

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
 Data File : BP009503.D
 Acq On : 23 Mar 2022 12:42
 Operator : CG/JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 23 13:46:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 23 13:46:21 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	408499	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1532621	20.000	ng	-0.01
39) Acenaphthene-d10	14.434	164	922982	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	1765949	20.000	ng	0.00
76) Chrysene-d12	21.316	240	1714736	20.000	ng	0.00
86) Perylene-d12	23.715	264	1964588	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2727667	116.581	ng	-0.01
7) Phenol-d6	6.981	99	3702840	117.025	ng	-0.01
23) Nitrobenzene-d5	8.946	82	2470587	85.663	ng	-0.01
42) 2,4,6-Tribromophenol	15.933	330	1458316	95.748	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	5633061	84.607	ng	0.00
79) Terphenyl-d14	19.774	244	7298612	76.398	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.328	88	73864	7.970	ng	99
3) Pyridine	3.728	79	169993	6.811	ng	# 95
4) n-Nitrosodimethylamine	3.634	42	69355	7.545	ng	# 95
6) Aniline	7.122	93	294448	8.165	ng	98
8) 2-Chlorophenol	7.363	128	197040	7.385	ng	98
9) Benzaldehyde	6.940	77	174120m	10.382	ng	
10) Phenol	7.005	94	239639	7.549	ng	93
11) bis(2-Chloroethyl)ether	7.216	93	185301	7.376	ng	97
12) 1,3-Dichlorobenzene	7.681	146	227600	7.558	ng	98
13) 1,4-Dichlorobenzene	7.828	146	230824	7.497	ng	99
14) 1,2-Dichlorobenzene	8.140	146	219703	7.383	ng	98
15) Benzyl Alcohol	8.046	79	200827m	7.961	ng	
16) 2,2'-oxybis(1-Chloropr...	8.322	45	219287	8.052	ng	95
17) 2-Methylphenol	8.252	107	155352	7.102	ng	97
18) Hexachloroethane	8.863	117	80355	7.447	ng	98
19) n-Nitroso-di-n-propyla...	8.599	70	145312	7.261	ng	99
20) 3+4-Methylphenols	8.581	107	204836	6.810	ng	98
22) Acetophenone	8.616	105	294543	7.765	ng	# 96
24) Nitrobenzene	8.987	77	225451	8.275	ng	98
25) Isophorone	9.516	82	393786	8.005	ng	100
26) 2-Nitrophenol	9.704	139	95636	6.734	ng	97
27) 2,4-Dimethylphenol	9.775	122	165959	8.282	ng	99
28) bis(2-Chloroethoxy)met...	10.004	93	239840	7.488	ng	97
29) 2,4-Dichlorophenol	10.263	162	165906	6.787	ng	99
30) 1,2,4-Trichlorobenzene	10.451	180	208713	7.370	ng	100
31) Naphthalene	10.634	128	612374	7.757	ng	100
32) Benzoic acid	9.946	122	58833m	3.755	ng	
33) 4-Chloroaniline	10.757	127	243170	7.548	ng	99
34) Hexachlorobutadiene	10.922	225	131961	6.877	ng	98
35) Caprolactam	11.534	113	49297	5.976	ng	97
36) 4-Chloro-3-methylphenol	11.904	107	173354	6.600	ng	98
37) 2-Methylnaphthalene	12.251	142	410802	7.416	ng	97
38) 1-Methylnaphthalene	12.469	142	394718	7.315	ng	99
40) 1,2,4,5-Tetrachloroben...	12.628	216	236130	7.711	ng	99
41) Hexachlorocyclopentadiene	12.604	237	40032	3.710	ng	99
43) 2,4,6-Trichlorophenol	12.875	196	135447	6.673	ng	96

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Instrument :
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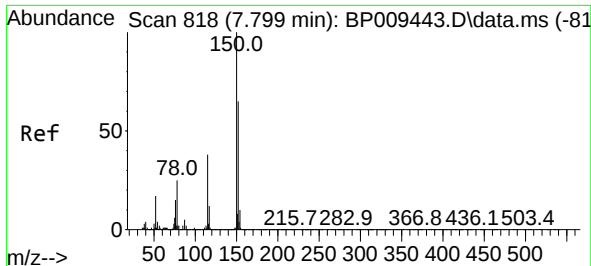
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.963	196	148822	6.752	ng	97
46) 1,1'-Biphenyl	13.269	154	556034	8.075	ng	97
47) 2-Chloronaphthalene	13.304	162	418722	7.724	ng	98
48) 2-Nitroaniline	13.522	65	96505	6.536	ng	97
49) Acenaphthylene	14.151	152	663498	7.928	ng	99
50) Dimethylphthalate	13.892	163	486950	6.963	ng	99
51) 2,6-Dinitrotoluene	14.010	165	99480	6.789	ng	98
52) Acenaphthene	14.498	154	376345	7.528	ng	99
53) 3-Nitroaniline	14.351	138	96476	6.233	ng	97
54) 2,4-Dinitrophenol	14.592	184	25127m	3.122	ng	
55) Dibenzofuran	14.834	168	618285	7.362	ng	100
56) 4-Nitrophenol	14.728	139	44042	3.817	ng	91
57) 2,4-Dinitrotoluene	14.810	165	121378	6.024	ng	96
58) Fluorene	15.486	166	481696	7.293	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.075	232	124276	6.219	ng	93
60) Diethylphthalate	15.263	149	472034	6.744	ng	99
61) 4-Chlorophenyl-phenyle...	15.486	204	256708	7.055	ng	95
62) 4-Nitroaniline	15.522	138	92847	5.712	ng	97
63) Azobenzene	15.781	77	432272	7.099	ng	99
65) 4,6-Dinitro-2-methylph...	15.586	198	49972	4.401	ng	94
66) n-Nitrosodiphenylamine	15.704	169	411095	7.866	ng	98
67) 4-Bromophenyl-phenylether	16.386	248	152224	7.044	ng	96
68) Hexachlorobenzene	16.504	284	174356	7.011	ng	97
69) Atrazine	16.663	200	138672	7.547	ng	98
70) Pentachlorophenol	16.869	266	63428	4.771	ng	97
71) Phenanthrene	17.239	178	720500	7.622	ng	100
72) Anthracene	17.333	178	716410	7.676	ng	99
73) Carbazole	17.616	167	635305	6.960	ng	100
74) Di-n-butylphthalate	18.169	149	743664	6.953	ng	99
75) Fluoranthene	19.222	202	813099	7.105	ng	98
77) Benzidine	19.410	184	434998	10.350	ng	99
78) Pyrene	19.580	202	850830	7.530	ng	99
80) Butylbenzylphthalate	20.463	149	342664	7.135	ng	93
81) Benzo(a)anthracene	21.298	228	862767	7.658	ng	99
82) 3,3'-Dichlorobenzidine	21.239	252	339389	7.798	ng	99
83) Chrysene	21.351	228	801805	7.516	ng	98
84) Bis(2-ethylhexyl)phtha...	21.233	149	527503	7.880	ng	99
85) Di-n-octyl phthalate	22.157	149	935199	8.105	ng	99
87) Indeno(1,2,3-cd)pyrene	26.221	276	1101443	7.390	ng	97
88) Benzo(b)fluoranthene	22.986	252	913864	7.792	ng	98
89) Benzo(k)fluoranthene	23.033	252	886461	7.720	ng	99
90) Benzo(a)pyrene	23.610	252	903872	9.008	ng	99
91) Dibenzo(a,h)anthracene	26.239	278	968723	7.798	ng	98
92) Benzo(g,h,i)perylene	26.986	276	954634	7.812	ng	97

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



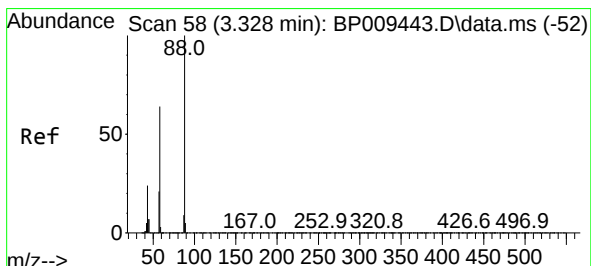
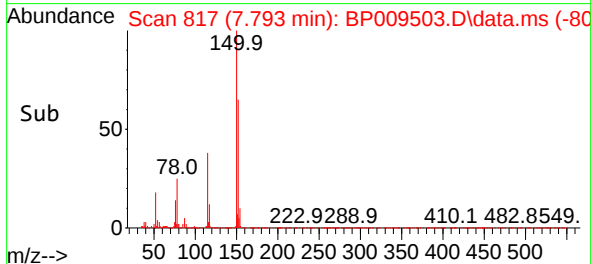
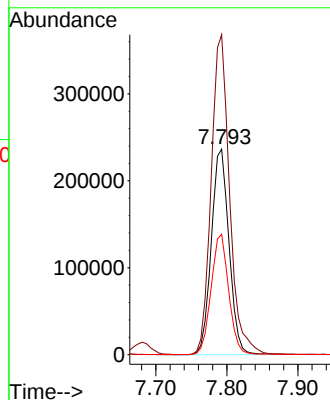
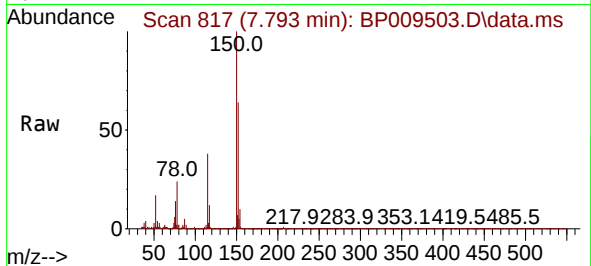
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.793 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP009503.D
 Acq: 23 Mar 2022 12:42

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Tgt Ion:152 Resp: 408499
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.5 186.7
 115 58.6 48.2 72.4

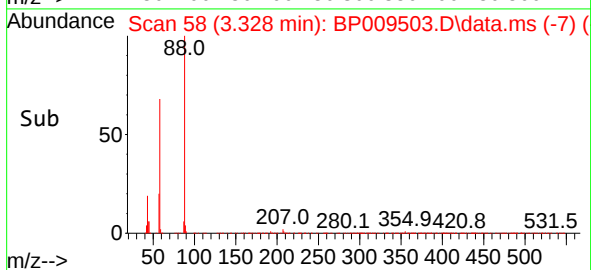
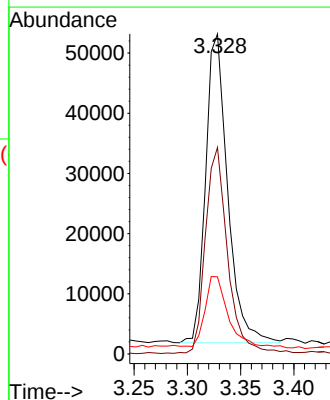
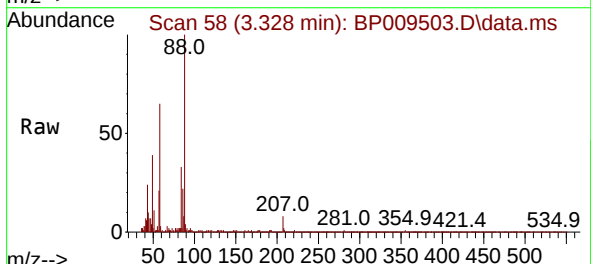
Manual Integrations
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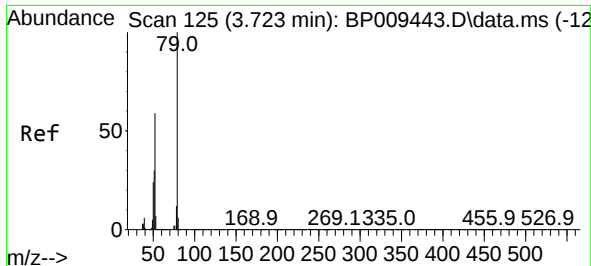
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#2
 1,4-Dioxane
 Concen: 7.970 ng
 RT: 3.328 min Scan# 58
 Delta R.T. -0.000 min
 Lab File: BP009503.D
 Acq: 23 Mar 2022 12:42

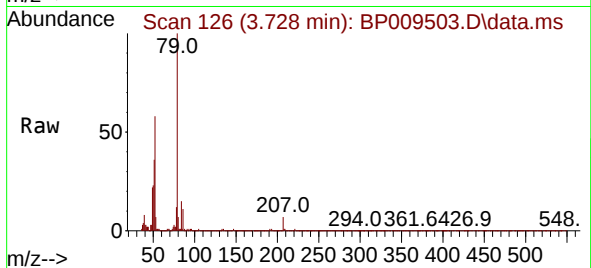
Tgt Ion: 88 Resp: 73864
 Ion Ratio Lower Upper
 88 100
 58 67.3 54.2 81.2
 43 24.8 20.4 30.6





#3
Pyridine
Concen: 6.811 ng
RT: 3.728 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

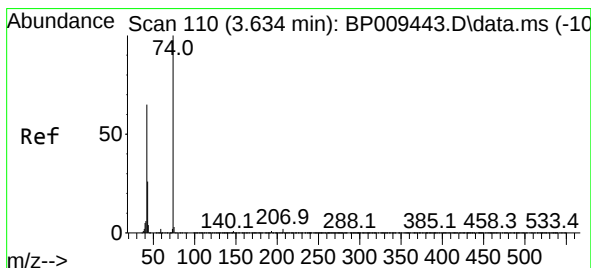
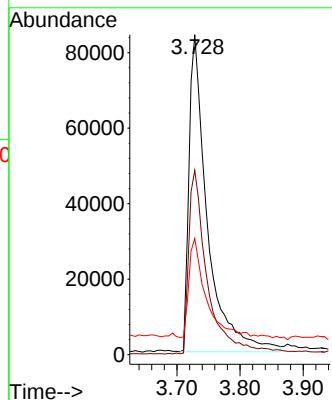
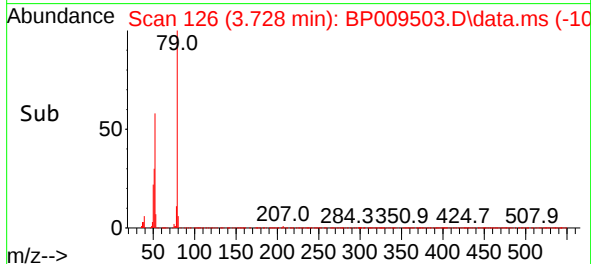
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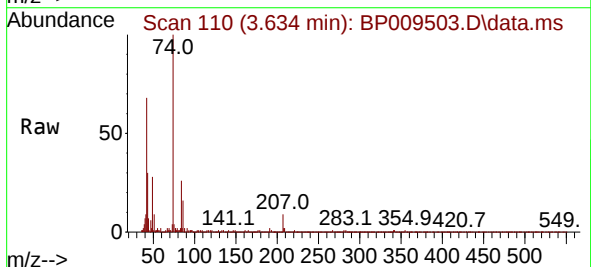
Tgt Ion: 79 Resp: 16999
Ion Ratio Lower Upper
79 100
52 57.6 47.5 71.3
51 36.3 24.1 36.1

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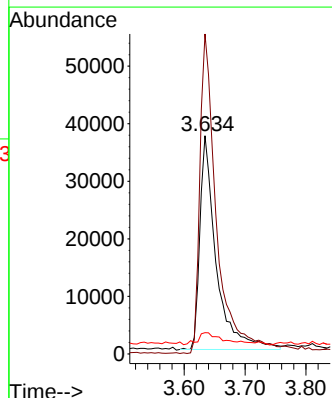
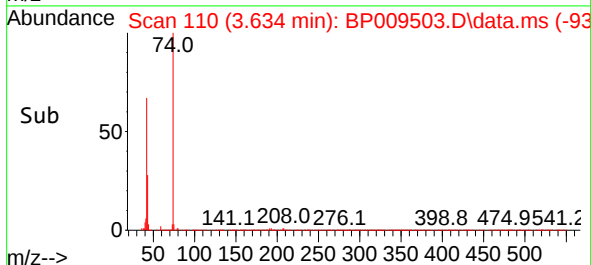
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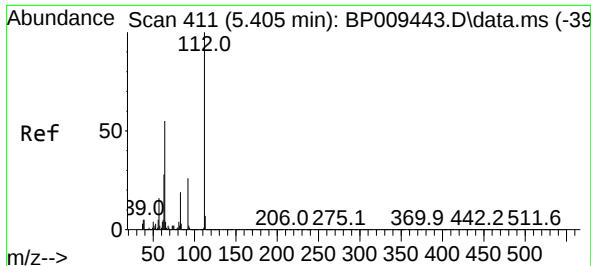


#4
n-Nitrosodimethylamine
Concen: 7.545 ng
RT: 3.634 min Scan# 110
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



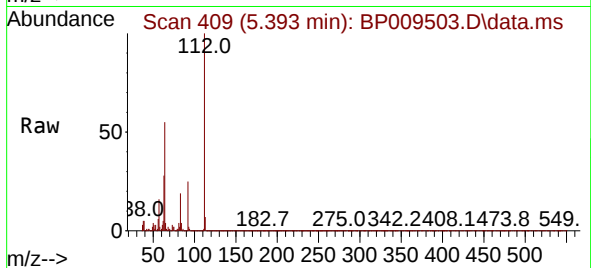
Tgt Ion: 42 Resp: 69355
Ion Ratio Lower Upper
42 100
74 146.7 122.1 183.1
44 9.8 5.8 8.8





#5
2-Fluorophenol
Concen: 116.581 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

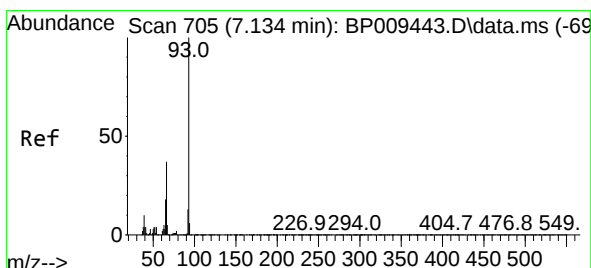
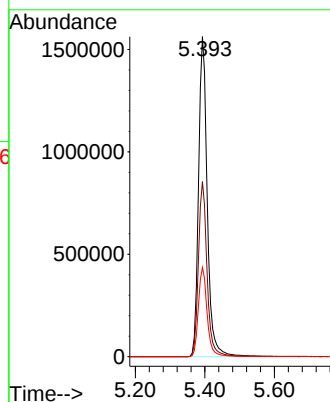
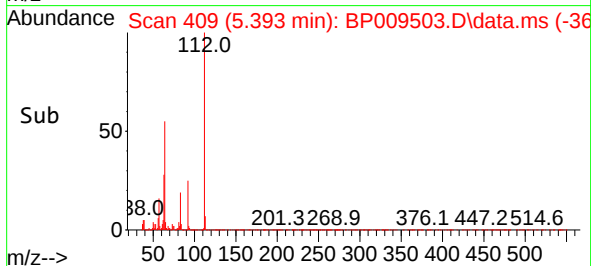
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:112 Resp: 272766
Ion Ratio Lower Upper
112 100
64 54.7 45.0 67.4
63 27.9 23.0 34.6

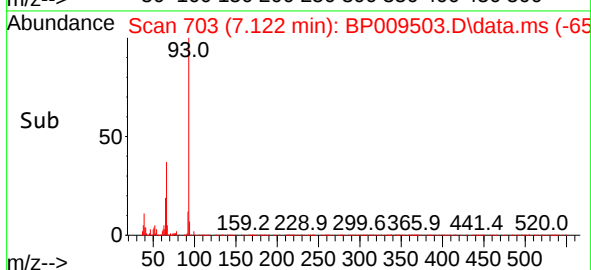
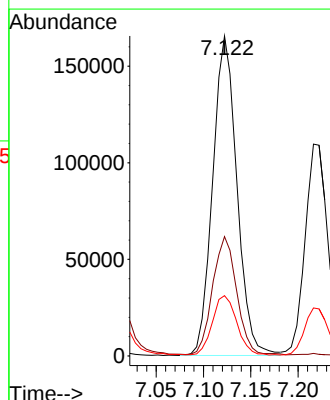
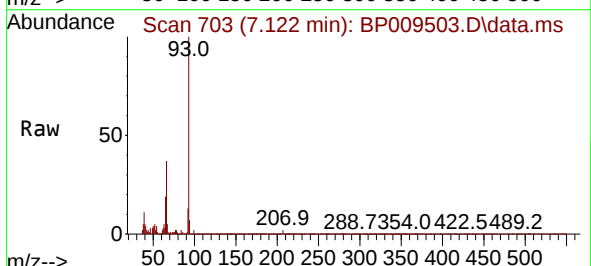
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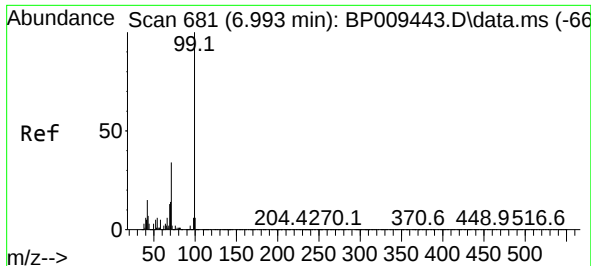
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#6
Aniline
Concen: 8.165 ng
RT: 7.122 min Scan# 703
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

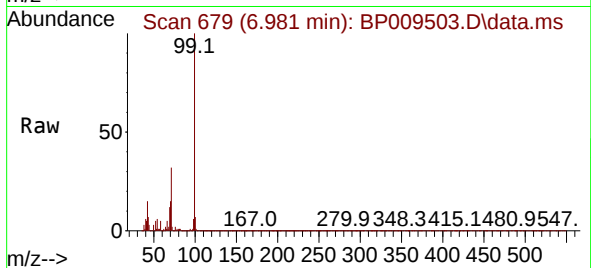
Tgt Ion: 93 Resp: 294448
Ion Ratio Lower Upper
93 100
66 37.3 30.9 46.3
65 18.8 15.8 23.8





#7
Phenol-d6
Concen: 117.025 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

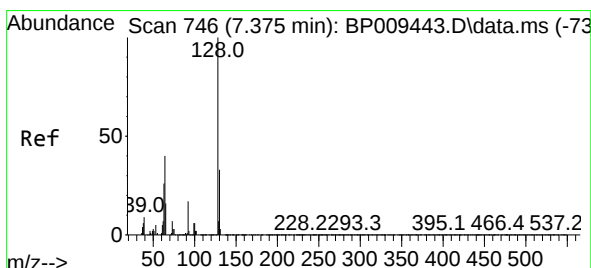
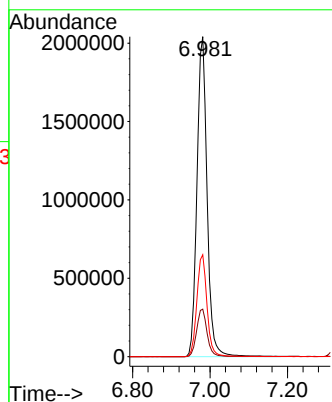
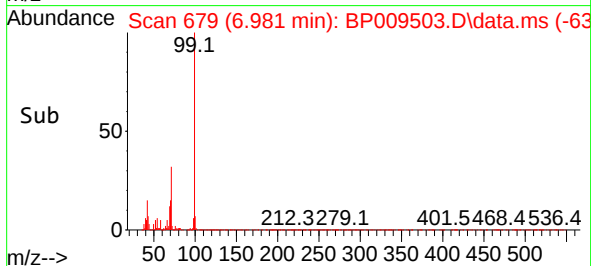
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Tgt Ion: 99 Resp: 3702840
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 31.9 26.3 39.5

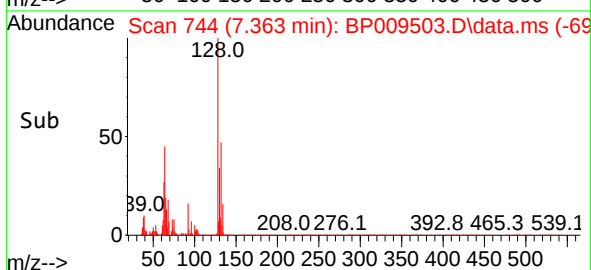
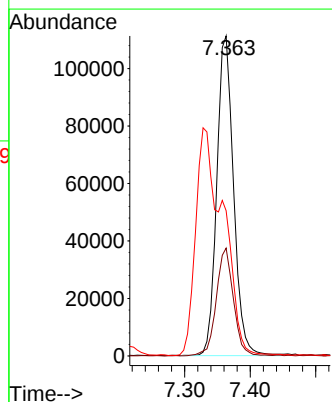
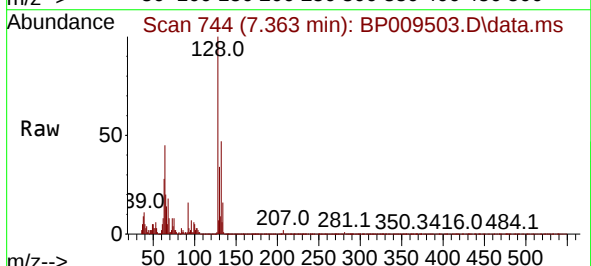
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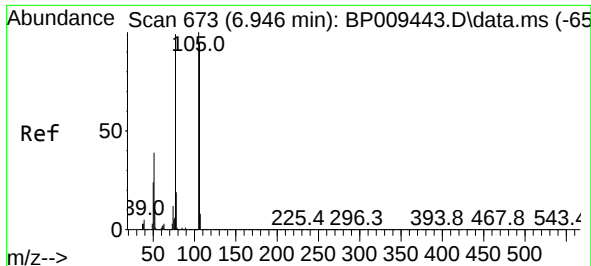
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#8
2-Chlorophenol
Concen: 7.385 ng
RT: 7.363 min Scan# 744
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

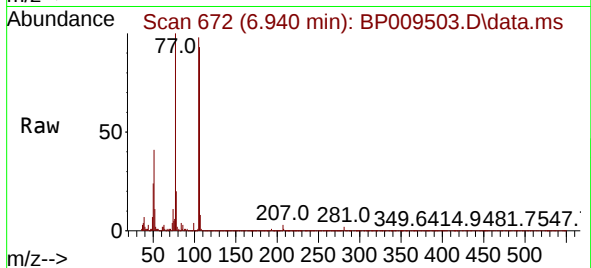
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Ion Ratio Lower Upper
128 100
130 33.7 12.5 52.5
64 45.4 26.2 66.2





#9
Benzaldehyde
Concen: 10.382 ng m
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

