

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048217.D
 Acq On : 24 Oct 2024 15:10
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 24 15:50:13 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	7.722	152	182620	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	730673	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	456826	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	915080	20.000	ng	0.00
76) Chrysene-d12	21.333	240	860079	20.000	ng	0.00
86) Perylene-d12	24.285	264	927674	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	954994	87.903	ng	0.00
7) Phenol-d6	6.898	99	1227940	86.789	ng	0.00
23) Nitrobenzene-d5	8.875	82	807115	62.370	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	486149	86.943	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	1841888	61.870	ng	0.00
79) Terphenyl-d14	19.733	244	2493919	59.174	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.204	88	34656	7.793	ng	99
3) Pyridine	3.610	79	79785	6.754	ng	99
4) n-Nitrosodimethylamine	3.516	42	36088	7.195	ng	# 93
6) Aniline	7.051	93	107168	9.125	ng	99
8) 2-Chlorophenol	7.287	128	90039	7.628	ng	99
9) Benzaldehyde	6.863	77	71498m	10.286	ng	
10) Phenol	6.928	94	104902	7.369	ng	98
11) bis(2-Chloroethyl)ether	7.145	93	85413	7.533	ng	98
12) 1,3-Dichlorobenzene	7.610	146	101646	7.470	ng	99
13) 1,4-Dichlorobenzene	7.757	146	104359	7.549	ng	97
14) 1,2-Dichlorobenzene	8.069	146	99421	7.441	ng	96
15) Benzyl Alcohol	7.969	79	65523	7.259	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.239	45	131756	7.945	ng	99
17) 2-Methylphenol	8.175	107	64925	6.864	ng	91
18) Hexachloroethane	8.792	117	37491	7.399	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	63578	7.103	ng	100
20) 3+4-Methylphenols	8.504	107	86999	6.639	ng	97
22) Acetophenone	8.545	105	136892	7.677	ng	# 99
24) Nitrobenzene	8.916	77	98868	7.374	ng	99
25) Isophorone	9.445	82	170005	7.167	ng	98
26) 2-Nitrophenol	9.633	139	40185	6.491	ng	# 92
27) 2,4-Dimethylphenol	9.698	122	27612	3.676	ng	99
28) bis(2-Chloroethoxy)met...	9.928	93	108084	7.201	ng	99
29) 2,4-Dichlorophenol	10.175	162	74489	6.894	ng	99
30) 1,2,4-Trichlorobenzene	10.375	180	89871	7.262	ng	99
31) Naphthalene	10.557	128	276259	7.249	ng	99
32) Benzoic acid	9.804	122	72533m	8.676	ng	
33) 4-Chloroaniline	10.680	127	92618	7.494	ng	98
34) Hexachlorobutadiene	10.845	225	53840	7.020	ng	98
35) Caprolactam	11.457	113	21440m	6.109	ng	
36) 4-Chloro-3-methylphenol	11.816	107	73669	6.531	ng	99
37) 2-Methylnaphthalene	12.180	142	182379	7.163	ng	98
38) 1-Methylnaphthalene	12.398	142	168884	6.689	ng	99
40) 1,2,4,5-Tetrachloroben...	12.551	216	97870	7.496	ng	98
41) Hexachlorocyclopentadiene	12.527	237	31691	7.172	ng	96
43) 2,4,6-Trichlorophenol	12.798	196	58115	6.707	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	63378	6.559	ng	97
46) 1,1'-Biphenyl	13.192	154	247205	7.579	ng	99
47) 2-Chloronaphthalene	13.239	162	186120	7.237	ng	98
48) 2-Nitroaniline	13.451	65	43915	6.296	ng	97
49) Acenaphthylene	14.086	152	286990	7.649	ng	99
50) Dimethylphthalate	13.821	163	226854	7.274	ng	100
51) 2,6-Dinitrotoluene	13.939	165	44898	6.452	ng	96
52) Acenaphthene	14.427	154	171252	7.183	ng	99
53) 3-Nitroaniline	14.280	138	40948	6.240	ng	100
54) 2,4-Dinitrophenol	14.492	184	22257	5.474	ng	92
55) Dibenzofuran	14.762	168	285608	7.541	ng	99
56) 4-Nitrophenol	14.610	139	30321	5.177	ng	92
57) 2,4-Dinitrotoluene	14.739	165	55787	6.071	ng	97
58) Fluorene	15.410	166	221312	7.389	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	59512	7.430	ng	98
60) Diethylphthalate	15.186	149	223063	7.064	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	111545	7.449	ng	95
62) 4-Nitroaniline	15.439	138	37705	5.552	ng	89
63) Azobenzene	15.698	77	203318	7.184	ng	100
65) 4,6-Dinitro-2-methylph...	15.504	198	40225	7.576	ng	98
66) n-Nitrosodiphenylamine	15.621	169	182431	7.262	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	66151	7.130	ng	94
68) Hexachlorobenzene	16.415	284	80436	7.218	ng	98
69) Atrazine	16.574	200	61411	8.737	ng	98
70) Pentachlorophenol	16.762	266	85185	11.644	ng	97
71) Phenanthrene	17.151	178	341230	7.531	ng	100
72) Anthracene	17.239	178	303803	6.926	ng	99
73) Carbazole	17.515	167	299461	6.964	ng	100
74) Di-n-butylphthalate	18.074	149	358975	6.707	ng	99
75) Fluoranthene	19.168	202	379899	7.028	ng	98
77) Benzidine	19.362	184	59815m	6.026	ng	
78) Pyrene	19.527	202	400811	6.962	ng	100
80) Butylbenzylphthalate	20.427	149	155838	6.474	ng	97
81) Benzo(a)anthracene	21.315	228	396905	7.222	ng	98
82) 3,3'-Dichlorobenzidine	21.244	252	131182	6.968	ng	95
83) Chrysene	21.374	228	392695	7.444	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	239675	6.850	ng	99
85) Di-n-octyl phthalate	22.350	149	375396	6.195	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.603	276	471950	7.693	ng	100
88) Benzo(b)fluoranthene	23.350	252	402822	7.573	ng	99
89) Benzo(k)fluoranthene	23.415	252	403775	7.852	ng	99
90) Benzo(a)pyrene	24.144	252	356941	7.719	ng	99
91) Dibenzo(a,h)anthracene	27.656	278	391921	7.672	ng	99
92) Benzo(g,h,i)perylene	28.644	276	376565	7.199	ng	99

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

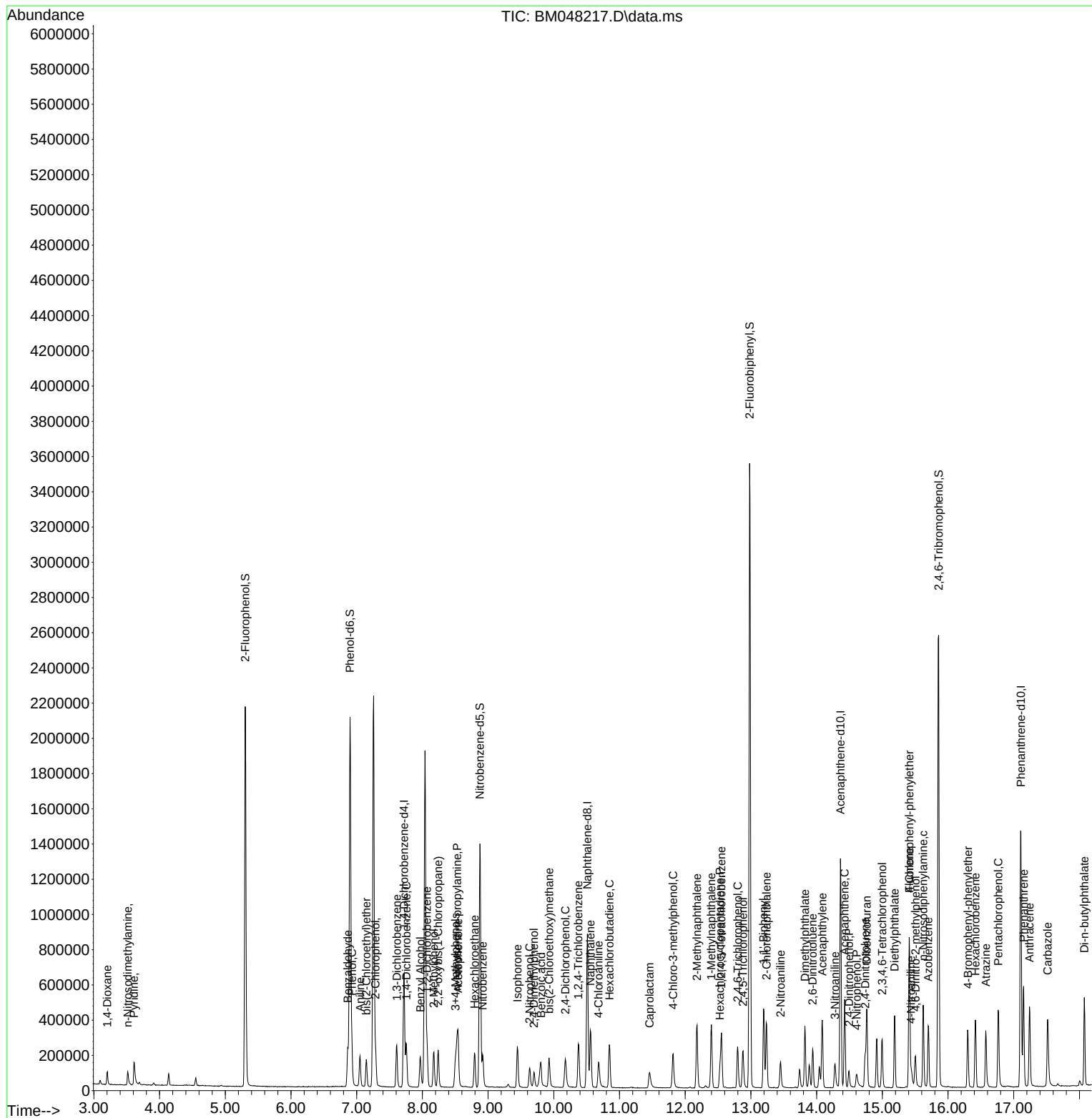
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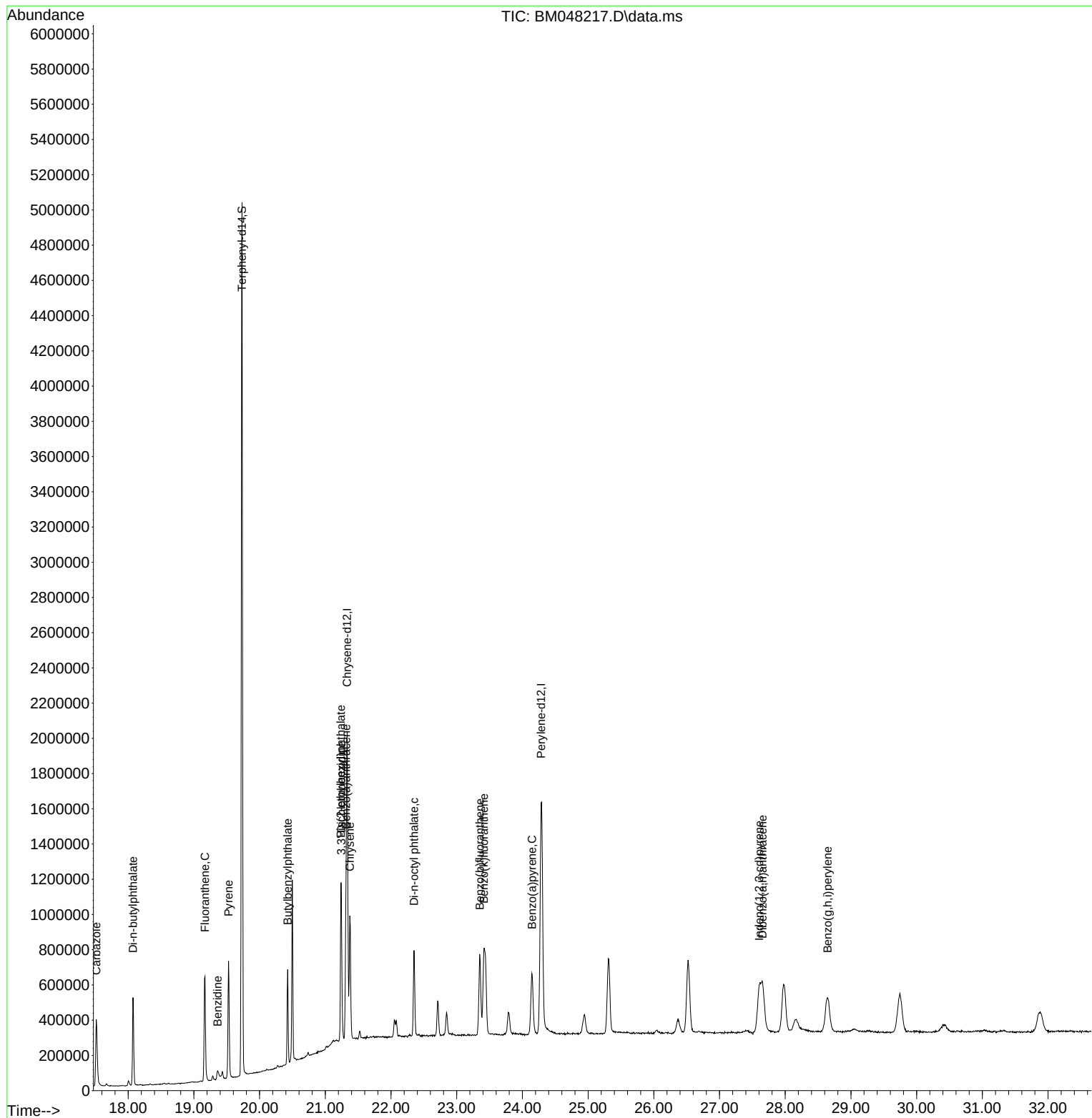
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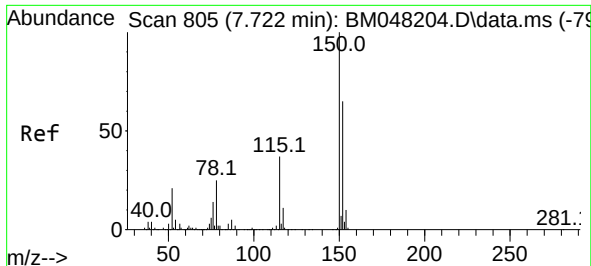
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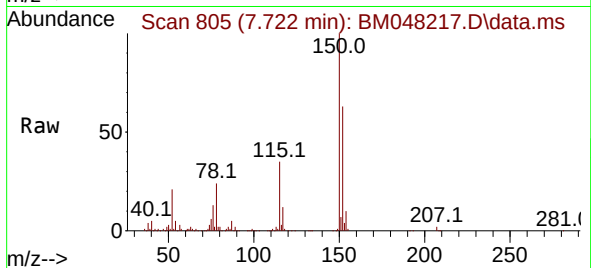
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 805
Delta R.T. -0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

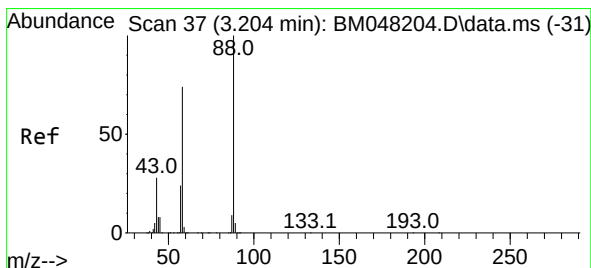
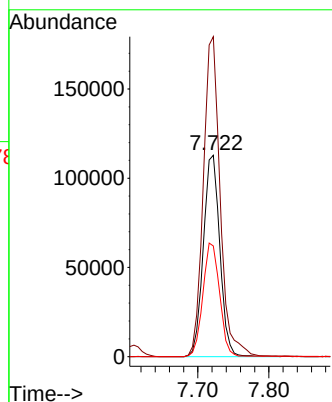
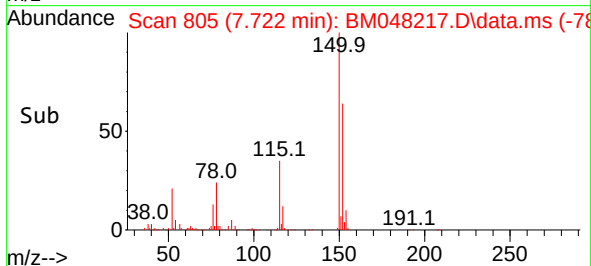
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BNA_M
ClientSampleId :
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Tgt Ion:152 Resp: 182620
Ion Ratio Lower Upper
152 100
150 158.9 123.0 184.6
115 55.0 45.8 68.6

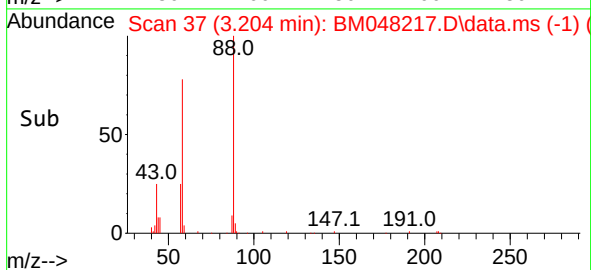
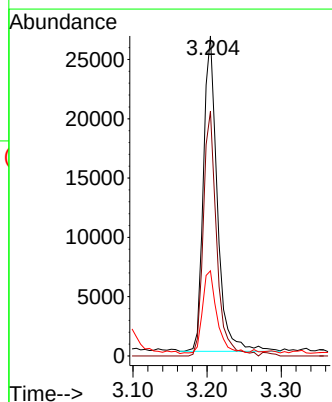
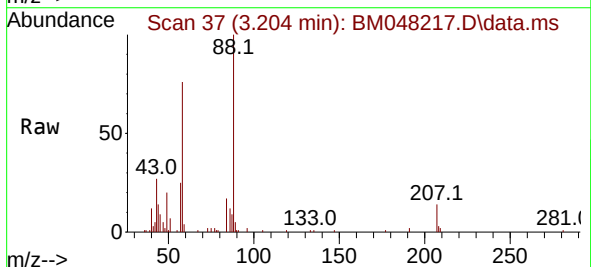
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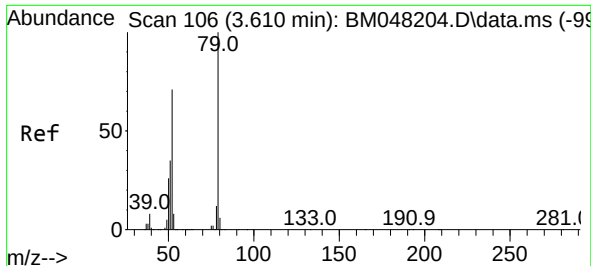
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#2
1,4-Dioxane
Concen: 7.793 ng
RT: 3.204 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

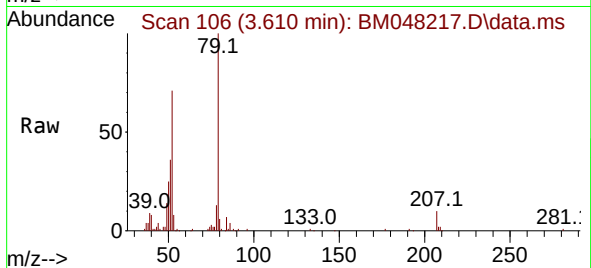
Tgt Ion: 88 Resp: 34656
Ion Ratio Lower Upper
88 100
58 74.3 59.7 89.5
43 26.4 22.6 33.8





#3
Pyridine
Concen: 6.754 ng
RT: 3.610 min Scan# 106
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

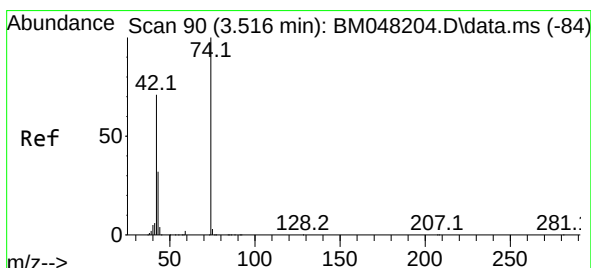
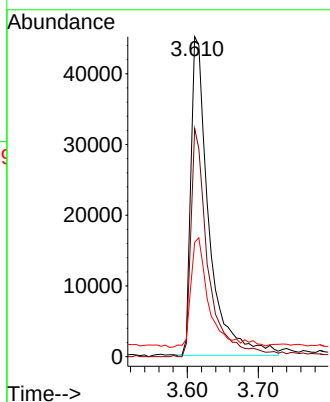
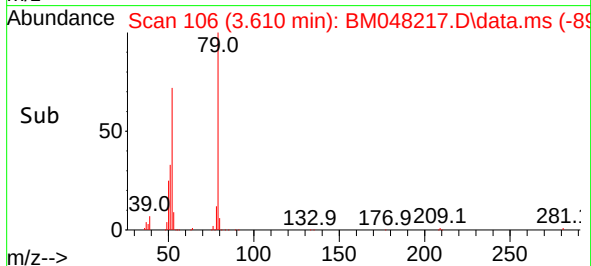
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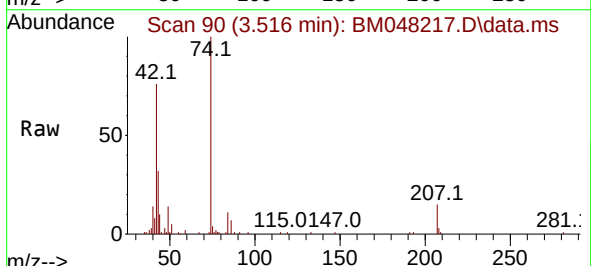
Tgt Ion: 79 Resp: 79785
Ion Ratio Lower Upper
79 100
52 71.3 56.5 84.7
51 35.8 28.5 42.7

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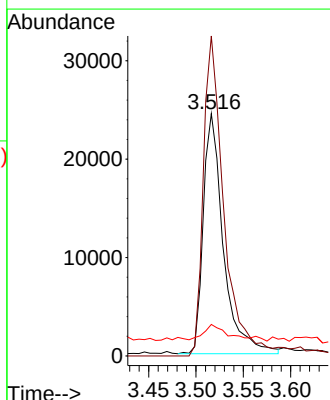
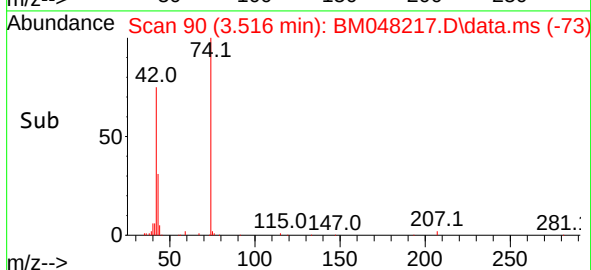
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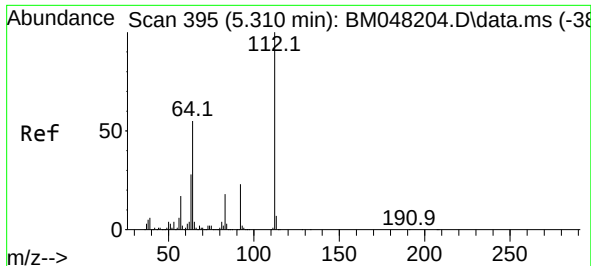


#4
n-Nitrosodimethylamine
Concen: 7.195 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



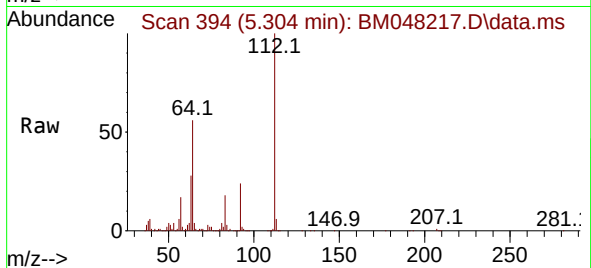
Tgt Ion: 42 Resp: 36088
Ion Ratio Lower Upper
42 100
74 132.1 111.8 167.6
44 13.0 6.0 9.0#





#5
2-Fluorophenol
Concen: 87.903 ng
RT: 5.304 min Scan# 394
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

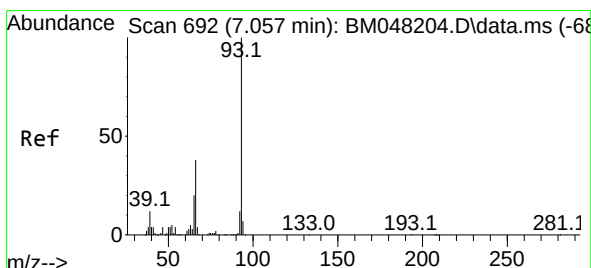
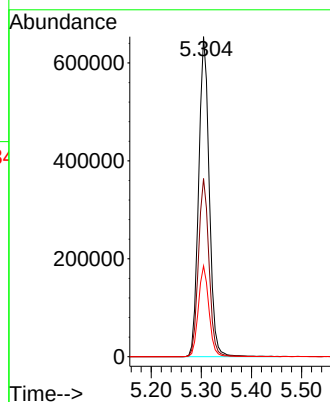
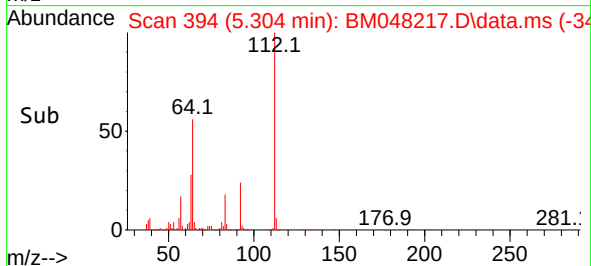
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Tgt Ion: 112 Resp: 954994
Ion Ratio Lower Upper
112 100
64 55.6 44.2 66.2
63 28.4 22.7 34.1

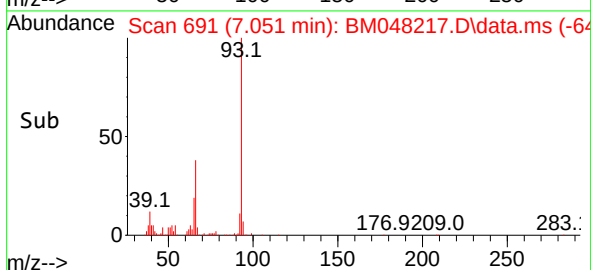
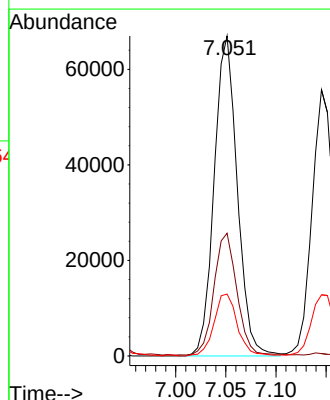
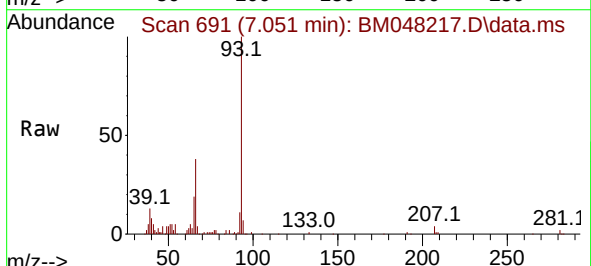
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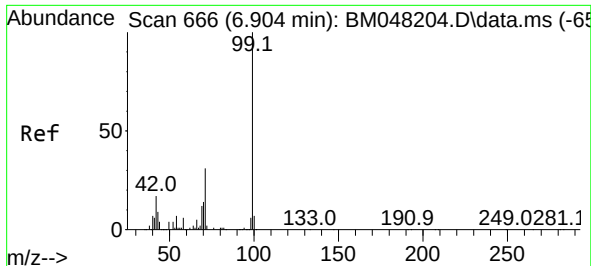
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#6
Aniline
Concen: 9.125 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048217.D
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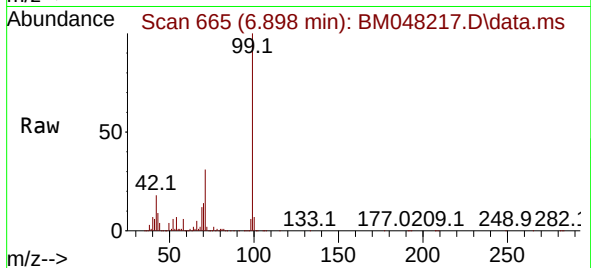
Tgt Ion: 93 Resp: 107168
Ion Ratio Lower Upper
93 100
66 38.3 30.2 45.2
65 19.3 16.2 24.2





