

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019542.D
 Acq On : 02 Feb 2024 23:33
 Operator : MA/JU
 Sample : 04699-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Feb 03 00:09:27 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	86083	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	362097	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	264686	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	606361	20.000	ng	0.00
76) Chrysene-d12	21.386	240	416986	20.000	ng	0.00
86) Perylene-d12	23.804	264	414592	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	671831	125.802	ng	0.00
7) Phenol-d6	7.081	99	934821	129.822	ng	0.00
23) Nitrobenzene-d5	9.081	82	650856	77.887	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	577028	149.311	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1624847	75.889	ng	0.00
79) Terphenyl-d14	19.869	244	2574032	101.517	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	8419	4.092	ng	# 93
3) Pyridine	3.793	79	20155	3.613	ng	97
4) n-Nitrosodimethylamine	3.711	42	9066	3.733	ng	# 99
6) Aniline	7.246	93	33250	4.752	ng	99
8) 2-Chlorophenol	7.469	128	20461	3.732	ng	96
9) Benzaldehyde	7.057	77	25030	4.958	ng	95
10) Phenol	7.104	94	28182	3.927	ng	86
11) bis(2-Chloroethyl)ether	7.346	93	22022	3.944	ng	97
12) 1,3-Dichlorobenzene	7.793	146	25243	3.763	ng	96
13) 1,4-Dichlorobenzene	7.946	146	25710	3.783	ng	97
14) 1,2-Dichlorobenzene	8.257	146	24813	3.773	ng	97
15) Benzyl Alcohol	8.157	79	24871	4.323	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.446	45	23134	4.143	ng	97
17) 2-Methylphenol	8.351	107	18869	3.905	ng	98
18) Hexachloroethane	8.981	117	9768	3.708	ng	91
19) n-Nitroso-di-n-propyla...	8.722	70	21222	4.315	ng	98
20) 3+4-Methylphenols	8.681	107	25552	3.875	ng	96
22) Acetophenone	8.740	105	41684	4.041	ng	# 97
24) Nitrobenzene	9.122	77	32792	3.897	ng	98
25) Isophorone	9.646	82	58561	4.024	ng	96
26) 2-Nitrophenol	9.828	139	11202	3.492	ng	93
27) 2,4-Dimethylphenol	9.887	122	18065	4.404	ng	98
28) bis(2-Chloroethoxy)met...	10.134	93	32013	3.888	ng	97
29) 2,4-Dichlorophenol	10.357	162	23351	3.766	ng	99
30) 1,2,4-Trichlorobenzene	10.569	180	28000	3.683	ng	98
31) Naphthalene	10.757	128	74132	3.733	ng	98
32) Benzoic acid	9.951	122	11426m	2.859	ng	
33) 4-Chloroaniline	10.881	127	32231	4.389	ng	97
34) Hexachlorobutadiene	11.034	225	20068	3.562	ng	96
35) Caprolactam	11.645	113	6981	3.977	ng	97
36) 4-Chloro-3-methylphenol	11.992	107	25881	3.828	ng	98
37) 2-Methylnaphthalene	12.369	142	54243	3.947	ng	94
38) 1-Methylnaphthalene	12.587	142	52242	3.868	ng	95
40) 1,2,4,5-Tetrachloroben...	12.734	216	37826	3.706	ng	98
41) Hexachlorocyclopentadiene	12.704	237	19163	4.156	ng	98
43) 2,4,6-Trichlorophenol	12.975	196	20821	3.368	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.039	196	22602	3.330	ng	96
46) 1,1'-Biphenyl	13.381	154	79520	3.764	ng	98
47) 2-Chloronaphthalene	13.422	162	61813	3.564	ng	96
48) 2-Nitroaniline	13.634	65	16009	3.301	ng	99
49) Acenaphthylene	14.263	152	97514	4.008	ng	99
50) Dimethylphthalate	14.010	163	82455	4.069	ng	98
51) 2,6-Dinitrotoluene	14.134	165	15698	3.526	ng	92
52) Acenaphthene	14.604	154	57210	3.789	ng	98
53) 3-Nitroaniline	14.457	138	14689	3.590	ng #	95
54) 2,4-Dinitrophenol	14.663	184	5867	2.538	ng	93
55) Dibenzofuran	14.939	168	95279	3.874	ng	99
56) 4-Nitrophenol	14.757	139	10357	3.089	ng	95
57) 2,4-Dinitrotoluene	14.916	165	20435	3.503	ng #	98
58) Fluorene	15.592	166	78684	4.017	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.163	232	21725	3.805	ng #	99
60) Diethylphthalate	15.381	149	78503	3.895	ng	98
61) 4-Chlorophenyl-phenyle...	15.592	204	43845	3.982	ng	97
62) 4-Nitroaniline	15.616	138	14942m	3.484	ng	
63) Azobenzene	15.886	77	73098	3.751	ng	95
65) 4,6-Dinitro-2-methylph...	15.669	198	9624	2.784	ng	92
66) n-Nitrosodiphenylamine	15.810	169	66310	3.651	ng	97
67) 4-Bromophenyl-phenylether	16.492	248	26842	3.541	ng	98
68) Hexachlorobenzene	16.586	284	32040	3.620	ng	91
69) Atrazine	16.769	200	25863	4.292	ng	99
70) Pentachlorophenol	16.939	266	15338	2.782	ng	98
71) Phenanthrene	17.339	178	123210	3.861	ng	99
72) Anthracene	17.427	178	121772	3.825	ng	99
73) Carbazole	17.704	167	101130	3.497	ng	99
74) Di-n-butylphthalate	18.269	149	115185	3.294	ng	99
75) Fluoranthene	19.304	202	131704	3.379	ng	99
77) Benzidine	19.498	184	50427	5.784	ng	99
78) Pyrene	19.657	202	134708	4.577	ng	98
80) Butylbenzylphthalate	20.551	149	35525	3.232	ng	96
81) Benzo(a)anthracene	21.368	228	109892	3.744	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	35373	3.307	ng	98
83) Chrysene	21.421	228	100827	3.618	ng	98
84) Bis(2-ethylhexyl)phtha...	21.321	149	45795	2.736	ng	99
85) Di-n-octyl phthalate	22.263	149	64800	2.201	ng #	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	118049	3.720	ng #	90
88) Benzo(b)fluoranthene	23.062	252	94948m	3.634	ng	
89) Benzo(k)fluoranthene	23.115	252	84431	3.383	ng	98
90) Benzo(a)pyrene	23.692	252	80234	3.451	ng	98
91) Dibenzo(a,h)anthracene	26.351	278	100145	3.837	ng	99
92) Benzo(g,h,i)perylene	27.092	276	97762	3.692	ng	99

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

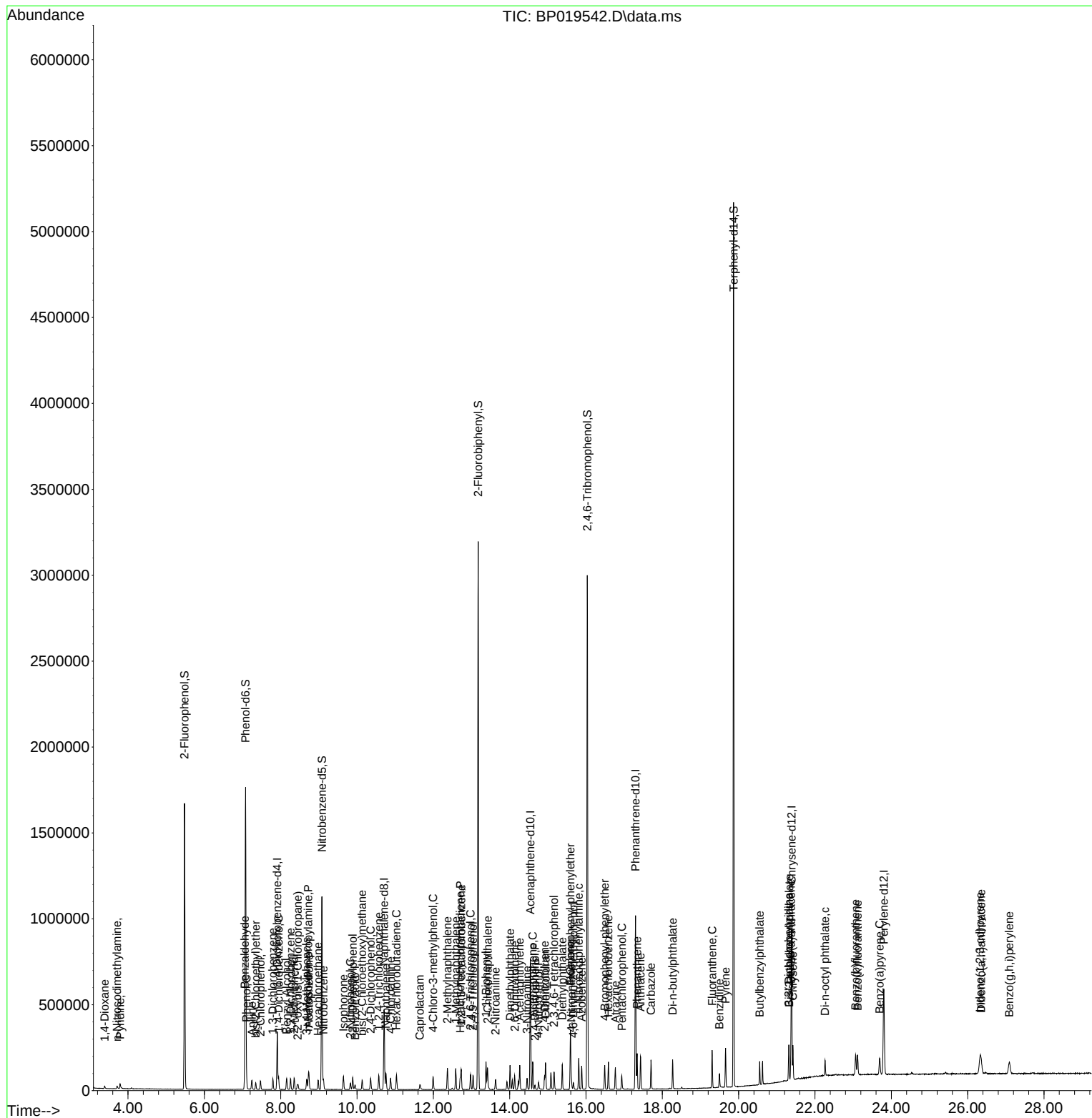
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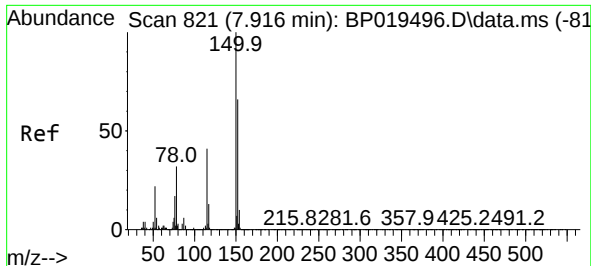
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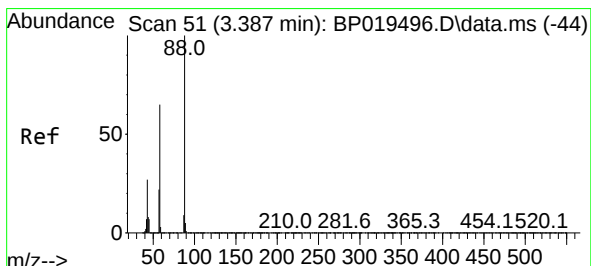
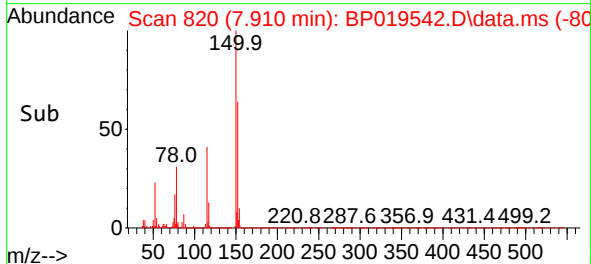
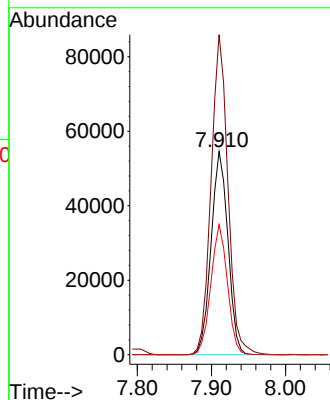
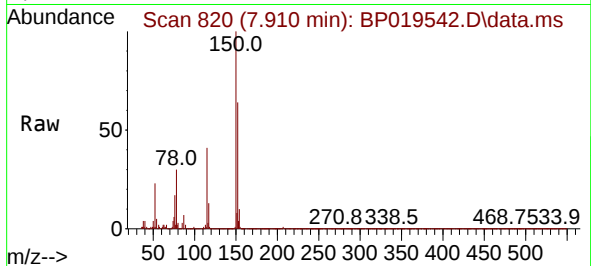
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:152 Resp: 8608
Ion Ratio Lower Upper
152 100
150 157.4 121.8 182.8
115 64.0 49.9 74.9

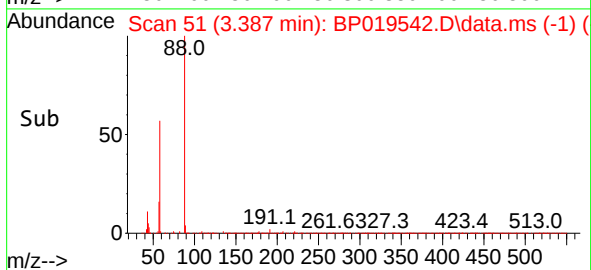
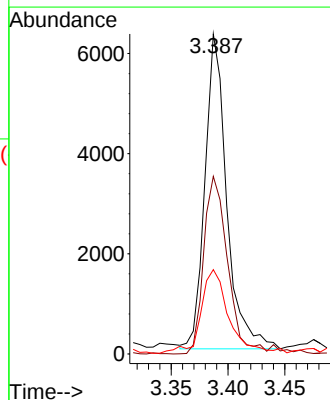
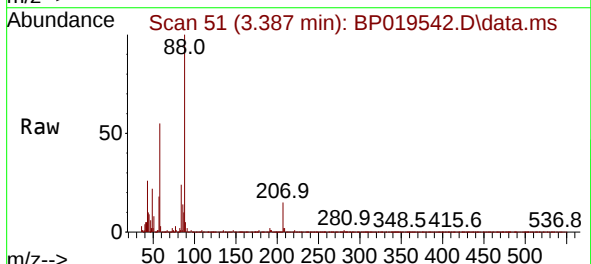
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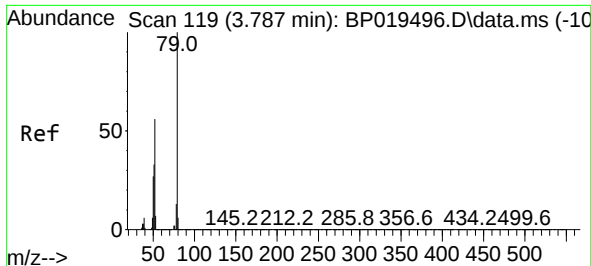
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Supervised By :mohammad ahmed 02/06/2024



#2
1,4-Dioxane
Concen: 4.092 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 88 Resp: 8419
Ion Ratio Lower Upper
88 100
58 61.3 52.6 78.8
43 33.6 21.9 32.9





#3

Pyridine

Concen: 3.613 ng

RT: 3.793 min Scan# 119

Delta R.T. 0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

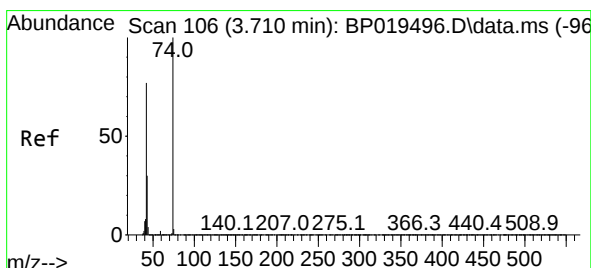
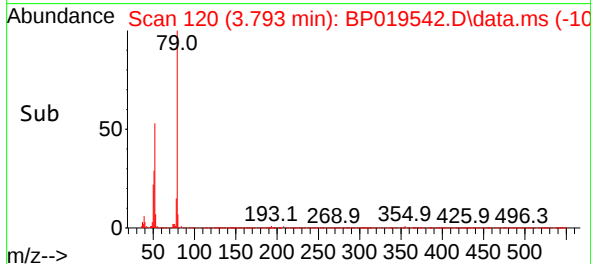
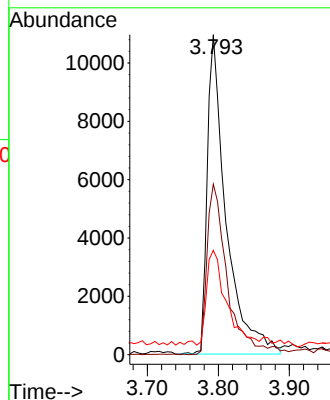
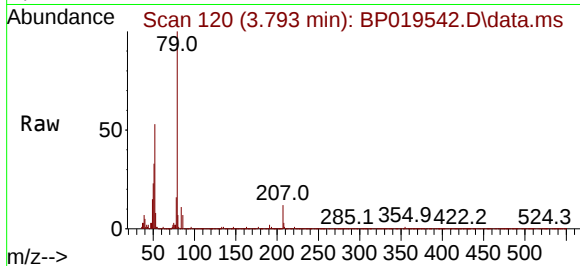
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 79	Resp: 2015
Ion Ratio	Lower Upper
79 100	
52 53.3	45.0 67.6
51 32.6	26.8 40.2

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 3.733 ng

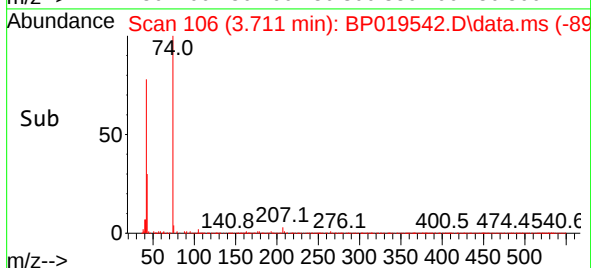
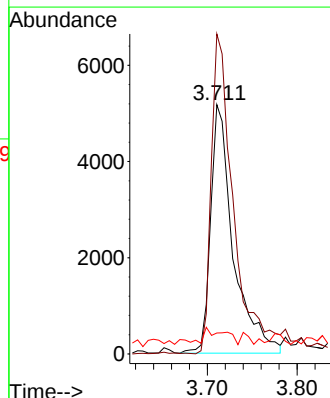
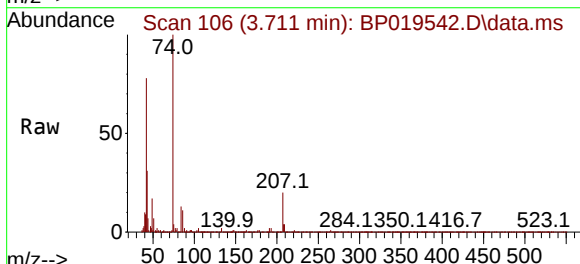
RT: 3.711 min Scan# 106

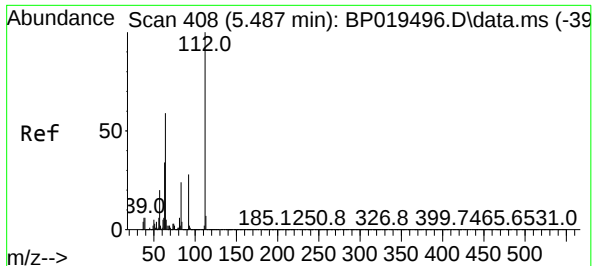
Delta R.T. 0.000 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion: 42	Resp: 9066
Ion Ratio	Lower Upper
42 100	
74 128.4	103.4 155.2
44 8.4	4.8 7.2





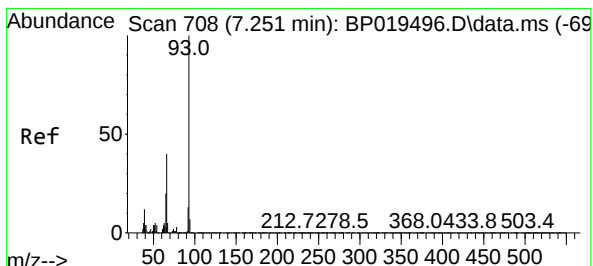
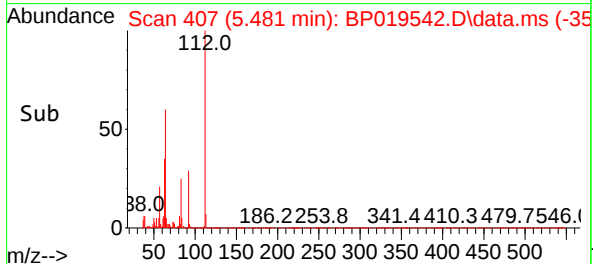
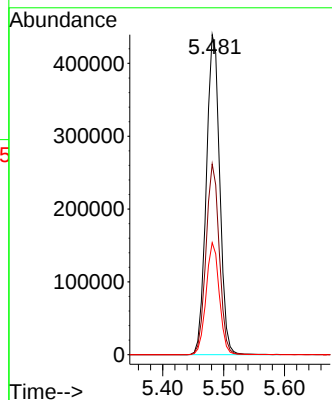
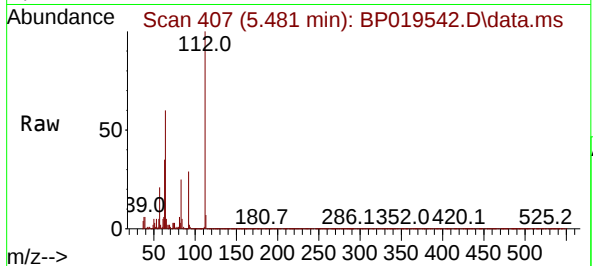
#5
2-Fluorophenol
Concen: 125.802 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019542.D
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LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:112 Resp: 67183
Ion Ratio Lower Upper
112 100
64 59.6 47.4 71.0
63 35.0 27.0 40.6

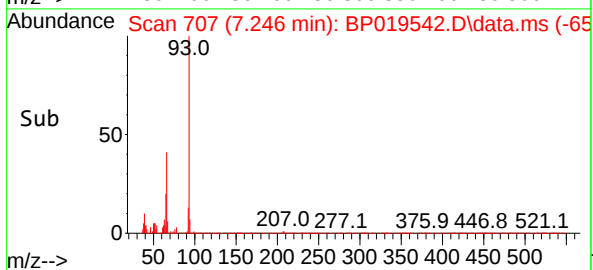
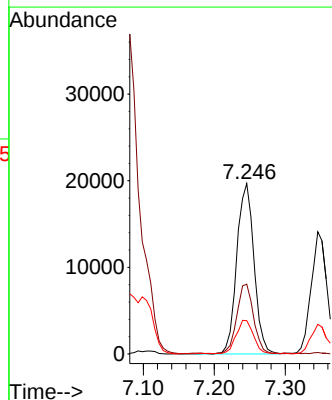
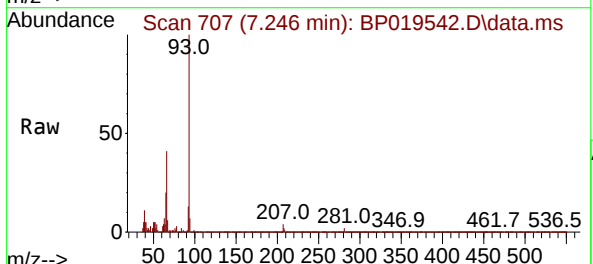
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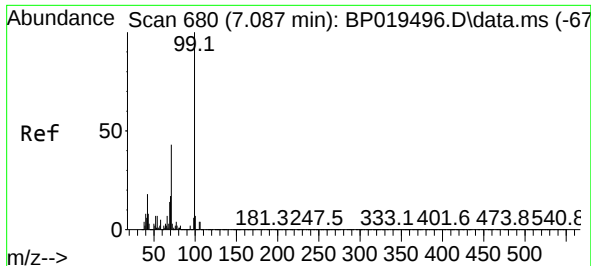
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#6
Aniline
Concen: 4.752 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019542.D
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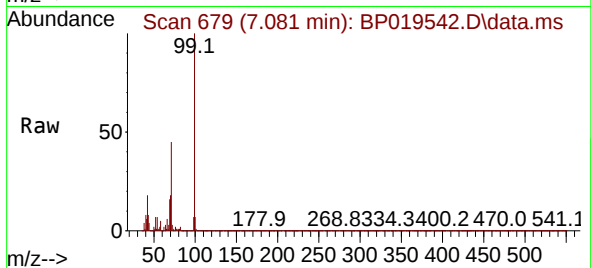
Tgt Ion: 93 Resp: 33250
Ion Ratio Lower Upper
93 100
66 40.9 32.3 48.5
65 19.5 16.4 24.6





#7
Phenol-d6
Concen: 129.822 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
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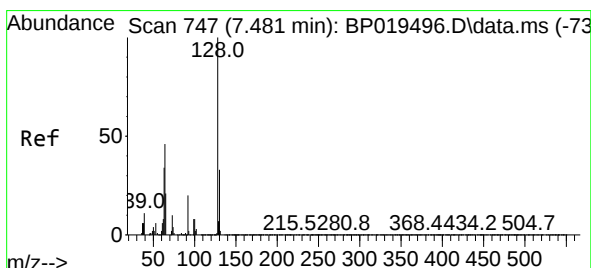
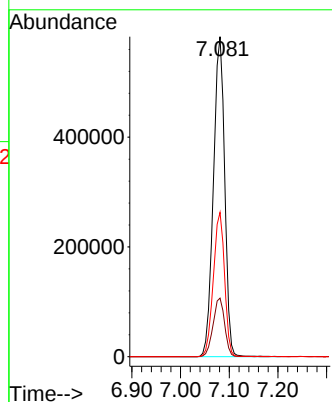
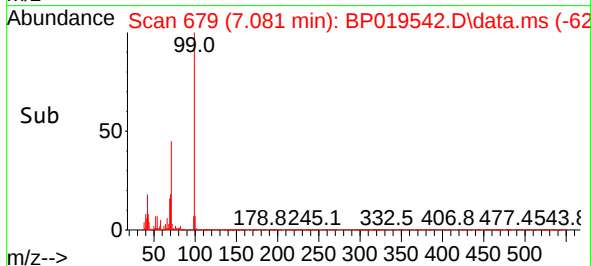
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Tgt Ion: 99 Resp: 93482
Ion Ratio Lower Upper
99 100
42 18.3 14.7 22.1
71 45.1 34.8 52.2

