

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048221.D
 Acq On : 24 Oct 2024 17:48
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-05 ng
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 24 18:25:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	200778	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	794478	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	501625	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1024259	20.000	ng	0.00
76) Chrysene-d12	21.333	240	1016626	20.000	ng	0.00
86) Perylene-d12	24.285	264	1127493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1157186	96.881	ng	0.00
7) Phenol-d6	6.898	99	1535110	98.687	ng	0.00
23) Nitrobenzene-d5	8.875	82	1026832	72.976	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	629420	102.513	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	2387527	73.036	ng	0.00
79) Terphenyl-d14	19.733	244	3419322	68.638	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.205	88	26051	5.328	ng	97
3) Pyridine	3.616	79	54342	4.184	ng	98
4) n-Nitrosodimethylamine	3.516	42	26279	4.765	ng	# 95
6) Aniline	7.051	93	80457	6.231	ng	98
8) 2-Chlorophenol	7.287	128	67461	5.199	ng	97
9) Benzaldehyde	6.863	77	53688m	7.025	ng	
10) Phenol	6.922	94	80418	5.138	ng	92
11) bis(2-Chloroethyl)ether	7.145	93	63685	5.109	ng	99
12) 1,3-Dichlorobenzene	7.610	146	76052	5.083	ng	98
13) 1,4-Dichlorobenzene	7.751	146	78304	5.152	ng	96
14) 1,2-Dichlorobenzene	8.069	146	74132	5.047	ng	98
15) Benzyl Alcohol	7.969	79	48473	4.884	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.239	45	99483	5.456	ng	99
17) 2-Methylphenol	8.169	107	48692	4.682	ng	97
18) Hexachloroethane	8.792	117	28206	5.063	ng	96
19) n-Nitroso-di-n-propyla...	8.528	70	49162	4.996	ng	97
20) 3+4-Methylphenols	8.504	107	62948	4.370	ng	93
22) Acetophenone	8.539	105	101332	5.226	ng	98
24) Nitrobenzene	8.916	77	75177	5.157	ng	99
25) Isophorone	9.445	82	129343	5.015	ng	100
26) 2-Nitrophenol	9.633	139	29248	4.345	ng	99
27) 2,4-Dimethylphenol	9.698	122	26221m	3.211	ng	
28) bis(2-Chloroethoxy)met...	9.928	93	79621	4.878	ng	98
29) 2,4-Dichlorophenol	10.181	162	52835	4.497	ng	99
30) 1,2,4-Trichlorobenzene	10.375	180	67450	5.013	ng	96
31) Naphthalene	10.557	128	207204	5.000	ng	99
32) Benzoic acid	9.781	122	30653m	3.372	ng	
33) 4-Chloroaniline	10.681	127	68357	5.086	ng	100
34) Hexachlorobutadiene	10.845	225	39850	4.779	ng	94
35) Caprolactam	11.457	113	15615	4.092	ng	99
36) 4-Chloro-3-methylphenol	11.816	107	55892	4.557	ng	97
37) 2-Methylnaphthalene	12.175	142	136286	4.923	ng	100
38) 1-Methylnaphthalene	12.398	142	130751	4.763	ng	96
40) 1,2,4,5-Tetrachloroben...	12.551	216	73446	5.123	ng	99
41) Hexachlorocyclopentadiene	12.527	237	7359	1.517	ng	94
43) 2,4,6-Trichlorophenol	12.798	196	42852	4.504	ng	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	47856	4.510	ng	98
46) 1,1'-Biphenyl	13.192	154	192778	5.383	ng	98
47) 2-Chloronaphthalene	13.233	162	140982	4.992	ng	97
48) 2-Nitroaniline	13.451	65	33065	4.317	ng	92
49) Acenaphthylene	14.086	152	218256	5.298	ng	99
50) Dimethylphthalate	13.821	163	172767	5.045	ng	99
51) 2,6-Dinitrotoluene	13.939	165	32471	4.250	ng	# 84
52) Acenaphthene	14.427	154	130756	4.995	ng	96
53) 3-Nitroaniline	14.280	138	28593	3.968	ng	93
54) 2,4-Dinitrophenol	14.492	184	13083	2.930	ng	87
55) Dibenzofuran	14.763	168	218914	5.264	ng	99
56) 4-Nitrophenol	14.616	139	20117	3.128	ng	# 87
57) 2,4-Dinitrotoluene	14.739	165	39425	3.907	ng	96
58) Fluorene	15.410	166	170696	5.190	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	43663	4.965	ng	99
60) Diethylphthalate	15.186	149	170511	4.918	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	86338	5.251	ng	93
62) 4-Nitroaniline	15.445	138	26756	3.588	ng	93
63) Azobenzene	15.698	77	152834	4.918	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	19657	3.308	ng	92
66) n-Nitrosodiphenylamine	15.621	169	138508	4.926	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	50202	4.834	ng	97
68) Hexachlorobenzene	16.415	284	61880	4.961	ng	97
69) Atrazine	16.574	200	47240	6.004	ng	94
70) Pentachlorophenol	16.768	266	33406	4.080	ng	98
71) Phenanthrene	17.145	178	268173	5.287	ng	100
72) Anthracene	17.239	178	225732	4.598	ng	98
73) Carbazole	17.515	167	226829	4.713	ng	100
74) Di-n-butylphthalate	18.074	149	280013	4.674	ng	100
75) Fluoranthene	19.168	202	300940	4.974	ng	97
77) Benzidine	19.356	184	44015	3.751	ng	99
78) Pyrene	19.527	202	320612	4.712	ng	100
80) Butylbenzylphthalate	20.427	149	121797	4.280	ng	97
81) Benzo(a)anthracene	21.315	228	324336	4.992	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	102393	4.601	ng	100
83) Chrysene	21.374	228	320783	5.144	ng	98
84) Bis(2-ethylhexyl)phtha...	21.239	149	190400	4.604	ng	99
85) Di-n-octyl phthalate	22.350	149	293898	4.103	ng	98
87) Indeno(1,2,3-cd)pyrene	27.609	276	378787	5.080	ng	99
88) Benzo(b)fluoranthene	23.350	252	317381	4.910	ng	100
89) Benzo(k)fluoranthene	23.415	252	332984	5.328	ng	99
90) Benzo(a)pyrene	24.144	252	284881	5.069	ng	98
91) Dibenzo(a,h)anthracene	27.656	278	315724	5.085	ng	99
92) Benzo(g,h,i)perylene	28.644	276	304231	4.785	ng	98

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

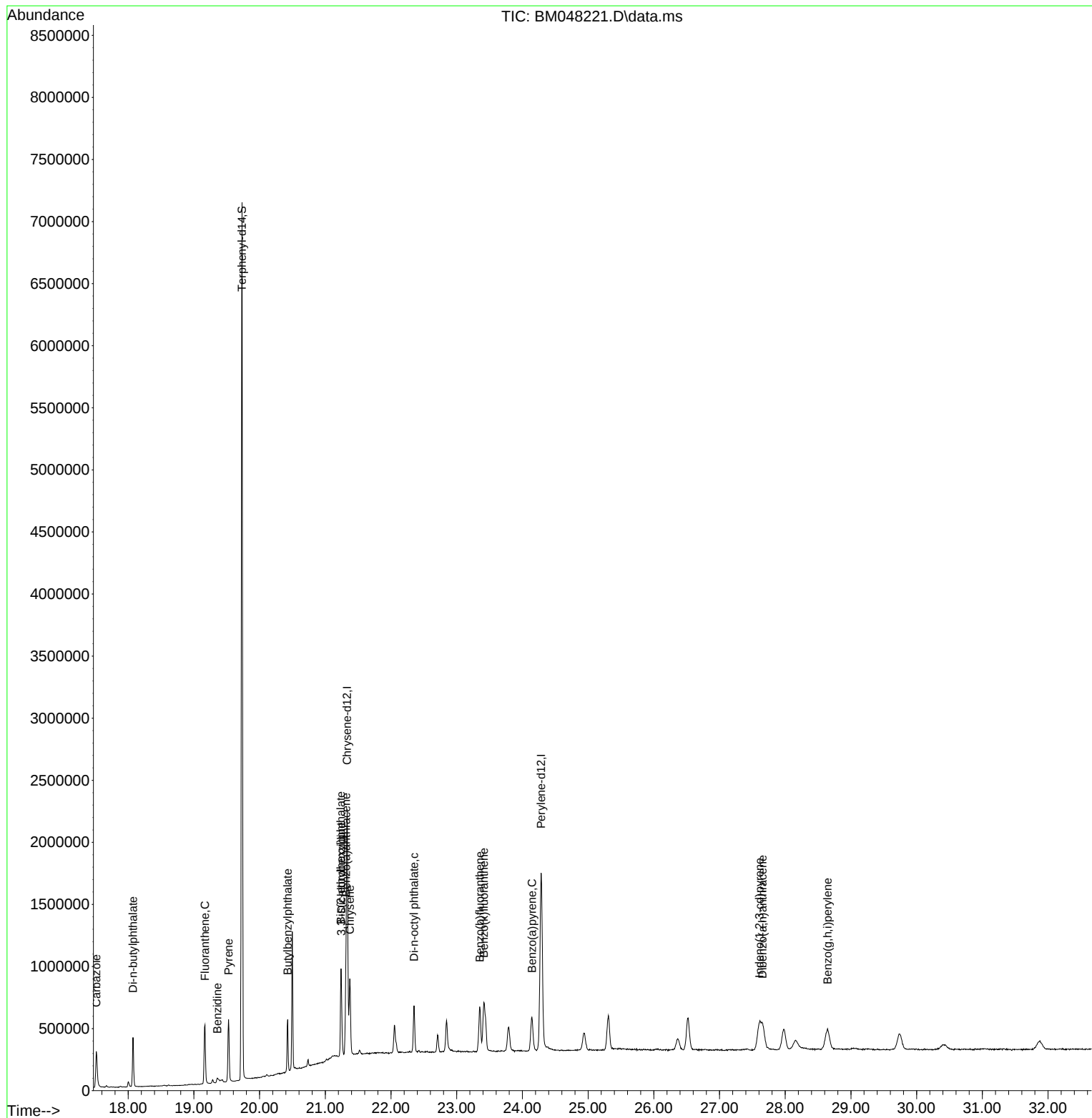
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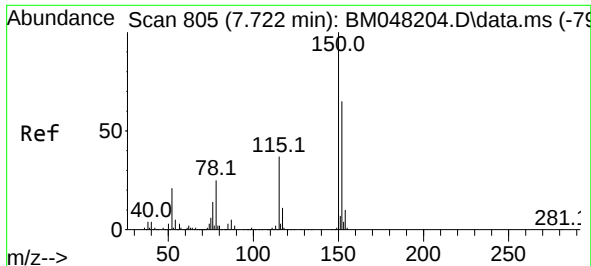
Instrument :
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ClientSampleId :
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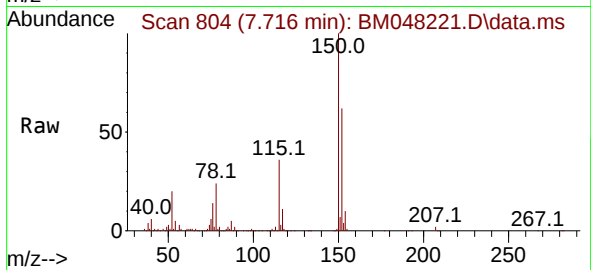
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

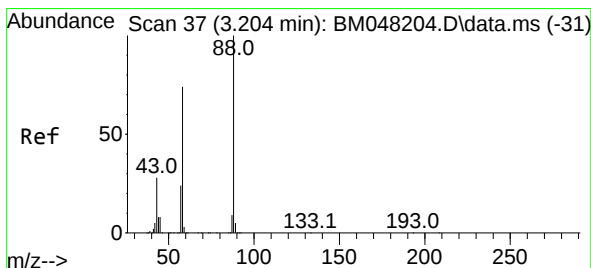
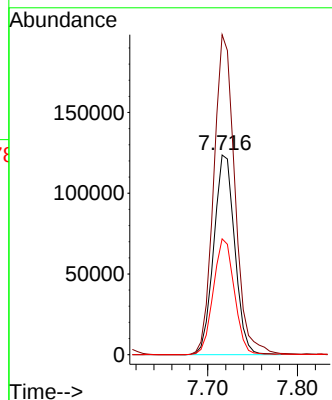
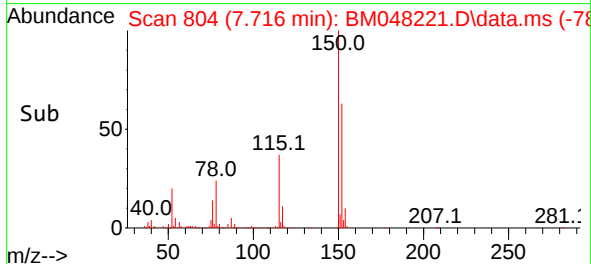
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 200778
Ion Ratio Lower Upper
152 100
150 160.3 123.0 184.6
115 58.1 45.8 68.6

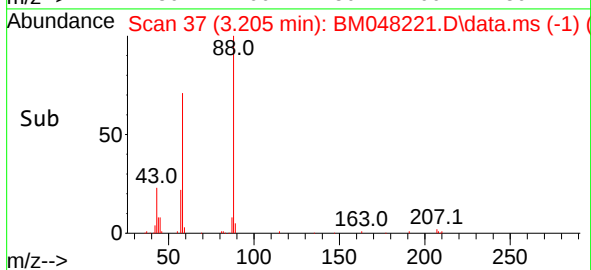
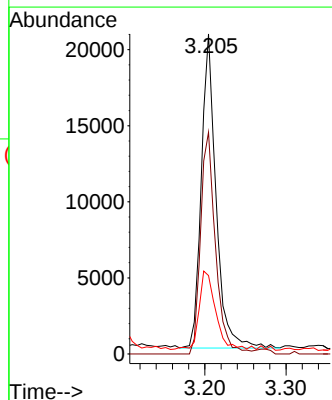
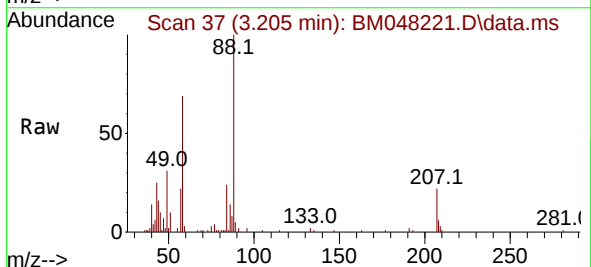
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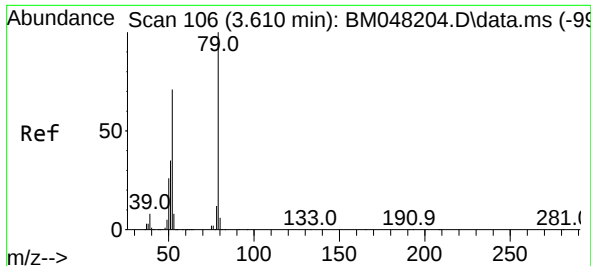
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#2
1,4-Dioxane
Concen: 5.328 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

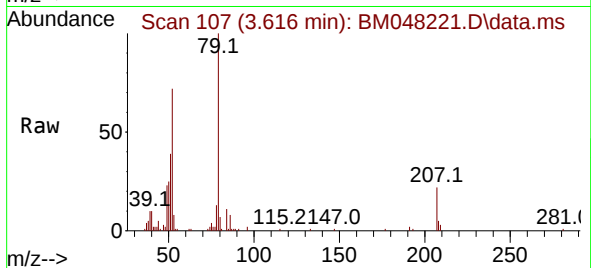
Tgt Ion: 88 Resp: 26051
Ion Ratio Lower Upper
88 100
58 71.4 59.7 89.5
43 27.9 22.6 33.8





#3
Pyridine
Concen: 4.184 ng
RT: 3.616 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

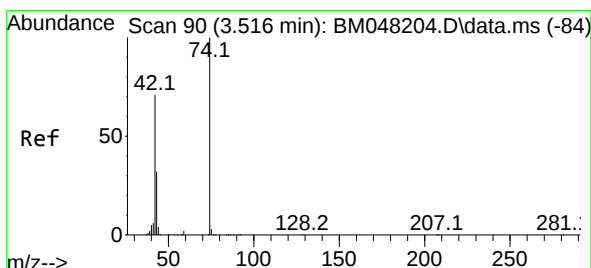
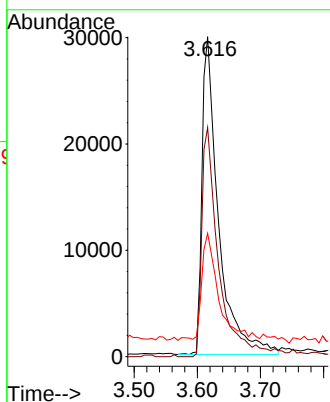
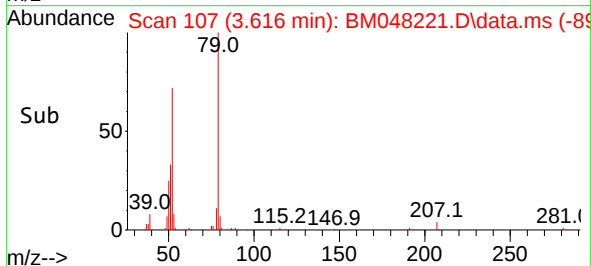
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



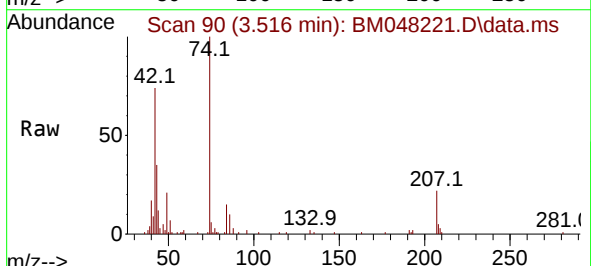
Tgt Ion: 79 Resp: 5434
Ion Ratio Lower Upper
79 100
52 71.6 56.5 84.7
51 38.5 28.5 42.7

Manual Integrations
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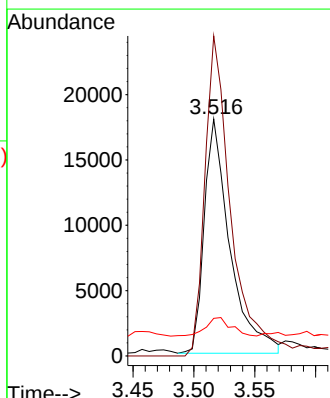
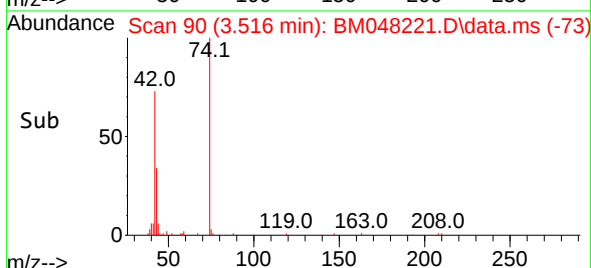
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

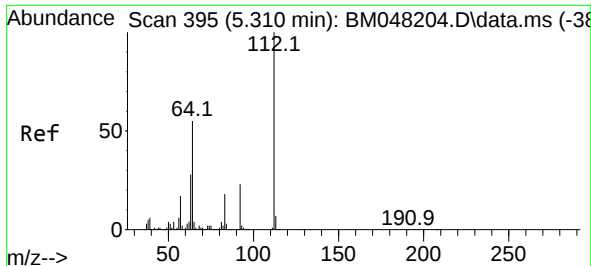


#4
n-Nitrosodimethylamine
Concen: 4.765 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48



Tgt Ion: 42 Resp: 26279
Ion Ratio Lower Upper
42 100
74 135.1 111.8 167.6
44 15.9 6.0 9.0





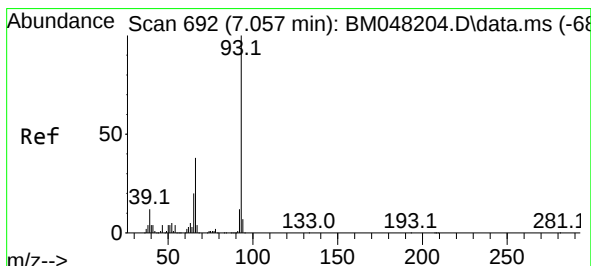
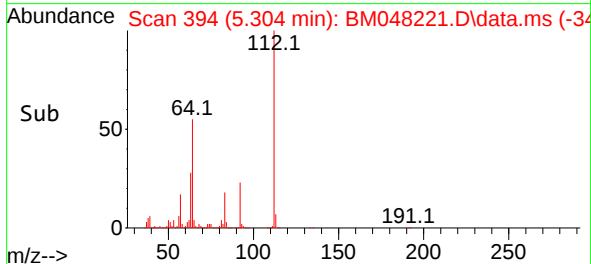
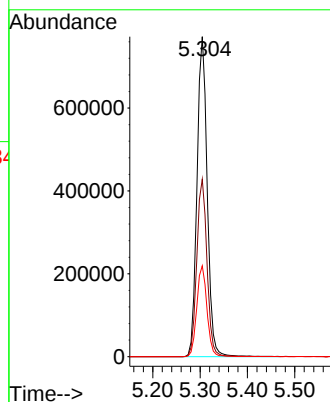
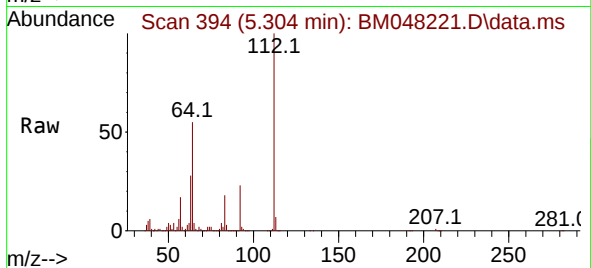
#5
2-Fluorophenol
Concen: 96.881 ng
RT: 5.304 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 112 Resp: 1157180
Ion Ratio Lower Upper
112 100
64 55.4 44.2 66.2
63 28.4 22.7 34.1

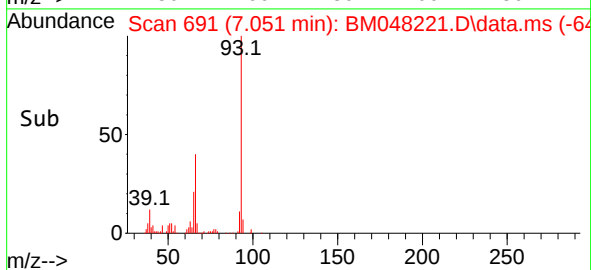
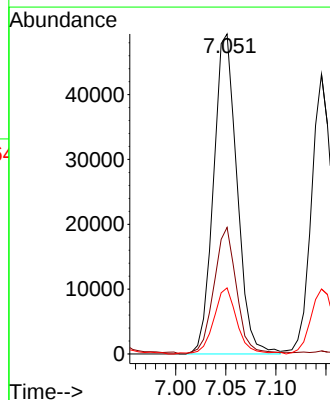
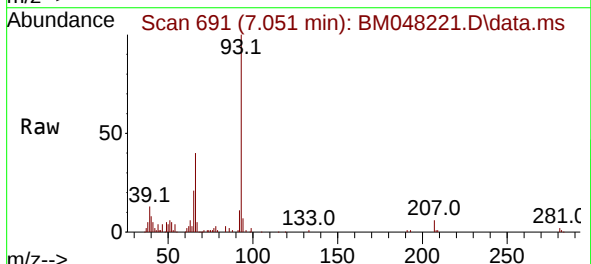
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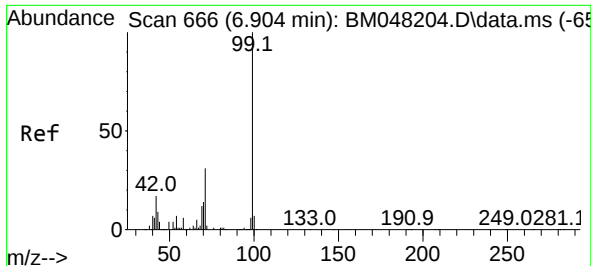
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#6
Aniline
Concen: 6.231 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 93 Resp: 80457
Ion Ratio Lower Upper
93 100
66 39.5 30.2 45.2
65 20.7 16.2 24.2





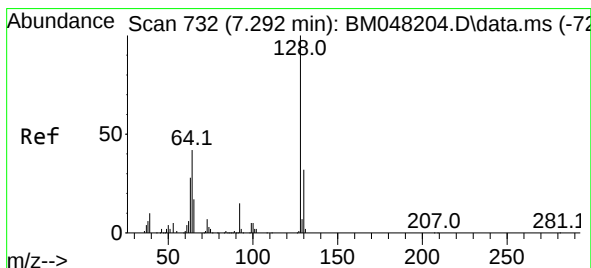
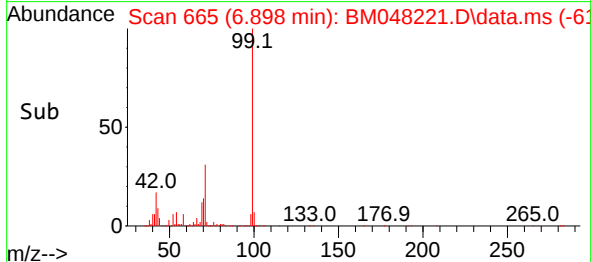
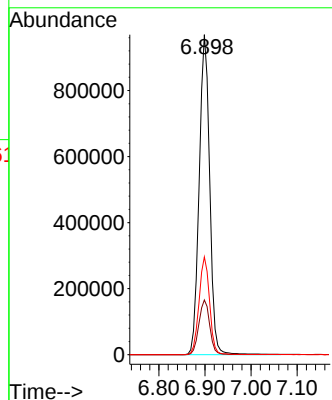
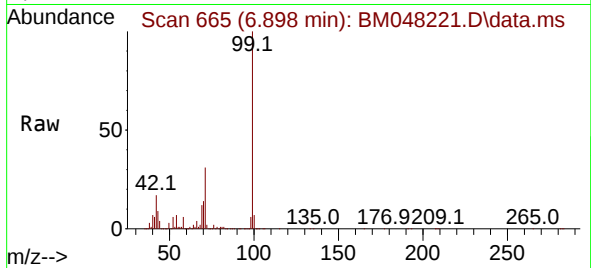
#7
Phenol-d6
Concen: 98.687 ng
RT: 6.898 min Scan# 665
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 99 Resp: 1535110
Ion Ratio Lower Upper
99 100
42 17.1 13.8 20.8
71 30.5 24.9 37.3