#7
Phenol-d6
Concen: 86.789 ng
RT: 6.898 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

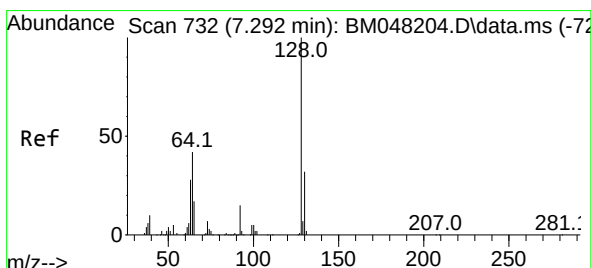
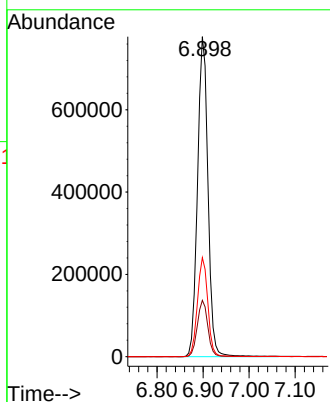
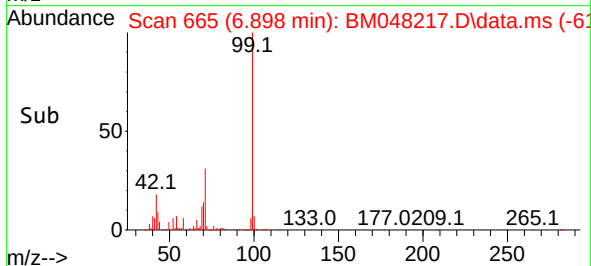
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Tgt Ion: 99 Resp: 1227940
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 31.0 24.9 37.3

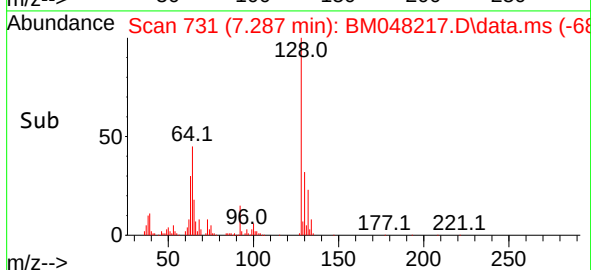
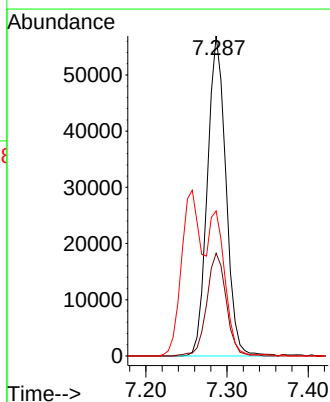
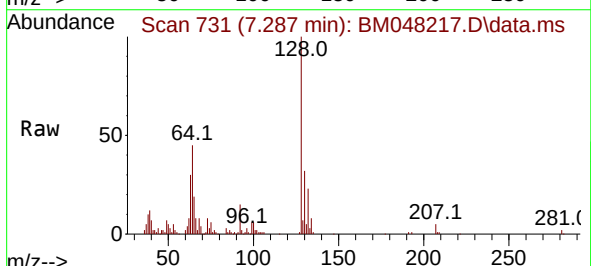
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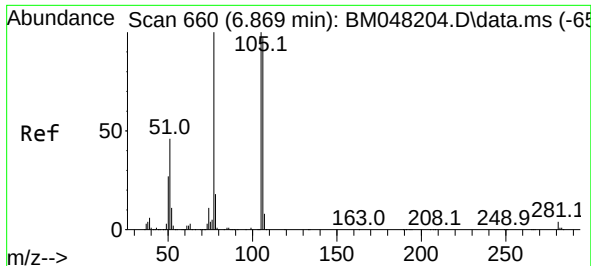
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#8
2-Chlorophenol
Concen: 7.628 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
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Tgt Ion:128 Resp: 90039
Ion Ratio Lower Upper
128 100
130 32.1 12.1 52.1
64 45.3 23.8 63.8





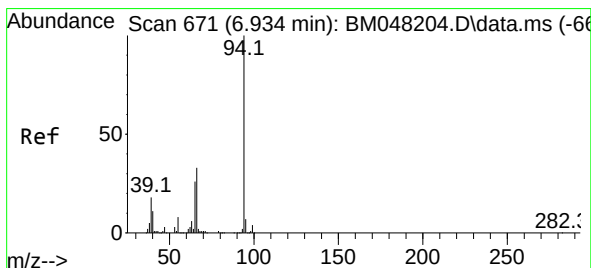
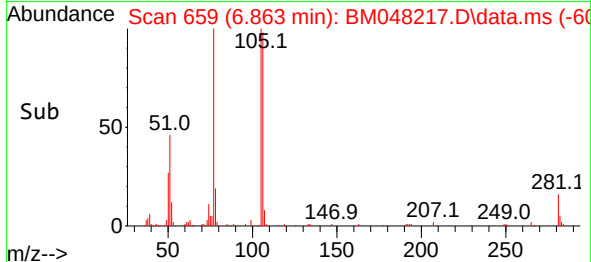
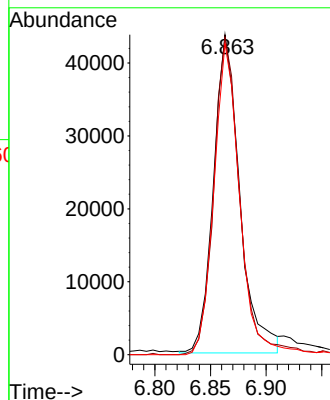
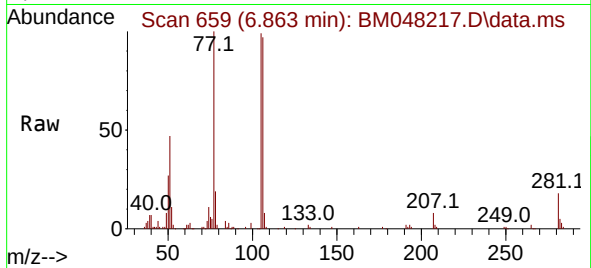
#9
Benzaldehyde
Concen: 10.286 ng m
RT: 6.863 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

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

Tgt Ion: 77 Resp: 71498
Ion Ratio Lower Upper
77 100
105 99.2 79.6 119.6
106 97.2 77.0 117.0

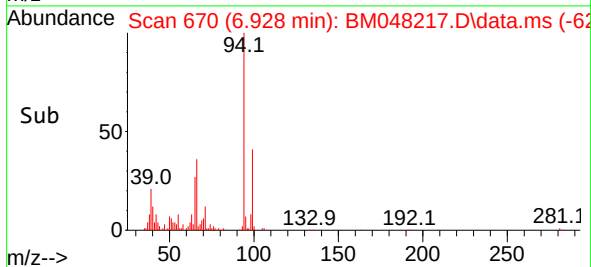
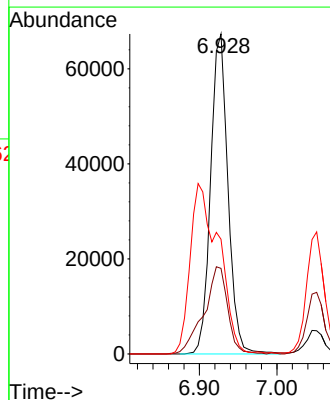
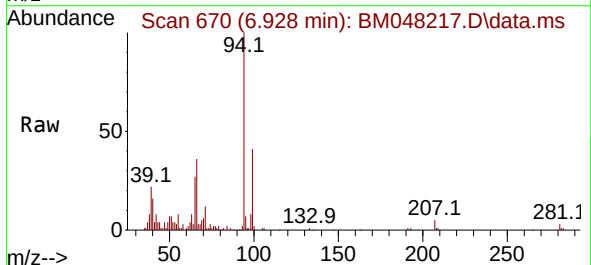
Manual Integrations
APPROVED

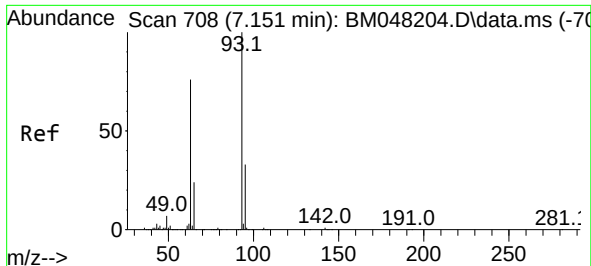
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#10
Phenol
Concen: 7.369 ng
RT: 6.928 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

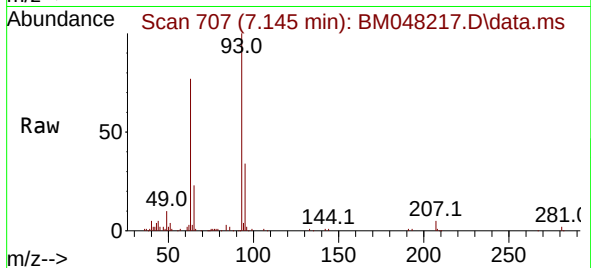
Tgt Ion: 94 Resp: 104902
Ion Ratio Lower Upper
94 100
65 26.8 6.5 46.5
66 35.9 13.6 53.6





#11
bis(2-Chloroethyl)ether
Concen: 7.533 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

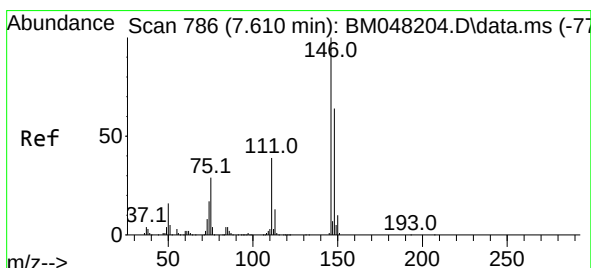
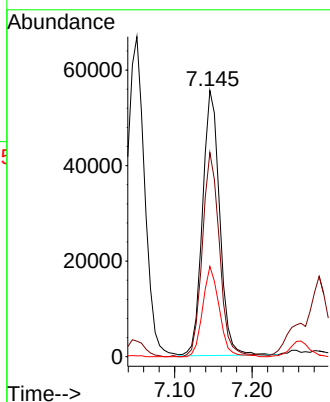
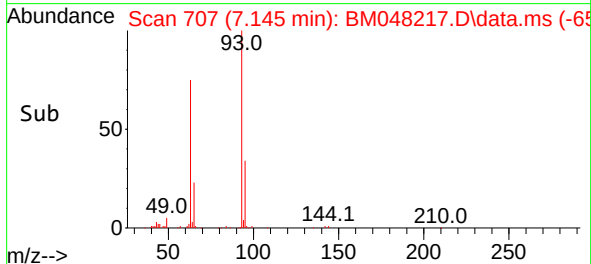
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 93 Resp: 8541
Ion Ratio Lower Upper
93 100
63 76.7 55.3 95.3
95 33.9 12.4 52.4

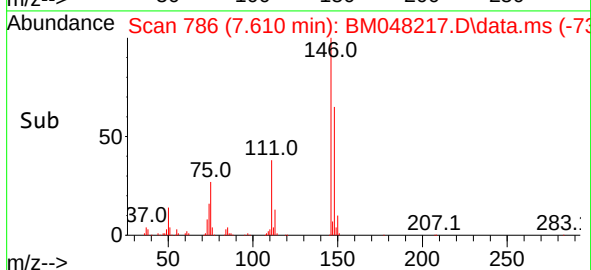
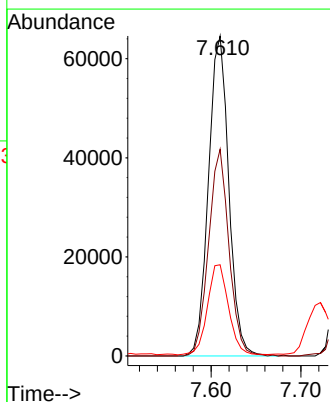
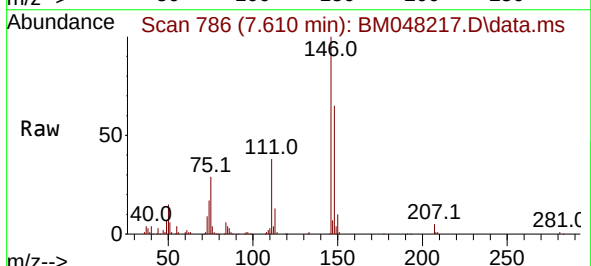
Manual Integrations
APPROVED

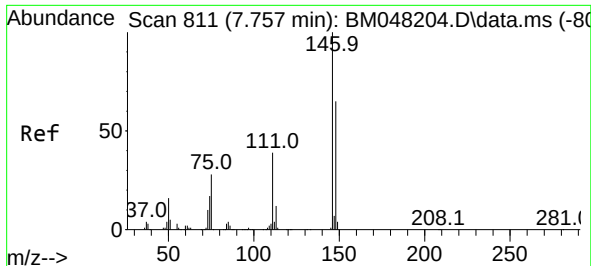
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#12
1,3-Dichlorobenzene
Concen: 7.470 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

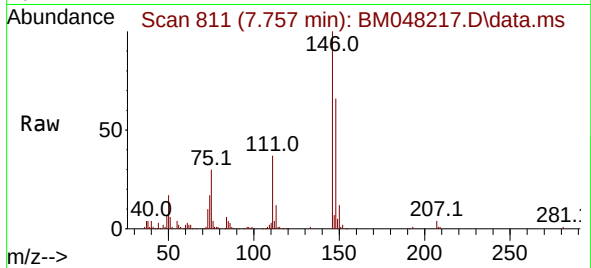
Tgt Ion:146 Resp: 101646
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
75 28.5 22.9 34.3





#13
1,4-Dichlorobenzene
Concen: 7.549 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

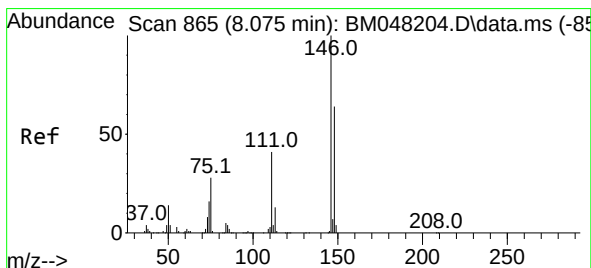
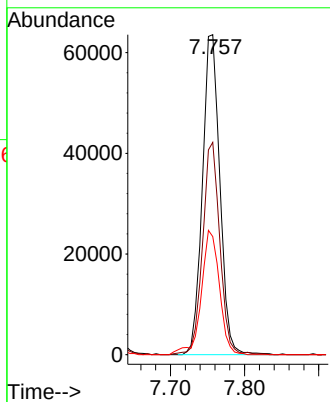
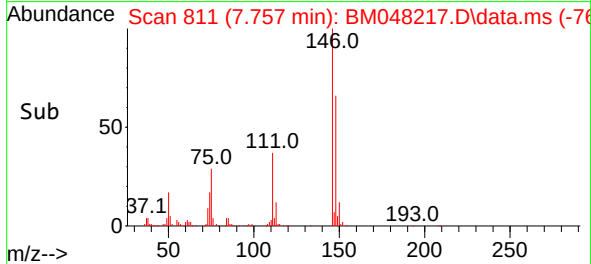
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:146 Resp: 104359
Ion Ratio Lower Upper
146 100
148 66.3 51.7 77.5
111 36.9 31.4 47.2

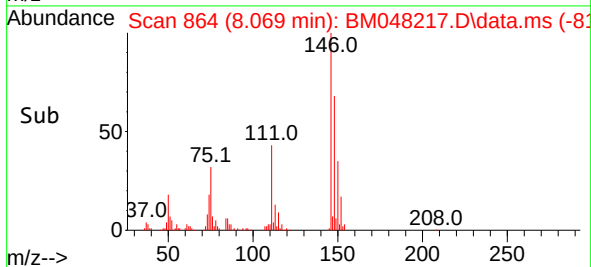
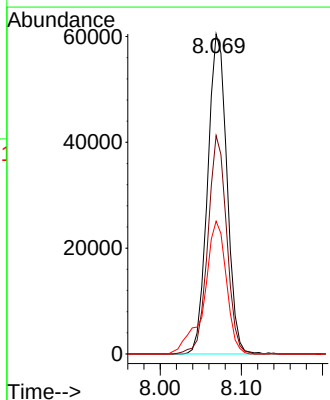
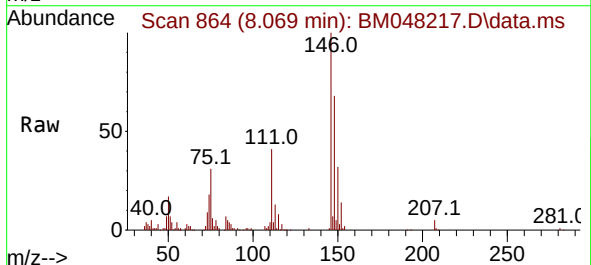
Manual Integrations
APPROVED

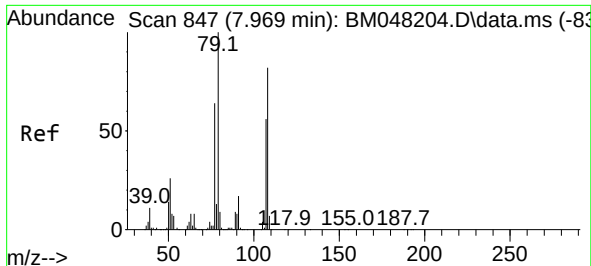
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#14
1,2-Dichlorobenzene
Concen: 7.441 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:146 Resp: 99421
Ion Ratio Lower Upper
146 100
148 68.2 51.3 76.9
111 41.5 32.7 49.1





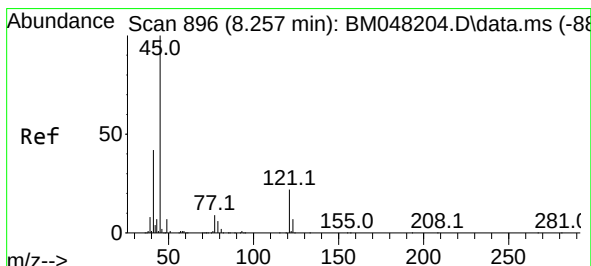
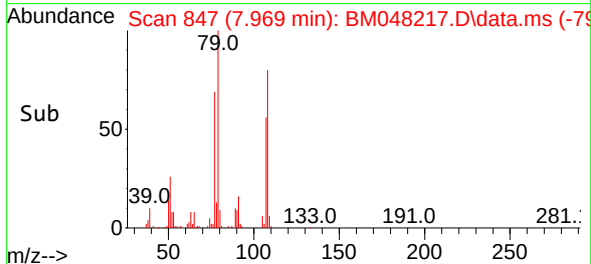
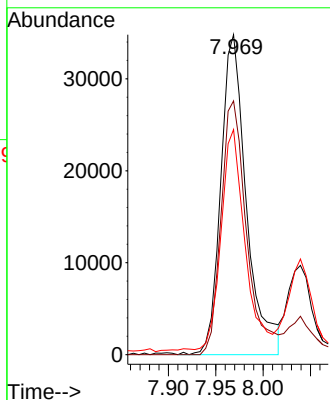
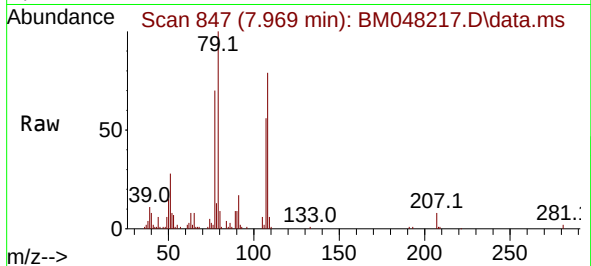
#15
Benzyl Alcohol
Concen: 7.259 ng
RT: 7.969 min Scan# 847
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

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

Tgt Ion: 79 Resp: 6552
Ion Ratio Lower Upper
79 100
108 79.3 65.2 97.8
77 70.4 51.4 77.2

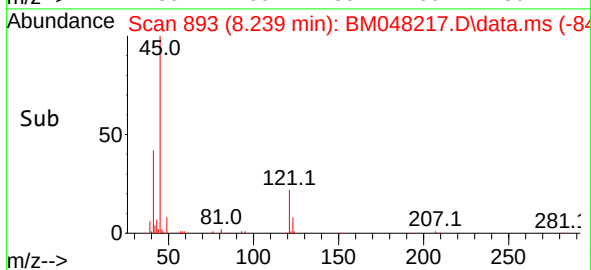
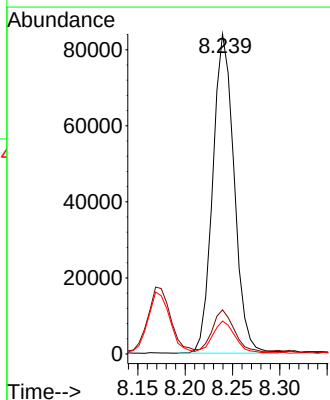
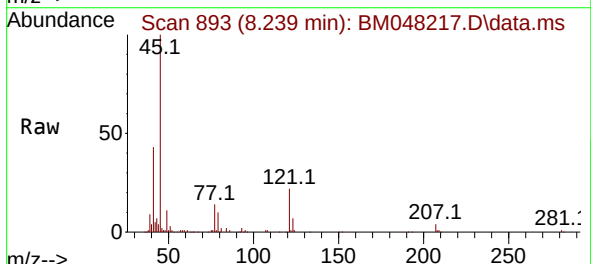
Manual Integrations
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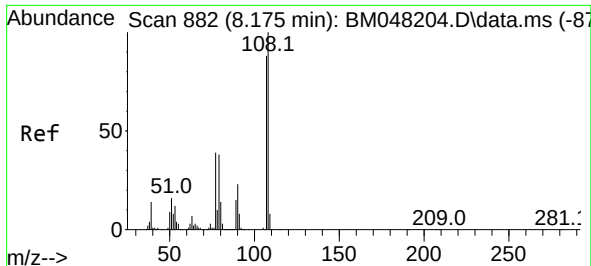
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.945 ng
RT: 8.239 min Scan# 893
Delta R.T. -0.018 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

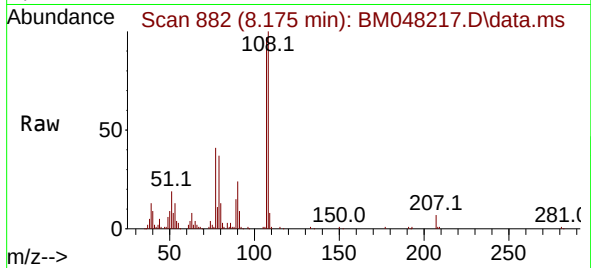
Tgt Ion: 45 Resp: 131756
Ion Ratio Lower Upper
45 100
77 13.8 0.0 34.2
79 10.3 0.0 30.7





#17
2-Methylphenol
Concen: 6.864 ng
RT: 8.175 min Scan# 882
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

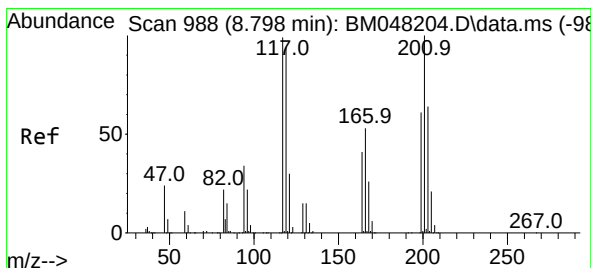
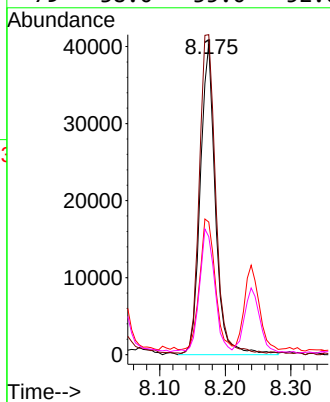
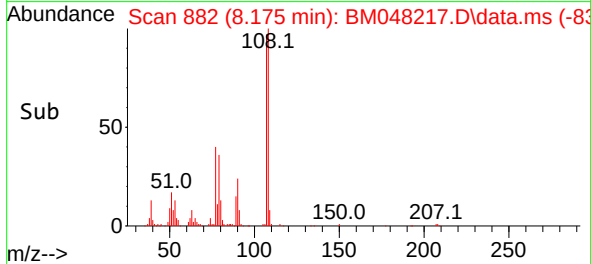
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:107 Resp: 64925
Ion Ratio Lower Upper
107 100
108 103.1 91.3 136.9
77 42.7 36.2 54.2
79 38.0 35.0 52.6

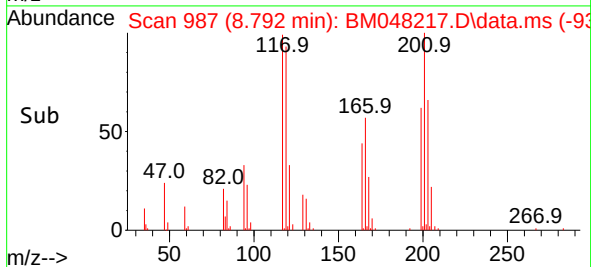
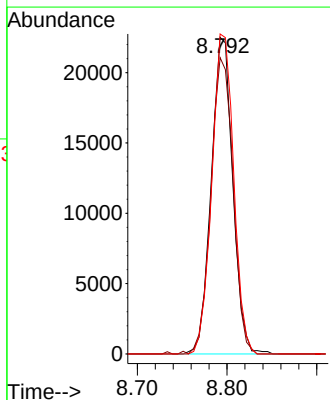
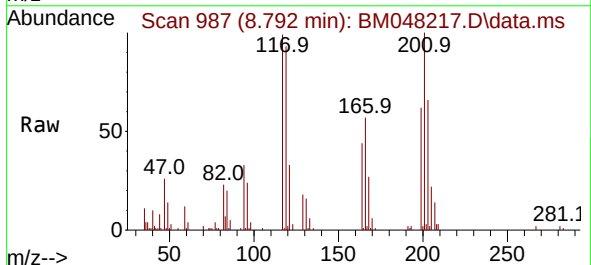
Manual Integrations
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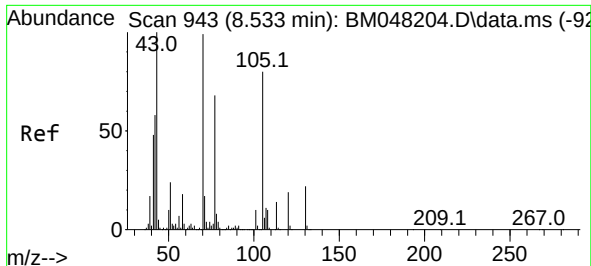
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#18
Hexachloroethane
Concen: 7.399 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

