

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019540.D
 Acq On : 02 Feb 2024 22:25
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 02 23:58:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	78027	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	325955	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	237535	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	528056	20.000	ng	0.00
76) Chrysene-d12	21.386	240	404239	20.000	ng	0.00
86) Perylene-d12	23.804	264	447374	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	622762	128.653	ng	0.00
7) Phenol-d6	7.081	99	846975	129.766	ng	0.00
23) Nitrobenzene-d5	9.081	82	580498	77.170	ng	0.00
42) 2,4,6-Tribromophenol	16.034	330	498123	143.627	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1438645	74.873	ng	0.00
79) Terphenyl-d14	19.869	244	2241517	91.190	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	7569	4.058	ng	97
3) Pyridine	3.793	79	18685m	3.695	ng	
4) n-Nitrosodimethylamine	3.717	42	8300	3.770	ng	# 84
6) Aniline	7.240	93	29993	4.729	ng	98
8) 2-Chlorophenol	7.469	128	18752	3.773	ng	97
9) Benzaldehyde	7.063	77	22036	4.815	ng	90
10) Phenol	7.105	94	25859	3.975	ng	88
11) bis(2-Chloroethyl)ether	7.346	93	19723	3.897	ng	93
12) 1,3-Dichlorobenzene	7.793	146	22952	3.774	ng	94
13) 1,4-Dichlorobenzene	7.946	146	23275	3.778	ng	93
14) 1,2-Dichlorobenzene	8.258	146	22431	3.763	ng	100
15) Benzyl Alcohol	8.158	79	20818m	3.992	ng	
16) 2,2'-oxybis(1-Chloropr...	8.452	45	20673	4.085	ng	96
17) 2-Methylphenol	8.352	107	17361	3.964	ng	94
18) Hexachloroethane	8.981	117	8760	3.668	ng	95
19) n-Nitroso-di-n-propyla...	8.722	70	18480	4.145	ng	# 92
20) 3+4-Methylphenols	8.681	107	22655	3.790	ng	96
22) Acetophenone	8.740	105	38132	4.106	ng	# 96
24) Nitrobenzene	9.116	77	28491m	3.762	ng	
25) Isophorone	9.646	82	51312	3.917	ng	96
26) 2-Nitrophenol	9.828	139	9340	3.234	ng	95
27) 2,4-Dimethylphenol	9.887	122	16211	4.390	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	28785	3.883	ng	96
29) 2,4-Dichlorophenol	10.357	162	20957	3.754	ng	92
30) 1,2,4-Trichlorobenzene	10.569	180	24601	3.594	ng	98
31) Naphthalene	10.763	128	67514	3.777	ng	96
32) Benzoic acid	9.952	122	9402m	2.613	ng	
33) 4-Chloroaniline	10.881	127	27502	4.160	ng	98
34) Hexachlorobutadiene	11.040	225	17830	3.515	ng	97
35) Caprolactam	11.646	113	5778	3.656	ng	# 80
36) 4-Chloro-3-methylphenol	11.993	107	22956	3.772	ng	99
37) 2-Methylnaphthalene	12.369	142	47664	3.853	ng	100
38) 1-Methylnaphthalene	12.587	142	47489	3.906	ng	95
40) 1,2,4,5-Tetrachloroben...	12.728	216	32491	3.547	ng	100
41) Hexachlorocyclopentadiene	12.704	237	17111	4.135	ng	97
43) 2,4,6-Trichlorophenol	12.975	196	18527	3.340	ng	96

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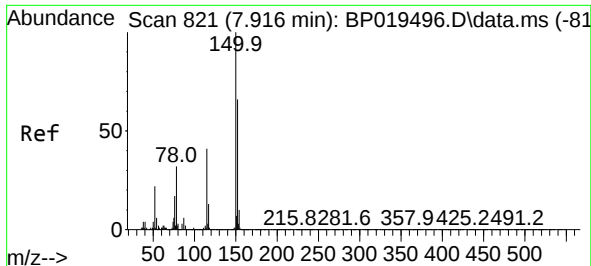
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	21153	3.473	ng	98
46) 1,1'-Biphenyl	13.381	154	70321	3.709	ng	97
47) 2-Chloronaphthalene	13.422	162	54324	3.491	ng	97
48) 2-Nitroaniline	13.634	65	14393	3.307	ng	93
49) Acenaphthylene	14.263	152	85850	3.932	ng	99
50) Dimethylphthalate	14.010	163	70545	3.880	ng	99
51) 2,6-Dinitrotoluene	14.134	165	14280	3.574	ng	96
52) Acenaphthene	14.604	154	50130	3.699	ng	94
53) 3-Nitroaniline	14.457	138	13068	3.559	ng	# 94
54) 2,4-Dinitrophenol	14.663	184	5579	2.690	ng	92
55) Dibenzofuran	14.940	168	85570	3.877	ng	96
56) 4-Nitrophenol	14.757	139	8880	2.951	ng	97
57) 2,4-Dinitrotoluene	14.916	165	17034	3.254	ng	93
58) Fluorene	15.592	166	67063	3.815	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.163	232	19656	3.836	ng	97
60) Diethylphthalate	15.375	149	68017	3.761	ng	99
61) 4-Chlorophenyl-phenyle...	15.592	204	38201	3.866	ng	98
62) 4-Nitroaniline	15.616	138	12851	3.339	ng	97
63) Azobenzene	15.887	77	64551	3.691	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	8158	2.709	ng	92
66) n-Nitrosodiphenylamine	15.810	169	58473	3.697	ng	97
67) 4-Bromophenyl-phenylether	16.492	248	23438	3.550	ng	98
68) Hexachlorobenzene	16.587	284	27808	3.607	ng	95
69) Atrazine	16.769	200	22469	4.282	ng	98
70) Pentachlorophenol	16.939	266	13373	2.786	ng	97
71) Phenanthrene	17.339	178	108112	3.890	ng	98
72) Anthracene	17.428	178	105848	3.818	ng	99
73) Carbazole	17.704	167	89077	3.537	ng	99
74) Di-n-butylphthalate	18.269	149	100187	3.290	ng	99
75) Fluoranthene	19.304	202	117604	3.464	ng	98
77) Benzidine	19.492	184	44412	5.255	ng	97
78) Pyrene	19.657	202	118512	4.154	ng	100
80) Butylbenzylphthalate	20.551	149	33896	3.181	ng	97
81) Benzo(a)anthracene	21.369	228	107009	3.761	ng	100
82) 3,3'-Dichlorobenzidine	21.310	252	36746	3.544	ng	98
83) Chrysene	21.422	228	98669	3.652	ng	98
84) Bis(2-ethylhexyl)phtha...	21.322	149	46603	2.873	ng	99
85) Di-n-octyl phthalate	22.263	149	72599	2.543	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.321	276	122960	3.591	ng	99
88) Benzo(b)fluoranthene	23.063	252	96978	3.439	ng	98
89) Benzo(k)fluoranthene	23.110	252	97794	3.631	ng	97
90) Benzo(a)pyrene	23.692	252	86322	3.441	ng	# 97
91) Dibenzo(a,h)anthracene	26.345	278	102562	3.641	ng	96
92) Benzo(g,h,i)perylene	27.086	276	98112	3.434	ng	98

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



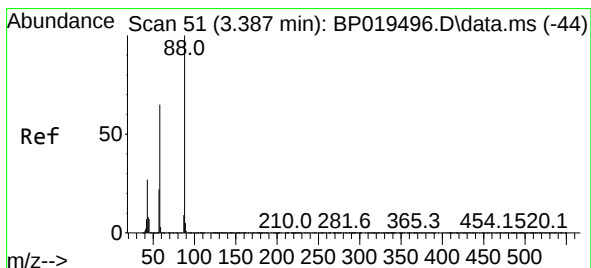
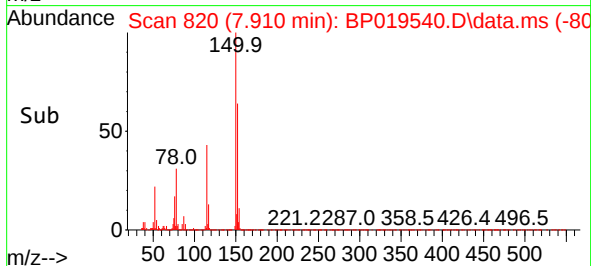
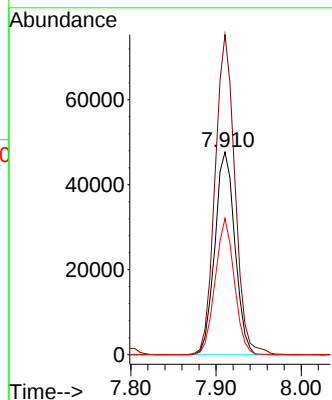
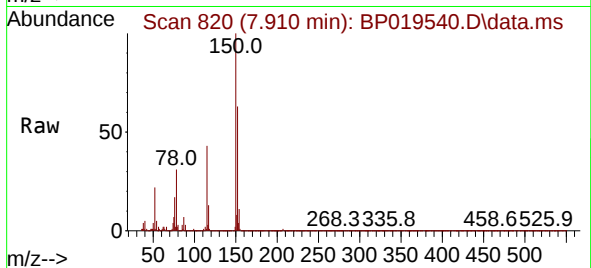
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:152 Resp: 7802
Ion Ratio Lower Upper
152 100
150 158.0 121.8 182.8
115 67.3 49.9 74.9

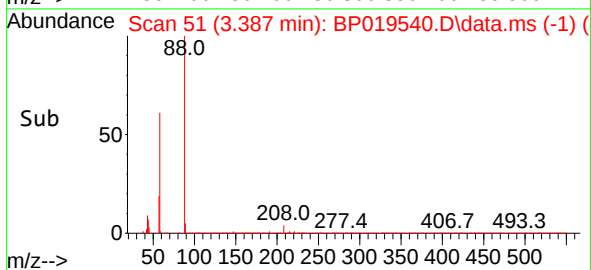
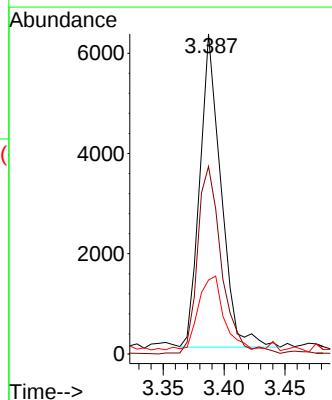
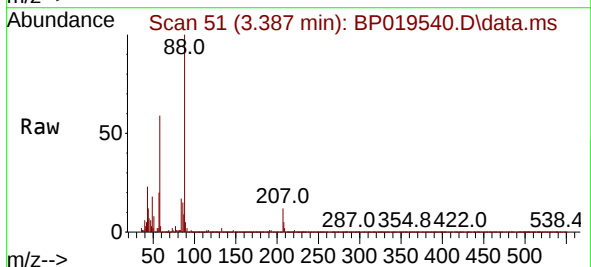
Manual Integrations
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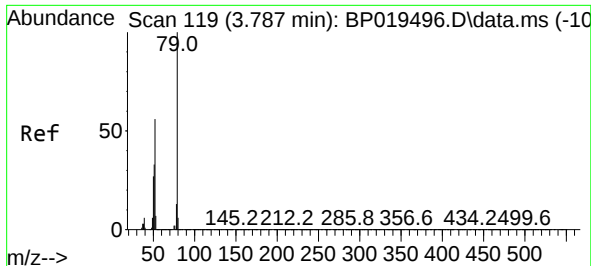
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#2
1,4-Dioxane
Concen: 4.058 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 88 Resp: 7569
Ion Ratio Lower Upper
88 100
58 68.0 52.6 78.8
43 28.3 21.9 32.9





#3

Pyridine

Concen: 3.695 ng m

RT: 3.793 min Scan# 119

Delta R.T. 0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

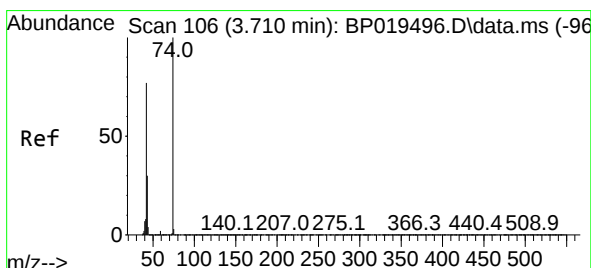
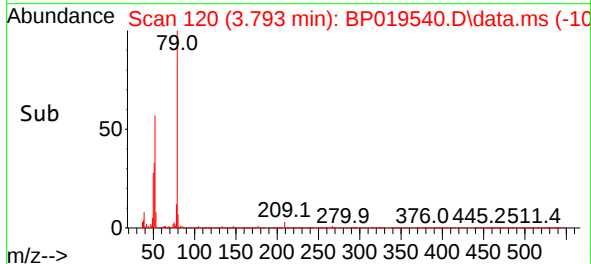
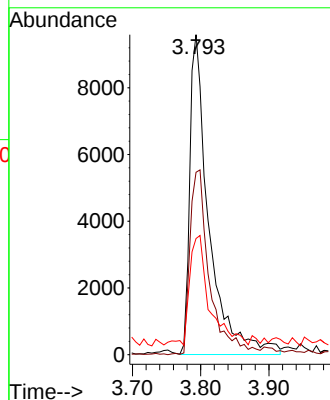
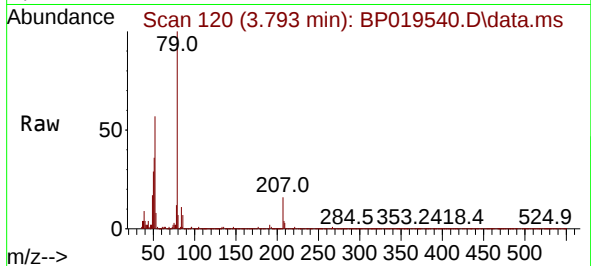
MDL-SOIL-03-QT3-2023

Tgt Ion: 79	Resp: 1868
Ion Ratio	Lower Upper
79 100	
52 57.0	45.0 67.6
51 36.3	26.8 40.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#4

n-Nitrosodimethylamine

Concen: 3.770 ng

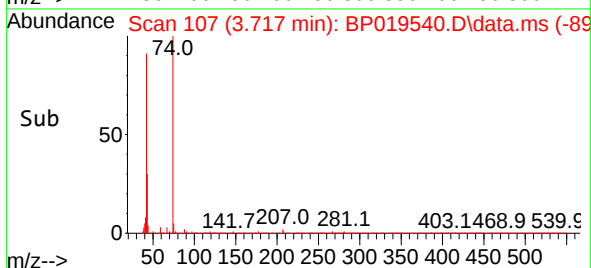
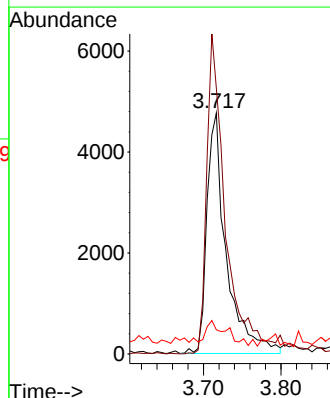
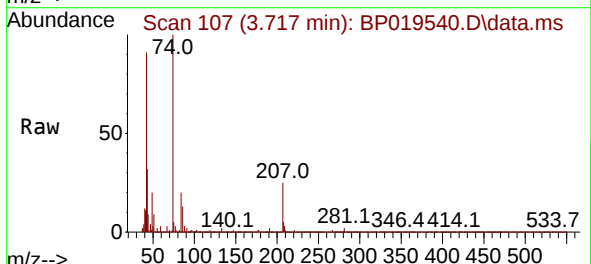
RT: 3.717 min Scan# 107

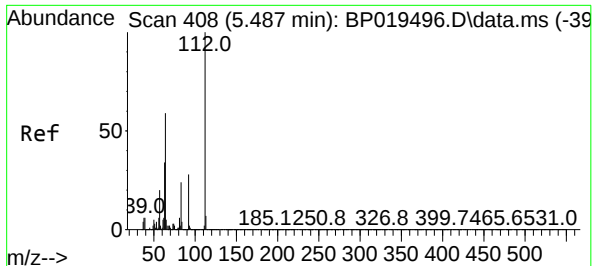
Delta R.T. 0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

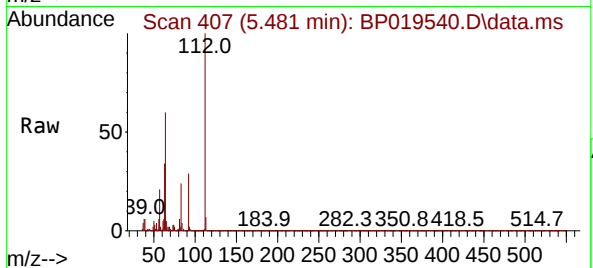
Tgt Ion: 42	Resp: 8300
Ion Ratio	Lower Upper
42 100	
74 110.1	103.4 155.2
44 10.1	4.8 7.2





#5
2-Fluorophenol
Concen: 128.653 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

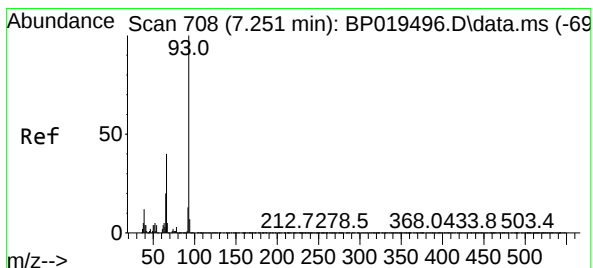
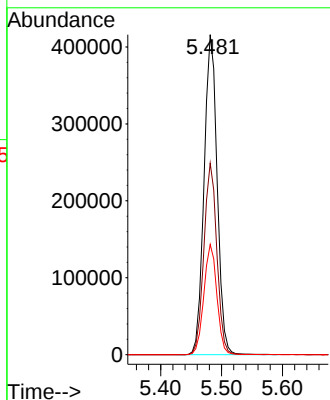
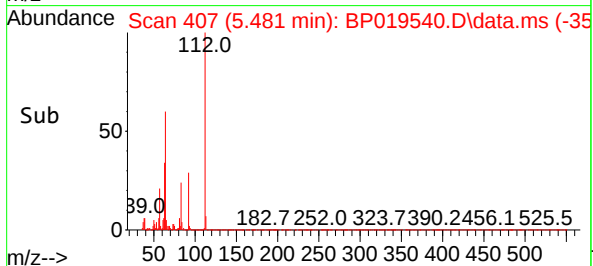
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 112 Resp: 622762
Ion Ratio Lower Upper
112 100
64 59.9 47.4 71.0
63 34.5 27.0 40.6

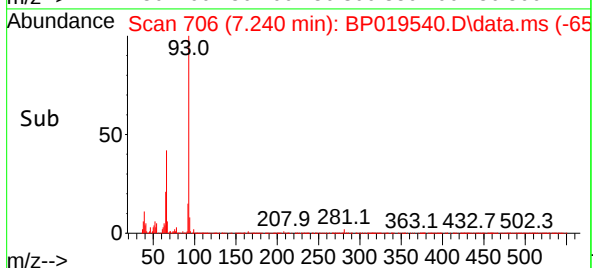
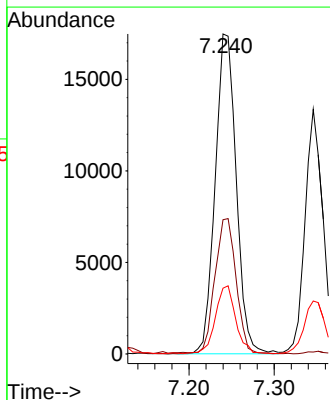
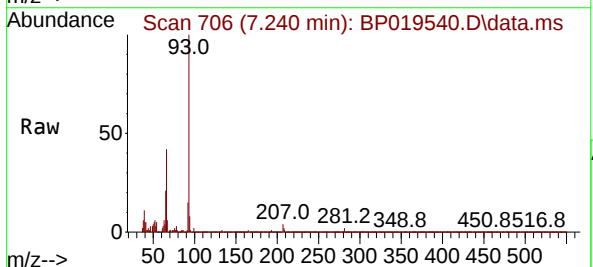
Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#6
Aniline
Concen: 4.729 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

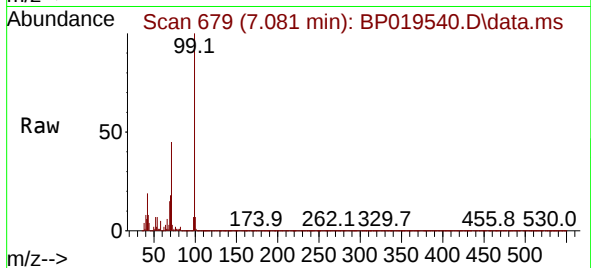
Tgt Ion: 93 Resp: 29993
Ion Ratio Lower Upper
93 100
66 42.0 32.3 48.5
65 20.5 16.4 24.6





#7
Phenol-d6
Concen: 129.766 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

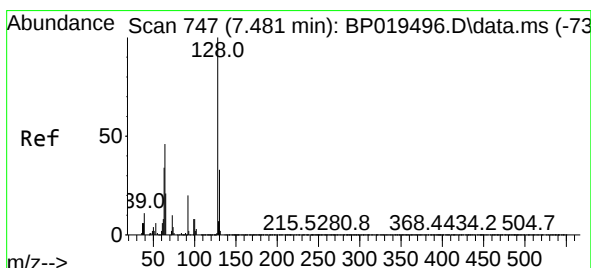
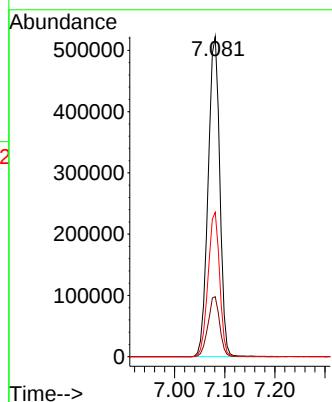
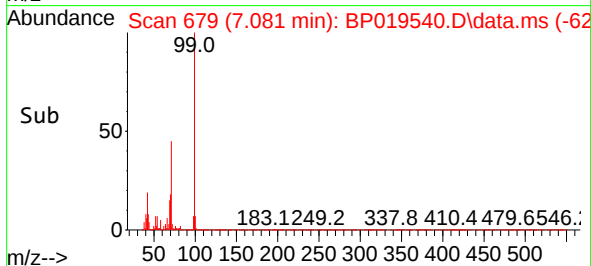
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 99 Resp: 84697
Ion Ratio Lower Upper
99 100
42 18.8 14.7 22.1
71 45.1 34.8 52.2

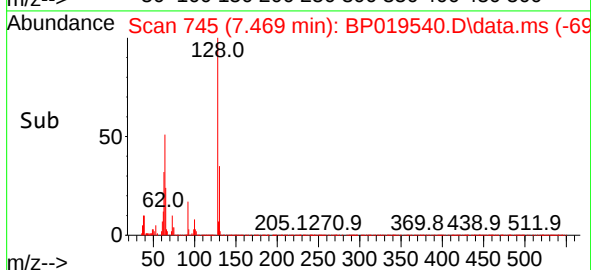
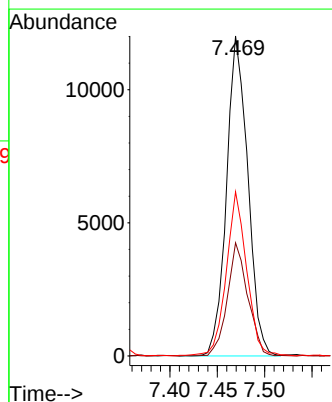
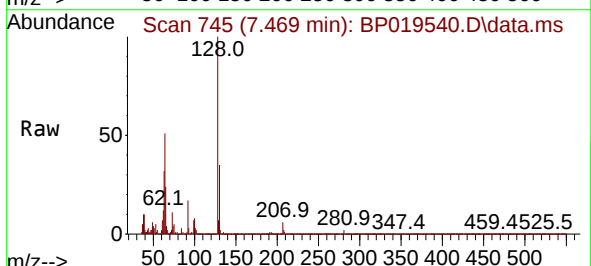
Manual Integrations
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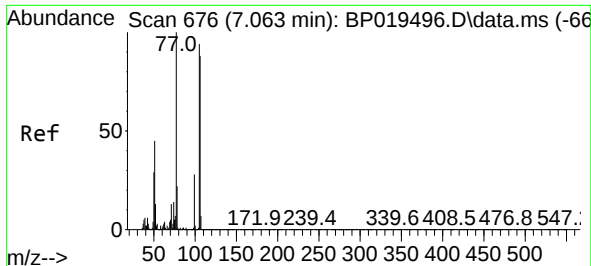
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#8
2-Chlorophenol
Concen: 3.773 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:128 Resp: 18752
Ion Ratio Lower Upper
128 100
130 35.4 13.3 53.3
64 51.3 29.7 69.7





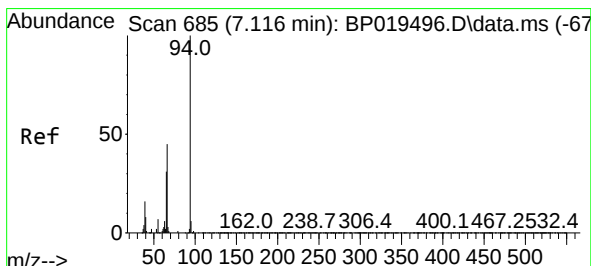
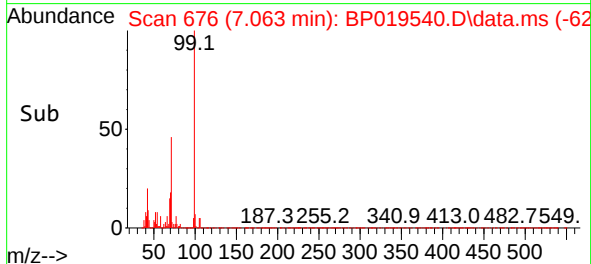
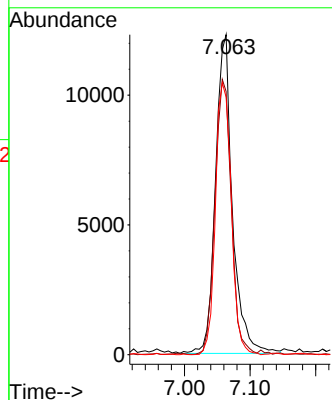
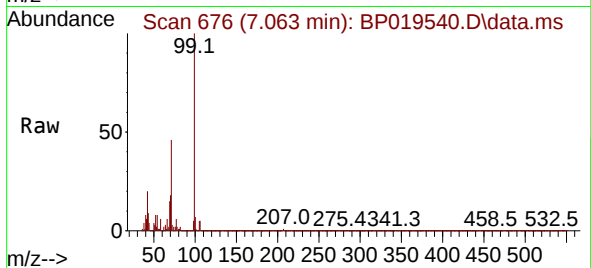
#9
Benzaldehyde
Concen: 4.815 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion: 77 Resp: 22030
Ion Ratio Lower Upper
77 100
105 82.3 74.0 114.0
106 80.4 67.8 107.8

