

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015294.D
 Acq On : 25 May 2023 16:31
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: May 25 17:02:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	199704	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	748648	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	438288	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	898280	20.000	ng	0.00
76) Chrysene-d12	21.580	240	845083	20.000	ng	0.00
86) Perylene-d12	24.139	264	1003644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1201000	99.653	ng	0.00
7) Phenol-d6	7.258	99	1525753	96.603	ng	0.00
23) Nitrobenzene-d5	9.287	82	1067375	69.613	ng	0.00
42) 2,4,6-Tribromophenol	16.240	330	570603	95.802	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	2253266	69.021	ng	0.00
79) Terphenyl-d14	20.039	244	2951188	65.687	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	38753	7.260	ng	94
3) Pyridine	3.887	79	87931	6.446	ng	95
4) n-Nitrosodimethylamine	3.787	42	43660	6.858	ng	99
6) Aniline	7.428	93	139670	6.997	ng	99
8) 2-Chlorophenol	7.664	128	90027	7.148	ng	96
9) Benzaldehyde	7.240	77	84209	6.351	ng	97
10) Phenol	7.287	94	113276	7.161	ng	95
11) bis(2-Chloroethyl)ether	7.522	93	95589	7.210	ng	99
12) 1,3-Dichlorobenzene	7.993	146	105608	7.536	ng	99
13) 1,4-Dichlorobenzene	8.146	146	107300	7.607	ng	98
14) 1,2-Dichlorobenzene	8.463	146	100206	7.445	ng	95
15) Benzyl Alcohol	8.352	79	69144	6.272	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.646	45	126650	7.408	ng	100
17) 2-Methylphenol	8.552	107	72557	6.446	ng	94
18) Hexachloroethane	9.199	117	38552	7.252	ng	95
19) n-Nitroso-di-n-propyla...	8.922	70	68697	6.796	ng	98
20) 3+4-Methylphenols	8.881	107	94832	6.236	ng	97
22) Acetophenone	8.940	105	143807	7.396	ng	# 99
24) Nitrobenzene	9.328	77	110797	7.257	ng	97
25) Isophorone	9.852	82	178237	6.478	ng	98
26) 2-Nitrophenol	10.046	139	40673	6.070	ng	95
27) 2,4-Dimethylphenol	10.099	122	78478	6.985	ng	97
28) bis(2-Chloroethoxy)met...	10.340	93	121756	7.180	ng	99
29) 2,4-Dichlorophenol	10.581	162	76596	6.575	ng	99
30) 1,2,4-Trichlorobenzene	10.799	180	94885	7.302	ng	97
31) Naphthalene	10.987	128	286490	7.266	ng	99
32) Benzoic acid	10.175	122	23377	8.623	ng	98
33) 4-Chloroaniline	11.105	127	103219	6.332	ng	99
34) Hexachlorobutadiene	11.269	225	59392	7.214	ng	99
35) Caprolactam	11.869	113	19184	5.364	ng	91
36) 4-Chloro-3-methylphenol	12.210	107	80627	6.366	ng	97
37) 2-Methylnaphthalene	12.587	142	193947	6.921	ng	97
38) 1-Methylnaphthalene	12.804	142	178046	6.810	ng	96
40) 1,2,4,5-Tetrachloroben...	12.951	216	106013	7.372	ng	97
41) Hexachlorocyclopentadiene	12.922	237	52077	6.837	ng	97
43) 2,4,6-Trichlorophenol	13.187	196	59774	6.403	ng	98

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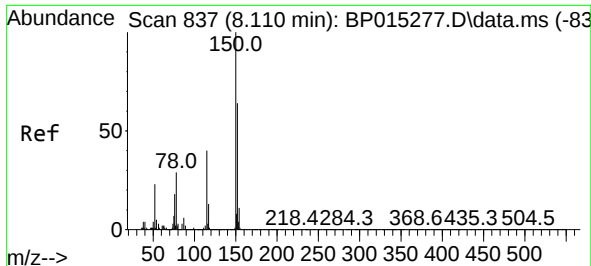
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.263	196	64989	5.922	ng	97
46) 1,1'-Biphenyl	13.587	154	252966	7.285	ng	99
47) 2-Chloronaphthalene	13.634	162	194629	7.430	ng	97
48) 2-Nitroaniline	13.834	65	44577	5.570	ng	96
49) Acenaphthylene	14.475	152	284338	6.783	ng	98
50) Dimethylphthalate	14.198	163	224908	6.559	ng	99
51) 2,6-Dinitrotoluene	14.322	165	45201	6.244	ng	98
52) Acenaphthene	14.816	154	175154	7.016	ng	96
53) 3-Nitroaniline	14.657	138	41205	5.569	ng	91
54) 2,4-Dinitrophenol	14.869	184	16611	8.376	ng	97
55) Dibenzofuran	15.146	168	286714	7.020	ng	99
56) 4-Nitrophenol	14.963	139	28575	7.636	ng	94
57) 2,4-Dinitrotoluene	15.116	165	53199	5.589	ng	99
58) Fluorene	15.798	166	223827	7.096	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.375	232	55138	6.282	ng	99
60) Diethylphthalate	15.557	149	218911	6.409	ng	100
61) 4-Chlorophenyl-phenyle...	15.787	204	113824	7.048	ng	98
62) 4-Nitroaniline	15.816	138	37606	6.805	ng	94
63) Azobenzene	16.081	77	215038	6.599	ng	99
65) 4,6-Dinitro-2-methylph...	15.881	198	27858	5.106	ng	96
66) n-Nitrosodiphenylamine	15.998	169	184859	6.906	ng	99
67) 4-Bromophenyl-phenylether	16.687	248	66827	6.880	ng	98
68) Hexachlorobenzene	16.804	284	77877	7.281	ng	99
69) Atrazine	16.951	200	62765	7.344	ng	98
70) Pentachlorophenol	17.151	266	36797	5.020	ng	97
71) Phenanthrene	17.545	178	340950	7.122	ng	99
72) Anthracene	17.639	178	329007	6.862	ng	99
73) Carbazole	17.904	167	286205	6.741	ng	99
74) Di-n-butylphthalate	18.439	149	335134	6.146	ng	99
75) Fluoranthene	19.498	202	372300	6.657	ng	99
77) Benzidine	19.681	184	149140	11.145	ng	98
78) Pyrene	19.851	202	396703	6.561	ng	99
80) Butylbenzylphthalate	20.710	149	140694	5.491	ng	99
81) Benzo(a)anthracene	21.563	228	393938	6.709	ng	99
82) 3,3'-Dichlorobenzidine	21.492	252	141026	7.776	ng	99
83) Chrysene	21.622	228	381805	6.781	ng	99
84) Bis(2-ethylhexyl)phtha...	21.463	149	215547	5.711	ng	98
85) Di-n-octyl phthalate	22.439	149	357420	5.598	ng	99
87) Indeno(1,2,3-cd)pyrene	26.839	276	488835	6.720	ng	99
88) Benzo(b)fluoranthene	23.345	252	407956	6.685	ng	98
89) Benzo(k)fluoranthene	23.398	252	407612	6.633	ng	99
90) Benzo(a)pyrene	24.022	252	347487	5.898	ng	99
91) Dibenzo(a,h)anthracene	26.857	278	405776	6.792	ng	98
92) Benzo(g,h,i)perylene	27.668	276	402064	6.624	ng	97

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

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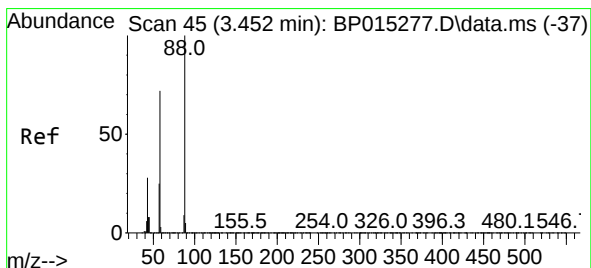
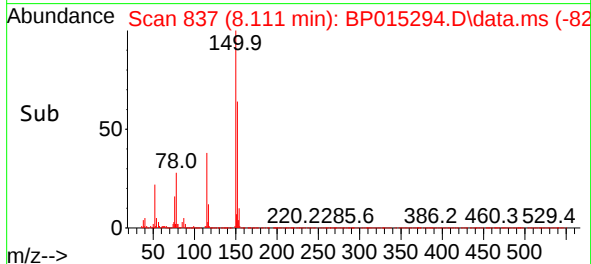
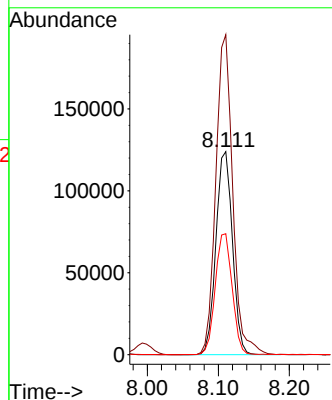
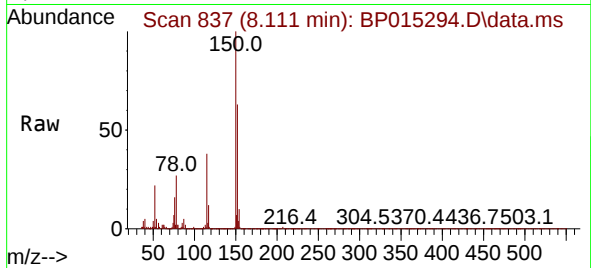
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.111 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

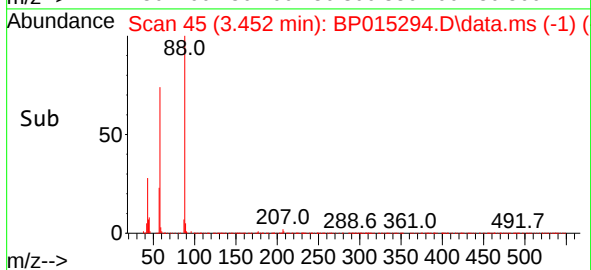
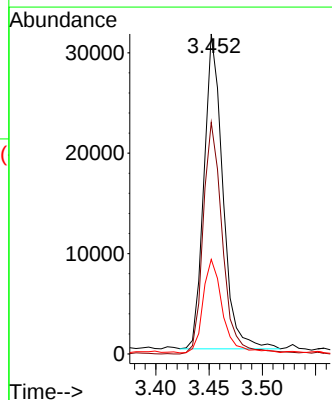
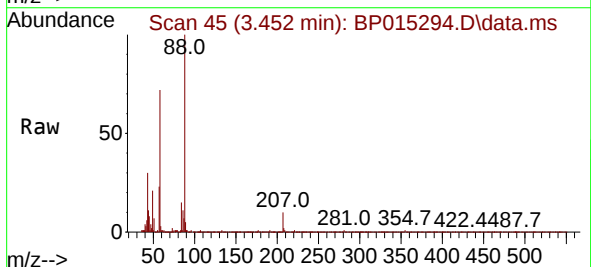
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

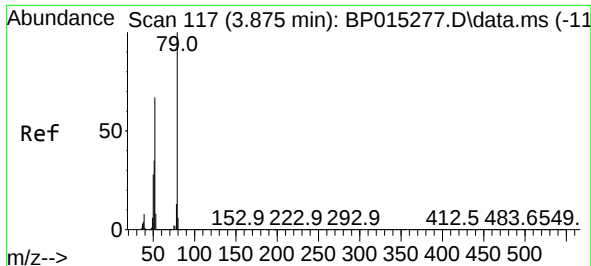
Tgt Ion:152 Resp: 199704
 Ion Ratio Lower Upper
 152 100
 150 157.6 124.2 186.2
 115 59.5 49.1 73.7



#2
 1,4-Dioxane
 Concen: 7.260 ng
 RT: 3.452 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

Tgt Ion: 88 Resp: 38753
 Ion Ratio Lower Upper
 88 100
 58 75.8 56.2 84.4
 43 30.5 22.1 33.1

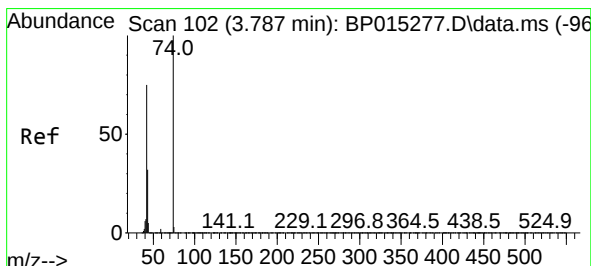
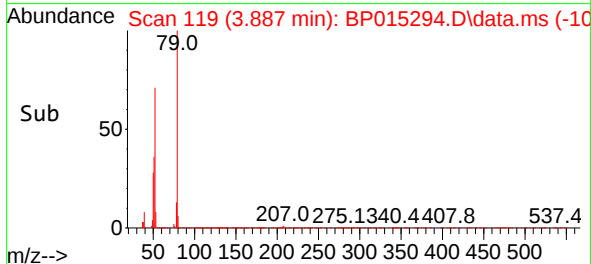
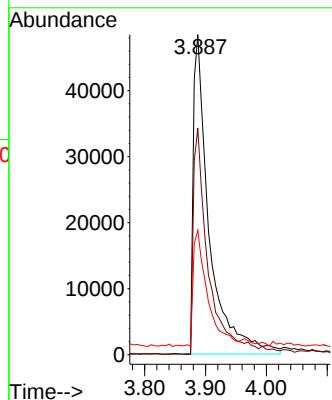
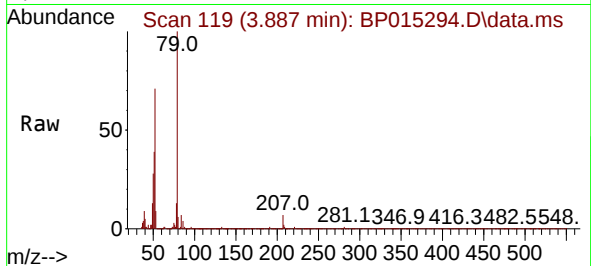




#3
Pyridine
Concen: 6.446 ng
RT: 3.887 min Scan# 117
Delta R.T. 0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

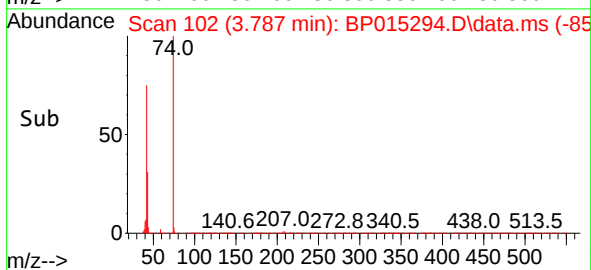
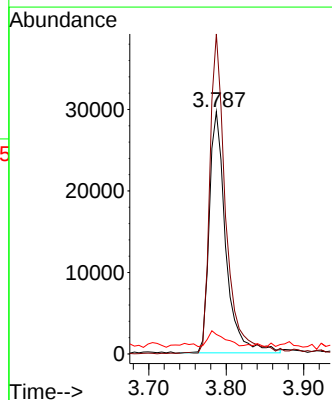
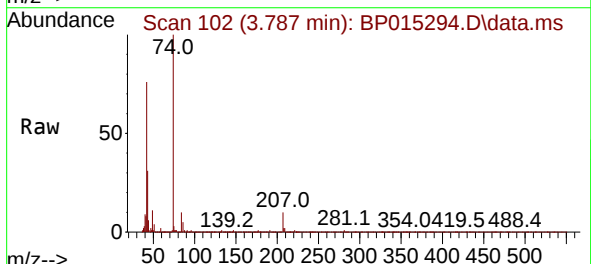
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BNA_P
ClientSampleId :
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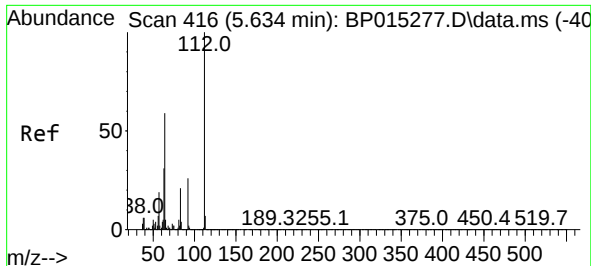
Tgt Ion: 79 Resp: 87931
Ion Ratio Lower Upper
79 100
52 70.7 53.7 80.5
51 38.8 28.6 43.0



#4
n-Nitrosodimethylamine
Concen: 6.858 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion: 42 Resp: 43660
Ion Ratio Lower Upper
42 100
74 132.1 106.6 160.0
44 8.1 5.8 8.8

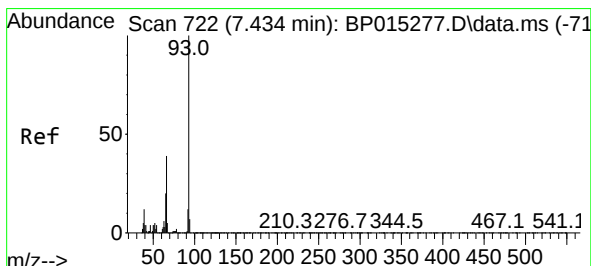
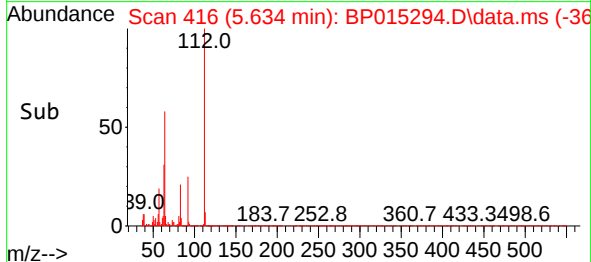
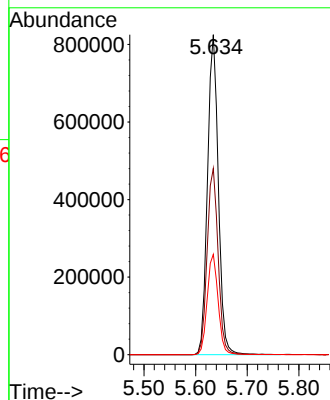
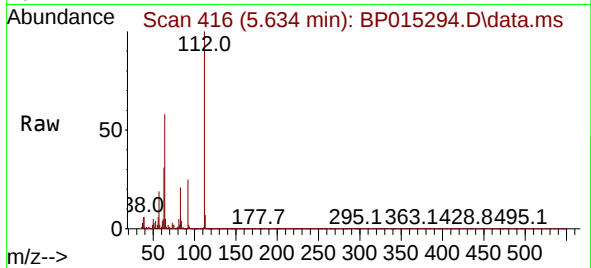




#5
2-Fluorophenol
Concen: 99.653 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

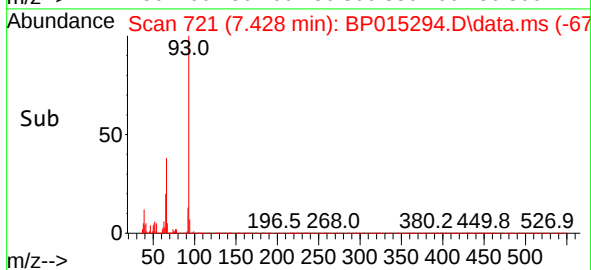
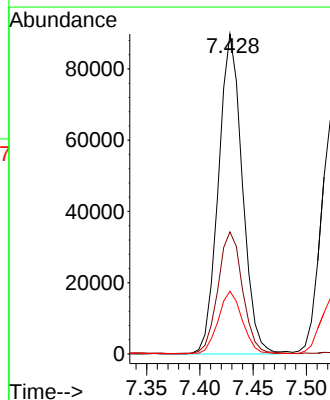
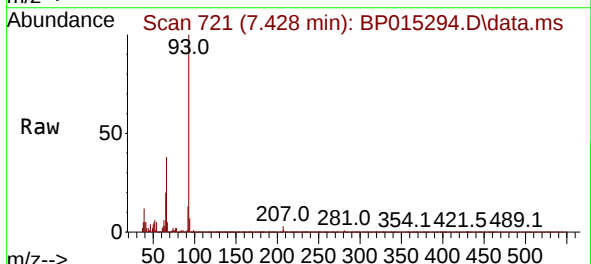
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BNA_P
ClientSampleId :
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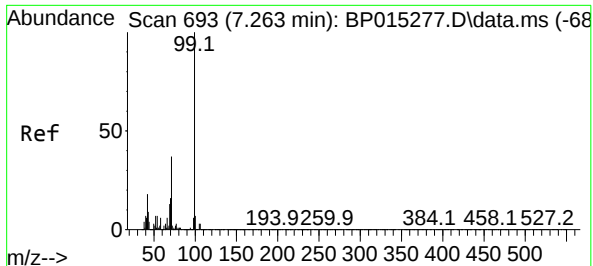
Tgt Ion:112 Resp: 1201000
Ion Ratio Lower Upper
112 100
64 58.2 47.2 70.8
63 31.3 24.6 37.0