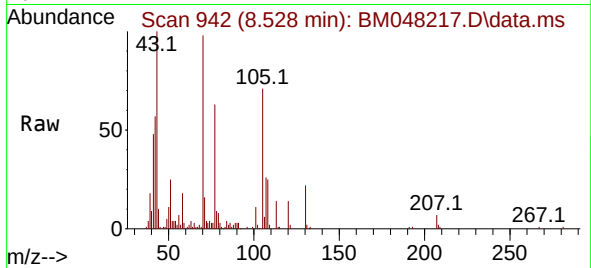
Tgt Ion:117 Resp: 37491
Ion Ratio Lower Upper
117 100
119 93.6 76.5 114.7
201 101.1 80.9 121.3





#19
n-Nitroso-di-n-propylamine
Concen: 7.103 ng
RT: 8.528 min Scan# 943
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

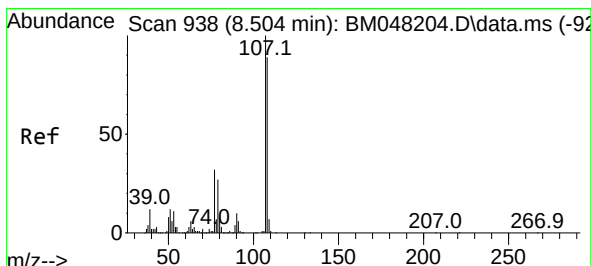
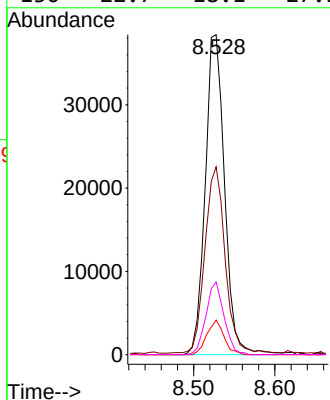
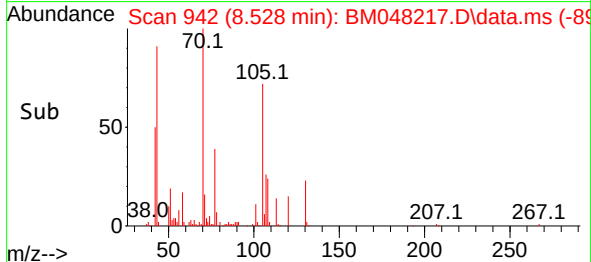
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



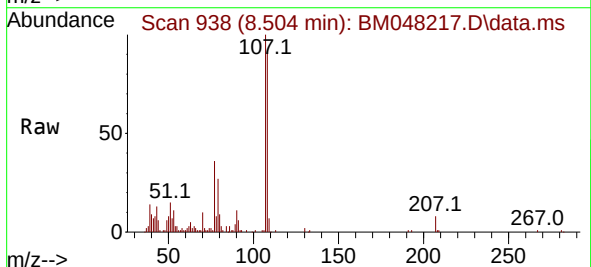
Tgt Ion: 70 Resp: 63578
Ion Ratio Lower Upper
70 100
42 58.7 47.0 70.6
101 10.8 7.8 11.6
130 22.7 18.1 27.1

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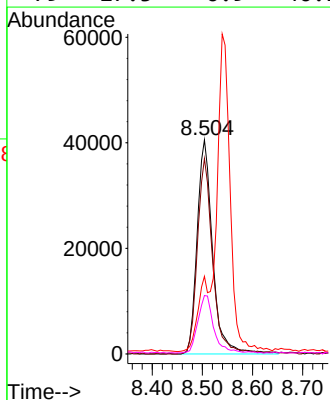
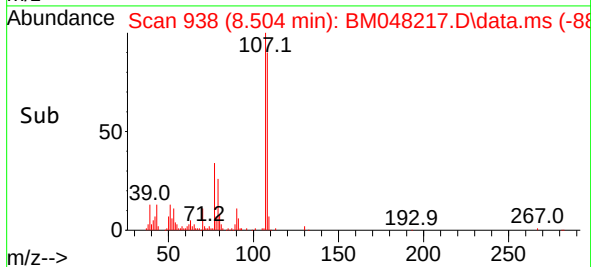
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

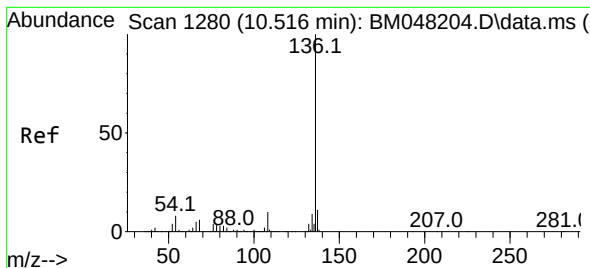


#20
3+4-Methylphenols
Concen: 6.639 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



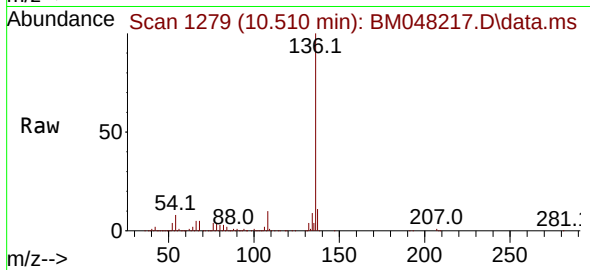
Tgt Ion:107 Resp: 86999
Ion Ratio Lower Upper
107 100
108 91.3 69.0 109.0
77 36.2 12.3 52.3
79 27.3 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

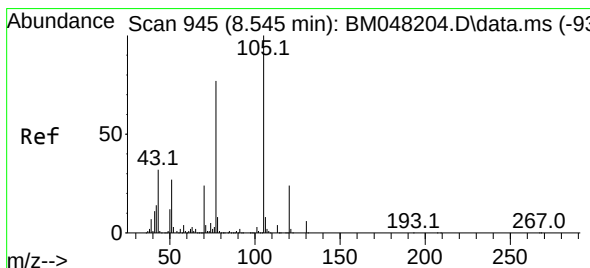
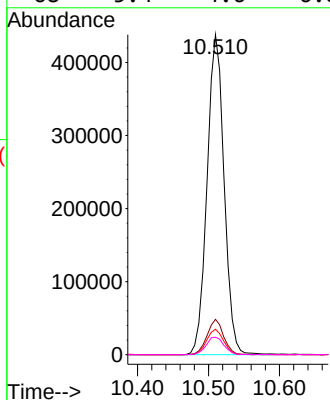
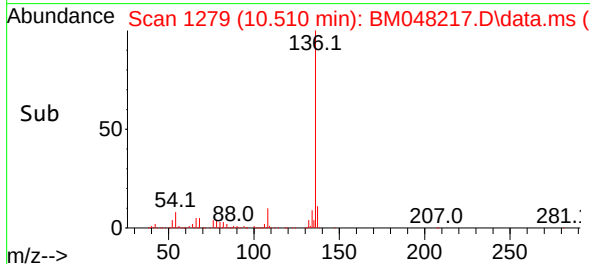
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:136 Resp: 73067
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.0 6.5 9.7
68 5.4 4.6 6.8

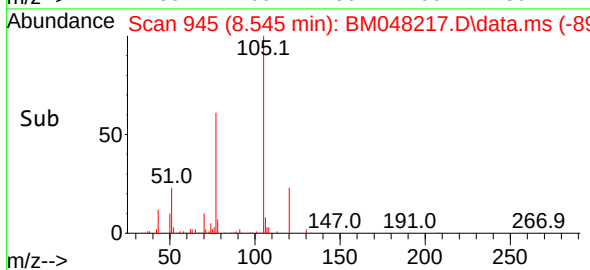
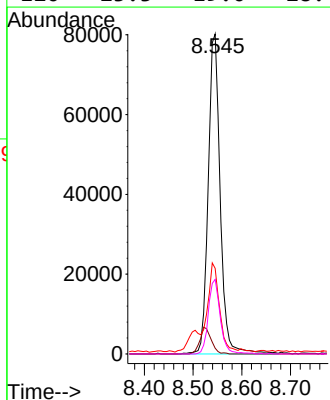
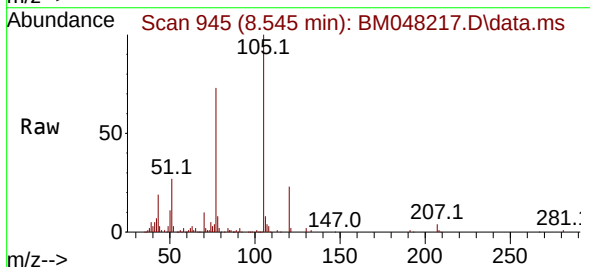
Manual Integrations
APPROVED

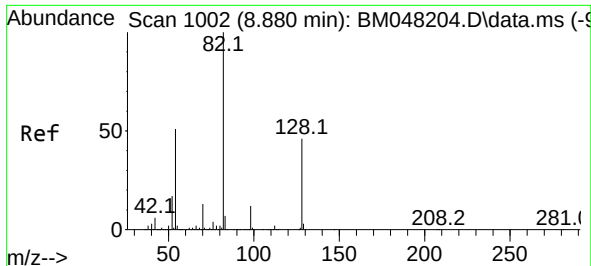
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#22
Acetophenone
Concen: 7.677 ng
RT: 8.545 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

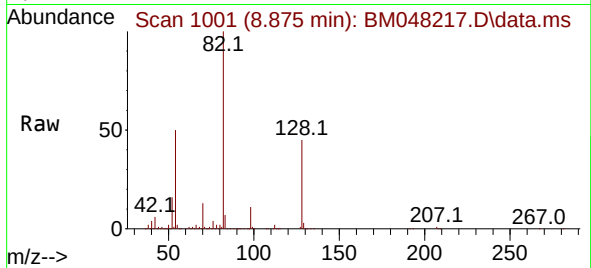
Tgt Ion:105 Resp: 136892
Ion Ratio Lower Upper
105 100
71 1.8 3.4 5.0#
51 26.7 21.7 32.5
120 23.3 19.0 28.4





#23
Nitrobenzene-d5
Concen: 62.370 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

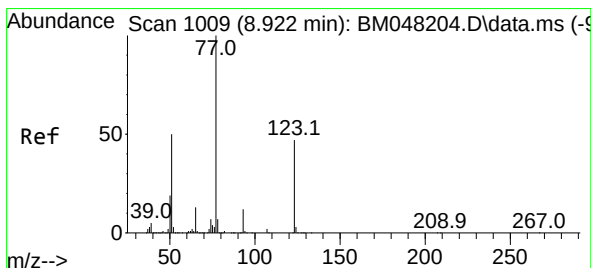
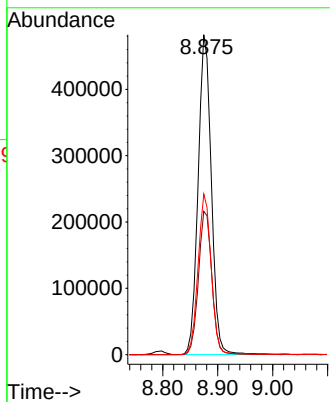
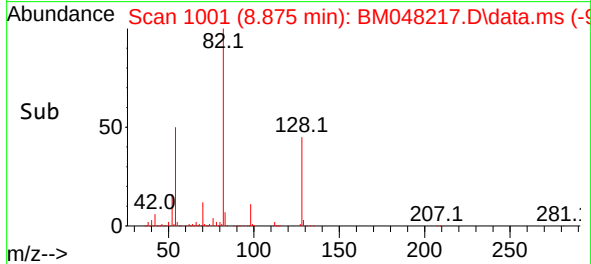
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 807115
Ion Ratio Lower Upper
82 100
128 44.8 36.6 54.8
54 50.2 41.0 61.4

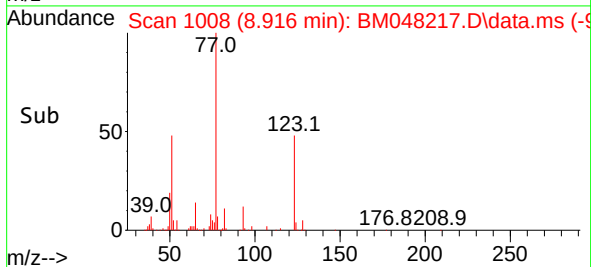
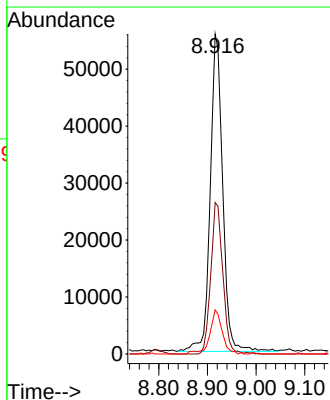
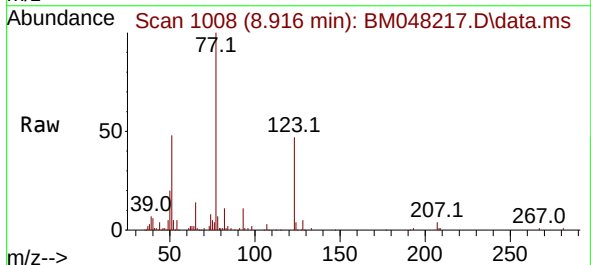
Manual Integrations
APPROVED

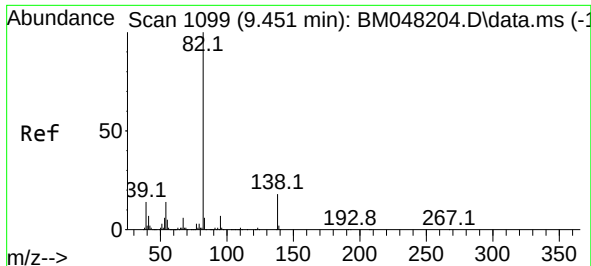
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#24
Nitrobenzene
Concen: 7.374 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

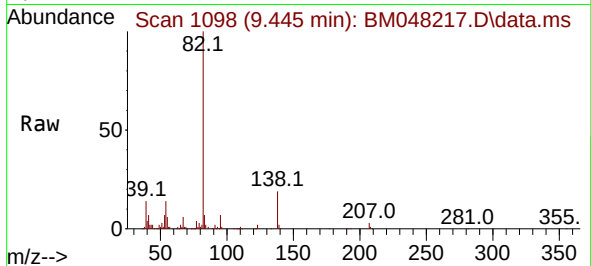
Tgt Ion: 77 Resp: 98868
Ion Ratio Lower Upper
77 100
123 47.3 37.8 56.6
65 13.8 10.4 15.6





#25
Isophorone
Concen: 7.167 ng
RT: 9.445 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

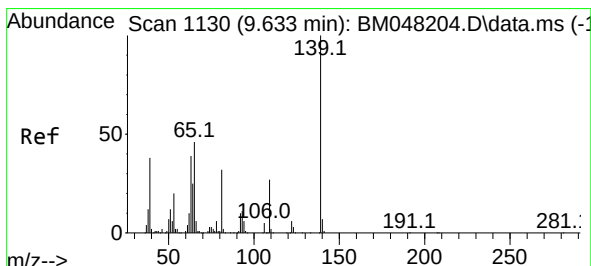
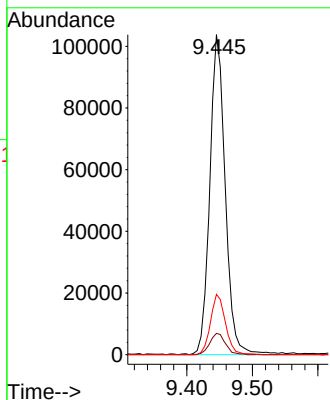
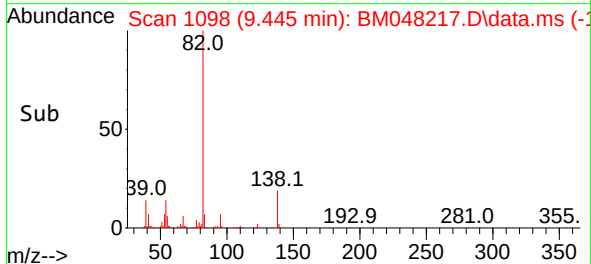
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 17000
Ion Ratio Lower Upper
82 100
95 6.6 5.3 7.9
138 18.9 14.3 21.5

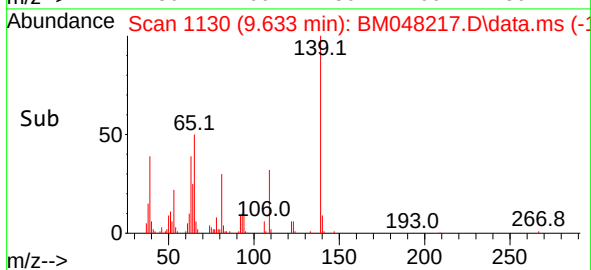
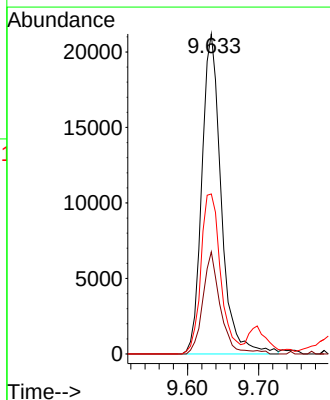
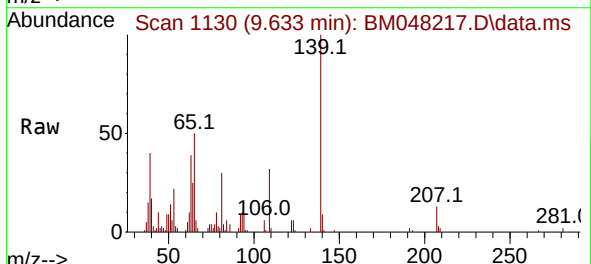
Manual Integrations
APPROVED

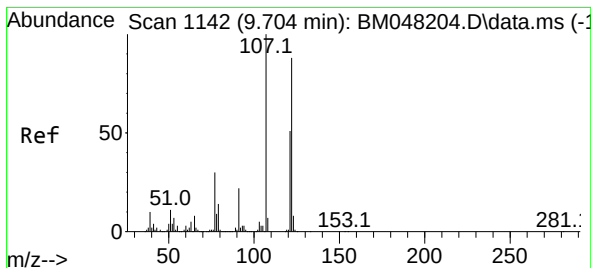
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#26
2-Nitrophenol
Concen: 6.491 ng
RT: 9.633 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

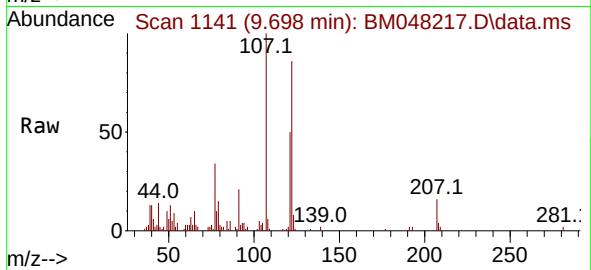
Tgt Ion:139 Resp: 40185
Ion Ratio Lower Upper
139 100
109 31.9 21.2 31.8#
65 50.0 36.8 55.2





#27
2,4-Dimethylphenol
Concen: 3.676 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

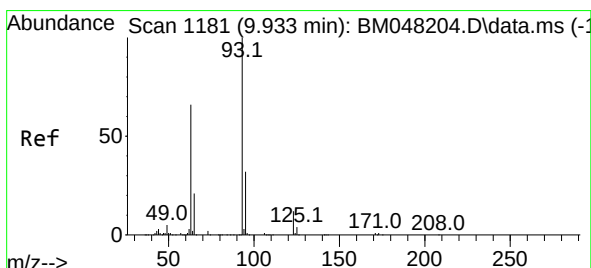
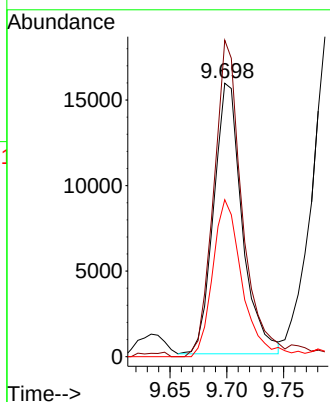
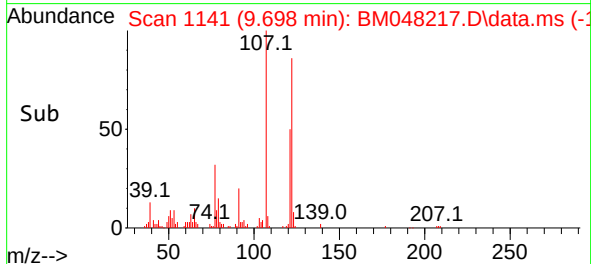
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:122 Resp: 2761
Ion Ratio Lower Upper
122 100
107 115.7 91.0 136.6
121 57.4 46.1 69.1

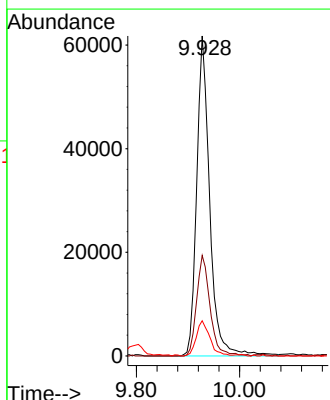
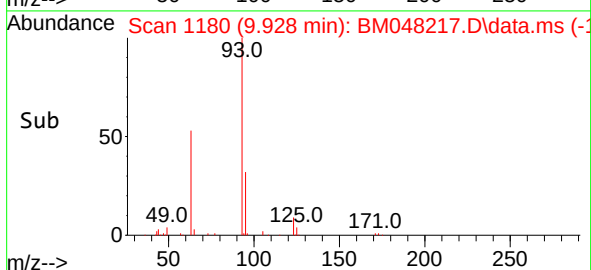
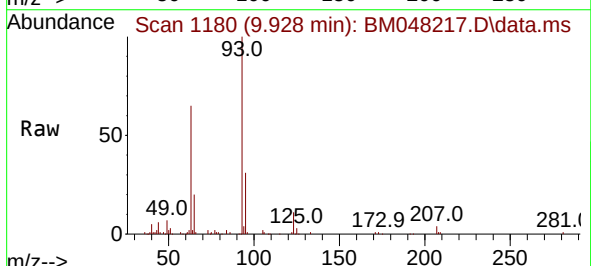
Manual Integrations
APPROVED

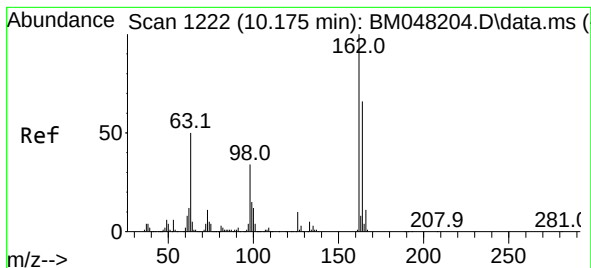
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#28
bis(2-Chloroethoxy)methane
Concen: 7.201 ng
RT: 9.928 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

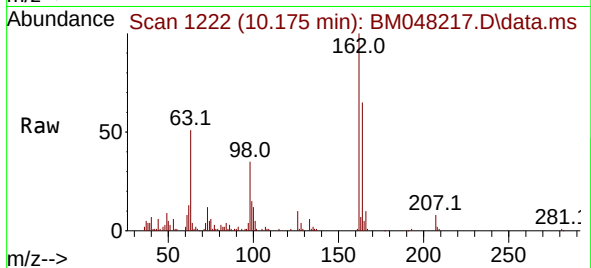
Tgt Ion: 93 Resp: 108084
Ion Ratio Lower Upper
93 100
95 31.4 25.3 37.9
123 11.0 9.8 14.6





#29
2,4-Dichlorophenol
Concen: 6.894 ng
RT: 10.175 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

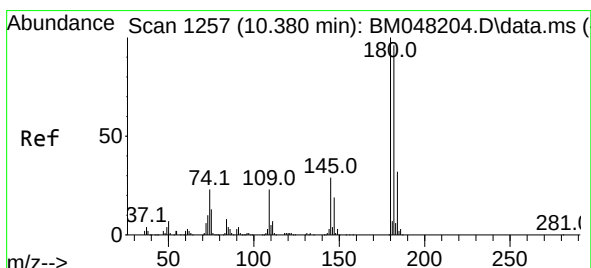
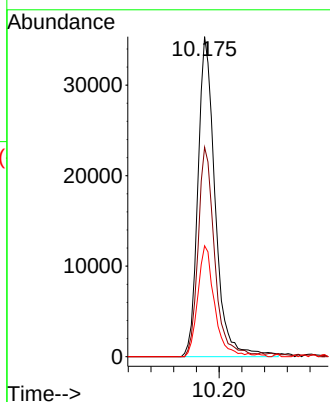
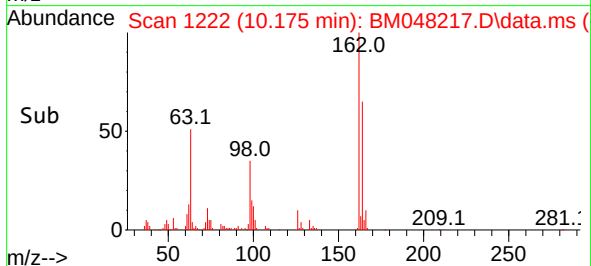
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



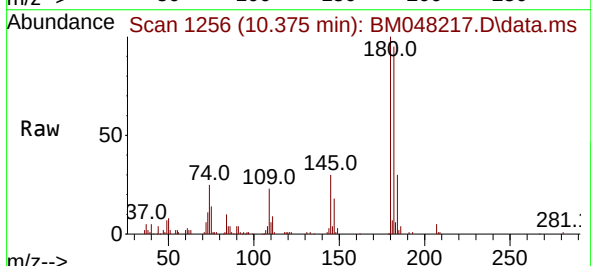
Tgt Ion:162 Resp: 74489
Ion Ratio Lower Upper
162 100
164 65.4 46.0 86.0
98 34.7 14.4 54.4

Manual Integrations
APPROVED

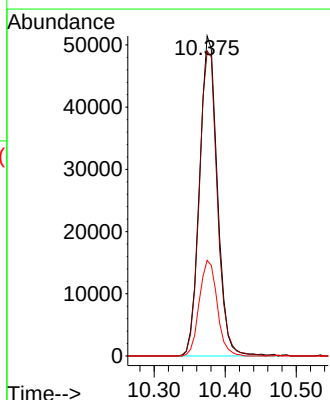
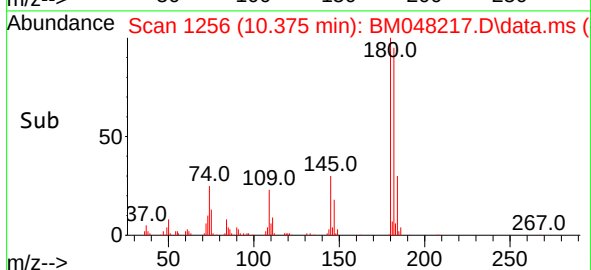
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

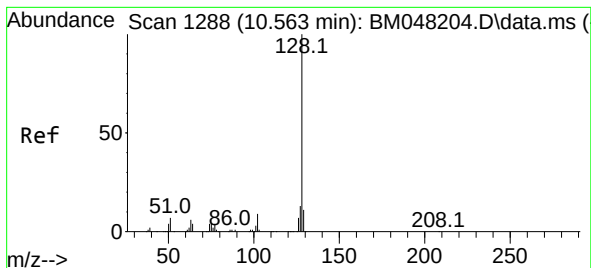


#30
1,2,4-Trichlorobenzene
Concen: 7.262 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