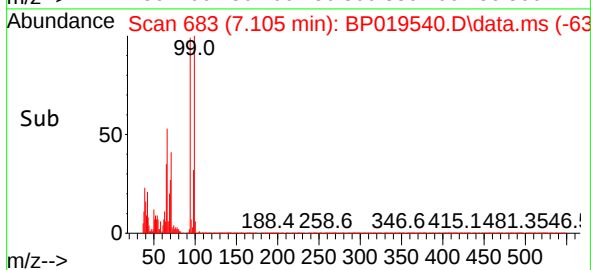
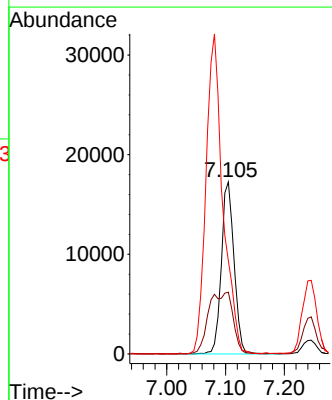
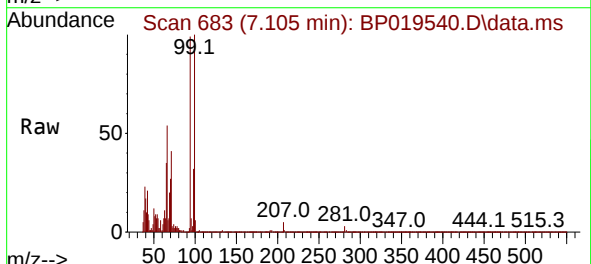
Manual Integrations
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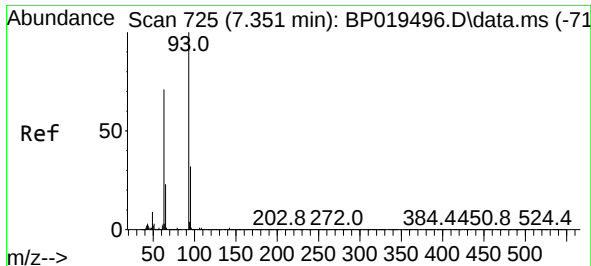
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#10
Phenol
Concen: 3.975 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

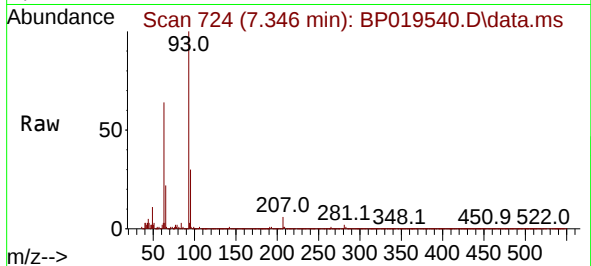
Tgt Ion: 94 Resp: 25859
Ion Ratio Lower Upper
94 100
65 35.9 11.3 51.3
66 54.2 25.1 65.1





#11
bis(2-Chloroethyl)ether
Concen: 3.897 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

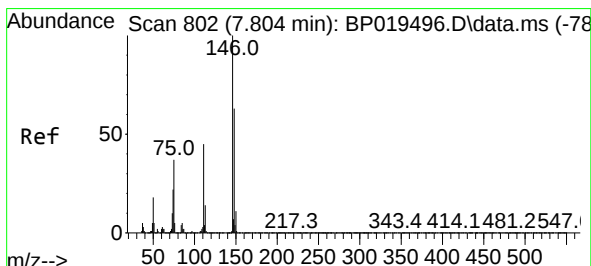
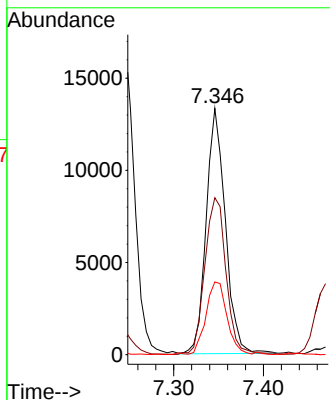
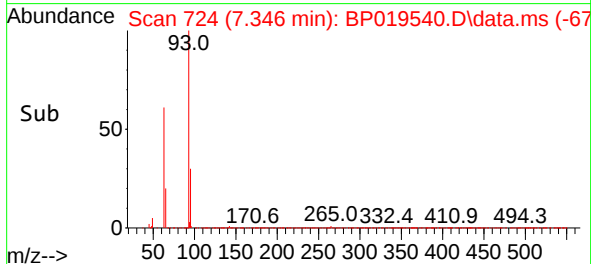
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



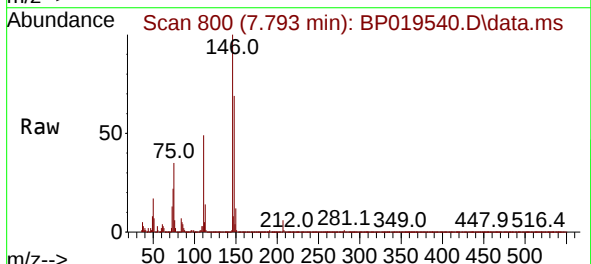
Tgt Ion: 93 Resp: 1972
Ion Ratio Lower Upper
93 100
63 63.7 51.2 91.2
95 29.5 11.8 51.8

Manual Integrations
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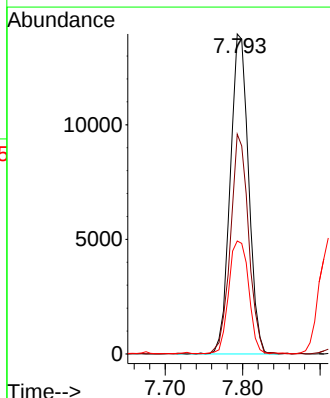
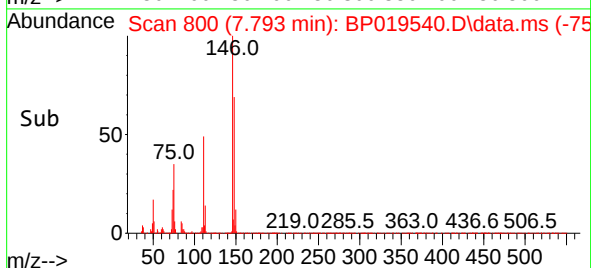
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#12
1,3-Dichlorobenzene
Concen: 3.774 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25



Tgt Ion:146 Resp: 22952
Ion Ratio Lower Upper
146 100
148 68.7 50.4 75.6
75 35.3 29.9 44.9





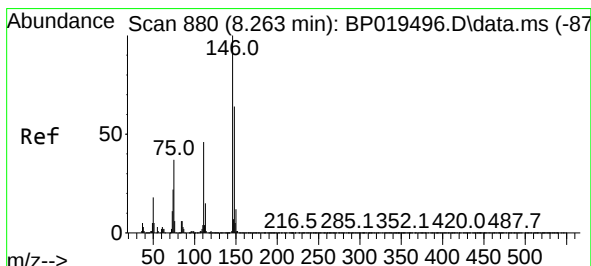
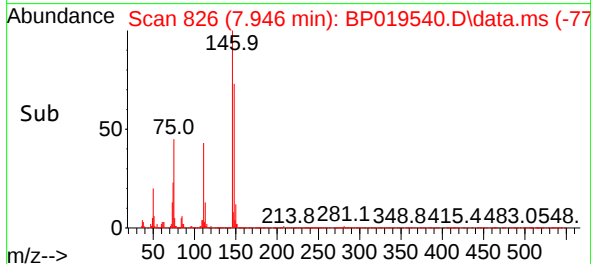
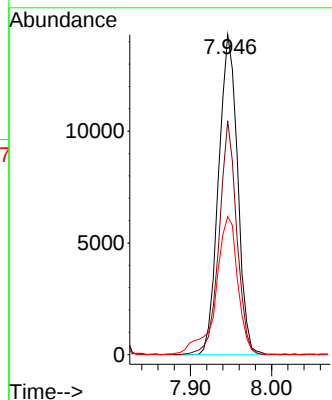
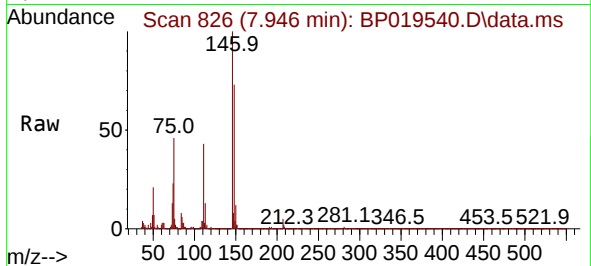
#13
1,4-Dichlorobenzene
Concen: 3.778 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:146 Resp: 2327
Ion Ratio Lower Upper
146 100
148 73.1 51.9 77.9
111 43.2 35.8 53.6

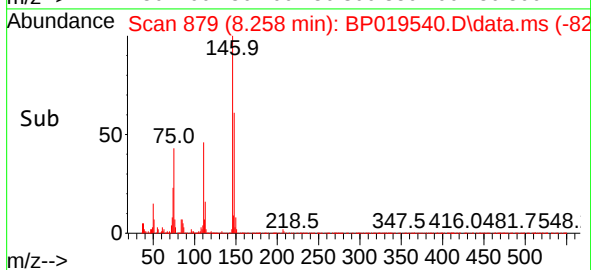
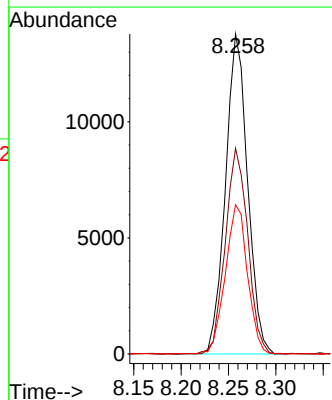
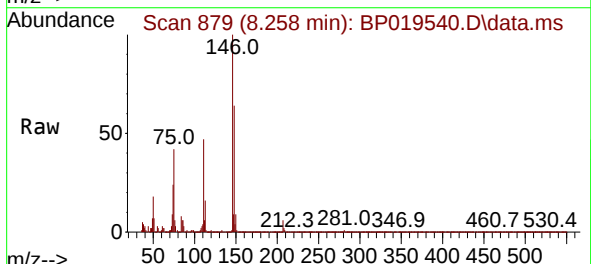
Manual Integrations
APPROVED

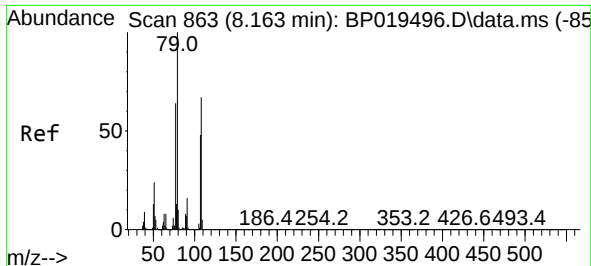
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#14
1,2-Dichlorobenzene
Concen: 3.763 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:146 Resp: 22431
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.0
111 46.6 37.0 55.6





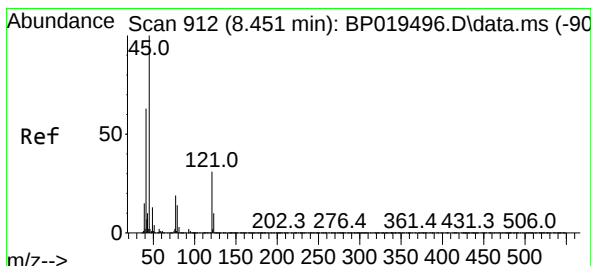
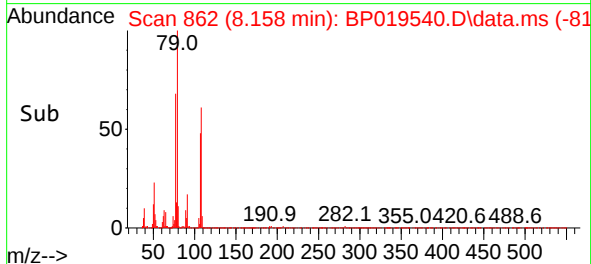
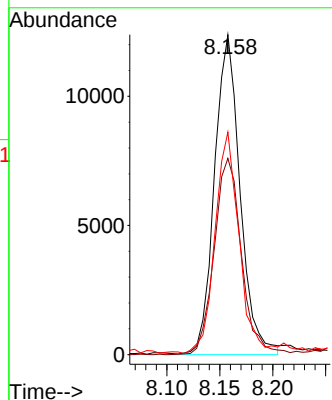
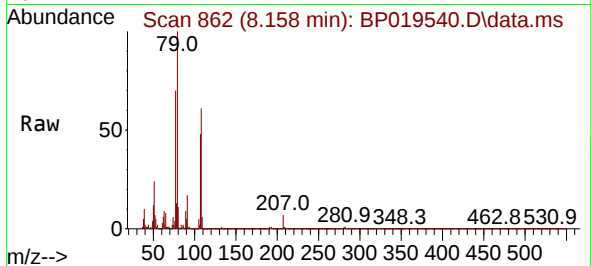
#15
Benzyl Alcohol
Concen: 3.992 ng m
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion: 79 Resp: 20818
Ion Ratio Lower Upper
79 100
108 61.4 53.8 80.6
77 69.5 51.3 76.9

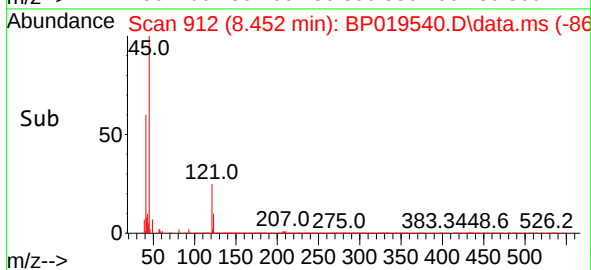
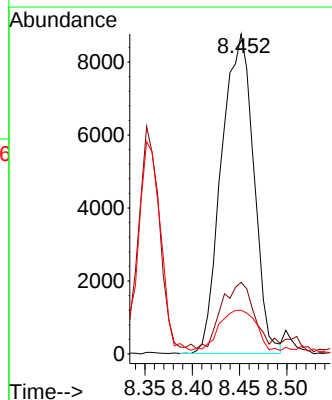
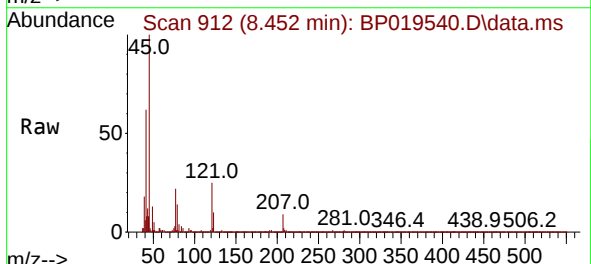
Manual Integrations
APPROVED

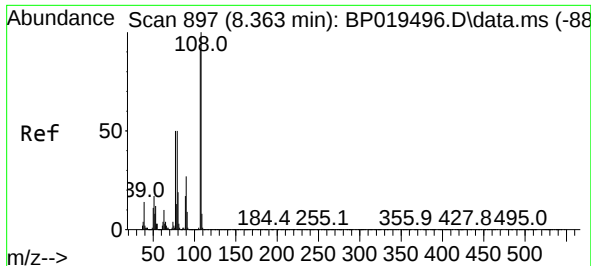
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.085 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 45 Resp: 20673
Ion Ratio Lower Upper
45 100
77 22.4 0.8 40.8
79 13.6 0.0 35.5





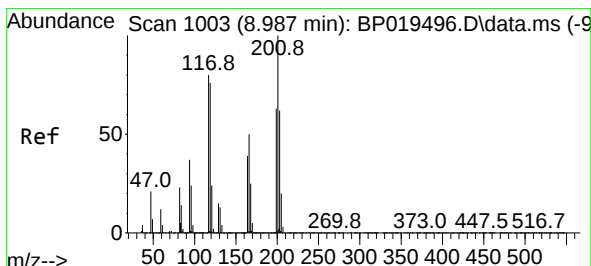
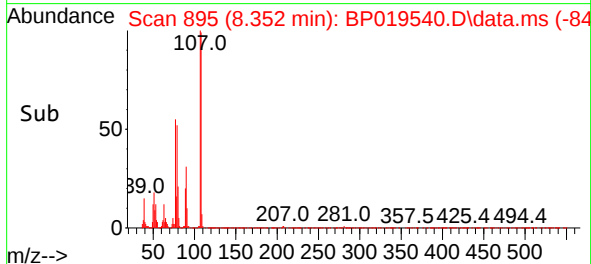
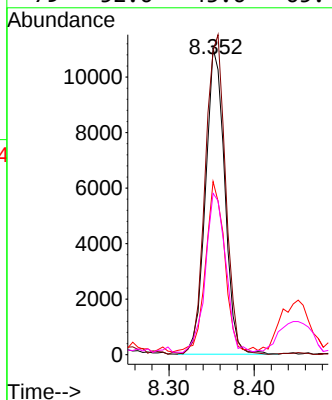
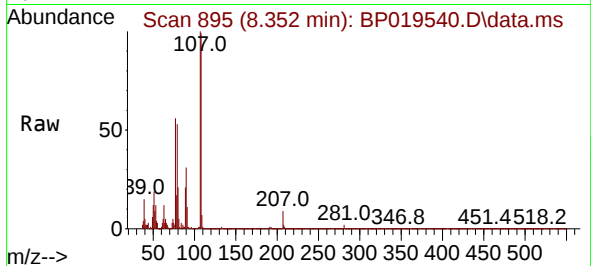
#17
2-Methylphenol
Concen: 3.964 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:	107	Resp:	1736
Ion Ratio	Lower	Upper	
107	100		
108	99.0	87.0	130.6
77	56.5	43.5	65.3
79	52.6	43.6	65.4

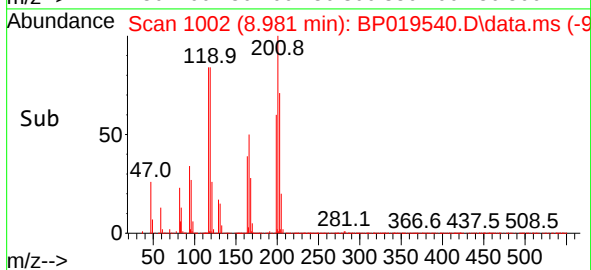
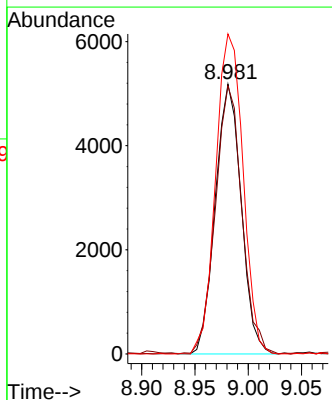
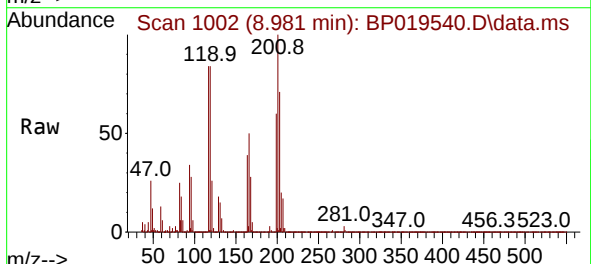
Manual Integrations
APPROVED

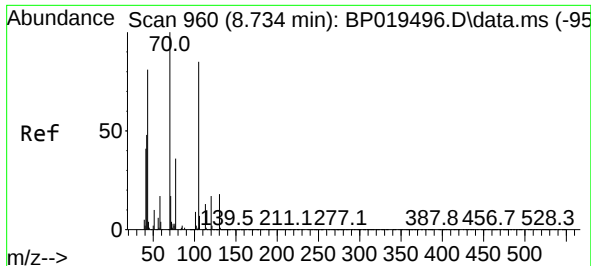
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#18
Hexachloroethane
Concen: 3.668 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

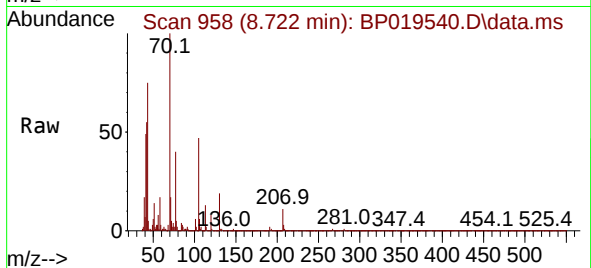
Tgt Ion:	117	Resp:	8760
Ion Ratio	Lower	Upper	
117	100		
119	99.3	75.5	113.3
201	118.6	99.4	149.2





#19
n-Nitroso-di-n-propylamine
Concen: 4.145 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

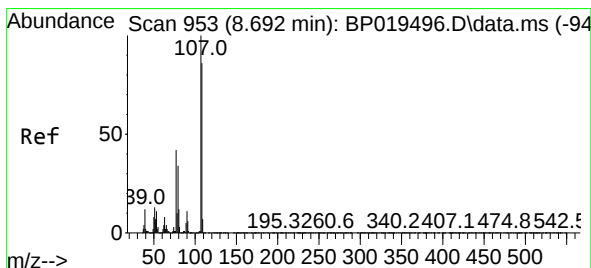
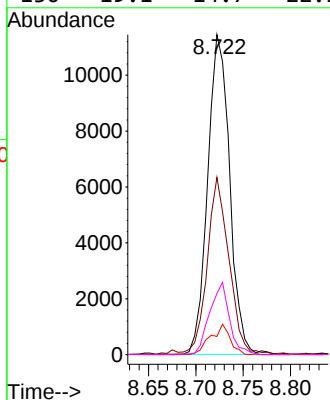
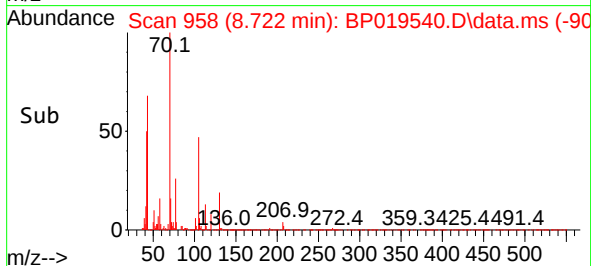
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



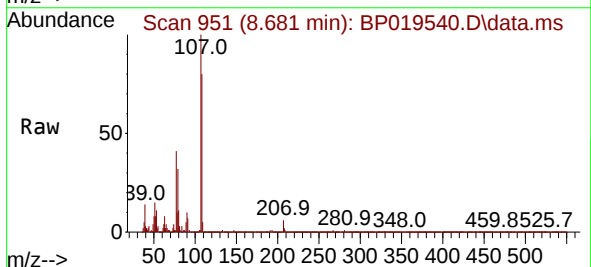
Tgt Ion: 70 Resp: 18480
Ion Ratio Lower Upper
70 100
42 55.4 39.2 58.8
101 5.7 7.3 10.9
130 19.1 14.7 22.1

Manual Integrations
APPROVED

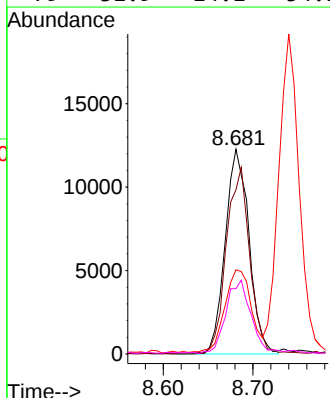
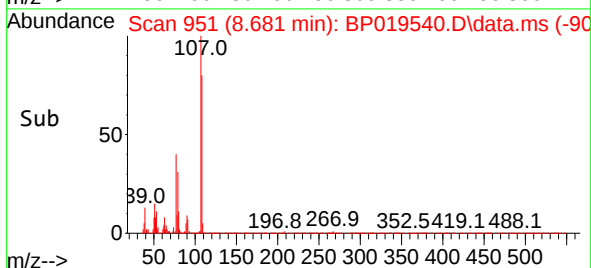
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

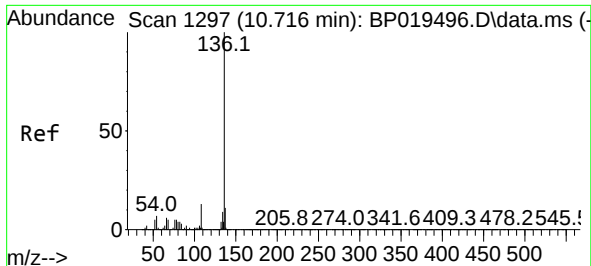


#20
3+4-Methylphenols
Concen: 3.790 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25



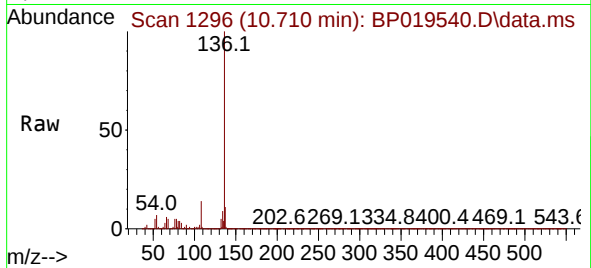
Tgt Ion:107 Resp: 22655
Ion Ratio Lower Upper
107 100
108 80.2 65.5 105.5
77 41.1 21.8 61.8
79 31.9 14.1 54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