#6
Aniline
Concen: 6.997 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion: 93 Resp: 139670
Ion Ratio Lower Upper
93 100
66 38.2 31.3 46.9
65 19.6 16.0 24.0



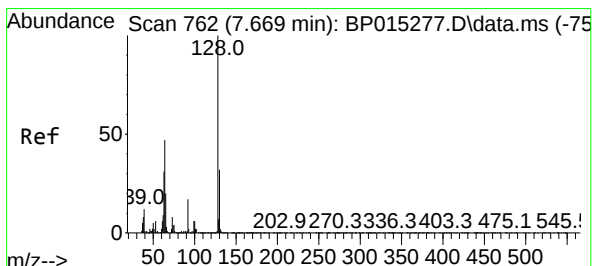
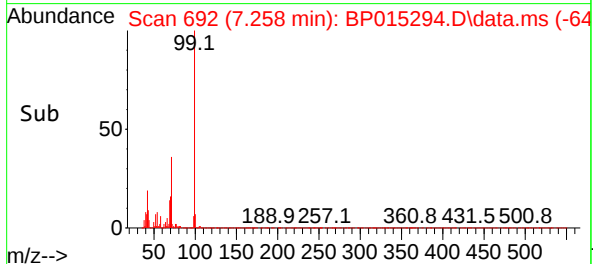
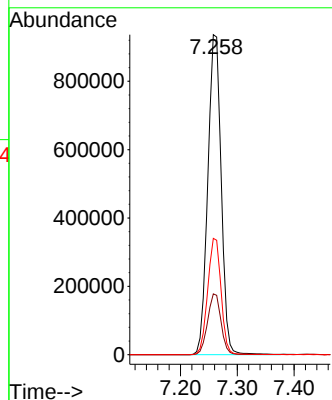
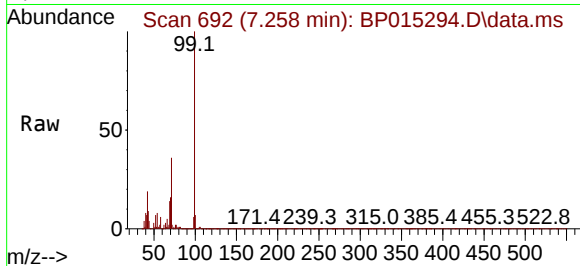


#7
Phenol-d6
Concen: 96.603 ng
RT: 7.258 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 99 Resp: 1525753

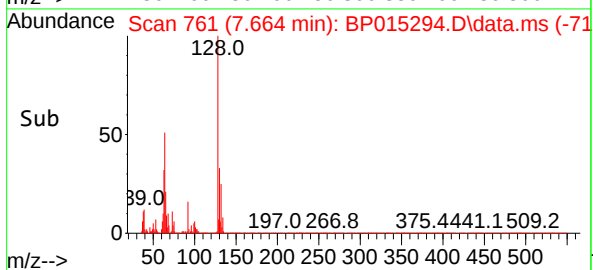
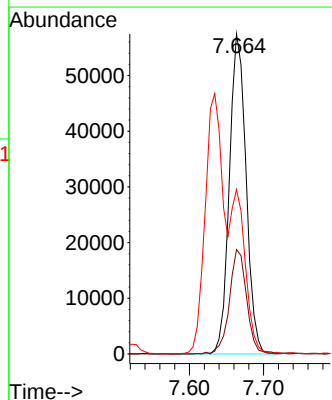
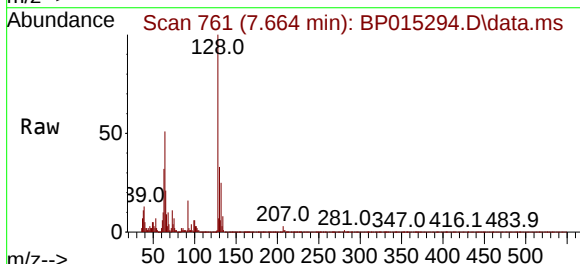
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.6	22.0
71	36.4	29.4	44.2

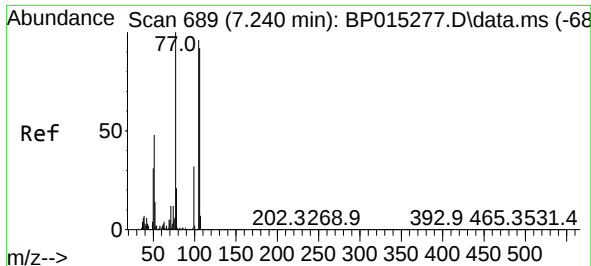


#8
2-Chlorophenol
Concen: 7.148 ng
RT: 7.664 min Scan# 761
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion: 128 Resp: 90027

Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.5	51.5
64	51.4	27.3	67.3

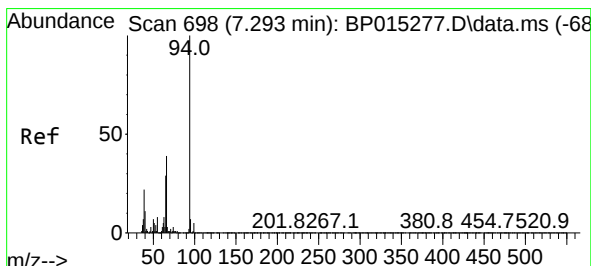
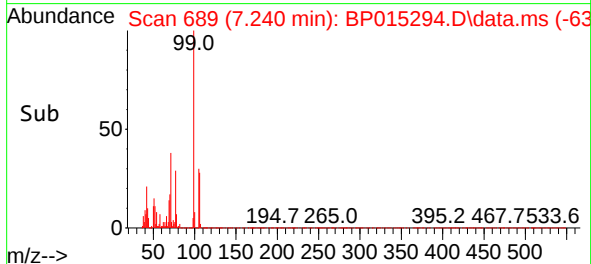
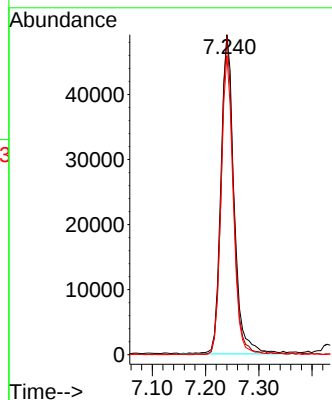
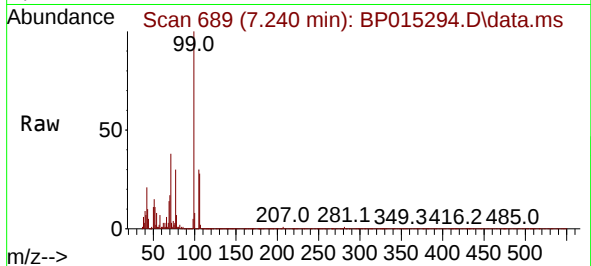




#9
Benzaldehyde
Concen: 6.351 ng
RT: 7.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

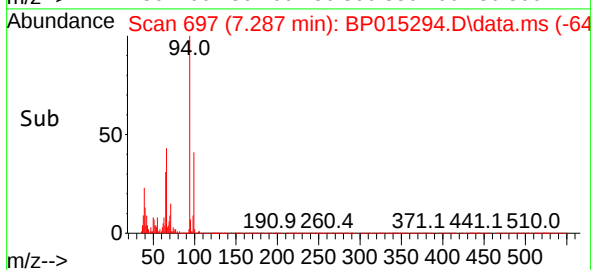
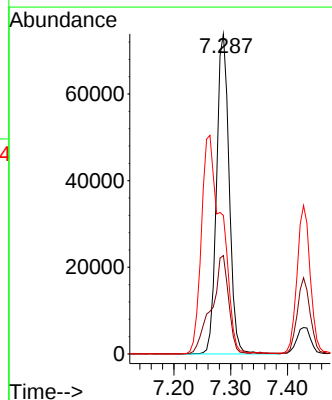
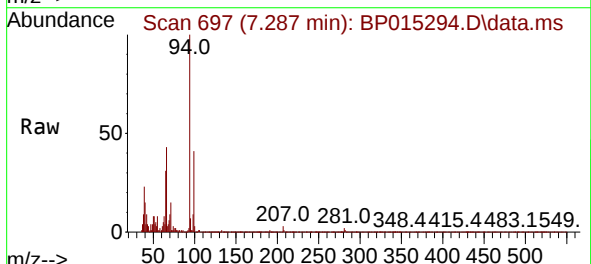
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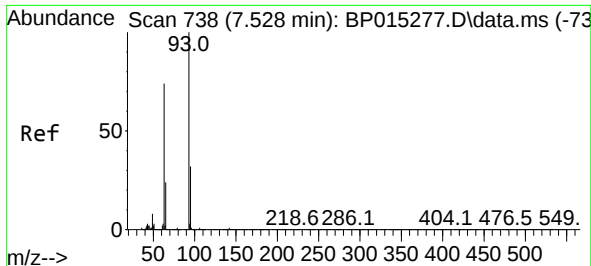
Tgt Ion: 77 Resp: 84209
Ion Ratio Lower Upper
77 100
105 99.7 75.9 115.9
106 93.5 72.3 112.3



#10
Phenol
Concen: 7.161 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion: 94 Resp: 113276
Ion Ratio Lower Upper
94 100
65 30.7 9.1 49.1
66 43.3 19.3 59.3

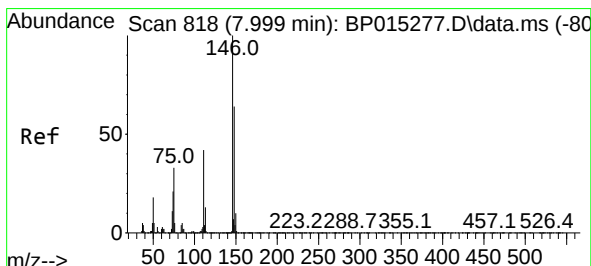
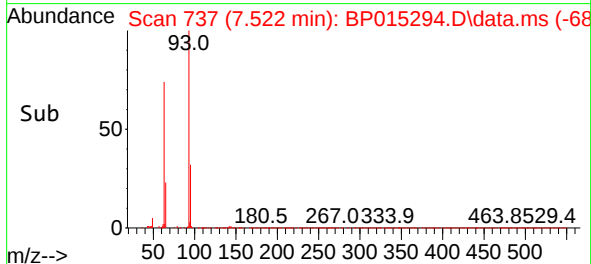
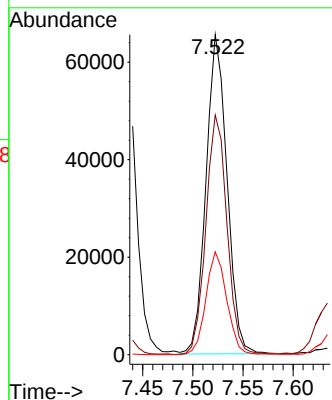
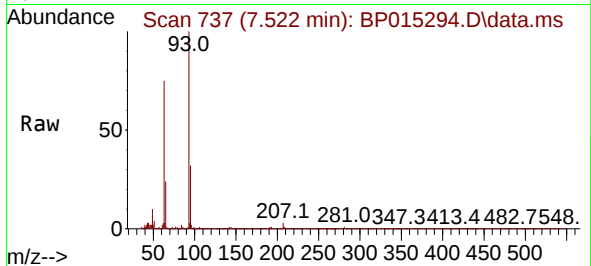




#11
bis(2-Chloroethyl)ether
Concen: 7.210 ng
RT: 7.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

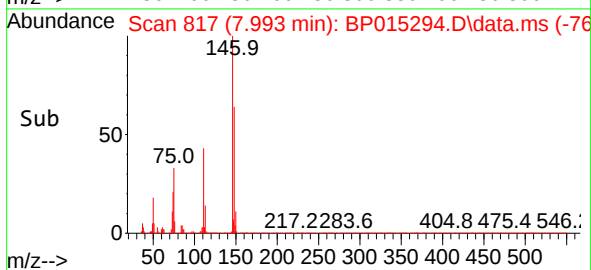
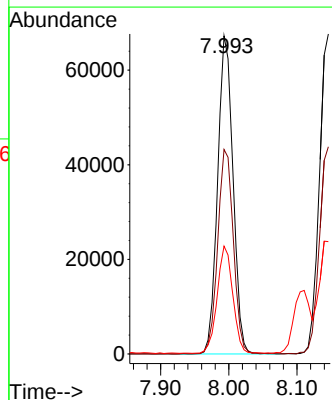
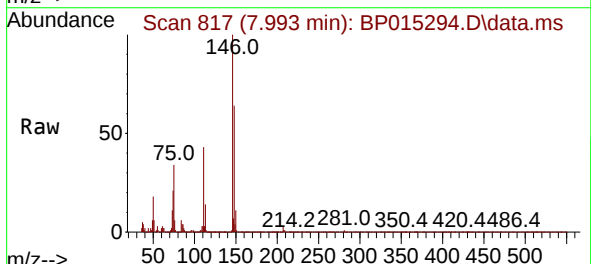
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

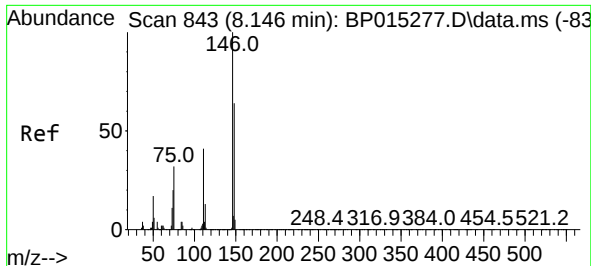
Tgt Ion: 93 Resp: 95589
Ion Ratio Lower Upper
93 100
63 74.9 53.9 93.9
95 32.2 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 7.536 ng
RT: 7.993 min Scan# 817
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:146 Resp: 105608
Ion Ratio Lower Upper
146 100
148 64.3 50.8 76.2
75 33.9 26.1 39.1

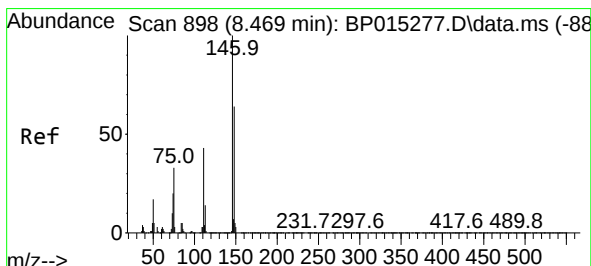
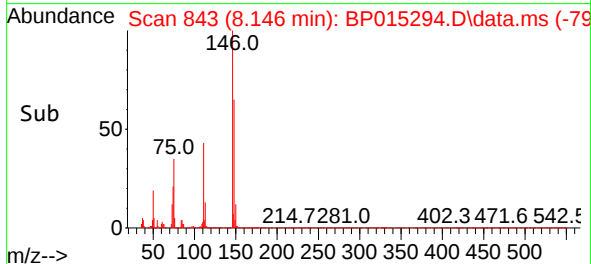
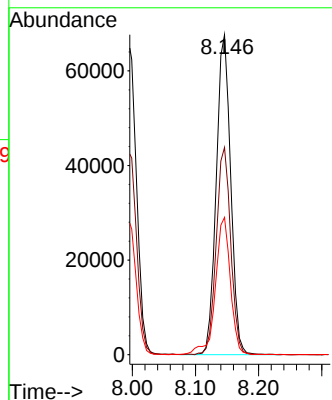
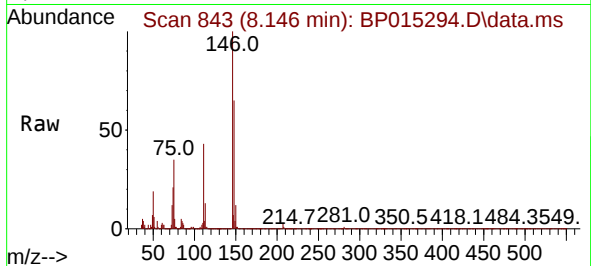




#13
1,4-Dichlorobenzene
Concen: 7.607 ng
RT: 8.146 min Scan# 843
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

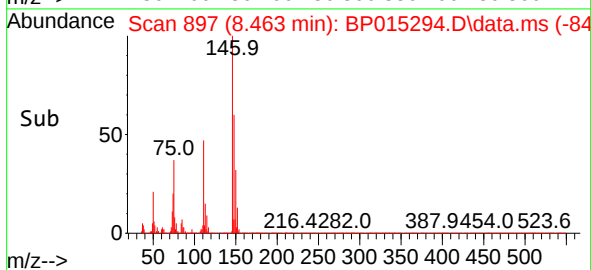
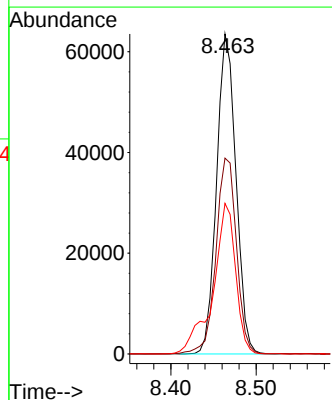
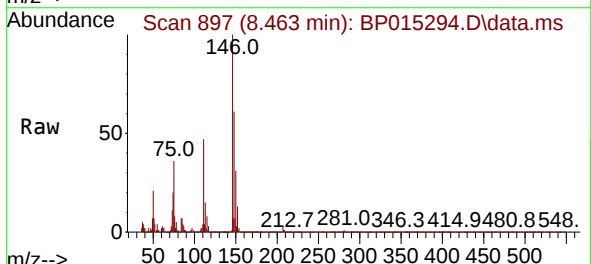
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

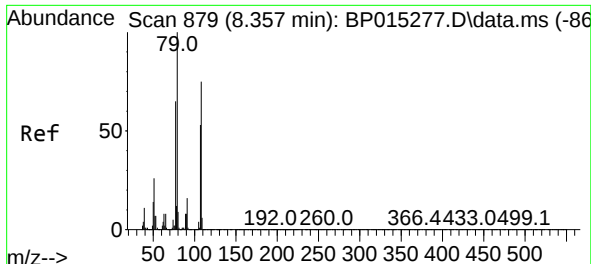
Tgt Ion:146 Resp: 107300
Ion Ratio Lower Upper
146 100
148 64.8 51.0 76.6
111 42.9 33.3 49.9



#14
1,2-Dichlorobenzene
Concen: 7.445 ng
RT: 8.463 min Scan# 897
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:146 Resp: 100206
Ion Ratio Lower Upper
146 100
148 61.2 51.4 77.2
111 47.0 34.2 51.2

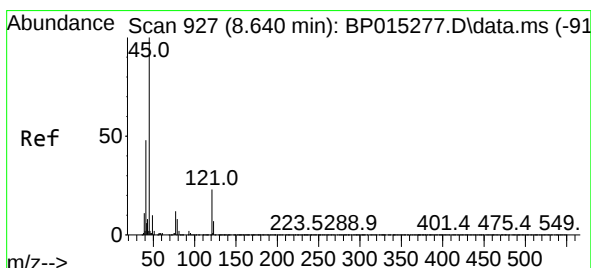
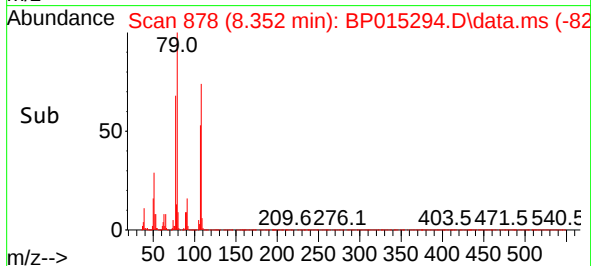
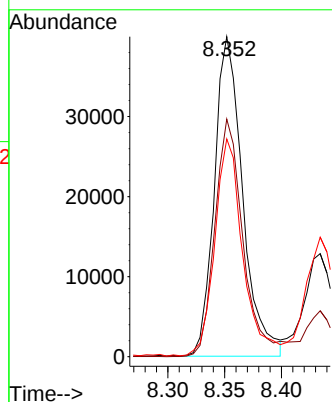
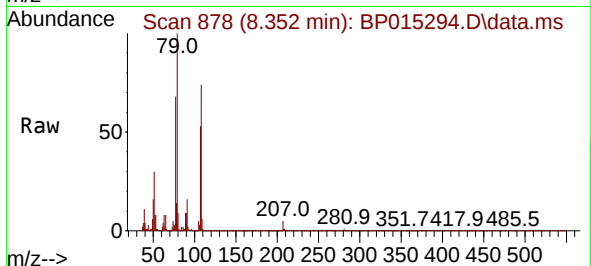




