.2 31.8
65 54.8 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 4.341 ng

RT: 9.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044052.D

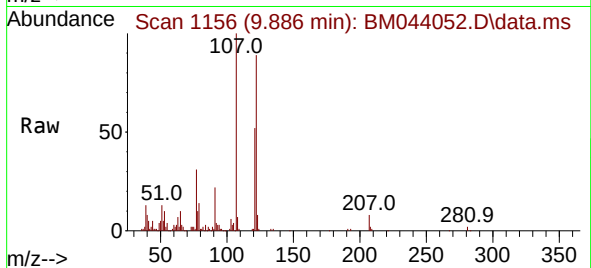
Acq: 12 Feb 2024 12:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



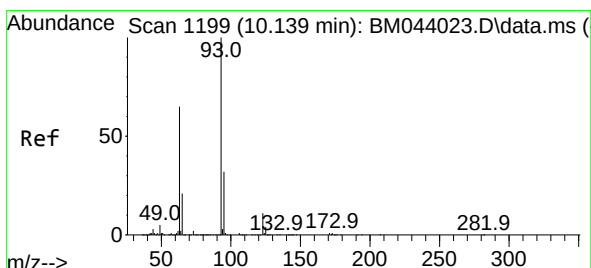
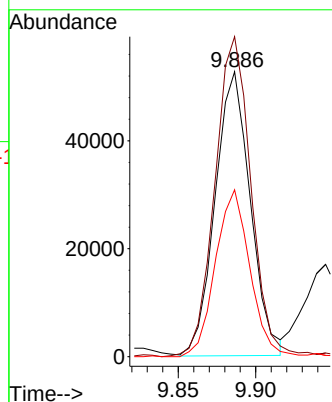
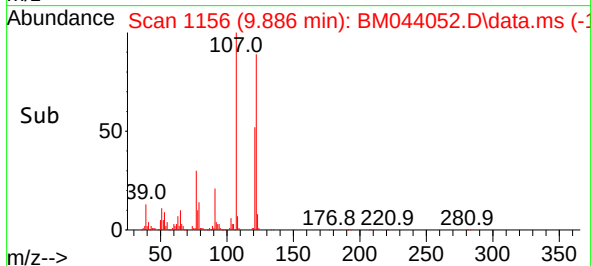
Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.3	87.8	131.8
121	58.6	44.7	67.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 3.867 ng

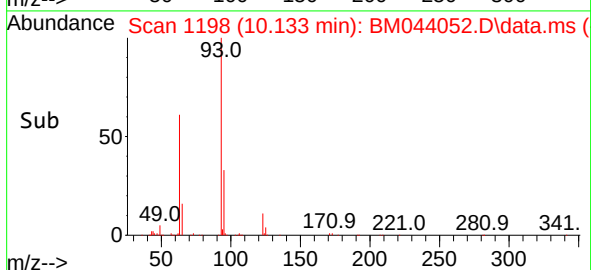
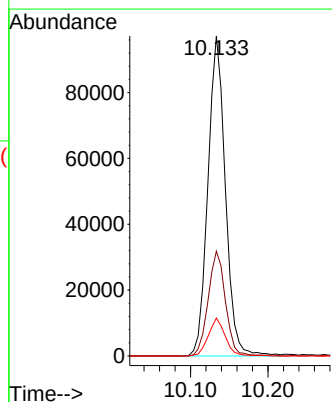
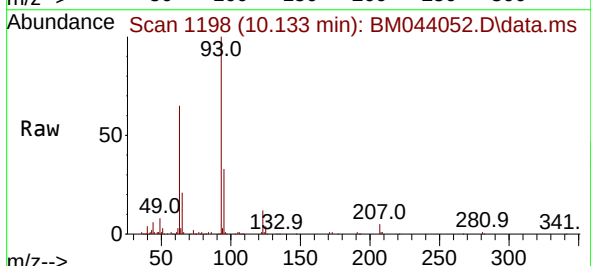
RT: 10.133 min Scan# 1198

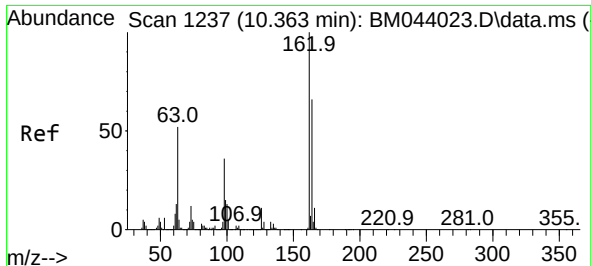
Delta R.T. -0.006 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	11.8	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 3.389 ng

RT: 10.351 min Scan# 1235

Delta R.T. -0.012 min

Lab File: BM044052.D

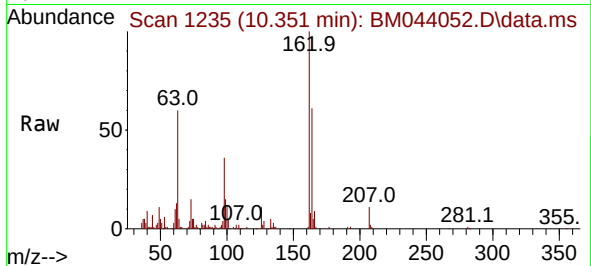
Acq: 12 Feb 2024 12:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



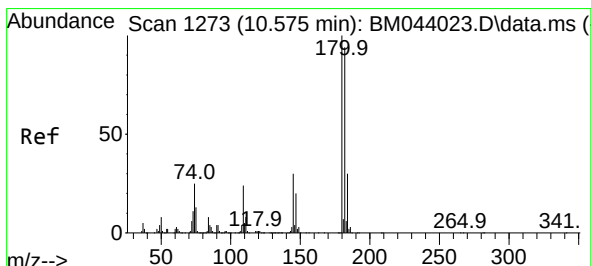
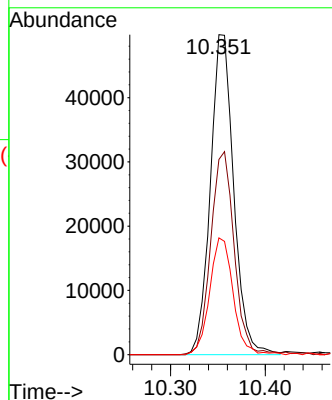
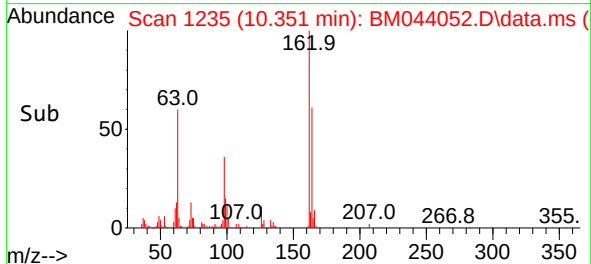
Tgt Ion:	162	Resp:	85530
Ion Ratio	Lower	Upper	
162	100		
164	61.0	46.1	86.1
98	36.5	15.9	55.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#30

1,2,4-Trichlorobenzene

Concen: 3.571 ng

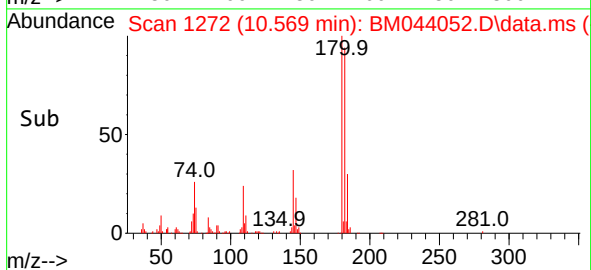
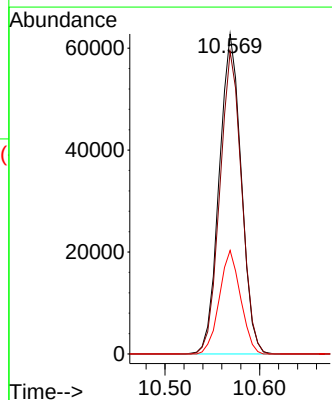
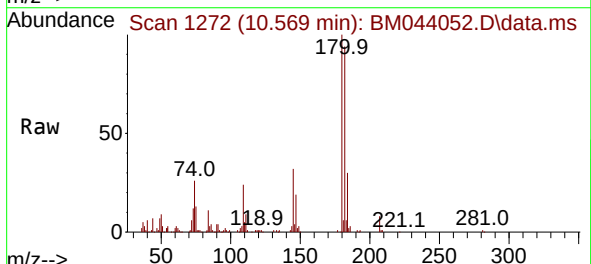
RT: 10.569 min Scan# 1272

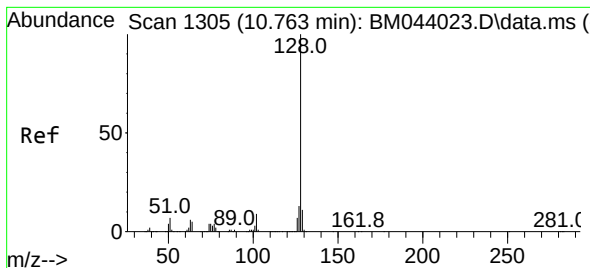
Delta R.T. -0.006 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

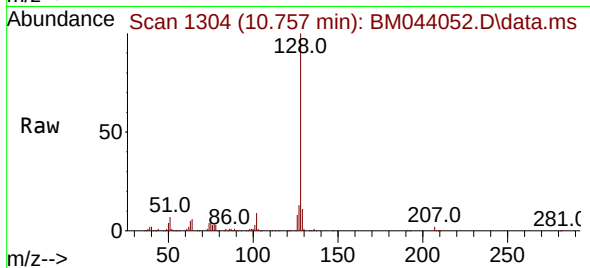
Tgt Ion:	180	Resp:	101324
Ion Ratio	Lower	Upper	
180	100		
182	94.5	75.2	112.8
145	32.3	24.3	36.5





#31
Naphthalene
Concen: 3.743 ng
RT: 10.757 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

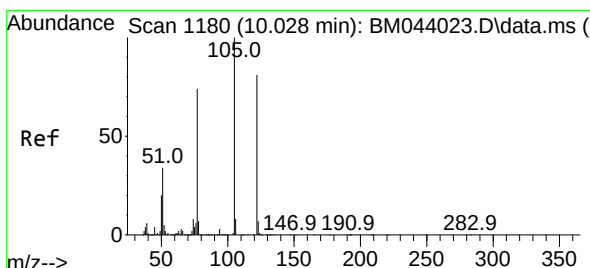
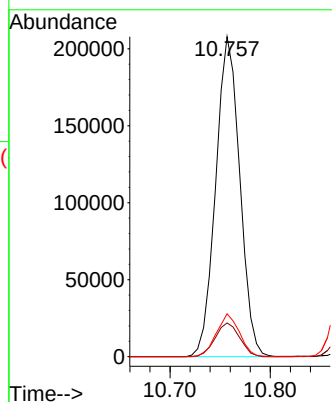
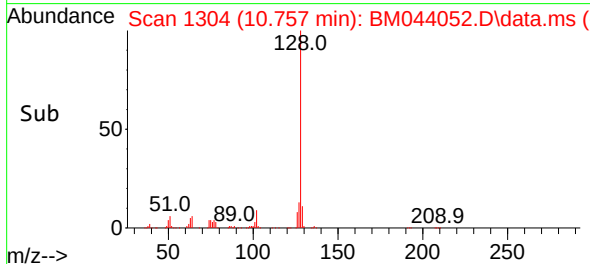
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:128 Resp: 346114
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 13.4 10.3 15.5

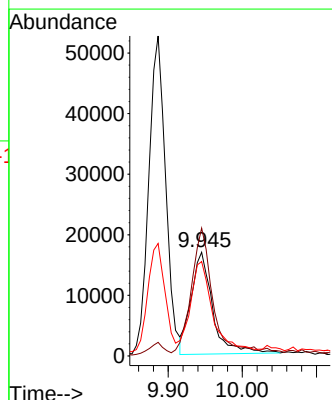
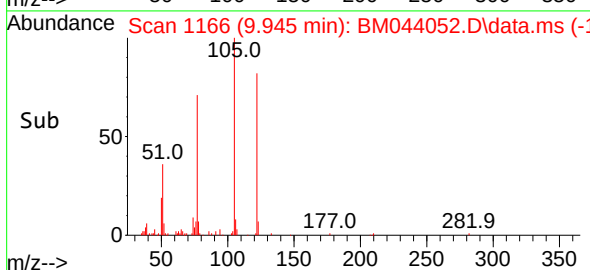
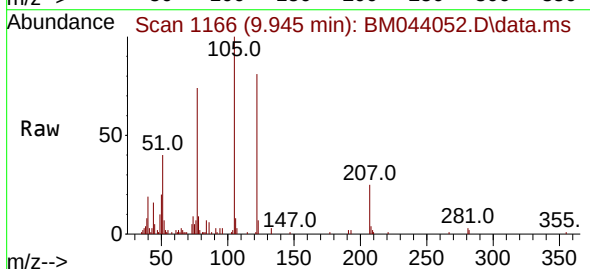
Manual Integrations
APPROVED

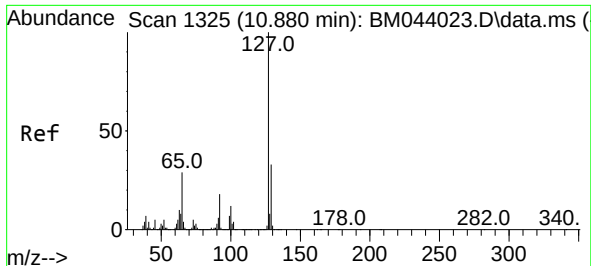
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#32
Benzoic acid
Concen: 1.766 ng
RT: 9.945 min Scan# 1166
Delta R.T. -0.083 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

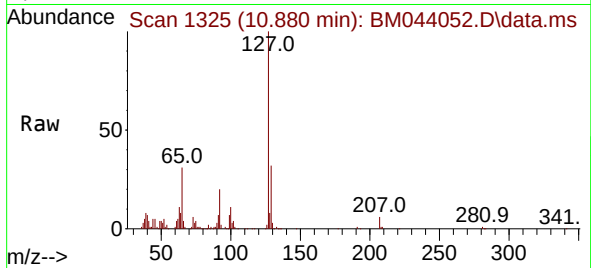
Tgt Ion:122 Resp: 34104
Ion Ratio Lower Upper
122 100
105 123.3 100.1 140.1
77 91.1 69.6 109.6





#33
4-Chloroaniline
Concen: 3.852 ng
RT: 10.880 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

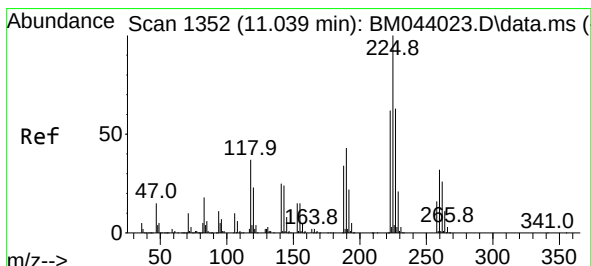
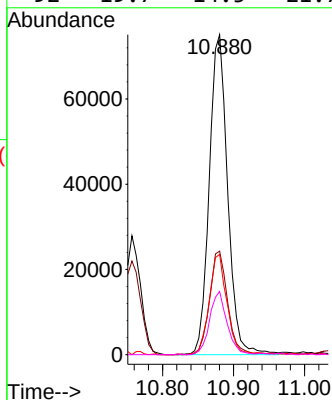
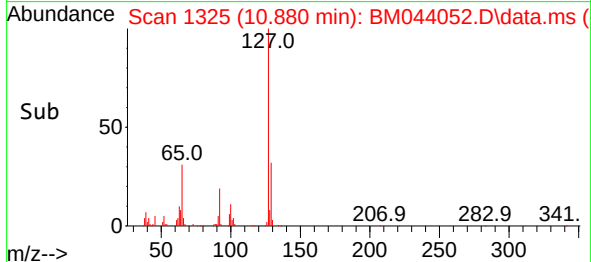


Tgt Ion:127 Resp: 134898

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	31.4	23.0	34.6
92	19.7	14.5	21.7

Manual Integrations
APPROVED

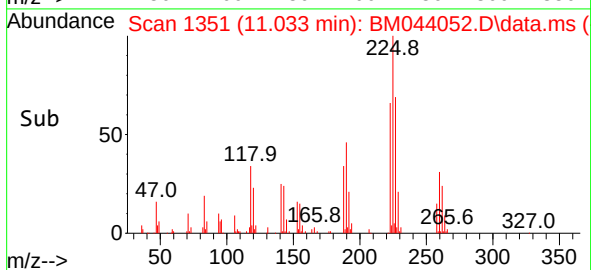
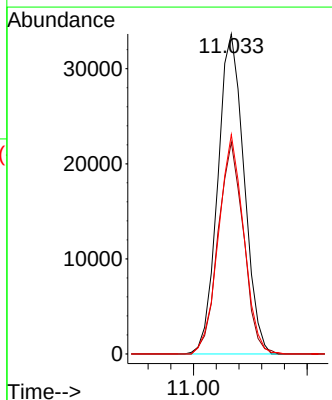
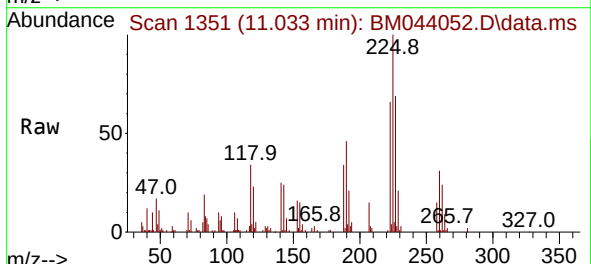
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

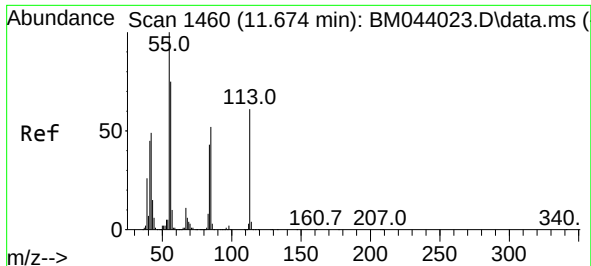


#34
Hexachlorobutadiene
Concen: 3.330 ng
RT: 11.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion:225 Resp: 54089

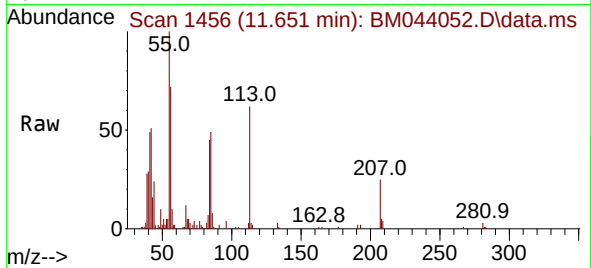
Ion	Ratio	Lower	Upper
225	100		
223	66.2	49.9	74.9
227	71.8	50.6	76.0





