

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102023\
 Data File : BP017742.D
 Acq On : 20 Oct 2023 15:33
 Operator : MA/JU
 Sample : 04696-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Oct 20 22:46:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	110860	20.000	ng/u1	0.01
20) Naphthalene-d8	10.728	136	436911	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	267434	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.392	188	567615	20.000	ng/u1	0.02
79) Chrysene-d12	21.533	240	473510	20.000	ng/u1	0.02
88) Perylene-d12	24.098	264	479762	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	18418	6.181	ng/uL	0.00
4) Pyridine-d5	3.699	84	210215	26.943	ng/u1	0.00
7) Phenol-d5	7.058	99	225717	24.467	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.240	67	154323	27.087	ng/u1	0.00
11) 2-Chlorophenol-d4	7.416	132	184453	24.515	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	167810	23.164	ng/u1	0.01
21) Nitrobenzene-d5	9.104	128	82889	23.413	ng/u1	0.00
24) 2-Nitrophenol-d4	9.822	143	88981	22.747	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.351	165	163249	21.275	ng/u1	0.01
31) 4-Chloroaniline-d4	10.910	131	207394	20.653	ng/u1	0.02
46) Dimethylphthalate-d6	14.016	166	517849	23.067	ng/u1	0.01
49) Acenaphthylene-d8	14.298	160	583237	23.295	ng/u1	0.02
54) 4-Nitrophenol-d4	14.845	143	50127	15.670	ng/u1	0.02
60) Fluorene-d10	15.604	176	454413	23.415	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.751	200	64492	17.249	ng/u1	0.02
73) Anthracene-d10	17.492	188	659337	22.731	ng/u1	0.02
81) Pyrene-d10	19.751	212	783313	26.386	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.927	264	666943	24.959	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	3567	1.128	ng/uL#	90
5) Pyridine	3.722	79	32438	4.058	ng/u1#	67
6) Benzaldehyde	7.063	77	26952	5.431	ng/u1	92
8) Phenol	7.087	94	45849	5.041	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.340	93	37911	4.996	ng/u1	94
12) 2-Chlorophenol	7.452	128	34603	4.579	ng/u1	96
13) 2-Methylphenol	8.352	108	29761	4.335	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.416	45	49563m	5.306	ng/u1	
16) Acetophenone	8.757	105	54738	4.806	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.722	70	27915	5.167	ng/u1	91
18) 4-Methylphenol	8.687	108	32823	4.502	ng/u1	95
19) Hexachloroethane	8.957	117	15475	4.457	ng/u1#	79
22) Nitrobenzene	9.146	77	45064	5.112	ng/u1	92
23) Isophorone	9.663	82	74303	4.714	ng/u1	99
25) 2-Nitrophenol	9.857	139	18641	4.464	ng/u1#	85
26) 2,4-Dimethylphenol	9.899	107	30344	3.703	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.151	93	48889	5.014	ng/u1	98
29) 2,4-Dichlorophenol	10.381	162	32403	4.416	ng/u1	96
30) Naphthalene	10.787	128	118899	4.729	ng/u1	100
32) 4-Chloroaniline	10.934	127	41575	4.324	ng/u1	97
33) Hexachlorobutadiene	11.004	225	23397	3.927	ng/u1	98
34) Caprolactam	11.781	113	11847	6.270	ng/u1	94
35) 4-Chloro-3-methylphenol	12.051	107	29613	4.287	ng/u1	89
36) 2-Methylnaphthalene	12.404	142	74921	4.411	ng/u1	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102023\
 Data File : BP017742.D
 Acq On : 20 Oct 2023 15:33
 Operator : MA/JU
 Sample : 04696-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Oct 20 22:46:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	61308	3.530	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.757	216	41257	4.169	ng/ul	97
40) Hexachlorocyclopentadiene	12.698	237	32758	5.762	ng/ul#	97
41) 2,4,6-Trichlorophenol	13.022	196	23215	3.909	ng/ul	96
42) 2,4,5-Trichlorophenol	13.104	196	24375	3.970	ng/ul	95
43) 1,1'-Biphenyl	13.422	154	103514	4.698	ng/ul	99
44) 2-Chloronaphthalene	13.475	162	82338	4.623	ng/ul	97
45) 2-Nitroaniline	13.728	65	16158	3.992	ng/ul	89
47) Dimethylphthalate	14.063	163	103956	4.698	ng/ul	98
48) 2,6-Dinitrotoluene	14.216	165	15412m	3.784	ng/ul	
50) Acenaphthylene	14.322	152	132721	4.732	ng/ul	99
51) 3-Nitroaniline	14.569	138	12799m	3.304	ng/ul	
52) Acenaphthene	14.663	153	89303	4.710	ng/ul	97
53) 2,4-Dinitrophenol	14.775	184	12190	5.332	ng/ul#	76
55) 4-Nitrophenol	14.863	109	13249m	3.913	ng/ul	
56) Dibenzofuran	15.004	168	128359	4.822	ng/ul	97
57) 2,4-Dinitrotoluene	15.010	165	23480	3.906	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.228	232	21034	3.860	ng/ul#	85
59) Diethylphthalate	15.428	149	98612	4.616	ng/ul	98
61) Fluorene	15.657	166	104860	4.796	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.651	204	51975	4.472	ng/ul	94
63) 4-Nitroaniline	15.751	138	13618m	3.898	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.763	198	14801	3.696	ng/ul#	67
67) N-Nitrosodiphenylamine	15.886	169	81529	4.741	ng/ul	98
68) 4-Bromophenyl-phenylether	16.563	248	26833	4.040	ng/ul#	87
69) Hexachlorobenzene	16.645	284	30429	3.991	ng/ul	92
70) Atrazine	16.851	200	19689	3.115	ng/ul	93
71) Pentachlorophenol	17.022	266	25347	5.530	ng/ul	94
72) Phenanthrene	17.433	178	160062	4.814	ng/ul	98
74) Anthracene	17.528	178	154023	4.573	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.375	216	31493	3.307	ng/uL	98
76) Pentachlorobenzene	14.892	250	33000	3.575	ng/uL	98
77) Carbazole	17.828	167	118356	4.158	ng/ul	99
78) Di-n-butylphthalate	18.333	149	144176	4.363	ng/ul	99
80) Fluoranthene	19.422	202	175504	5.145	ng/ul	97
82) Pyrene	19.780	202	192969	5.340	ng/ul#	95
83) Butylbenzylphthalate	20.651	149	55893	4.497	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.469	252	38023	3.554	ng/ul#	96
85) Benzo(a)anthracene	21.516	228	166713	4.631	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.398	149	73598	4.242	ng/ul#	99
87) Chrysene	21.574	228	166448	4.890	ng/ul	100
89) Di-n-octyl phthalate	22.380	149	130781	4.304	ng/ul	100
90) Benzo(b)fluoranthene	23.298	252	157723	4.830	ng/ul	98
91) Benzo(k)fluoranthene	23.357	252	162032m	4.896	ng/ul	
93) Benzo(a)pyrene	23.980	252	147587	4.815	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	26.827	276	171033	4.682	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.856	278	141641	4.647	ng/ul#	94
96) Benzo(g,h,i)perylene	27.674	276	138418	4.703	ng/ul#	95

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

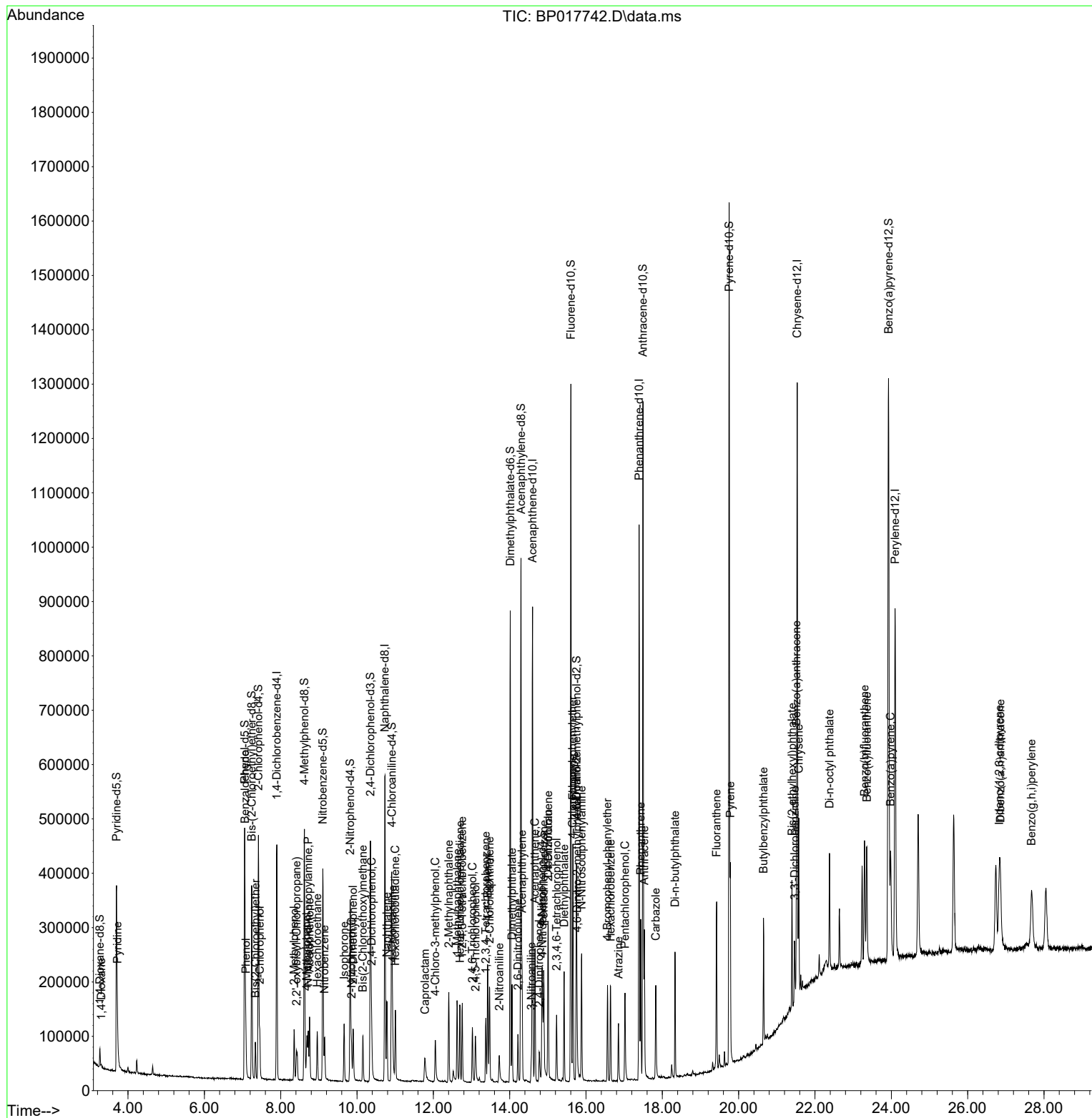
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102023\
 Data File : BP017742.D
 Acq On : 20 Oct 2023 15:33
 Operator : MA/JU
 Sample : 04696-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

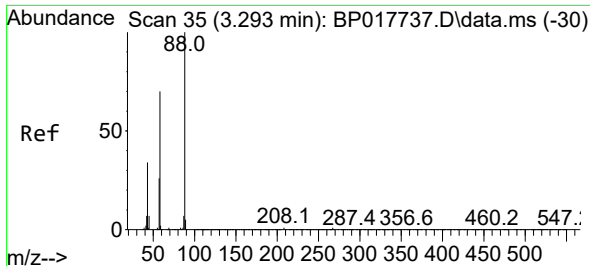
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Oct 20 22:46:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

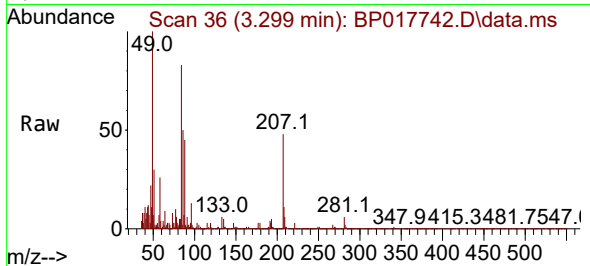
Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023





#2
1,4-Dioxane
Concen: 1.128 ng/uL
RT: 3.299 min Scan# 30
Delta R.T. -0.000 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

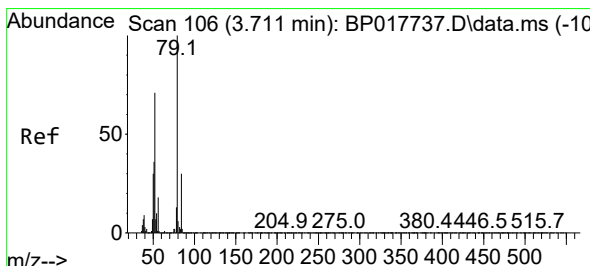
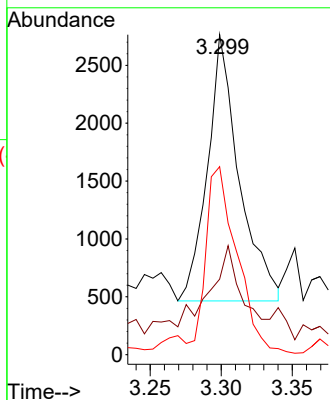
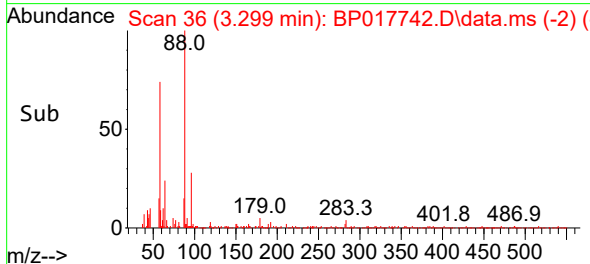
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 88 Resp: 356
Ion Ratio Lower Upper
88 100
43 23.6 24.4 36.6
58 58.8 53.0 79.6

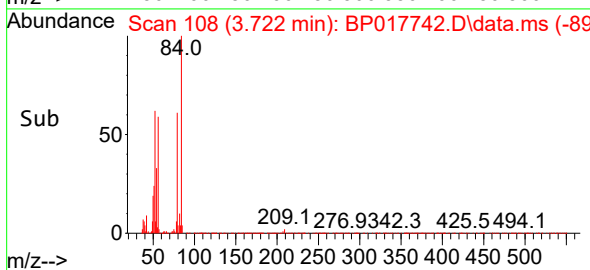
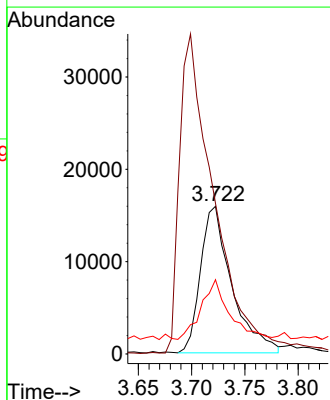
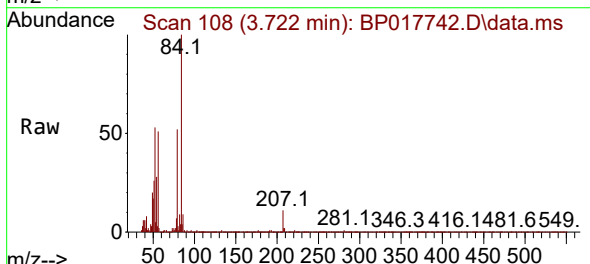
Manual Integrations
APPROVED

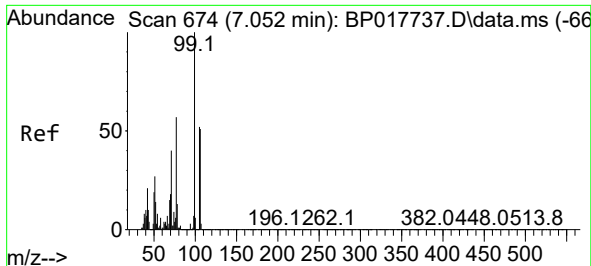
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#5
Pyridine
Concen: 4.058 ng/uL
RT: 3.722 min Scan# 108
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

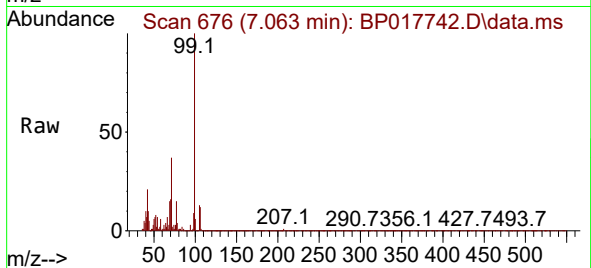
Tgt Ion: 79 Resp: 32438
Ion Ratio Lower Upper
79 100
52 102.1 57.2 85.8#
51 50.3 28.6 42.8#





#6
Benzaldehyde
Concen: 5.431 ng/ul
RT: 7.063 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

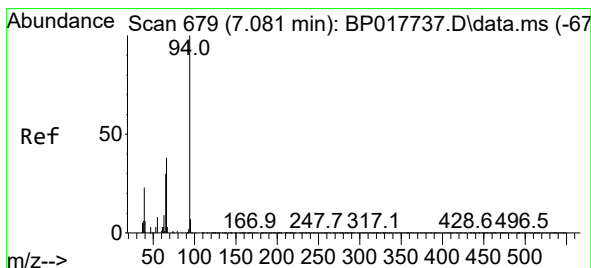
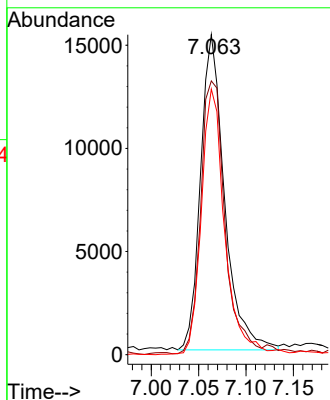
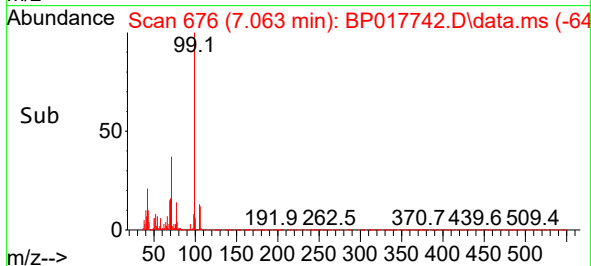
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 77 Resp: 2695
Ion Ratio Lower Upper
77 100
105 85.5 75.4 113.2
106 83.0 72.3 108.5

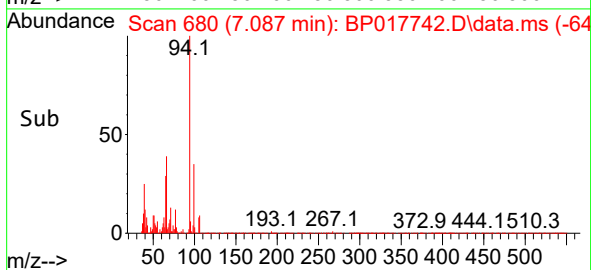
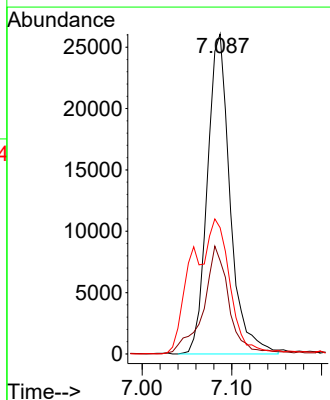
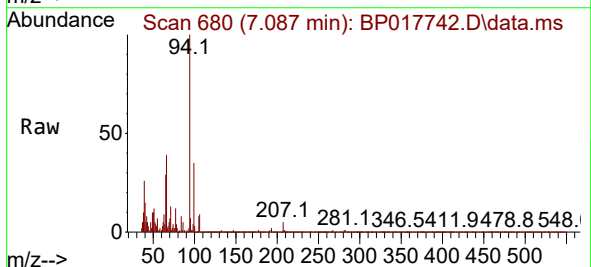
Manual Integrations
APPROVED

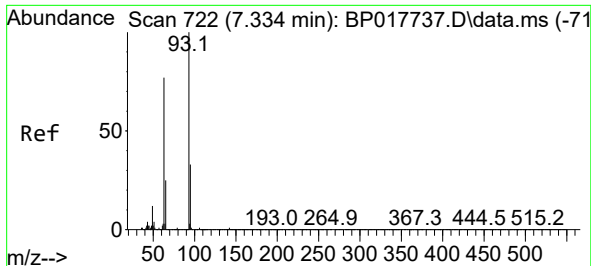
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#8
Phenol
Concen: 5.041 ng/ul
RT: 7.087 min Scan# 680
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

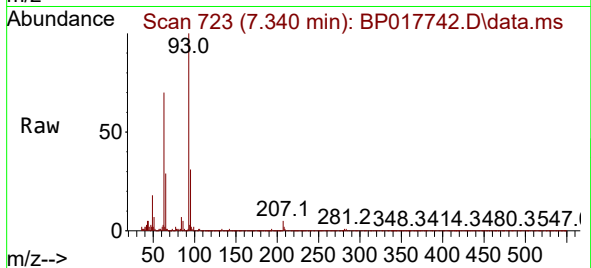
Tgt Ion: 94 Resp: 45849
Ion Ratio Lower Upper
94 100
65 29.2 25.0 37.4
66 39.5 33.0 49.6





#10
Bis(2-Chloroethyl)ether
Concen: 4.996 ng/ul
RT: 7.340 min Scan# 722
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