#15
Benzyl Alcohol
Concen: 6.272 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

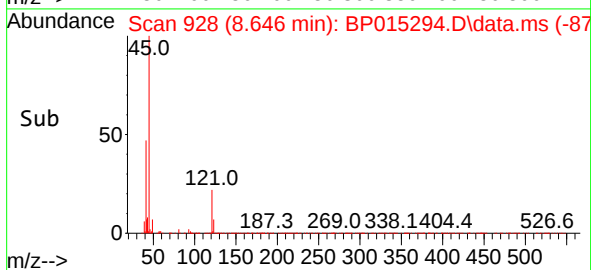
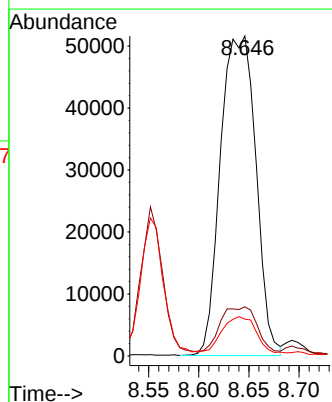
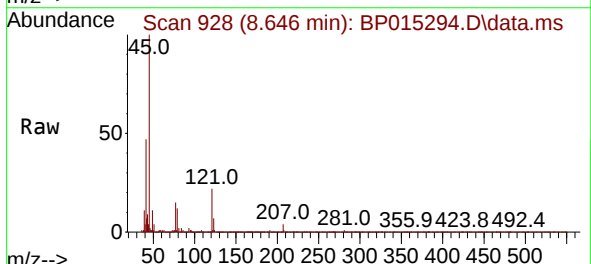
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

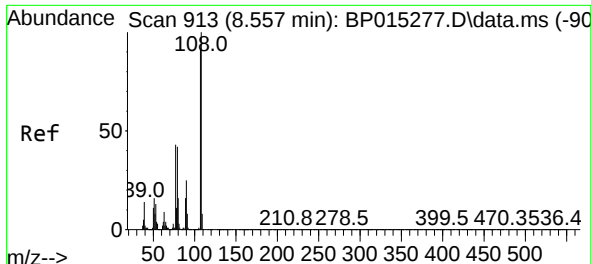
Tgt Ion: 79 Resp: 69144
Ion Ratio Lower Upper
79 100
108 74.3 60.2 90.2
77 68.0 52.1 78.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.408 ng
RT: 8.646 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion: 45 Resp: 126650
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.3
79 11.5 0.0 31.2

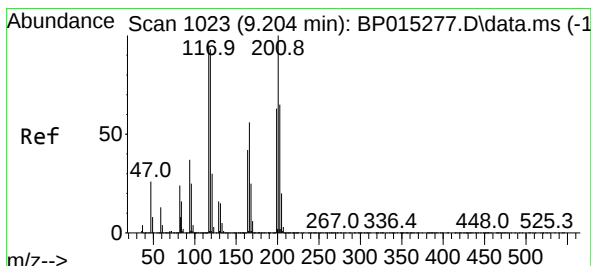
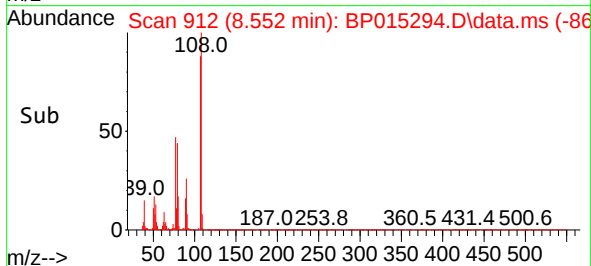
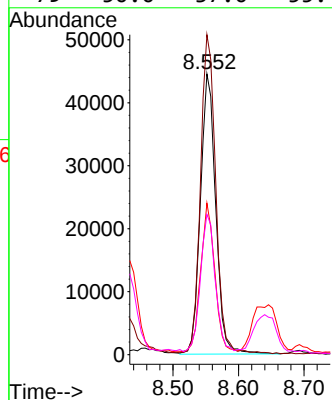
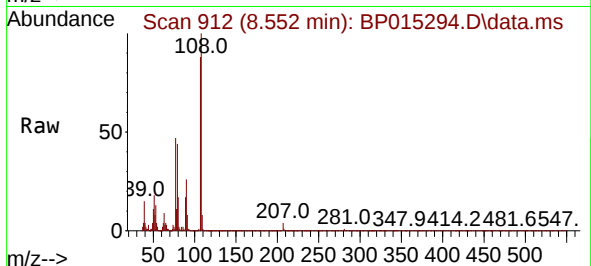




#17
2-Methylphenol
Concen: 6.446 ng
RT: 8.552 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

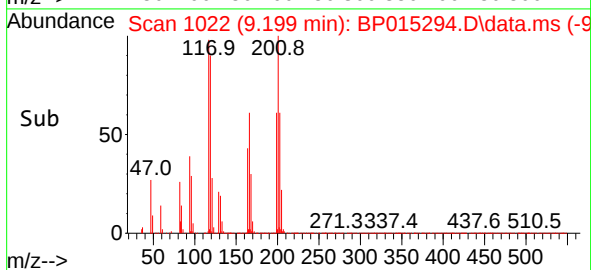
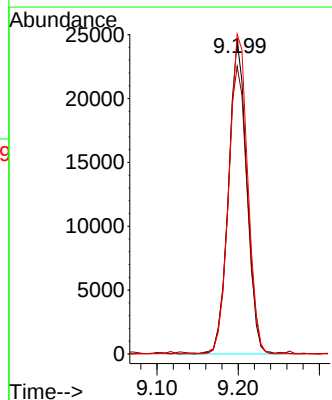
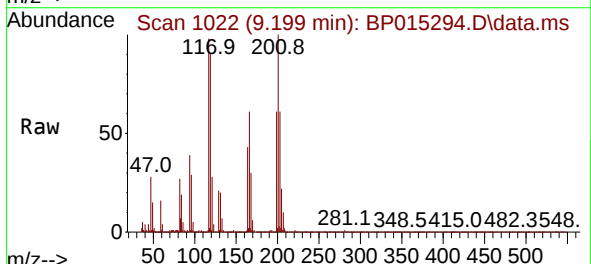
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

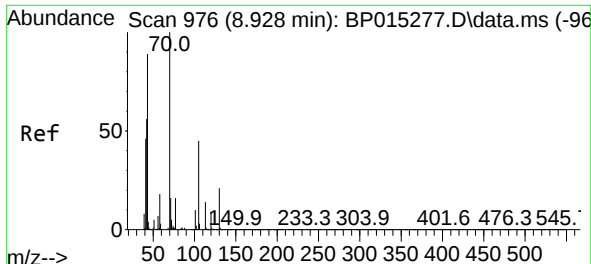
Tgt Ion:	107	Resp:	72557
Ion	Ratio	Lower	Upper
107	100		
108	113.9	87.3	130.9
77	54.0	38.1	57.1
79	50.0	37.0	55.4



#18
Hexachloroethane
Concen: 7.252 ng
RT: 9.199 min Scan# 1022
Delta R.T. -0.005 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:	117	Resp:	38552
Ion	Ratio	Lower	Upper
117	100		
119	91.8	78.8	118.2
201	102.2	84.5	126.7





#19

n-Nitroso-di-n-propylamine

Concen: 6.796 ng

RT: 8.922 min Scan# 91

Delta R.T. -0.006 min

Lab File: BP015294.D

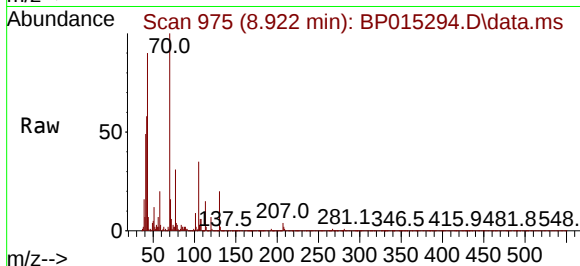
Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023



Tgt Ion: 70 Resp: 68697

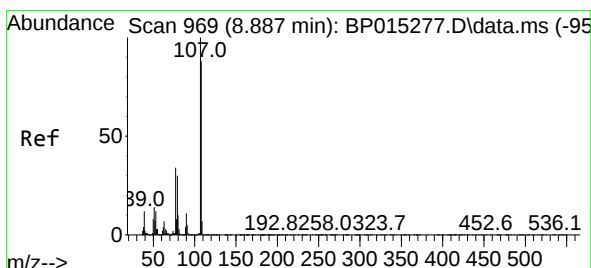
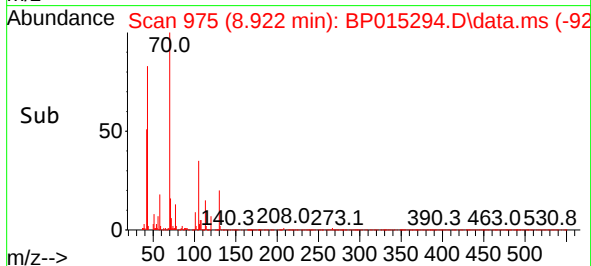
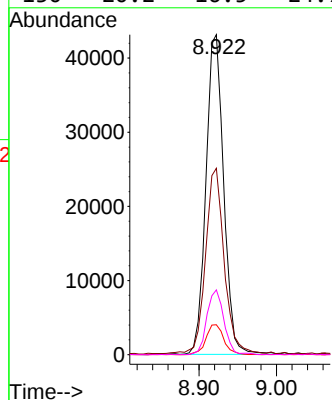
Ion Ratio Lower Upper

70 100

42 58.3 45.4 68.2

101 9.3 7.9 11.9

130 20.2 16.5 24.7



#20

3+4-Methylphenols

Concen: 6.236 ng

RT: 8.881 min Scan# 968

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Tgt Ion: 107 Resp: 94832

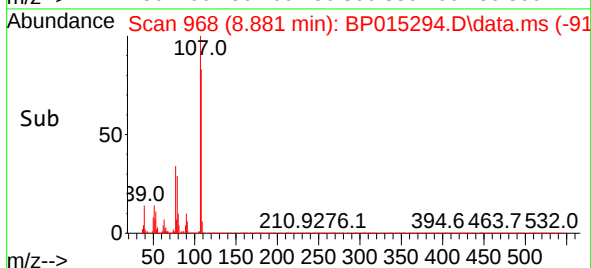
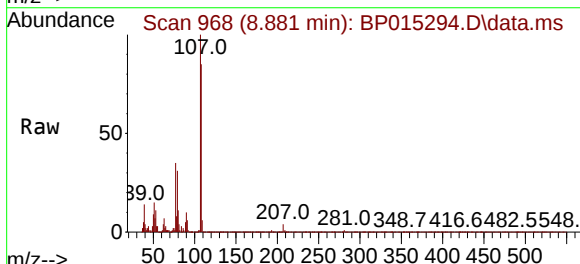
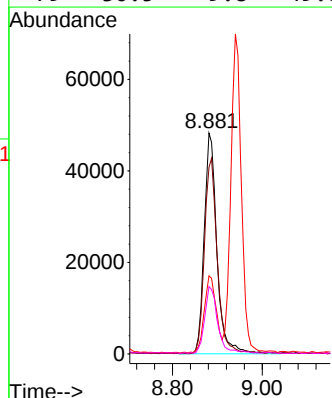
Ion Ratio Lower Upper

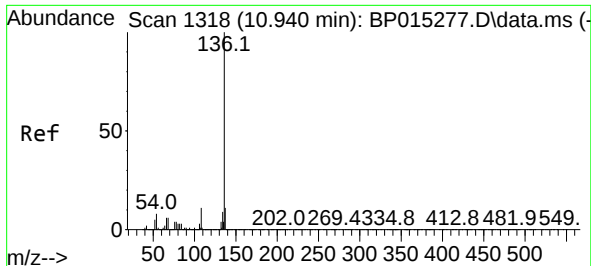
107 100

108 84.6 68.0 108.0

77 35.3 14.5 54.5

79 30.5 9.8 49.8

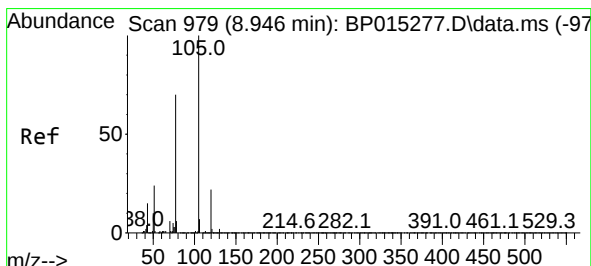
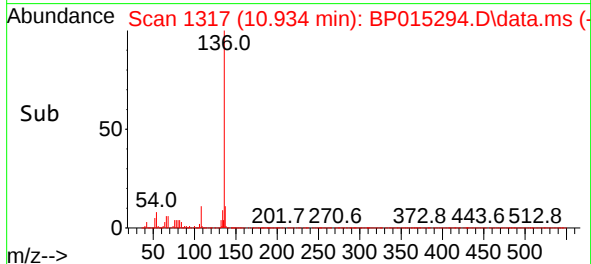
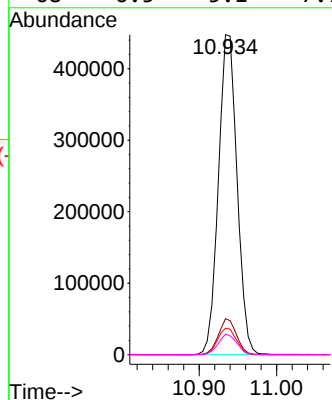
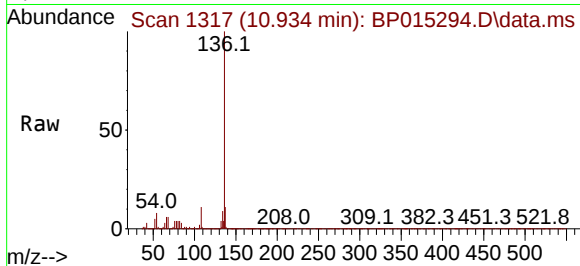




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

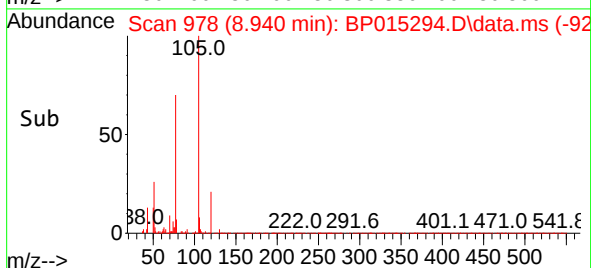
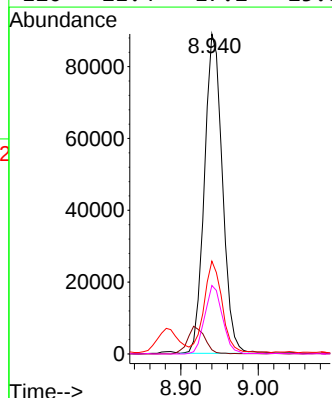
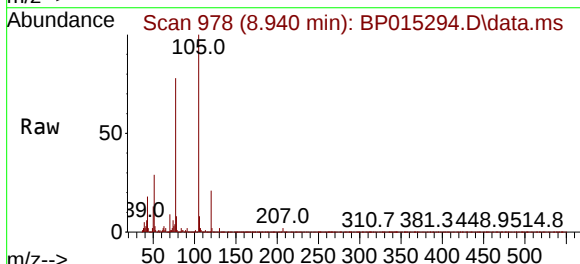
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

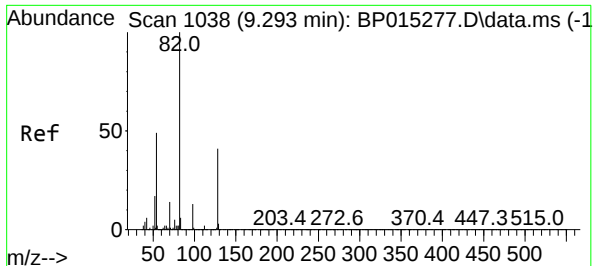
Tgt Ion:	136	Resp:	748648
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.3	6.3	9.5
68	6.5	5.1	7.7



#22
Acetophenone
Concen: 7.396 ng
RT: 8.940 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:	105	Resp:	143807
Ion	Ratio	Lower	Upper
105	100		
71	1.3	1.5	2.3
51	29.0	22.5	33.7
120	21.4	17.2	25.8





#23

Nitrobenzene-d5

Concen: 69.613 ng

RT: 9.287 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

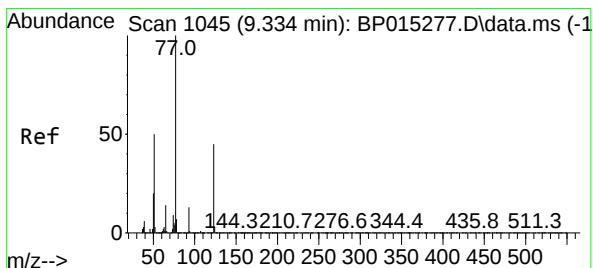
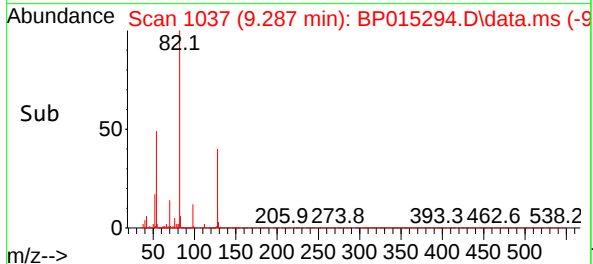
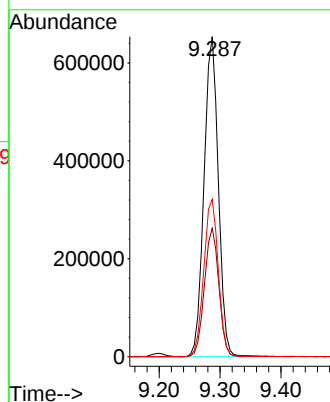
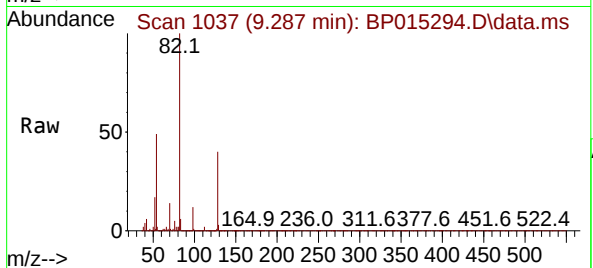
Tgt Ion: 82 Resp: 1067375

Ion Ratio Lower Upper

82 100

128 40.1 33.0 49.4

54 49.2 39.2 58.8



#24

Nitrobenzene

Concen: 7.257 ng

RT: 9.328 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

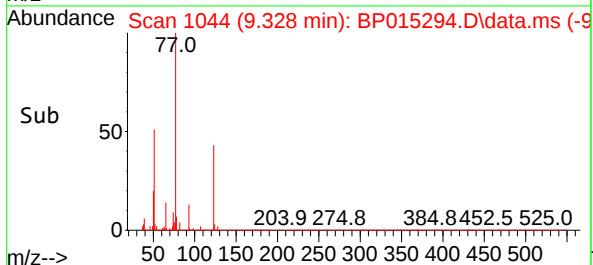
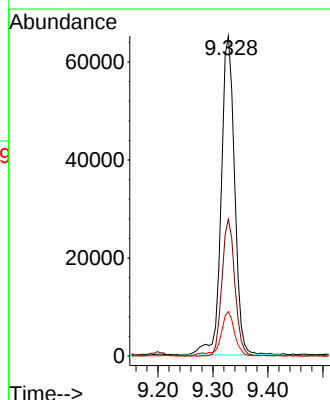
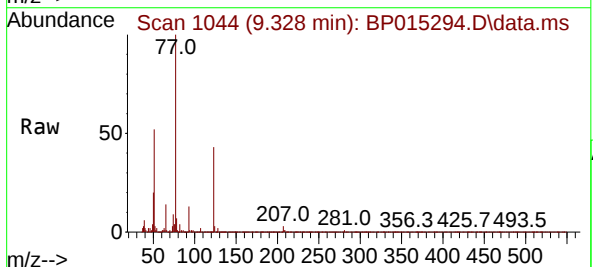
Tgt Ion: 77 Resp: 110797

