

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101323\
 Data File : BP017667.D
 Acq On : 13 Oct 2023 15:42
 Operator : MA/JU
 Sample : 02215-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Quant Time: Oct 14 01:31:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 16:14:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	80142	20.000	ng/u1	0.01
20) Naphthalene-d8	10.752	136	313084	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.616	164	194363	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.410	188	450769	20.000	ng/u1	0.01
79) Chrysene-d12	21.551	240	510428	20.000	ng/u1	0.00
88) Perylene-d12	24.127	264	592042	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	13552	6.234	ng/uL	0.00
4) Pyridine-d5	3.705	84	159504	26.545	ng/u1	0.00
7) Phenol-d5	7.075	99	180933	24.250	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.258	67	112020	24.757	ng/u1	0.00
11) 2-Chlorophenol-d4	7.434	132	144829	25.077	ng/u1	0.01
15) 4-Methylphenol-d8	8.640	113	135525	22.741	ng/u1	0.01
21) Nitrobenzene-d5	9.128	128	67005	25.480	ng/u1	0.01
24) 2-Nitrophenol-d4	9.846	143	70815	23.946	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.375	165	130579	23.493	ng/u1	0.02
31) 4-Chloroaniline-d4	10.928	131	188938	23.716	ng/u1	0.02
46) Dimethylphthalate-d6	14.034	166	423896	25.182	ng/u1	0.01
49) Acenaphthylene-d8	14.316	160	455115	25.107	ng/u1	0.01
54) 4-Nitrophenol-d4	14.869	143	58172	20.663	ng/u1	0.02
60) Fluorene-d10	15.622	176	387702	27.076	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.769	200	54000	16.949	ng/u1	0.01
73) Anthracene-d10	17.510	188	603890	25.951	ng/u1	0.01
81) Pyrene-d10	19.769	212	764423	24.883	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.957	264	882339	26.547	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	2636	1.143	ng/uL	96
5) Pyridine	3.728	79	24579	3.983	ng/u1#	57
6) Benzaldehyde	7.081	77	20696	5.476	ng/u1	98
8) Phenol	7.099	94	29180	3.941	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.352	93	24260	4.083	ng/u1	95
12) 2-Chlorophenol	7.469	128	23183	4.018	ng/u1	93
13) 2-Methylphenol	8.369	108	18068	3.278	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.440	45	30580	3.989	ng/u1	97
16) Acetophenone	8.775	105	34578	3.729	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.740	70	17312	3.689	ng/u1#	92
18) 4-Methylphenol	8.705	108	20740	3.461	ng/u1	97
19) Hexachloroethane	8.981	117	10855	4.211	ng/u1	96
22) Nitrobenzene	9.169	77	29161	4.317	ng/u1	96
23) Isophorone	9.681	82	41962	3.445	ng/u1#	97
25) 2-Nitrophenol	9.881	139	13655	4.340	ng/u1	95
26) 2,4-Dimethylphenol	9.922	107	23819	3.810	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.175	93	29818	4.007	ng/u1	98
29) 2,4-Dichlorophenol	10.405	162	22086	4.118	ng/u1	97
30) Naphthalene	10.804	128	77071	4.234	ng/u1	98
32) 4-Chloroaniline	10.952	127	29394	3.859	ng/u1	96
33) Hexachlorobutadiene	11.028	225	17867	4.308	ng/u1	95
34) Caprolactam	11.793	113	10849m	6.614	ng/u1	
35) 4-Chloro-3-methylphenol	12.075	107	17842	3.153	ng/u1	99
36) 2-Methylnaphthalene	12.428	142	48235	3.870	ng/u1	96

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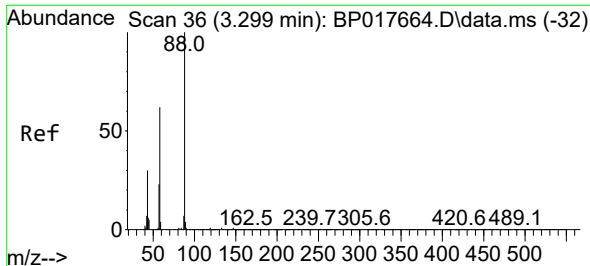
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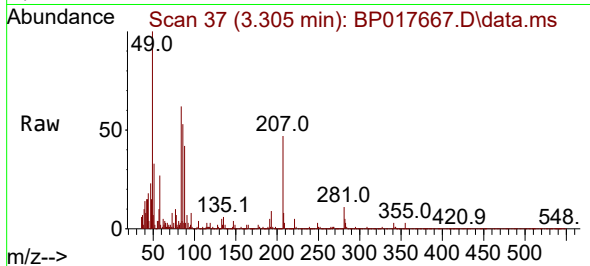
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.646	142	50665	4.005	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	12.775	216	31269	4.410	ng/ul	98
40) Hexachlorocyclopentadiene	12.716	237	13340	4.188	ng/ul	89
41) 2,4,6-Trichlorophenol	13.046	196	14633	3.351	ng/ul	96
42) 2,4,5-Trichlorophenol	13.128	196	15614m	3.387	ng/ul	
43) 1,1'-Biphenyl	13.445	154	68280	4.286	ng/ul	98
44) 2-Chloronaphthalene	13.493	162	53449	4.194	ng/ul	98
45) 2-Nitroaniline	13.746	65	10861	3.083	ng/ul	95
47) Dimethylphthalate	14.081	163	68381	4.114	ng/ul	97
48) 2,6-Dinitrotoluene	14.234	165	9533	3.099	ng/ul	94
50) Acenaphthylene	14.345	152	85079	4.149	ng/ul	99
51) 3-Nitroaniline	14.587	138	8970m	2.891	ng/ul	
52) Acenaphthene	14.687	153	55984	4.105	ng/ul	98
53) 2,4-Dinitrophenol	14.804	184	7809	4.110	ng/ul	97
55) 4-Nitrophenol	14.892	109	8070m	3.060	ng/ul	
56) Dibenzofuran	15.028	168	80826	4.131	ng/ul	95
57) 2,4-Dinitrotoluene	15.034	165	15027	3.164	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.251	232	14668	3.440	ng/ul#	94
59) Diethylphthalate	15.445	149	62452	3.745	ng/ul	99
61) Fluorene	15.681	166	67293	4.171	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.675	204	36048	4.202	ng/ul	97
63) 4-Nitroaniline	15.769	138	10896m	3.534	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.787	198	10525m	3.154	ng/ul	
67) N-Nitrosodiphenylamine	15.904	169	52178	3.874	ng/ul	96
68) 4-Bromophenyl-phenylether	16.587	248	21575	3.969	ng/ul	99
69) Hexachlorobenzene	16.663	284	27212	4.207	ng/ul	98
70) Atrazine	16.869	200	16985	3.258	ng/ul	95
71) Pentachlorophenol	17.045	266	15074	3.848	ng/ul	90
72) Phenanthrene	17.451	178	110119	4.152	ng/ul	99
74) Anthracene	17.551	178	110175	4.107	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	29054	4.085	ng/uL	96
76) Pentachlorobenzene	14.916	250	33474	4.586	ng/uL	96
77) Carbazole	17.845	167	87512	3.602	ng/ul	98
78) Di-n-butylphthalate	18.351	149	91721	3.066	ng/ul	99
80) Fluoranthene	19.439	202	133805	3.811	ng/ul	99
82) Pyrene	19.798	202	148580	4.051	ng/ul	99
83) Butylbenzylphthalate	20.669	149	38276	2.682	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.486	252	38581	2.951	ng/ul	98
85) Benzo(a)anthracene	21.539	228	153549	3.923	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.416	149	53533	2.481	ng/ul	98
87) Chrysene	21.592	228	150117	4.156	ng/ul	97
89) Di-n-octyl phthalate	22.404	149	91971	2.379	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	161781	4.013	ng/ul	99
91) Benzo(k)fluoranthene	23.380	252	158712m	3.957	ng/ul	
93) Benzo(a)pyrene	24.010	252	148136	3.946	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.874	276	185653	4.032	ng/ul	99
95) Dibenzo(a,h)anthracene	26.904	278	155686	4.035	ng/ul	99
96) Benzo(g,h,i)perylene	27.727	276	154807	4.228	ng/ul#	94

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



#2
1,4-Dioxane
Concen: 1.143 ng/uL
RT: 3.305 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

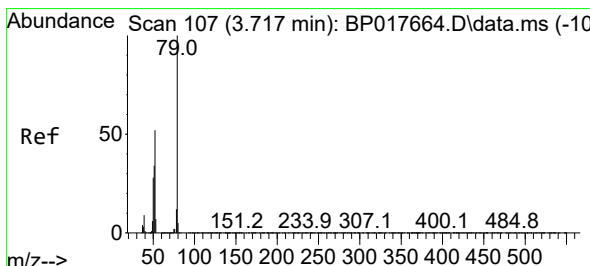
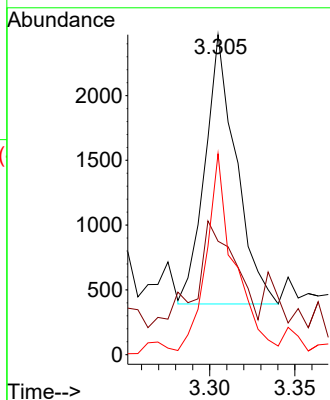
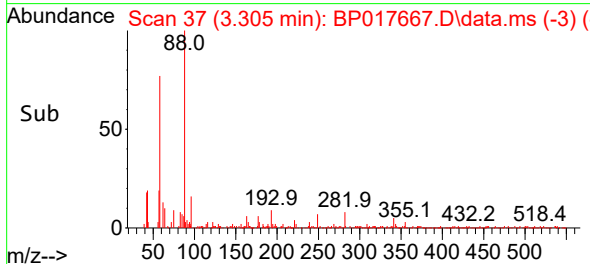
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion: 88 Resp: 2630
Ion Ratio Lower Upper
88 100
43 35.5 27.3 40.9
58 62.8 53.3 79.9

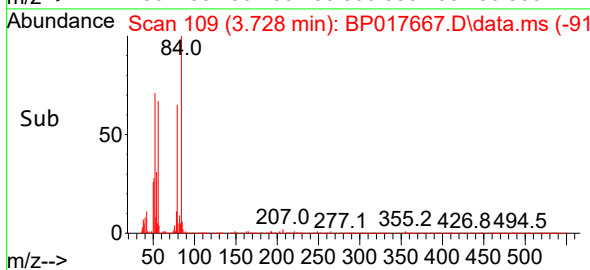
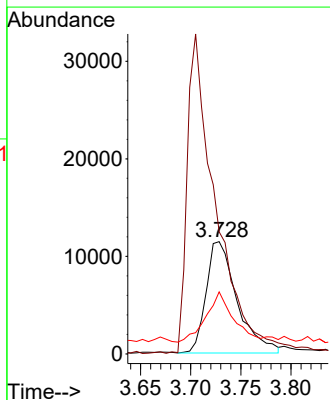
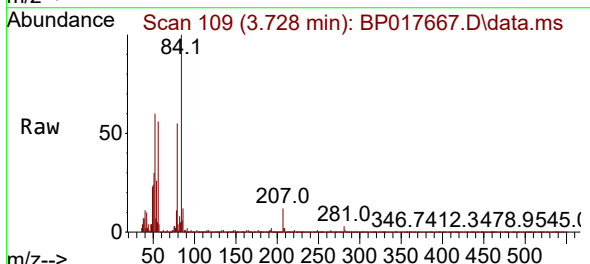
Manual Integrations
APPROVED

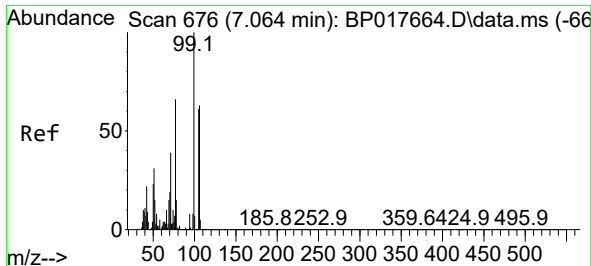
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#5
Pyridine
Concen: 3.983 ng/uL
RT: 3.728 min Scan# 109
Delta R.T. 0.006 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

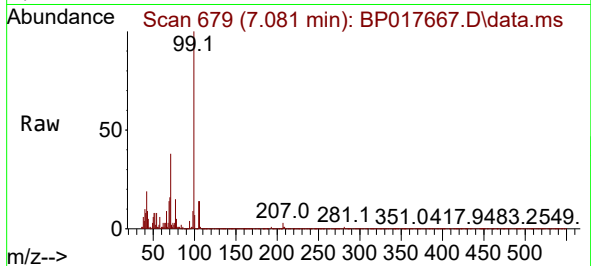
Tgt Ion: 79 Resp: 24579
Ion Ratio Lower Upper
79 100
52 108.7 55.8 83.6#
51 55.2 28.7 43.1#





#6
Benzaldehyde
Concen: 5.476 ng/ul
RT: 7.081 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

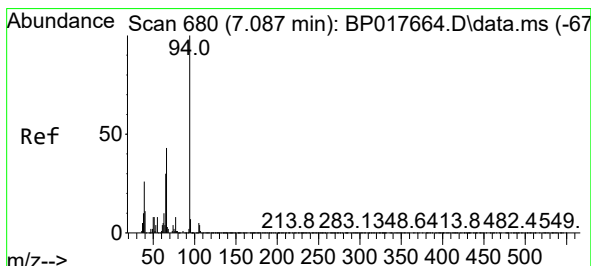
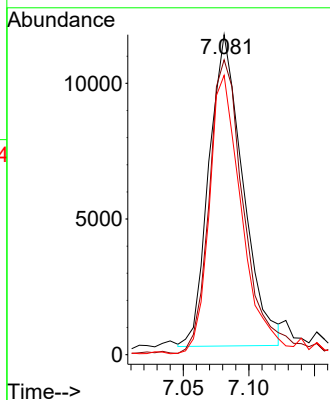
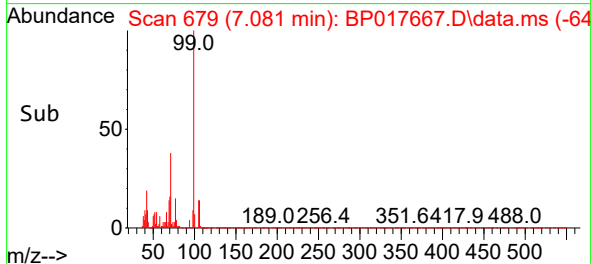
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



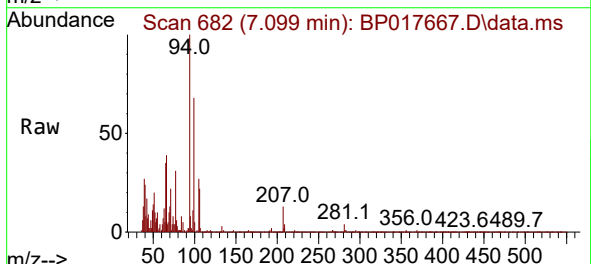
Tgt Ion: 77 Resp: 20690
Ion Ratio Lower Upper
77 100
105 92.2 74.9 112.3
106 87.3 72.2 108.2

Manual Integrations
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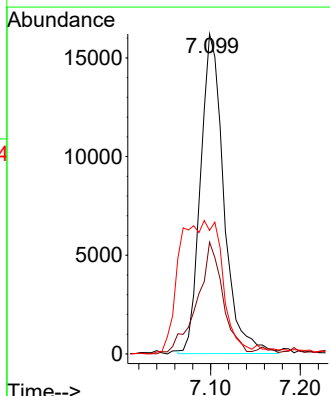
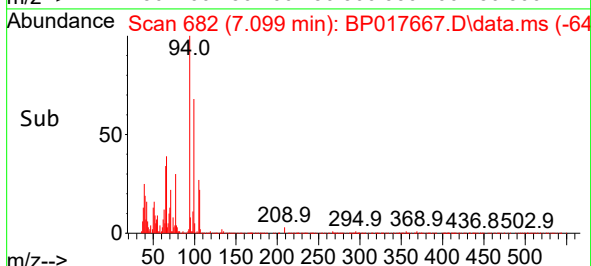
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

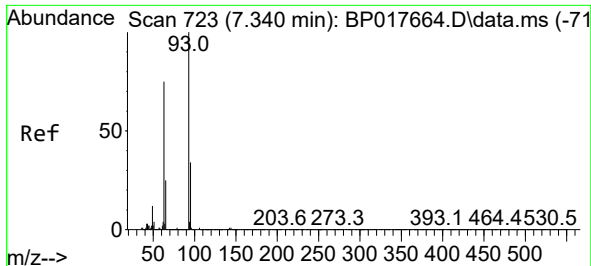


#8
Phenol
Concen: 3.941 ng/ul
RT: 7.099 min Scan# 682
Delta R.T. 0.006 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



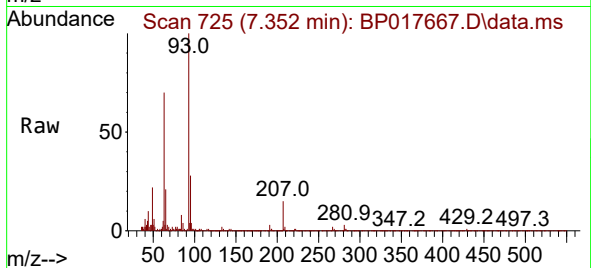
Tgt Ion: 94 Resp: 29180
Ion Ratio Lower Upper
94 100
65 34.9 24.2 36.4
66 38.6 31.8 47.6





#10
Bis(2-Chloroethyl)ether
Concen: 4.083 ng/ul
RT: 7.352 min Scan# 725
Delta R.T. 0.006 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

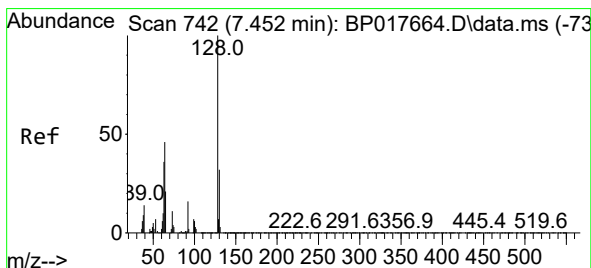
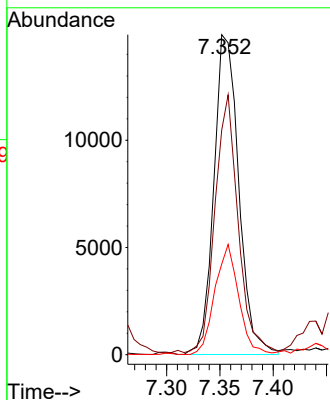
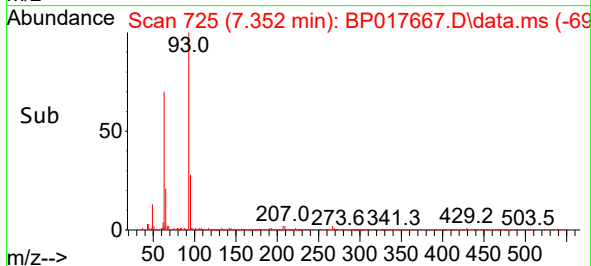
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion: 93 Resp: 24260
Ion Ratio Lower Upper
93 100
63 70.2 59.4 89.2
95 28.3 25.3 37.9

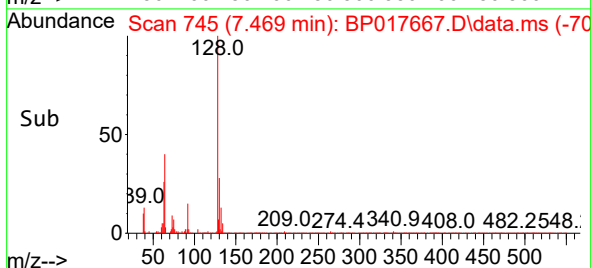
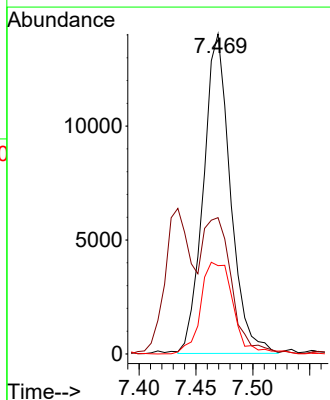
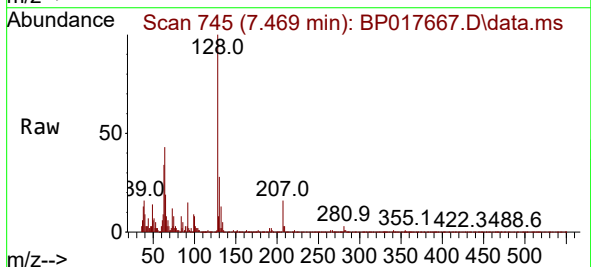
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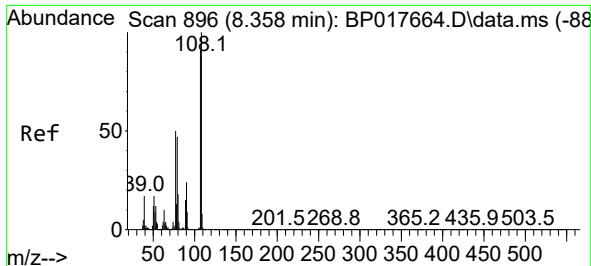
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#12
2-Chlorophenol
Concen: 4.018 ng/ul
RT: 7.469 min Scan# 745
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion:128 Resp: 23183
Ion Ratio Lower Upper
128 100
64 42.6 36.9 55.3
130 27.6 25.8 38.8