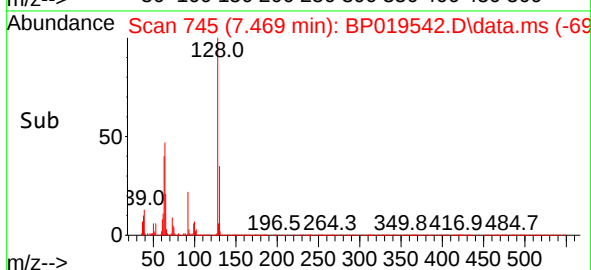
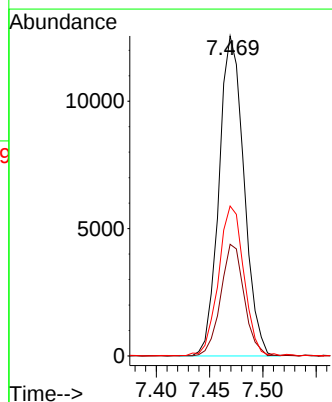
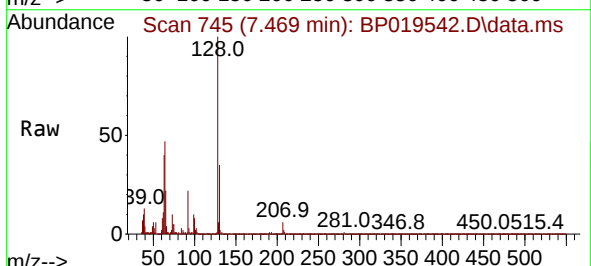
Manual Integrations
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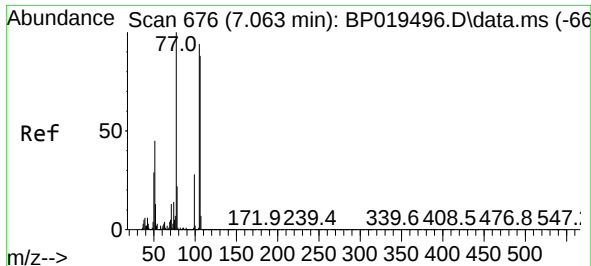
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Supervised By :mohammad ahmed 02/06/2024



#8
2-Chlorophenol
Concen: 3.732 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BP019542.D
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Tgt Ion:128 Resp: 20461
Ion Ratio Lower Upper
128 100
130 34.9 13.3 53.3
64 46.8 29.7 69.7





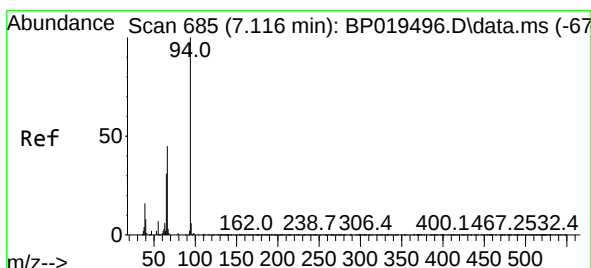
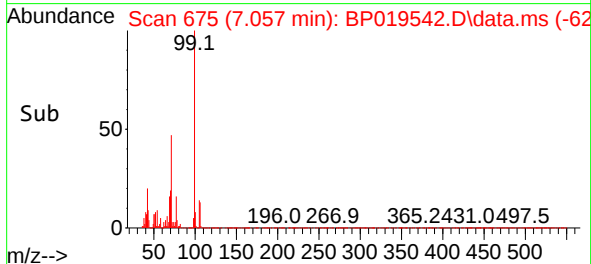
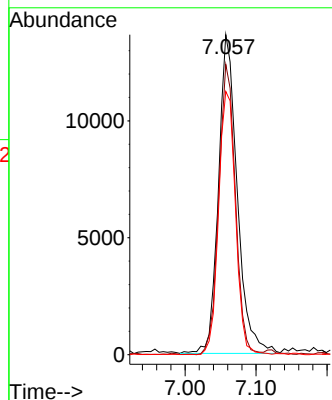
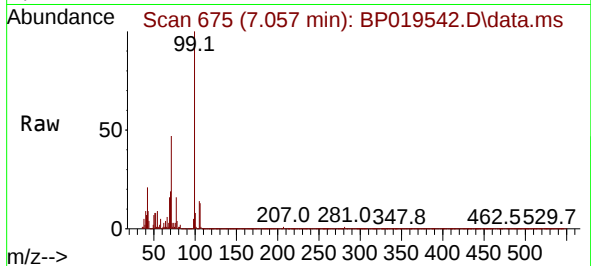
#9
Benzaldehyde
Concen: 4.958 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.006 min
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 77 Resp: 25030
Ion Ratio Lower Upper
77 100
105 90.7 74.0 114.0
106 82.2 67.8 107.8

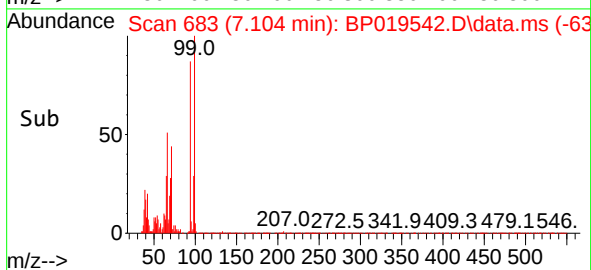
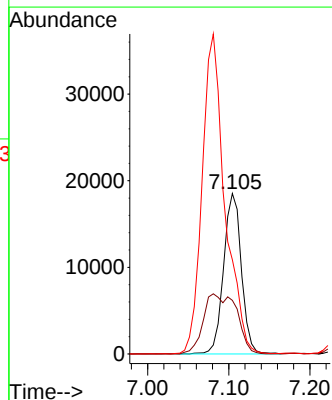
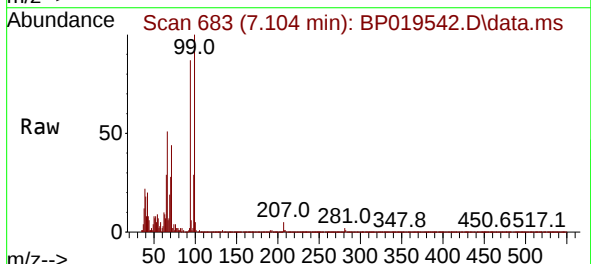
Manual Integrations
APPROVED

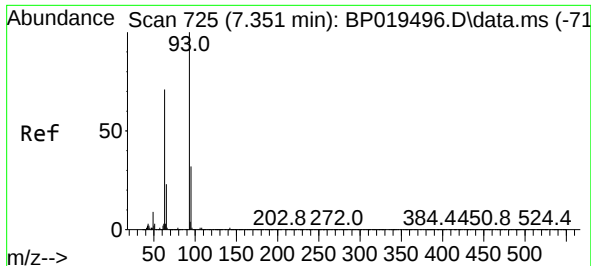
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#10
Phenol
Concen: 3.927 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

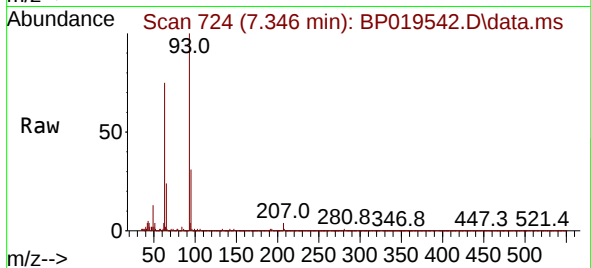
Tgt Ion: 94 Resp: 28182
Ion Ratio Lower Upper
94 100
65 33.4 11.3 51.3
66 58.8 25.1 65.1





#11
bis(2-Chloroethyl)ether
Concen: 3.944 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

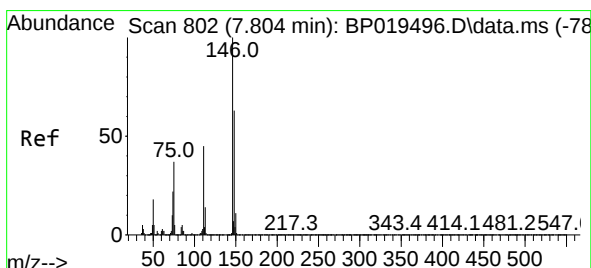
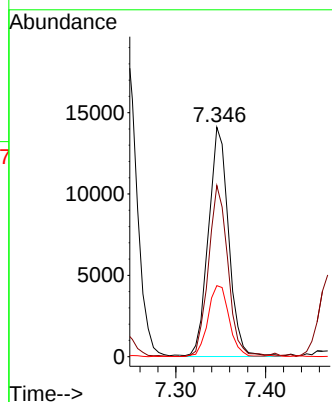
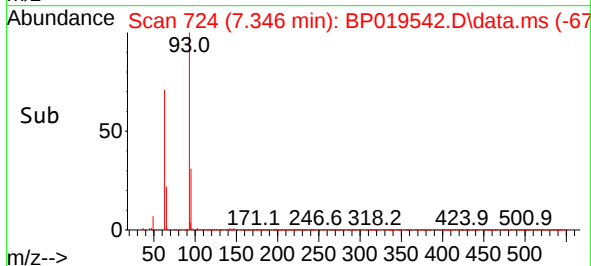
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



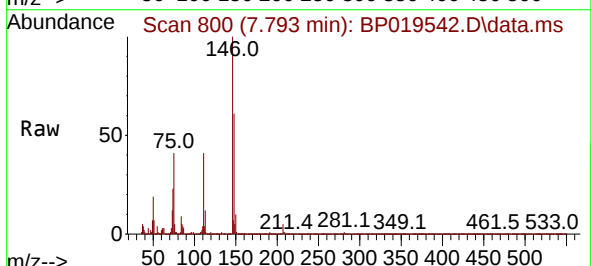
Tgt Ion: 93 Resp: 2202
Ion Ratio Lower Upper
93 100
63 74.6 51.2 91.2
95 31.0 11.8 51.8

Manual Integrations
APPROVED

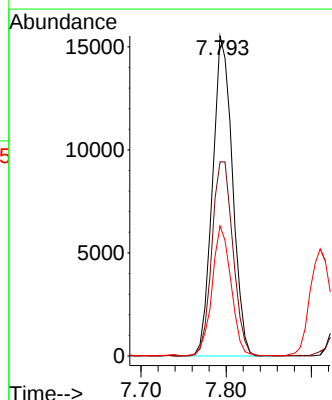
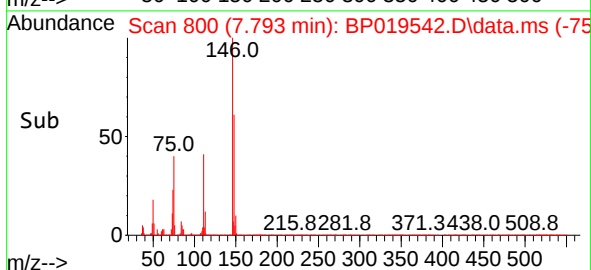
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

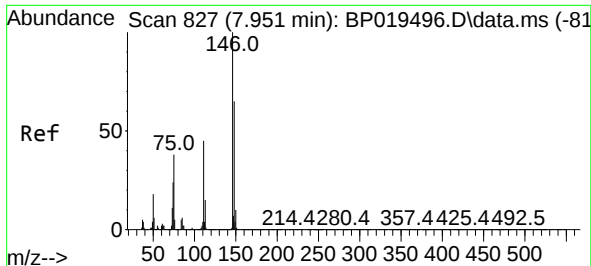


#12
1,3-Dichlorobenzene
Concen: 3.763 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



Tgt Ion:146 Resp: 25243
Ion Ratio Lower Upper
146 100
148 60.7 50.4 75.6
75 40.6 29.9 44.9





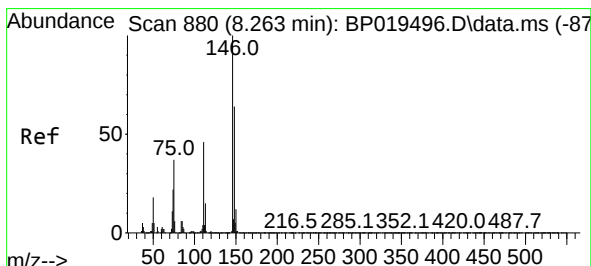
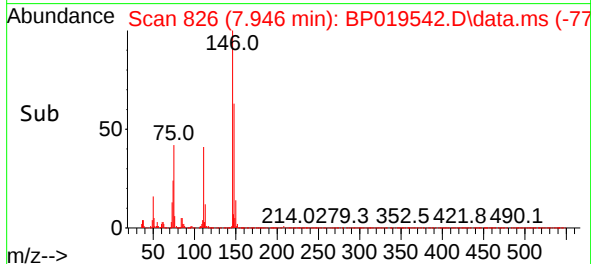
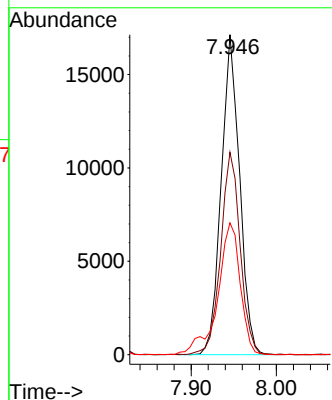
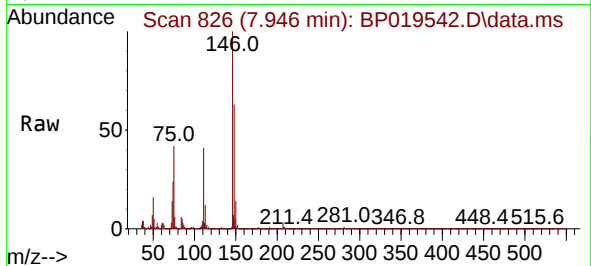
#13
1,4-Dichlorobenzene
Concen: 3.783 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:146 Resp: 25710
Ion Ratio Lower Upper
146 100
148 63.3 51.9 77.9
111 41.2 35.8 53.6

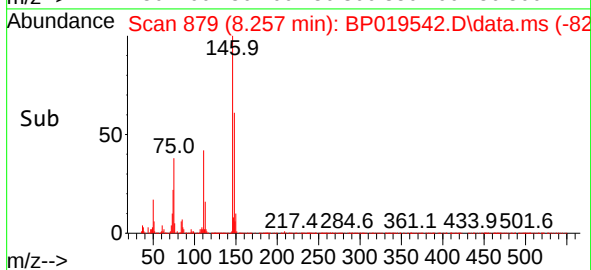
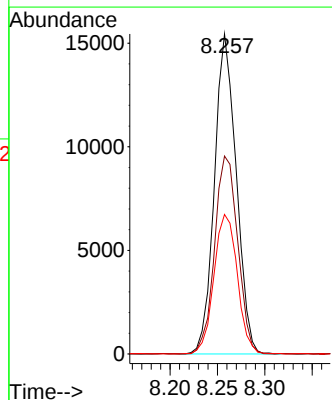
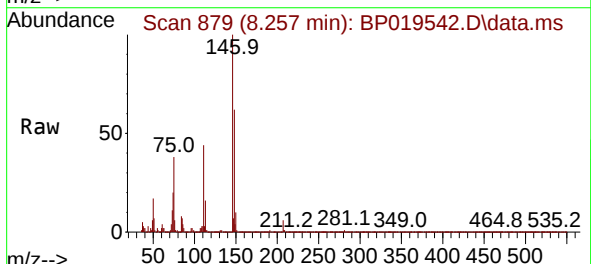
Manual Integrations
APPROVED

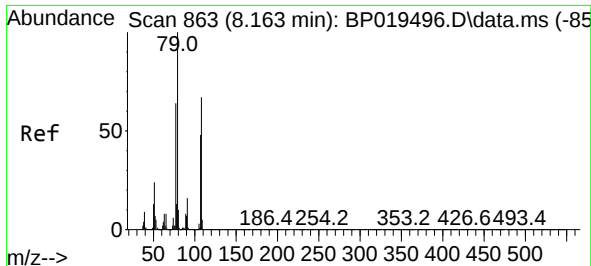
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#14
1,2-Dichlorobenzene
Concen: 3.773 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:146 Resp: 24813
Ion Ratio Lower Upper
146 100
148 61.9 51.4 77.0
111 43.6 37.0 55.6





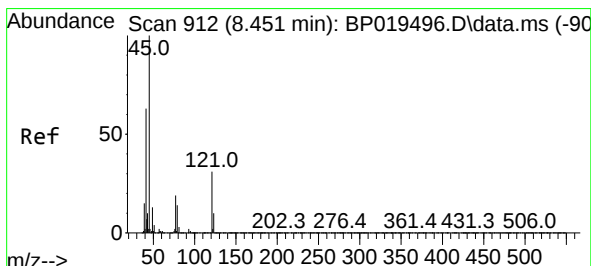
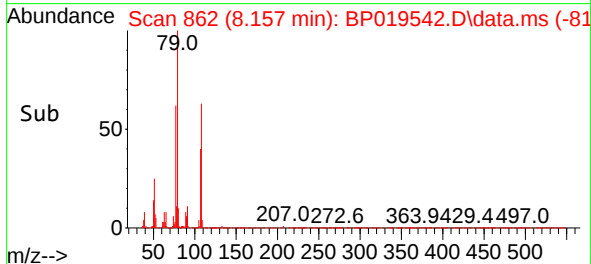
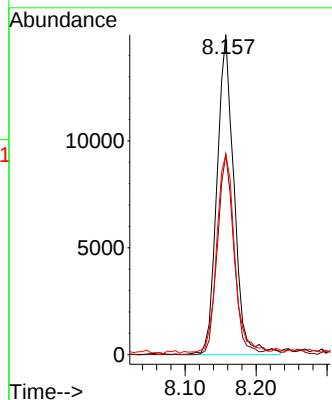
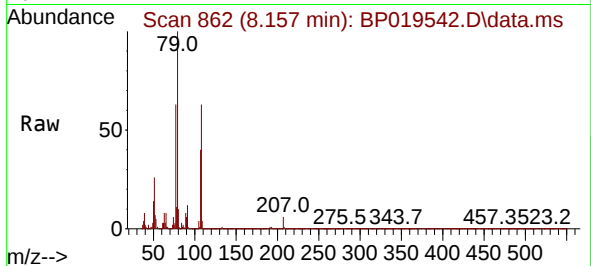
#15
Benzyl Alcohol
Concen: 4.323 ng
RT: 8.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 79 Resp: 2487
Ion Ratio Lower Upper
79 100
108 62.6 53.8 80.6
77 62.5 51.3 76.9

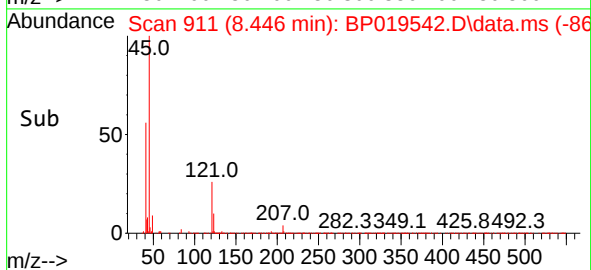
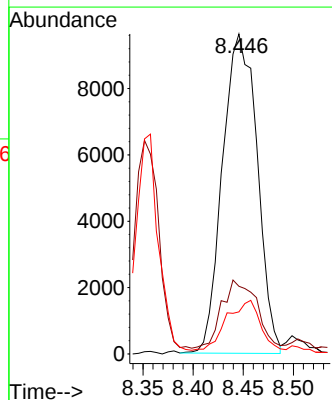
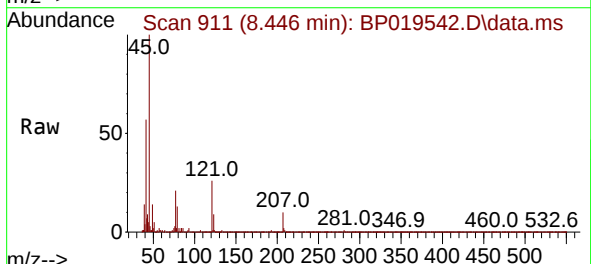
Manual Integrations
APPROVED

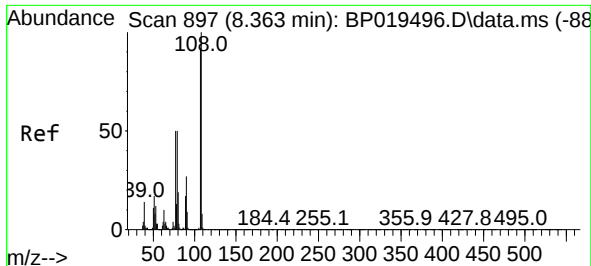
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.143 ng
RT: 8.446 min Scan# 911
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 45 Resp: 23134
Ion Ratio Lower Upper
45 100
77 21.1 0.8 40.8
79 13.2 0.0 35.5





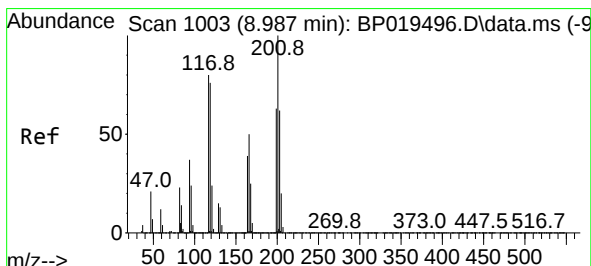
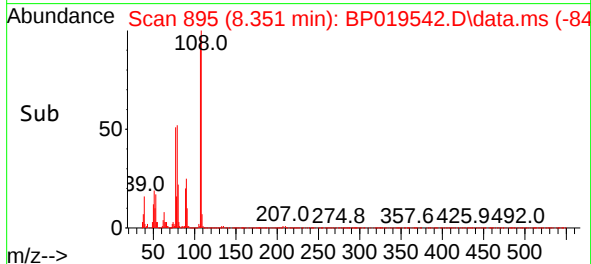
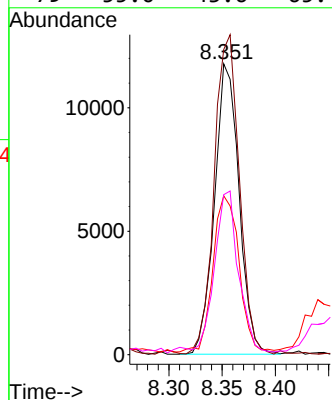
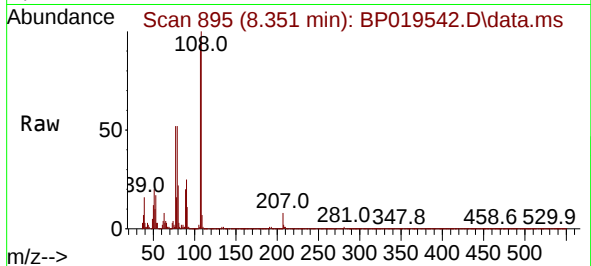
#17
2-Methylphenol
Concen: 3.905 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	107	Resp:	1886
Ion Ratio	Lower	Upper	
107	100		
108	104.9	87.0	130.6
77	54.6	43.5	65.3
79	55.0	43.6	65.4

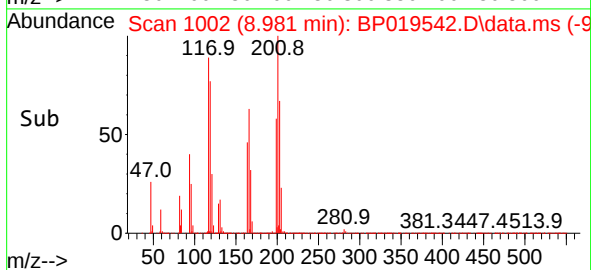
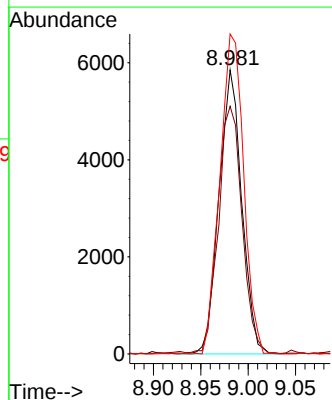
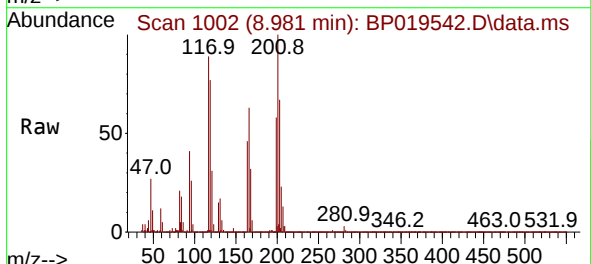
Manual Integrations
APPROVED

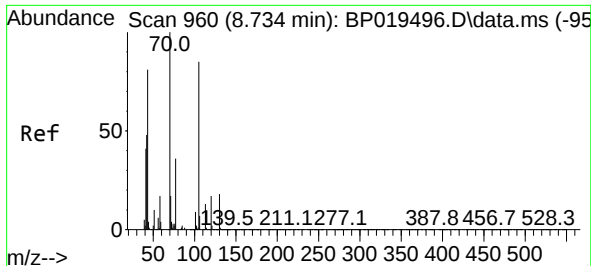
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#18
Hexachloroethane
Concen: 3.708 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

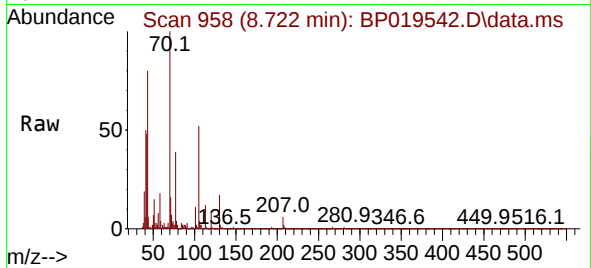
Tgt Ion:	117	Resp:	9768
Ion Ratio	Lower	Upper	
117	100		
119	87.2	75.5	113.3
201	112.7	99.4	149.2





#19
n-Nitroso-di-n-propylamine
Concen: 4.315 ng
RT: 8.722 min Scan# 911
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

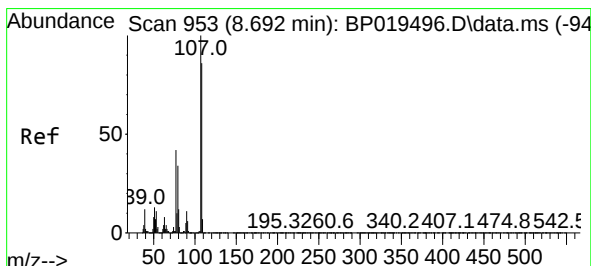
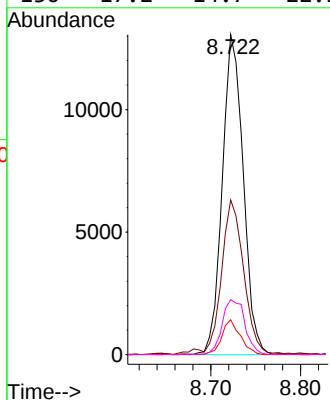
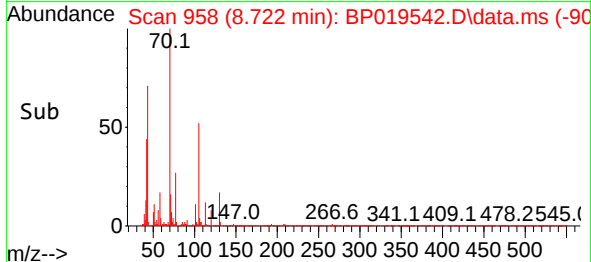
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