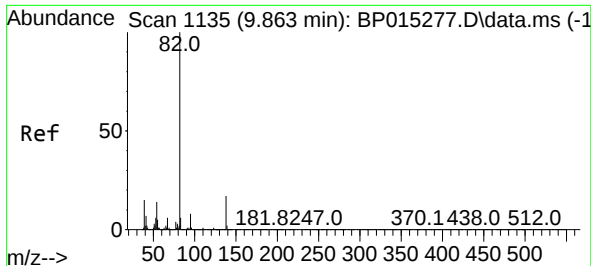
Ion Ratio Lower Upper

77 100

123 42.8 36.2 54.4

65 13.8 10.8 16.2

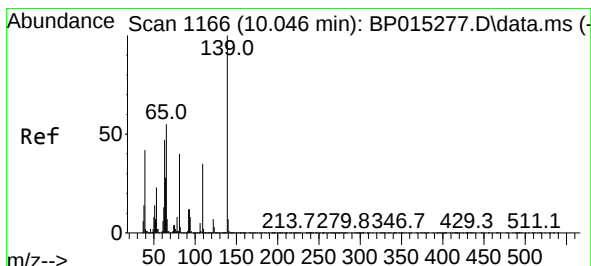
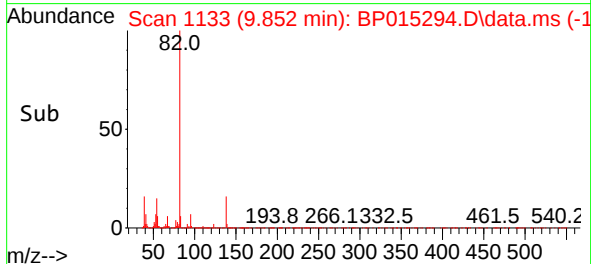
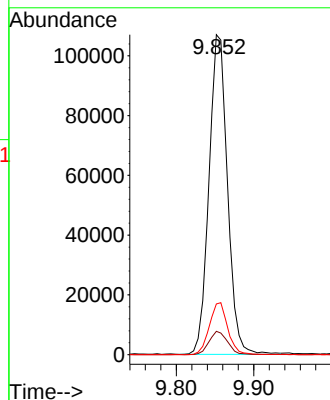
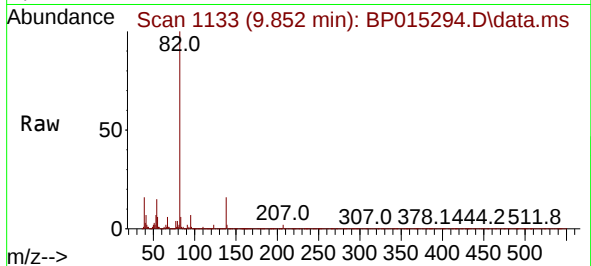




#25
Isophorone
Concen: 6.478 ng
RT: 9.852 min Scan# 1133
Delta R.T. -0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

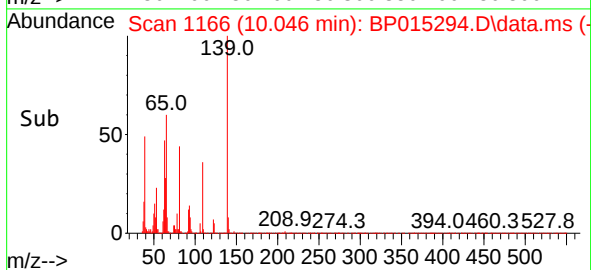
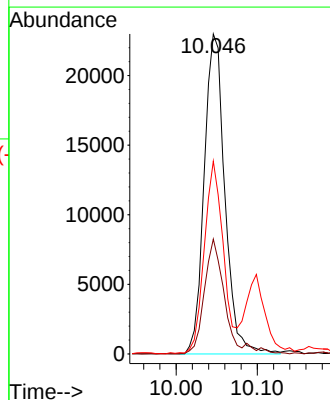
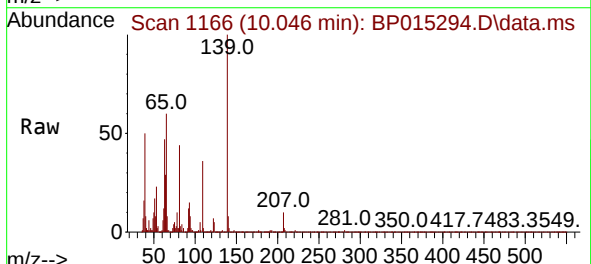
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

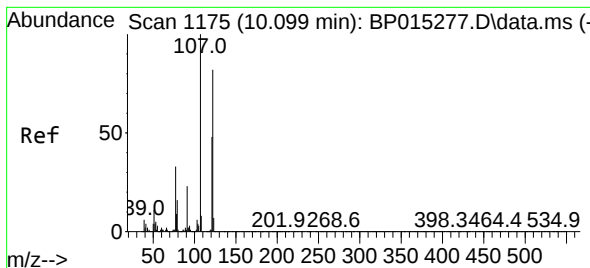
Tgt Ion: 82 Resp: 178237
Ion Ratio Lower Upper
82 100
95 7.3 6.3 9.5
138 15.9 13.6 20.4



#26
2-Nitrophenol
Concen: 6.070 ng
RT: 10.046 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion: 139 Resp: 40673
Ion Ratio Lower Upper
139 100
109 35.9 28.4 42.6
65 60.2 43.8 65.8





#27

2,4-Dimethylphenol

Concen: 6.985 ng

RT: 10.099 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

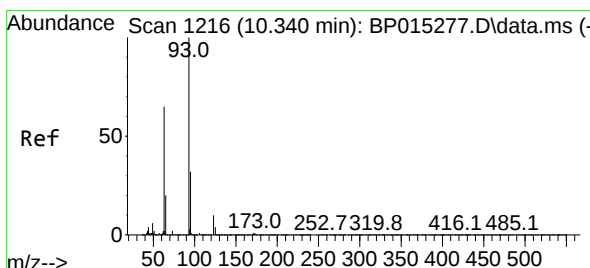
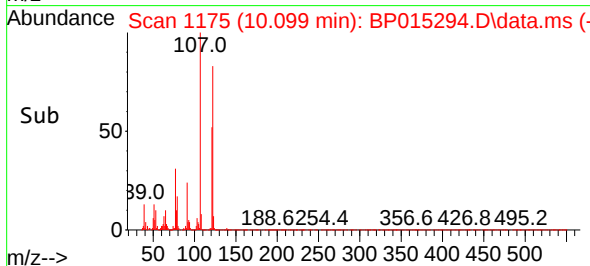
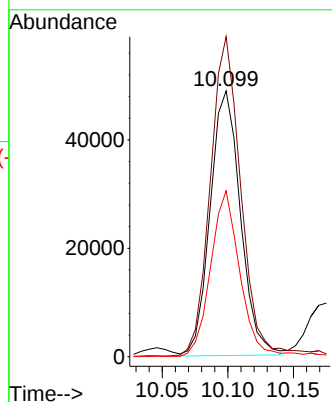
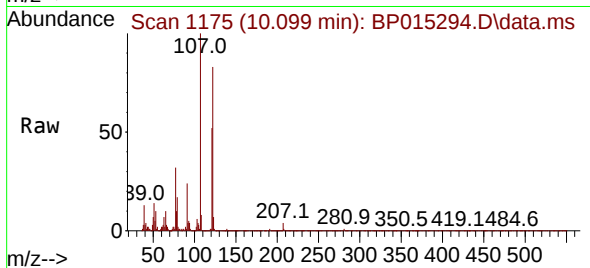
Tgt Ion:122 Resp: 78478

Ion Ratio Lower Upper

122 100

107 120.4 95.9 143.9

121 62.4 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 7.180 ng

RT: 10.340 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

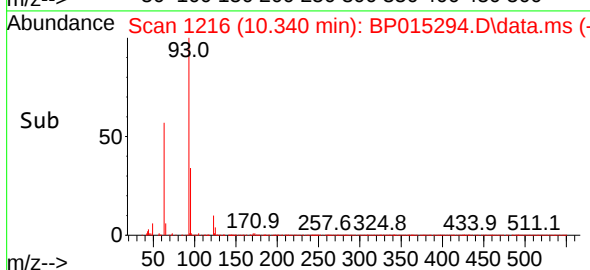
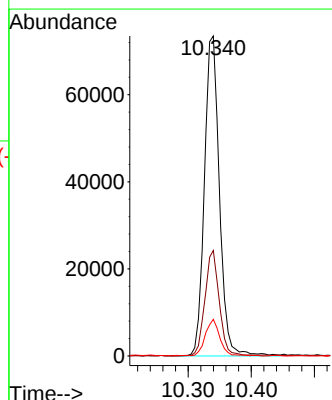
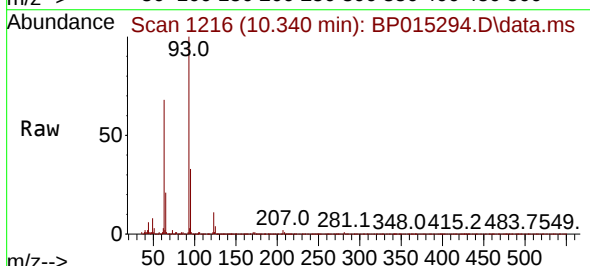
Tgt Ion: 93 Resp: 121756

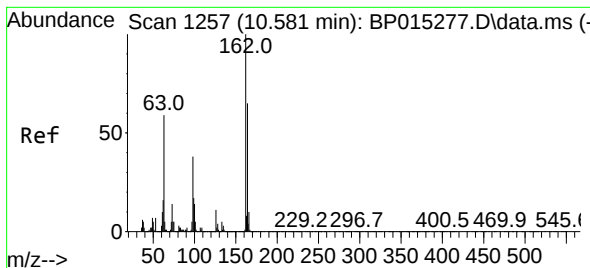
Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

123 11.4 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 6.575 ng

RT: 10.581 min Scan# 1257

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

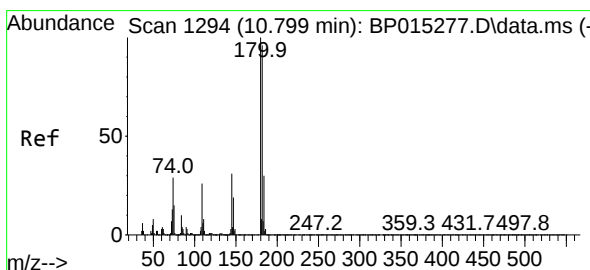
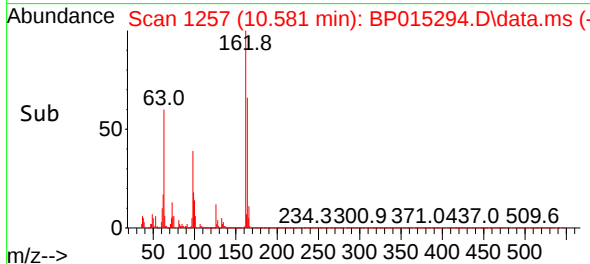
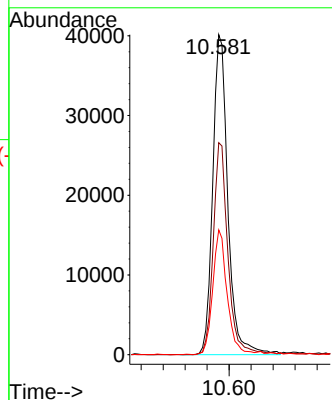
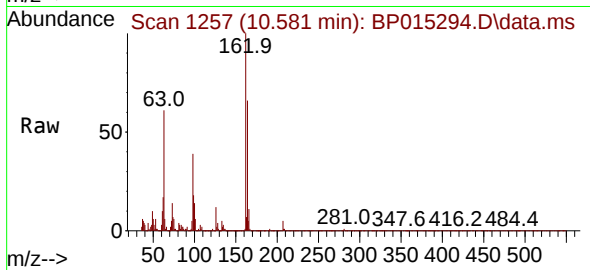
Tgt Ion:162 Resp: 76596

Ion Ratio Lower Upper

162 100

164 66.3 45.4 85.4

98 39.0 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 7.302 ng

RT: 10.799 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

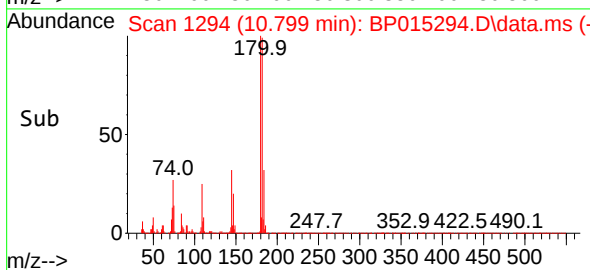
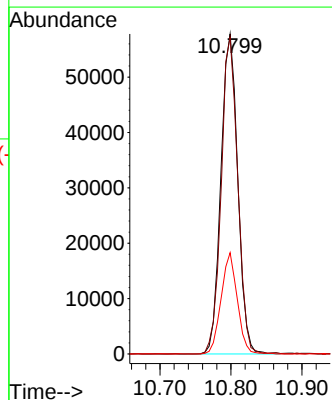
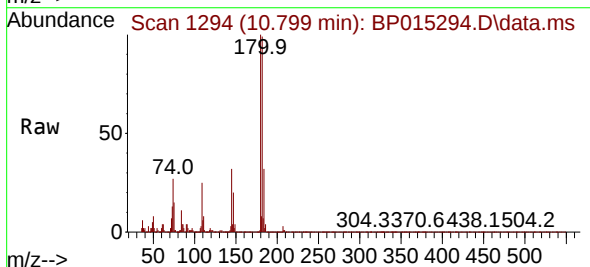
Tgt Ion:180 Resp: 94885

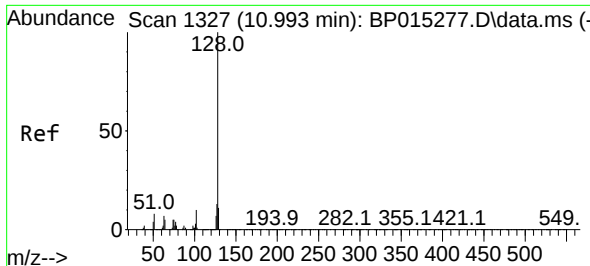
Ion Ratio Lower Upper

180 100

182 99.0 76.6 115.0

145 31.7 24.9 37.3

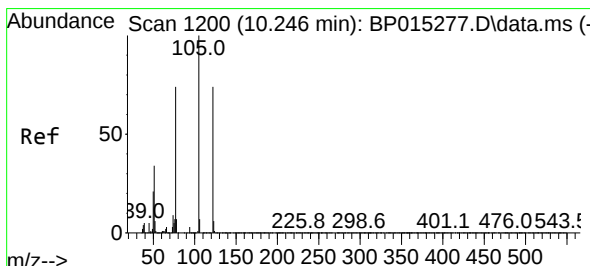
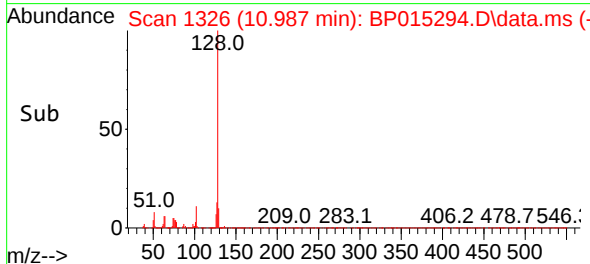
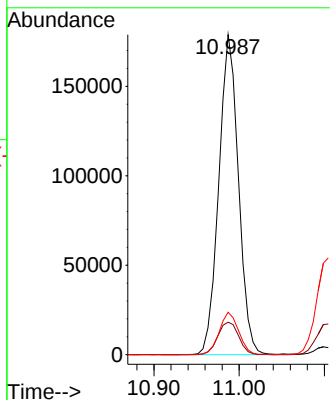
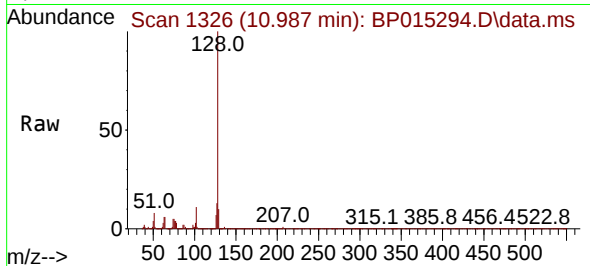




#31
Naphthalene
Concen: 7.266 ng
RT: 10.987 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

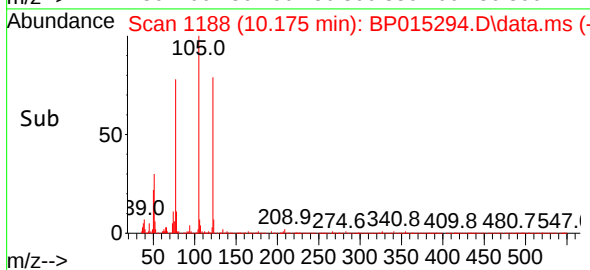
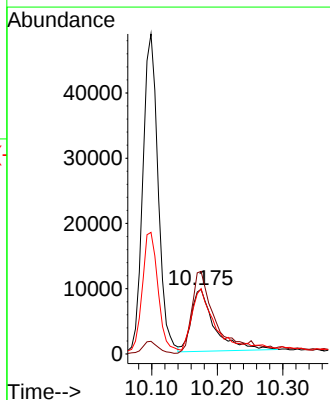
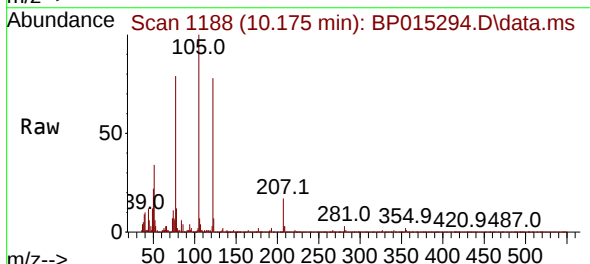
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

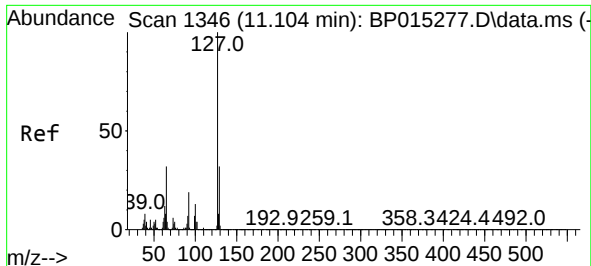
Tgt Ion:128 Resp: 286490
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 13.2 10.4 15.6



#32
Benzoic acid
Concen: 8.623 ng
RT: 10.175 min Scan# 1188
Delta R.T. -0.071 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:122 Resp: 23377
Ion Ratio Lower Upper
122 100
105 127.9 109.5 149.5
77 101.0 78.2 118.2

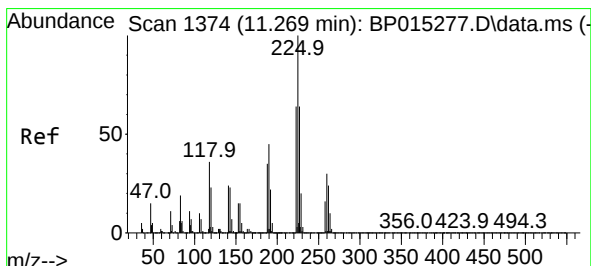
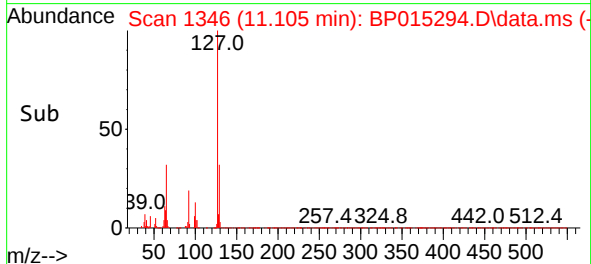
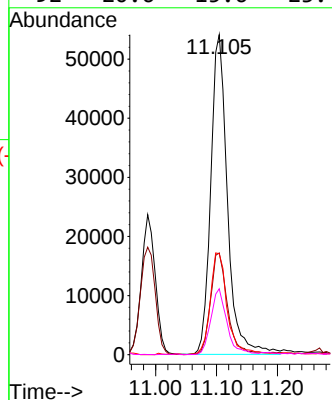
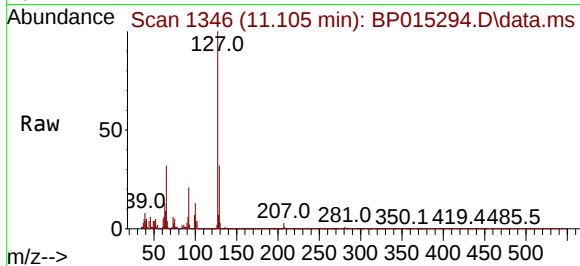




#33
4-Chloroaniline
Concen: 6.332 ng
RT: 11.105 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