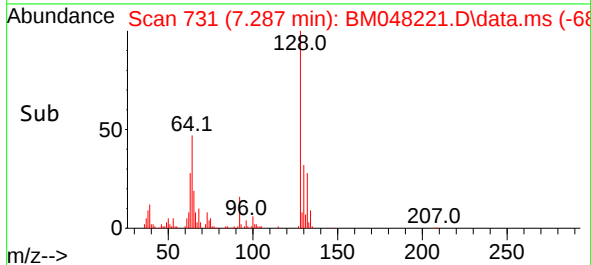
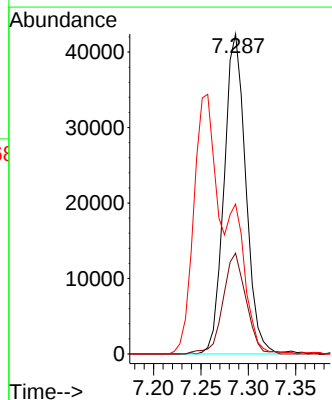
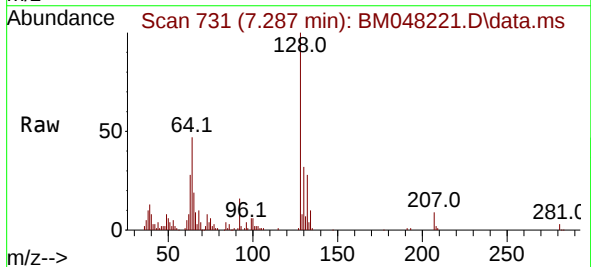
Manual Integrations
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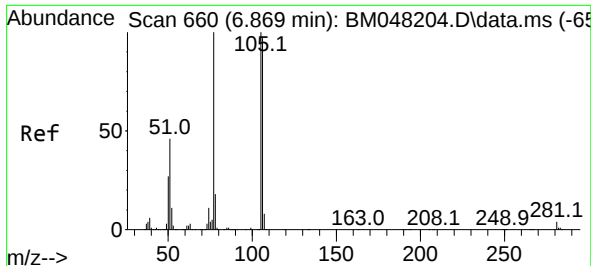
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#8
2-Chlorophenol
Concen: 5.199 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:128 Resp: 67461
Ion Ratio Lower Upper
128 100
130 31.5 12.1 52.1
64 46.8 23.8 63.8





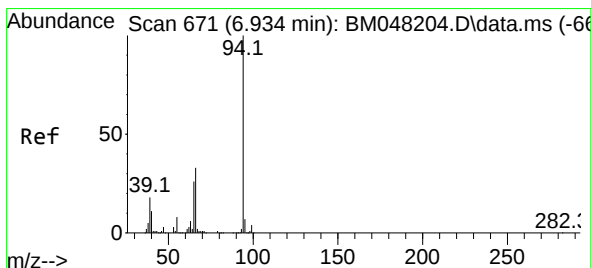
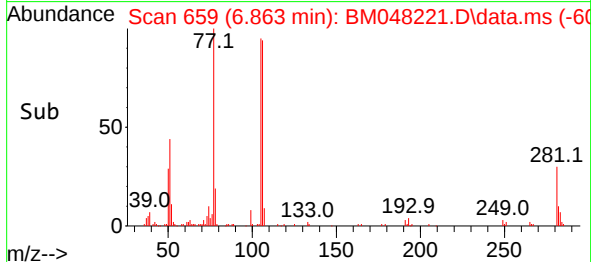
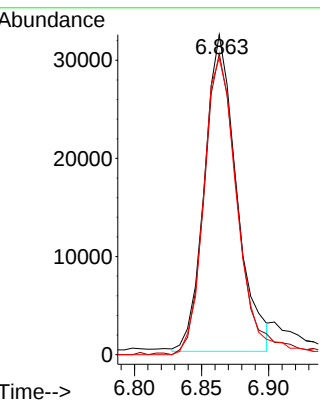
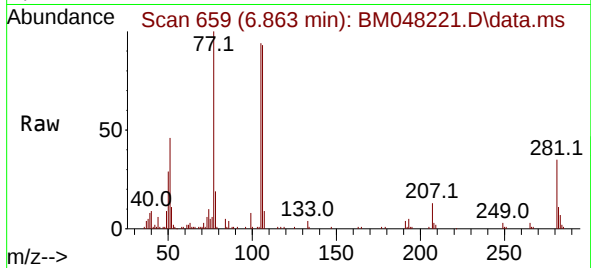
#9
Benzaldehyde
Concen: 7.025 ng m
RT: 6.863 min Scan# 610
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 5368
Ion Ratio Lower Upper
77 100
105 94.1 79.6 119.6
106 92.7 77.0 117.0

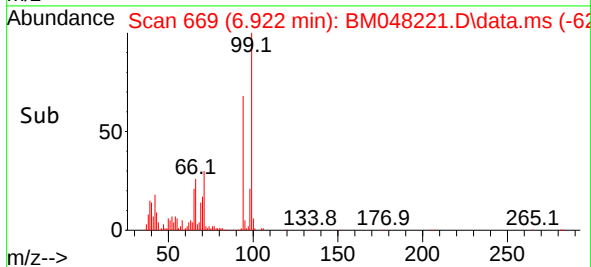
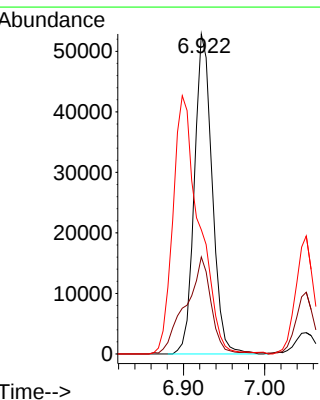
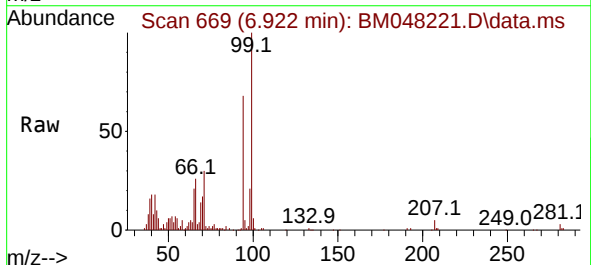
Manual Integrations
APPROVED

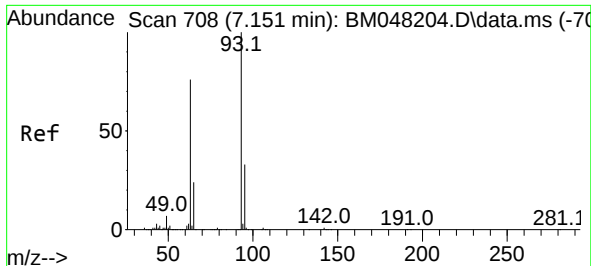
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#10
Phenol
Concen: 5.138 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.012 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

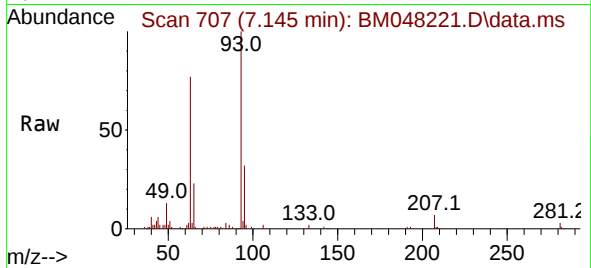
Tgt Ion: 94 Resp: 80418
Ion Ratio Lower Upper
94 100
65 30.3 6.5 46.5
66 38.8 13.6 53.6





#11
bis(2-Chloroethyl)ether
Concen: 5.109 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

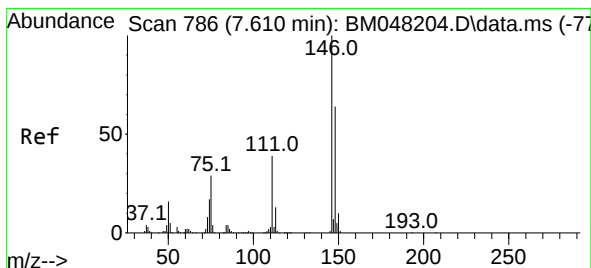
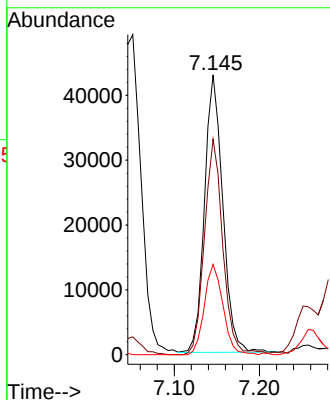
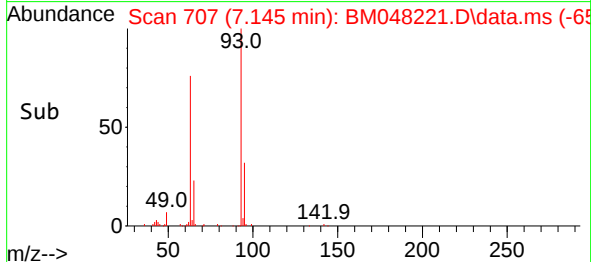
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 93 Resp: 6368
Ion Ratio Lower Upper
93 100
63 77.0 55.3 95.3
95 32.2 12.4 52.4

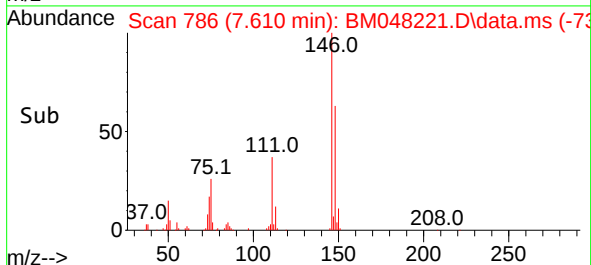
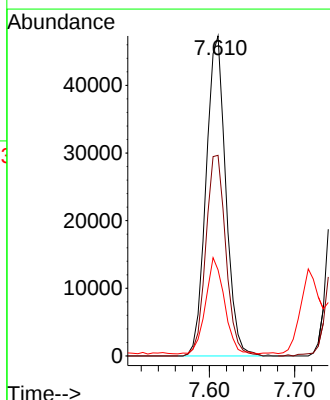
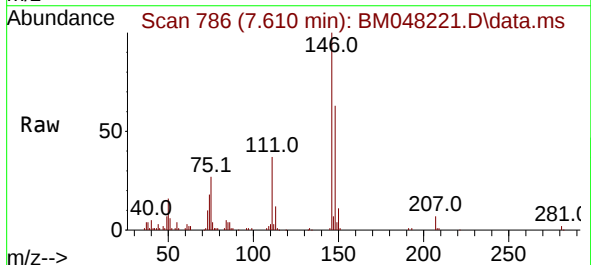
Manual Integrations
APPROVED

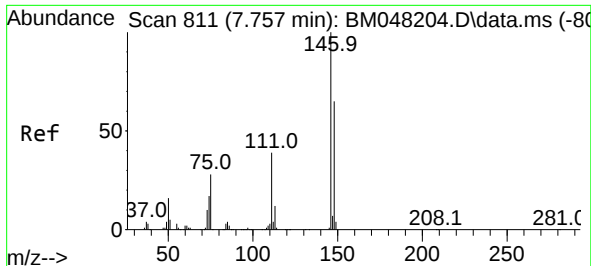
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#12
1,3-Dichlorobenzene
Concen: 5.083 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:146 Resp: 76052
Ion Ratio Lower Upper
146 100
148 62.7 51.0 76.6
75 26.9 22.9 34.3





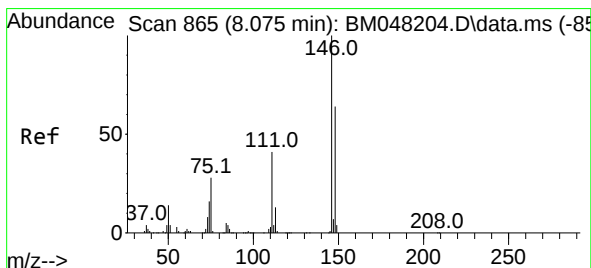
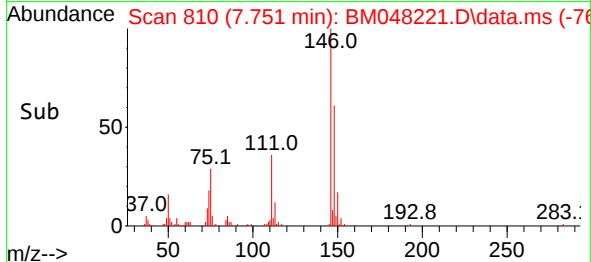
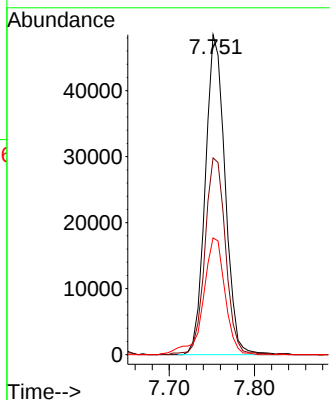
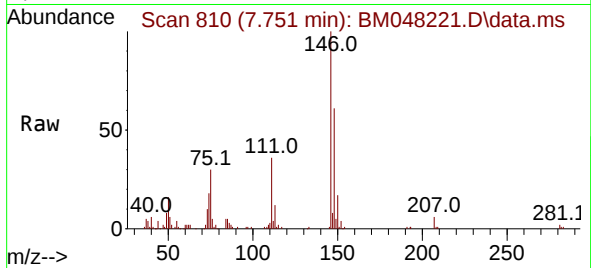
#13
1,4-Dichlorobenzene
Concen: 5.152 ng
RT: 7.751 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:146 Resp: 78304
Ion Ratio Lower Upper
146 100
148 61.5 51.7 77.5
111 36.5 31.4 47.2

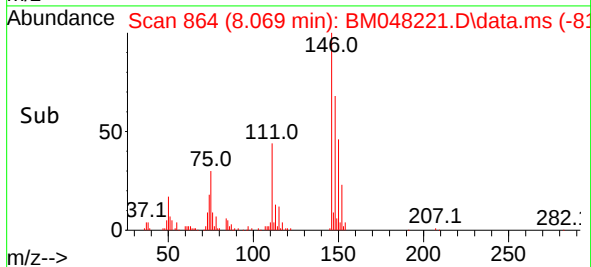
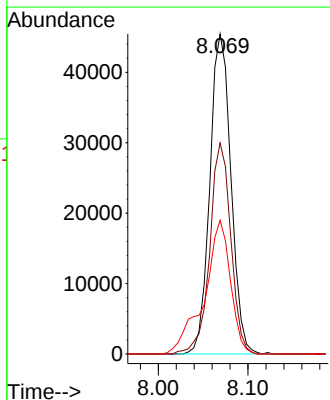
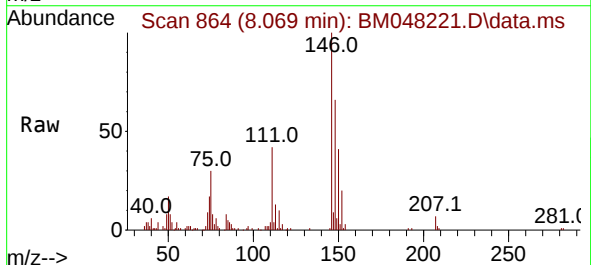
Manual Integrations
APPROVED

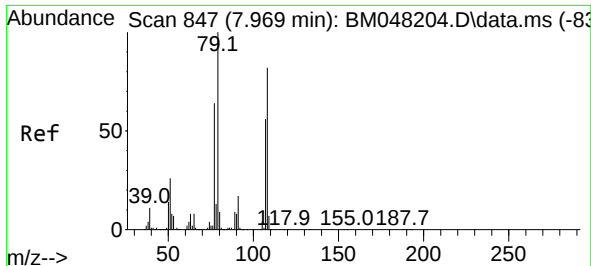
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#14
1,2-Dichlorobenzene
Concen: 5.047 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:146 Resp: 74132
Ion Ratio Lower Upper
146 100
148 65.9 51.3 76.9
111 41.8 32.7 49.1





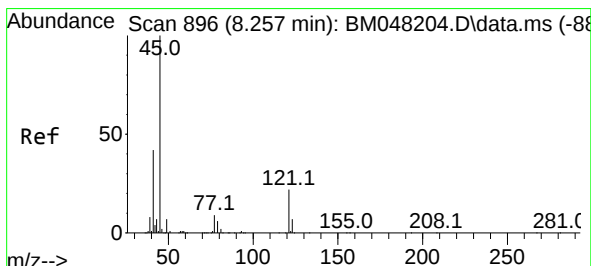
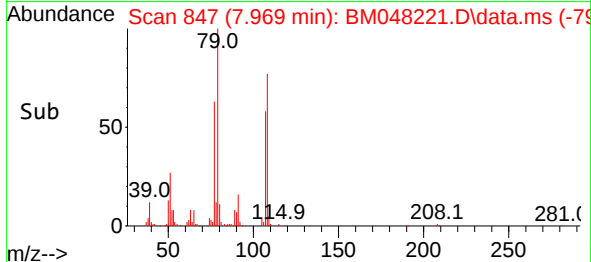
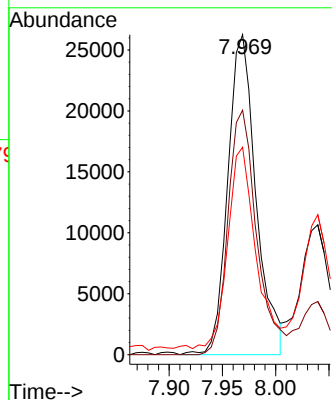
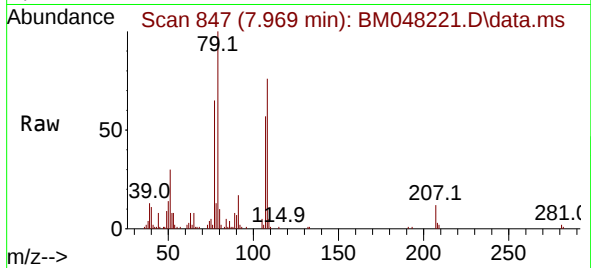
#15
Benzyl Alcohol
Concen: 4.884 ng
RT: 7.969 min Scan# 847
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 79 Resp: 4847
Ion Ratio Lower Upper
79 100
108 76.4 65.2 97.8
77 64.8 51.4 77.2

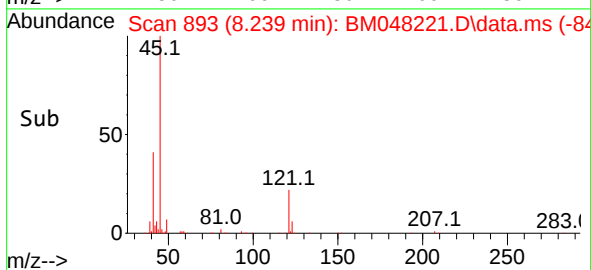
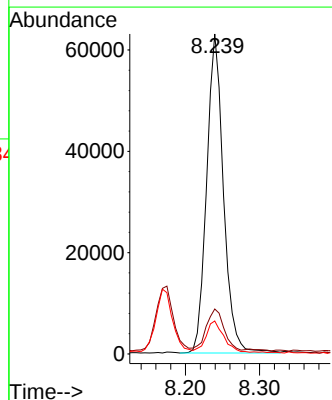
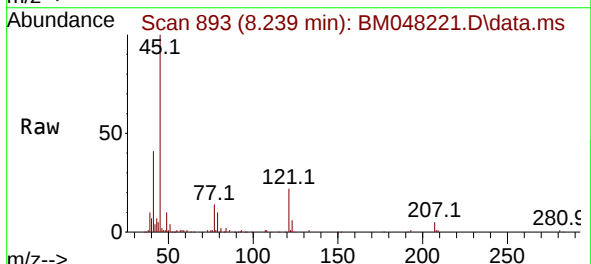
Manual Integrations
APPROVED

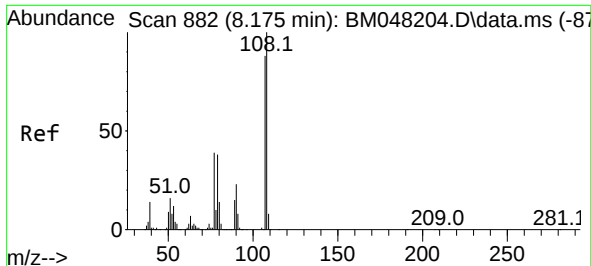
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.456 ng
RT: 8.239 min Scan# 893
Delta R.T. -0.018 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

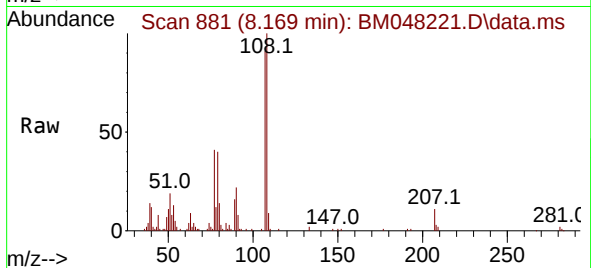
Tgt Ion: 45 Resp: 99483
Ion Ratio Lower Upper
45 100
77 14.0 0.0 34.2
79 10.3 0.0 30.7





#17
2-Methylphenol
Concen: 4.682 ng
RT: 8.169 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

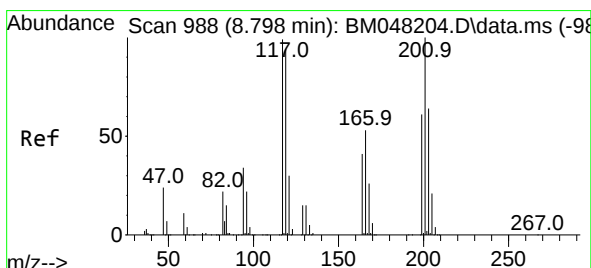
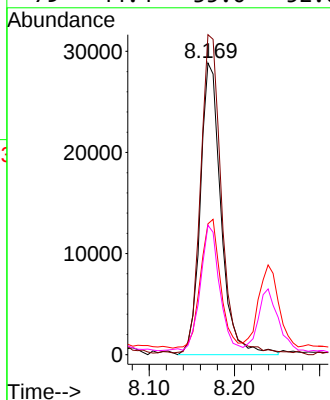
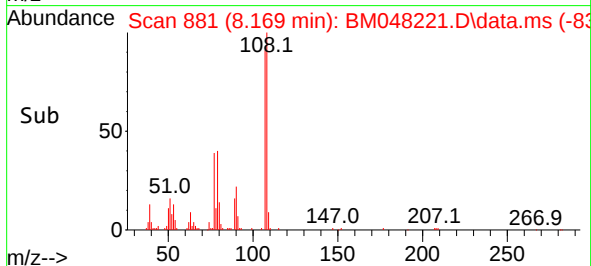
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:107 Resp: 4869
Ion Ratio Lower Upper
107 100
108 109.7 91.3 136.9
77 44.9 36.2 54.2
79 44.4 35.0 52.6

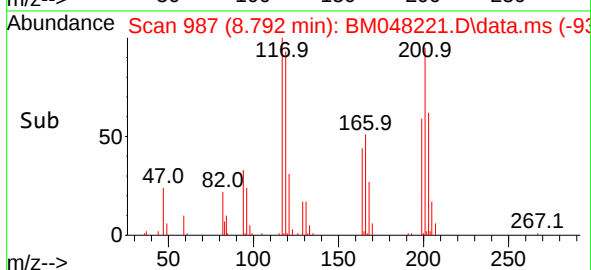
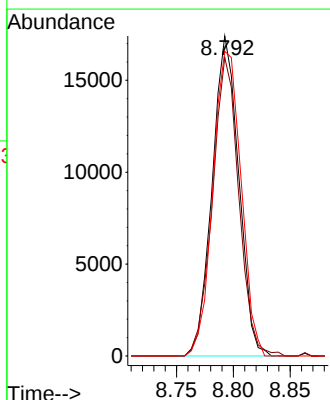
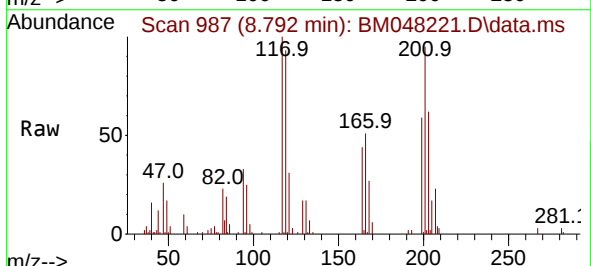
Manual Integrations
APPROVED

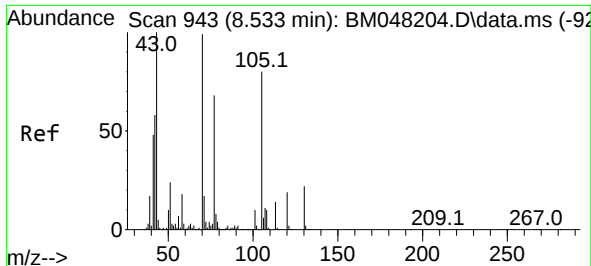
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#18
Hexachloroethane
Concen: 5.063 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

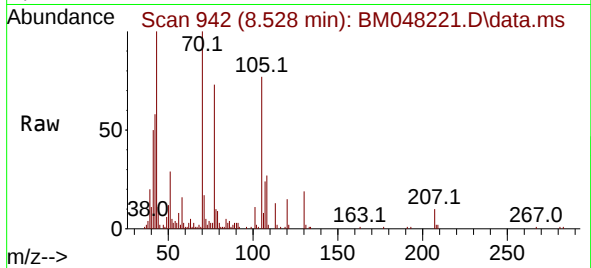
Tgt Ion:117 Resp: 28206
Ion Ratio Lower Upper
117 100
119 93.3 76.5 114.7
201 95.2 80.9 121.3





#19
n-Nitroso-di-n-propylamine
Concen: 4.996 ng
RT: 8.528 min Scan# 943
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

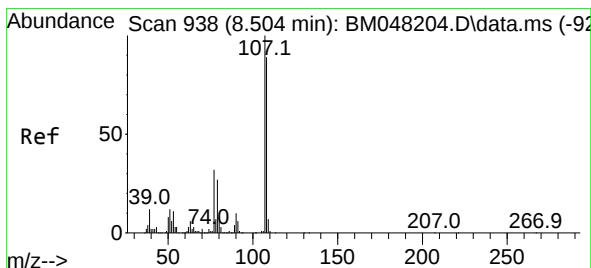
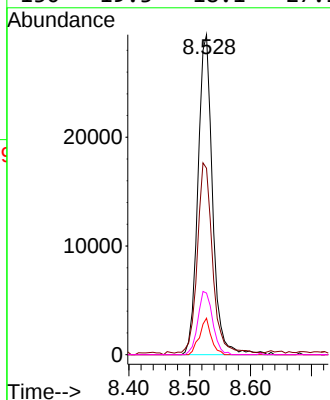
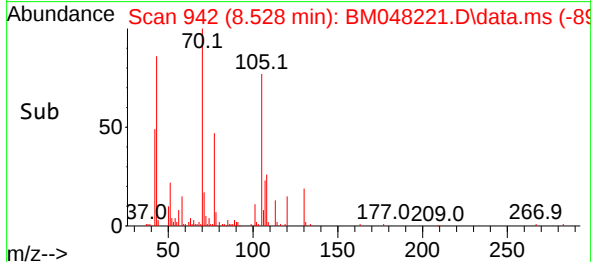
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 70 Resp: 49162
Ion Ratio Lower Upper
70 100
42 58.2 47.0 70.6
101 11.4 7.8 11.6
130 19.3 18.1 27.1