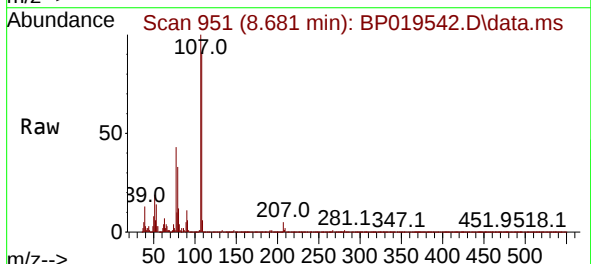
Tgt Ion: 70 Resp: 2122
Ion Ratio Lower Upper
70 100
42 48.4 39.2 58.8
101 10.9 7.3 10.9
130 17.2 14.7 22.1

Manual Integrations
APPROVED

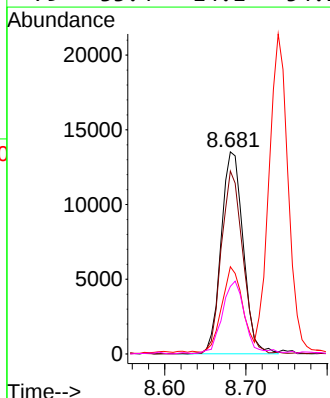
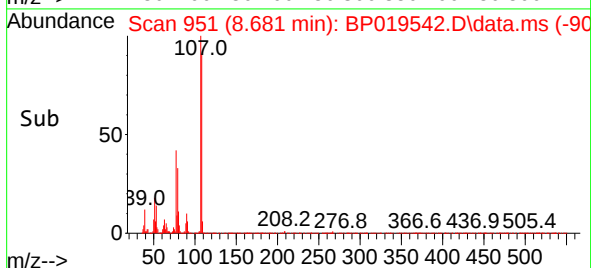
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

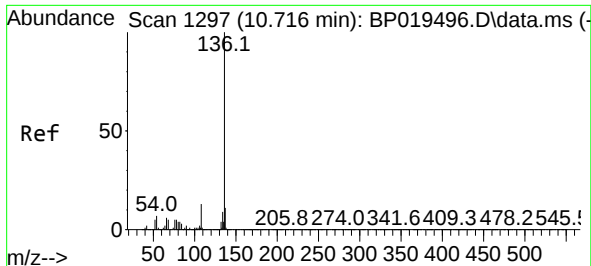


#20
3+4-Methylphenols
Concen: 3.875 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



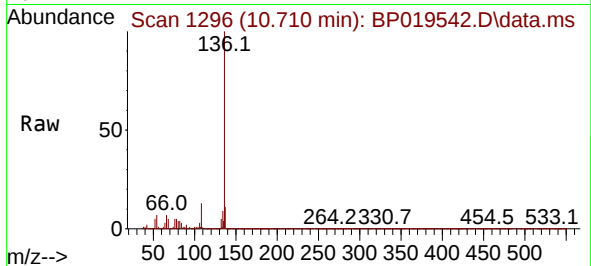
Tgt Ion:107 Resp: 25552
Ion Ratio Lower Upper
107 100
108 90.5 65.5 105.5
77 43.2 21.8 61.8
79 33.4 14.1 54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

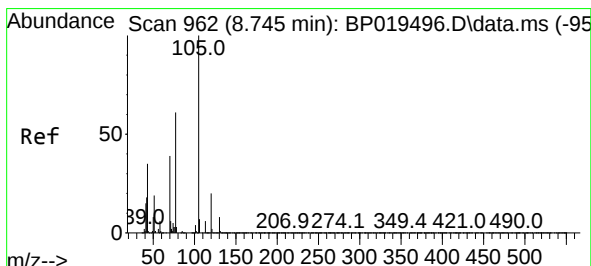
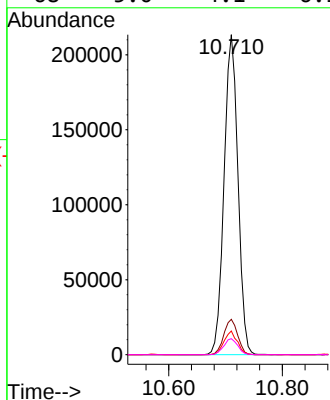
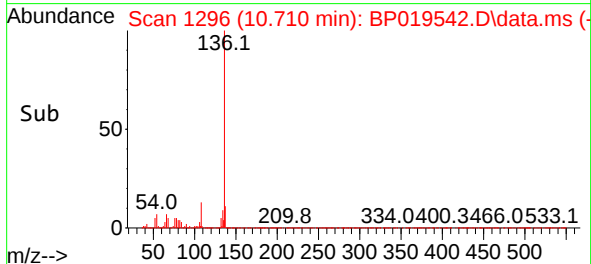


Tgt Ion:136 Resp: 36209

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	5.3	7.9
68	5.0	4.1	6.1

Manual Integrations
APPROVED

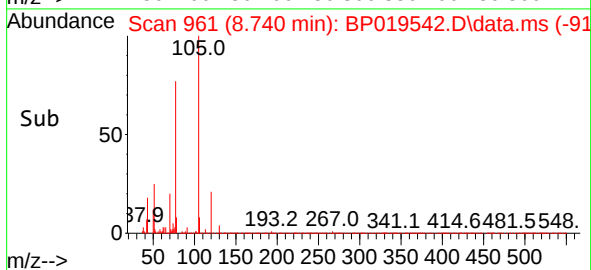
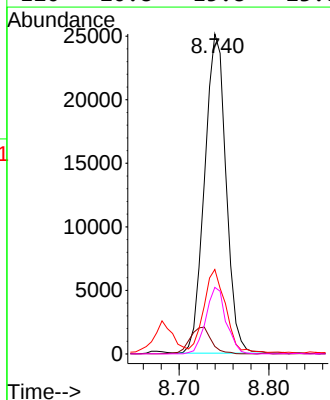
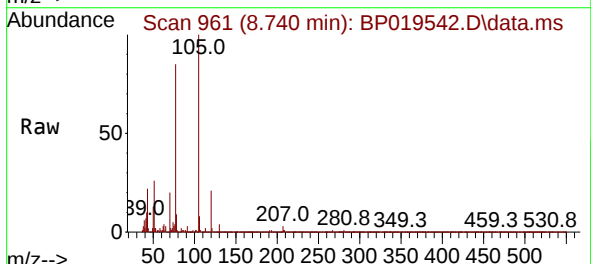
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

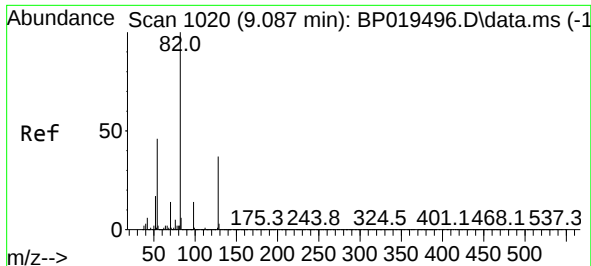


#22
Acetophenone
Concen: 4.041 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:105 Resp: 41684

Ion	Ratio	Lower	Upper
105	100		
71	2.4	4.9	7.3
51	26.4	20.7	31.1
120	20.8	15.8	23.8





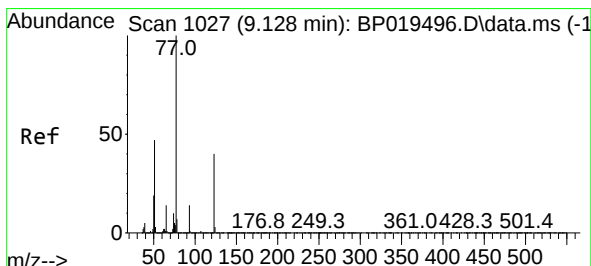
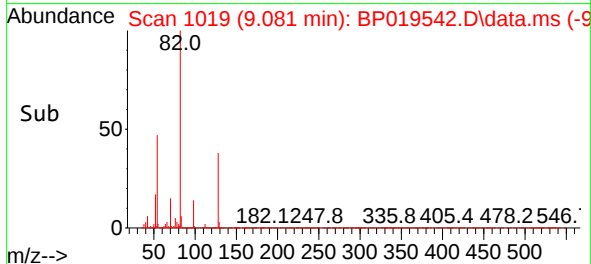
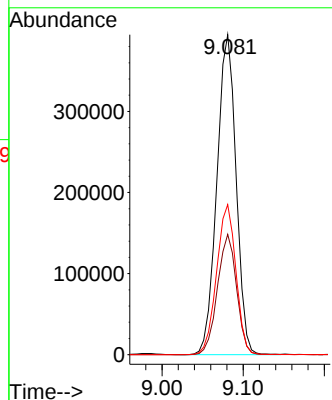
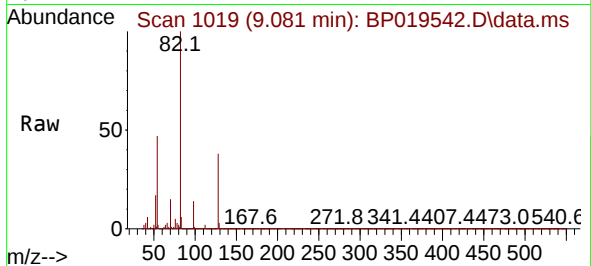
#23
Nitrobenzene-d5
Concen: 77.887 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 82 Resp: 650850
Ion Ratio Lower Upper
82 100
128 37.6 29.7 44.5
54 46.9 36.8 55.2

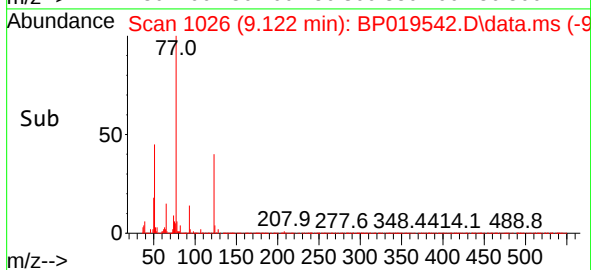
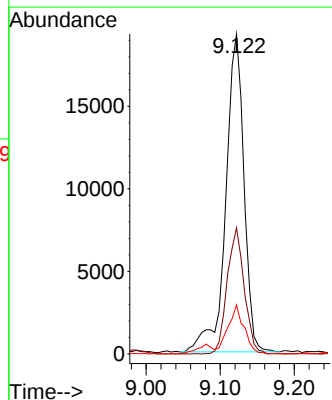
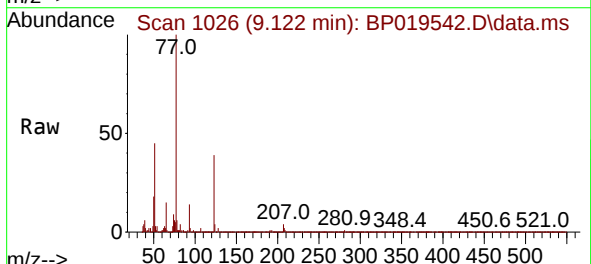
Manual Integrations
APPROVED

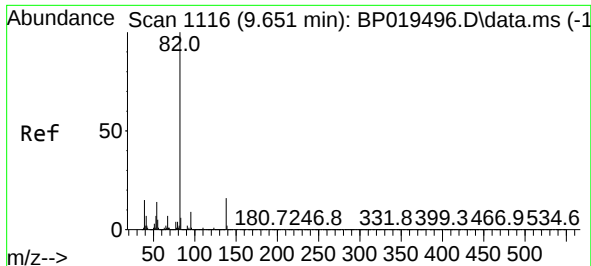
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#24
Nitrobenzene
Concen: 3.897 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 77 Resp: 32792
Ion Ratio Lower Upper
77 100
123 39.4 32.3 48.5
65 15.3 11.6 17.4





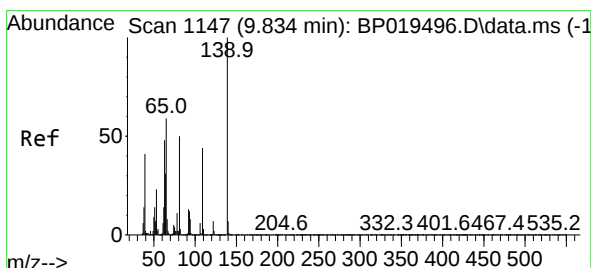
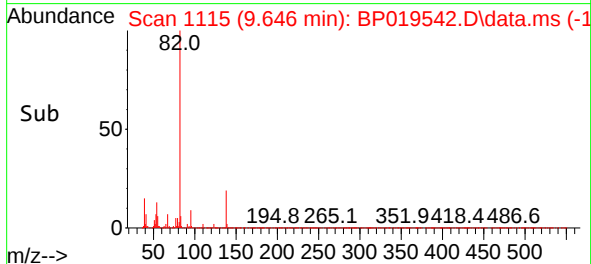
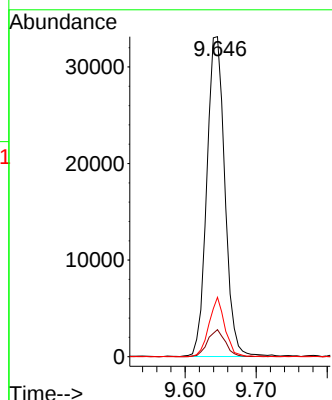
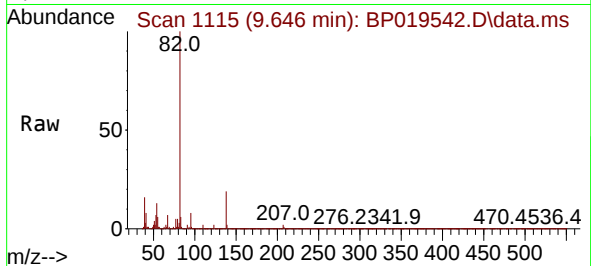
#25
Isophorone
Concen: 4.024 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 82 Resp: 5856
Ion Ratio Lower Upper
82 100
95 8.5 7.0 10.4
138 18.6 13.1 19.7

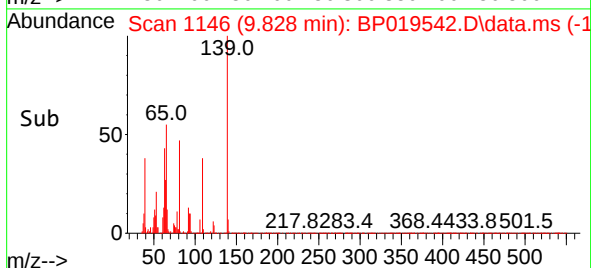
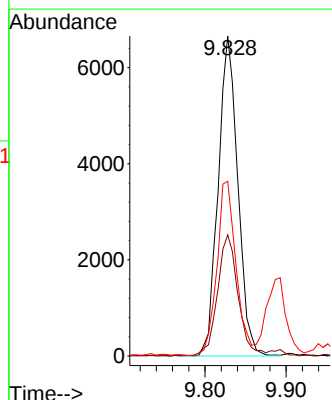
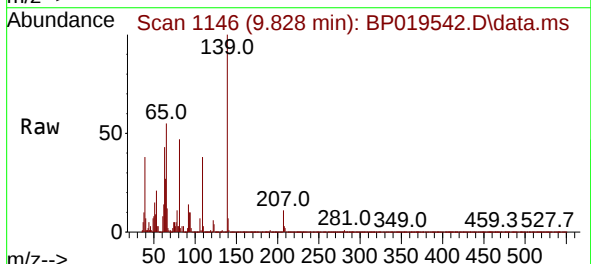
Manual Integrations
APPROVED

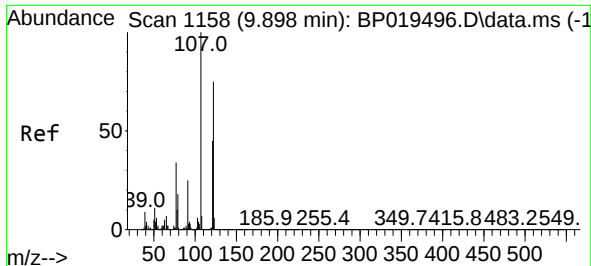
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#26
2-Nitrophenol
Concen: 3.492 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

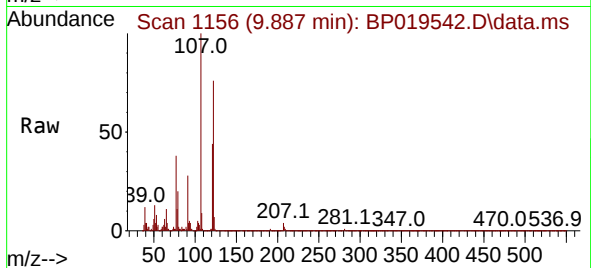
Tgt Ion:139 Resp: 11202
Ion Ratio Lower Upper
139 100
109 37.9 34.9 52.3
65 54.6 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 4.404 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

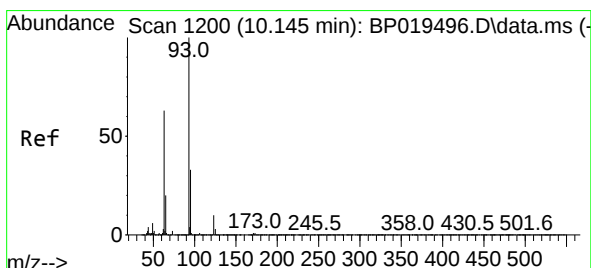
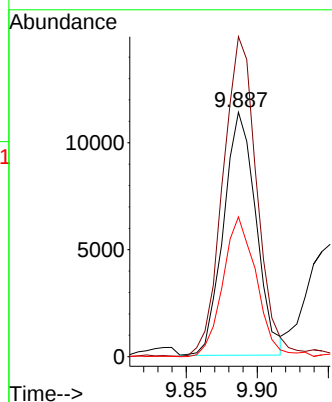
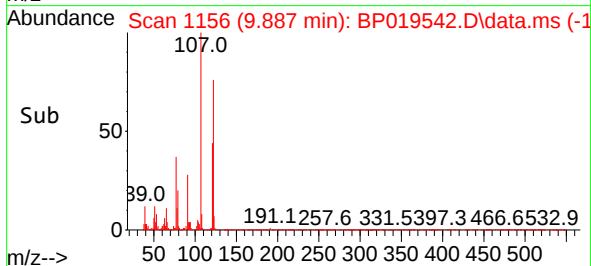
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



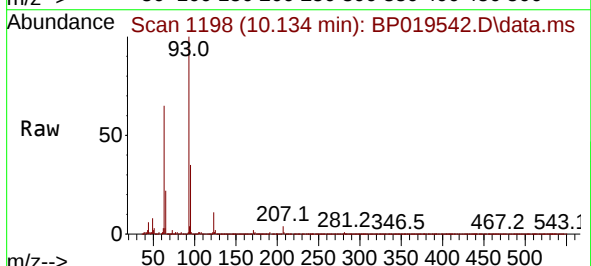
Tgt Ion:122 Resp: 1806
Ion Ratio Lower Upper
122 100
107 130.9 105.9 158.9
121 57.2 47.5 71.3

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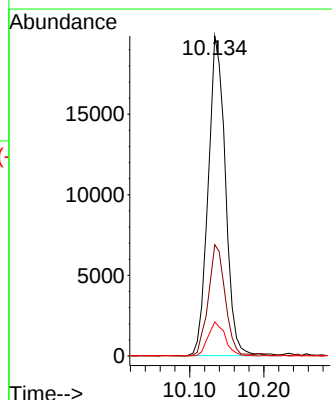
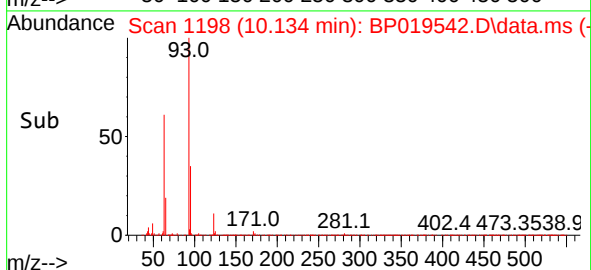
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

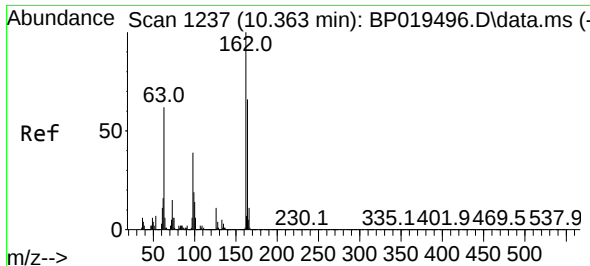


#28
bis(2-Chloroethoxy)methane
Concen: 3.888 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



Tgt Ion: 93 Resp: 32013
Ion Ratio Lower Upper
93 100
95 34.7 26.2 39.4
123 10.6 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 3.766 ng

RT: 10.357 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

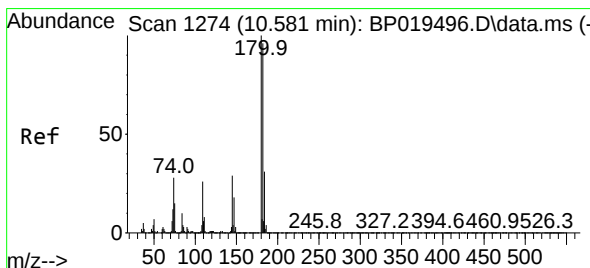
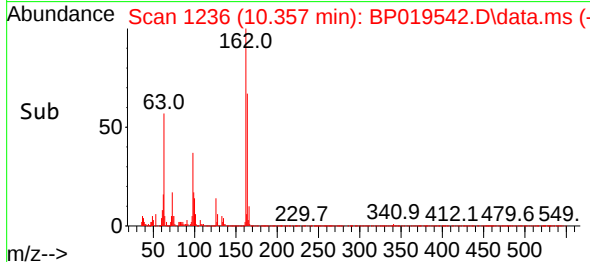
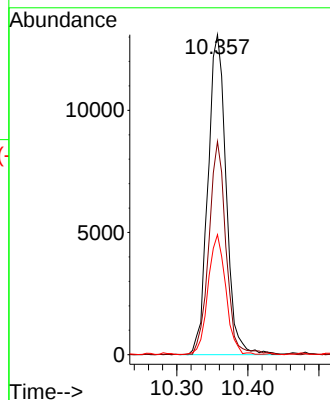
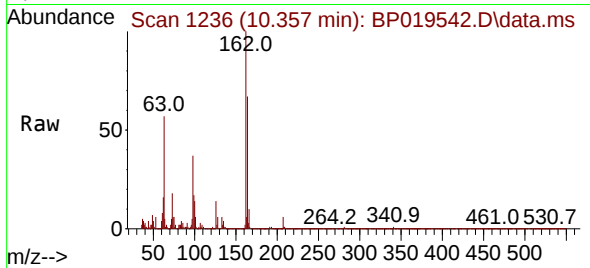
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	162	Resp:	2335
Ion Ratio	Lower	Upper	
162	100		
164	66.6	46.0	86.0
98	37.5	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: 3.683 ng

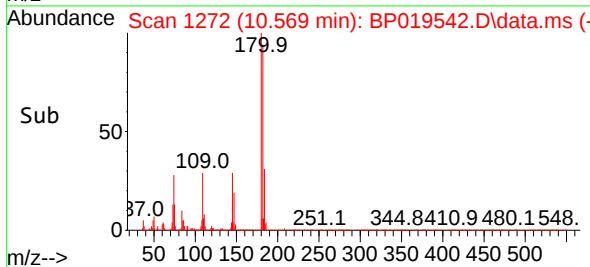
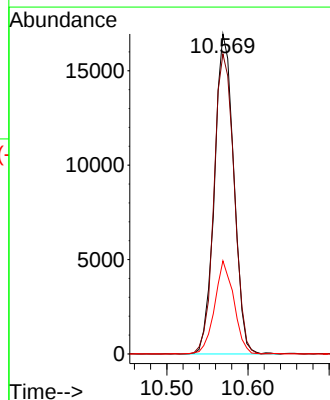
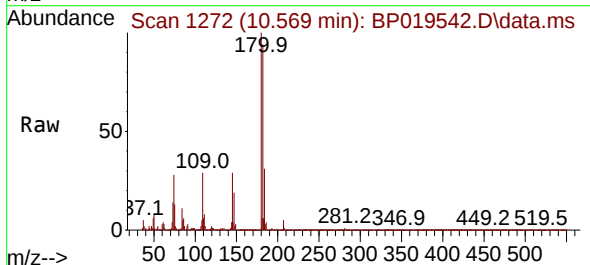
RT: 10.569 min Scan# 1272

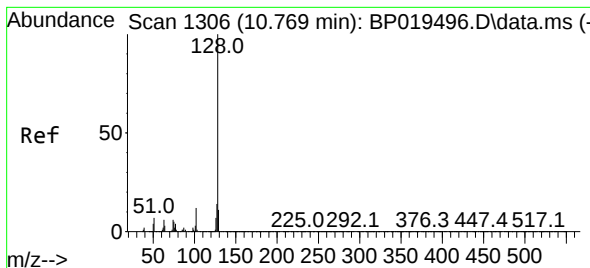
Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

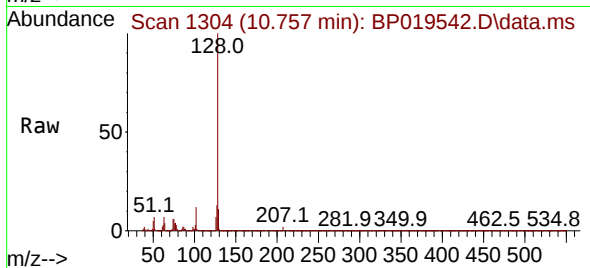
Tgt Ion:	180	Resp:	28000
Ion Ratio	Lower	Upper	
180	100		
182	93.8	77.0	115.6
145	29.1	23.2	34.8





#31
Naphthalene
Concen: 3.733 ng
RT: 10.757 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

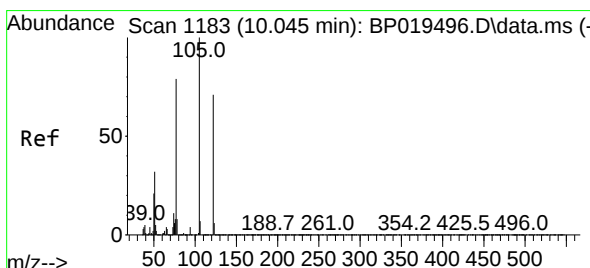
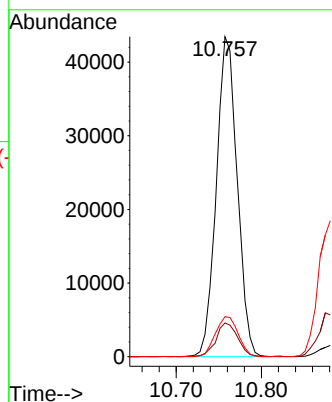
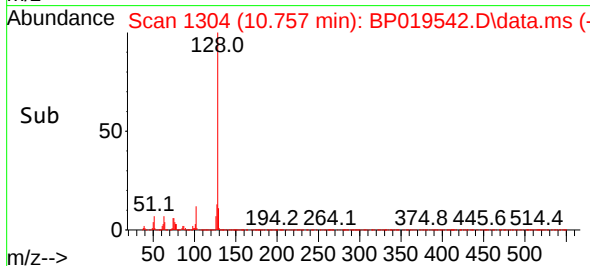
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:128 Resp: 7413
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.5 10.8 16.2