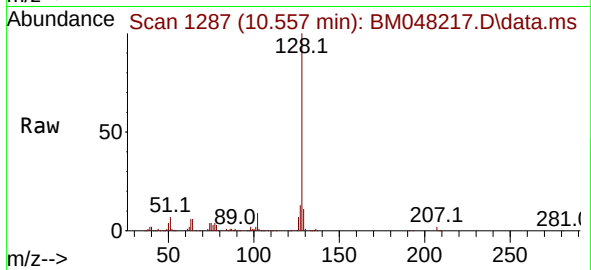
Tgt Ion:180 Resp: 89871
Ion Ratio Lower Upper
180 100
182 95.3 76.6 115.0
145 29.9 23.4 35.2





#31
Naphthalene
Concen: 7.249 ng
RT: 10.557 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

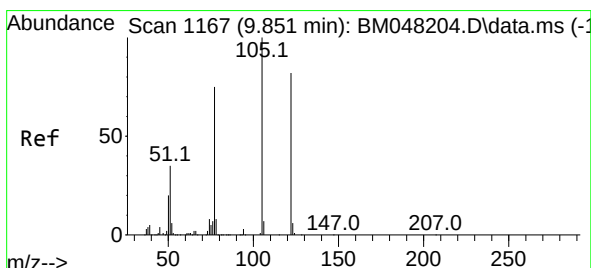
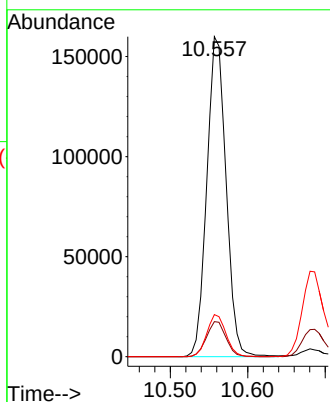
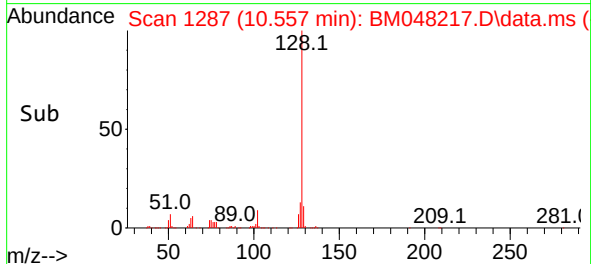
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:128 Resp: 276259
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.2 15.2

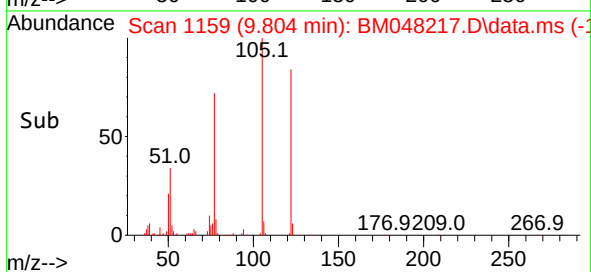
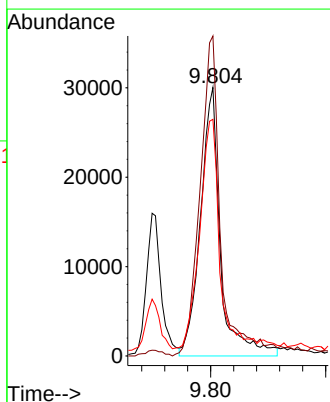
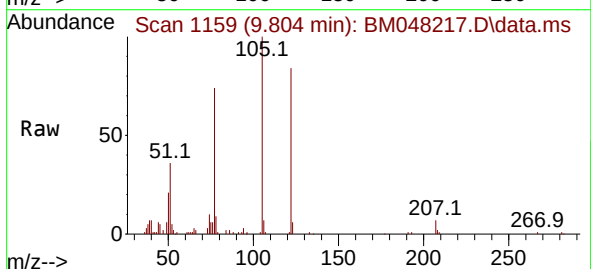
Manual Integrations
APPROVED

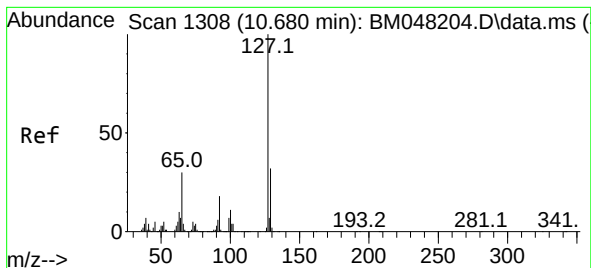
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#32
Benzoic acid
Concen: 8.676 ng m
RT: 9.804 min Scan# 1159
Delta R.T. -0.047 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

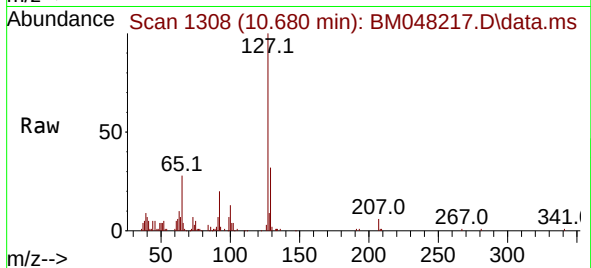
Tgt Ion:122 Resp: 72533
Ion Ratio Lower Upper
122 100
105 119.2 99.3 139.3
77 88.1 70.4 110.4





#33
4-Chloroaniline
Concen: 7.494 ng
RT: 10.680 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

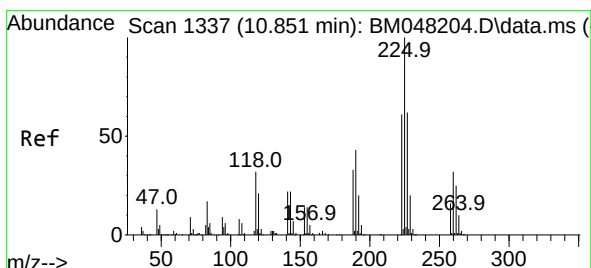
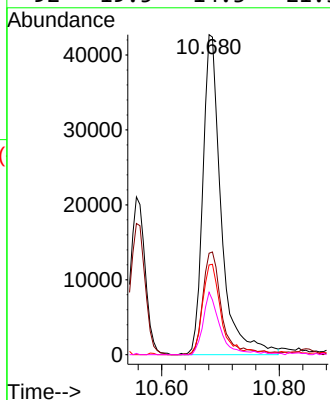
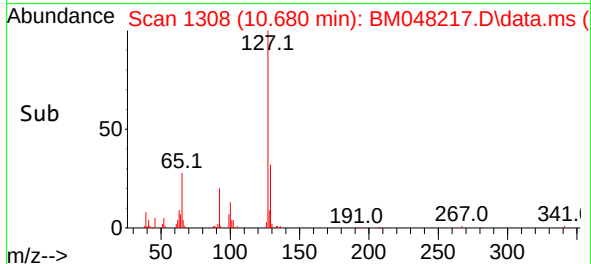
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:127 Resp: 92618
Ion Ratio Lower Upper
127 100
129 31.7 25.8 38.6
65 28.0 23.7 35.5
92 19.5 14.3 21.5

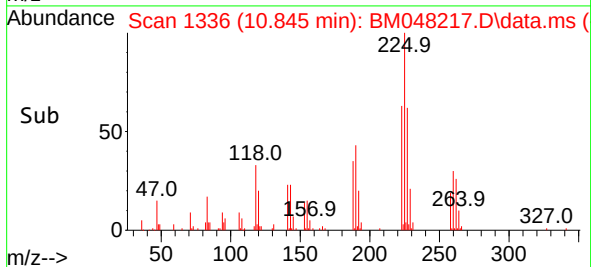
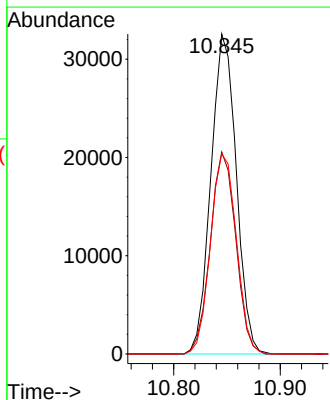
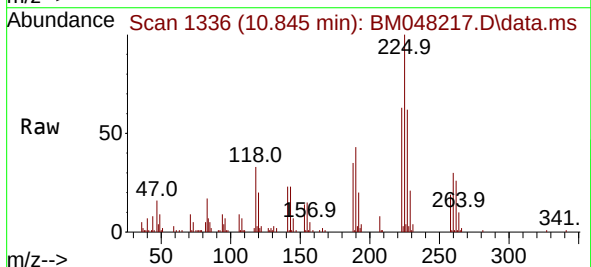
Manual Integrations
APPROVED

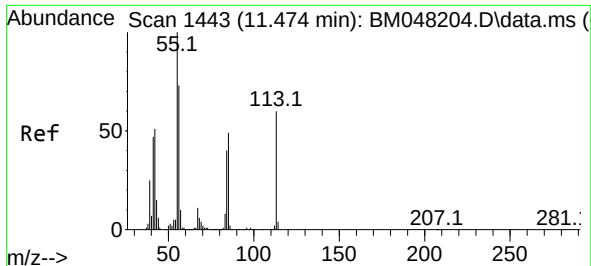
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#34
Hexachlorobutadiene
Concen: 7.020 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

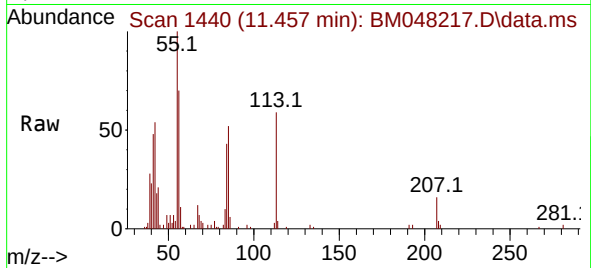
Tgt Ion:225 Resp: 53840
Ion Ratio Lower Upper
225 100
223 63.1 48.6 73.0
227 62.5 49.6 74.4





#35
Caprolactam
Concen: 6.109 ng m
RT: 11.457 min Scan# 1443
Delta R.T. -0.018 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

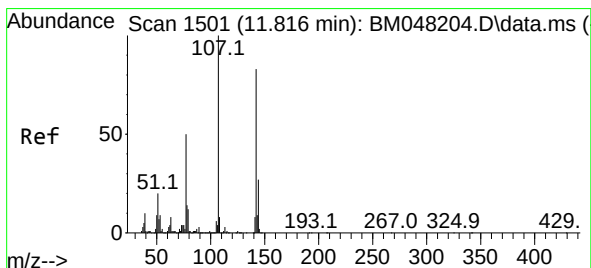
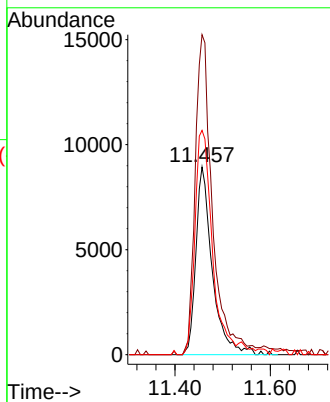
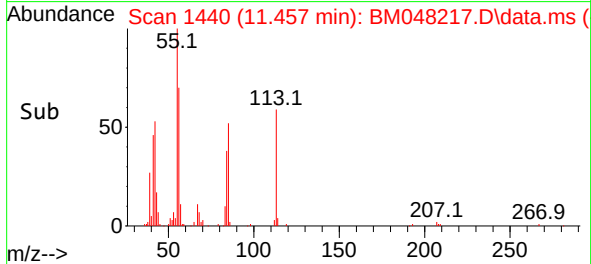
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:113 Resp: 21440
Ion Ratio Lower Upper
113 100
55 170.6 146.1 186.1
56 119.5 101.9 141.9

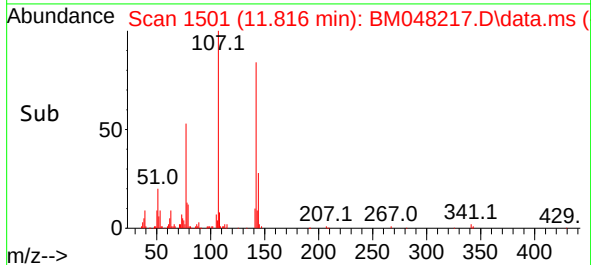
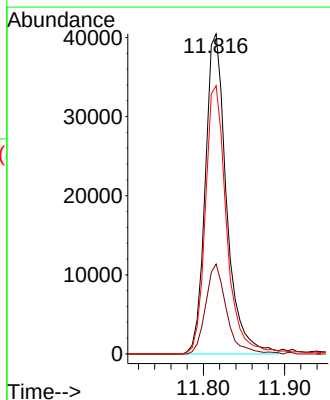
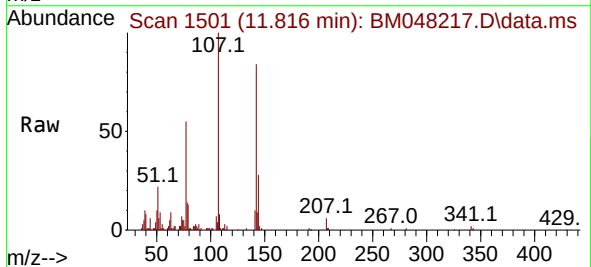
Manual Integrations
APPROVED

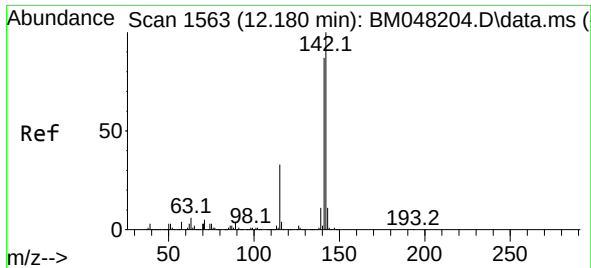
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#36
4-Chloro-3-methylphenol
Concen: 6.531 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

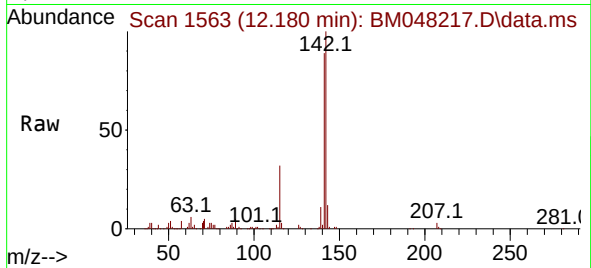
Tgt Ion:107 Resp: 73669
Ion Ratio Lower Upper
107 100
144 28.1 21.5 32.3
142 83.8 66.8 100.2





#37
2-Methylnaphthalene
Concen: 7.163 ng
RT: 12.180 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

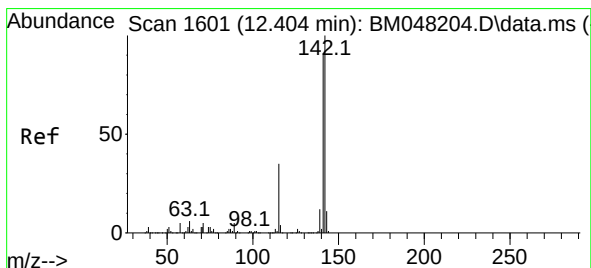
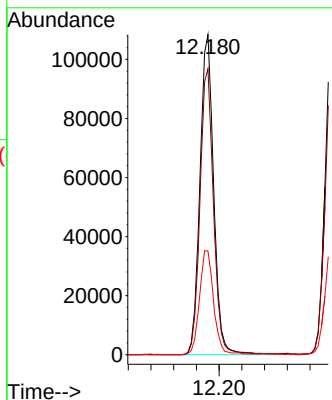
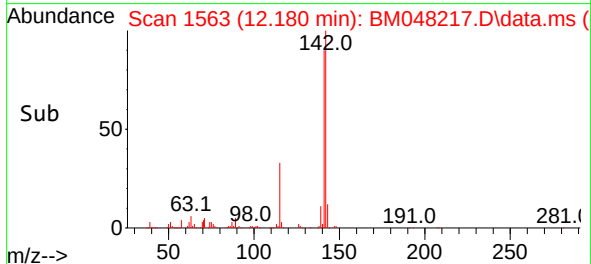
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:142 Resp: 182379
Ion Ratio Lower Upper
142 100
141 89.3 69.8 104.6
115 32.4 26.3 39.5

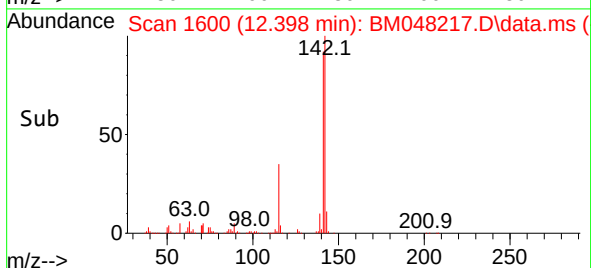
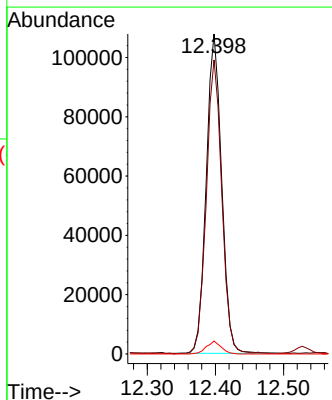
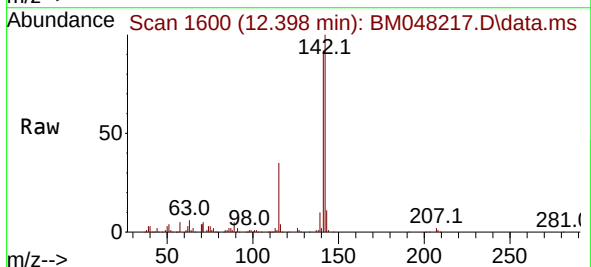
Manual Integrations
APPROVED

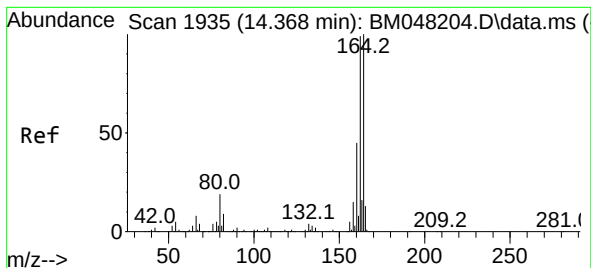
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#38
1-Methylnaphthalene
Concen: 6.689 ng
RT: 12.398 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:142 Resp: 168884
Ion Ratio Lower Upper
142 100
141 91.9 72.7 109.1
116 4.1 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.363 min Scan# 1935

Delta R.T. -0.006 min

Lab File: BM048217.D

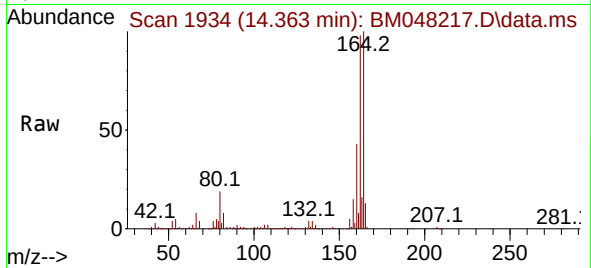
Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 456820

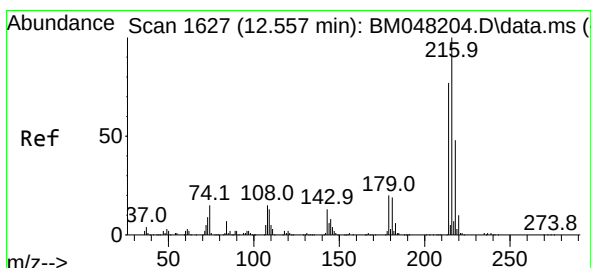
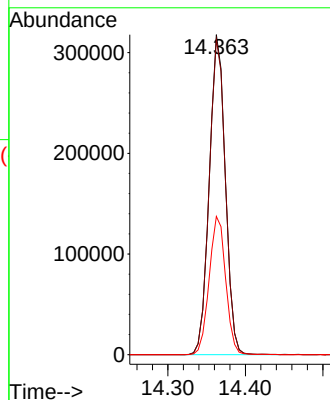
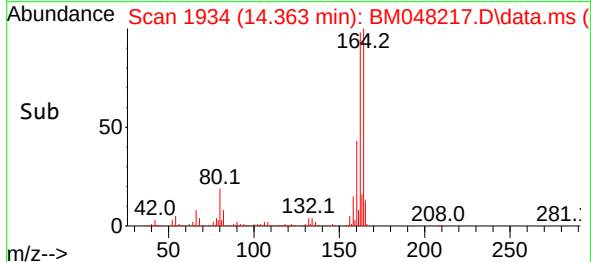
Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.1	118.7
160	43.2	35.8	53.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#40

1,2,4,5-Tetrachlorobenzene

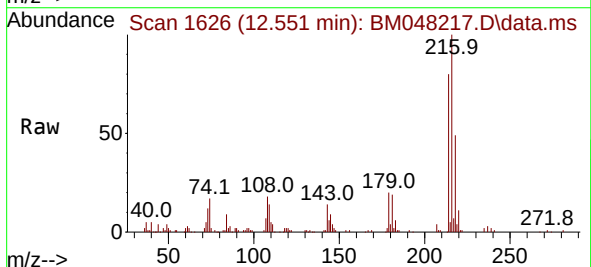
Concen: 7.496 ng

RT: 12.551 min Scan# 1626

Delta R.T. -0.006 min

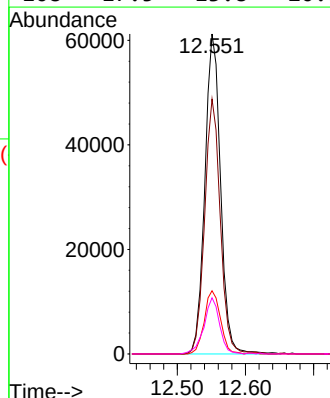
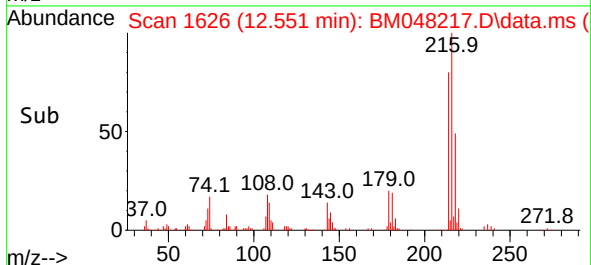
Lab File: BM048217.D

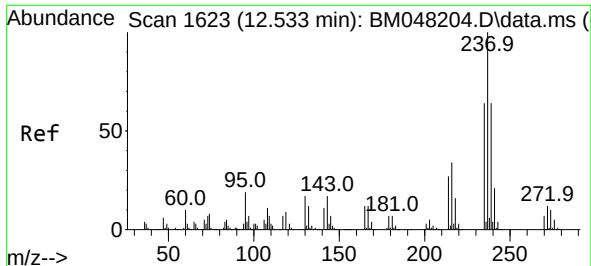
Acq: 24 Oct 2024 15:10



Tgt Ion:216 Resp: 97870

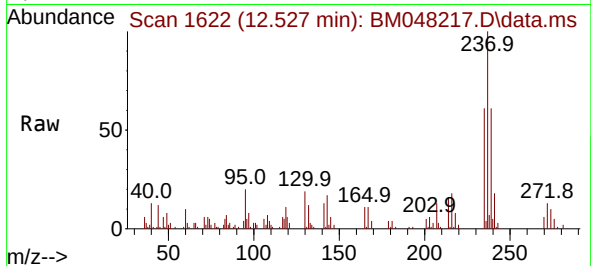
Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.2	93.2
179	20.3	16.0	24.0
108	17.5	13.8	20.8





#41
Hexachlorocyclopentadiene
Concen: 7.172 ng
RT: 12.527 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

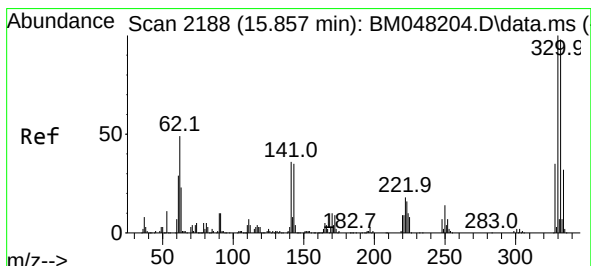
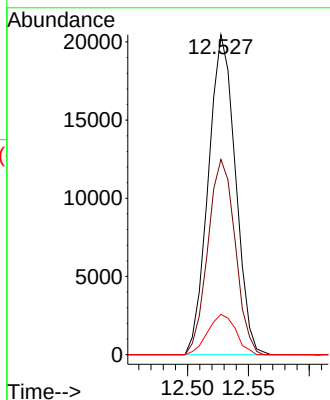
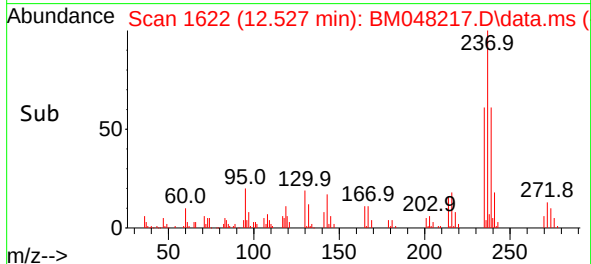
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



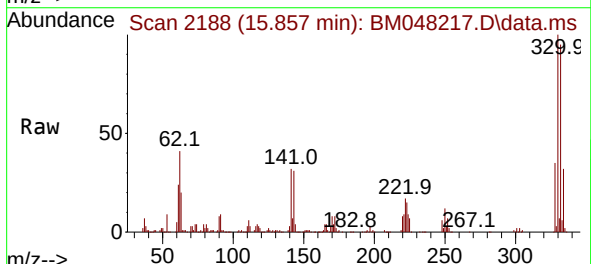
Tgt Ion:237 Resp: 3169
Ion Ratio Lower Upper
237 100
235 61.0 44.2 84.2
272 12.6 0.0 32.4

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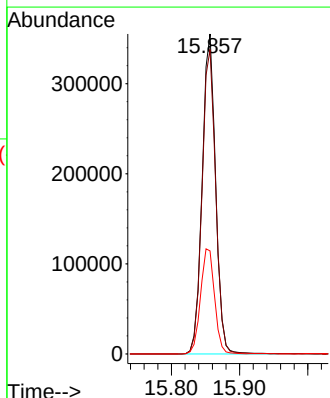
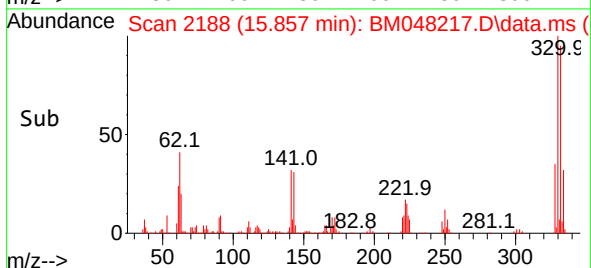
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

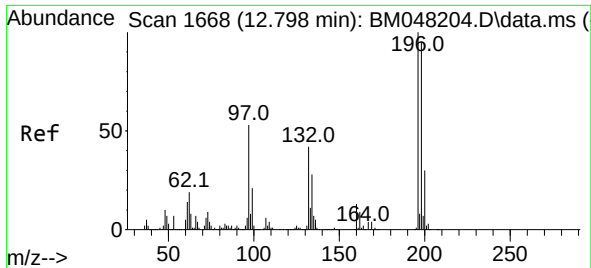


#42
2,4,6-Tribromophenol
Concen: 86.943 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



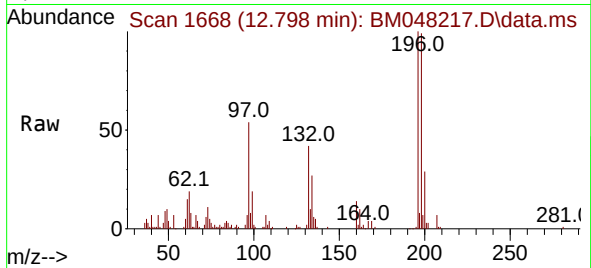
Tgt Ion:330 Resp: 486149
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 34.4 27.5 41.3