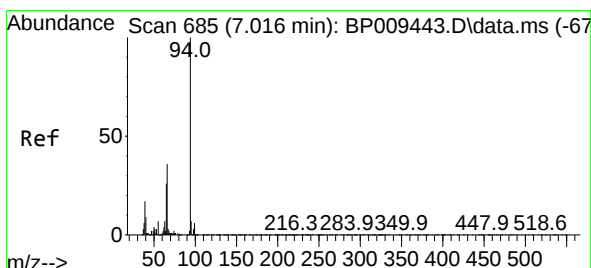
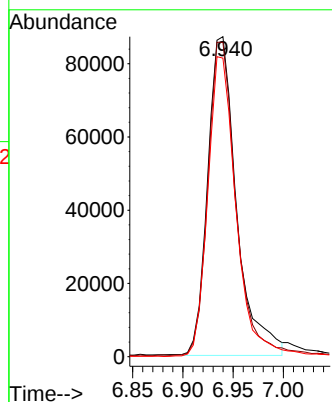
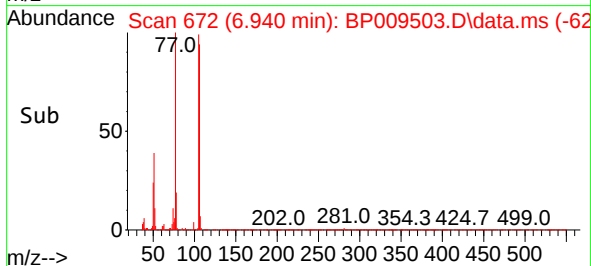
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BNA_P
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Tgt Ion: 77 Resp: 174120
Ion Ratio Lower Upper
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105 98.2 75.2 115.2
106 93.3 72.3 112.3

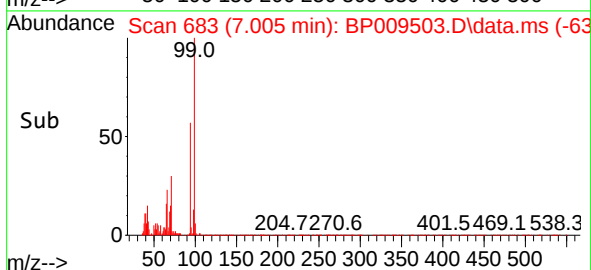
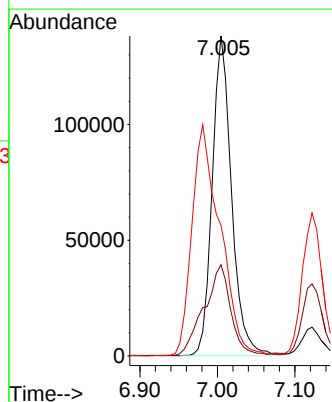
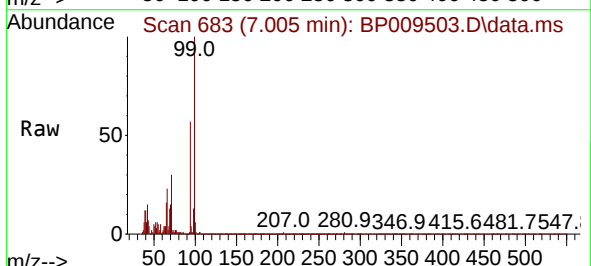
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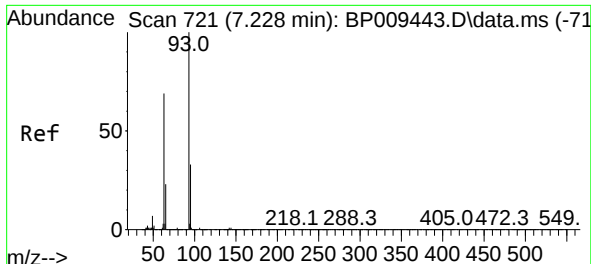
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#10
Phenol
Concen: 7.549 ng
RT: 7.005 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

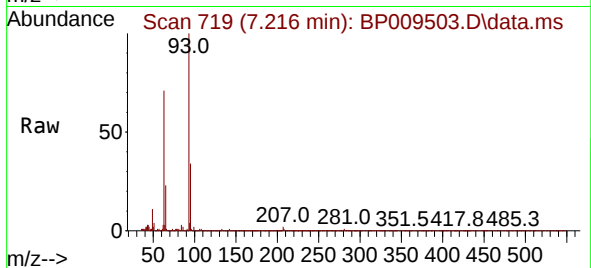
Tgt Ion: 94 Resp: 239639
Ion Ratio Lower Upper
94 100
65 28.5 7.2 47.2
66 40.8 14.3 54.3





#11
bis(2-Chloroethyl)ether
Concen: 7.376 ng
RT: 7.216 min Scan# 719
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

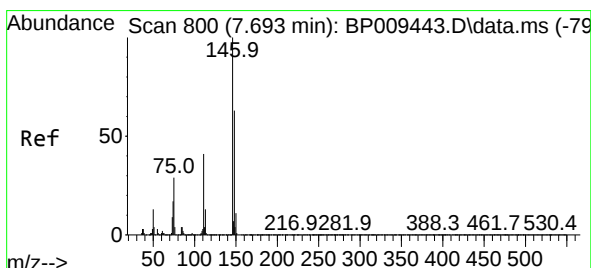
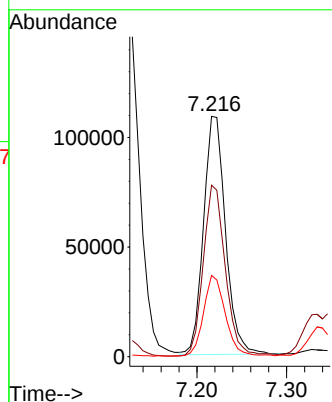
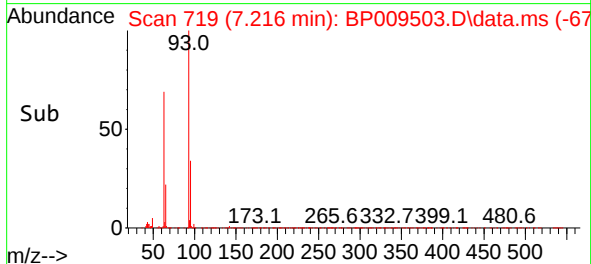
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



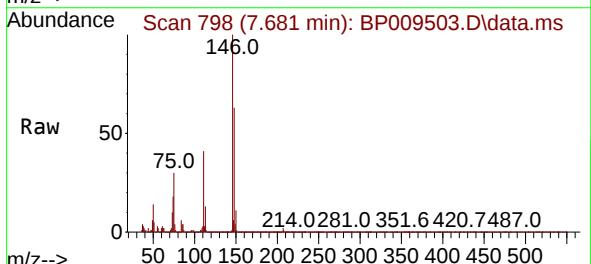
Tgt Ion: 93 Resp: 18530
Ion Ratio Lower Upper
93 100
63 71.4 53.5 93.5
95 33.8 12.0 52.0

Manual Integrations
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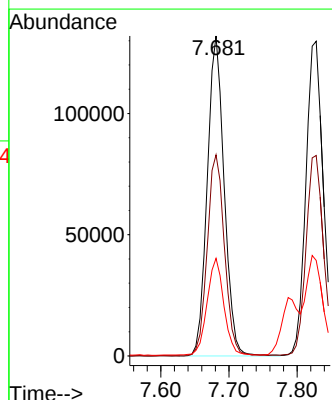
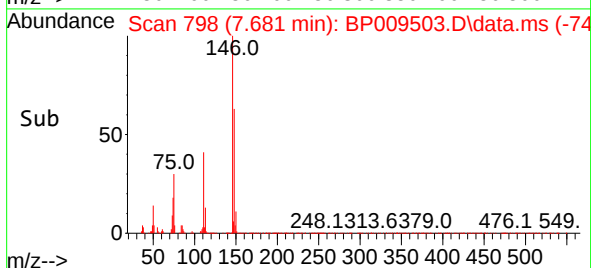
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

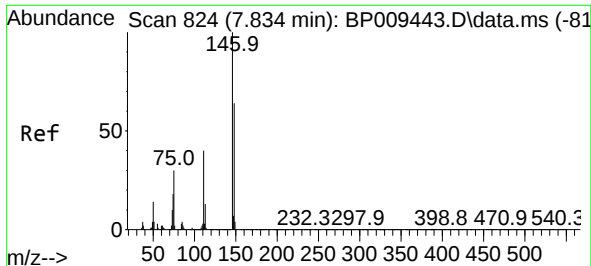


#12
1,3-Dichlorobenzene
Concen: 7.558 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



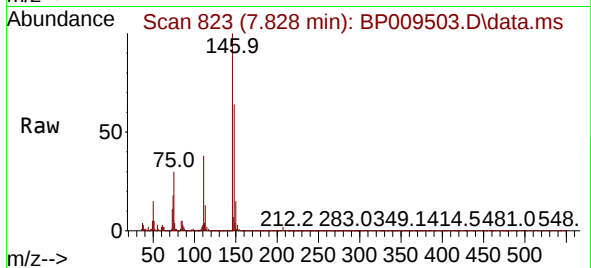
Tgt Ion:146 Resp: 227600
Ion Ratio Lower Upper
146 100
148 62.9 51.4 77.0
75 30.5 25.3 37.9





#13
1,4-Dichlorobenzene
Concen: 7.497 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

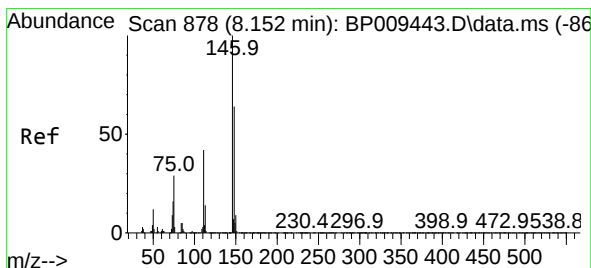
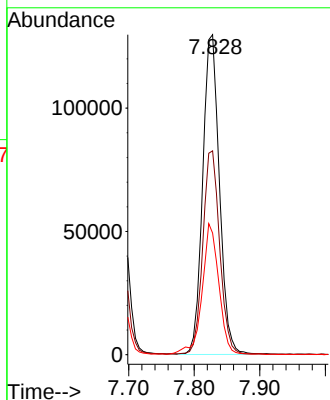
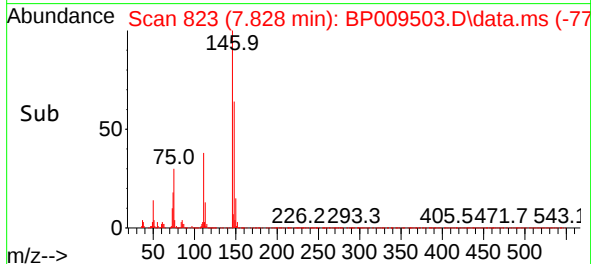
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



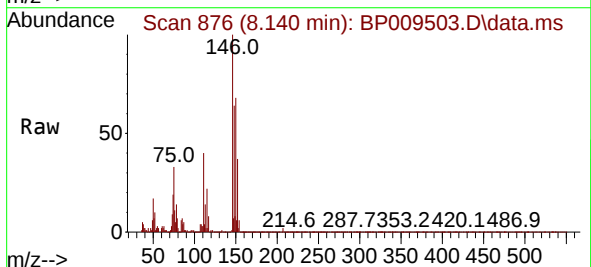
Tgt Ion:146 Resp: 230824
Ion Ratio Lower Upper
146 100
148 63.7 51.1 76.7
111 38.0 32.1 48.1

Manual Integrations
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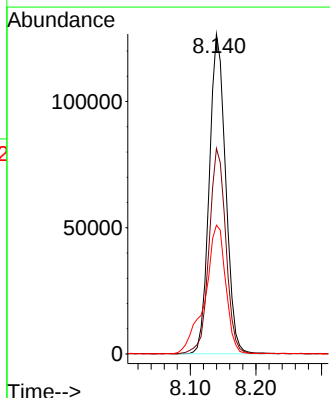
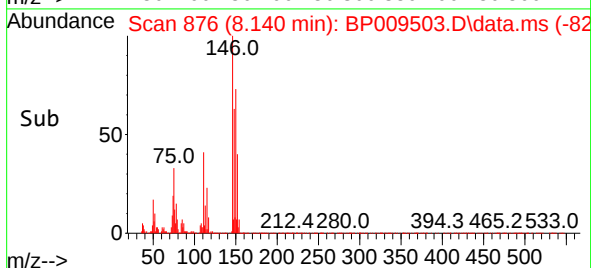
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

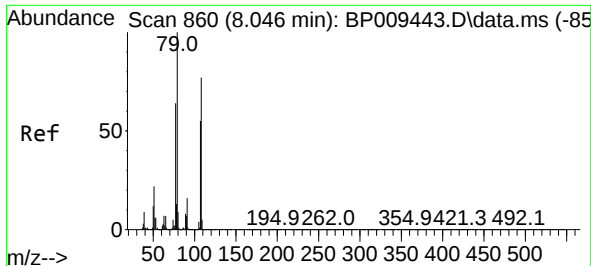


#14
1,2-Dichlorobenzene
Concen: 7.383 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



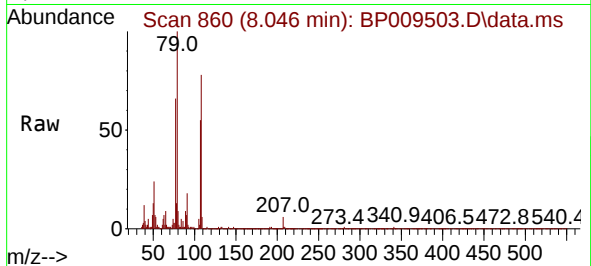
Tgt Ion:146 Resp: 219703
Ion Ratio Lower Upper
146 100
148 64.2 50.9 76.3
111 40.3 34.1 51.1





#15
Benzyl Alcohol
Concen: 7.961 ng m
RT: 8.046 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

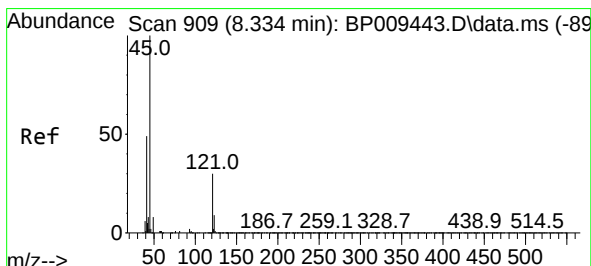
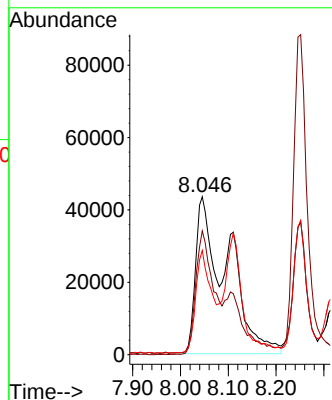
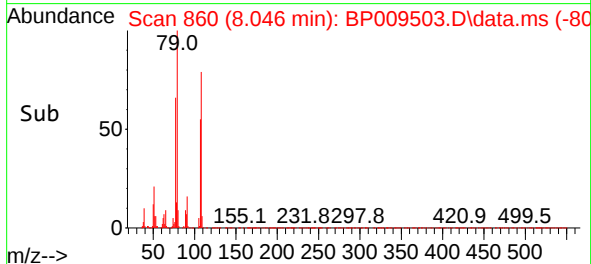
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 79 Resp: 20082
Ion Ratio Lower Upper
79 100
108 78.4 62.5 93.7
77 65.9 51.7 77.5

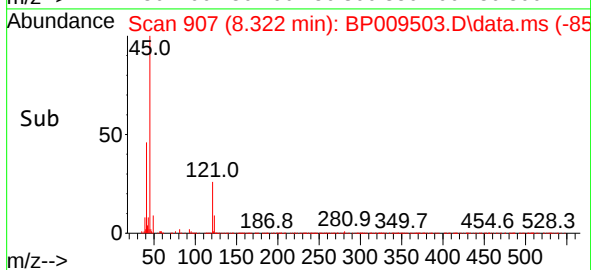
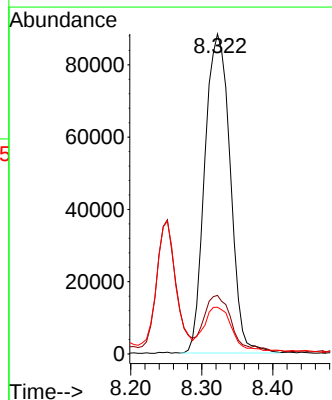
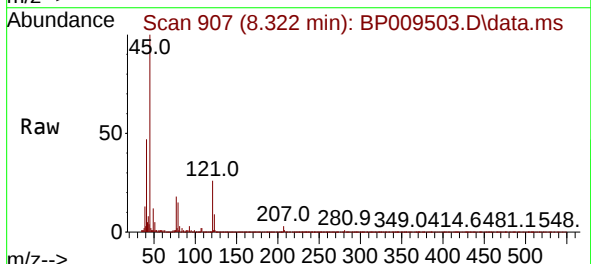
Manual Integrations
APPROVED

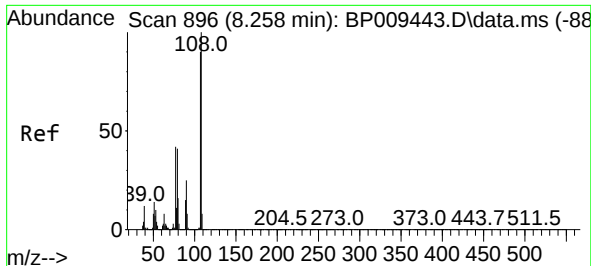
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.052 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

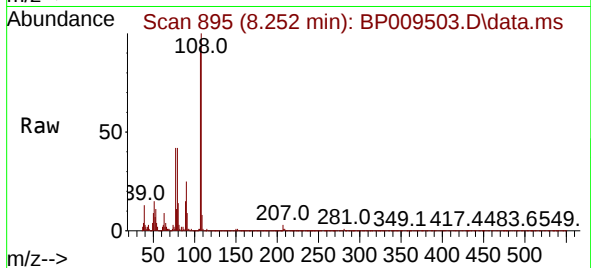
Tgt Ion: 45 Resp: 219287
Ion Ratio Lower Upper
45 100
77 18.3 0.0 36.5
79 14.6 0.0 32.4





#17
2-Methylphenol
Concen: 7.102 ng
RT: 8.252 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

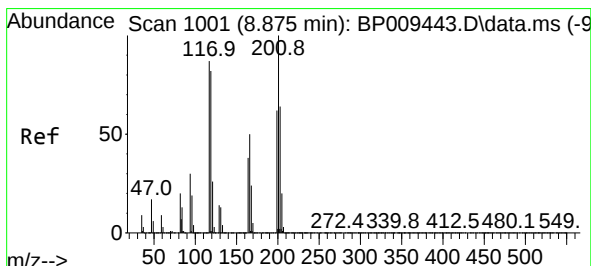
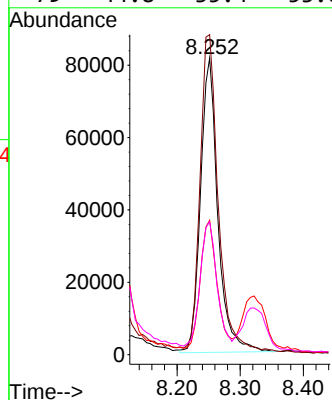
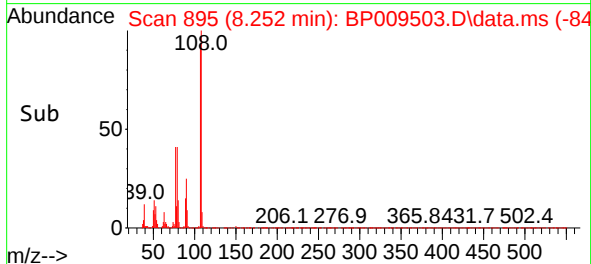
Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT1-2022



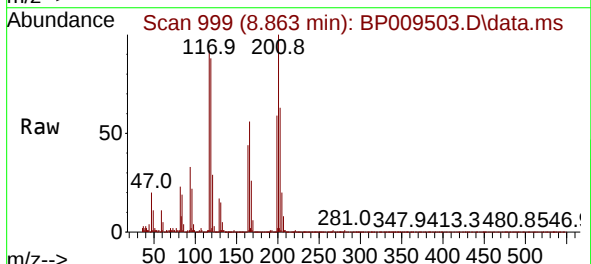
Tgt Ion: 107 Resp: 155352
Ion Ratio Lower Upper
107 100
108 107.9 90.2 135.2
77 45.3 36.3 54.5
79 44.8 35.4 53.0

Manual Integrations
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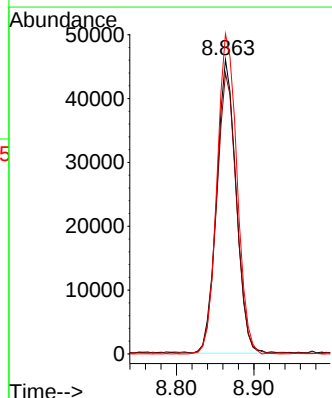
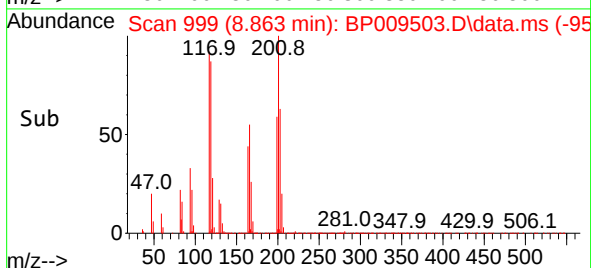
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022

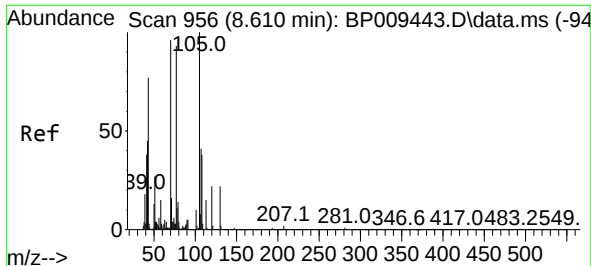


#18
Hexachloroethane
Concen: 7.447 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



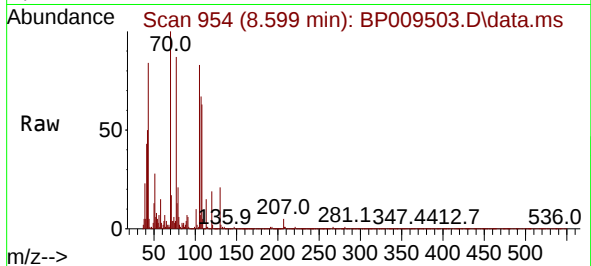
Tgt Ion: 117 Resp: 80355
Ion Ratio Lower Upper
117 100
119 95.3 76.4 114.6
201 108.7 83.4 125.2





#19
n-Nitroso-di-n-propylamine
Concen: 7.261 ng
RT: 8.599 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

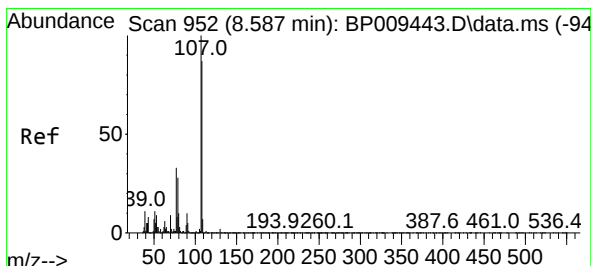
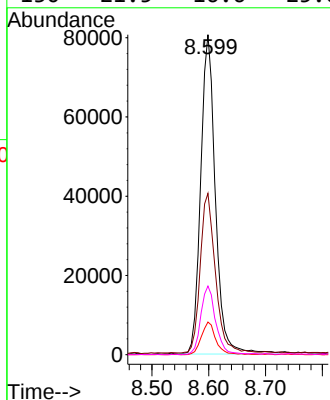
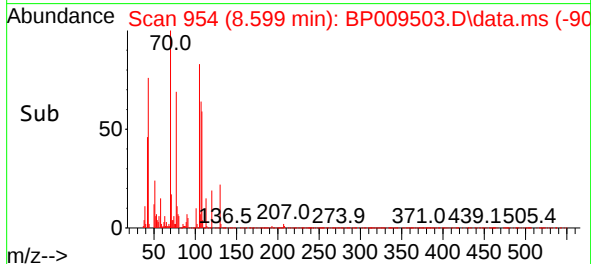
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



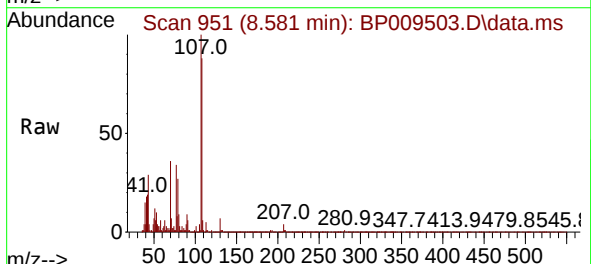
Tgt Ion: 70 Resp: 14531
Ion Ratio Lower Upper
70 100
42 50.4 41.0 61.4
101 10.2 7.9 11.9
130 21.5 16.6 25.0

Manual Integrations
APPROVED

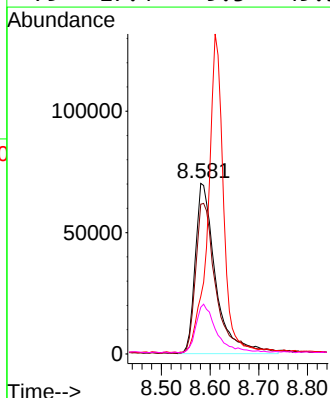
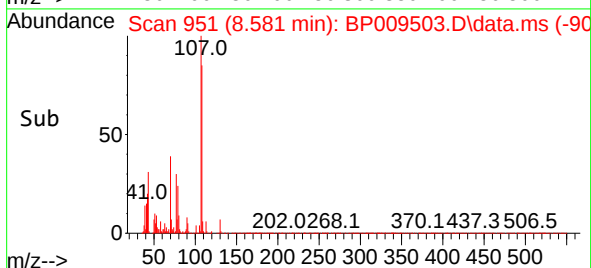
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

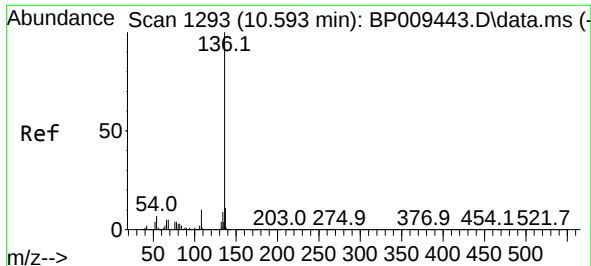


#20
3+4-Methylphenols
Concen: 6.810 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