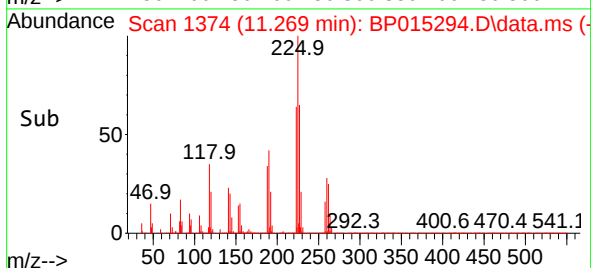
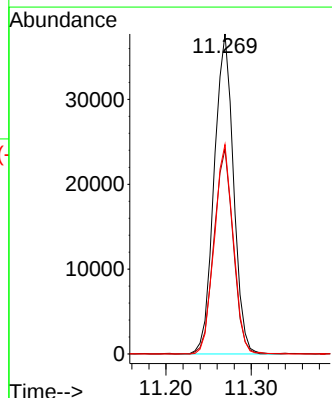
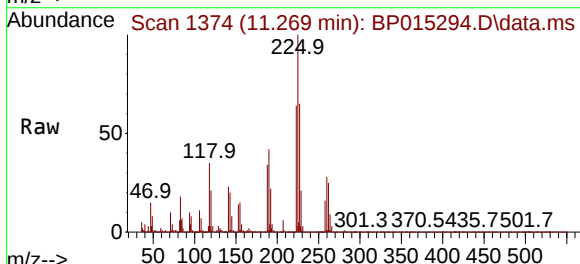
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

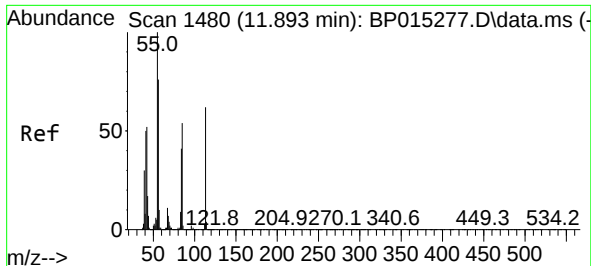
Tgt Ion:	127	Resp:	103219
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.5	38.3
65	31.6	25.3	37.9
92	20.6	15.6	23.4



#34
Hexachlorobutadiene
Concen: 7.214 ng
RT: 11.269 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:	225	Resp:	59392
Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.4
227	65.5	51.4	77.2

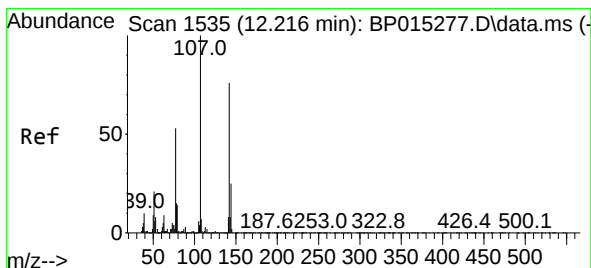
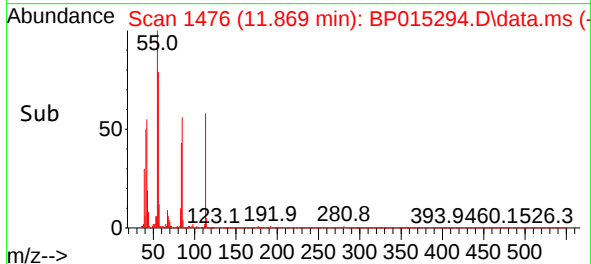
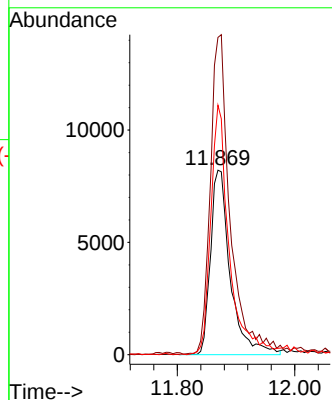
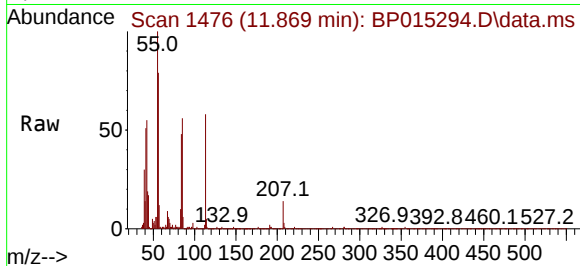




#35
Caprolactam
Concen: 5.364 ng
RT: 11.869 min Scan# 1480
Delta R.T. -0.024 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

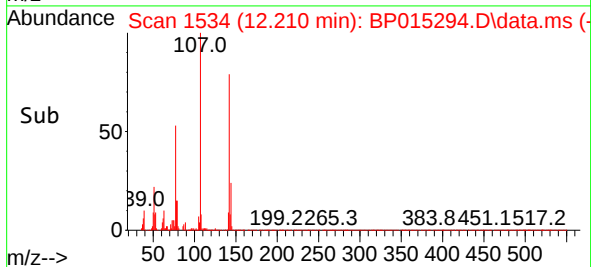
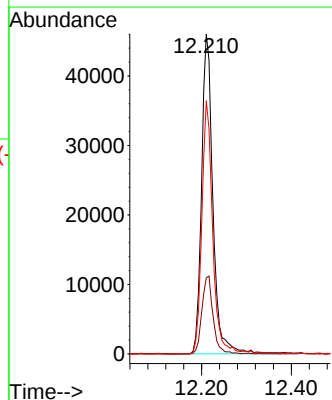
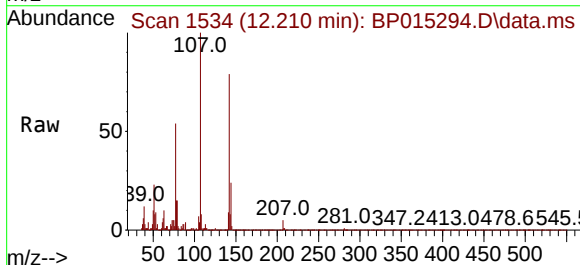
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

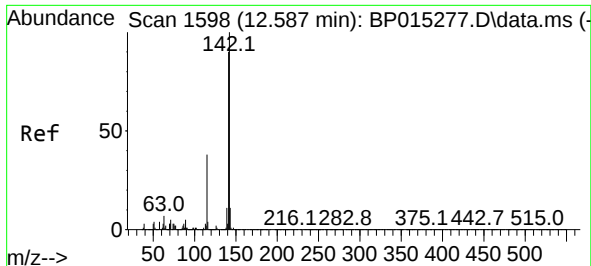
Tgt Ion:113 Resp: 19184
Ion Ratio Lower Upper
113 100
55 172.0 141.4 181.4
56 135.2 102.5 142.5



#36
4-Chloro-3-methylphenol
Concen: 6.366 ng
RT: 12.210 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:107 Resp: 80627
Ion Ratio Lower Upper
107 100
144 23.8 19.8 29.6
142 79.1 61.0 91.4

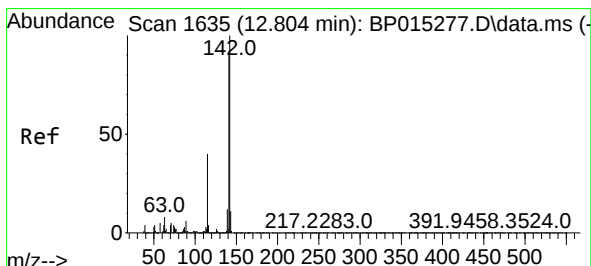
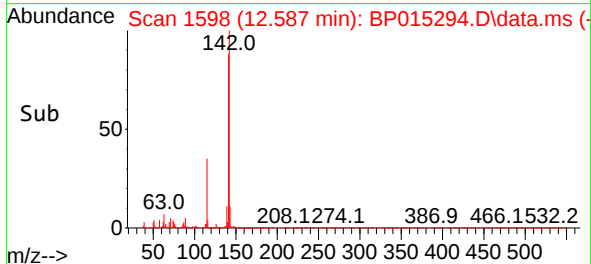
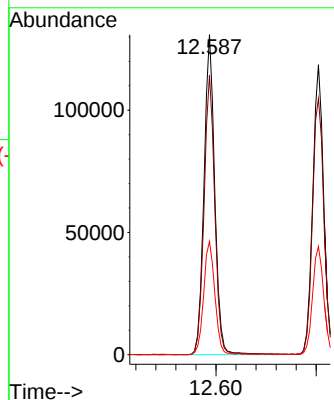
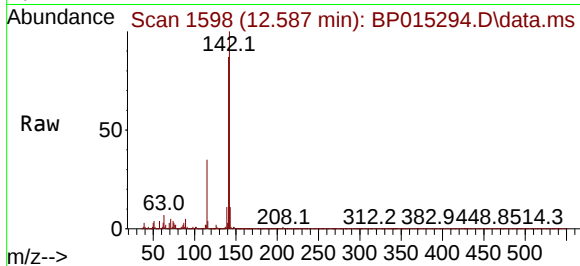




#37
2-Methylnaphthalene
Concen: 6.921 ng
RT: 12.587 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

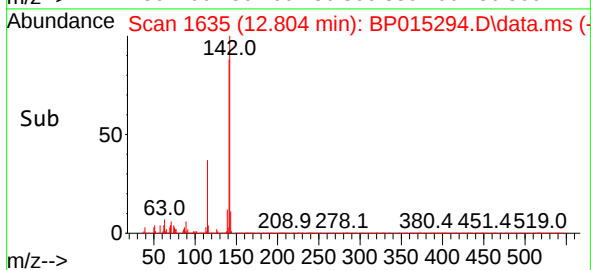
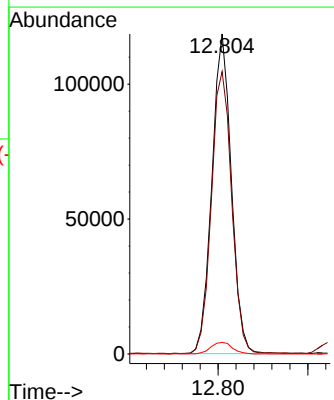
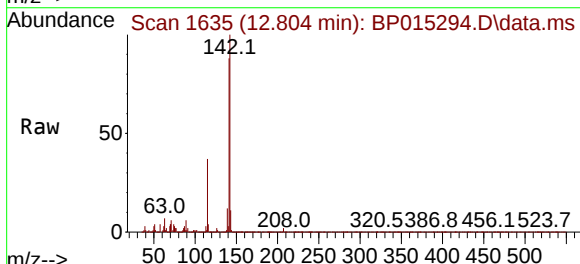
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

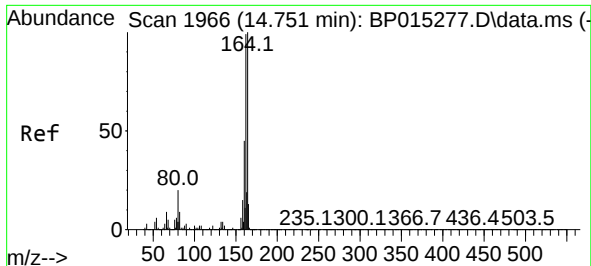
Tgt Ion:142 Resp: 193947
Ion Ratio Lower Upper
142 100
141 87.4 72.0 108.0
115 35.4 30.6 46.0



#38
1-Methylnaphthalene
Concen: 6.810 ng
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:142 Resp: 178046
Ion Ratio Lower Upper
142 100
141 88.3 73.8 110.6
116 3.6 3.4 5.0

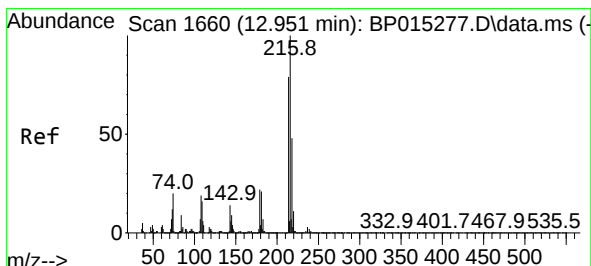
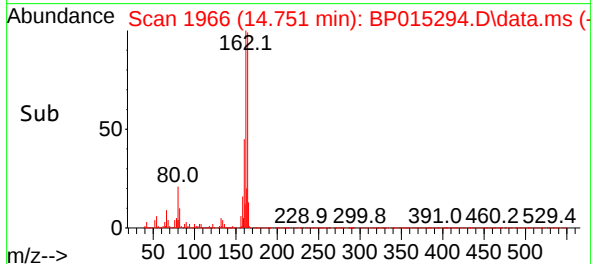
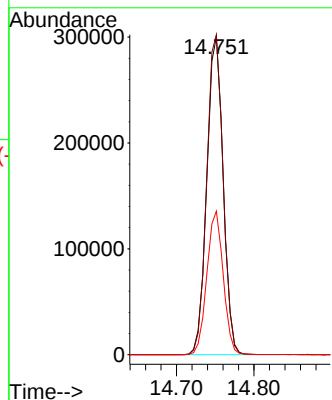
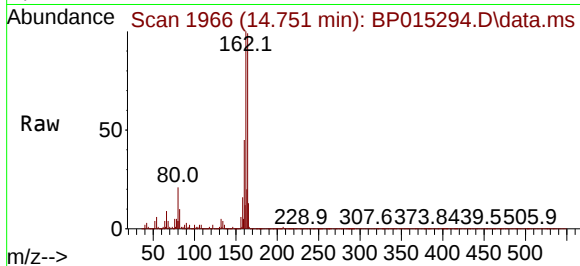




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.751 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

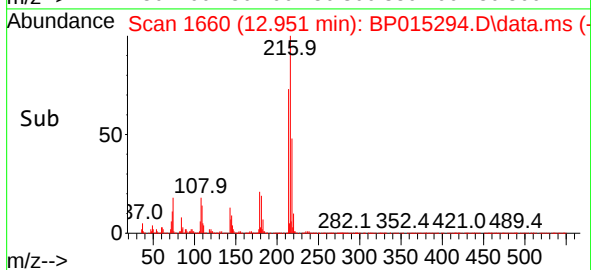
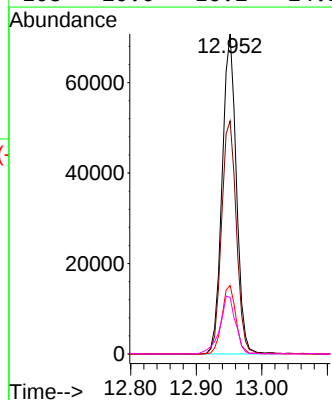
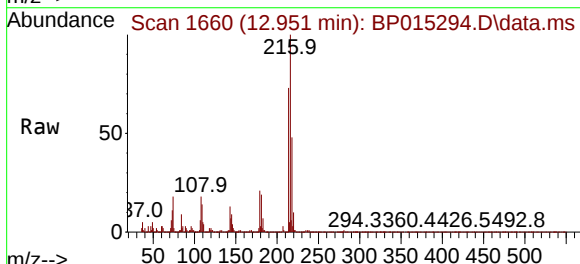
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

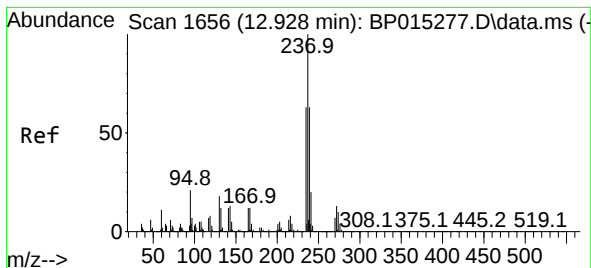
Tgt Ion:164 Resp: 438288
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.2
160 45.1 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.372 ng
RT: 12.951 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:216 Resp: 106013
Ion Ratio Lower Upper
216 100
214 75.7 63.0 94.4
179 21.1 17.3 25.9
108 20.0 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 6.837 ng

RT: 12.922 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

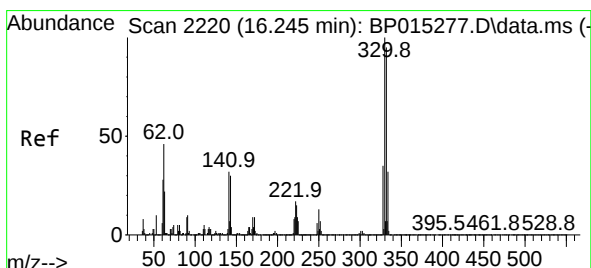
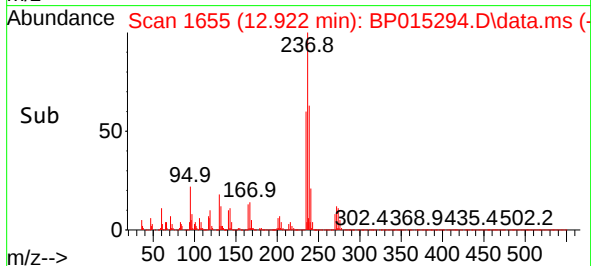
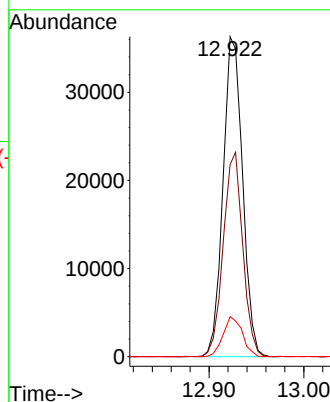
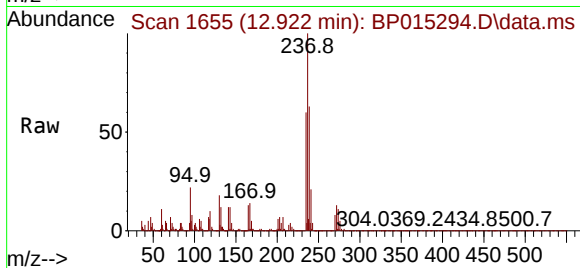
Tgt Ion:237 Resp: 52077

Ion Ratio Lower Upper

237 100

235 60.1 43.2 83.2

272 12.5 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 95.802 ng

RT: 16.240 min Scan# 2219

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

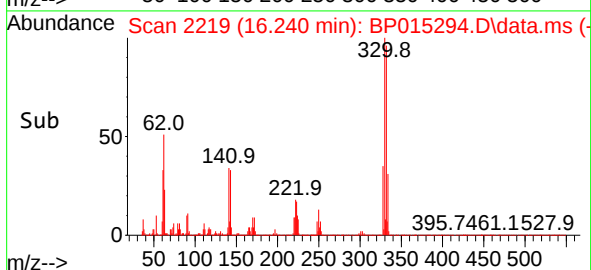
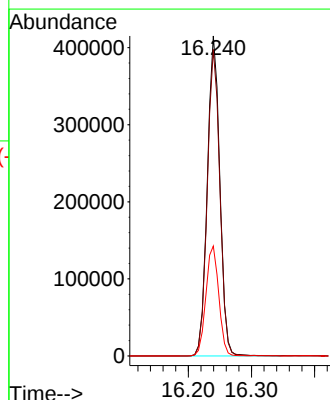
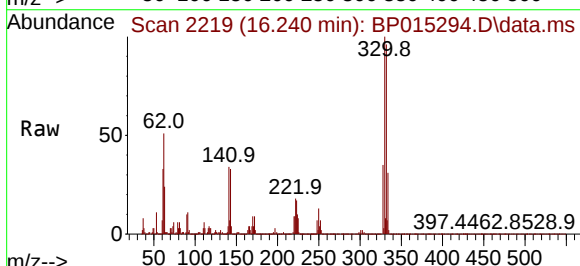
Tgt Ion:330 Resp: 570603