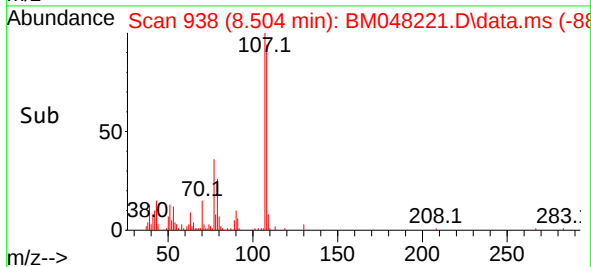
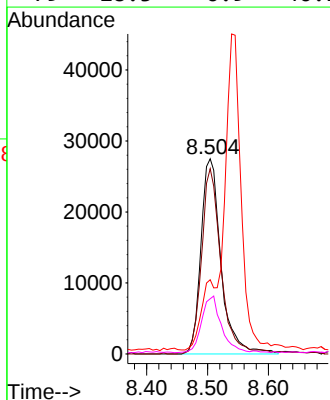
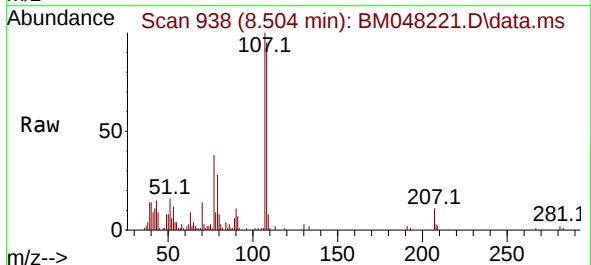
Manual Integrations
APPROVED

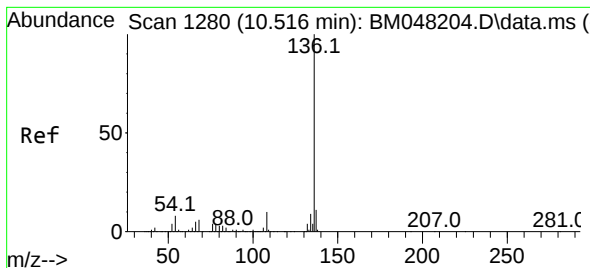
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#20
3+4-Methylphenols
Concen: 4.370 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

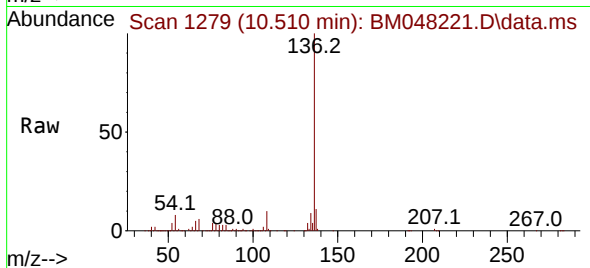
Tgt Ion:107 Resp: 62948
Ion Ratio Lower Upper
107 100
108 95.0 69.0 109.0
77 38.1 12.3 52.3
79 28.3 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

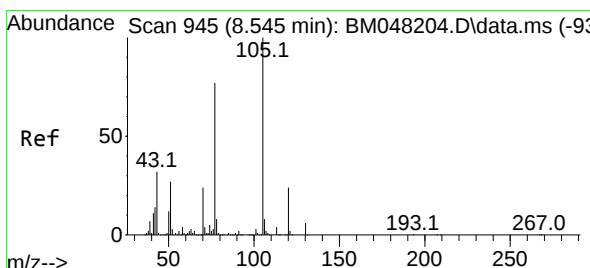
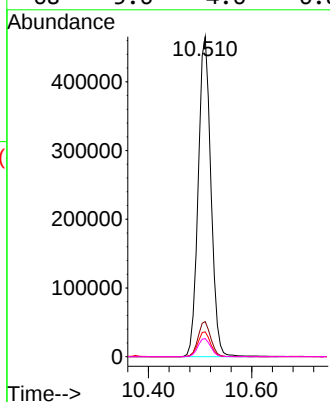
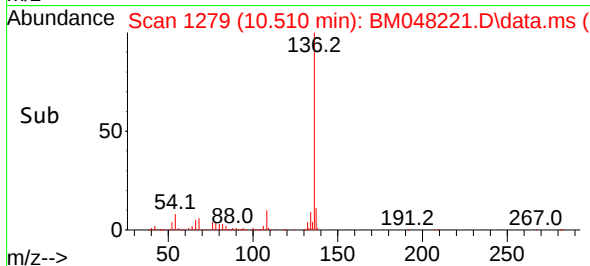
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:136 Resp: 794478
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.7 6.5 9.7
68 5.6 4.6 6.8

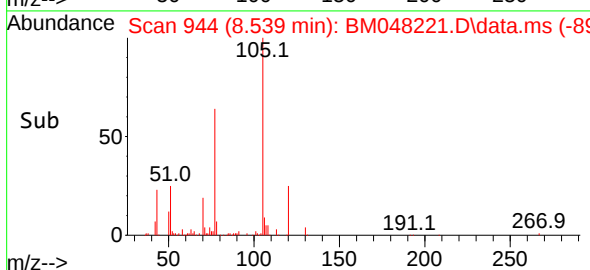
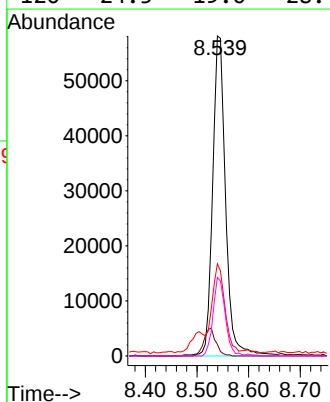
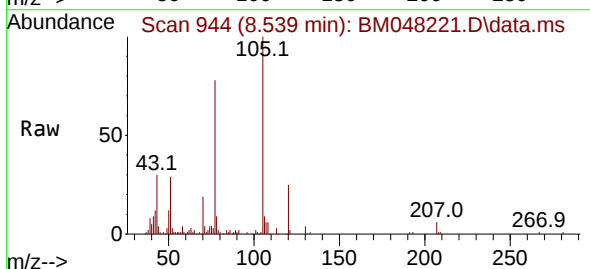
Manual Integrations
APPROVED

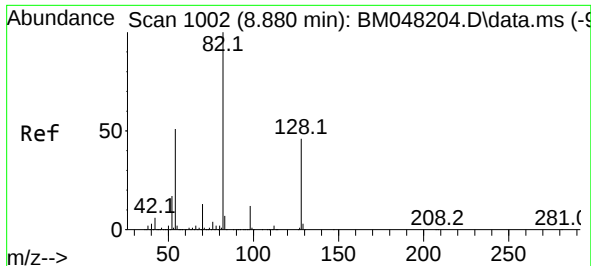
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#22
Acetophenone
Concen: 5.226 ng
RT: 8.539 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

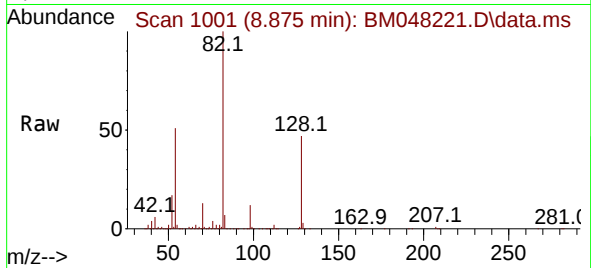
Tgt Ion:105 Resp: 101332
Ion Ratio Lower Upper
105 100
71 3.7 3.4 5.0
51 28.8 21.7 32.5
120 24.5 19.0 28.4





#23
Nitrobenzene-d5
Concen: 72.976 ng
RT: 8.875 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

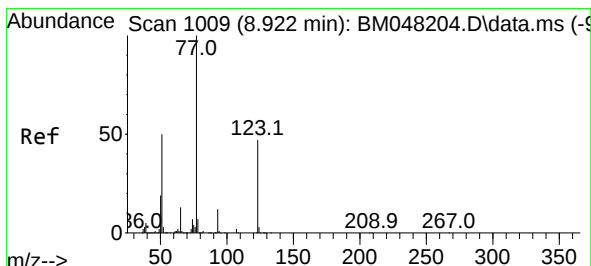
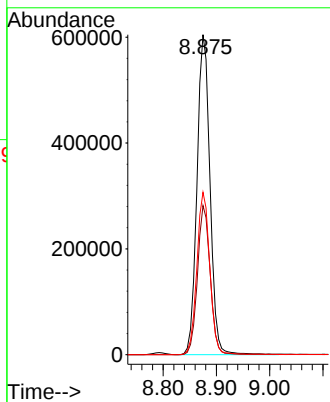
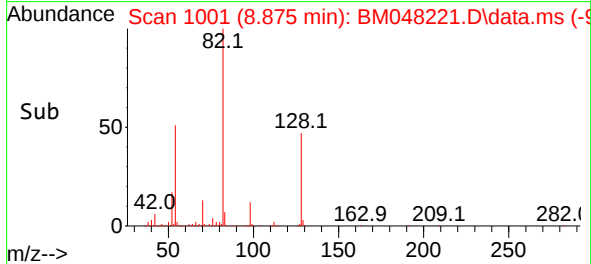
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 102683
Ion Ratio Lower Upper
82 100
128 46.6 36.6 54.8
54 50.7 41.0 61.4

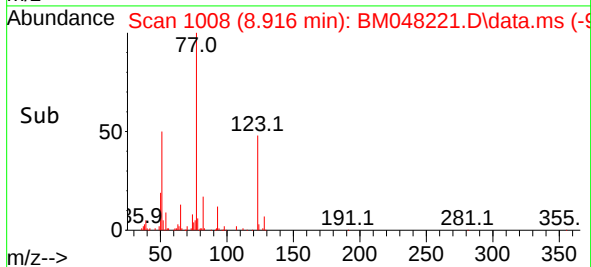
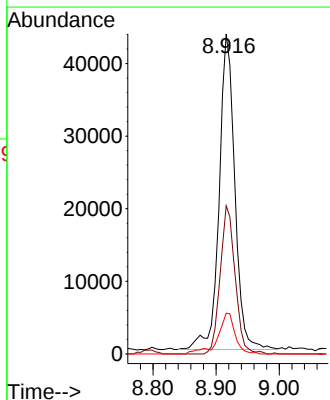
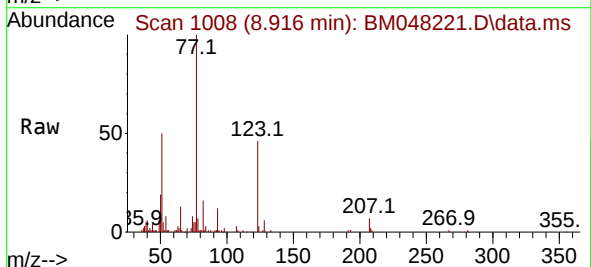
Manual Integrations
APPROVED

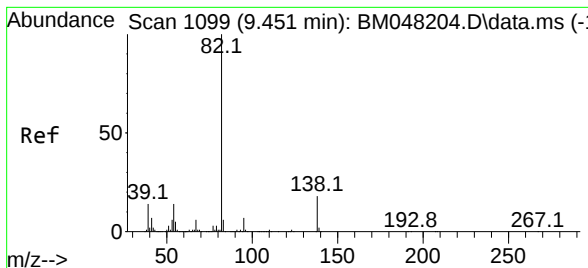
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#24
Nitrobenzene
Concen: 5.157 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 77 Resp: 75177
Ion Ratio Lower Upper
77 100
123 46.3 37.8 56.6
65 12.7 10.4 15.6





#25

Isophorone

Concen: 5.015 ng

RT: 9.445 min Scan# 1099

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

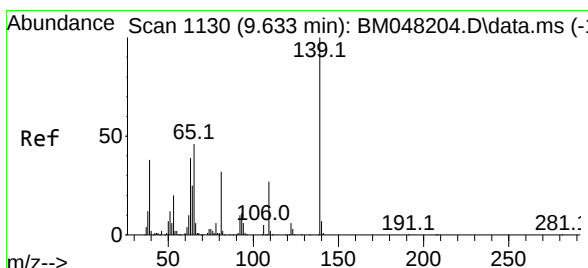
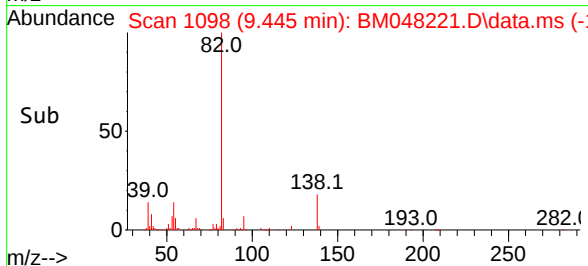
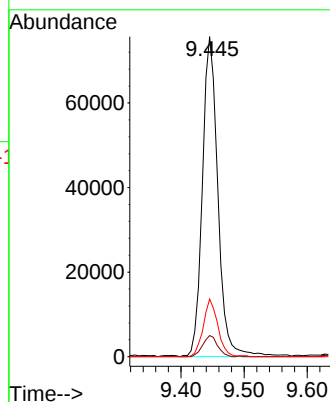
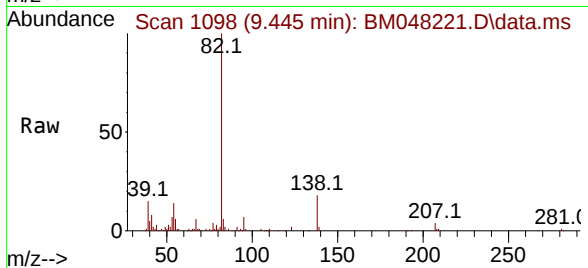
Tgt Ion: 82 Resp: 12934
 Ion Ratio Lower Upper
 82 100
 95 6.6 5.3 7.9
 138 18.0 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#26

2-Nitrophenol

Concen: 4.345 ng

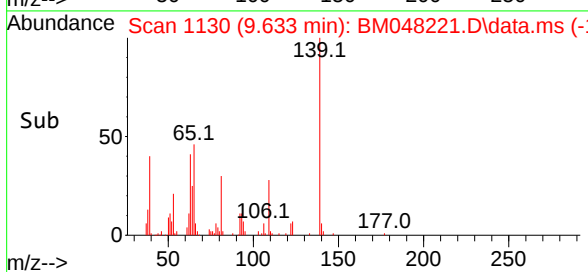
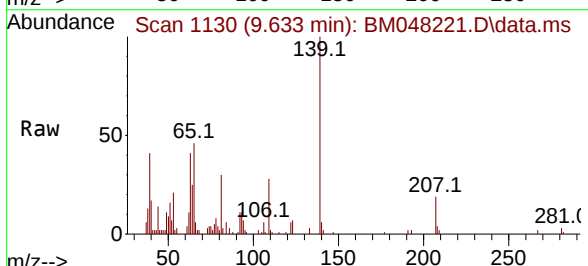
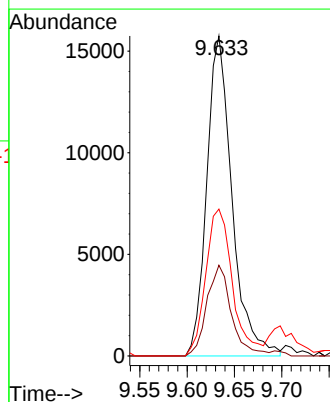
RT: 9.633 min Scan# 1130

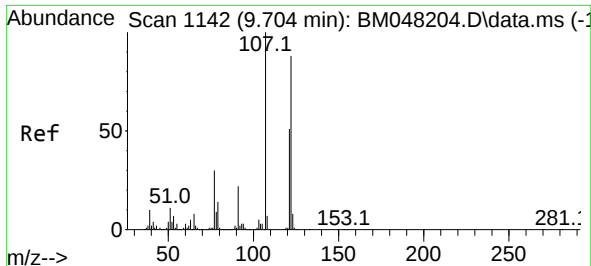
Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

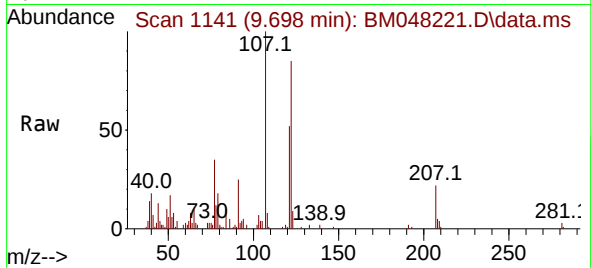
Tgt Ion:139 Resp: 29248
 Ion Ratio Lower Upper
 139 100
 109 28.4 21.2 31.8
 65 45.9 36.8 55.2





#27
2,4-Dimethylphenol
Concen: 3.211 ng m
RT: 9.698 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

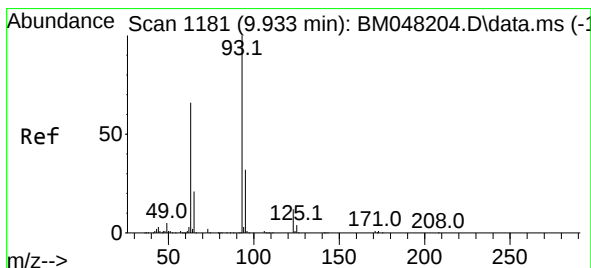
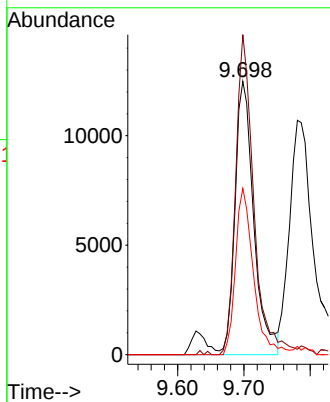
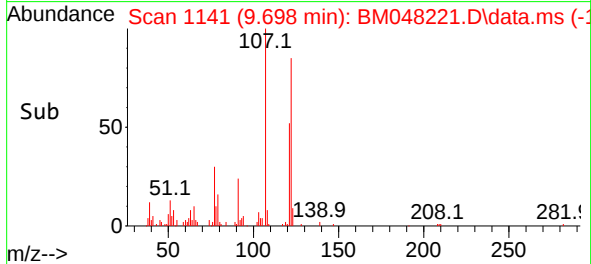
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:122 Resp: 2622
Ion Ratio Lower Upper
122 100
107 117.1 91.0 136.6
121 60.9 46.1 69.1

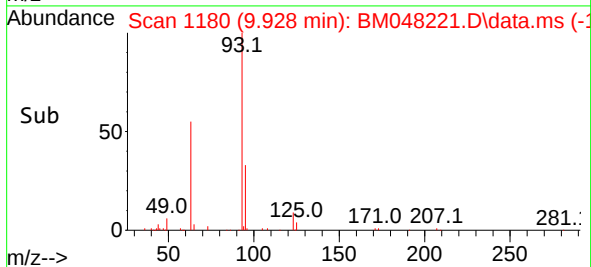
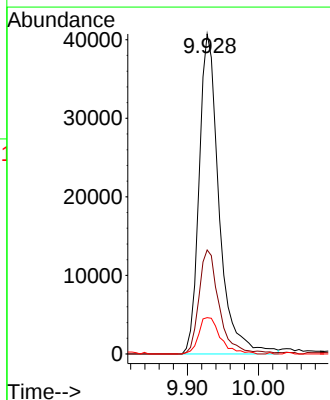
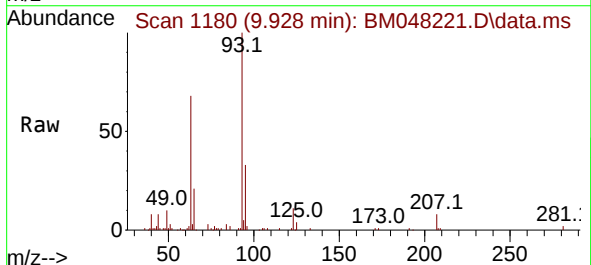
Manual Integrations
APPROVED

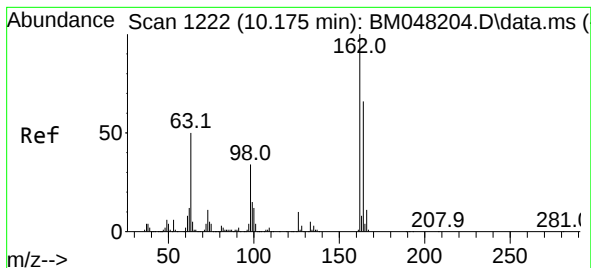
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#28
bis(2-Chloroethoxy)methane
Concen: 4.878 ng
RT: 9.928 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

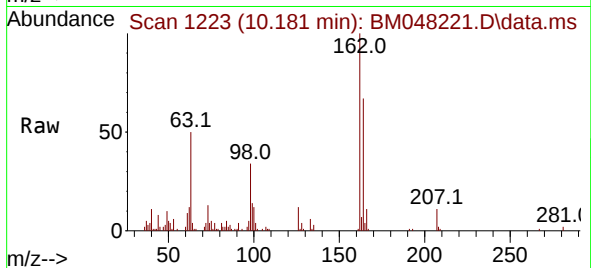
Tgt Ion: 93 Resp: 79621
Ion Ratio Lower Upper
93 100
95 32.5 25.3 37.9
123 11.3 9.8 14.6





#29
2,4-Dichlorophenol
Concen: 4.497 ng
RT: 10.181 min Scan# 1222
Delta R.T. 0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

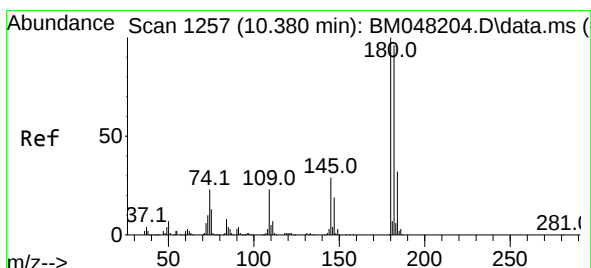
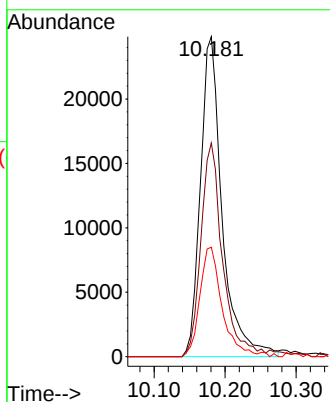
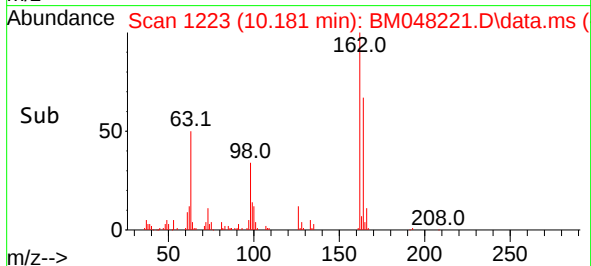
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



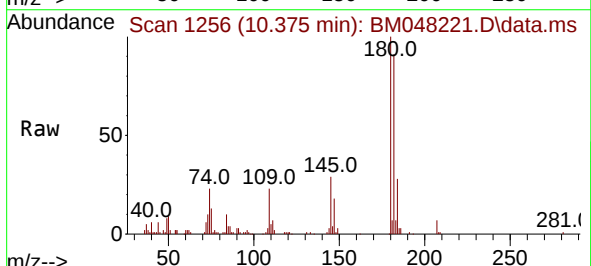
Tgt Ion:162 Resp: 5283
Ion Ratio Lower Upper
162 100
164 66.8 46.0 86.0
98 34.2 14.4 54.4

Manual Integrations
APPROVED

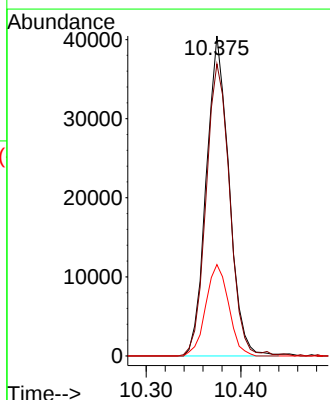
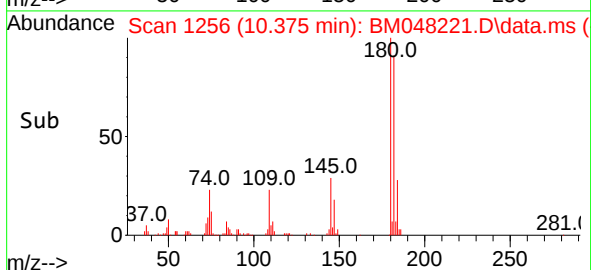
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

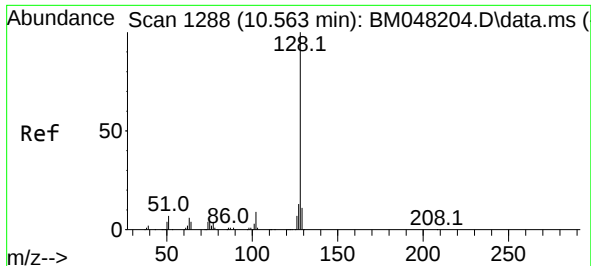


#30
1,2,4-Trichlorobenzene
Concen: 5.013 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48



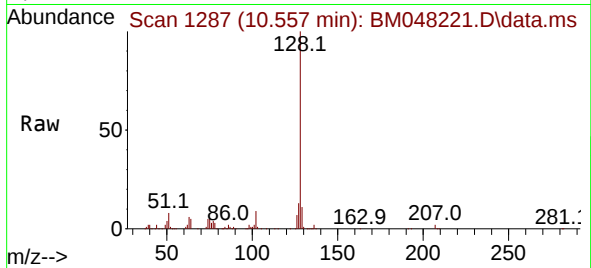
Tgt Ion:180 Resp: 67450
Ion Ratio Lower Upper
180 100
182 91.3 76.6 115.0
145 28.5 23.4 35.2





#31
Naphthalene
Concen: 5.000 ng
RT: 10.557 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

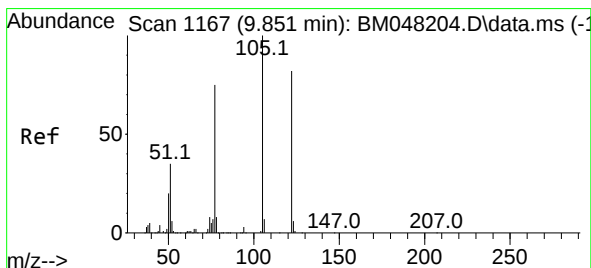
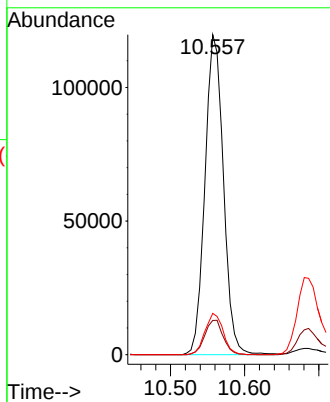
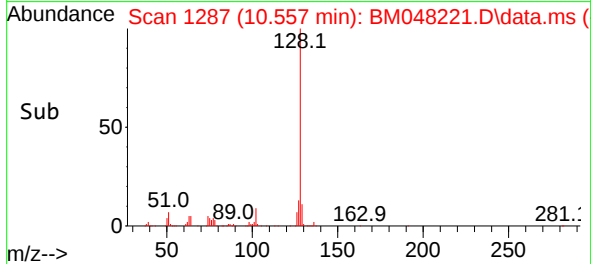
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:128 Resp: 207204
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.9 10.2 15.2