#43
2,4,6-Trichlorophenol
Concen: 6.707 ng
RT: 12.798 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

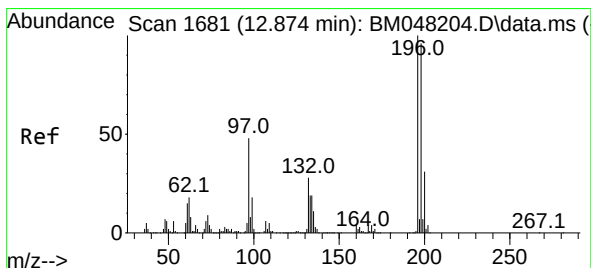
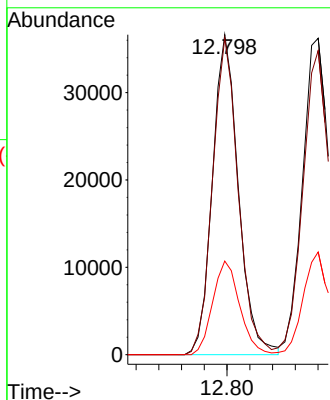
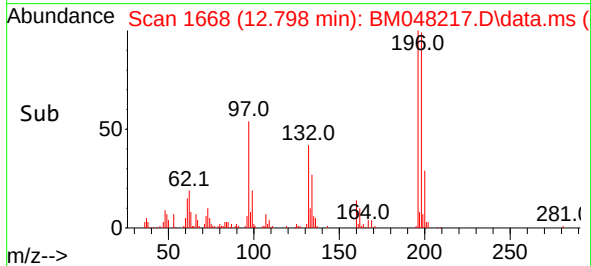
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



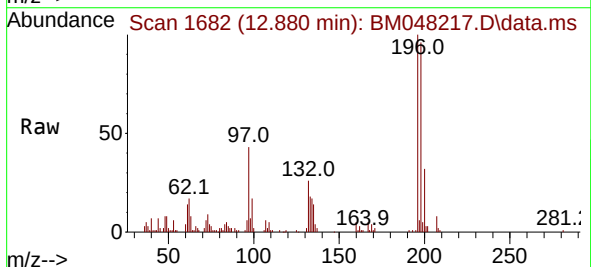
Tgt Ion:196 Resp: 5811
Ion Ratio Lower Upper
196 100
198 99.0 76.2 114.2
200 29.2 24.2 36.2

Manual Integrations
APPROVED

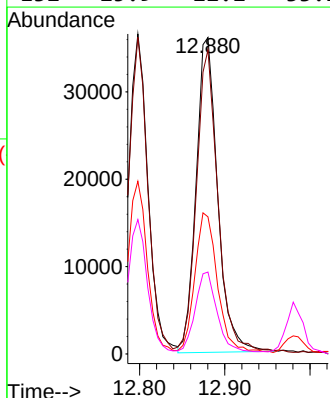
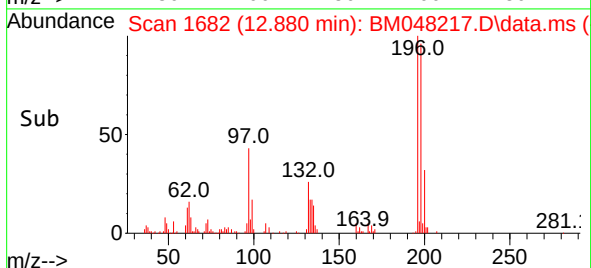
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

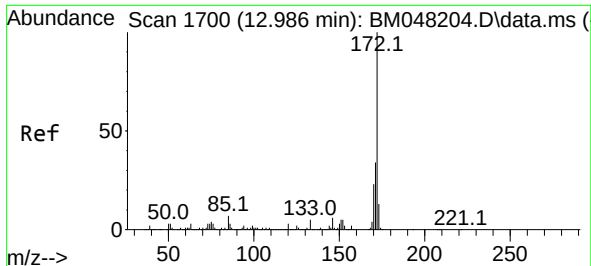


#44
2,4,5-Trichlorophenol
Concen: 6.559 ng
RT: 12.880 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



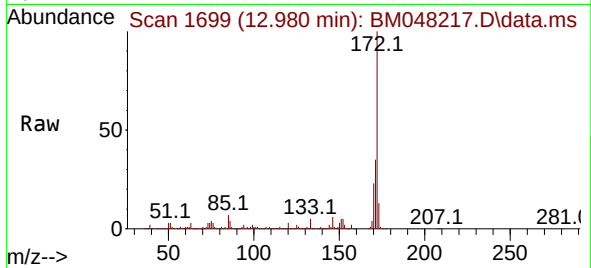
Tgt Ion:196 Resp: 63378
Ion Ratio Lower Upper
196 100
198 96.1 76.7 115.1
97 43.3 38.5 57.7
132 25.9 22.2 33.2





#45
2-Fluorobiphenyl
Concen: 61.870 ng
RT: 12.980 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

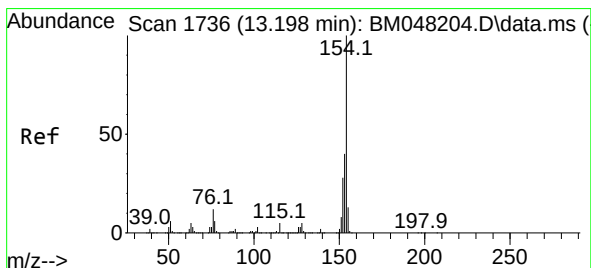
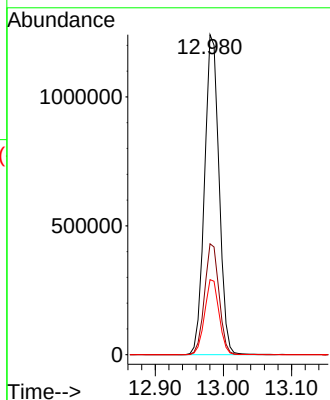
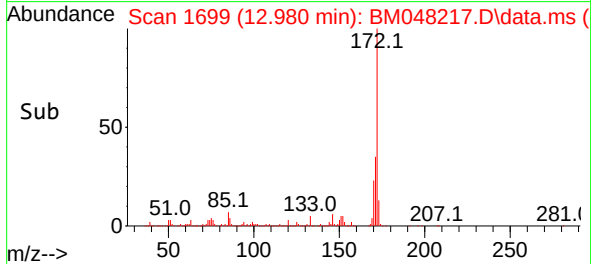
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:172 Resp: 184188
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.0
170 23.5 18.5 27.7

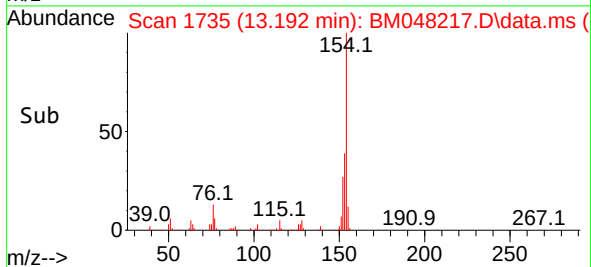
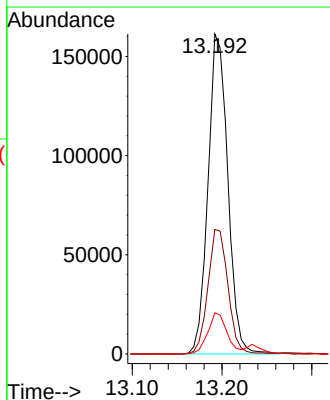
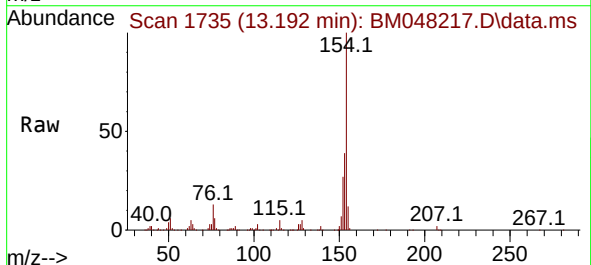
Manual Integrations
APPROVED

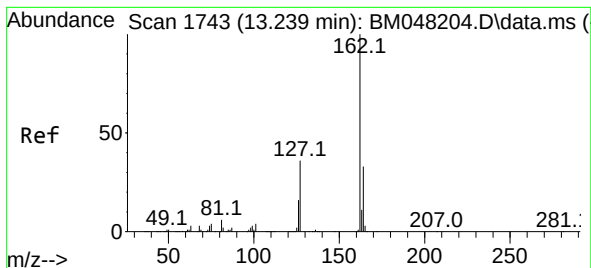
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#46
1,1'-Biphenyl
Concen: 7.579 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

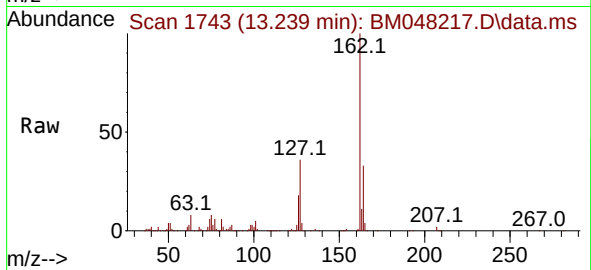
Tgt Ion:154 Resp: 247205
Ion Ratio Lower Upper
154 100
153 38.9 19.9 59.9
76 12.9 0.0 32.4





#47
2-Chloronaphthalene
Concen: 7.237 ng
RT: 13.239 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

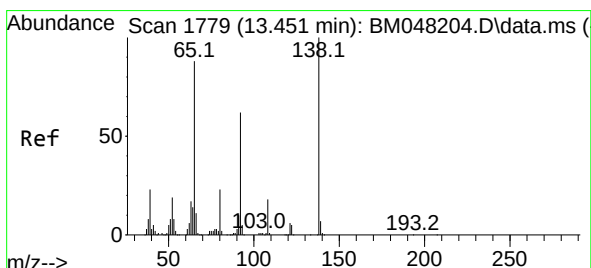
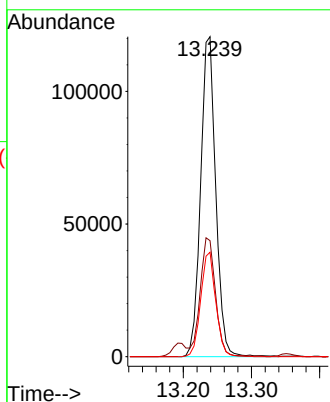
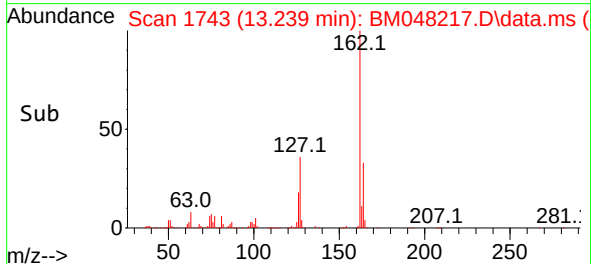
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



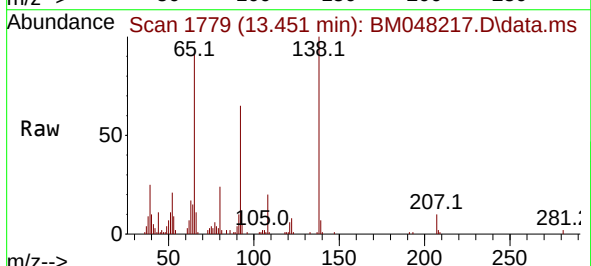
Tgt Ion:162 Resp: 186120
Ion Ratio Lower Upper
162 100
127 36.2 31.0 46.6
164 32.6 26.2 39.4

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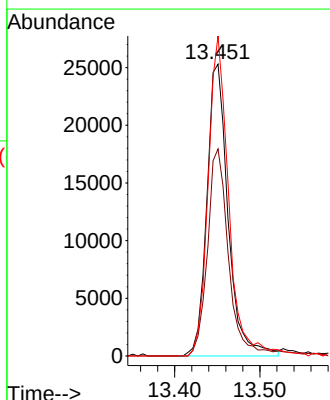
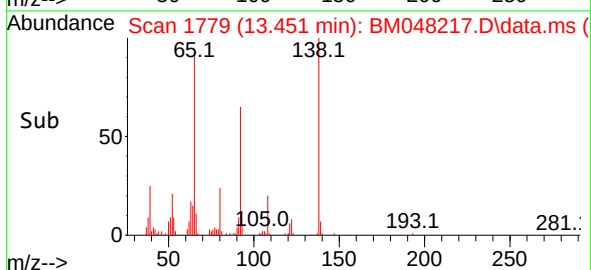
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

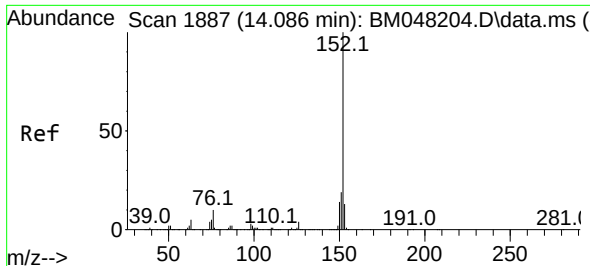


#48
2-Nitroaniline
Concen: 6.296 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



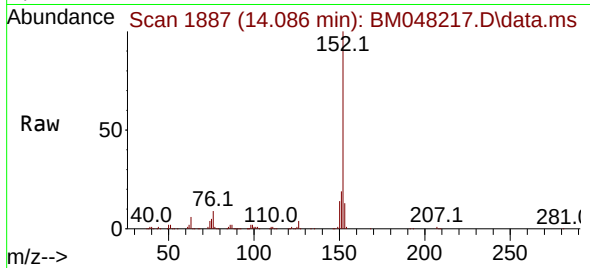
Tgt Ion: 65 Resp: 43915
Ion Ratio Lower Upper
65 100
92 70.9 56.0 84.0
138 109.6 90.8 136.2





#49
Acenaphthylene
Concen: 7.649 ng
RT: 14.086 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

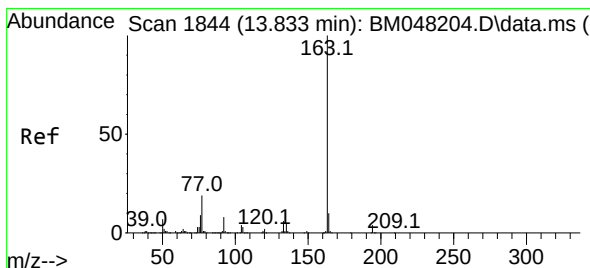
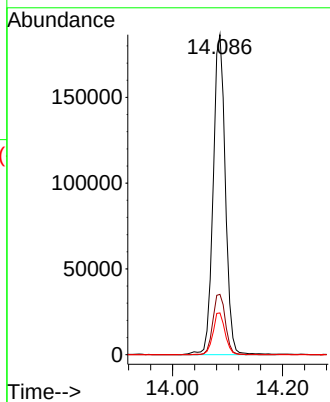
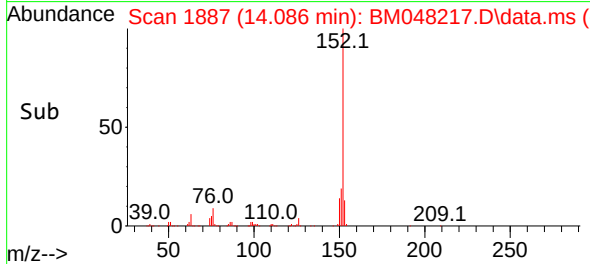
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 286990
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.2
153 13.1 10.5 15.7

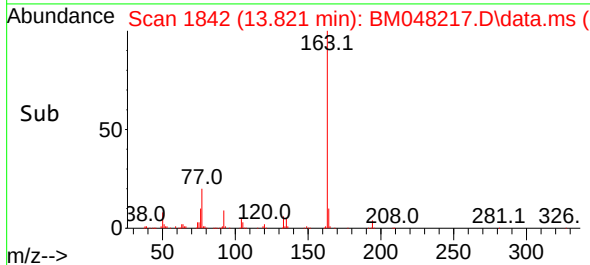
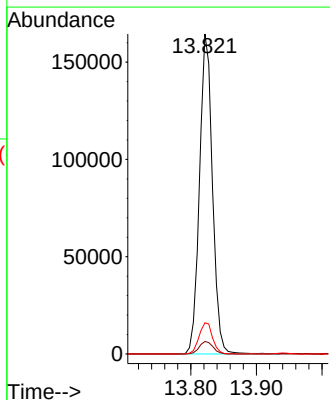
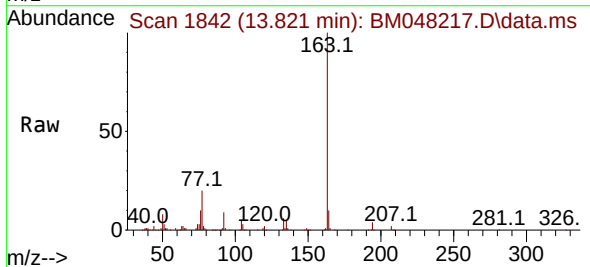
Manual Integrations
APPROVED

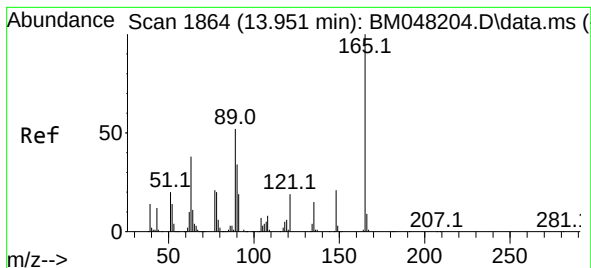
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#50
Dimethylphthalate
Concen: 7.274 ng
RT: 13.821 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

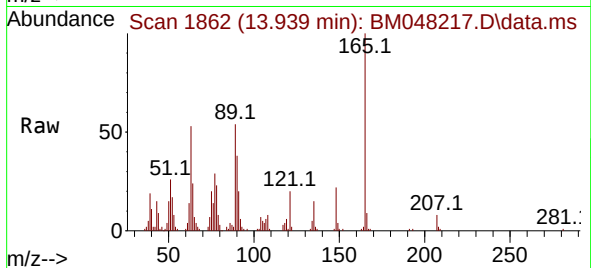
Tgt Ion:163 Resp: 226854
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.8 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 6.452 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

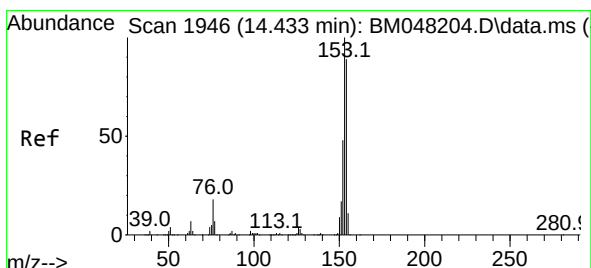
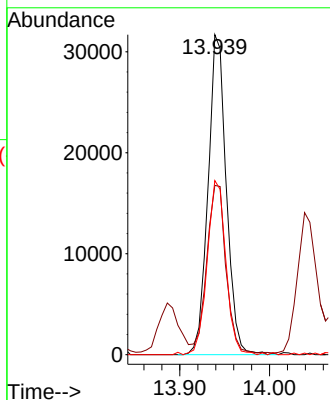
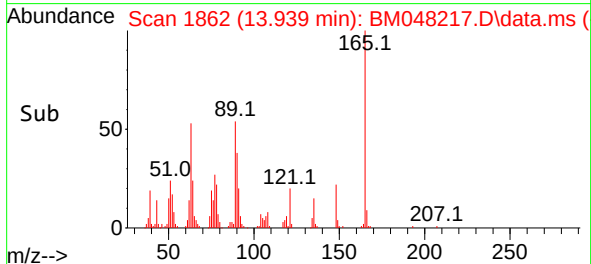
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 44898
Ion Ratio Lower Upper
165 100
63 52.9 39.5 59.3
89 54.4 41.8 62.6

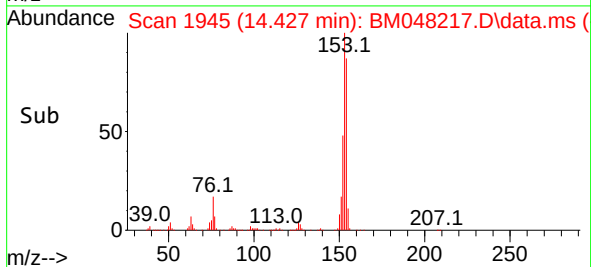
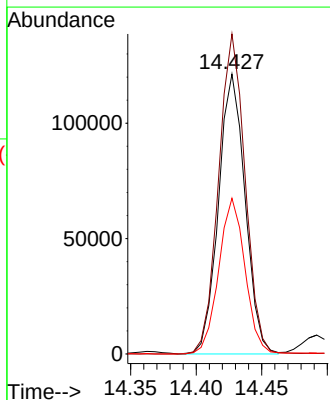
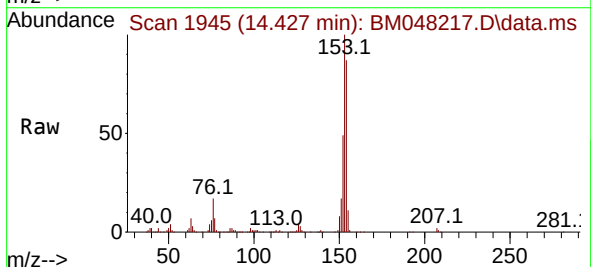
Manual Integrations
APPROVED

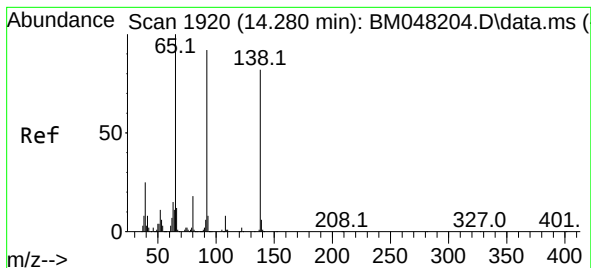
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#52
Acenaphthene
Concen: 7.183 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

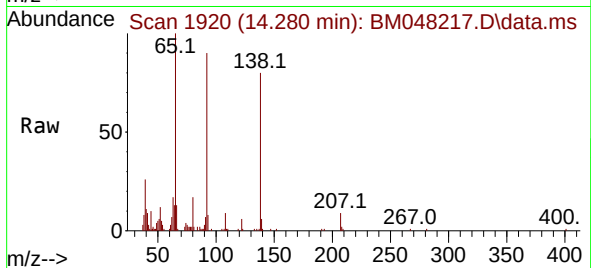
Tgt Ion:154 Resp: 171252
Ion Ratio Lower Upper
154 100
153 114.3 90.4 135.6
152 55.6 43.6 65.4





#53
3-Nitroaniline
Concen: 6.240 ng
RT: 14.280 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

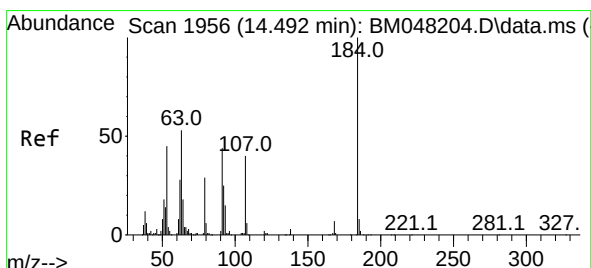
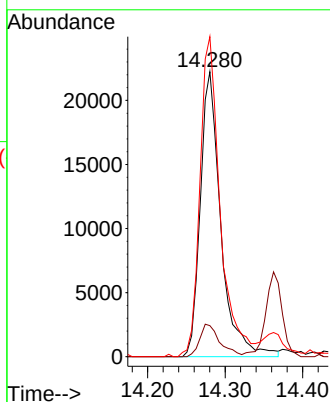
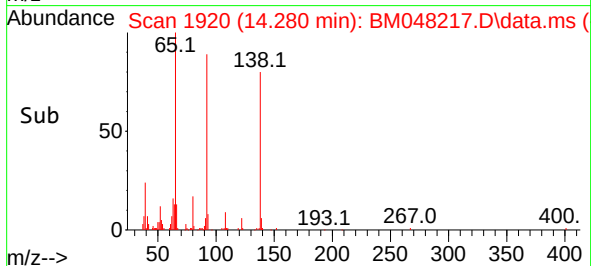
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



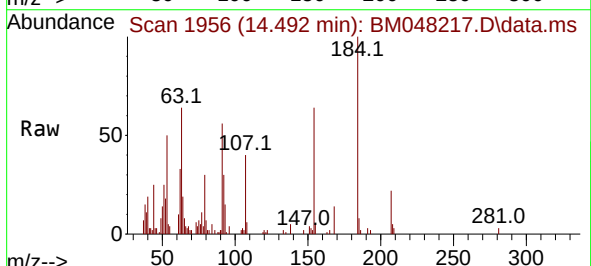
Tgt Ion:138 Resp: 40948
Ion Ratio Lower Upper
138 100
108 10.9 7.5 11.3
92 112.3 89.7 134.5

Manual Integrations
APPROVED

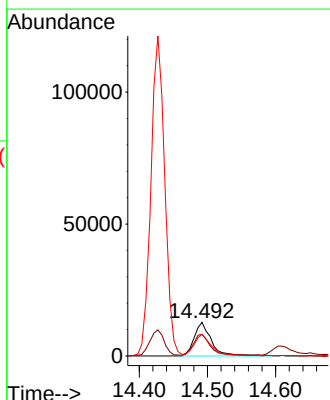
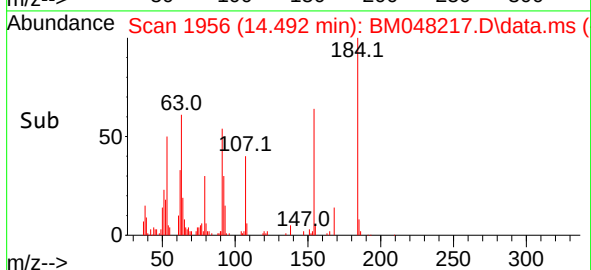
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

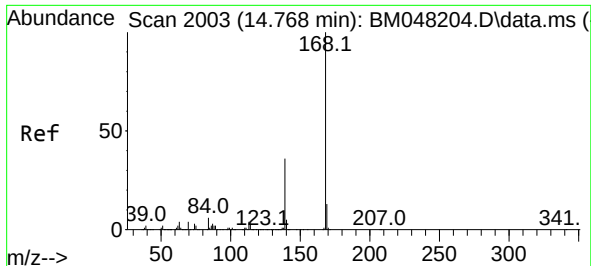


#54
2,4-Dinitrophenol
Concen: 5.474 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



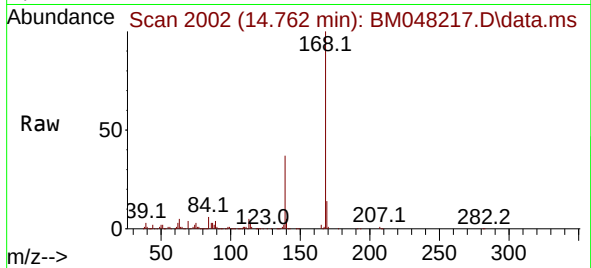
Tgt Ion:184 Resp: 22257
Ion Ratio Lower Upper
184 100
63 64.1 47.2 70.8
154 64.3 46.0 69.0





#55
Dibenzofuran
Concen: 7.541 ng
RT: 14.762 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