#13

2-Methylphenol

Concen: 3.278 ng/ul

RT: 8.369 min Scan# 896

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:108 Resp: 1806

Ion Ratio Lower Upper

108 100

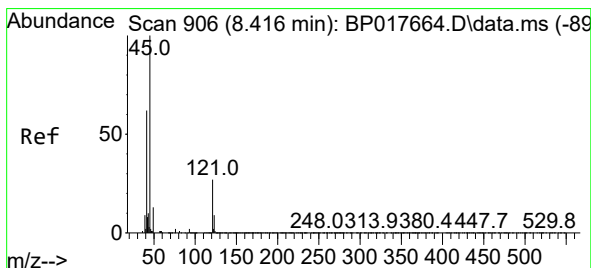
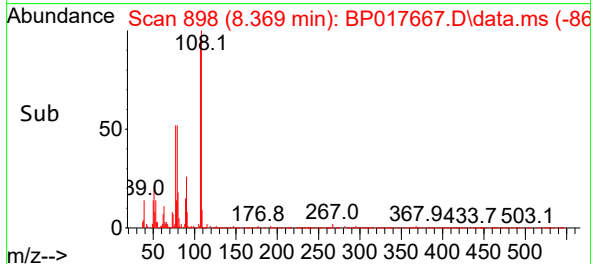
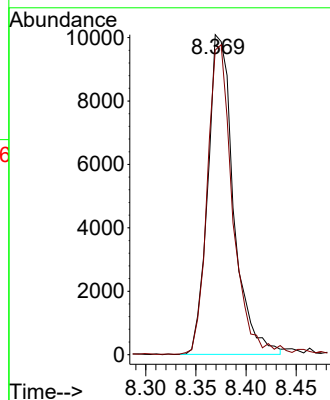
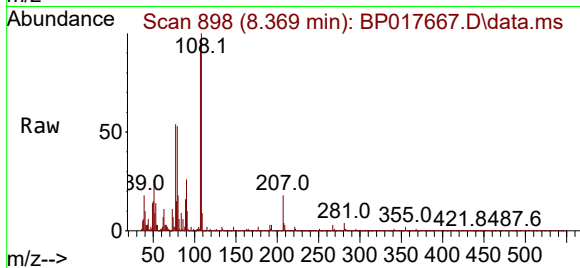
107 95.2 70.2 105.2

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 10/17/2023



#14

2,2'-oxybis(1-Chloropropane)

Concen: 3.989 ng/ul

RT: 8.440 min Scan# 910

Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

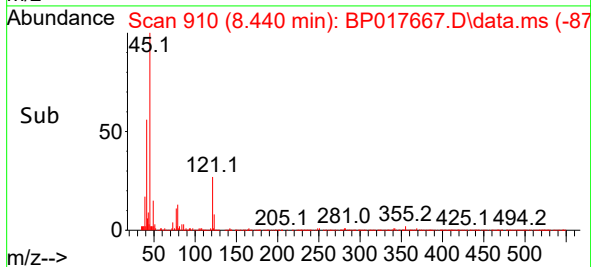
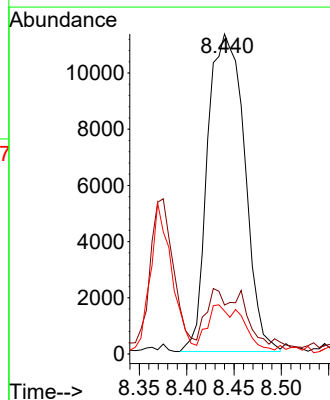
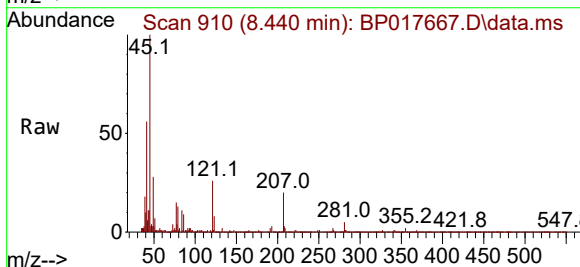
Tgt Ion: 45 Resp: 30580

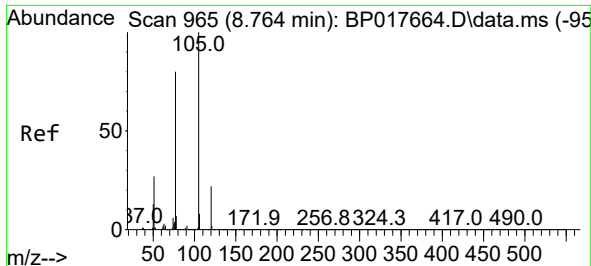
Ion Ratio Lower Upper

45 100

77 15.3 13.0 19.6

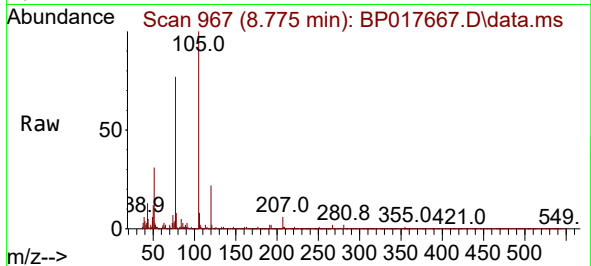
79 13.4 9.5 14.3





#16
Acetophenone
Concen: 3.729 ng/ul
RT: 8.775 min Scan# 90
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

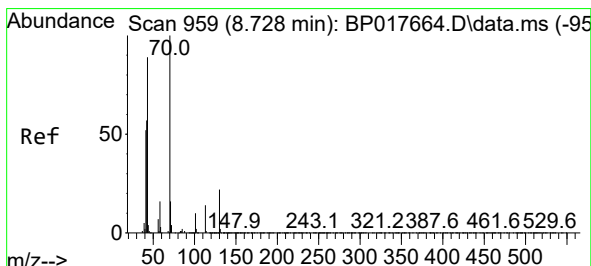
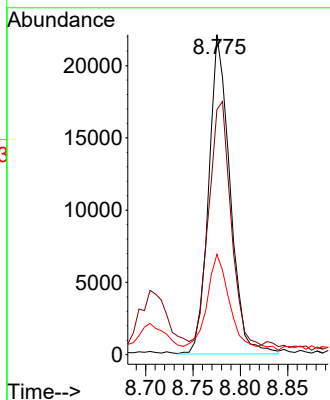
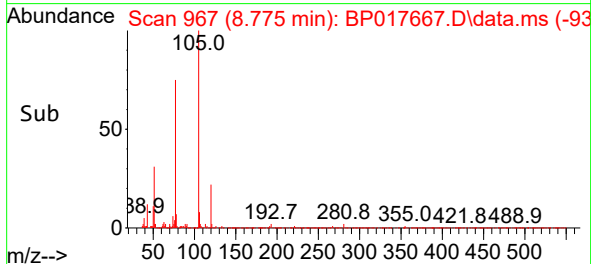
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ClientSampleId :
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Tgt Ion: 105 Resp: 34578
Ion Ratio Lower Upper
105 100
77 76.6 64.3 96.5
51 31.4 22.6 33.8

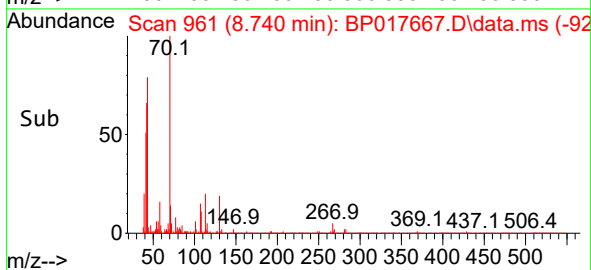
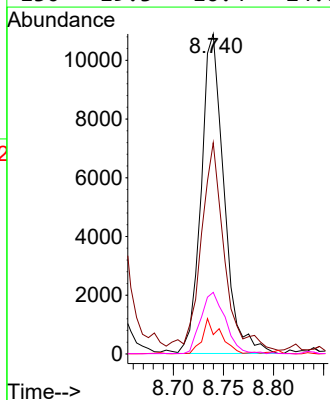
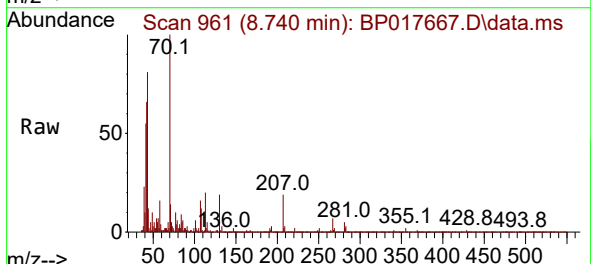
Manual Integrations
APPROVED

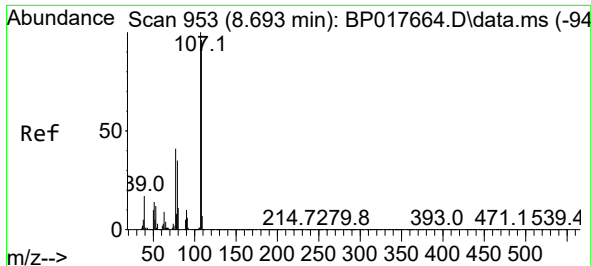
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#17
N-Nitroso-di-n-propylamine
Concen: 3.689 ng/ul
RT: 8.740 min Scan# 961
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion: 70 Resp: 17312
Ion Ratio Lower Upper
70 100
42 66.0 46.6 70.0
101 6.1 7.8 11.6#
130 19.3 16.4 24.6





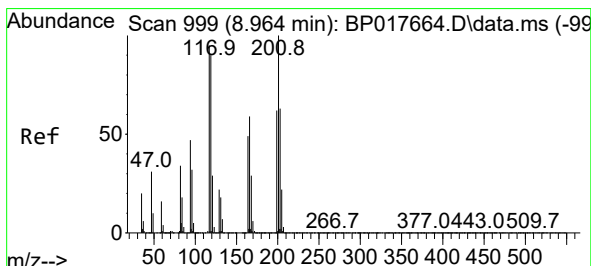
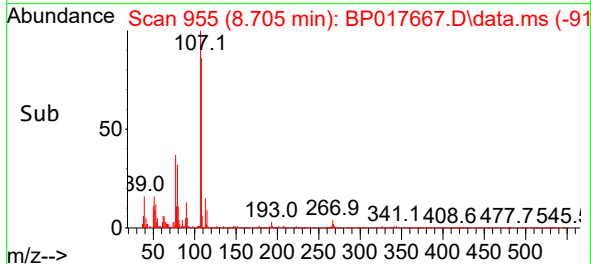
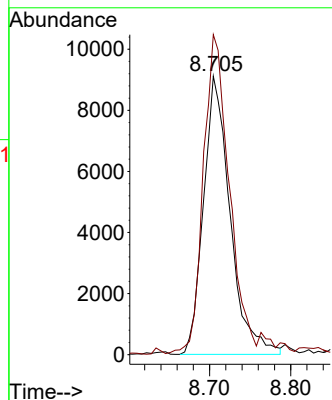
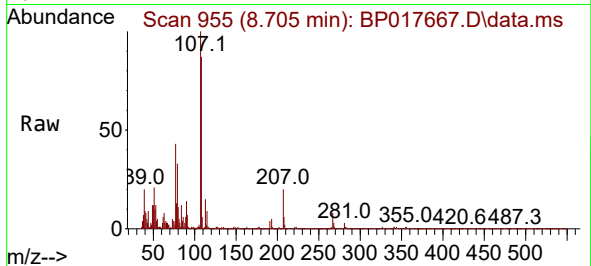
#18
4-Methylphenol
Concen: 3.461 ng/ul
RT: 8.705 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:108 Resp: 20740
Ion Ratio Lower Upper
108 100
107 114.9 89.4 134.2

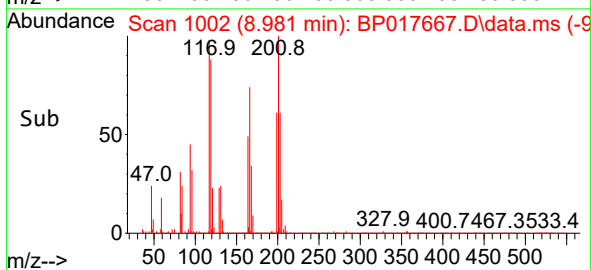
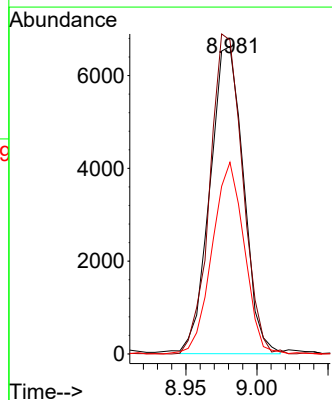
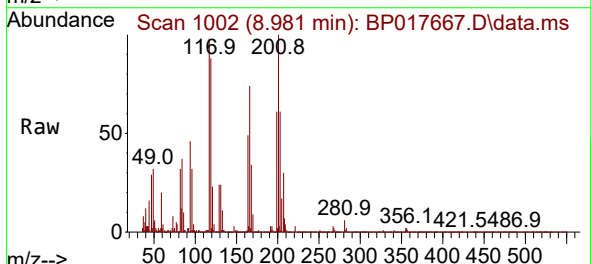
Manual Integrations
APPROVED

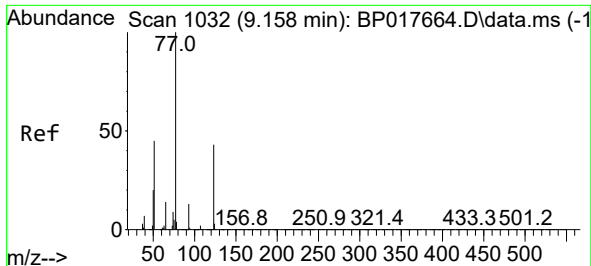
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#19
Hexachloroethane
Concen: 4.211 ng/ul
RT: 8.981 min Scan# 1002
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

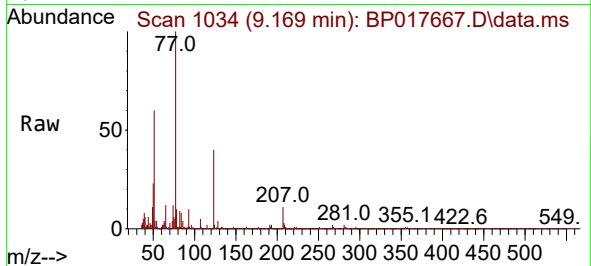
Tgt Ion:117 Resp: 10855
Ion Ratio Lower Upper
117 100
201 104.3 85.4 128.2
199 62.0 53.7 80.5





#22
Nitrobenzene
Concen: 4.317 ng/ul
RT: 9.169 min Scan# 1034
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

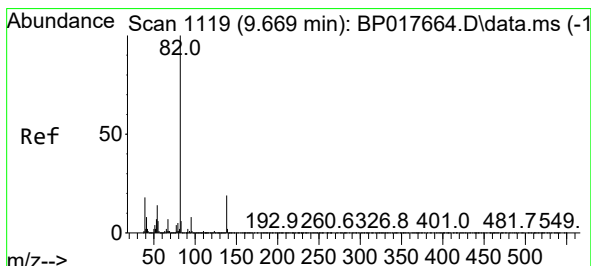
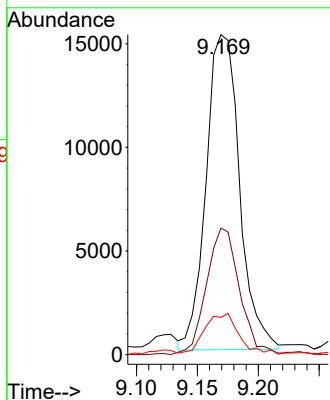
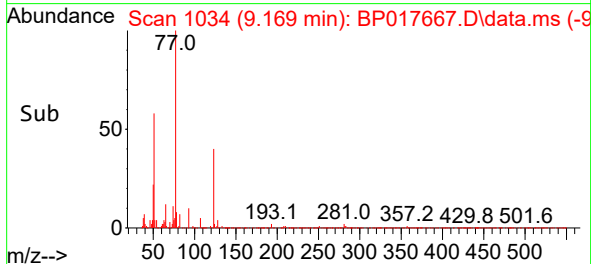
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



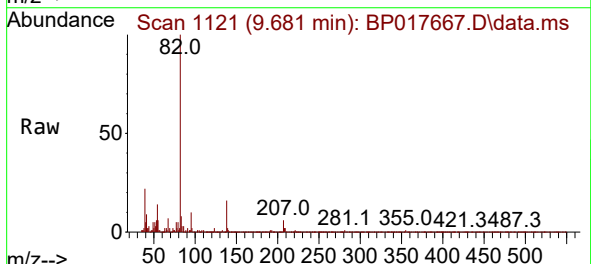
Tgt Ion: 77 Resp: 2916
Ion Ratio Lower Upper
77 100
123 39.5 33.8 50.6
65 11.6 10.6 16.0

Manual Integrations
APPROVED

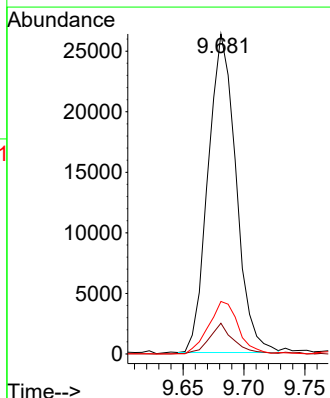
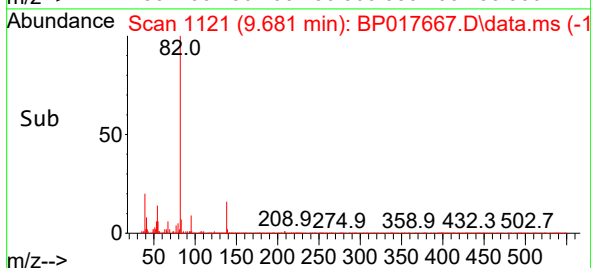
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

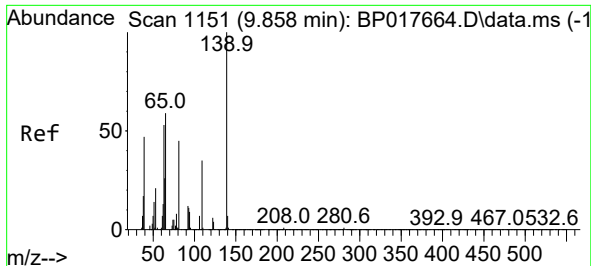


#23
Isophorone
Concen: 3.445 ng/ul
RT: 9.681 min Scan# 1121
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



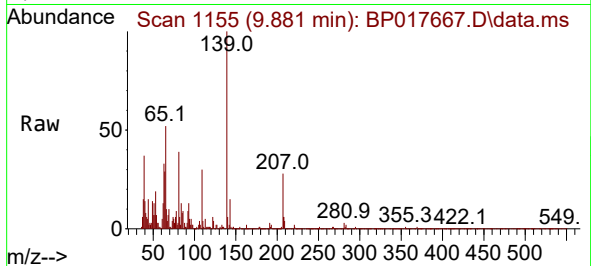
Tgt Ion: 82 Resp: 41962
Ion Ratio Lower Upper
82 100
95 9.6 6.0 9.0#
138 16.4 13.9 20.9





#25
2-Nitrophenol
Concen: 4.340 ng/ul
RT: 9.881 min Scan# 1155
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

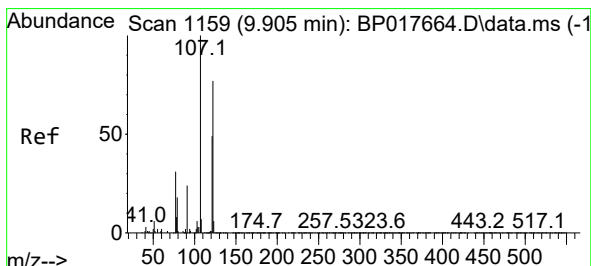
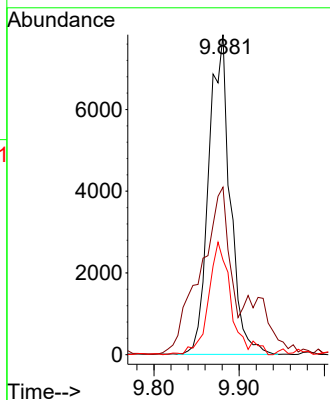
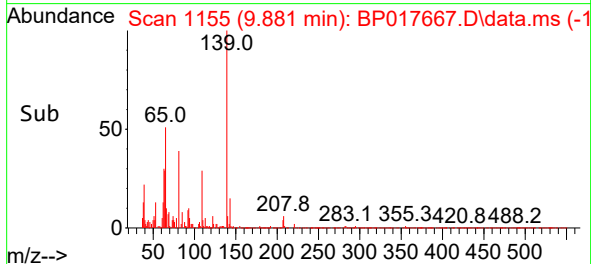
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



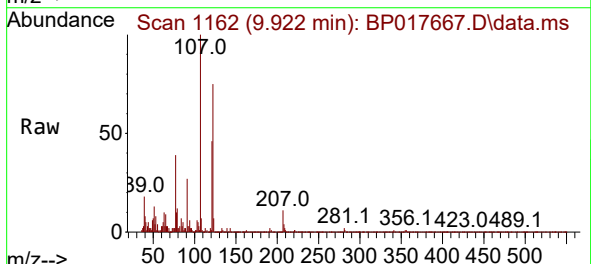
Tgt Ion:139 Resp: 1365
Ion Ratio Lower Upper
139 100
65 52.3 43.4 65.2
109 29.6 28.1 42.1