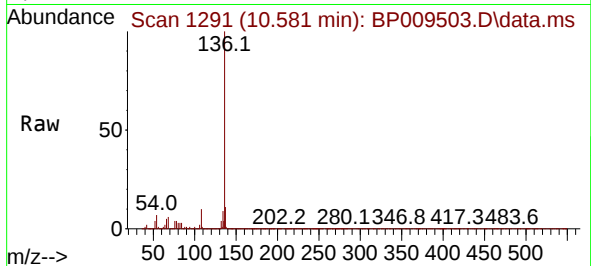
Tgt Ion: 107 Resp: 204836
Ion Ratio Lower Upper
107 100
108 87.7 69.4 109.4
77 33.7 13.6 53.6
79 27.4 9.3 49.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

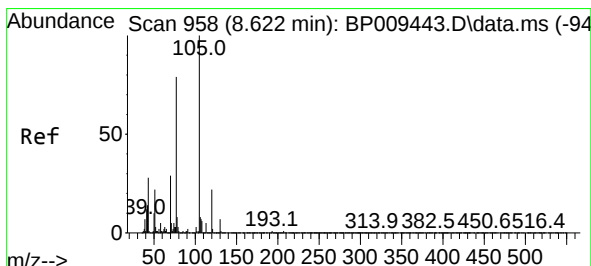
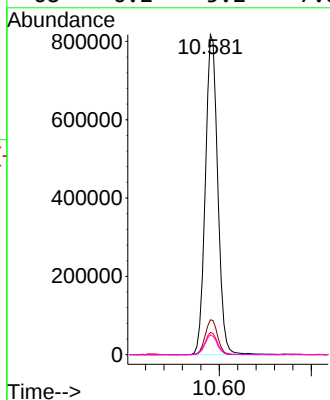
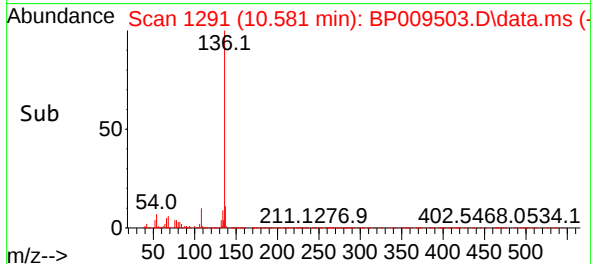
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:136 Resp: 153262
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.0 5.8 8.8
68 6.2 5.2 7.8

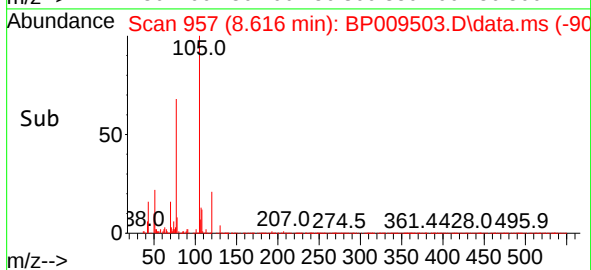
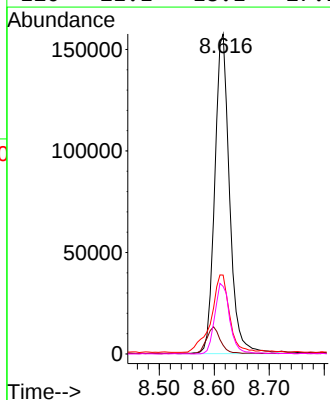
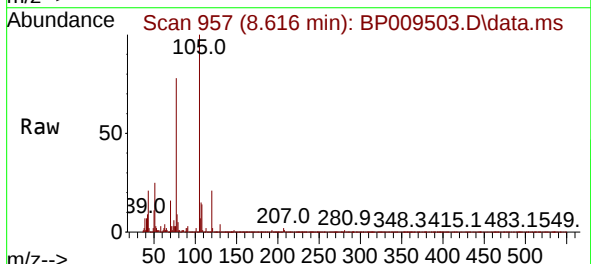
Manual Integrations
APPROVED

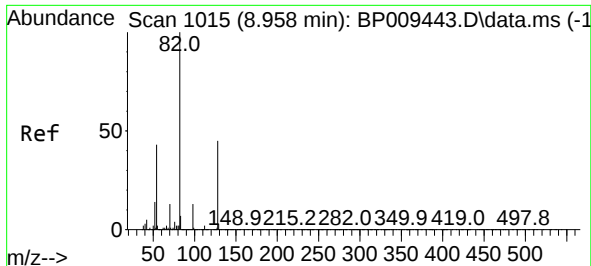
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#22
Acetophenone
Concen: 7.765 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

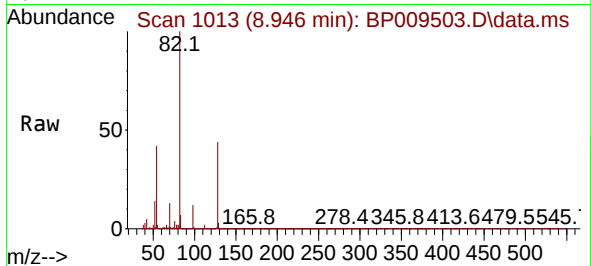
Tgt Ion:105 Resp: 294543
Ion Ratio Lower Upper
105 100
71 2.7 5.5 8.3#
51 24.6 18.9 28.3
120 21.1 18.1 27.1





#23
Nitrobenzene-d5
Concen: 85.663 ng
RT: 8.946 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

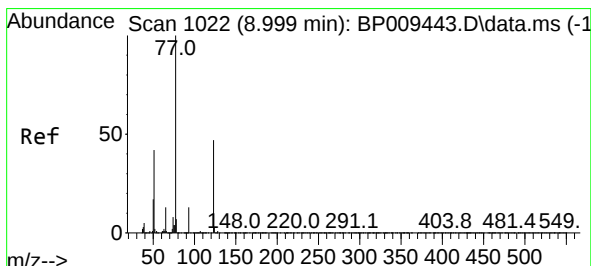
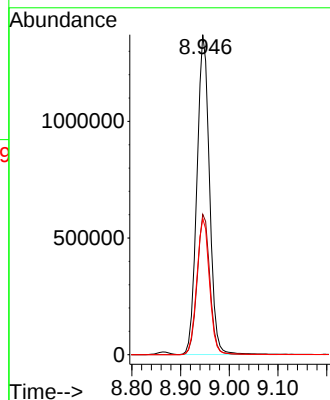
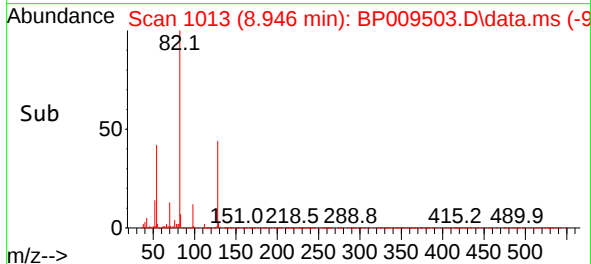
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 82 Resp: 247058
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 42.5 34.7 52.1

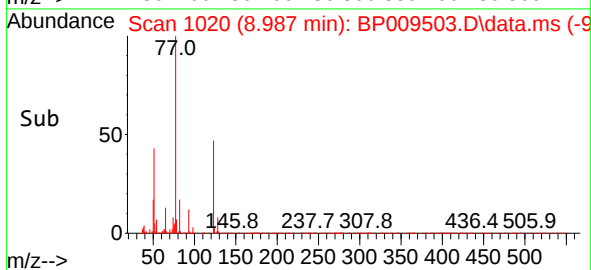
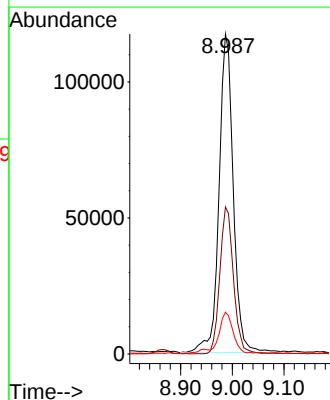
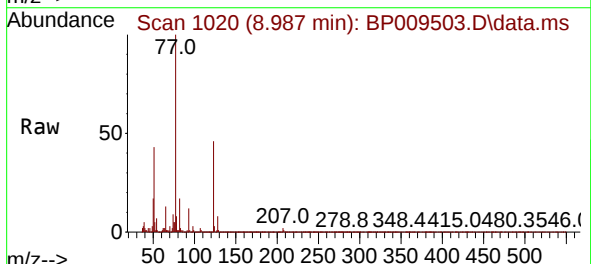
Manual Integrations
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Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#24
Nitrobenzene
Concen: 8.275 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

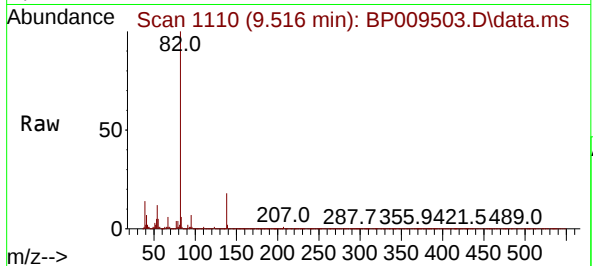
Tgt Ion: 77 Resp: 225451
Ion Ratio Lower Upper
77 100
123 46.0 35.5 53.3
65 13.0 10.3 15.5





#25
Isophorone
Concen: 8.005 ng
RT: 9.516 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

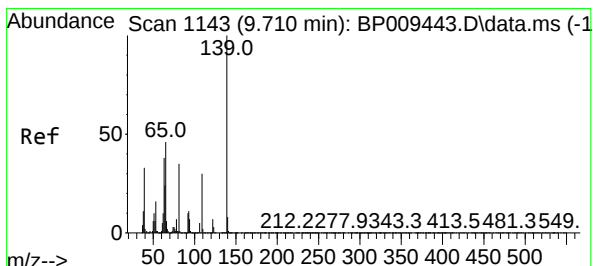
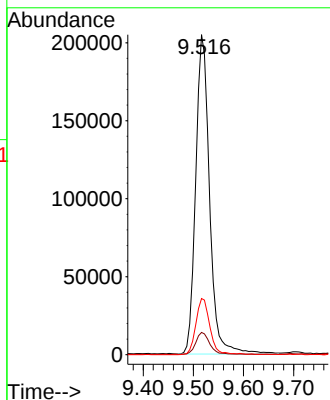
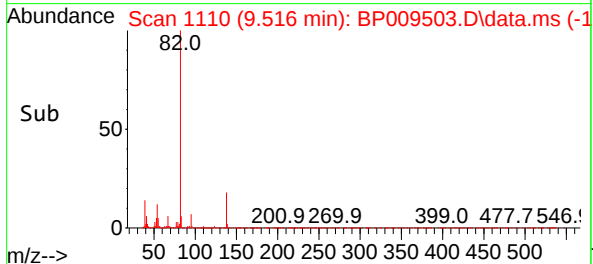
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 82 Resp: 393780
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.5 13.8 20.8

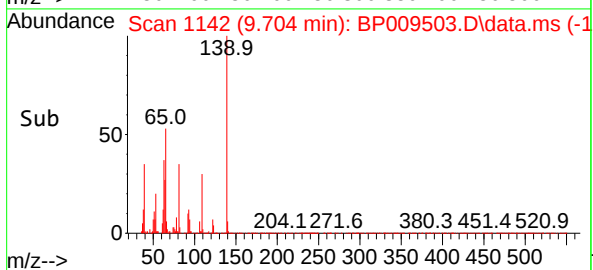
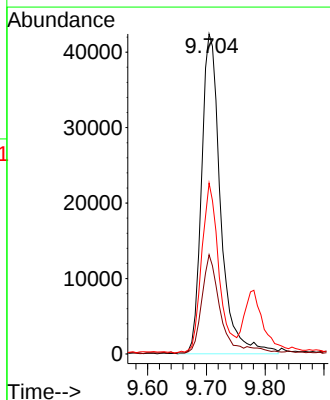
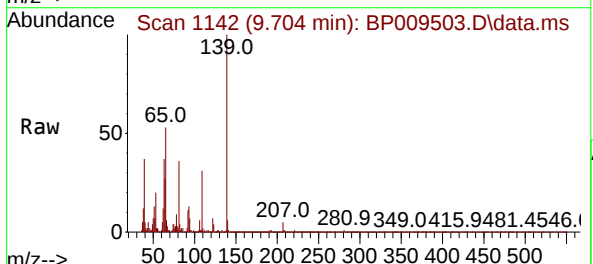
Manual Integrations
APPROVED

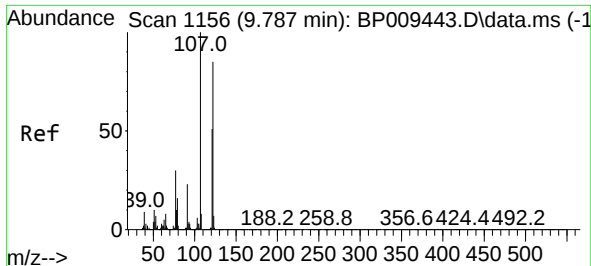
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#26
2-Nitrophenol
Concen: 6.734 ng
RT: 9.704 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion:139 Resp: 95636
Ion Ratio Lower Upper
139 100
109 31.0 23.4 35.0
65 53.4 41.0 61.6





#27

2,4-Dimethylphenol

Concen: 8.282 ng

RT: 9.775 min Scan# 1156

Delta R.T. -0.012 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

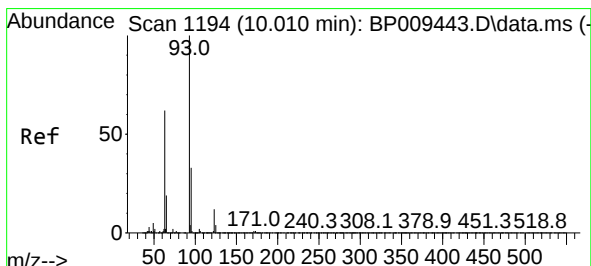
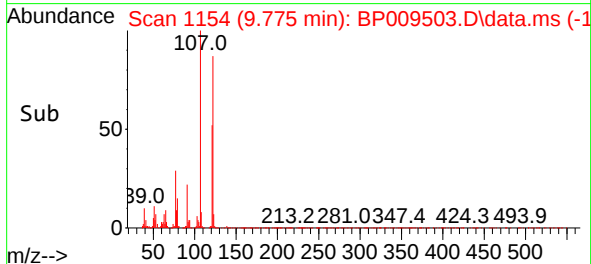
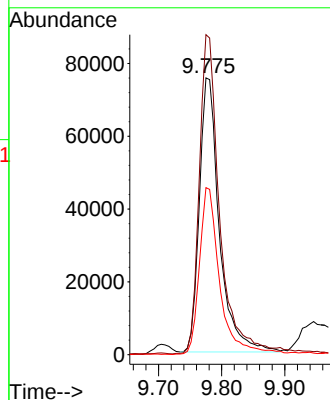
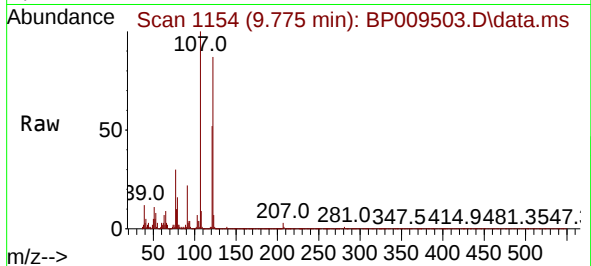
Tgt Ion:	122	Resp:	16595
Ion	Ratio	Lower	Upper
122	100		
107	115.6	92.6	138.8
121	60.3	46.7	70.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#28

bis(2-Chloroethoxy)methane

Concen: 7.488 ng

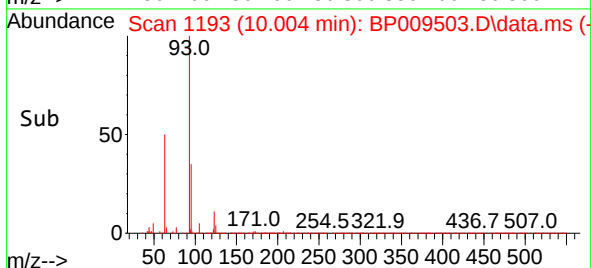
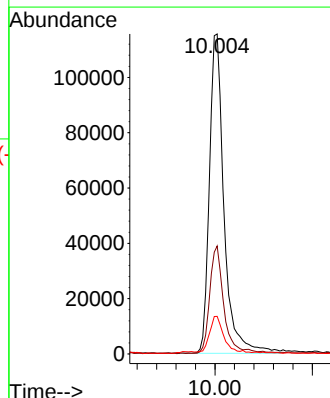
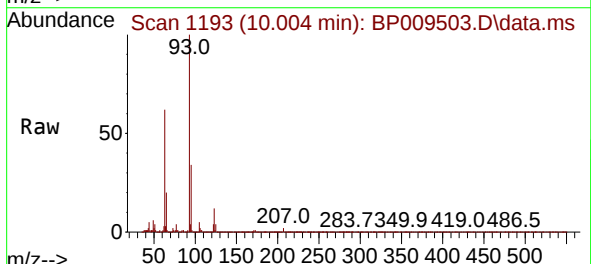
RT: 10.004 min Scan# 1193

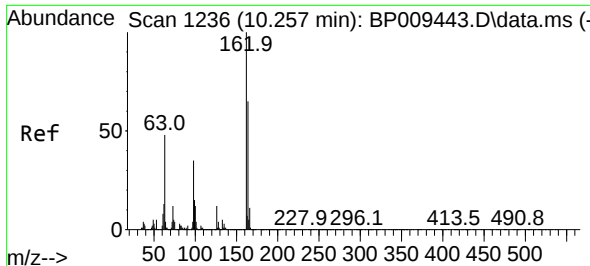
Delta R.T. -0.006 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

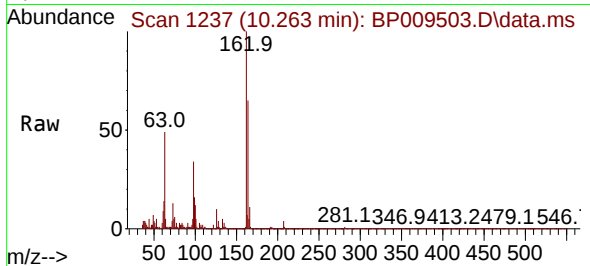
Tgt Ion:	93	Resp:	239840
Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.5	38.3
123	11.7	8.9	13.3





#29
2,4-Dichlorophenol
Concen: 6.787 ng
RT: 10.263 min Scan# 1269
Delta R.T. 0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

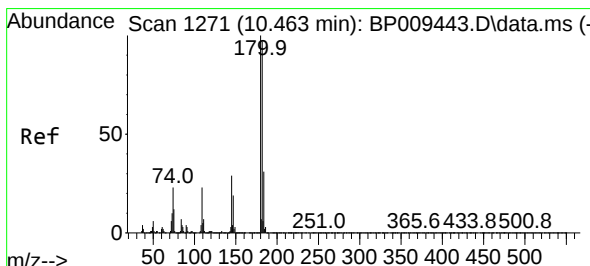
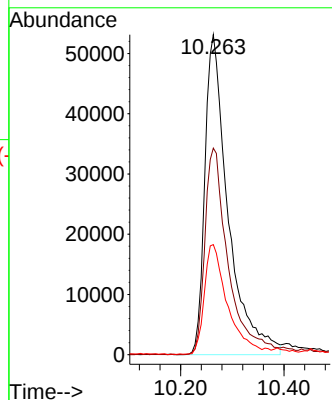
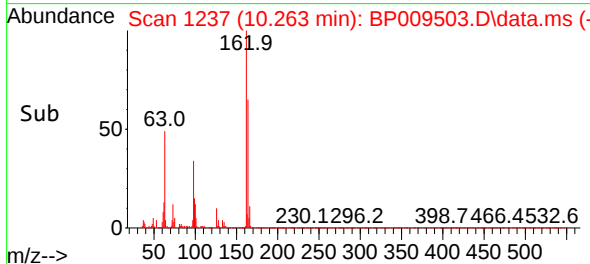
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:162 Resp: 165900
Ion Ratio Lower Upper
162 100
164 64.6 44.3 84.3
98 34.4 15.6 55.6

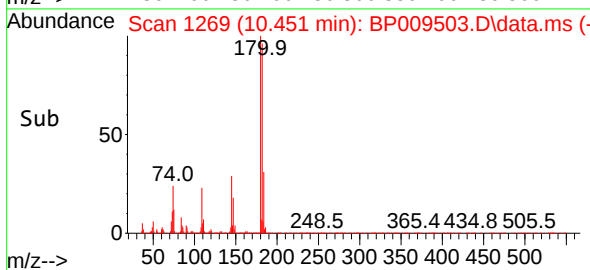
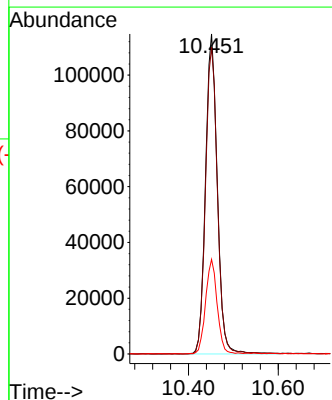
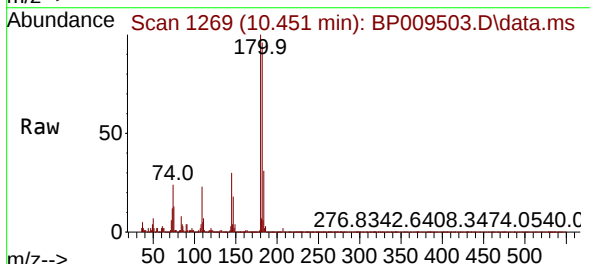
Manual Integrations
APPROVED

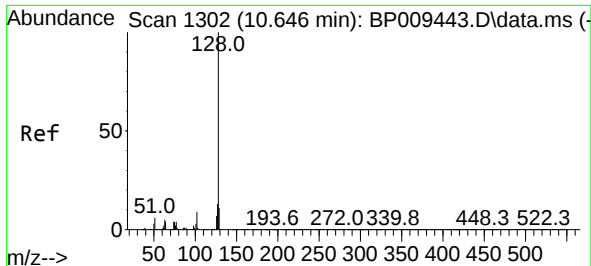
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#30
1,2,4-Trichlorobenzene
Concen: 7.370 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

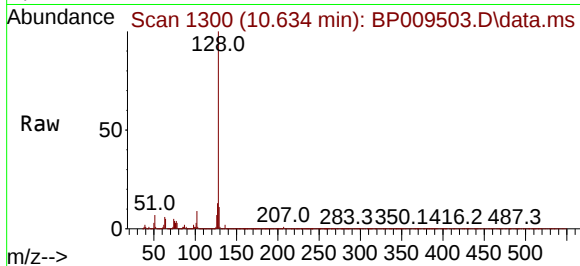
Tgt Ion:180 Resp: 208713
Ion Ratio Lower Upper
180 100
182 95.8 76.4 114.6
145 29.6 23.8 35.6





#31
Naphthalene
Concen: 7.757 ng
RT: 10.634 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

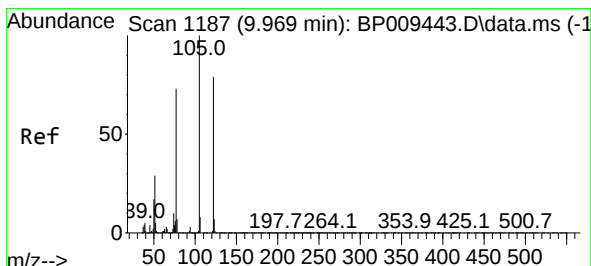
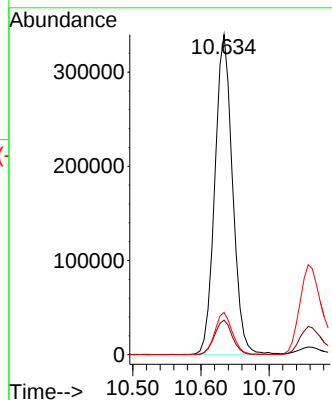
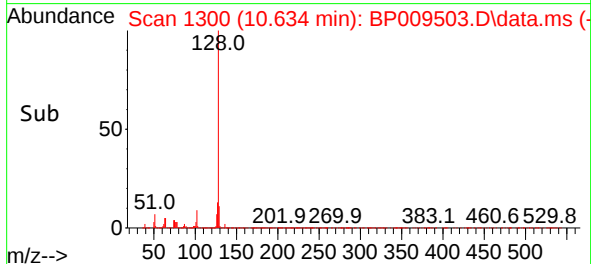
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:128 Resp: 612374
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.5 15.7

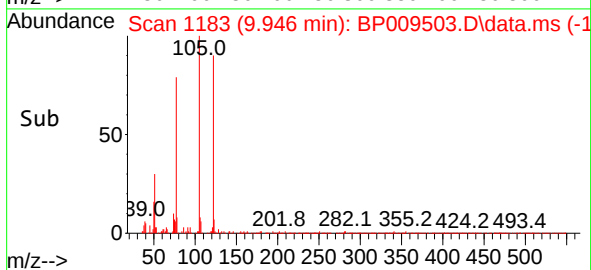
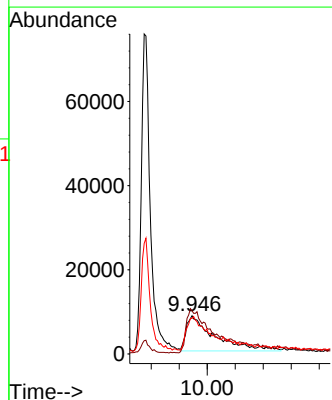
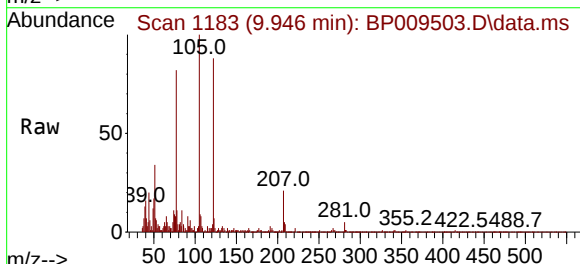
Manual Integrations
APPROVED

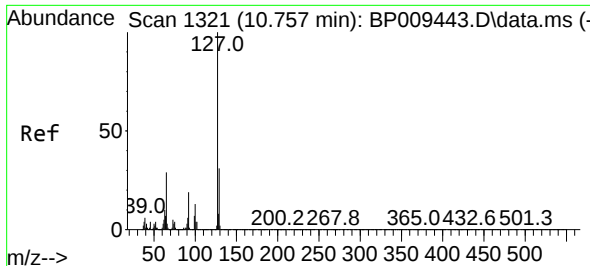
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#32
Benzoic acid
Concen: 3.755 ng m
RT: 9.946 min Scan# 1183
Delta R.T. -0.023 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