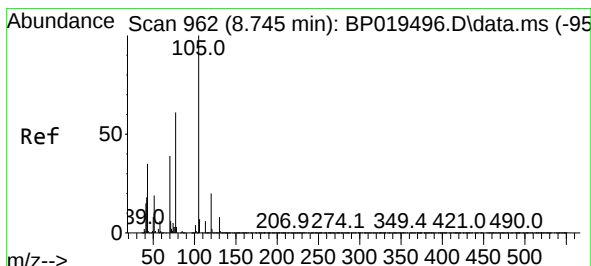
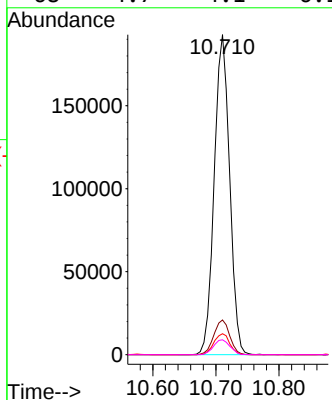
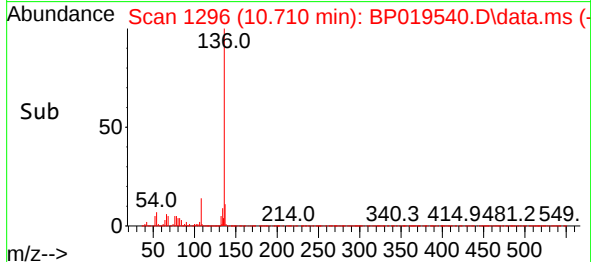
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:	136	Resp:	32595
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	6.5	5.3	7.9
68	4.7	4.1	6.1

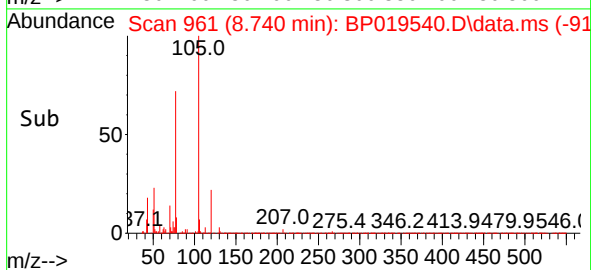
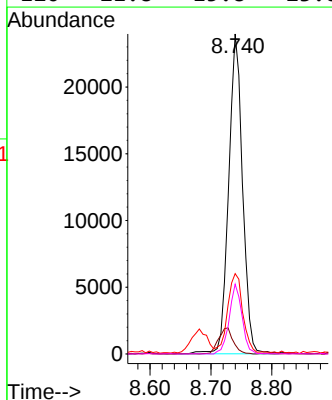
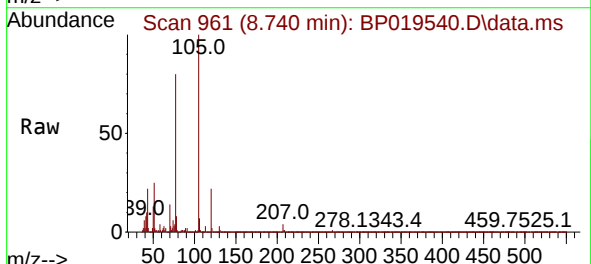
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#22
Acetophenone
Concen: 4.106 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:	105	Resp:	38132
Ion Ratio	Lower	Upper	
105	100		
71	2.9	4.9	7.3
51	25.1	20.7	31.1
120	21.8	15.8	23.8





#23

Nitrobenzene-d5

Concen: 77.170 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

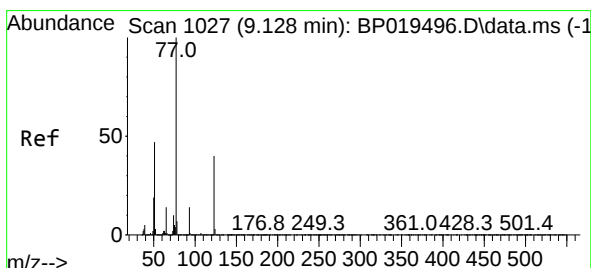
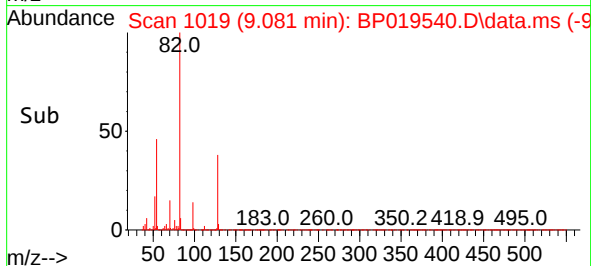
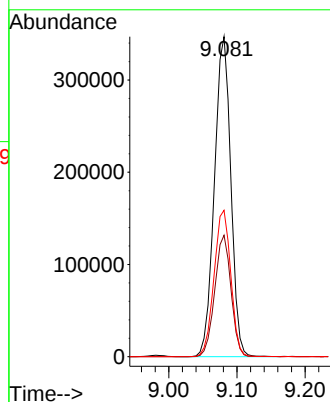
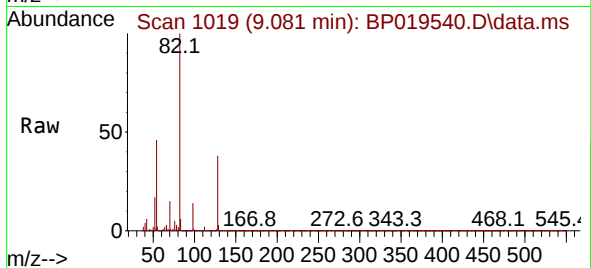
MDL-SOIL-03-QT3-2023

Tgt Ion:	82	Resp:	580498
Ion Ratio	Lower	Upper	
82	100		
128	38.0	29.7	44.5
54	45.8	36.8	55.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#24

Nitrobenzene

Concen: 3.762 ng m

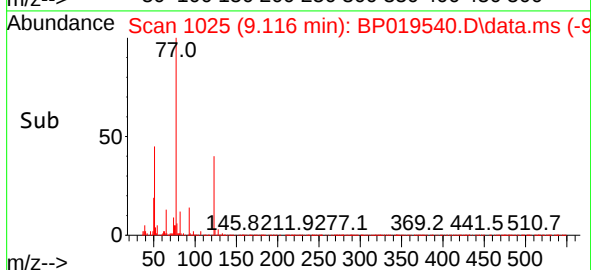
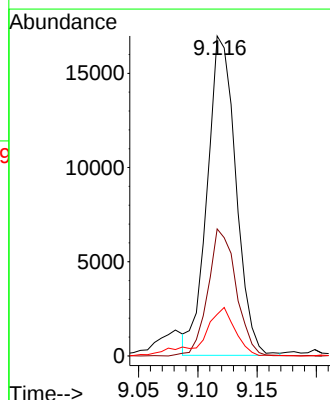
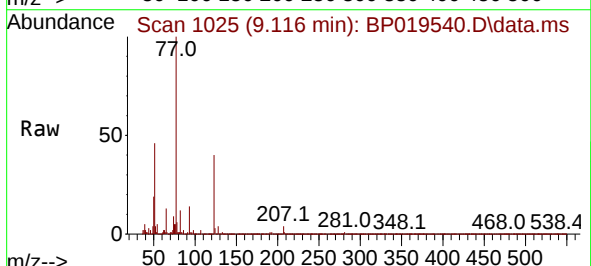
RT: 9.116 min Scan# 1025

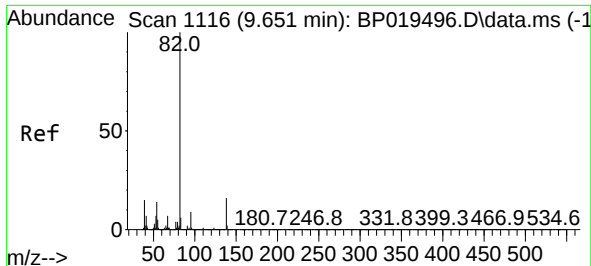
Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:	77	Resp:	28491
Ion Ratio	Lower	Upper	
77	100		
123	39.7	32.3	48.5
65	13.0	11.6	17.4





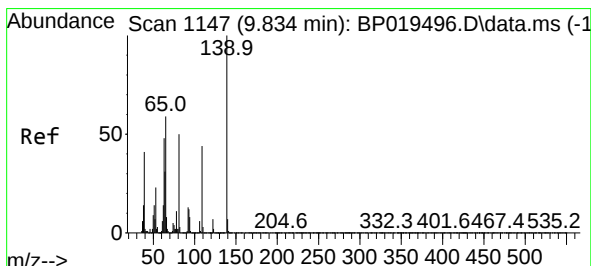
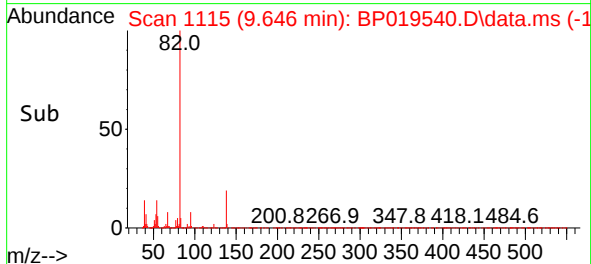
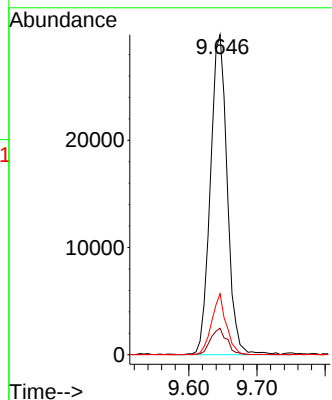
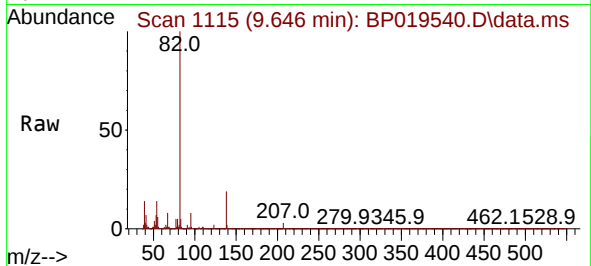
#25
Isophorone
Concen: 3.917 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023

Tgt Ion: 82	Resp: 5131
Ion Ratio	Lower Upper
82 100	
95 8.3	7.0 10.4
138 19.1	13.1 19.7

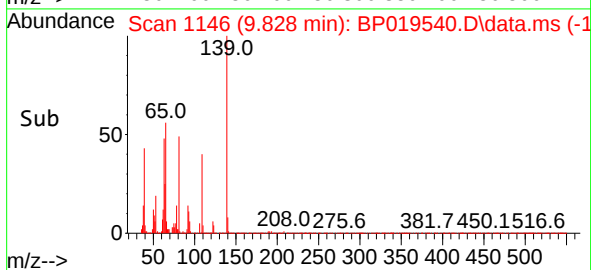
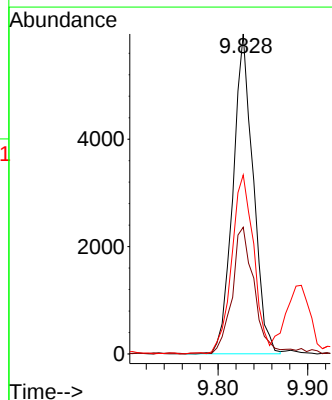
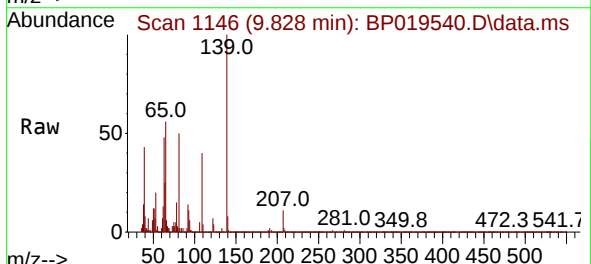
Manual Integrations
APPROVED

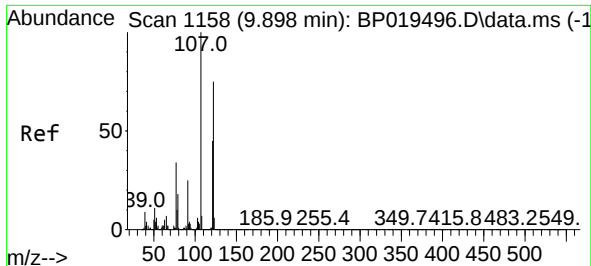
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#26
2-Nitrophenol
Concen: 3.234 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

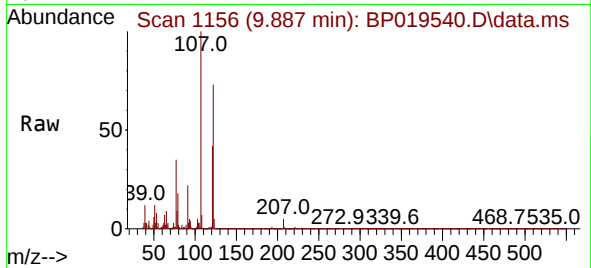
Tgt Ion:139	Resp: 9340
Ion Ratio	Lower Upper
139 100	
109 39.6	34.9 52.3
65 56.0	47.5 71.3





#27
2,4-Dimethylphenol
Concen: 4.390 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

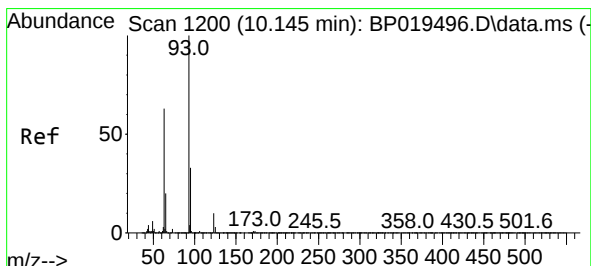
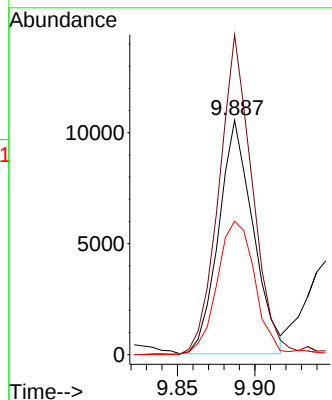
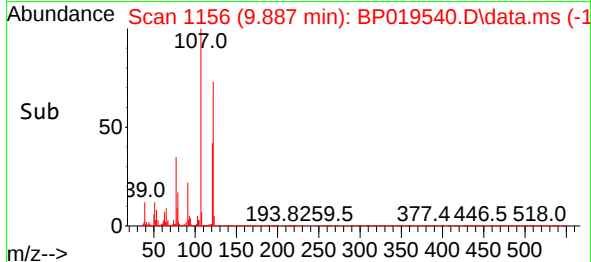
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



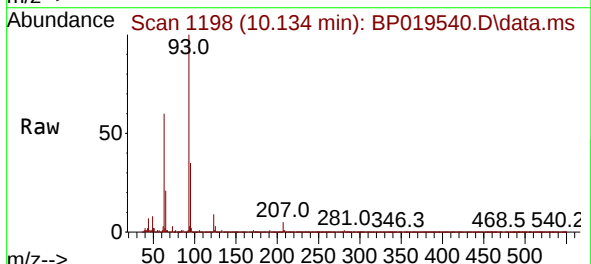
Tgt Ion:122 Resp: 1621
Ion Ratio Lower Upper
122 100
107 136.5 105.9 158.9
121 57.0 47.5 71.3

Manual Integrations
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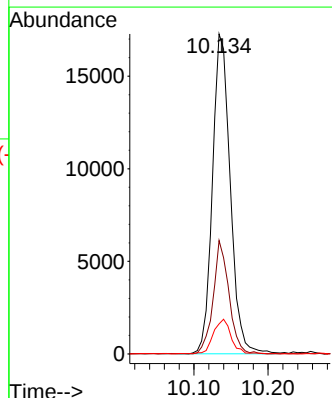
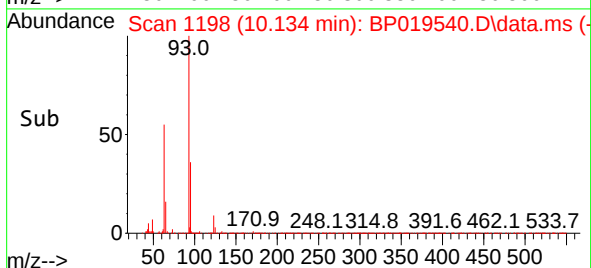
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

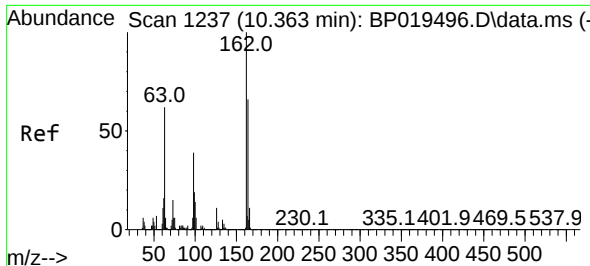


#28
bis(2-Chloroethoxy)methane
Concen: 3.883 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25



Tgt Ion: 93 Resp: 28785
Ion Ratio Lower Upper
93 100
95 35.4 26.2 39.4
123 9.4 8.5 12.7





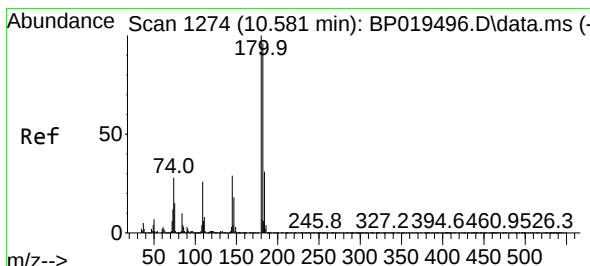
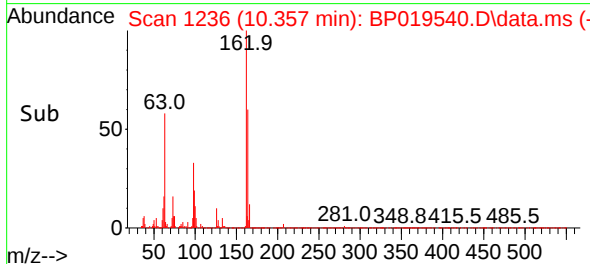
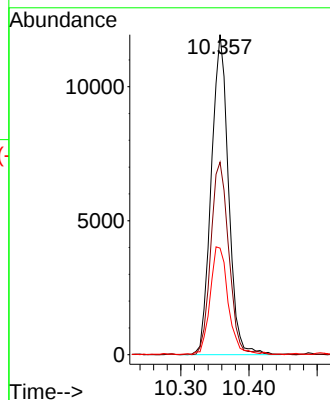
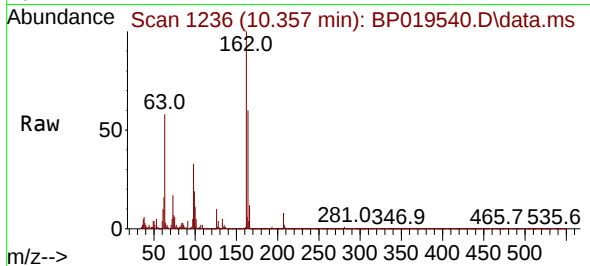
#29
2,4-Dichlorophenol
Concen: 3.754 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:	162	Resp:	2095
Ion Ratio	Lower	Upper	
162	100		
164	60.1	46.0	86.0
98	33.3	18.7	58.7

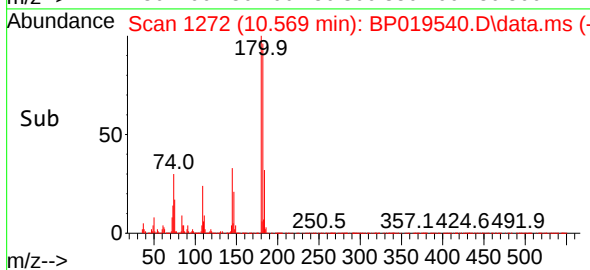
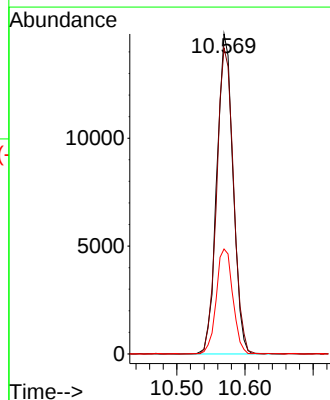
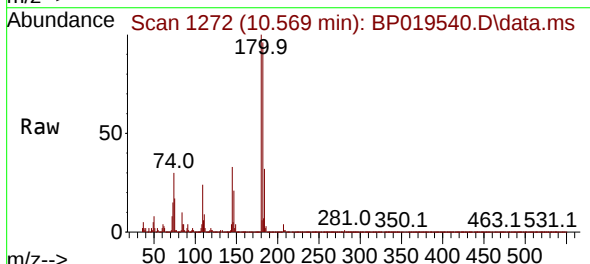
Manual Integrations
APPROVED

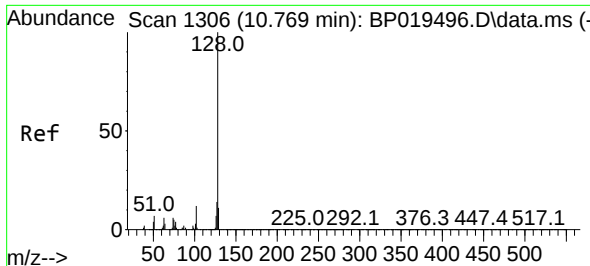
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.594 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:	180	Resp:	24601
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.0	115.6
145	32.8	23.2	34.8





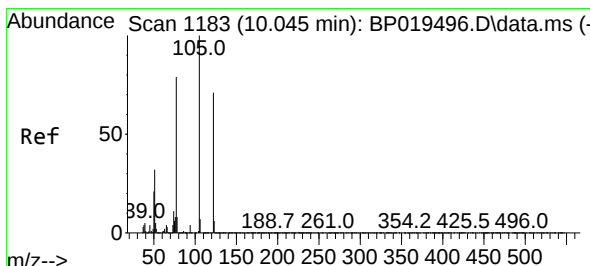
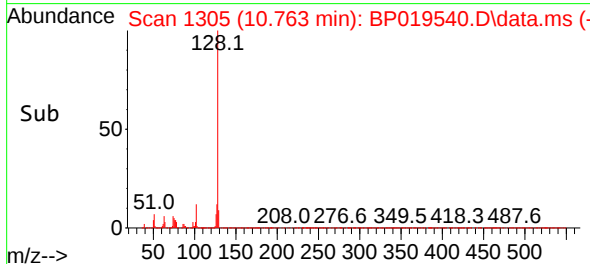
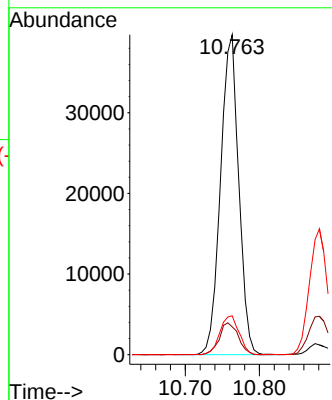
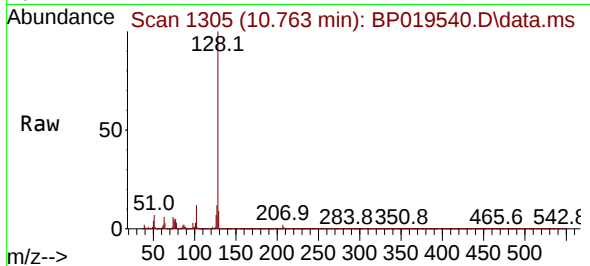
#31
Naphthalene
Concen: 3.777 ng
RT: 10.763 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:128 Resp: 67514
Ion Ratio Lower Upper
128 100
129 8.7 8.6 13.0
127 12.1 10.8 16.2

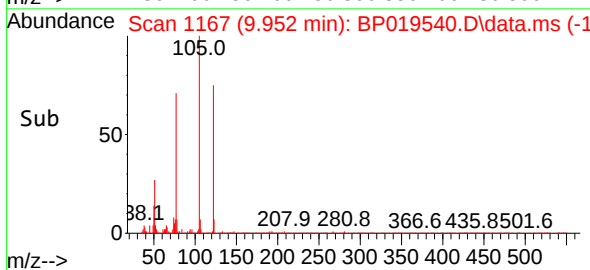
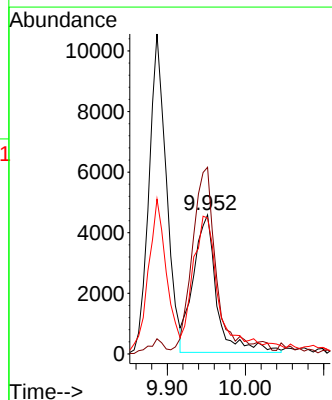
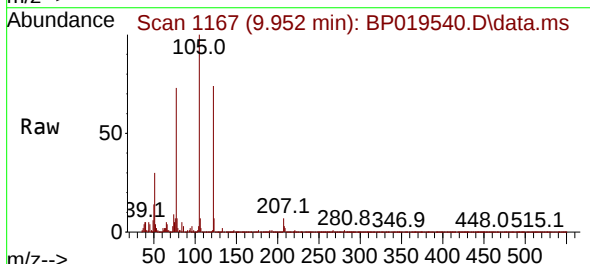
Manual Integrations
APPROVED

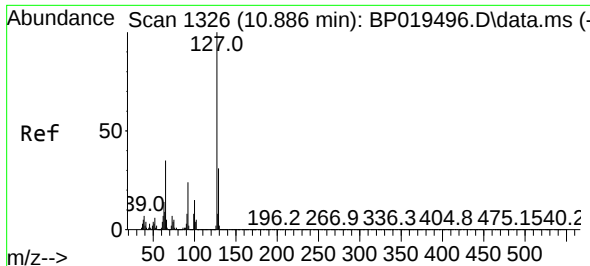
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#32
Benzoic acid
Concen: 2.613 ng m
RT: 9.952 min Scan# 1167
Delta R.T. -0.094 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:122 Resp: 9402
Ion Ratio Lower Upper
122 100
105 134.3 118.8 158.8
77 97.8 91.7 131.7