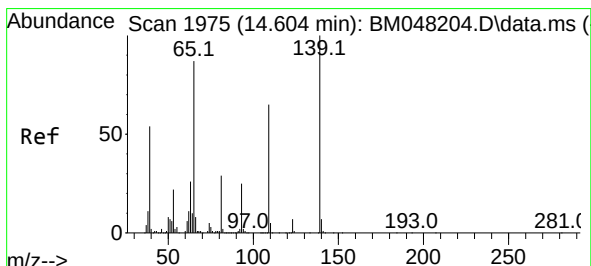
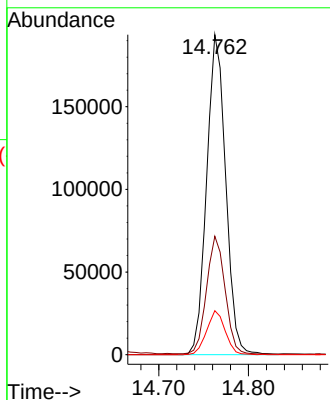
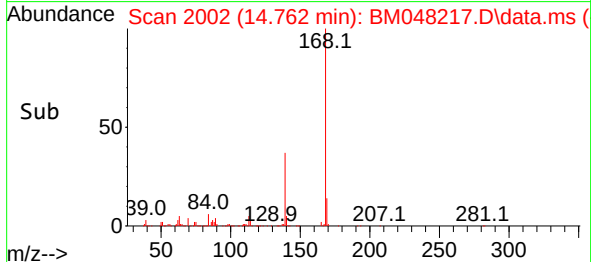
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:168 Resp: 285608
Ion Ratio Lower Upper
168 100
139 37.0 29.0 43.6
169 13.7 10.4 15.6

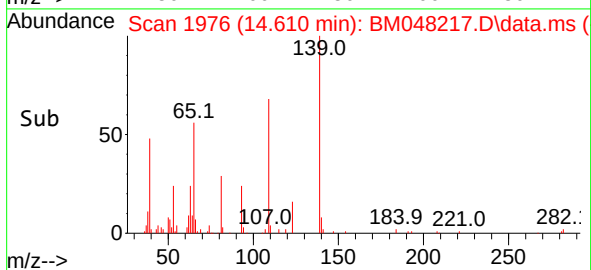
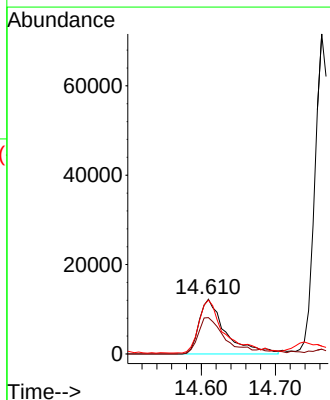
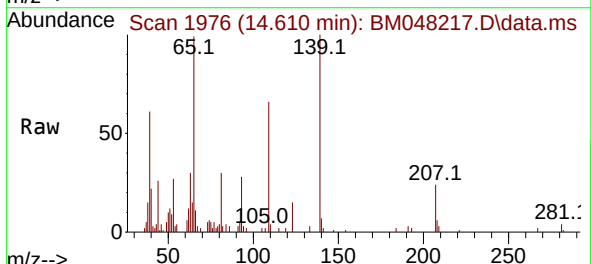
Manual Integrations
APPROVED

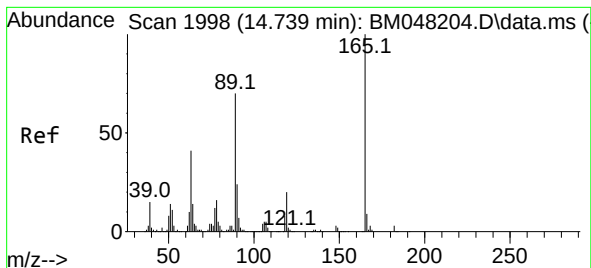
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#56
4-Nitrophenol
Concen: 5.177 ng
RT: 14.610 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

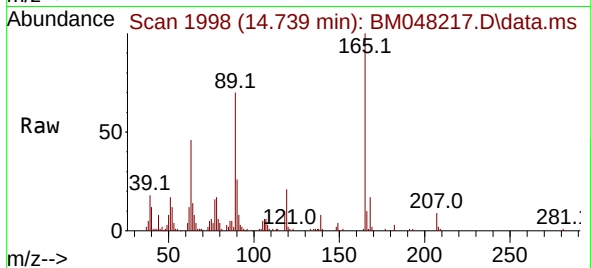
Tgt Ion:139 Resp: 30321
Ion Ratio Lower Upper
139 100
109 66.5 45.4 85.4
65 98.7 67.3 107.3





#57
2,4-Dinitrotoluene
Concen: 6.071 ng
RT: 14.739 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

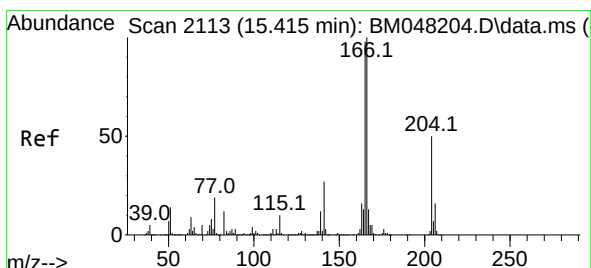
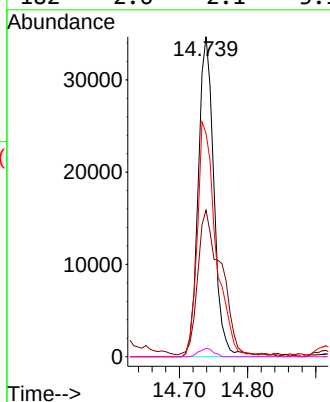
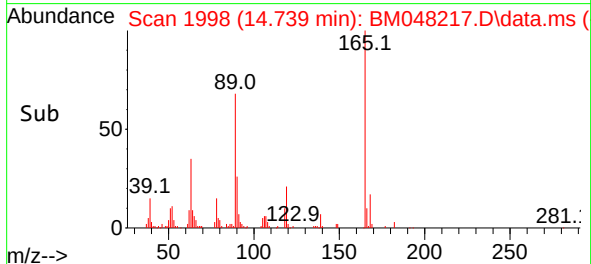
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 5578
Ion Ratio Lower Upper
165 100
63 45.8 33.0 49.4
89 69.8 55.8 83.6
182 2.6 2.1 3.1

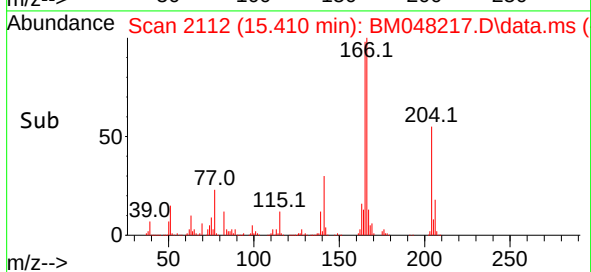
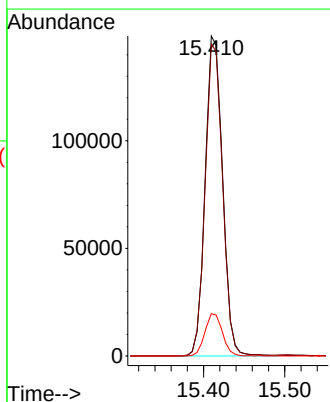
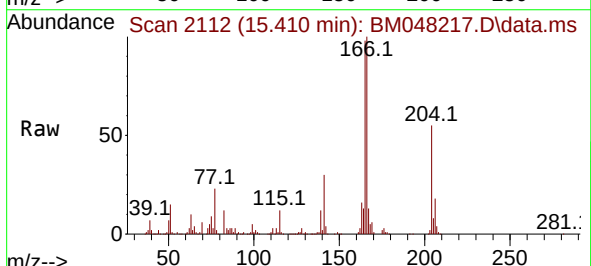
Manual Integrations
APPROVED

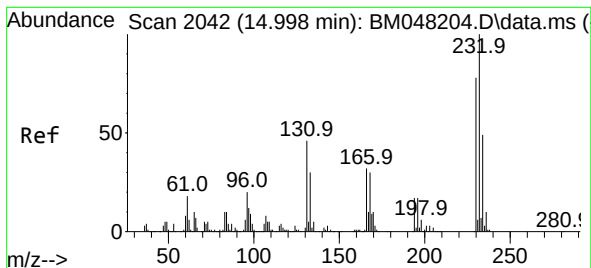
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#58
Fluorene
Concen: 7.389 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

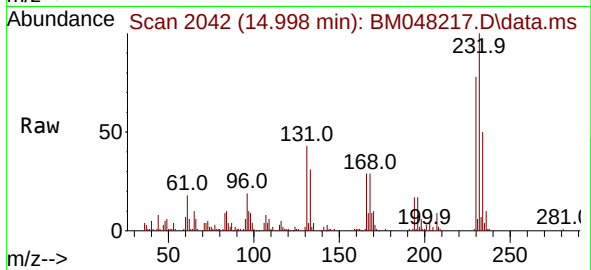
Tgt Ion:166 Resp: 221312
Ion Ratio Lower Upper
166 100
165 97.5 78.4 117.6
167 13.2 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.430 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

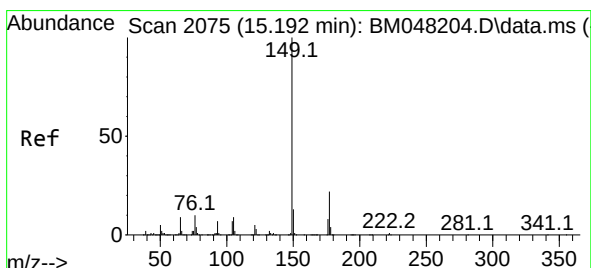
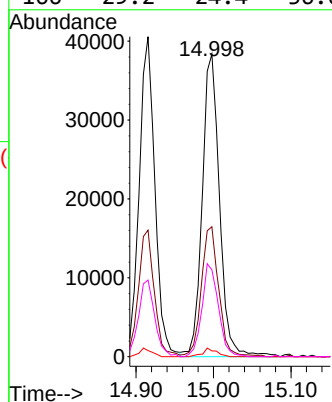
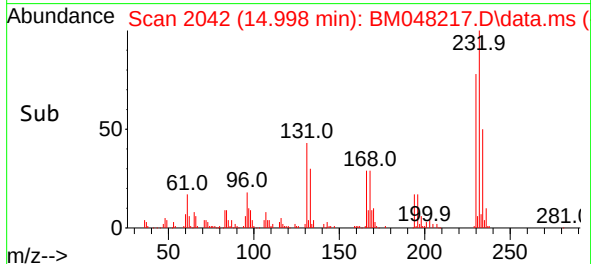
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:232 Resp: 59512
Ion Ratio Lower Upper
232 100
131 43.1 35.5 53.3
130 2.2 1.8 2.6
166 29.2 24.4 36.6

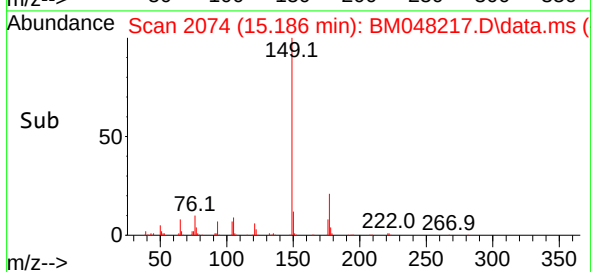
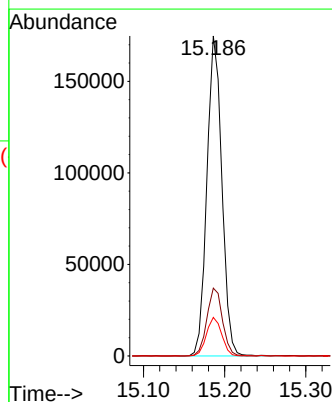
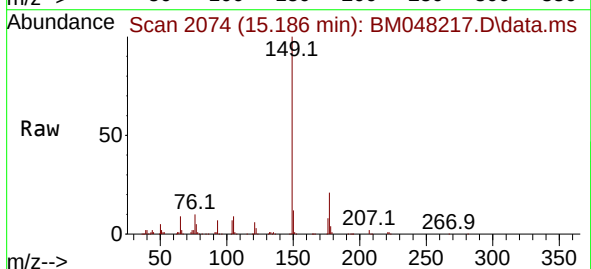
Manual Integrations
APPROVED

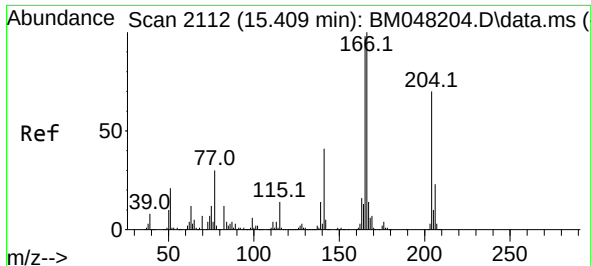
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#60
Diethylphthalate
Concen: 7.064 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

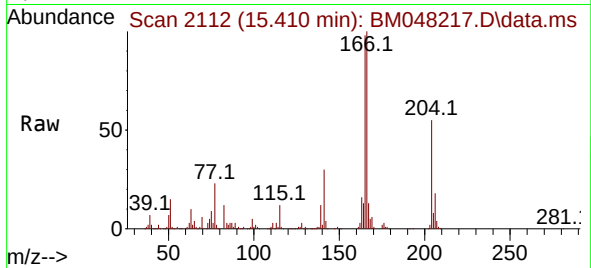
Tgt Ion:149 Resp: 223063
Ion Ratio Lower Upper
149 100
177 21.2 17.5 26.3
150 12.0 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 7.449 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

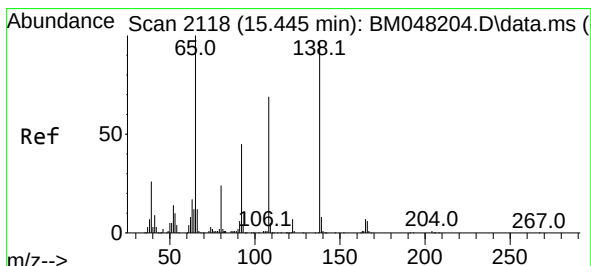
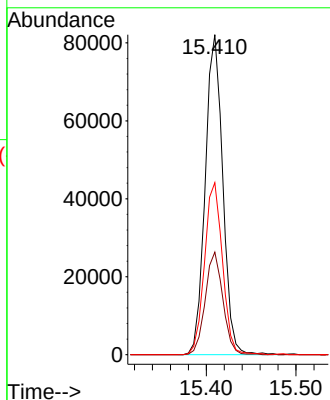
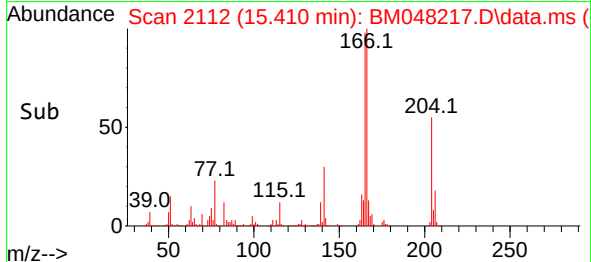
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:204 Resp: 11154
Ion Ratio Lower Upper
204 100
206 32.1 26.2 39.4
141 53.8 47.0 70.6

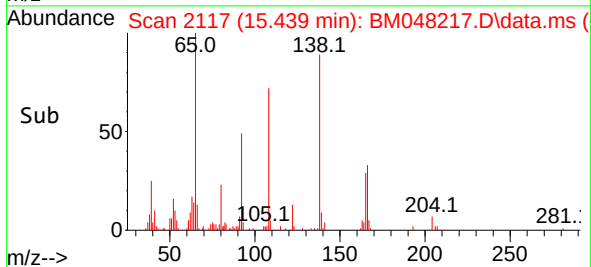
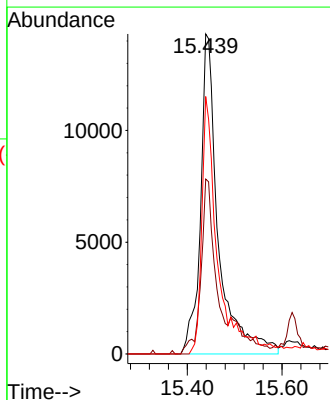
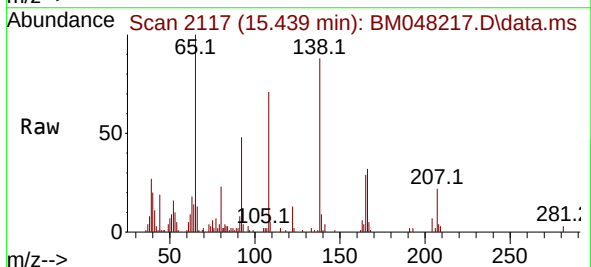
Manual Integrations
APPROVED

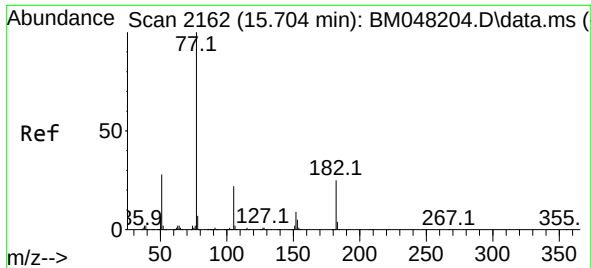
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#62
4-Nitroaniline
Concen: 5.552 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

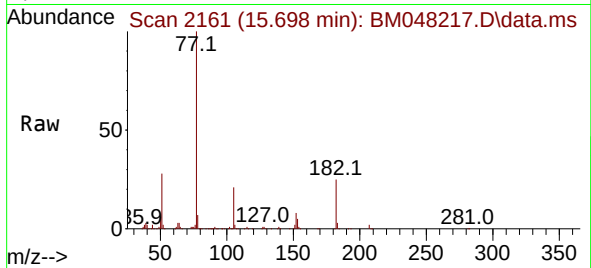
Tgt Ion:138 Resp: 37705
Ion Ratio Lower Upper
138 100
92 54.6 26.9 66.9
108 80.4 51.3 91.3





#63
Azobenzene
Concen: 7.184 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

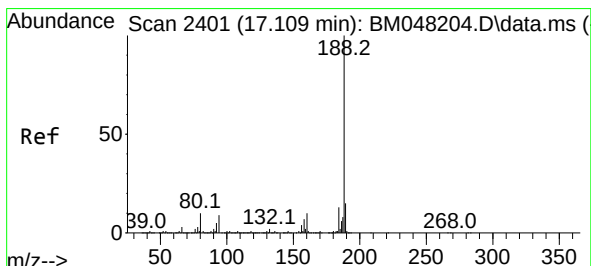
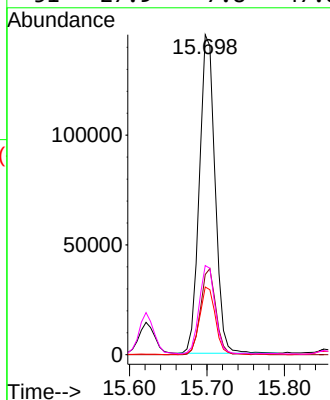
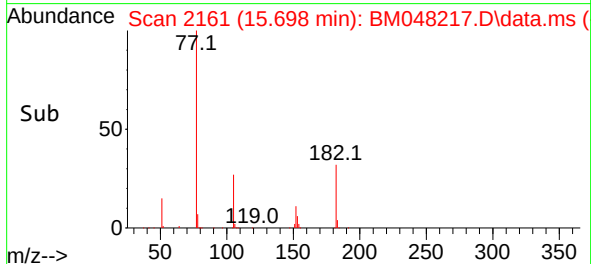
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 203318
Ion Ratio Lower Upper
77 100
182 25.1 5.3 45.3
105 21.2 1.6 41.6
51 27.9 7.8 47.8

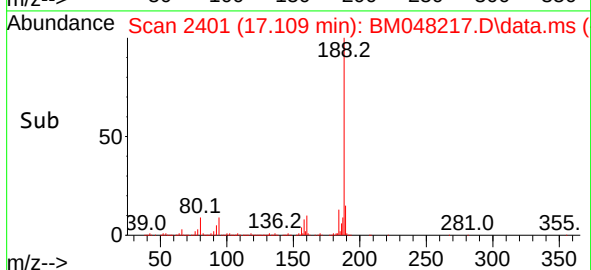
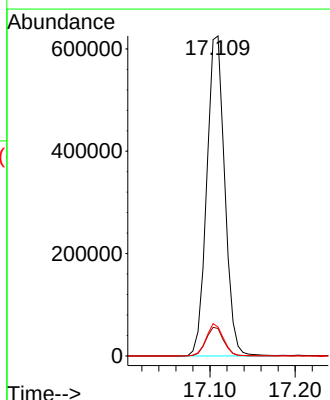
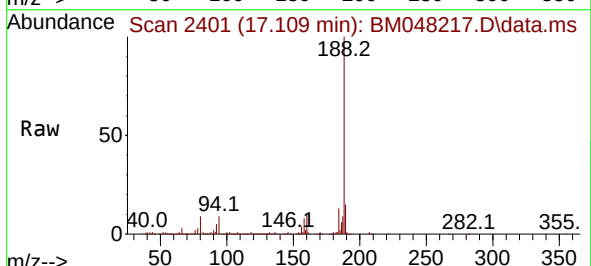
Manual Integrations
APPROVED

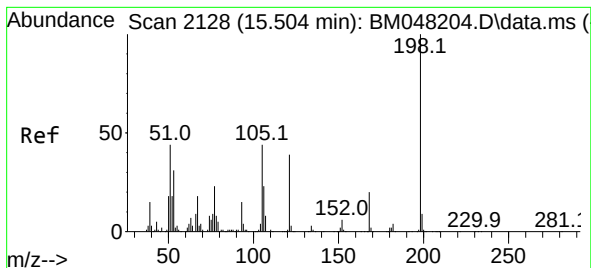
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.109 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:188 Resp: 915080
Ion Ratio Lower Upper
188 100
94 8.6 7.3 10.9
80 9.0 8.0 12.0





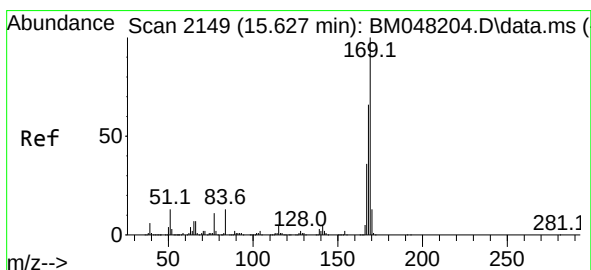
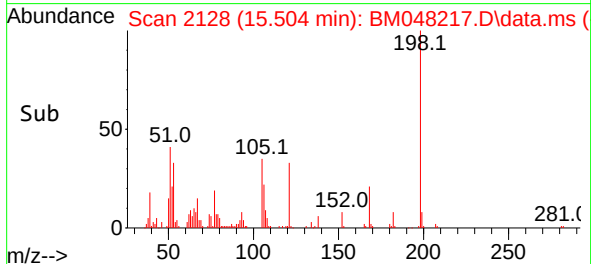
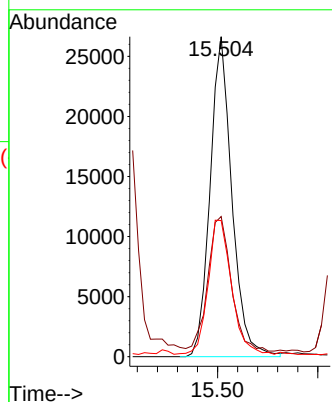
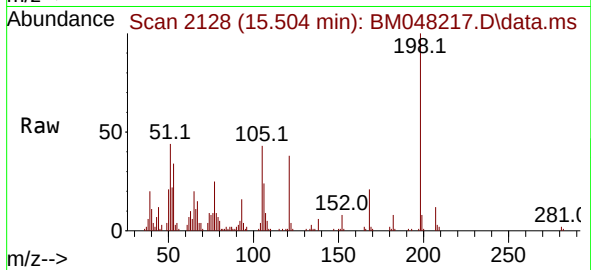
#65
4,6-Dinitro-2-methylphenol
Concen: 7.576 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

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

Tgt Ion:198 Resp: 40225
Ion Ratio Lower Upper
198 100
51 43.8 25.4 65.4
105 42.6 23.9 63.9

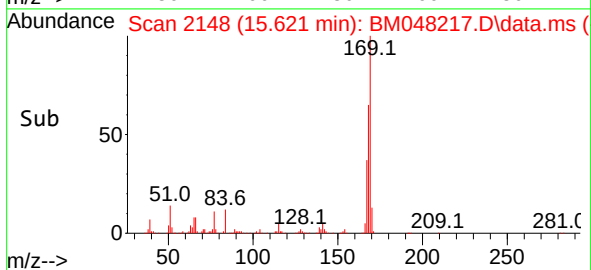
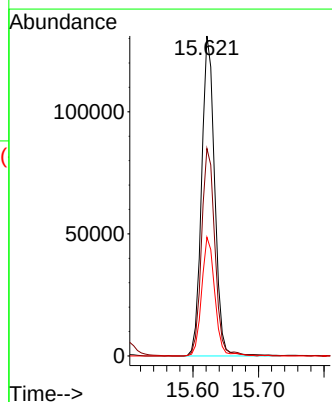
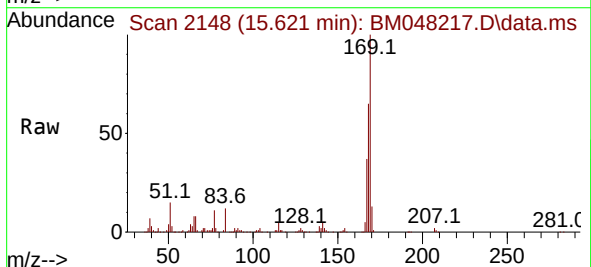
Manual Integrations
APPROVED

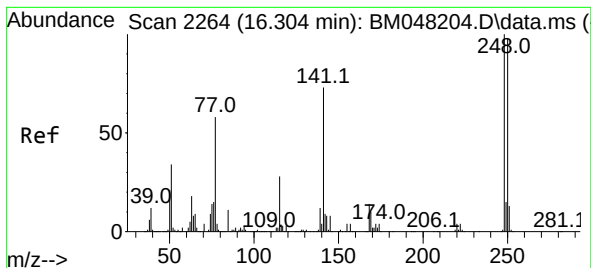
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#66
n-Nitrosodiphenylamine
Concen: 7.262 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

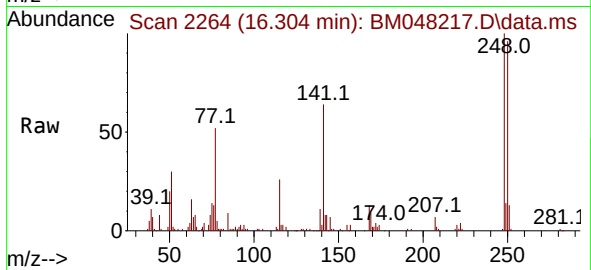
Tgt Ion:169 Resp: 182431
Ion Ratio Lower Upper
169 100
168 64.8 52.9 79.3
167 37.1 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 7.130 ng
RT: 16.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