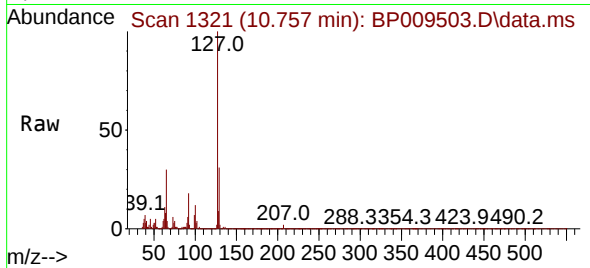
Tgt Ion:122 Resp: 58833
Ion Ratio Lower Upper
122 100
105 113.2 110.5 150.5
77 92.9 79.9 119.9





#33
4-Chloroaniline
Concen: 7.548 ng
RT: 10.757 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

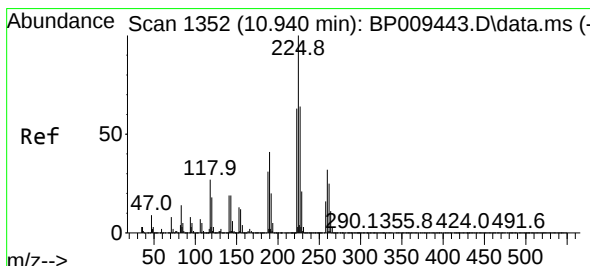
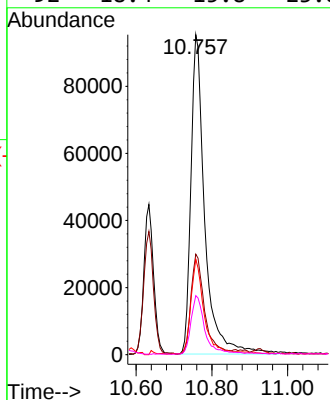
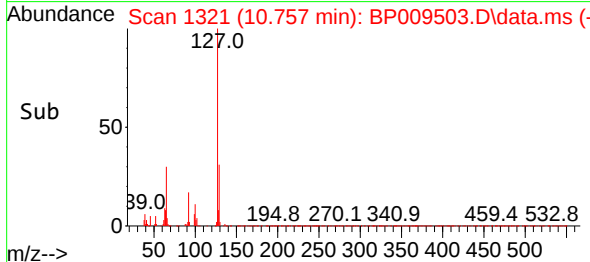
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



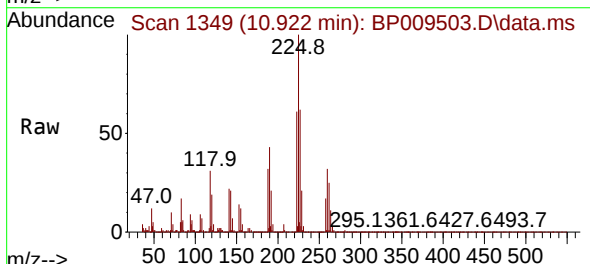
Tgt Ion:127 Resp: 243170
Ion Ratio Lower Upper
127 100
129 31.4 25.5 38.3
65 29.8 24.3 36.5
92 18.4 15.8 23.8

Manual Integrations
APPROVED

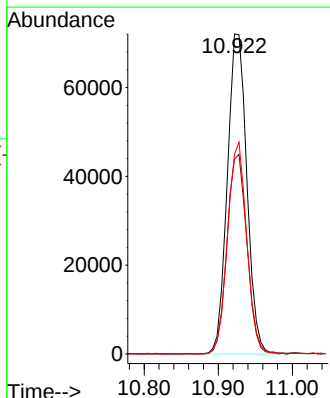
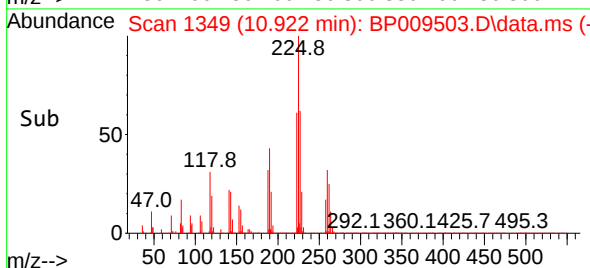
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

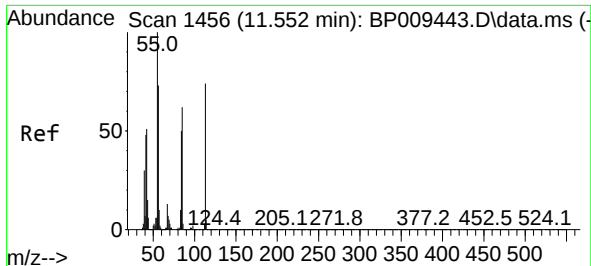


#34
Hexachlorobutadiene
Concen: 6.877 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.018 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



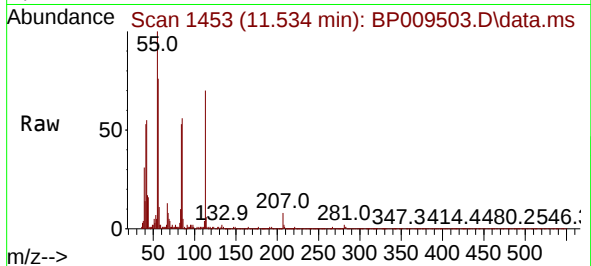
Tgt Ion:225 Resp: 131961
Ion Ratio Lower Upper
225 100
223 60.9 50.5 75.7
227 62.4 51.2 76.8





#35
Caprolactam
Concen: 5.976 ng
RT: 11.534 min Scan# 1456
Delta R.T. -0.018 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

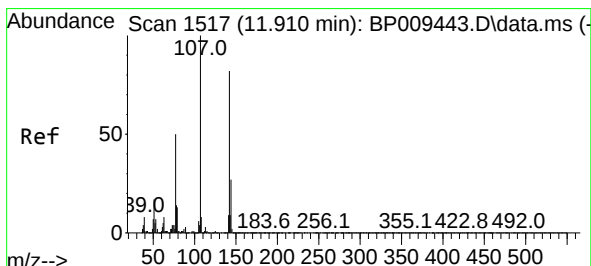
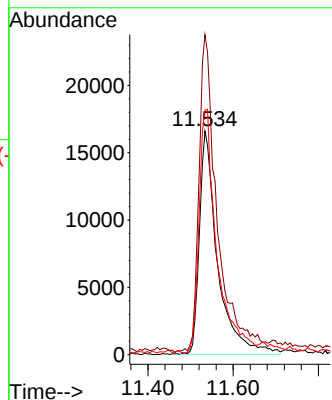
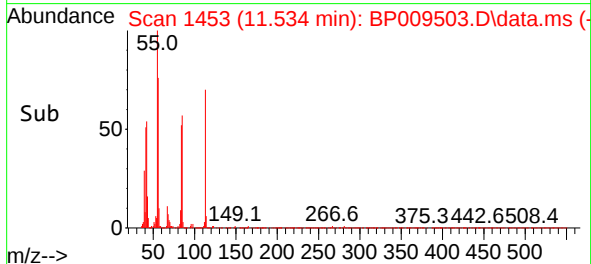
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:113 Resp: 4929
Ion Ratio Lower Upper
113 100
55 143.1 128.4 168.4
56 109.3 90.9 130.9

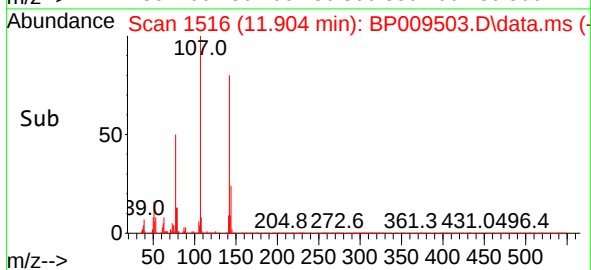
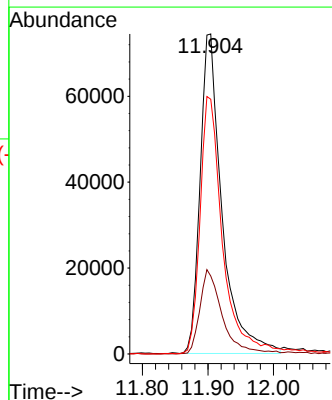
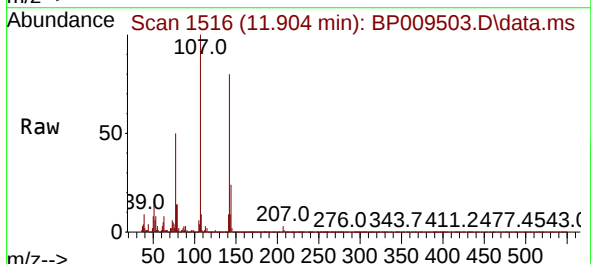
Manual Integrations
APPROVED

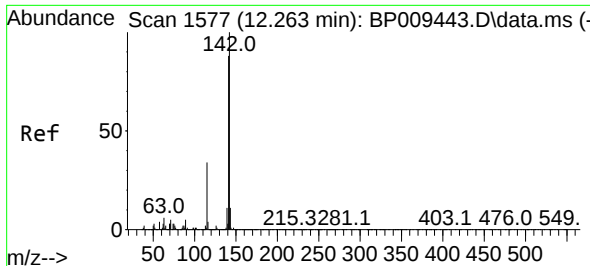
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#36
4-Chloro-3-methylphenol
Concen: 6.600 ng
RT: 11.904 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion:107 Resp: 173354
Ion Ratio Lower Upper
107 100
144 24.4 21.0 31.4
142 79.6 64.9 97.3





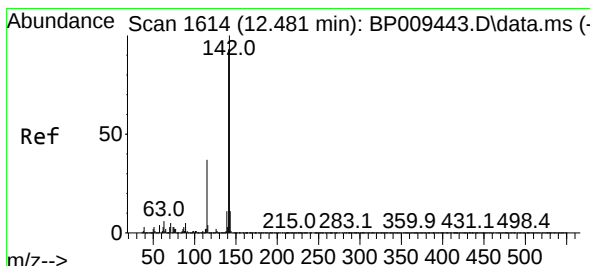
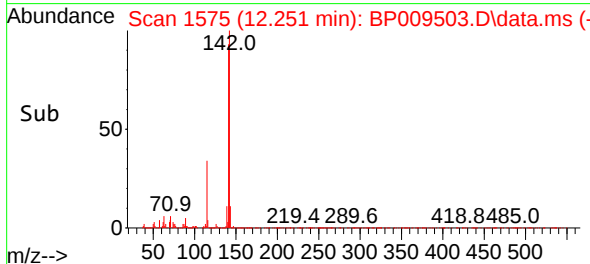
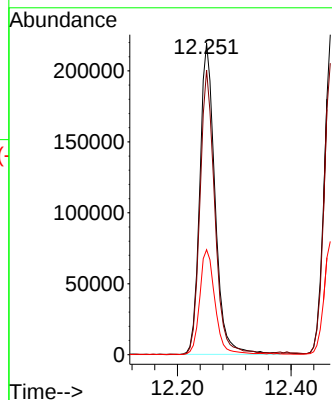
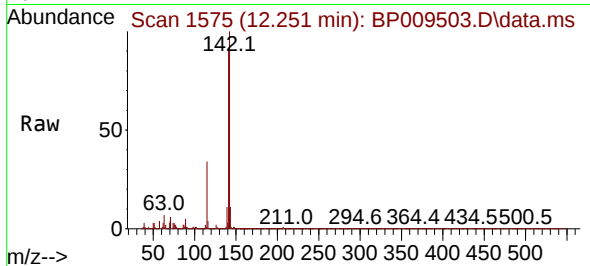
#37
2-Methylnaphthalene
Concen: 7.416 ng
RT: 12.251 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:142 Resp: 41080
Ion Ratio Lower Upper
142 100
141 91.4 70.2 105.4
115 33.7 27.4 41.2

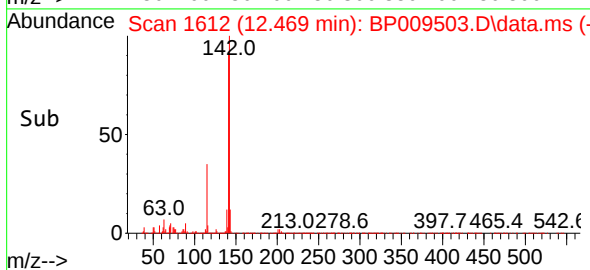
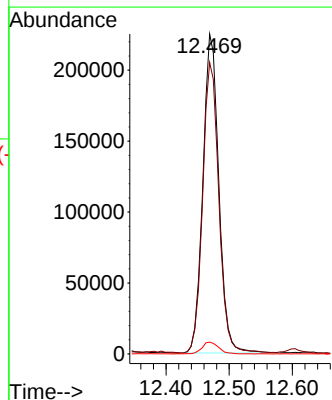
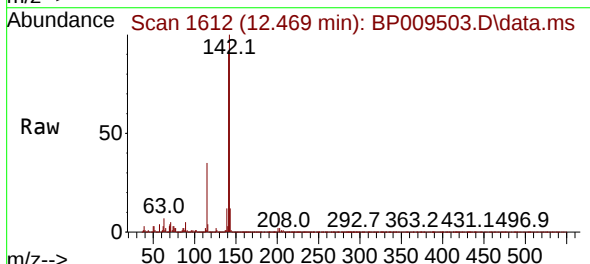
Manual Integrations
APPROVED

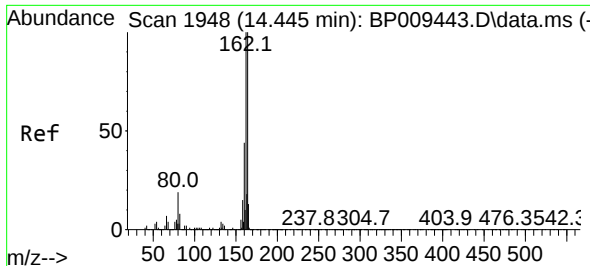
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#38
1-Methylnaphthalene
Concen: 7.315 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

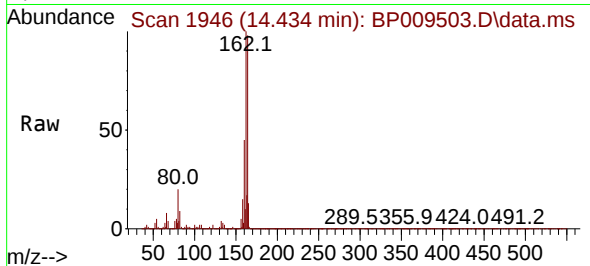
Tgt Ion:142 Resp: 394718
Ion Ratio Lower Upper
142 100
141 91.1 73.5 110.3
116 3.7 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1948
Delta R.T. -0.011 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

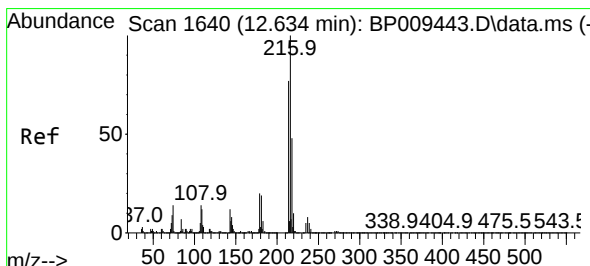
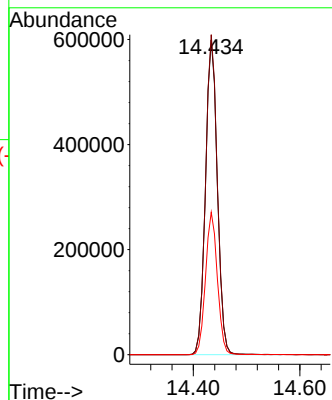
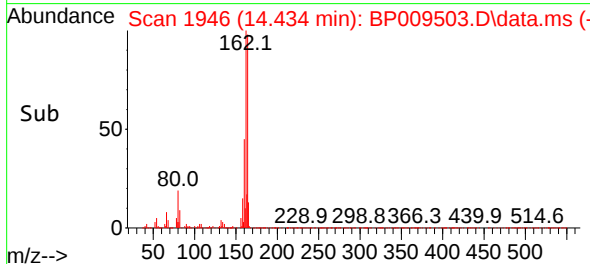
Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT1-2022



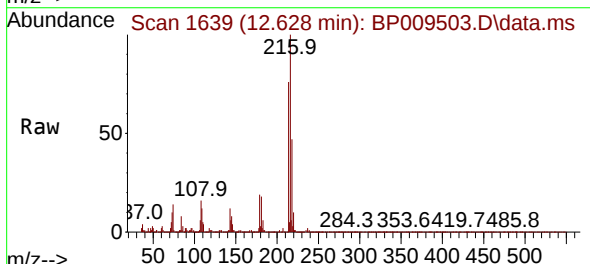
Tgt Ion:164 Resp: 92298
Ion Ratio Lower Upper
164 100
162 101.7 79.1 118.7
160 45.3 34.9 52.3

Manual Integrations
APPROVED

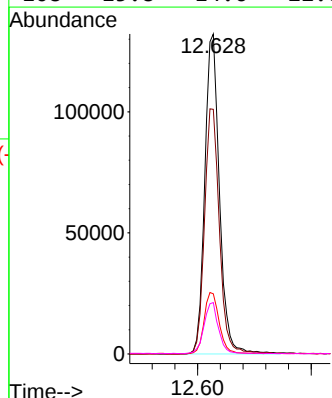
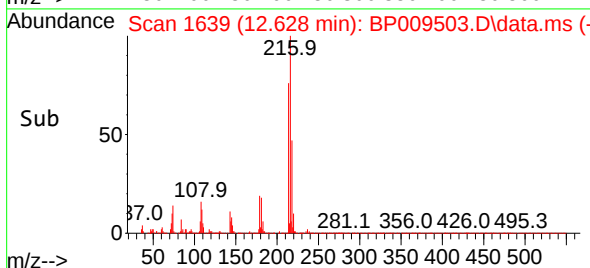
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

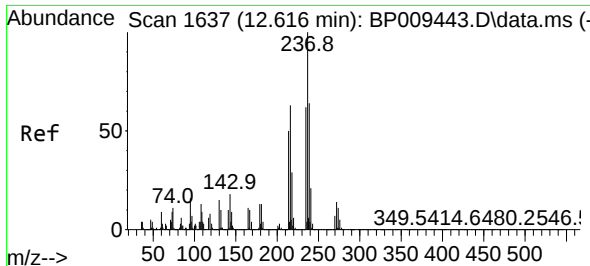


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.711 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



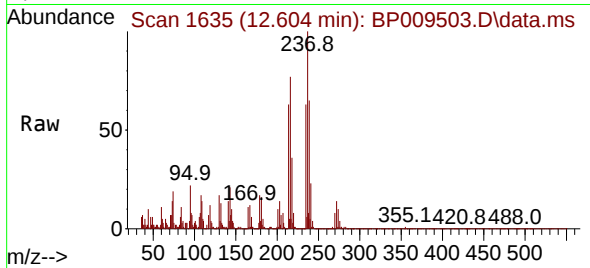
Tgt Ion:216 Resp: 236130
Ion Ratio Lower Upper
216 100
214 78.0 62.3 93.5
179 19.9 16.8 25.2
108 15.8 14.6 22.0





#41
Hexachlorocyclopentadiene
Concen: 3.710 ng
RT: 12.604 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

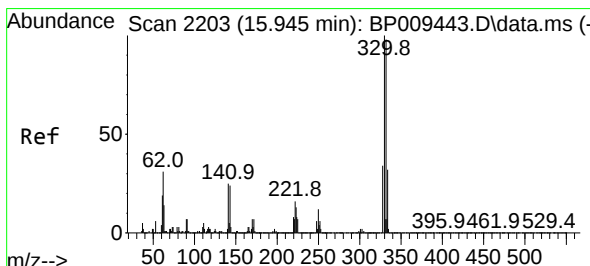
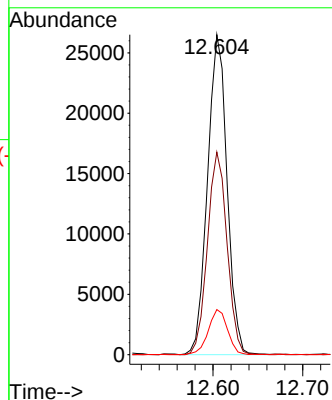
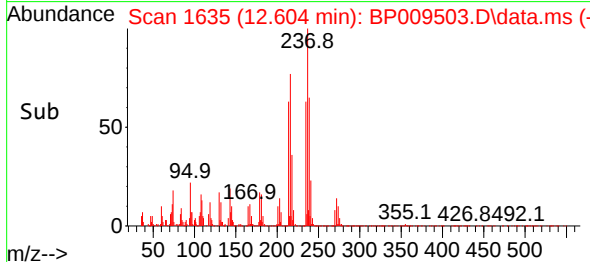
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 237 Resp: 4003
Ion Ratio Lower Upper
237 100
235 63.3 42.6 82.6
272 14.1 0.0 32.8

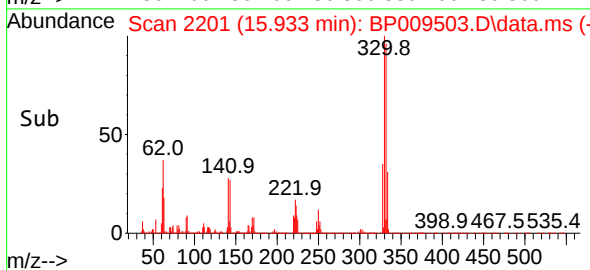
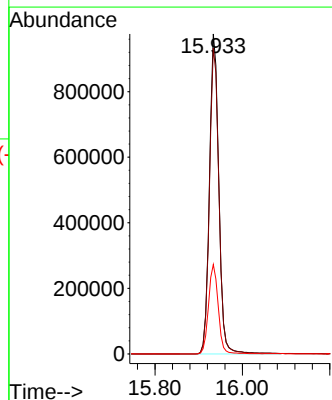
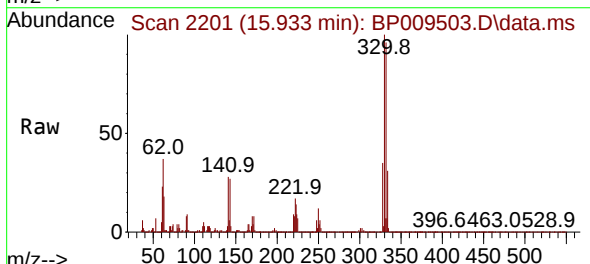
Manual Integrations
APPROVED

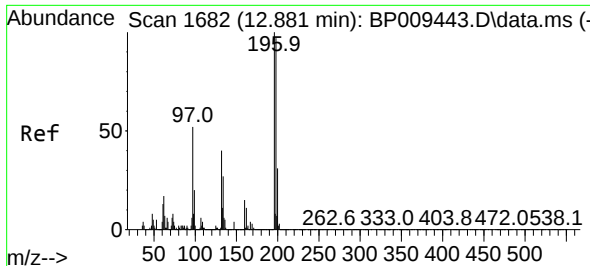
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022



#42
2,4,6-Tribromophenol
Concen: 95.748 ng
RT: 15.933 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

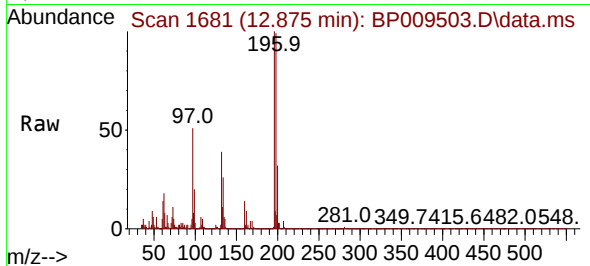
Tgt Ion: 330 Resp: 1458316
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 29.0 27.6 41.4





#43
2,4,6-Trichlorophenol
Concen: 6.673 ng
RT: 12.875 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

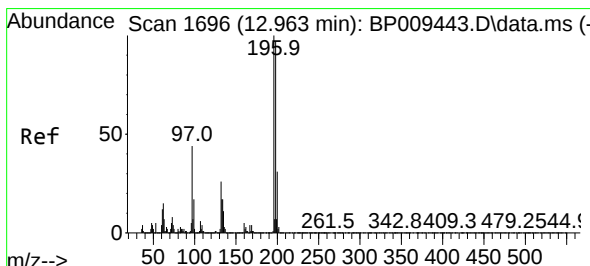
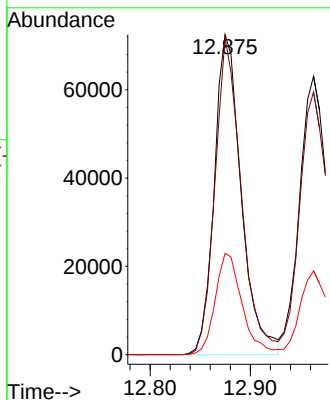
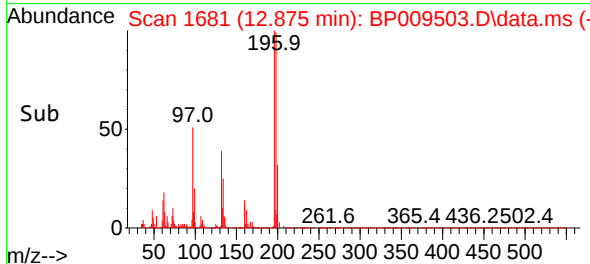
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



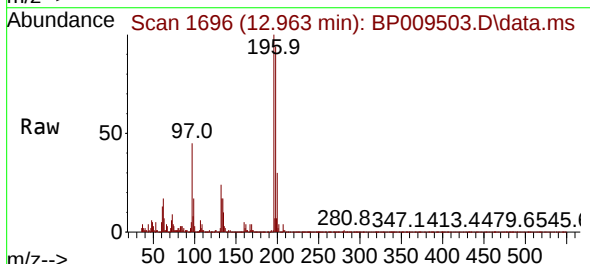
Tgt Ion:196 Resp: 13544
Ion Ratio Lower Upper
196 100
198 99.2 76.2 114.4
200 31.7 24.4 36.6

Manual Integrations
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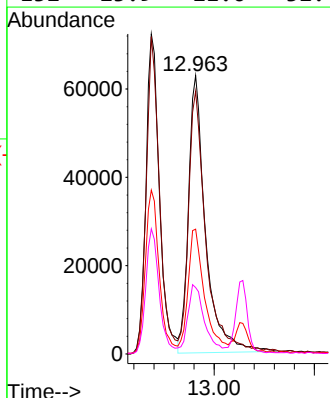
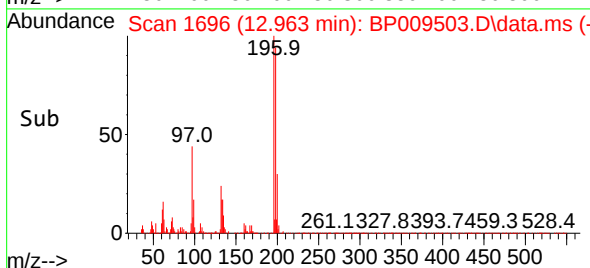
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