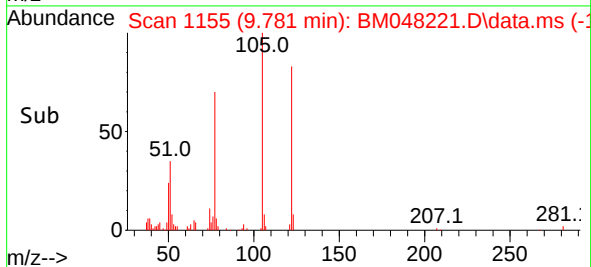
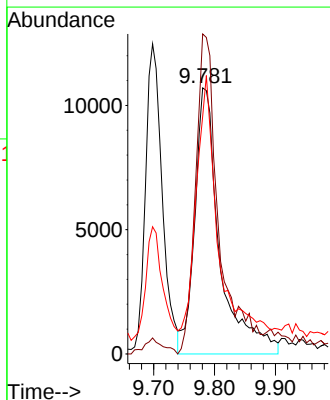
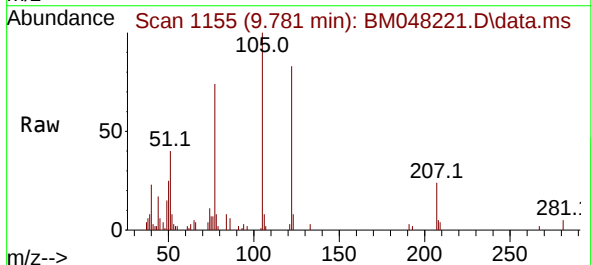
Manual Integrations
APPROVED

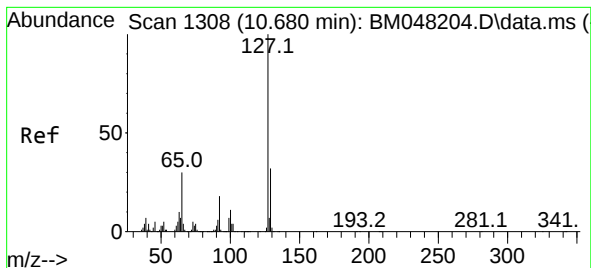
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#32
Benzoic acid
Concen: 3.372 ng m
RT: 9.781 min Scan# 1155
Delta R.T. -0.070 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

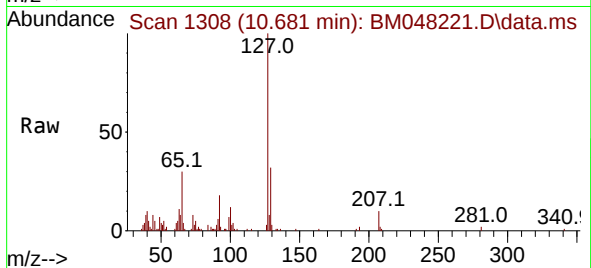
Tgt Ion:122 Resp: 30653
Ion Ratio Lower Upper
122 100
105 120.2 99.3 139.3
77 89.3 70.4 110.4





#33
4-Chloroaniline
Concen: 5.086 ng
RT: 10.681 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

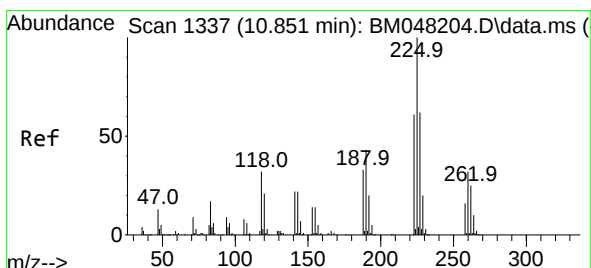
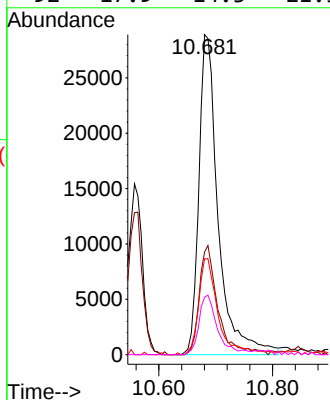
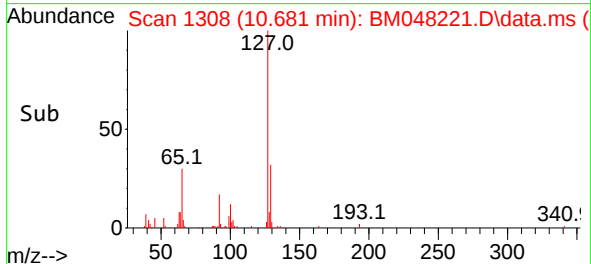
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:127 Resp: 6835
Ion Ratio Lower Upper
127 100
129 32.1 25.8 38.6
65 29.9 23.7 35.5
92 17.9 14.3 21.5

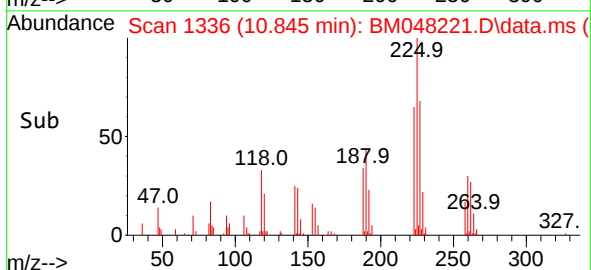
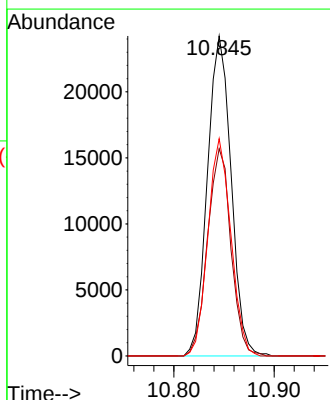
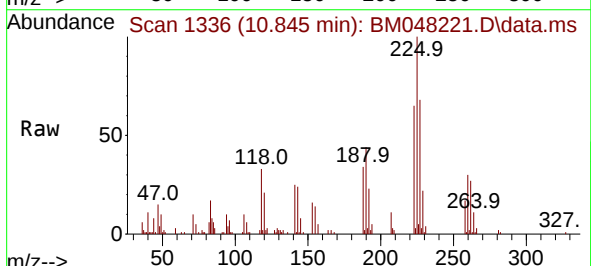
Manual Integrations
APPROVED

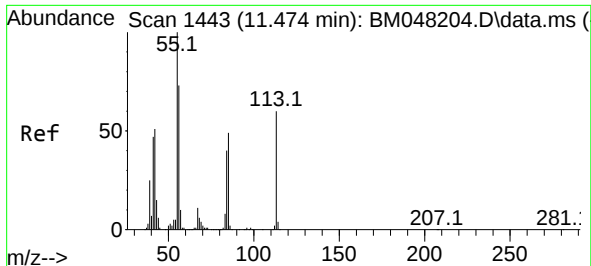
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#34
Hexachlorobutadiene
Concen: 4.779 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

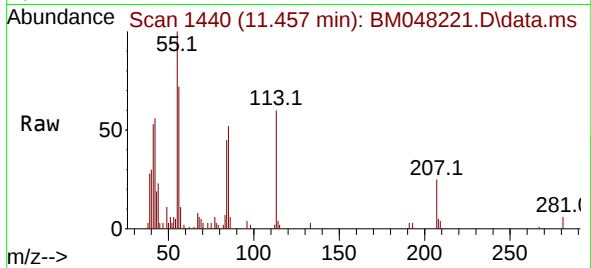
Tgt Ion:225 Resp: 39850
Ion Ratio Lower Upper
225 100
223 64.8 48.6 73.0
227 67.9 49.6 74.4





#35
Caprolactam
Concen: 4.092 ng
RT: 11.457 min Scan# 1443
Delta R.T. -0.018 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

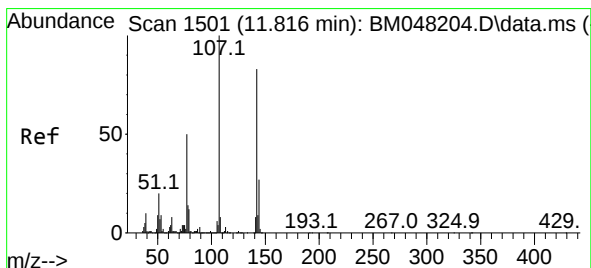
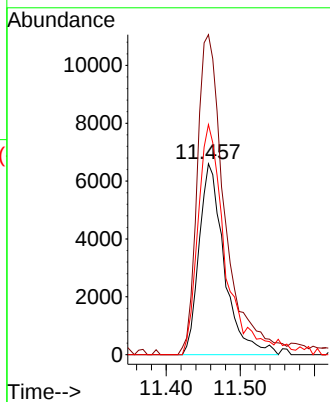
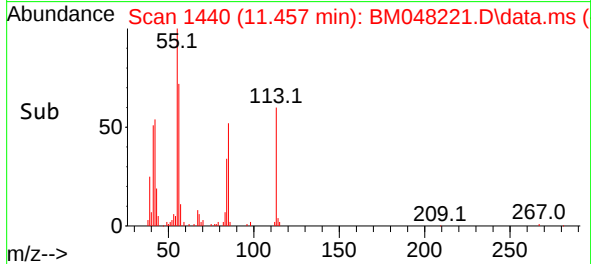
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:113 Resp: 15619
Ion Ratio Lower Upper
113 100
55 167.7 146.1 186.1
56 120.6 101.9 141.9

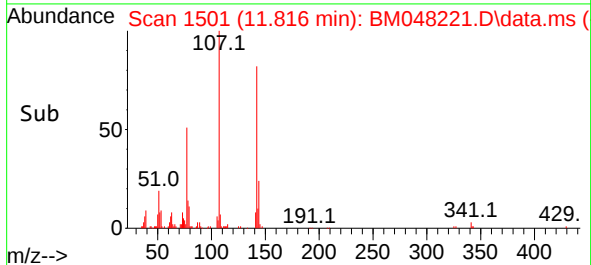
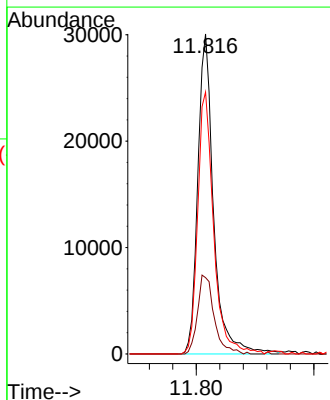
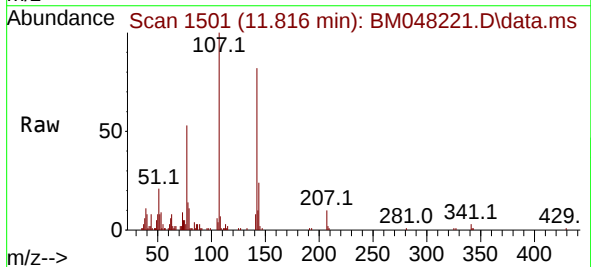
Manual Integrations
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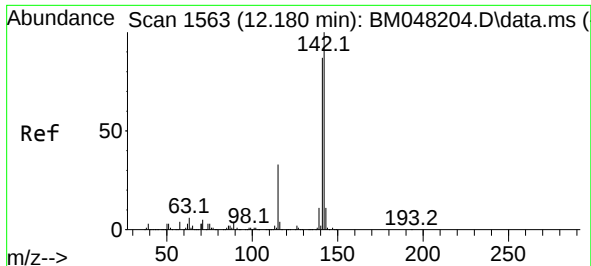
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#36
4-Chloro-3-methylphenol
Concen: 4.557 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

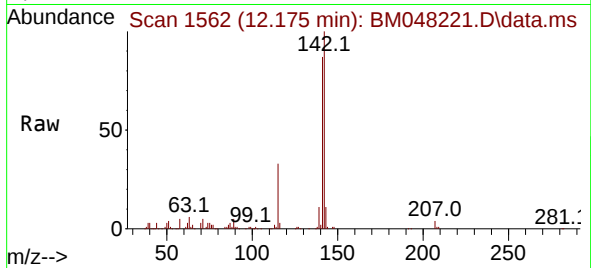
Tgt Ion:107 Resp: 55892
Ion Ratio Lower Upper
107 100
144 23.9 21.5 32.3
142 81.8 66.8 100.2





#37
2-Methylnaphthalene
Concen: 4.923 ng
RT: 12.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

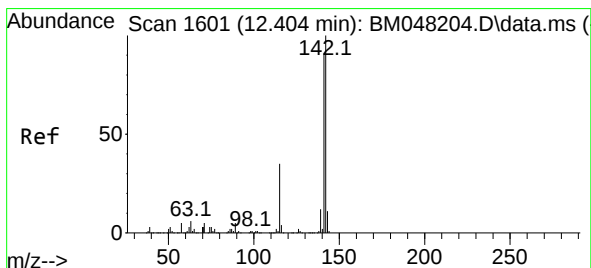
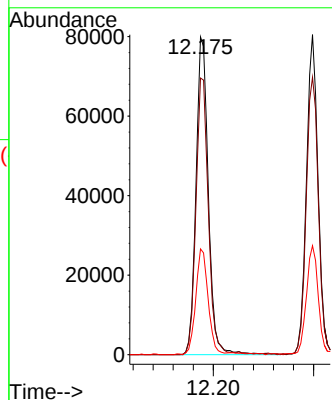
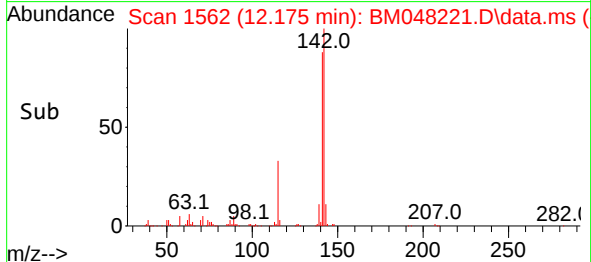
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:142 Resp: 136280
Ion Ratio Lower Upper
142 100
141 87.1 69.8 104.6
115 33.3 26.3 39.5

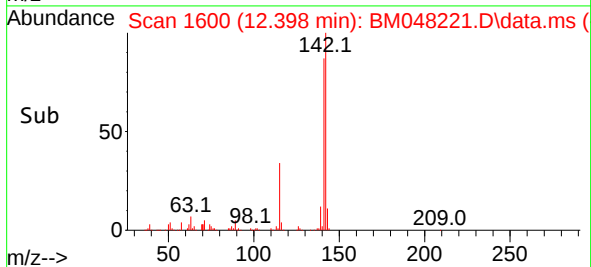
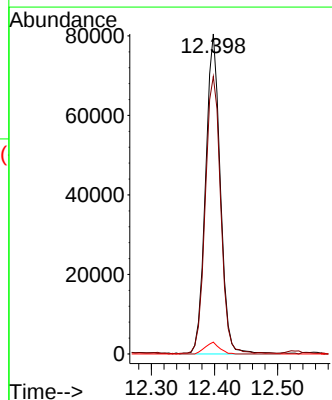
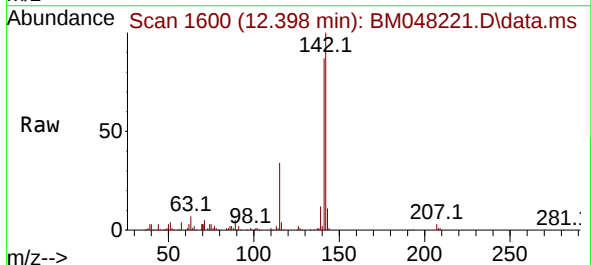
Manual Integrations
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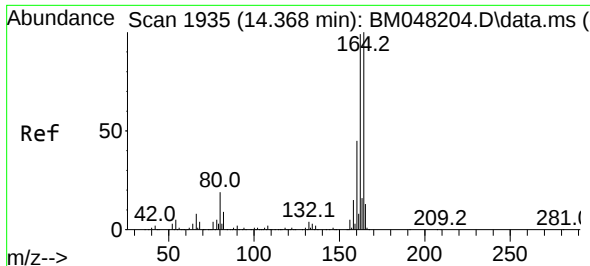
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#38
1-Methylnaphthalene
Concen: 4.763 ng
RT: 12.398 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

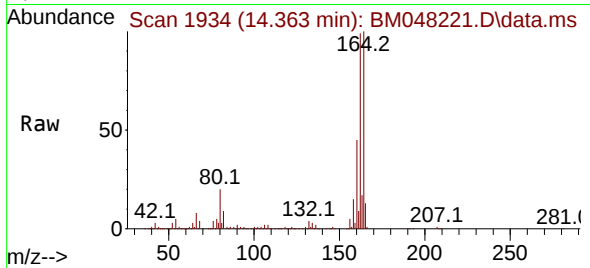
Tgt Ion:142 Resp: 130751
Ion Ratio Lower Upper
142 100
141 86.7 72.7 109.1
116 3.7 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

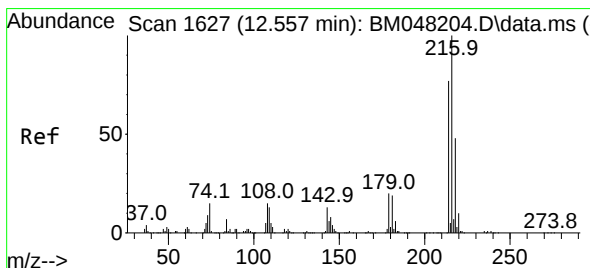
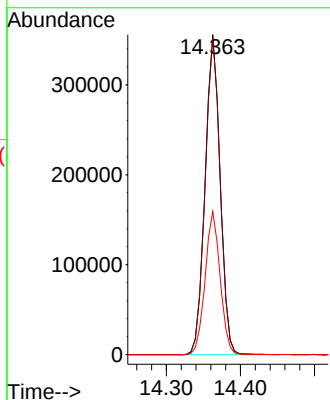
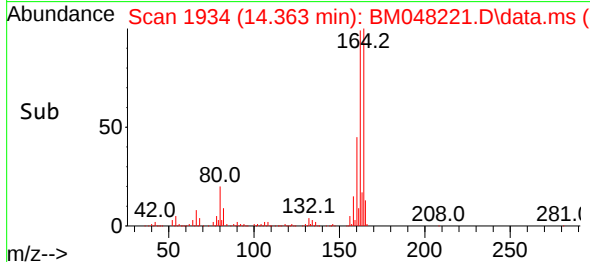
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 501629
Ion Ratio Lower Upper
164 100
162 99.2 79.1 118.7
160 44.8 35.8 53.8

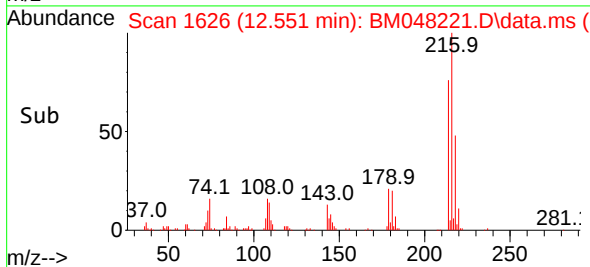
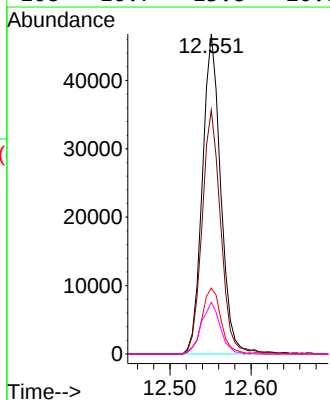
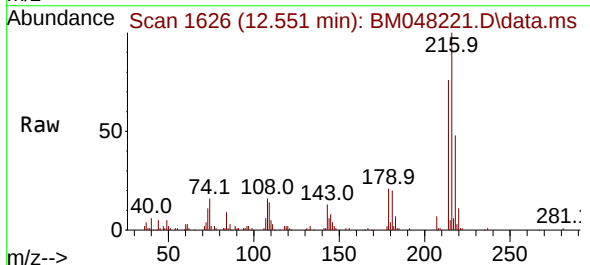
Manual Integrations
APPROVED

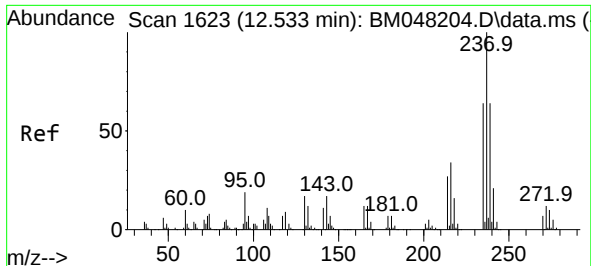
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.123 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

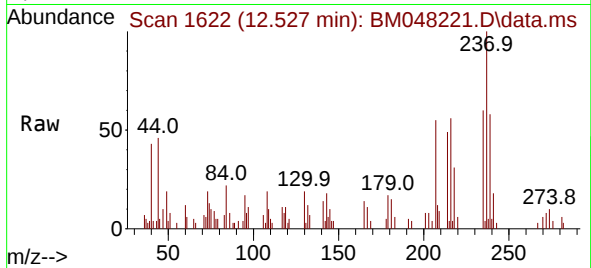
Tgt Ion:216 Resp: 73446
Ion Ratio Lower Upper
216 100
214 77.6 62.2 93.2
179 21.3 16.0 24.0
108 16.7 13.8 20.8





#41
Hexachlorocyclopentadiene
Concen: 1.517 ng
RT: 12.527 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

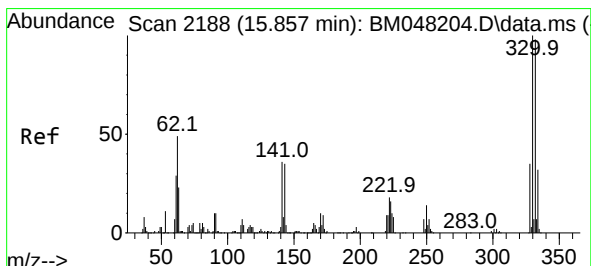
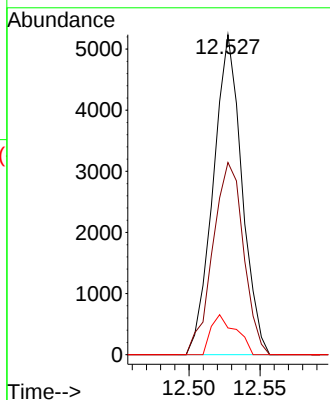
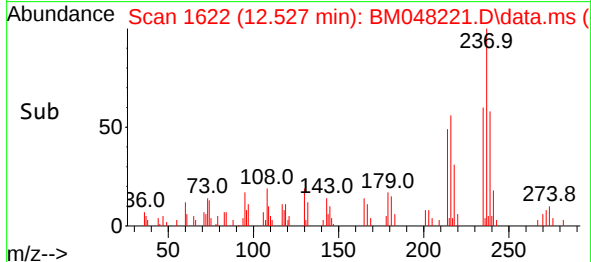
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:237 Resp: 7359
Ion Ratio Lower Upper
237 100
235 60.0 44.2 84.2
272 8.4 0.0 32.4

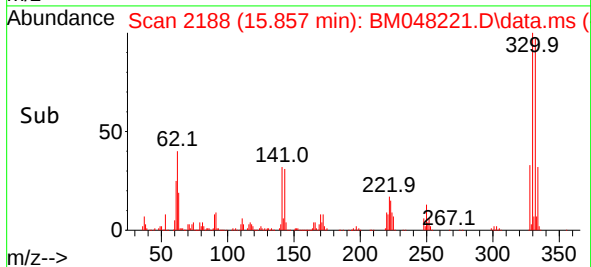
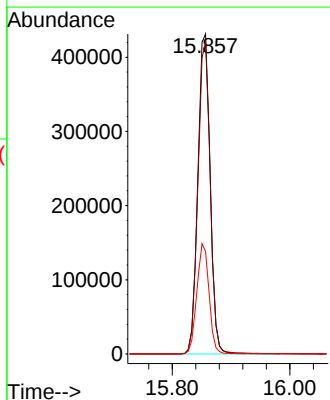
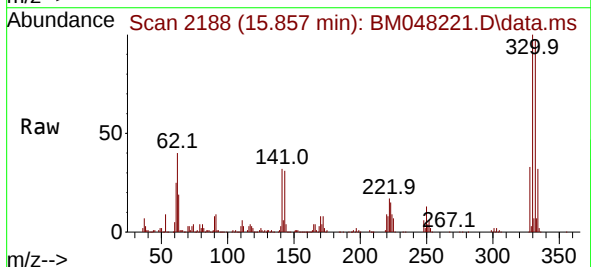
Manual Integrations
APPROVED

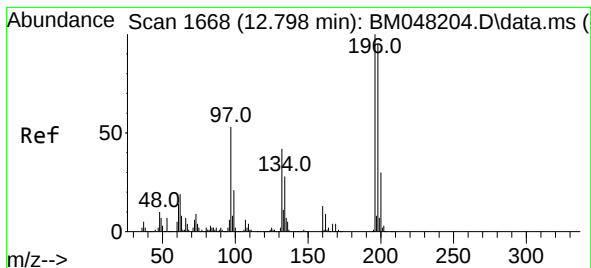
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#42
2,4,6-Tribromophenol
Concen: 102.513 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

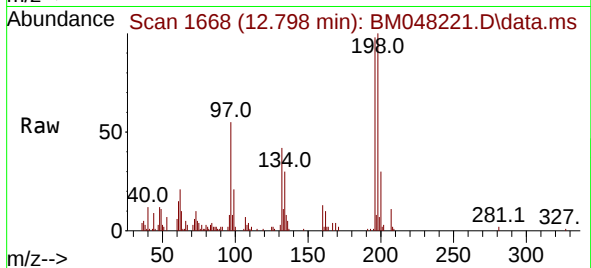
Tgt Ion:330 Resp: 629420
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 34.2 27.5 41.3





#43
2,4,6-Trichlorophenol
Concen: 4.504 ng
RT: 12.798 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

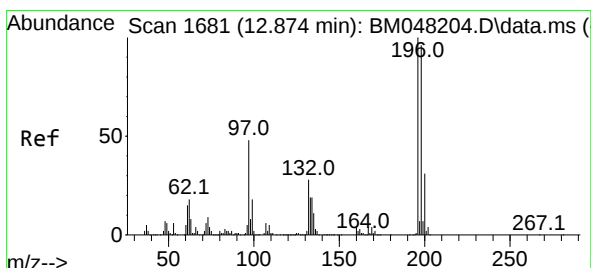
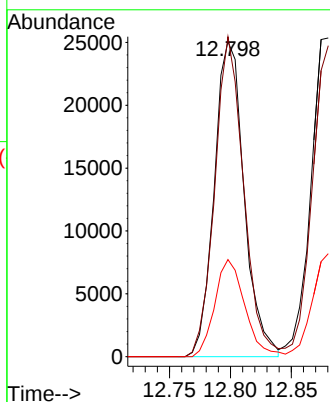
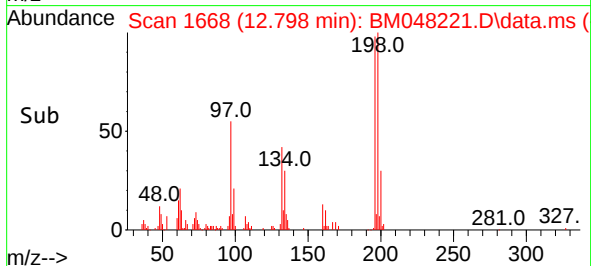
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