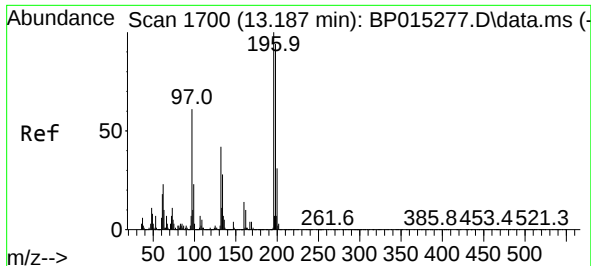
Ion Ratio Lower Upper

330 100

332 96.2 76.3 114.5

141 35.5 27.8 41.8

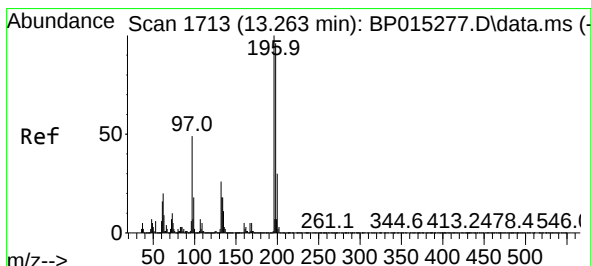
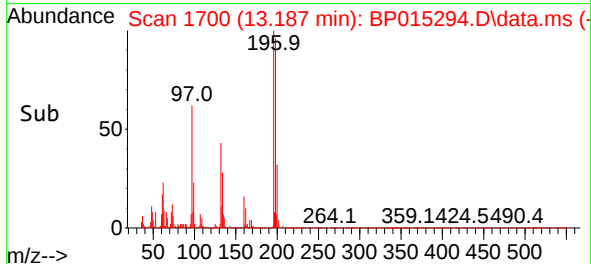
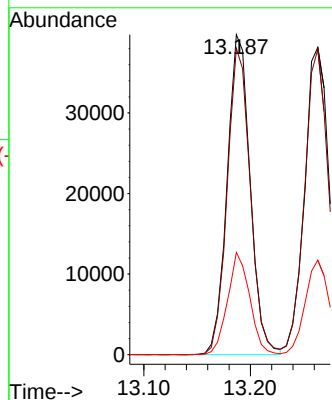
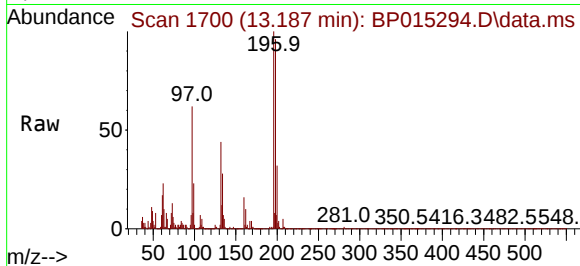




#43
 2,4,6-Trichlorophenol
 Concen: 6.403 ng
 RT: 13.187 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

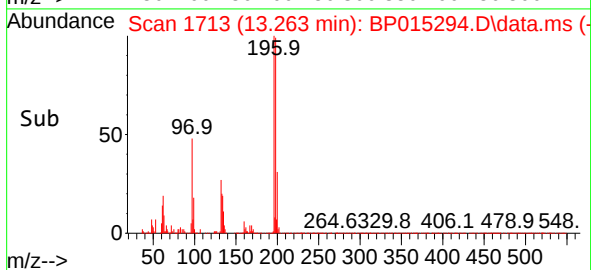
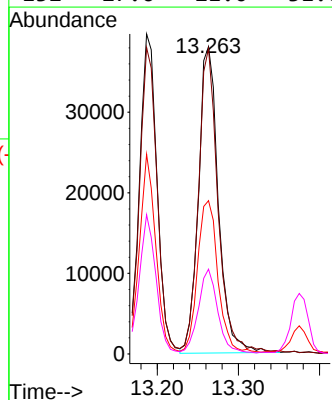
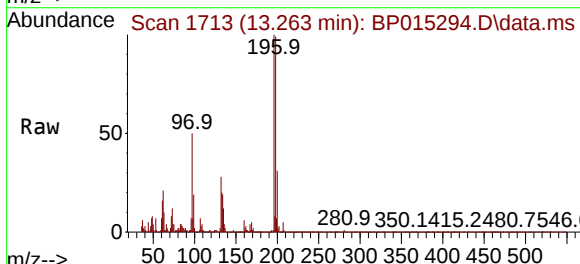
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

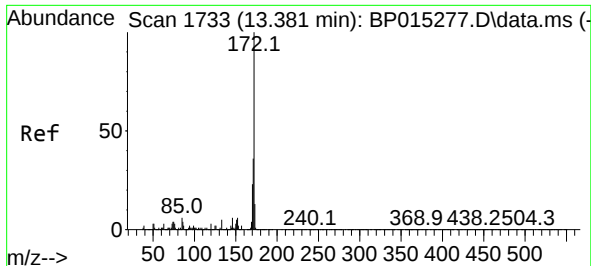
Tgt Ion:196 Resp: 59774
 Ion Ratio Lower Upper
 196 100
 198 95.8 75.0 112.4
 200 31.9 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 5.922 ng
 RT: 13.263 min Scan# 1713
 Delta R.T. 0.000 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

Tgt Ion:196 Resp: 64989
 Ion Ratio Lower Upper
 196 100
 198 99.4 76.8 115.2
 97 49.9 39.3 58.9
 132 27.6 21.0 31.6

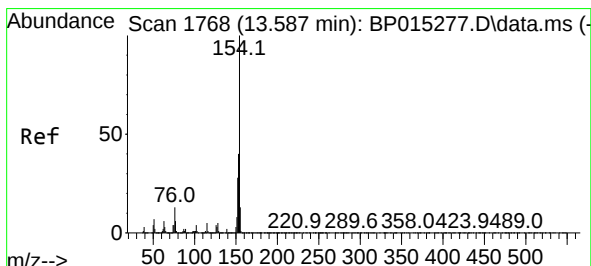
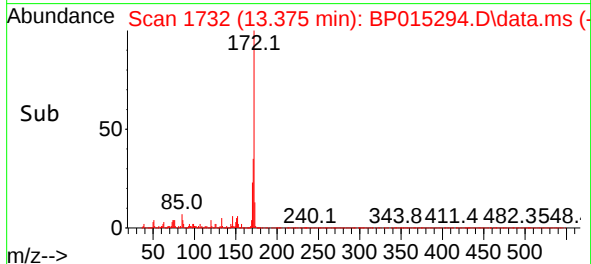
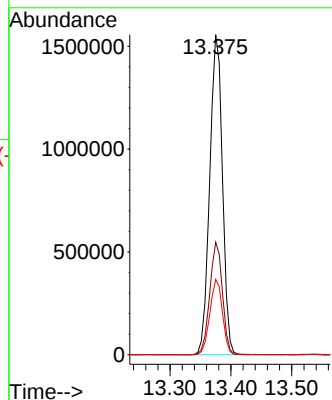
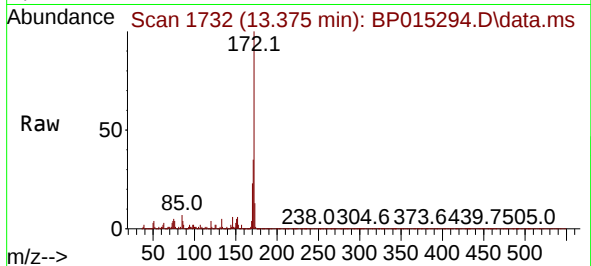




#45
2-Fluorobiphenyl
Concen: 69.021 ng
RT: 13.375 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

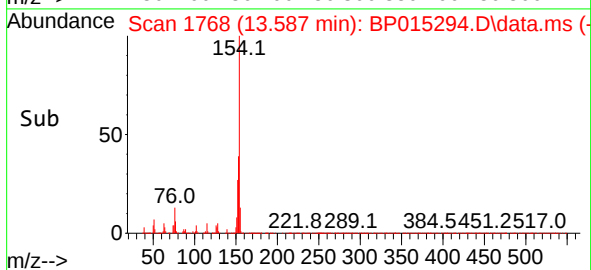
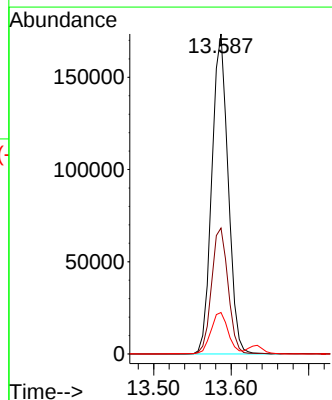
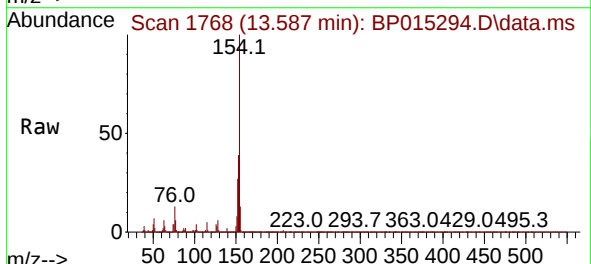
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

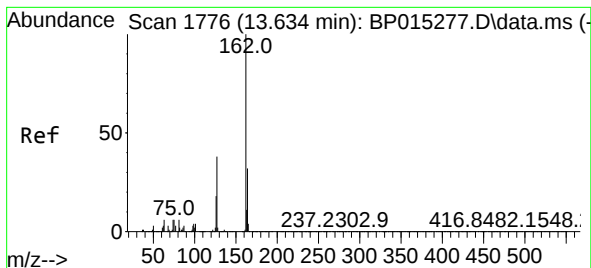
Tgt Ion:172 Resp: 2253266
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.5 18.7 28.1



#46
1,1'-Biphenyl
Concen: 7.285 ng
RT: 13.587 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:154 Resp: 252966
Ion Ratio Lower Upper
154 100
153 39.4 20.3 60.3
76 13.0 0.0 33.1





#47

2-Chloronaphthalene

Concen: 7.430 ng

RT: 13.634 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

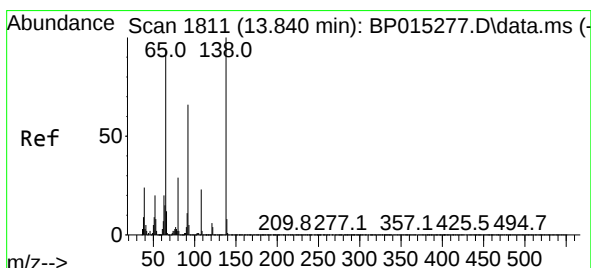
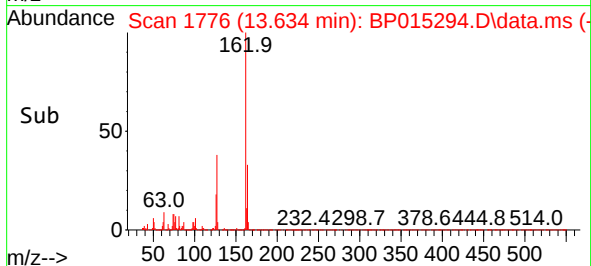
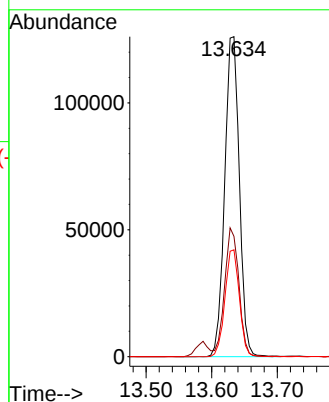
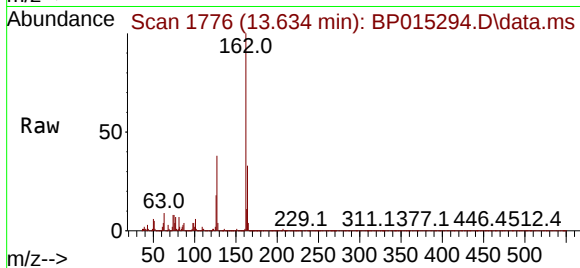
Tgt Ion:162 Resp: 194629

Ion Ratio Lower Upper

162 100

127 37.6 31.7 47.5

164 33.4 25.8 38.8



#48

2-Nitroaniline

Concen: 5.570 ng

RT: 13.834 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

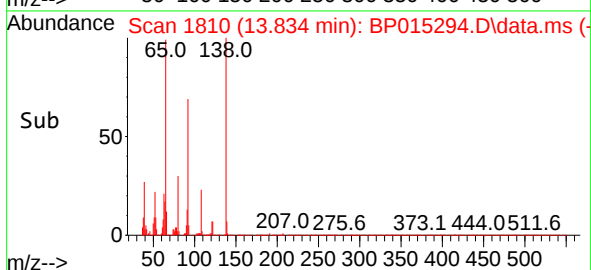
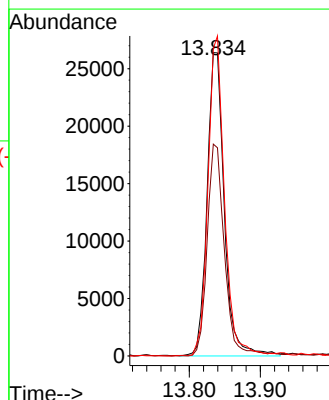
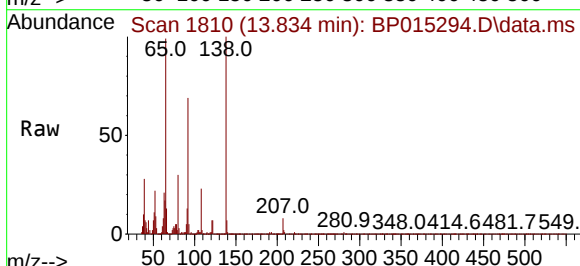
Tgt Ion: 65 Resp: 44577

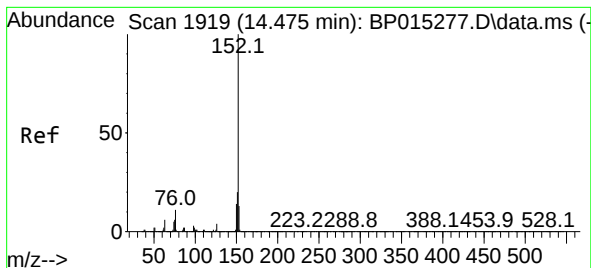
Ion Ratio Lower Upper

65 100

92 69.8 56.5 84.7

138 101.3 85.7 128.5





#49

Acenaphthylene

Concen: 6.783 ng

RT: 14.475 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

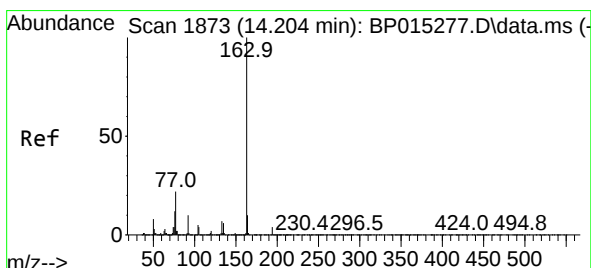
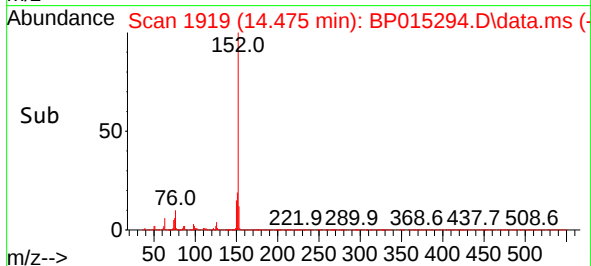
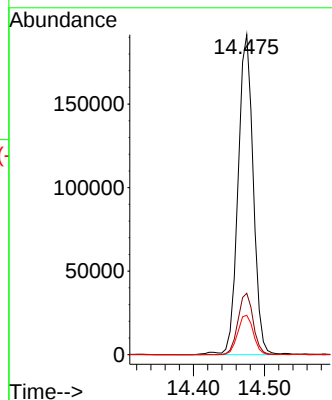
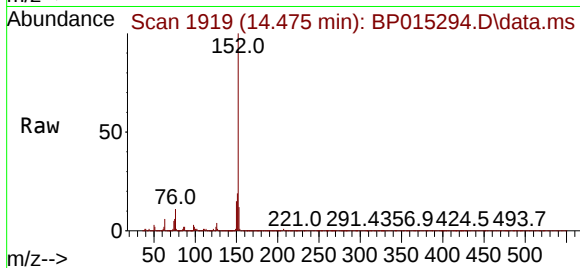
Tgt Ion:152 Resp: 284338

Ion Ratio Lower Upper

152 100

151 19.2 16.0 24.0

153 12.3 10.6 16.0



#50

Dimethylphthalate

Concen: 6.559 ng

RT: 14.198 min Scan# 1872

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

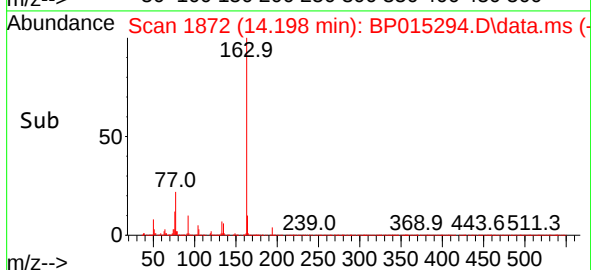
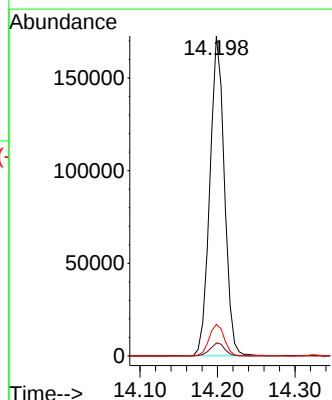
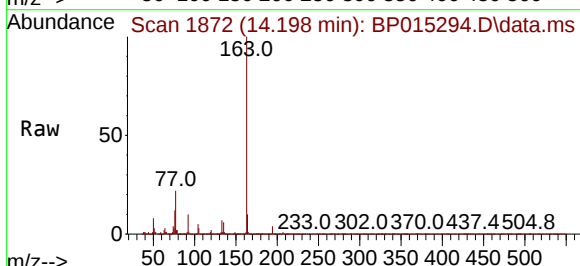
Tgt Ion:163 Resp: 224908

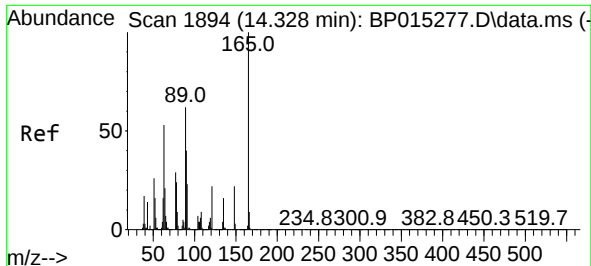
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 9.9 8.2 12.4

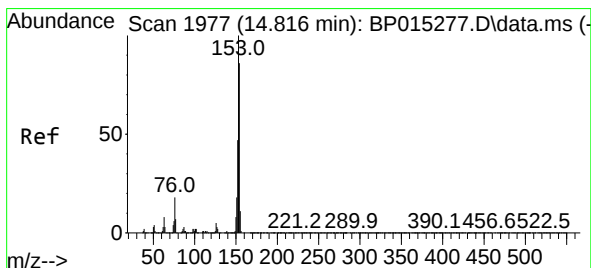
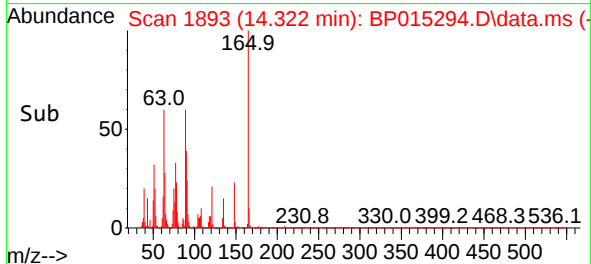
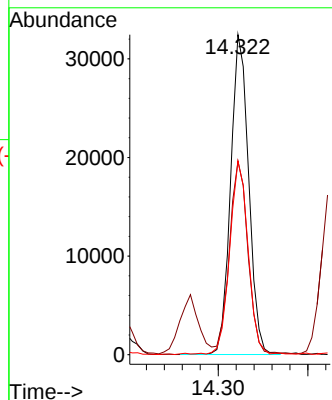
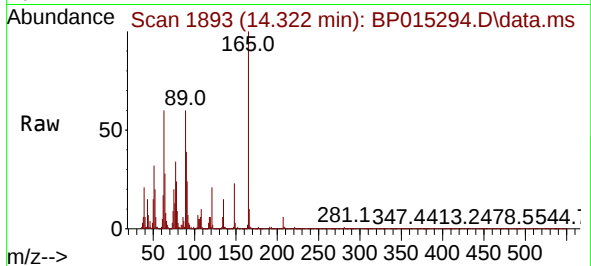




#51
2,6-Dinitrotoluene
Concen: 6.244 ng
RT: 14.322 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