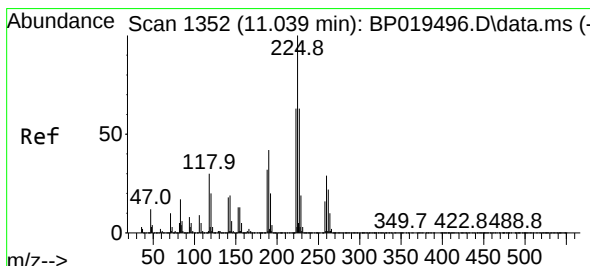
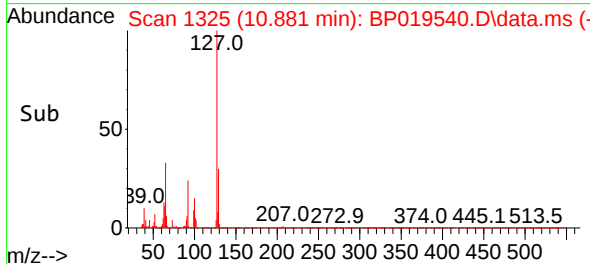
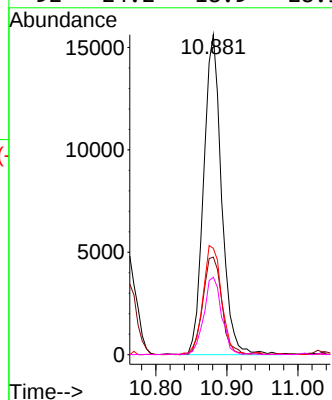
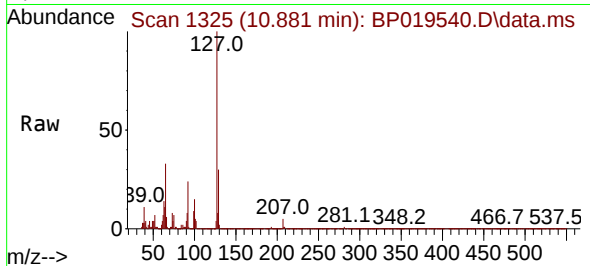
#33
4-Chloroaniline
Concen: 4.160 ng
RT: 10.881 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.5	24.6	36.8
65	33.3	28.2	42.4
92	24.2	18.9	28.3

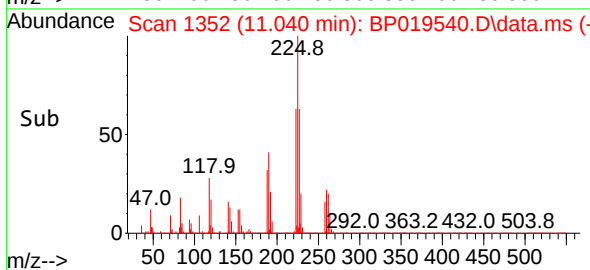
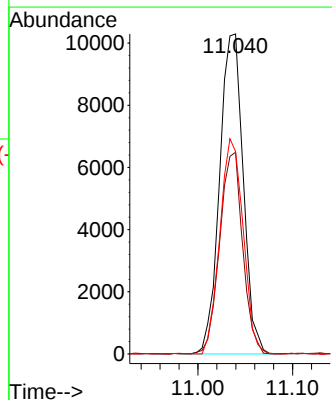
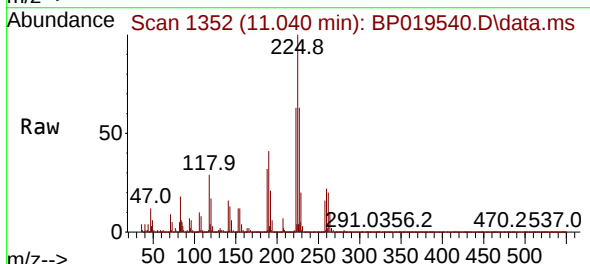
Manual Integrations
APPROVED

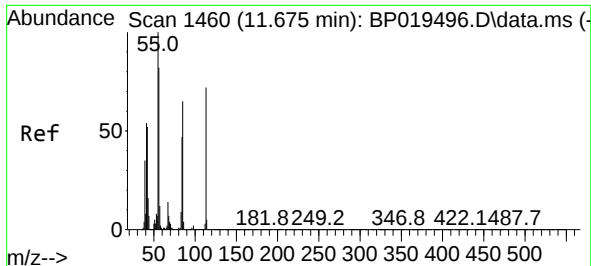
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#34
Hexachlorobutadiene
Concen: 3.515 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

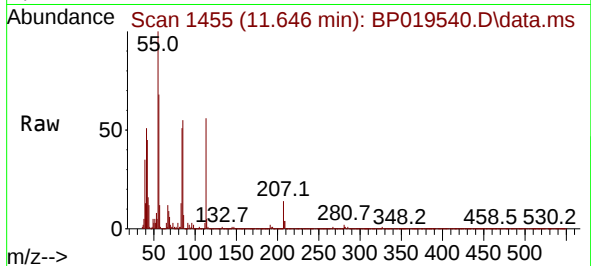
Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	50.5	75.7
227	63.3	50.2	75.2





#35
Caprolactam
Concen: 3.656 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

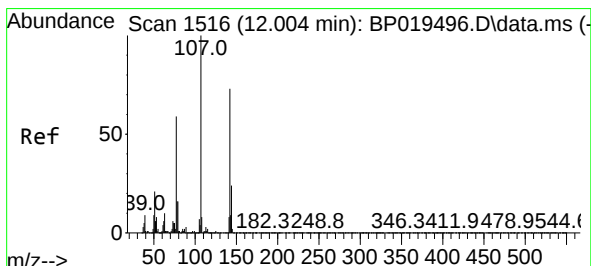
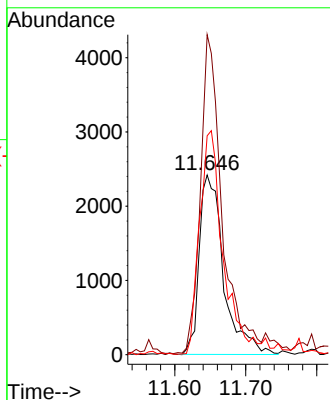
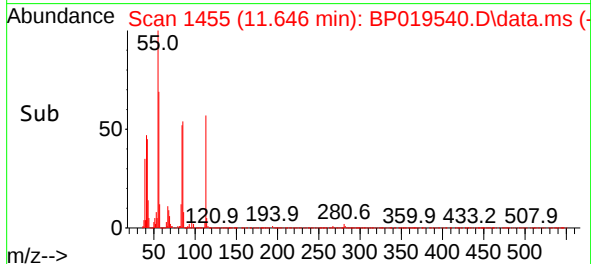
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023



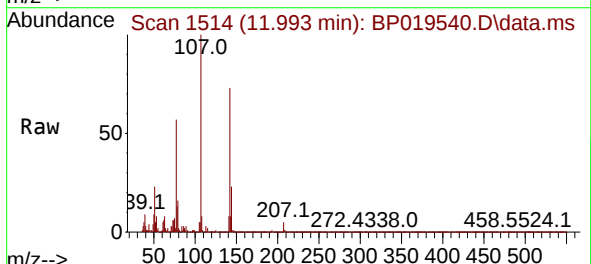
Tgt Ion:113 Resp: 5778
Ion Ratio Lower Upper
113 100
55 178.0 120.0 160.0
56 121.8 94.0 134.0

Manual Integrations
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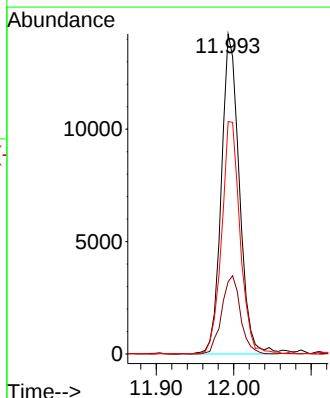
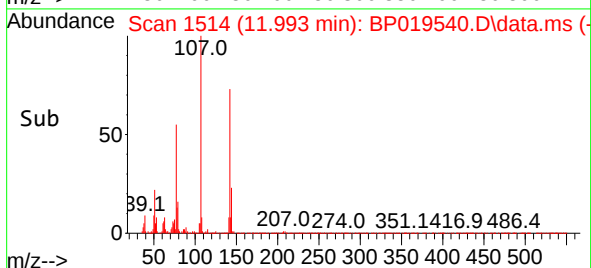
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

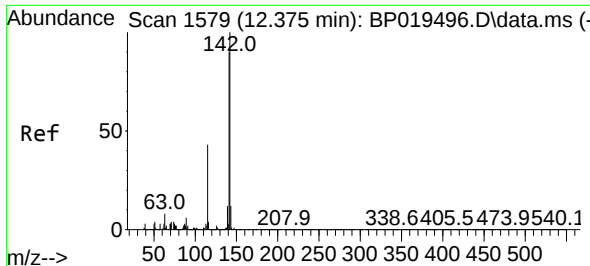


#36
4-Chloro-3-methylphenol
Concen: 3.772 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25



Tgt Ion:107 Resp: 22956
Ion Ratio Lower Upper
107 100
144 22.5 19.0 28.4
142 72.6 58.6 88.0





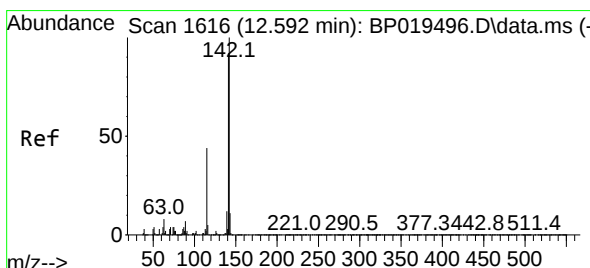
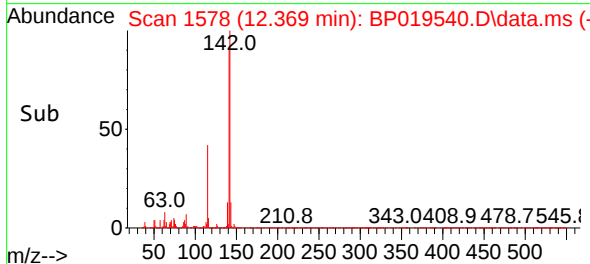
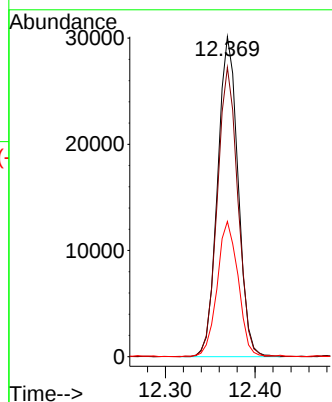
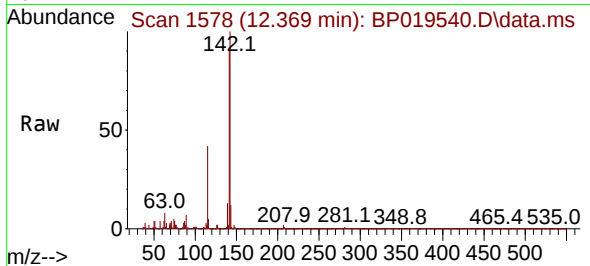
#37
2-Methylnaphthalene
Concen: 3.853 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:142 Resp: 47664
Ion Ratio Lower Upper
142 100
141 90.4 72.2 108.4
115 42.3 34.2 51.2

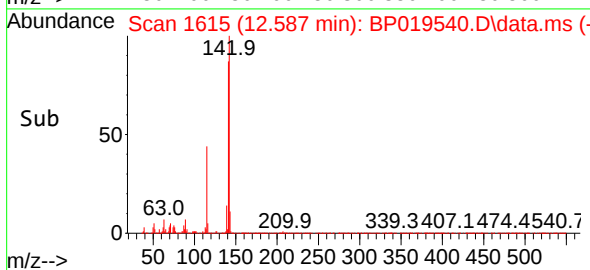
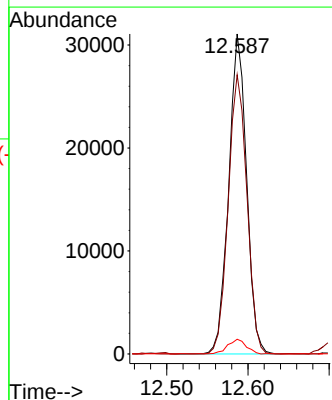
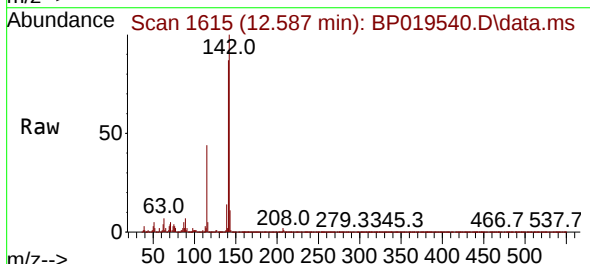
Manual Integrations
APPROVED

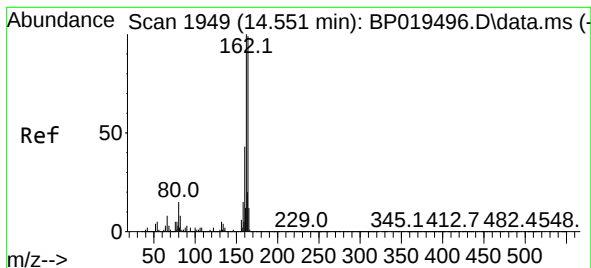
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#38
1-Methylnaphthalene
Concen: 3.906 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:142 Resp: 47489
Ion Ratio Lower Upper
142 100
141 87.2 74.0 111.0
116 4.6 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1949

Delta R.T. -0.011 min

Lab File: BP019540.D

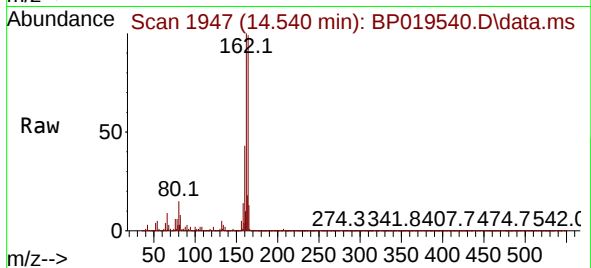
Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:164 Resp: 23753

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

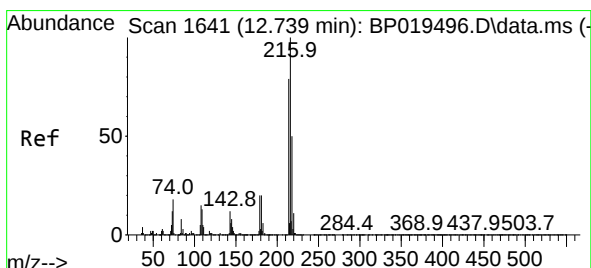
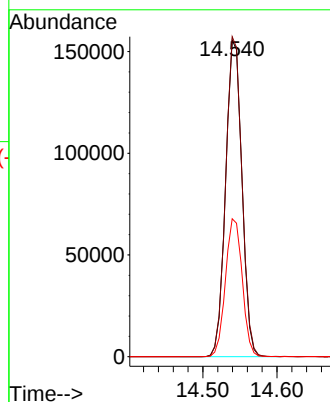
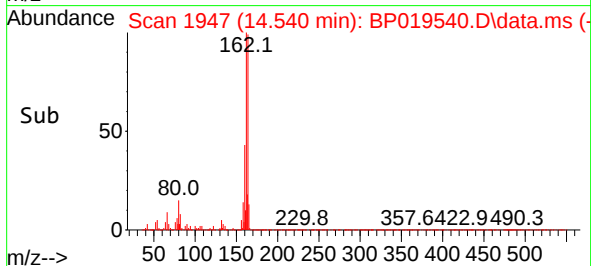
160 43.6 35.1 52.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.547 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:216 Resp: 32491

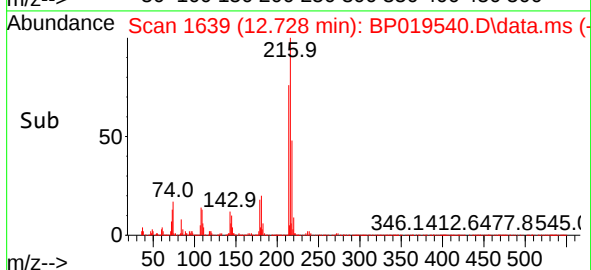
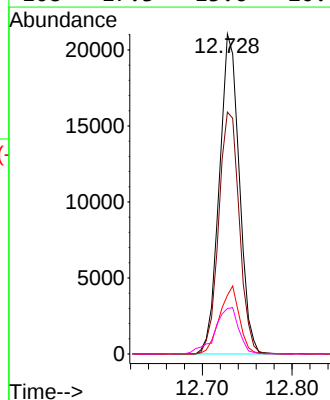
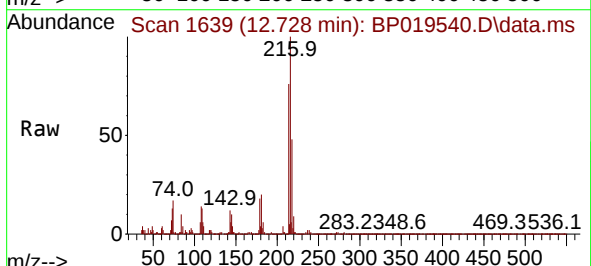
Ion Ratio Lower Upper

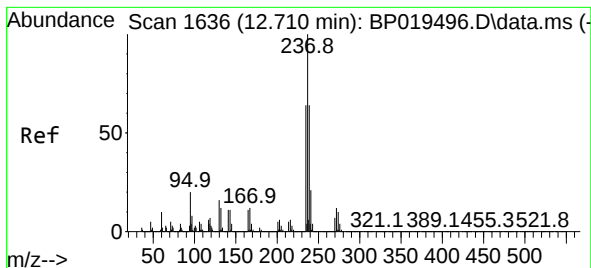
216 100

214 78.3 62.8 94.2

179 20.9 16.6 24.8

108 17.3 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 4.135 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

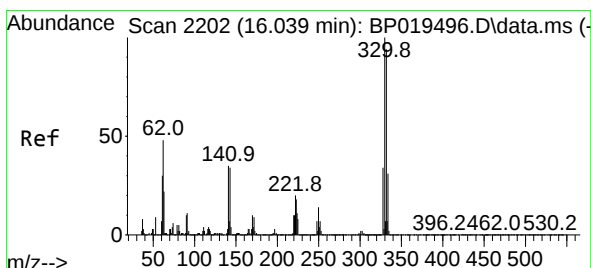
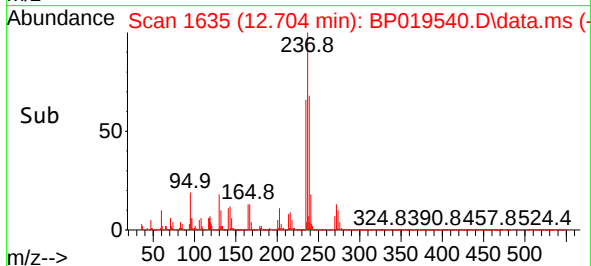
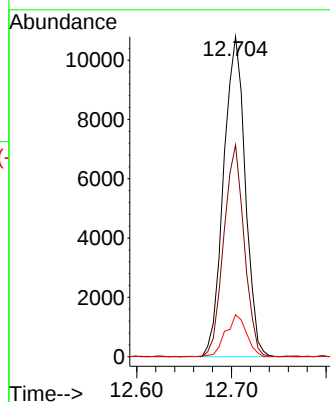
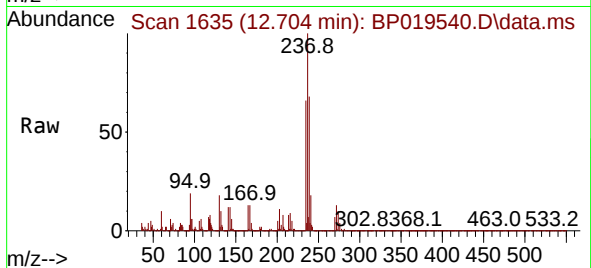
MDL-SOIL-03-QT3-2023

Tgt Ion:237	Resp:	1711
Ion Ratio	Lower	Upper
237	100	
235	66.2	43.7 83.7
272	13.1	0.0 32.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#42

2,4,6-Tribromophenol

Concen: 143.627 ng

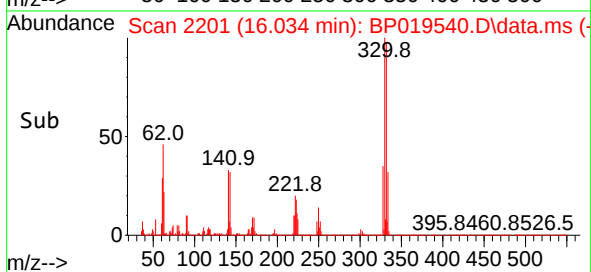
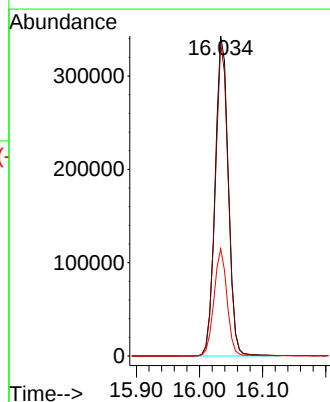
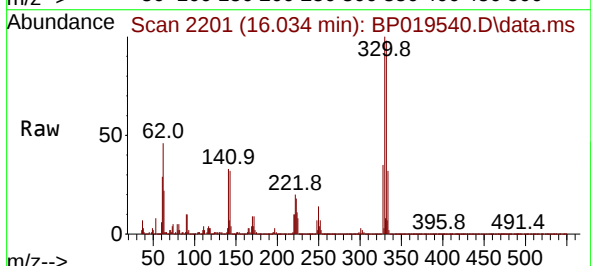
RT: 16.034 min Scan# 2201

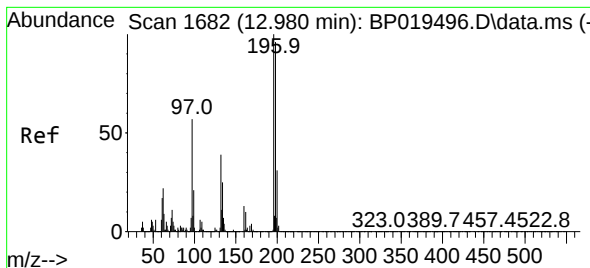
Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

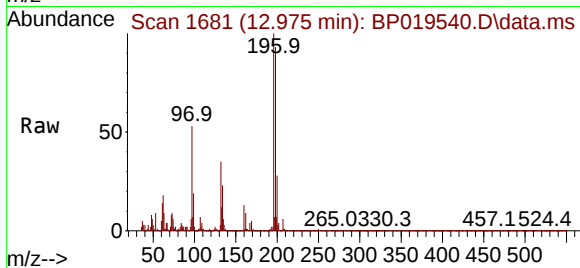
Tgt Ion:330	Resp:	498123
Ion Ratio	Lower	Upper
330	100	
332	96.9	77.2 115.8
141	33.1	27.0 40.4





#43
2,4,6-Trichlorophenol
Concen: 3.340 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

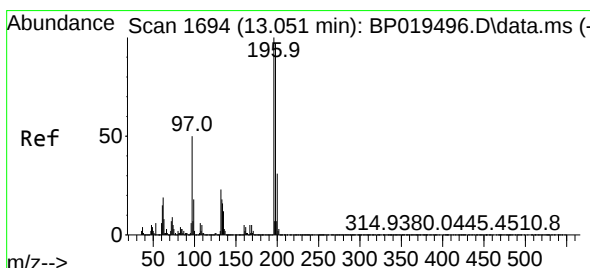
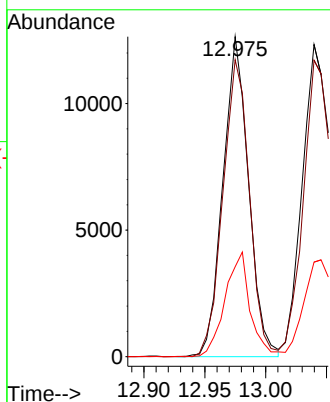
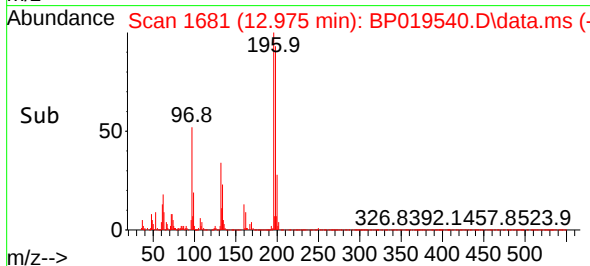
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023



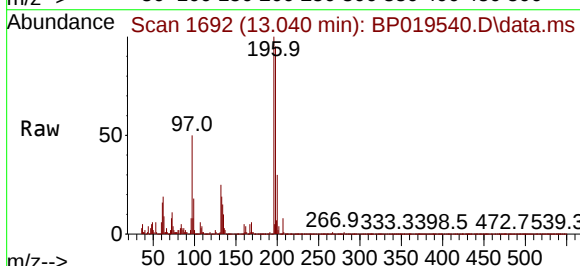
Tgt Ion:196 Resp: 1852
Ion Ratio Lower Upper
196 100
198 92.8 76.7 115.1
200 28.1 24.6 36.8

Manual Integrations
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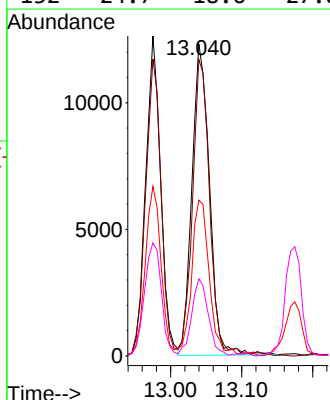
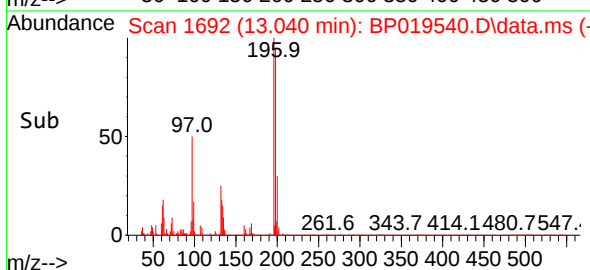
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

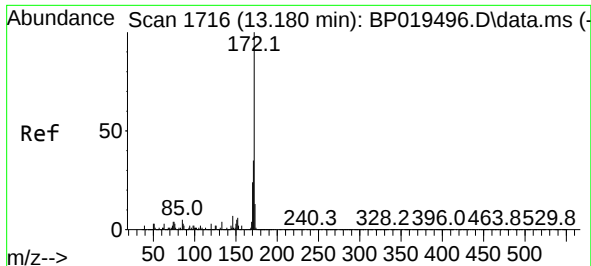


#44
2,4,5-Trichlorophenol
Concen: 3.473 ng
RT: 13.040 min Scan# 1692
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25