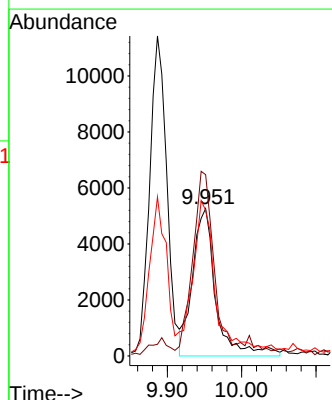
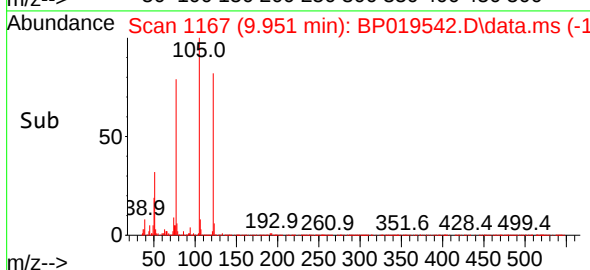
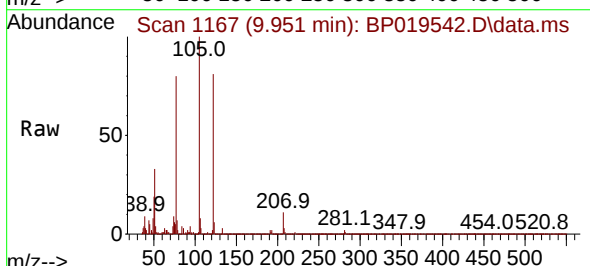
Manual Integrations
APPROVED

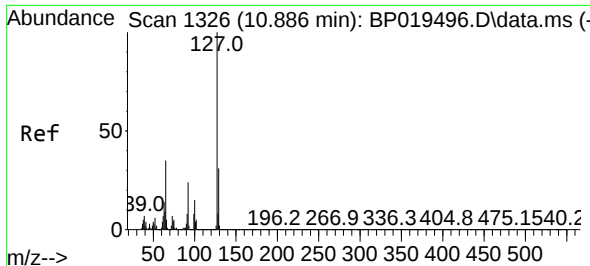
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#32
Benzoic acid
Concen: 2.859 ng m
RT: 9.951 min Scan# 1167
Delta R.T. -0.094 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:122 Resp: 11426
Ion Ratio Lower Upper
122 100
105 123.0 118.8 158.8
77 98.8 91.7 131.7





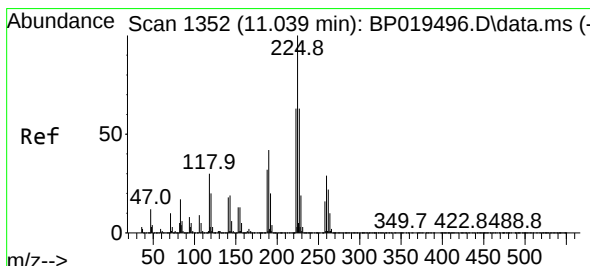
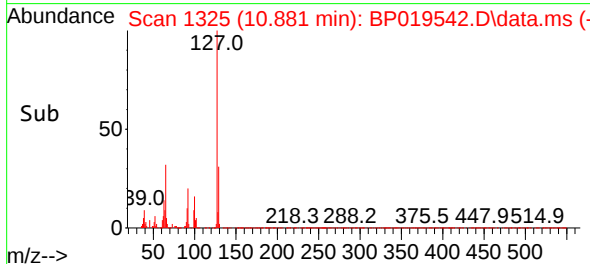
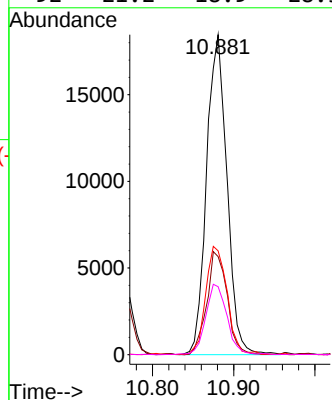
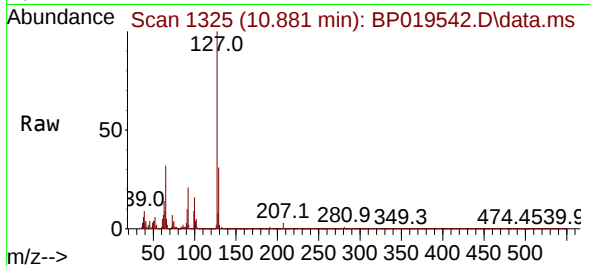
#33
4-Chloroaniline
Concen: 4.389 ng
RT: 10.881 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.7	24.6	36.8
65	32.5	28.2	42.4
92	21.2	18.9	28.3

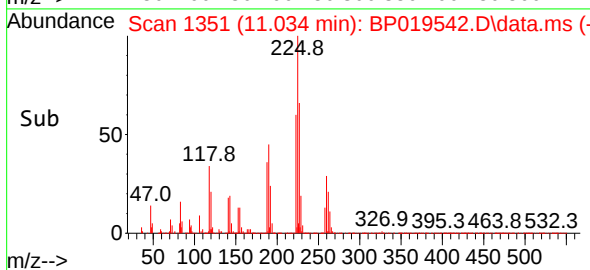
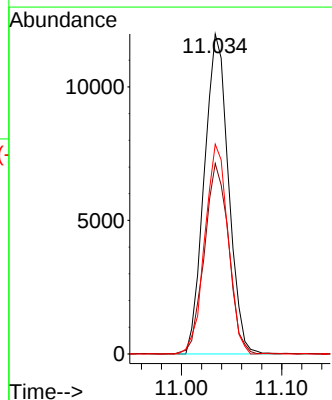
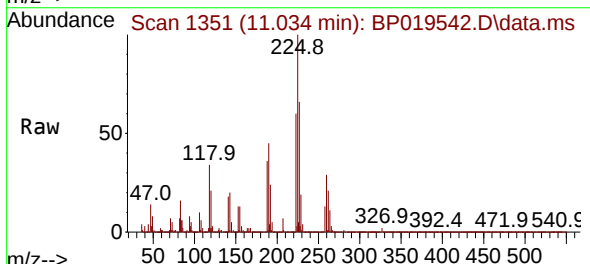
Manual Integrations
APPROVED

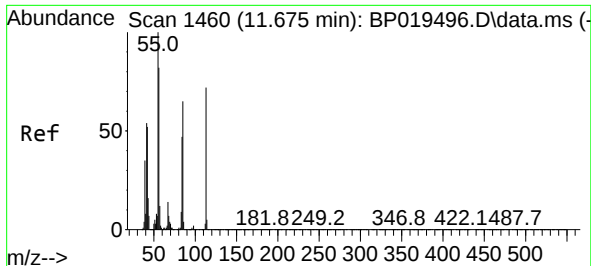
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#34
Hexachlorobutadiene
Concen: 3.562 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

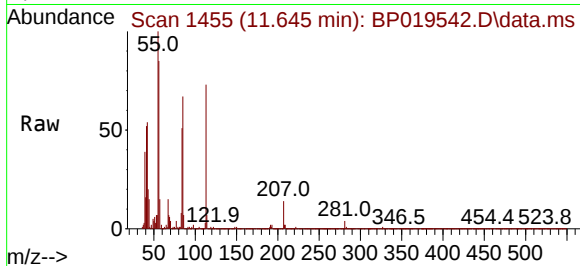
Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	50.5	75.7
227	65.5	50.2	75.2





#35
Caprolactam
Concen: 3.977 ng
RT: 11.645 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

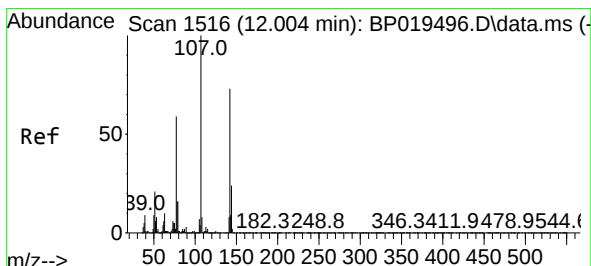
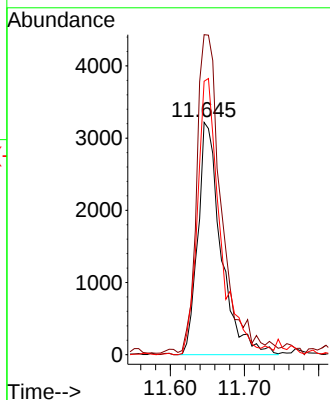
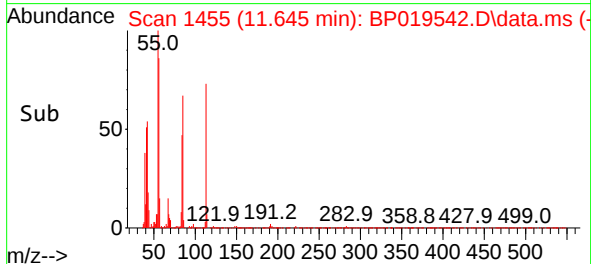
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



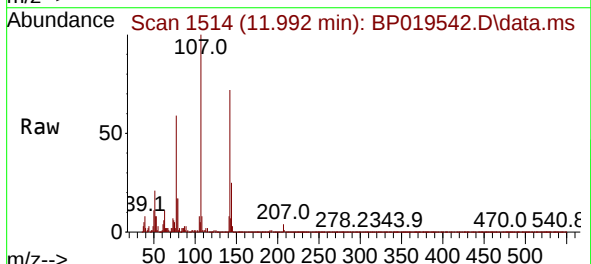
Tgt Ion:113 Resp: 698
Ion Ratio Lower Upper
113 100
55 137.7 120.0 160.0
56 117.6 94.0 134.0

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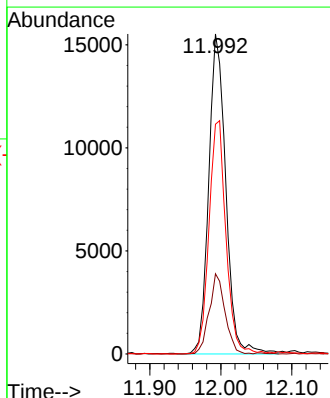
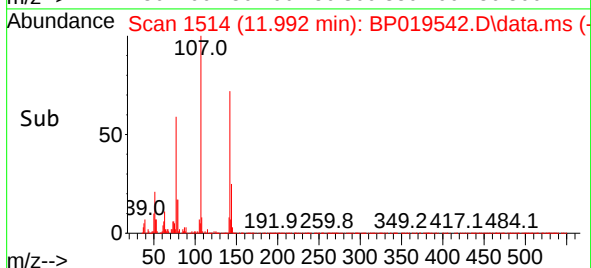
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

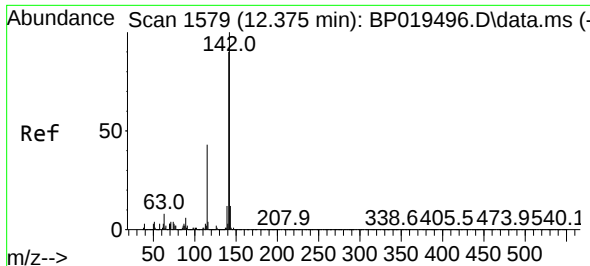


#36
4-Chloro-3-methylphenol
Concen: 3.828 ng
RT: 11.992 min Scan# 1514
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



Tgt Ion:107 Resp: 25881
Ion Ratio Lower Upper
107 100
144 25.0 19.0 28.4
142 71.8 58.6 88.0





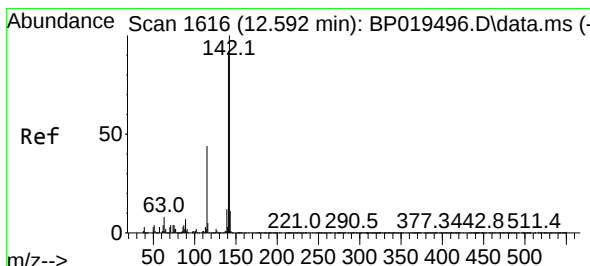
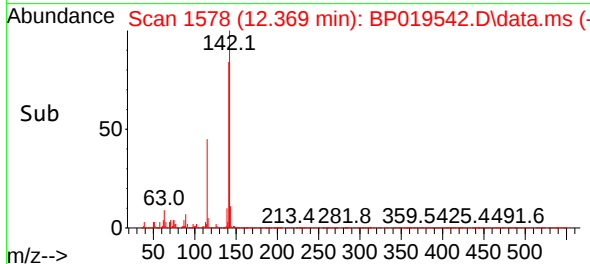
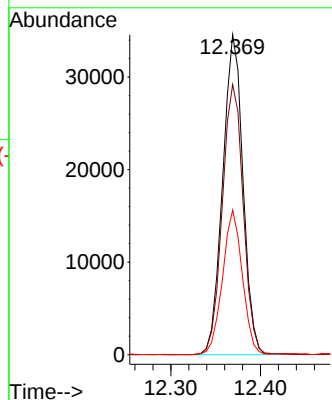
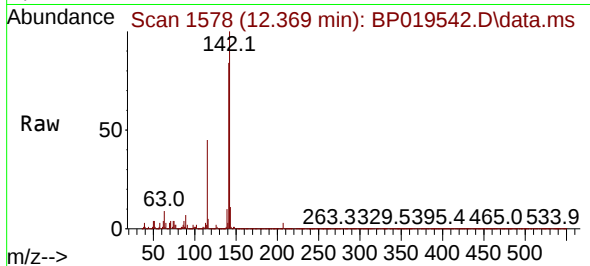
#37
2-Methylnaphthalene
Concen: 3.947 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:142 Resp: 5424
Ion Ratio Lower Upper
142 100
141 84.4 72.2 108.4
115 45.2 34.2 51.2

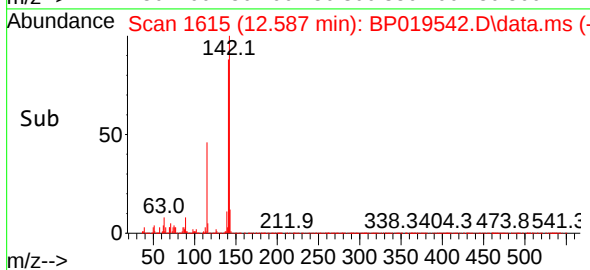
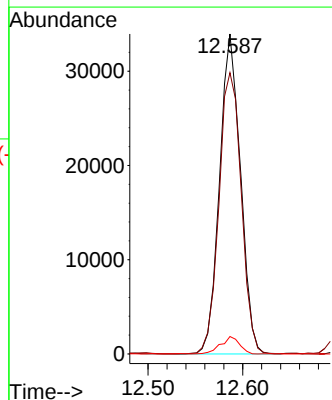
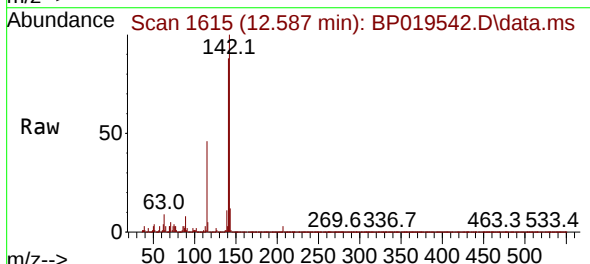
Manual Integrations
APPROVED

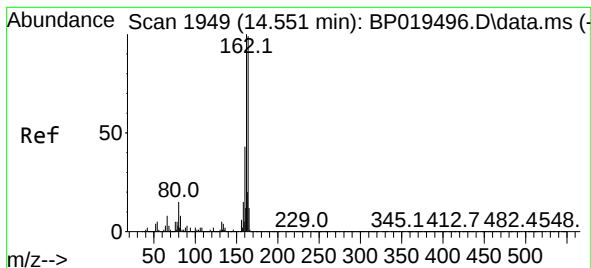
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#38
1-Methylnaphthalene
Concen: 3.868 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

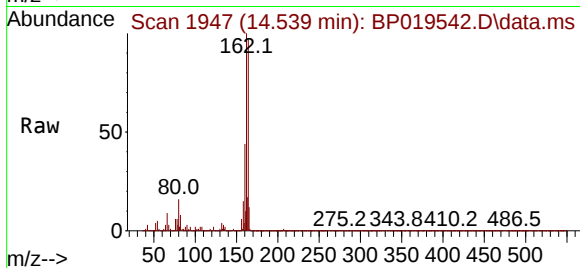
Tgt Ion:142 Resp: 52242
Ion Ratio Lower Upper
142 100
141 87.9 74.0 111.0
116 5.5 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

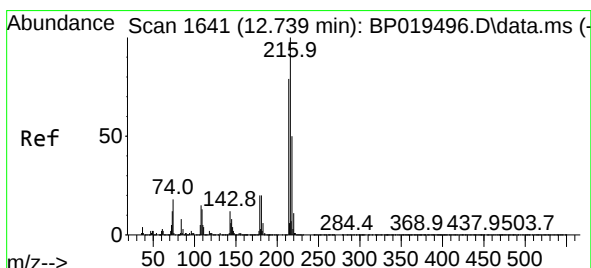
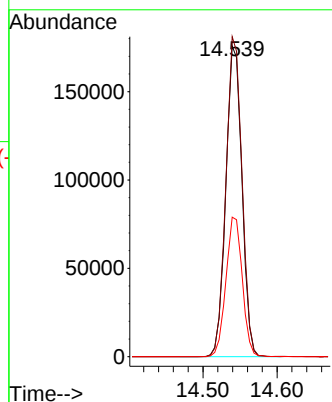
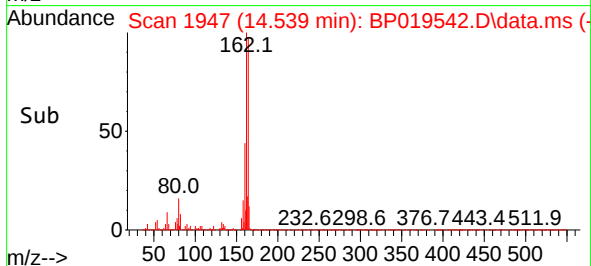
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



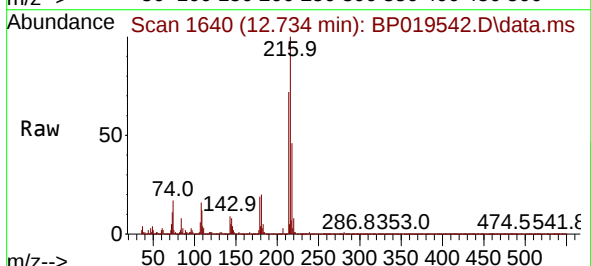
Tgt Ion:164 Resp: 264680
Ion Ratio Lower Upper
164 100
162 103.1 81.2 121.8
160 45.0 35.1 52.7

Manual Integrations
APPROVED

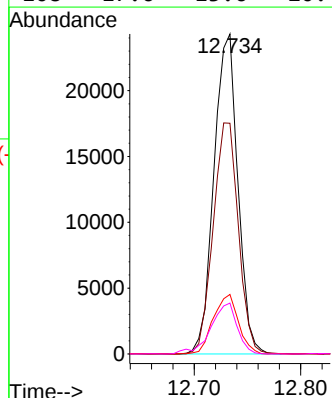
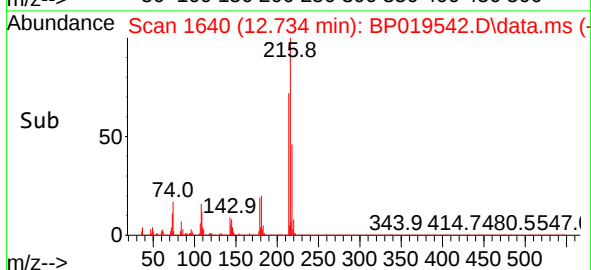
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

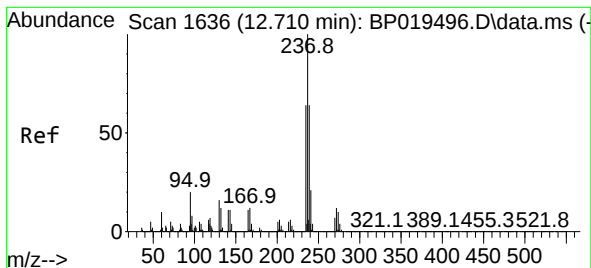


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.706 ng
RT: 12.734 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



Tgt Ion:216 Resp: 37826
Ion Ratio Lower Upper
216 100
214 76.1 62.8 94.2
179 19.6 16.6 24.8
108 17.6 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 4.156 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

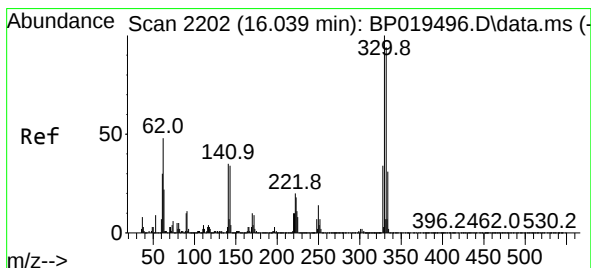
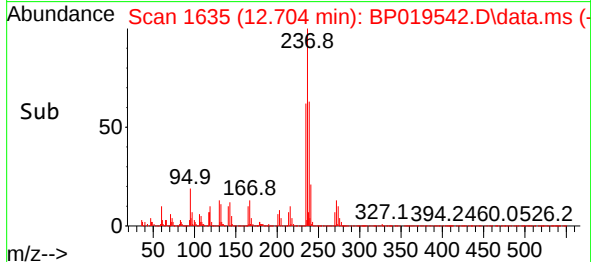
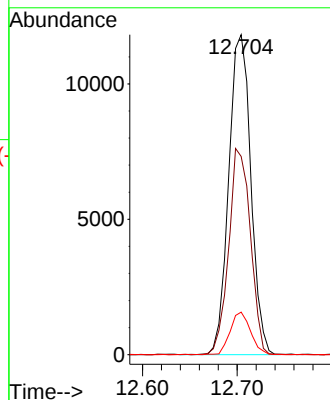
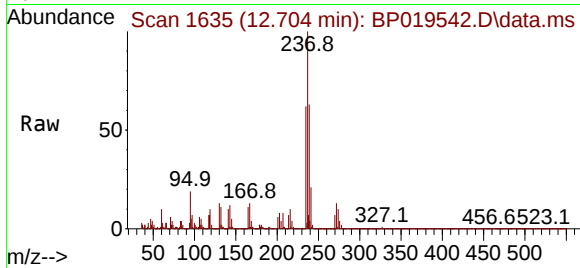
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	237	Resp:	1916
Ion Ratio	Lower	Upper	
237	100		
235	62.0	43.7	83.7
272	13.3	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: 149.311 ng

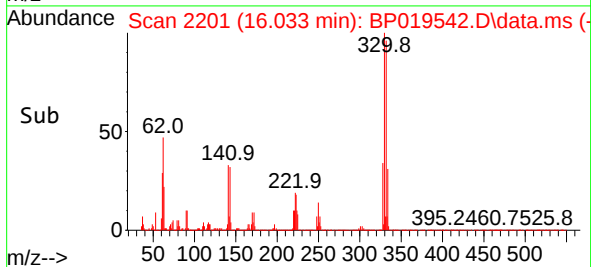
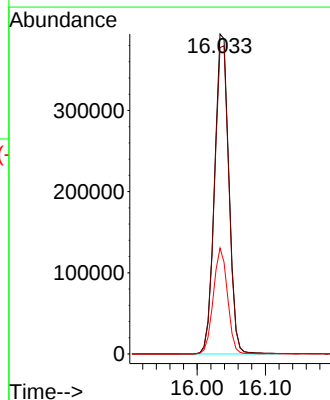
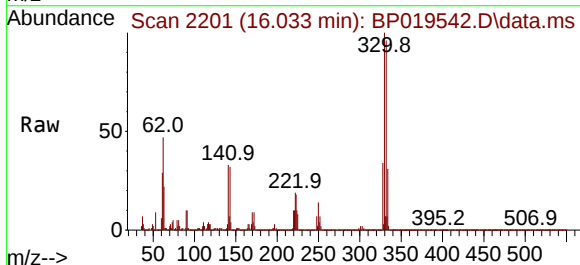
RT: 16.033 min Scan# 2201

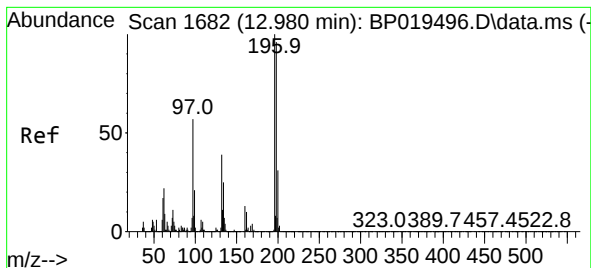
Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:	330	Resp:	577028
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.2	115.8
141	32.7	27.0	40.4





#43

2,4,6-Trichlorophenol

Concen: 3.368 ng

RT: 12.975 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BP019542.D

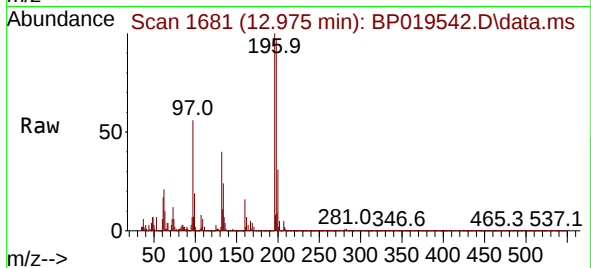
Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:196 Resp: 2082

Ion Ratio Lower Upper

196 100

198 97.4 76.7 115.1

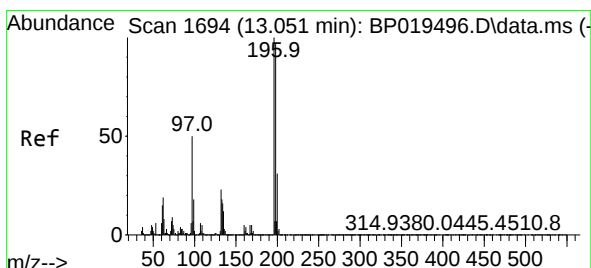
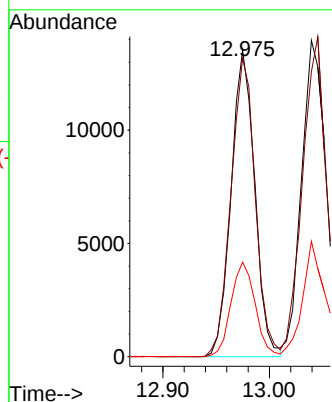
200 30.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#44