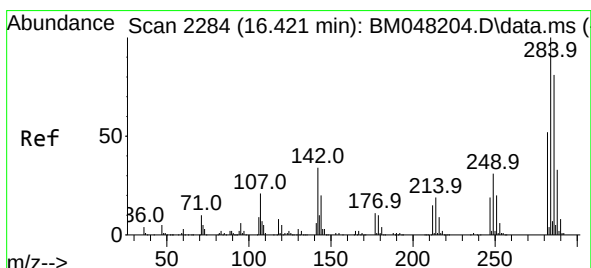
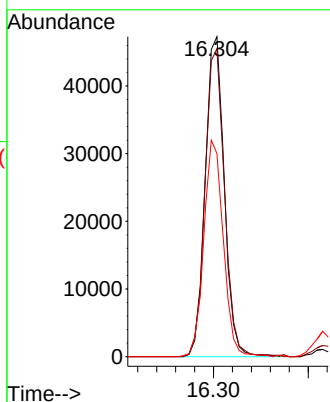
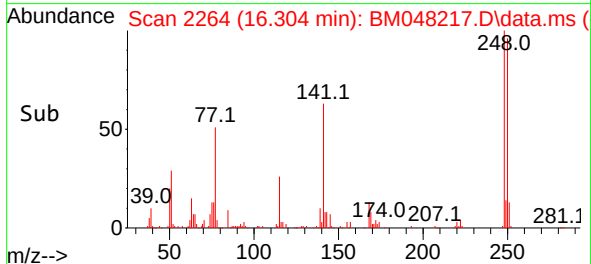
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



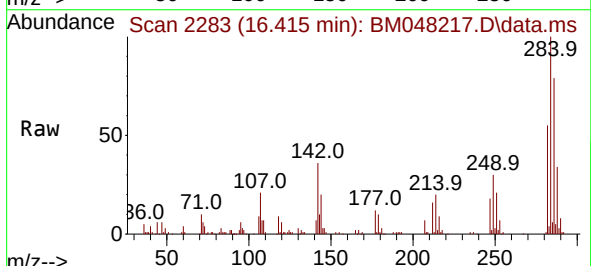
Tgt Ion:248 Resp: 6615
Ion Ratio Lower Upper
248 100
250 96.2 78.3 117.5
141 63.5 58.0 87.0

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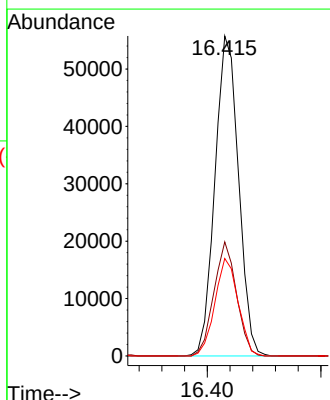
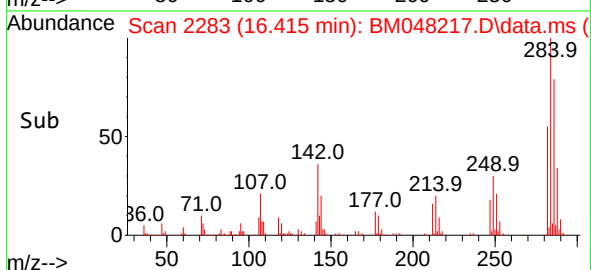
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

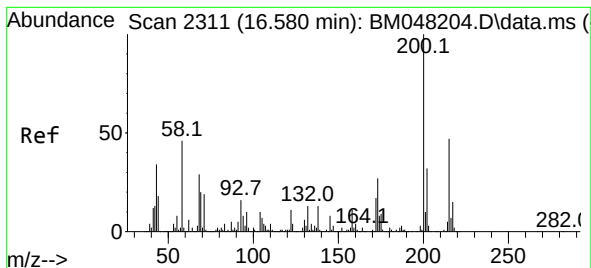


#68
Hexachlorobenzene
Concen: 7.218 ng
RT: 16.415 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



Tgt Ion:284 Resp: 80436
Ion Ratio Lower Upper
284 100
142 35.7 27.0 40.4
249 30.4 24.6 36.8





#69

Atrazine

Concen: 8.737 ng

RT: 16.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

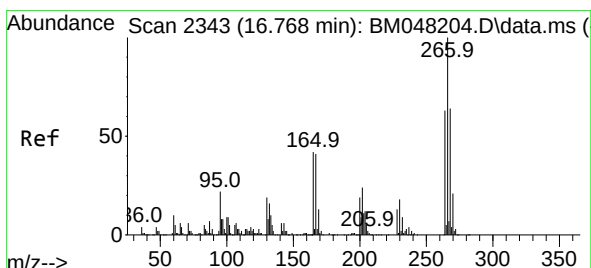
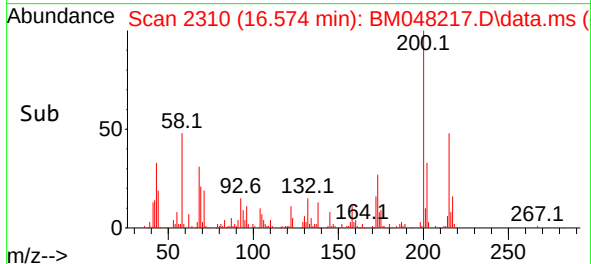
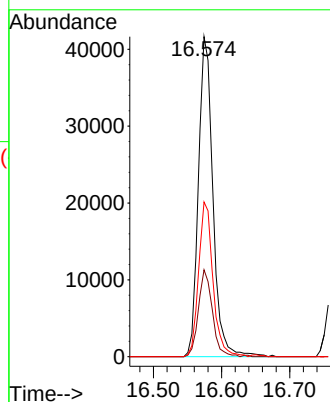
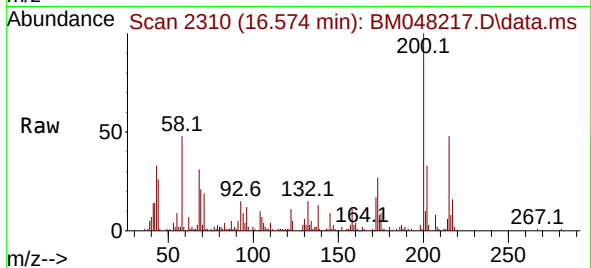
Tgt Ion:200 Resp: 6141
 Ion Ratio Lower Upper
 200 100
 173 27.2 6.5 46.5
 215 48.3 27.2 67.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#70

Pentachlorophenol

Concen: 11.644 ng

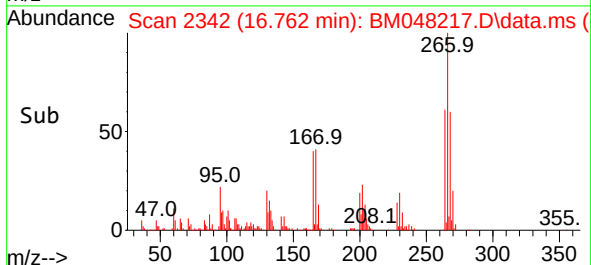
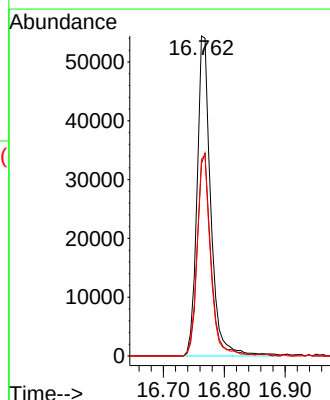
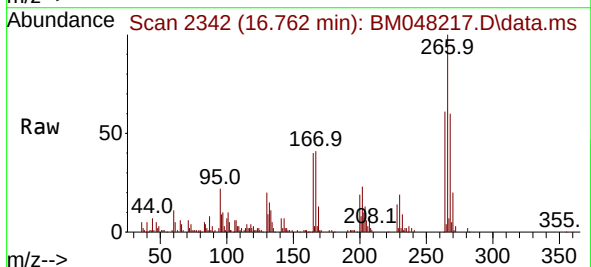
RT: 16.762 min Scan# 2342

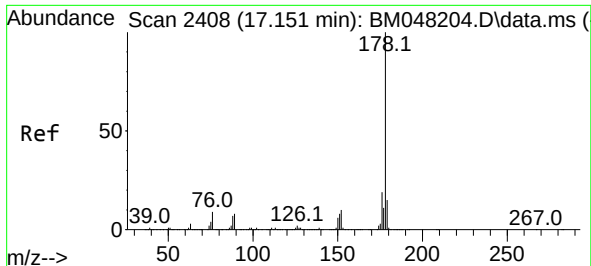
Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

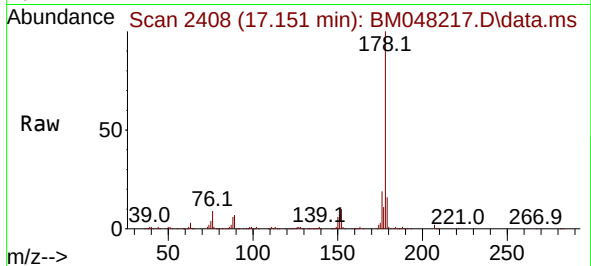
Tgt Ion:266 Resp: 85185
 Ion Ratio Lower Upper
 266 100
 268 60.1 50.8 76.2
 264 61.4 50.2 75.2





#71
Phenanthrene
Concen: 7.531 ng
RT: 17.151 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

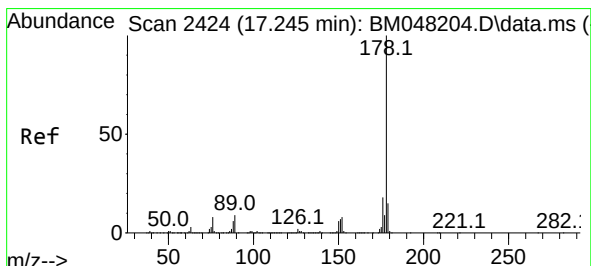
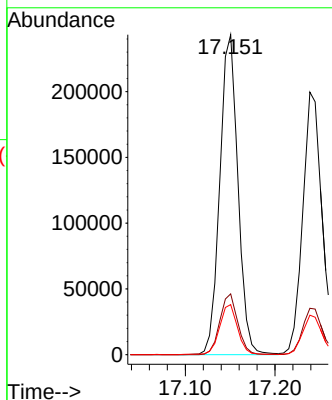
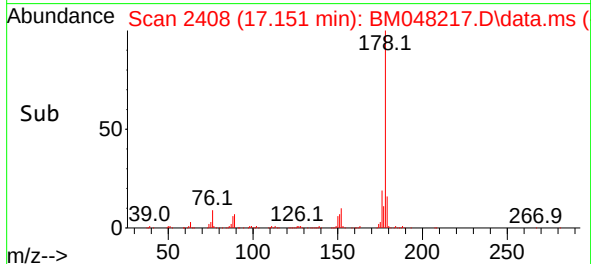
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



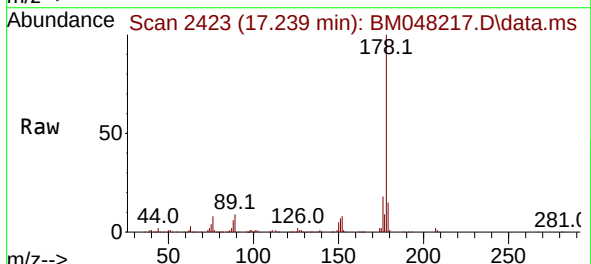
Tgt Ion:178 Resp: 341230
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.4 18.6

Manual Integrations
APPROVED

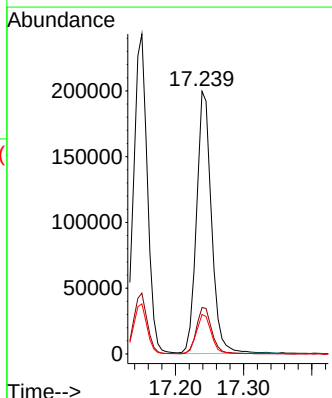
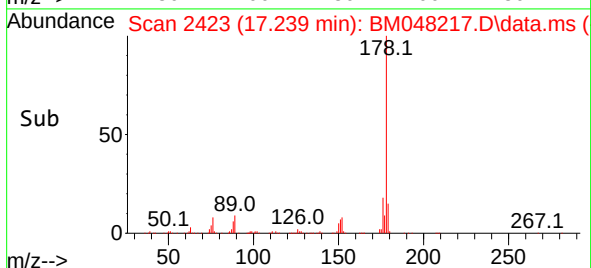
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

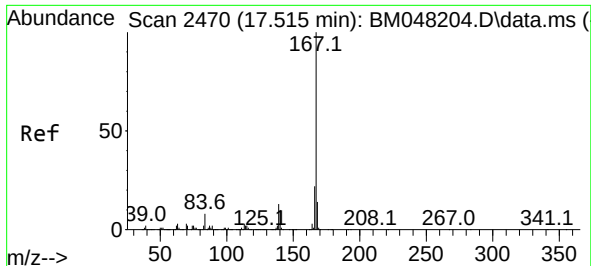


#72
Anthracene
Concen: 6.926 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



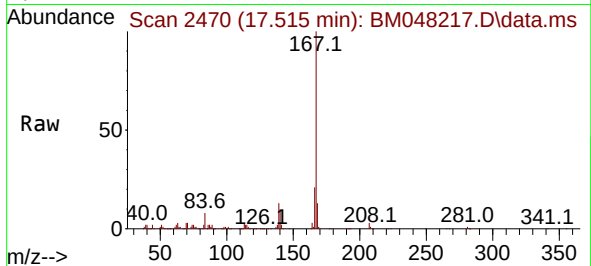
Tgt Ion:178 Resp: 303803
Ion Ratio Lower Upper
178 100
176 17.7 14.8 22.2
179 15.0 12.2 18.2





#73
 Carbazole
 Concen: 6.964 ng
 RT: 17.515 min Scan# 2470
 Delta R.T. 0.000 min
 Lab File: BM048217.D
 Acq: 24 Oct 2024 15:10

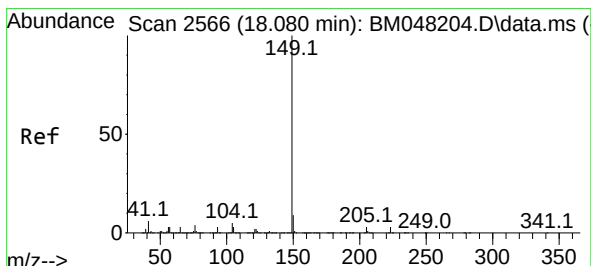
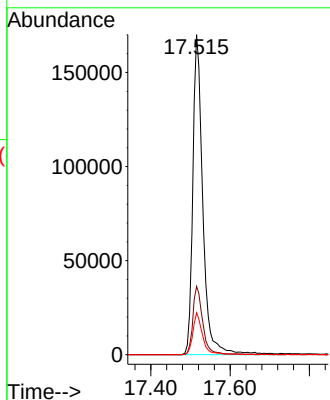
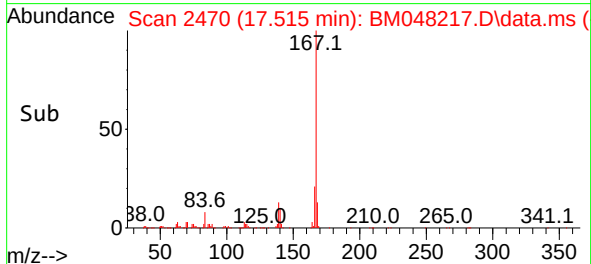
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



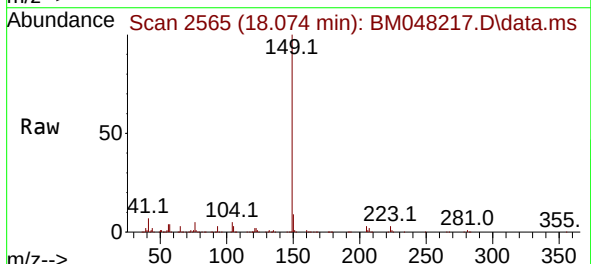
Tgt Ion:167 Resp: 29946
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 13.1 10.4 15.6

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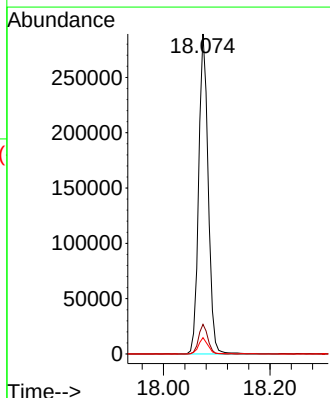
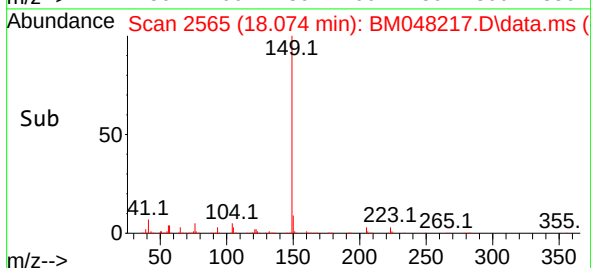
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024

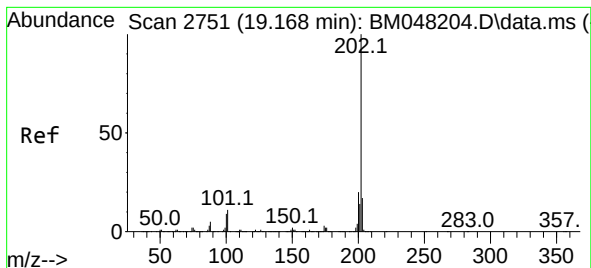


#74
 Di-n-butylphthalate
 Concen: 6.707 ng
 RT: 18.074 min Scan# 2565
 Delta R.T. -0.006 min
 Lab File: BM048217.D
 Acq: 24 Oct 2024 15:10



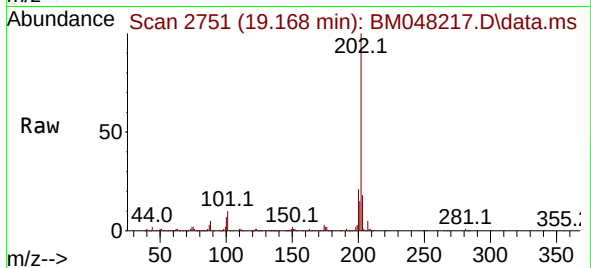
Tgt Ion:149 Resp: 358975
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 5.1 3.8 5.6





#75
Fluoranthene
Concen: 7.028 ng
RT: 19.168 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

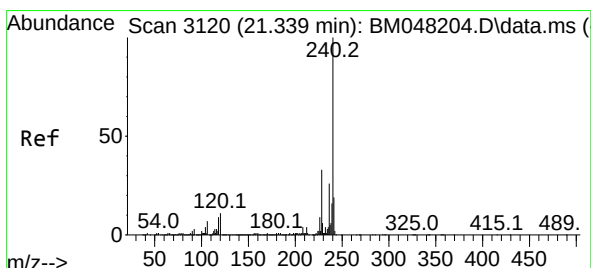
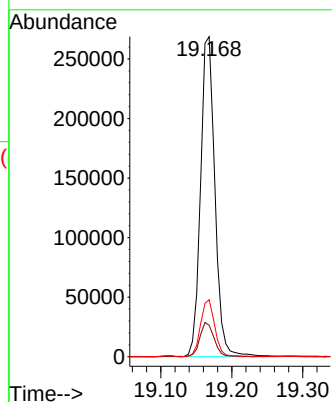
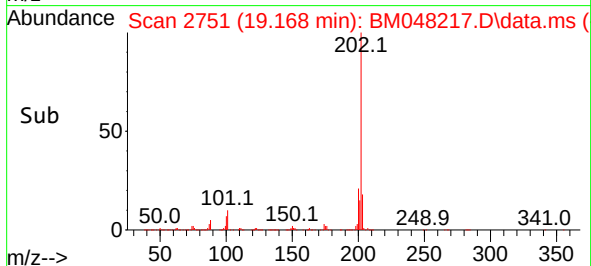
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



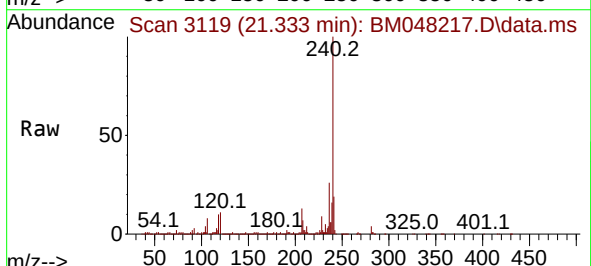
Tgt Ion:202 Resp: 379899
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.0
203 17.8 0.0 37.5

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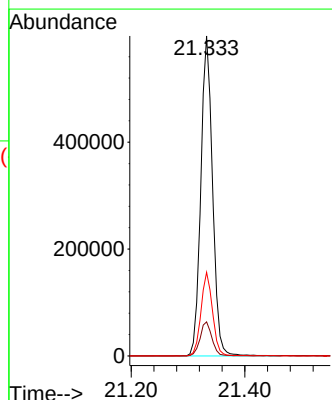
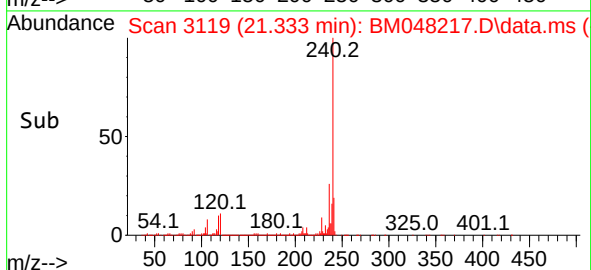
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

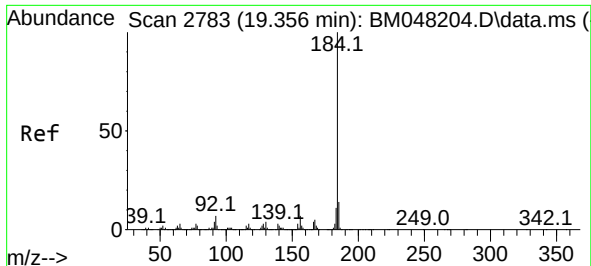


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



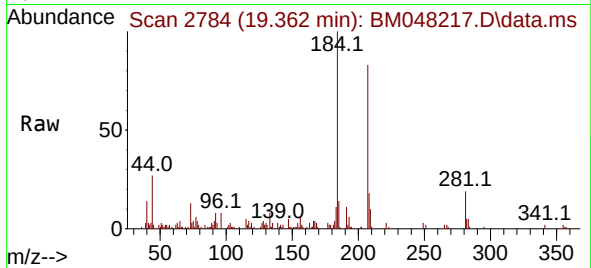
Tgt Ion:240 Resp: 860079
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 26.1 20.7 31.1





#77
Benzidine
Concen: 6.026 ng m
RT: 19.362 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

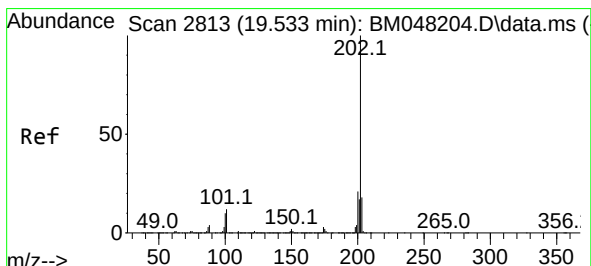
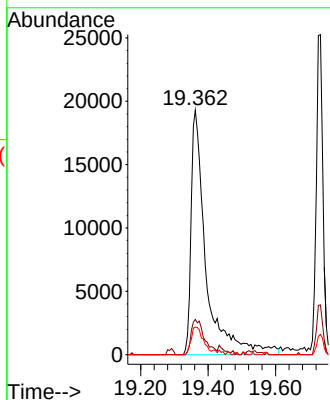
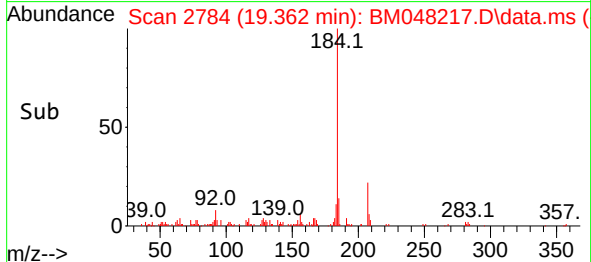
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



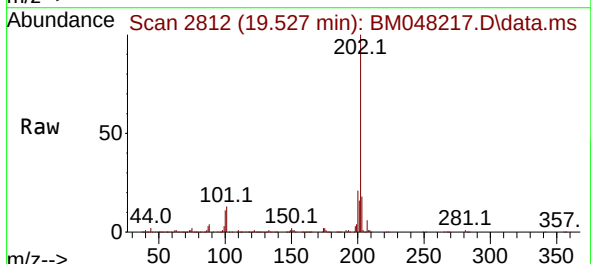
Tgt Ion:184 Resp: 5981
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.0
183 11.3 9.0 13.4

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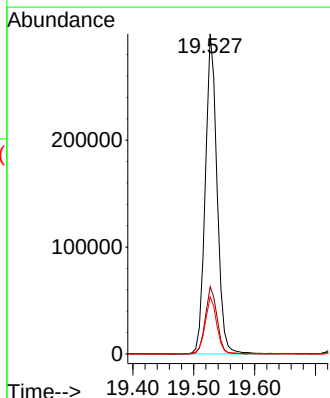
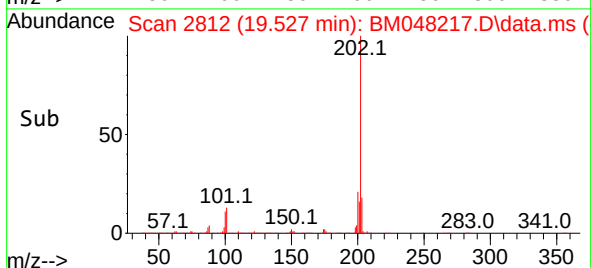
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

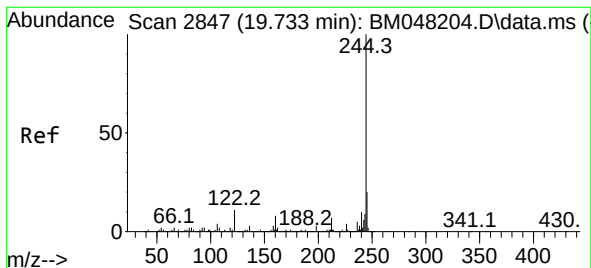


#78
Pyrene
Concen: 6.962 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



Tgt Ion:202 Resp: 400811
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 59.174 ng

RT: 19.733 min Scan# 2493

Delta R.T. -0.000 min

Lab File: BM048217.D

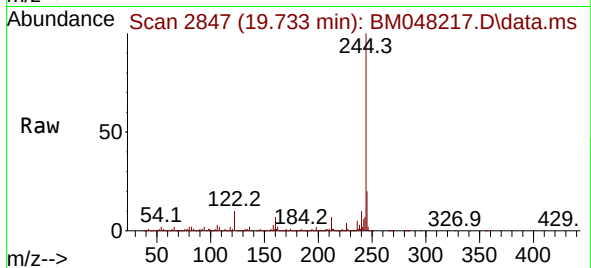
Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:244 Resp: 2493919

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

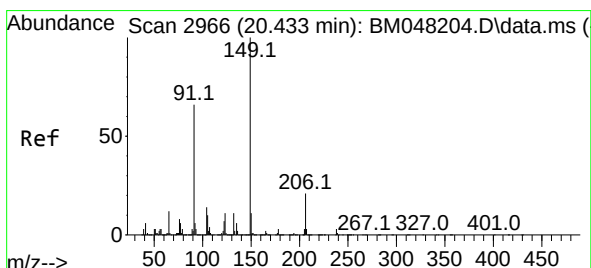
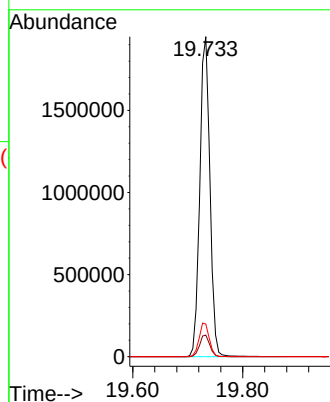
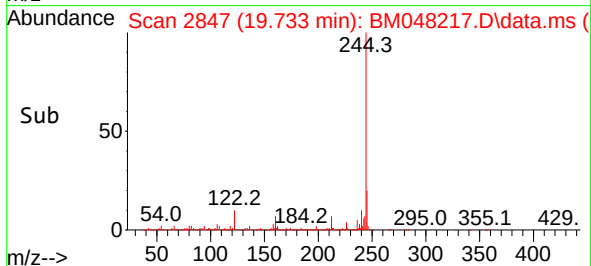
122 10.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#80