#35
Caprolactam
Concen: 2.892 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.024 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

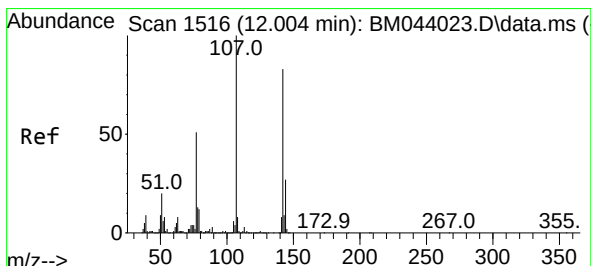
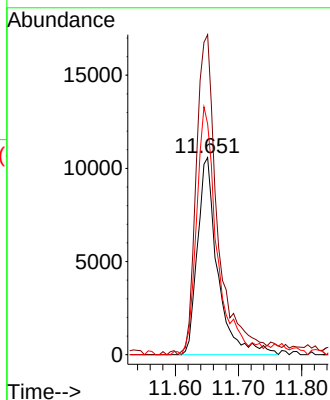
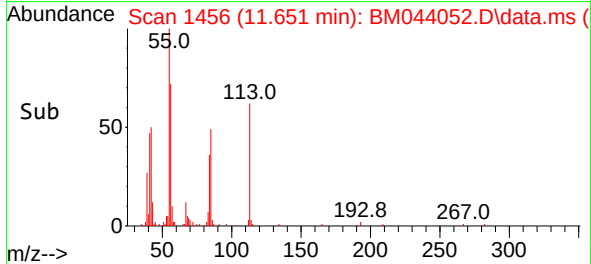
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:113 Resp: 2348
Ion Ratio Lower Upper
113 100
55 162.3 145.6 185.6
56 117.0 103.3 143.3

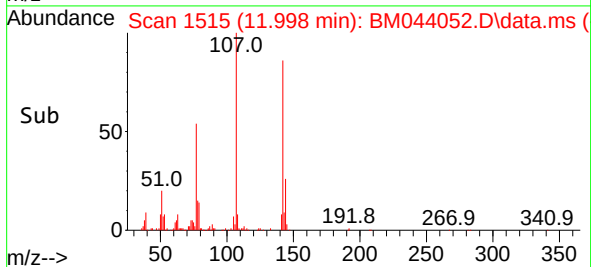
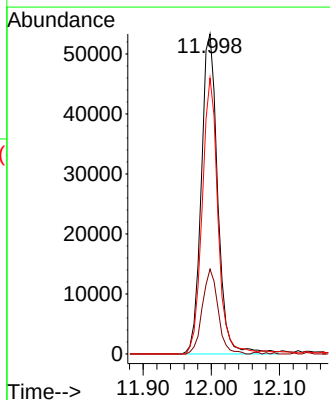
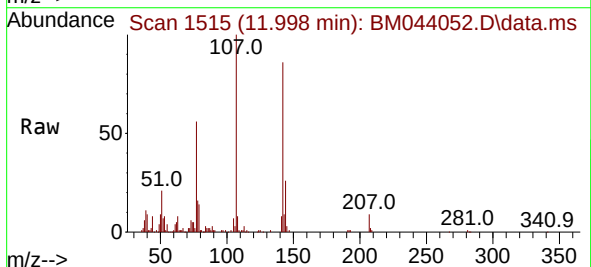
Manual Integrations
APPROVED

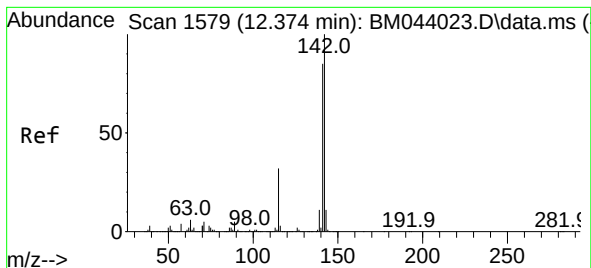
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#36
4-Chloro-3-methylphenol
Concen: 3.278 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

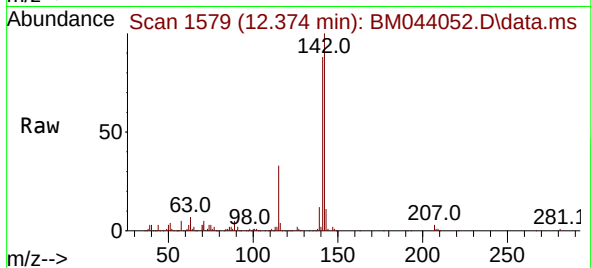
Tgt Ion:107 Resp: 89575
Ion Ratio Lower Upper
107 100
144 26.5 21.3 31.9
142 86.3 66.2 99.4





#37
2-Methylnaphthalene
Concen: 3.685 ng
RT: 12.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

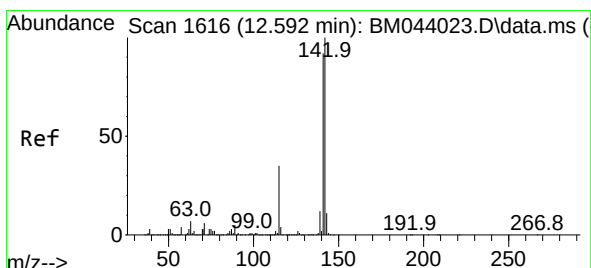
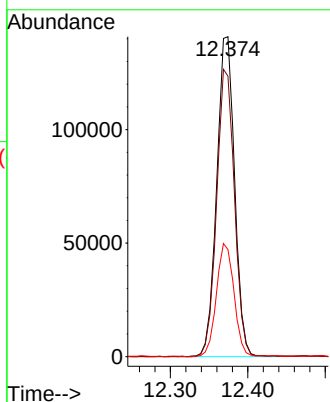
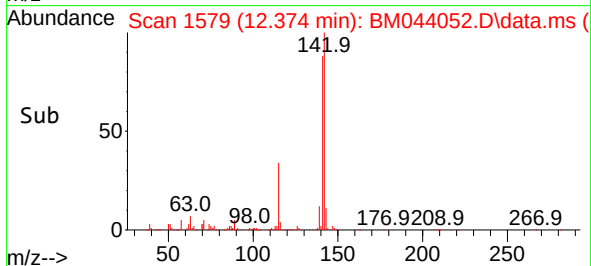
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



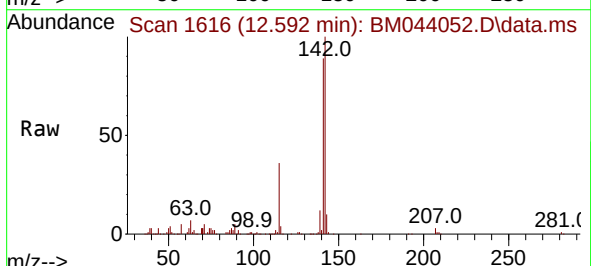
Tgt Ion:142 Resp: 226978
Ion Ratio Lower Upper
142 100
141 87.7 68.3 102.5
115 33.4 25.7 38.5

Manual Integrations
APPROVED

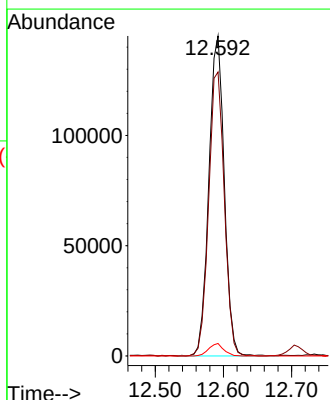
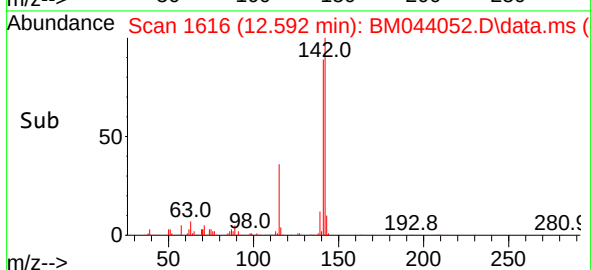
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

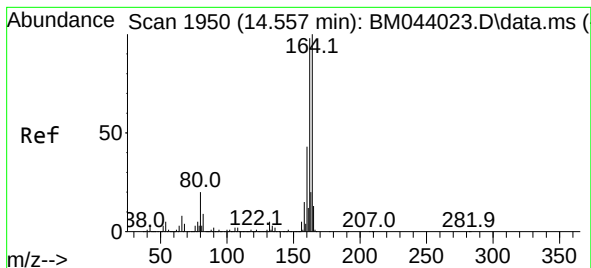


#38
1-Methylnaphthalene
Concen: 3.772 ng
RT: 12.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



Tgt Ion:142 Resp: 228330
Ion Ratio Lower Upper
142 100
141 88.7 73.4 110.0
116 3.9 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.551 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BM044052.D

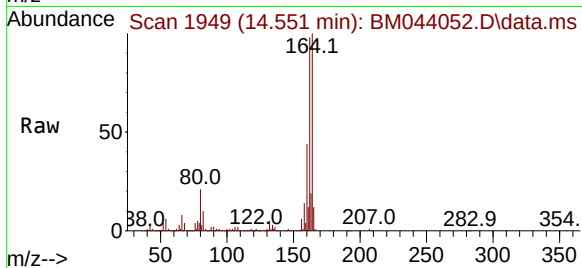
Acq: 12 Feb 2024 12:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:164 Resp: 101339

Ion Ratio Lower Upper

164 100

162 98.0 78.4 117.6

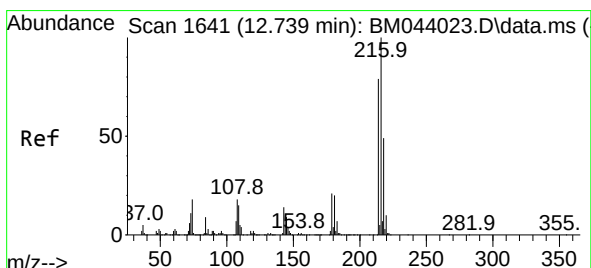
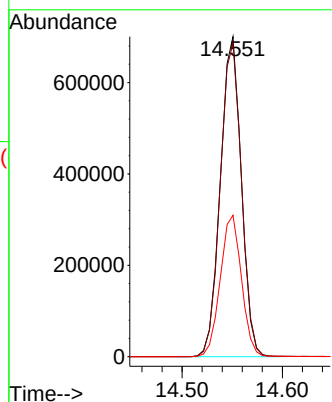
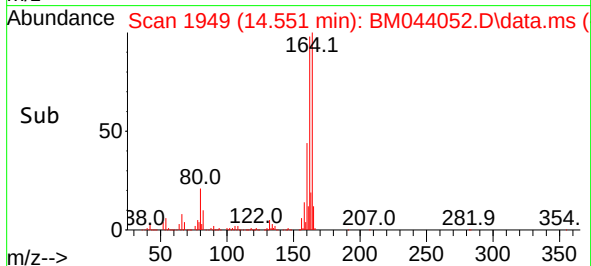
160 44.2 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.796 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

Tgt Ion:216 Resp: 111812

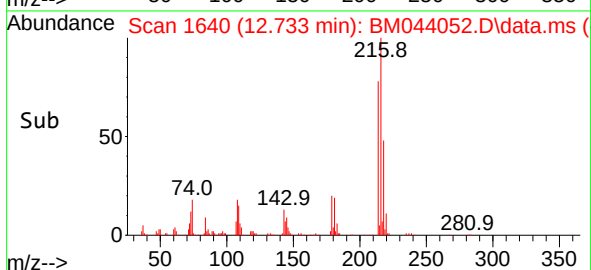
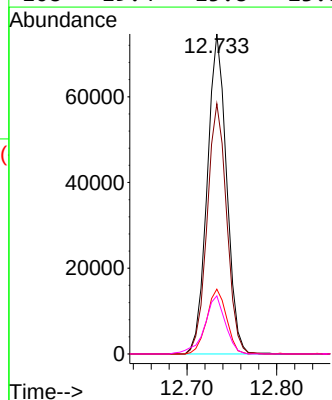
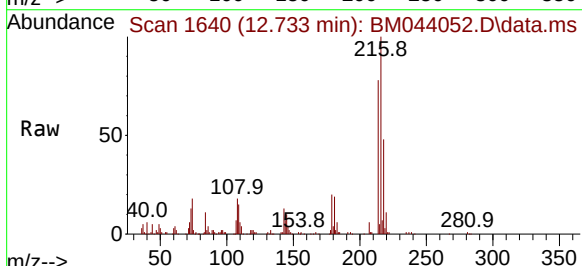
Ion Ratio Lower Upper

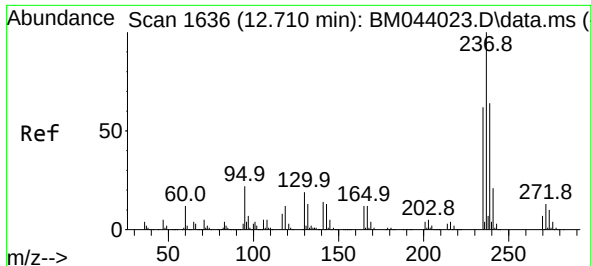
216 100

214 78.8 63.1 94.7

179 20.8 17.0 25.6

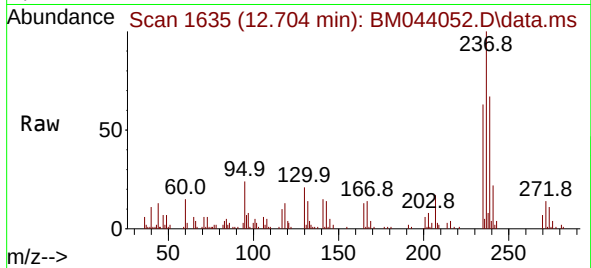
108 19.4 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 3.941 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

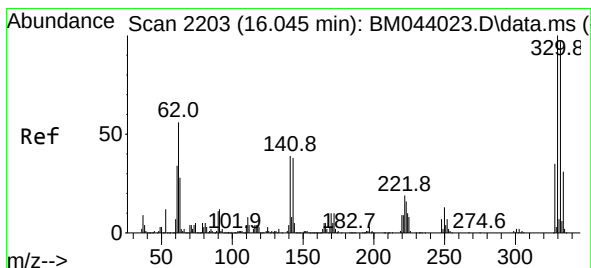
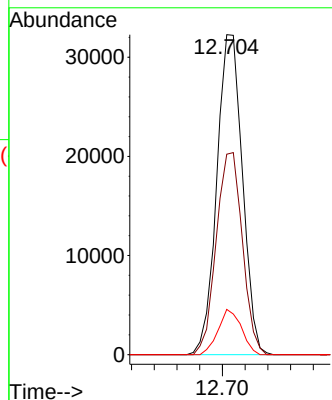
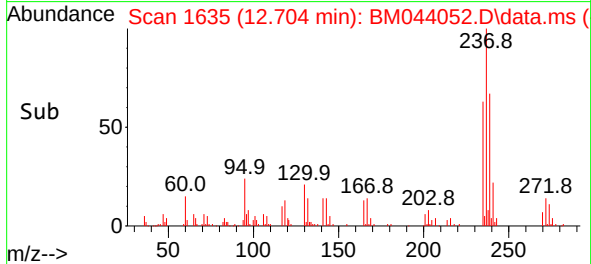
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



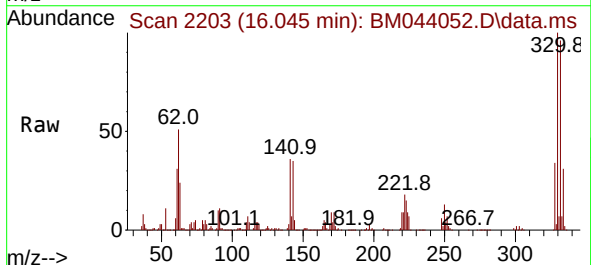
Tgt Ion:237 Resp: 5066
Ion Ratio Lower Upper
237 100
235 62.6 42.4 82.4
272 14.1 0.0 33.3

Manual Integrations
APPROVED

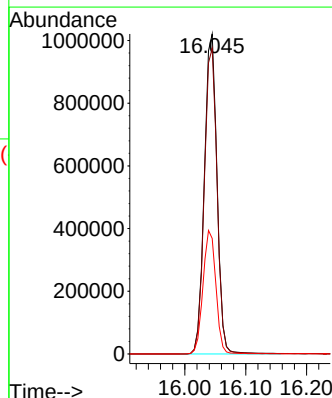
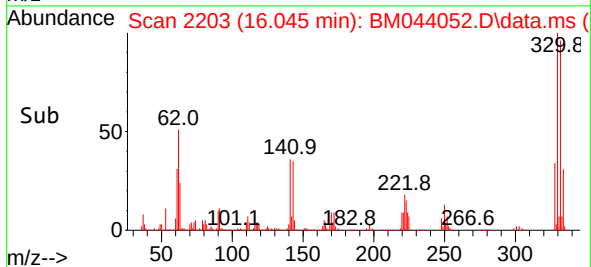
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

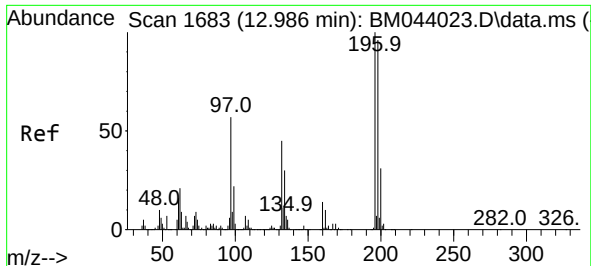


#42
2,4,6-Tribromophenol
Concen: 134.648 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



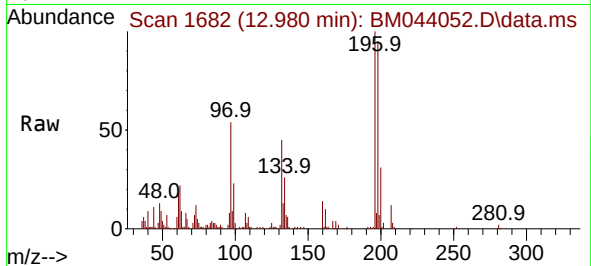
Tgt Ion:330 Resp: 1477409
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 39.4 31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 3.026 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