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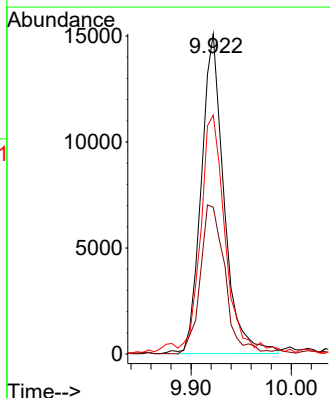
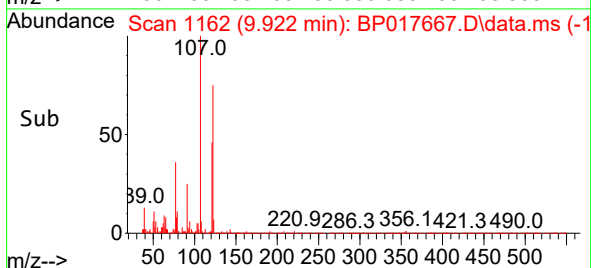
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

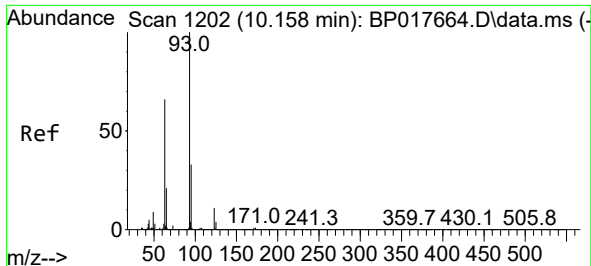


#26
2,4-Dimethylphenol
Concen: 3.810 ng/ul
RT: 9.922 min Scan# 1162
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



Tgt Ion:107 Resp: 23819
Ion Ratio Lower Upper
107 100
121 45.9 37.6 56.4
122 74.7 67.0 100.6





#27

Bis(2-Chloroethoxy)methane

Concen: 4.007 ng/ul

RT: 10.175 min Scan# 1205

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

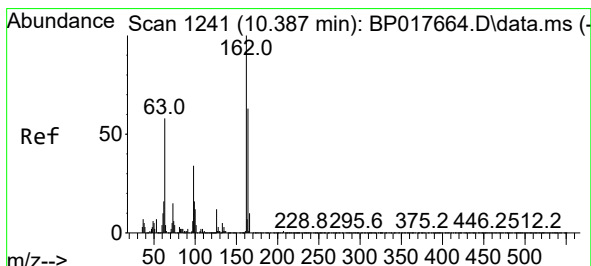
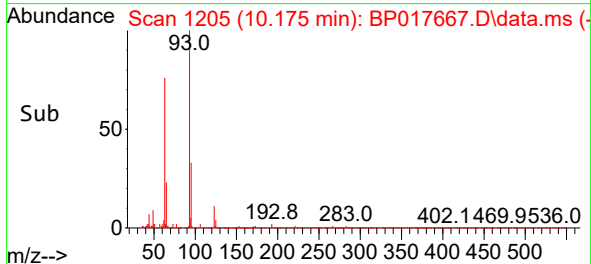
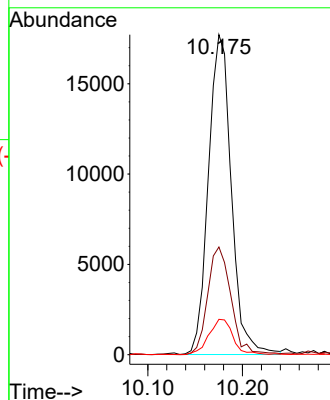
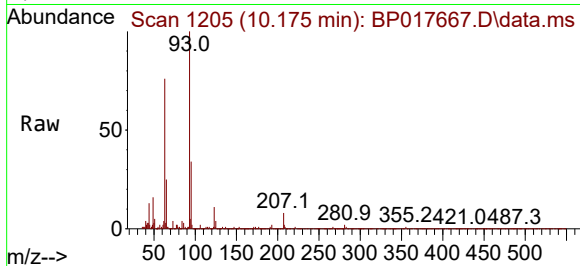
Tgt Ion: 93	Resp: 29818
Ion Ratio	Lower Upper
93 100	
95 33.7	25.9 38.9
123 11.0	8.8 13.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#29

2,4-Dichlorophenol

Concen: 4.118 ng/ul

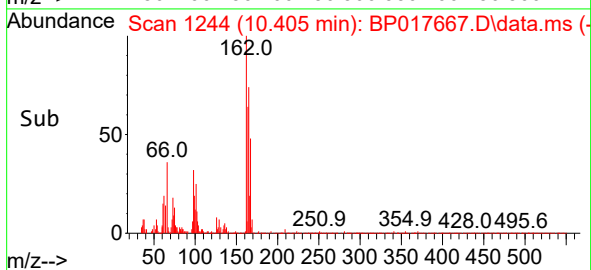
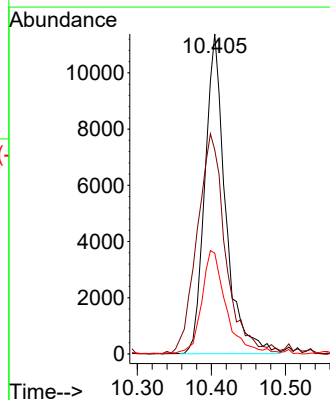
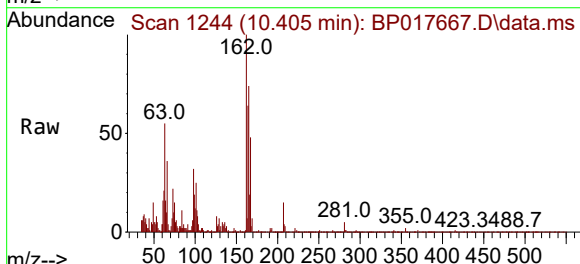
RT: 10.405 min Scan# 1244

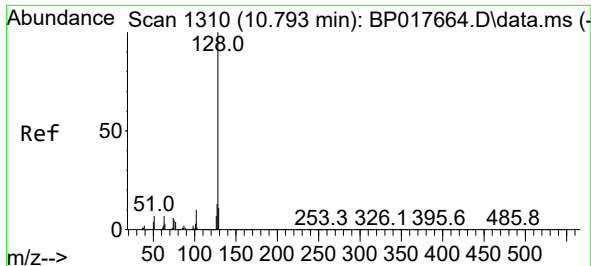
Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:162	Resp: 22086
Ion Ratio	Lower Upper
162 100	
164 63.8	50.5 75.7
98 31.5	27.8 41.8





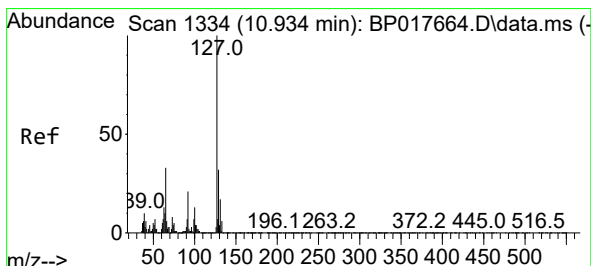
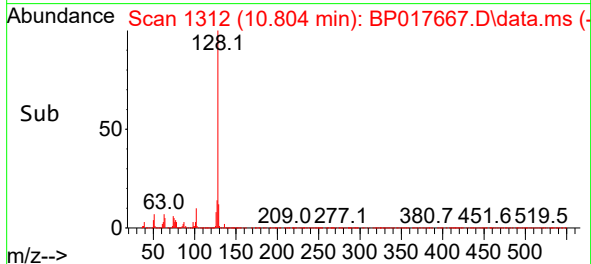
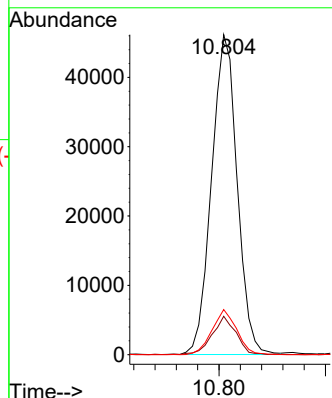
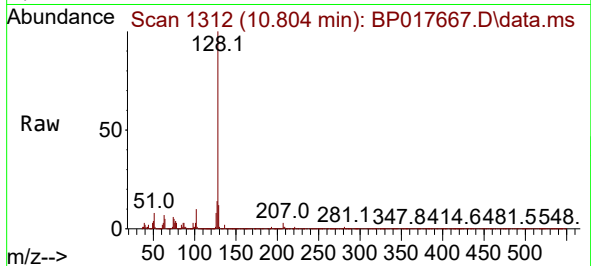
#30
Naphthalene
Concen: 4.234 ng/ul
RT: 10.804 min Scan# 1312
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:128 Resp: 7707
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 14.1 10.5 15.7

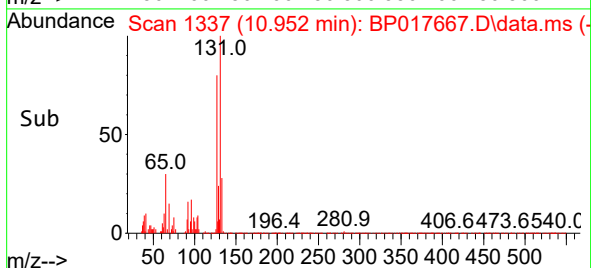
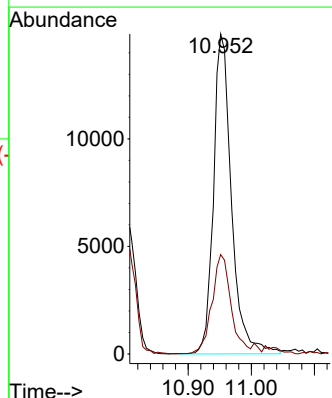
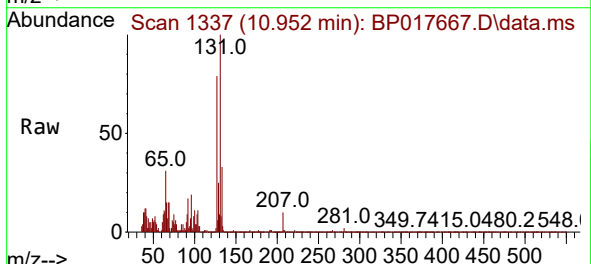
Manual Integrations
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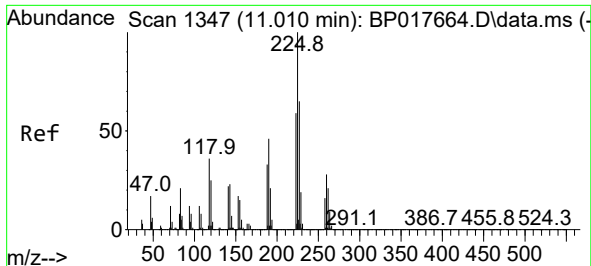
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#32
4-Chloroaniline
Concen: 3.859 ng/ul
RT: 10.952 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

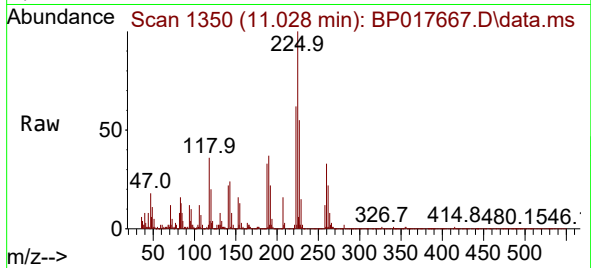
Tgt Ion:127 Resp: 29394
Ion Ratio Lower Upper
127 100
129 31.0 26.6 40.0





#33
Hexachlorobutadiene
Concen: 4.308 ng/ul
RT: 11.028 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

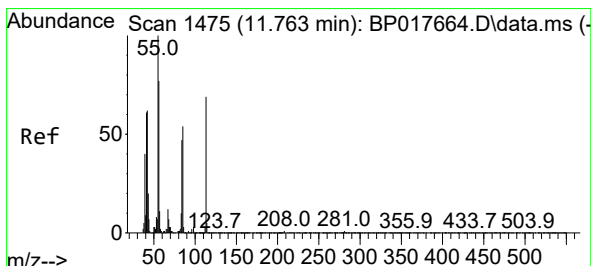
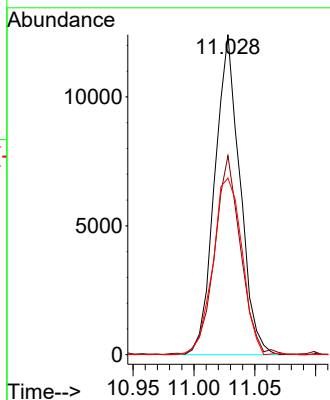
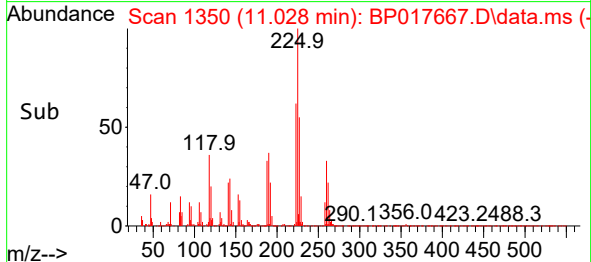
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion: 225 Resp: 1786
Ion Ratio Lower Upper
225 100
223 64.1 50.2 75.2
227 57.4 51.0 76.4

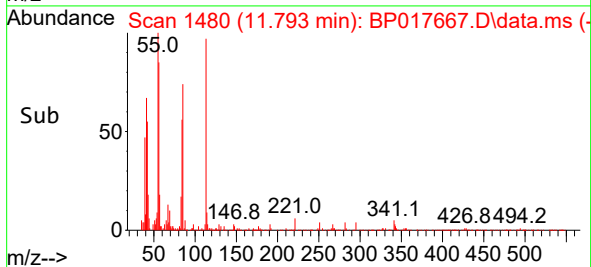
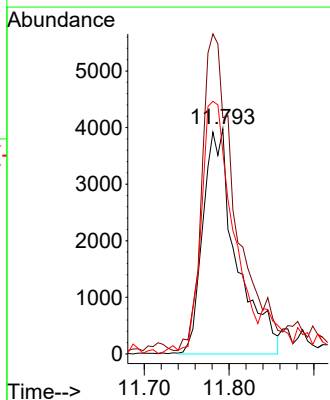
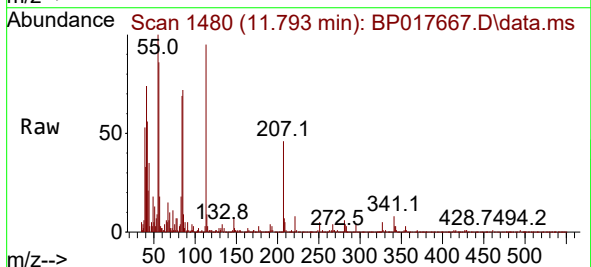
Manual Integrations
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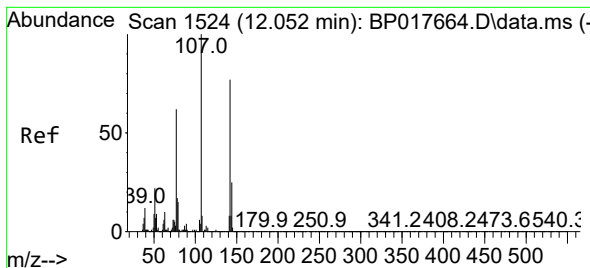
Reviewed By : Yogesh Patel 10/16/2023
Supervised By : mohammad ahmed 10/17/2023



#34
Caprolactam
Concen: 6.614 ng/ul m
RT: 11.793 min Scan# 1480
Delta R.T. 0.024 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

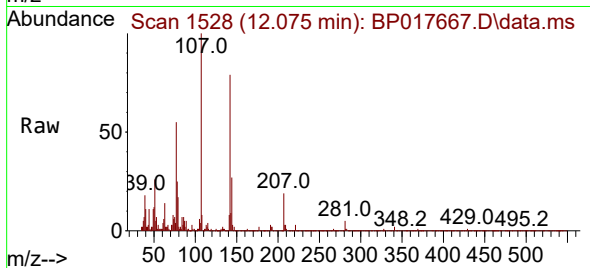
Tgt Ion: 113 Resp: 10849
Ion Ratio Lower Upper
113 100
55 105.0 126.9 190.3#
56 89.8 97.9 146.9#





#35
4-Chloro-3-methylphenol
Concen: 3.153 ng/ul
RT: 12.075 min Scan# 1528
Delta R.T. 0.024 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

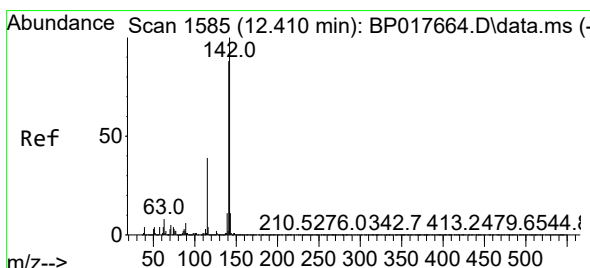
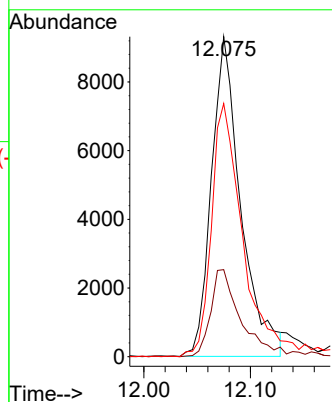
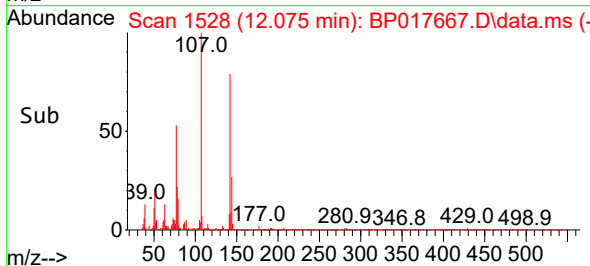
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



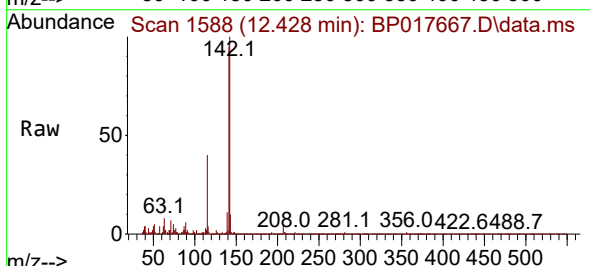
Tgt Ion:107 Resp: 1784
Ion Ratio Lower Upper
107 100
144 27.2 20.1 30.1
142 79.1 63.3 94.9

Manual Integrations
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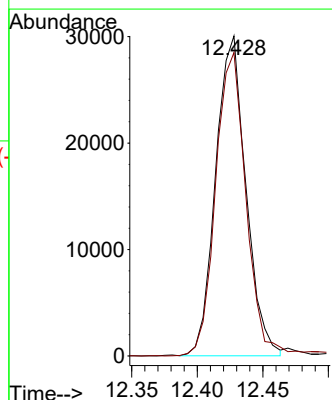
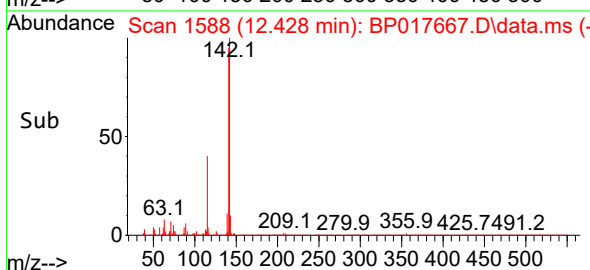
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

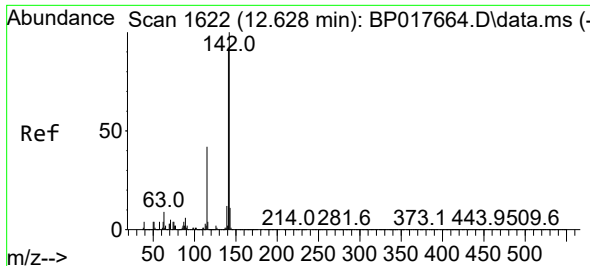


#36
2-Methylnaphthalene
Concen: 3.870 ng/ul
RT: 12.428 min Scan# 1588
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



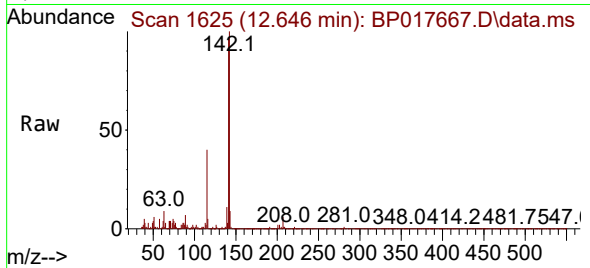
Tgt Ion:142 Resp: 48235
Ion Ratio Lower Upper
142 100
141 94.8 72.8 109.2





#37
1-Methylnaphthalene
Concen: 4.005 ng/ul
RT: 12.646 min Scan# 1625
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