2,4,5-Trichlorophenol

Concen: 3.330 ng

RT: 13.039 min Scan# 1692

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:196 Resp: 22602

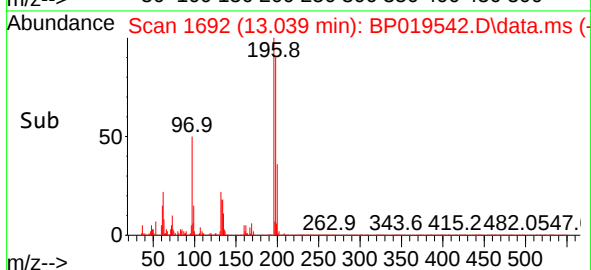
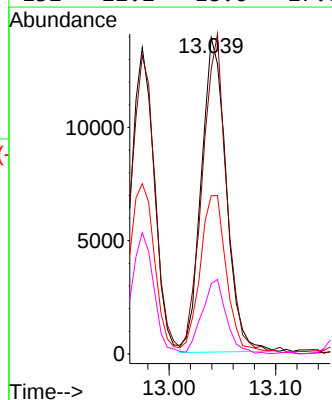
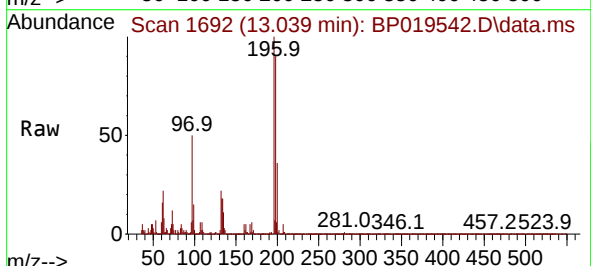
Ion Ratio Lower Upper

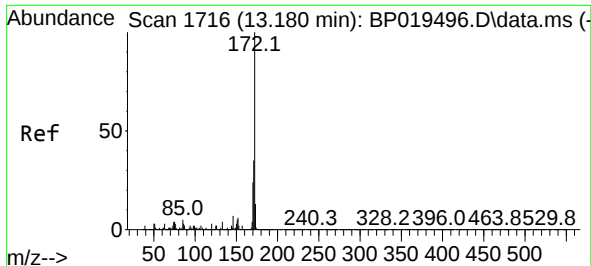
196 100

198 90.1 77.5 116.3

97 50.0 39.9 59.9

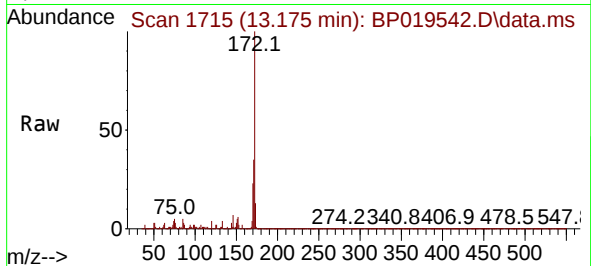
132 22.2 18.6 27.8





#45
2-Fluorobiphenyl
Concen: 75.889 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

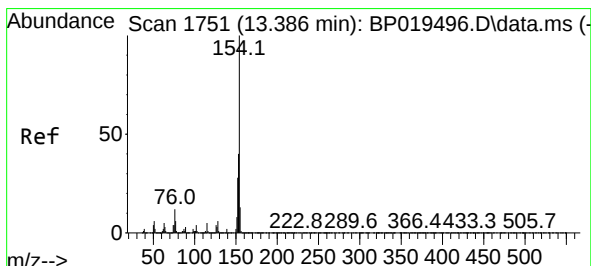
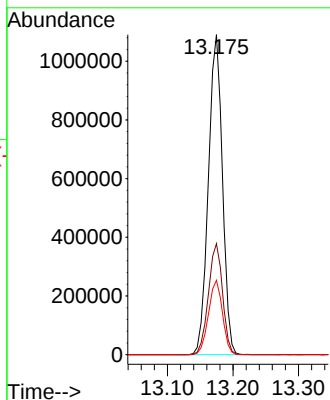
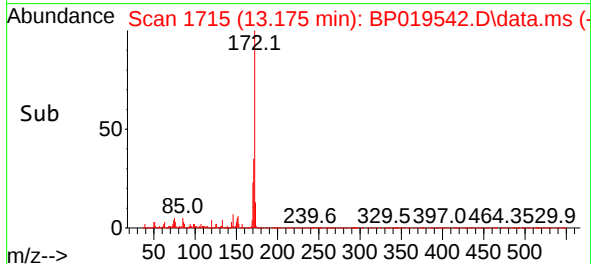
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



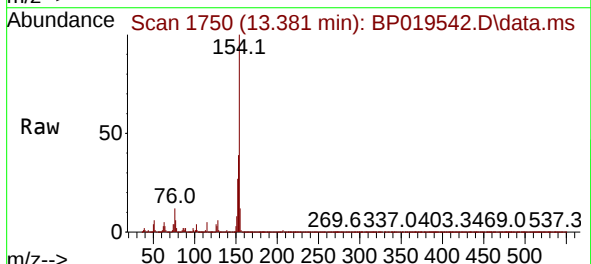
Tgt Ion:172 Resp: 162484
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 23.2 18.9 28.3

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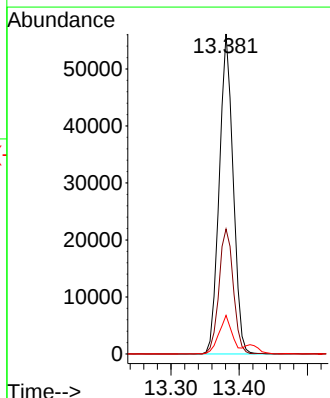
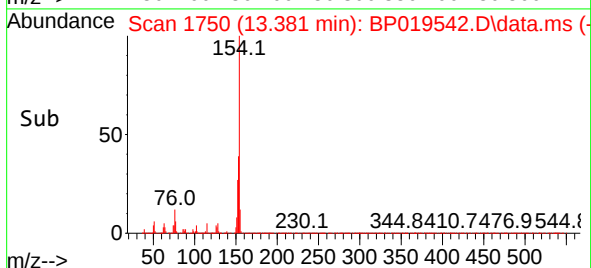
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

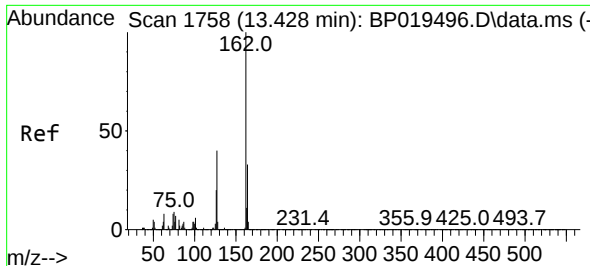


#46
1,1'-Biphenyl
Concen: 3.764 ng
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



Tgt Ion:154 Resp: 79520
Ion Ratio Lower Upper
154 100
153 39.1 20.2 60.2
76 12.0 0.0 31.6





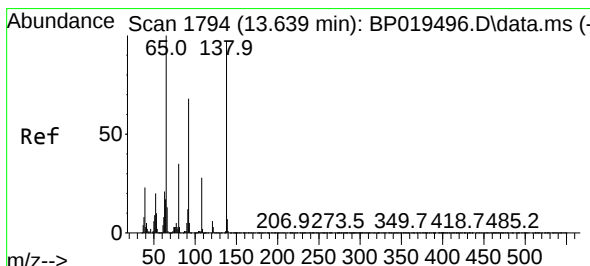
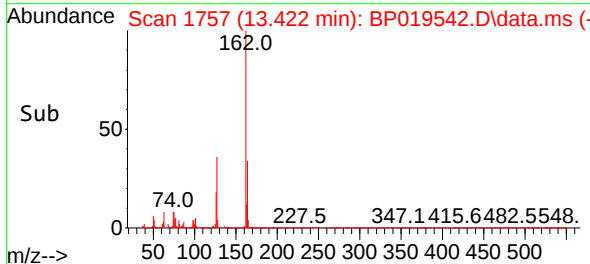
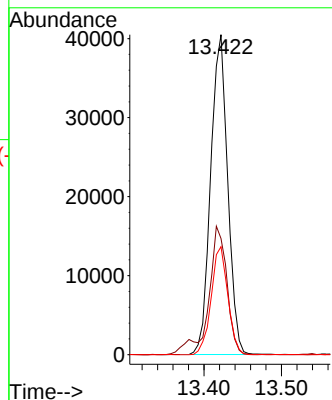
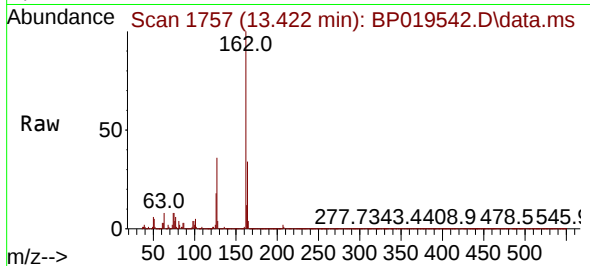
#47
2-Chloronaphthalene
Concen: 3.564 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:162 Resp: 6181
Ion Ratio Lower Upper
162 100
127 36.3 32.1 48.1
164 33.8 26.7 40.1

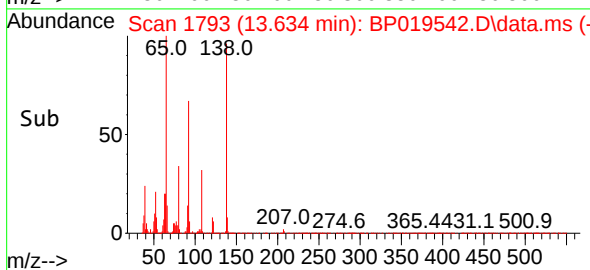
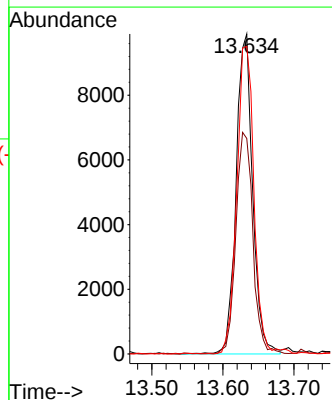
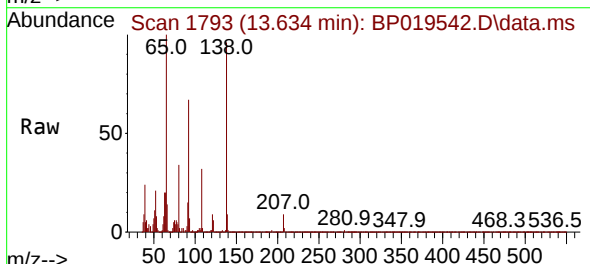
Manual Integrations
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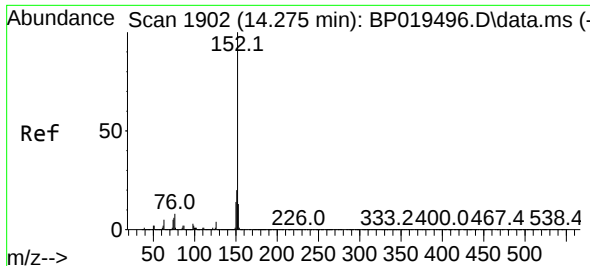
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#48
2-Nitroaniline
Concen: 3.301 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

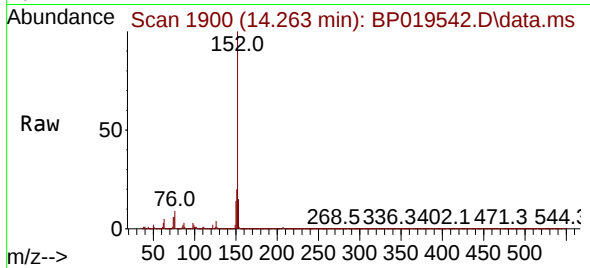
Tgt Ion: 65 Resp: 16009
Ion Ratio Lower Upper
65 100
92 67.3 54.7 82.1
138 96.1 77.8 116.6





#49
Acenaphthylene
Concen: 4.008 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

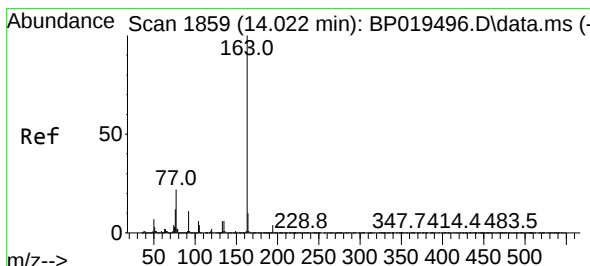
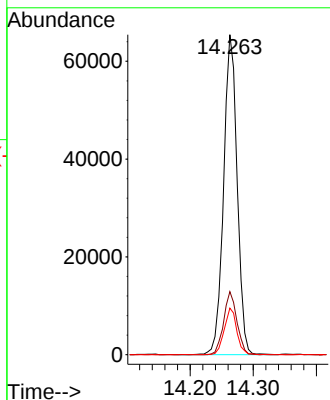
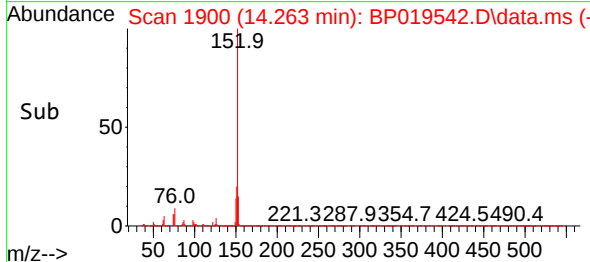
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



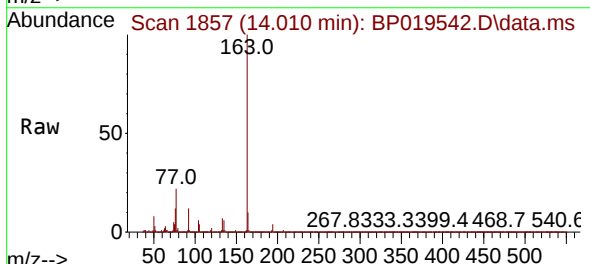
Tgt Ion:152 Resp: 97514
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 14.5 10.6 15.8

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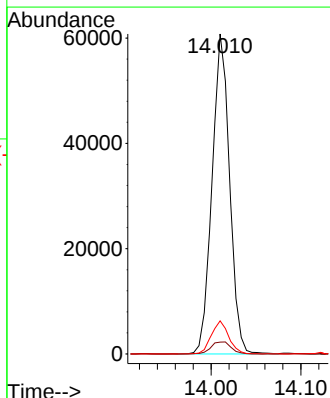
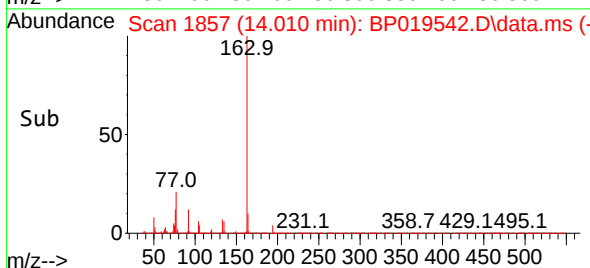
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

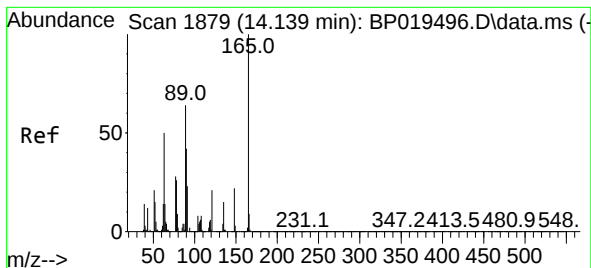


#50
Dimethylphthalate
Concen: 4.069 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



Tgt Ion:163 Resp: 82455
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.2
164 10.3 7.8 11.6





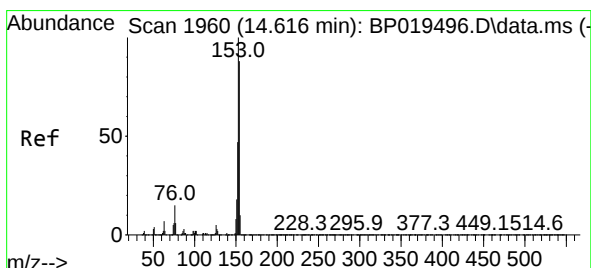
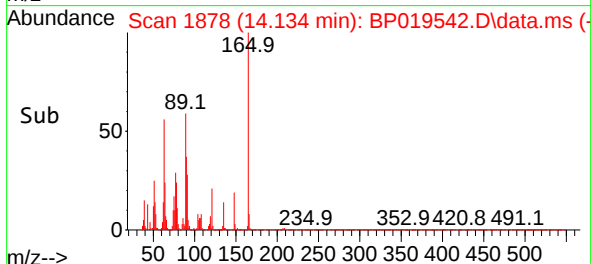
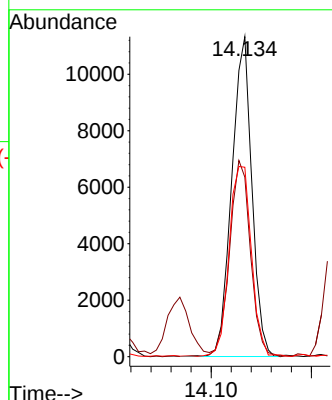
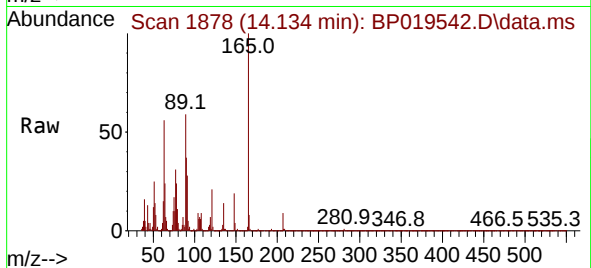
#51
2,6-Dinitrotoluene
Concen: 3.526 ng
RT: 14.134 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:165 Resp: 15698
Ion Ratio Lower Upper
165 100
63 56.1 50.4 75.6
89 59.2 51.7 77.5

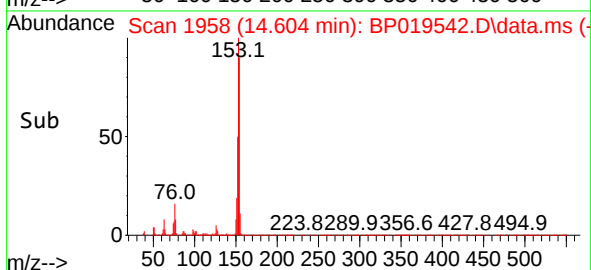
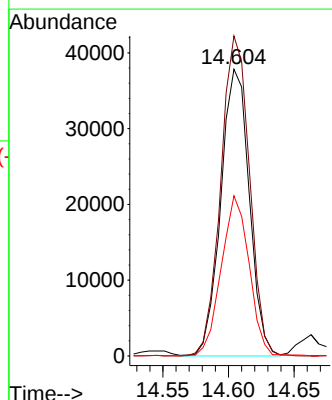
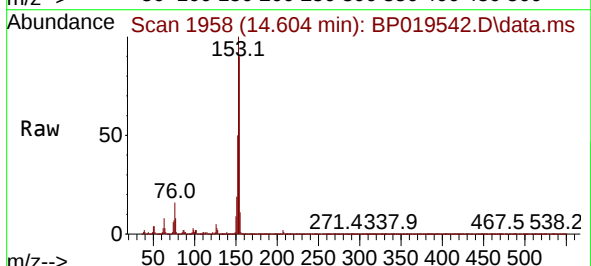
Manual Integrations
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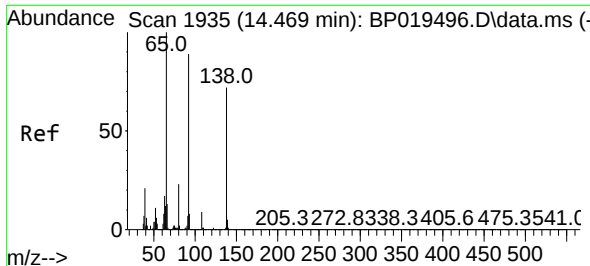
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#52
Acenaphthene
Concen: 3.789 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:154 Resp: 57210
Ion Ratio Lower Upper
154 100
153 111.6 90.5 135.7
152 55.9 42.1 63.1





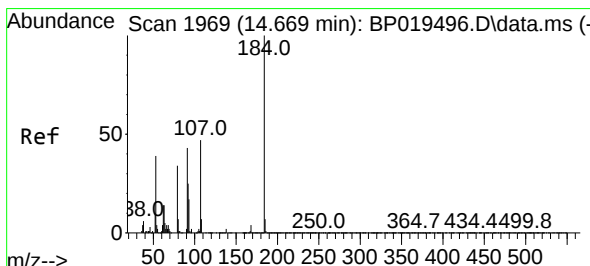
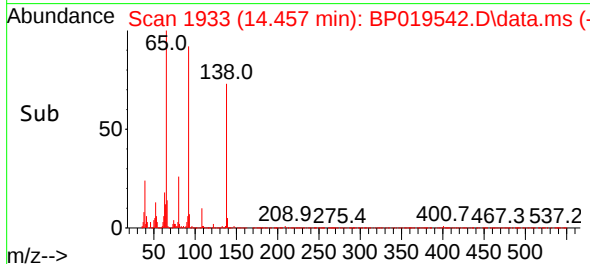
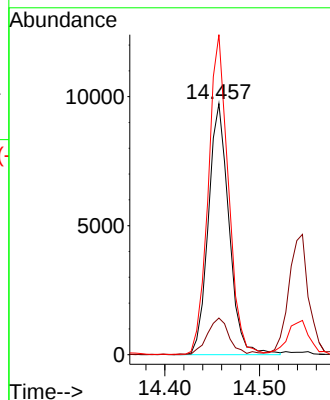
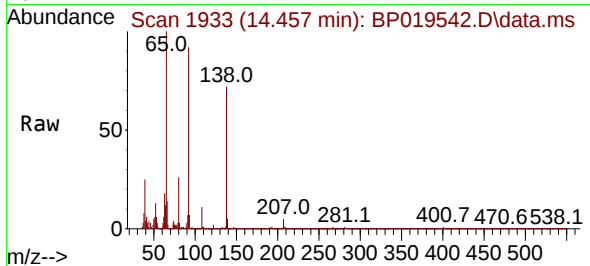
#53
3-Nitroaniline
Concen: 3.590 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:138 Resp: 14689
Ion Ratio Lower Upper
138 100
108 14.6 9.7 14.5
92 127.4 98.0 147.0

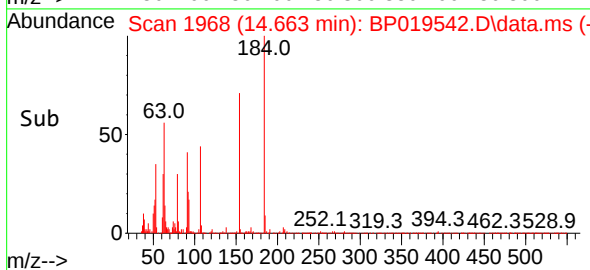
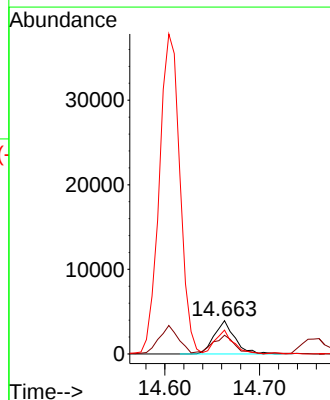
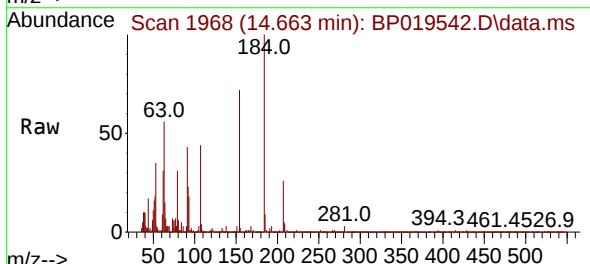
Manual Integrations
APPROVED

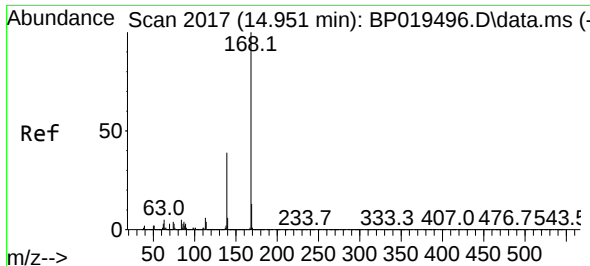
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#54
2,4-Dinitrophenol
Concen: 2.538 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

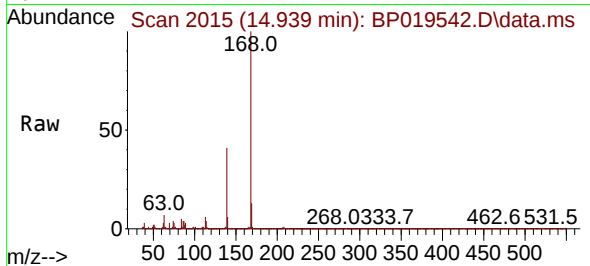
Tgt Ion:184 Resp: 5867
Ion Ratio Lower Upper
184 100
63 56.2 50.5 75.7
154 71.5 53.4 80.0





#55
Dibenzenofuran
Concen: 3.874 ng
RT: 14.939 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

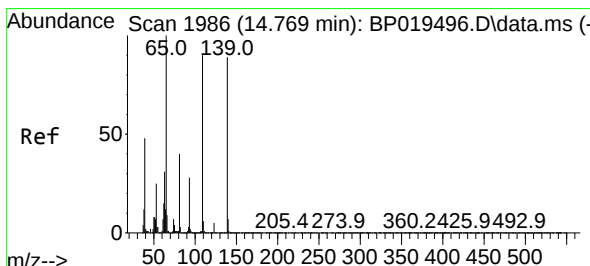
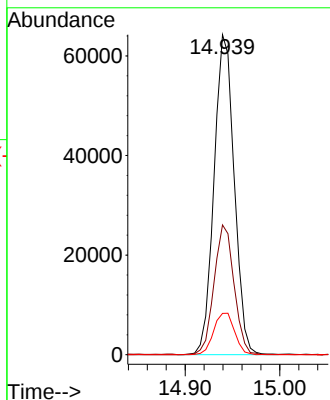
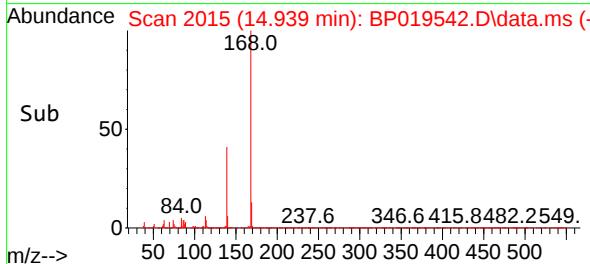
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:168 Resp: 95279
Ion Ratio Lower Upper
168 100
139 40.5 31.5 47.3
169 12.9 10.3 15.5