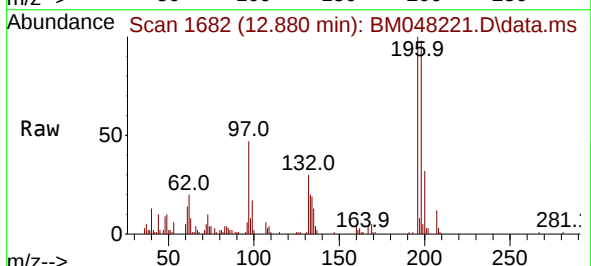
Tgt Ion:196 Resp: 4285
Ion Ratio Lower Upper
196 100
198 101.5 76.2 114.2
200 30.8 24.2 36.2

Manual Integrations
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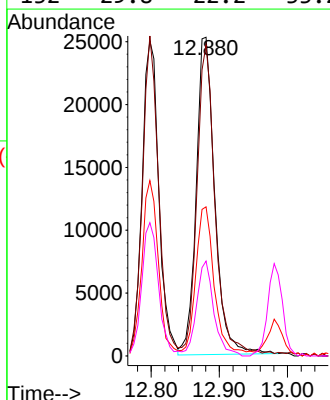
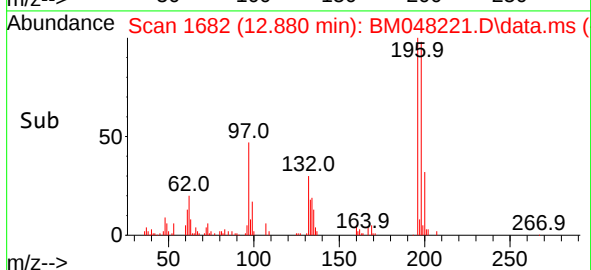
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

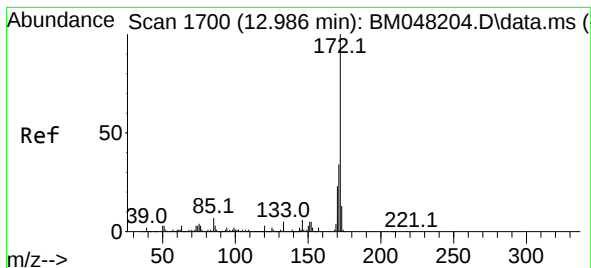


#44
2,4,5-Trichlorophenol
Concen: 4.510 ng
RT: 12.880 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48



Tgt Ion:196 Resp: 47856
Ion Ratio Lower Upper
196 100
198 97.6 76.7 115.1
97 46.8 38.5 57.7
132 29.8 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 73.036 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:172 Resp: 238752

Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

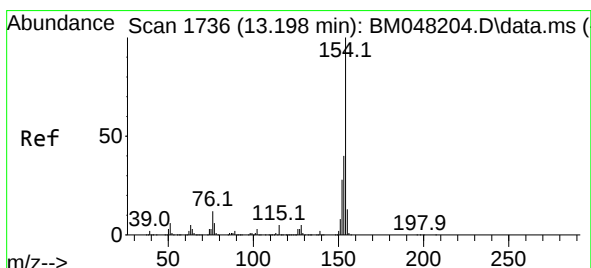
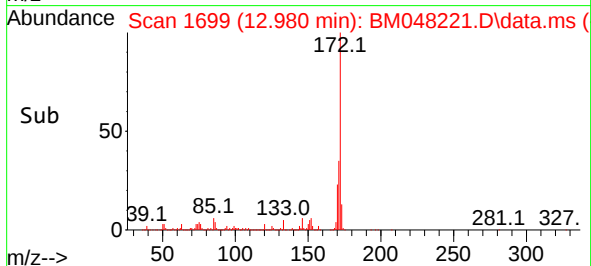
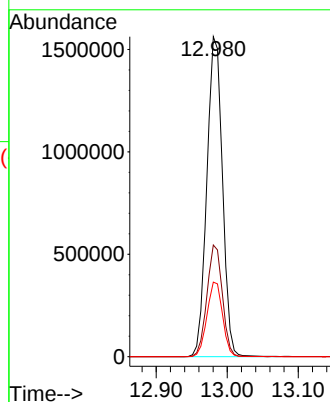
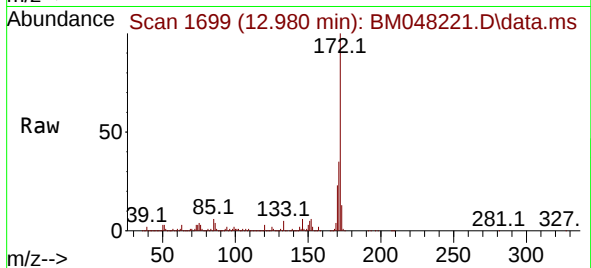
170 23.3 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#46

1,1'-Biphenyl

Concen: 5.383 ng

RT: 13.192 min Scan# 1735

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

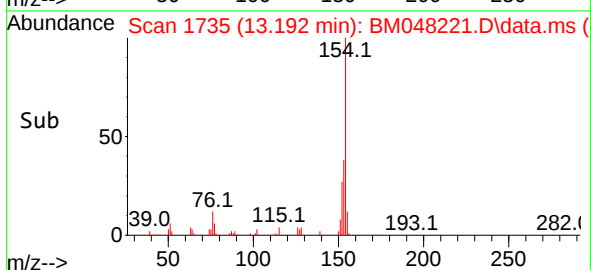
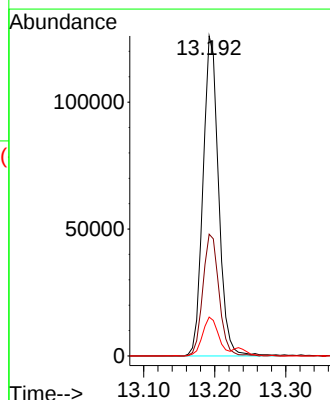
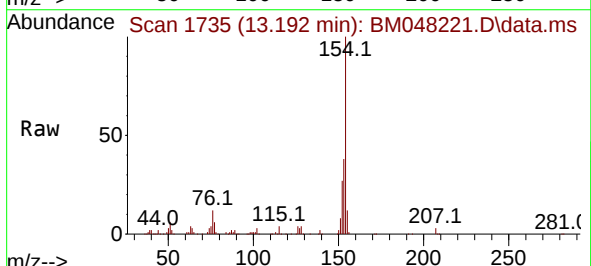
Tgt Ion:154 Resp: 192778

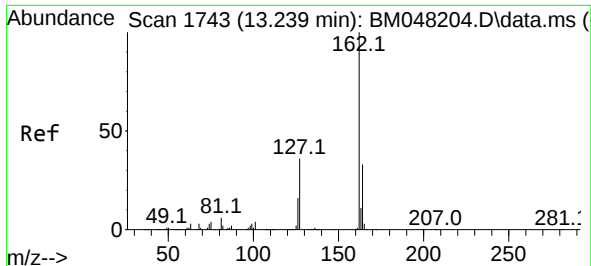
Ion Ratio Lower Upper

154 100

153 38.1 19.9 59.9

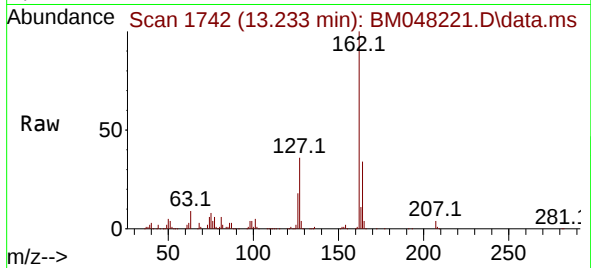
76 12.1 0.0 32.4





#47
2-Chloronaphthalene
Concen: 4.992 ng
RT: 13.233 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

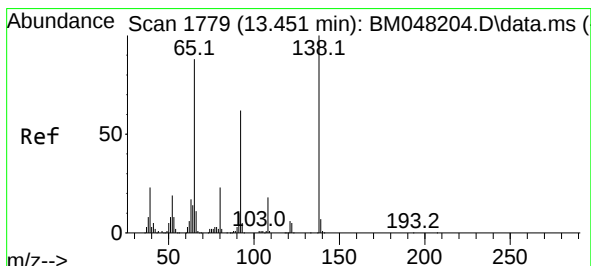
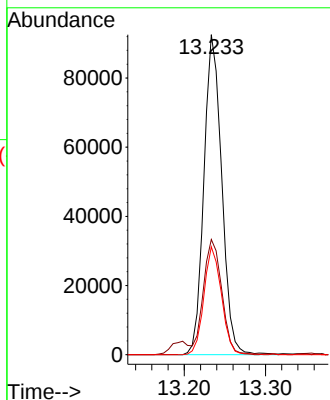
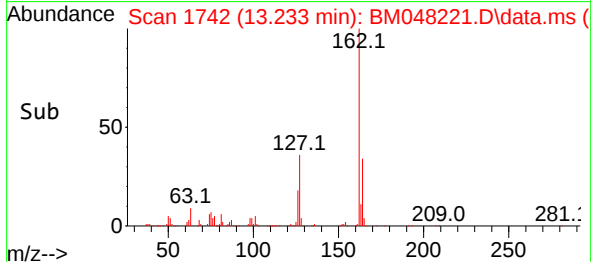
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:162 Resp: 14098
Ion Ratio Lower Upper
162 100
127 36.0 31.0 46.6
164 33.7 26.2 39.4

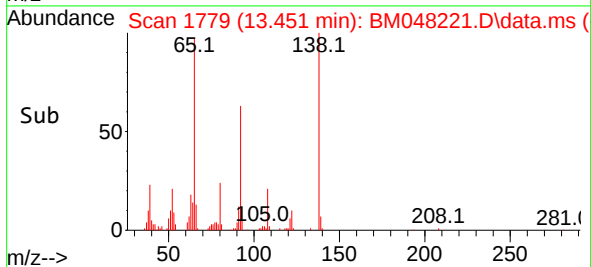
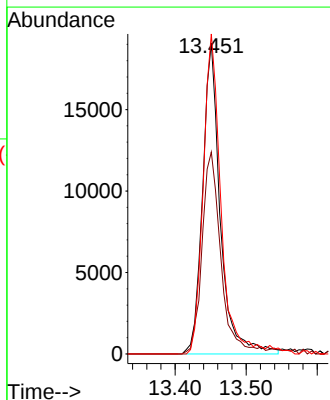
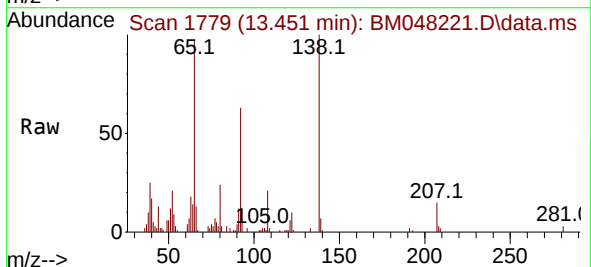
Manual Integrations
APPROVED

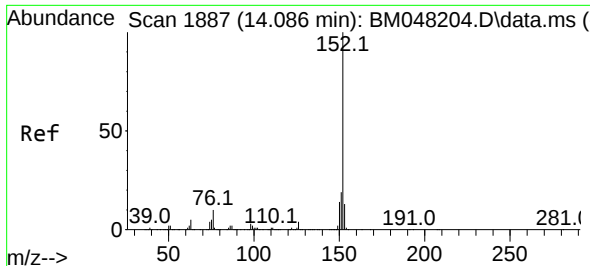
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#48
2-Nitroaniline
Concen: 4.317 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

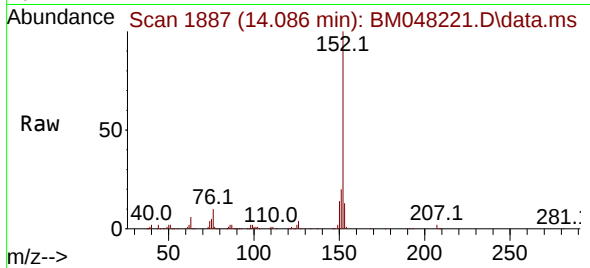
Tgt Ion: 65 Resp: 33065
Ion Ratio Lower Upper
65 100
92 64.9 56.0 84.0
138 102.9 90.8 136.2





#49
Acenaphthylene
Concen: 5.298 ng
RT: 14.086 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

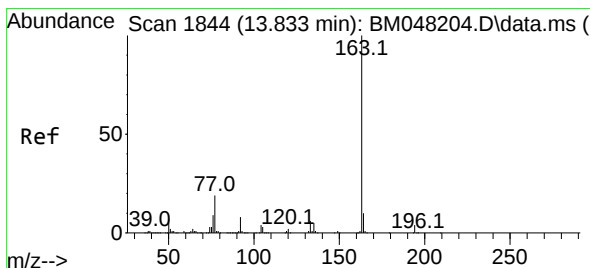
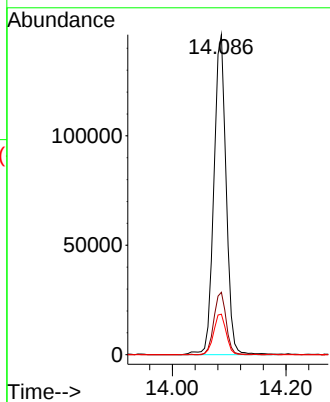
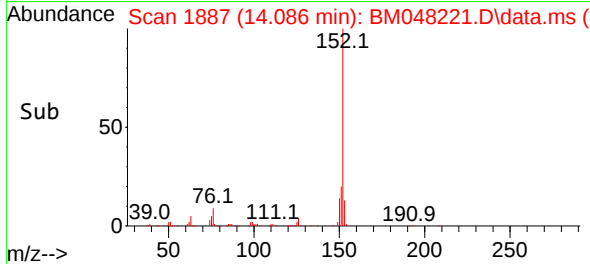
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 218250
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 12.7 10.5 15.7

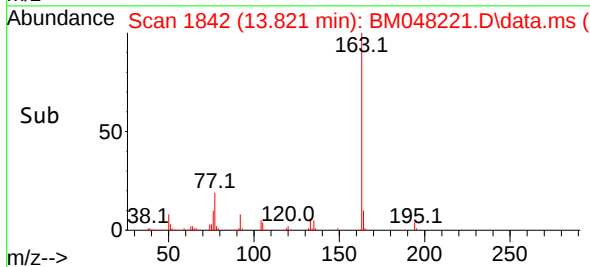
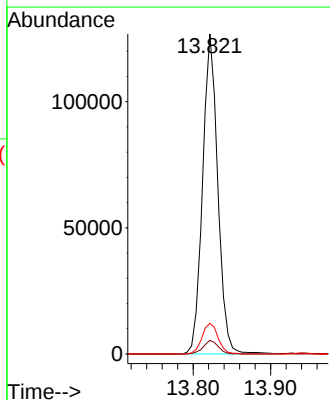
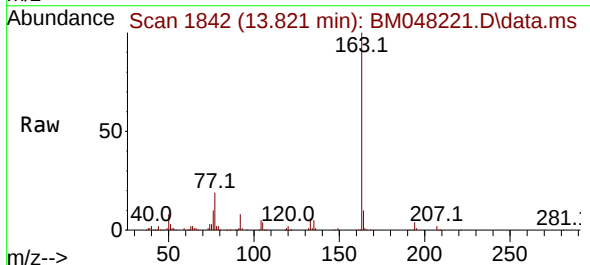
Manual Integrations
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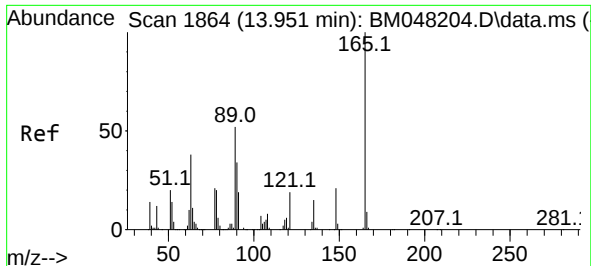
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#50
Dimethylphthalate
Concen: 5.045 ng
RT: 13.821 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

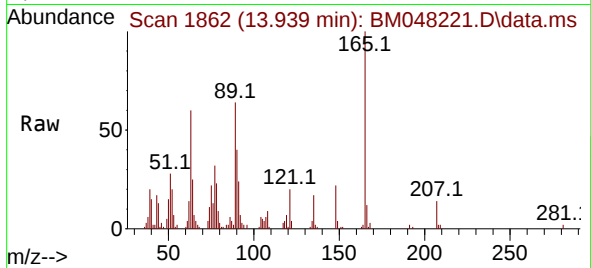
Tgt Ion:163 Resp: 172767
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.6 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 4.250 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

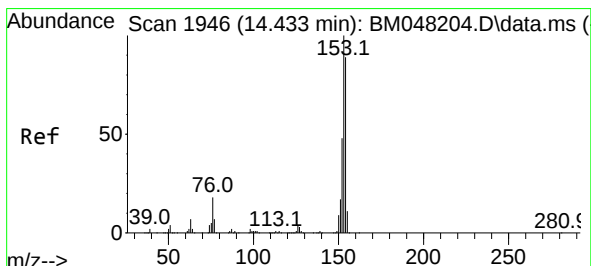
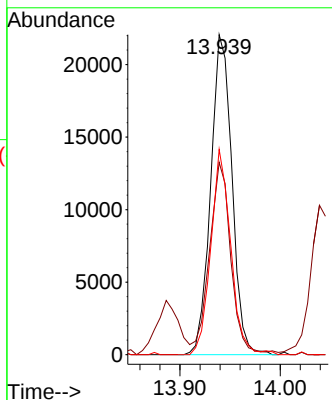
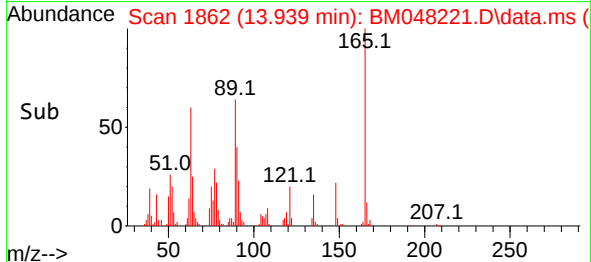
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 3247
Ion Ratio Lower Upper
165 100
63 60.1 39.5 59.3
89 64.2 41.8 62.6

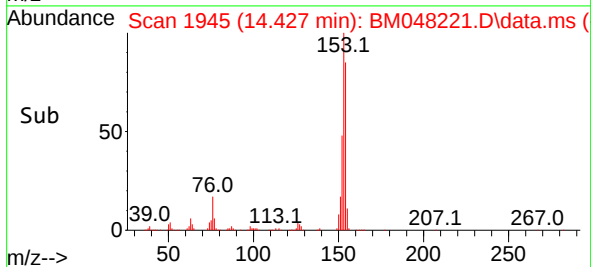
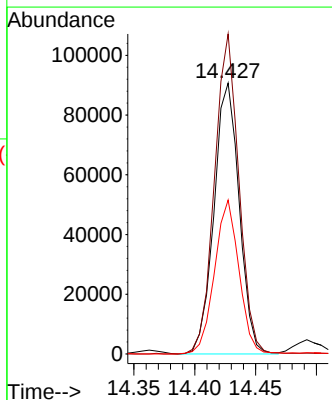
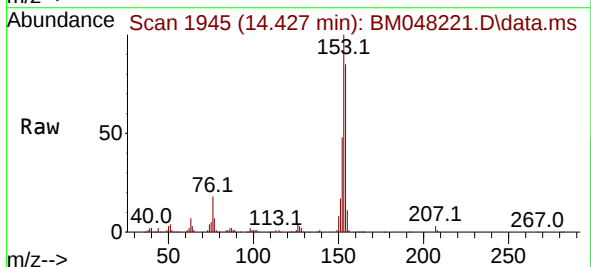
Manual Integrations
APPROVED

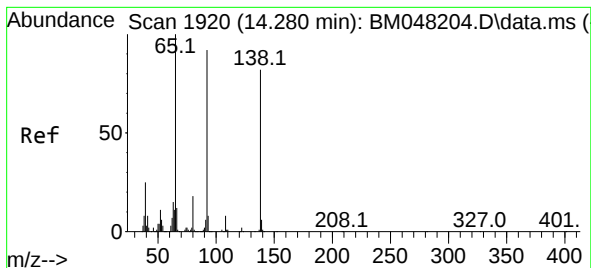
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#52
Acenaphthene
Concen: 4.995 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

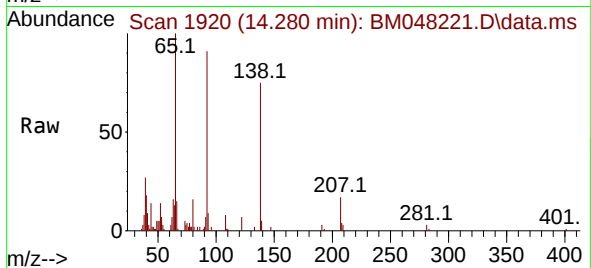
Tgt Ion:154 Resp: 130756
Ion Ratio Lower Upper
154 100
153 118.1 90.4 135.6
152 56.8 43.6 65.4





#53
3-Nitroaniline
Concen: 3.968 ng
RT: 14.280 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

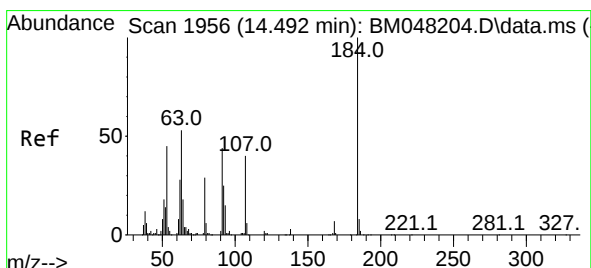
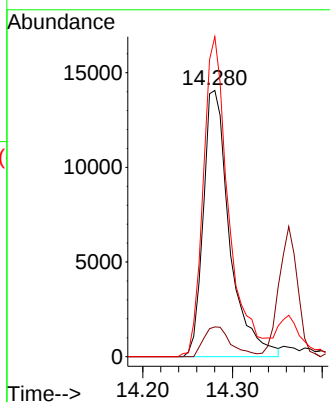
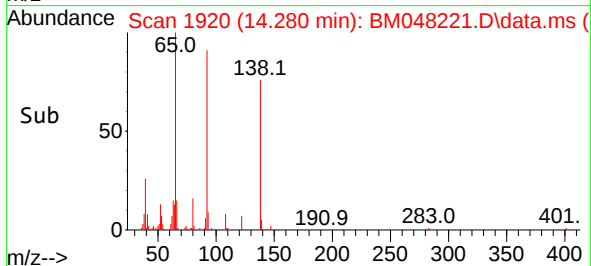
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



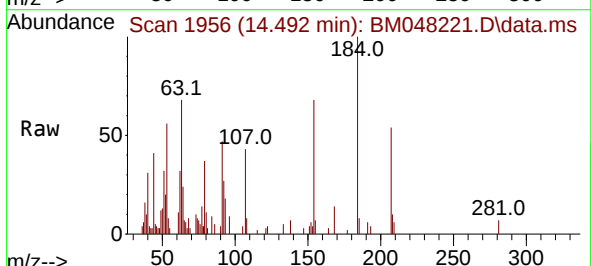
Tgt Ion:138 Resp: 2859
Ion Ratio Lower Upper
138 100
108 11.2 7.5 11.3
92 120.2 89.7 134.5

Manual Integrations
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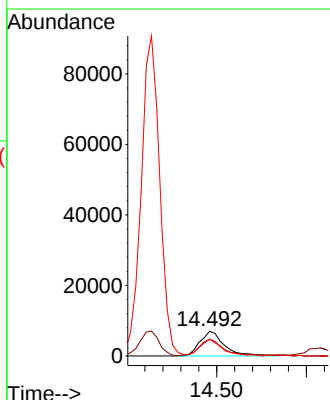
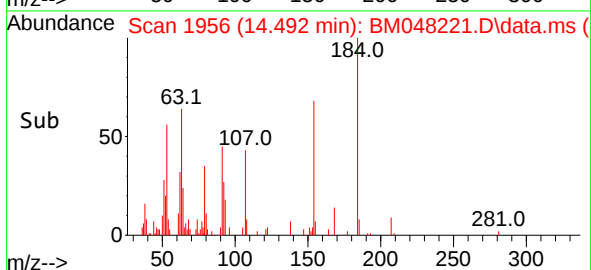
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

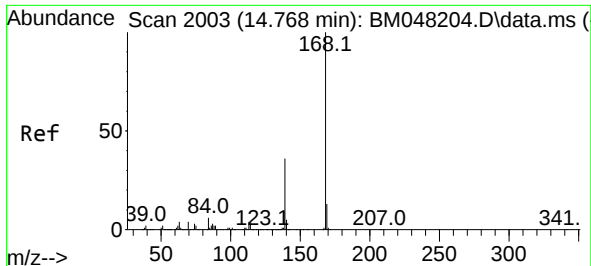


#54
2,4-Dinitrophenol
Concen: 2.930 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48



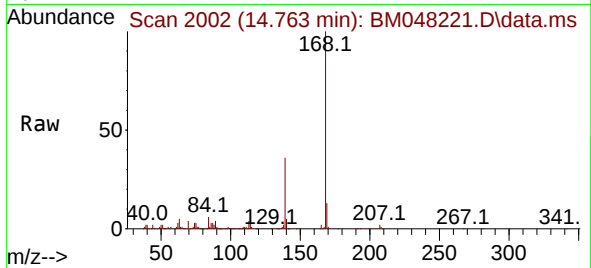
Tgt Ion:184 Resp: 13083
Ion Ratio Lower Upper
184 100
63 67.6 47.2 70.8
154 67.9 46.0 69.0





#55
Dibenzenofuran
Concen: 5.264 ng
RT: 14.763 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

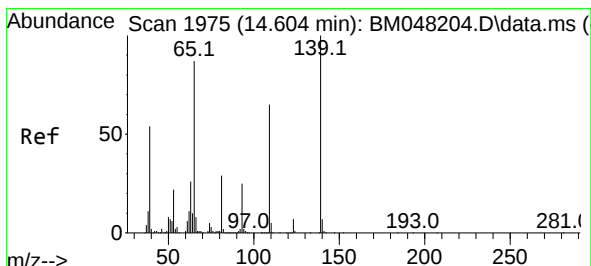
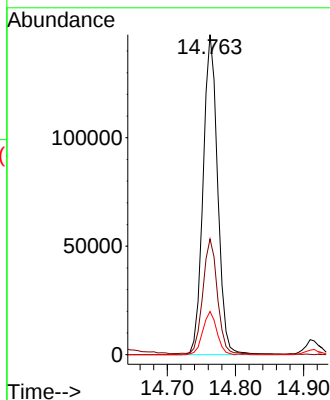
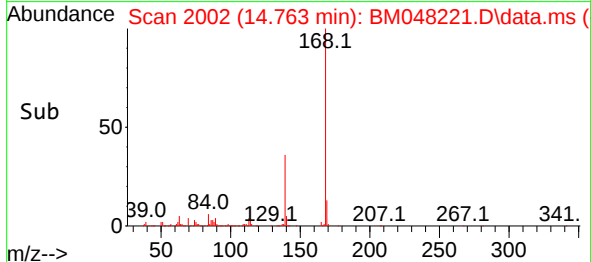
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:168 Resp: 218914
Ion Ratio Lower Upper
168 100
139 36.1 29.0 43.6
169 13.5 10.4 15.6