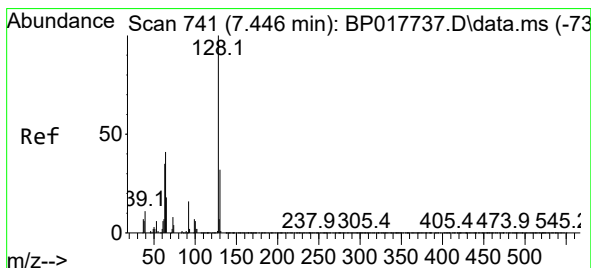
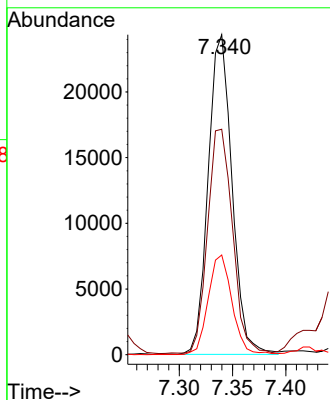
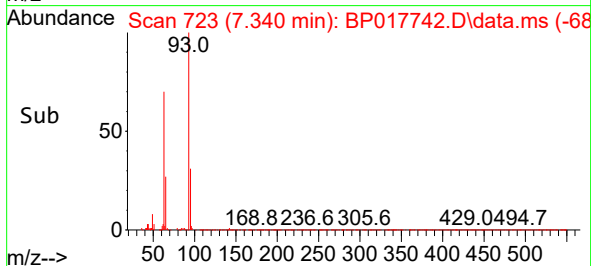
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



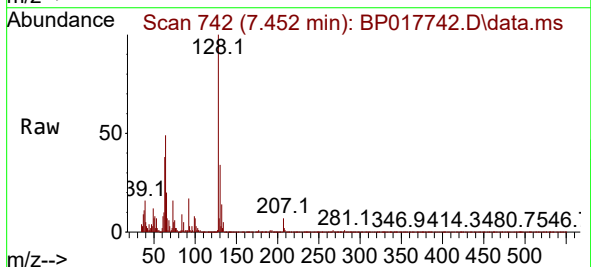
Tgt Ion: 93 Resp: 3791
Ion Ratio Lower Upper
93 100
63 70.4 60.7 91.1
95 31.2 27.8 41.6

Manual Integrations
APPROVED

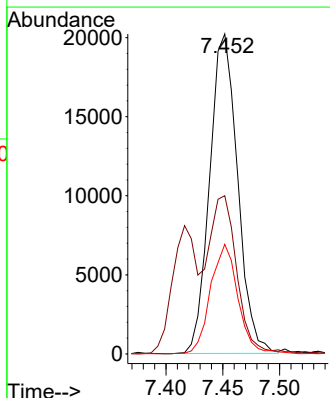
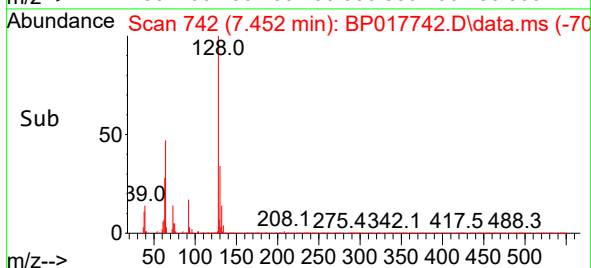
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

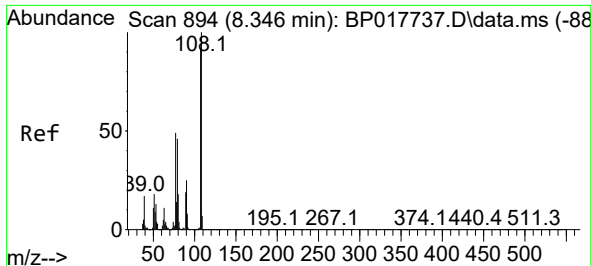


#12
2-Chlorophenol
Concen: 4.579 ng/ul
RT: 7.452 min Scan# 742
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33



Tgt Ion:128 Resp: 34603
Ion Ratio Lower Upper
128 100
64 49.5 36.7 55.1
130 34.2 26.2 39.2





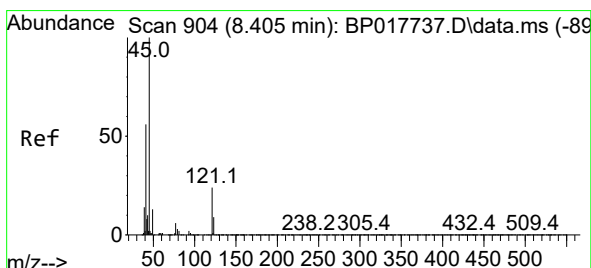
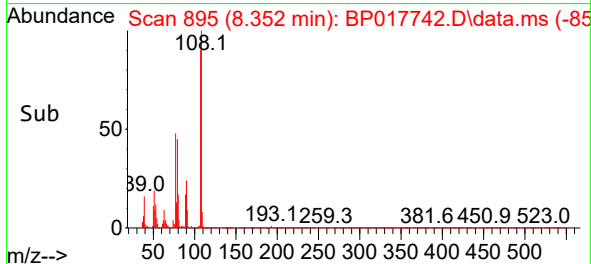
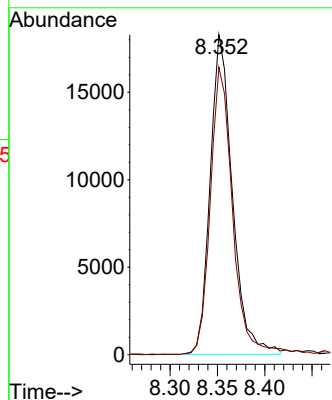
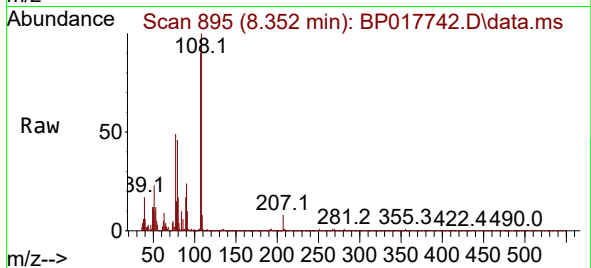
#13
2-Methylphenol
Concen: 4.335 ng/ul
RT: 8.352 min Scan# 894
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:108 Resp: 2976
Ion Ratio Lower Upper
108 100
107 89.9 73.4 110.2

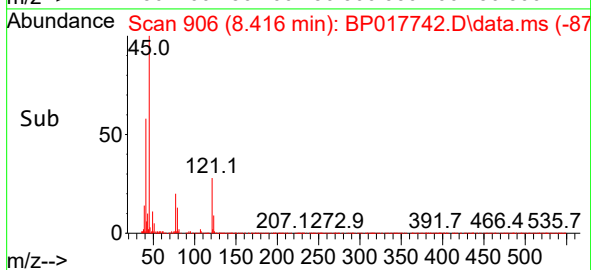
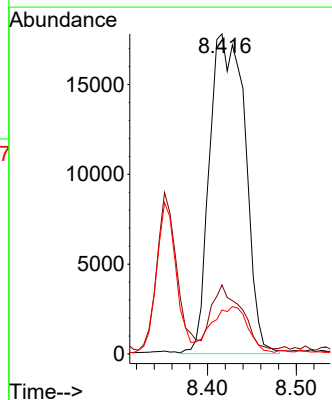
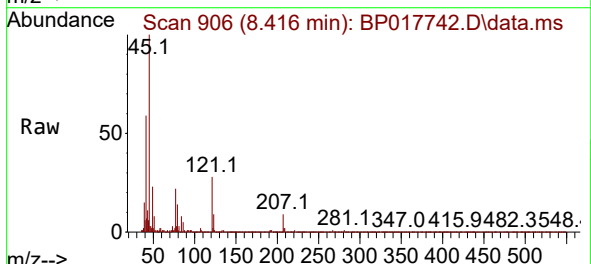
Manual Integrations
APPROVED

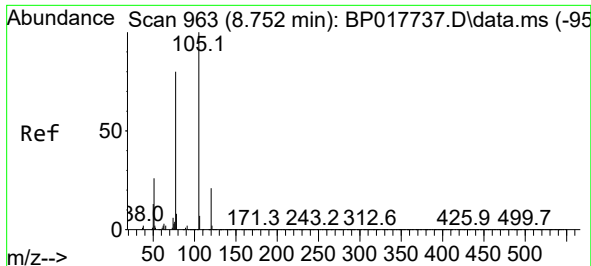
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#14
2,2'-oxybis(1-Chloropropane)
Concen: 5.306 ng/ul m
RT: 8.416 min Scan# 906
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion: 45 Resp: 49563
Ion Ratio Lower Upper
45 100
77 21.6 14.2 21.4#
79 13.7 10.3 15.5





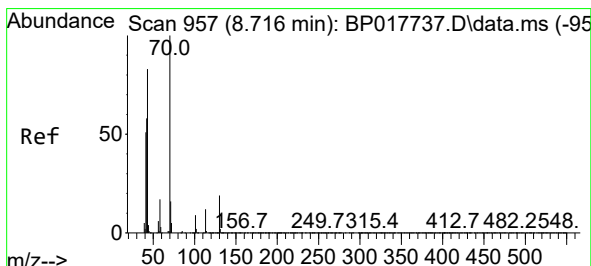
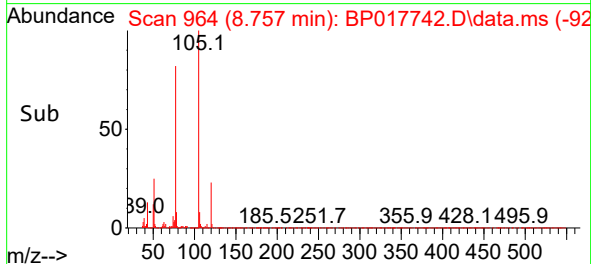
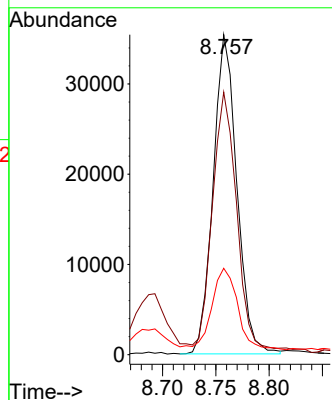
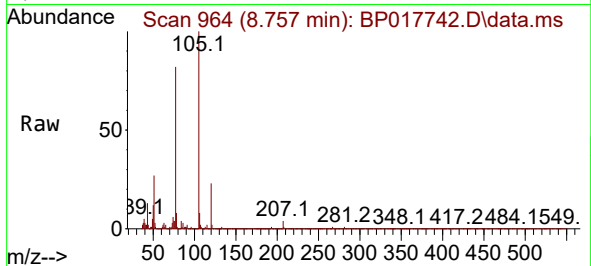
#16
Acetophenone
Concen: 4.806 ng/ul
RT: 8.757 min Scan# 90
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:105 Resp: 54738
Ion Ratio Lower Upper
105 100
77 82.0 64.4 96.6
51 27.0 21.2 31.8

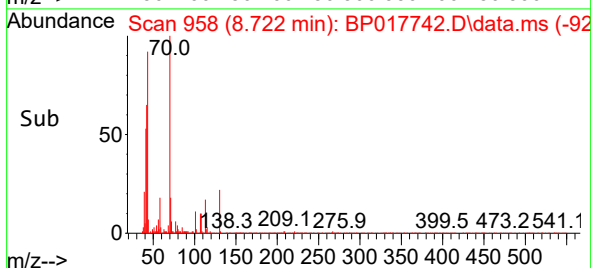
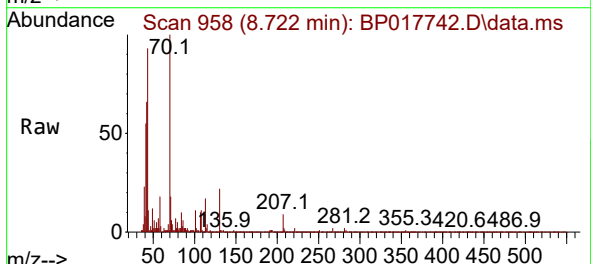
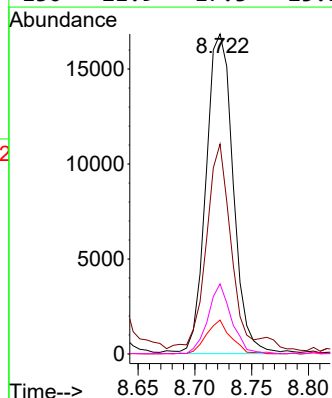
Manual Integrations
APPROVED

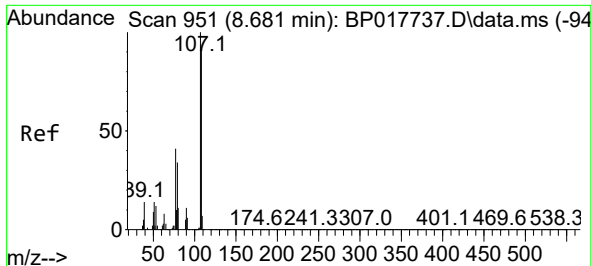
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#17
N-Nitroso-di-n-propylamine
Concen: 5.167 ng/ul
RT: 8.722 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

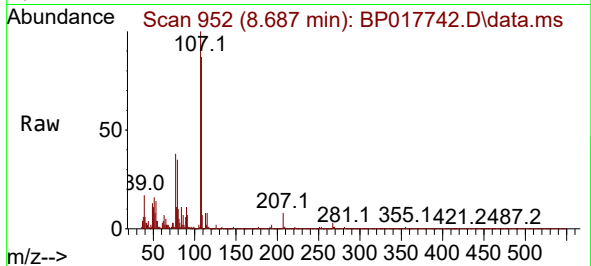
Tgt Ion: 70 Resp: 27915
Ion Ratio Lower Upper
70 100
42 65.6 44.6 66.8
101 10.6 7.5 11.3
130 21.9 17.3 25.9





#18
4-Methylphenol
Concen: 4.502 ng/ul
RT: 8.687 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

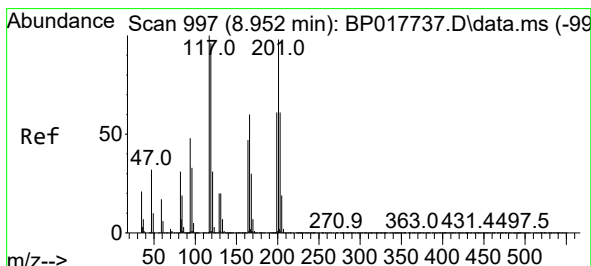
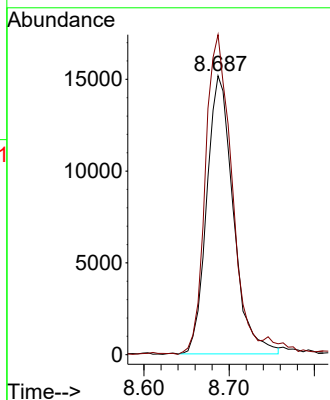
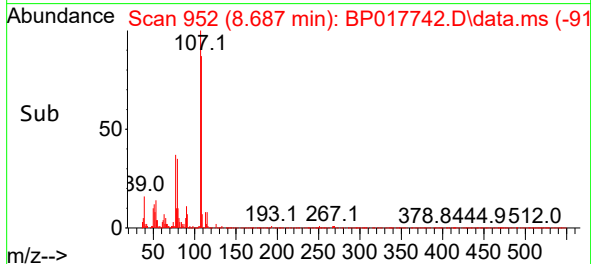
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:108 Resp: 3282
Ion Ratio Lower Upper
108 100
107 114.8 87.5 131.3

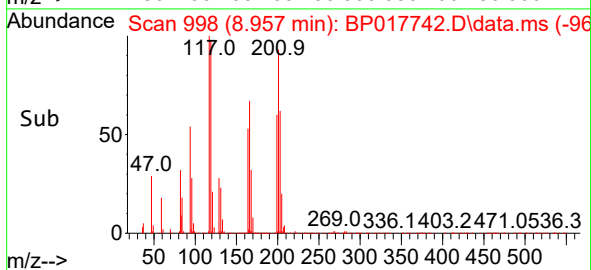
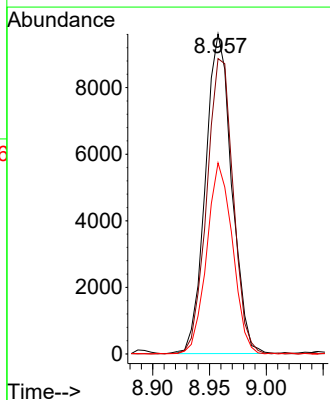
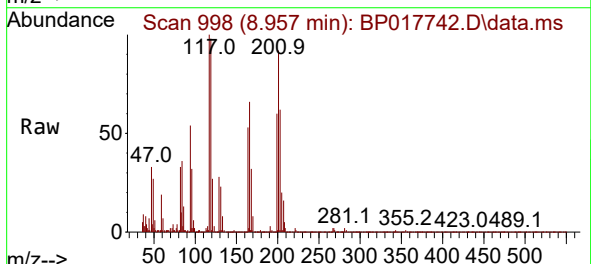
Manual Integrations
APPROVED

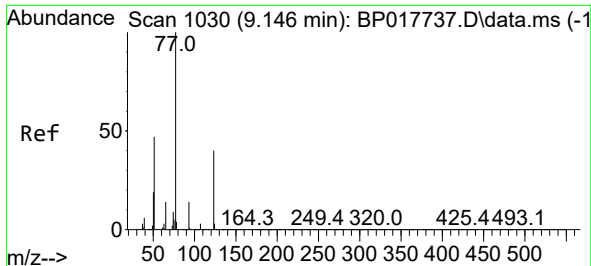
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#19
Hexachloroethane
Concen: 4.457 ng/ul
RT: 8.957 min Scan# 998
Delta R.T. 0.006 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:117 Resp: 15475
Ion Ratio Lower Upper
117 100
201 92.3 96.3 144.5#
199 59.7 57.7 86.5





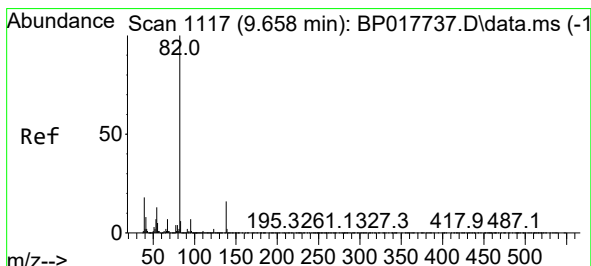
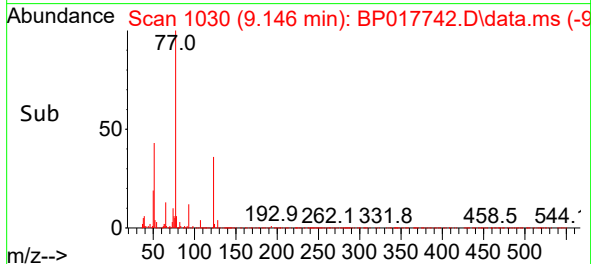
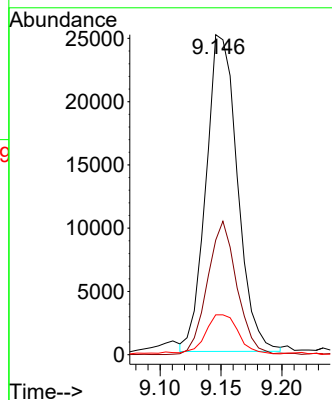
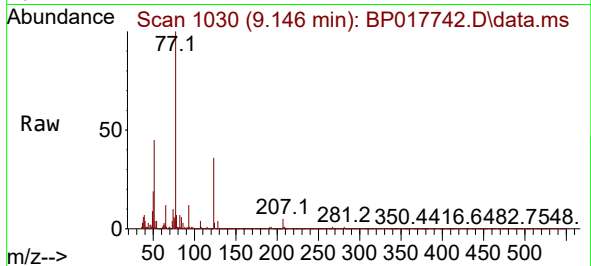
#22
Nitrobenzene
Concen: 5.112 ng/ul
RT: 9.146 min Scan# 1030
Delta R.T. 0.006 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 77 Resp: 45064
Ion Ratio Lower Upper
77 100
123 35.8 33.5 50.3
65 12.5 10.8 16.2

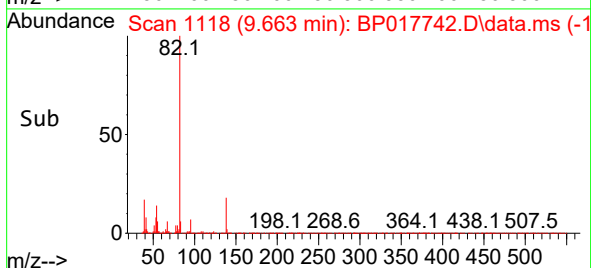
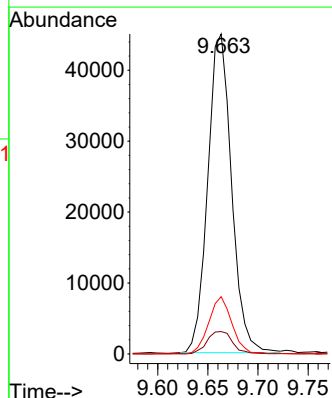
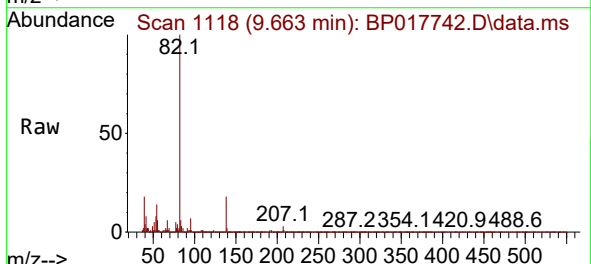
Manual Integrations
APPROVED

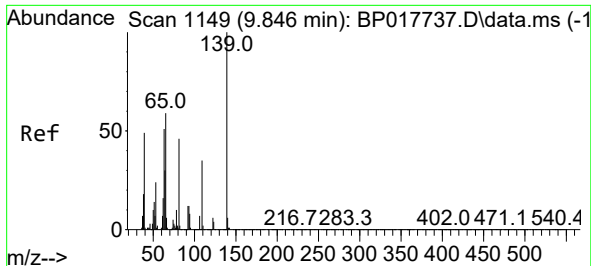
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#23
Isophorone
Concen: 4.714 ng/ul
RT: 9.663 min Scan# 1118
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