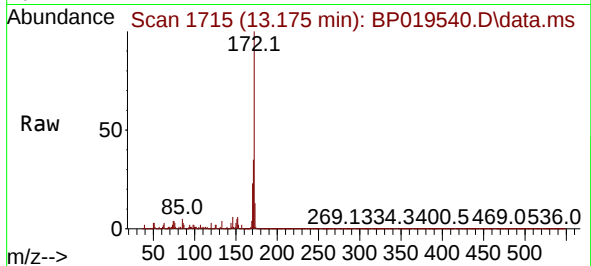
Tgt Ion:196 Resp: 21153
Ion Ratio Lower Upper
196 100
198 95.0 77.5 116.3
97 49.9 39.9 59.9
132 24.7 18.6 27.8





#45
2-Fluorobiphenyl
Concen: 74.873 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

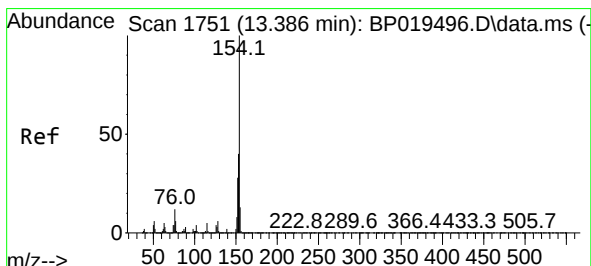
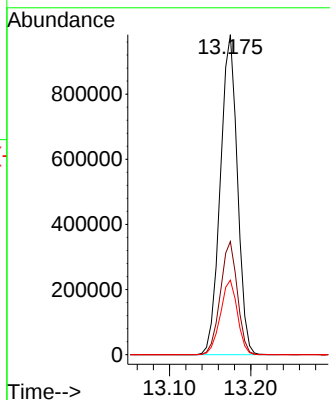
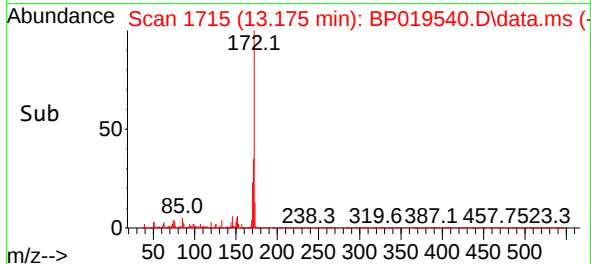
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



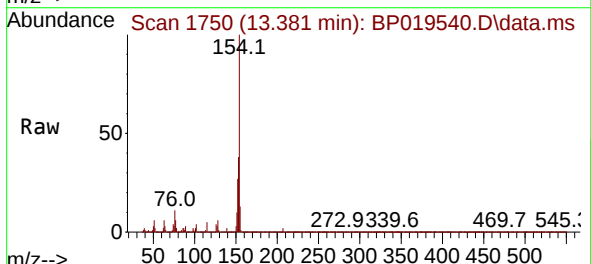
Tgt Ion:172 Resp: 143864
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.3 18.9 28.3

Manual Integrations
APPROVED

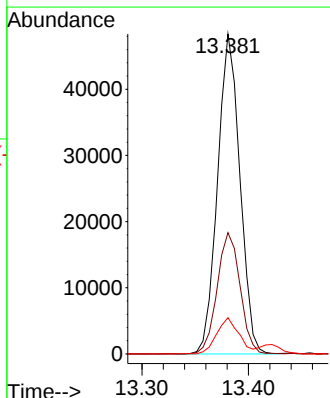
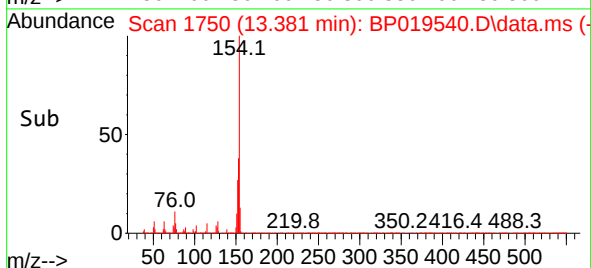
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

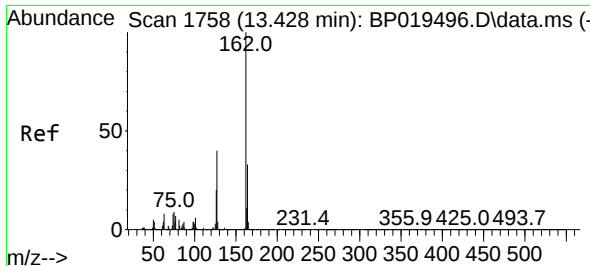


#46
1,1'-Biphenyl
Concen: 3.709 ng
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25



Tgt Ion:154 Resp: 70321
Ion Ratio Lower Upper
154 100
153 37.9 20.2 60.2
76 11.3 0.0 31.6





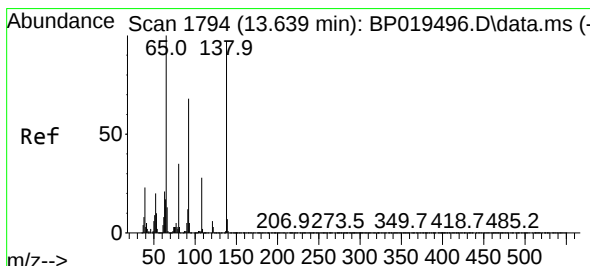
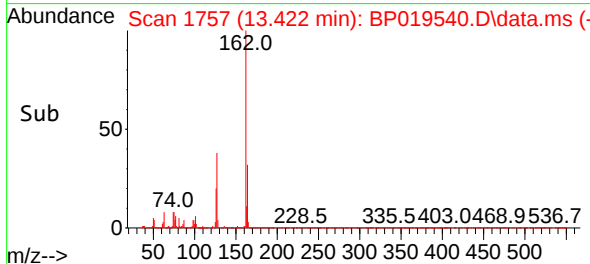
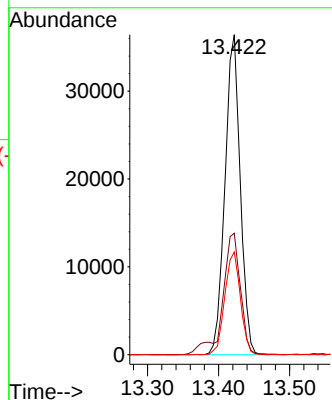
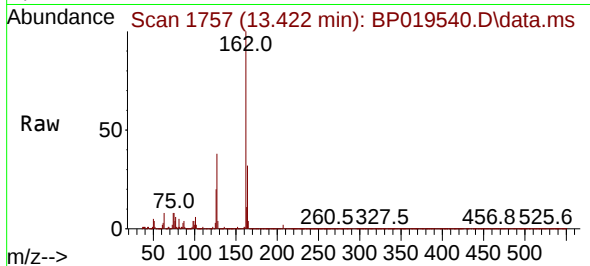
#47
2-Chloronaphthalene
Concen: 3.491 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023

Tgt Ion:162 Resp: 54324
Ion Ratio Lower Upper
162 100
127 38.0 32.1 48.1
164 32.1 26.7 40.1

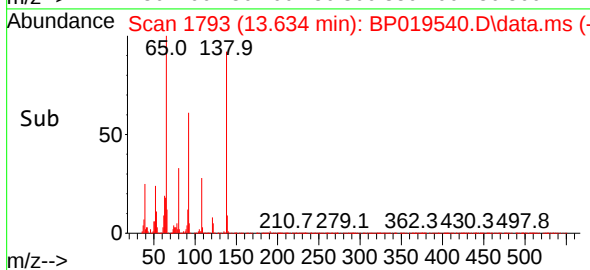
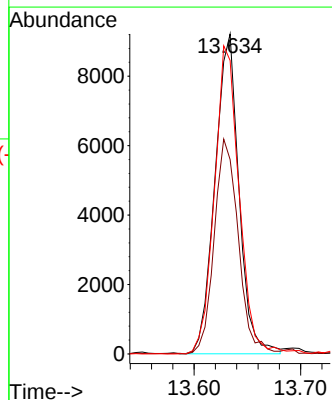
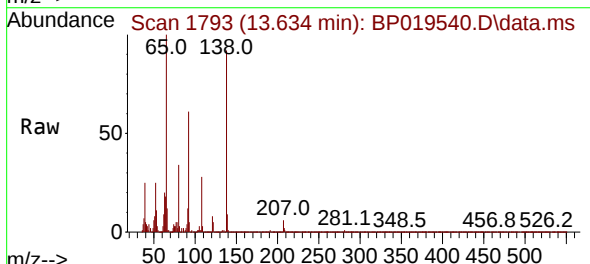
Manual Integrations
APPROVED

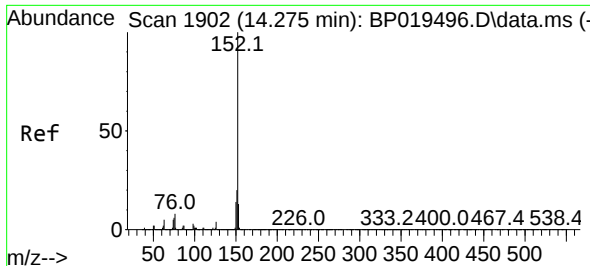
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#48
2-Nitroaniline
Concen: 3.307 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

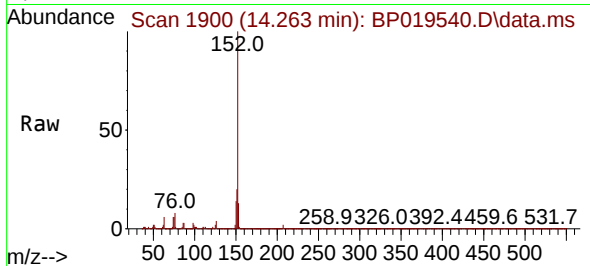
Tgt Ion: 65 Resp: 14393
Ion Ratio Lower Upper
65 100
92 60.7 54.7 82.1
138 91.7 77.8 116.6





#49
Acenaphthylene
Concen: 3.932 ng
RT: 14.263 min Scan# 1902
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

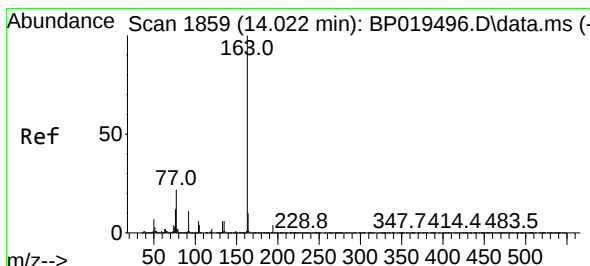
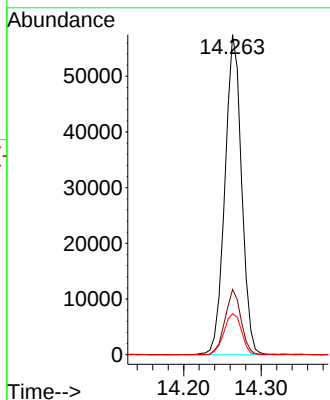
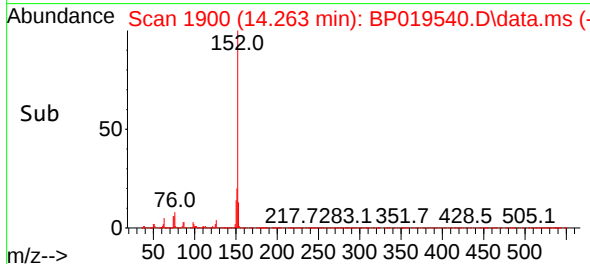
Instrument : BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:152 Resp: 85850
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.6
153 12.8 10.6 15.8

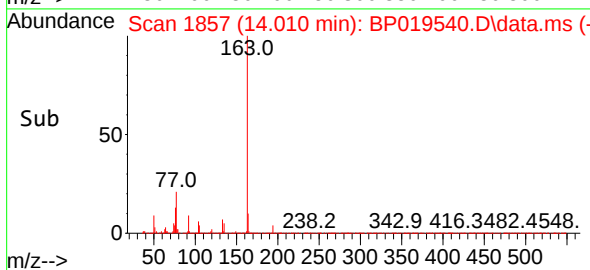
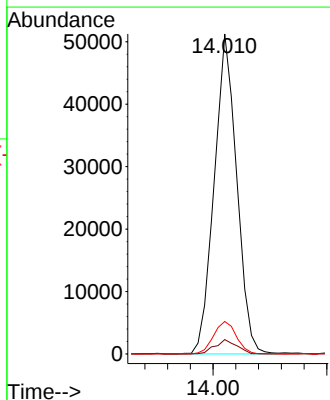
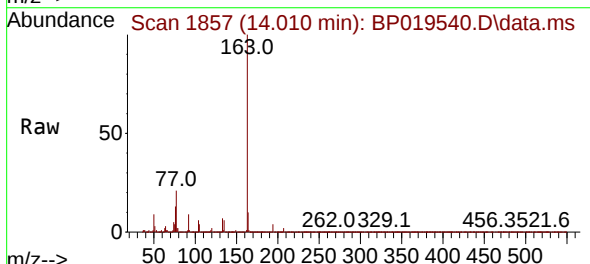
Manual Integrations
APPROVED

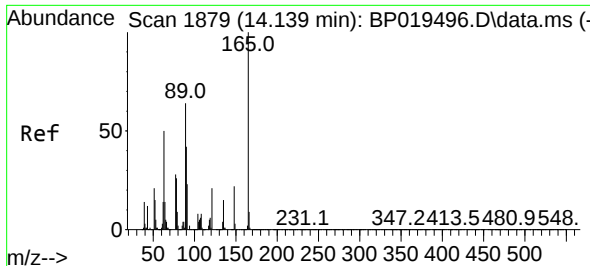
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#50
Dimethylphthalate
Concen: 3.880 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

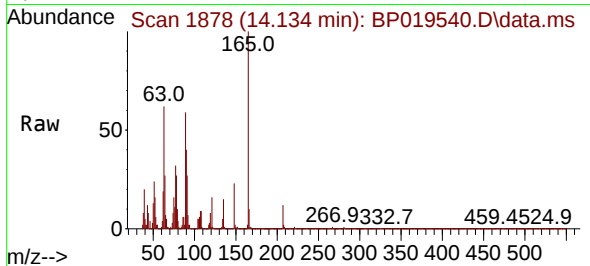
Tgt Ion:163 Resp: 70545
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.2 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 3.574 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

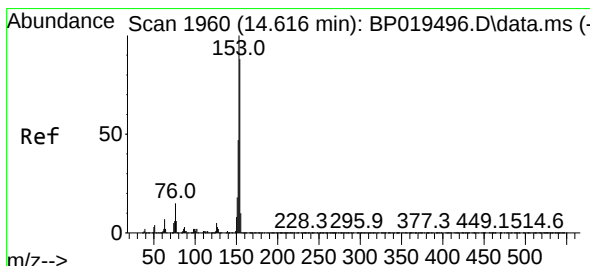
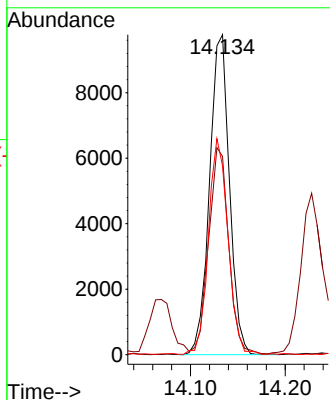
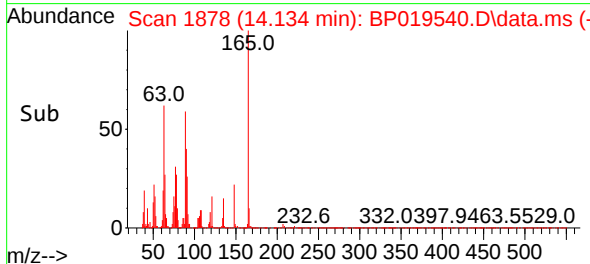
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:165 Resp: 14280
Ion Ratio Lower Upper
165 100
63 61.9 50.4 75.6
89 59.1 51.7 77.5

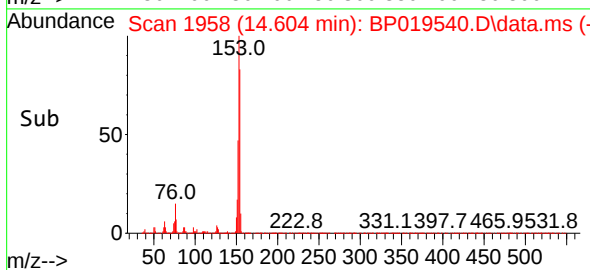
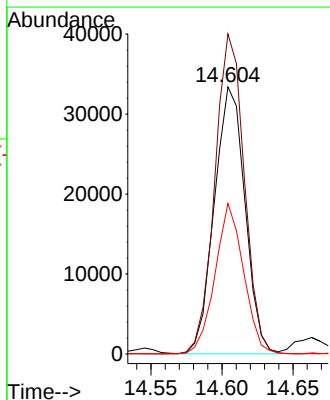
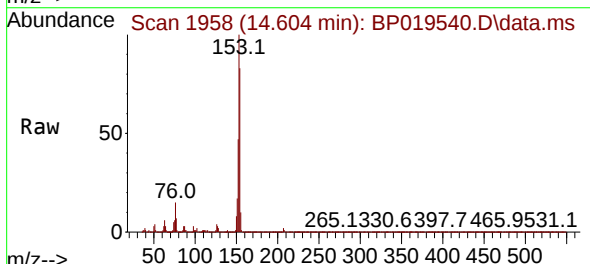
Manual Integrations
APPROVED

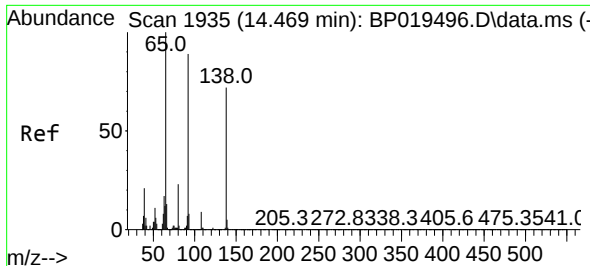
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#52
Acenaphthene
Concen: 3.699 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

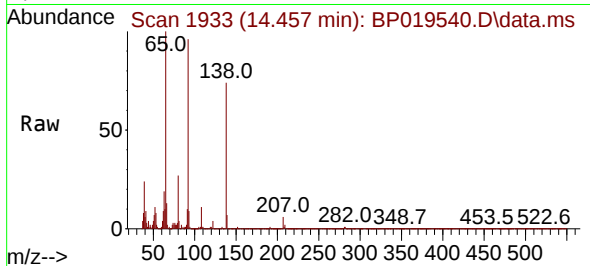
Tgt Ion:154 Resp: 50130
Ion Ratio Lower Upper
154 100
153 119.8 90.5 135.7
152 56.4 42.1 63.1





#53
3-Nitroaniline
Concen: 3.559 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

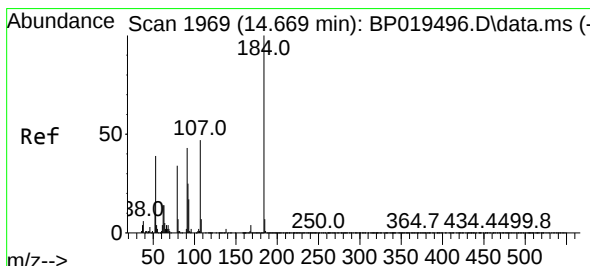
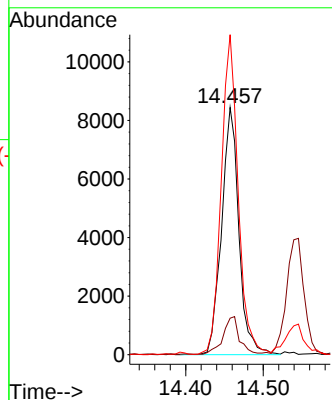
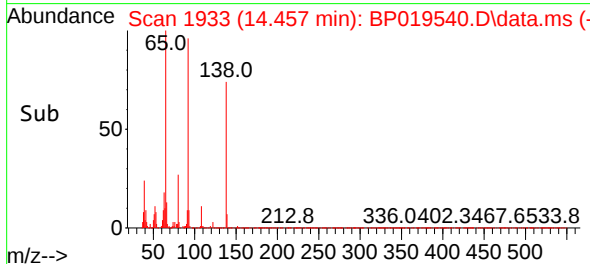
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:138 Resp: 13068
Ion Ratio Lower Upper
138 100
108 14.8 9.7 14.5
92 129.4 98.0 147.0

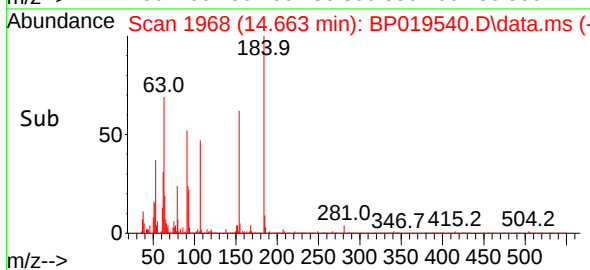
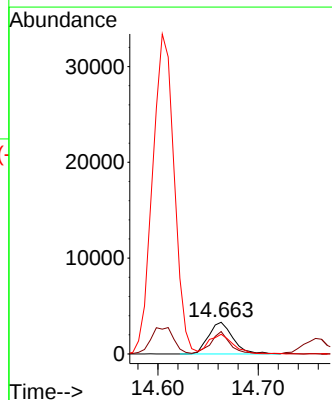
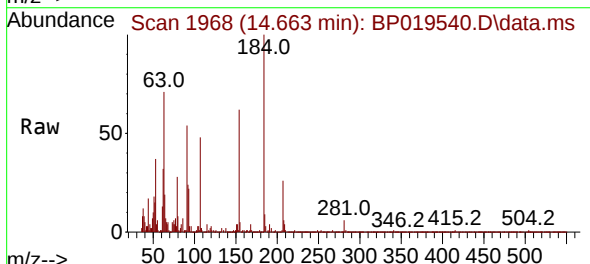
Manual Integrations
APPROVED

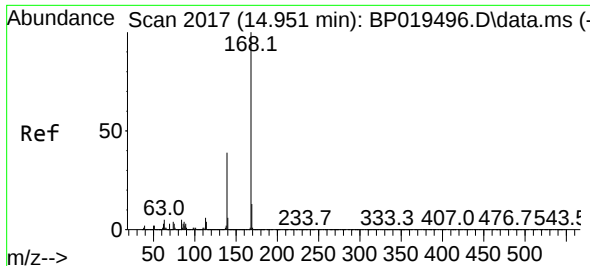
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#54
2,4-Dinitrophenol
Concen: 2.690 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:184 Resp: 5579
Ion Ratio Lower Upper
184 100
63 71.0 50.5 75.7
154 62.3 53.4 80.0





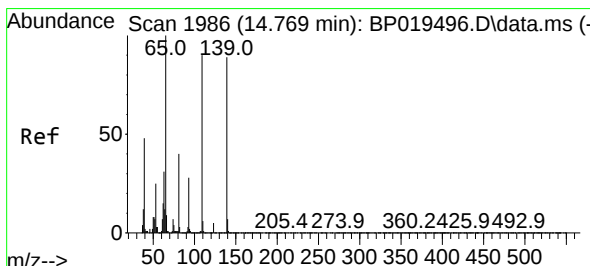
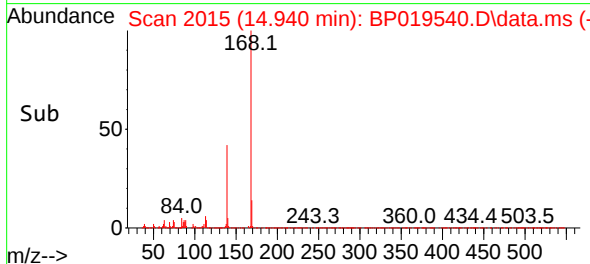
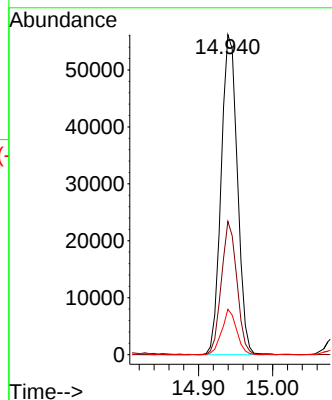
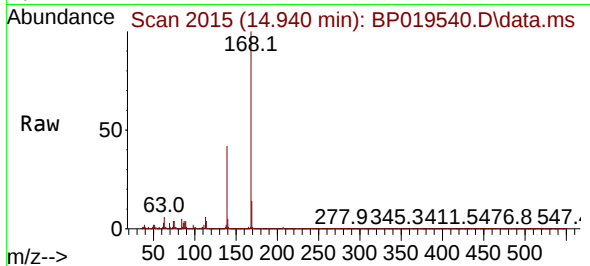
#55
Dibenzenofuran
Concen: 3.877 ng
RT: 14.940 min Scan# 2015
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:168 Resp: 85570
Ion Ratio Lower Upper
168 100
139 41.7 31.5 47.3
169 14.2 10.3 15.5

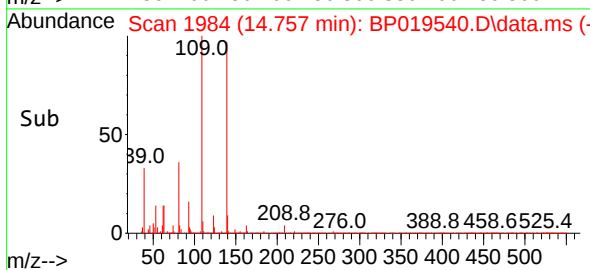
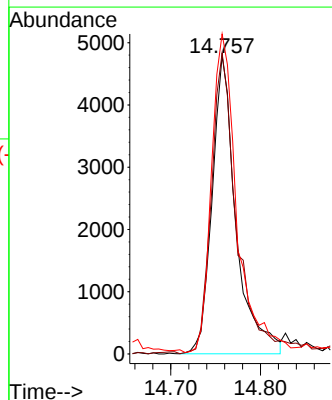
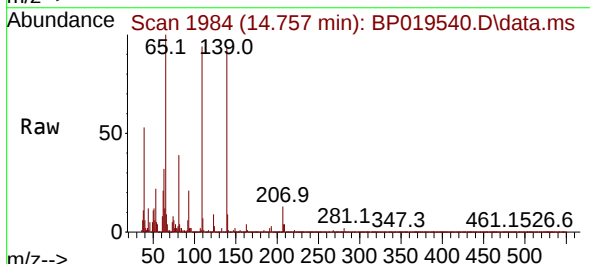
Manual Integrations
APPROVED