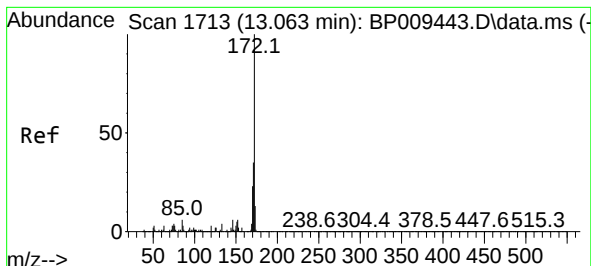


#44
2,4,5-Trichlorophenol
Concen: 6.752 ng
RT: 12.963 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



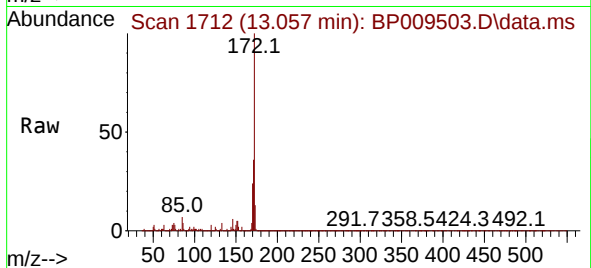
Tgt Ion:196 Resp: 148822
Ion Ratio Lower Upper
196 100
198 94.4 76.6 114.8
97 44.8 38.3 57.5
132 23.9 21.6 32.4





#45
2-Fluorobiphenyl
Concen: 84.607 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

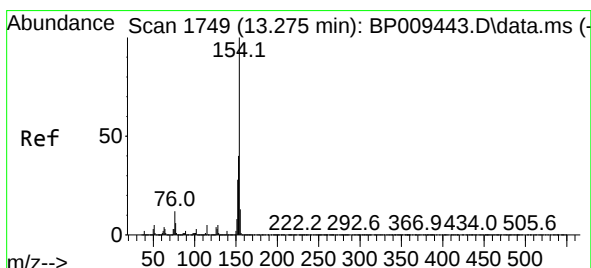
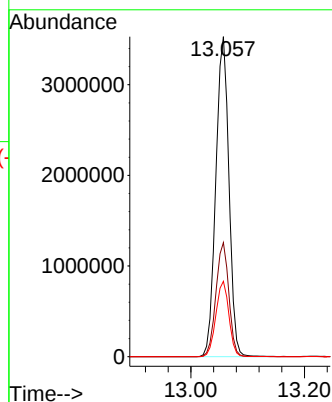
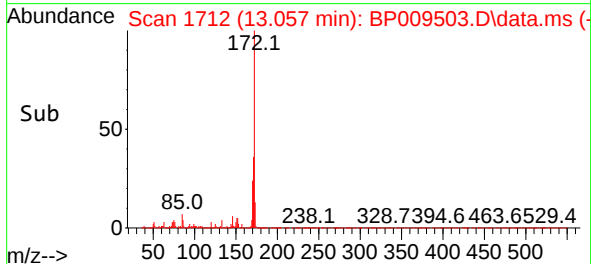
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:172 Resp: 563306
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.5 18.6 27.8

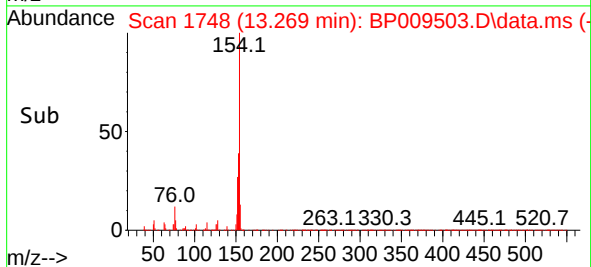
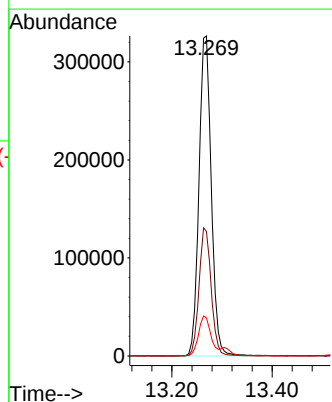
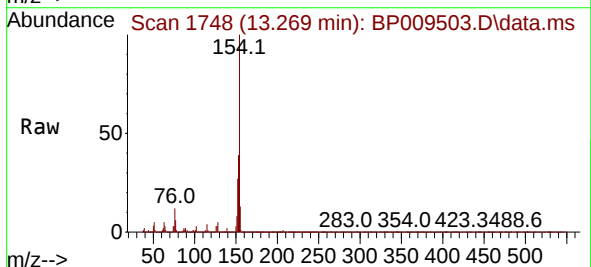
Manual Integrations
APPROVED

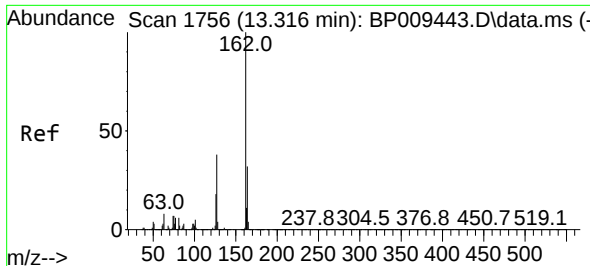
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#46
1,1'-Biphenyl
Concen: 8.075 ng
RT: 13.269 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

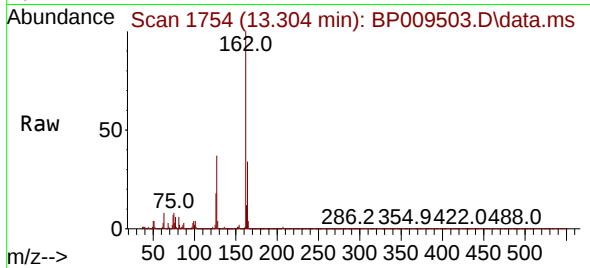
Tgt Ion:154 Resp: 556034
Ion Ratio Lower Upper
154 100
153 38.9 20.2 60.2
76 11.9 0.0 34.0





#47
2-Chloronaphthalene
Concen: 7.724 ng
RT: 13.304 min Scan# 1754
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

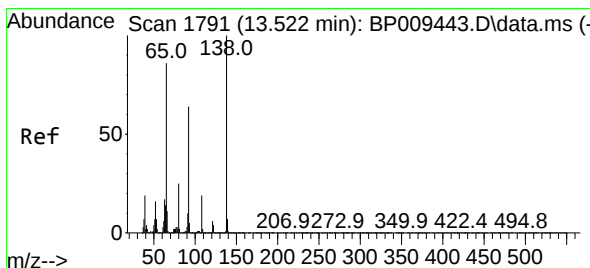
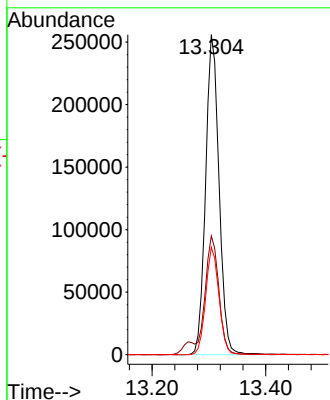
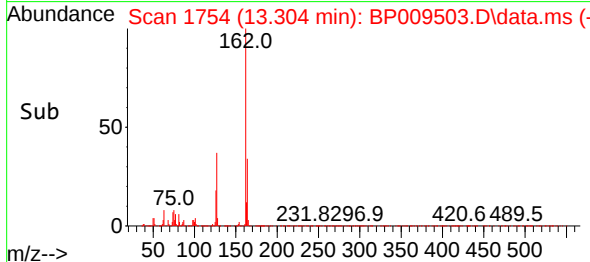
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:162 Resp: 41872
Ion Ratio Lower Upper
162 100
127 37.1 30.8 46.2
164 33.6 26.3 39.5

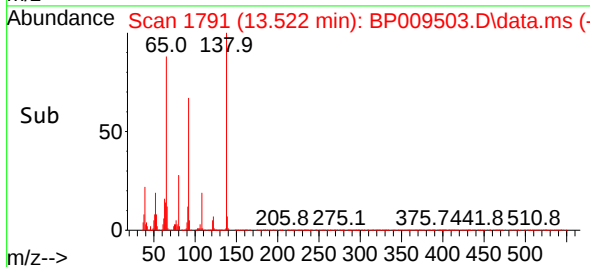
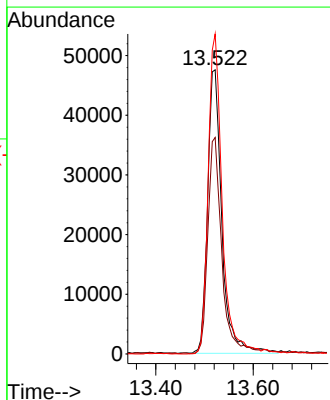
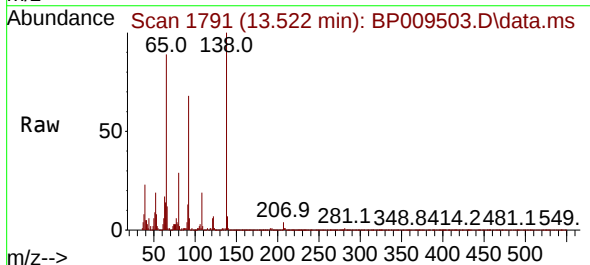
Manual Integrations
APPROVED

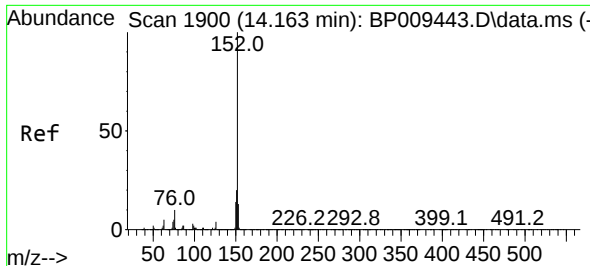
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#48
2-Nitroaniline
Concen: 6.536 ng
RT: 13.522 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

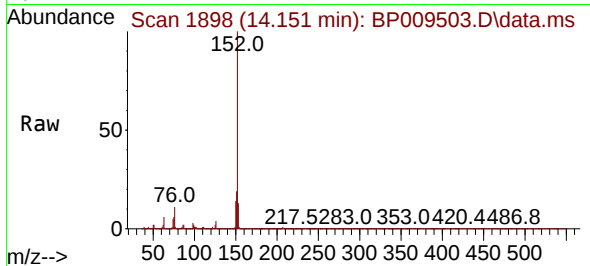
Tgt Ion: 65 Resp: 96505
Ion Ratio Lower Upper
65 100
92 76.2 56.9 85.3
138 112.6 89.3 133.9





#49
Acenaphthylene
Concen: 7.928 ng
RT: 14.151 min Scan# 1898
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

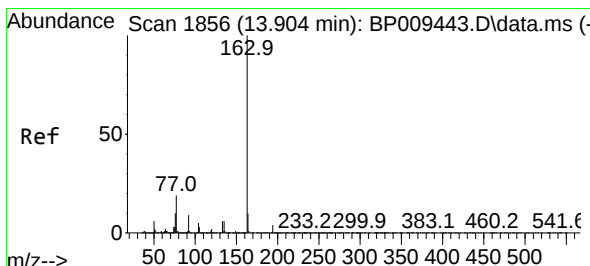
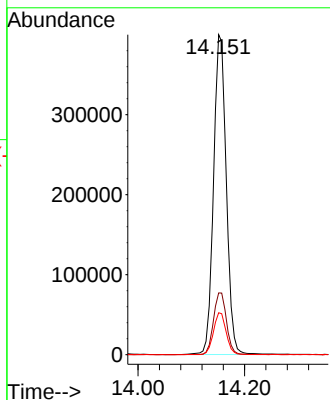
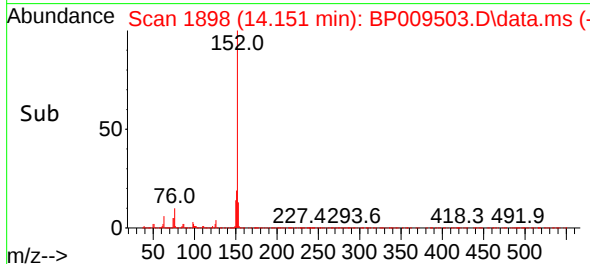
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2022



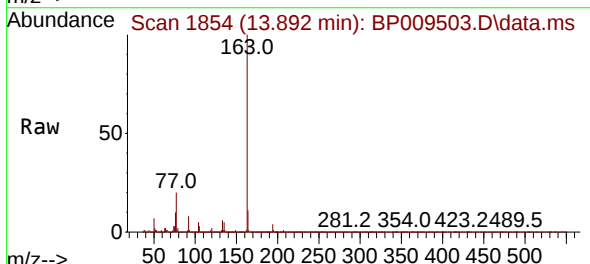
Tgt Ion:152 Resp: 663498
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 13.1 10.7 16.1

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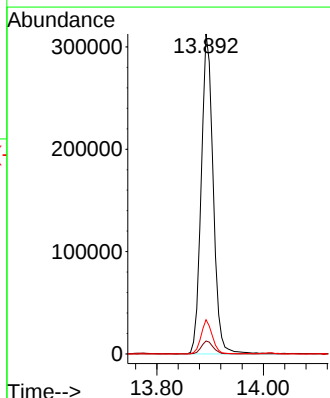
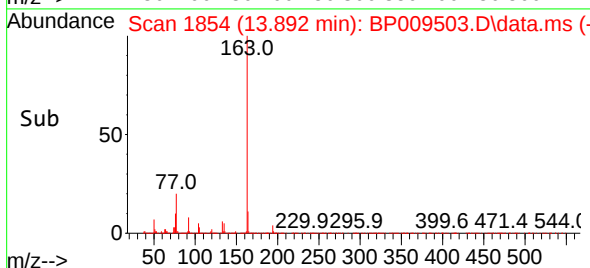
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

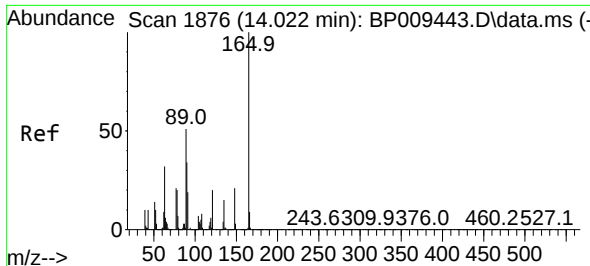


#50
Dimethylphthalate
Concen: 6.963 ng
RT: 13.892 min Scan# 1854
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



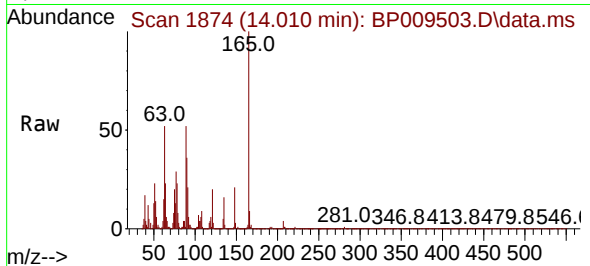
Tgt Ion:163 Resp: 486950
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.7 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 6.789 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

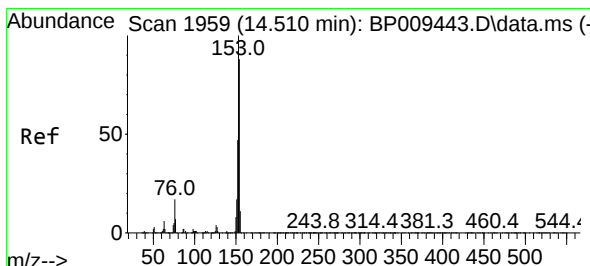
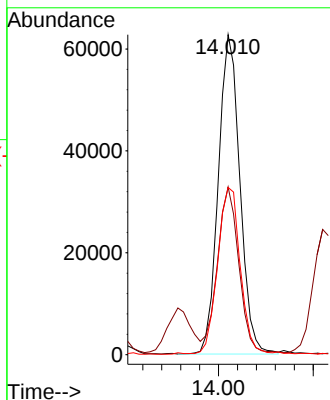
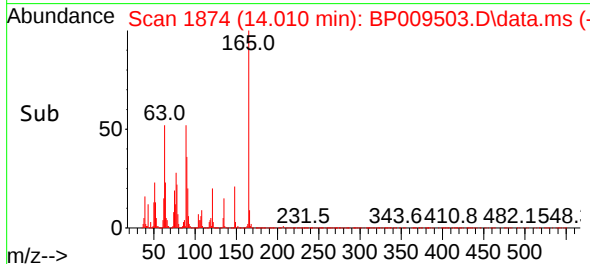
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



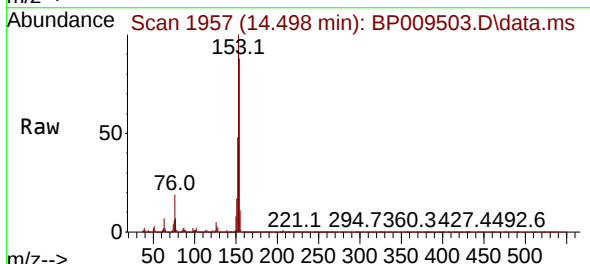
Tgt Ion:165 Resp: 99480
Ion Ratio Lower Upper
165 100
63 52.4 40.9 61.3
89 52.3 43.4 65.2

Manual Integrations
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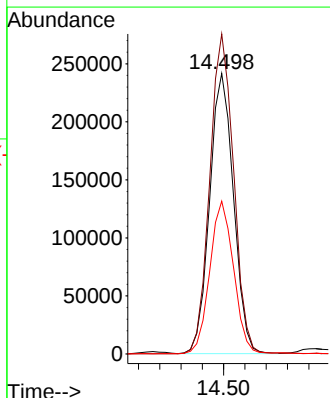
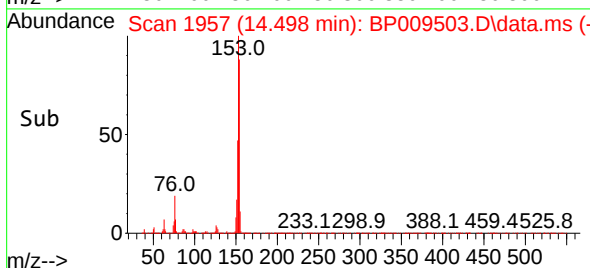
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

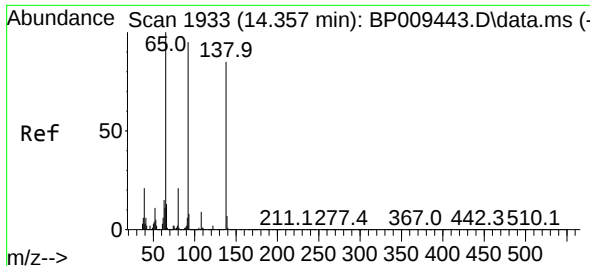


#52
Acenaphthene
Concen: 7.528 ng
RT: 14.498 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



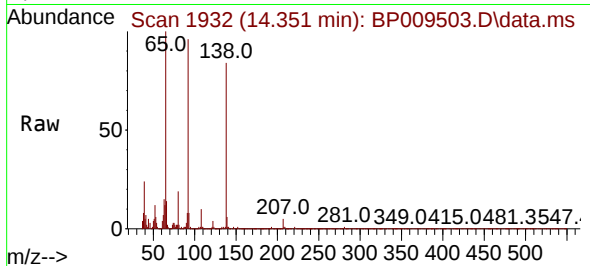
Tgt Ion:154 Resp: 376345
Ion Ratio Lower Upper
154 100
153 114.1 90.2 135.4
152 54.5 42.7 64.1





#53
3-Nitroaniline
Concen: 6.233 ng
RT: 14.351 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

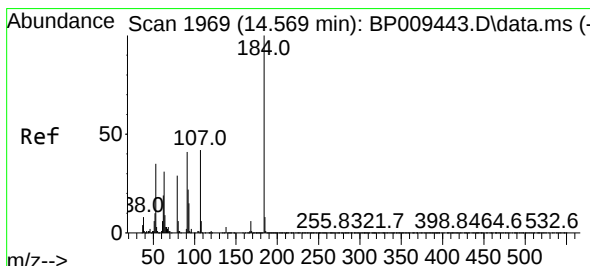
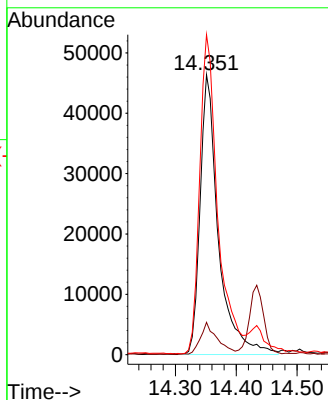
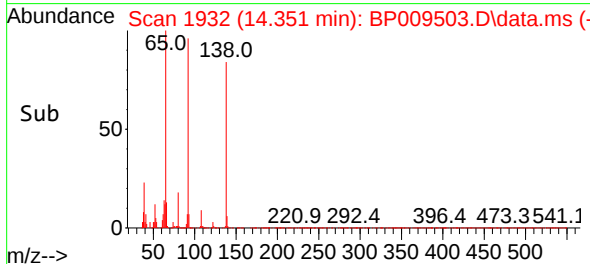
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2022



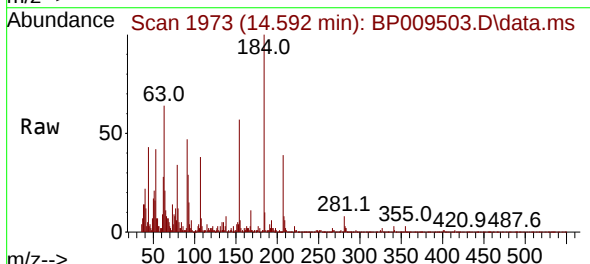
Tgt Ion:138 Resp: 96470
Ion Ratio Lower Upper
138 100
108 11.5 9.7 14.5
92 114.3 94.4 141.6

Manual Integrations
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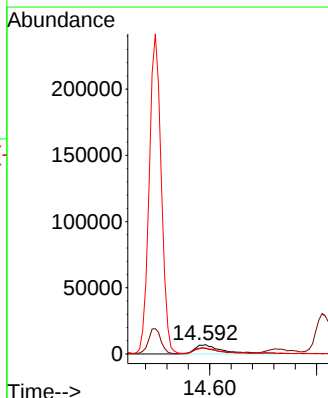
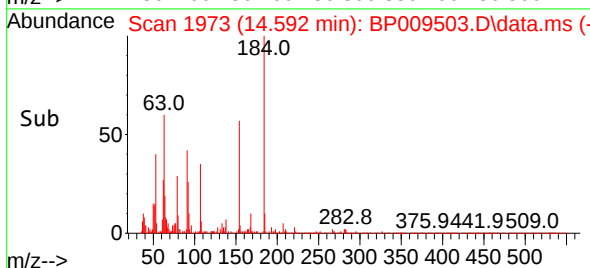
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

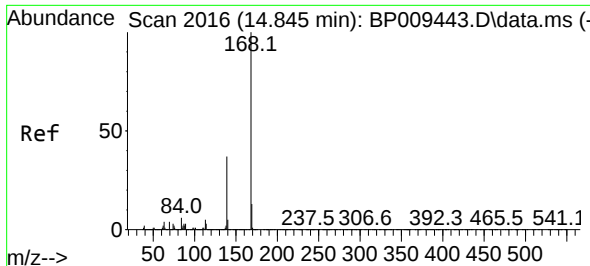


#54
2,4-Dinitrophenol
Concen: 3.122 ng m
RT: 14.592 min Scan# 1973
Delta R.T. 0.023 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42



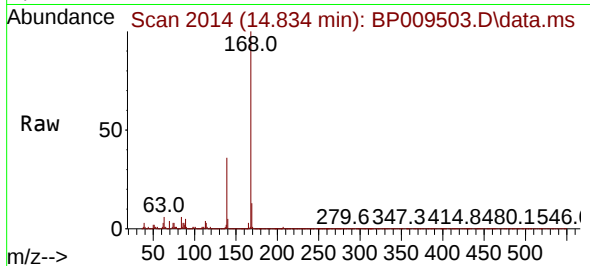
Tgt Ion:184 Resp: 25127
Ion Ratio Lower Upper
184 100
63 63.6 46.3 69.5
154 57.0 45.8 68.6





#55
Dibenzenofuran
Concen: 7.362 ng
RT: 14.834 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

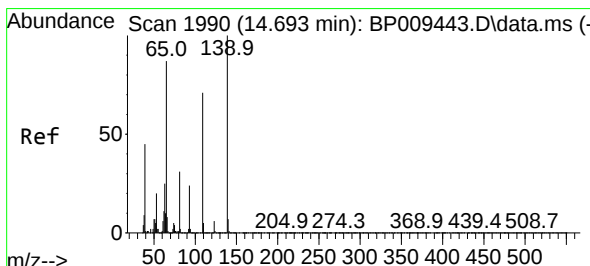
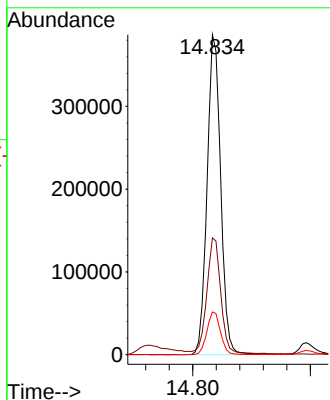
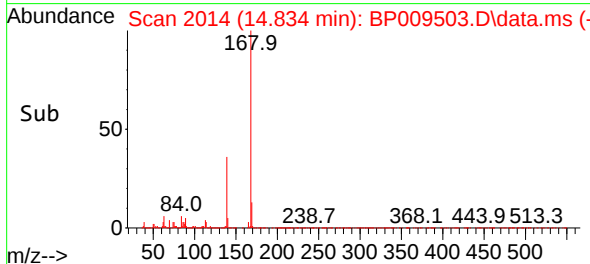
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:168 Resp: 61828
Ion Ratio Lower Upper
168 100
139 36.5 29.1 43.7
169 13.4 10.6 16.0

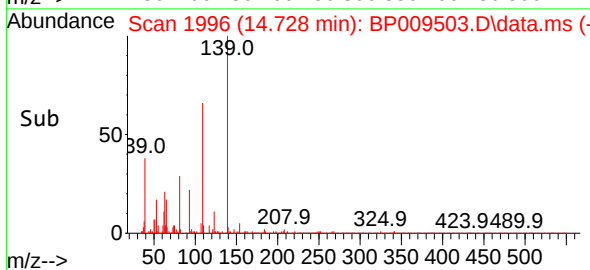
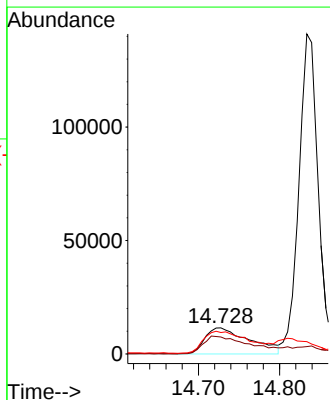
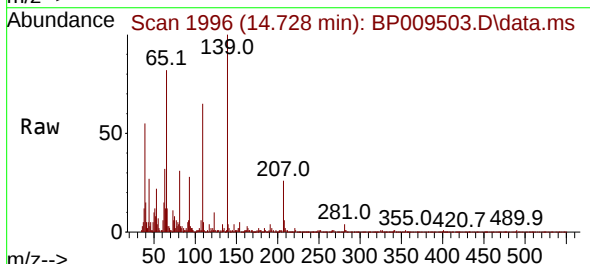
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#56
4-Nitrophenol
Concen: 3.817 ng
RT: 14.728 min Scan# 1996
Delta R.T. 0.035 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