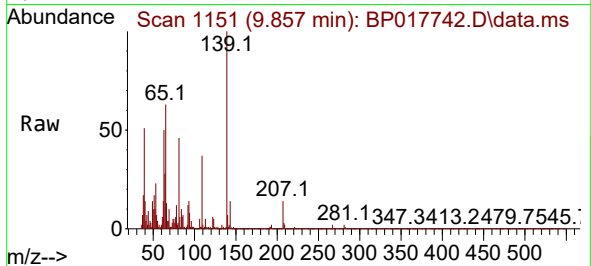
Tgt Ion: 82 Resp: 74303
Ion Ratio Lower Upper
82 100
95 7.0 6.2 9.2
138 17.9 14.4 21.6





#25
2-Nitrophenol
Concen: 4.464 ng/ul
RT: 9.857 min Scan# 1151
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

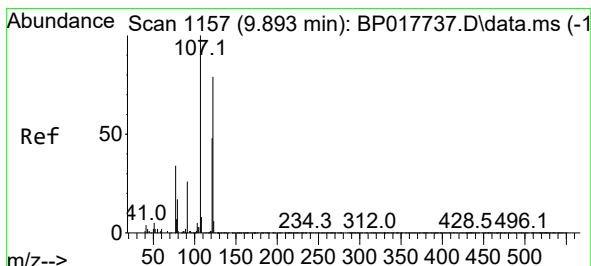
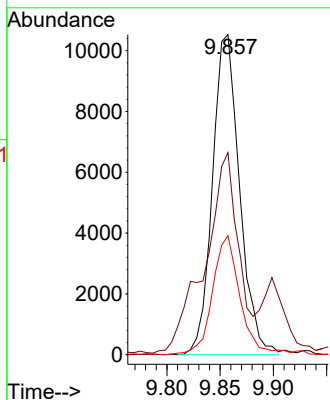
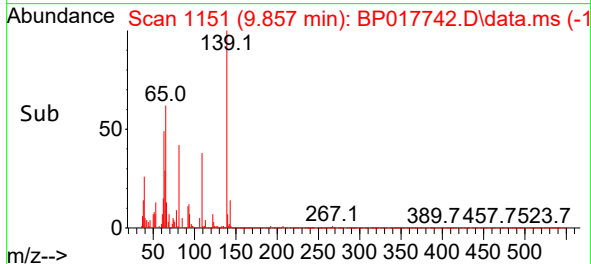
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



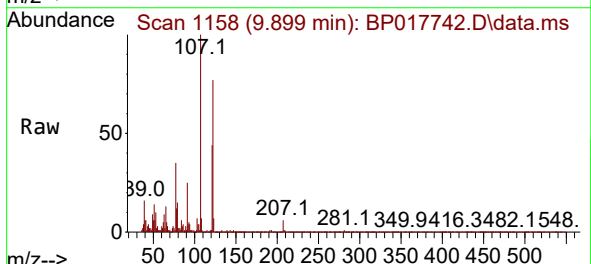
Tgt Ion:139 Resp: 1864
Ion Ratio Lower Upper
139 100
65 63.1 40.4 60.6
109 37.2 25.4 38.2

Manual Integrations
APPROVED

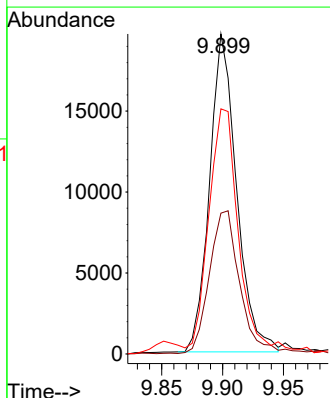
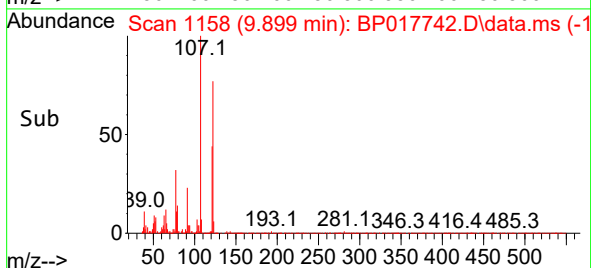
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

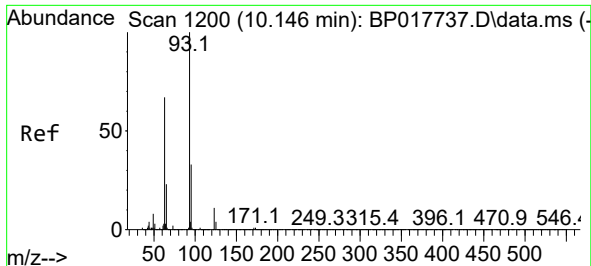


#26
2,4-Dimethylphenol
Concen: 3.703 ng/ul
RT: 9.899 min Scan# 1158
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33



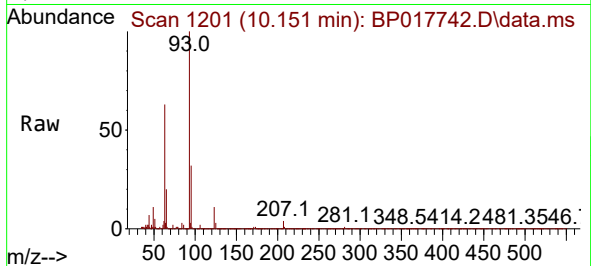
Tgt Ion:107 Resp: 30344
Ion Ratio Lower Upper
107 100
121 44.0 40.6 61.0
122 76.6 66.9 100.3





#27
Bis(2-Chloroethoxy)methane
Concen: 5.014 ng/ul
RT: 10.151 min Scan# 1201
Delta R.T. 0.006 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

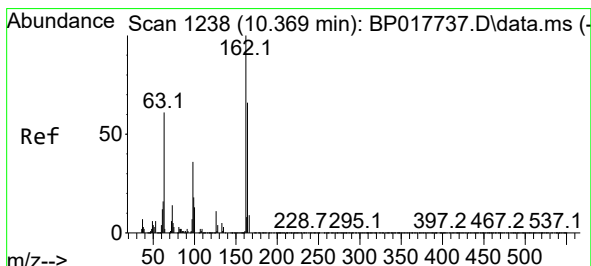
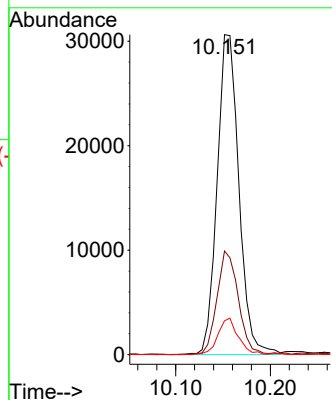
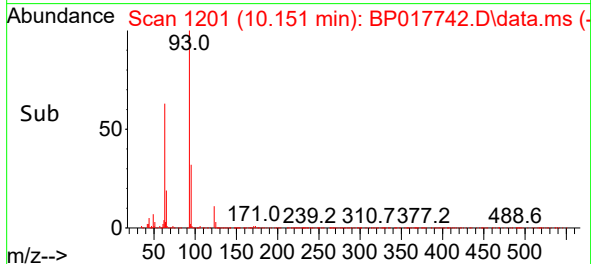
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



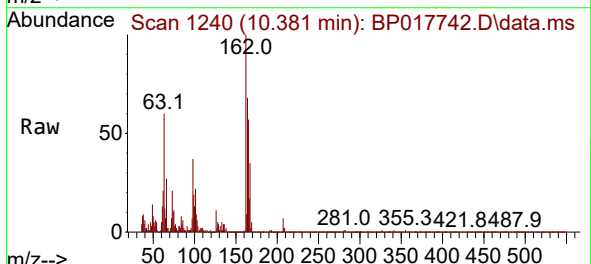
Tgt Ion: 93 Resp: 48889
Ion Ratio Lower Upper
93 100
95 32.4 24.7 37.1
123 10.6 8.9 13.3

Manual Integrations
APPROVED

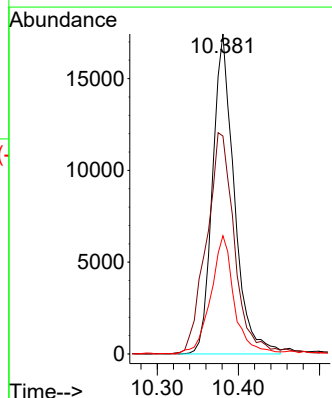
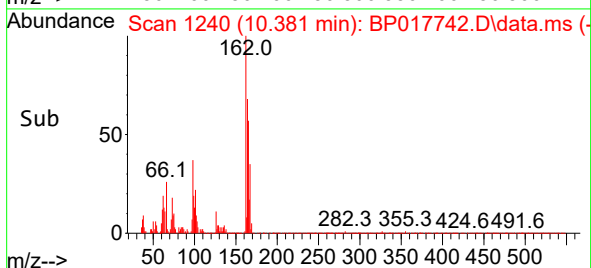
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

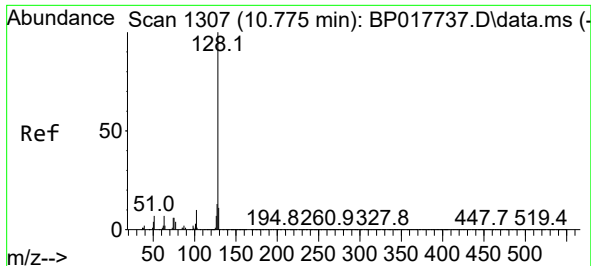


#29
2,4-Dichlorophenol
Concen: 4.416 ng/ul
RT: 10.381 min Scan# 1240
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33



Tgt Ion:162 Resp: 32403
Ion Ratio Lower Upper
162 100
164 68.1 53.8 80.8
98 36.9 25.5 38.3





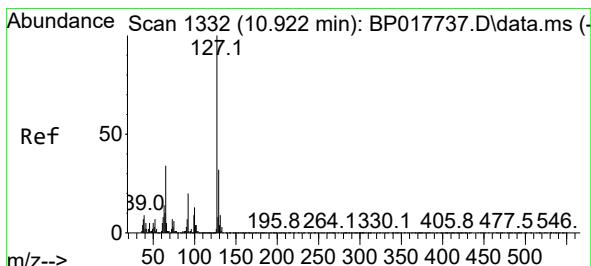
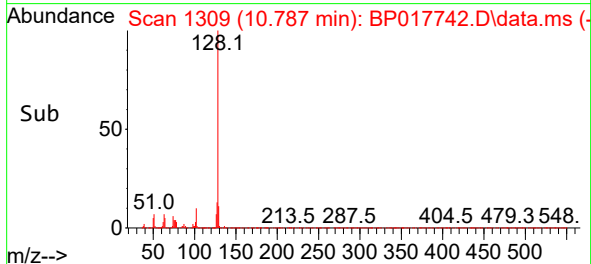
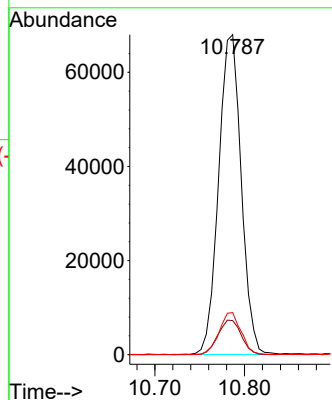
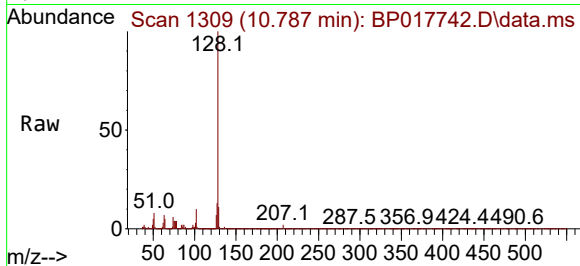
#30
Naphthalene
Concen: 4.729 ng/ul
RT: 10.787 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:128 Resp: 11889
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.1 10.5 15.7

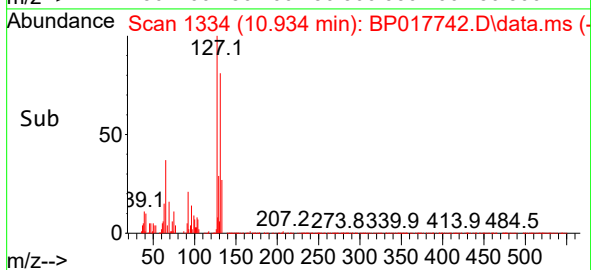
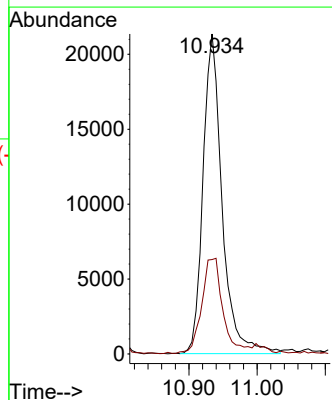
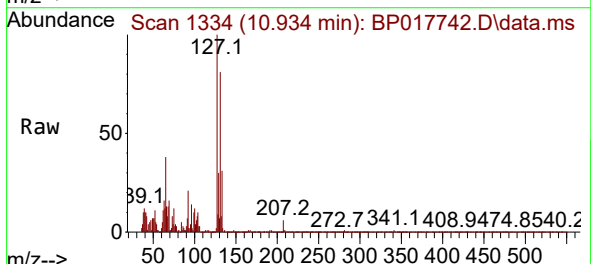
Manual Integrations
APPROVED

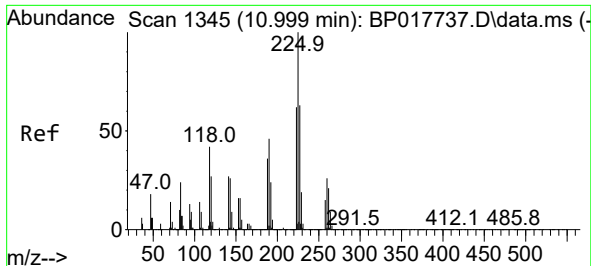
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#32
4-Chloroaniline
Concen: 4.324 ng/ul
RT: 10.934 min Scan# 1334
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

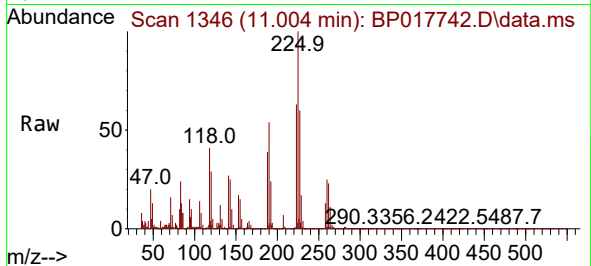
Tgt Ion:127 Resp: 41575
Ion Ratio Lower Upper
127 100
129 29.5 25.1 37.7





#33
Hexachlorobutadiene
Concen: 3.927 ng/ul
RT: 11.004 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

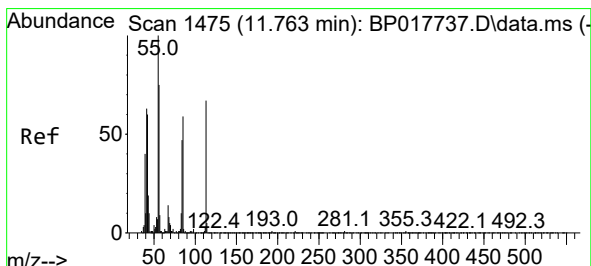
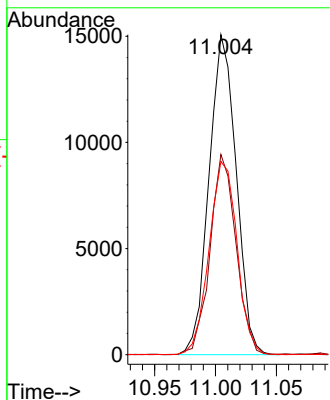
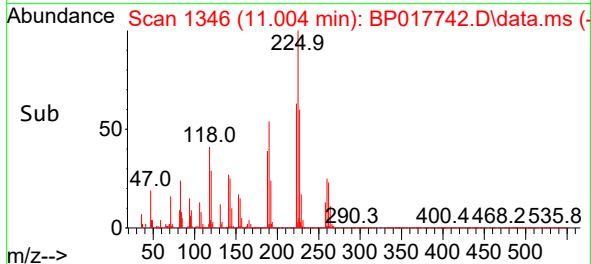
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:225 Resp: 2339
Ion Ratio Lower Upper
225 100
223 62.6 50.6 75.8
227 60.4 50.1 75.1

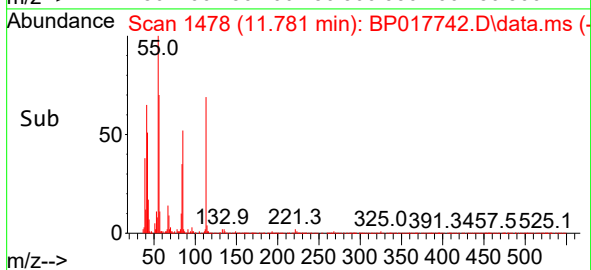
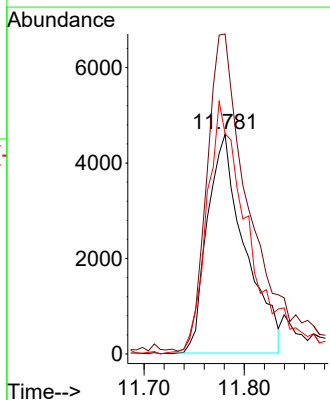
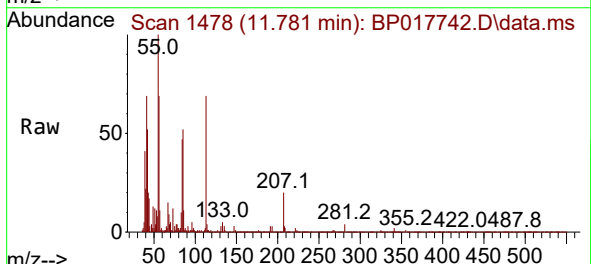
Manual Integrations
APPROVED

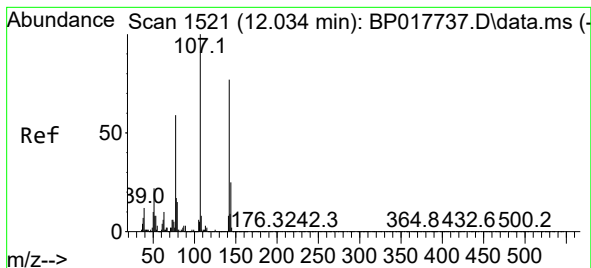
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#34
Caprolactam
Concen: 6.270 ng/ul
RT: 11.781 min Scan# 1478
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

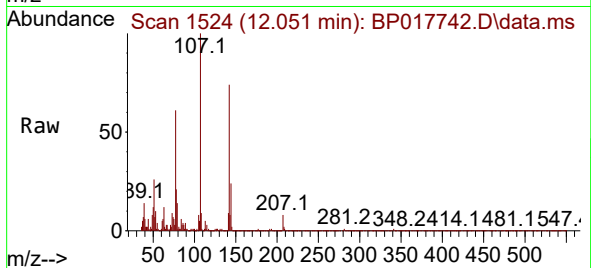
Tgt Ion:113 Resp: 11847
Ion Ratio Lower Upper
113 100
55 145.7 112.1 168.1
56 100.3 87.0 130.6





#35
4-Chloro-3-methylphenol
Concen: 4.287 ng/ul
RT: 12.051 min Scan# 1521
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

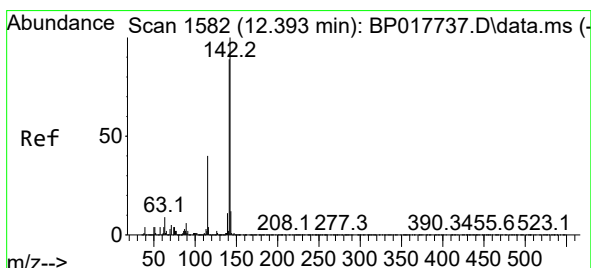
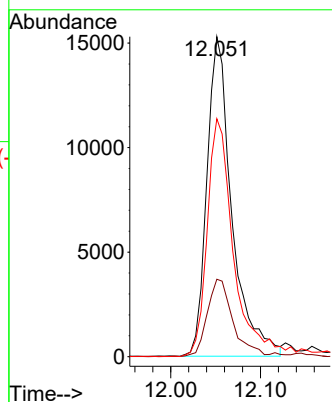
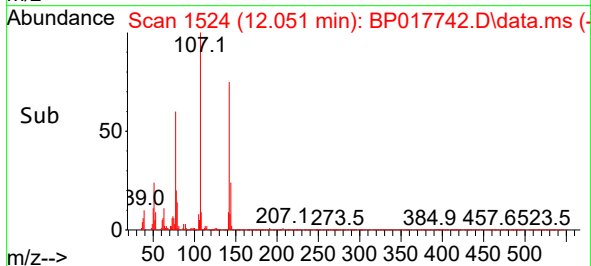
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:107 Resp: 2961
Ion Ratio Lower Upper
107 100
144 24.2 22.9 34.3
142 74.3 68.1 102.1

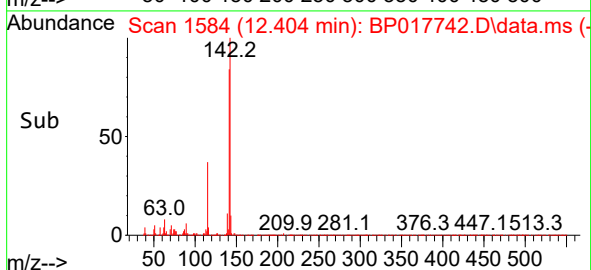
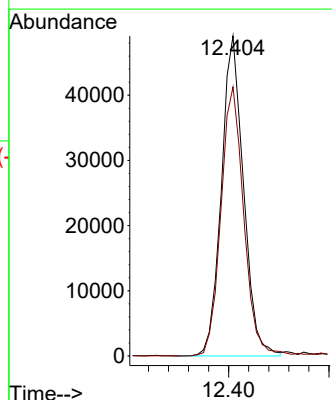
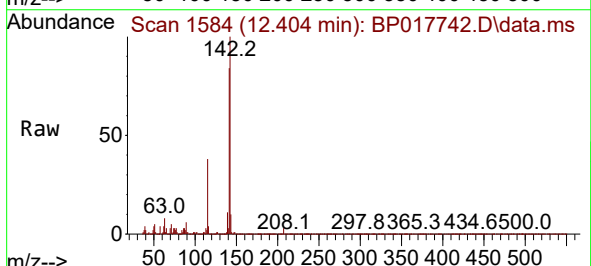
Manual Integrations
APPROVED