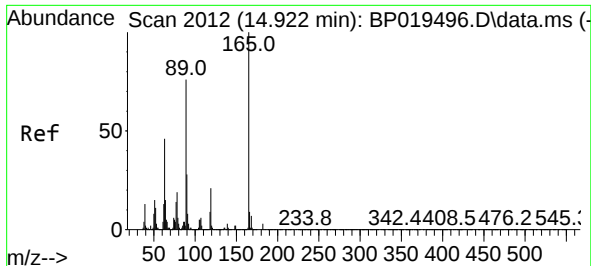
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#56
4-Nitrophenol
Concen: 2.951 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

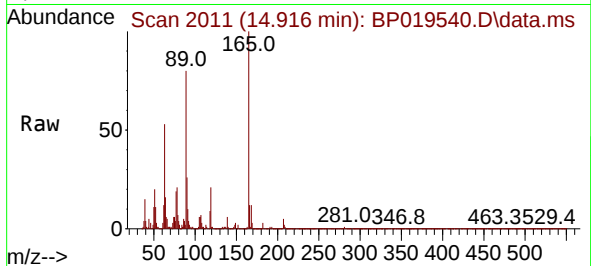
Tgt Ion:139 Resp: 8880
Ion Ratio Lower Upper
139 100
109 100.9 82.0 122.0
65 107.2 92.9 132.9





#57
2,4-Dinitrotoluene
Concen: 3.254 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

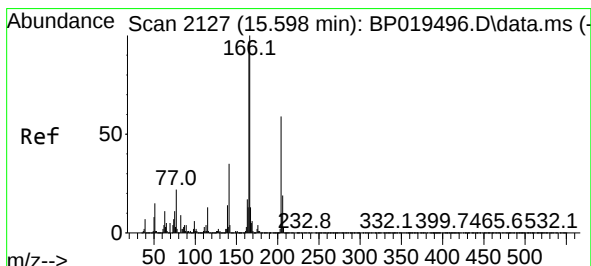
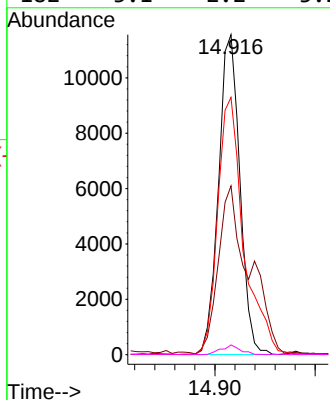
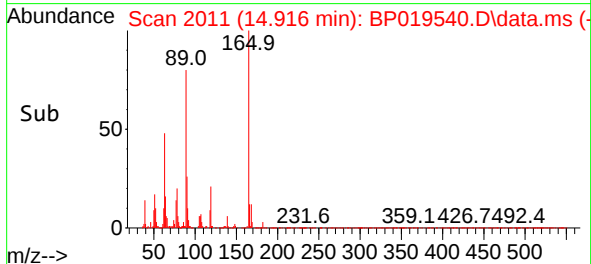
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:165 Resp: 17034
Ion Ratio Lower Upper
165 100
63 52.7 36.9 55.3
89 80.4 61.1 91.7
182 3.1 2.2 3.2

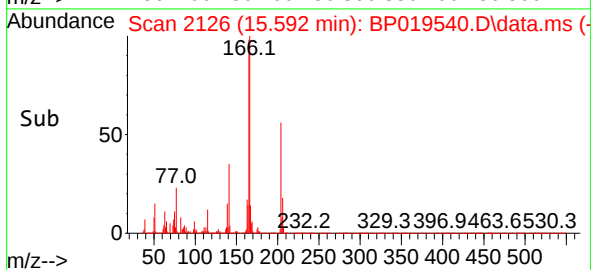
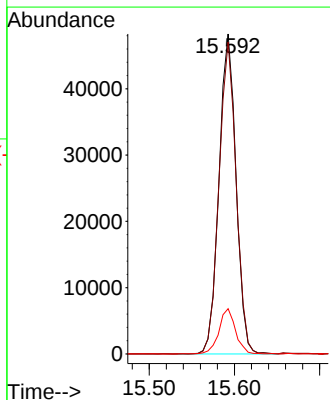
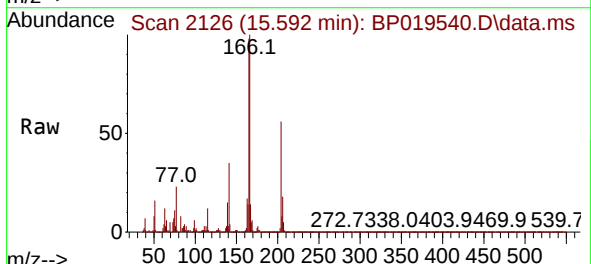
Manual Integrations
APPROVED

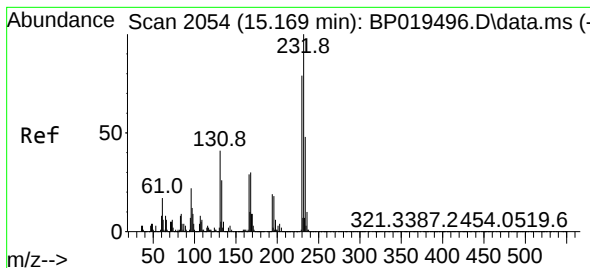
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#58
Fluorene
Concen: 3.815 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:166 Resp: 67063
Ion Ratio Lower Upper
166 100
165 97.5 77.8 116.8
167 14.2 10.7 16.1





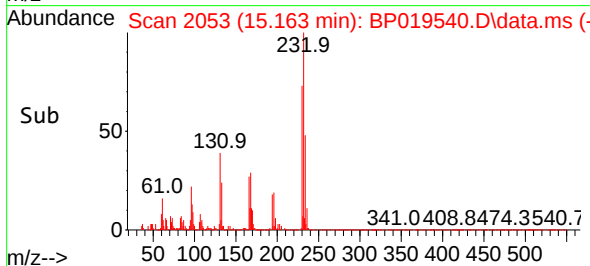
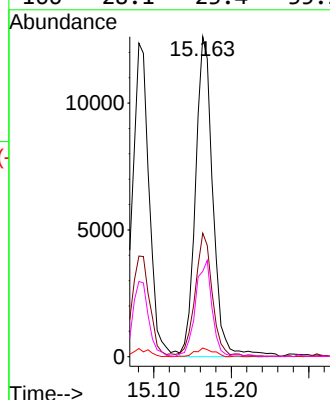
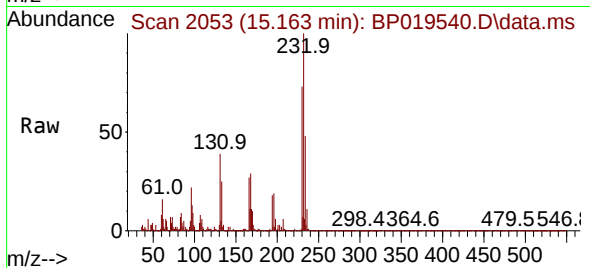
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.836 ng
RT: 15.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:232 Resp: 19650
Ion Ratio Lower Upper
232 100
131 38.2 32.4 48.6
130 2.8 1.9 2.9
166 28.1 23.4 35.2

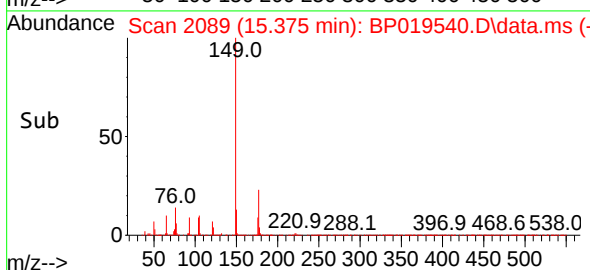
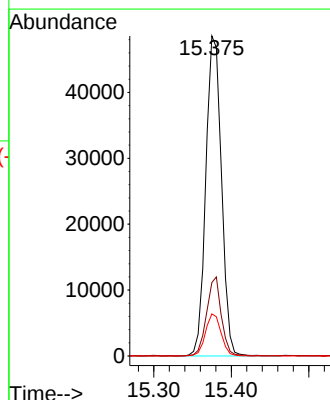
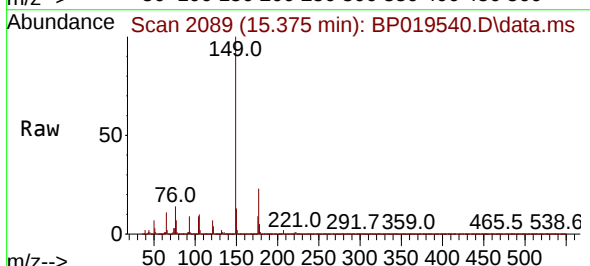
Manual Integrations
APPROVED

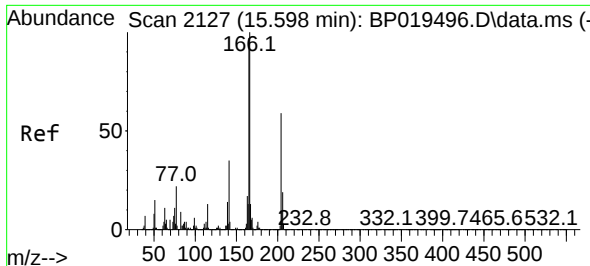
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#60
Diethylphthalate
Concen: 3.761 ng
RT: 15.375 min Scan# 2089
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

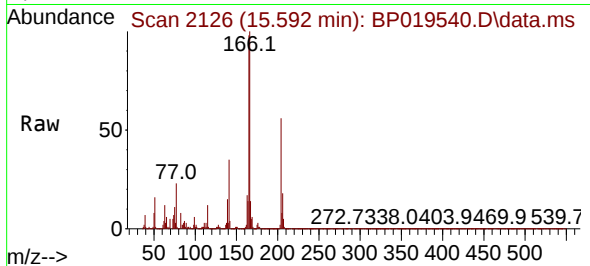
Tgt Ion:149 Resp: 68017
Ion Ratio Lower Upper
149 100
177 23.0 18.2 27.2
150 13.2 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 3.866 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

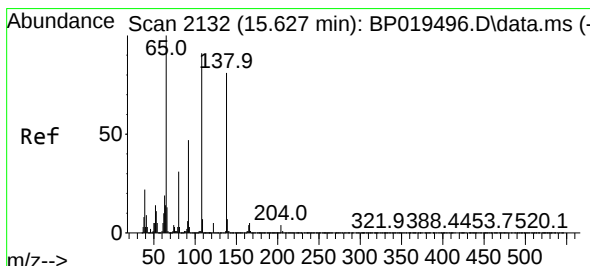
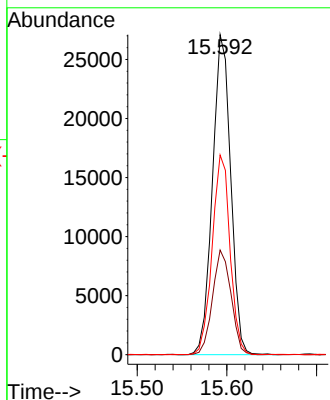
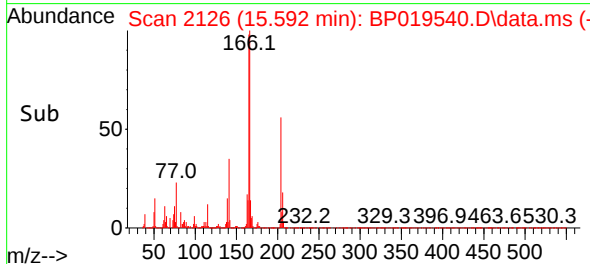
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023



Tgt Ion:204 Resp: 3820
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 62.4 48.5 72.7

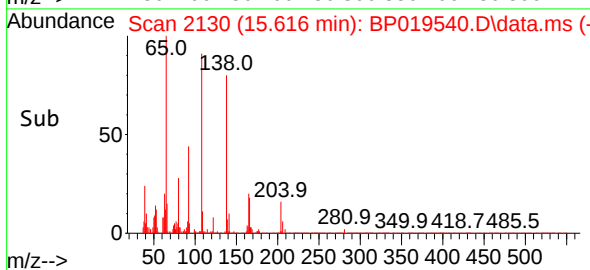
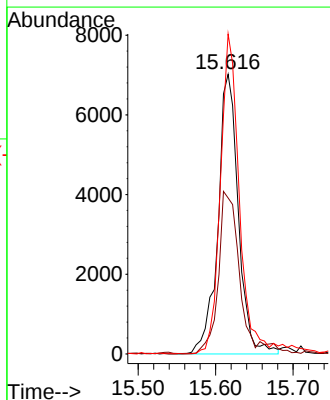
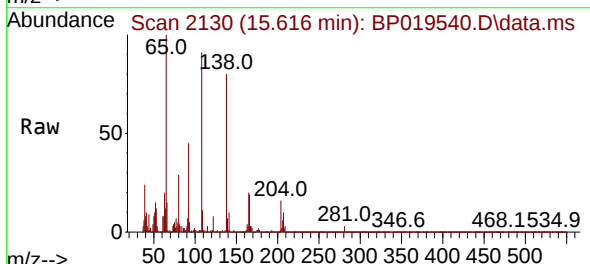
Manual Integrations
APPROVED

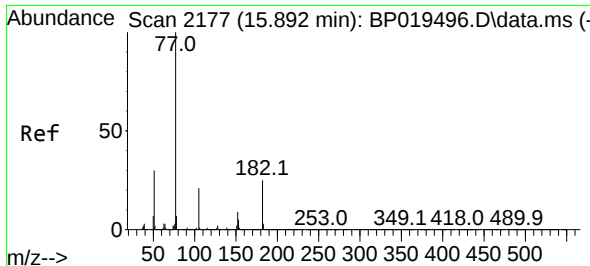
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#62
4-Nitroaniline
Concen: 3.339 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

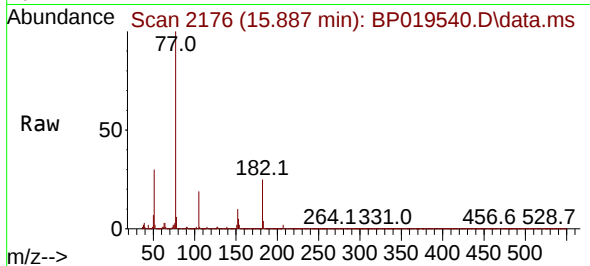
Tgt Ion:138 Resp: 12851
Ion Ratio Lower Upper
138 100
92 55.8 38.3 78.3
108 114.4 91.2 131.2





#63
Azobenzene
Concen: 3.691 ng
RT: 15.887 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

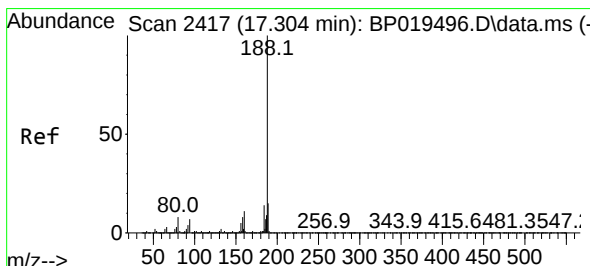
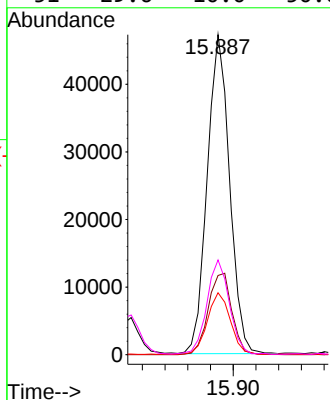
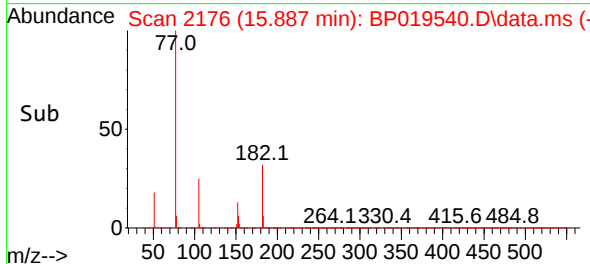
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



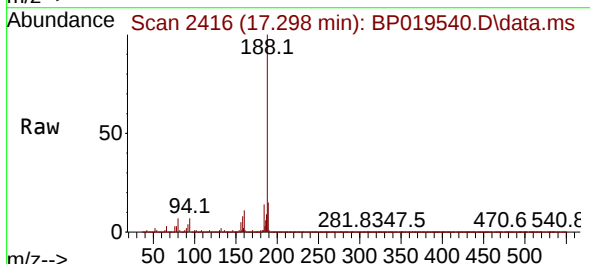
Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.8	5.1	45.1
105	19.4	0.8	40.8
51	29.6	10.0	50.0

Manual Integrations
APPROVED

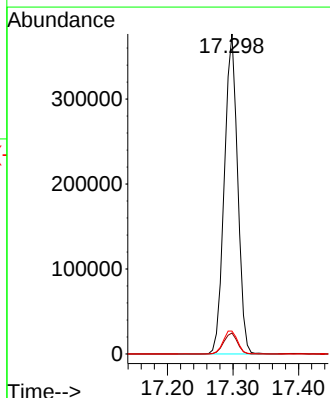
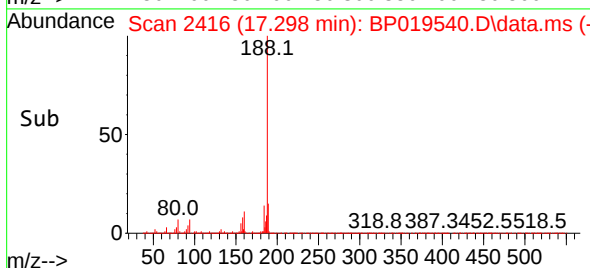
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

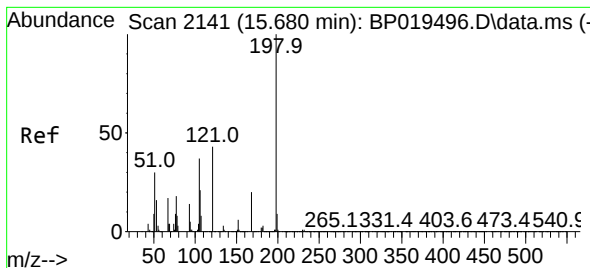


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25



Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.4	8.2
80	7.1	6.3	9.5





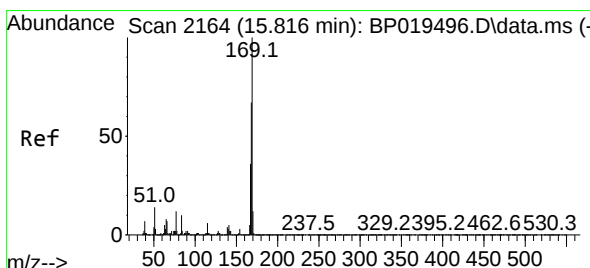
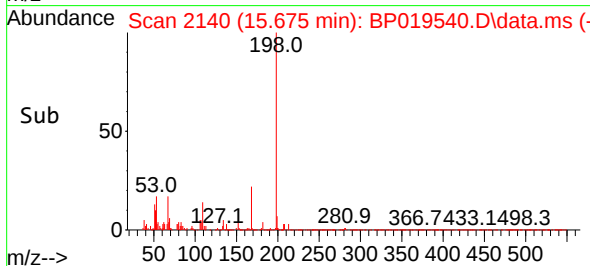
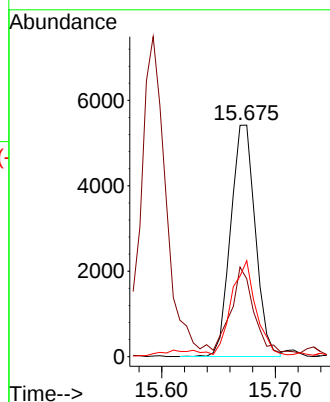
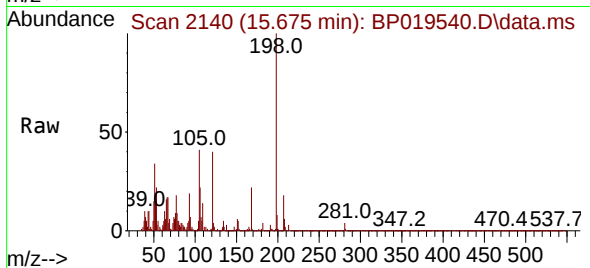
#65
4,6-Dinitro-2-methylphenol
Concen: 2.709 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:198 Resp: 815
Ion Ratio Lower Upper
198 100
51 33.6 21.2 61.2
105 41.5 19.1 59.1

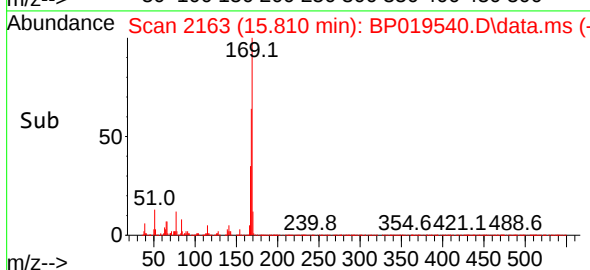
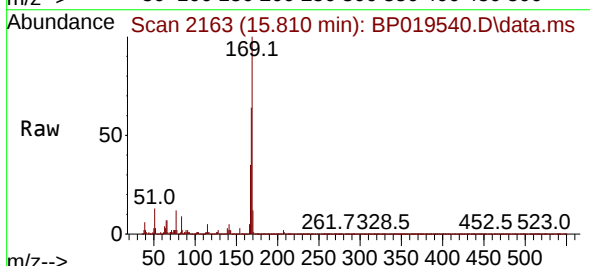
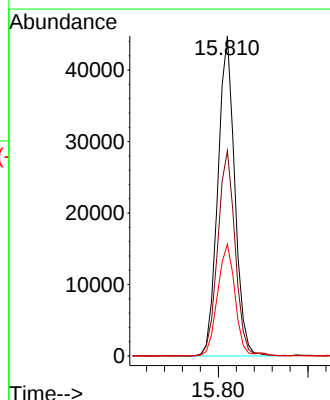
Manual Integrations
APPROVED

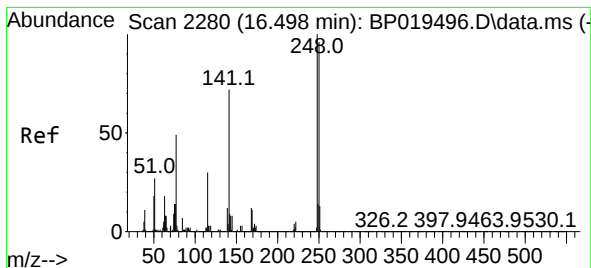
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#66
n-Nitrosodiphenylamine
Concen: 3.697 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

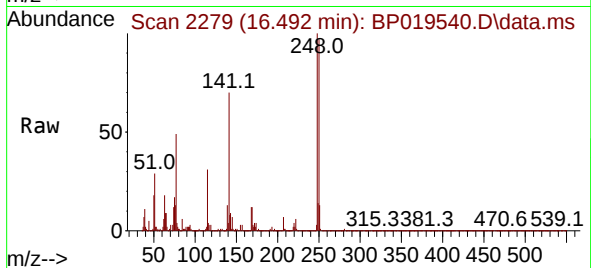
Tgt Ion:169 Resp: 58473
Ion Ratio Lower Upper
169 100
168 64.1 53.4 80.2
167 34.9 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 3.550 ng
RT: 16.492 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

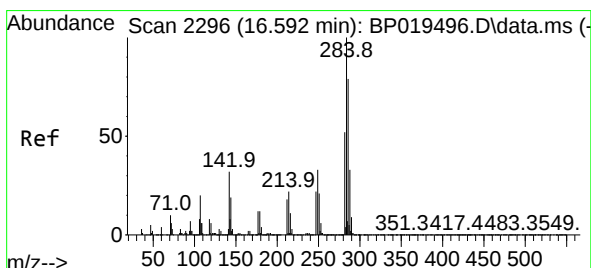
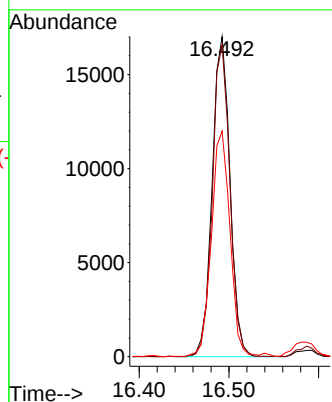
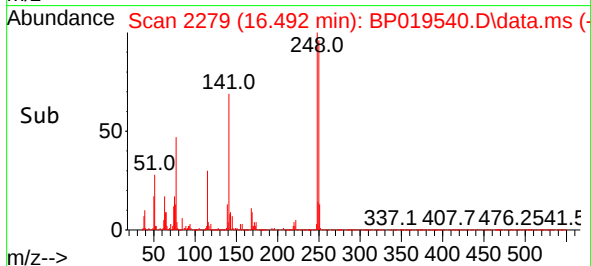
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:248 Resp: 23438
Ion Ratio Lower Upper
248 100
250 97.4 76.9 115.3
141 70.5 58.0 87.0