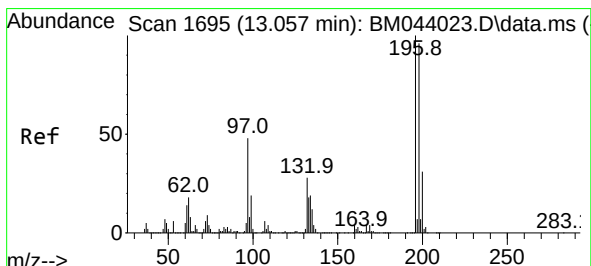
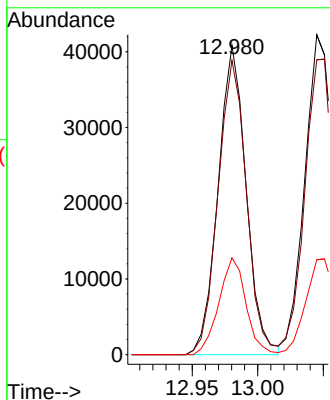
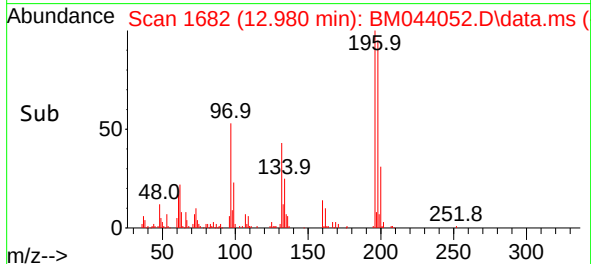
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



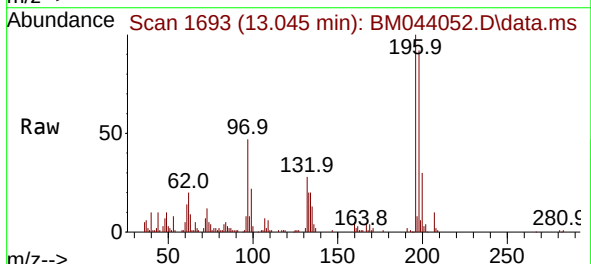
Tgt Ion:196 Resp: 60664
Ion Ratio Lower Upper
196 100
198 95.1 76.8 115.2
200 31.3 24.6 37.0

Manual Integrations
APPROVED

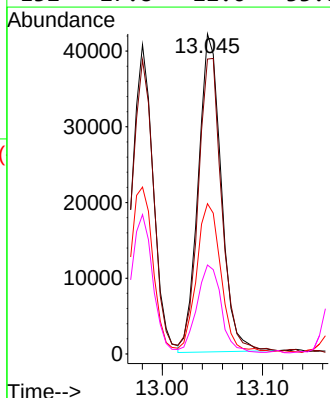
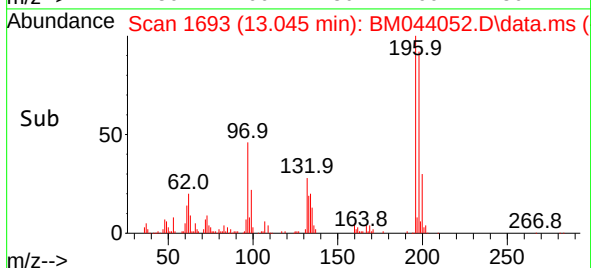
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

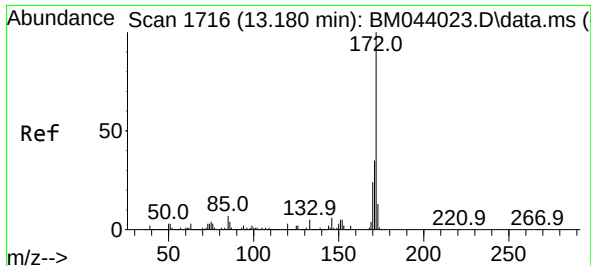


#44
2,4,5-Trichlorophenol
Concen: 3.046 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



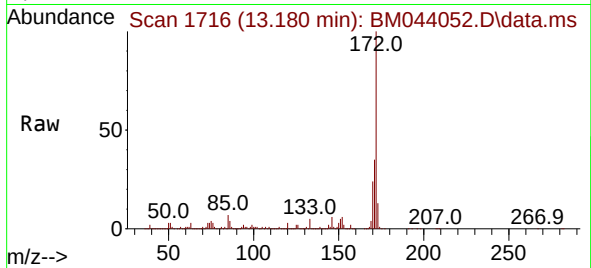
Tgt Ion:196 Resp: 67020
Ion Ratio Lower Upper
196 100
198 92.1 76.9 115.3
97 46.9 39.0 58.4
132 27.8 22.6 33.8





#45
2-Fluorobiphenyl
Concen: 80.443 ng
RT: 13.180 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

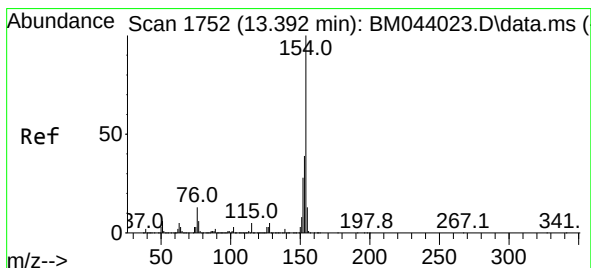
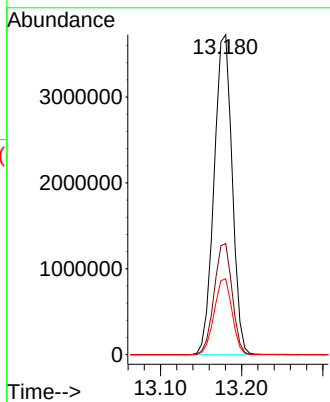
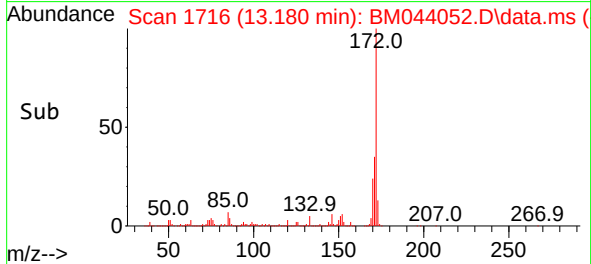
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



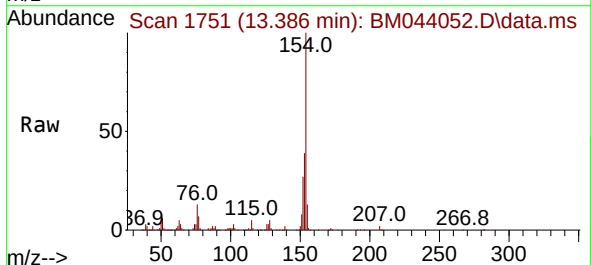
Tgt Ion:172 Resp: 5776208
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.7 19.0 28.4

Manual Integrations
APPROVED

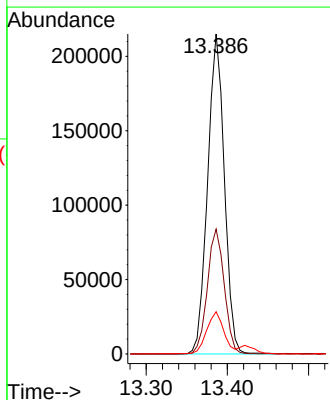
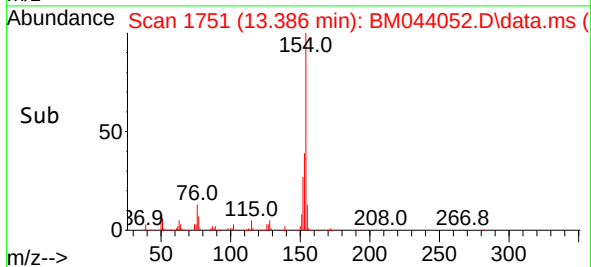
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

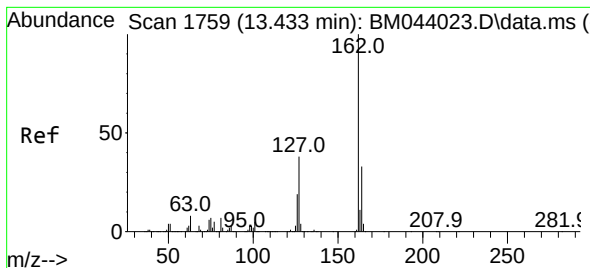


#46
1,1'-Biphenyl
Concen: 3.842 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



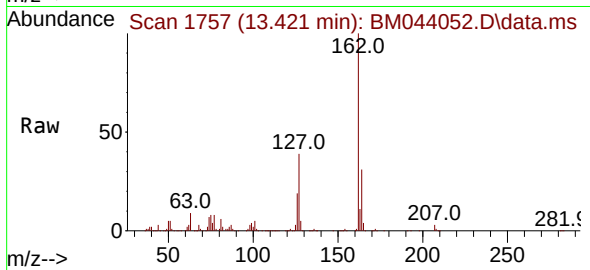
Tgt Ion:154 Resp: 307239
Ion Ratio Lower Upper
154 100
153 39.0 19.4 59.4
76 13.2 0.0 32.9





#47
2-Chloronaphthalene
Concen: 3.703 ng
RT: 13.421 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

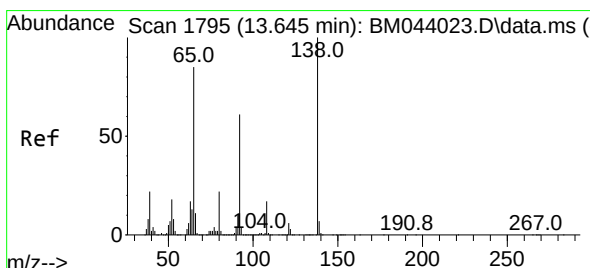
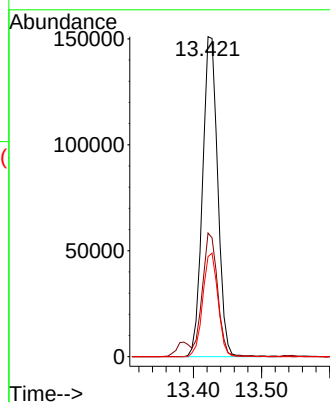
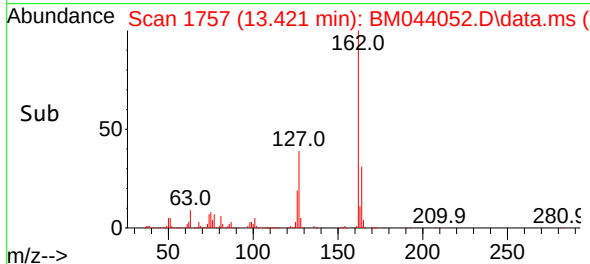
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:162 Resp: 234550
Ion Ratio Lower Upper
162 100
127 38.6 30.9 46.3
164 31.2 26.4 39.6

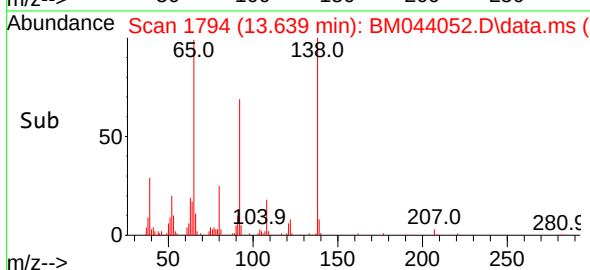
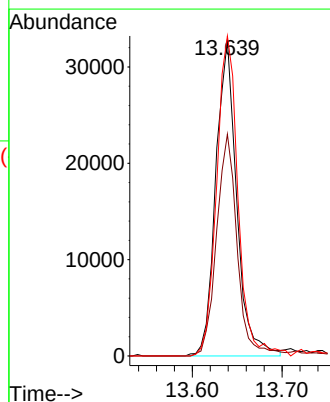
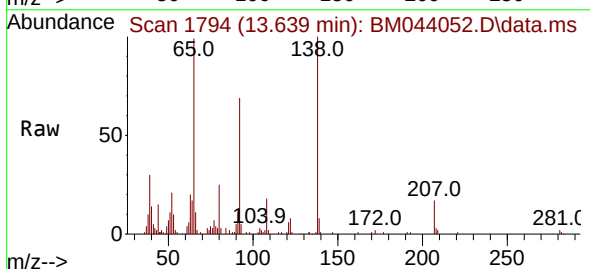
Manual Integrations
APPROVED

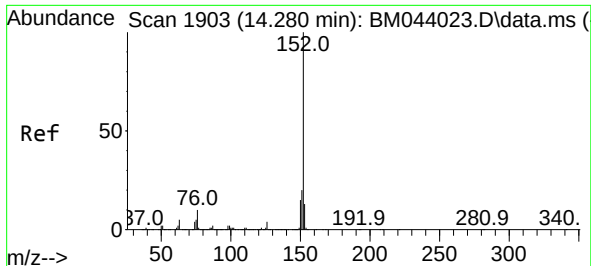
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#48
2-Nitroaniline
Concen: 2.974 ng
RT: 13.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

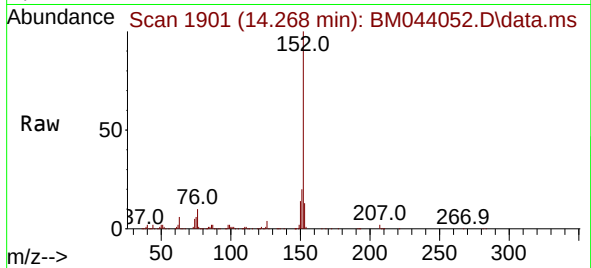
Tgt Ion: 65 Resp: 53002
Ion Ratio Lower Upper
65 100
92 70.1 58.1 87.1
138 101.1 94.6 142.0





#49
Acenaphthylene
Concen: 3.895 ng
RT: 14.268 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

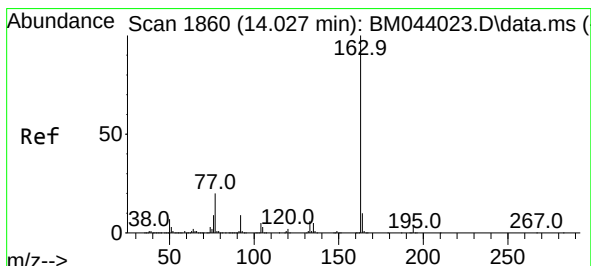
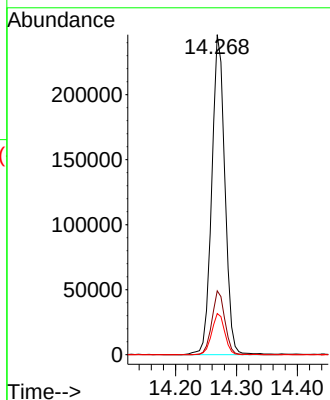
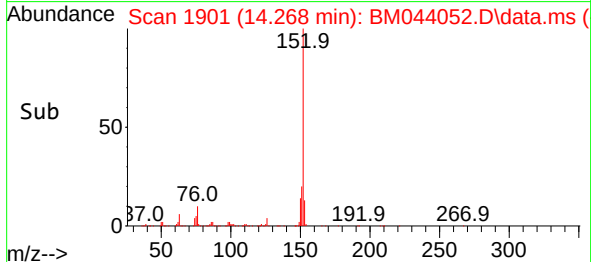
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



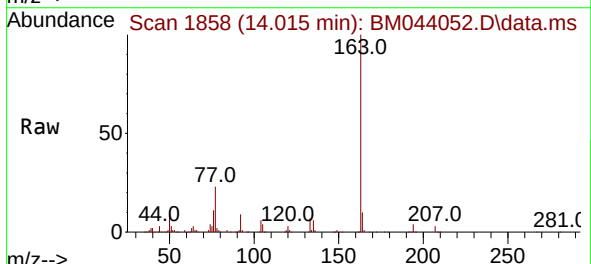
Tgt Ion:152 Resp: 368079
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.6
153 12.9 10.5 15.7

Manual Integrations
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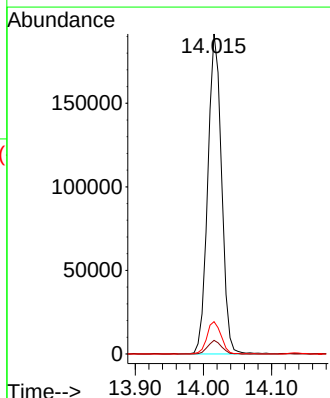
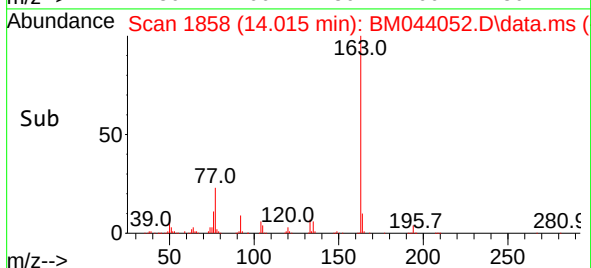
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

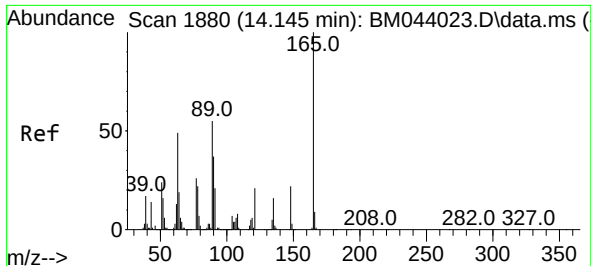


#50
Dimethylphthalate
Concen: 3.588 ng
RT: 14.015 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



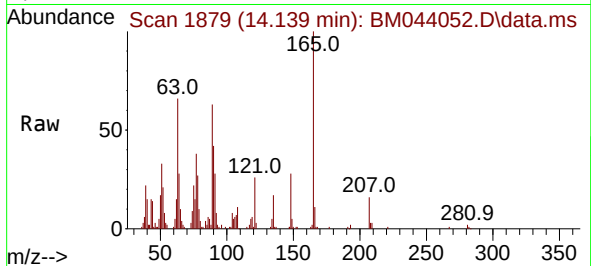
Tgt Ion:163 Resp: 269632
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 2.861 ng
RT: 14.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