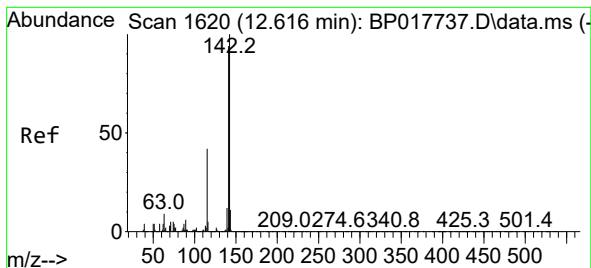
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#36
2-Methylnaphthalene
Concen: 4.411 ng/ul
RT: 12.404 min Scan# 1584
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:142 Resp: 74921
Ion Ratio Lower Upper
142 100
141 84.0 71.5 107.3





#37

1-Methylnaphthalene

Concen: 3.530 ng/ul

RT: 12.622 min Scan# 1620

Delta R.T. 0.012 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

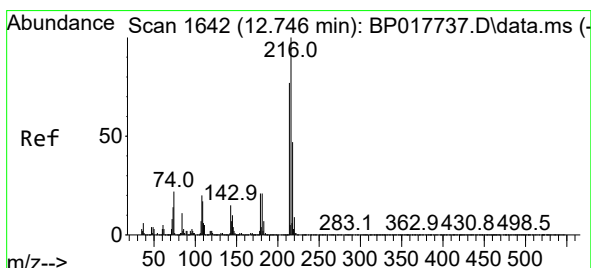
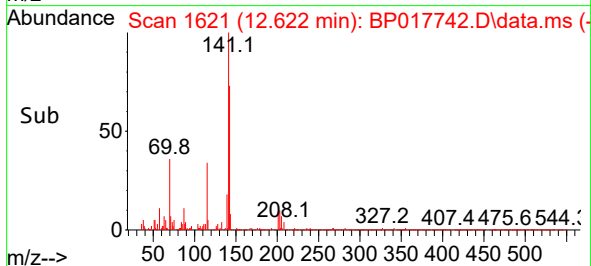
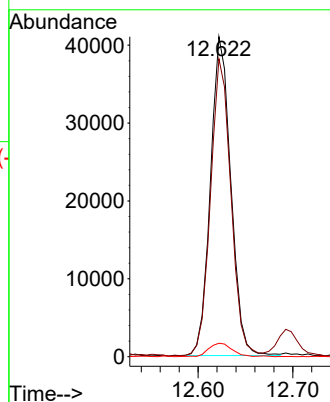
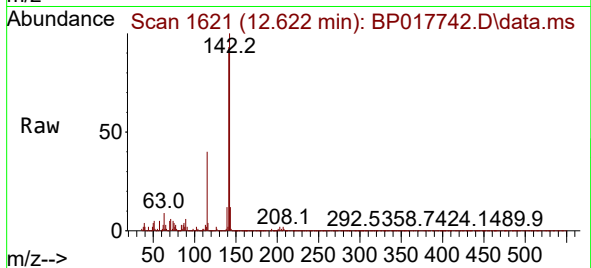
Tgt Ion:	142	Resp:	61308
Ion Ratio	Lower	Upper	
142	100		
141	93.1	72.5	108.7
116	4.2	3.4	5.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.169 ng/ul

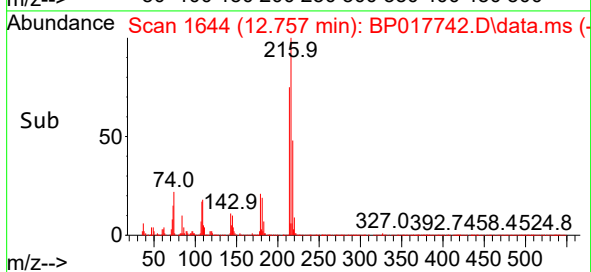
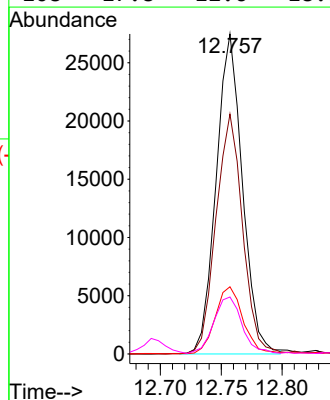
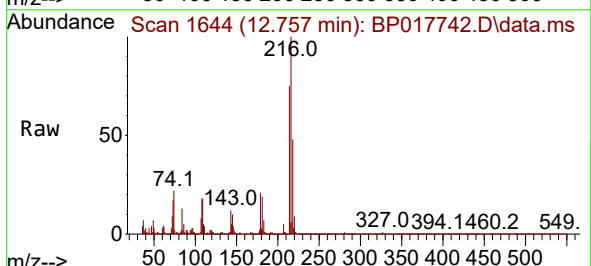
RT: 12.757 min Scan# 1644

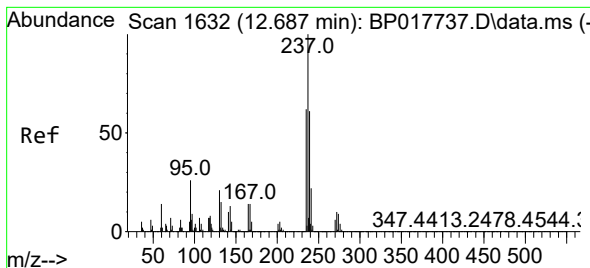
Delta R.T. 0.012 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:	216	Resp:	41257
Ion Ratio	Lower	Upper	
216	100		
214	75.0	62.2	93.2
179	21.0	15.8	23.8
108	17.8	12.6	18.8





#40

Hexachlorocyclopentadiene

Concen: 5.762 ng/ul

RT: 12.698 min Scan# 1632

Delta R.T. 0.012 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

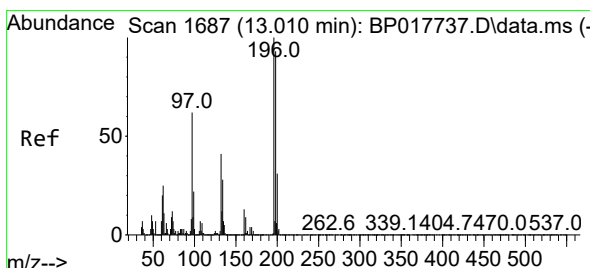
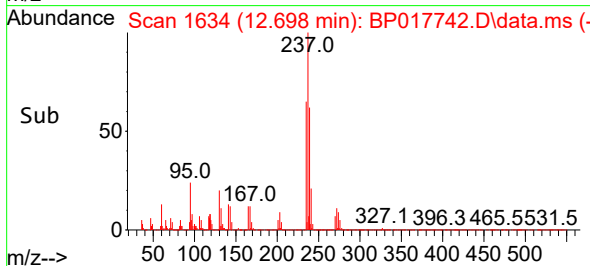
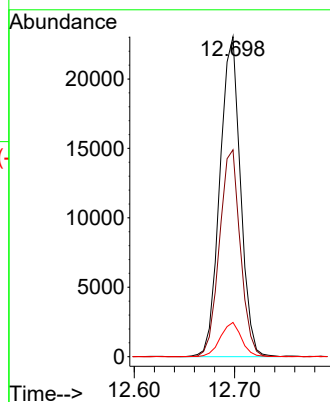
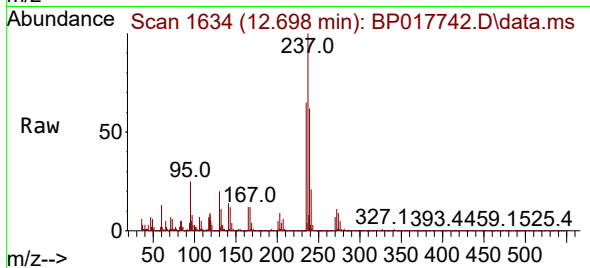
Tgt Ion:	237	Resp:	3275
Ion Ratio	Lower	Upper	
237	100		
235	64.6	50.3	75.5
272	10.7	11.1	16.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#41

2,4,6-Trichlorophenol

Concen: 3.909 ng/ul

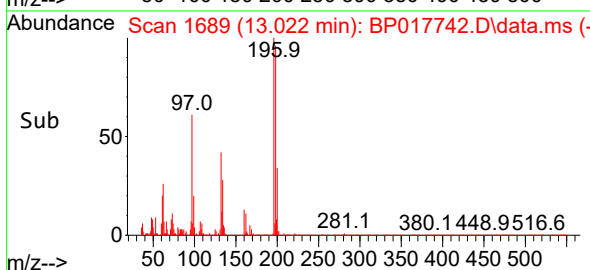
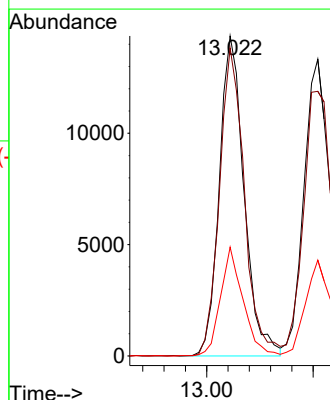
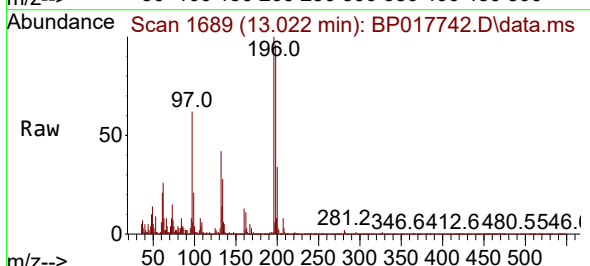
RT: 13.022 min Scan# 1689

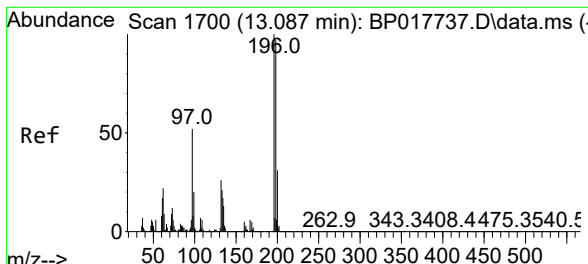
Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:	196	Resp:	23215
Ion Ratio	Lower	Upper	
196	100		
198	96.3	74.7	112.1
200	34.0	23.7	35.5





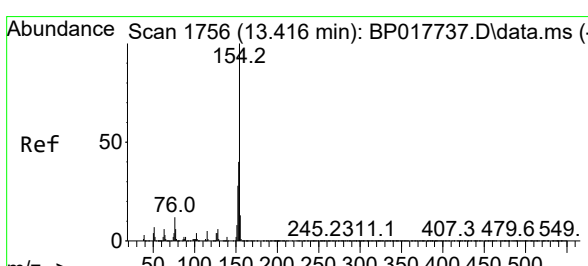
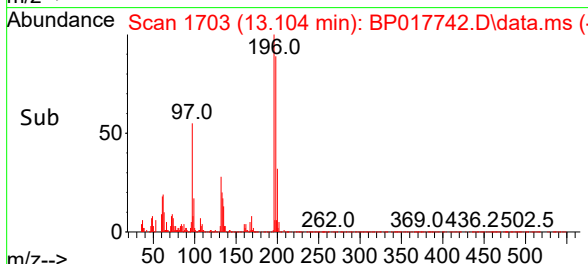
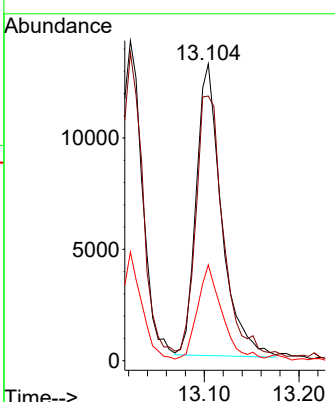
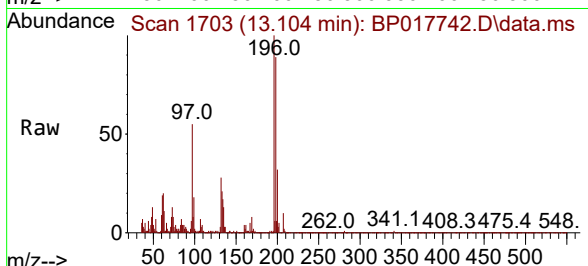
#42
 2,4,5-Trichlorophenol
 Concen: 3.970 ng/ul
 RT: 13.104 min Scan# 1703
 Delta R.T. 0.023 min
 Lab File: BP017742.D
 Acq: 20 Oct 2023 15:33

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion:	196	Resp:	2437
Ion Ratio	Lower	Upper	
196	100		
198	89.2	76.0	114.0
200	32.3	24.3	36.5

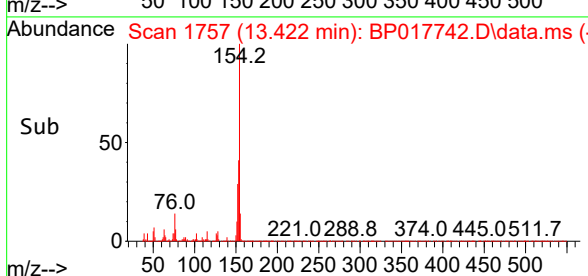
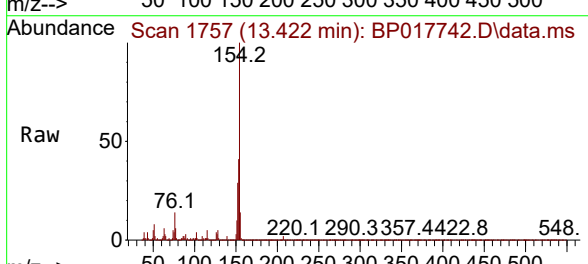
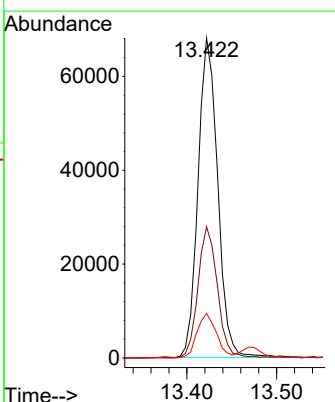
Manual Integrations
 APPROVED

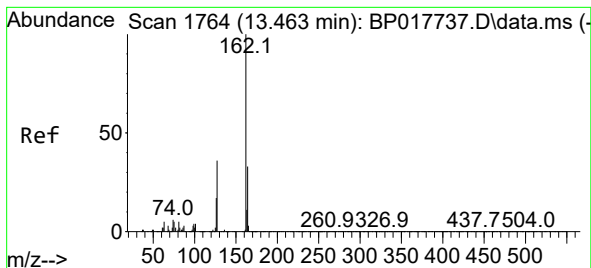
Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023



#43
 1,1'-Biphenyl
 Concen: 4.698 ng/ul
 RT: 13.422 min Scan# 1757
 Delta R.T. 0.012 min
 Lab File: BP017742.D
 Acq: 20 Oct 2023 15:33

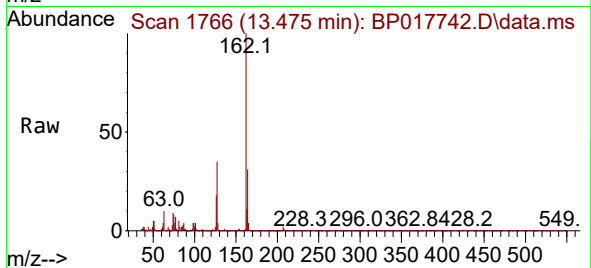
Tgt Ion:	154	Resp:	103514
Ion Ratio	Lower	Upper	
154	100		
153	41.0	32.6	49.0
76	14.0	9.8	14.8





#44
2-Chloronaphthalene
Concen: 4.623 ng/ul
RT: 13.475 min Scan# 1764
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

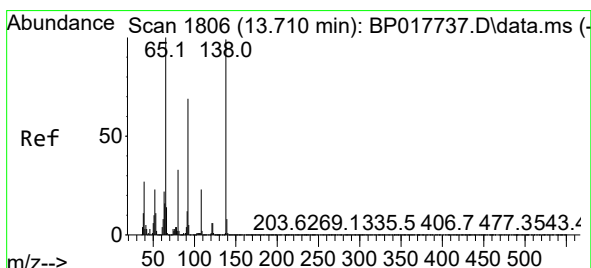
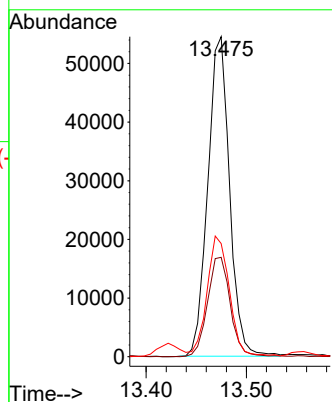
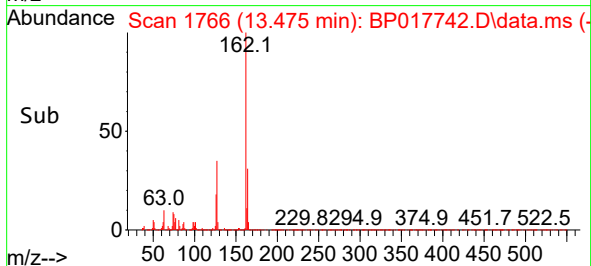
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



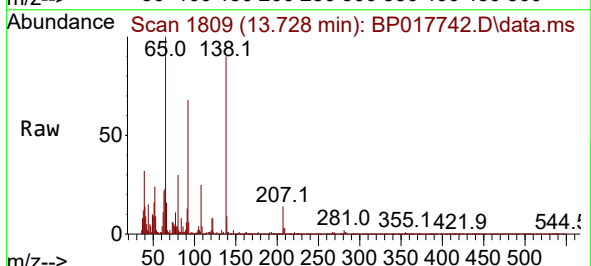
Tgt Ion:162 Resp: 82338
Ion Ratio Lower Upper
162 100
164 31.1 25.9 38.9
127 35.4 29.9 44.9

Manual Integrations
APPROVED

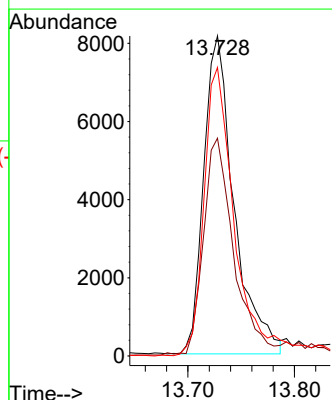
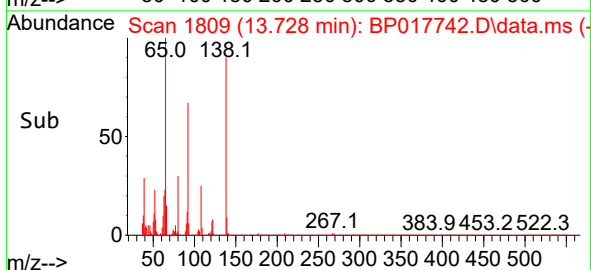
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

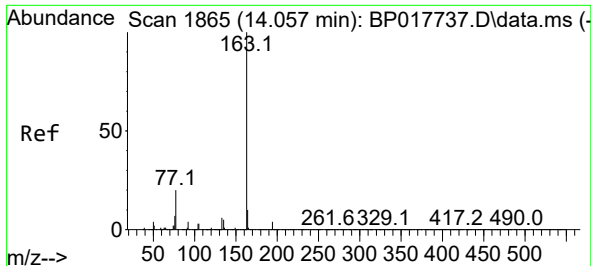


#45
2-Nitroaniline
Concen: 3.992 ng/ul
RT: 13.728 min Scan# 1809
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33



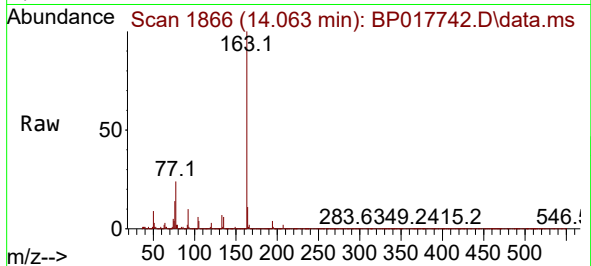
Tgt Ion: 65 Resp: 16158
Ion Ratio Lower Upper
65 100
92 68.1 56.2 84.4
138 90.2 85.9 128.9





#47
Dimethylphthalate
Concen: 4.698 ng/ul
RT: 14.063 min Scan# 1866
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

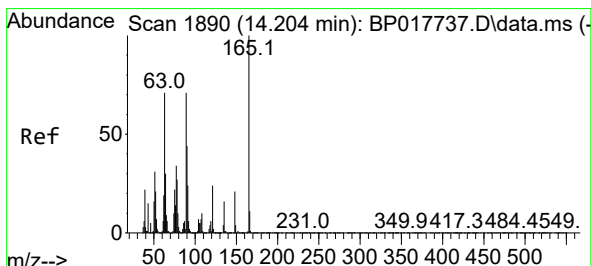
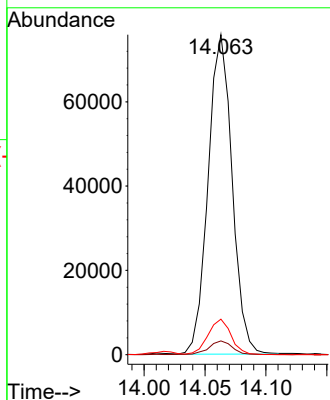
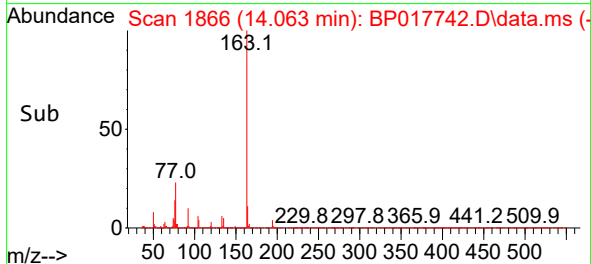
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:163 Resp: 103950
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 11.1 8.2 12.4