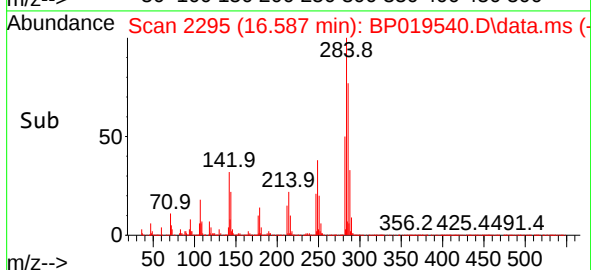
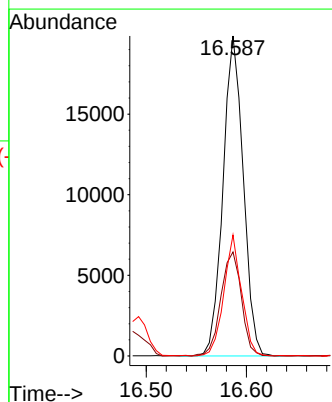
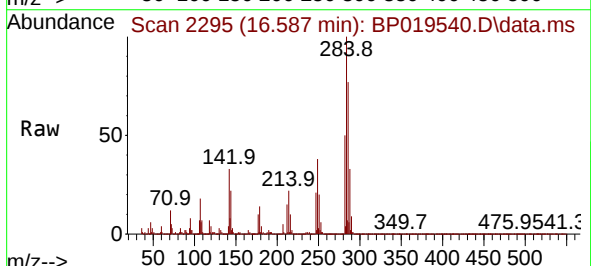
Manual Integrations
APPROVED

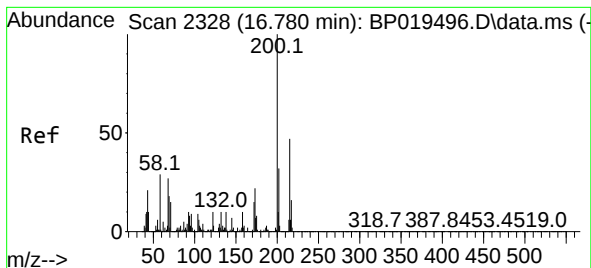
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#68
Hexachlorobenzene
Concen: 3.607 ng
RT: 16.587 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:284 Resp: 27808
Ion Ratio Lower Upper
284 100
142 32.5 25.4 38.2
249 37.8 26.5 39.7





#69

Atrazine

Concen: 4.282 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

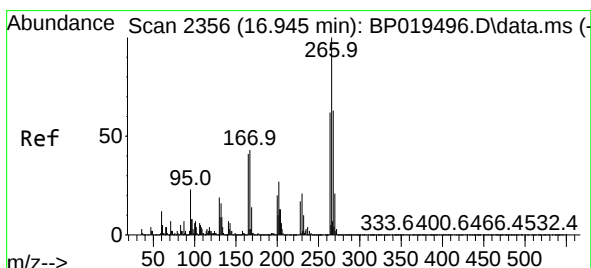
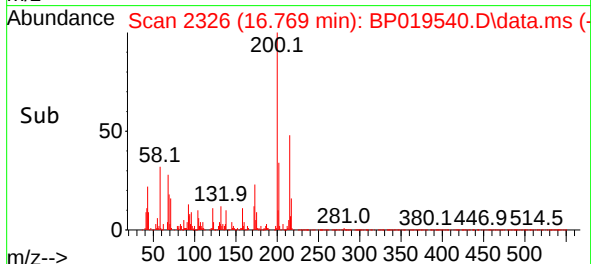
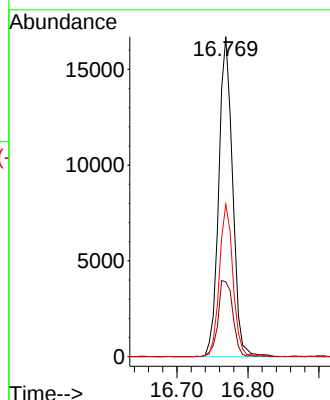
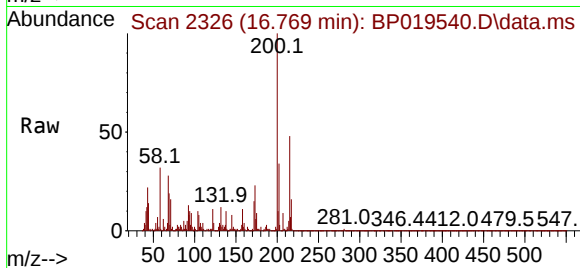
MDL-SOIL-03-QT3-2023

Tgt Ion:200 Resp: 22469
 Ion Ratio Lower Upper
 200 100
 173 23.3 1.7 41.7
 215 47.5 26.9 66.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#70

Pentachlorophenol

Concen: 2.786 ng

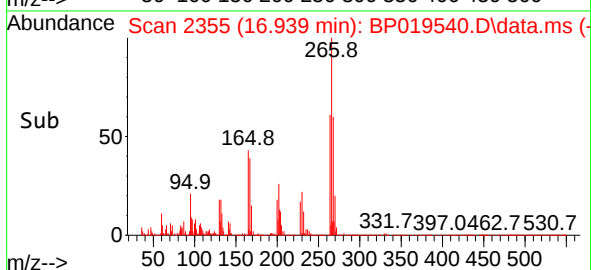
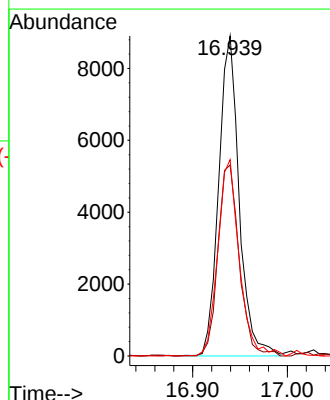
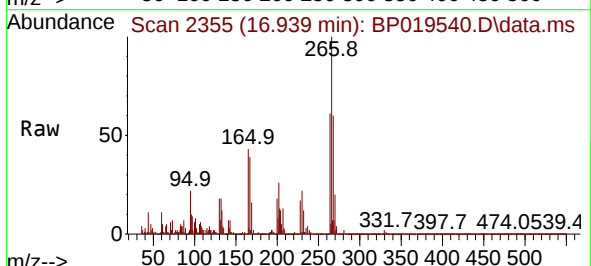
RT: 16.939 min Scan# 2355

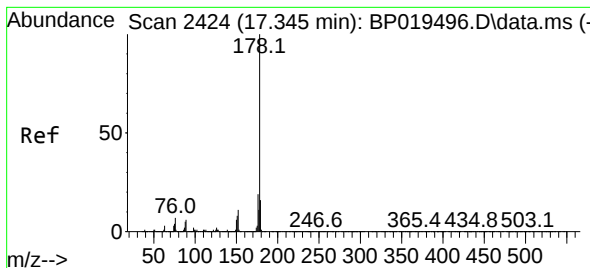
Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:266 Resp: 13373
 Ion Ratio Lower Upper
 266 100
 268 66.2 50.3 75.5
 264 61.3 49.7 74.5





#71

Phenanthrene

Concen: 3.890 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

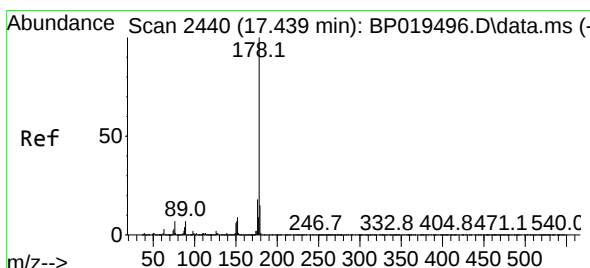
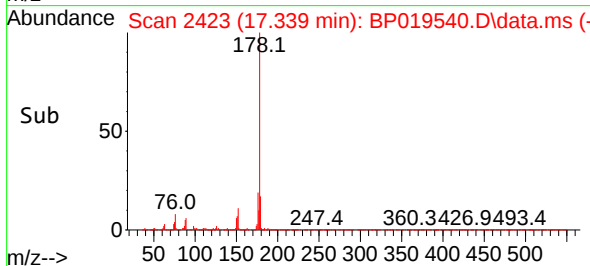
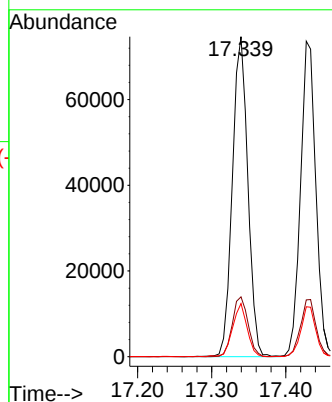
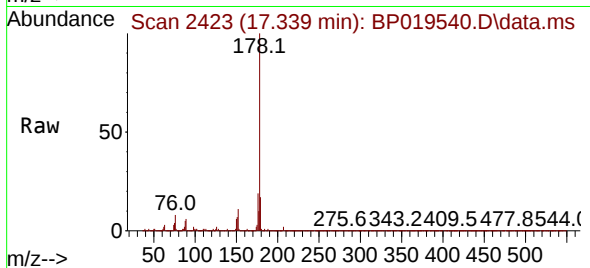
MDL-SOIL-03-QT3-2023

Tgt Ion:178	Resp: 10811
Ion Ratio	Lower Upper
178	100
176	18.7 15.5 23.3
179	16.6 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#72

Anthracene

Concen: 3.818 ng

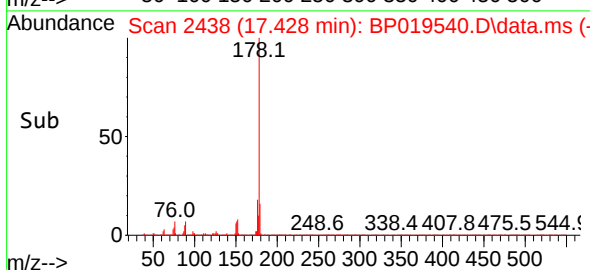
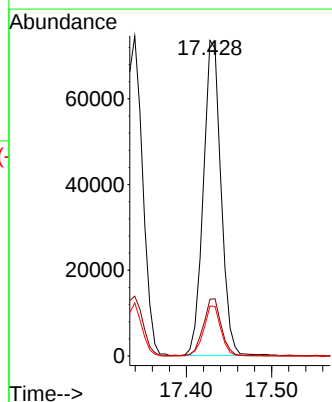
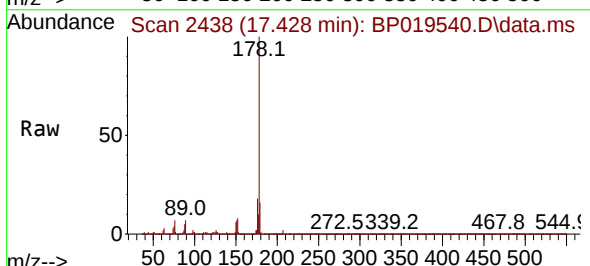
RT: 17.428 min Scan# 2438

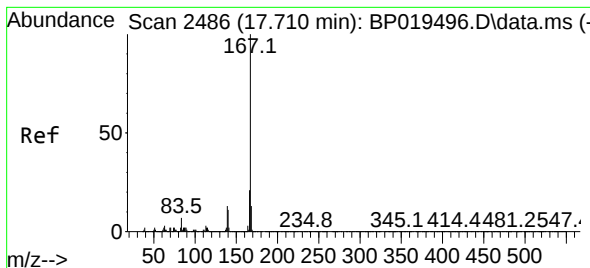
Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:178	Resp: 105848
Ion Ratio	Lower Upper
178	100
176	18.0 14.7 22.1
179	15.8 12.2 18.2





#73

Carbazole

Concen: 3.537 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

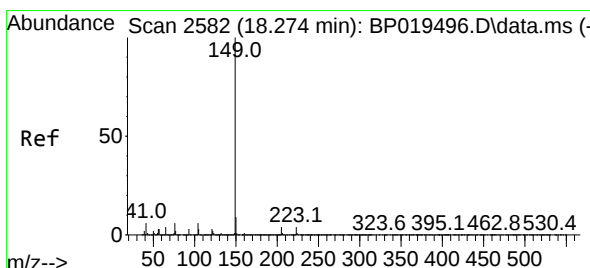
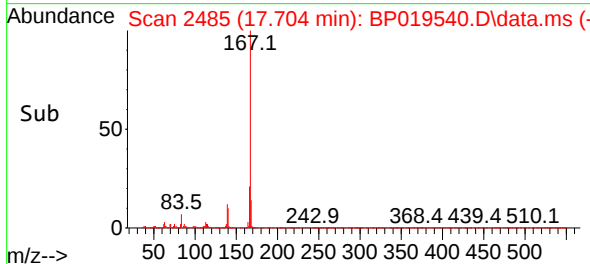
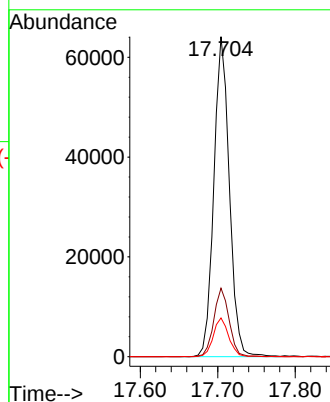
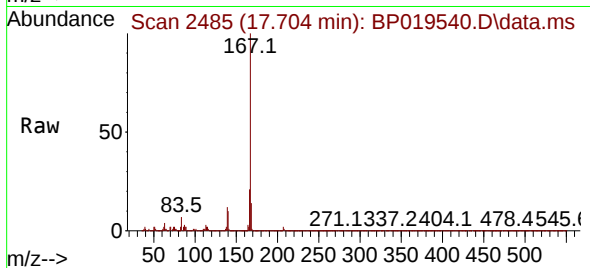
MDL-SOIL-03-QT3-2023

Tgt Ion:167	Resp:	8907
Ion Ratio	Lower	Upper
167	100	
166	21.4	17.2 25.8
139	12.1	10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#74

Di-n-butylphthalate

Concen: 3.290 ng

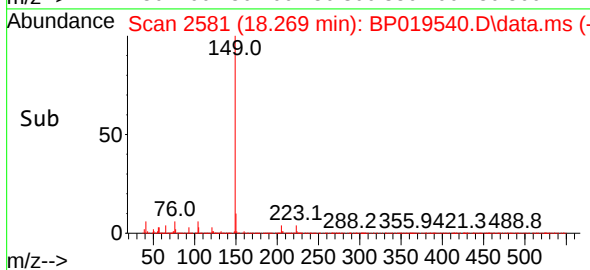
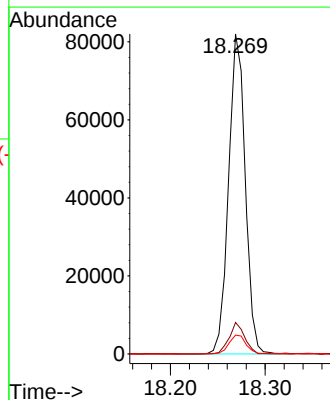
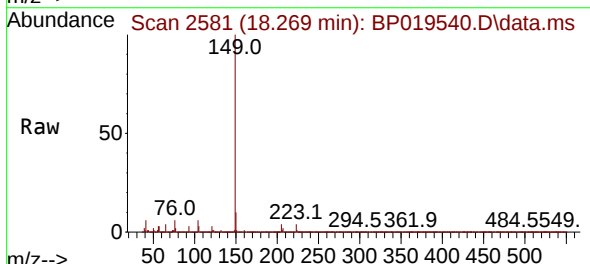
RT: 18.269 min Scan# 2581

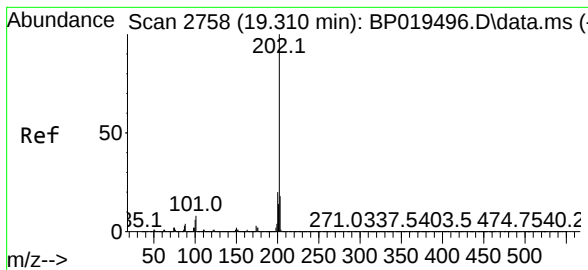
Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:149	Resp:	100187
Ion Ratio	Lower	Upper
149	100	
150	9.8	7.3 10.9
104	5.9	4.8 7.2





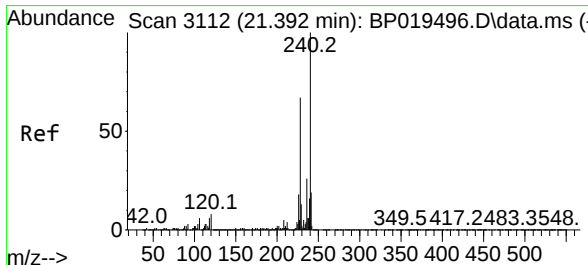
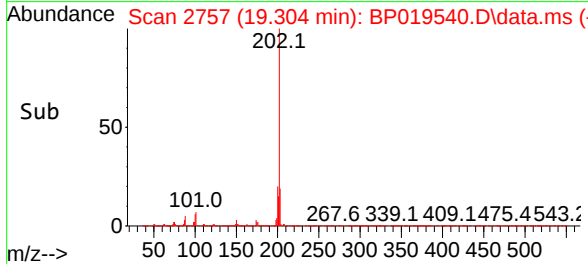
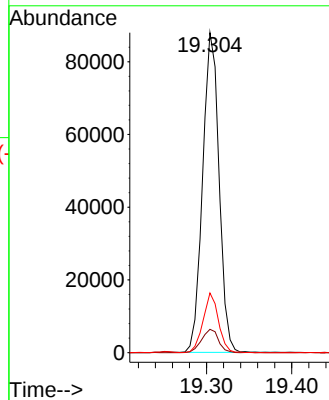
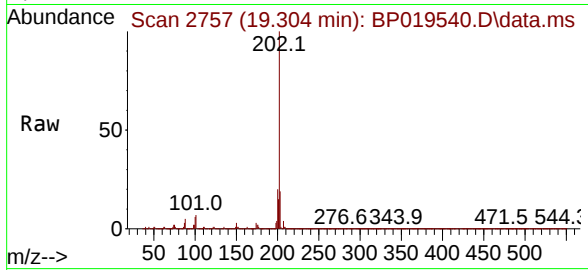
#75
Fluoranthene
Concen: 3.464 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:	202	Resp:	117604
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	27.7
203	18.6	0.0	37.5

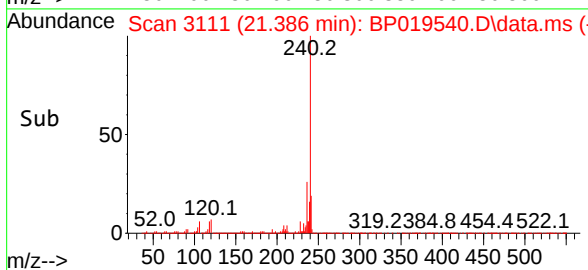
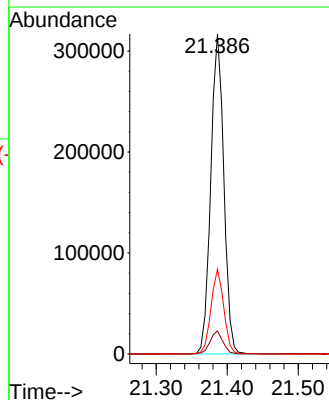
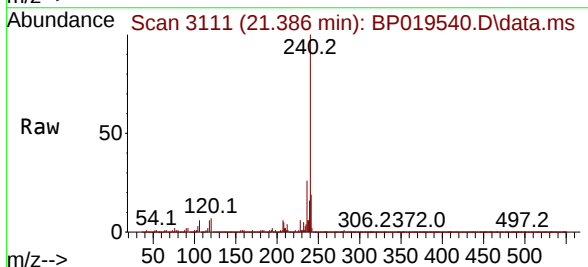
Manual Integrations
APPROVED

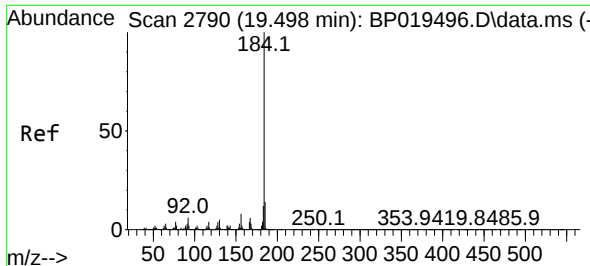
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:	240	Resp:	404239
Ion Ratio	Lower	Upper	
240	100		
120	7.2	6.1	9.1
236	26.5	20.7	31.1





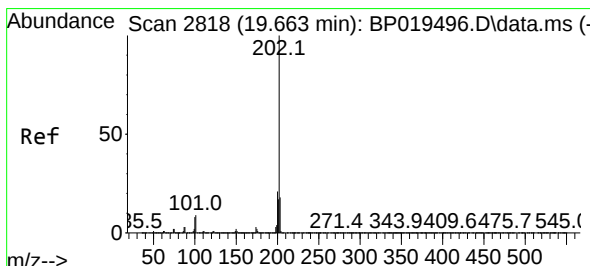
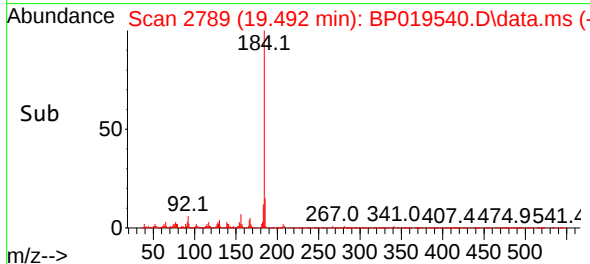
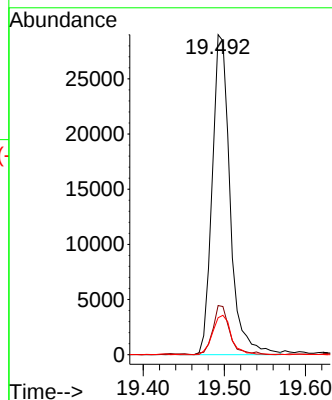
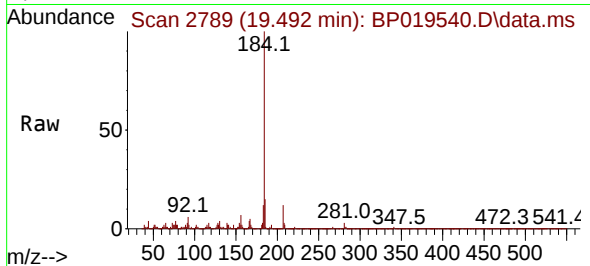
#77
Benzidine
Concen: 5.255 ng
RT: 19.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:184 Resp: 4441
Ion Ratio Lower Upper
184 100
185 15.4 11.1 16.7
183 11.5 9.7 14.5

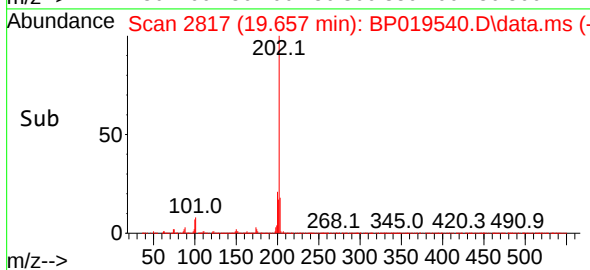
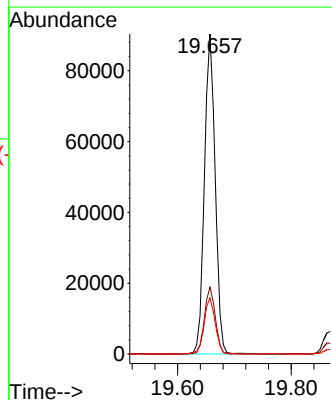
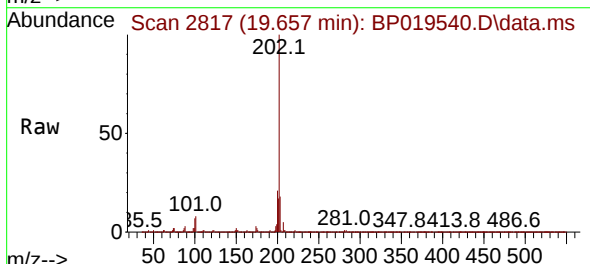
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#78
Pyrene
Concen: 4.154 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:202 Resp: 118512
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 91.190 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

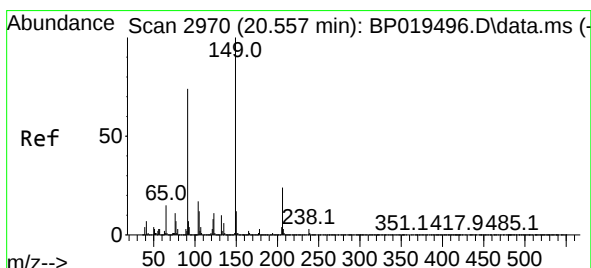
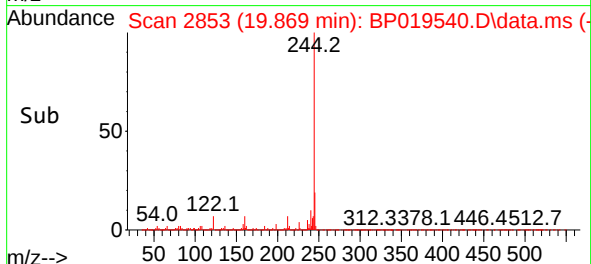
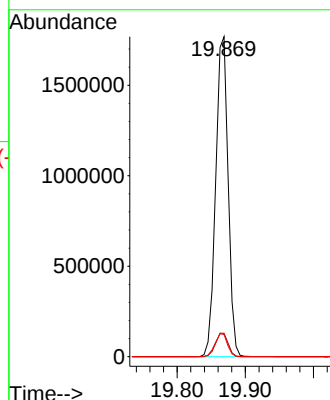
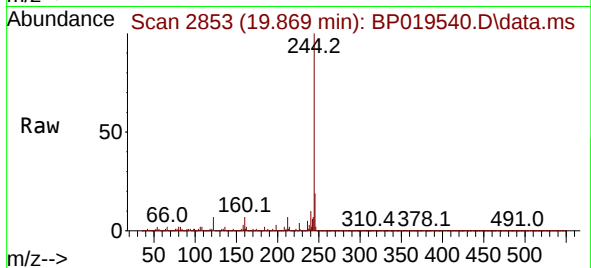
Tgt Ion:244 Resp: 224151

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	7.0	5.9	8.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#80