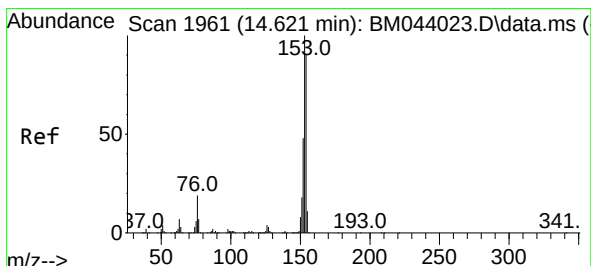
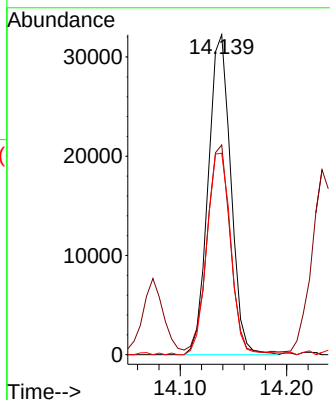
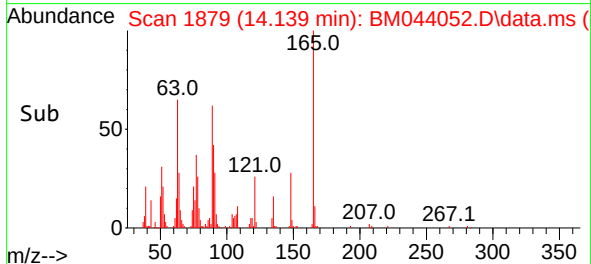
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



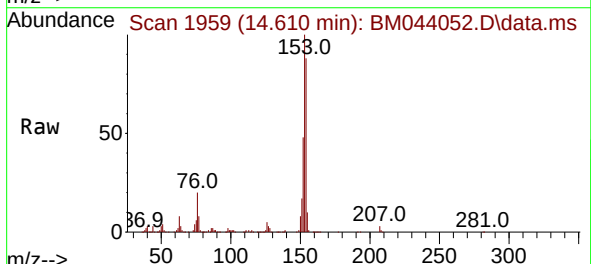
Tgt Ion:165 Resp: 4743
Ion Ratio Lower Upper
165 100
63 65.6 43.5 65.3
89 62.9 44.4 66.6

Manual Integrations
APPROVED

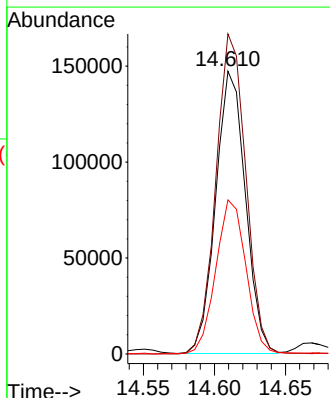
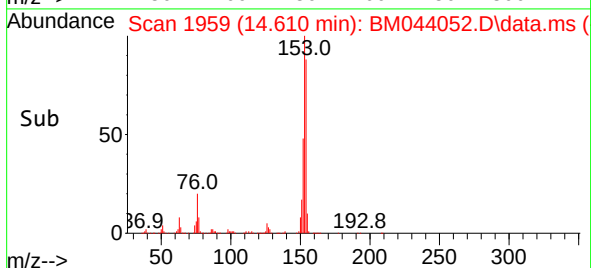
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

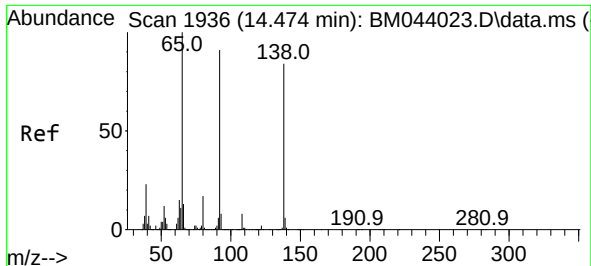


#52
Acenaphthene
Concen: 3.667 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



Tgt Ion:154 Resp: 214490
Ion Ratio Lower Upper
154 100
153 113.2 89.3 133.9
152 54.5 43.0 64.6





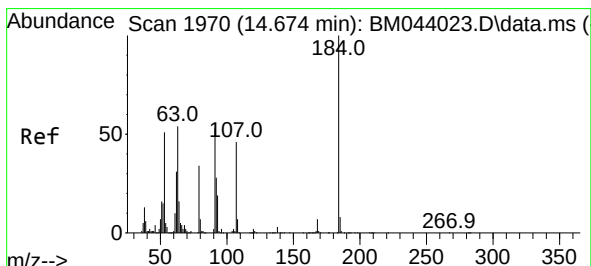
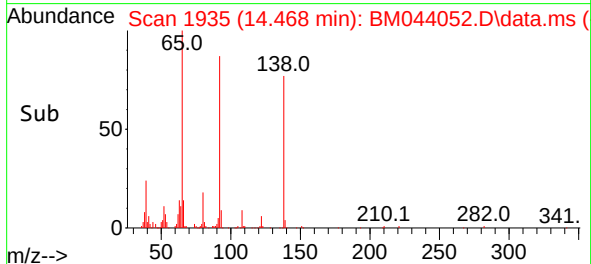
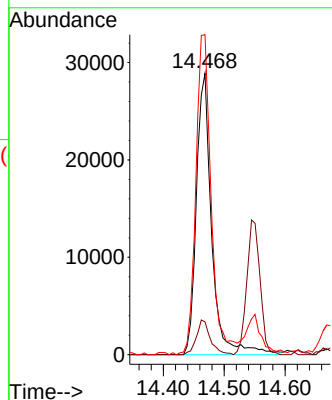
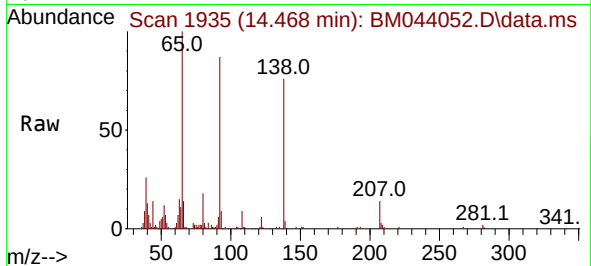
#53
3-Nitroaniline
Concen: 2.832 ng
RT: 14.468 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:138 Resp: 50449
Ion Ratio Lower Upper
138 100
108 11.7 7.6 11.4
92 113.7 86.5 129.7

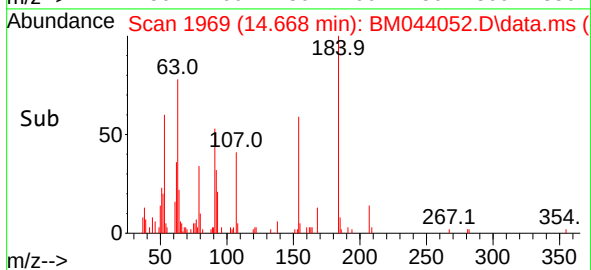
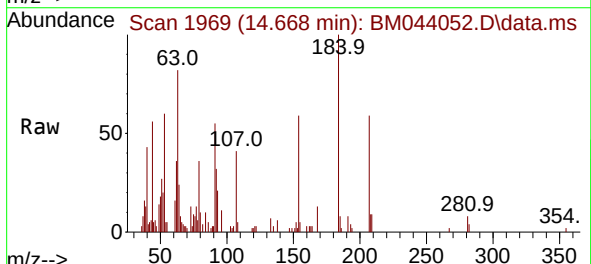
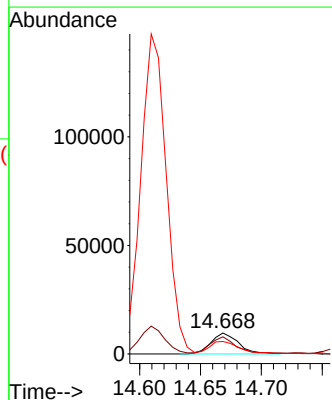
Manual Integrations
APPROVED

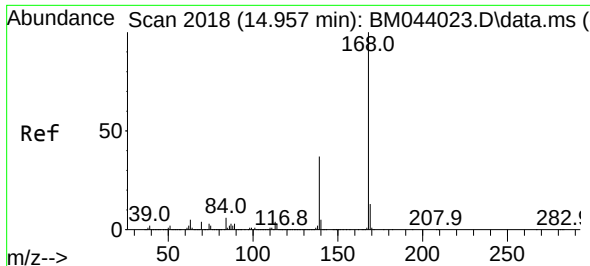
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#54
2,4-Dinitrophenol
Concen: 7.005 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

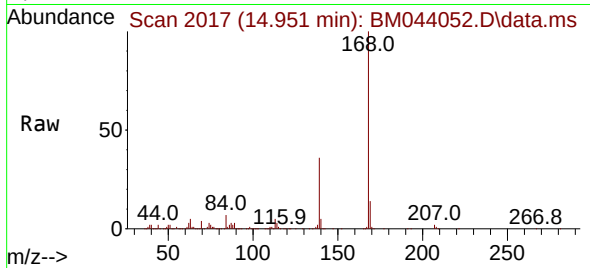
Tgt Ion:184 Resp: 15159
Ion Ratio Lower Upper
184 100
63 81.6 55.4 83.2
154 59.5 49.2 73.8





#55
Dibenzenofuran
Concen: 3.904 ng
RT: 14.951 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

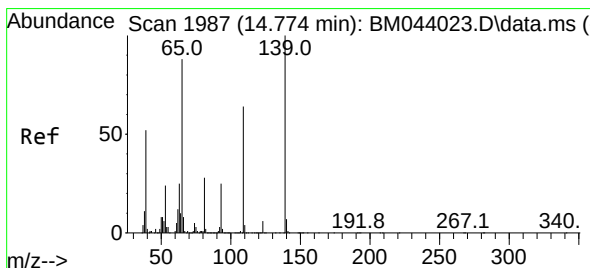
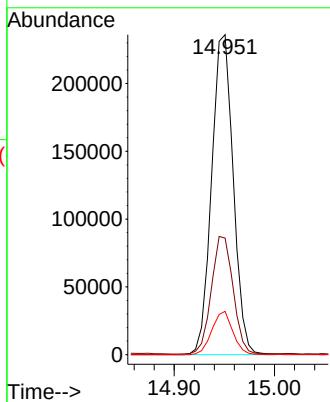
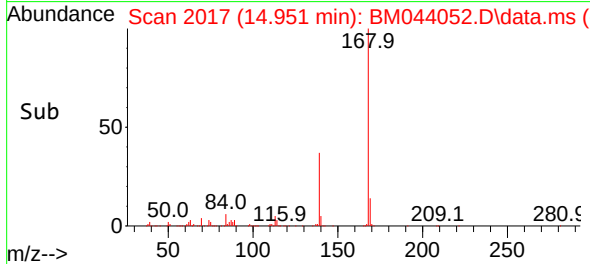
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



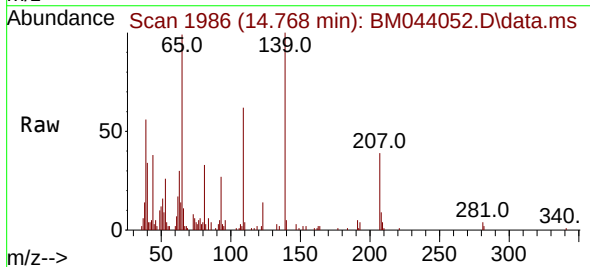
Tgt Ion:168 Resp: 353404
Ion Ratio Lower Upper
168 100
139 36.5 29.6 44.4
169 13.5 10.5 15.7

Manual Integrations
APPROVED

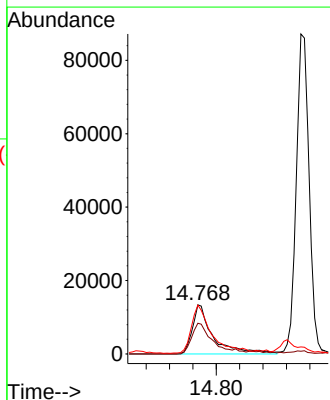
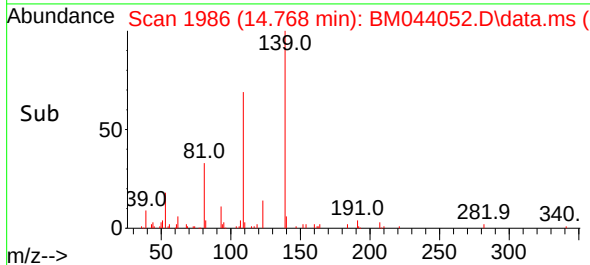
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

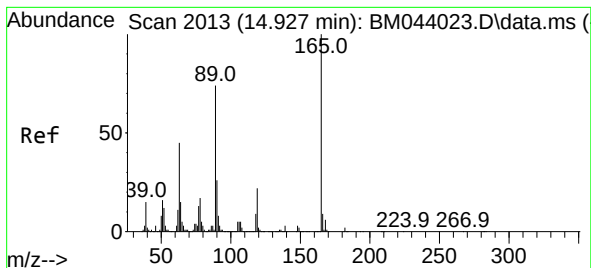


#56
4-Nitrophenol
Concen: 2.268 ng m
RT: 14.768 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



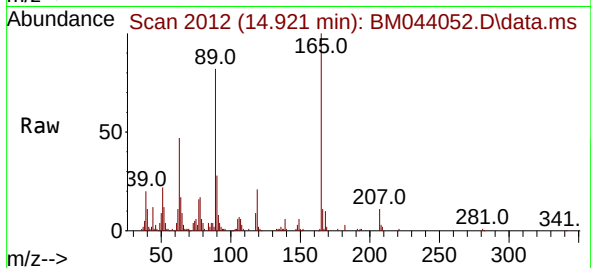
Tgt Ion:139 Resp: 32850
Ion Ratio Lower Upper
139 100
109 62.3 43.8 83.8
65 99.2 67.7 107.7





#57
2,4-Dinitrotoluene
Concen: 2.698 ng
RT: 14.921 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

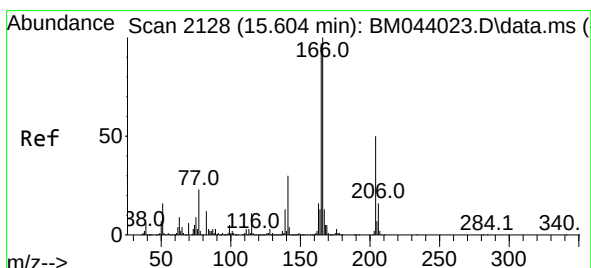
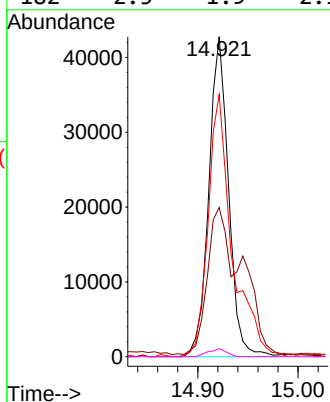
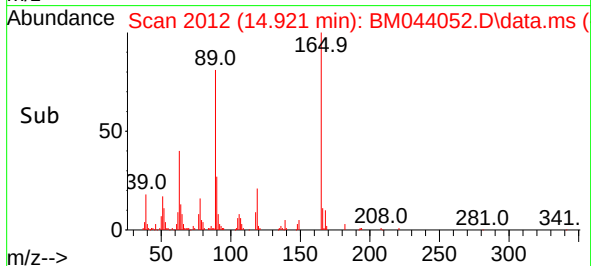
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:165 Resp: 58452
Ion Ratio Lower Upper
165 100
63 46.6 35.9 53.9
89 81.9 58.9 88.3
182 2.5 1.9 2.9

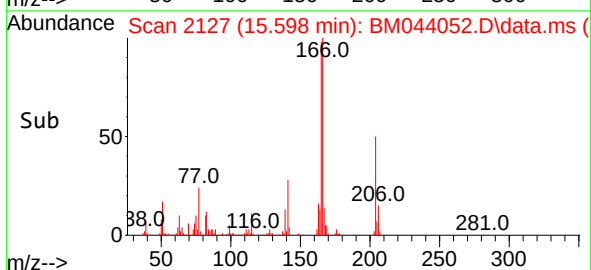
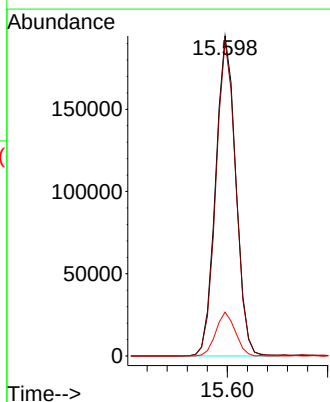
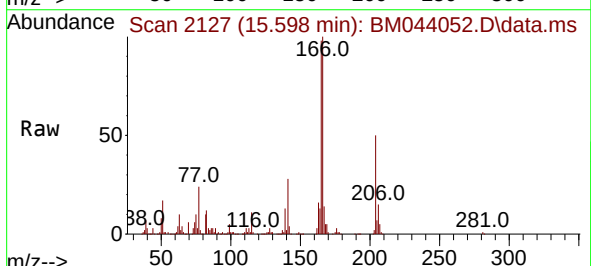
Manual Integrations
APPROVED

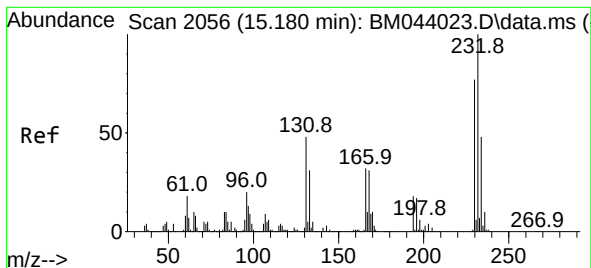
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#58
Fluorene
Concen: 3.889 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

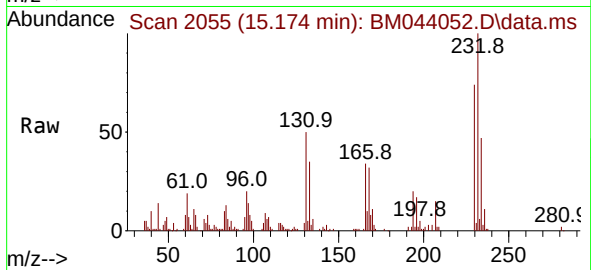
Tgt Ion:166 Resp: 272052
Ion Ratio Lower Upper
166 100
165 98.5 77.7 116.5
167 13.7 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.327 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