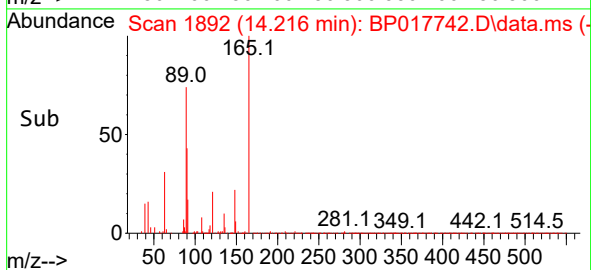
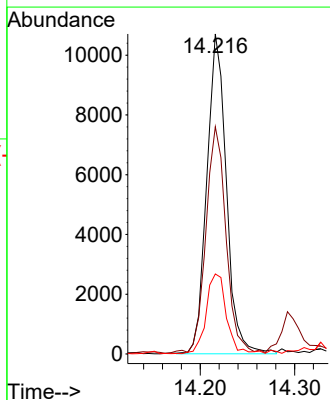
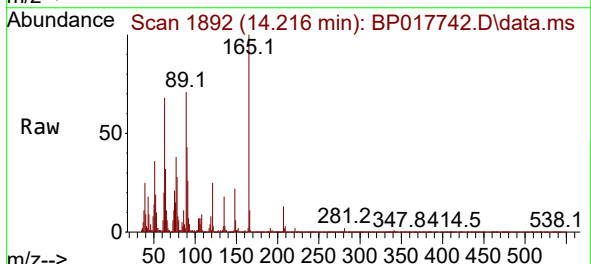
Manual Integrations
APPROVED

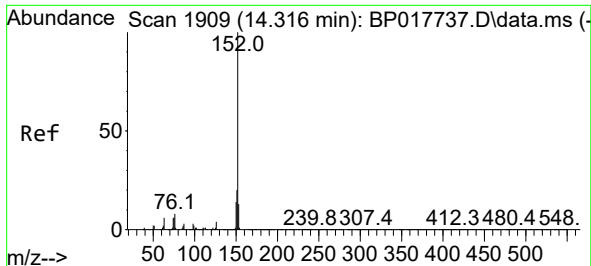
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#48
2,6-Dinitrotoluene
Concen: 3.784 ng/ul m
RT: 14.216 min Scan# 1892
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

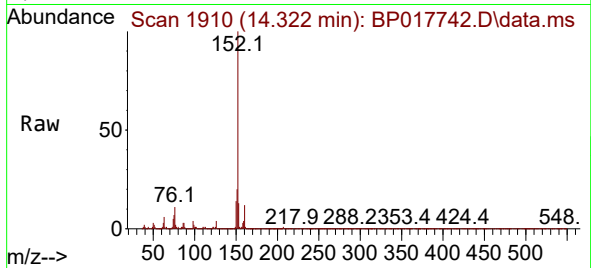
Tgt Ion:165 Resp: 15412
Ion Ratio Lower Upper
165 100
89 71.0 48.0 72.0
121 25.0 16.6 24.8#





#50
Acenaphthylene
Concen: 4.732 ng/ul
RT: 14.322 min Scan# 1910
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

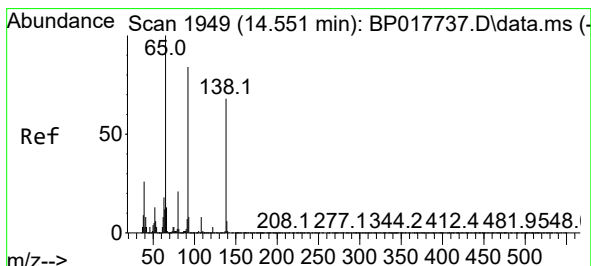
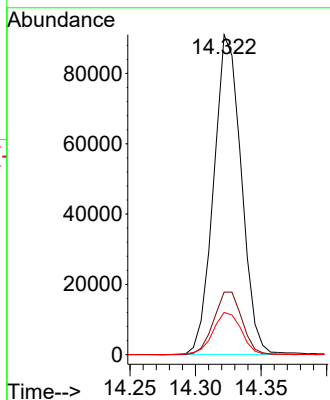
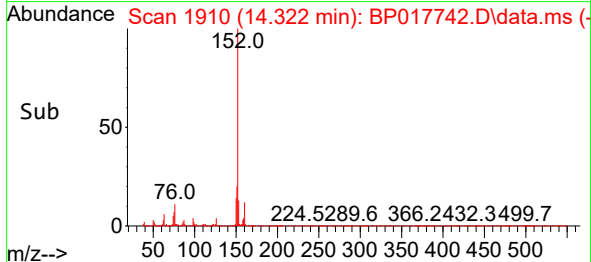
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



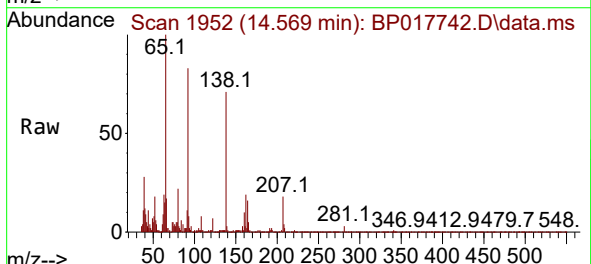
Tgt Ion:152 Resp: 13272
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.2 10.8 16.2

Manual Integrations
APPROVED

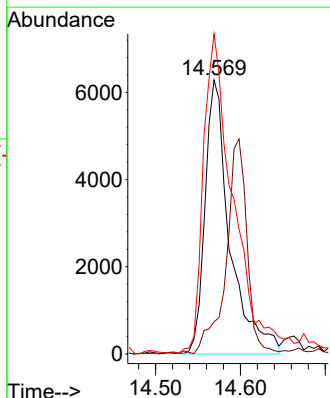
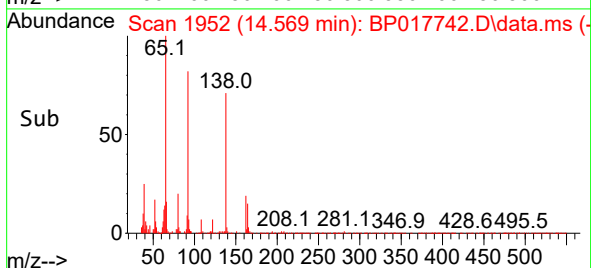
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

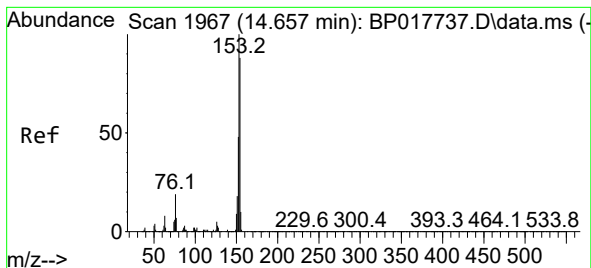


#51
3-Nitroaniline
Concen: 3.304 ng/ul m
RT: 14.569 min Scan# 1952
Delta R.T. 0.023 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33



Tgt Ion:138 Resp: 12799
Ion Ratio Lower Upper
138 100
108 11.8 9.3 13.9
92 116.9 95.2 142.8





#52

Acenaphthene

Concen: 4.710 ng/ul

RT: 14.663 min Scan# 1967

Delta R.T. 0.012 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

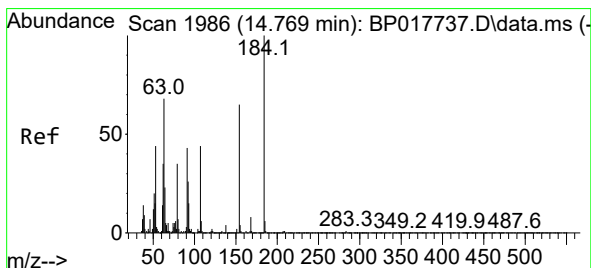
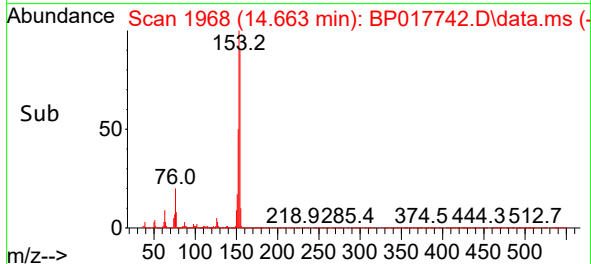
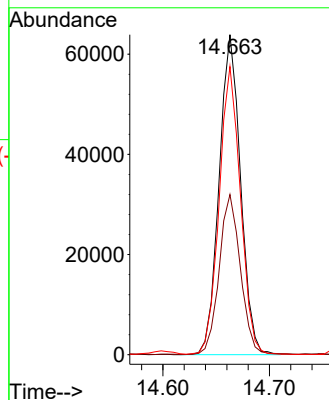
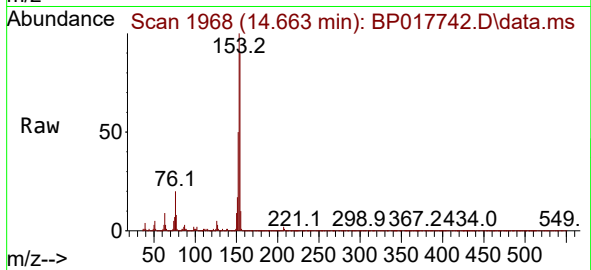
Tgt Ion:153	Resp:	8930
Ion Ratio	Lower	Upper
153	100	
152	50.1	37.6 56.4
154	90.0	70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#53

2,4-Dinitrophenol

Concen: 5.332 ng/ul

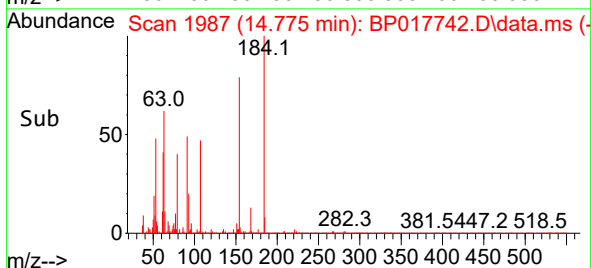
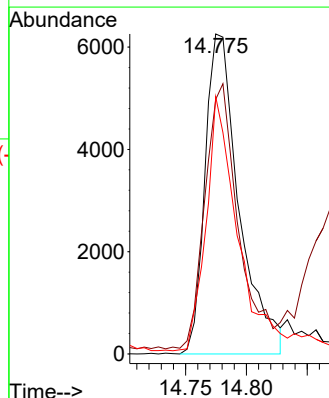
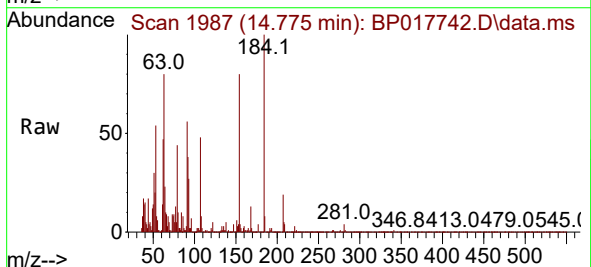
RT: 14.775 min Scan# 1987

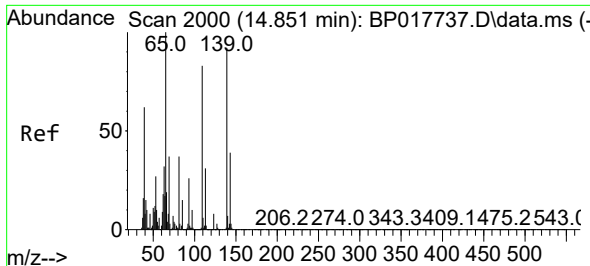
Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

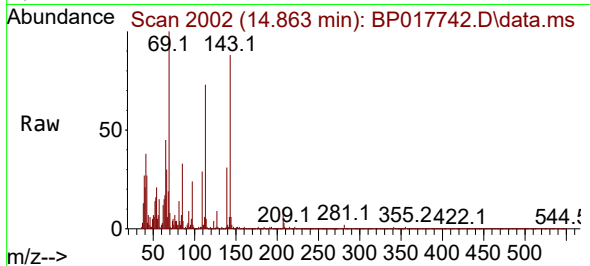
Tgt Ion:184	Resp:	12190
Ion Ratio	Lower	Upper
184	100	
63	79.5	50.6 76.0#
154	80.4	47.9 71.9#





#55
4-Nitrophenol
Concen: 3.913 ng/ul m
RT: 14.863 min Scan# 2000
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

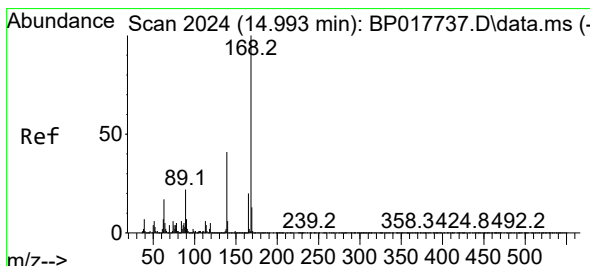
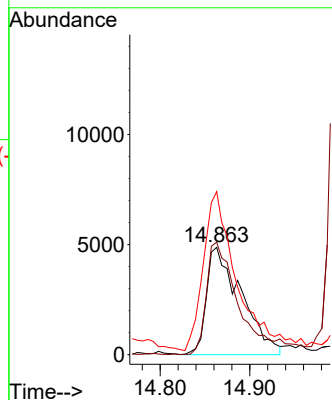
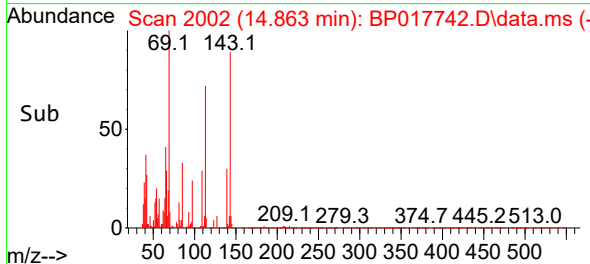
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:109 Resp: 13249
Ion Ratio Lower Upper
109 100
139 104.8 92.9 139.3
65 151.7 94.5 141.7

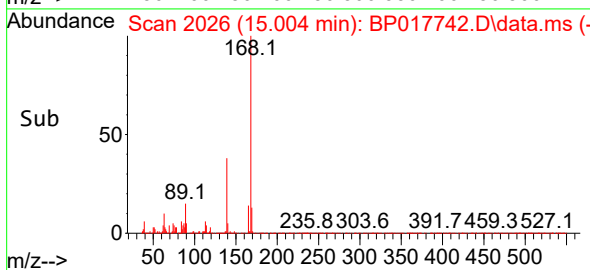
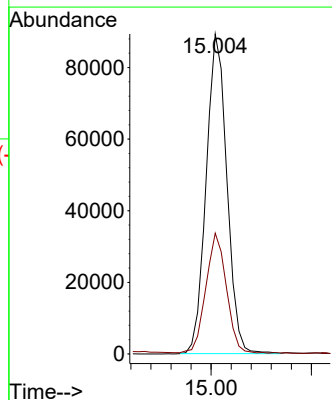
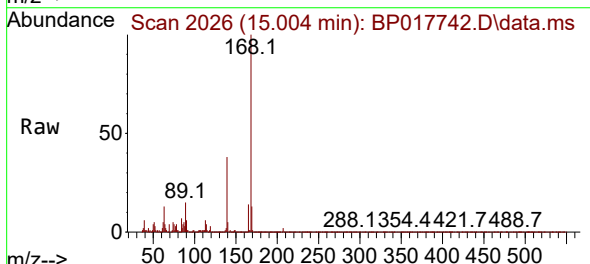
Manual Integrations
APPROVED

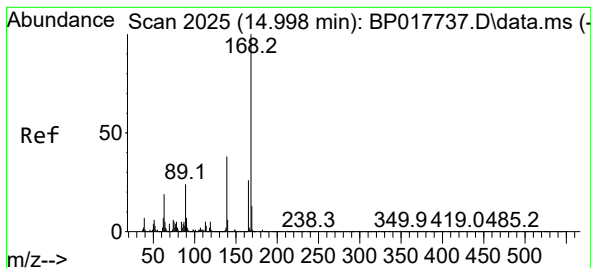
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#56
Dibenzofuran
Concen: 4.822 ng/ul
RT: 15.004 min Scan# 2026
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:168 Resp: 128359
Ion Ratio Lower Upper
168 100
139 37.8 28.6 43.0





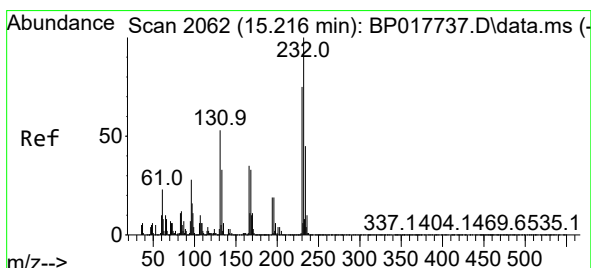
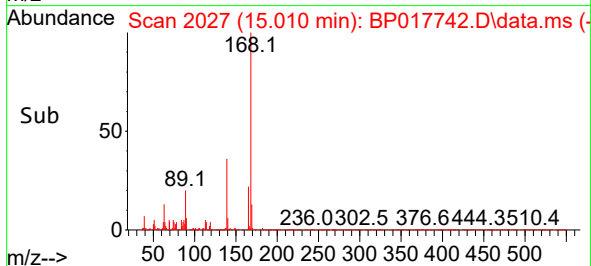
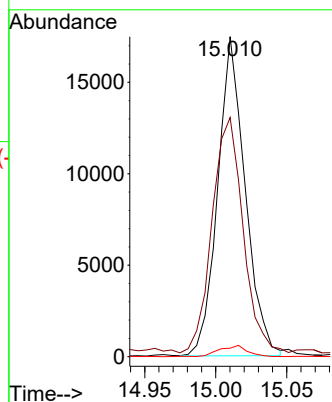
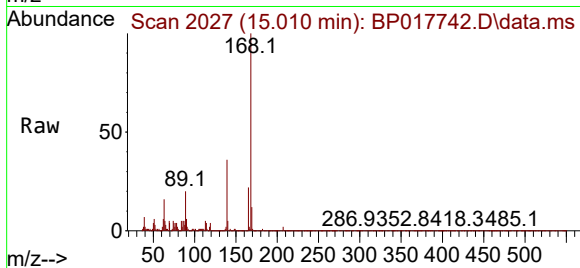
#57
2,4-Dinitrotoluene
Concen: 3.906 ng/ul
RT: 15.010 min Scan# 2027
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:165 Resp: 23480
Ion Ratio Lower Upper
165 100
63 74.7 51.1 76.7
182 2.7 2.7 4.1

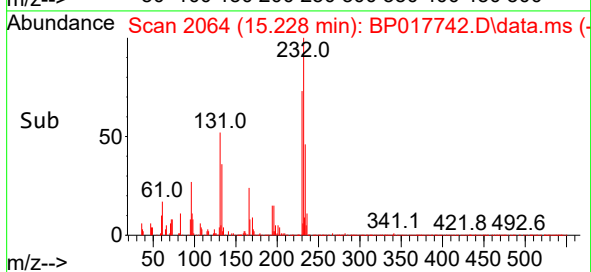
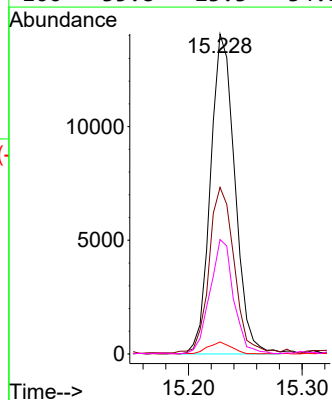
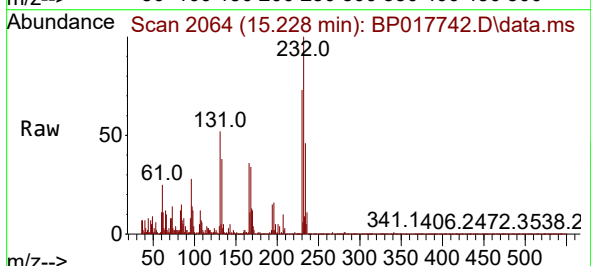
Manual Integrations
APPROVED

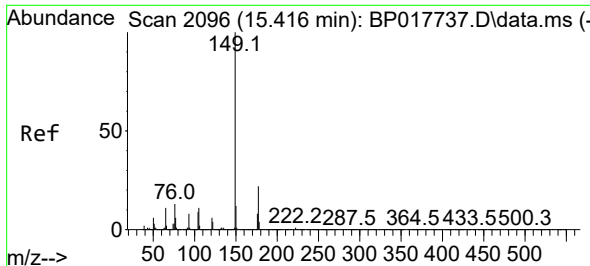
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#58
2,3,4,6-Tetrachlorophenol
Concen: 3.860 ng/ul
RT: 15.228 min Scan# 2064
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:232 Resp: 21034
Ion Ratio Lower Upper
232 100
131 52.0 32.9 49.3#
130 3.7 1.8 2.8#
166 35.8 23.3 34.9#





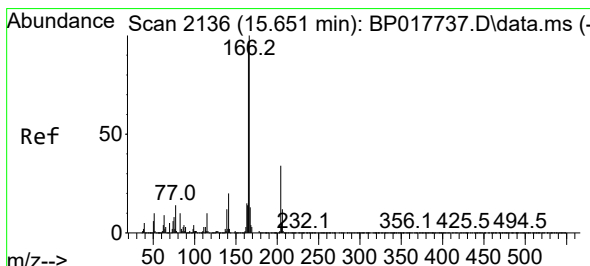
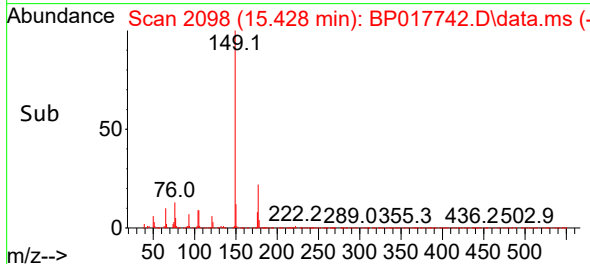
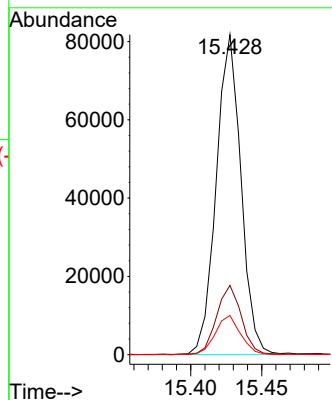
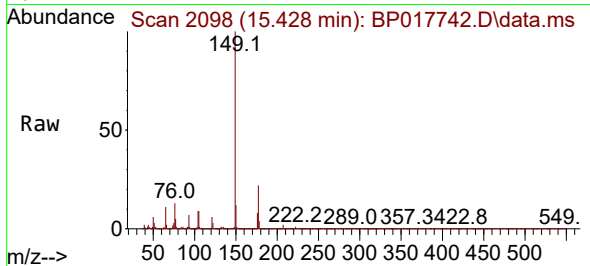
#59
Diethylphthalate
Concen: 4.616 ng/ul
RT: 15.428 min Scan# 2096
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:149 Resp: 9861
Ion Ratio Lower Upper
149 100
177 21.6 18.0 27.0
150 12.3 10.2 15.4