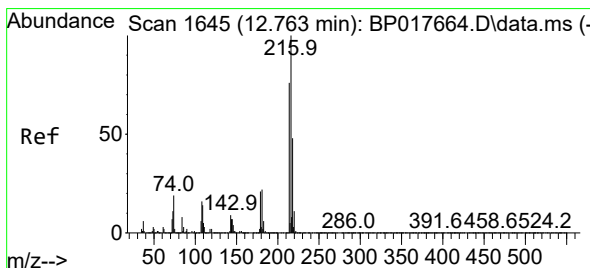
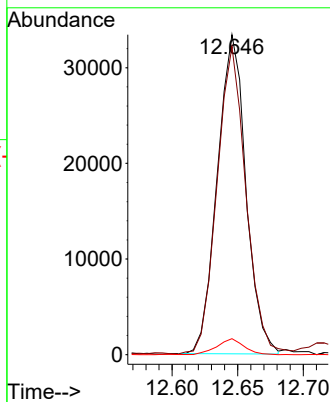
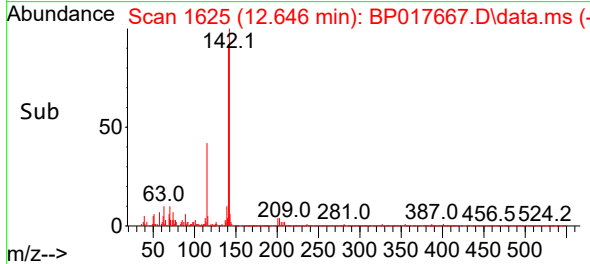
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:142 Resp: 5066
Ion Ratio Lower Upper
142 100
141 96.3 74.3 111.5
116 5.0 3.3 4.9

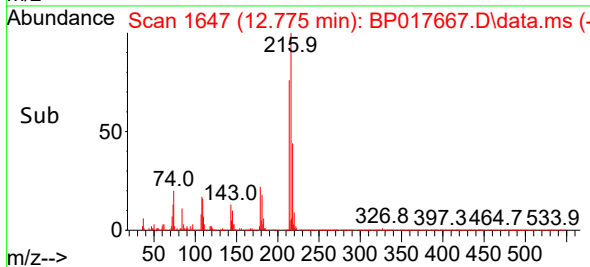
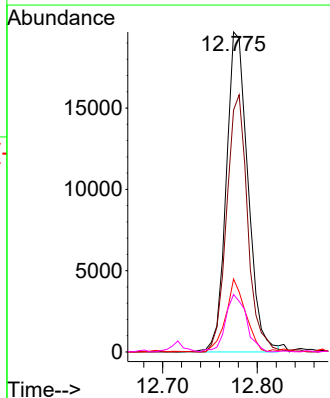
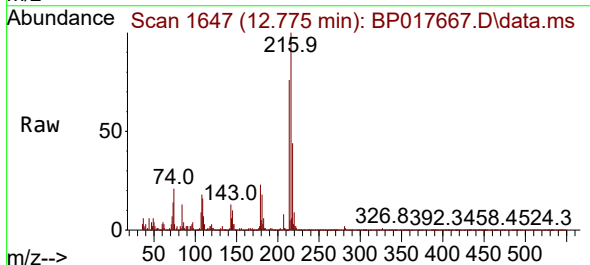
Manual Integrations
APPROVED

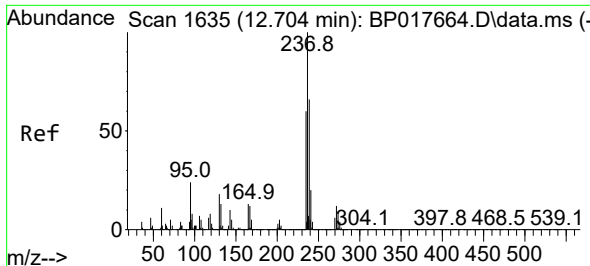
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.410 ng/ul
RT: 12.775 min Scan# 1647
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

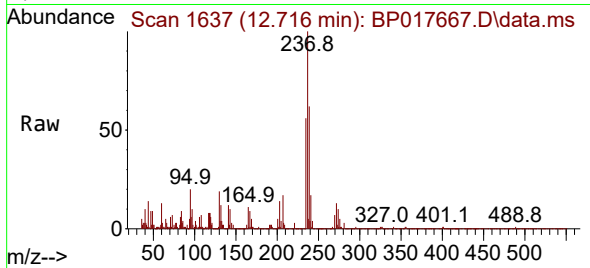
Tgt Ion:216 Resp: 31269
Ion Ratio Lower Upper
216 100
214 75.6 59.8 89.8
179 22.8 16.6 25.0
108 18.0 12.8 19.2





#40
Hexachlorocyclopentadiene
Concen: 4.188 ng/ul
RT: 12.716 min Scan# 1635
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

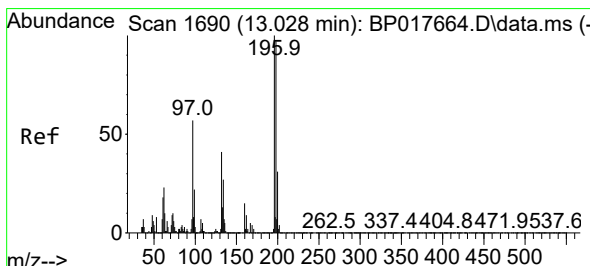
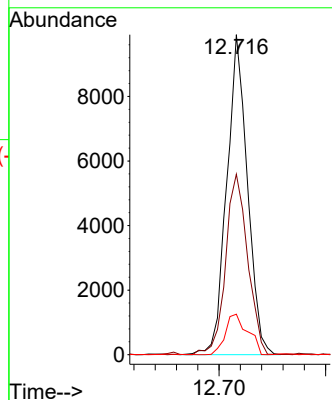
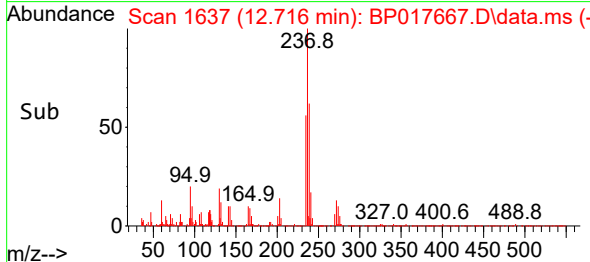
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



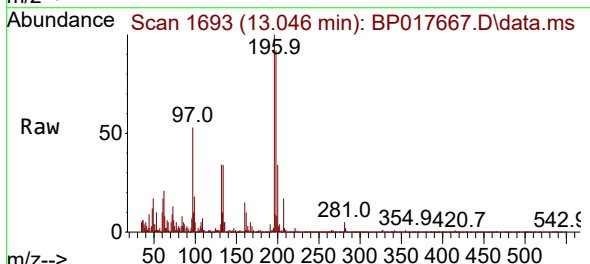
Tgt Ion:237 Resp: 13340
Ion Ratio Lower Upper
237 100
235 53.9 50.4 75.6
272 12.1 11.3 16.9

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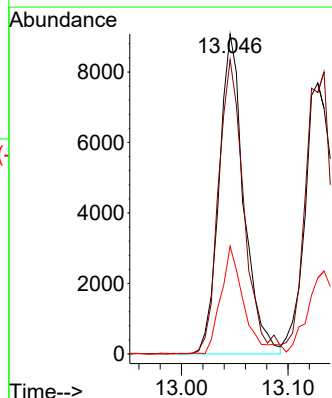
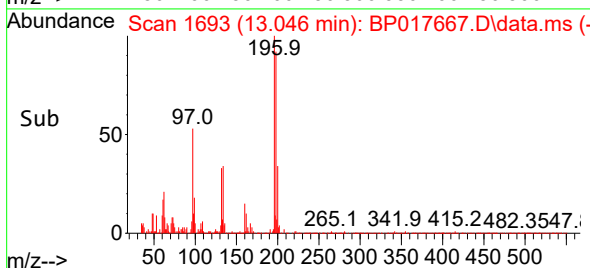
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

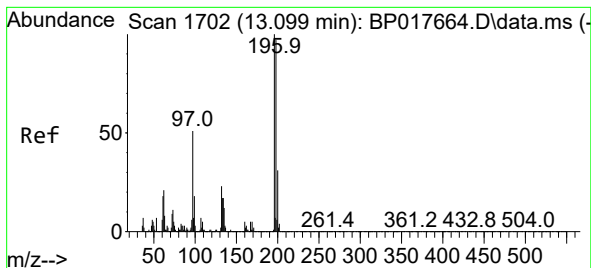


#41
2,4,6-Trichlorophenol
Concen: 3.351 ng/ul
RT: 13.046 min Scan# 1693
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



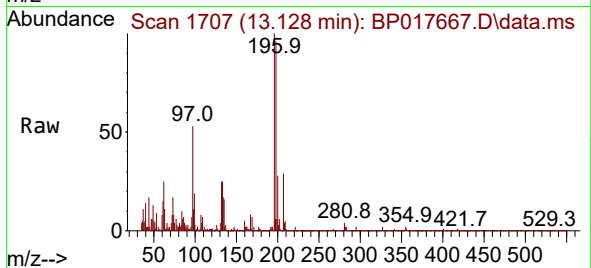
Tgt Ion:196 Resp: 14633
Ion Ratio Lower Upper
196 100
198 92.0 77.3 115.9
200 33.7 25.4 38.2





#42
2,4,5-Trichlorophenol
Concen: 3.387 ng/ul m
RT: 13.128 min Scan# 1761
Delta R.T. 0.029 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

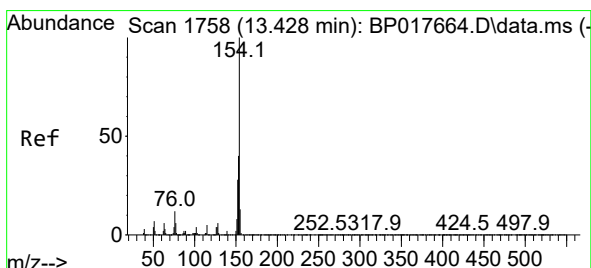
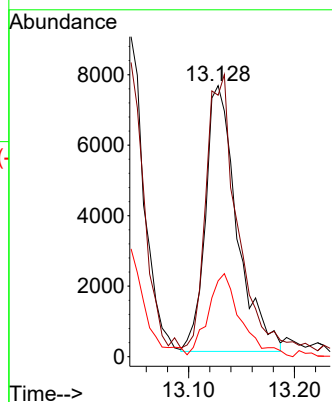
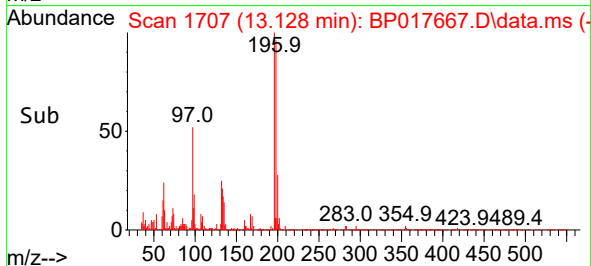
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



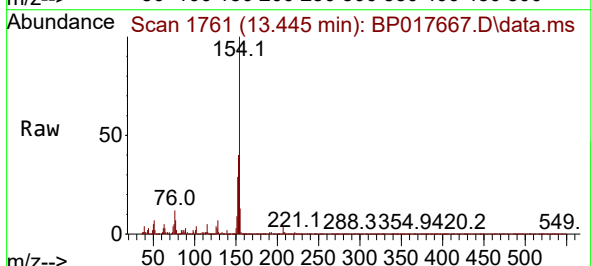
Tgt Ion:196 Resp: 15614
Ion Ratio Lower Upper
196 100
198 96.4 73.0 109.4
200 28.0 23.9 35.9

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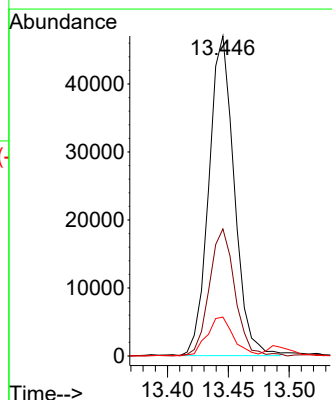
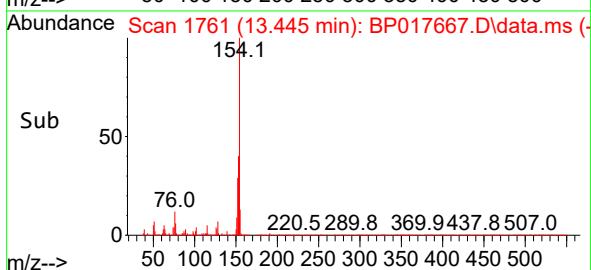
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

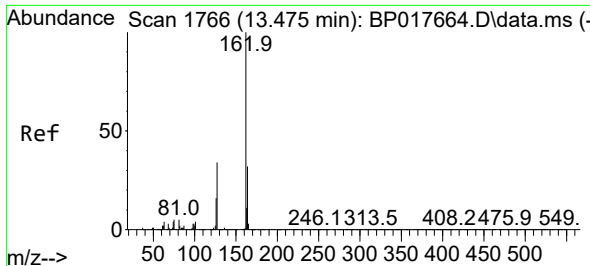


#43
1,1'-Biphenyl
Concen: 4.286 ng/ul
RT: 13.445 min Scan# 1761
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



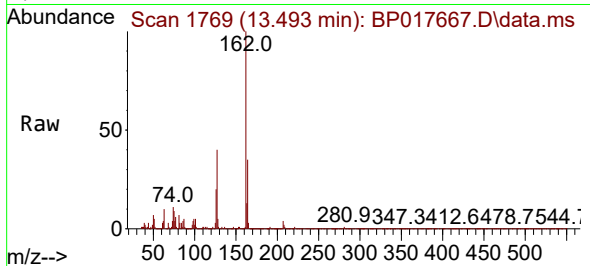
Tgt Ion:154 Resp: 68280
Ion Ratio Lower Upper
154 100
153 39.7 32.5 48.7
76 12.2 10.4 15.6





#44
2-Chloronaphthalene
Concen: 4.194 ng/ul
RT: 13.493 min Scan# 1769
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

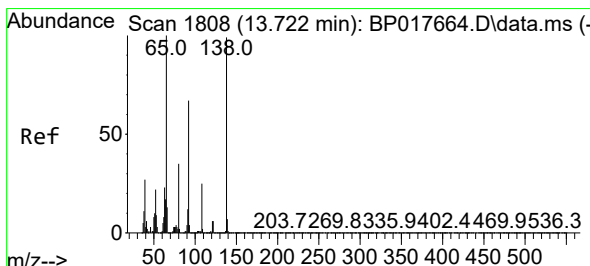
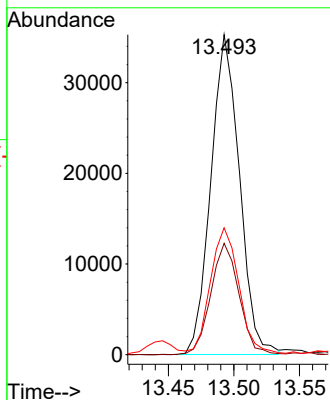
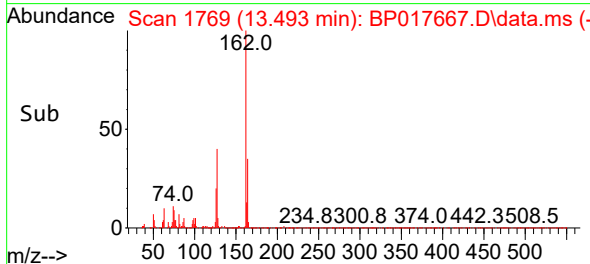
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



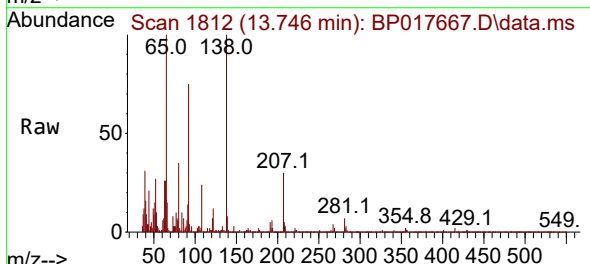
Tgt Ion:162 Resp: 53449
Ion Ratio Lower Upper
162 100
164 34.8 26.5 39.7
127 39.6 31.4 47.0

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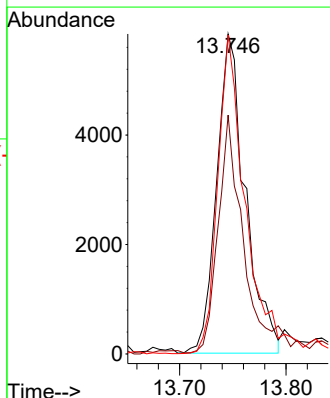
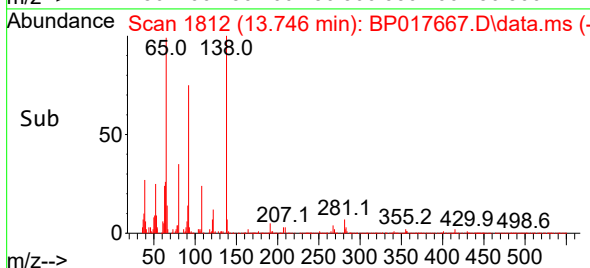
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

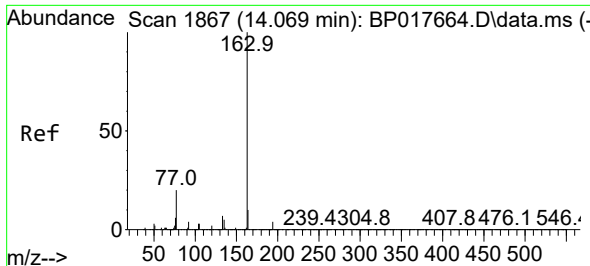


#45
2-Nitroaniline
Concen: 3.083 ng/ul
RT: 13.746 min Scan# 1812
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



Tgt Ion: 65 Resp: 10861
Ion Ratio Lower Upper
65 100
92 74.6 55.3 82.9
138 99.7 82.8 124.2





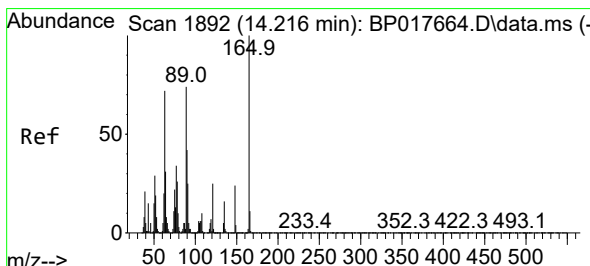
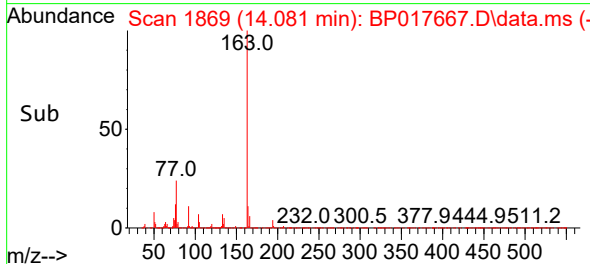
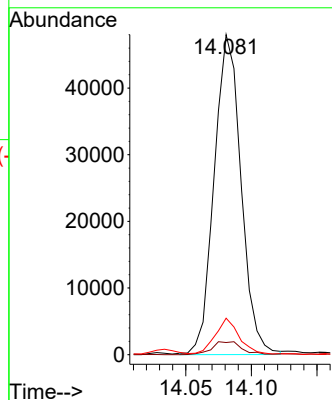
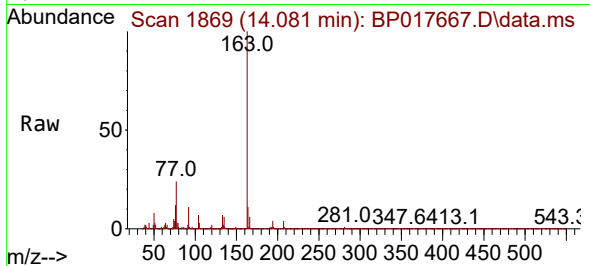
#47
Dimethylphthalate
Concen: 4.114 ng/ul
RT: 14.081 min Scan# 1869
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:163 Resp: 6838
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 11.4 8.0 12.0

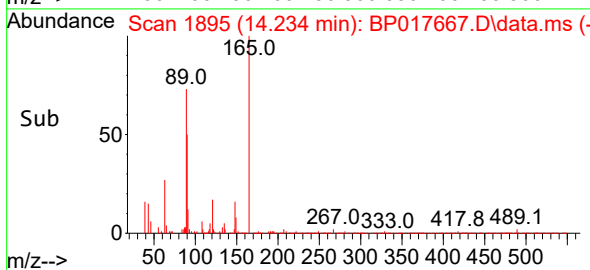
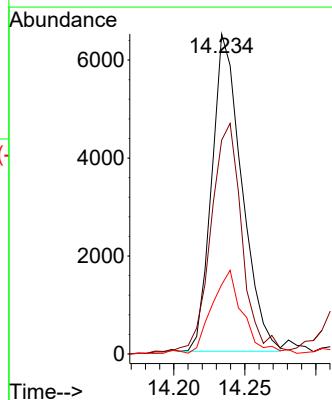
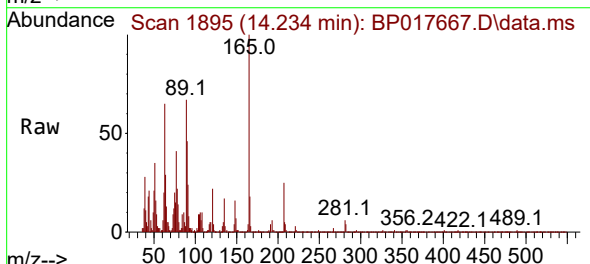
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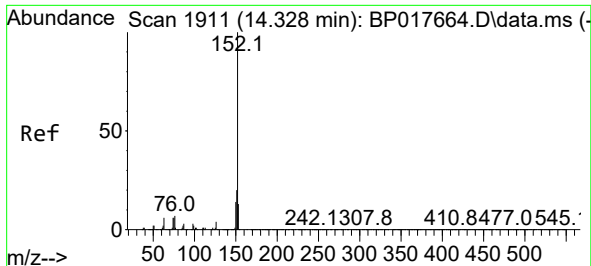
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#48
2,6-Dinitrotoluene
Concen: 3.099 ng/ul
RT: 14.234 min Scan# 1895
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion:165 Resp: 9533
Ion Ratio Lower Upper
165 100
89 66.8 49.0 73.4
121 21.6 16.5 24.7