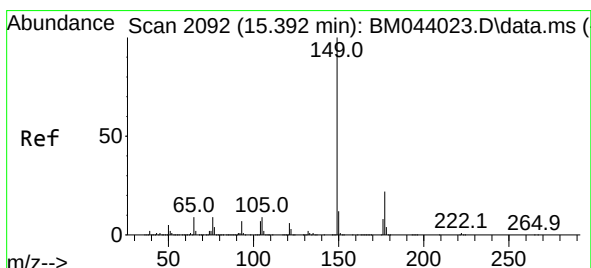
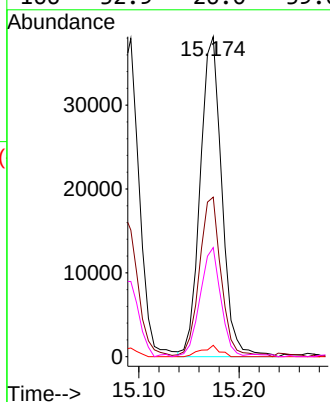
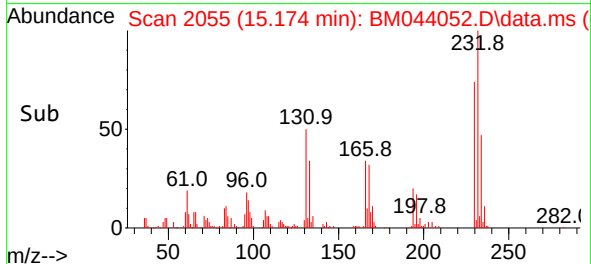
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



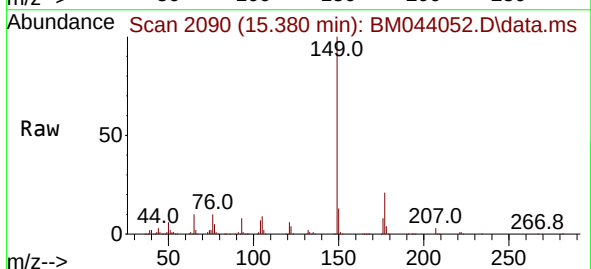
Tgt Ion:232 Resp: 57428
Ion Ratio Lower Upper
232 100
131 50.3 39.5 59.3
130 3.0 2.0 3.0
166 32.9 26.0 39.0

Manual Integrations
APPROVED

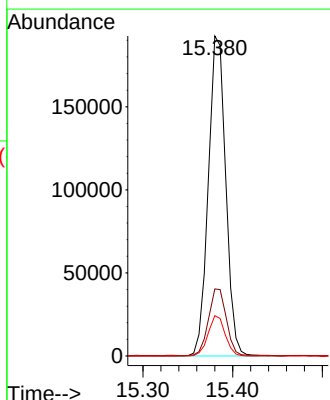
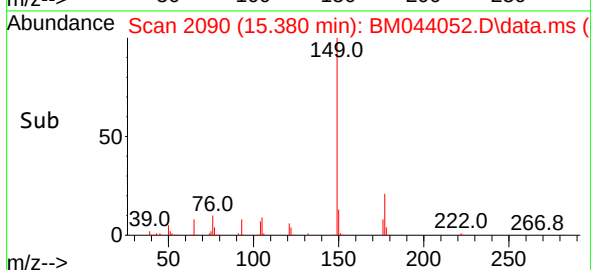
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

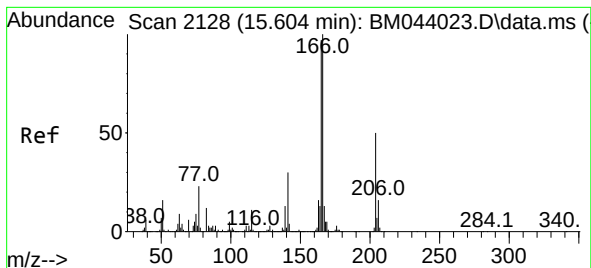


#60
Diethylphthalate
Concen: 3.347 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



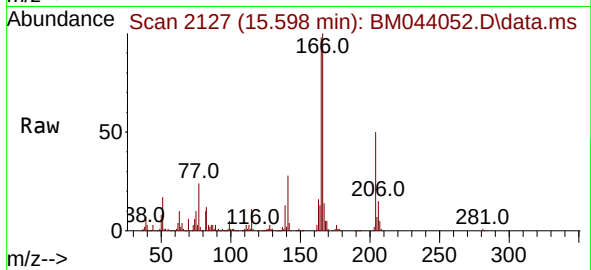
Tgt Ion:149 Resp: 259883
Ion Ratio Lower Upper
149 100
177 21.0 17.5 26.3
150 12.6 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 3.917 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

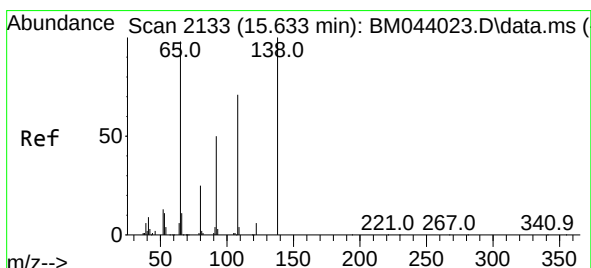
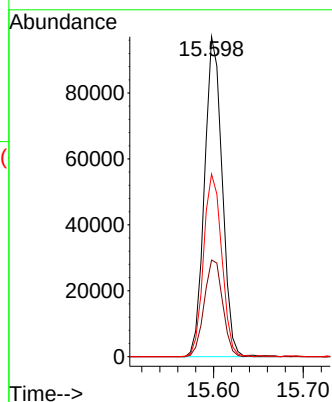
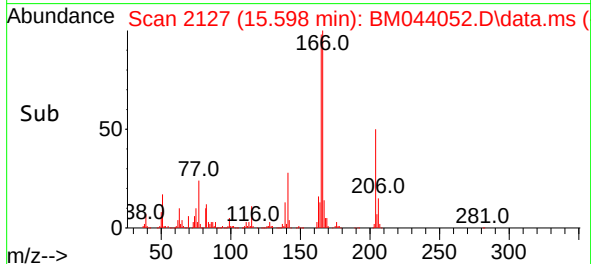
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:204 Resp: 13276
Ion Ratio Lower Upper
204 100
206 30.2 26.3 39.5
141 57.0 47.7 71.5

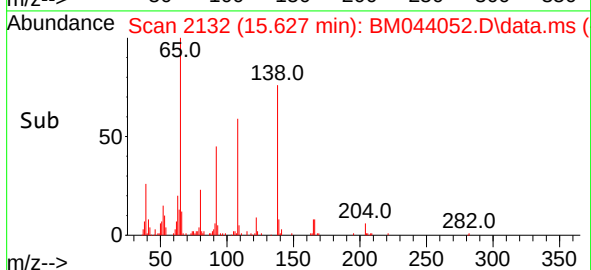
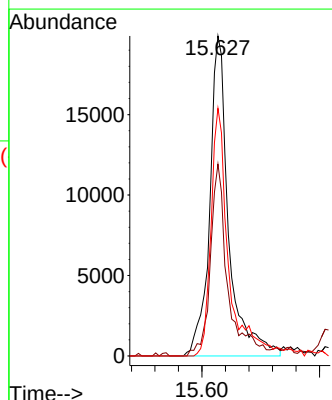
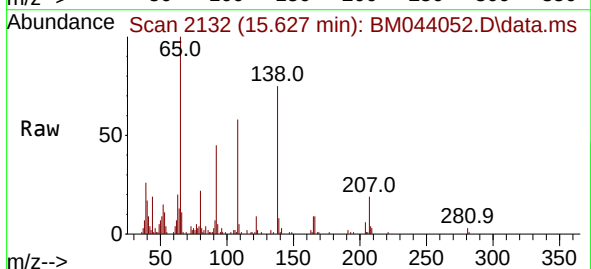
Manual Integrations
APPROVED

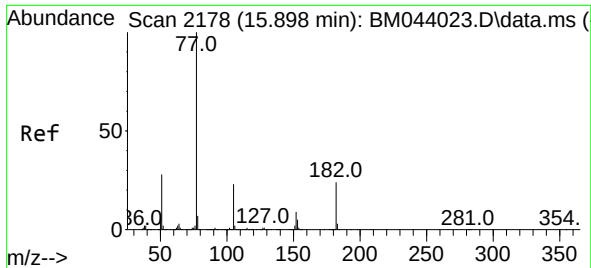
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#62
4-Nitroaniline
Concen: 2.498 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

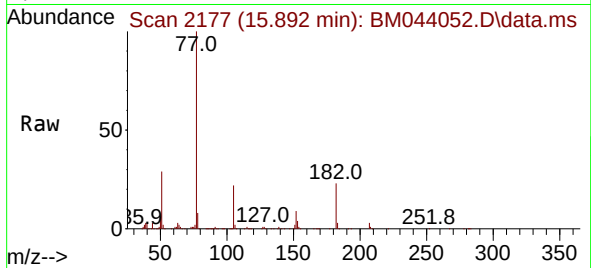
Tgt Ion:138 Resp: 44797
Ion Ratio Lower Upper
138 100
92 60.0 29.6 69.6
108 77.4 47.8 87.8





#63
Azobenzene
Concen: 3.400 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

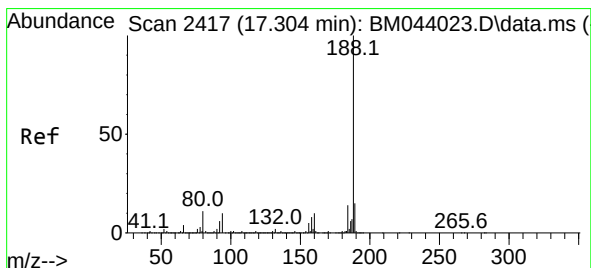
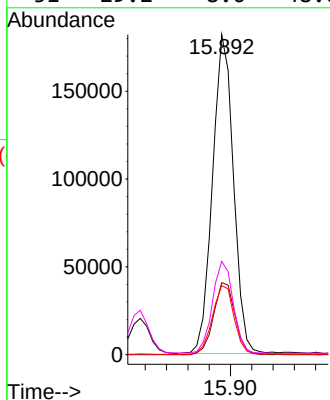
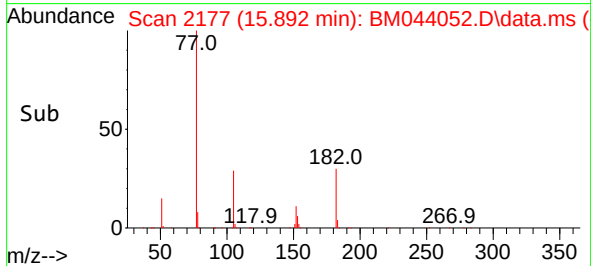
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 77 Resp: 24769
Ion Ratio Lower Upper
77 100
182 22.5 4.0 44.0
105 21.6 3.3 43.3
51 29.2 8.0 48.0

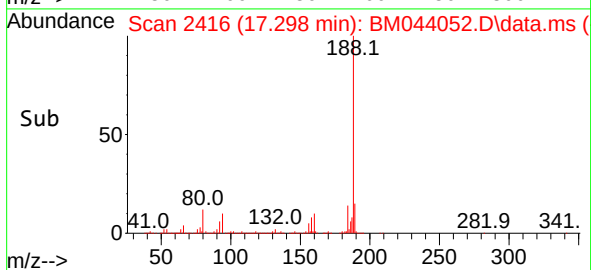
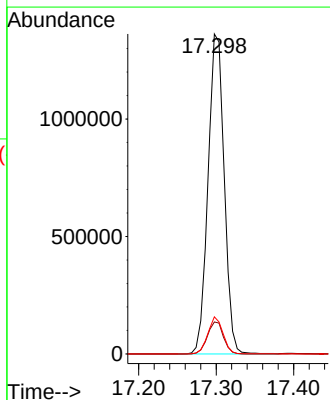
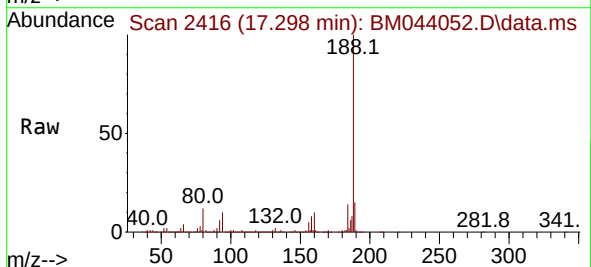
Manual Integrations
APPROVED

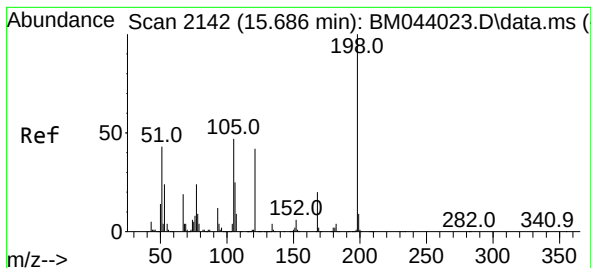
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

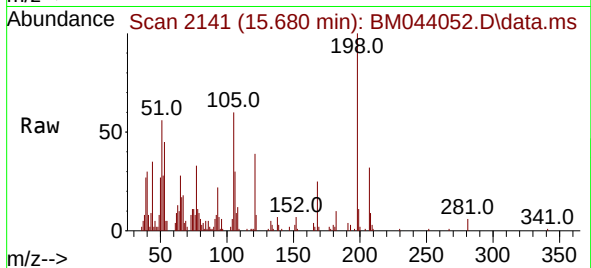
Tgt Ion:188 Resp: 1977086
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 11.6 8.8 13.2





#65
4,6-Dinitro-2-methylphenol
Concen: 2.014 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

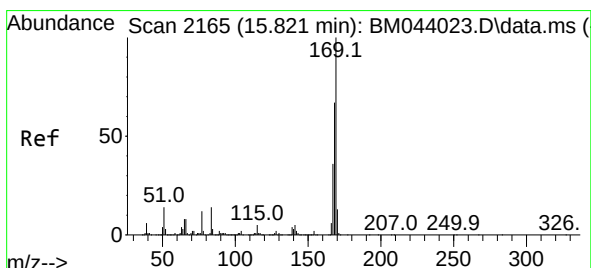
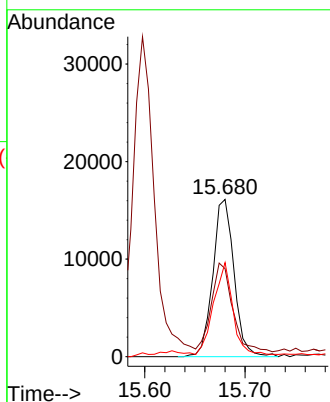
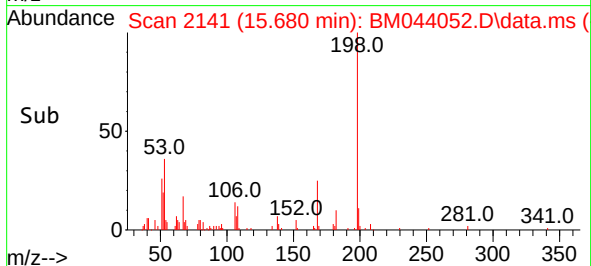
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



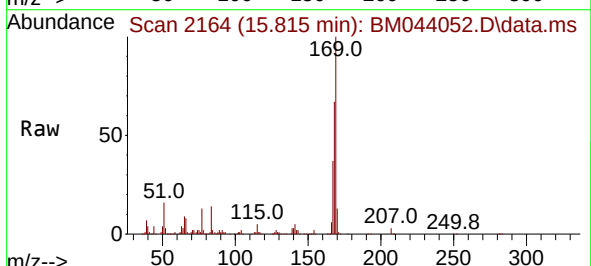
Tgt Ion:198 Resp: 23730
Ion Ratio Lower Upper
198 100
51 55.9 29.9 69.9
105 59.8 28.7 68.7

Manual Integrations
APPROVED

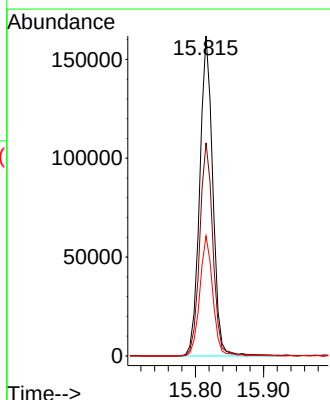
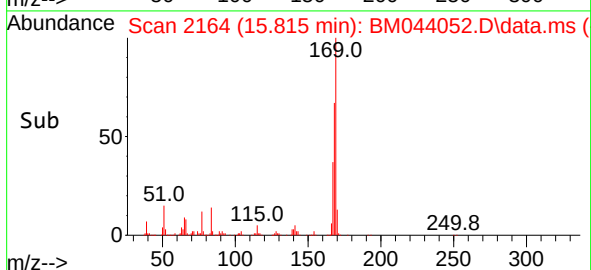
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

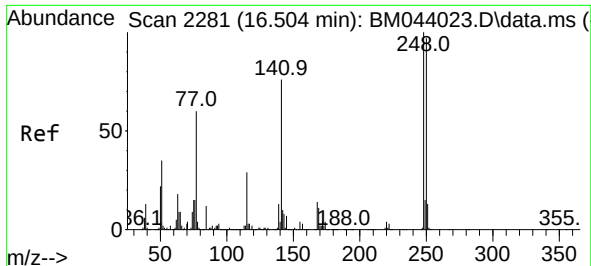


#66
n-Nitrosodiphenylamine
Concen: 3.596 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



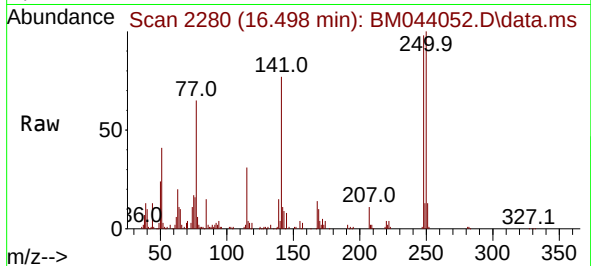
Tgt Ion:169 Resp: 216010
Ion Ratio Lower Upper
169 100
168 66.6 53.8 80.8
167 37.5 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 3.370 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

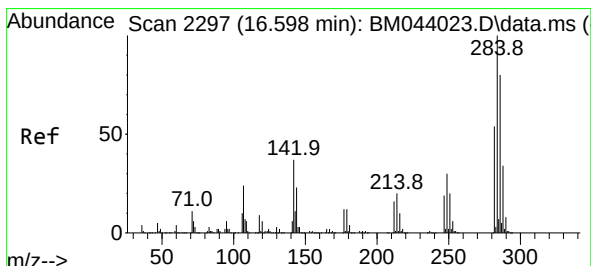
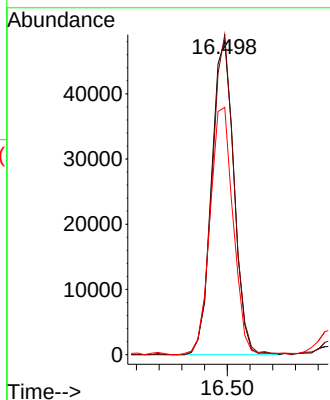
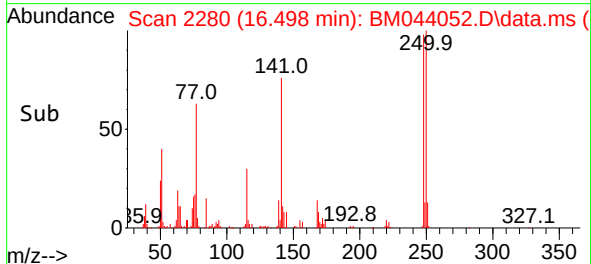
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:248 Resp: 65869
Ion Ratio Lower Upper
248 100
250 101.9 77.4 116.2
141 78.8 61.0 91.6