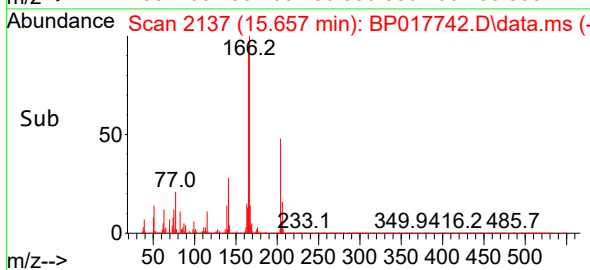
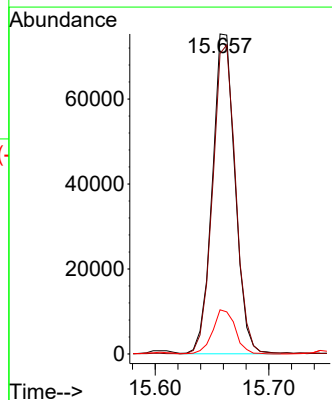
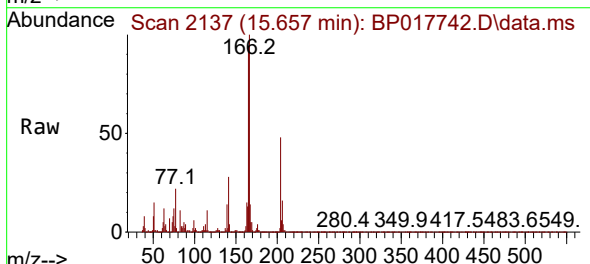
Manual Integrations
APPROVED

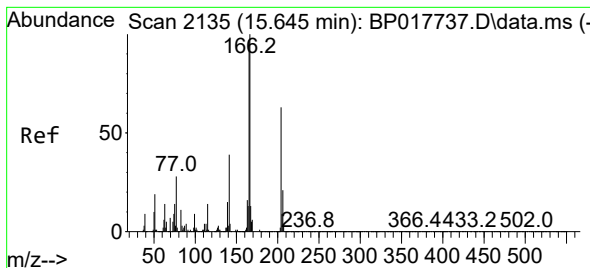
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#61
Fluorene
Concen: 4.796 ng/ul
RT: 15.657 min Scan# 2137
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:166 Resp: 104860
Ion Ratio Lower Upper
166 100
165 93.9 77.4 116.0
167 13.8 10.9 16.3





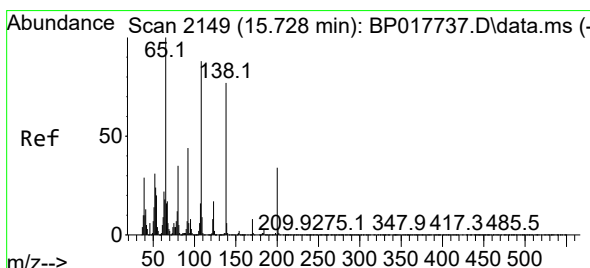
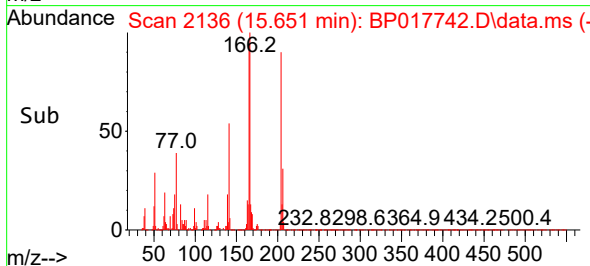
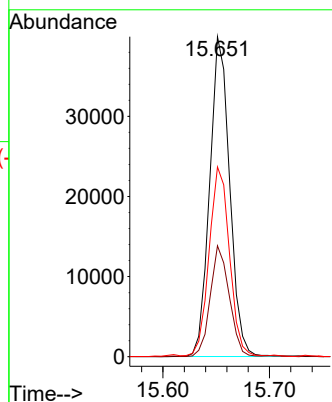
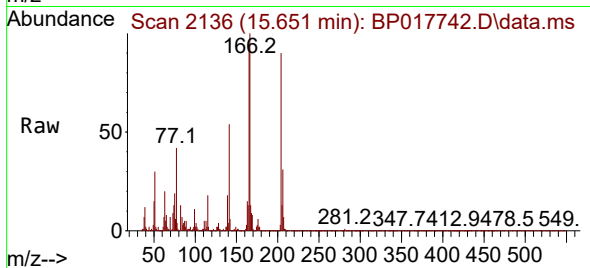
#62
4-Chlorophenyl-phenylether
Concen: 4.472 ng/ul
RT: 15.651 min Scan# 2135
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:204 Resp: 5197
Ion Ratio Lower Upper
204 100
206 34.7 26.2 39.4
141 59.3 42.9 64.3

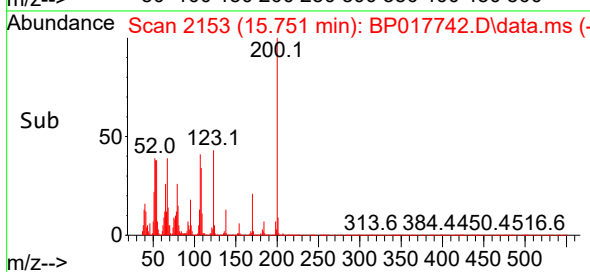
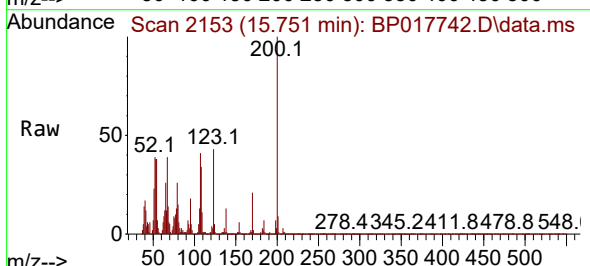
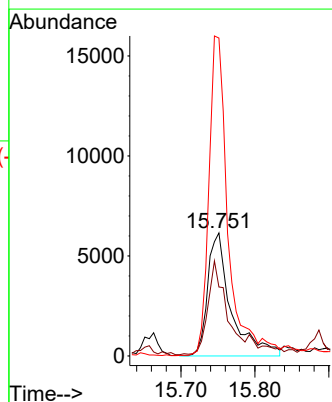
Manual Integrations
APPROVED

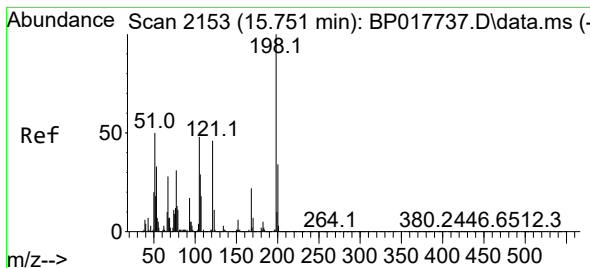
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#63
4-Nitroaniline
Concen: 3.898 ng/ul m
RT: 15.751 min Scan# 2153
Delta R.T. 0.029 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:138 Resp: 13618
Ion Ratio Lower Upper
138 100
92 56.1 43.0 64.6
108 258.3 82.7 124.1#





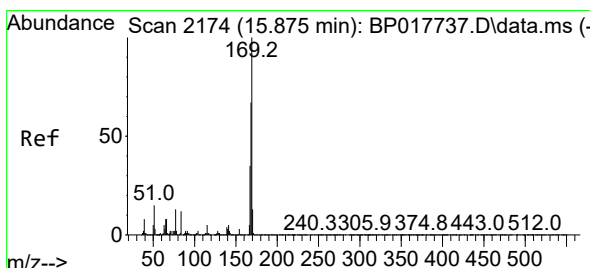
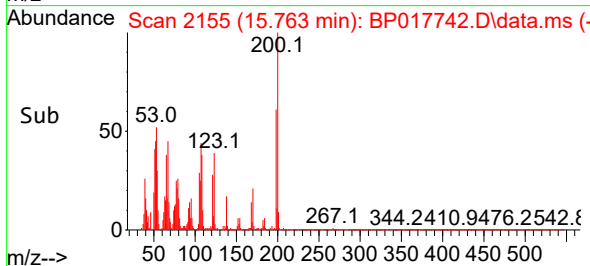
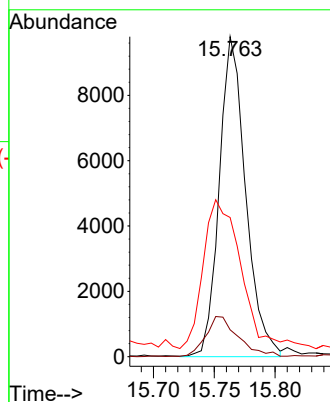
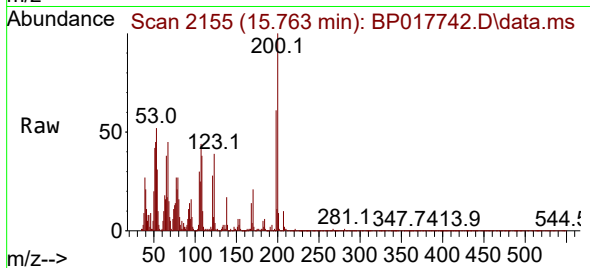
#66
4,6-Dinitro-2-methylphenol
Concen: 3.696 ng/ul
RT: 15.763 min Scan# 2153
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:198 Resp: 1480
Ion Ratio Lower Upper
198 100
182 8.4 3.9 5.9
77 43.5 19.8 29.8

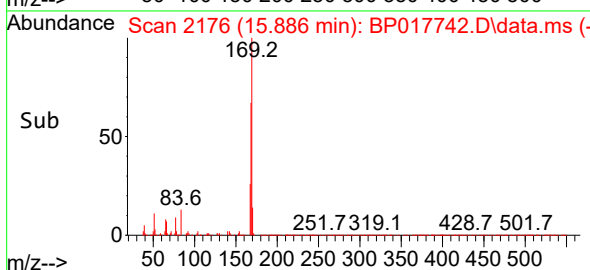
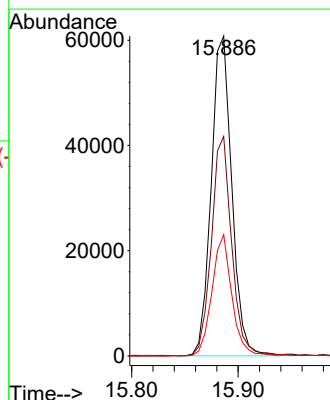
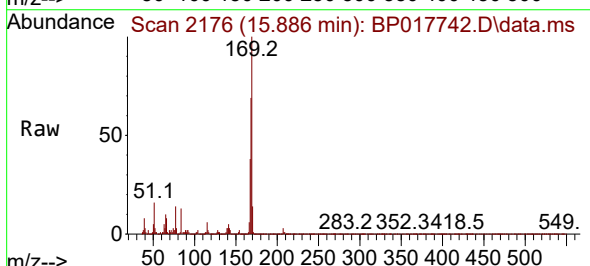
Manual Integrations
APPROVED

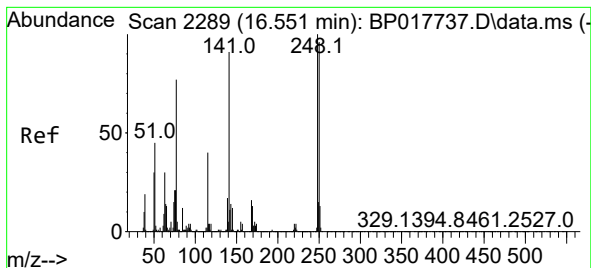
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#67
N-Nitrosodiphenylamine
Concen: 4.741 ng/ul
RT: 15.886 min Scan# 2176
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:169 Resp: 81529
Ion Ratio Lower Upper
169 100
168 68.6 53.7 80.5
167 37.9 29.4 44.0





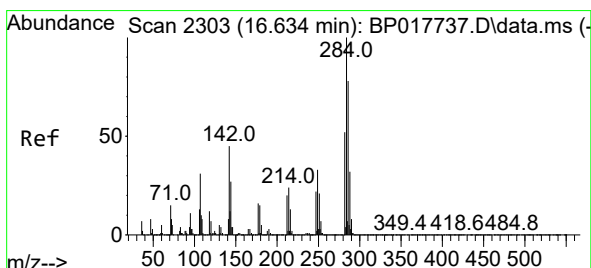
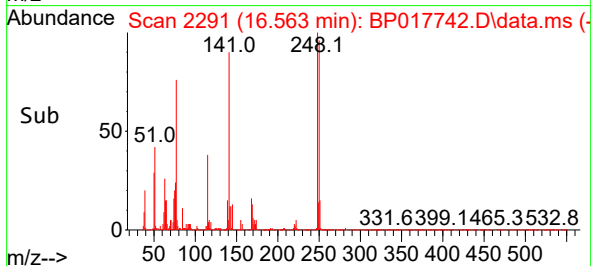
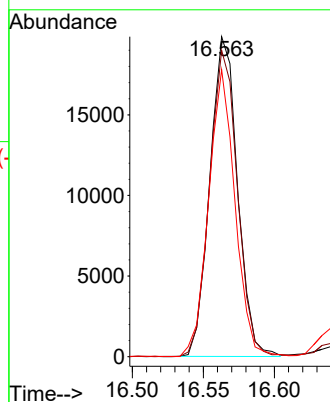
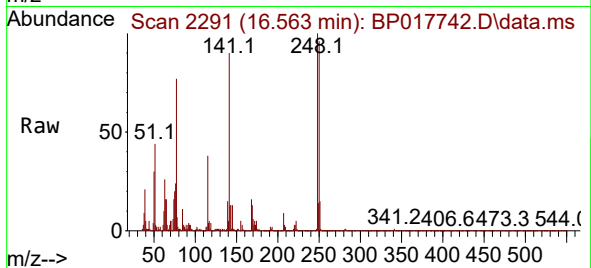
#68
4-Bromophenyl-phenylether
Concen: 4.040 ng/ul
RT: 16.563 min Scan# 210
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:248 Resp: 2683
Ion Ratio Lower Upper
248 100
250 95.7 76.8 115.2
141 89.7 52.4 78.6

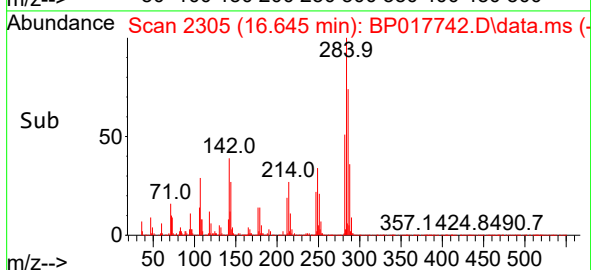
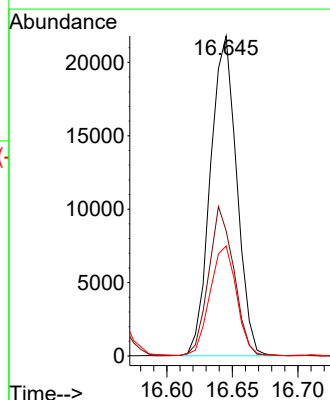
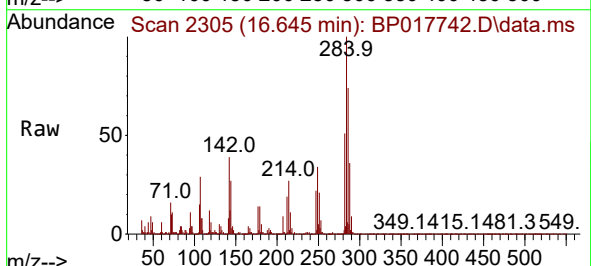
Manual Integrations
APPROVED

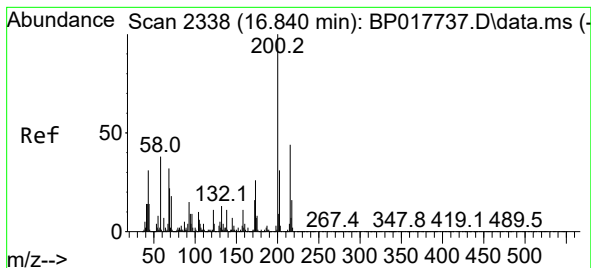
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#69
Hexachlorobenzene
Concen: 3.991 ng/ul
RT: 16.645 min Scan# 2305
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:284 Resp: 30429
Ion Ratio Lower Upper
284 100
142 39.2 27.6 41.4
249 34.4 24.5 36.7





#70

Atrazine

Concen: 3.115 ng/ul

RT: 16.851 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

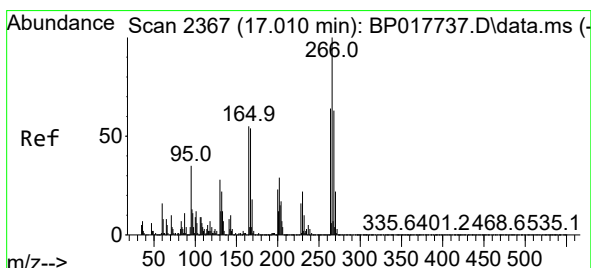
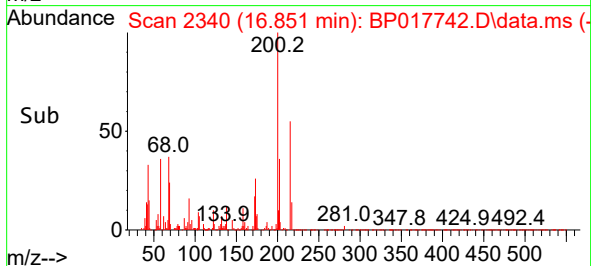
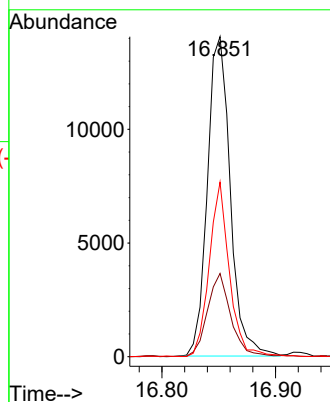
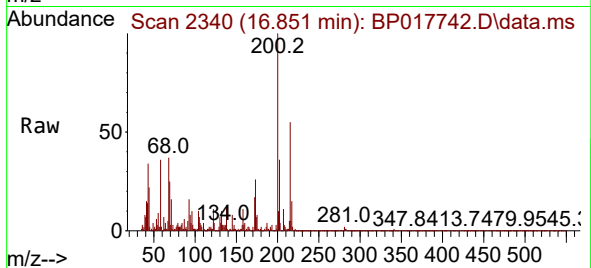
Tgt Ion:200	Resp:	19689
Ion Ratio	Lower	Upper
200	100	
173	26.0	19.8 29.6
215	54.5	38.5 57.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#71

Pentachlorophenol

Concen: 5.530 ng/ul

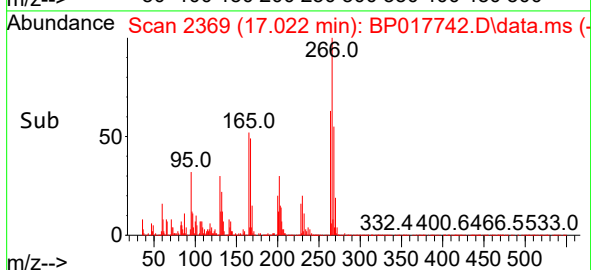
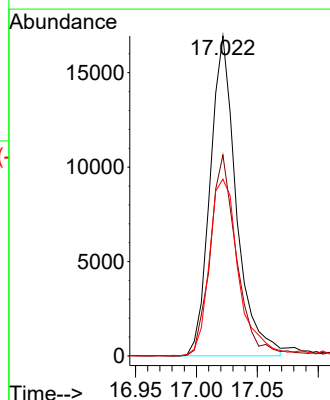
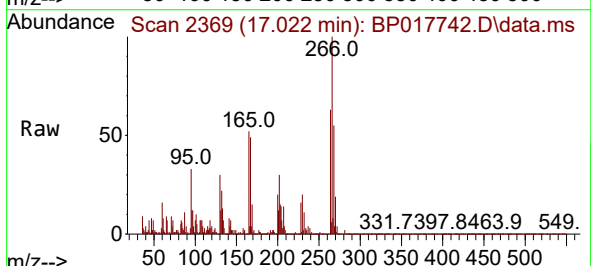
RT: 17.022 min Scan# 2369

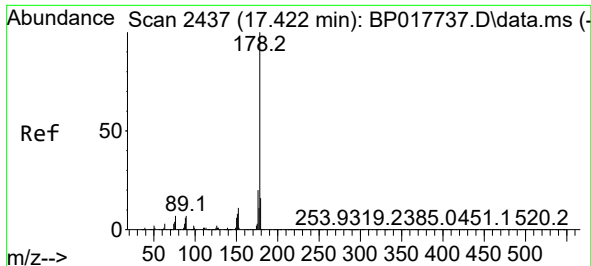
Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