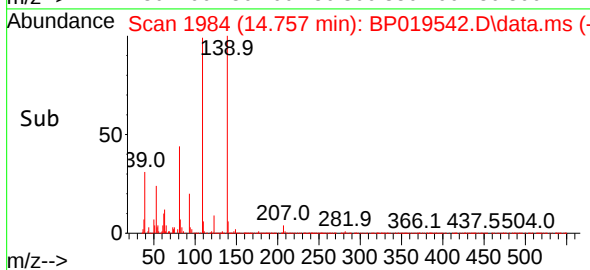
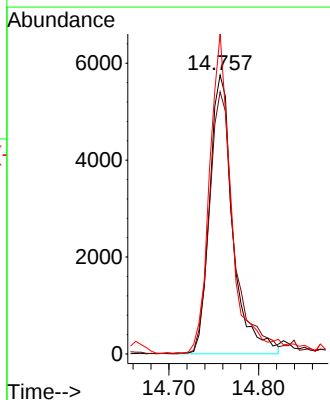
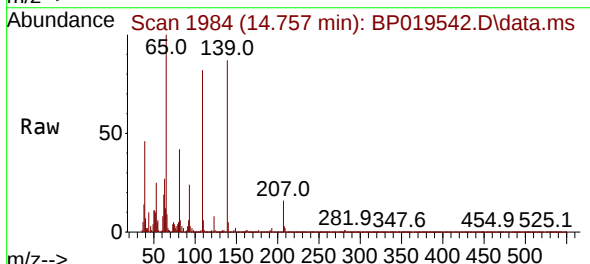
Manual Integrations
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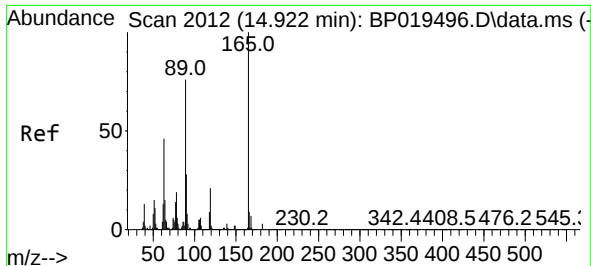
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#56
4-Nitrophenol
Concen: 3.089 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

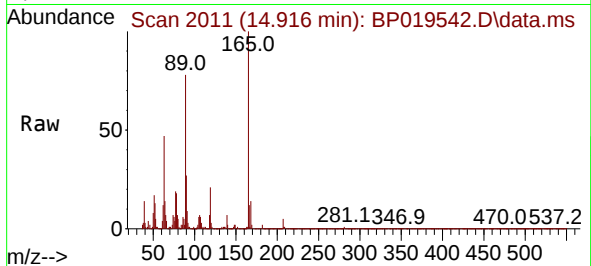
Tgt Ion:139 Resp: 10357
Ion Ratio Lower Upper
139 100
109 94.0 82.0 122.0
65 114.7 92.9 132.9





#57
2,4-Dinitrotoluene
Concen: 3.503 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

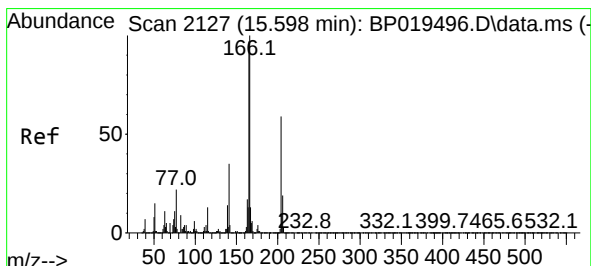
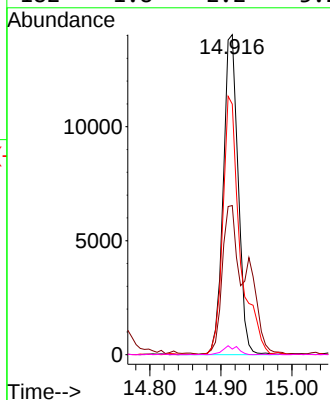
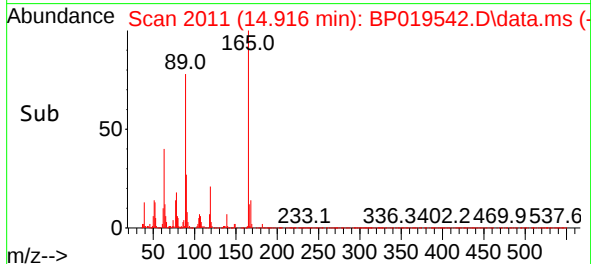
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:165 Resp: 2043
Ion Ratio Lower Upper
165 100
63 46.6 36.9 55.3
89 78.3 61.1 91.7
182 1.8 2.2 3.2#

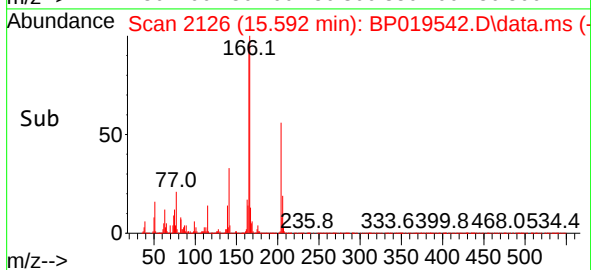
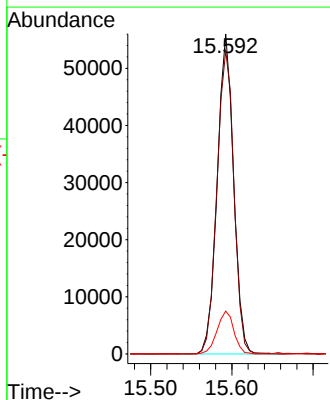
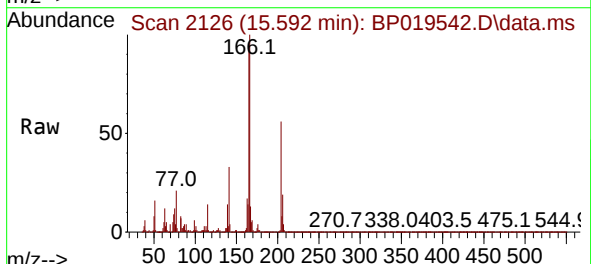
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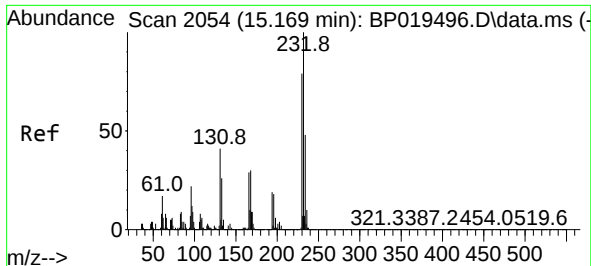
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#58
Fluorene
Concen: 4.017 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:166 Resp: 78684
Ion Ratio Lower Upper
166 100
165 94.8 77.8 116.8
167 13.4 10.7 16.1





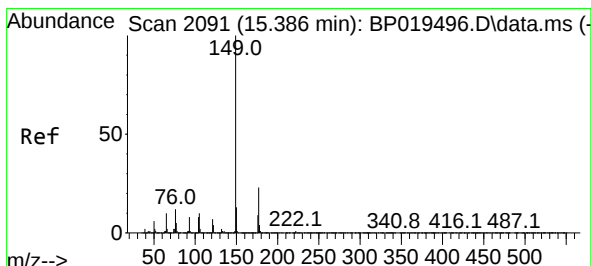
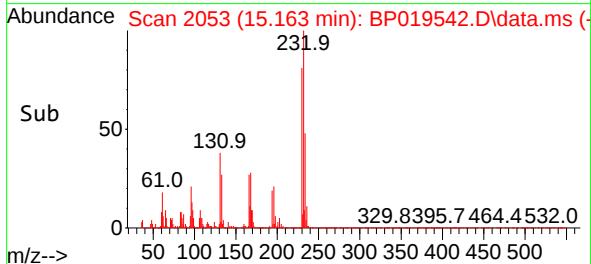
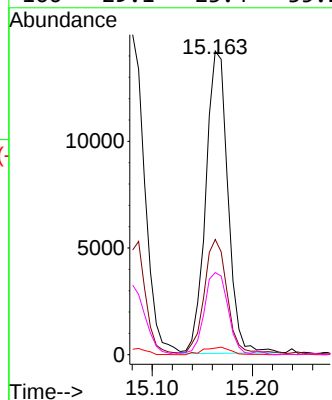
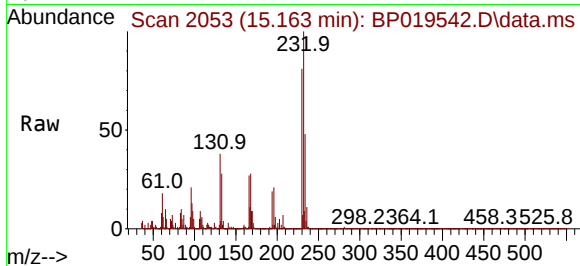
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.805 ng
RT: 15.163 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	232	Resp:	2172
Ion Ratio	Lower	Upper	
232	100		
131	39.5	32.4	48.6
130	3.1	1.9	2.9
166	29.1	23.4	35.2

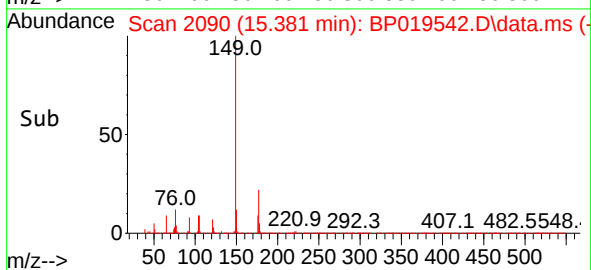
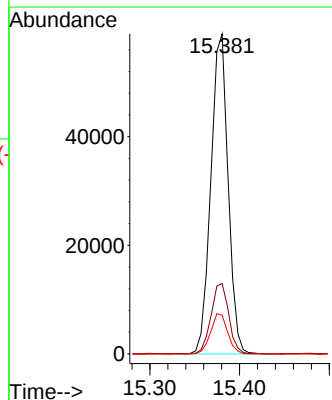
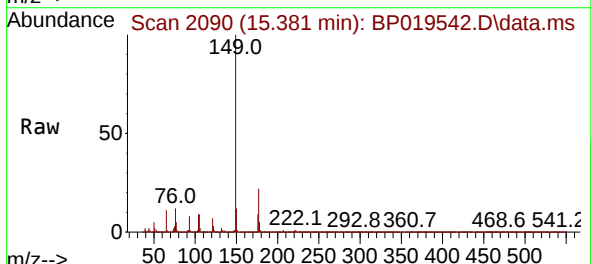
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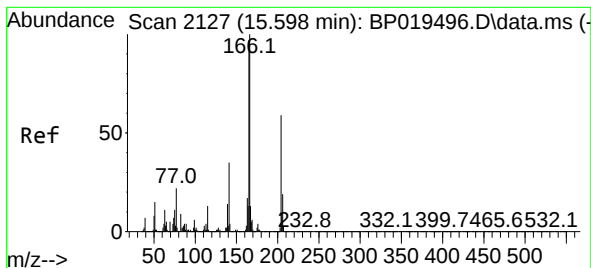
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#60
Diethylphthalate
Concen: 3.895 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

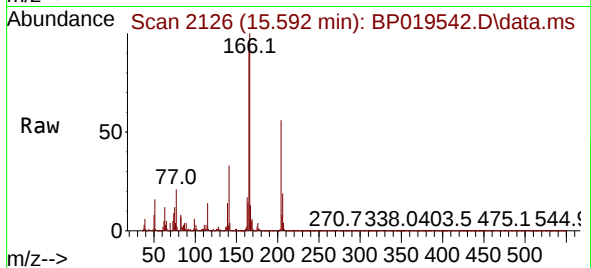
Tgt Ion:	149	Resp:	78503
Ion Ratio	Lower	Upper	
149	100		
177	22.0	18.2	27.2
150	12.1	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 3.982 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

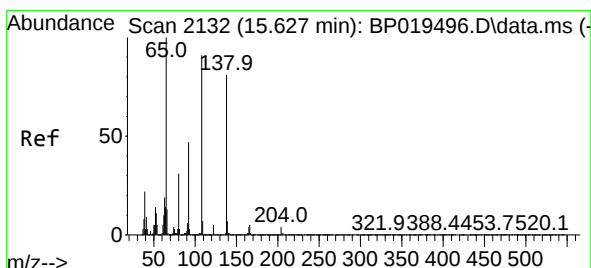
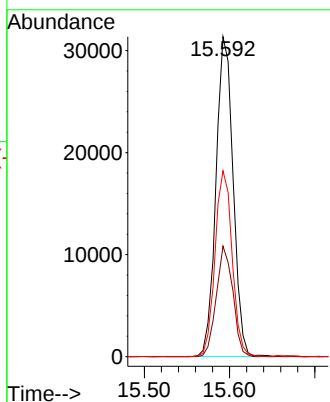
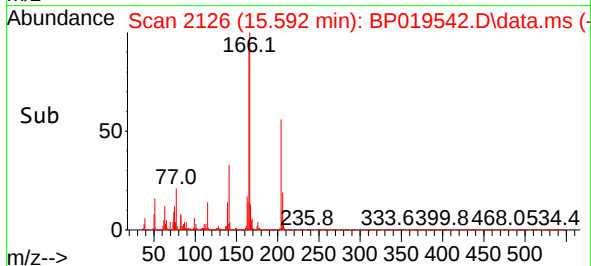
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:204 Resp: 4384
Ion Ratio Lower Upper
204 100
206 34.5 26.5 39.7
141 58.1 48.5 72.7

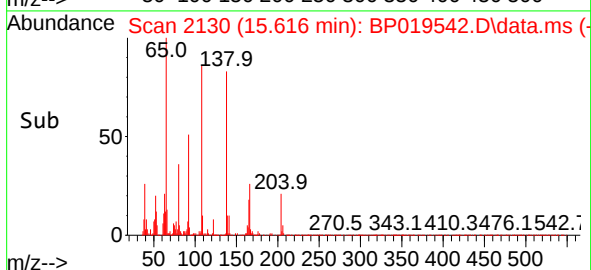
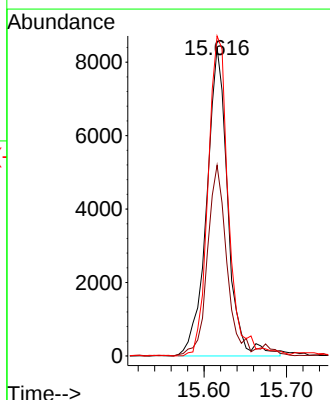
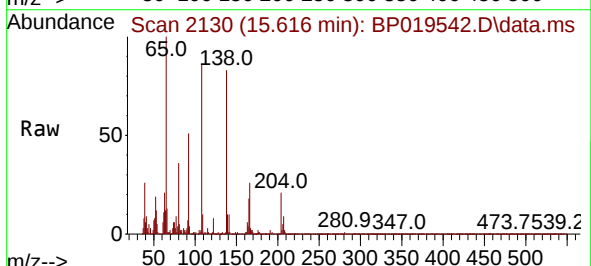
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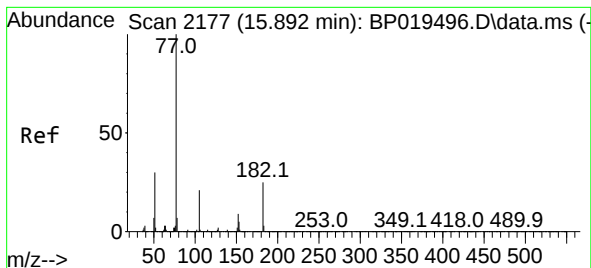
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#62
4-Nitroaniline
Concen: 3.484 ng m
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:138 Resp: 14942
Ion Ratio Lower Upper
138 100
92 61.8 38.3 78.3
108 103.7 91.2 131.2





#63

Azobenzene

Concen: 3.751 ng

RT: 15.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

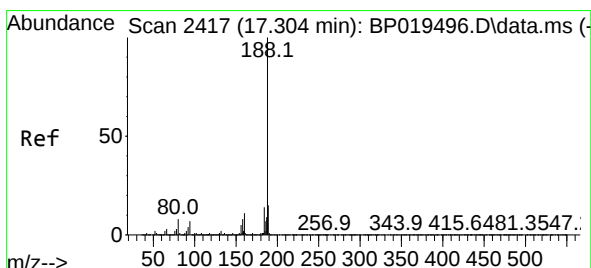
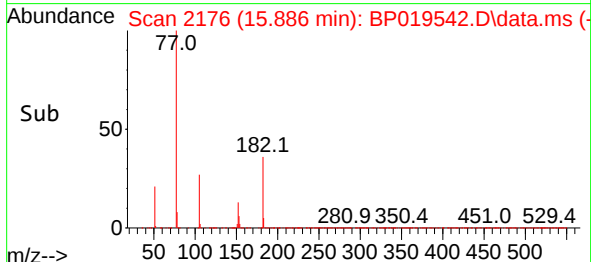
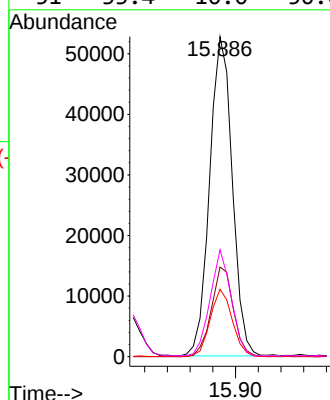
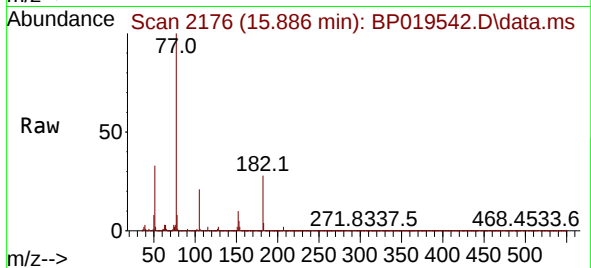
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 77	Resp: 73098
Ion Ratio	Lower Upper
77 100	
182 28.0	5.1 45.1
105 21.1	0.8 40.8
51 33.4	10.0 50.0

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



#64

Phenanthrene-d10

Concen: 20.000 ng

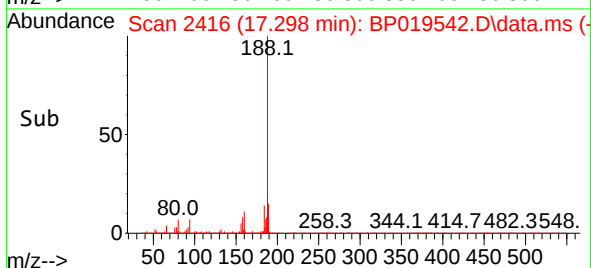
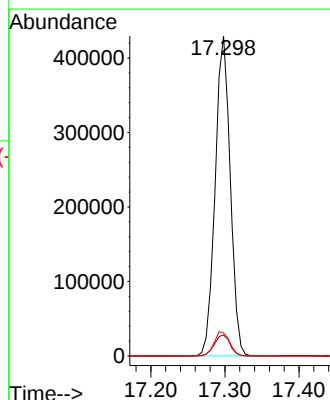
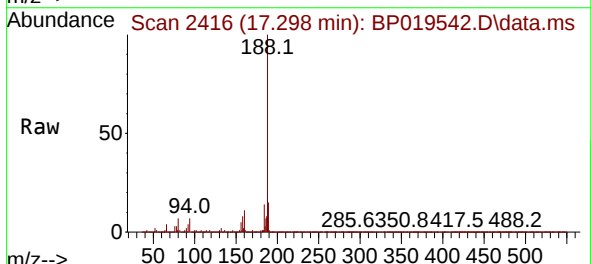
RT: 17.298 min Scan# 2416

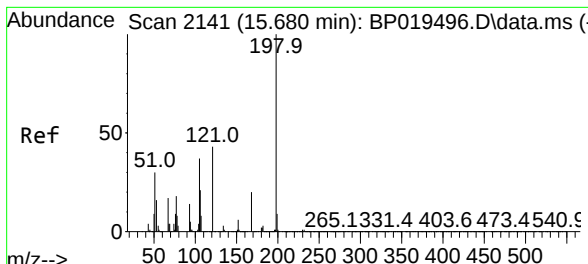
Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:188	Resp: 606361
Ion Ratio	Lower Upper
188 100	
94 6.6	5.4 8.2
80 7.2	6.3 9.5





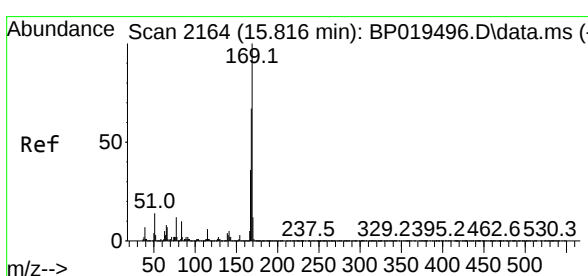
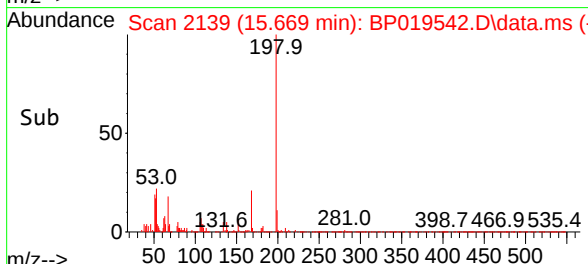
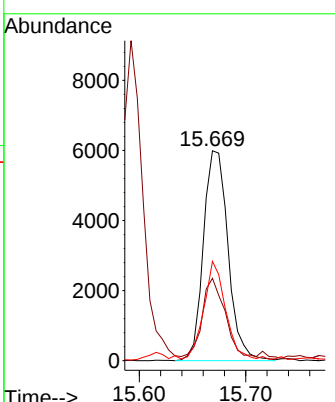
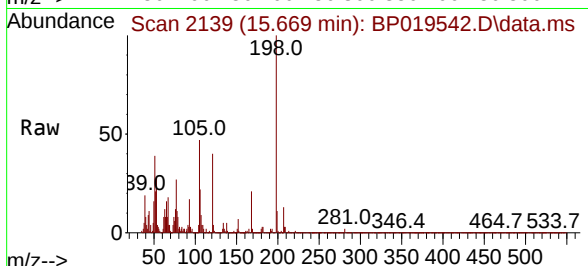
#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.784 ng
 RT: 15.669 min Scan# 2113
 Delta R.T. -0.012 min
 Lab File: BP019542.D
 Acq: 02 Feb 2024 23:33

Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	198	Resp:	9624
Ion Ratio	Lower	Upper	
198	100		
51	39.3	21.2	61.2
105	47.3	19.1	59.1

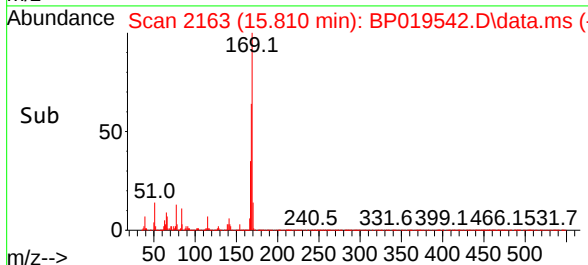
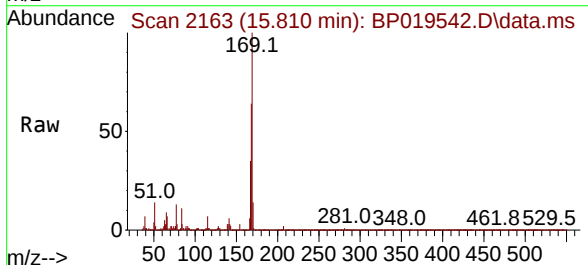
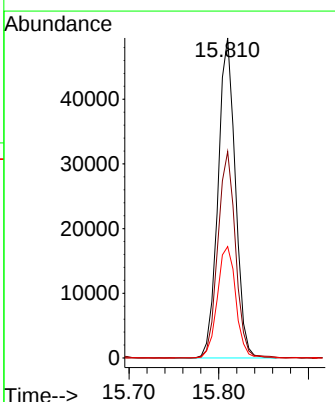
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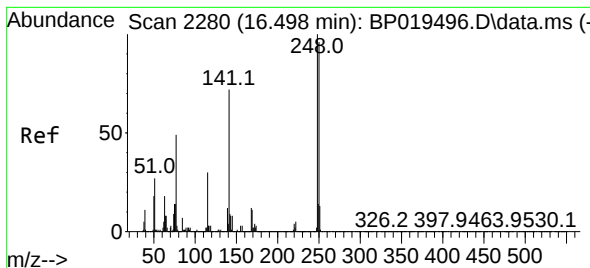
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#66
 n-Nitrosodiphenylamine
 Concen: 3.651 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019542.D
 Acq: 02 Feb 2024 23:33

Tgt Ion:	169	Resp:	66310
Ion Ratio	Lower	Upper	
169	100		
168	64.5	53.4	80.2
167	34.8	28.9	43.3





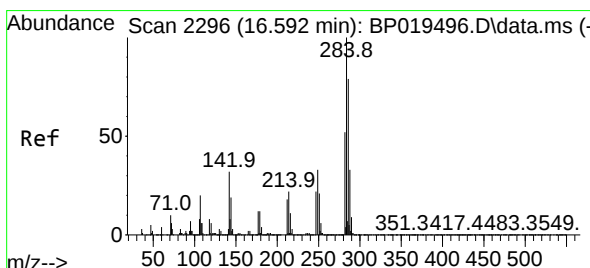
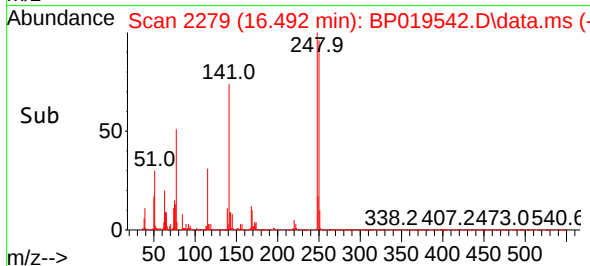
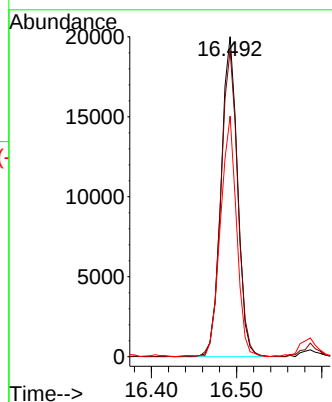
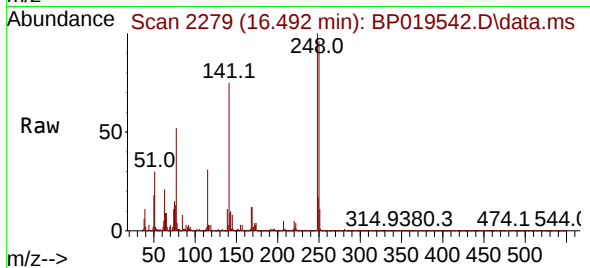
#67
4-Bromophenyl-phenylether
Concen: 3.541 ng
RT: 16.492 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:248 Resp: 2684
Ion Ratio Lower Upper
248 100
250 95.8 76.9 115.3
141 75.2 58.0 87.0