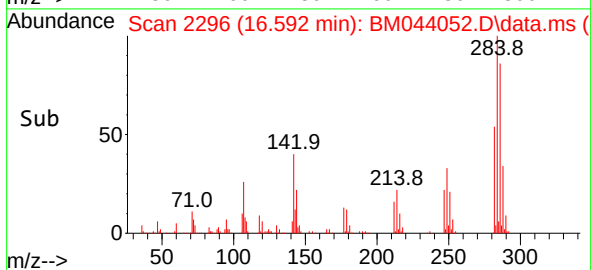
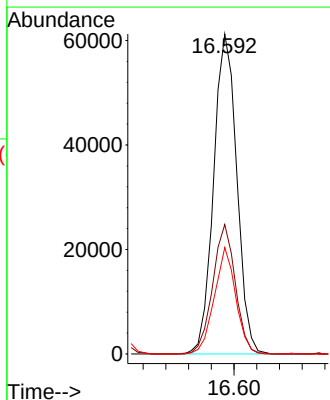
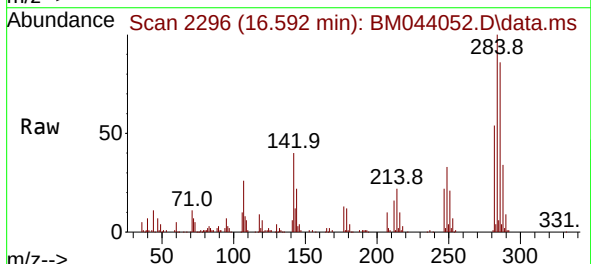
Manual Integrations
APPROVED

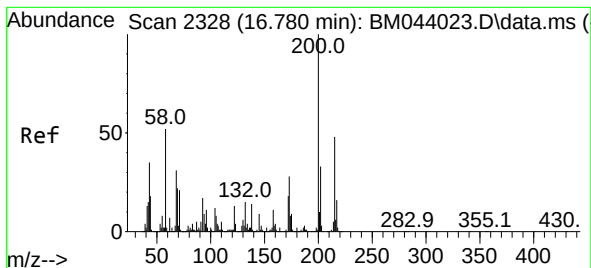
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#68
Hexachlorobenzene
Concen: 3.624 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion:284 Resp: 86784
Ion Ratio Lower Upper
284 100
142 40.4 30.0 45.0
249 33.3 24.1 36.1





#69

Atrazine

Concen: 3.987 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044052.D

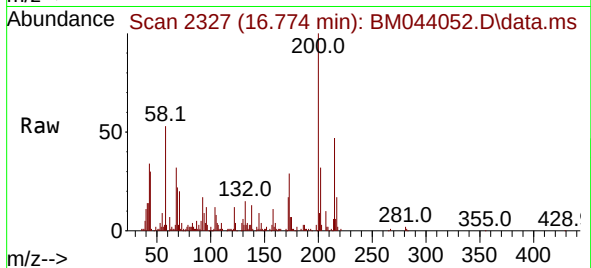
Acq: 12 Feb 2024 12:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



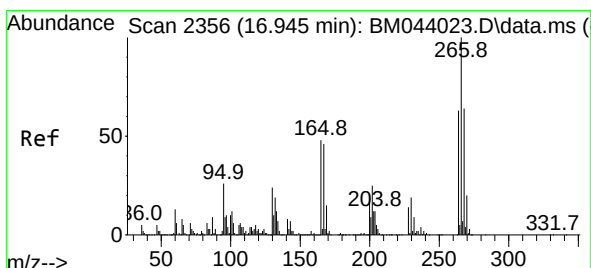
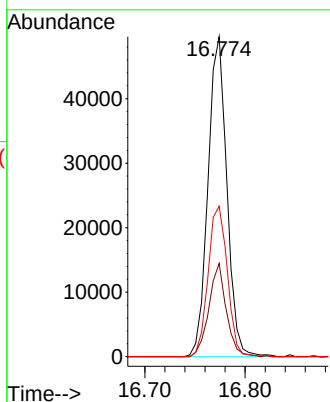
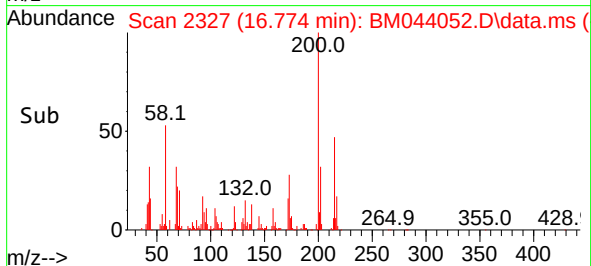
Tgt Ion:	200	Resp:	6484
Ion Ratio	Lower	Upper	
200	100		
173	29.2	7.9	47.9
215	47.0	27.9	67.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#70

Pentachlorophenol

Concen: 2.326 ng

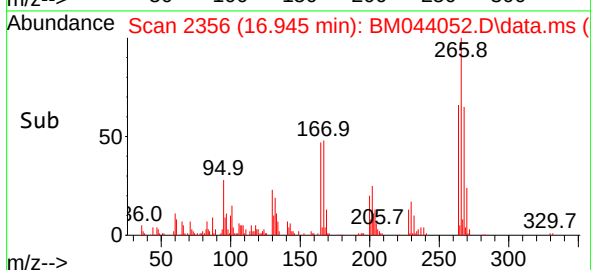
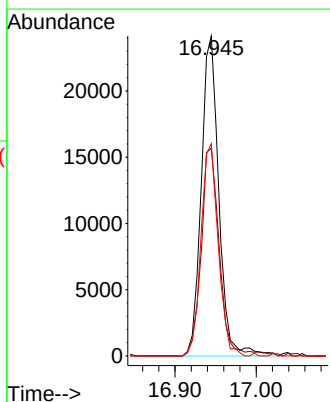
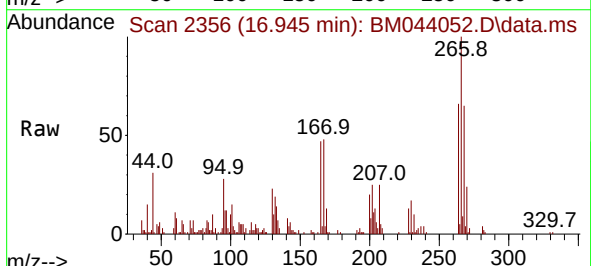
RT: 16.945 min Scan# 2356

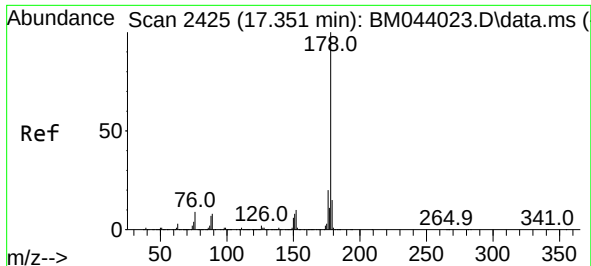
Delta R.T. -0.000 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

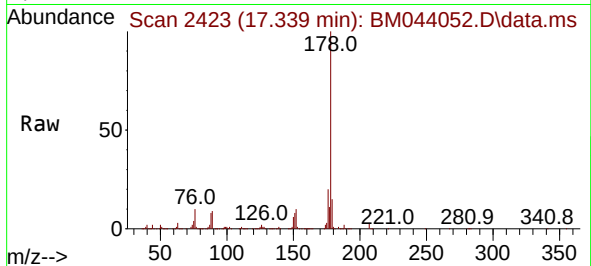
Tgt Ion:	266	Resp:	36225
Ion Ratio	Lower	Upper	
266	100		
268	64.9	51.1	76.7
264	66.3	50.5	75.7





#71
Phenanthrene
Concen: 3.902 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

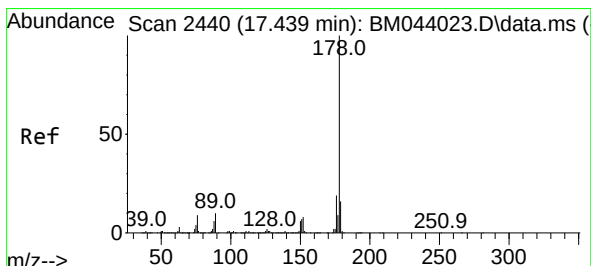
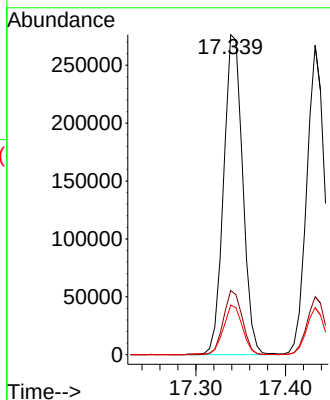
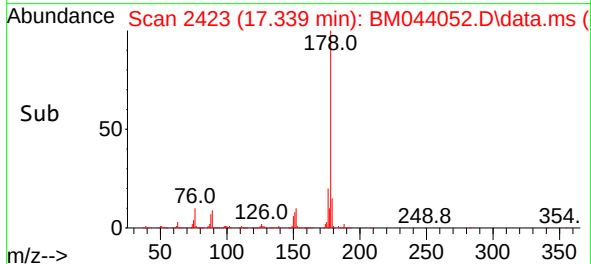
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



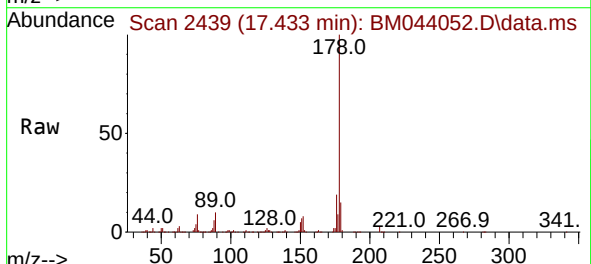
Tgt Ion:178 Resp: 407375
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.5 12.2 18.4

Manual Integrations
APPROVED

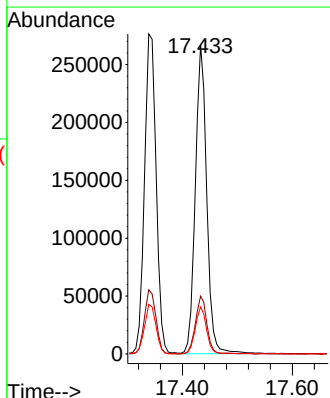
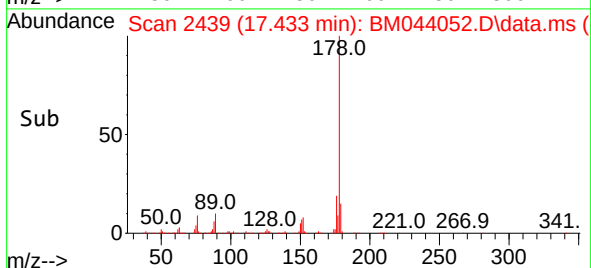
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

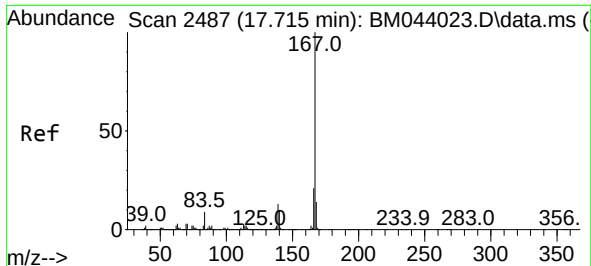


#72
Anthracene
Concen: 3.715 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



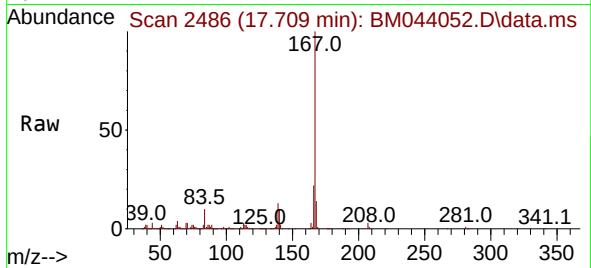
Tgt Ion:178 Resp: 384004
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 3.380 ng
 RT: 17.709 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM044052.D
 Acq: 12 Feb 2024 12:17

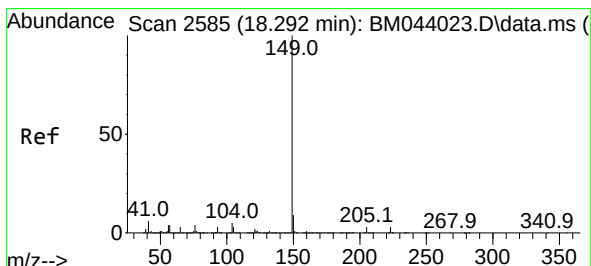
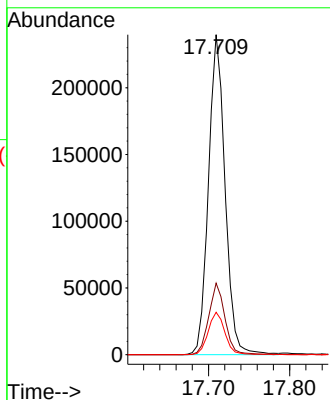
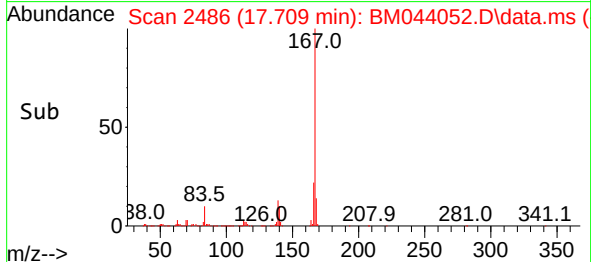
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023



Tgt Ion:167 Resp: 339715
 Ion Ratio Lower Upper
 167 100
 166 22.3 16.8 25.2
 139 13.2 10.4 15.6

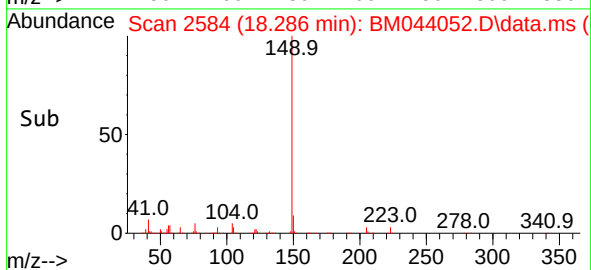
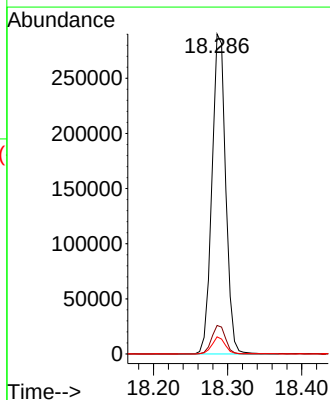
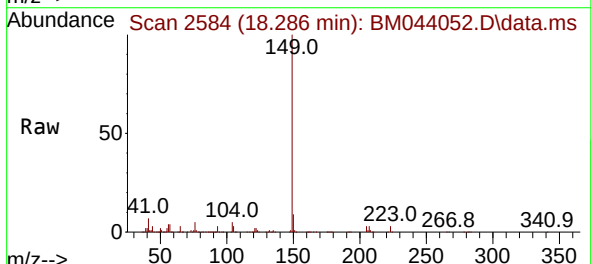
Manual Integrations
 APPROVED

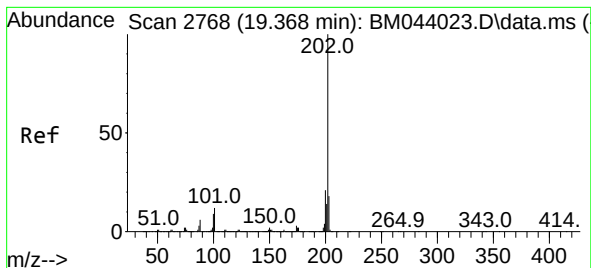
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024



#74
 Di-n-butylphthalate
 Concen: 2.857 ng
 RT: 18.286 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM044052.D
 Acq: 12 Feb 2024 12:17

Tgt Ion:149 Resp: 373346
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.2
 104 5.4 3.8 5.6





#75

Fluoranthene

Concen: 3.472 ng

RT: 19.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

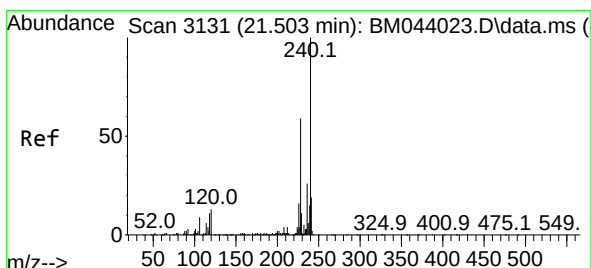
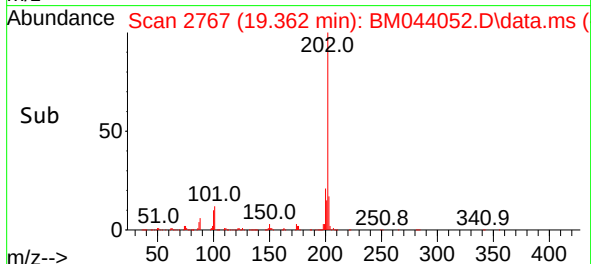
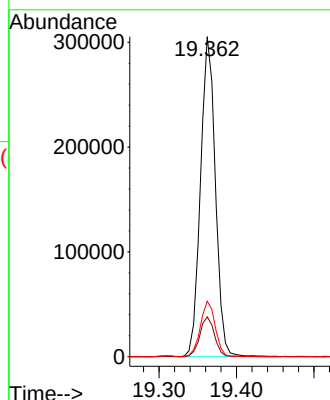
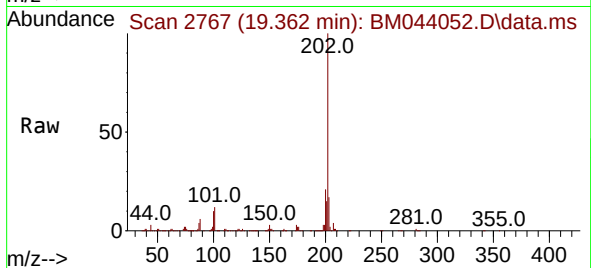
Tgt Ion:	202	Resp:	40714
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	32.4
203	17.3	0.0	37.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#76