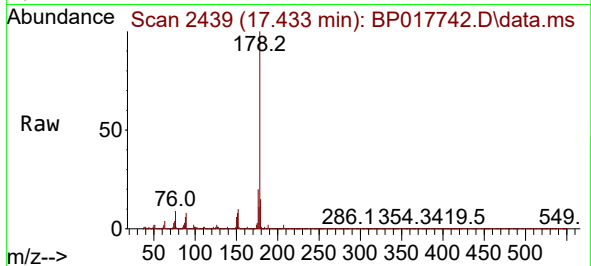
Tgt Ion:266	Resp:	25347
Ion Ratio	Lower	Upper
266	100	
264	62.8	49.4 74.2
268	55.3	50.3 75.5





#72
Phenanthrene
Concen: 4.814 ng/ul
RT: 17.433 min Scan# 2439
Delta R.T. 0.012 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

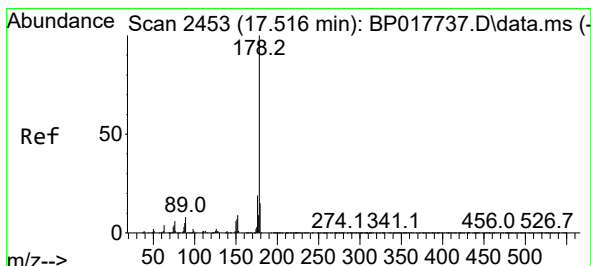
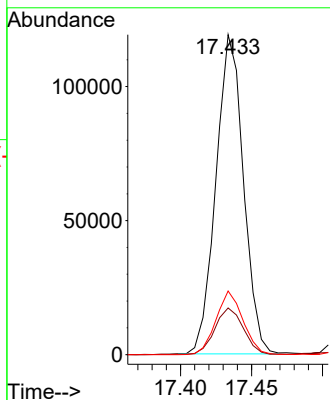
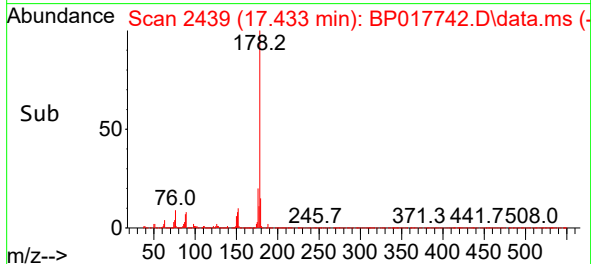
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07



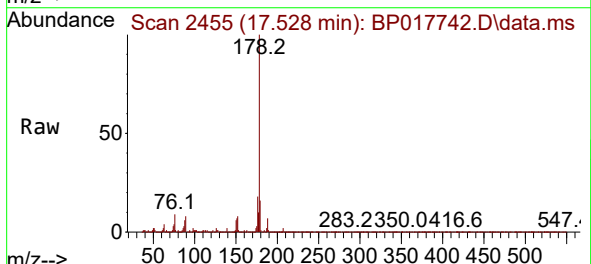
Tgt Ion:178 Resp: 160062
Ion Ratio Lower Upper
178 100
179 14.6 12.2 18.2
176 19.9 15.3 22.9

Manual Integrations
APPROVED

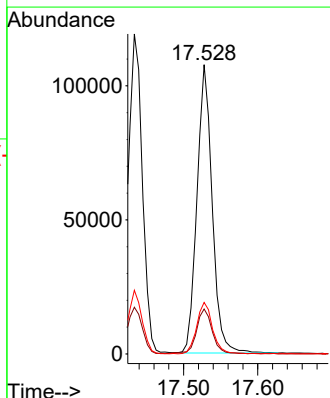
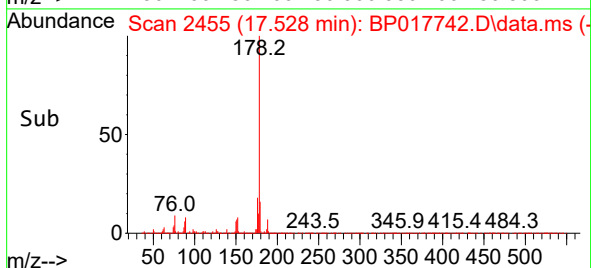
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

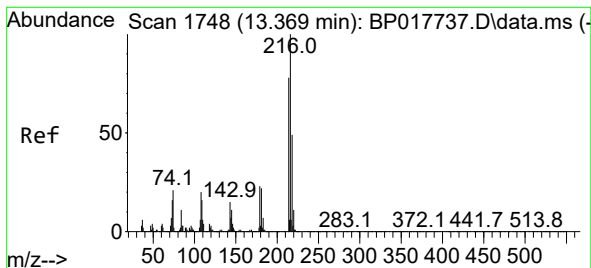


#74
Anthracene
Concen: 4.573 ng/ul
RT: 17.528 min Scan# 2455
Delta R.T. 0.018 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33



Tgt Ion:178 Resp: 154023
Ion Ratio Lower Upper
178 100
179 15.5 12.0 18.0
176 17.8 14.8 22.2





#75

1,2,3,4-Tetrachlorobenzene

Concen: 3.307 ng/uL

RT: 13.375 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

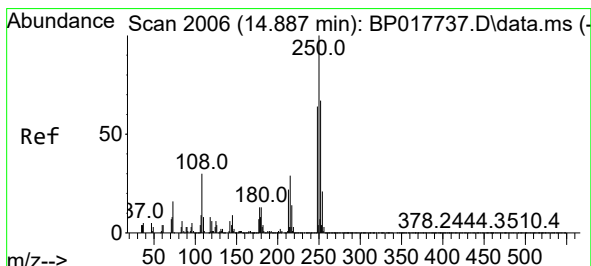
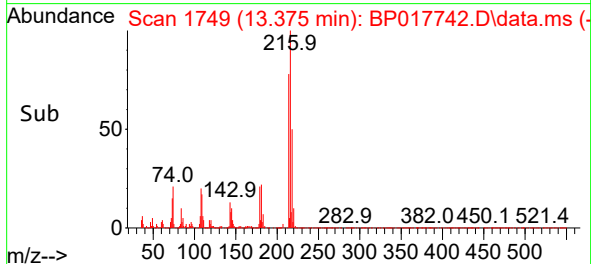
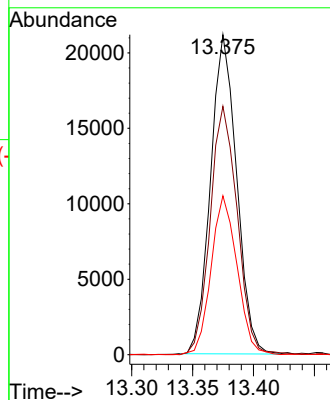
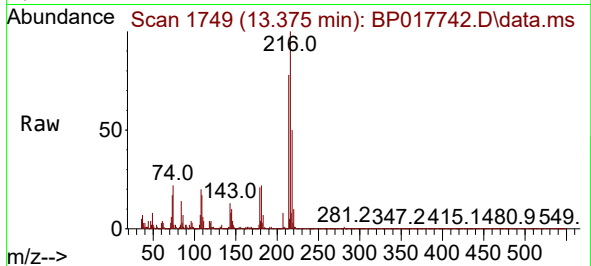
Tgt Ion:	216	Resp:	3149
Ion Ratio	Lower	Upper	
216	100		
214	77.6	60.7	91.1
218	49.7	38.2	57.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#76

Pentachlorobenzene

Concen: 3.575 ng/uL

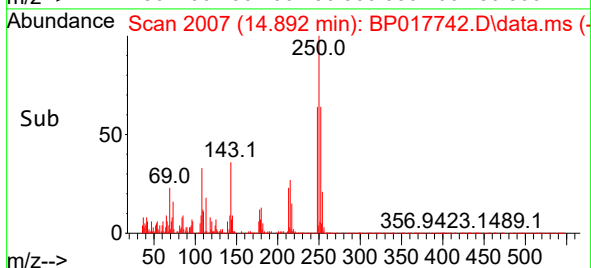
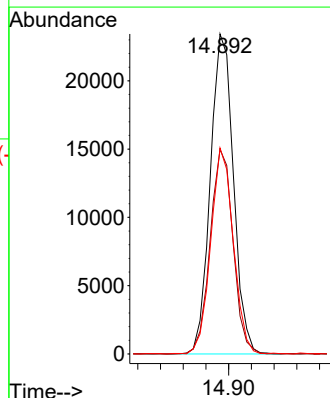
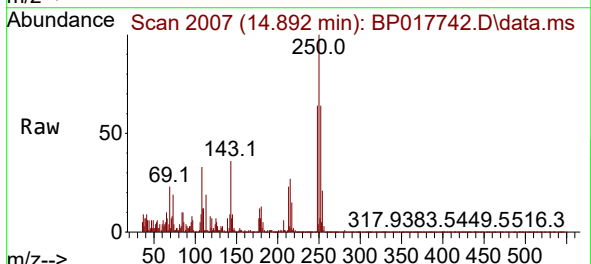
RT: 14.892 min Scan# 2007

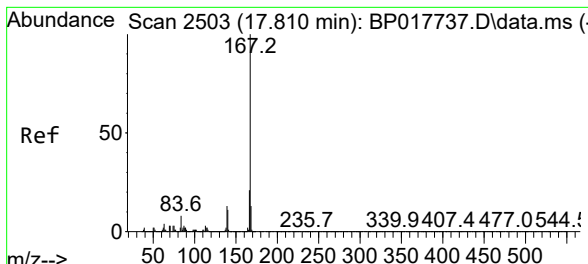
Delta R.T. 0.012 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:	250	Resp:	33000
Ion Ratio	Lower	Upper	
250	100		
248	63.9	50.2	75.4
252	64.3	49.6	74.4





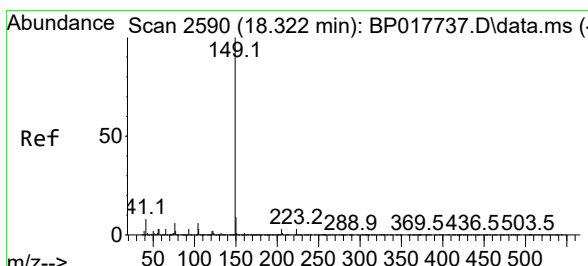
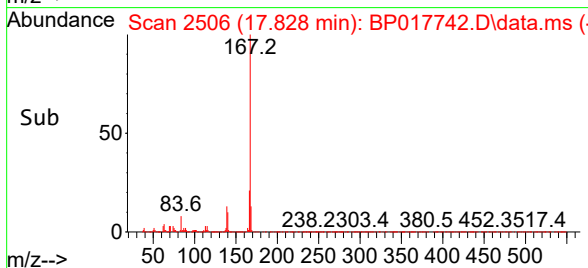
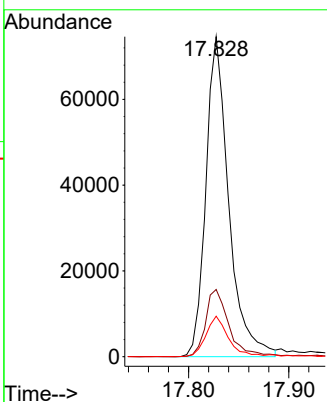
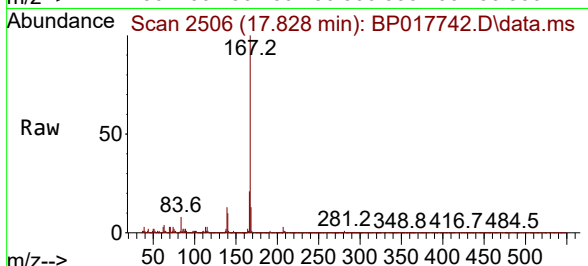
#77
 Carbazole
 Concen: 4.158 ng/ul
 RT: 17.828 min Scan# 2506
 Delta R.T. 0.018 min
 Lab File: BP017742.D
 Acq: 20 Oct 2023 15:33

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion:	167	Resp:	118350
Ion Ratio	Lower	Upper	
167	100		
166	21.0	16.7	25.1
139	12.7	9.8	14.6

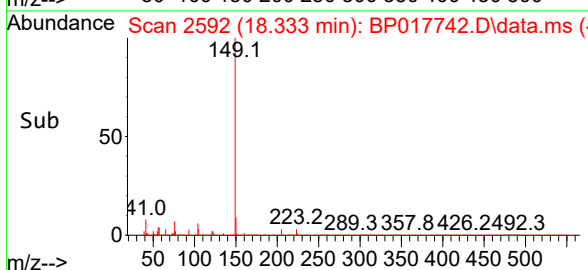
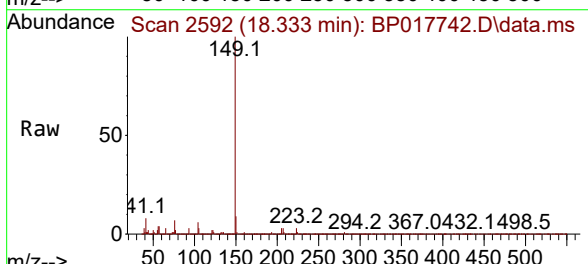
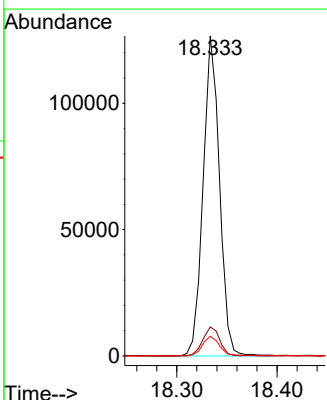
Manual Integrations
 APPROVED

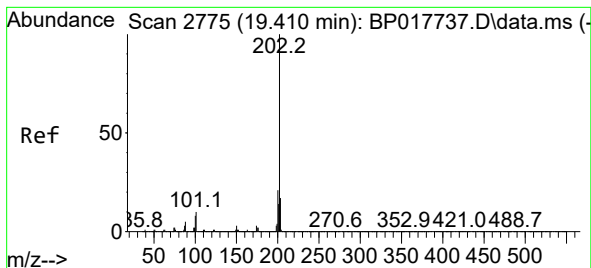
Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023



#78
 Di-n-butylphthalate
 Concen: 4.363 ng/ul
 RT: 18.333 min Scan# 2592
 Delta R.T. 0.012 min
 Lab File: BP017742.D
 Acq: 20 Oct 2023 15:33

Tgt Ion:	149	Resp:	144176
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.2	10.8
104	6.2	4.3	6.5





#80

Fluoranthene

Concen: 5.145 ng/ul

RT: 19.422 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

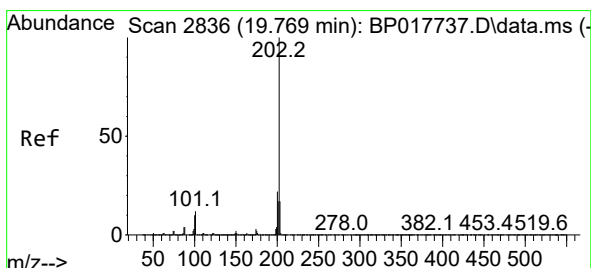
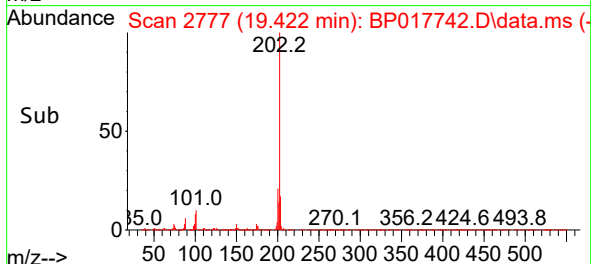
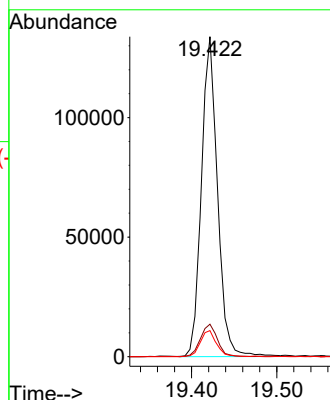
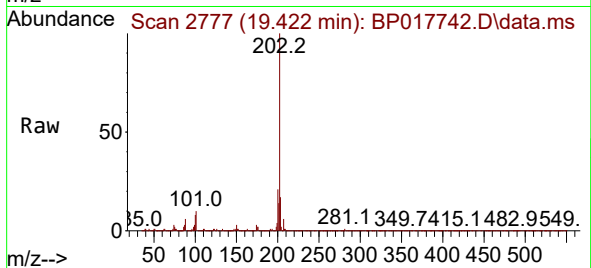
Tgt Ion:202 Resp: 175504
 Ion Ratio Lower Upper
 202 100
 101 10.1 7.1 10.7
 100 8.2 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#82

Pyrene

Concen: 5.340 ng/ul

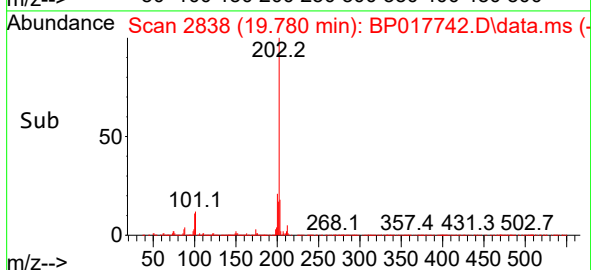
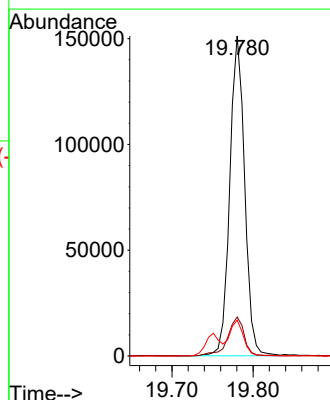
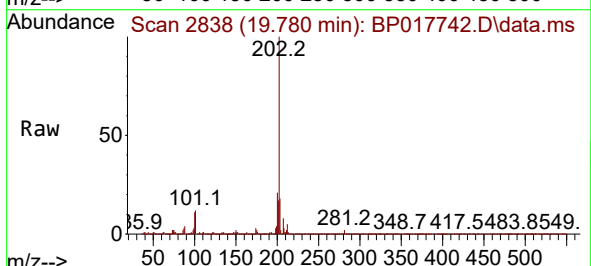
RT: 19.780 min Scan# 2838

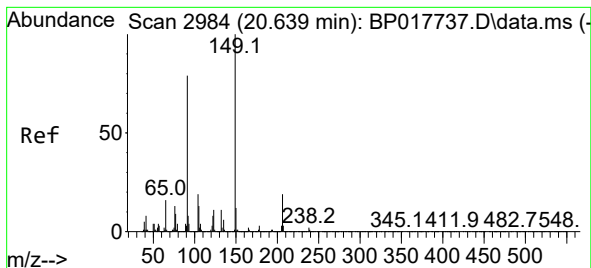
Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:202 Resp: 192969
 Ion Ratio Lower Upper
 202 100
 101 12.2 8.3 12.5
 100 11.2 7.4 11.0#





#83

Butylbenzylphthalate

Concen: 4.497 ng/ul

RT: 20.651 min Scan# 2986

Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

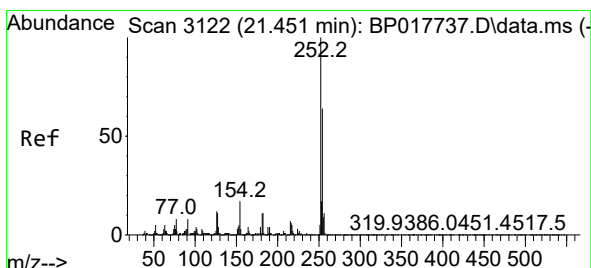
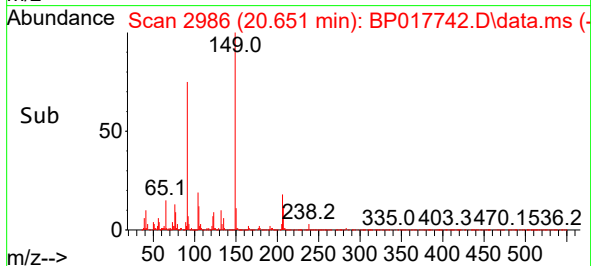
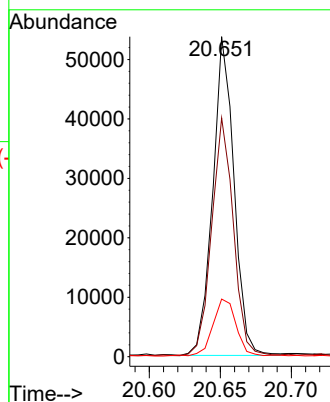
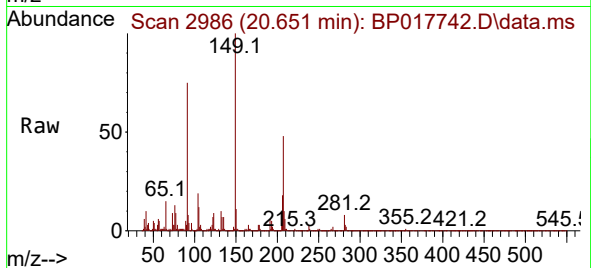
Tgt Ion:	149	Resp:	5589
Ion Ratio	Lower	Upper	
149	100		
91	74.6	58.8	88.2
206	18.0	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#84

3,3'-Dichlorobenzidine

Concen: 3.554 ng/ul

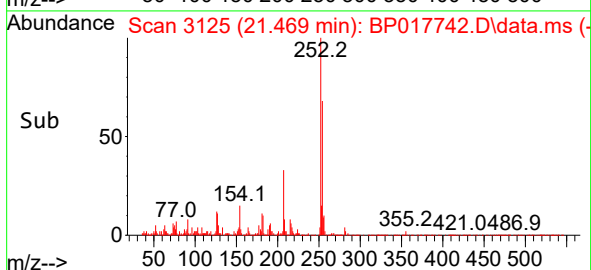
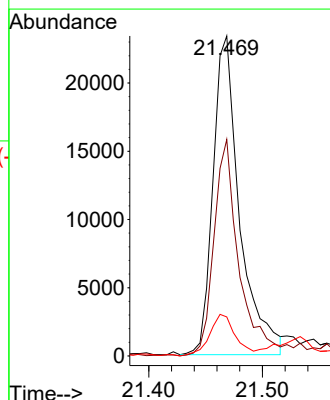
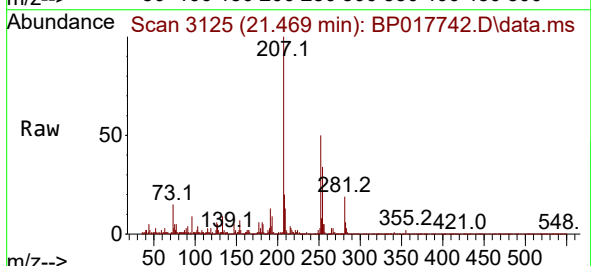
RT: 21.469 min Scan# 3125