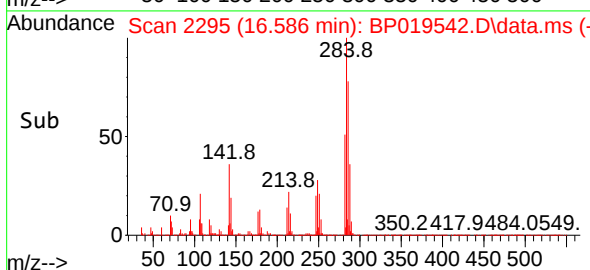
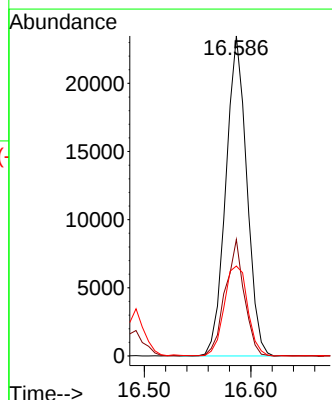
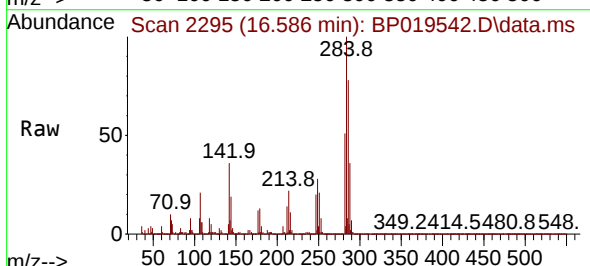
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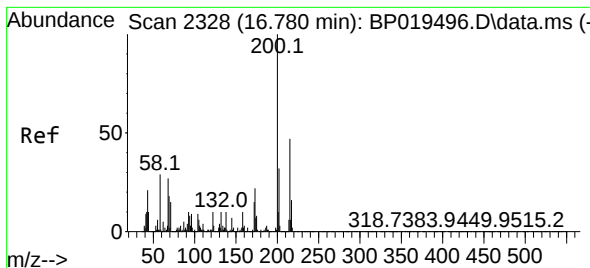
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#68
Hexachlorobenzene
Concen: 3.620 ng
RT: 16.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:284 Resp: 32040
Ion Ratio Lower Upper
284 100
142 36.4 25.4 38.2
249 28.1 26.5 39.7





#69

Atrazine

Concen: 4.292 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

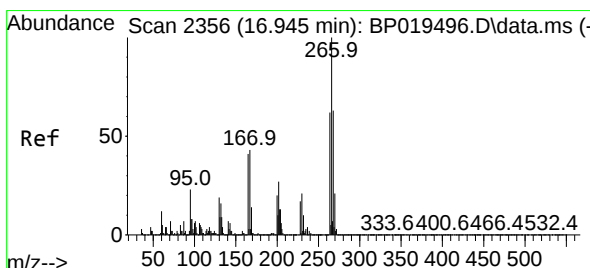
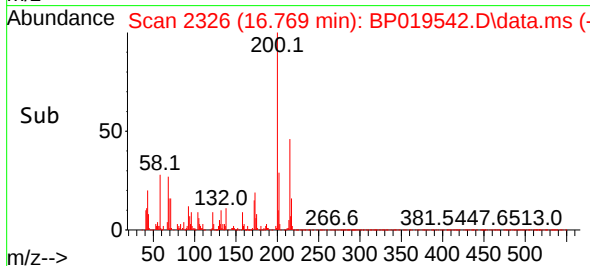
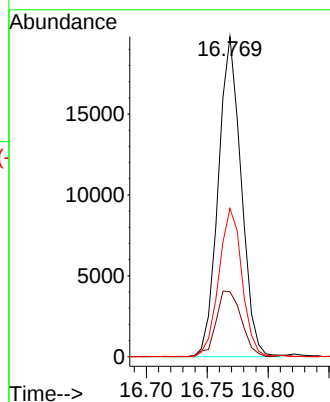
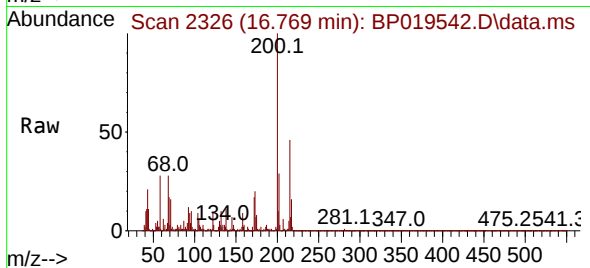
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:200 Resp: 2586
 Ion Ratio Lower Upper
 200 100
 173 20.3 1.7 41.7
 215 46.4 26.9 66.9

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



#70

Pentachlorophenol

Concen: 2.782 ng

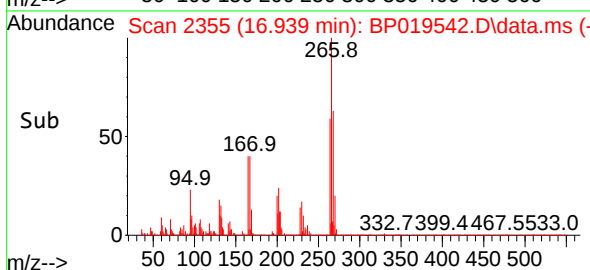
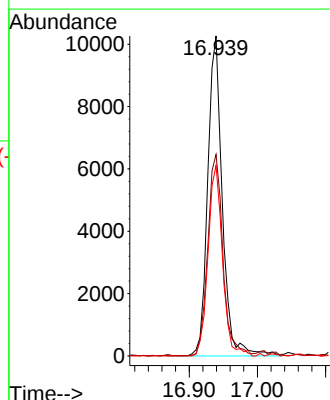
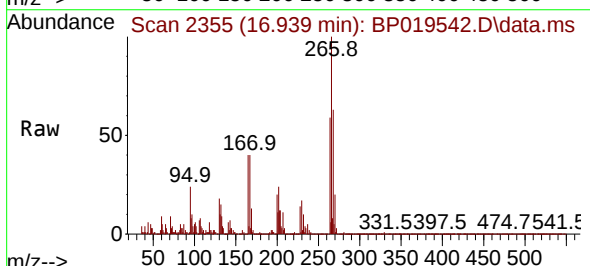
RT: 16.939 min Scan# 2355

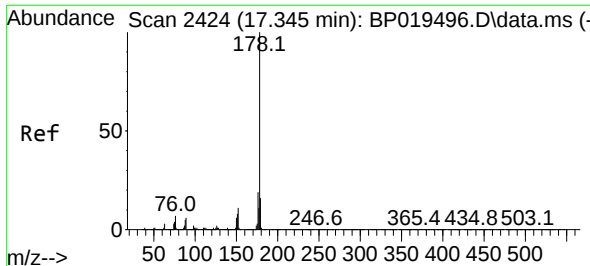
Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:266 Resp: 15338
 Ion Ratio Lower Upper
 266 100
 268 62.9 50.3 75.5
 264 59.5 49.7 74.5





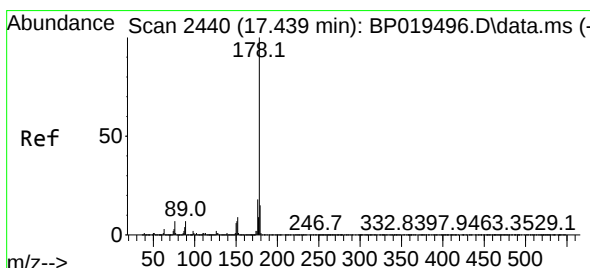
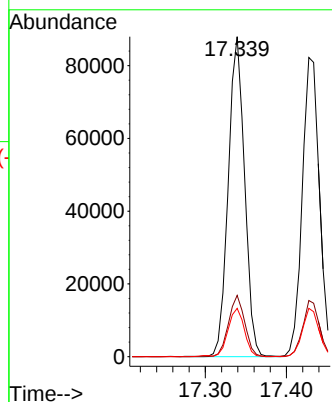
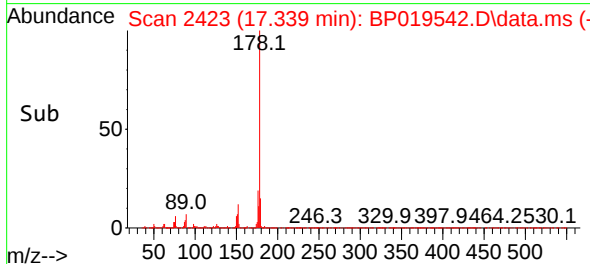
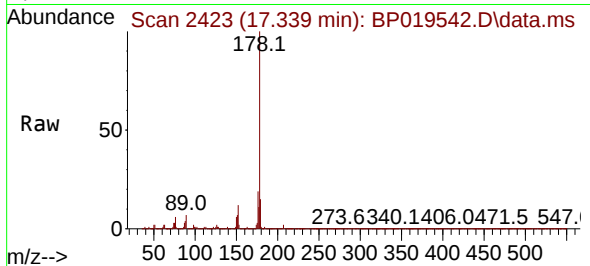
#71
Phenanthrene
Concen: 3.861 ng
RT: 17.339 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:178 Resp: 123210
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.1 12.6 19.0

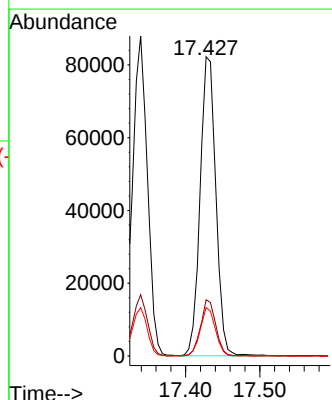
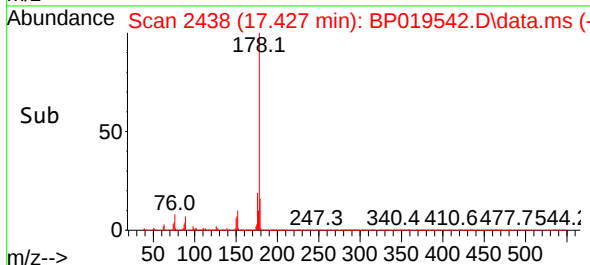
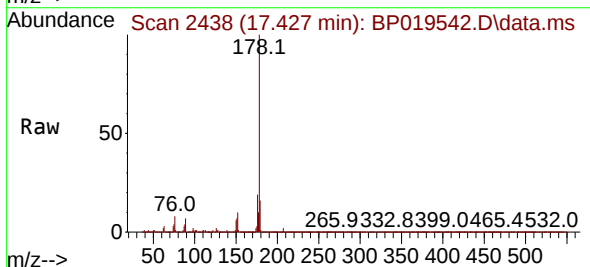
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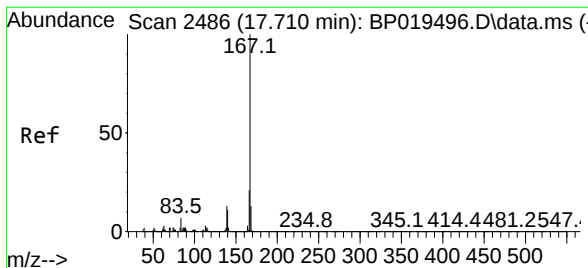
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#72
Anthracene
Concen: 3.825 ng
RT: 17.427 min Scan# 2438
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:178 Resp: 121772
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 16.2 12.2 18.2





#73

Carbazole

Concen: 3.497 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

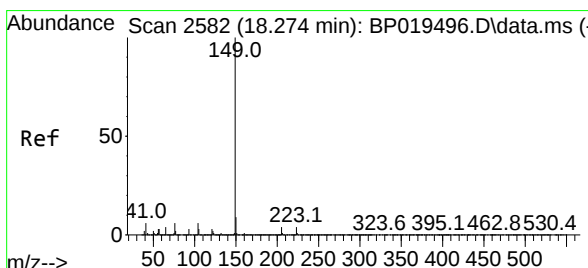
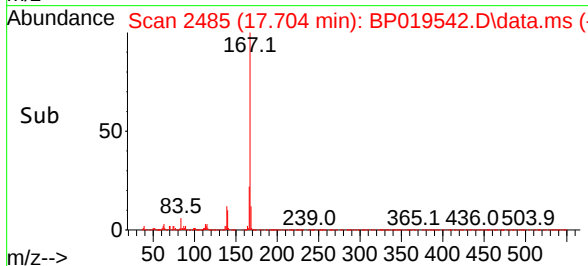
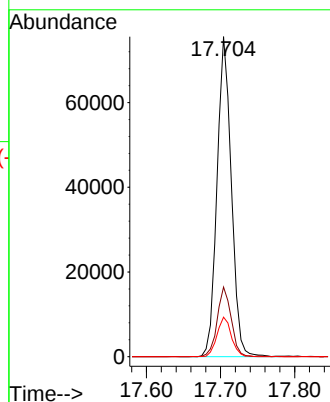
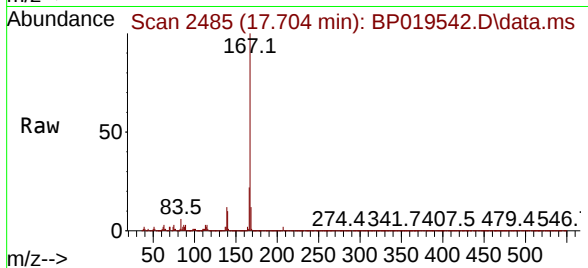
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:167	Resp: 101130
Ion Ratio	Lower Upper
167 100	
166 21.7	17.2 25.8
139 12.4	10.6 15.8

Manual Integrations

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



#74

Di-n-butylphthalate

Concen: 3.294 ng

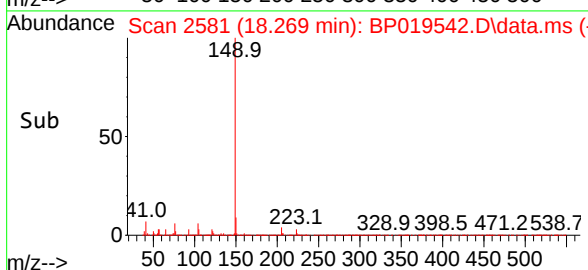
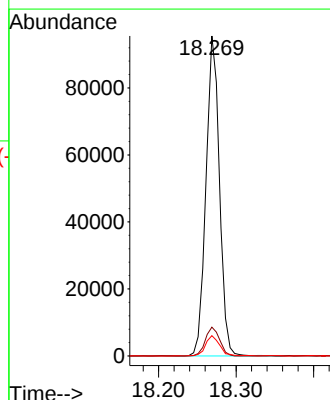
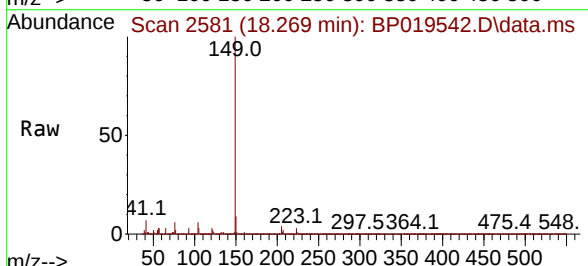
RT: 18.269 min Scan# 2581

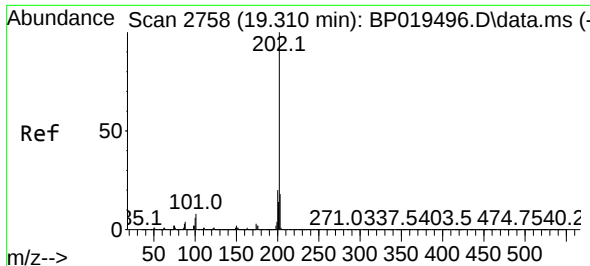
Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:149	Resp: 115185
Ion Ratio	Lower Upper
149 100	
150 9.0	7.3 10.9
104 6.4	4.8 7.2





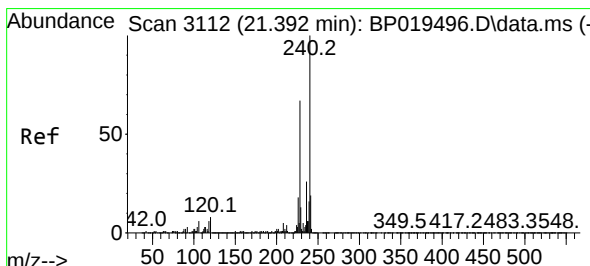
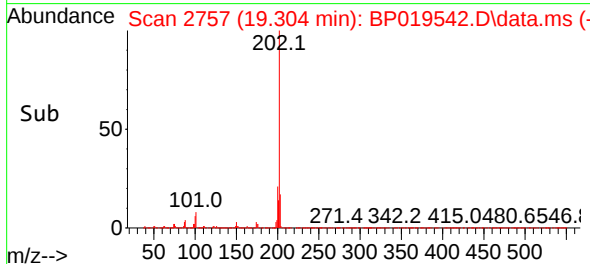
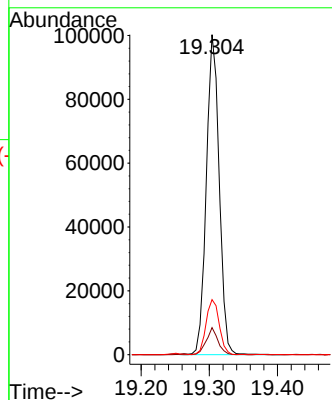
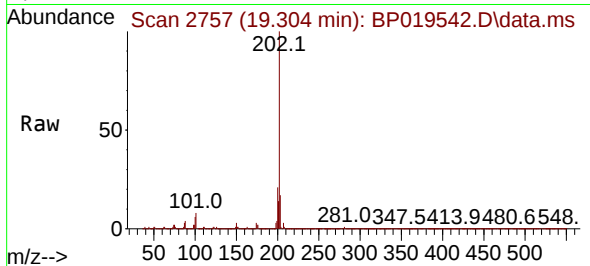
#75
Fluoranthene
Concen: 3.379 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:202 Resp: 131704
Ion Ratio Lower Upper
202 100
101 8.4 0.0 27.7
203 17.2 0.0 37.5

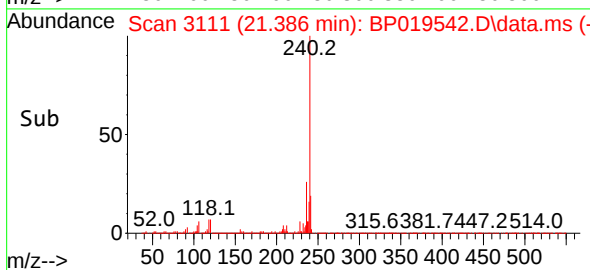
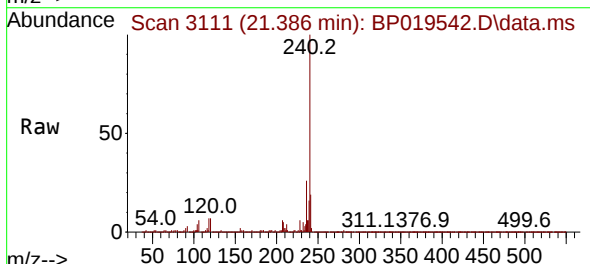
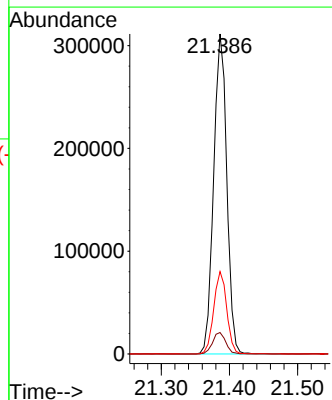
Manual Integrations
APPROVED

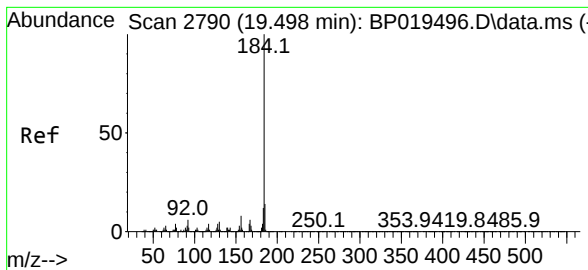
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

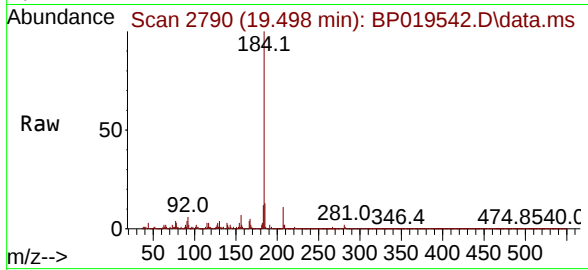
Tgt Ion:240 Resp: 416986
Ion Ratio Lower Upper
240 100
120 6.7 6.1 9.1
236 25.7 20.7 31.1





#77
Benzidine
Concen: 5.784 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

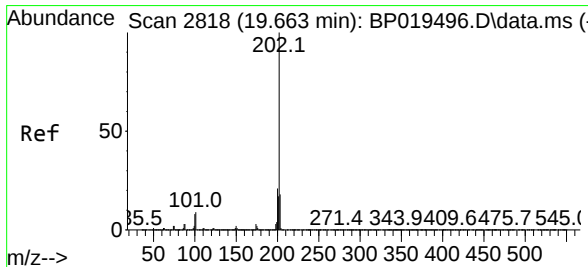
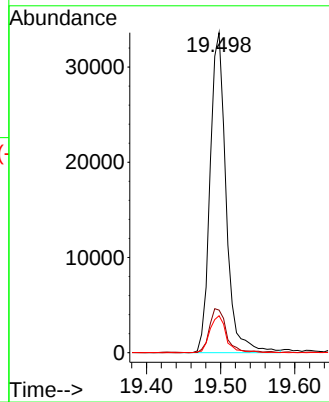
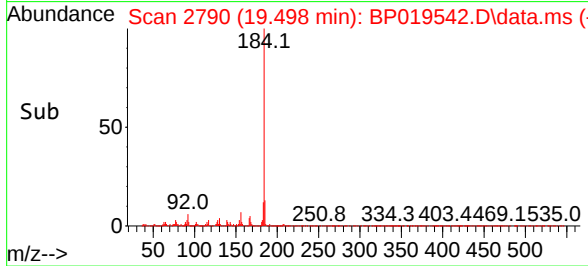
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



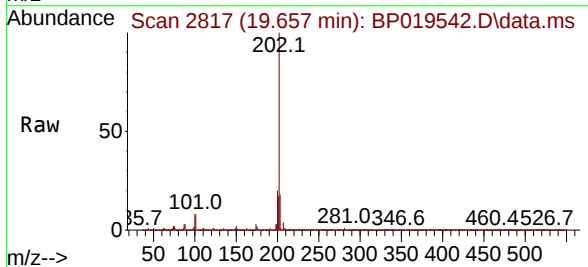
Tgt Ion:184 Resp: 5042
Ion Ratio Lower Upper
184 100
185 13.3 11.1 16.7
183 11.6 9.7 14.5

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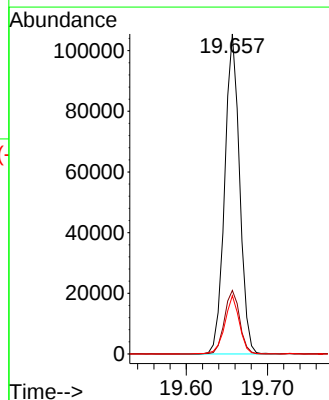
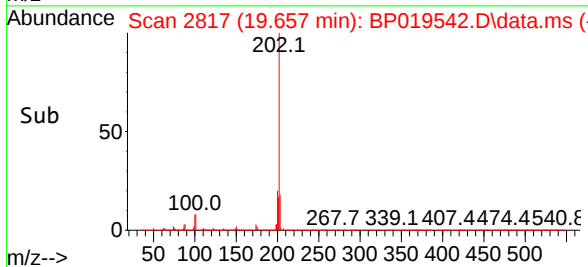
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

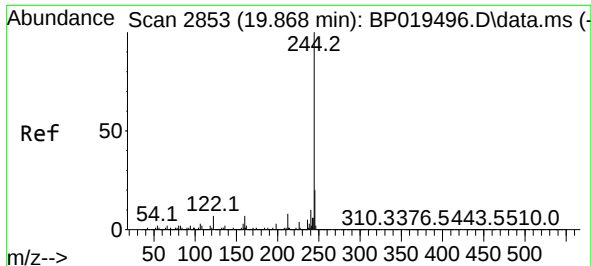


#78
Pyrene
Concen: 4.577 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33



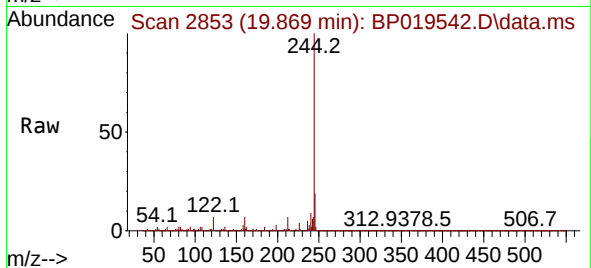
Tgt Ion:202 Resp: 134708
Ion Ratio Lower Upper
202 100
200 19.8 16.9 25.3
203 18.2 14.2 21.2





#79
 Terphenyl-d14
 Concen: 101.517 ng
 RT: 19.869 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP019542.D
 Acq: 02 Feb 2024 23:33

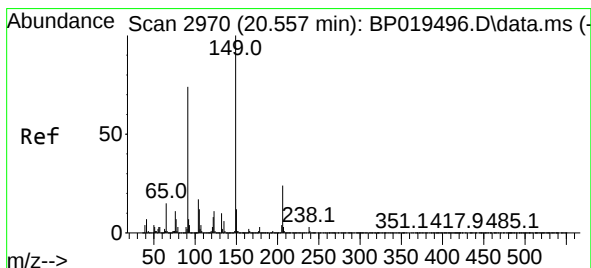
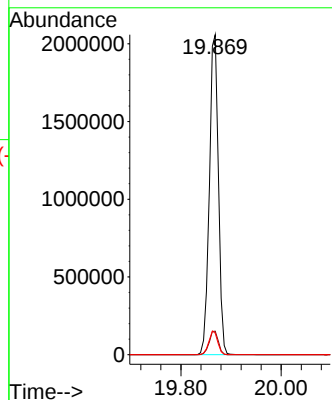
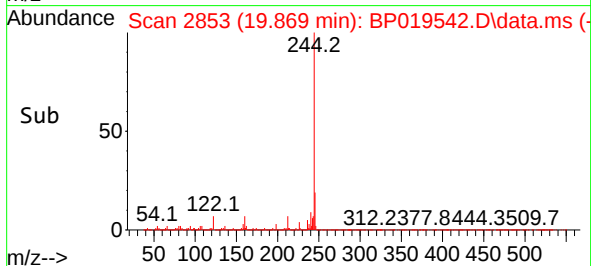
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:244 Resp: 257403
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 6.7 5.9 8.9