Butylbenzylphthalate

Concen: 6.474 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

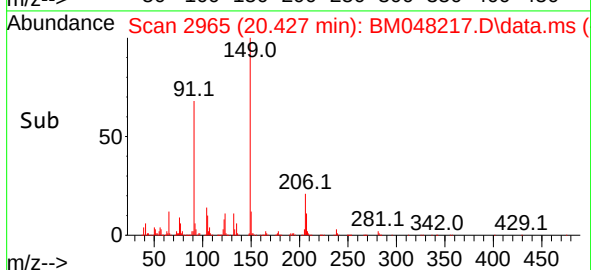
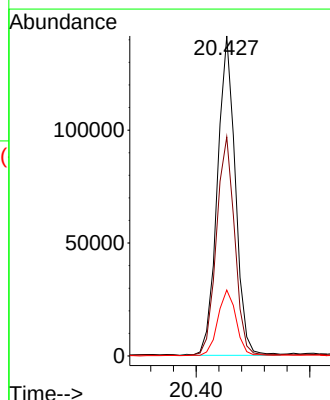
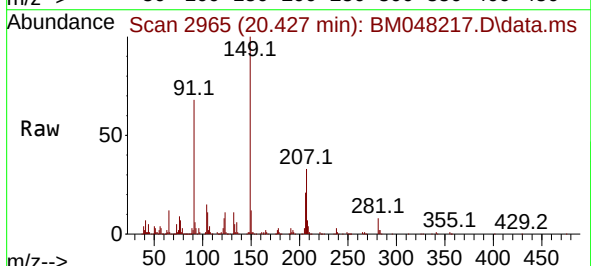
Tgt Ion:149 Resp: 155838

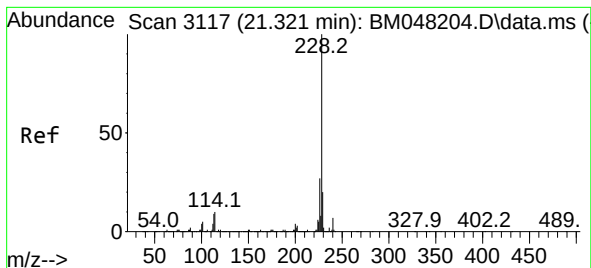
Ion Ratio Lower Upper

149 100

91 68.4 52.5 78.7

206 20.6 17.0 25.6





#81

Benzo(a)anthracene

Concen: 7.222 ng

RT: 21.315 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

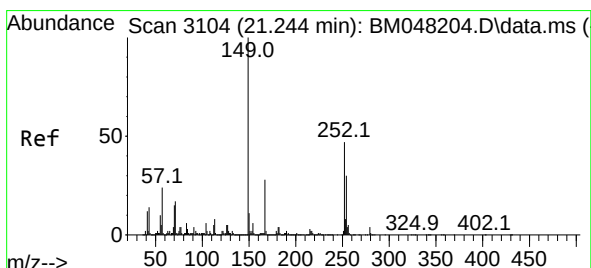
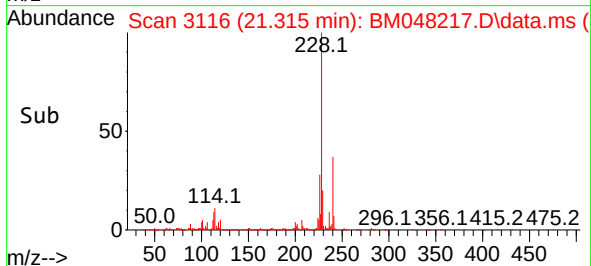
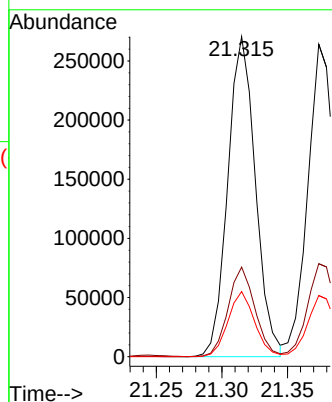
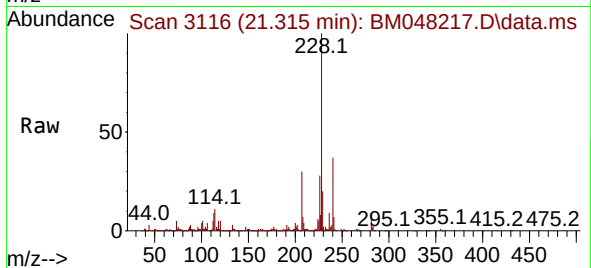
Tgt Ion:228 Resp: 39690
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.5 32.3
 229 20.4 15.7 23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#82

3,3'-Dichlorobenzidine

Concen: 6.968 ng

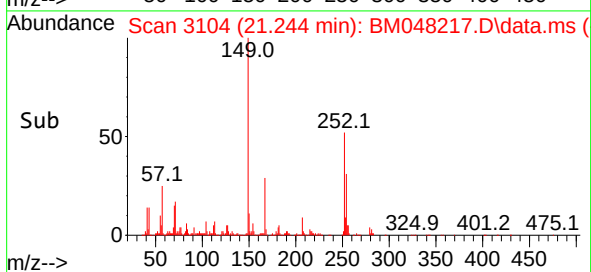
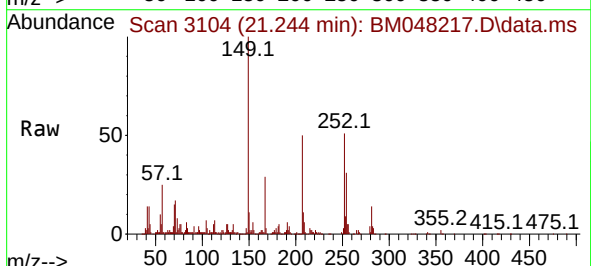
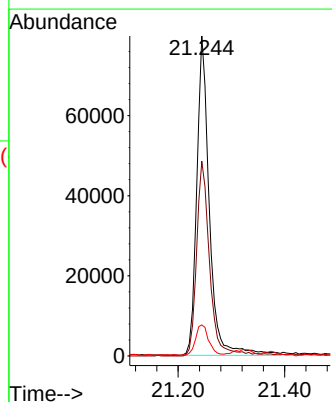
RT: 21.244 min Scan# 3104

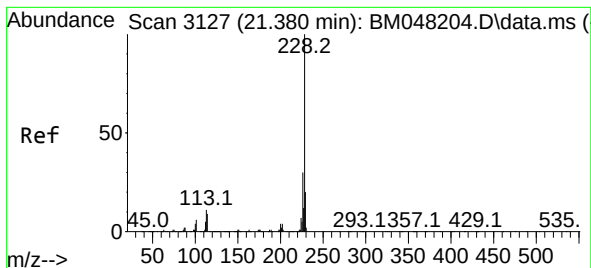
Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Tgt Ion:252 Resp: 131182
 Ion Ratio Lower Upper
 252 100
 254 60.9 51.8 77.8
 126 9.7 8.8 13.2





#83

Chrysene

Concen: 7.444 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:228 Resp: 39269

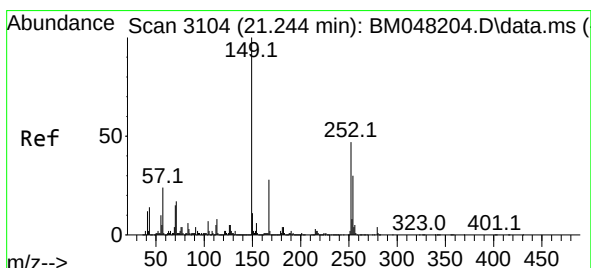
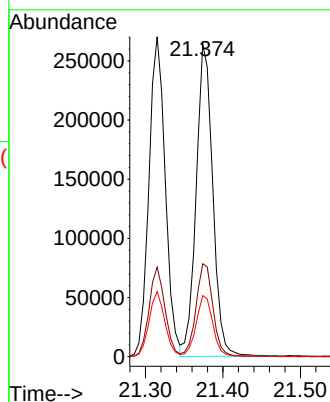
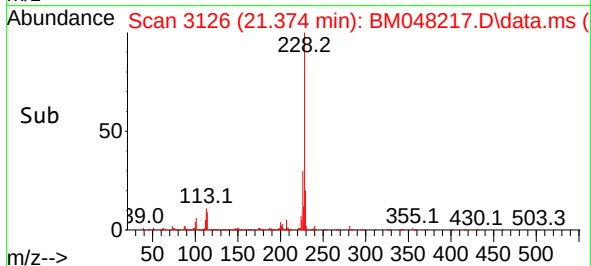
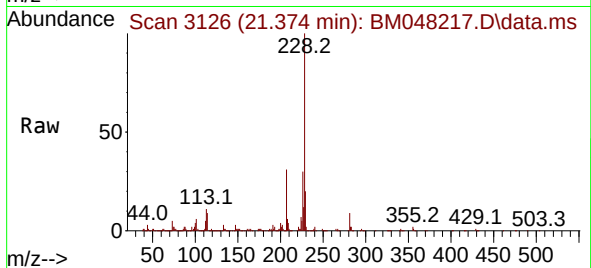
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	19.6	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.850 ng

RT: 21.239 min Scan# 3103

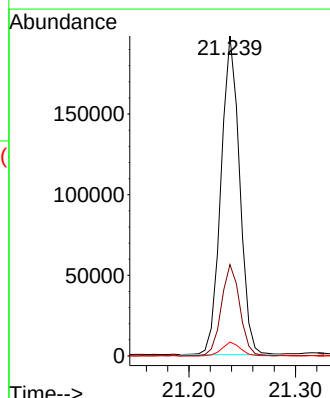
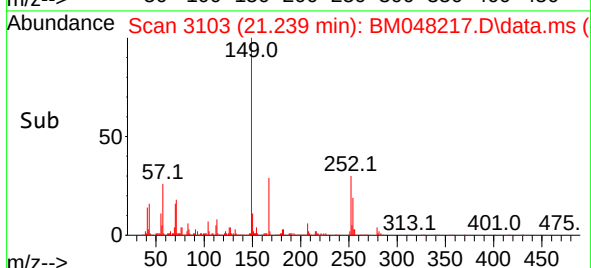
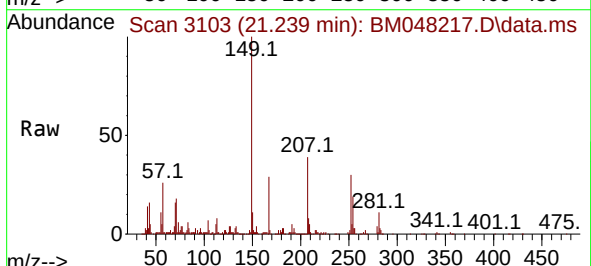
Delta R.T. -0.006 min

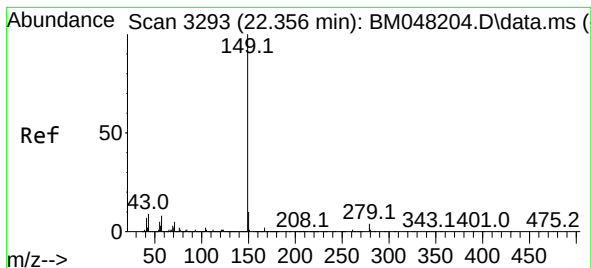
Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Tgt Ion:149 Resp: 239675

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: 6.195 ng

RT: 22.350 min Scan# 3293

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

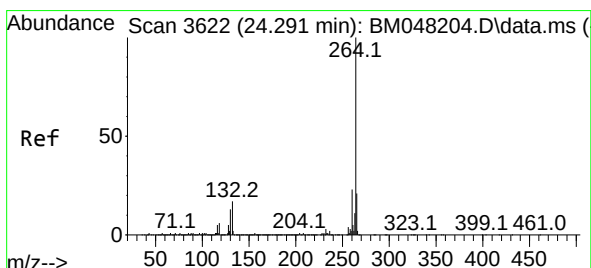
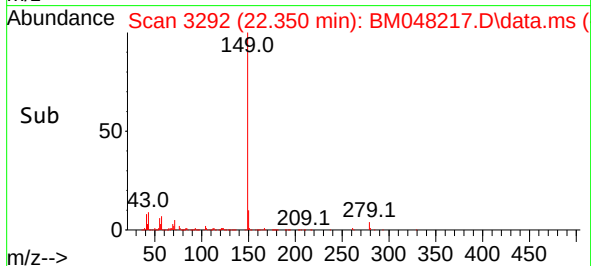
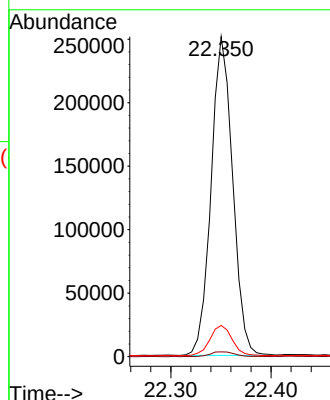
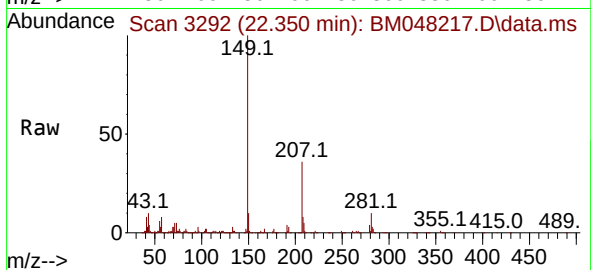
Tgt Ion:149 Resp: 375390
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.2 1.8
 43 9.8 7.3 10.9

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

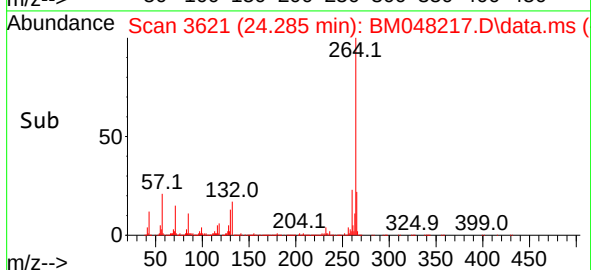
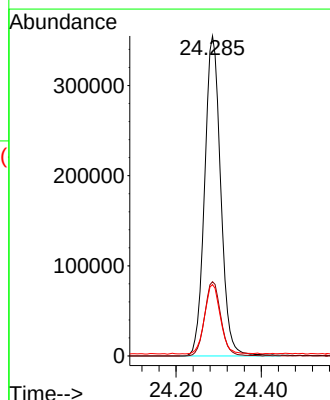
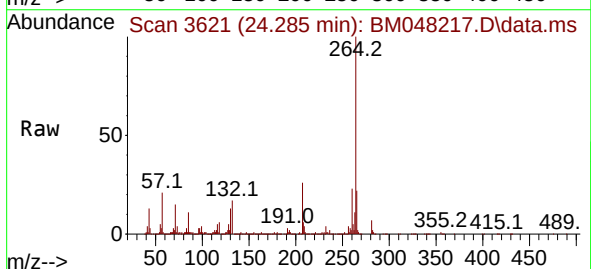
RT: 24.285 min Scan# 3621

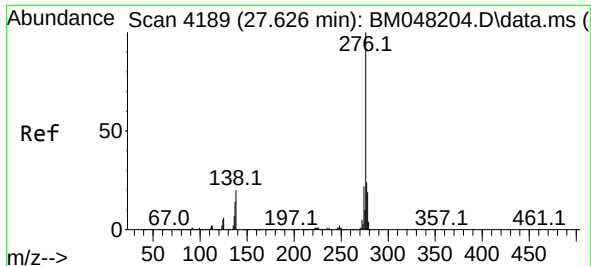
Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

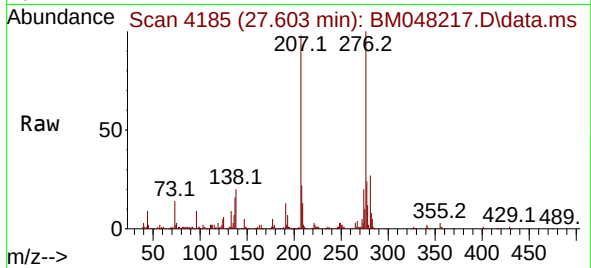
Tgt Ion:264 Resp: 927674
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 27.8
 265 22.3 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.693 ng
RT: 27.603 min Scan# 4189
Delta R.T. -0.023 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

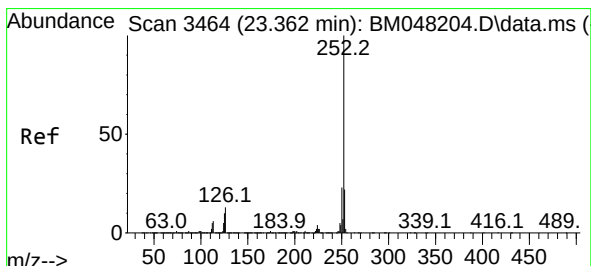
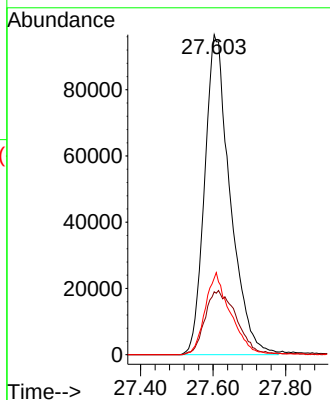
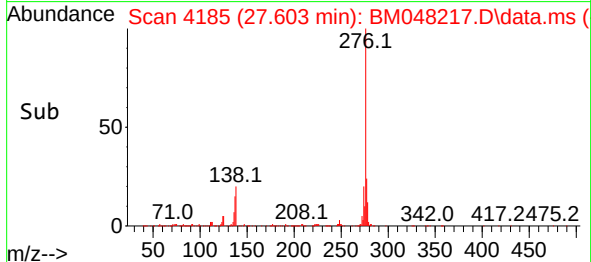
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



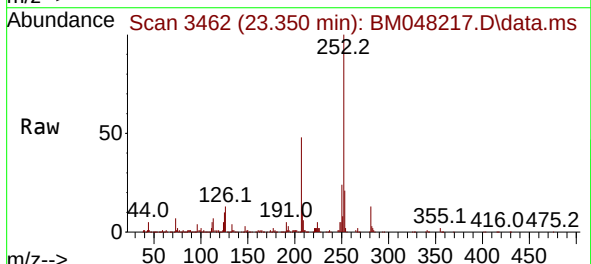
Tgt Ion:276 Resp: 471950
Ion Ratio Lower Upper
276 100
138 24.7 19.8 29.6
277 25.5 20.0 30.0

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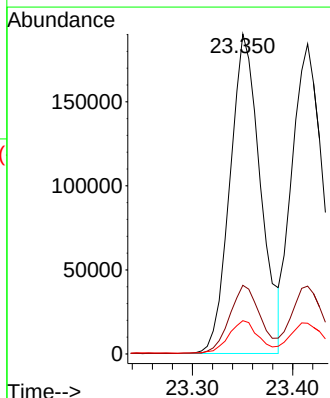
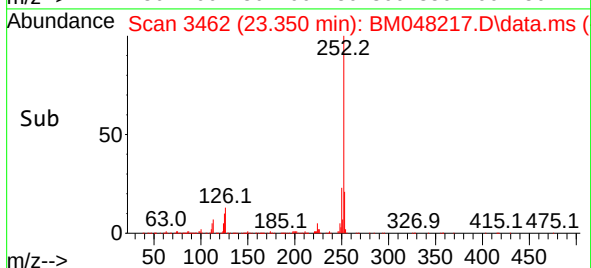
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

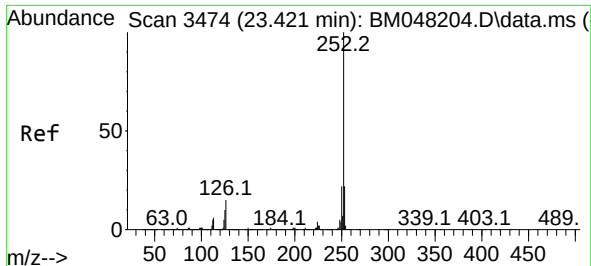


#88
Benzo(b)fluoranthene
Concen: 7.573 ng
RT: 23.350 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10



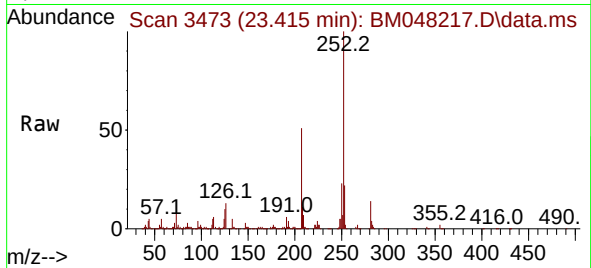
Tgt Ion:252 Resp: 402822
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.6
125 10.4 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 7.852 ng
RT: 23.415 min Scan# 3474
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

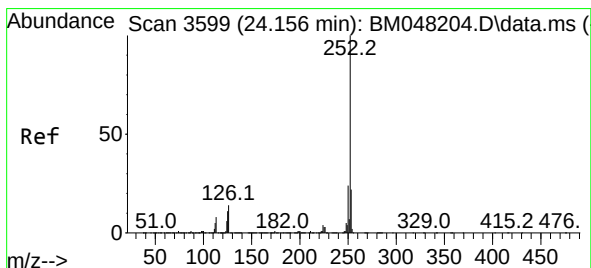
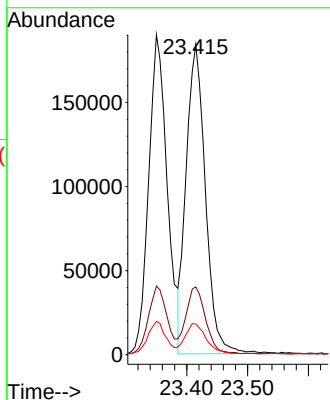
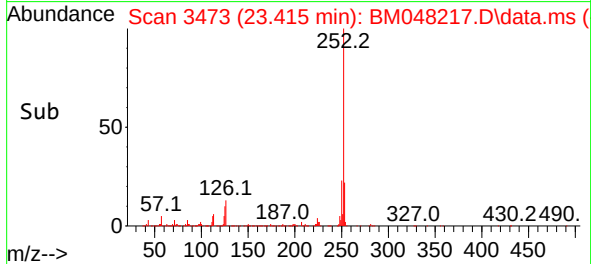
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 403775
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 9.9 7.8 11.6

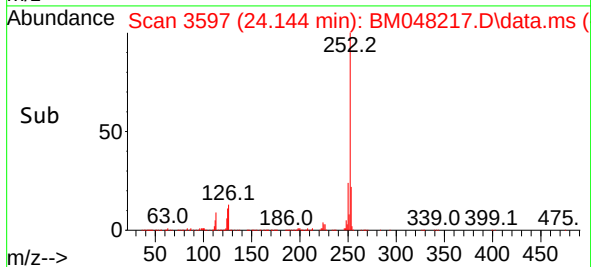
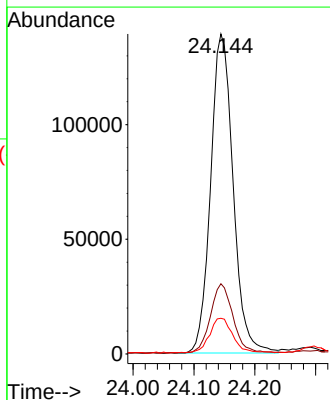
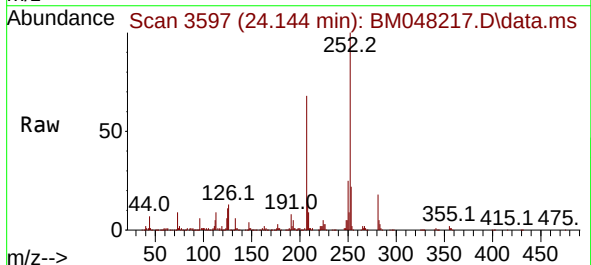
Manual Integrations
APPROVED

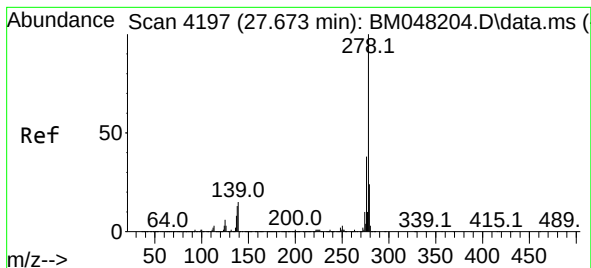
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#90
Benzo(a)pyrene
Concen: 7.719 ng
RT: 24.144 min Scan# 3597
Delta R.T. -0.012 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:252 Resp: 356941
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 11.1 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.672 ng

RT: 27.656 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

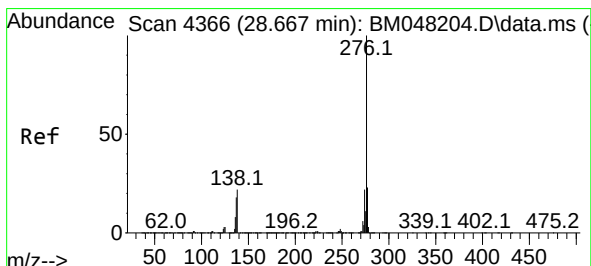
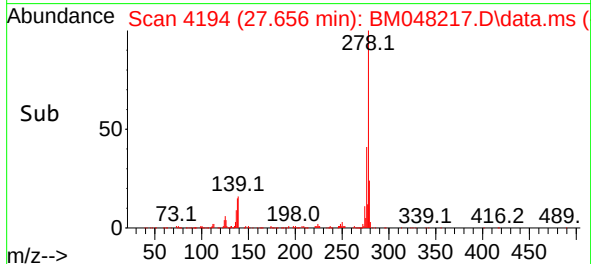
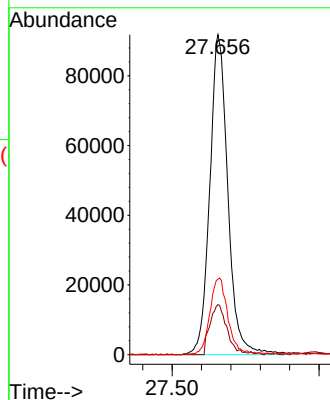
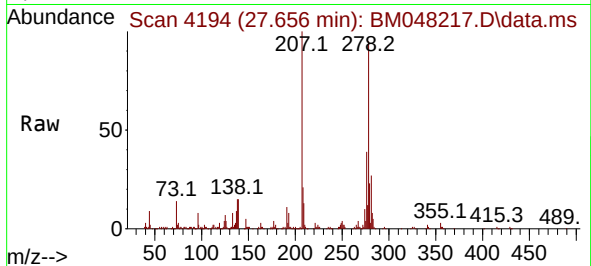
Tgt Ion:	278	Resp:	39192
Ion Ratio	Lower	Upper	
278	100		
139	15.7	12.2	18.4
279	23.6	19.0	28.6

Manual Integrations

APPROVED

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#92

Benzo(g,h,i)perylene

Concen: 7.199 ng

RT: 28.644 min Scan# 4362

Delta R.T. -0.024 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Tgt Ion:	276	Resp:	376565
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.5	27.7
138	21.2	17.5	26.3