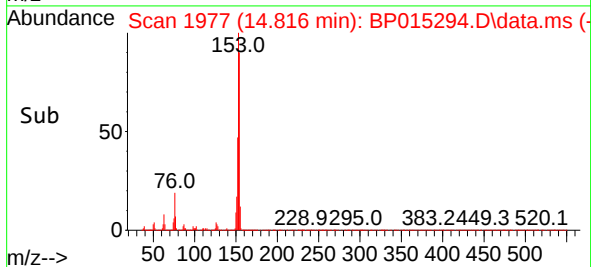
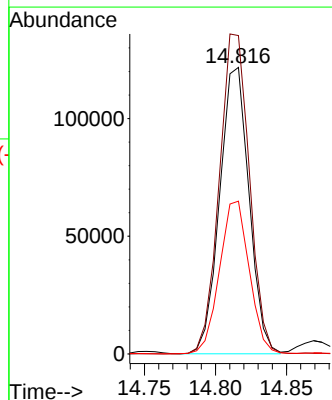
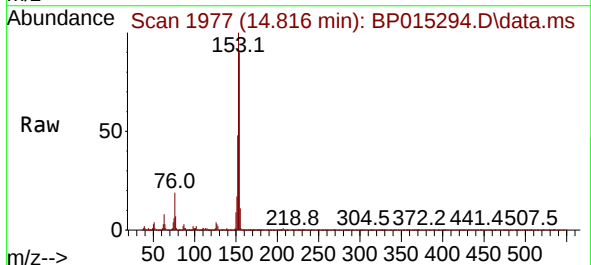
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

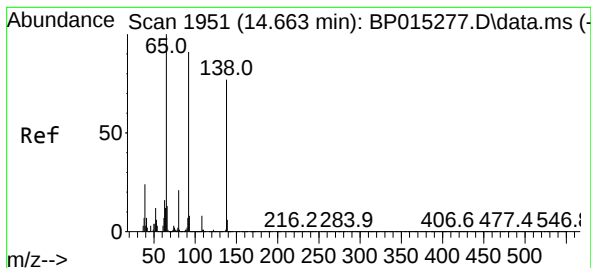
Tgt Ion:165 Resp: 45201
Ion Ratio Lower Upper
165 100
63 60.5 46.6 70.0
89 60.5 49.7 74.5



#52
Acenaphthene
Concen: 7.016 ng
RT: 14.816 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:154 Resp: 175154
Ion Ratio Lower Upper
154 100
153 111.1 92.8 139.2
152 53.3 44.0 66.0





#53

3-Nitroaniline

Concen: 5.569 ng

RT: 14.657 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

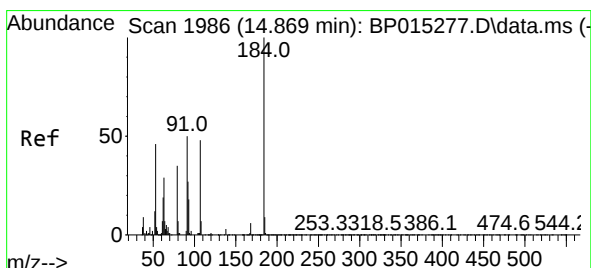
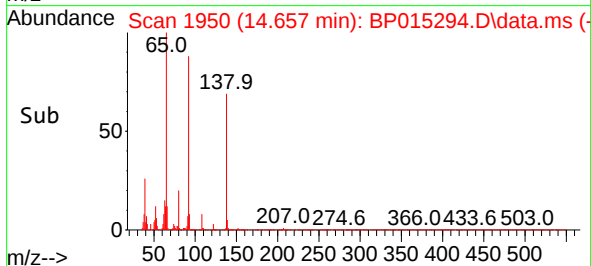
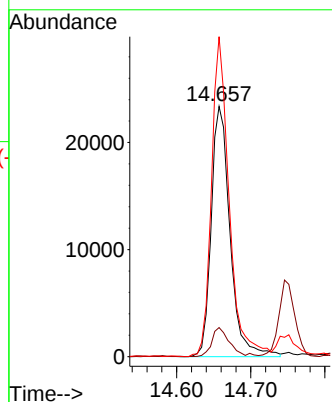
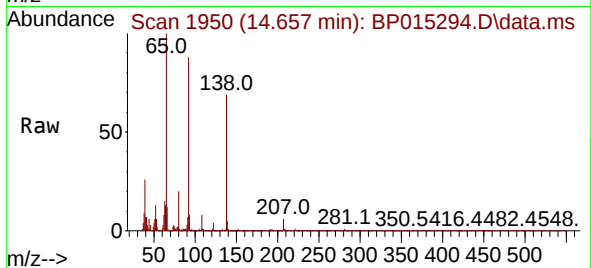
Tgt Ion:138 Resp: 41205

Ion Ratio Lower Upper

138 100

108 11.7 8.6 13.0

92 127.9 94.0 141.0



#54

2,4-Dinitrophenol

Concen: 8.376 ng

RT: 14.869 min Scan# 1986

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

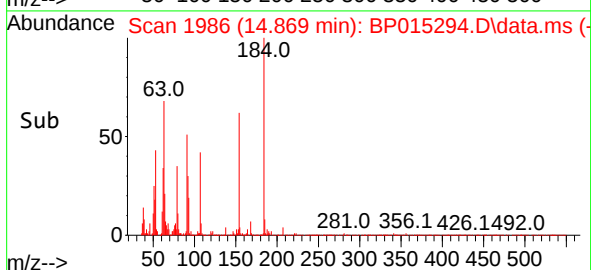
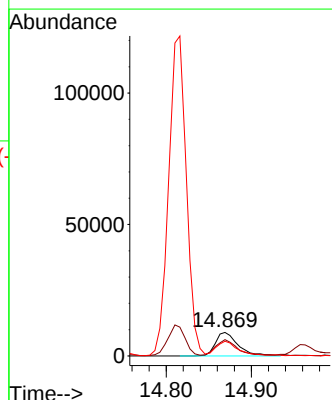
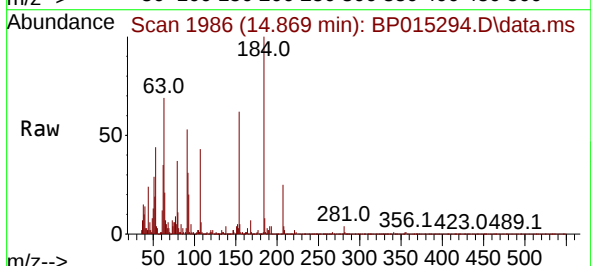
Tgt Ion:184 Resp: 16611

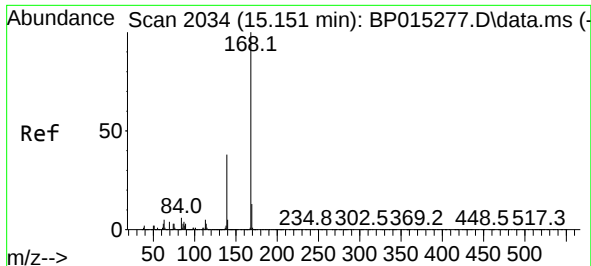
Ion Ratio Lower Upper

184 100

63 69.3 56.2 84.4

154 62.5 53.2 79.8

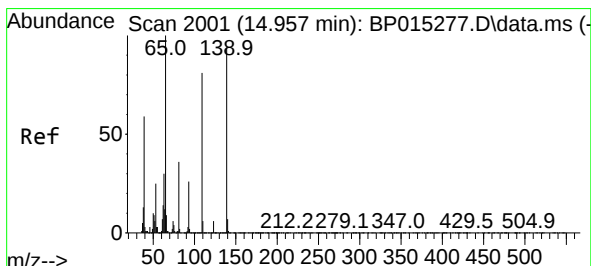
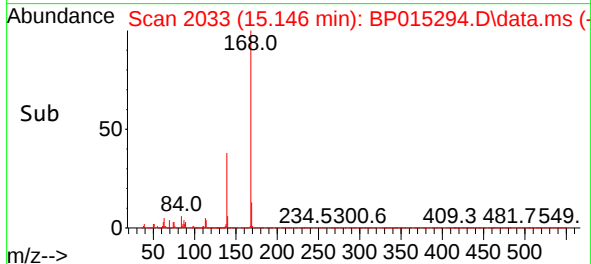
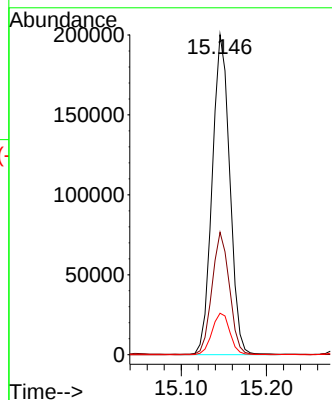
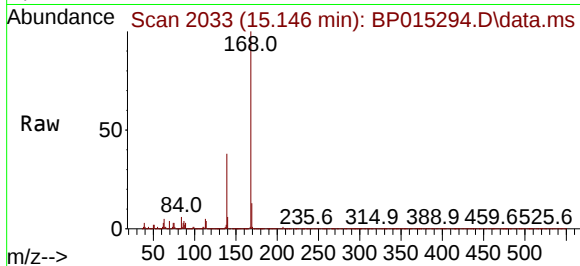




#55
Dibenzofuran
Concen: 7.020 ng
RT: 15.146 min Scan# 2034
Delta R.T. -0.005 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

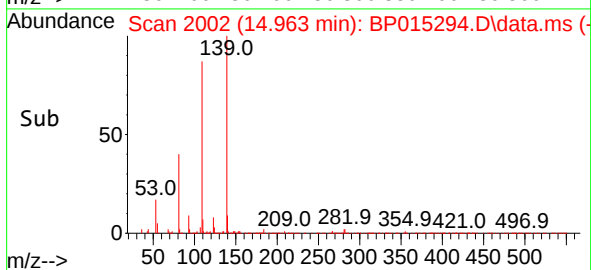
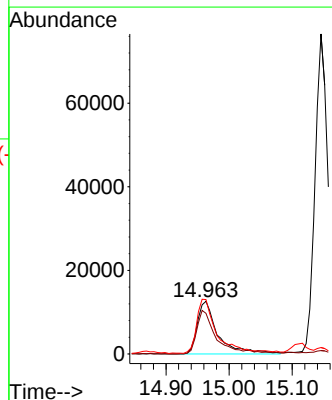
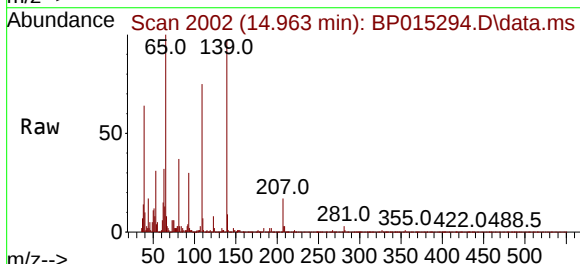
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

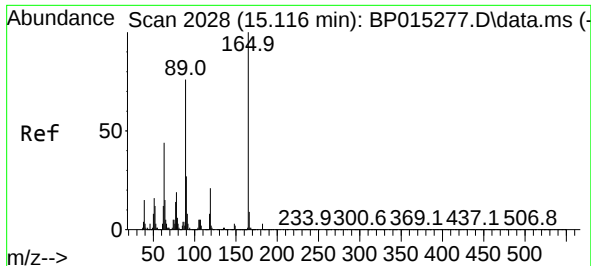
Tgt Ion:168 Resp: 286714
Ion Ratio Lower Upper
168 100
139 38.2 30.1 45.1
169 12.9 10.6 15.8



#56
4-Nitrophenol
Concen: 7.636 ng
RT: 14.963 min Scan# 2002
Delta R.T. 0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:139 Resp: 28575
Ion Ratio Lower Upper
139 100
109 77.4 66.5 106.5
65 103.3 86.6 126.6

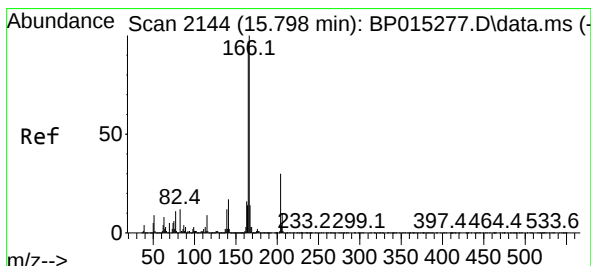
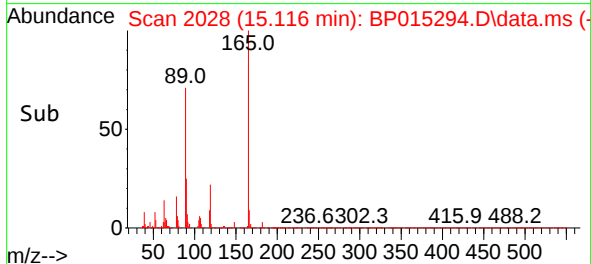
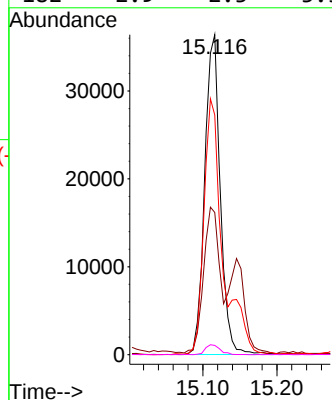
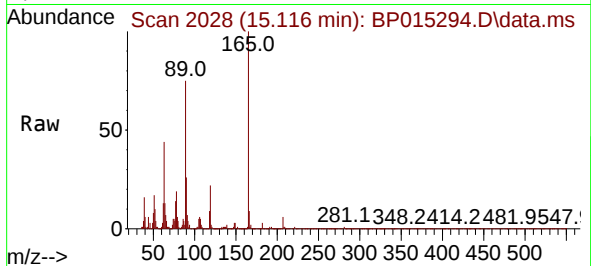




#57
2,4-Dinitrotoluene
Concen: 5.589 ng
RT: 15.116 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

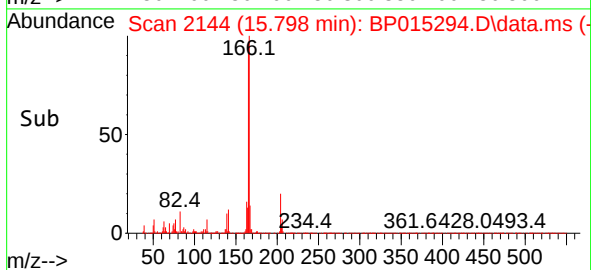
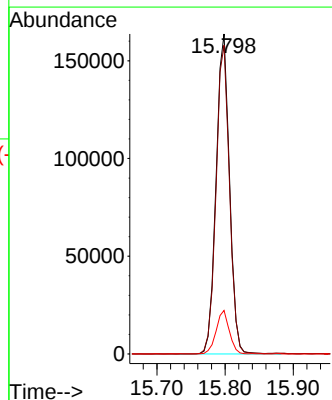
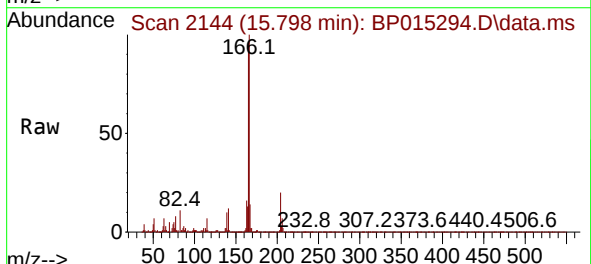
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

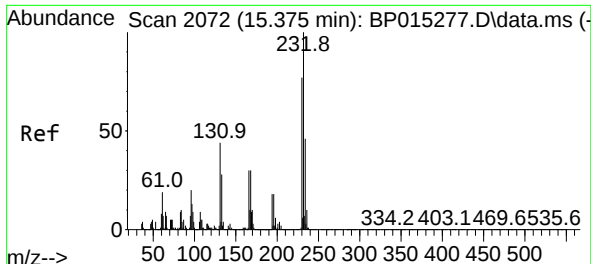
Tgt Ion:	165	Resp:	53199
Ion Ratio	Lower	Upper	
165	100		
63	44.4	35.7	53.5
89	74.9	60.8	91.2
182	2.9	2.3	3.5



#58
Fluorene
Concen: 7.096 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:	166	Resp:	223827
Ion Ratio	Lower	Upper	
166	100		
165	96.5	77.5	116.3
167	13.6	10.9	16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.282 ng

RT: 15.375 min Scan# 2072

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:232 Resp: 55138

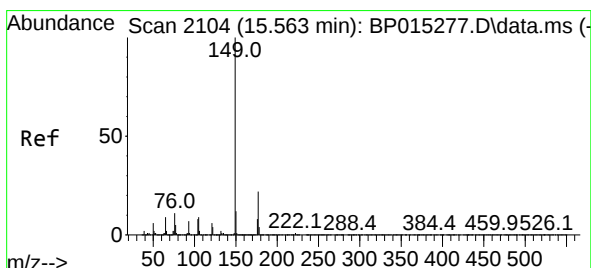
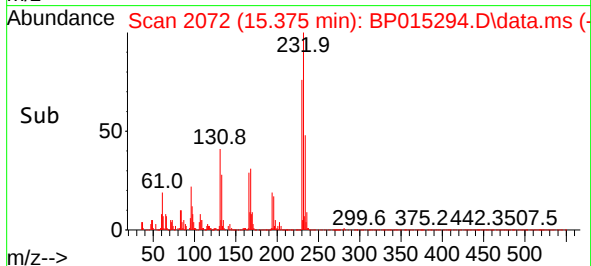
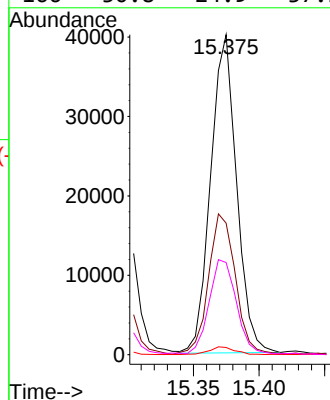
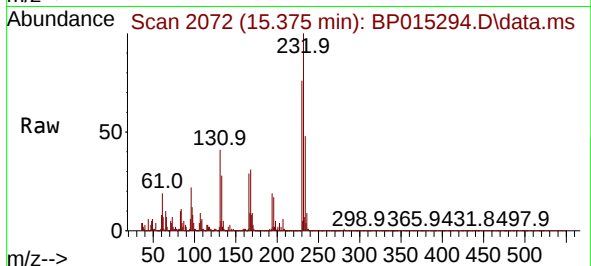
Ion Ratio Lower Upper

232 100

131 45.8 36.2 54.2

130 2.5 2.0 3.0

166 30.8 24.9 37.3



#60

Diethylphthalate

Concen: 6.409 ng

RT: 15.557 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

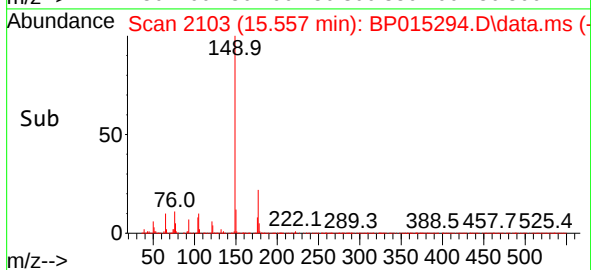
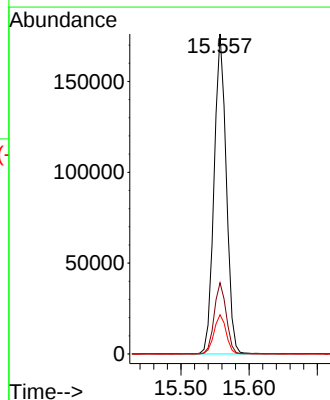
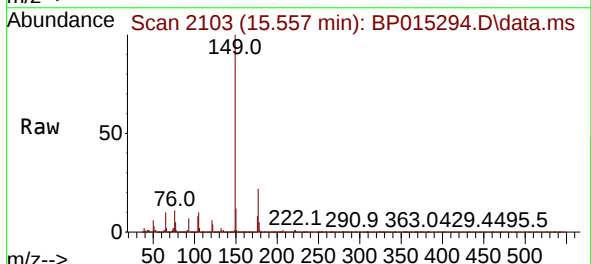
Tgt Ion:149 Resp: 218911