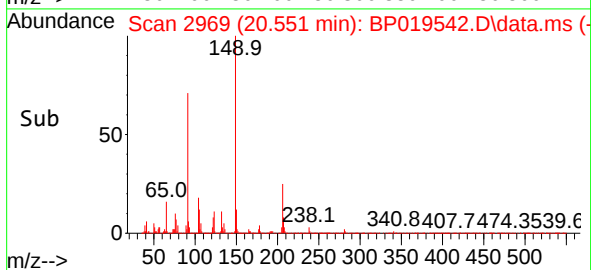
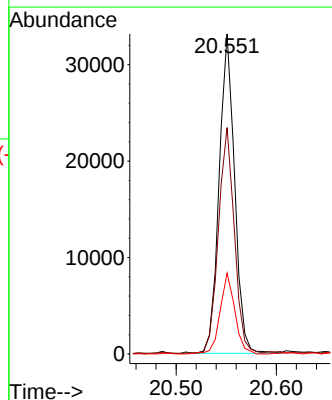
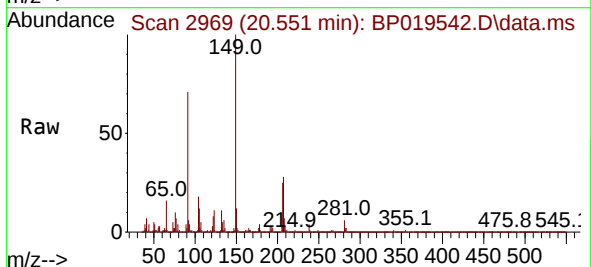
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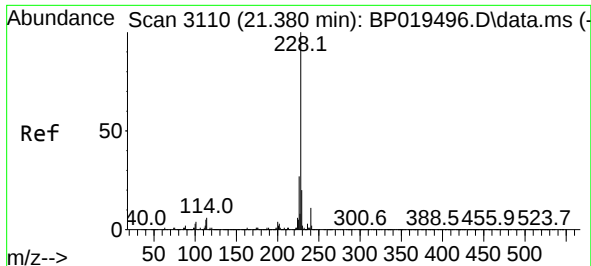
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#80
 Butylbenzylphthalate
 Concen: 3.232 ng
 RT: 20.551 min Scan# 2969
 Delta R.T. -0.006 min
 Lab File: BP019542.D
 Acq: 02 Feb 2024 23:33

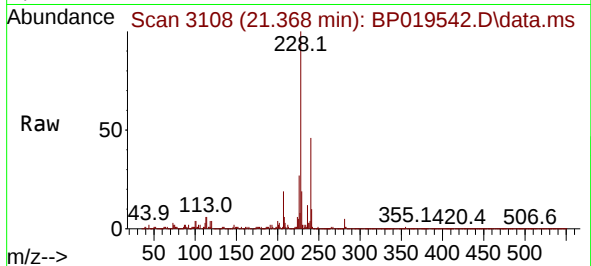
Tgt Ion:149 Resp: 35525
 Ion Ratio Lower Upper
 149 100
 91 70.8 59.4 89.0
 206 25.3 19.0 28.6





#81
Benzo(a)anthracene
Concen: 3.744 ng
RT: 21.368 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

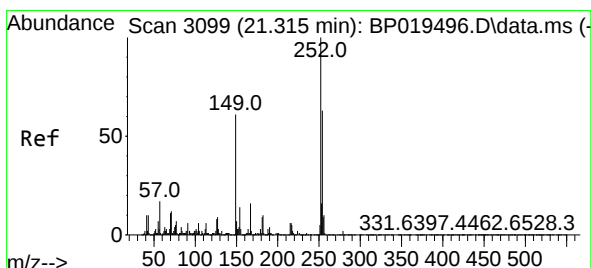
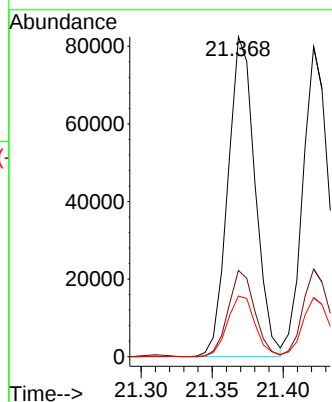
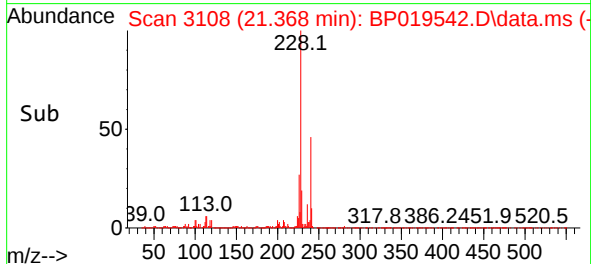
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:228 Resp: 109892
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 18.9 15.6 23.4

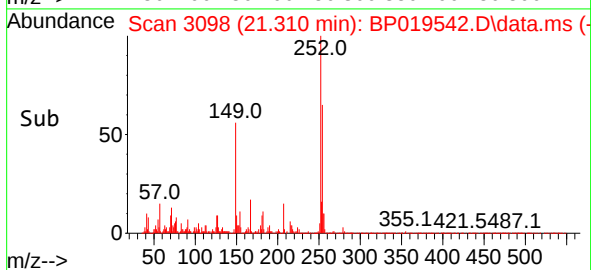
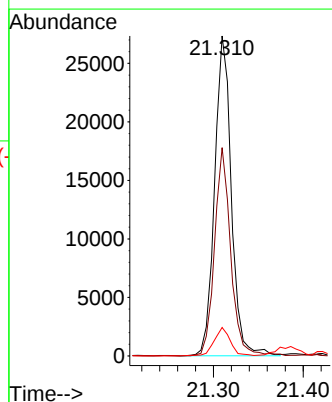
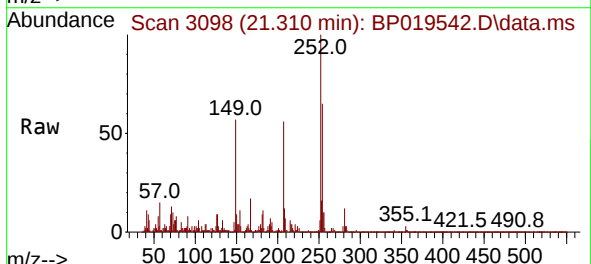
Manual Integrations
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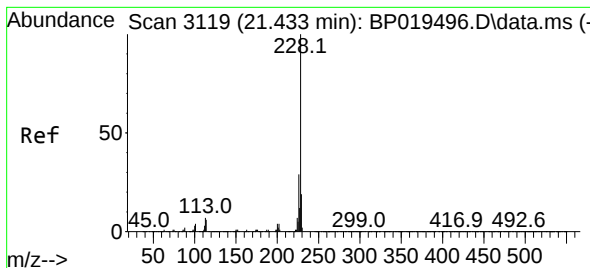
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#82
3,3'-Dichlorobenzidine
Concen: 3.307 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:252 Resp: 35373
Ion Ratio Lower Upper
252 100
254 65.1 50.7 76.1
126 8.9 6.4 9.6





#83

Chrysene

Concen: 3.618 ng

RT: 21.421 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

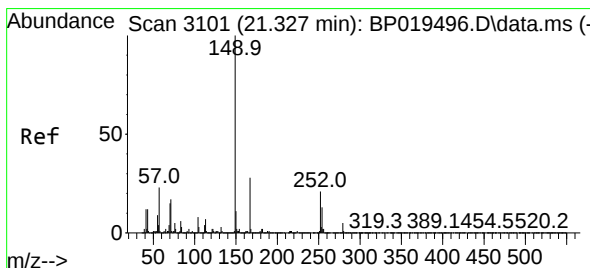
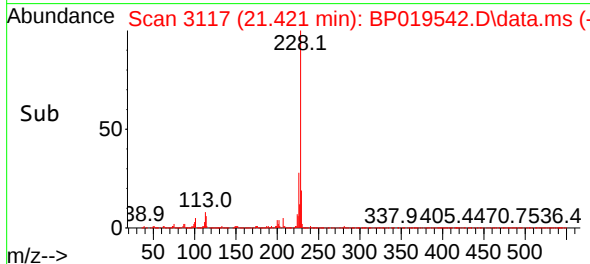
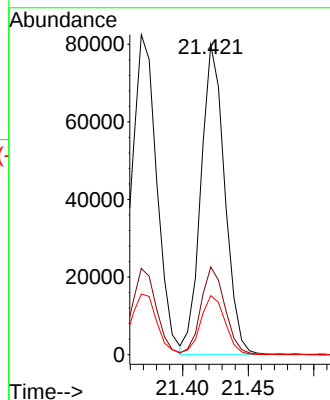
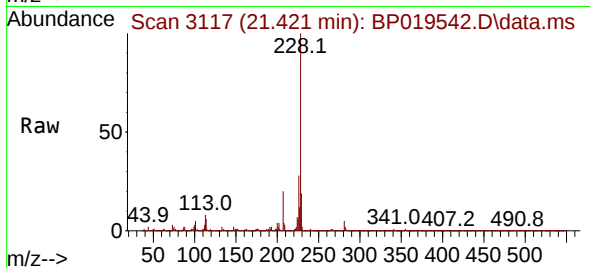
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	228	Resp:	10082
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.4	35.2
229	19.0	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: 2.736 ng

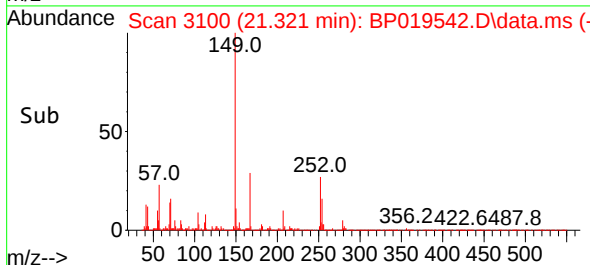
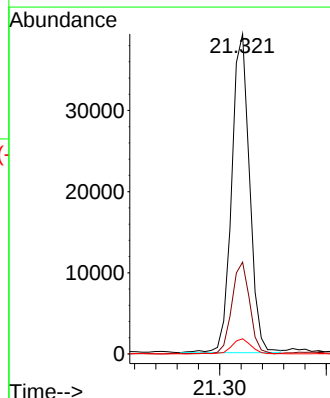
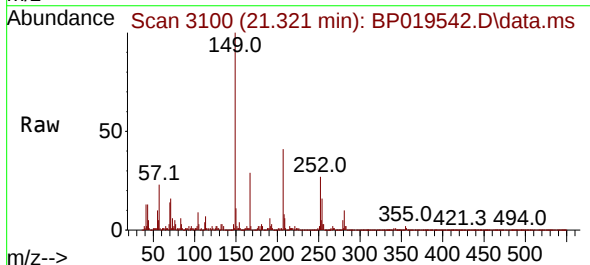
RT: 21.321 min Scan# 3100

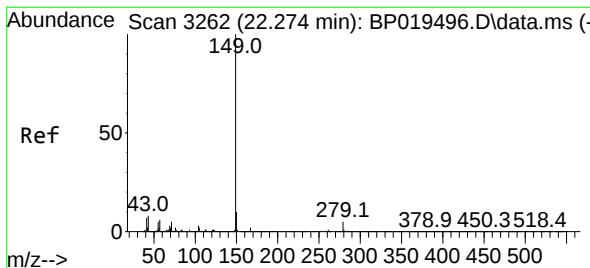
Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:	149	Resp:	45795
Ion Ratio	Lower	Upper	
149	100		
167	28.7	22.7	34.1
279	4.8	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 2.201 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

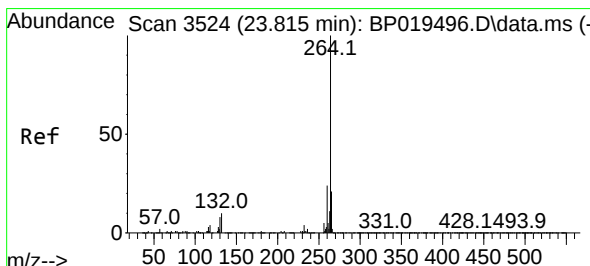
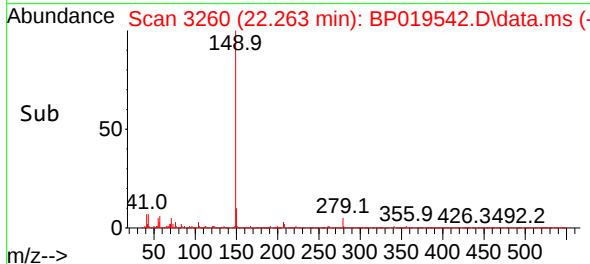
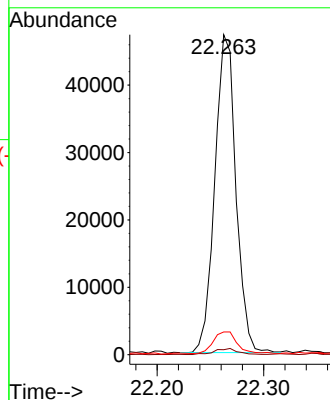
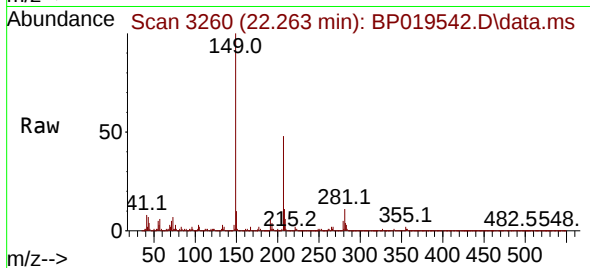
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:149	Resp: 64800
Ion Ratio	Lower Upper
149 100	
167 2.2	1.3 1.9
43 7.7	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

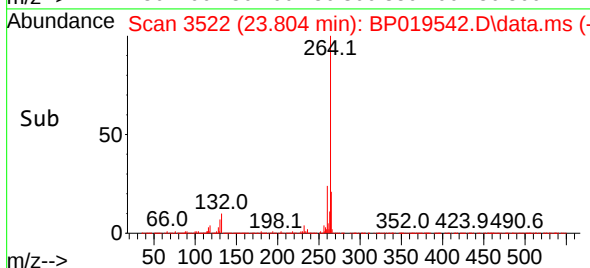
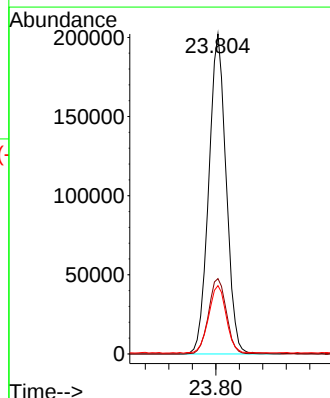
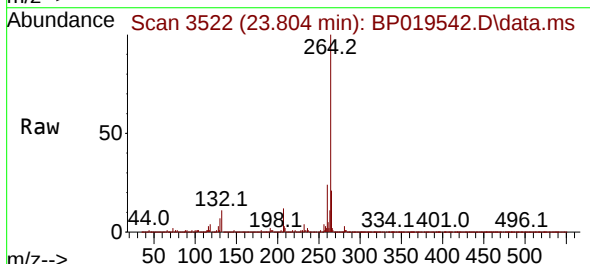
RT: 23.804 min Scan# 3522

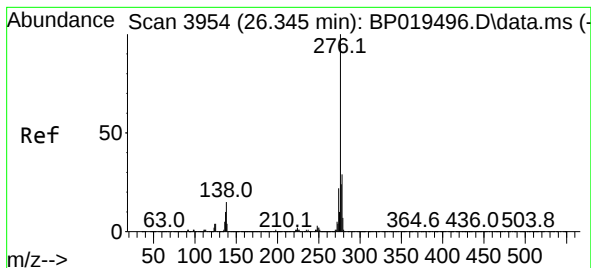
Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:264	Resp: 414592
Ion Ratio	Lower Upper
264 100	
260 23.6	19.2 28.8
265 21.3	17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.720 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

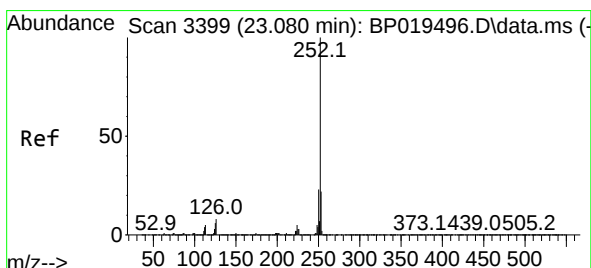
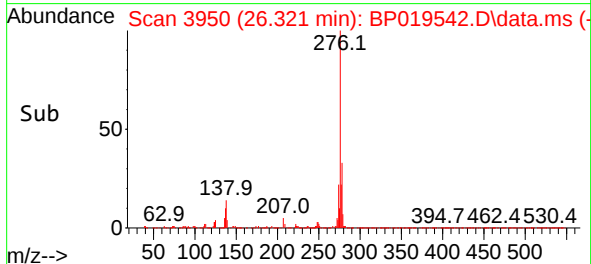
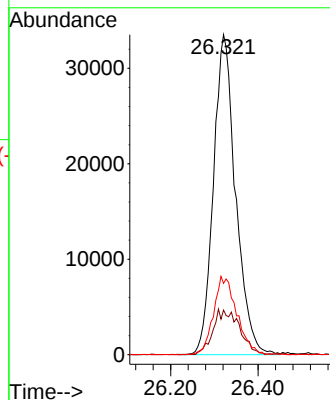
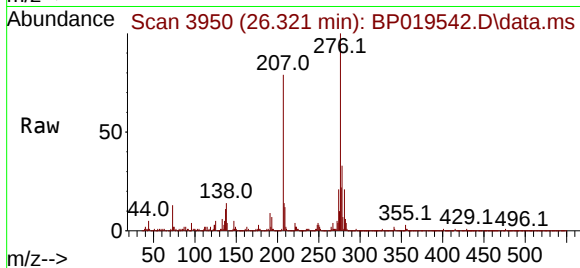
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	276	Resp:	118049
Ion Ratio	Lower	Upper	
276	100		
138	6.0	13.1	19.7
277	25.6	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: 3.634 ng m

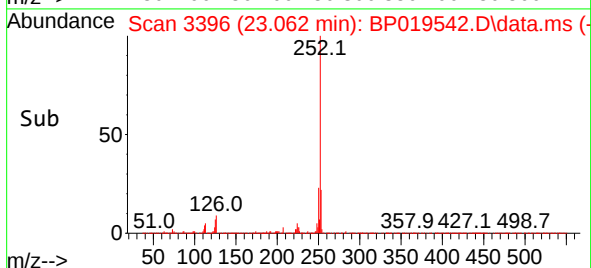
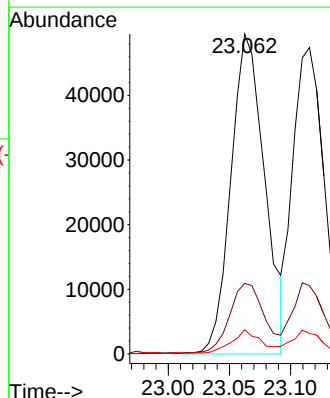
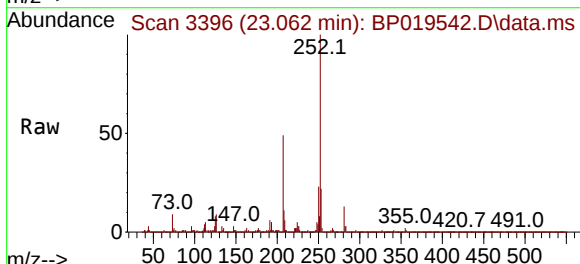
RT: 23.062 min Scan# 3396

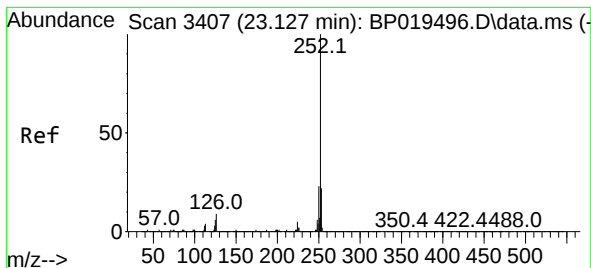
Delta R.T. -0.018 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:	252	Resp:	94948
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.3	25.9
125	7.5	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 3.383 ng

RT: 23.115 min Scan# 3407

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

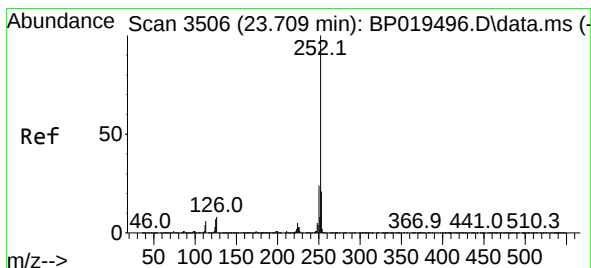
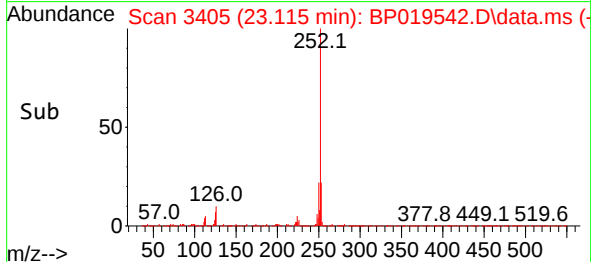
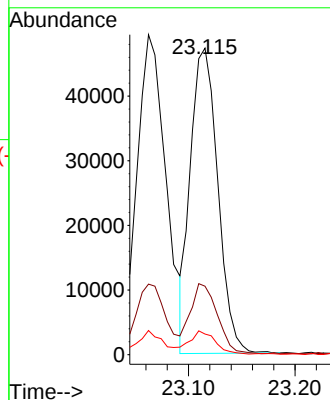
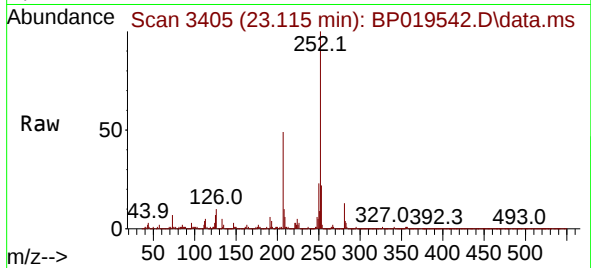
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:252	Resp:	8443
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.1 25.7
125	6.8	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: 3.451 ng

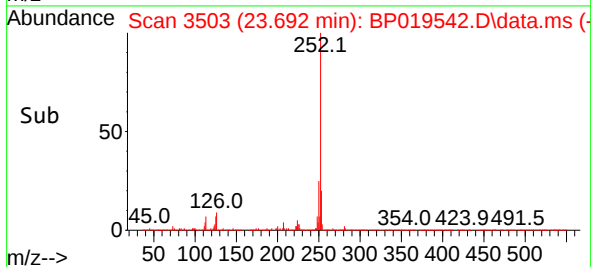
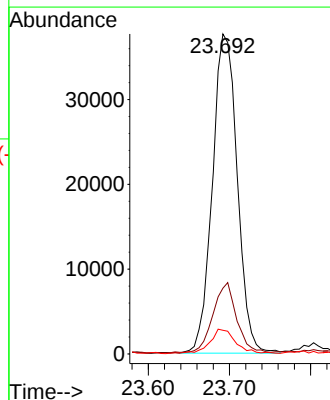
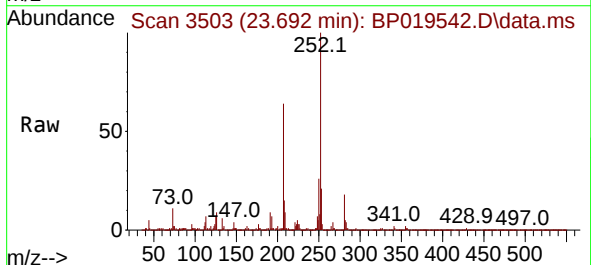
RT: 23.692 min Scan# 3503

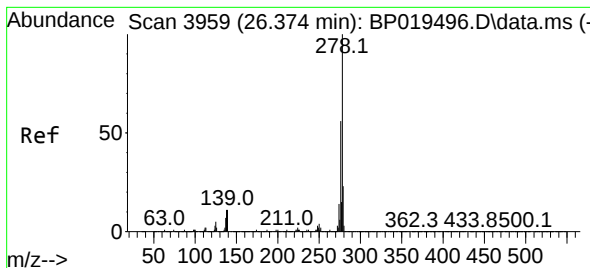
Delta R.T. -0.017 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:252	Resp:	80234
Ion Ratio	Lower	Upper
252	100	
253	20.5	17.1 25.7
125	7.4	5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.837 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

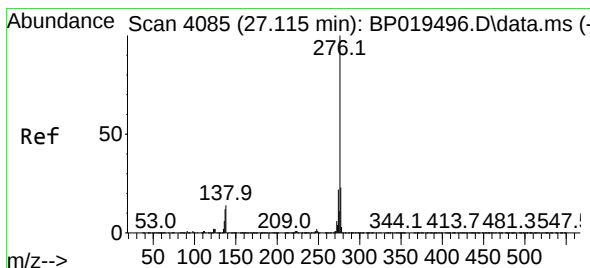
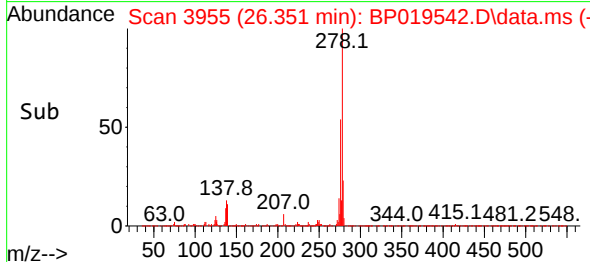
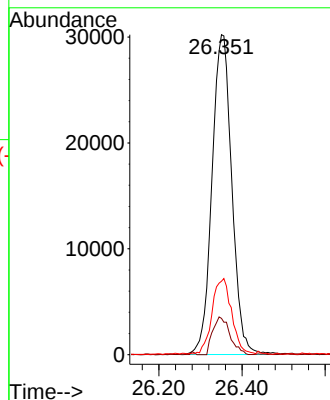
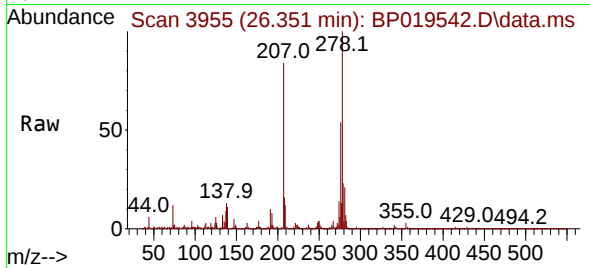
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	278	Resp:	10014
Ion Ratio	Lower	Upper	
278	100		
139	11.3	8.6	12.8
279	23.0	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: 3.692 ng

RT: 27.092 min Scan# 4081

Delta R.T. -0.023 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:	276	Resp:	97762
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.6	28.0
138	13.0	10.9	16.3