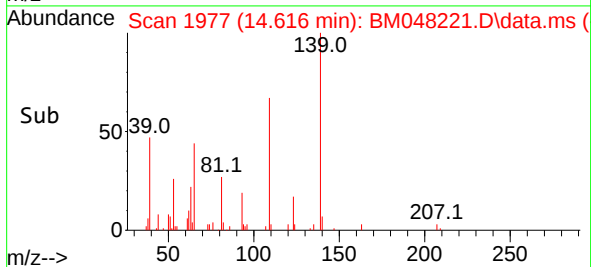
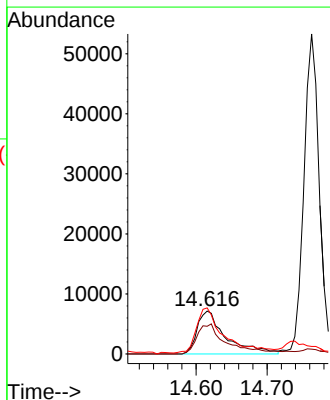
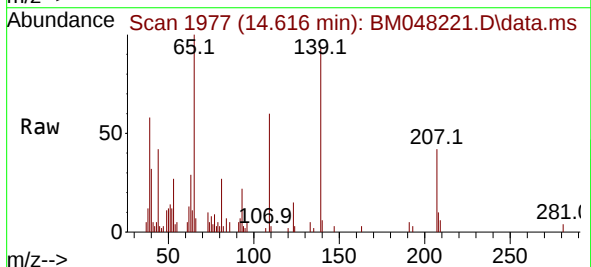
Manual Integrations
APPROVED

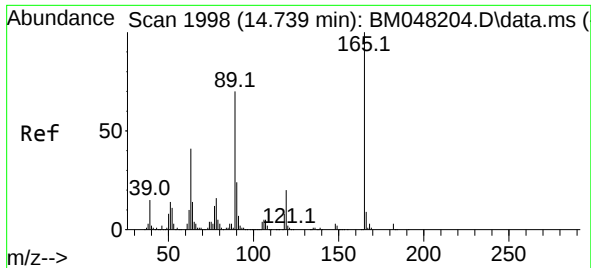
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#56
4-Nitrophenol
Concen: 3.128 ng
RT: 14.616 min Scan# 1977
Delta R.T. 0.012 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

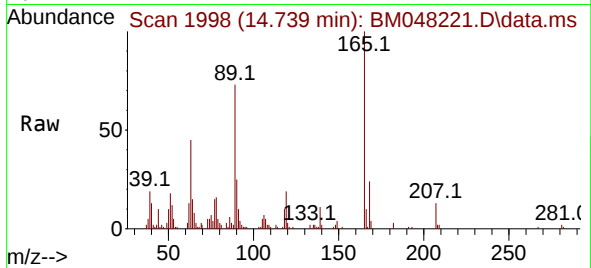
Tgt Ion:139 Resp: 20117
Ion Ratio Lower Upper
139 100
109 64.6 45.4 85.4
65 107.6 67.3 107.3#





#57
2,4-Dinitrotoluene
Concen: 3.907 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

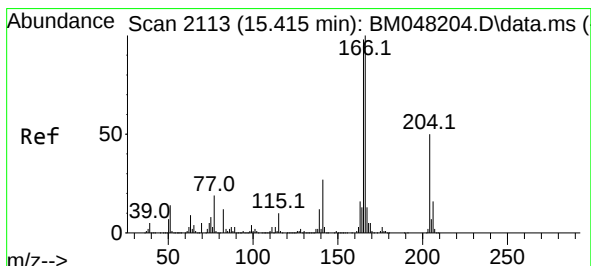
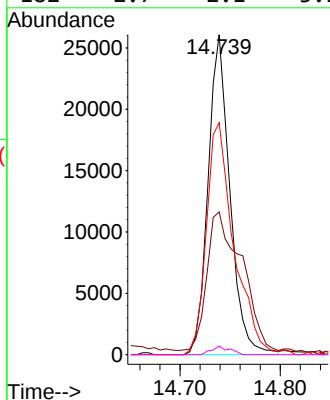
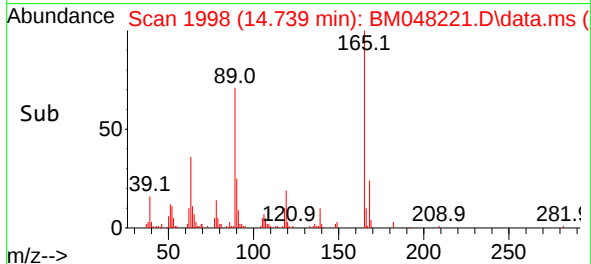
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 39425
Ion Ratio Lower Upper
165 100
63 44.6 33.0 49.4
89 72.5 55.8 83.6
182 2.7 2.1 3.1

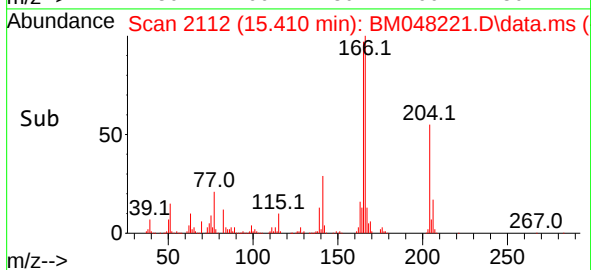
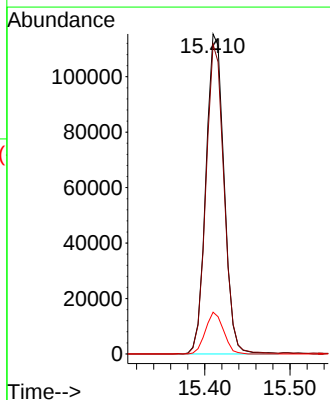
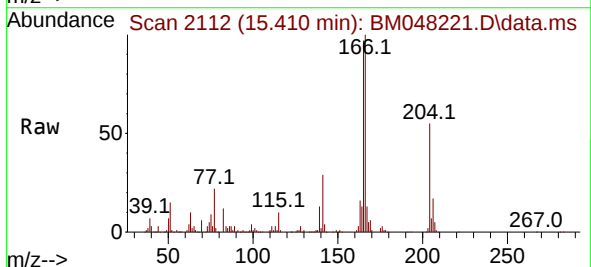
Manual Integrations
APPROVED

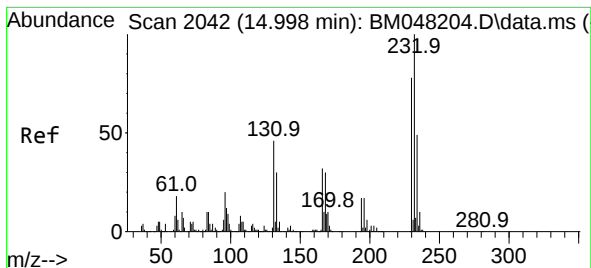
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#58
Fluorene
Concen: 5.190 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

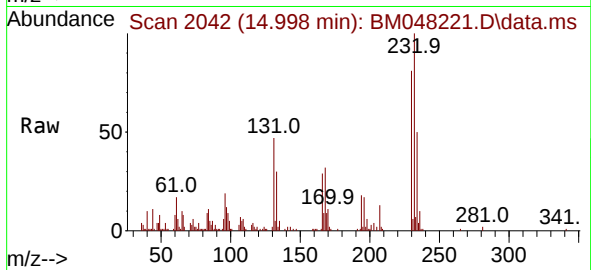
Tgt Ion:166 Resp: 170696
Ion Ratio Lower Upper
166 100
165 96.7 78.4 117.6
167 13.1 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.965 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

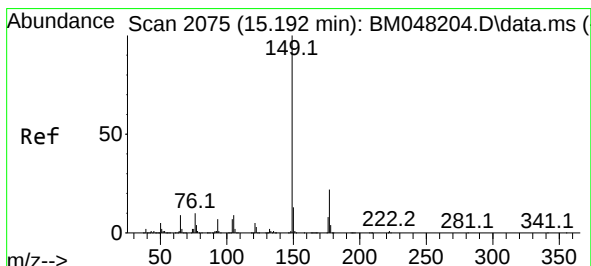
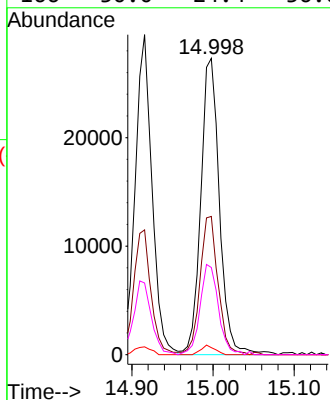
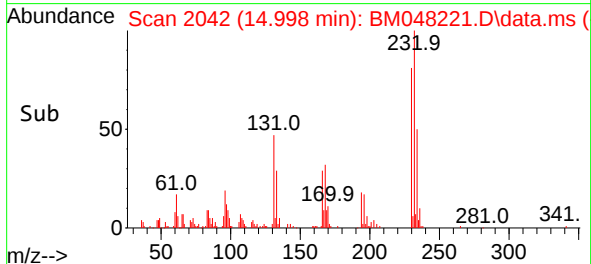
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:232 Resp: 4366
Ion Ratio Lower Upper
232 100
131 44.8 35.5 53.3
130 2.4 1.8 2.6
166 30.0 24.4 36.6

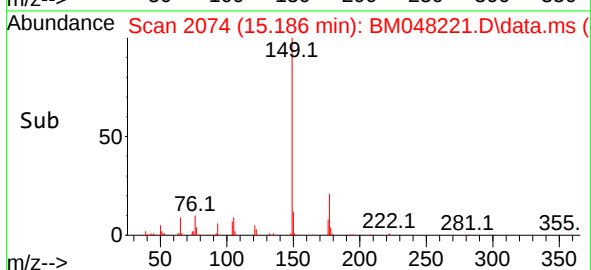
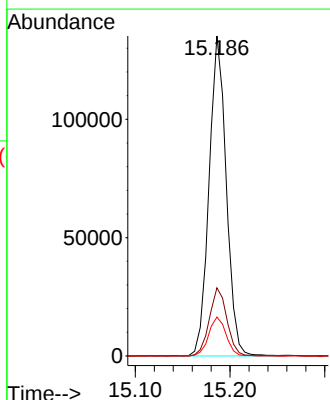
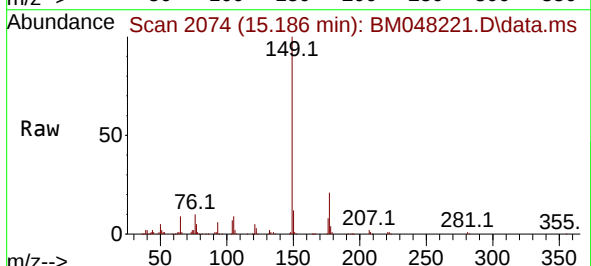
Manual Integrations
APPROVED

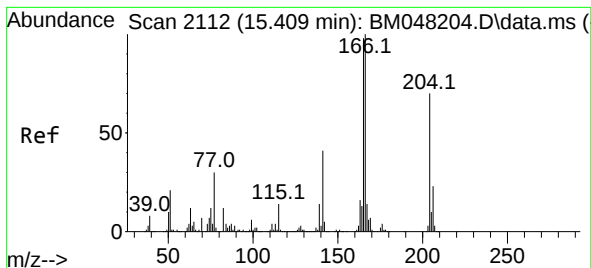
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#60
Diethylphthalate
Concen: 4.918 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:149 Resp: 170511
Ion Ratio Lower Upper
149 100
177 21.3 17.5 26.3
150 12.2 10.1 15.1





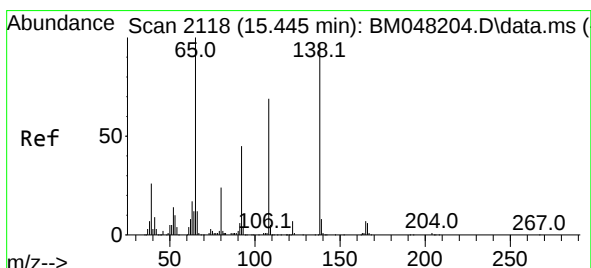
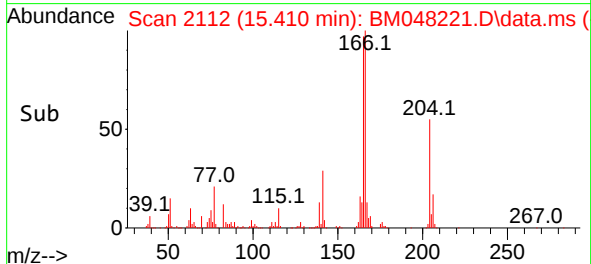
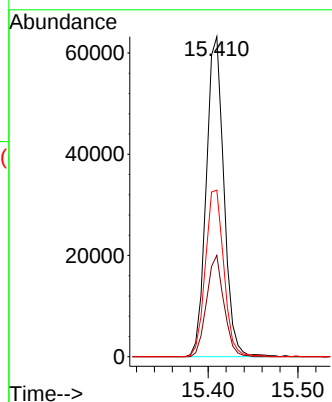
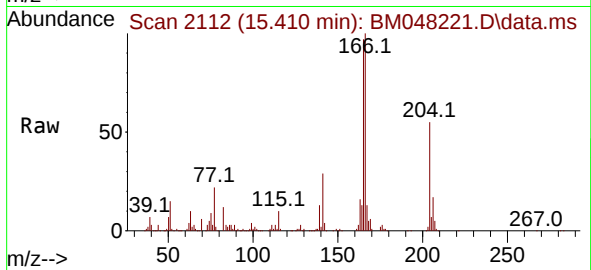
#61
4-Chlorophenyl-phenylether
Concen: 5.251 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:204 Resp: 86338
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.4
141 52.1 47.0 70.6

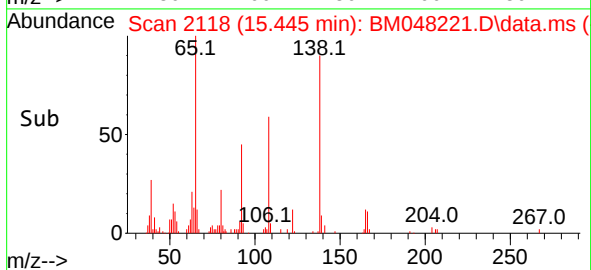
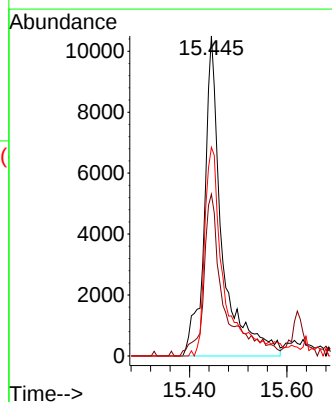
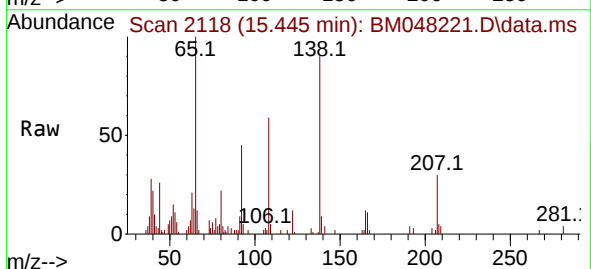
Manual Integrations
APPROVED

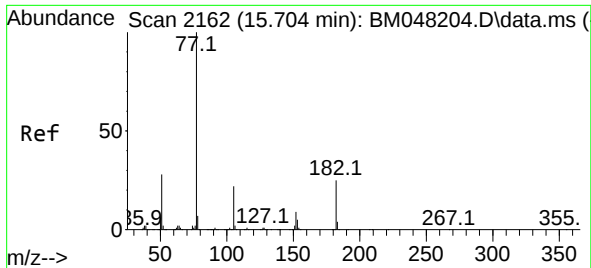
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#62
4-Nitroaniline
Concen: 3.588 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

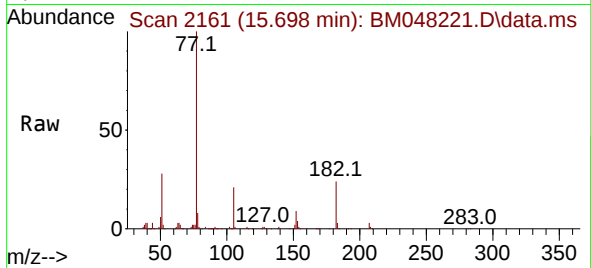
Tgt Ion:138 Resp: 26756
Ion Ratio Lower Upper
138 100
92 50.6 26.9 66.9
108 65.2 51.3 91.3





#63
Azobenzene
Concen: 4.918 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

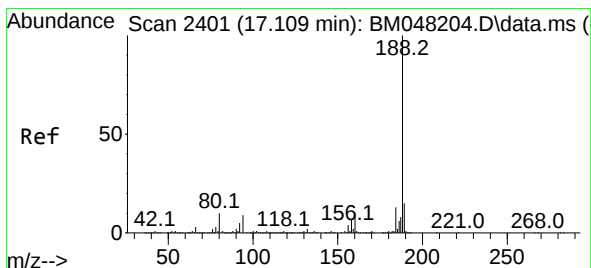
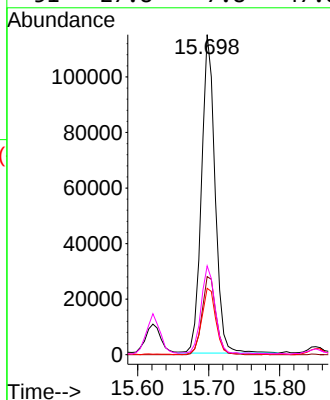
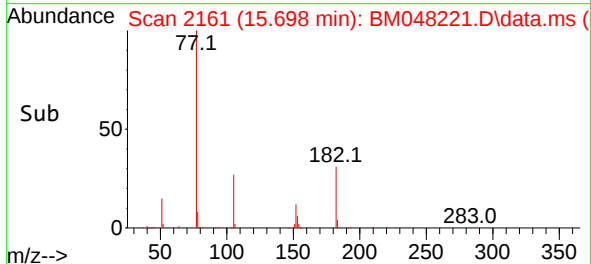
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 152834
Ion Ratio Lower Upper
77 100
182 24.4 5.3 45.3
105 20.7 1.6 41.6
51 27.8 7.8 47.8

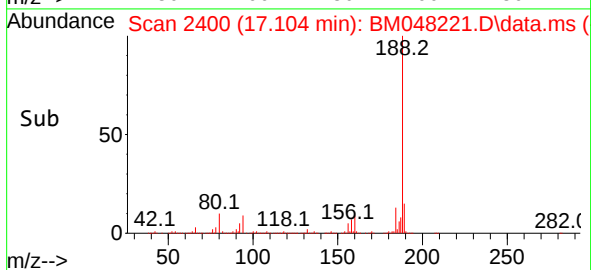
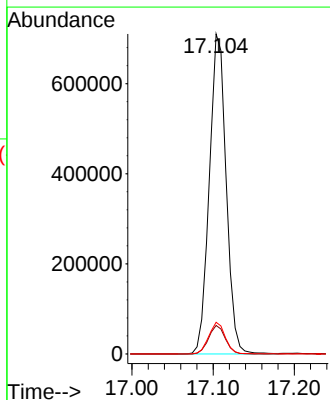
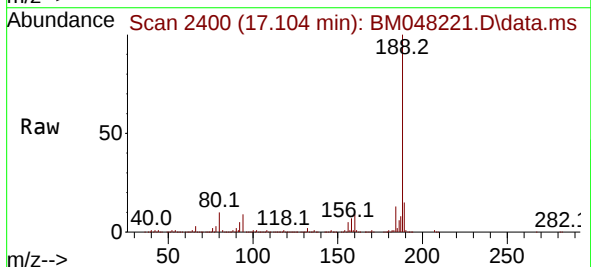
Manual Integrations
APPROVED

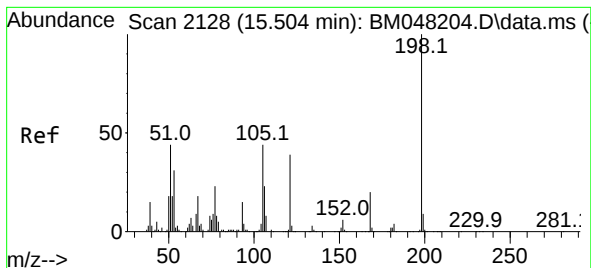
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

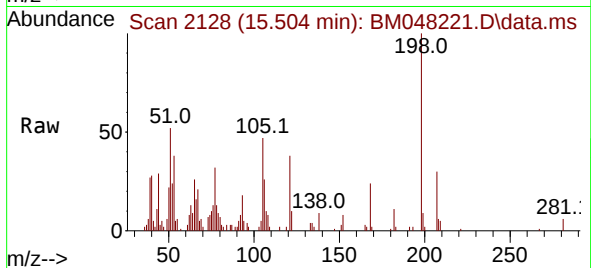
Tgt Ion:188 Resp: 1024259
Ion Ratio Lower Upper
188 100
94 8.9 7.3 10.9
80 9.9 8.0 12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 3.308 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

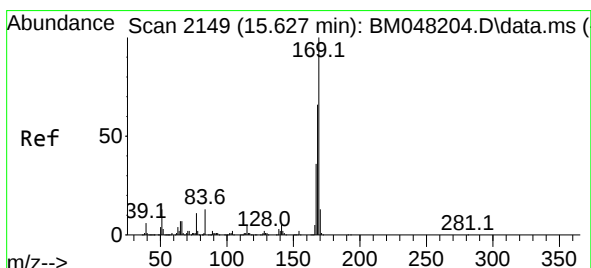
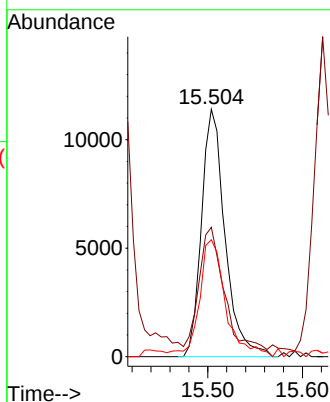
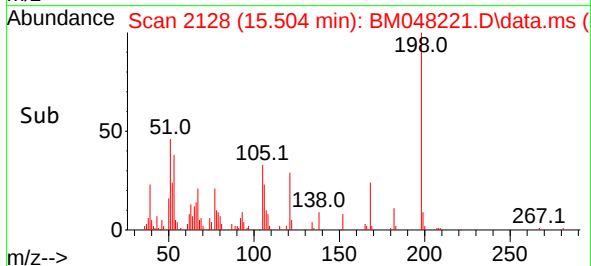
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:198 Resp: 1965
Ion Ratio Lower Upper
198 100
51 52.3 25.4 65.4
105 47.3 23.9 63.9

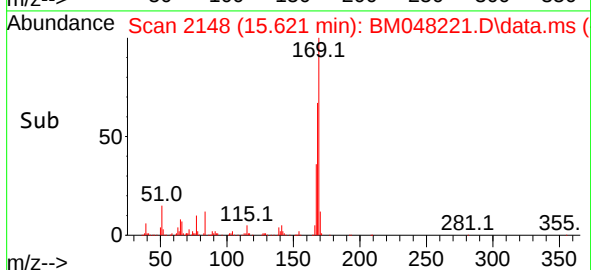
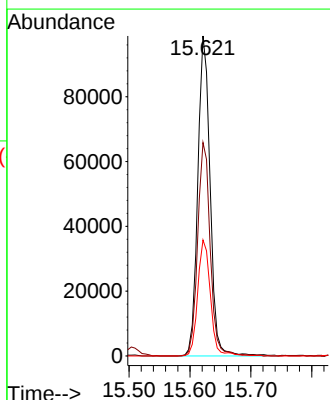
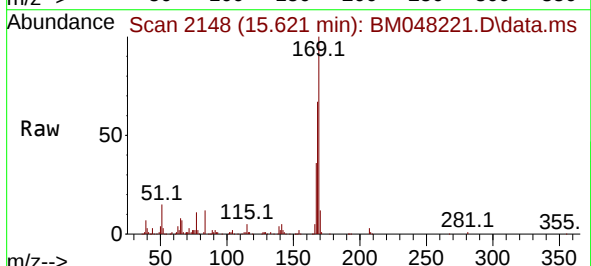
Manual Integrations
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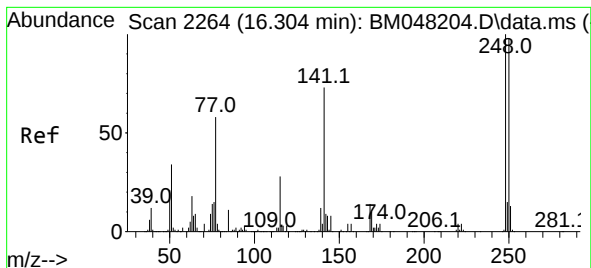
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#66
n-Nitrosodiphenylamine
Concen: 4.926 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:169 Resp: 138508
Ion Ratio Lower Upper
169 100
168 66.7 52.9 79.3
167 36.3 29.3 43.9





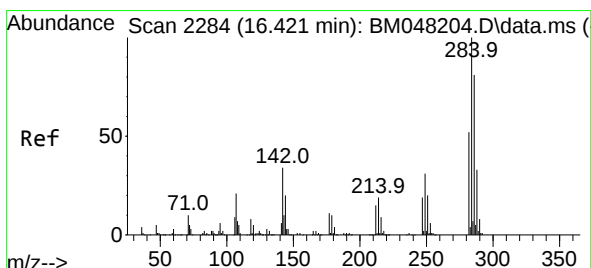
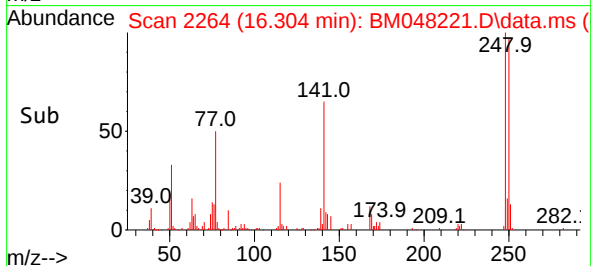
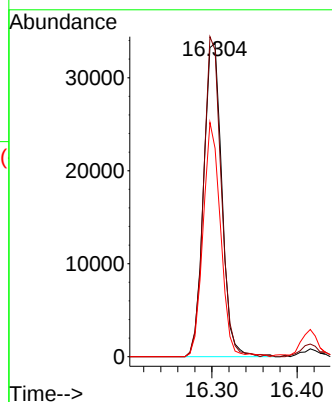
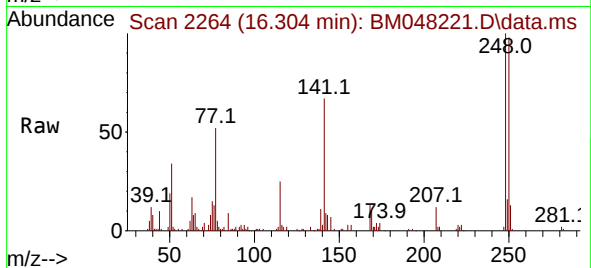
#67
4-Bromophenyl-phenylether
Concen: 4.834 ng
RT: 16.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:248 Resp: 5020
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 66.5 58.0 87.0