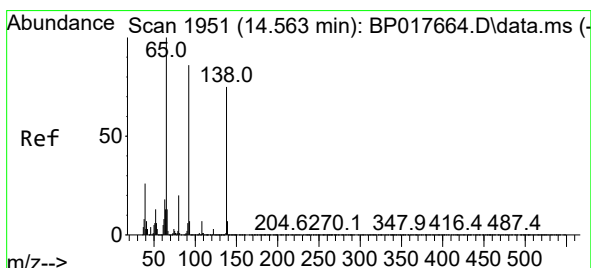
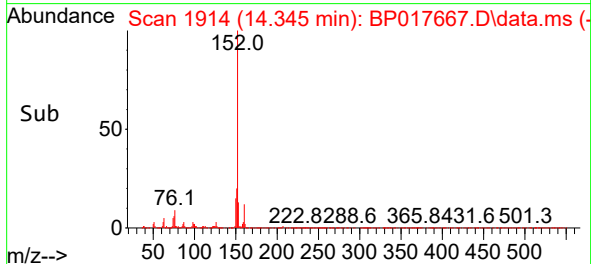
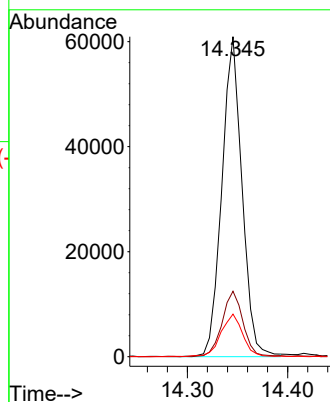
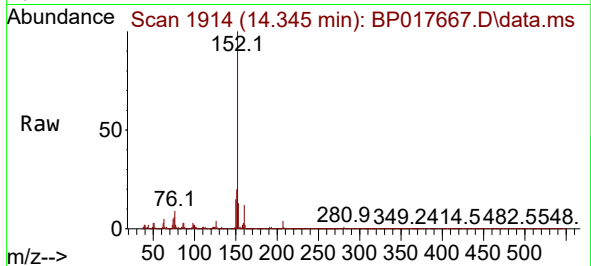
#50
Acenaphthylene
Concen: 4.149 ng/ul
RT: 14.345 min Scan# 1914
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:152 Resp: 85079
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 13.3 10.5 15.7

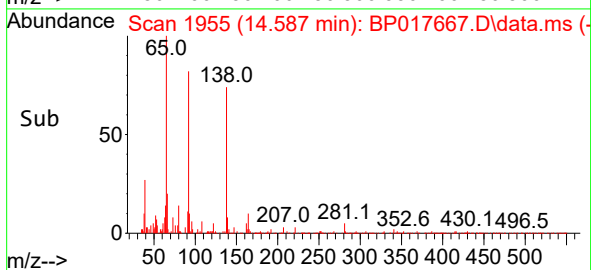
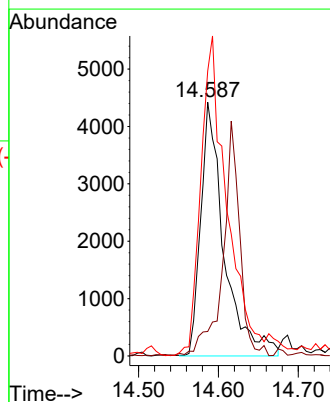
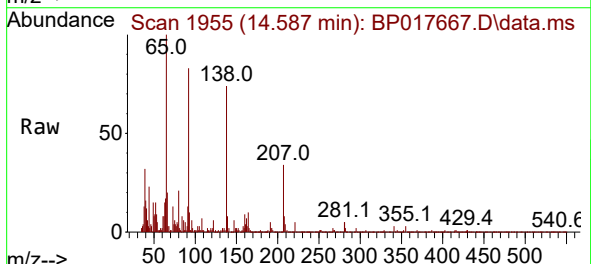
Manual Integrations
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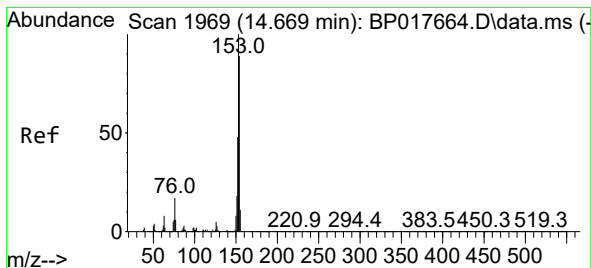
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#51
3-Nitroaniline
Concen: 2.891 ng/ul m
RT: 14.587 min Scan# 1955
Delta R.T. 0.024 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion:138 Resp: 8970
Ion Ratio Lower Upper
138 100
108 9.7 8.2 12.2
92 112.3 99.0 148.6





#52

Acenaphthene

Concen: 4.105 ng/ul

RT: 14.687 min Scan# 1969

Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNP_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

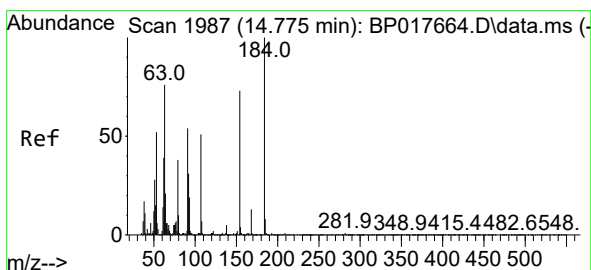
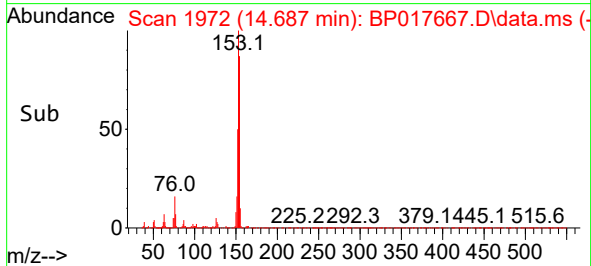
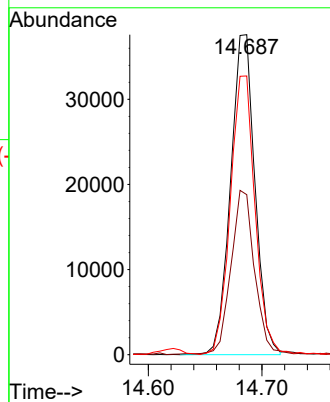
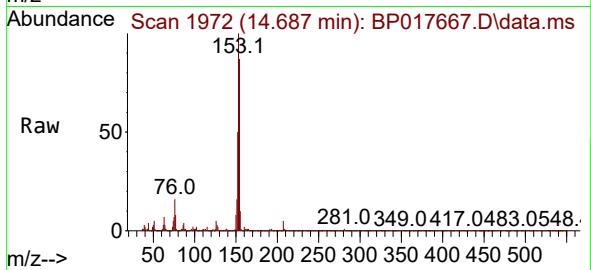
Tgt Ion:153 Resp: 55984
 Ion Ratio Lower Upper
 153 100
 152 50.0 38.9 58.3
 154 87.1 71.6 107.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#53

2,4-Dinitrophenol

Concen: 4.110 ng/ul

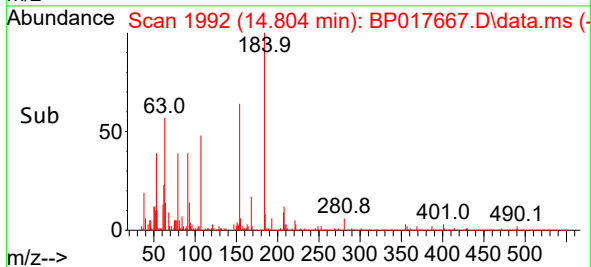
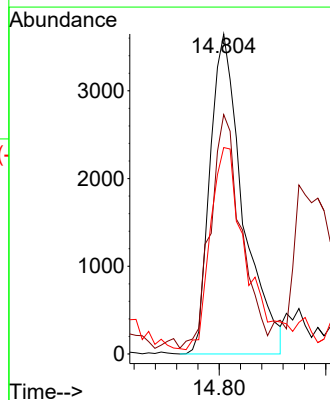
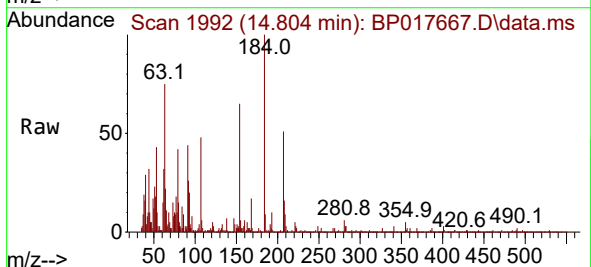
RT: 14.804 min Scan# 1992

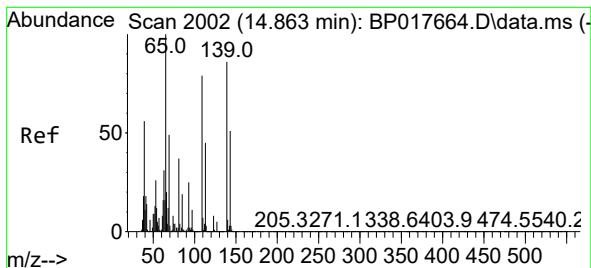
Delta R.T. 0.029 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

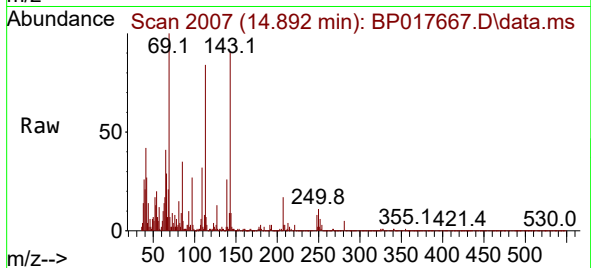
Tgt Ion:184 Resp: 7809
 Ion Ratio Lower Upper
 184 100
 63 74.8 61.4 92.0
 154 64.5 54.8 82.2





#55
4-Nitrophenol
Concen: 3.060 ng/ul m
RT: 14.892 min Scan# 2007
Delta R.T. 0.029 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

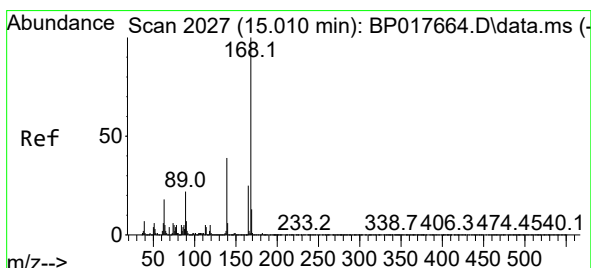
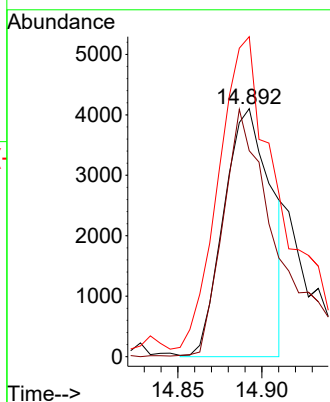
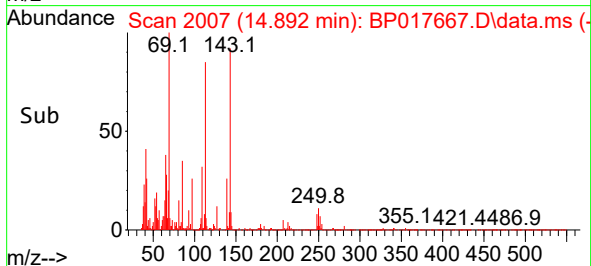
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:109 Resp: 8070
Ion Ratio Lower Upper
109 100
139 83.1 90.5 135.7
65 129.1 95.7 143.5

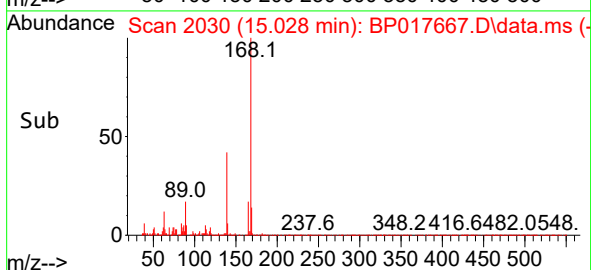
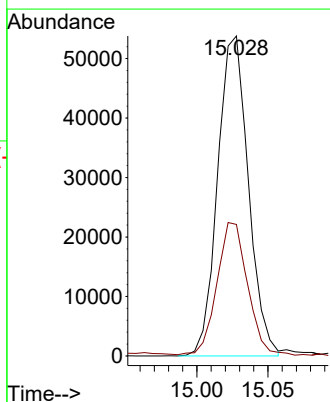
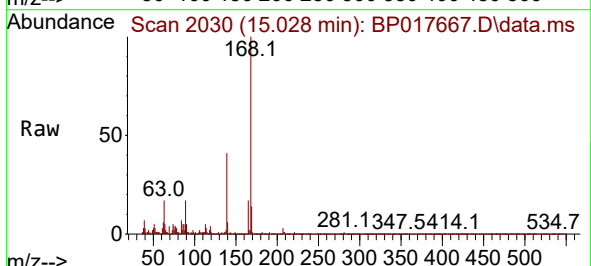
Manual Integrations
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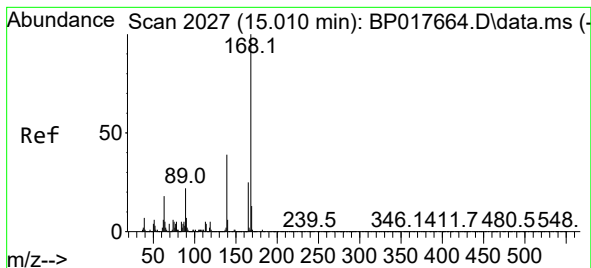
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#56
Dibenzofuran
Concen: 4.131 ng/ul
RT: 15.028 min Scan# 2030
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

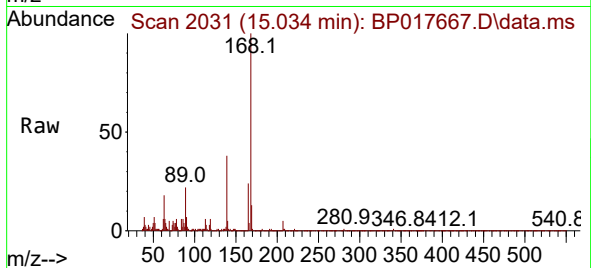
Tgt Ion:168 Resp: 80826
Ion Ratio Lower Upper
168 100
139 41.1 30.5 45.7





#57
2,4-Dinitrotoluene
Concen: 3.164 ng/ul
RT: 15.034 min Scan# 2027
Delta R.T. 0.024 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

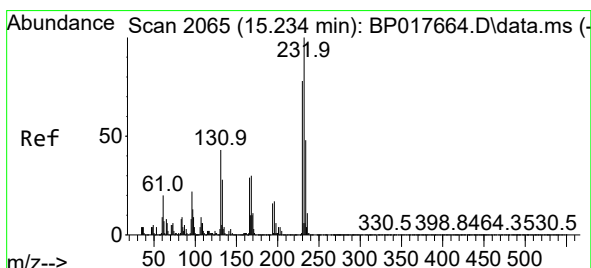
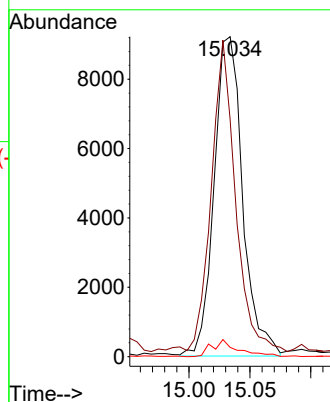
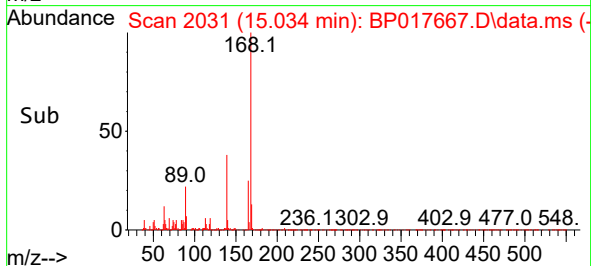
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:165 Resp: 1502
Ion Ratio Lower Upper
165 100
63 74.1 52.7 79.1
182 2.9 2.2 3.4

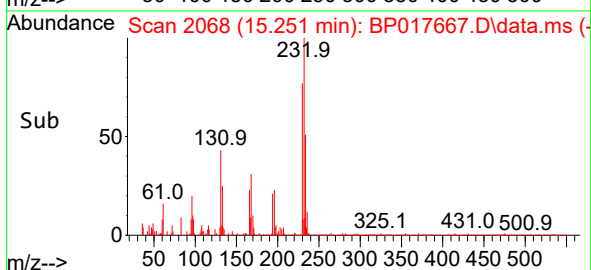
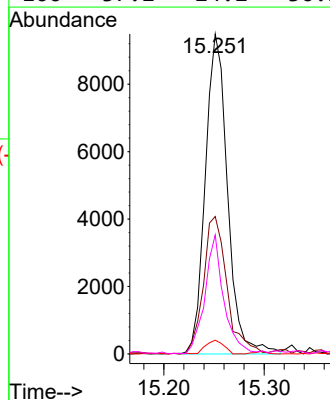
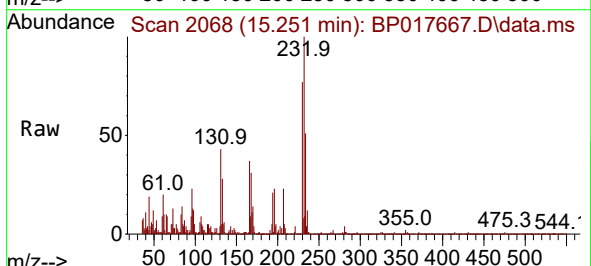
Manual Integrations
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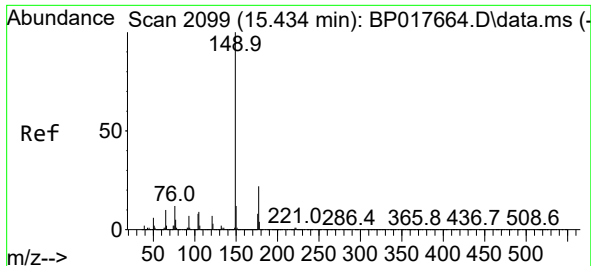
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#58
2,3,4,6-Tetrachlorophenol
Concen: 3.440 ng/ul
RT: 15.251 min Scan# 2068
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion:232 Resp: 14668
Ion Ratio Lower Upper
232 100
131 43.0 33.6 50.4
130 4.3 2.0 3.0#
166 37.2 24.2 36.2#





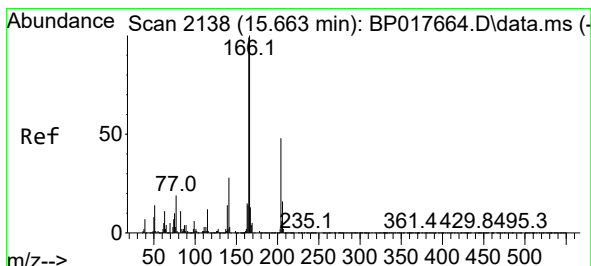
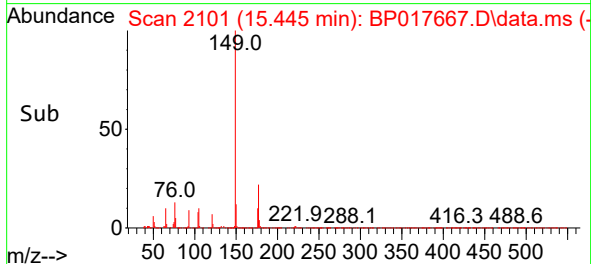
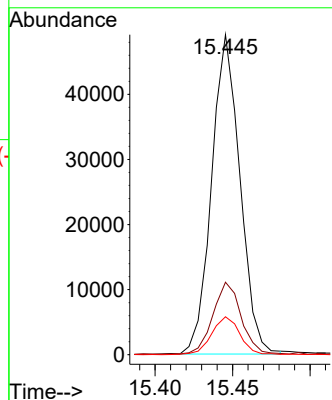
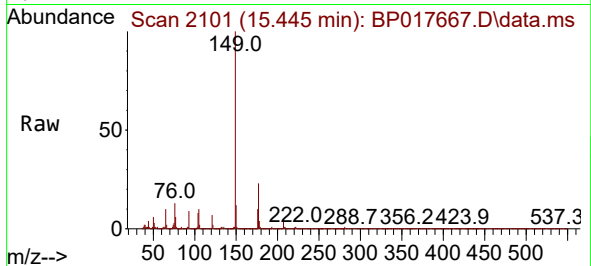
#59
Diethylphthalate
Concen: 3.745 ng/ul
RT: 15.445 min Scan# 2101
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:149 Resp: 62452
Ion Ratio Lower Upper
149 100
177 22.7 17.9 26.9
150 11.9 10.1 15.1