Butylbenzylphthalate

Concen: 3.181 ng

RT: 20.551 min Scan# 2969

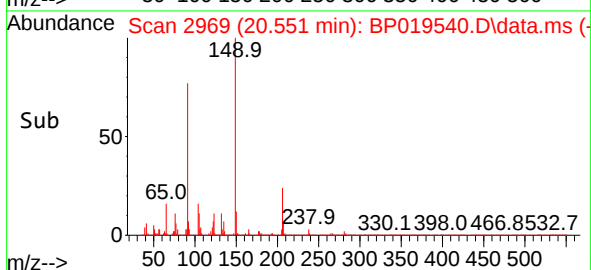
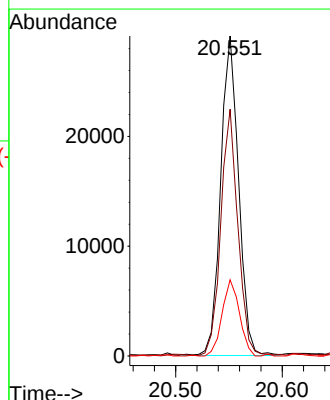
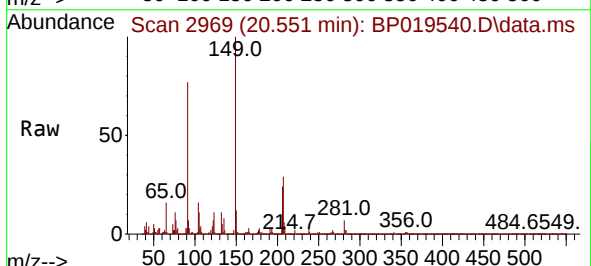
Delta R.T. -0.006 min

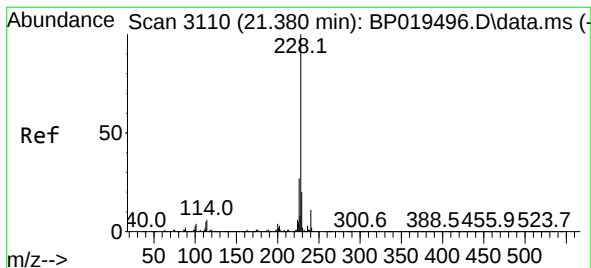
Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:149 Resp: 33896

Ion	Ratio	Lower	Upper
149	100		
91	77.1	59.4	89.0
206	23.8	19.0	28.6





#81

Benzo(a)anthracene

Concen: 3.761 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

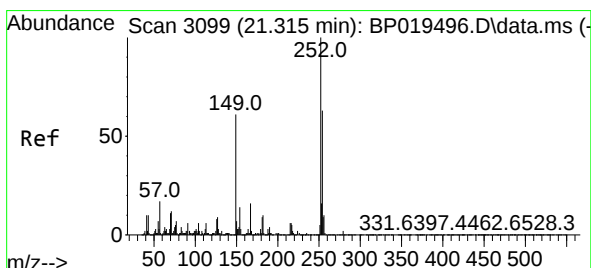
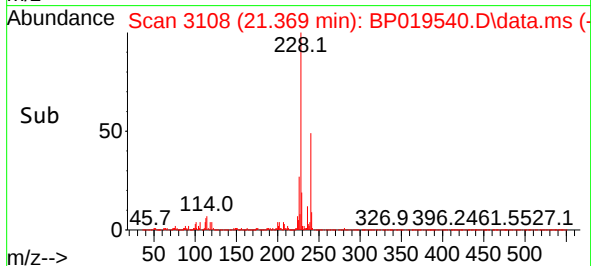
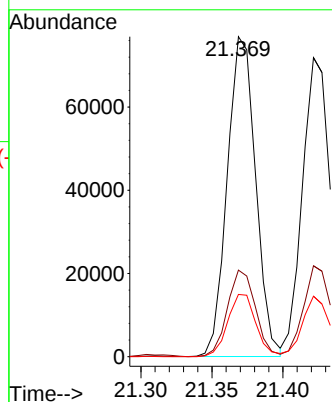
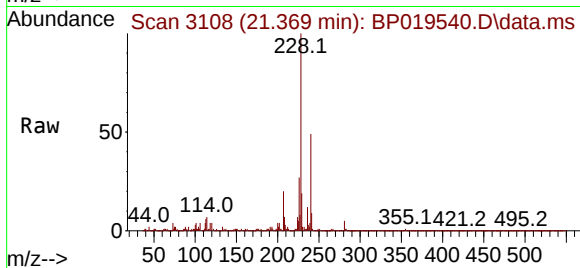
MDL-SOIL-03-QT3-2023

Tgt Ion:228	Resp: 107009
Ion Ratio	Lower Upper
228 100	
226 27.1	21.7 32.5
229 19.5	15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#82

3,3'-Dichlorobenzidine

Concen: 3.544 ng

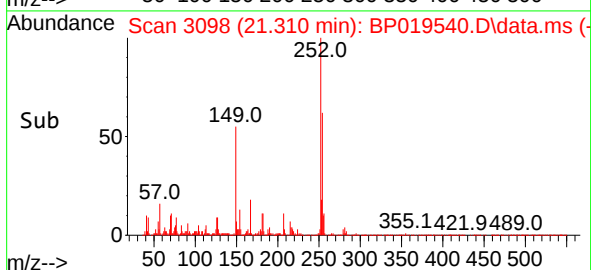
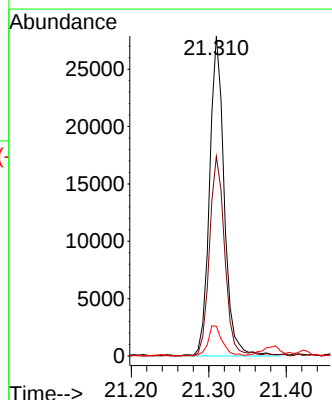
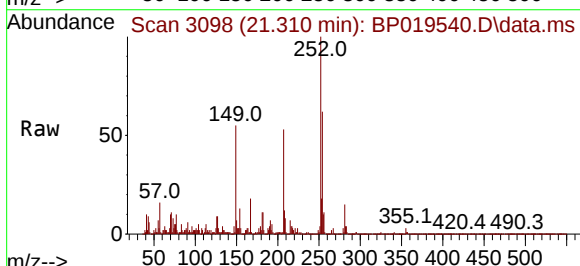
RT: 21.310 min Scan# 3098

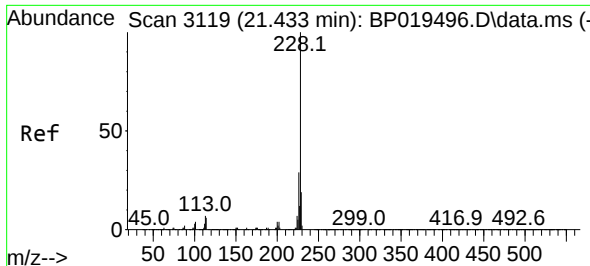
Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:252	Resp: 36746
Ion Ratio	Lower Upper
252 100	
254 62.3	50.7 76.1
126 9.3	6.4 9.6





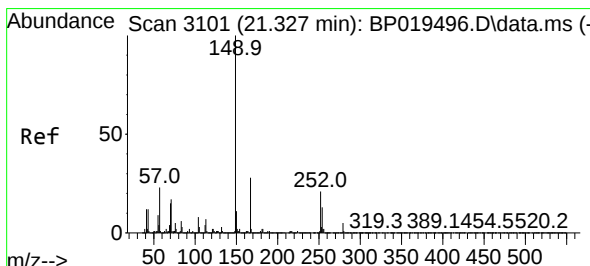
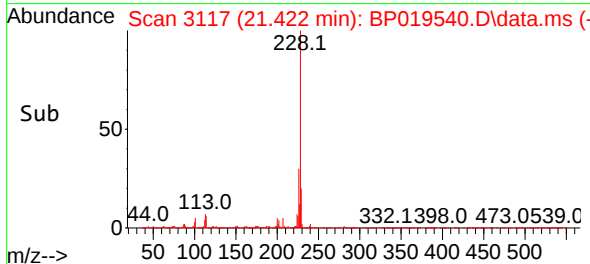
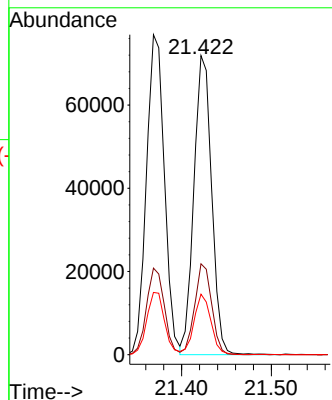
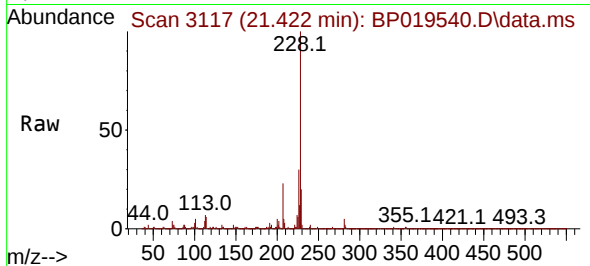
#83
Chrysene
Concen: 3.652 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023

Tgt Ion:228 Resp: 98669
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 20.3 15.6 23.4

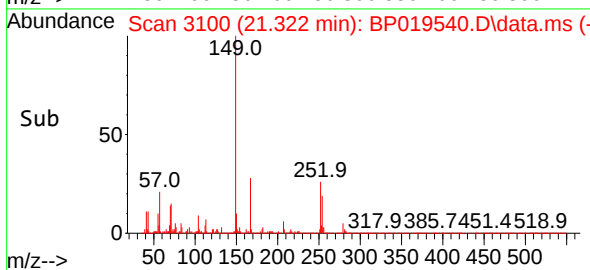
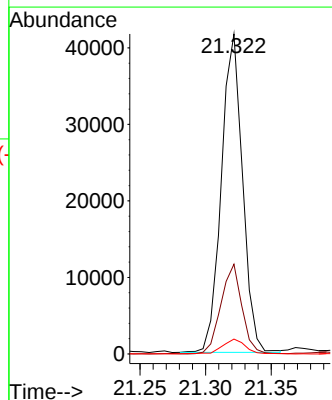
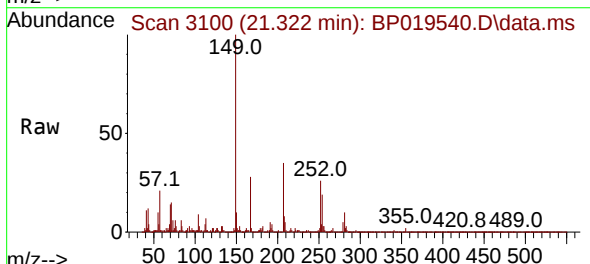
Manual Integrations
APPROVED

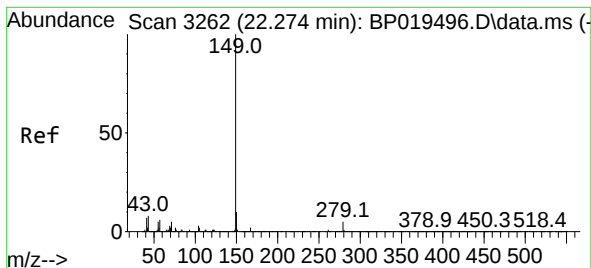
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.873 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:149 Resp: 46603
Ion Ratio Lower Upper
149 100
167 28.0 22.7 34.1
279 4.6 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 2.543 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

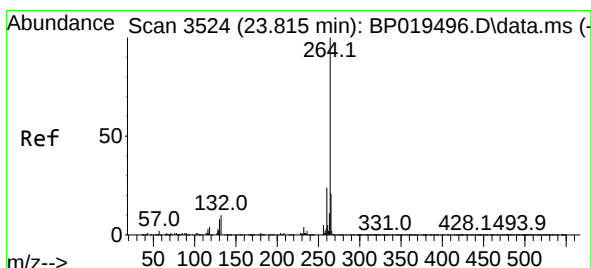
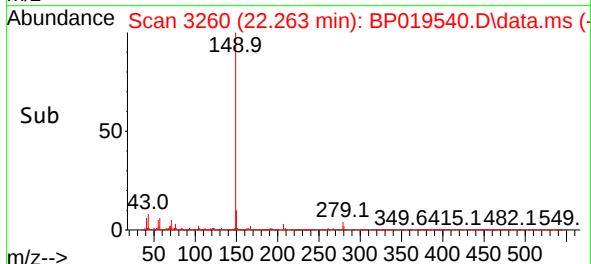
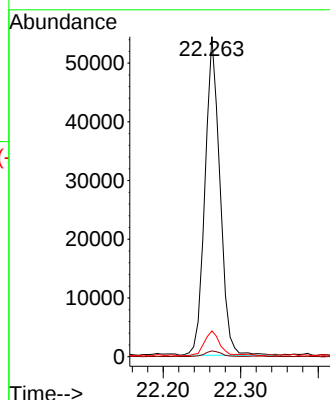
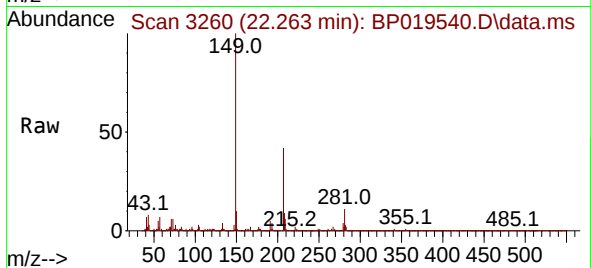
MDL-SOIL-03-QT3-2023

Tgt Ion:149	Resp:	72599
Ion Ratio	Lower	Upper
149	100	
167	1.9	1.3 1.9
43	8.3	6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#86

Perylene-d12

Concen: 20.000 ng

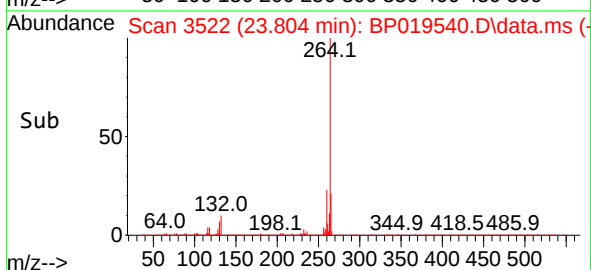
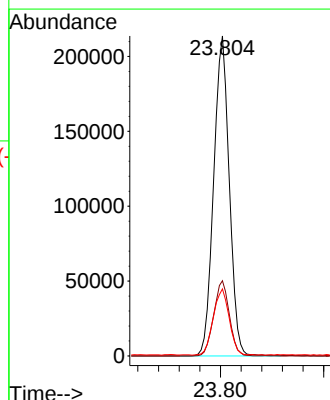
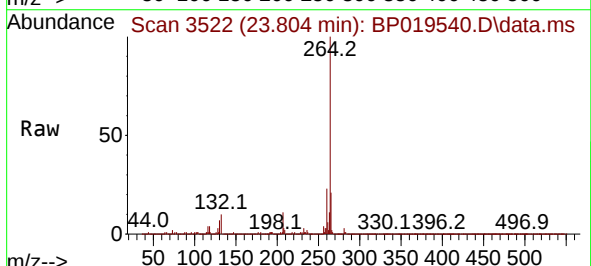
RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:264	Resp:	447374
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.2 28.8
265	21.0	17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.591 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

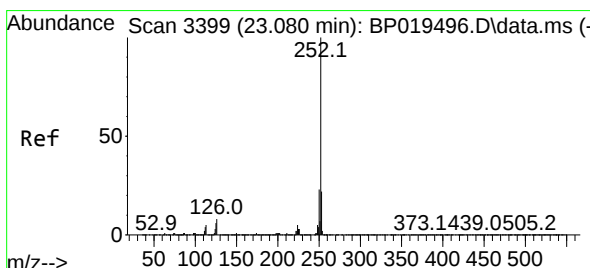
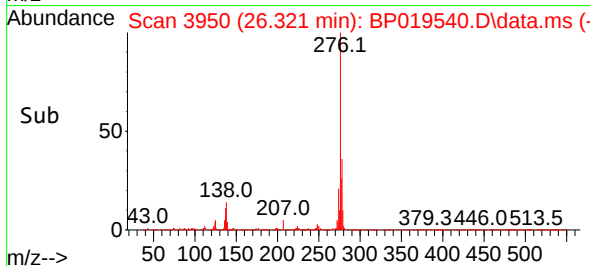
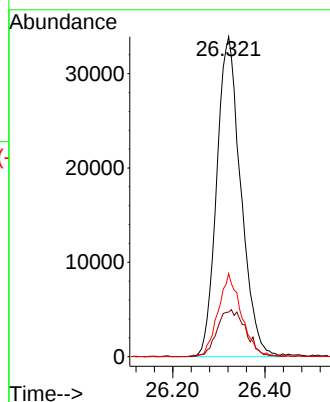
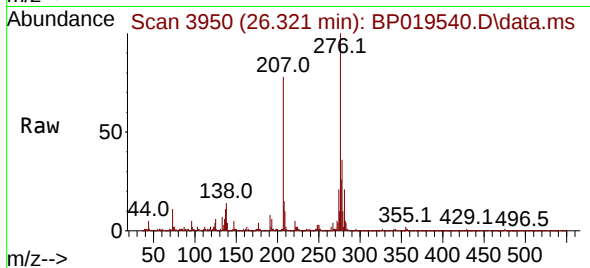
MDL-SOIL-03-QT3-2023

Tgt Ion:	276	Resp:	122960
Ion Ratio	Lower	Upper	
276	100		
138	17.3	13.1	19.7
277	25.1	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#88

Benzo(b)fluoranthene

Concen: 3.439 ng

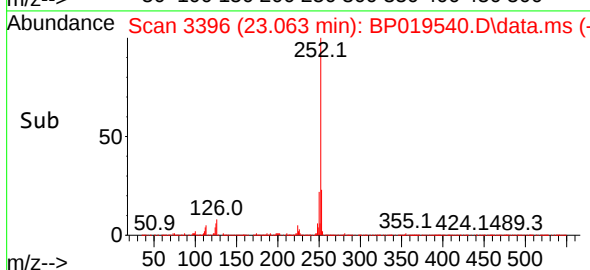
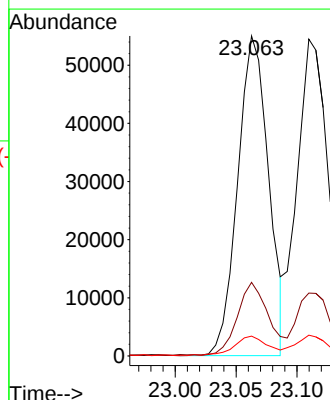
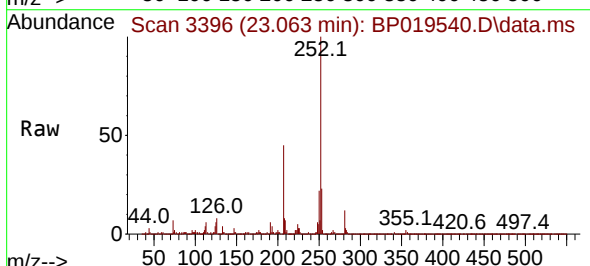
RT: 23.063 min Scan# 3396

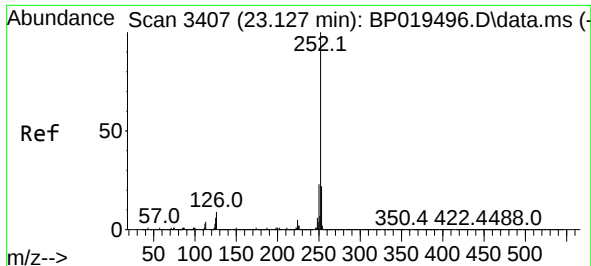
Delta R.T. -0.017 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:	252	Resp:	96978
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.3	25.9
125	6.2	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 3.631 ng

RT: 23.110 min Scan# 3407

Delta R.T. -0.017 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

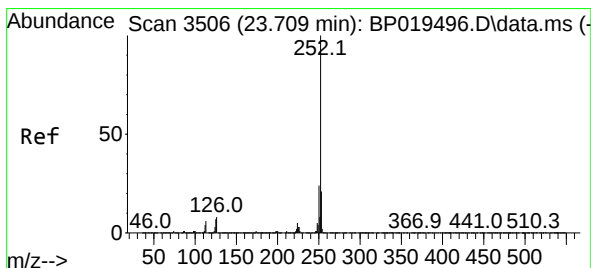
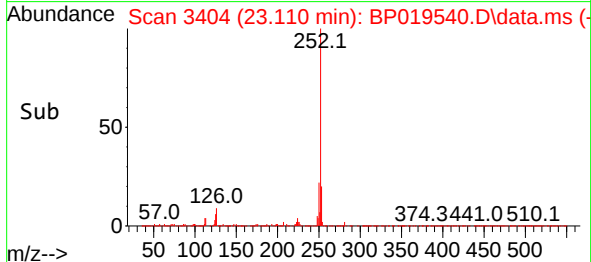
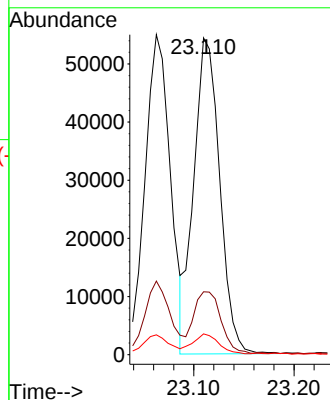
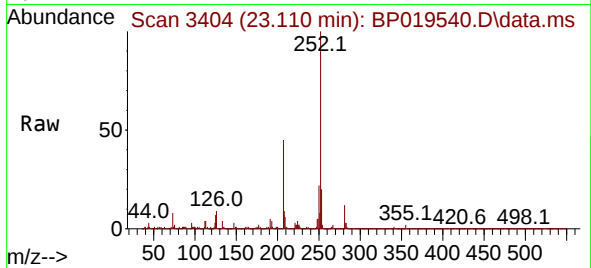
MDL-SOIL-03-QT3-2023

Tgt Ion:252	Resp:	97794
Ion Ratio	Lower	Upper
252	100	
253	19.8	17.1 25.7
125	6.5	5.0 7.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#90

Benzo(a)pyrene

Concen: 3.441 ng

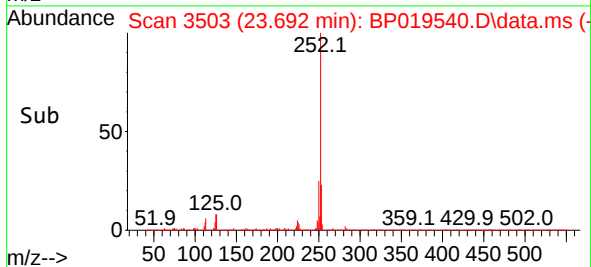
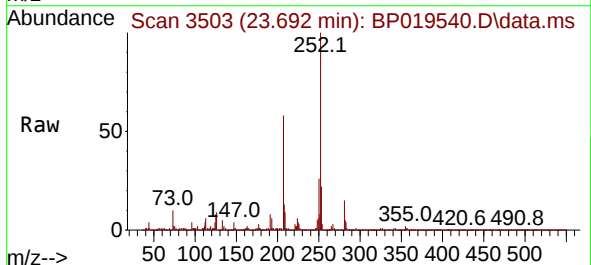
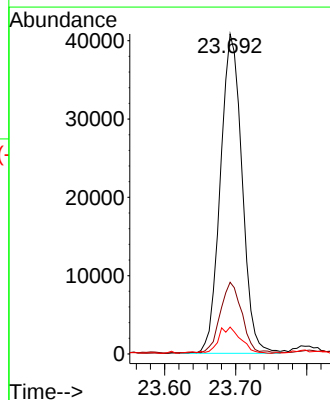
RT: 23.692 min Scan# 3503

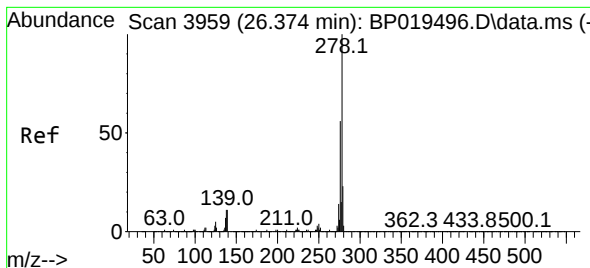
Delta R.T. -0.017 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:252	Resp:	86322
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.1 25.7
125	8.4	5.6 8.4#





#91

Dibenzo(a,h)anthracene

Concen: 3.641 ng

RT: 26.345 min Scan# 3954

Delta R.T. -0.029 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

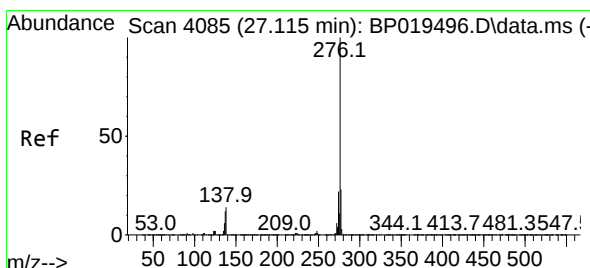
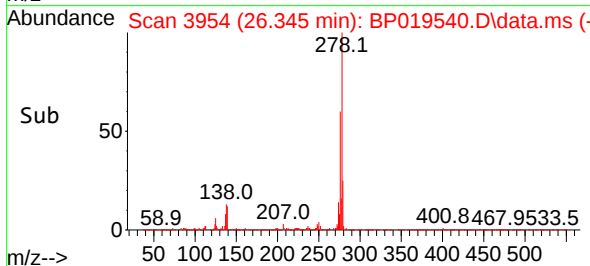
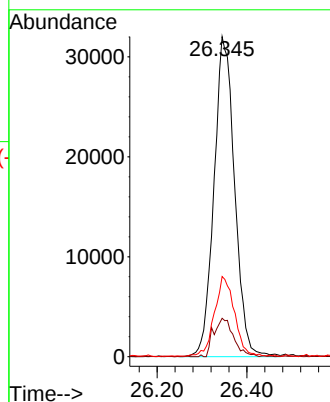
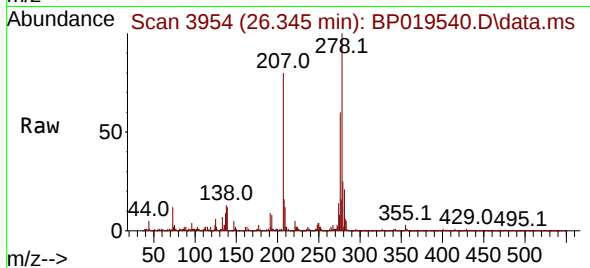
MDL-SOIL-03-QT3-2023

Tgt Ion:	278	Resp:	10256
Ion Ratio	Lower	Upper	
278	100		
139	12.0	8.6	12.8
279	25.1	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#92

Benzo(g,h,i)perylene

Concen: 3.434 ng

RT: 27.086 min Scan# 4080

Delta R.T. -0.029 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:	276	Resp:	98112
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	14.5	10.9	16.3