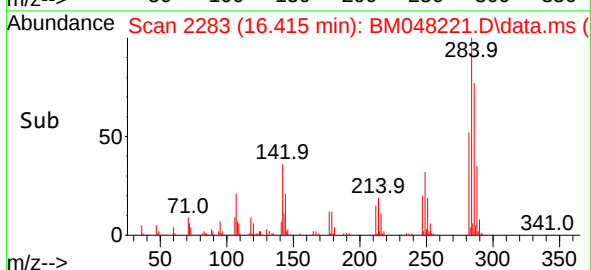
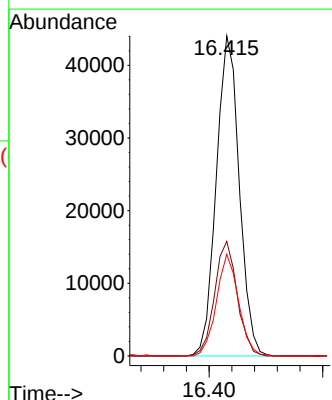
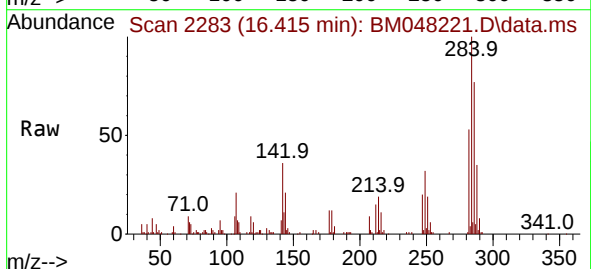
Manual Integrations
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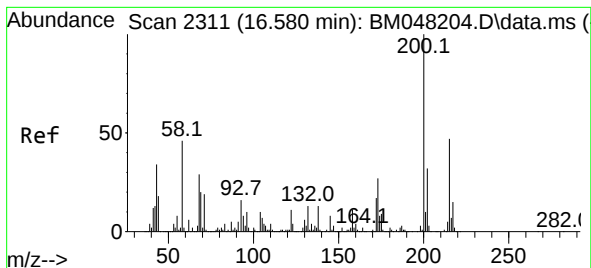
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#68
Hexachlorobenzene
Concen: 4.961 ng
RT: 16.415 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:284 Resp: 61880
Ion Ratio Lower Upper
284 100
142 35.8 27.0 40.4
249 31.7 24.6 36.8





#69

Atrazine

Concen: 6.004 ng

RT: 16.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

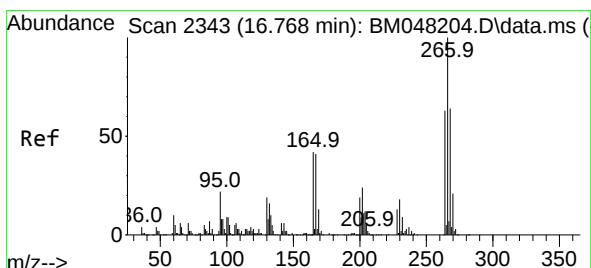
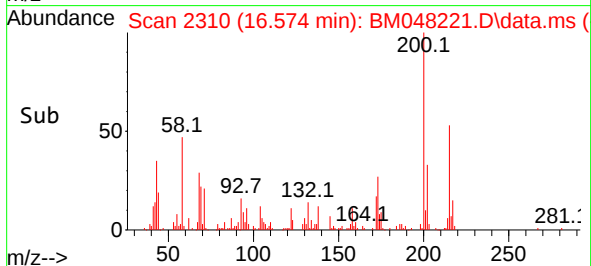
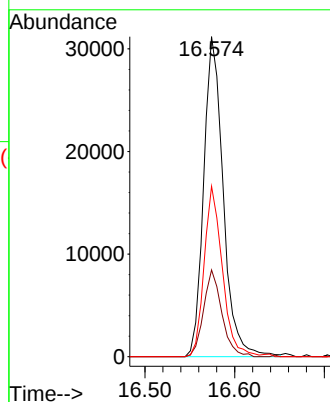
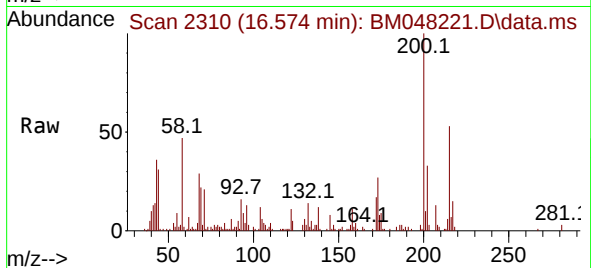
Tgt Ion:200 Resp: 47240
 Ion Ratio Lower Upper
 200 100
 173 27.1 6.5 46.5
 215 53.3 27.2 67.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#70

Pentachlorophenol

Concen: 4.080 ng

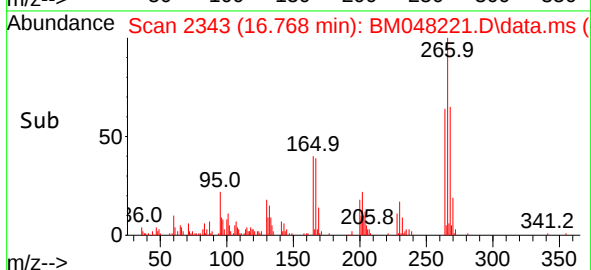
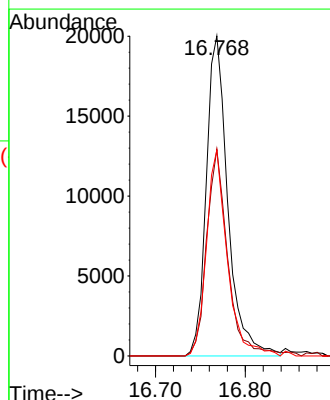
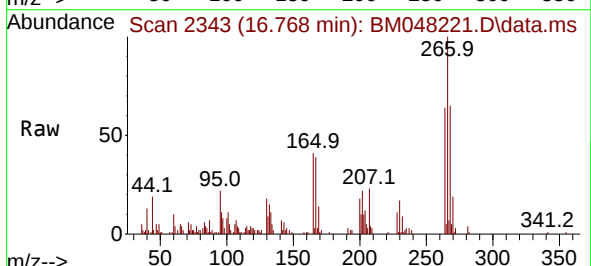
RT: 16.768 min Scan# 2343

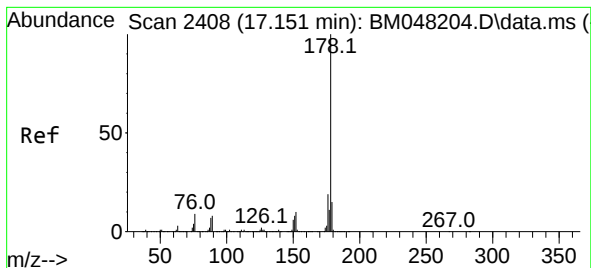
Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Tgt Ion:266 Resp: 33406
 Ion Ratio Lower Upper
 266 100
 268 64.5 50.8 76.2
 264 64.4 50.2 75.2





#71

Phenanthrene

Concen: 5.287 ng

RT: 17.145 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

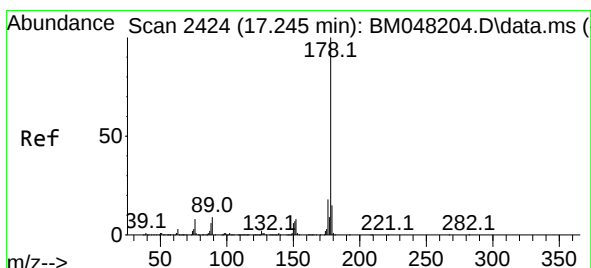
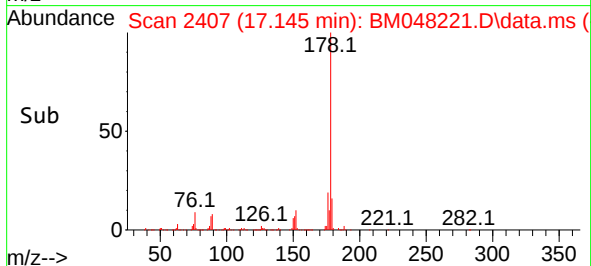
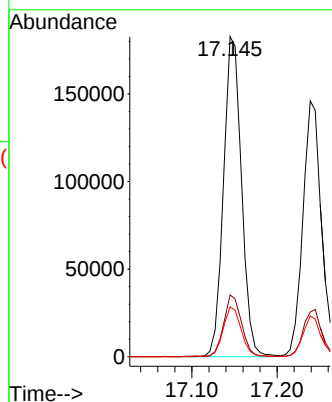
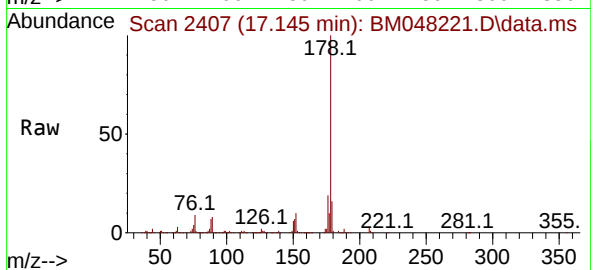
Tgt Ion:178 Resp: 26817
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.6 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#72

Anthracene

Concen: 4.598 ng

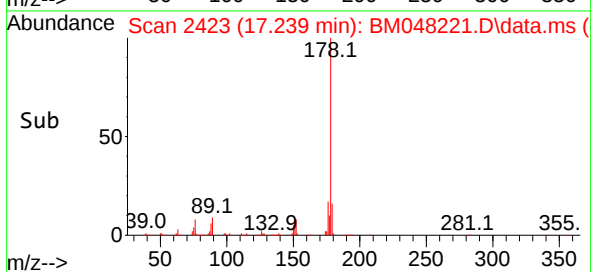
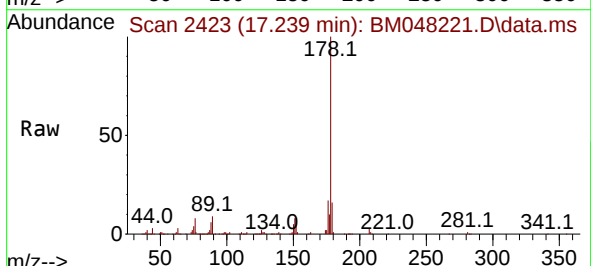
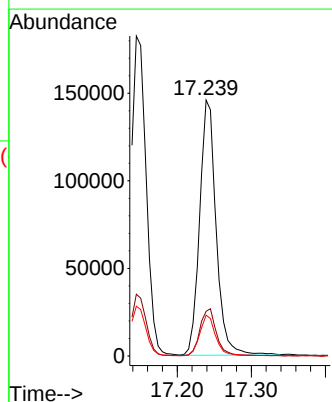
RT: 17.239 min Scan# 2423

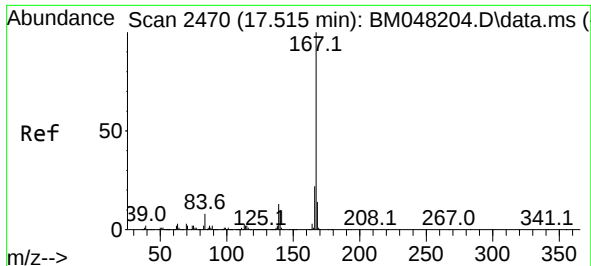
Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

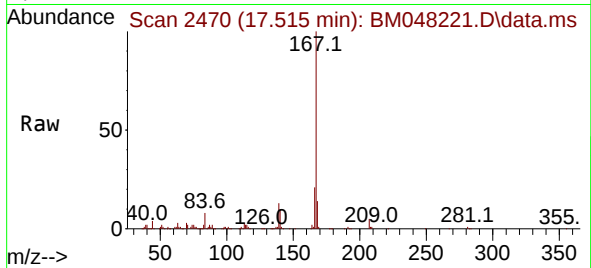
Tgt Ion:178 Resp: 225732
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.8 22.2
 179 16.0 12.2 18.2





#73
 Carbazole
 Concen: 4.713 ng
 RT: 17.515 min Scan# 2470
 Delta R.T. 0.000 min
 Lab File: BM048221.D
 Acq: 24 Oct 2024 17:48

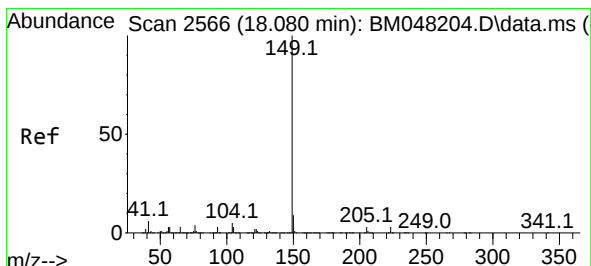
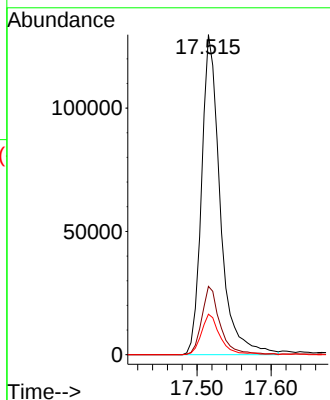
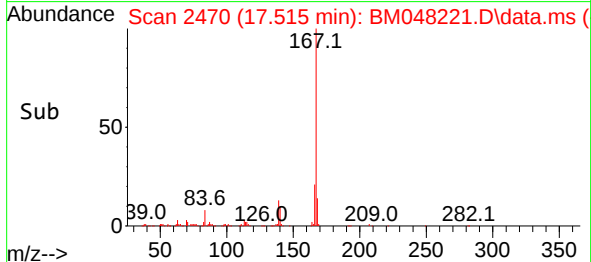
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



Tgt Ion:167 Resp: 226829
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 12.7 10.4 15.6

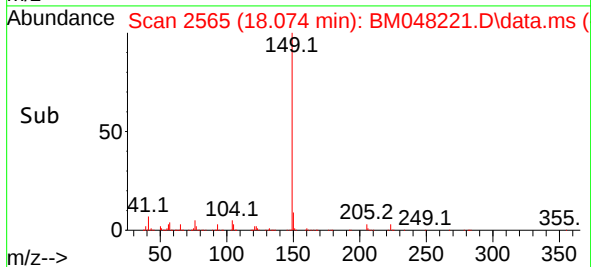
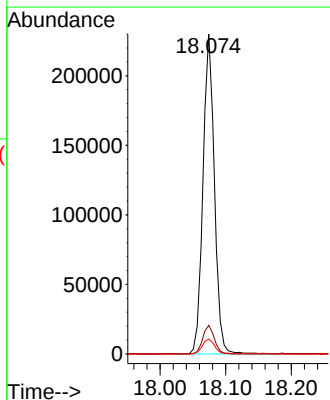
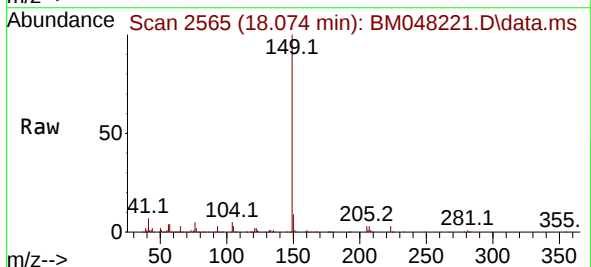
Manual Integrations
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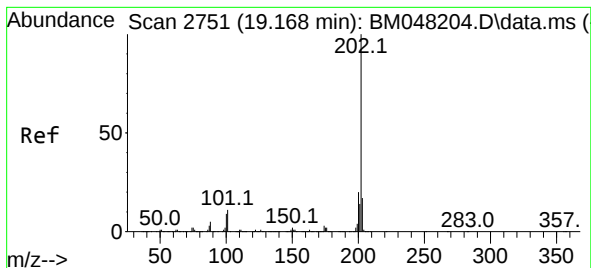
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024



#74
 Di-n-butylphthalate
 Concen: 4.674 ng
 RT: 18.074 min Scan# 2565
 Delta R.T. -0.006 min
 Lab File: BM048221.D
 Acq: 24 Oct 2024 17:48

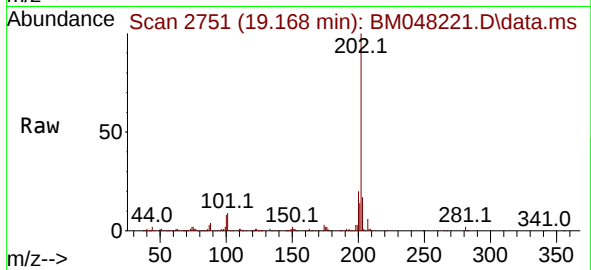
Tgt Ion:149 Resp: 280013
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.2 10.8
 104 4.6 3.8 5.6





#75
Fluoranthene
Concen: 4.974 ng
RT: 19.168 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

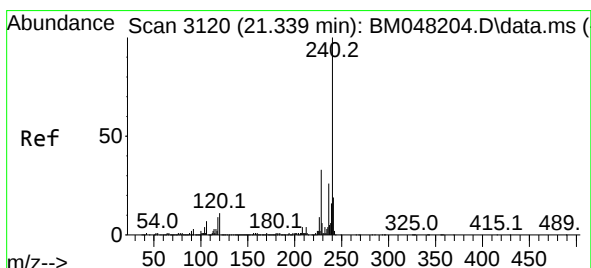
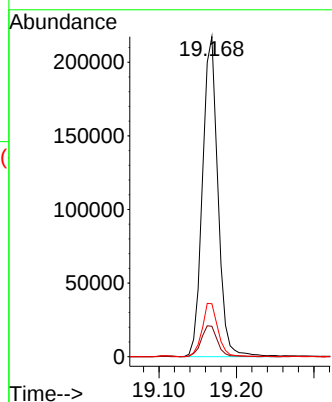
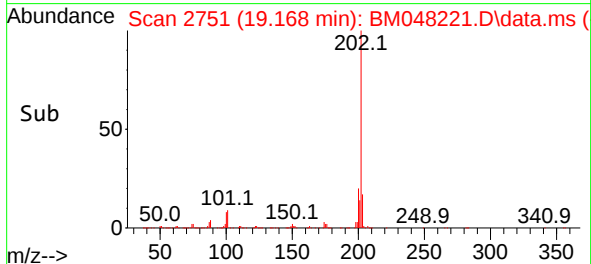
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



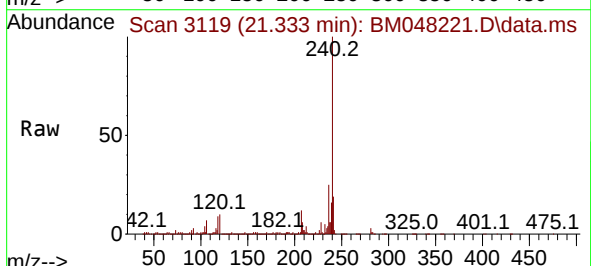
Tgt Ion:202 Resp: 300940
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 16.6 0.0 37.5

Manual Integrations
APPROVED

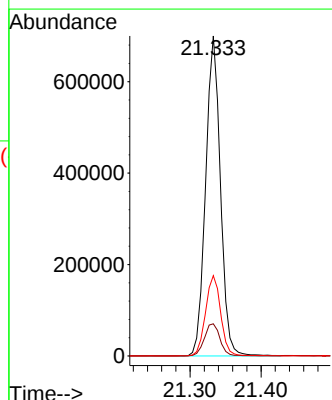
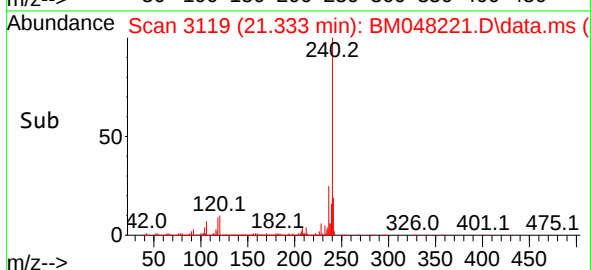
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

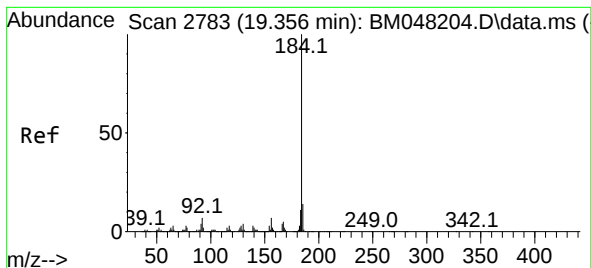


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48



Tgt Ion:240 Resp: 1016626
Ion Ratio Lower Upper
240 100
120 10.1 8.6 13.0
236 25.1 20.7 31.1





#77

Benzidine

Concen: 3.751 ng

RT: 19.356 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

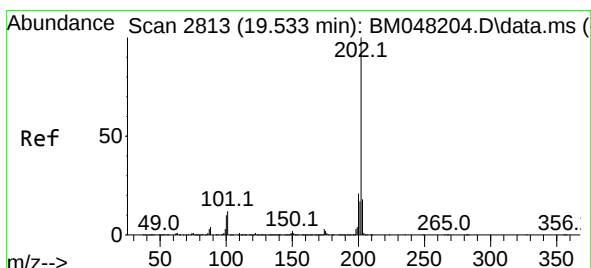
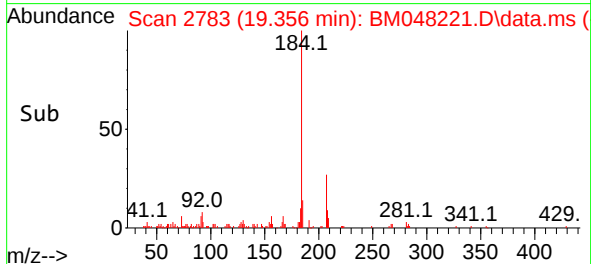
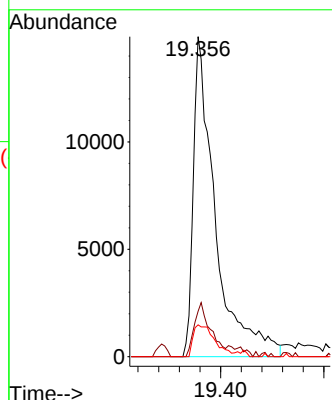
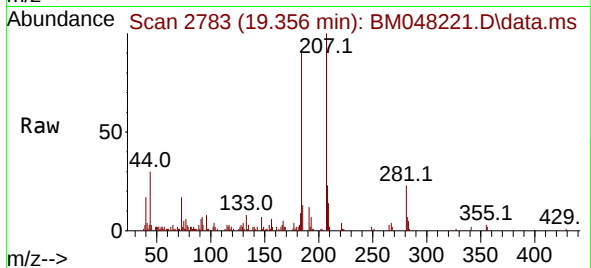
Tgt Ion:	184	Resp:	4401
Ion Ratio	Lower	Upper	
184	100		
185	14.2	11.4	17.0
183	9.9	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#78

Pyrene

Concen: 4.712 ng

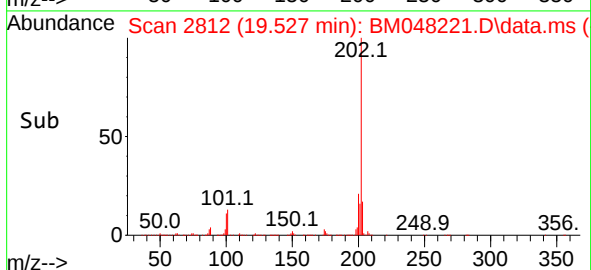
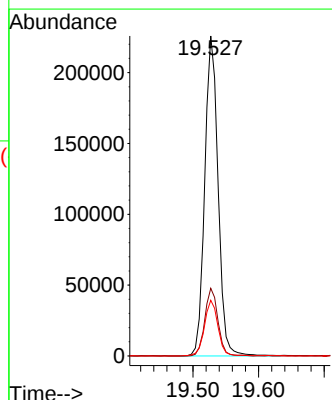
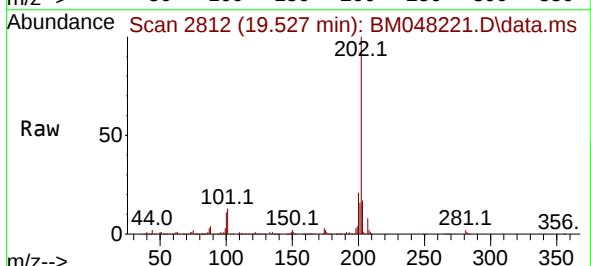
RT: 19.527 min Scan# 2812

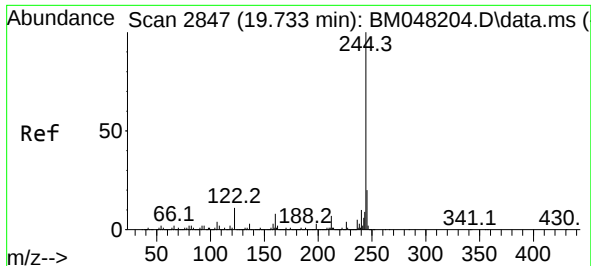
Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

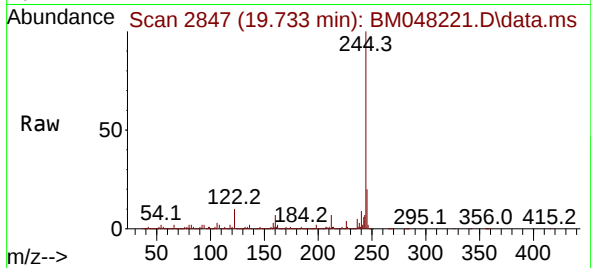
Tgt Ion:	202	Resp:	320612
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.9	25.3
203	17.4	14.1	21.1





#79
 Terphenyl-d14
 Concen: 68.638 ng
 RT: 19.733 min Scan# 2847
 Delta R.T. -0.000 min
 Lab File: BM048221.D
 Acq: 24 Oct 2024 17:48

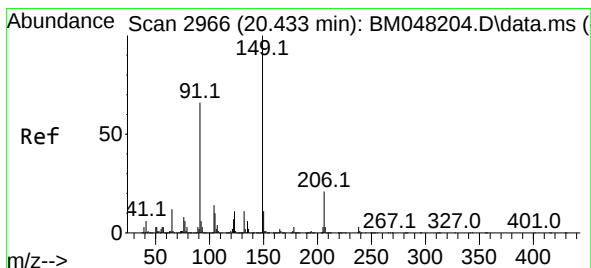
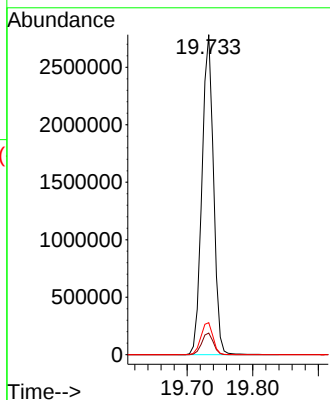
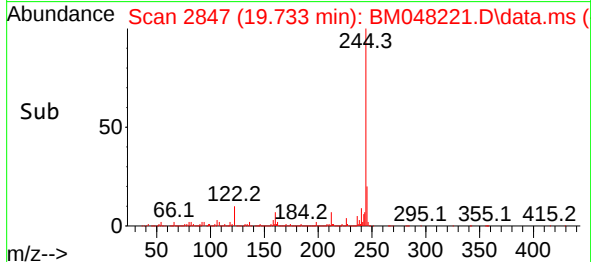
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