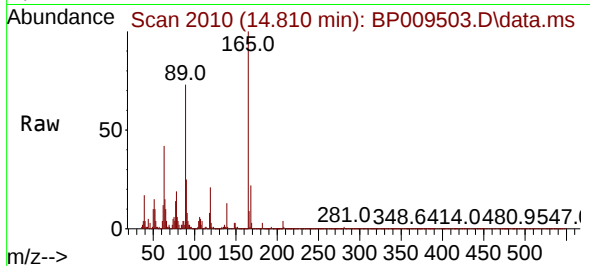
Tgt Ion:139 Resp: 44042
Ion Ratio Lower Upper
139 100
109 65.4 51.2 91.2
65 82.4 73.2 113.2





#57
2,4-Dinitrotoluene
Concen: 6.024 ng
RT: 14.810 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

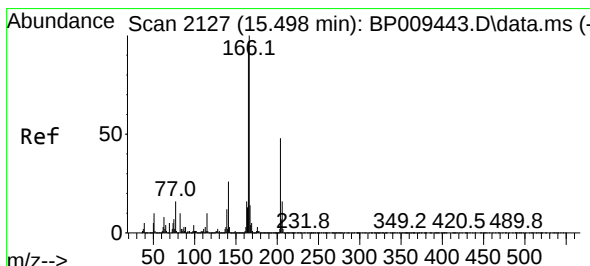
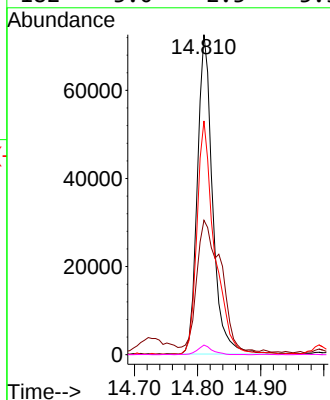
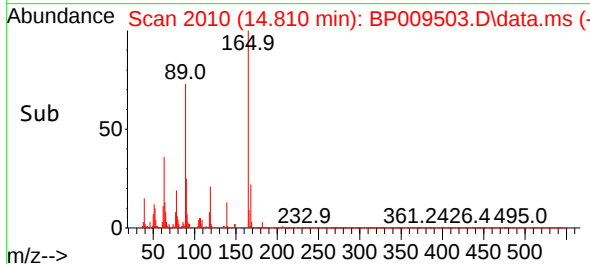
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 121378
Ion Ratio Lower Upper
165 100
63 42.0 31.4 47.2
89 73.1 55.9 83.9
182 3.0 2.3 3.5

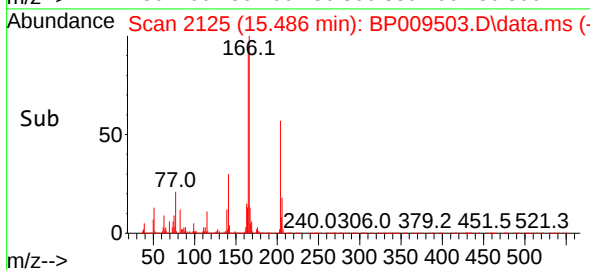
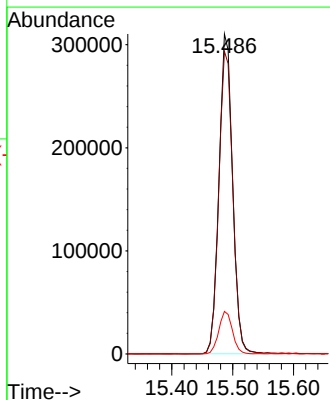
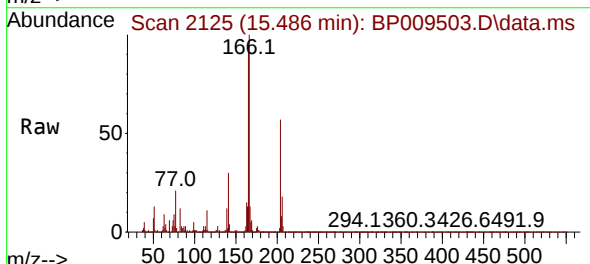
Manual Integrations
APPROVED

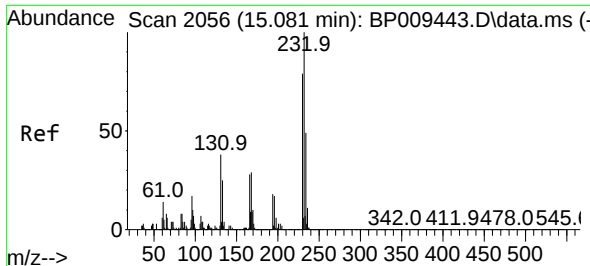
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#58
Fluorene
Concen: 7.293 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

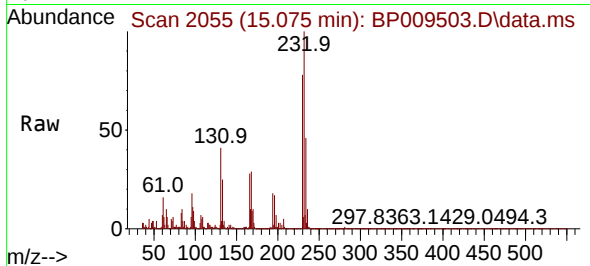
Tgt Ion:166 Resp: 481696
Ion Ratio Lower Upper
166 100
165 94.5 79.2 118.8
167 13.3 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.219 ng
RT: 15.075 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

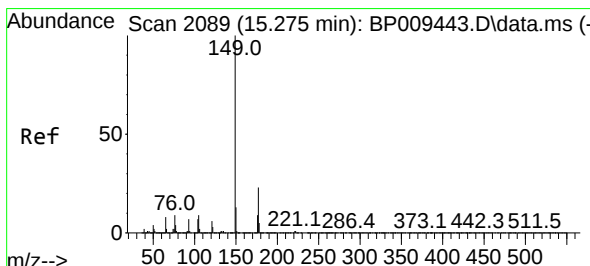
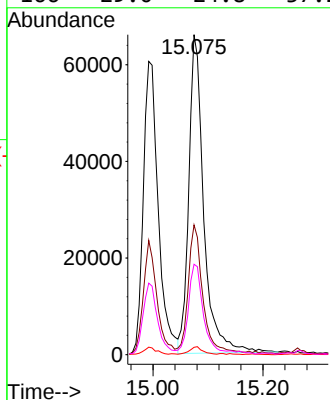
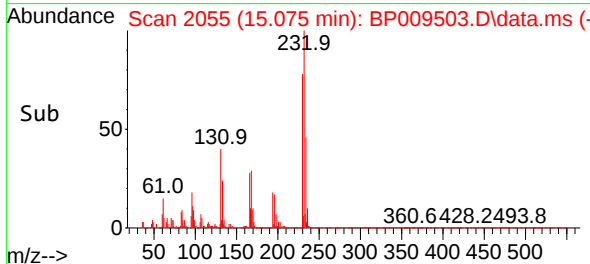
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:232 Resp: 124270
Ion Ratio Lower Upper
232 100
131 38.3 35.5 53.3
130 2.0 1.8 2.8
166 29.0 24.8 37.2

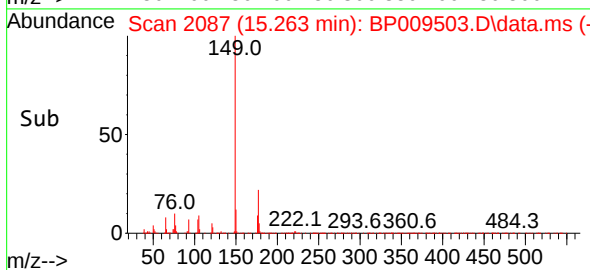
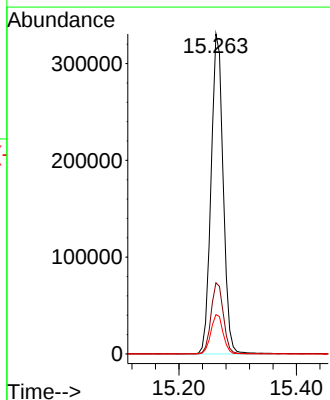
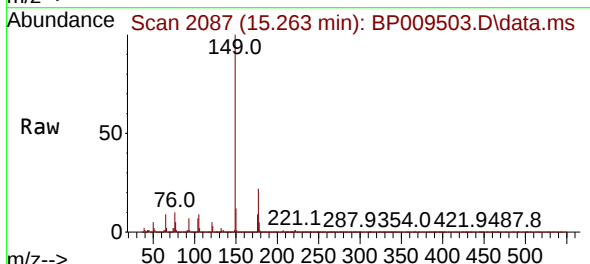
Manual Integrations
APPROVED

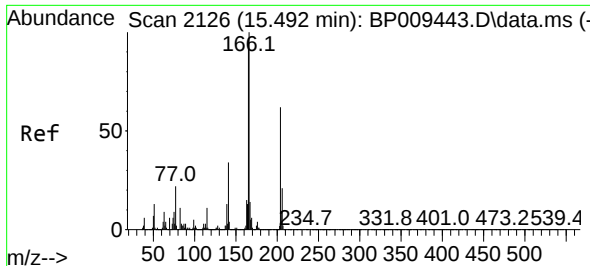
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#60
Diethylphthalate
Concen: 6.744 ng
RT: 15.263 min Scan# 2087
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

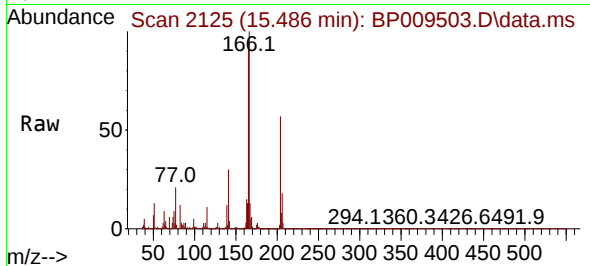
Tgt Ion:149 Resp: 472034
Ion Ratio Lower Upper
149 100
177 22.3 18.2 27.2
150 12.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.055 ng
RT: 15.486 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

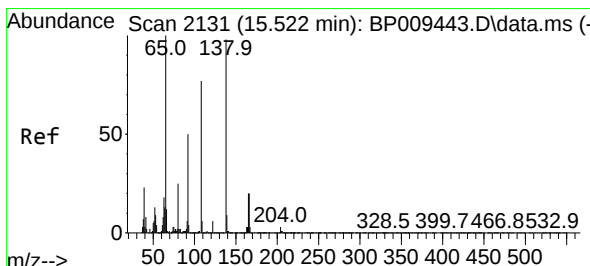
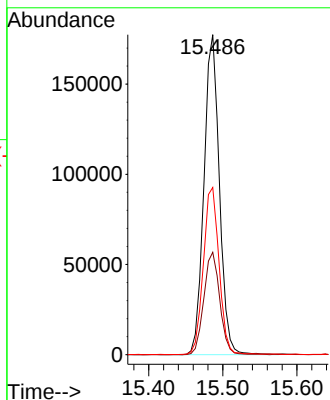
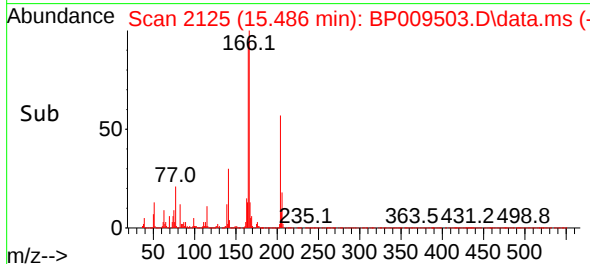
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion: 204 Resp: 256708
Ion Ratio Lower Upper
204 100
206 32.0 26.0 39.0
141 52.2 45.9 68.9

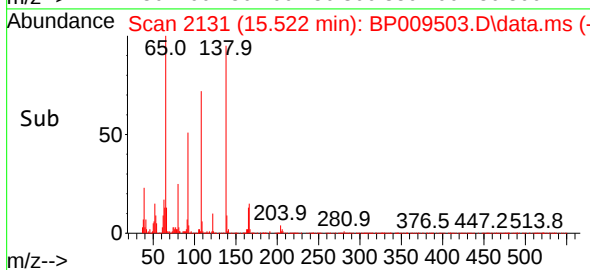
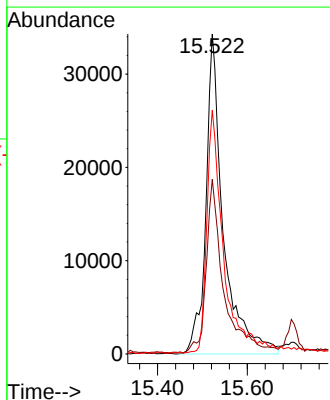
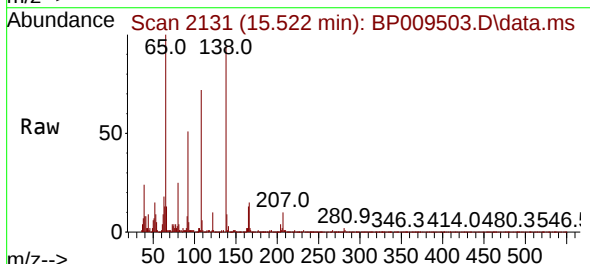
Manual Integrations
APPROVED

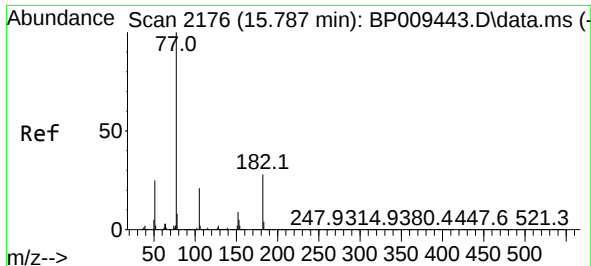
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022



#62
4-Nitroaniline
Concen: 5.712 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

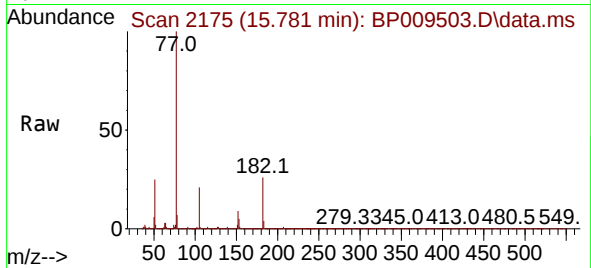
Tgt Ion: 138 Resp: 92847
Ion Ratio Lower Upper
138 100
92 54.5 31.2 71.2
108 76.1 54.3 94.3





#63
Azobenzene
Concen: 7.099 ng
RT: 15.781 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

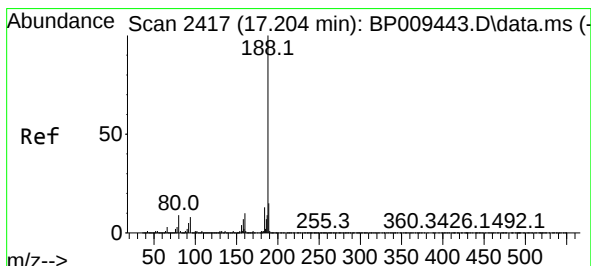
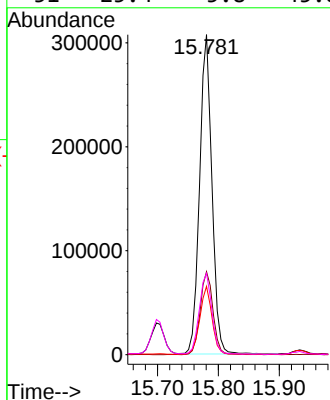
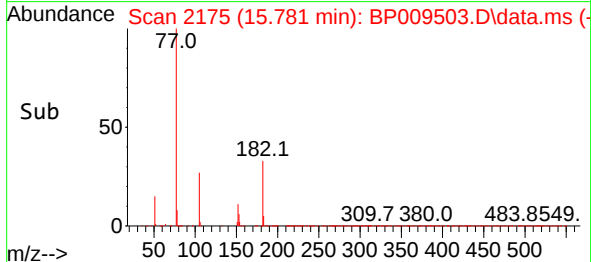
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 432272
Ion Ratio Lower Upper
77 100
182 26.0 5.4 45.4
105 21.3 0.3 40.3
51 25.4 5.8 45.8

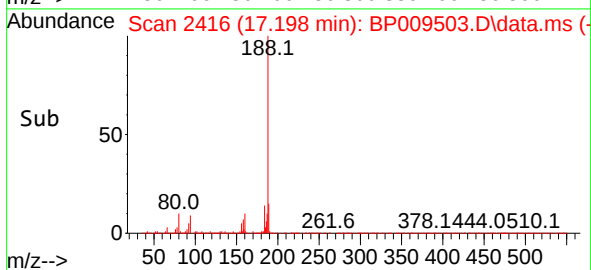
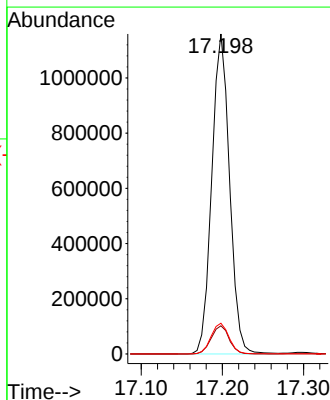
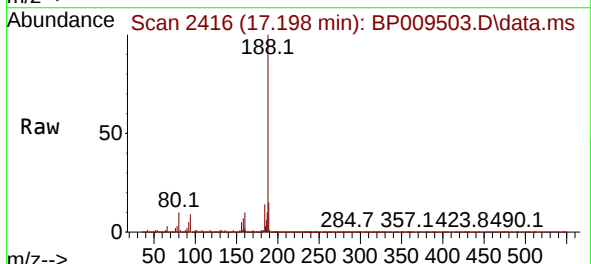
Manual Integrations
APPROVED

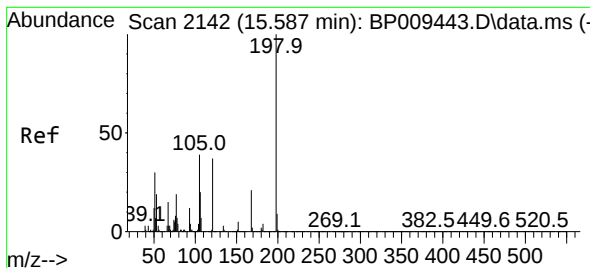
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion:188 Resp: 1765949
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.6 8.8 13.2





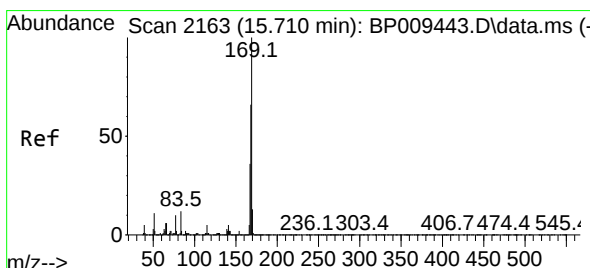
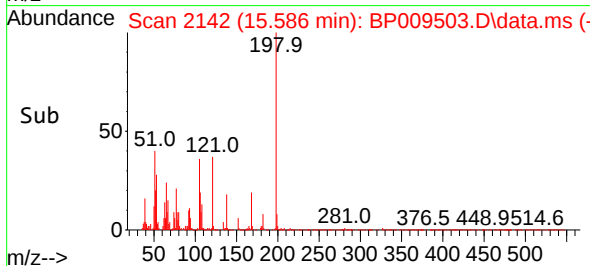
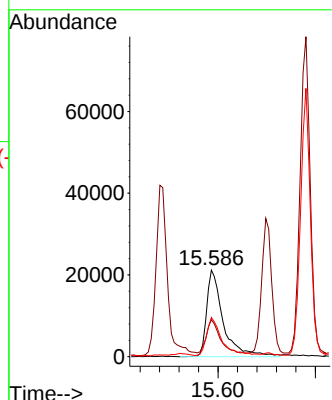
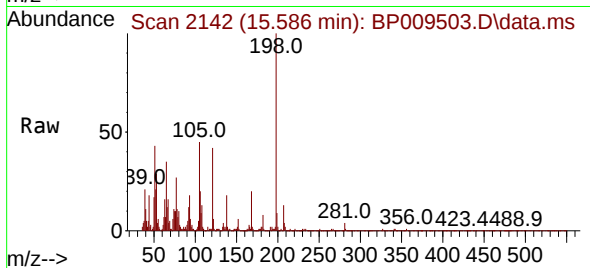
#65
4,6-Dinitro-2-methylphenol
Concen: 4.401 ng
RT: 15.586 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:198 Resp: 49972
Ion Ratio Lower Upper
198 100
51 42.7 17.7 57.7
105 45.4 23.2 63.2

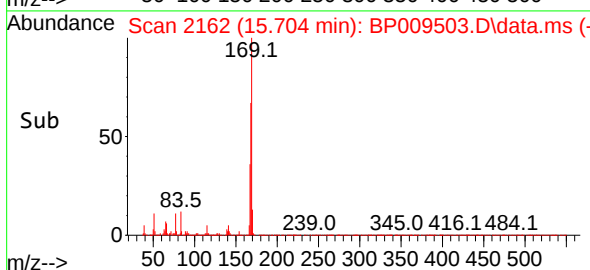
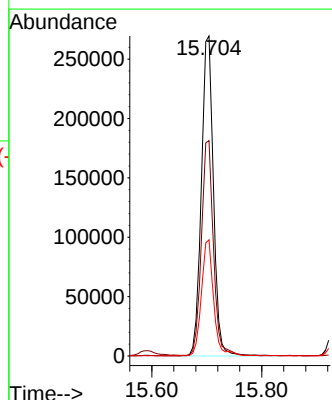
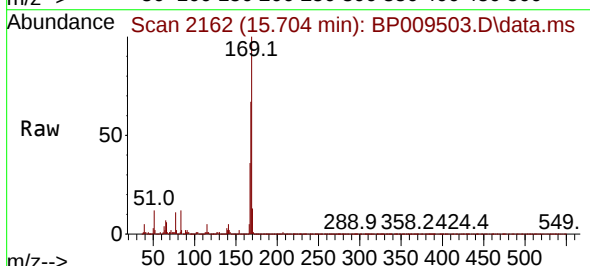
Manual Integrations
APPROVED

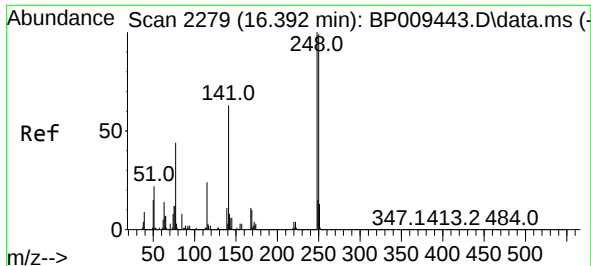
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#66
n-Nitrosodiphenylamine
Concen: 7.866 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

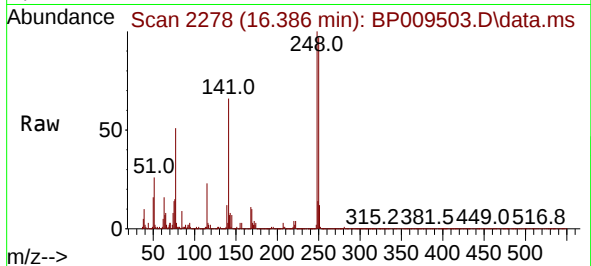
Tgt Ion:169 Resp: 411095
Ion Ratio Lower Upper
169 100
168 67.3 51.6 77.4
167 36.3 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 7.044 ng
RT: 16.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

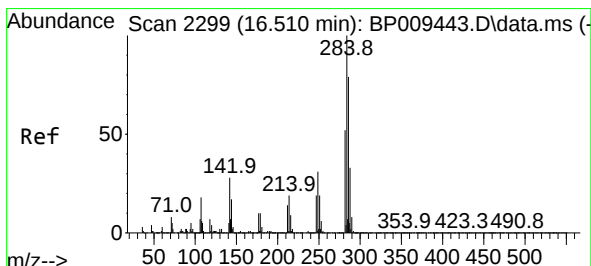
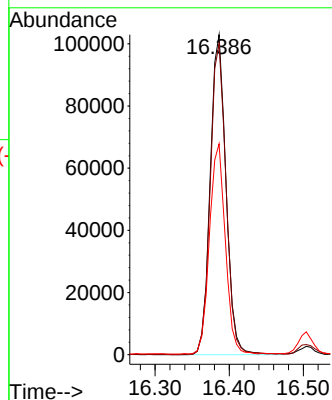
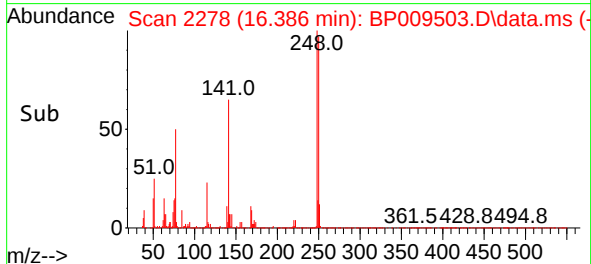
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:248 Resp: 152224
Ion Ratio Lower Upper
248 100
250 97.2 77.7 116.5
141 65.9 58.3 87.5

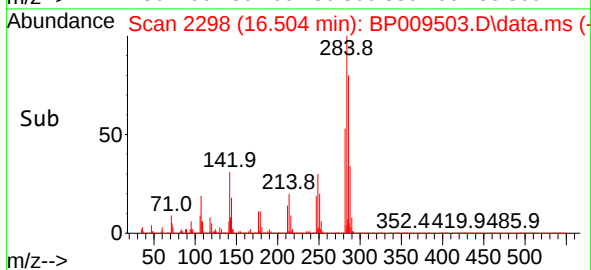
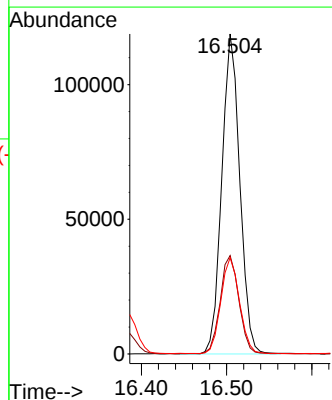
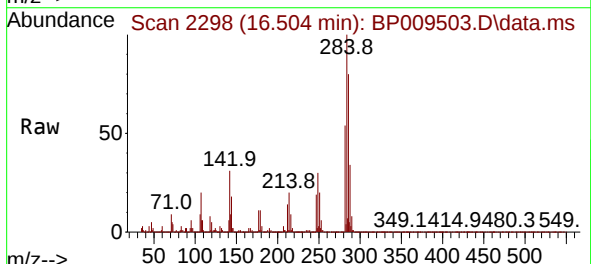
Manual Integrations
APPROVED