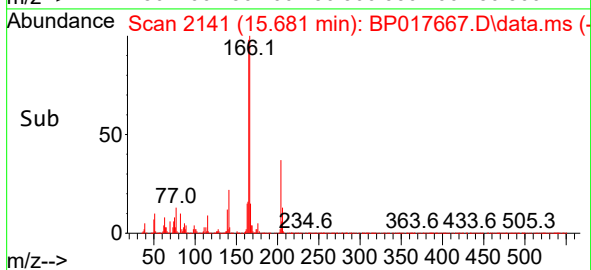
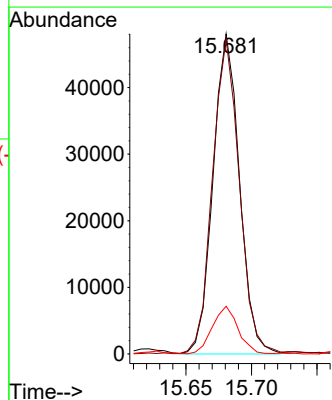
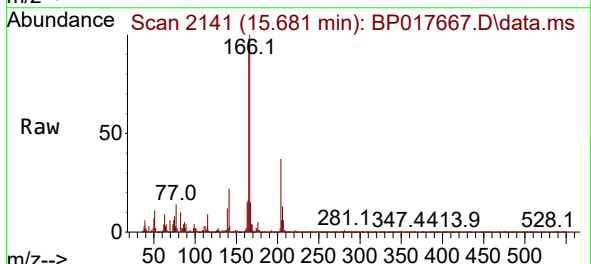
Manual Integrations
APPROVED

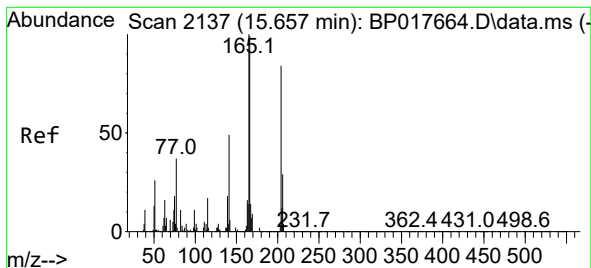
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#61
Fluorene
Concen: 4.171 ng/ul
RT: 15.681 min Scan# 2141
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

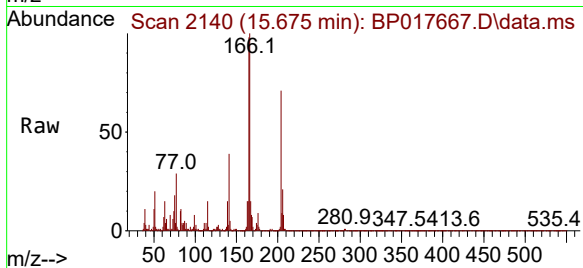
Tgt Ion:166 Resp: 67293
Ion Ratio Lower Upper
166 100
165 98.4 79.6 119.4
167 14.9 11.1 16.7





#62
4-Chlorophenyl-phenylether
Concen: 4.202 ng/ul
RT: 15.675 min Scan# 2137
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

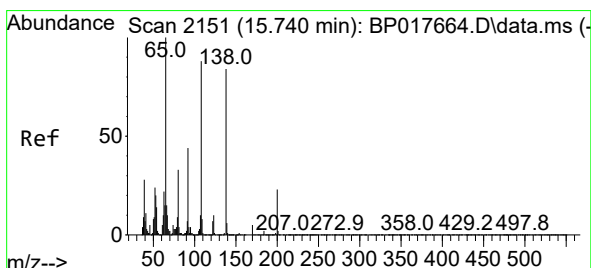
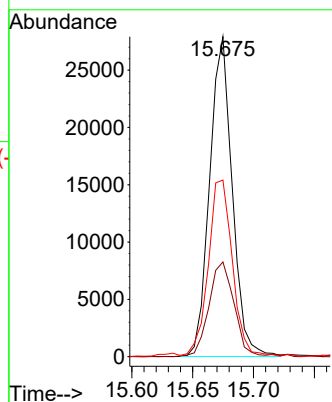
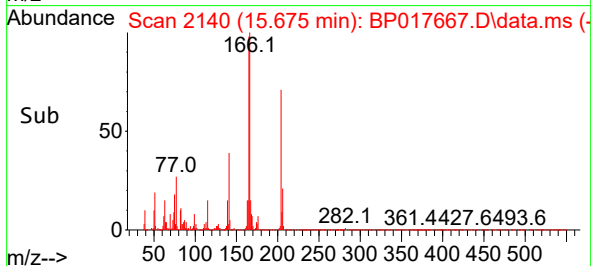
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



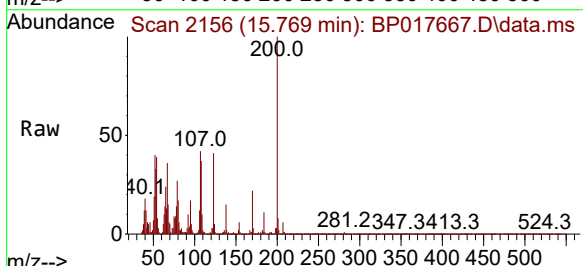
Tgt Ion:204 Resp: 3604
Ion Ratio Lower Upper
204 100
206 29.6 26.6 40.0
141 55.2 43.9 65.9

Manual Integrations
APPROVED

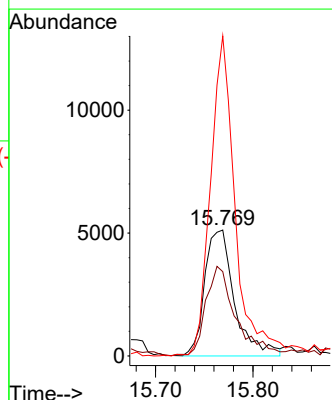
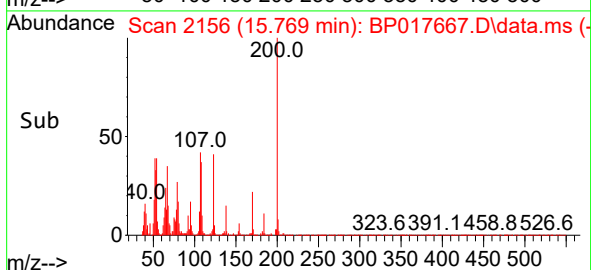
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

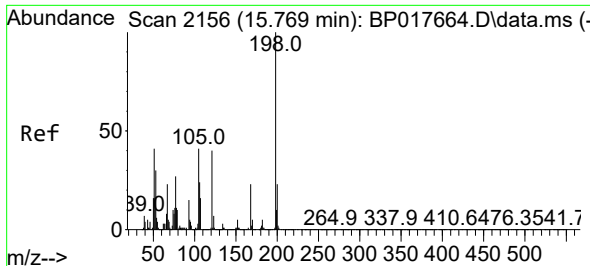


#63
4-Nitroaniline
Concen: 3.534 ng/ul m
RT: 15.769 min Scan# 2156
Delta R.T. 0.029 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42



Tgt Ion:138 Resp: 10896
Ion Ratio Lower Upper
138 100
92 67.0 43.0 64.6#
108 254.2 82.2 123.4#





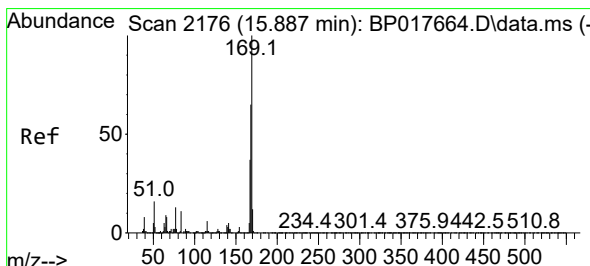
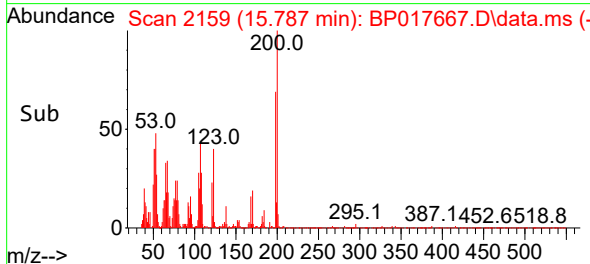
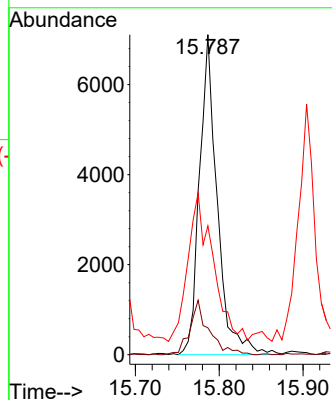
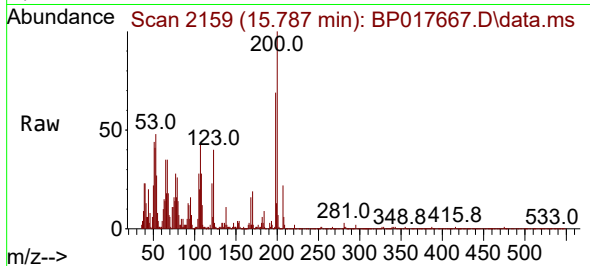
#66
4,6-Dinitro-2-methylphenol
Concen: 3.154 ng/ul m
RT: 15.787 min Scan# 2156
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:198 Resp: 1052
Ion Ratio Lower Upper
198 100
182 8.4 3.4 5.0
77 40.3 23.0 34.6

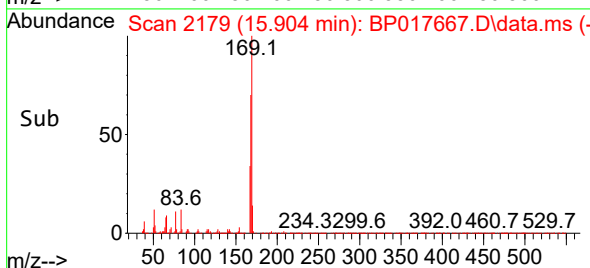
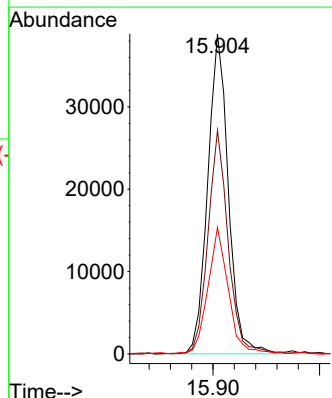
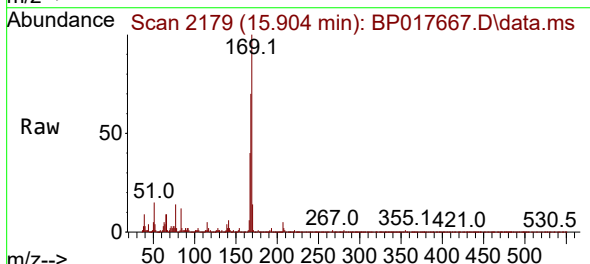
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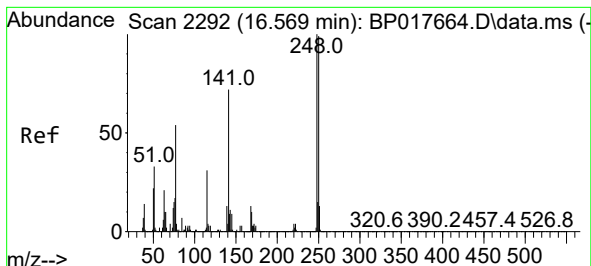
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#67
N-Nitrosodiphenylamine
Concen: 3.874 ng/ul
RT: 15.904 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion:169 Resp: 52178
Ion Ratio Lower Upper
169 100
168 69.9 53.3 79.9
167 39.6 29.6 44.4





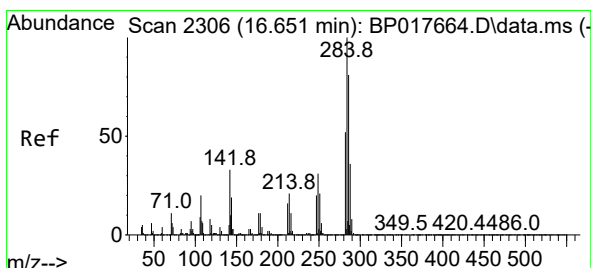
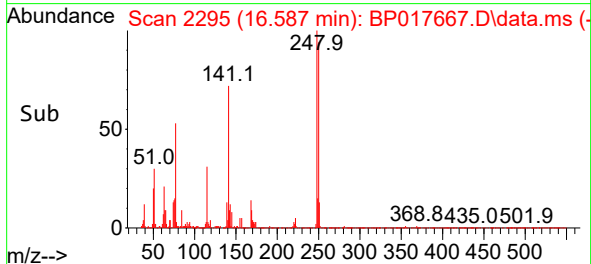
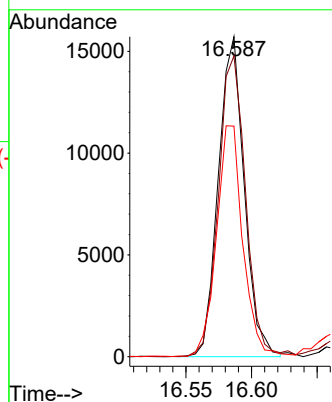
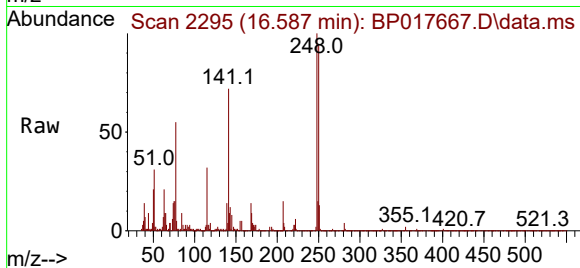
#68
4-Bromophenyl-phenylether
Concen: 3.969 ng/ul
RT: 16.587 min Scan# 2157
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:248 Resp: 2157
Ion Ratio Lower Upper
248 100
250 94.0 75.9 113.9
141 72.1 57.2 85.8

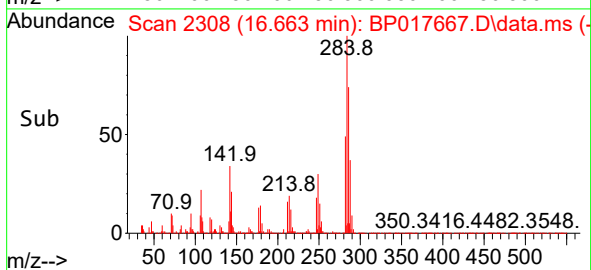
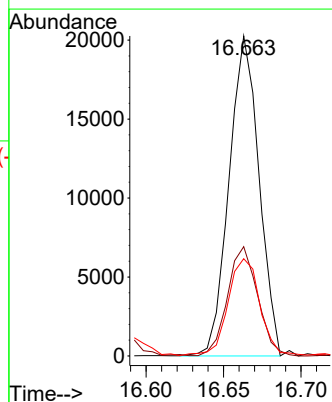
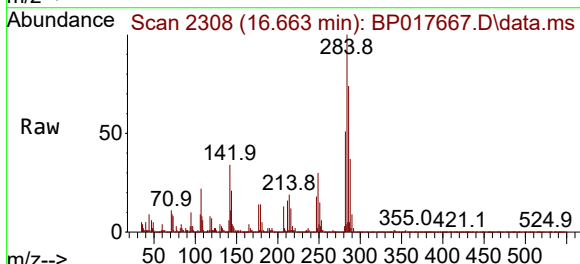
Manual Integrations
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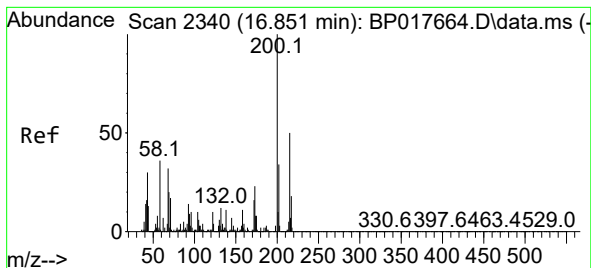
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#69
Hexachlorobenzene
Concen: 4.207 ng/ul
RT: 16.663 min Scan# 2308
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion:284 Resp: 27212
Ion Ratio Lower Upper
284 100
142 34.2 25.8 38.6
249 30.4 24.9 37.3





#70

Atrazine

Concen: 3.258 ng/ul

RT: 16.869 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

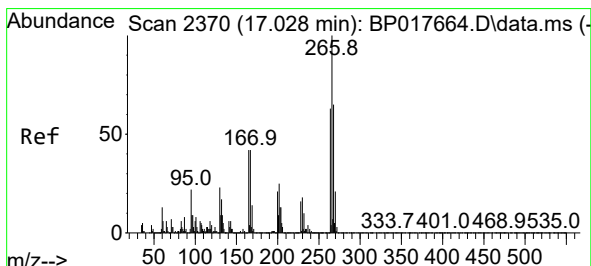
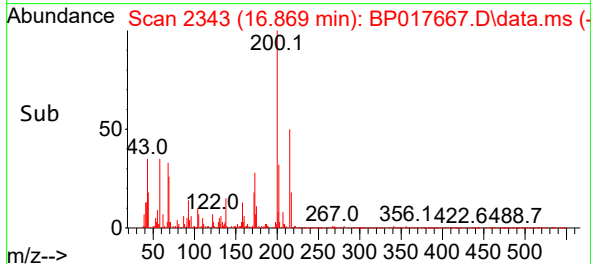
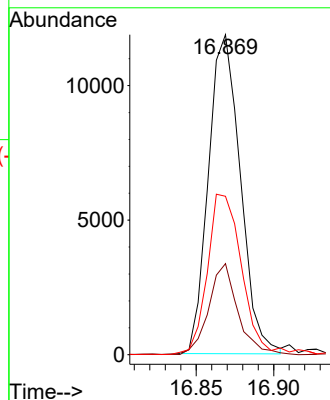
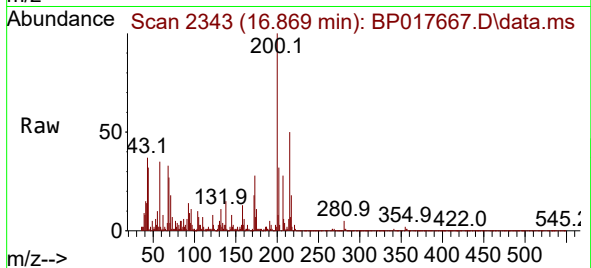
Tgt Ion:200 Resp: 16985
Ion Ratio Lower Upper
200 100
173 28.4 19.9 29.9
215 49.5 37.8 56.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#71

Pentachlorophenol

Concen: 3.848 ng/ul

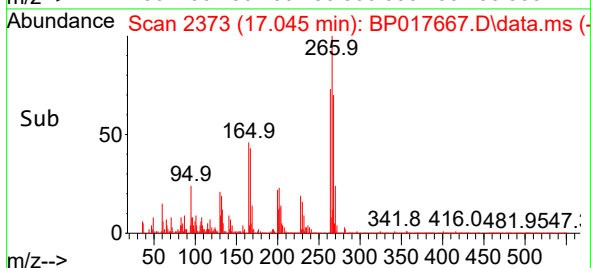
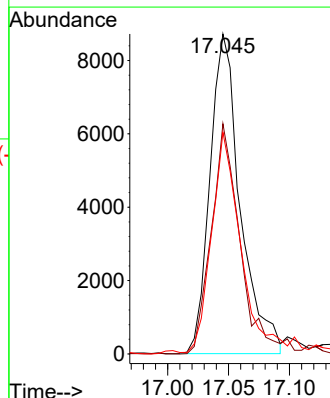
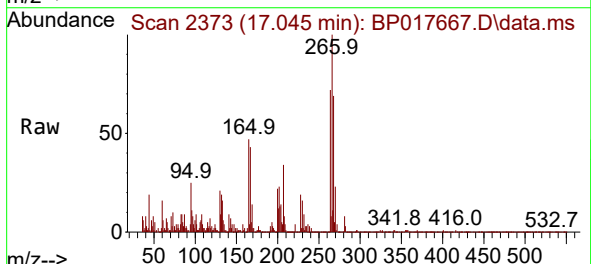
RT: 17.045 min Scan# 2373

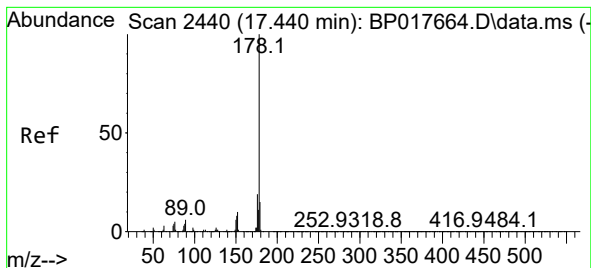
Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:266 Resp: 15074
Ion Ratio Lower Upper
266 100
264 72.0 49.2 73.8
268 69.3 51.8 77.6