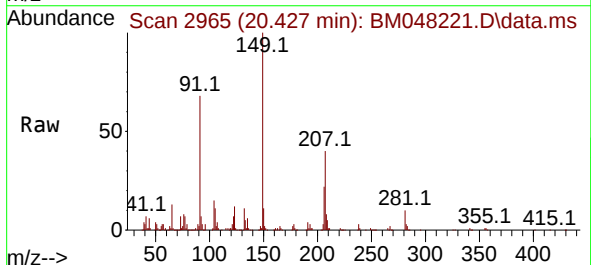
Tgt Ion:244 Resp: 341932
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 8.8 13.2

Manual Integrations
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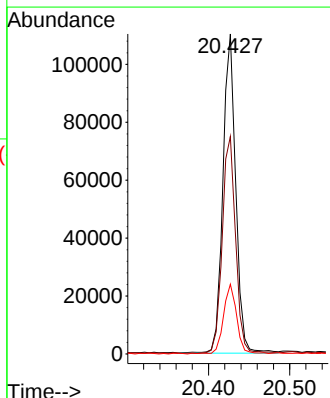
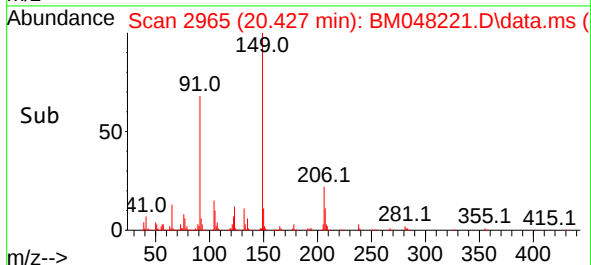
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024

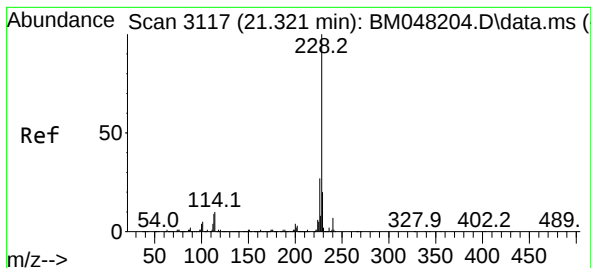


#80
 Butylbenzylphthalate
 Concen: 4.280 ng
 RT: 20.427 min Scan# 2965
 Delta R.T. -0.006 min
 Lab File: BM048221.D
 Acq: 24 Oct 2024 17:48



Tgt Ion:149 Resp: 121797
 Ion Ratio Lower Upper
 149 100
 91 68.0 52.5 78.7
 206 21.8 17.0 25.6





#81

Benzo(a)anthracene

Concen: 4.992 ng

RT: 21.315 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM048221.D

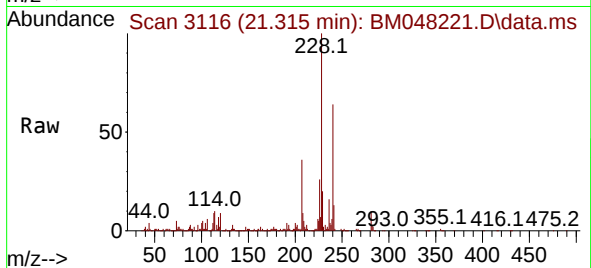
Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:228 Resp: 324330

Ion Ratio Lower Upper

228 100

226 26.0 21.5 32.3

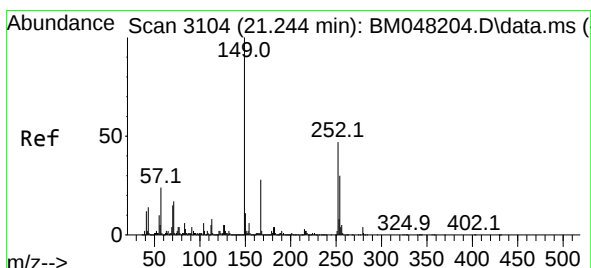
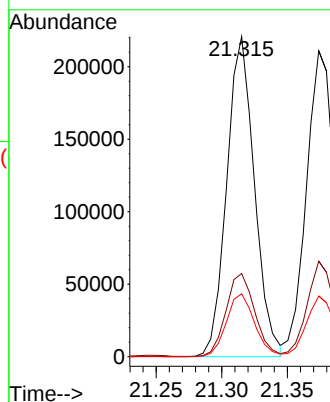
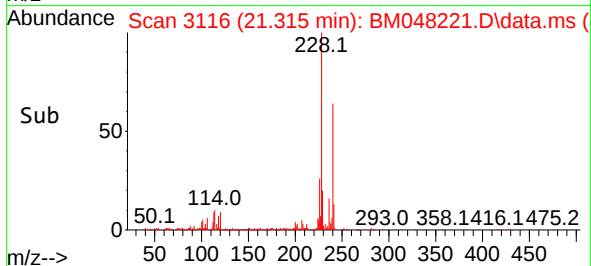
229 19.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#82

3,3'-Dichlorobenzidine

Concen: 4.601 ng

RT: 21.245 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

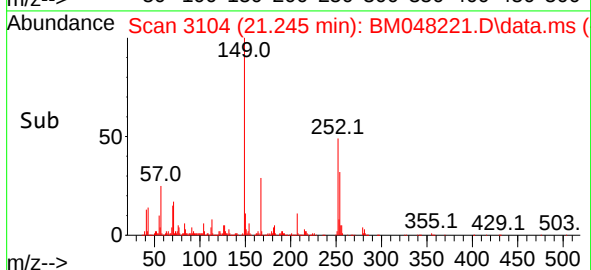
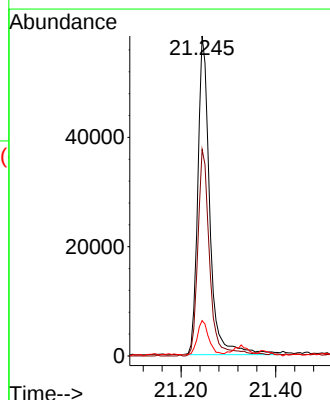
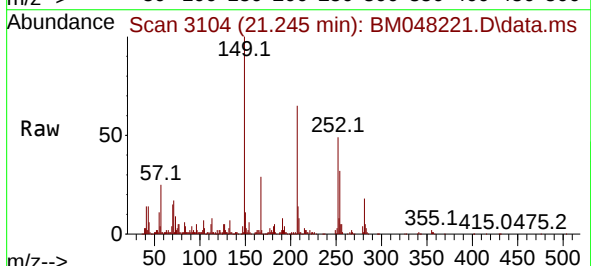
Tgt Ion:252 Resp: 102393

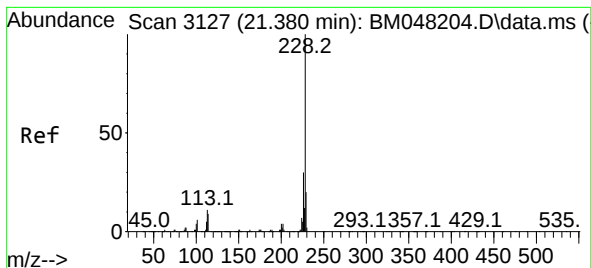
Ion Ratio Lower Upper

252 100

254 64.6 51.8 77.8

126 11.1 8.8 13.2





#83

Chrysene

Concen: 5.144 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

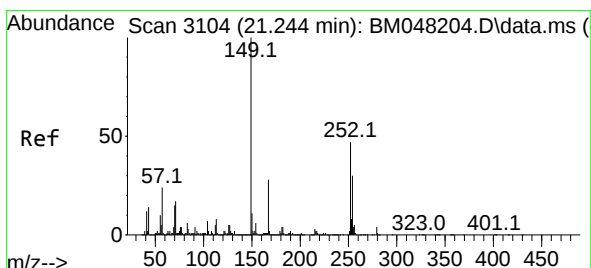
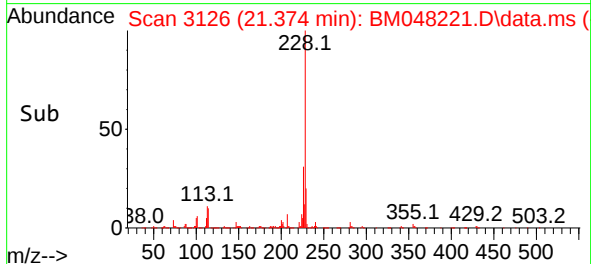
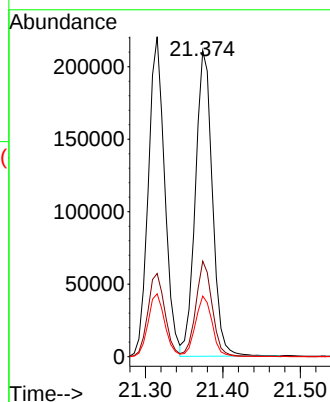
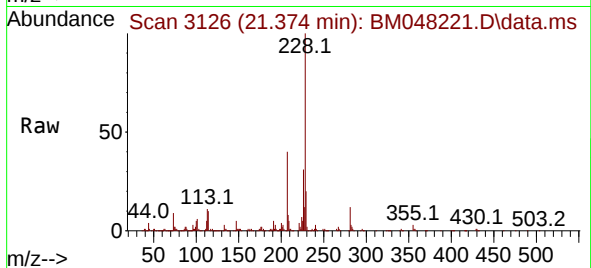
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:228 Resp: 32078
 Ion Ratio Lower Upper
 228 100
 226 31.2 23.5 35.3
 229 19.8 15.7 23.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.604 ng

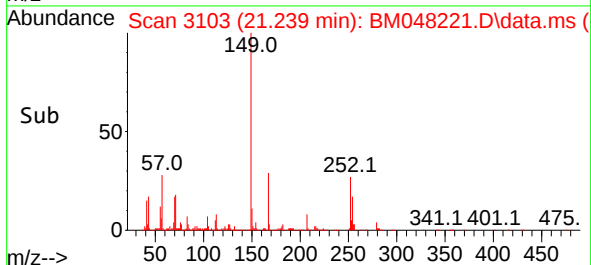
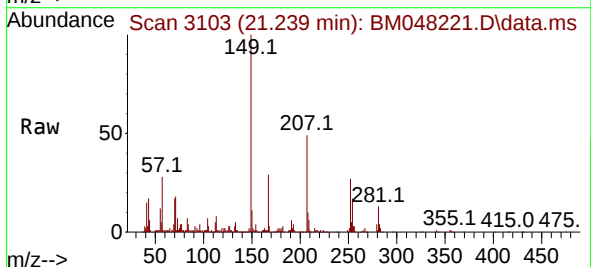
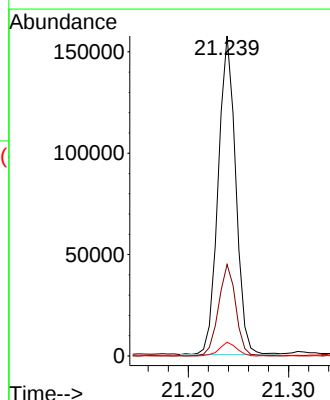
RT: 21.239 min Scan# 3103

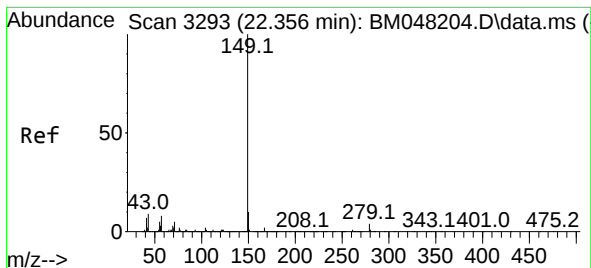
Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

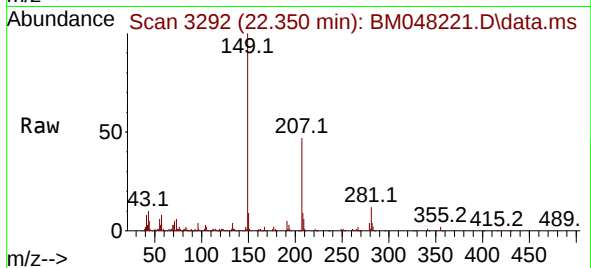
Tgt Ion:149 Resp: 190400
 Ion Ratio Lower Upper
 149 100
 167 28.6 22.5 33.7
 279 4.3 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 4.103 ng
RT: 22.350 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

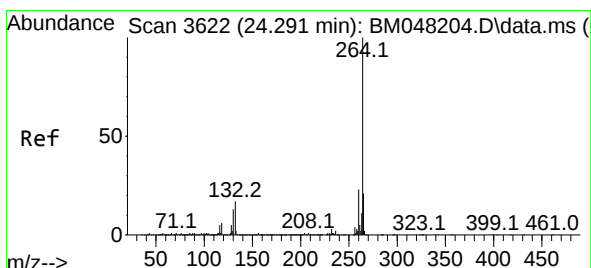
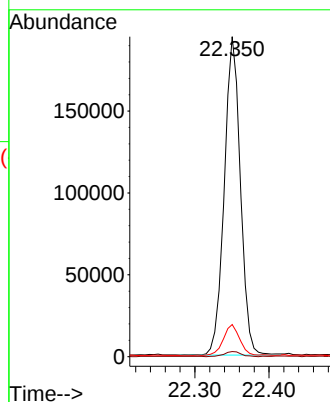
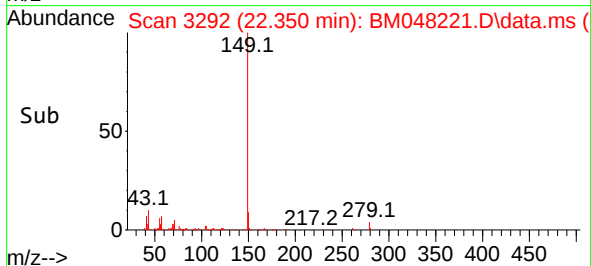
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



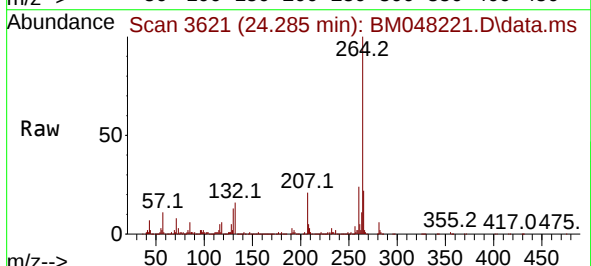
Tgt Ion:149 Resp: 293898
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 9.8 7.3 10.9

Manual Integrations
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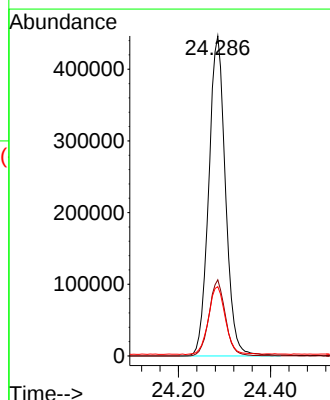
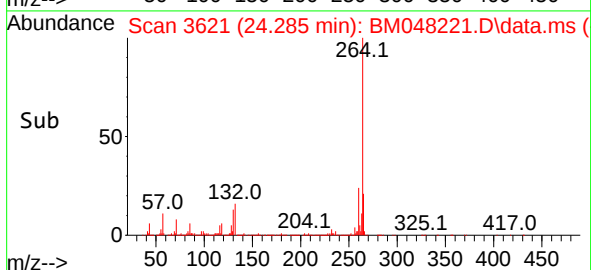
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

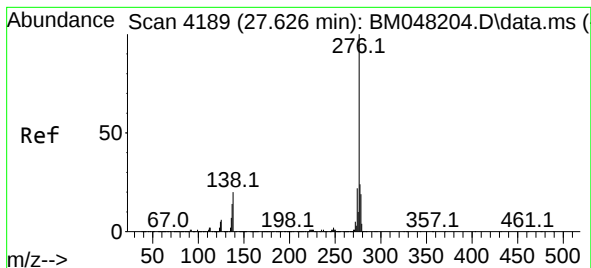


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.285 min Scan# 3621
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48



Tgt Ion:264 Resp: 1127493
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.080 ng

RT: 27.609 min Scan# 4189

Delta R.T. -0.018 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

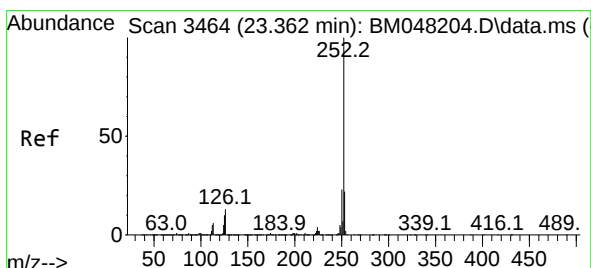
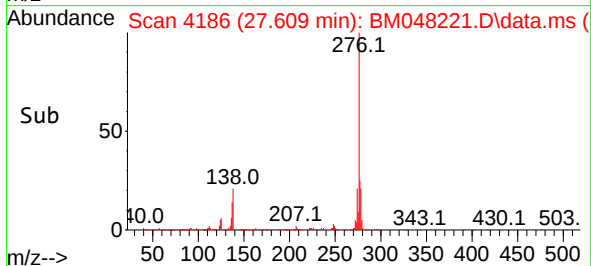
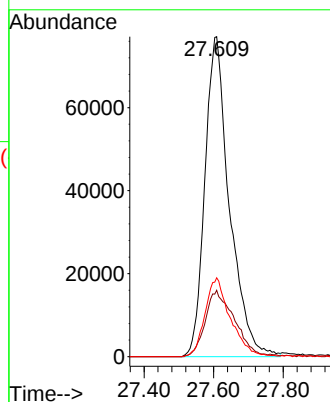
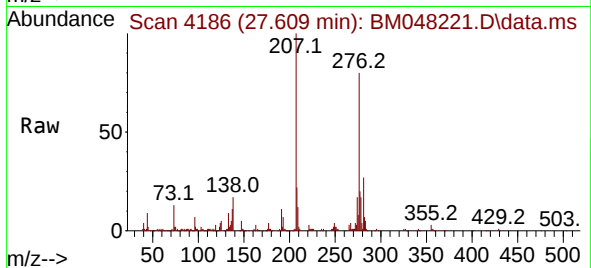
Tgt Ion:276 Resp: 37878
 Ion Ratio Lower Upper
 276 100
 138 24.5 19.8 29.6
 277 25.4 20.0 30.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#88

Benzo(b)fluoranthene

Concen: 4.910 ng

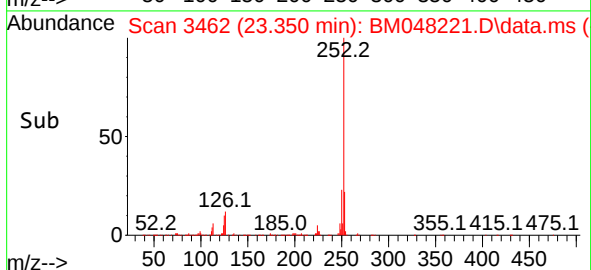
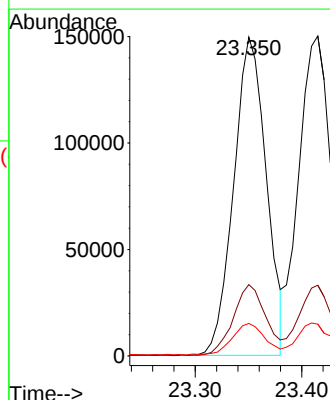
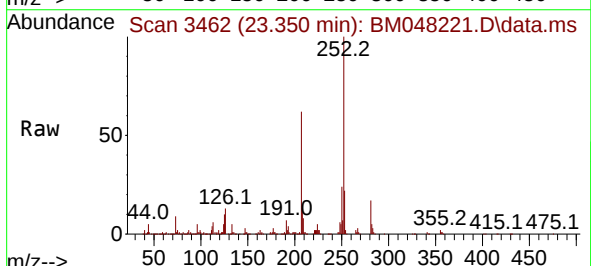
RT: 23.350 min Scan# 3462

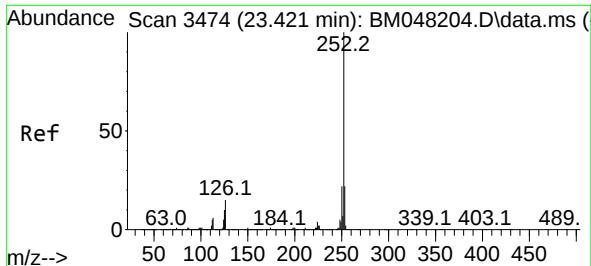
Delta R.T. -0.012 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

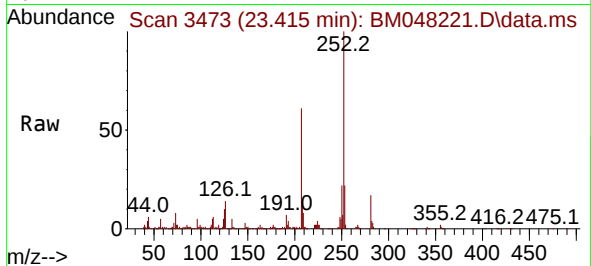
Tgt Ion:252 Resp: 317381
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.6
 125 10.2 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 5.328 ng
RT: 23.415 min Scan# 3473
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

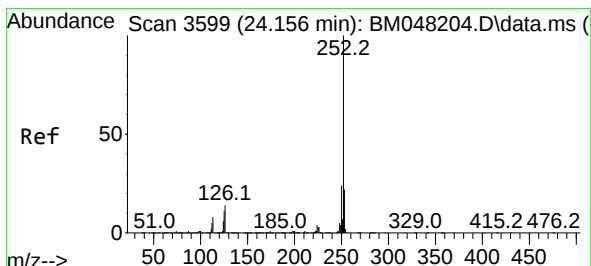
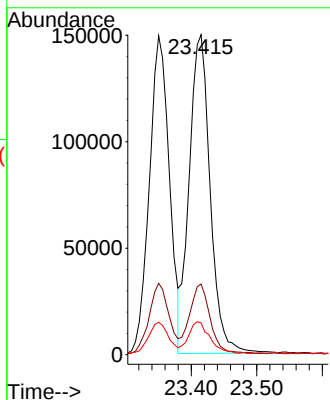
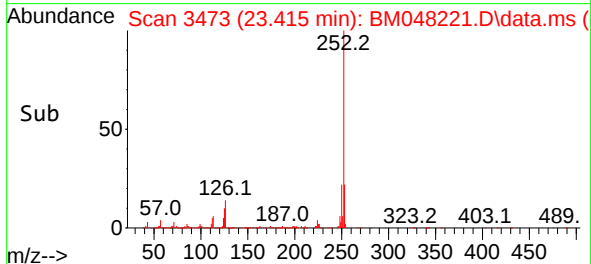
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 332984
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 9.9 7.8 11.6

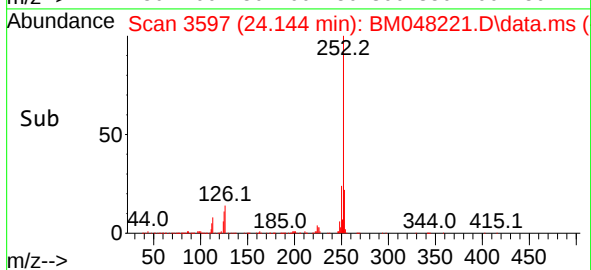
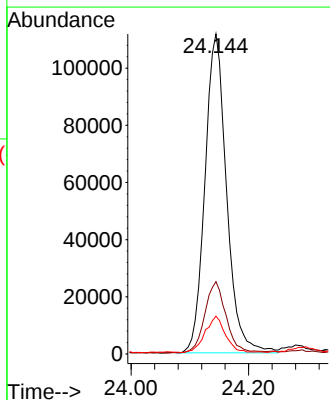
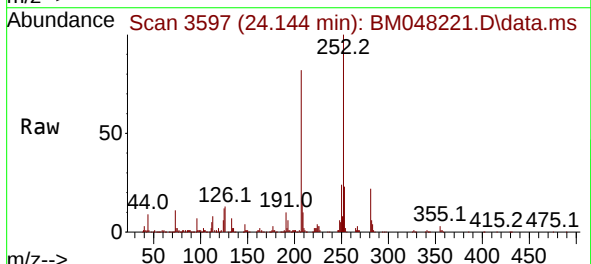
Manual Integrations
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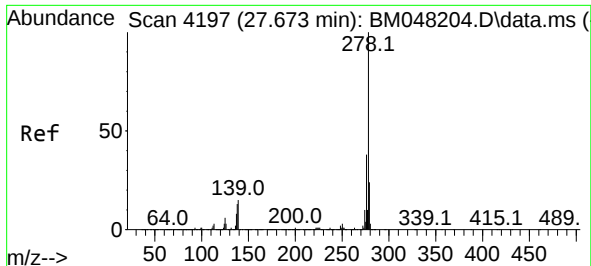
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#90
Benzo(a)pyrene
Concen: 5.069 ng
RT: 24.144 min Scan# 3597
Delta R.T. -0.012 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

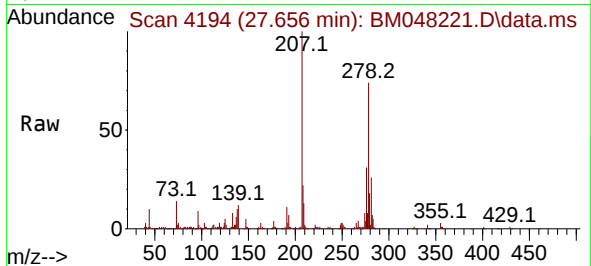
Tgt Ion:252 Resp: 284881
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 11.8 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 5.085 ng
RT: 27.656 min Scan# 4194
Delta R.T. -0.018 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

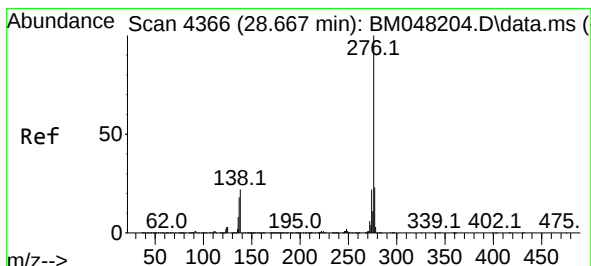
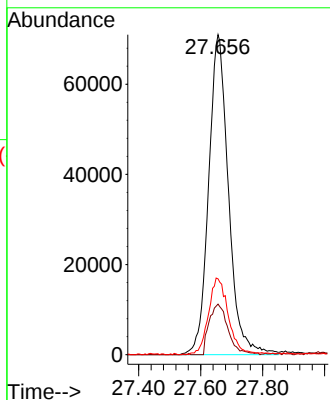
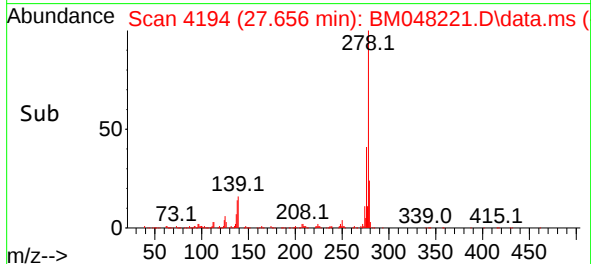
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:278 Resp: 315724
Ion Ratio Lower Upper
278 100
139 15.8 12.2 18.4
279 23.7 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#92
Benzo(g,h,i)perylene
Concen: 4.785 ng
RT: 28.644 min Scan# 4362
Delta R.T. -0.023 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:276 Resp: 304231
Ion Ratio Lower Upper
276 100
277 23.7 18.5 27.7
138 20.1 17.5 26.3