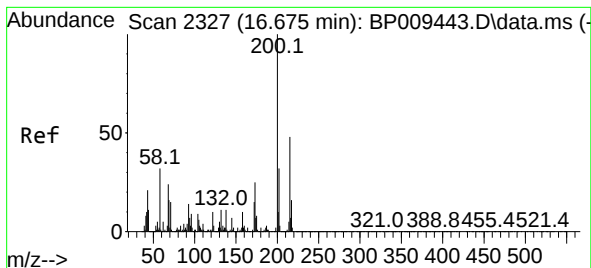
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#68
Hexachlorobenzene
Concen: 7.011 ng
RT: 16.504 min Scan# 2298
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion:284 Resp: 174356
Ion Ratio Lower Upper
284 100
142 30.8 26.8 40.2
249 30.1 24.6 37.0





#69

Atrazine

Concen: 7.547 ng

RT: 16.663 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

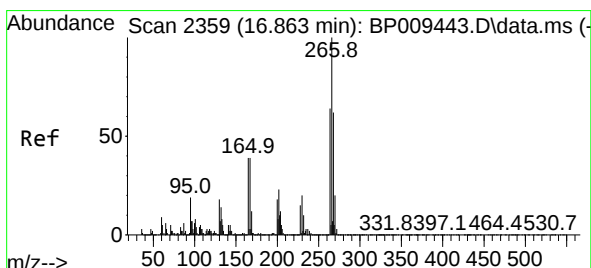
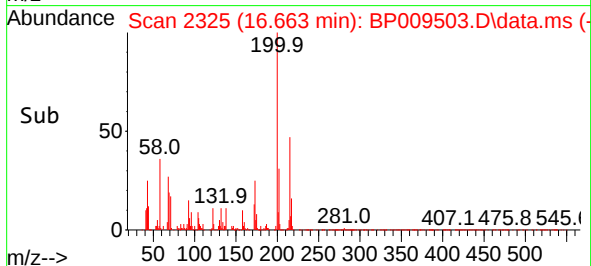
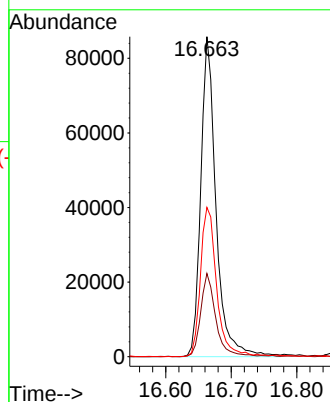
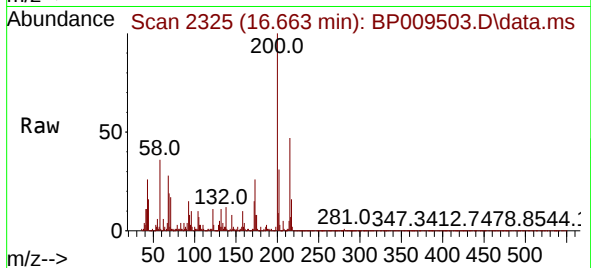
Tgt Ion:200 Resp: 138672
 Ion Ratio Lower Upper
 200 100
 173 26.0 6.2 46.2
 215 46.6 28.5 68.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#70

Pentachlorophenol

Concen: 4.771 ng

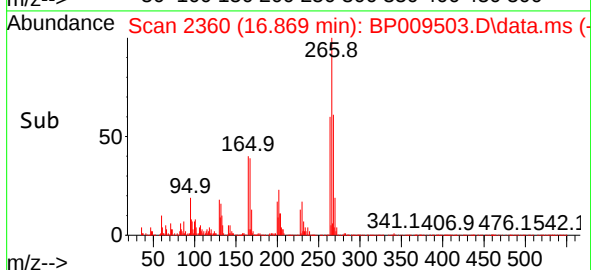
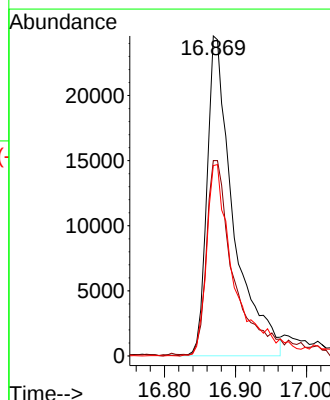
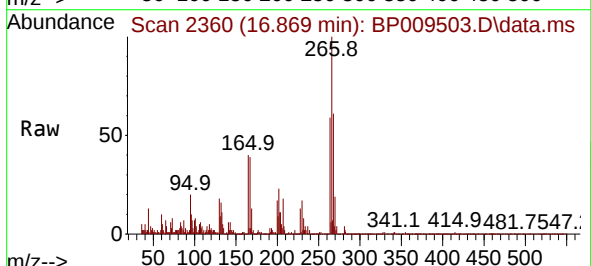
RT: 16.869 min Scan# 2360

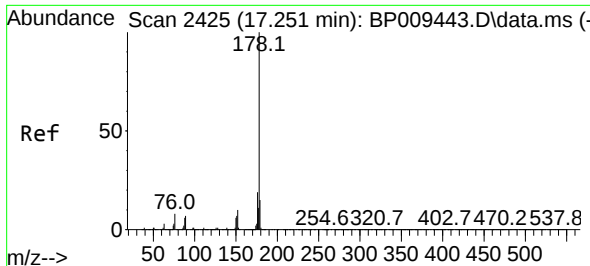
Delta R.T. 0.006 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

Tgt Ion:266 Resp: 63428
 Ion Ratio Lower Upper
 266 100
 268 61.1 49.8 74.8
 264 59.5 50.9 76.3





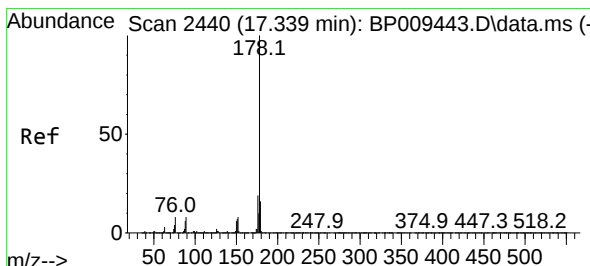
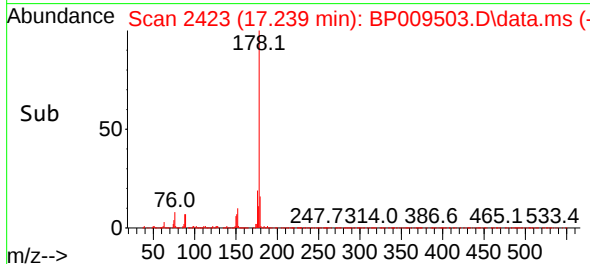
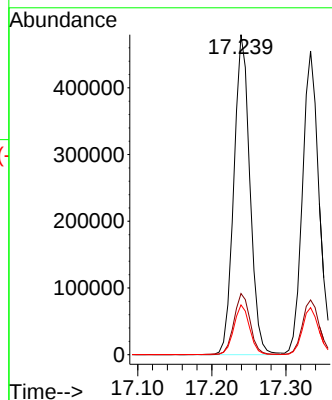
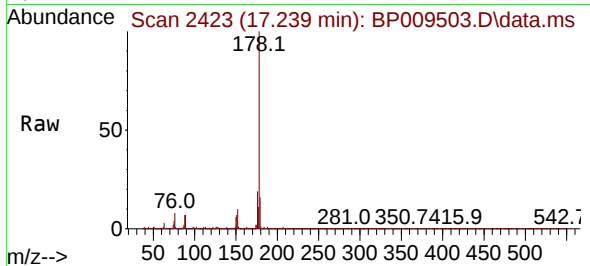
#71
Phenanthrene
Concen: 7.622 ng
RT: 17.239 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:178 Resp: 720500
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.5 12.3 18.5

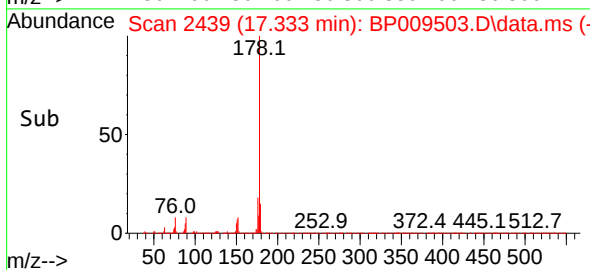
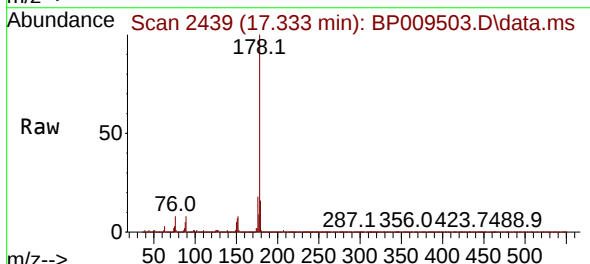
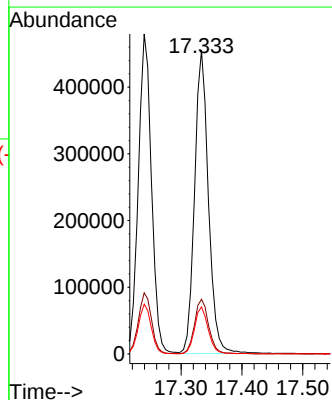
Manual Integrations
APPROVED

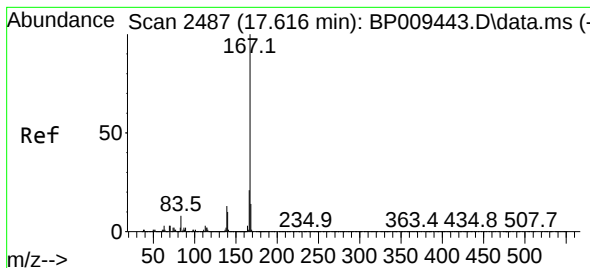
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#72
Anthracene
Concen: 7.676 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion:178 Resp: 716410
Ion Ratio Lower Upper
178 100
176 18.0 14.8 22.2
179 15.5 12.2 18.4





#73

Carbazole

Concen: 6.960 ng

RT: 17.616 min Scan# 2487

Delta R.T. -0.000 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

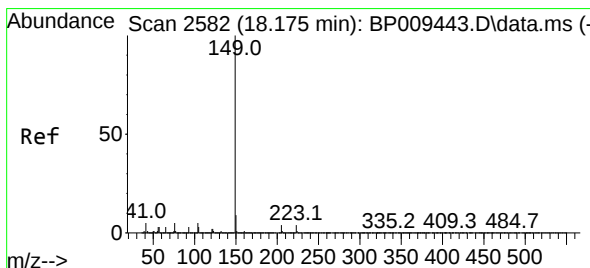
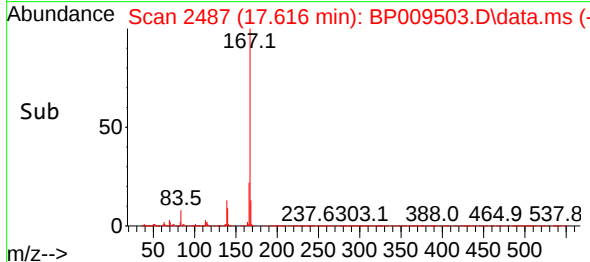
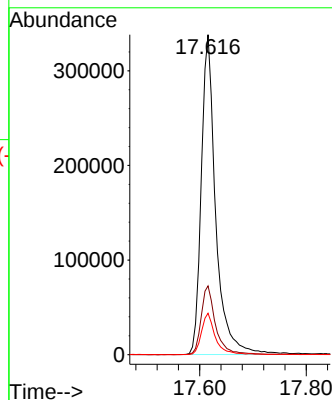
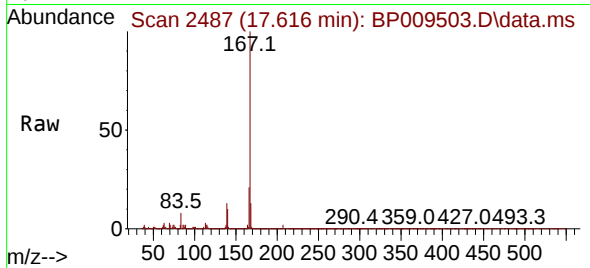
Tgt Ion:167	Resp: 63530
Ion Ratio	Lower Upper
167 100	
166 21.5	17.2 25.8
139 13.0	10.3 15.5

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#74

Di-n-butylphthalate

Concen: 6.953 ng

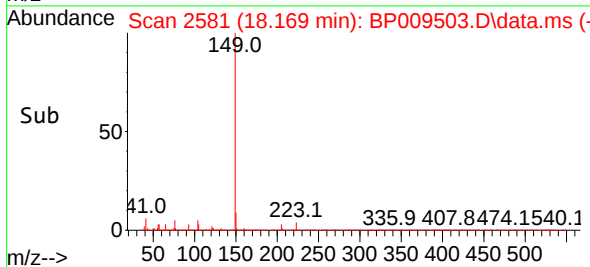
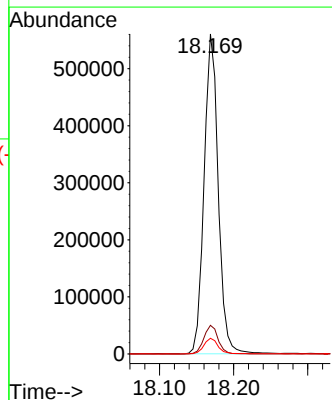
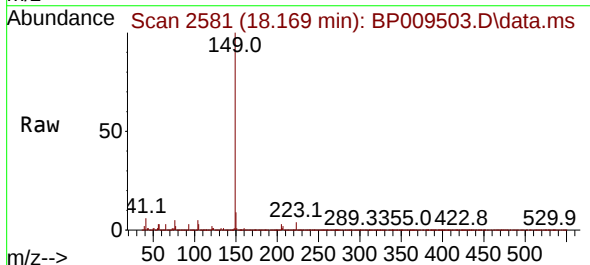
RT: 18.169 min Scan# 2581

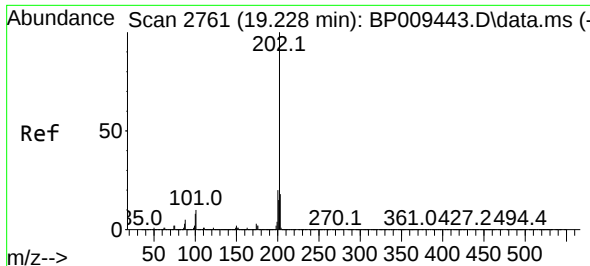
Delta R.T. -0.006 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

Tgt Ion:149	Resp: 743664
Ion Ratio	Lower Upper
149 100	
150 9.0	7.3 10.9
104 4.9	4.2 6.2





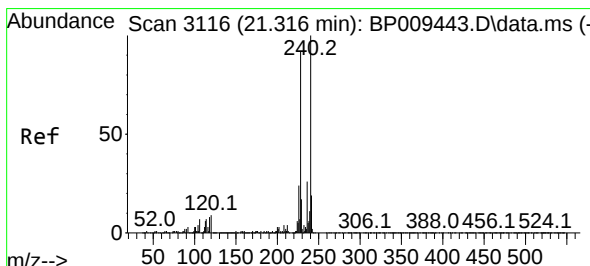
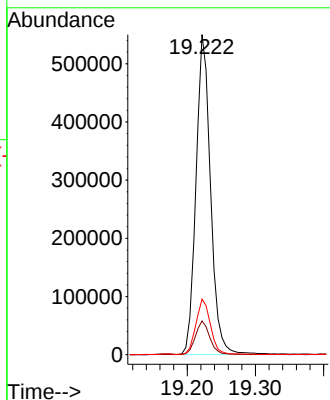
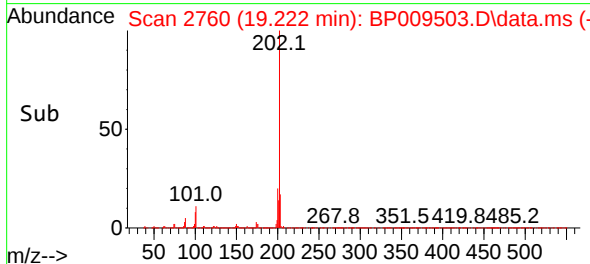
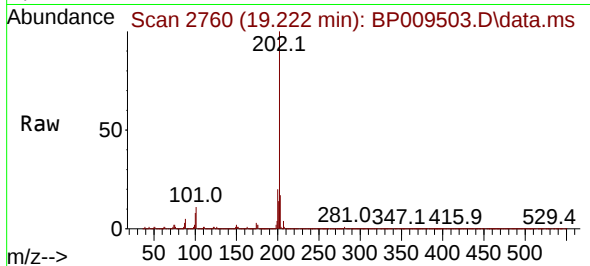
#75
Fluoranthene
Concen: 7.105 ng
RT: 19.222 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:202 Resp: 813099
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.5
203 17.4 0.0 37.8

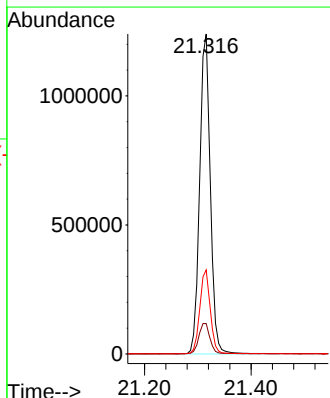
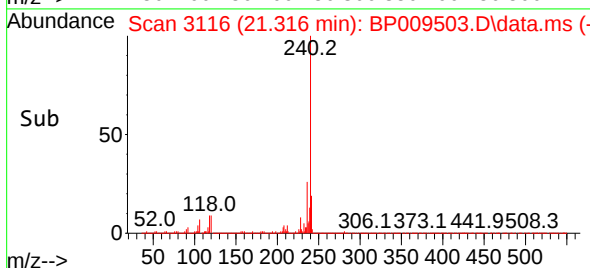
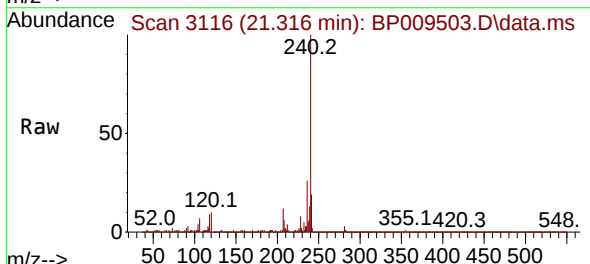
Manual Integrations
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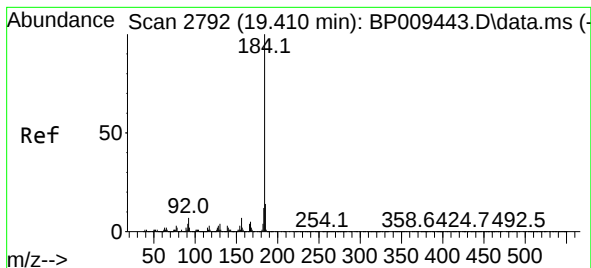
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion:240 Resp: 1714736
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.4
236 26.3 20.6 30.8





#77

Benzidine

Concen: 10.350 ng

RT: 19.410 min Scan# 2792

Delta R.T. -0.000 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

Instrument :

BNA_P

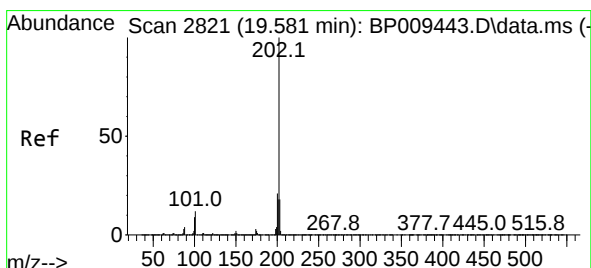
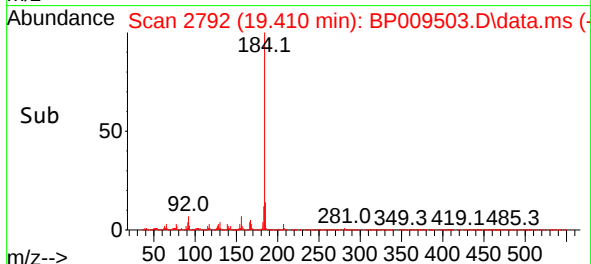
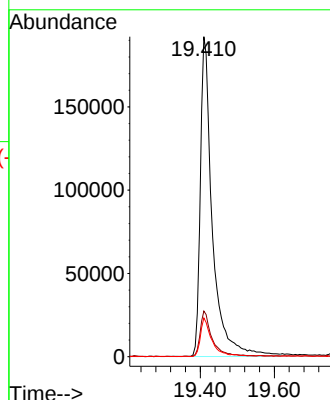
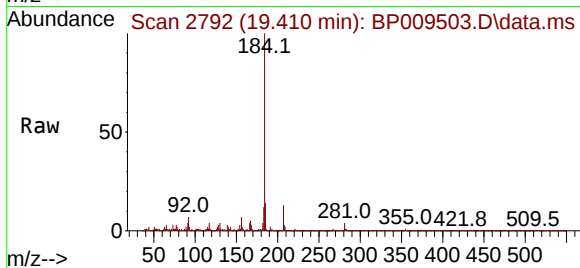
ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:184 Resp: 434998
 Ion Ratio Lower Upper
 184 100
 185 14.3 11.5 17.3
 183 12.1 9.4 14.0

Manual Integrations
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Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#78

Pyrene

Concen: 7.530 ng

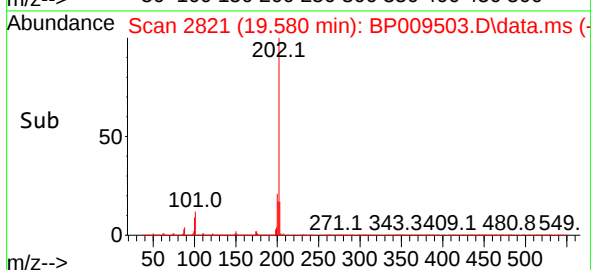
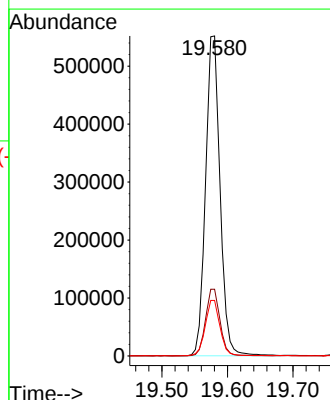
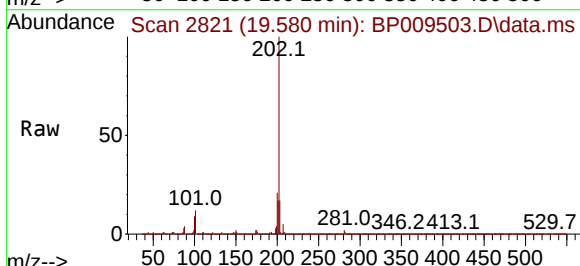
RT: 19.580 min Scan# 2821

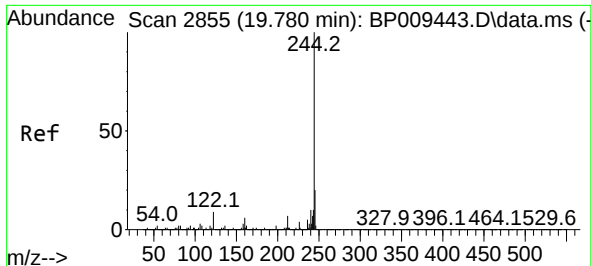
Delta R.T. -0.000 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

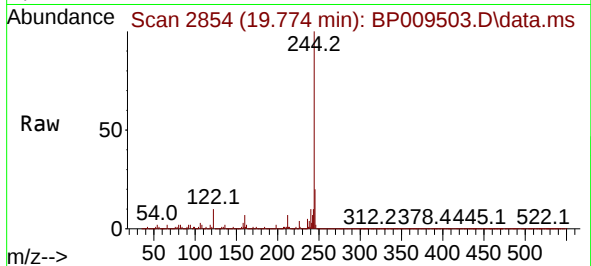
Tgt Ion:202 Resp: 850830
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.8 25.2
 203 17.4 14.2 21.4





#79
 Terphenyl-d14
 Concen: 76.398 ng
 RT: 19.774 min Scan# 2855
 Delta R.T. -0.006 min
 Lab File: BP009503.D
 Acq: 23 Mar 2022 12:42

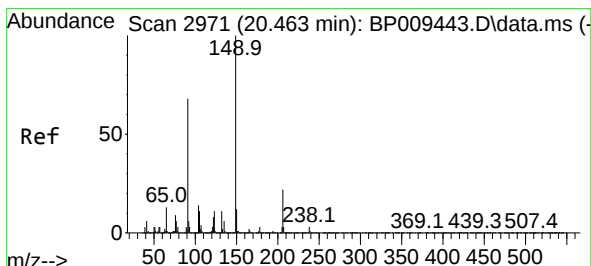
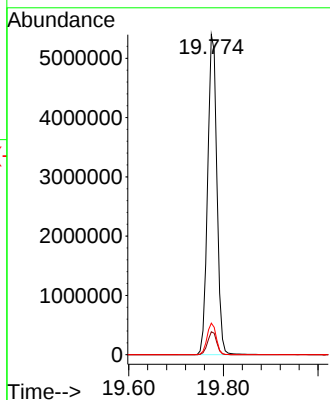
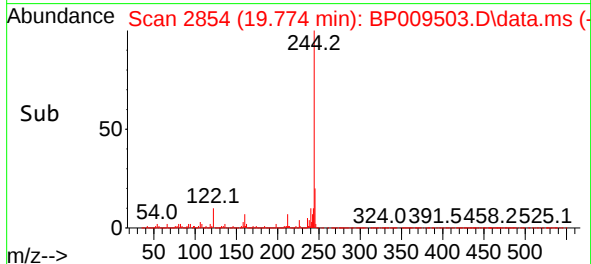
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



Tgt Ion:244 Resp: 729861
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.9 8.3 12.5