#72

Phenanthrene

Concen: 4.152 ng/ul

RT: 17.451 min Scan# 2442

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

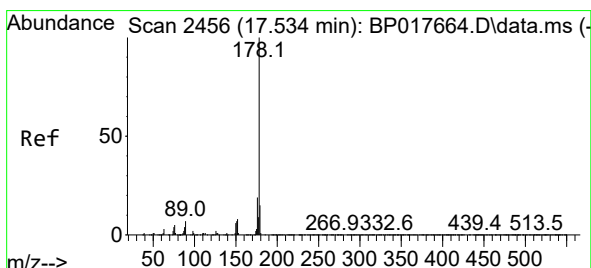
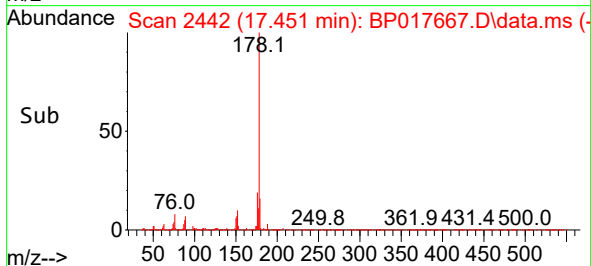
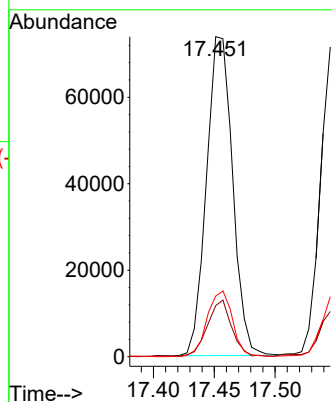
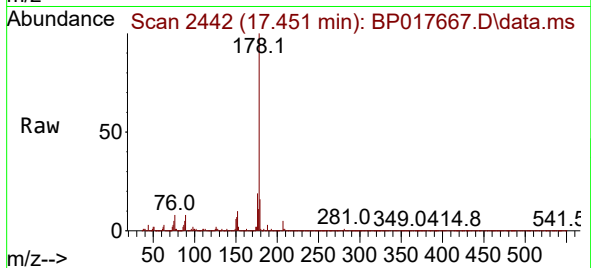
Tgt Ion:	178	Resp:	110119
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.1	18.1
176	19.0	15.3	22.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#74

Anthracene

Concen: 4.107 ng/ul

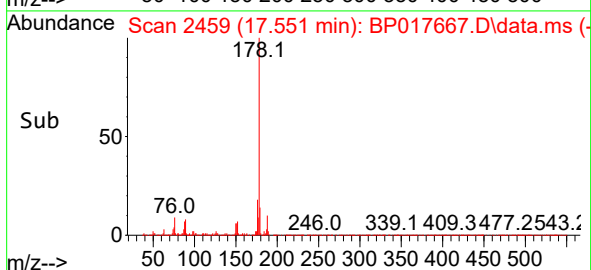
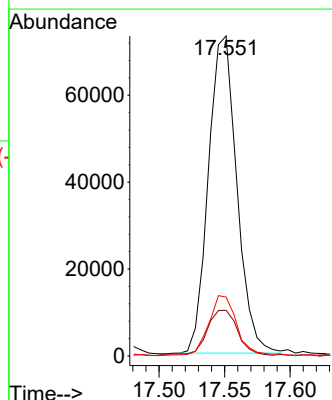
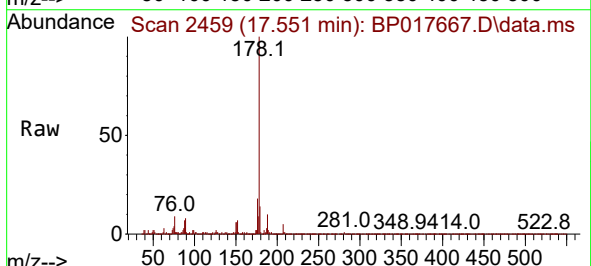
RT: 17.551 min Scan# 2459

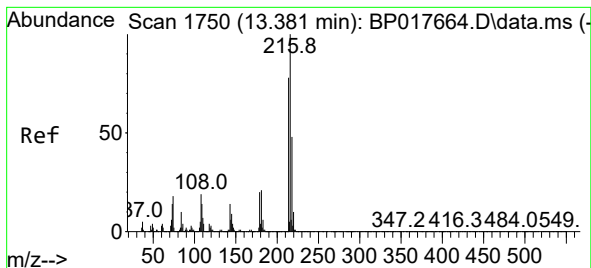
Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:	178	Resp:	110175
Ion Ratio	Lower	Upper	
178	100		
179	14.2	12.3	18.5
176	18.4	14.6	22.0





#75

1,2,3,4-Tetrachlorobenzene

Concen: 4.085 ng/uL

RT: 13.398 min Scan# 11

Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

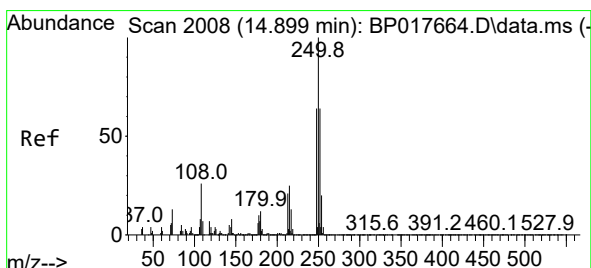
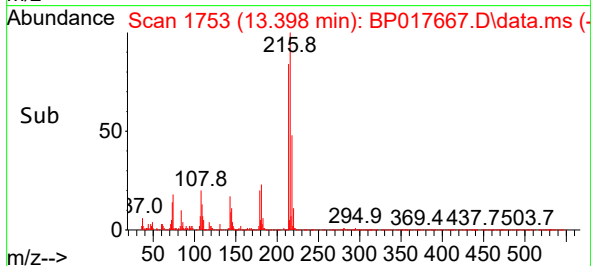
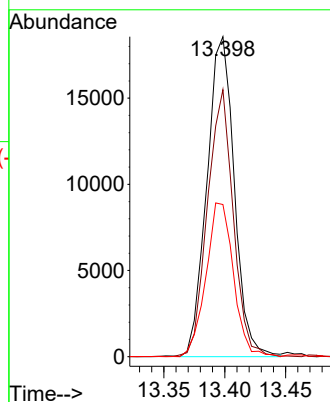
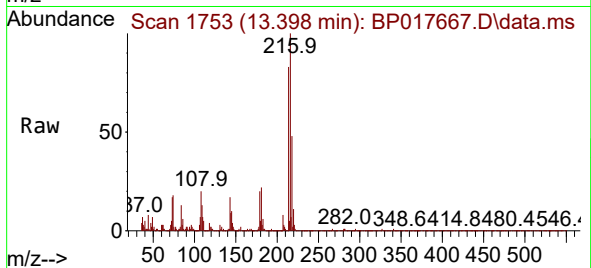
Tgt Ion:	216	Resp:	29054
Ion Ratio	Lower	Upper	
216	100		
214	83.5	62.9	94.3
218	47.6	38.6	58.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#76

Pentachlorobenzene

Concen: 4.586 ng/uL

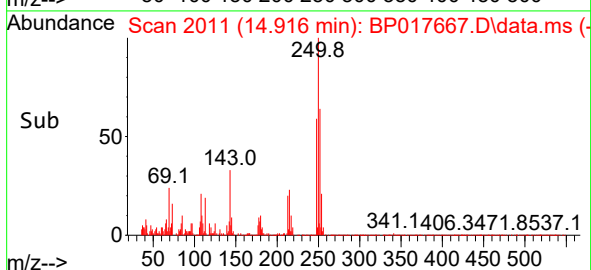
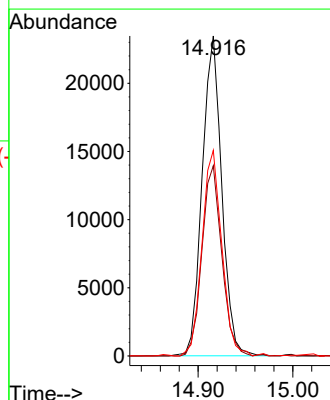
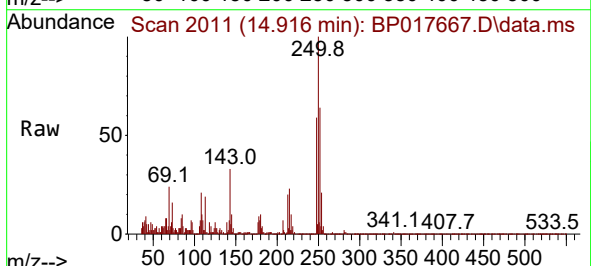
RT: 14.916 min Scan# 2011

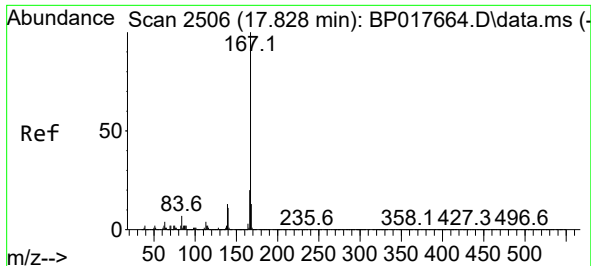
Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:	250	Resp:	33474
Ion Ratio	Lower	Upper	
250	100		
248	59.4	50.8	76.2
252	64.2	49.9	74.9





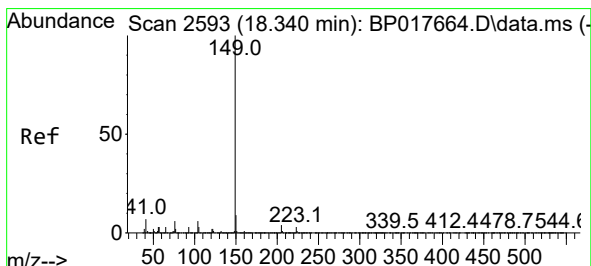
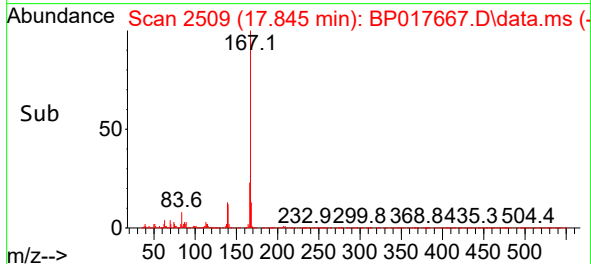
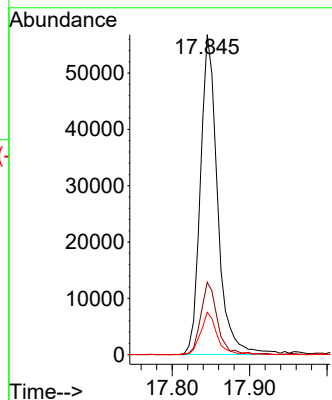
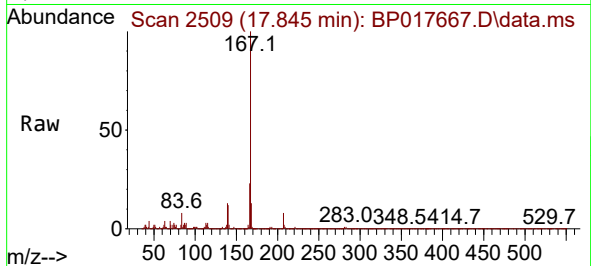
#77
 Carbazole
 Concen: 3.602 ng/ul
 RT: 17.845 min Scan# 2509
 Delta R.T. 0.018 min
 Lab File: BP017667.D
 Acq: 13 Oct 2023 15:42

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Tgt Ion:167 Resp: 87512
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.0 25.6
 139 13.2 10.2 15.2

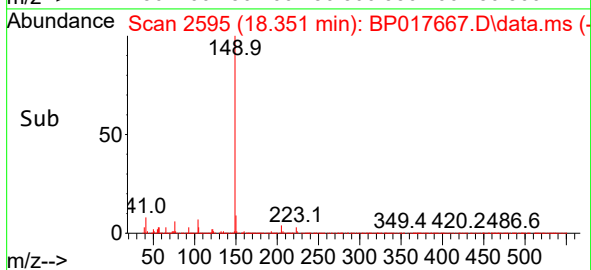
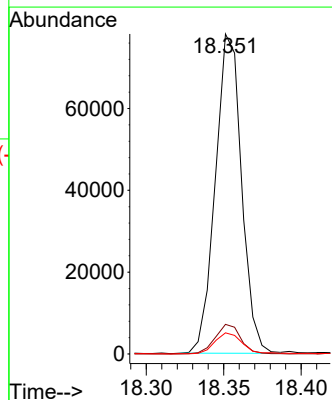
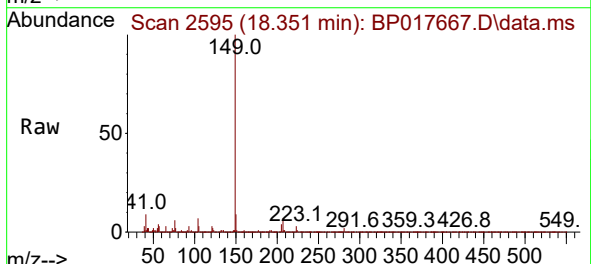
Manual Integrations
 APPROVED

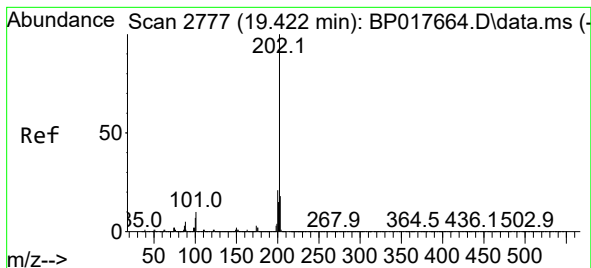
Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023



#78
 Di-n-butylphthalate
 Concen: 3.066 ng/ul
 RT: 18.351 min Scan# 2595
 Delta R.T. 0.012 min
 Lab File: BP017667.D
 Acq: 13 Oct 2023 15:42

Tgt Ion:149 Resp: 91721
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 6.6 4.6 6.8





#80

Fluoranthene

Concen: 3.811 ng/ul

RT: 19.439 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

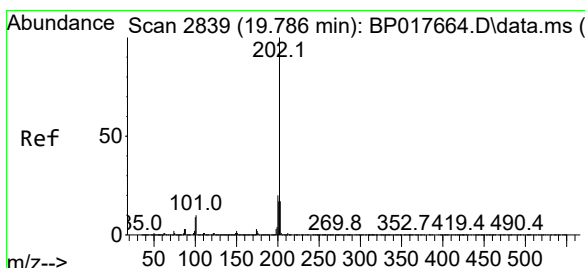
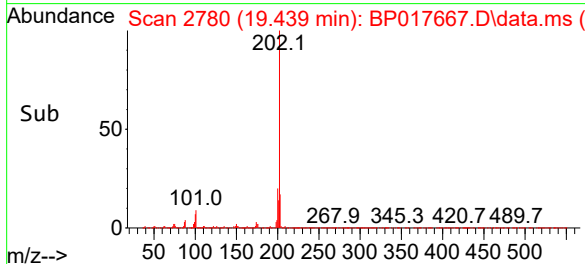
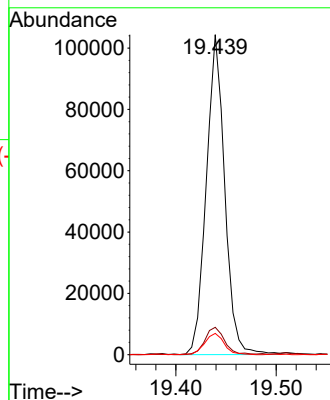
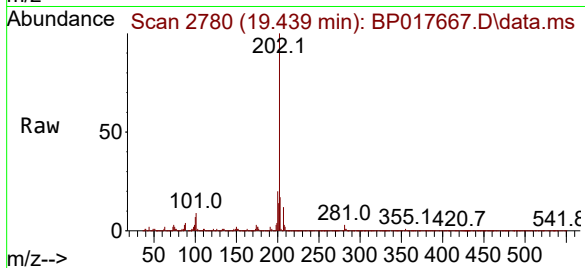
Tgt Ion:	202	Resp:	13380
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.6
100	6.6	5.8	8.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#82

Pyrene

Concen: 4.051 ng/ul

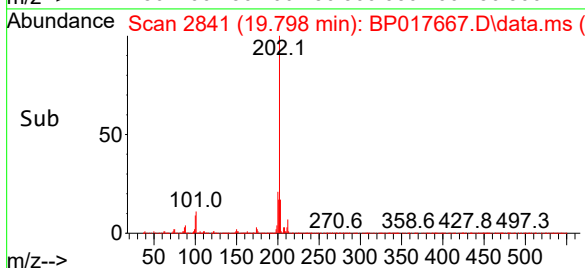
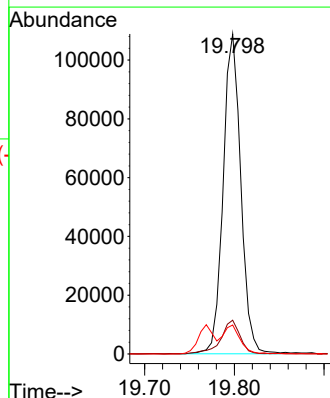
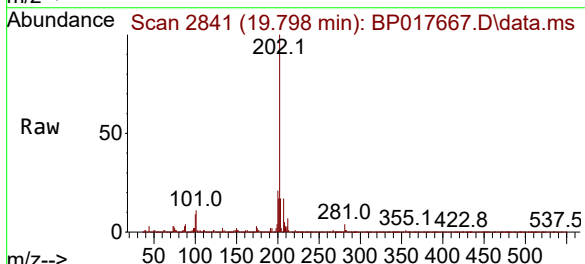
RT: 19.798 min Scan# 2841

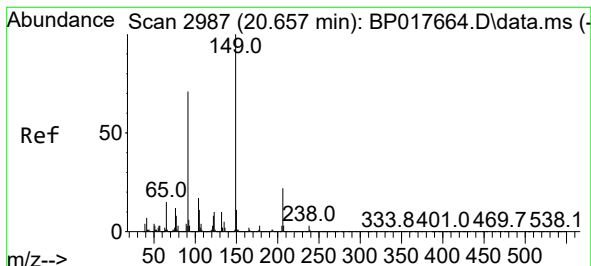
Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:	202	Resp:	148580
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.8	13.2
100	9.1	7.4	11.0





#83

Butylbenzylphthalate

Concen: 2.682 ng/ul

RT: 20.669 min Scan# 2987

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

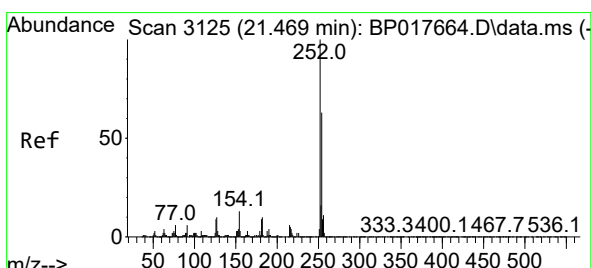
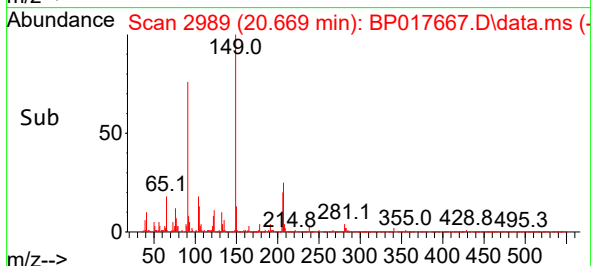
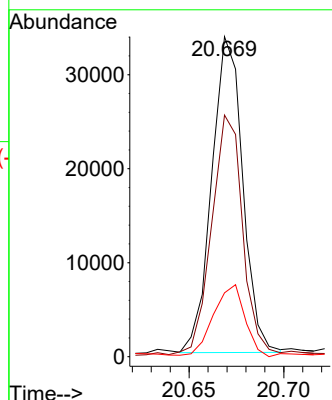
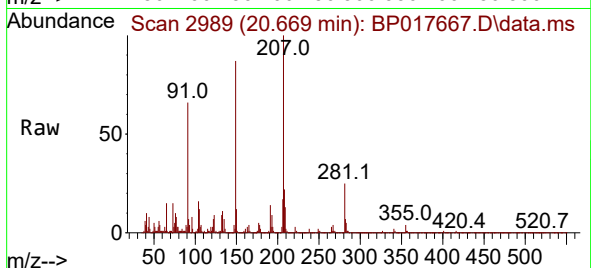
Tgt Ion:	149	Resp:	38270
Ion Ratio	Lower	Upper	
149	100		
91	75.5	59.6	89.4
206	20.0	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#84

3,3'-Dichlorobenzidine

Concen: 2.951 ng/ul

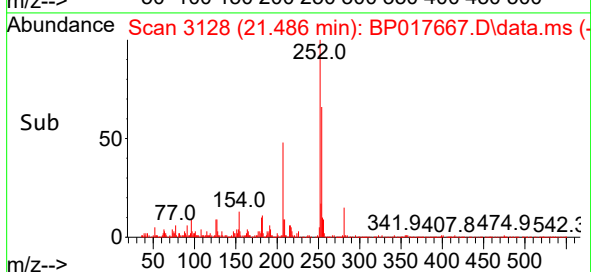
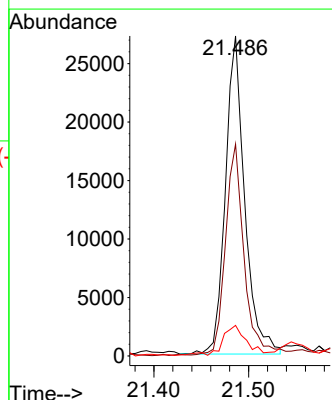
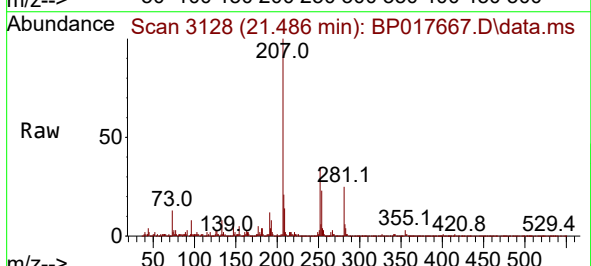
RT: 21.486 min Scan# 3128