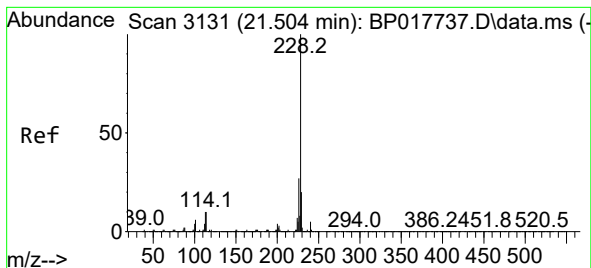
Delta R.T. 0.023 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:	252	Resp:	38023
Ion Ratio	Lower	Upper	
252	100		
254	67.6	51.8	77.8
126	12.2	7.8	11.6





#85

Benzo(a)anthracene

Concen: 4.631 ng/ul

RT: 21.516 min Scan# 3113

Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNP_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

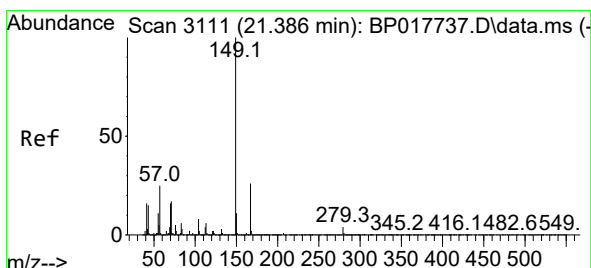
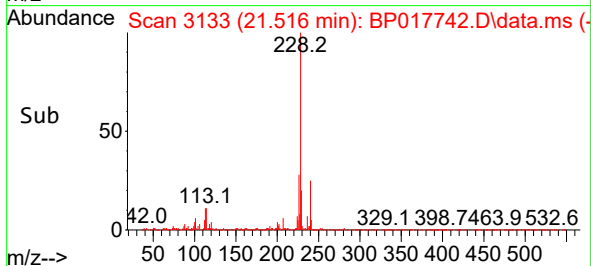
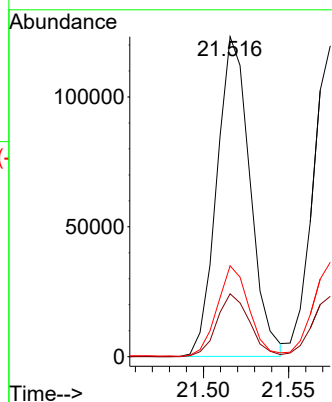
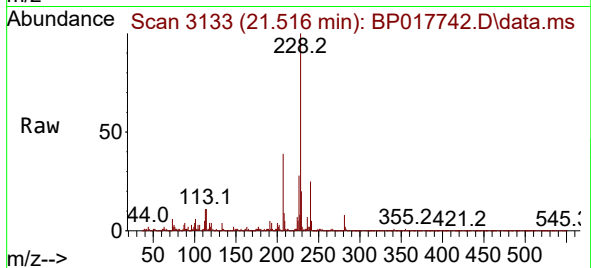
Tgt Ion:228	Resp: 16671
Ion Ratio	Lower Upper
228 100	
229 19.7	15.6 23.4
226 28.4	21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.242 ng/ul

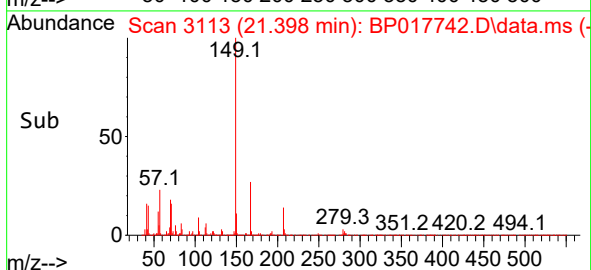
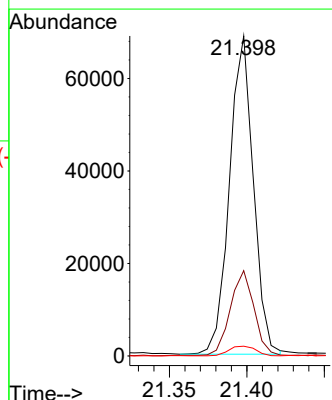
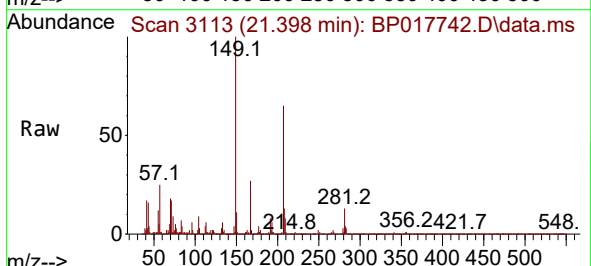
RT: 21.398 min Scan# 3113

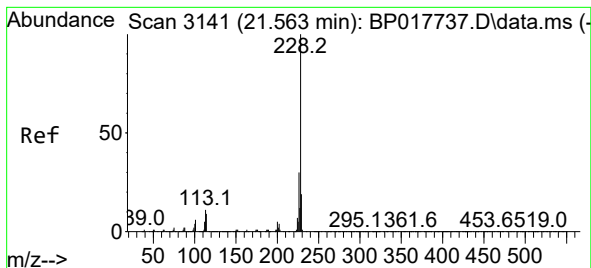
Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:149	Resp: 73598
Ion Ratio	Lower Upper
149 100	
167 26.7	21.6 32.4
279 3.0	3.6 5.4





#87

Chrysene

Concen: 4.890 ng/ul

RT: 21.574 min Scan# 3141

Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

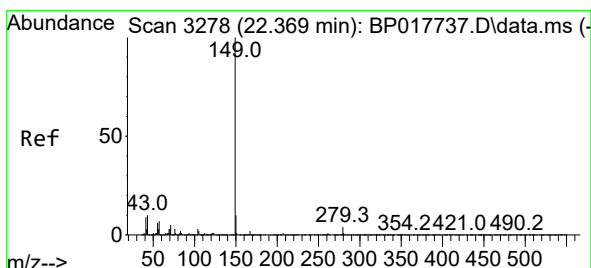
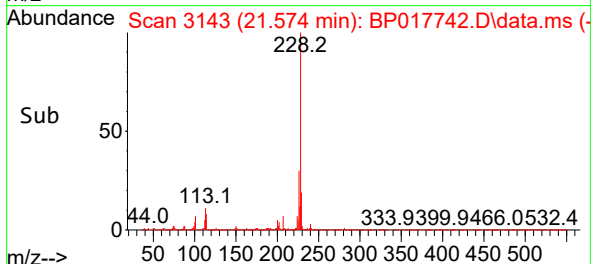
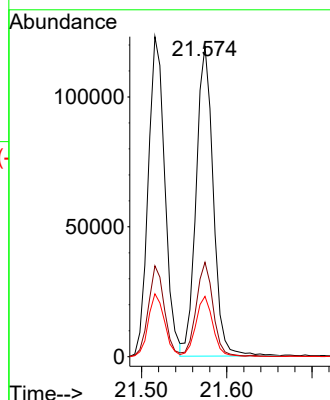
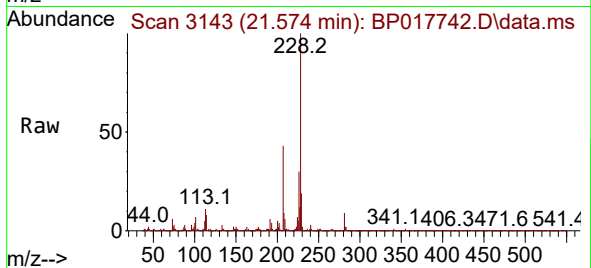
ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion:228 Resp: 166448
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.0 36.0
 229 19.4 15.5 23.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023



#89

Di-n-octyl phthalate

Concen: 4.304 ng/ul

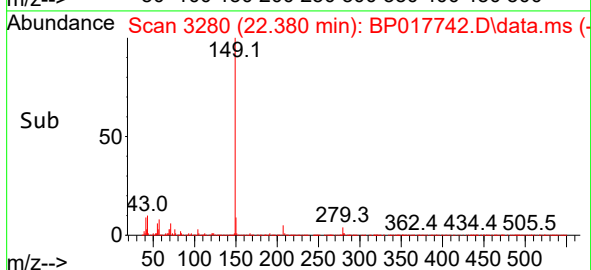
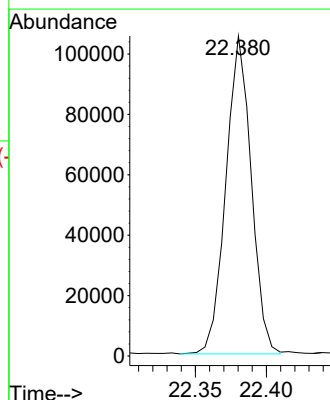
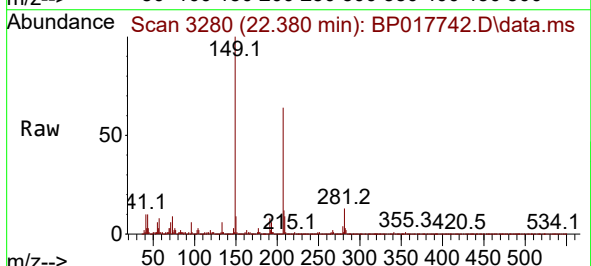
RT: 22.380 min Scan# 3280

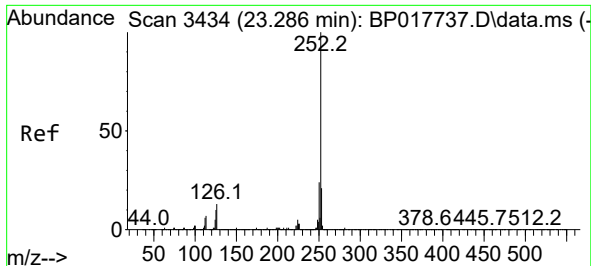
Delta R.T. 0.018 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:149 Resp: 130781





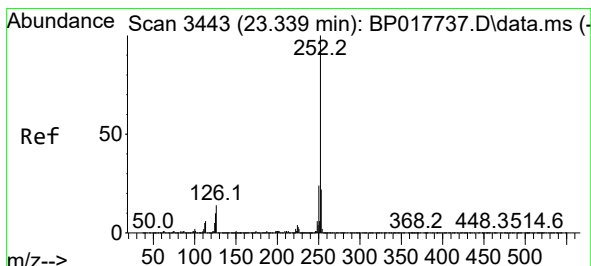
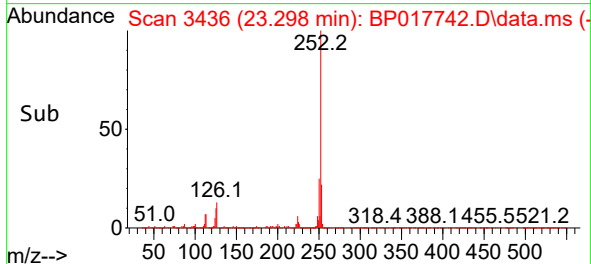
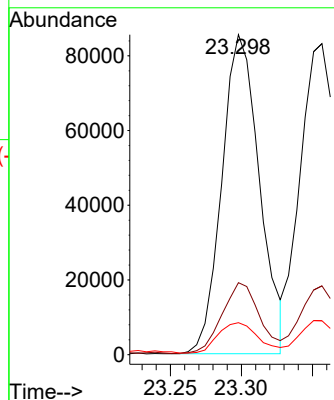
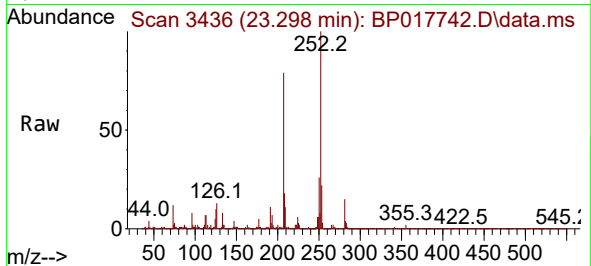
#90
Benzo(b)fluoranthene
Concen: 4.830 ng/ul
RT: 23.298 min Scan# 3436
Delta R.T. 0.023 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:252 Resp: 15772
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.0 7.1 10.7

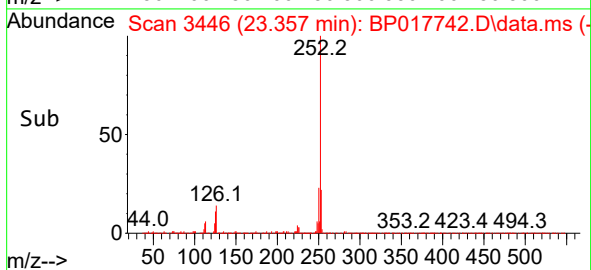
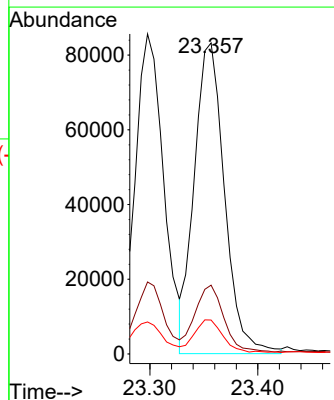
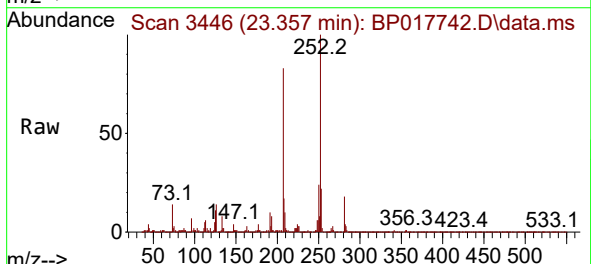
Manual Integrations
APPROVED

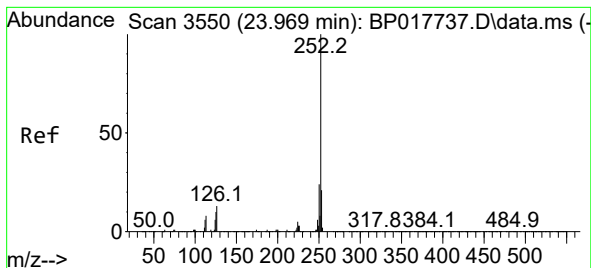
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#91
Benzo(k)fluoranthene
Concen: 4.896 ng/ul m
RT: 23.357 min Scan# 3446
Delta R.T. 0.029 min
Lab File: BP017742.D
Acq: 20 Oct 2023 15:33

Tgt Ion:252 Resp: 162032
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.9 7.0 10.6#





#93

Benzo(a)pyrene

Concen: 4.815 ng/ul

RT: 23.980 min Scan# 3552

Delta R.T. 0.023 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

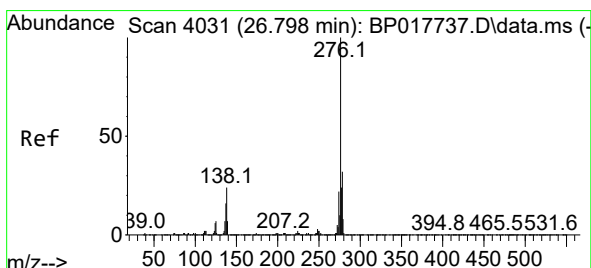
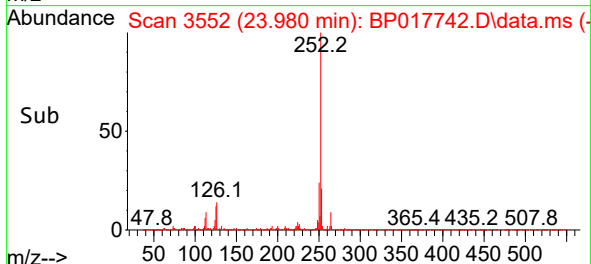
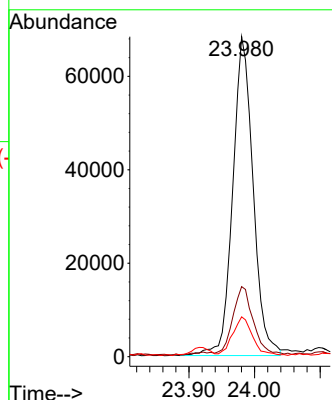
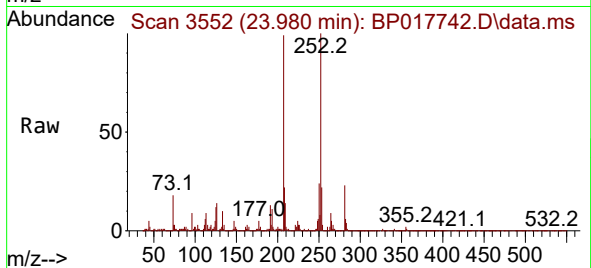
Tgt Ion:	252	Resp:	14758
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.4	26.2
125	12.4	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.682 ng/ul

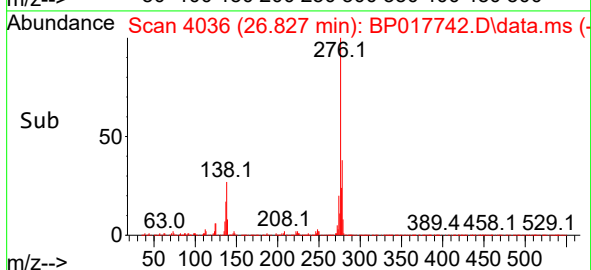
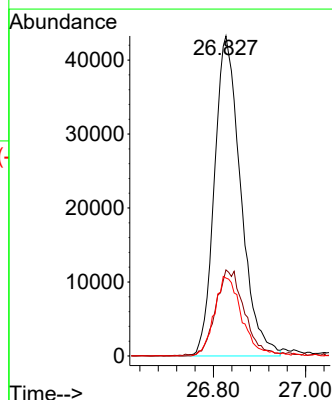
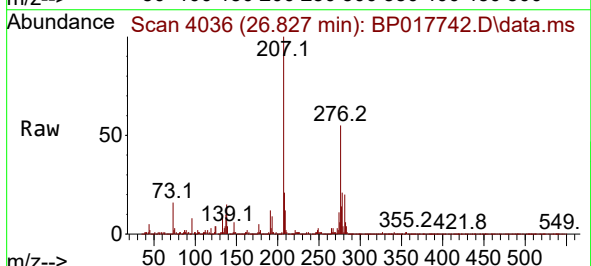
RT: 26.827 min Scan# 4036

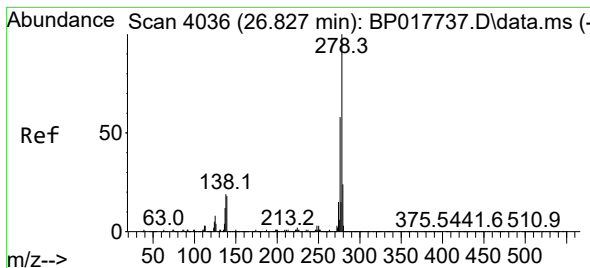
Delta R.T. 0.047 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:	276	Resp:	171033
Ion Ratio	Lower	Upper	
276	100		
138	26.9	15.6	23.4
277	24.4	19.4	29.2





#95

Dibenzo(a,h)anthracene

Concen: 4.647 ng/ul

RT: 26.856 min Scan# 4036

Delta R.T. 0.047 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-QT4-2023-07

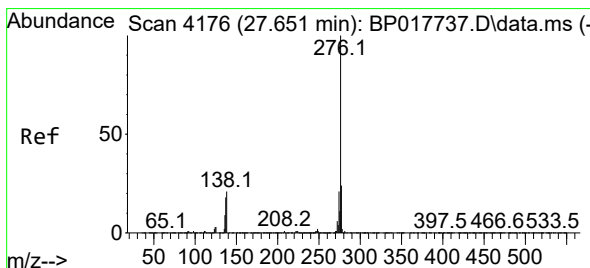
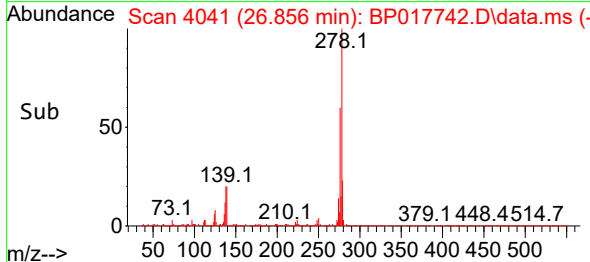
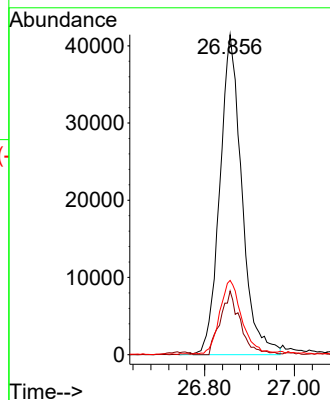
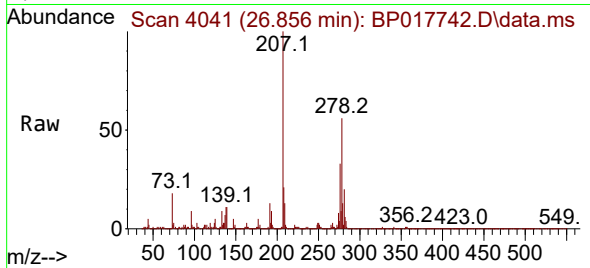
Tgt Ion:278	Resp: 14164
Ion Ratio	Lower Upper
278 100	
139 19.9	11.4 17.2
279 23.2	18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#96

Benzo(g,h,i)perylene

Concen: 4.703 ng/ul

RT: 27.674 min Scan# 4180

Delta R.T. 0.047 min

Lab File: BP017742.D

Acq: 20 Oct 2023 15:33

Tgt Ion:276	Resp: 138418
Ion Ratio	Lower Upper
276 100	
138 23.6	15.0 22.6
277 22.8	18.5 27.7