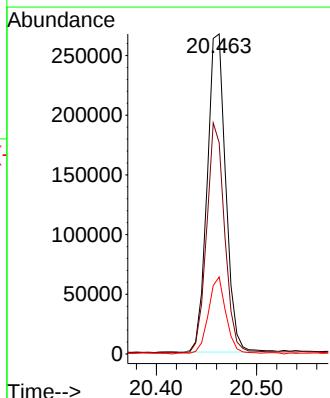
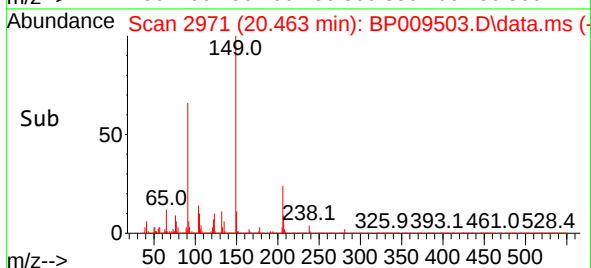
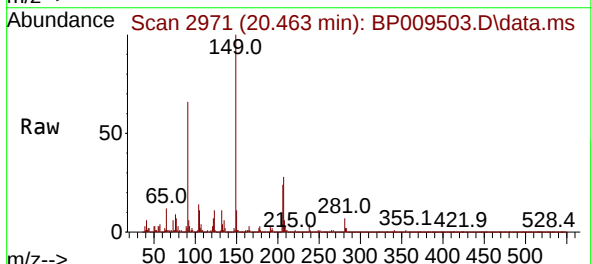
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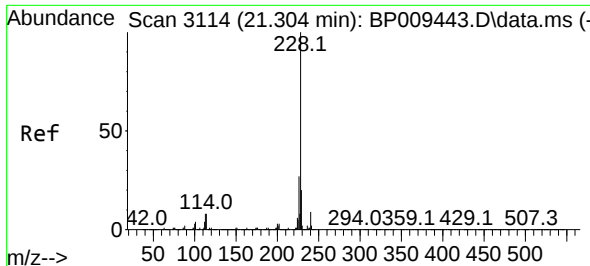
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#80
 Butylbenzylphthalate
 Concen: 7.135 ng
 RT: 20.463 min Scan# 2971
 Delta R.T. -0.000 min
 Lab File: BP009503.D
 Acq: 23 Mar 2022 12:42

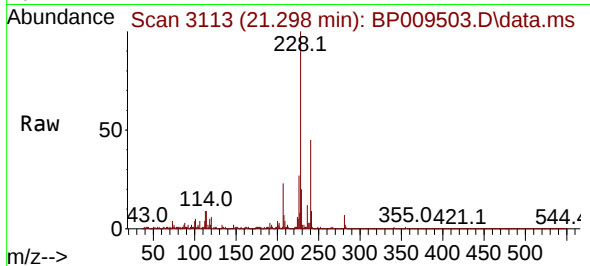
Tgt Ion:149 Resp: 342664
 Ion Ratio Lower Upper
 149 100
 91 66.0 57.9 86.9
 206 24.0 16.9 25.3





#81
Benzo(a)anthracene
Concen: 7.658 ng
RT: 21.298 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

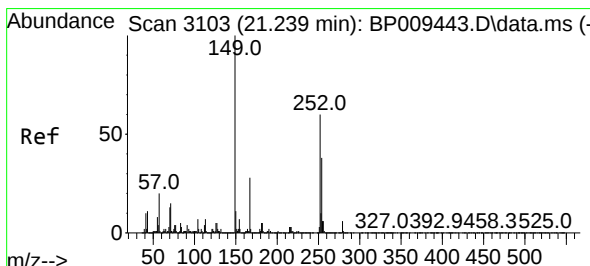
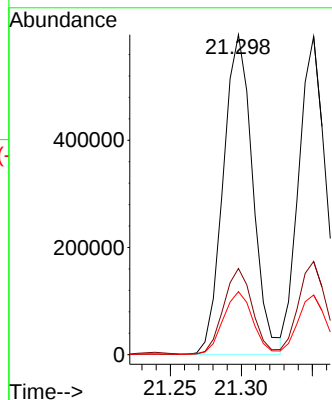
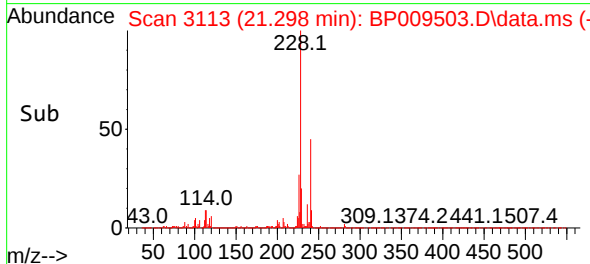
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:228 Resp: 86276
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.7 16.1 24.1

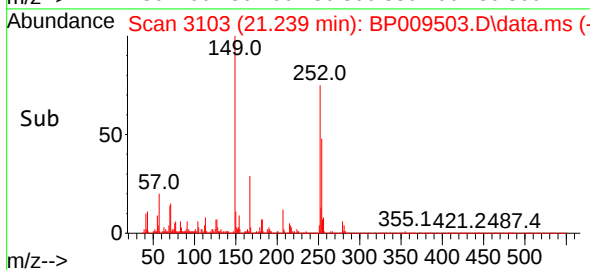
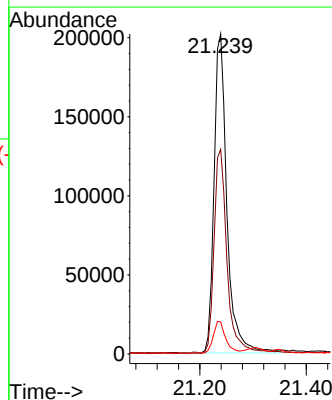
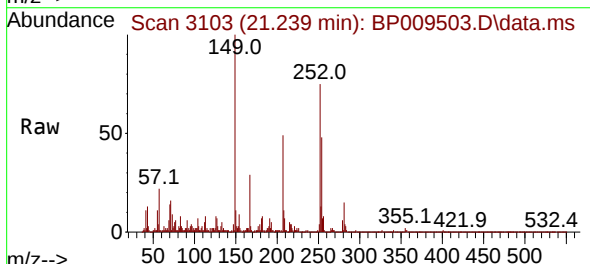
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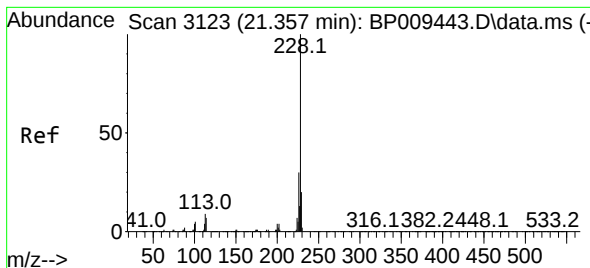
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#82
3,3'-Dichlorobenzidine
Concen: 7.798 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion:252 Resp: 339389
Ion Ratio Lower Upper
252 100
254 64.0 50.7 76.1
126 10.0 8.9 13.3





#83

Chrysene

Concen: 7.516 ng

RT: 21.351 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

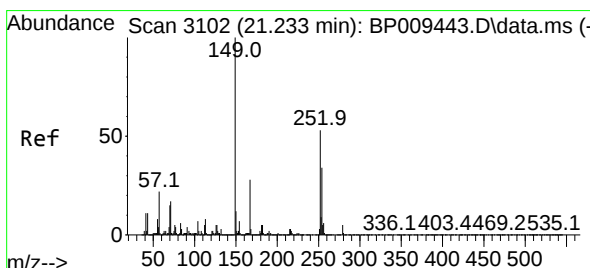
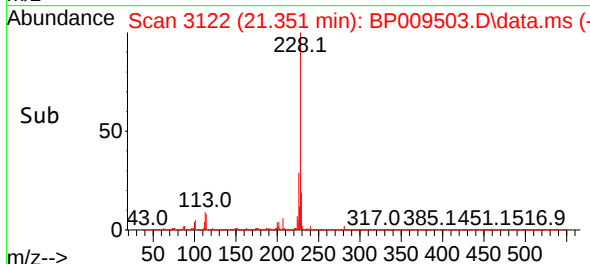
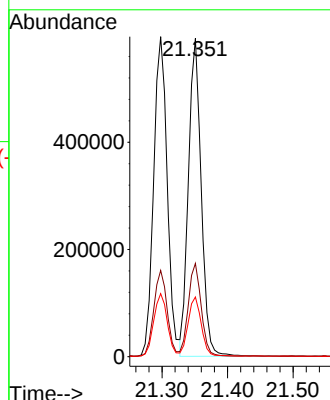
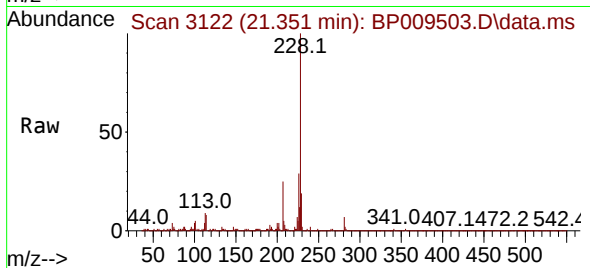
Tgt Ion:228	Resp: 80180
Ion Ratio	Lower Upper
228 100	
226 29.3	24.2 36.2
229 18.8	16.1 24.1

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Supervised By :Jagrut Upadhyay 03/24/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.880 ng

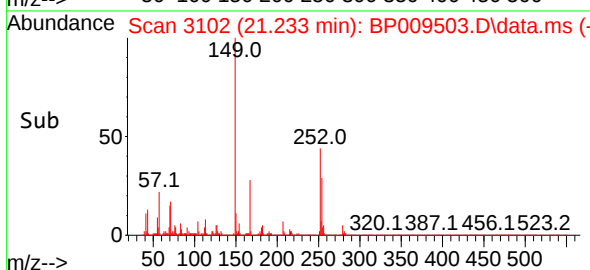
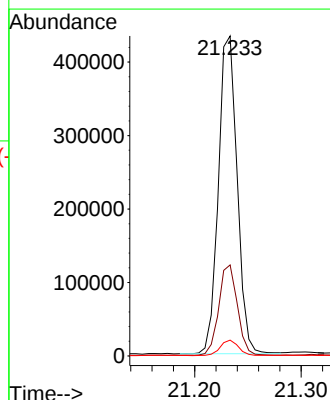
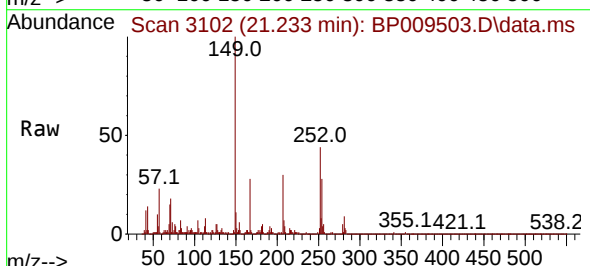
RT: 21.233 min Scan# 3102

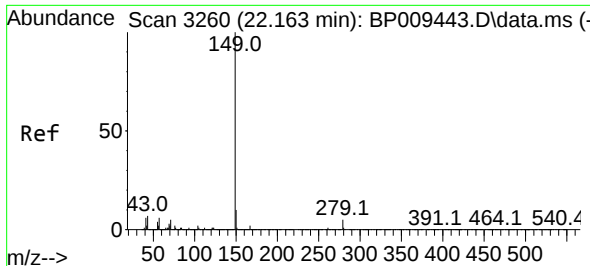
Delta R.T. -0.000 min

Lab File: BP009503.D

Acq: 23 Mar 2022 12:42

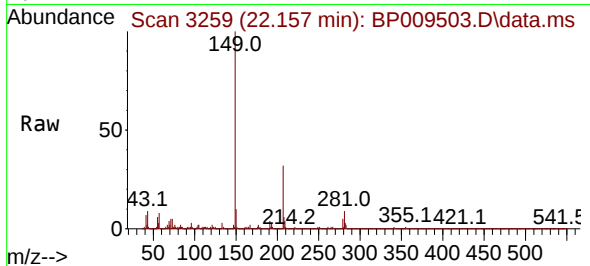
Tgt Ion:149	Resp: 527503
Ion Ratio	Lower Upper
149 100	
167 28.5	22.6 33.8
279 4.9	3.8 5.6





#85
Di-n-octyl phthalate
Concen: 8.105 ng
RT: 22.157 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

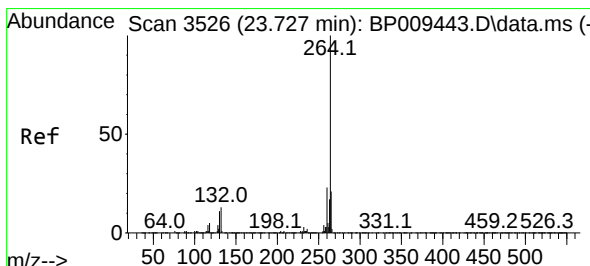
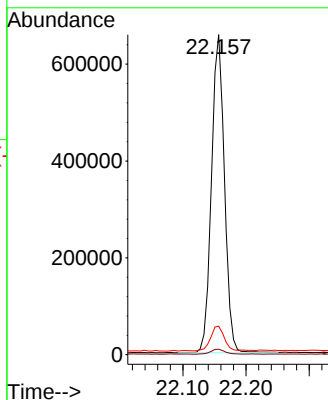
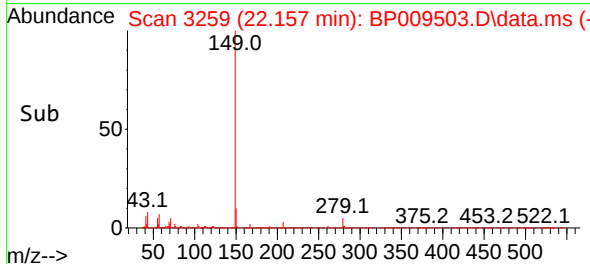
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:149 Resp: 935199
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.3 6.9 10.3

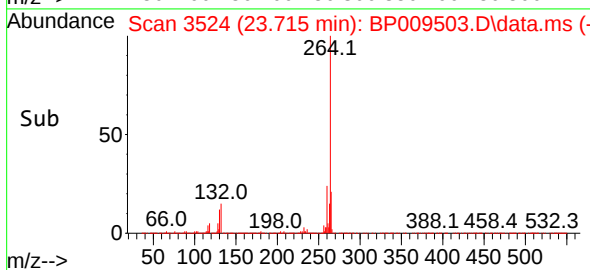
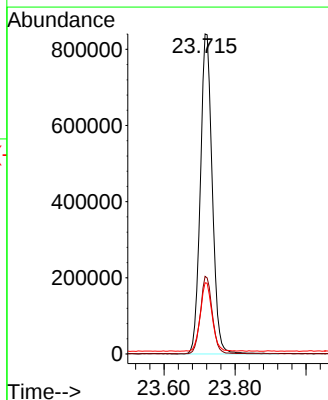
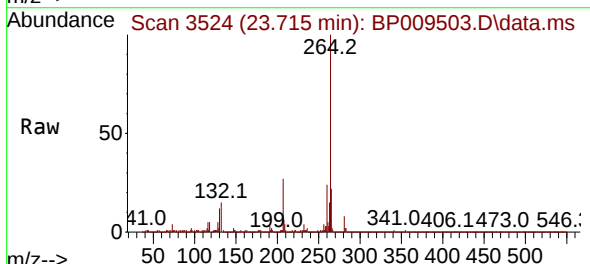
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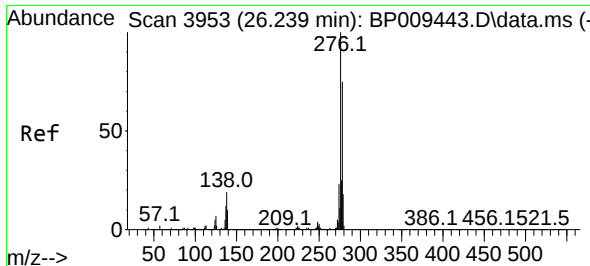
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3524
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

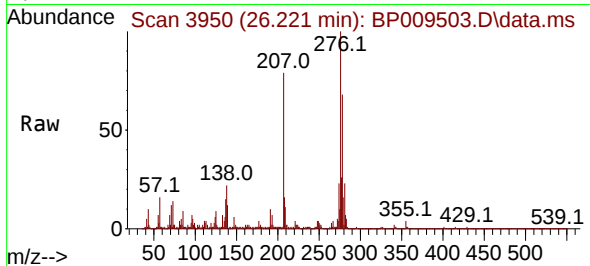
Tgt Ion:264 Resp: 1964588
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 22.2 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.390 ng
RT: 26.221 min Scan# 3953
Delta R.T. -0.018 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

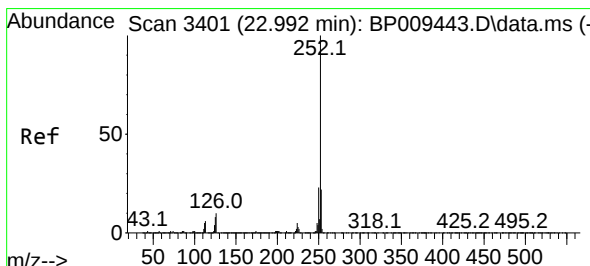
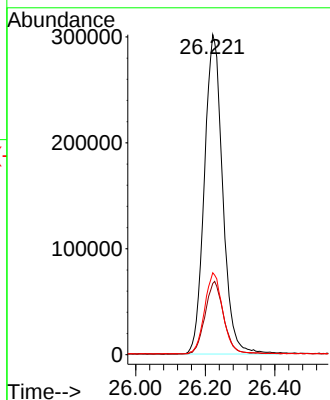
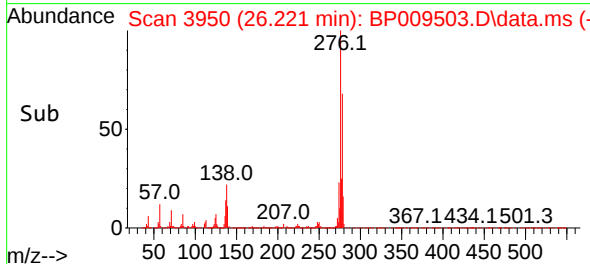
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion: 276 Resp: 110144
Ion Ratio Lower Upper
276 100
138 23.0 20.5 30.7
277 25.3 20.4 30.6

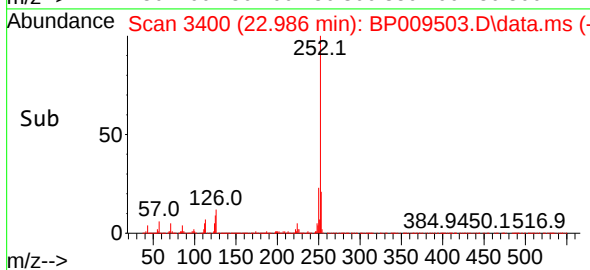
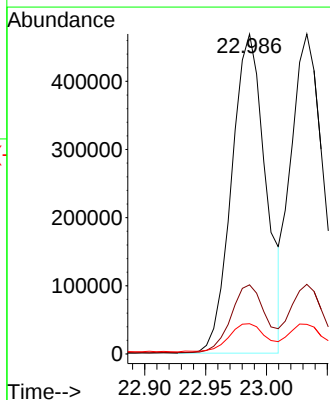
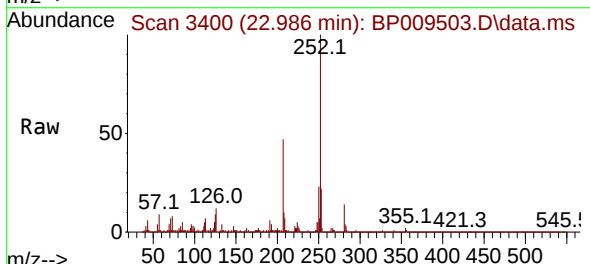
Manual Integrations
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Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022



#88
Benzo(b)fluoranthene
Concen: 7.792 ng
RT: 22.986 min Scan# 3400
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

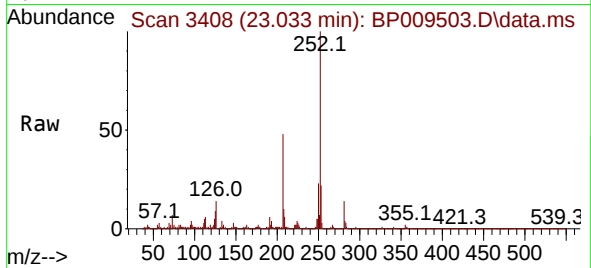
Tgt Ion: 252 Resp: 913864
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 9.5 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 7.720 ng
RT: 23.033 min Scan# 3409
Delta R.T. -0.006 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

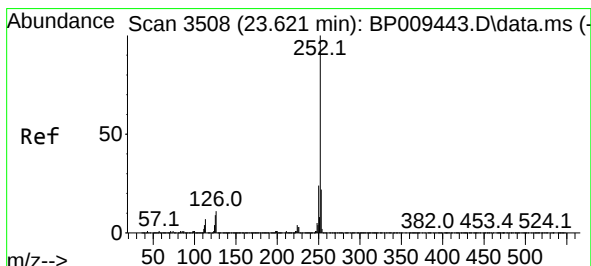
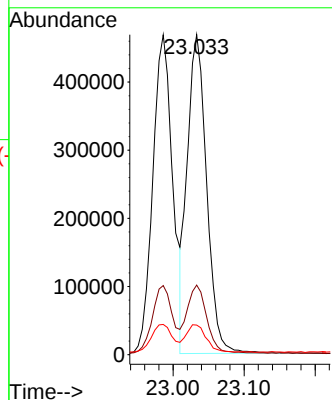
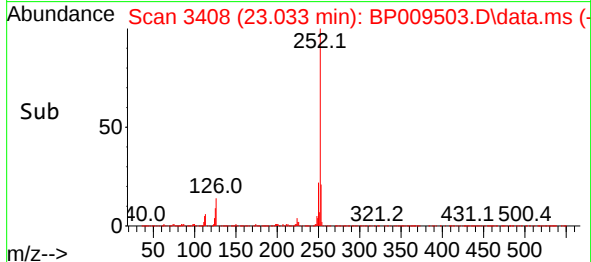
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:252 Resp: 88646
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 9.2 8.3 12.5

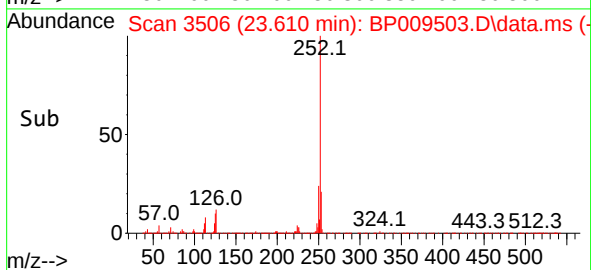
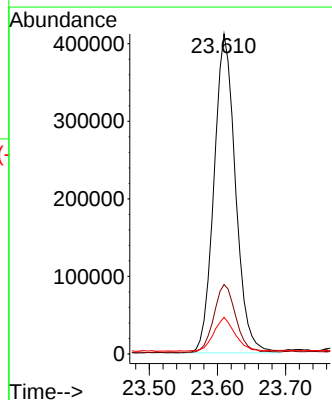
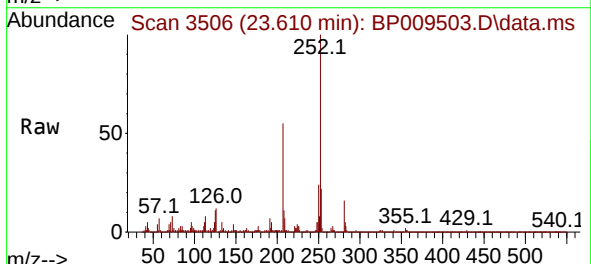
Manual Integrations
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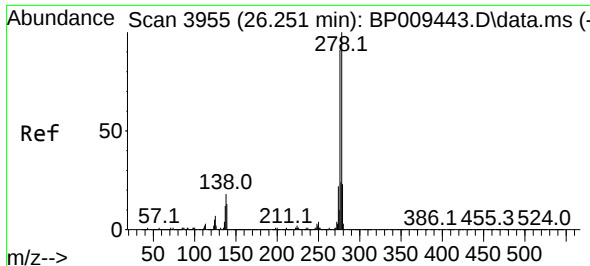
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#90
Benzo(a)pyrene
Concen: 9.008 ng
RT: 23.610 min Scan# 3506
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

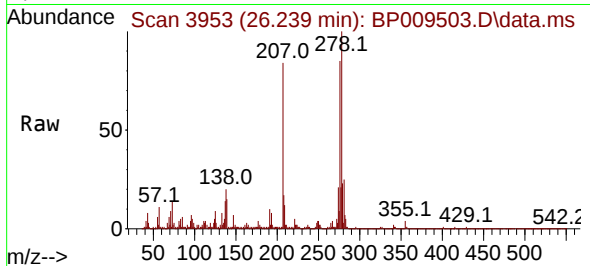
Tgt Ion:252 Resp: 903872
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 11.5 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 7.798 ng
RT: 26.239 min Scan# 3955
Delta R.T. -0.012 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

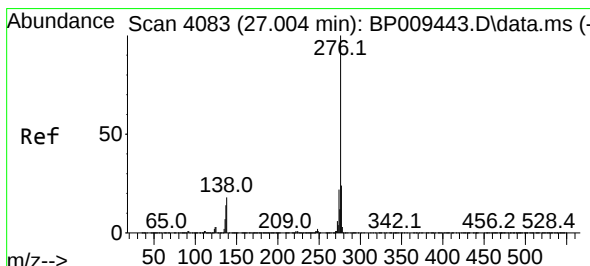
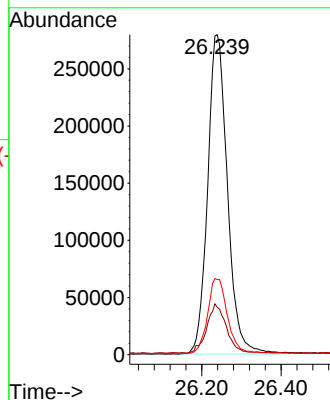
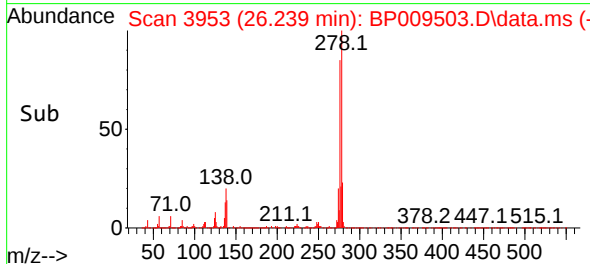
Instrument : BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 278 Resp: 96872
Ion Ratio Lower Upper
278 100
139 14.8 13.2 19.8
279 23.5 19.2 28.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022



#92
Benzo(g,h,i)perylene
Concen: 7.812 ng
RT: 26.986 min Scan# 4080
Delta R.T. -0.018 min
Lab File: BP009503.D
Acq: 23 Mar 2022 12:42

Tgt Ion: 276 Resp: 954634
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 19.6 18.0 27.0