Chrysene-d12

Concen: 20.000 ng

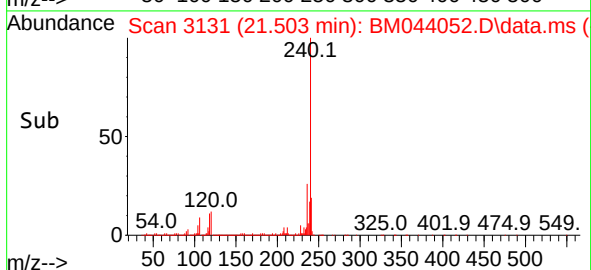
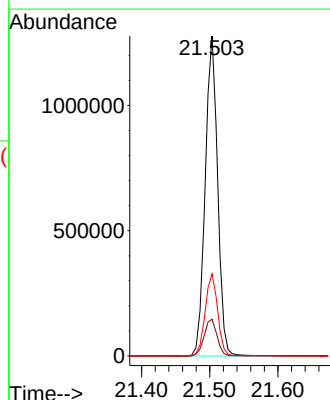
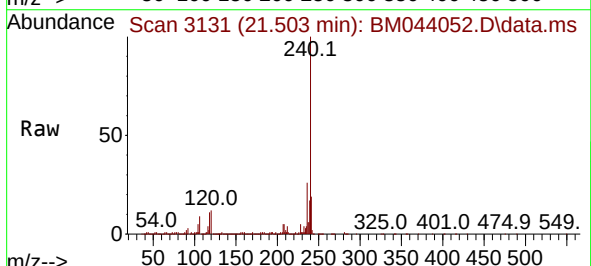
RT: 21.503 min Scan# 3131

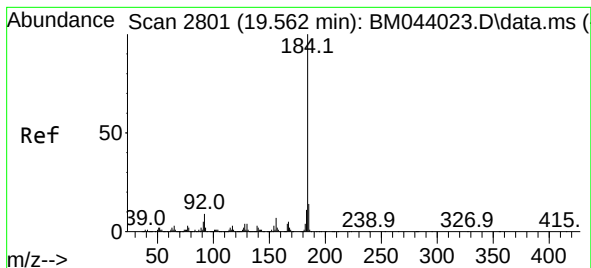
Delta R.T. -0.000 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

Tgt Ion:	240	Resp:	1618787
Ion Ratio	Lower	Upper	
240	100		
120	11.5	10.1	15.1
236	25.7	20.6	31.0





#77

Benzidine

Concen: 1.520 ng m

RT: 19.562 min Scan# 2801

Delta R.T. -0.000 min

Lab File: BM044052.D

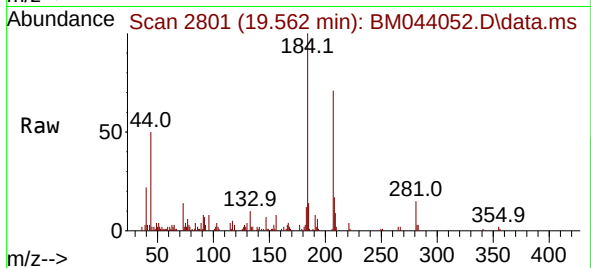
Acq: 12 Feb 2024 12:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



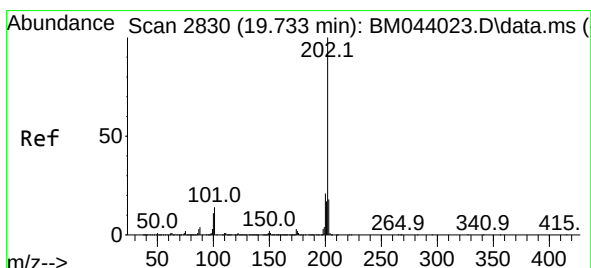
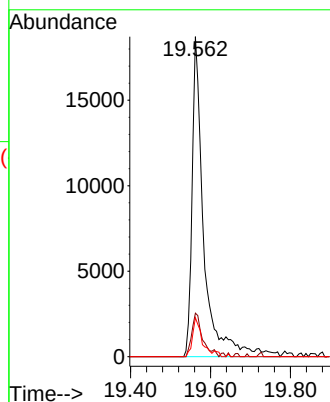
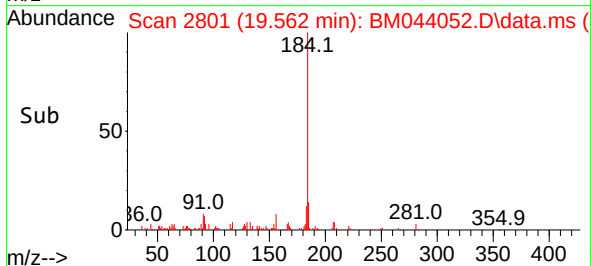
Tgt Ion:	184	Resp:	3823
Ion Ratio	Lower	Upper	
184	100		
185	13.6	11.0	16.6
183	12.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#78

Pyrene

Concen: 3.441 ng

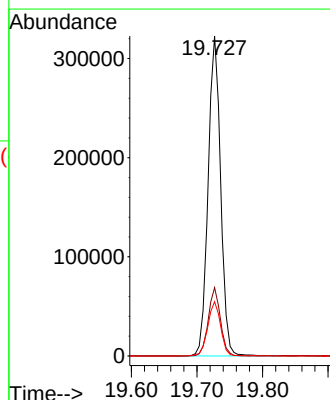
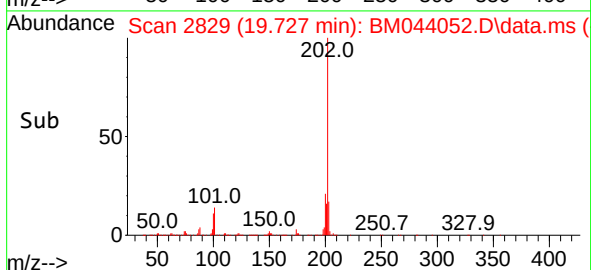
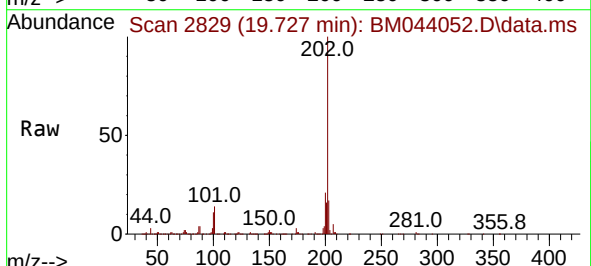
RT: 19.727 min Scan# 2829

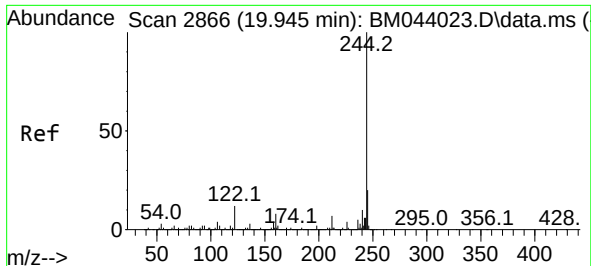
Delta R.T. -0.006 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

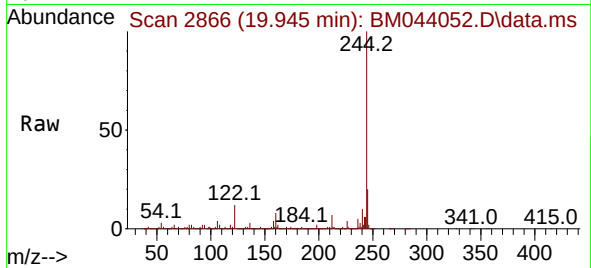
Tgt Ion:	202	Resp:	429017
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.8	25.2
203	17.0	14.0	21.0





#79
Terphenyl-d14
Concen: 77.974 ng
RT: 19.945 min Scan# 2866
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

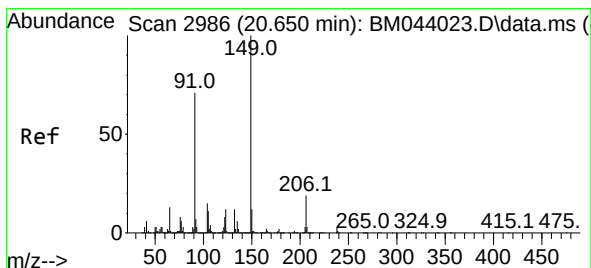
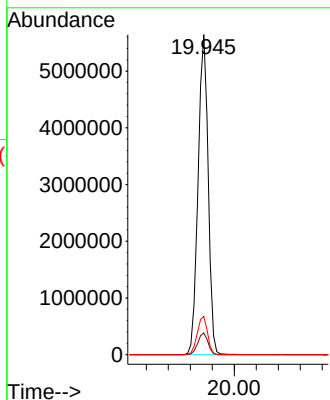
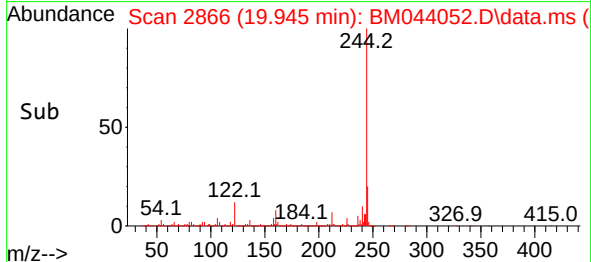
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:244 Resp: 7200311
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.9 9.5 14.3

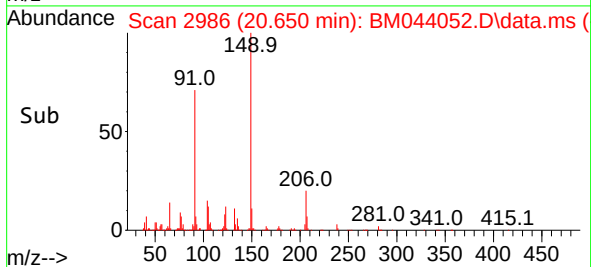
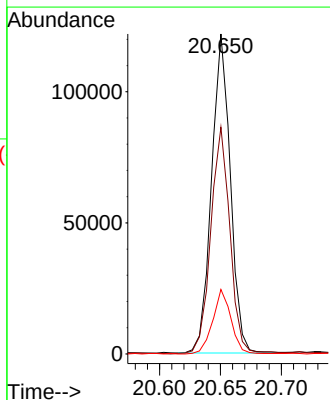
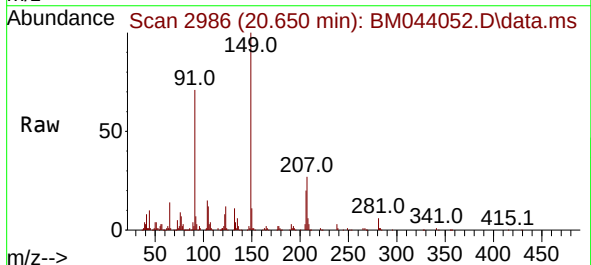
Manual Integrations
APPROVED

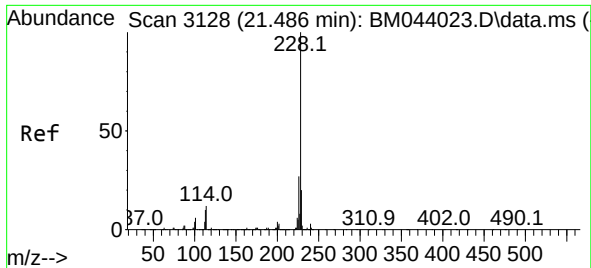
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#80
Butylbenzylphthalate
Concen: 2.357 ng
RT: 20.650 min Scan# 2986
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

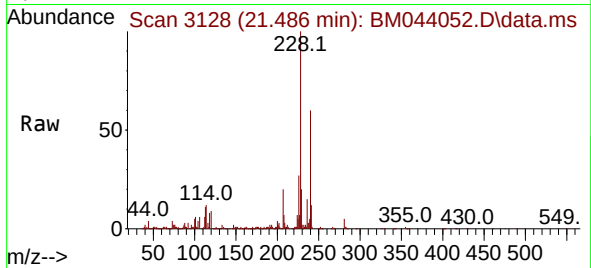
Tgt Ion:149 Resp: 130601
Ion Ratio Lower Upper
149 100
91 70.8 56.8 85.2
206 20.2 15.0 22.6





#81
Benzo(a)anthracene
Concen: 3.587 ng
RT: 21.486 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

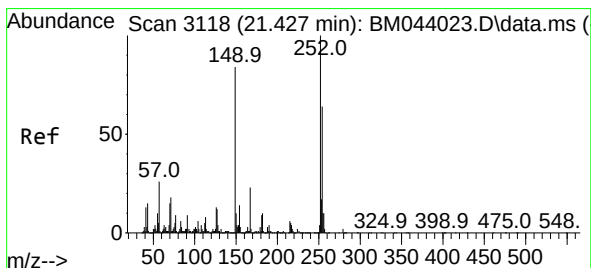
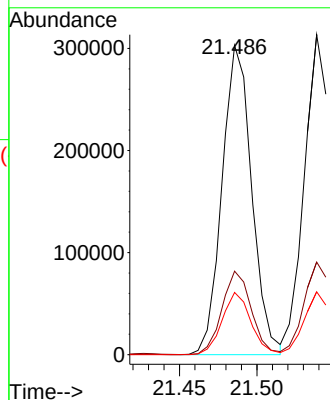
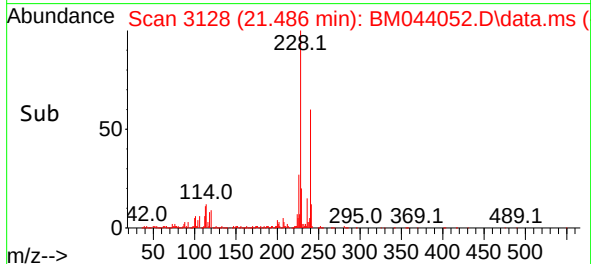
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



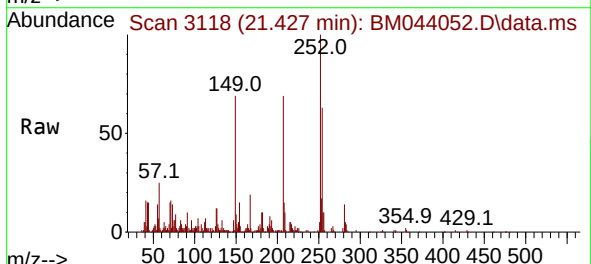
Tgt Ion:228 Resp: 403938
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 20.1 15.9 23.9

Manual Integrations
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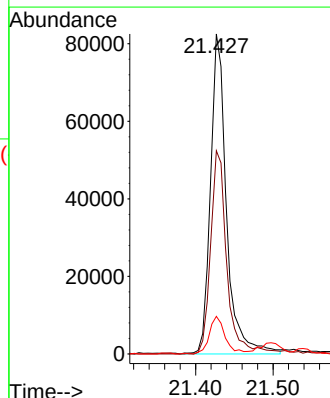
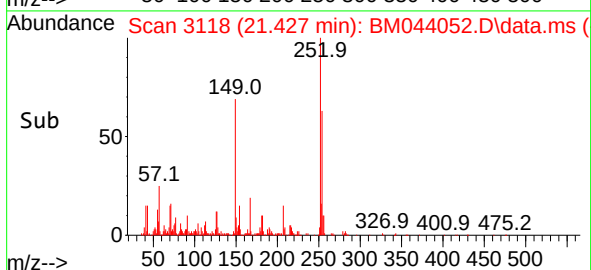
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

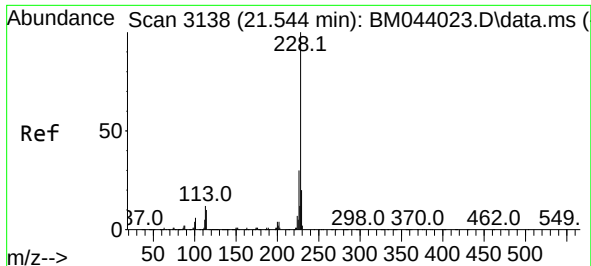


#82
3,3'-Dichlorobenzidine
Concen: 3.211 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17



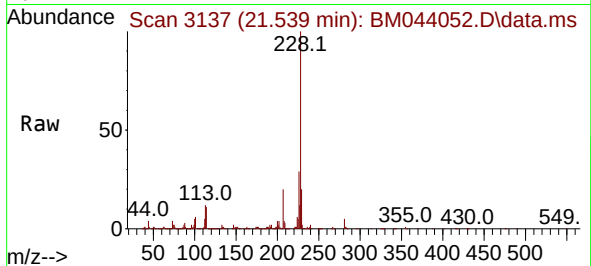
Tgt Ion:252 Resp: 118639
Ion Ratio Lower Upper
252 100
254 63.5 51.2 76.8
126 11.7 10.2 15.4





#83
Chrysene
Concen: 3.659 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

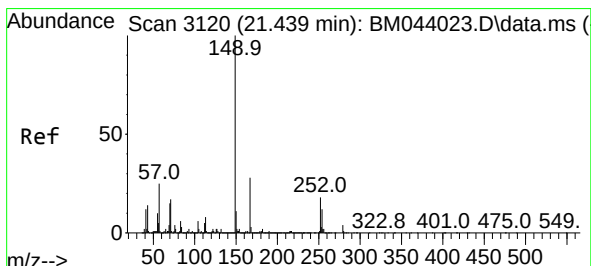
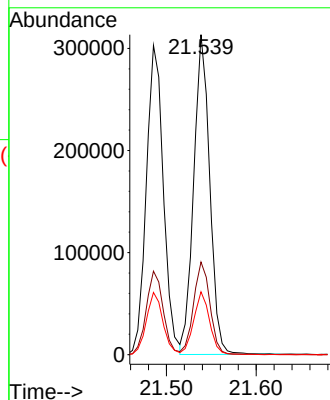
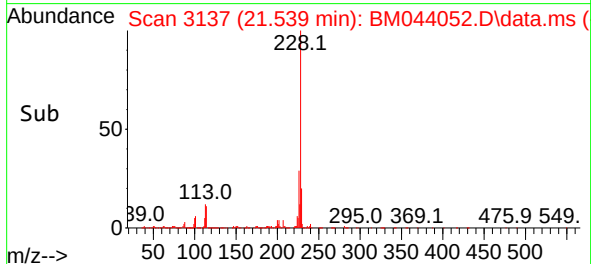
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:228 Resp: 389215
Ion Ratio Lower Upper
228 100
226 28.9 24.2 36.2
229 19.7 15.8 23.8