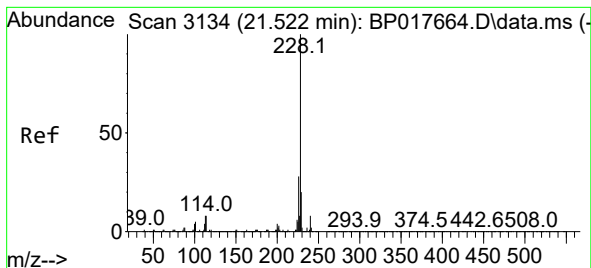
Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:	252	Resp:	38581
Ion Ratio	Lower	Upper	
252	100		
254	66.2	51.8	77.6
126	9.6	8.1	12.1





#85

Benzo(a)anthracene

Concen: 3.923 ng/ul

RT: 21.539 min Scan# 3116

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

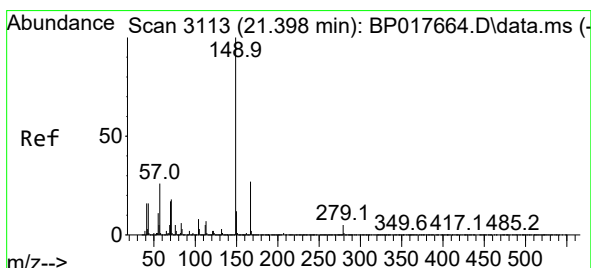
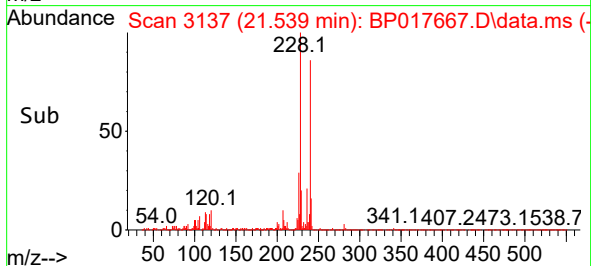
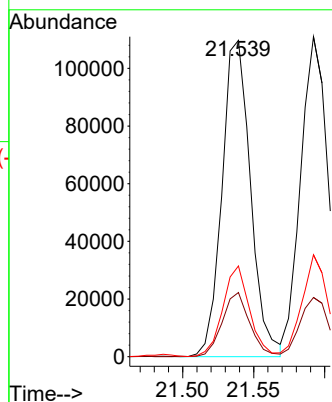
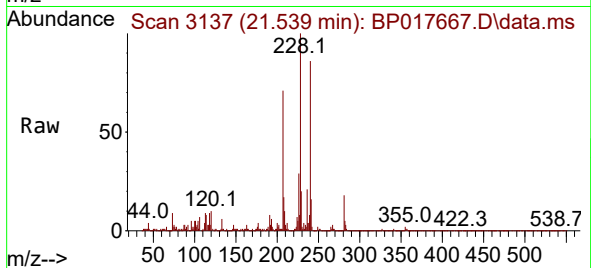
Tgt Ion:228 Resp: 153549
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.4 23.2
 226 28.7 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.481 ng/ul

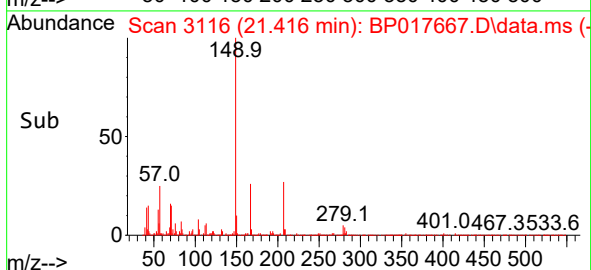
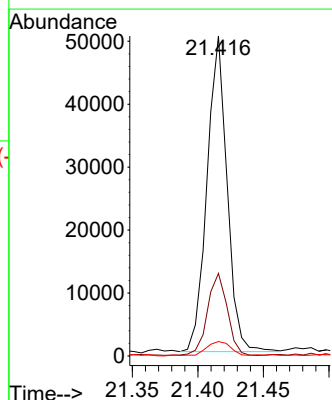
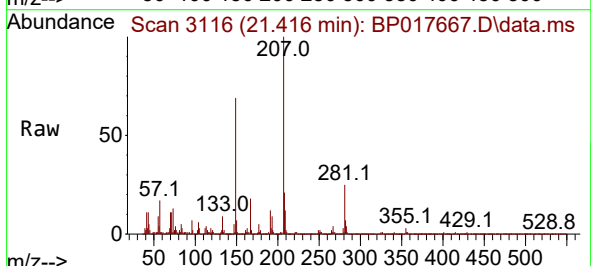
RT: 21.416 min Scan# 3116

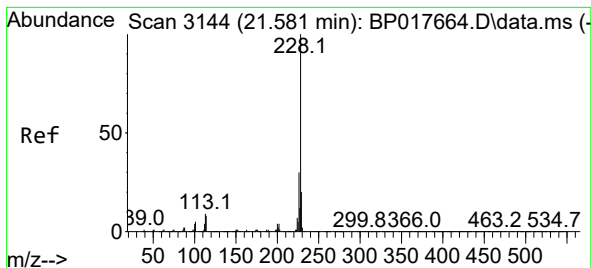
Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:149 Resp: 53533
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.7 32.5
 279 4.5 3.7 5.5





#87

Chrysene

Concen: 4.156 ng/ul

RT: 21.592 min Scan# 3144

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

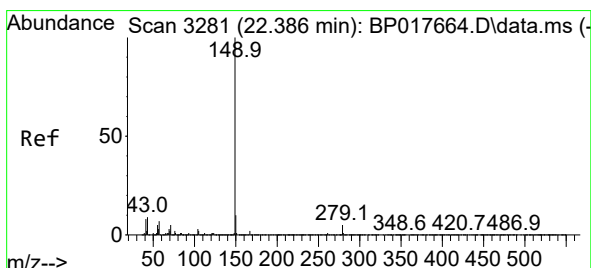
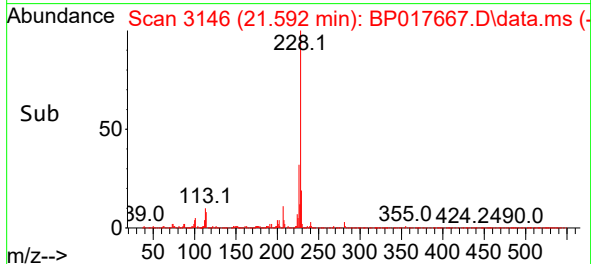
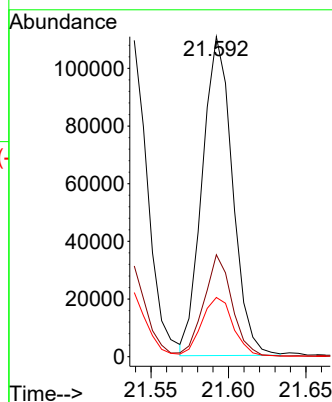
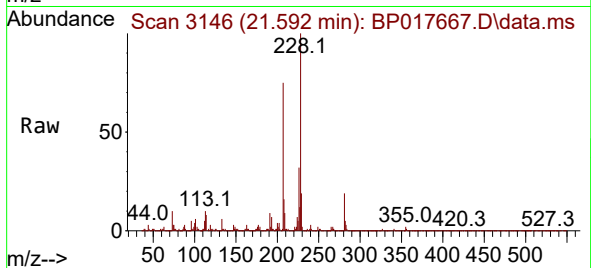
Tgt Ion:228 Resp: 150117
 Ion Ratio Lower Upper
 228 100
 226 31.8 24.2 36.4
 229 18.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#89

Di-n-octyl phthalate

Concen: 2.379 ng/ul

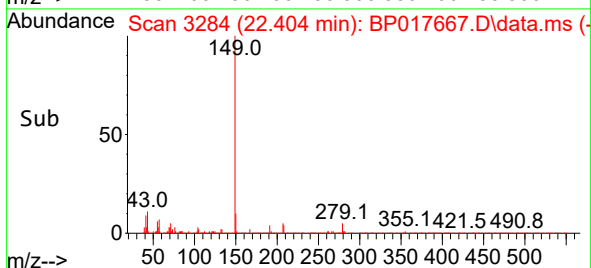
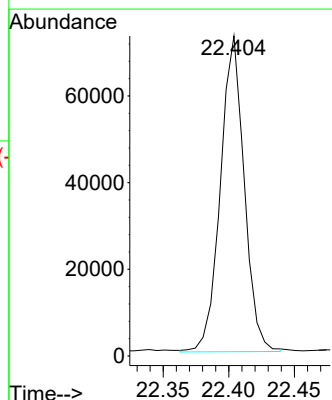
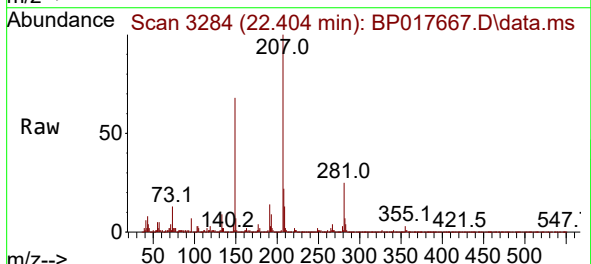
RT: 22.404 min Scan# 3284

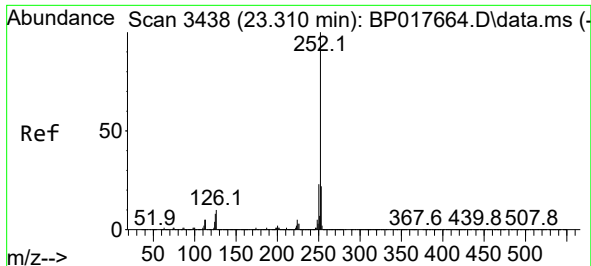
Delta R.T. 0.018 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

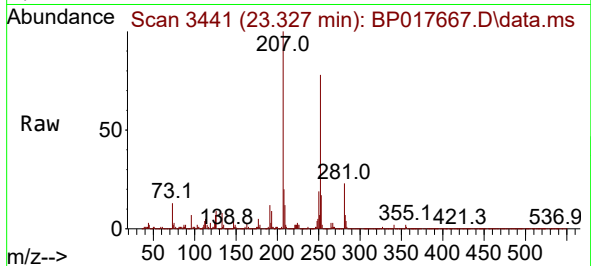
Tgt Ion:149 Resp: 91971





#90
Benzo(b)fluoranthene
Concen: 4.013 ng/ul
RT: 23.327 min Scan# 3438
Delta R.T. 0.018 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

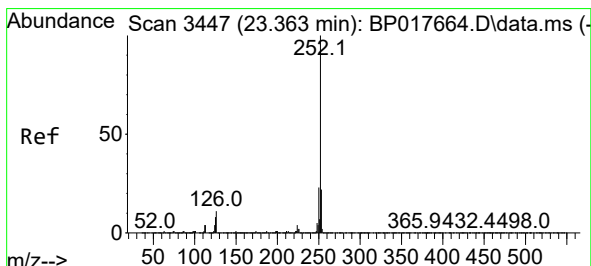
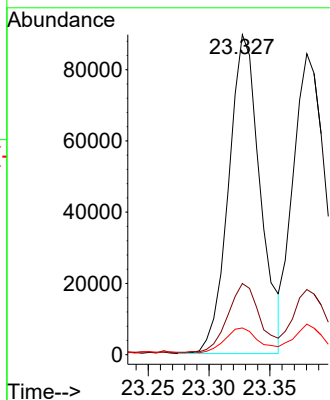
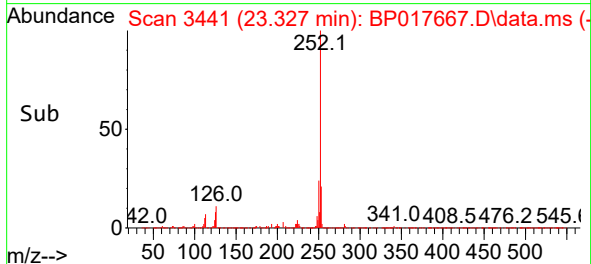
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:252 Resp: 16178
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 8.4 6.9 10.3

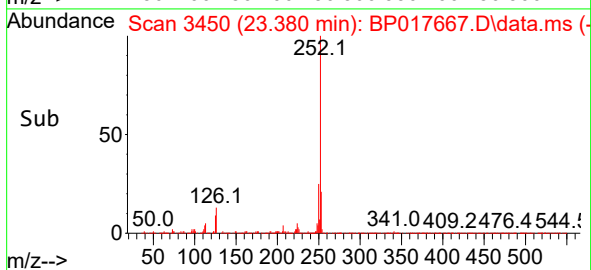
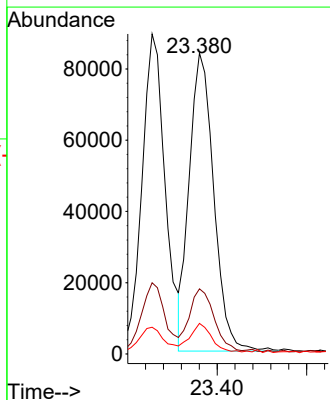
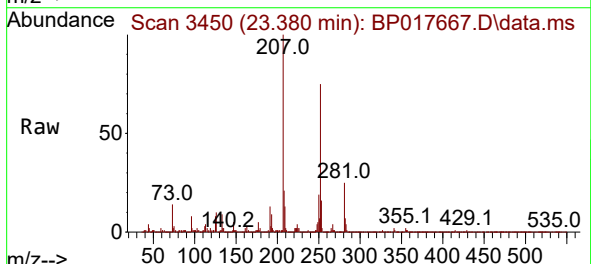
Manual Integrations
APPROVED

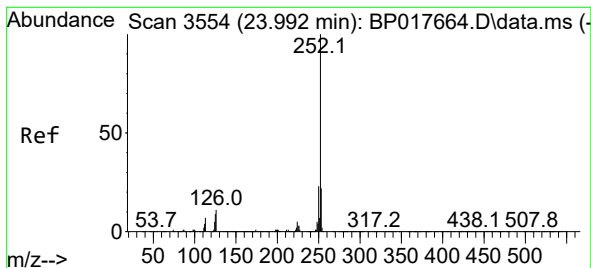
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#91
Benzo(k)fluoranthene
Concen: 3.957 ng/ul m
RT: 23.380 min Scan# 3450
Delta R.T. 0.012 min
Lab File: BP017667.D
Acq: 13 Oct 2023 15:42

Tgt Ion:252 Resp: 158712
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 10.2 6.3 9.5#





#93

Benzo(a)pyrene

Concen: 3.946 ng/ul

RT: 24.010 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

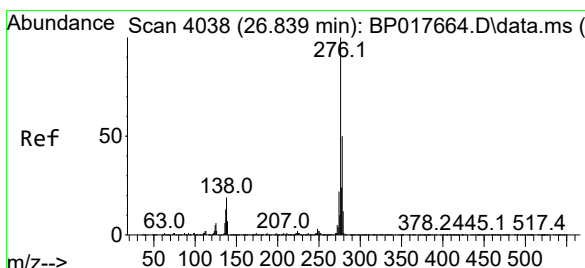
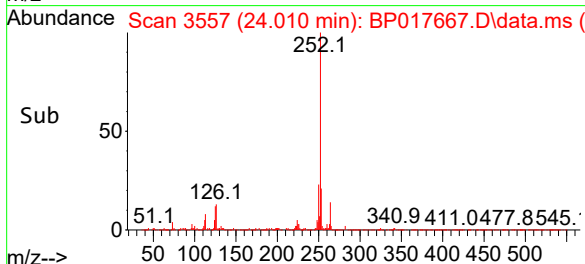
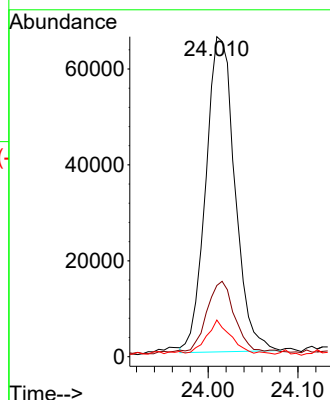
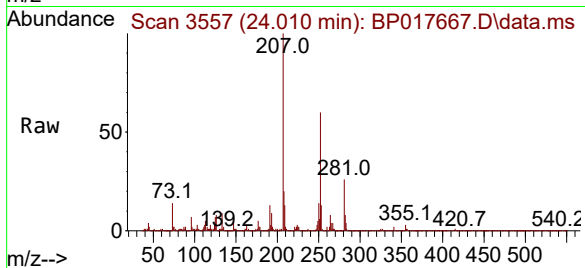
Tgt Ion:	252	Resp:	148130
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	11.5	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.032 ng/ul

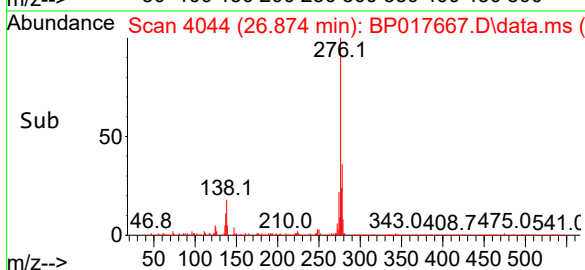
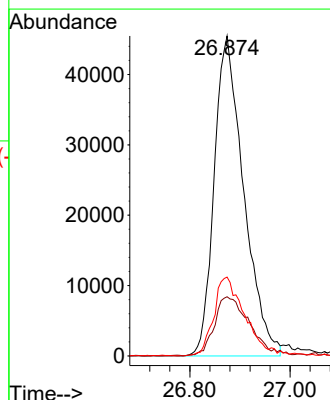
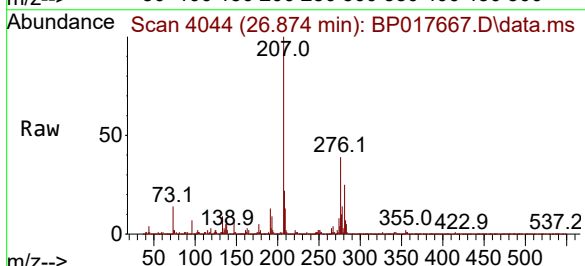
RT: 26.874 min Scan# 4044

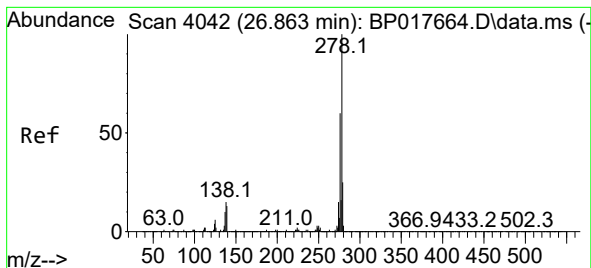
Delta R.T. 0.035 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:	276	Resp:	185653
Ion Ratio	Lower	Upper	
276	100		
138	18.5	14.6	21.8
277	24.6	19.3	28.9





#95

Dibenzo(a,h)anthracene

Concen: 4.035 ng/ul

RT: 26.904 min Scan# 4042

Delta R.T. 0.035 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT2-2023-03

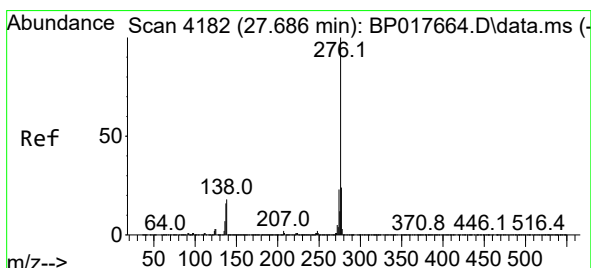
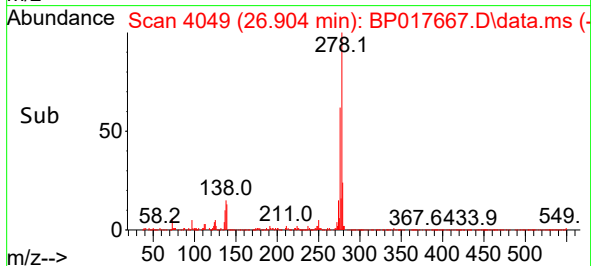
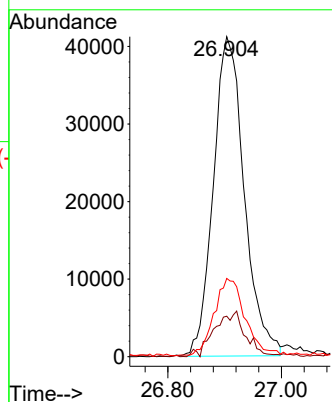
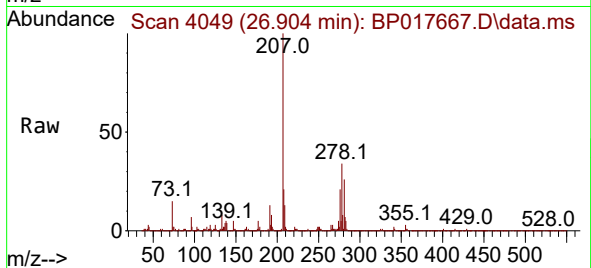
Tgt Ion:278 Resp: 155680
 Ion Ratio Lower Upper
 278 100
 139 12.7 10.8 16.2
 279 24.5 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#96

Benzo(g,h,i)perylene

Concen: 4.228 ng/ul

RT: 27.727 min Scan# 4189

Delta R.T. 0.029 min

Lab File: BP017667.D

Acq: 13 Oct 2023 15:42

Tgt Ion:276 Resp: 154807
 Ion Ratio Lower Upper
 276 100
 138 22.0 14.1 21.1#
 277 24.6 18.7 28.1