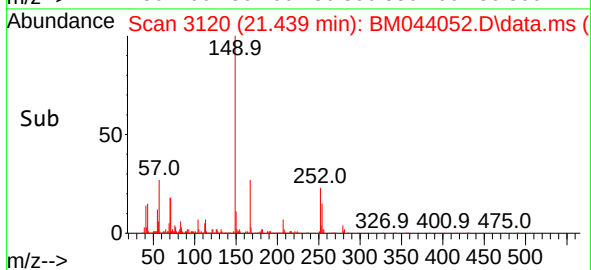
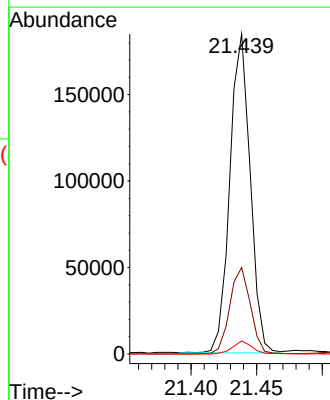
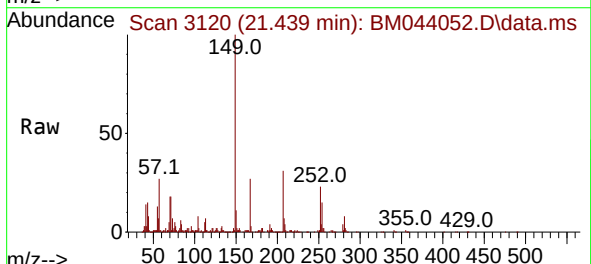
Manual Integrations
APPROVED

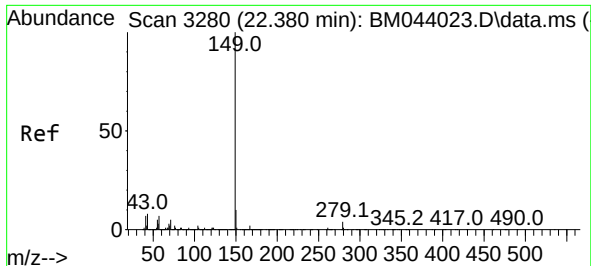
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.434 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion:149 Resp: 199005
Ion Ratio Lower Upper
149 100
167 27.0 22.6 33.8
279 4.0 3.1 4.7





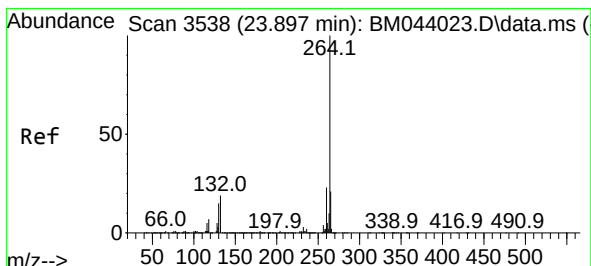
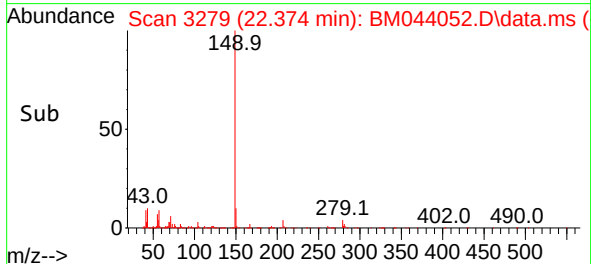
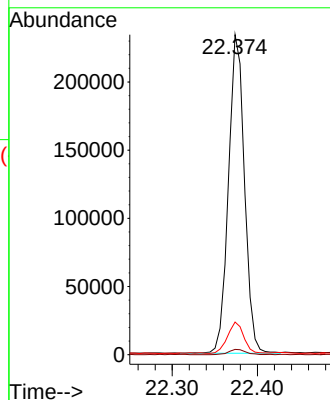
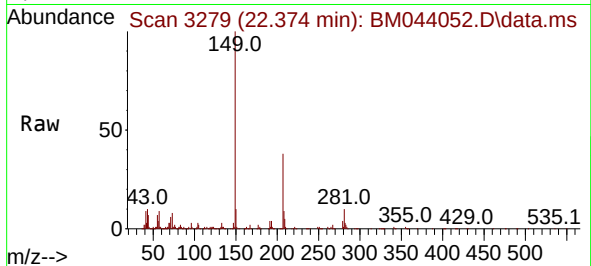
#85
Di-n-octyl phthalate
Concen: 2.142 ng
RT: 22.374 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:149 Resp: 305912
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8
43 10.0 7.0 10.4

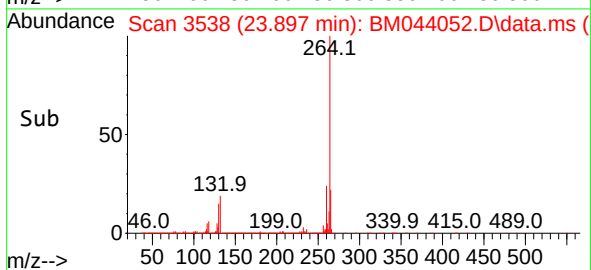
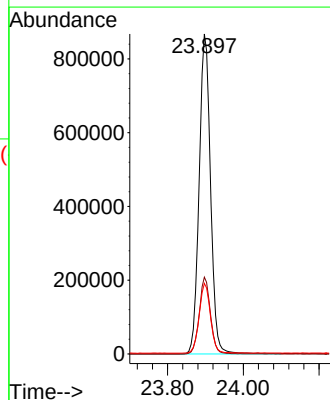
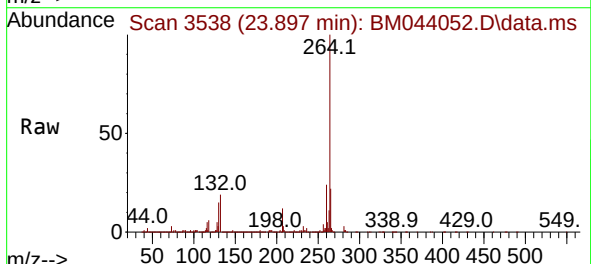
Manual Integrations
APPROVED

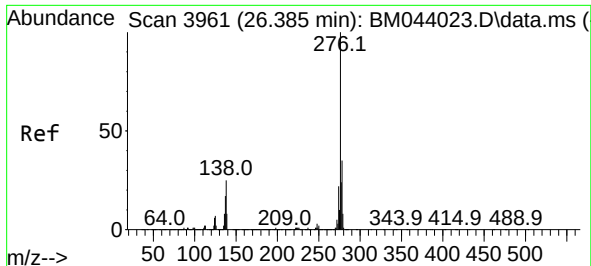
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.897 min Scan# 3538
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion:264 Resp: 1818477
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.1 17.3 25.9





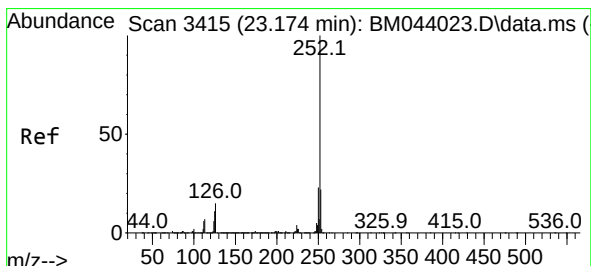
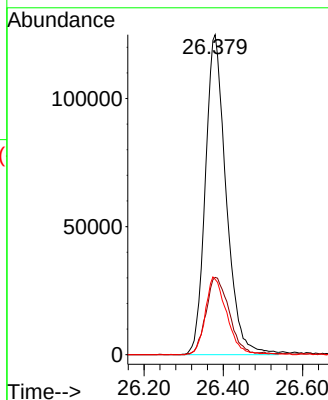
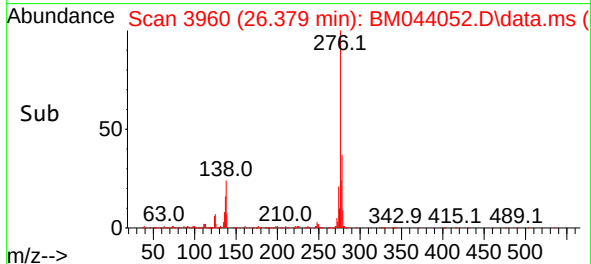
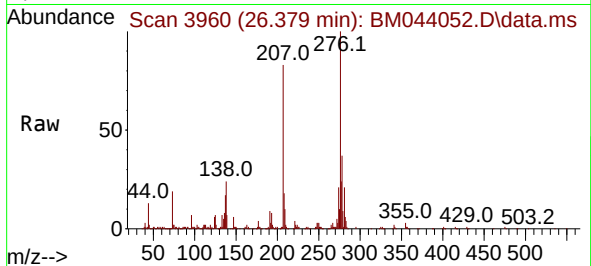
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.531 ng
RT: 26.379 min Scan# 3961
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:276 Resp: 454439
Ion Ratio Lower Upper
276 100
138 27.1 22.6 34.0
277 24.9 20.2 30.2

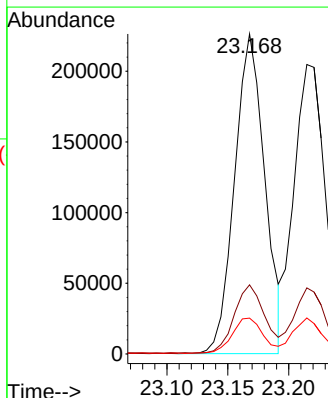
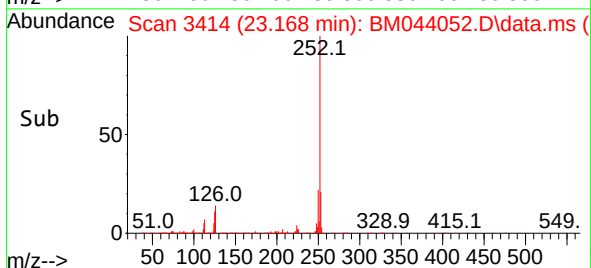
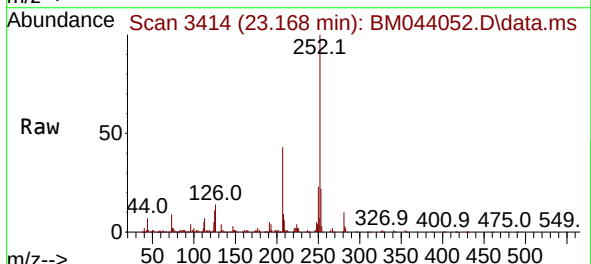
Manual Integrations
APPROVED

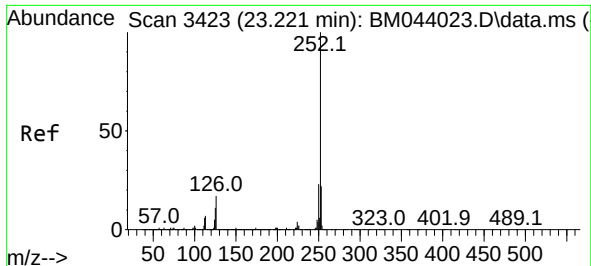
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#88
Benzo(b)fluoranthene
Concen: 3.423 ng
RT: 23.168 min Scan# 3414
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

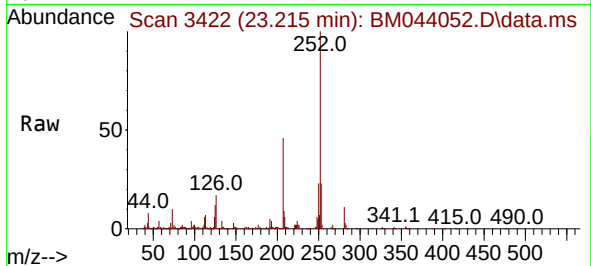
Tgt Ion:252 Resp: 389087
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 11.2 8.8 13.2





#89
Benzo(k)fluoranthene
Concen: 3.490 ng
RT: 23.215 min Scan# 3423
Delta R.T. -0.006 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

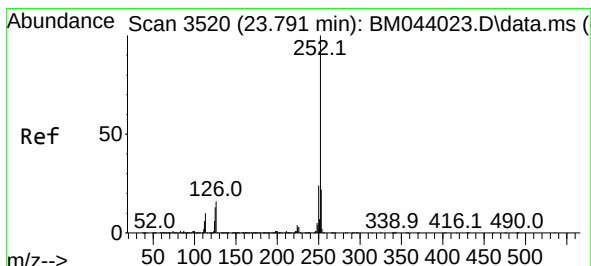
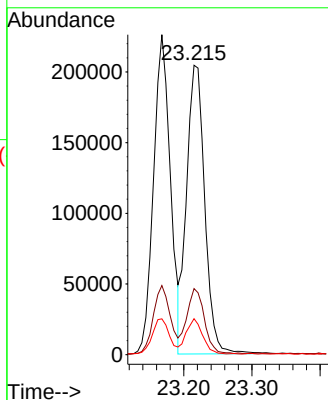
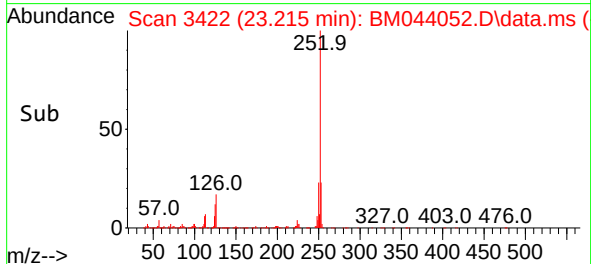
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:252 Resp: 376935
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.4 9.0 13.4

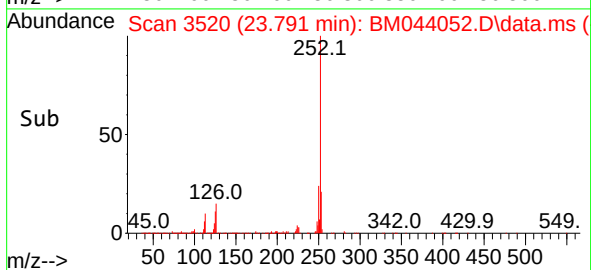
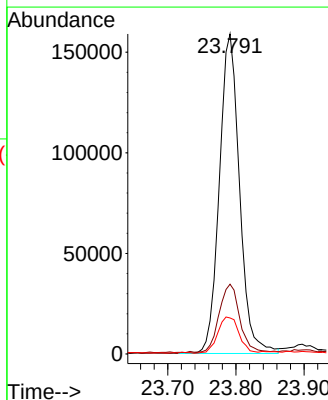
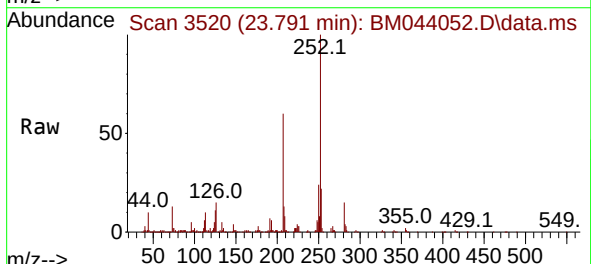
Manual Integrations
APPROVED

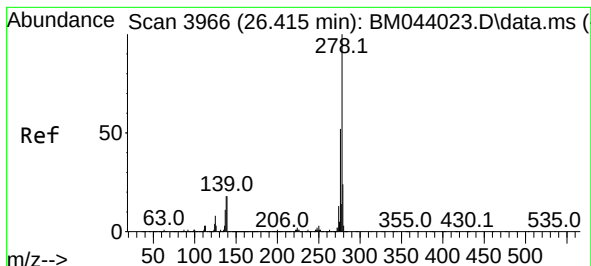
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#90
Benzo(a)pyrene
Concen: 3.293 ng
RT: 23.791 min Scan# 3520
Delta R.T. -0.000 min
Lab File: BM044052.D
Acq: 12 Feb 2024 12:17

Tgt Ion:252 Resp: 326985
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 11.2 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 3.553 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

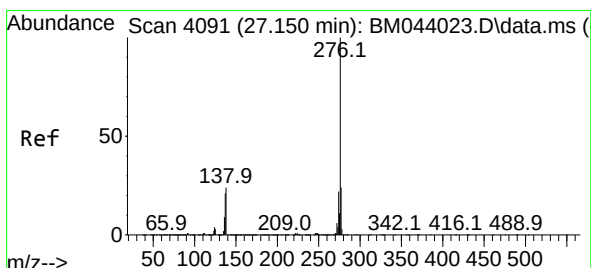
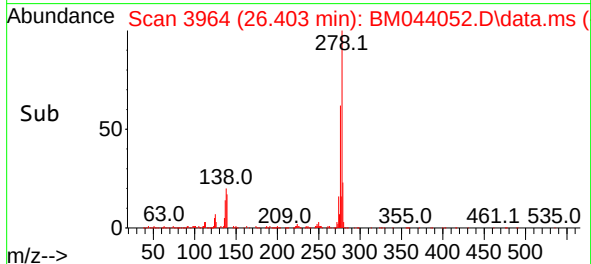
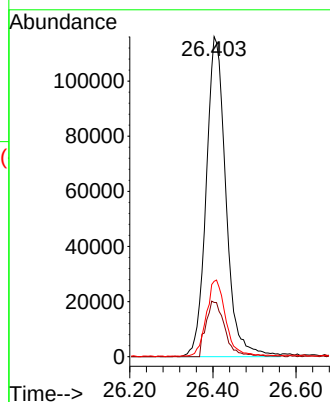
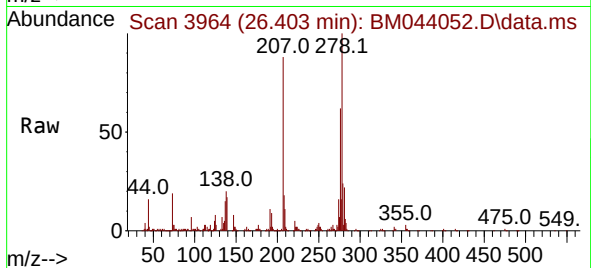
Tgt Ion:	278	Resp:	38254
Ion Ratio	Lower	Upper	
278	100		
139	17.0	14.5	21.7
279	23.6	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#92

Benzo(g,h,i)perylene

Concen: 3.432 ng

RT: 27.138 min Scan# 4089

Delta R.T. -0.012 min

Lab File: BM044052.D

Acq: 12 Feb 2024 12:17

Tgt Ion:	276	Resp:	374735
Ion Ratio	Lower	Upper	
276	100		
277	22.4	19.0	28.4
138	21.9	19.1	28.7