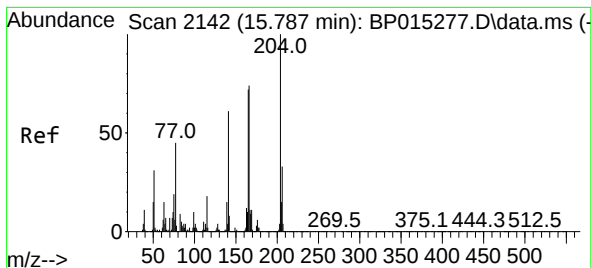
Ion Ratio Lower Upper

149 100

177 22.3 17.7 26.5

150 12.3 10.0 15.0

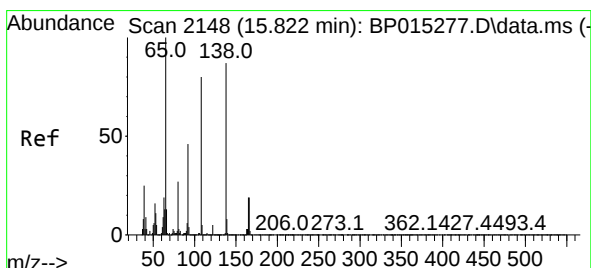
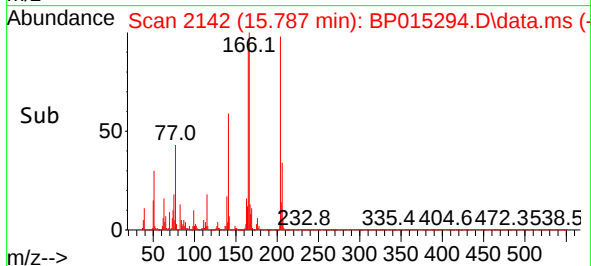
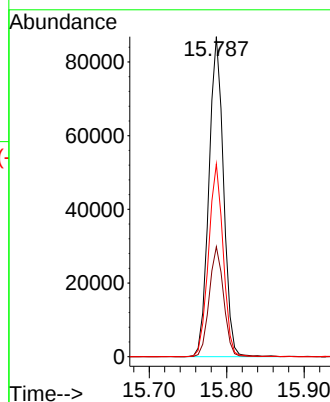
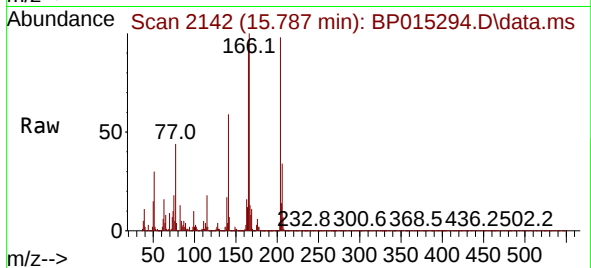




#61
4-Chlorophenyl-phenylether
Concen: 7.048 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

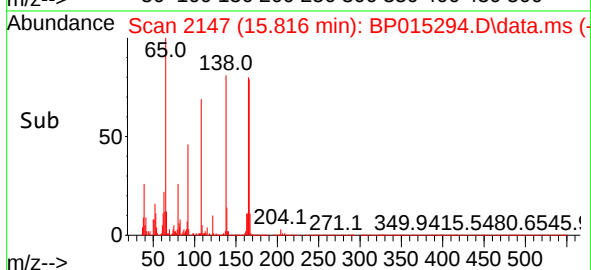
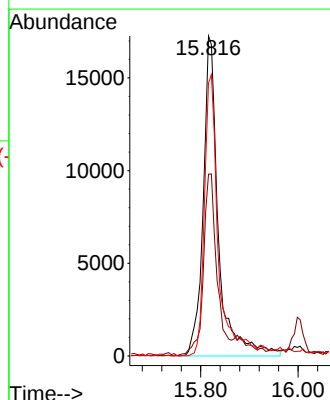
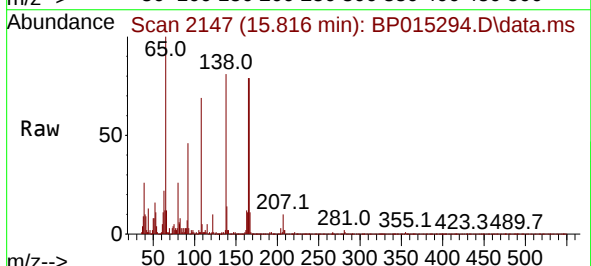
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

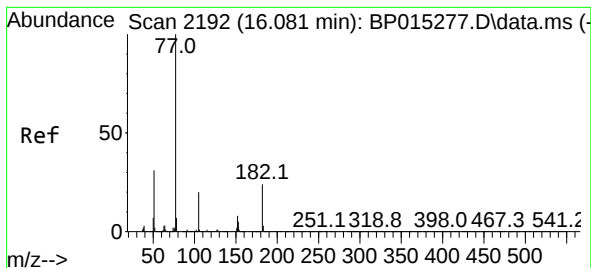
Tgt Ion:204 Resp: 113824
Ion Ratio Lower Upper
204 100
206 34.3 26.4 39.6
141 60.2 49.0 73.4



#62
4-Nitroaniline
Concen: 6.805 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:138 Resp: 37606
Ion Ratio Lower Upper
138 100
92 56.8 33.1 73.1
108 85.3 71.0 111.0





#63

Azobenzene

Concen: 6.599 ng

RT: 16.081 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 77 Resp: 215038

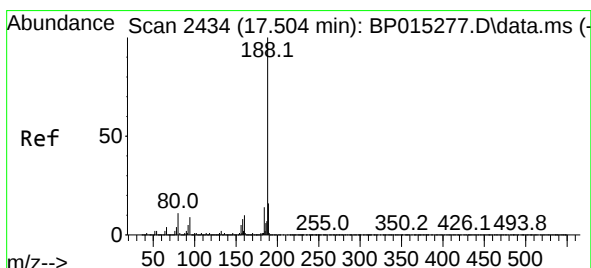
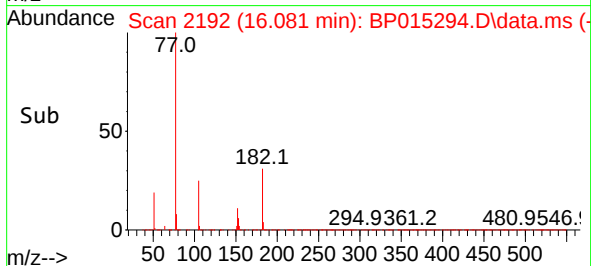
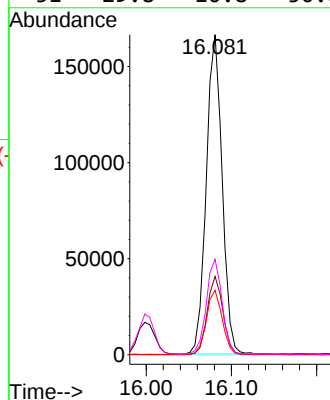
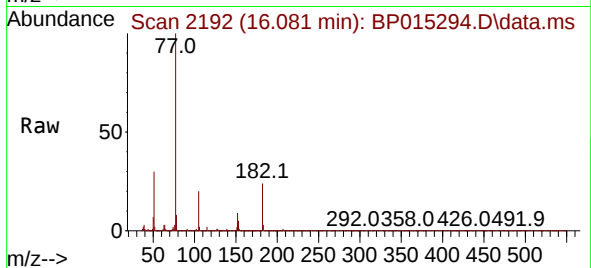
Ion Ratio Lower Upper

77 100

182 24.4 3.9 43.9

105 20.1 0.3 40.3

51 29.8 10.8 50.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.504 min Scan# 2434

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

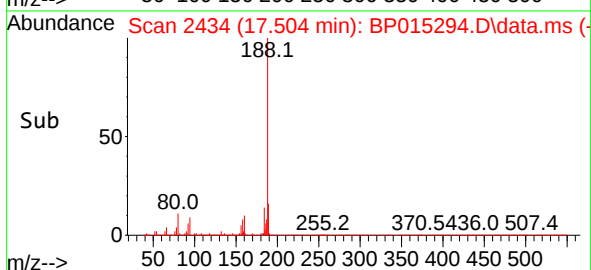
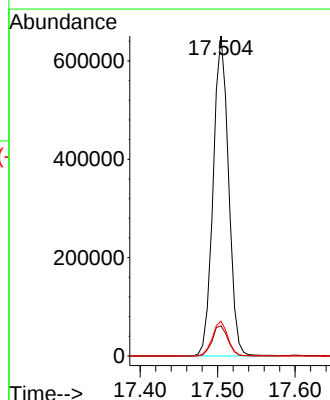
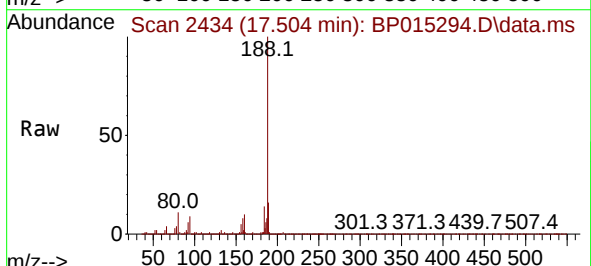
Tgt Ion: 188 Resp: 898280

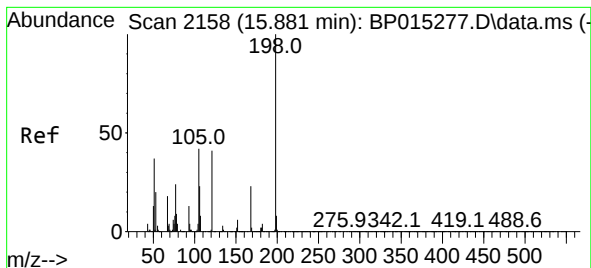
Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.0

80 10.8 8.6 13.0

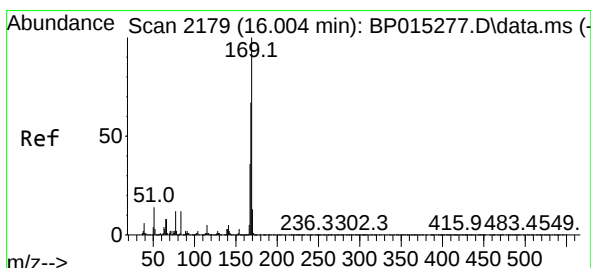
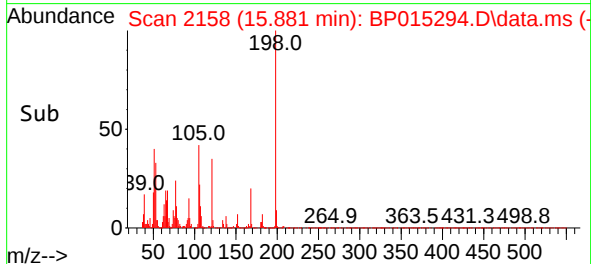
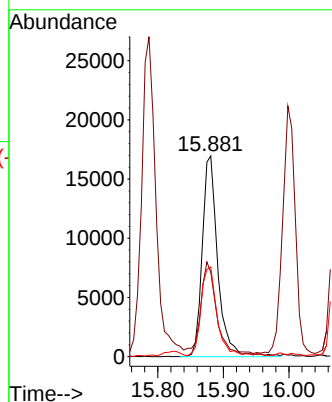
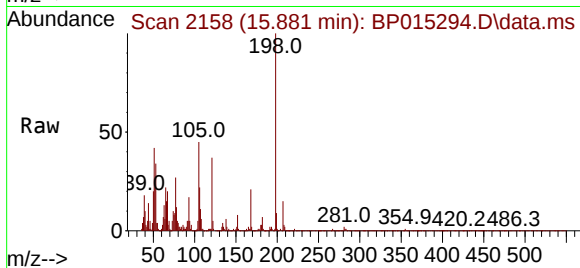




#65
4,6-Dinitro-2-methylphenol
Concen: 5.106 ng
RT: 15.881 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

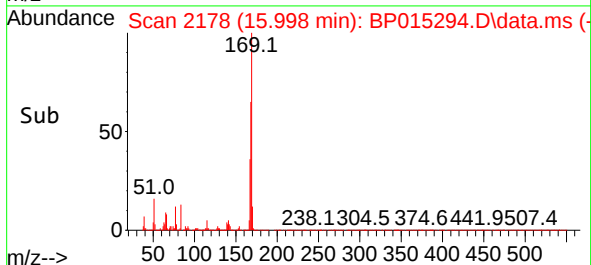
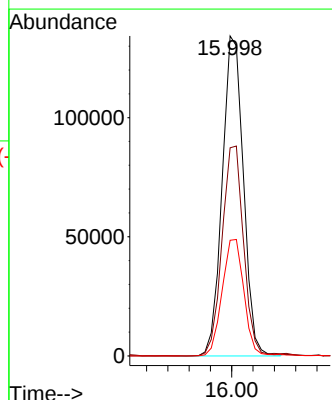
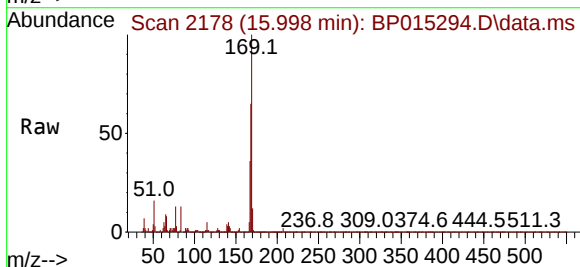
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

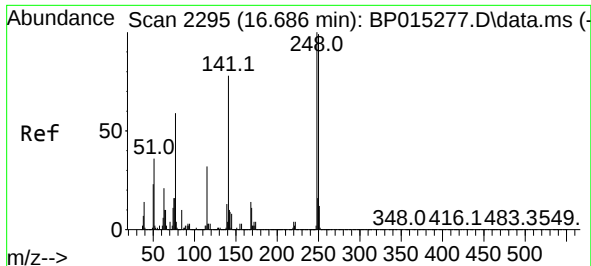
Tgt Ion:198 Resp: 27858
Ion Ratio Lower Upper
198 100
51 42.0 25.4 65.4
105 44.7 23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 6.906 ng
RT: 15.998 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:169 Resp: 184859
Ion Ratio Lower Upper
169 100
168 65.1 53.4 80.2
167 36.2 29.0 43.6

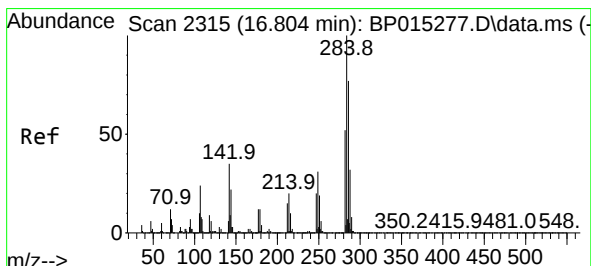
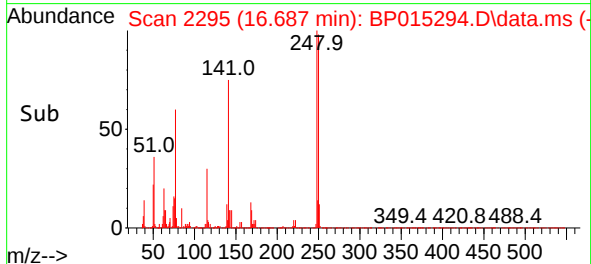
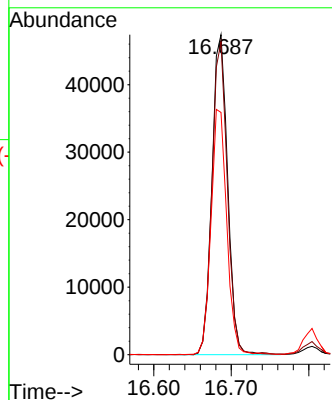
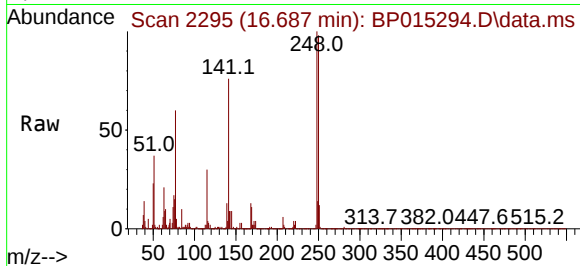




#67
4-Bromophenyl-phenylether
Concen: 6.880 ng
RT: 16.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

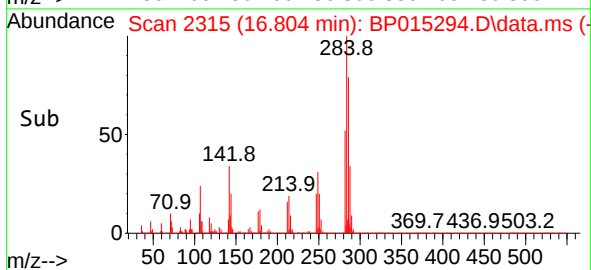
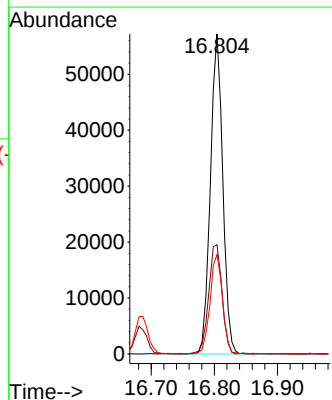
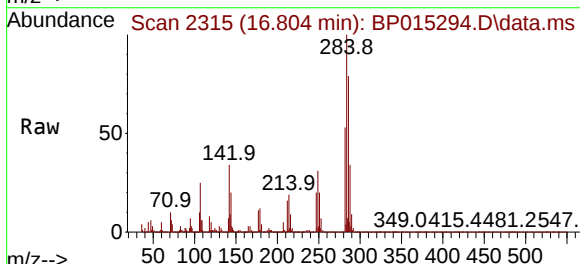
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

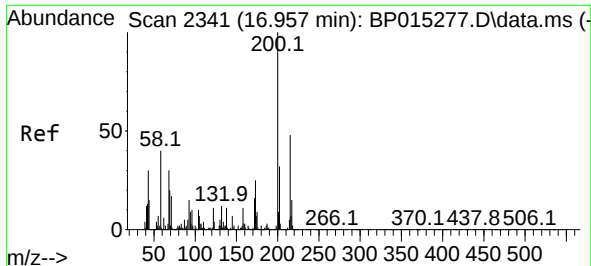
Tgt Ion:	248	Resp:	66827
Ion Ratio	Lower	Upper	
248	100		
250	97.8	79.0	118.4
141	75.7	62.4	93.6



#68
Hexachlorobenzene
Concen: 7.281 ng
RT: 16.804 min Scan# 2315
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:	284	Resp:	77877
Ion Ratio	Lower	Upper	
284	100		
142	34.2	28.2	42.2
249	31.1	25.0	37.6

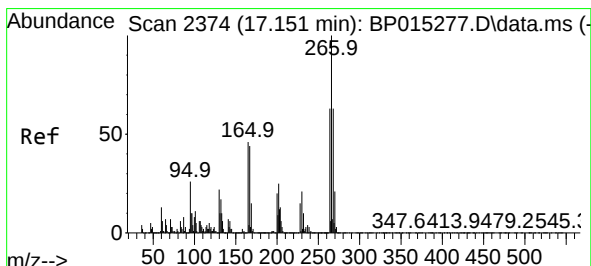
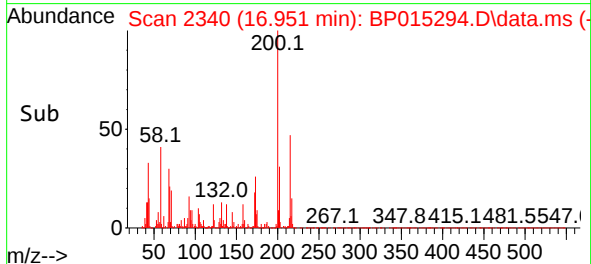
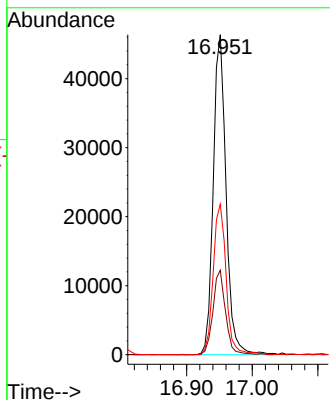
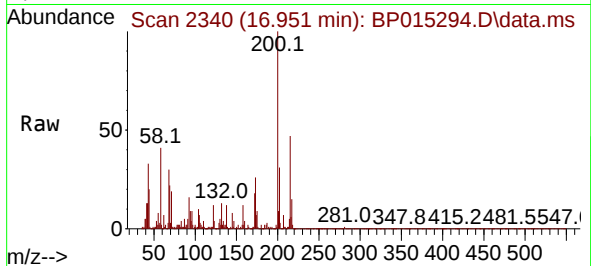




#69
 Atrazine
 Concen: 7.344 ng
 RT: 16.951 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

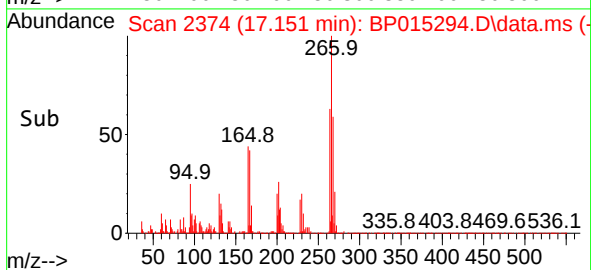
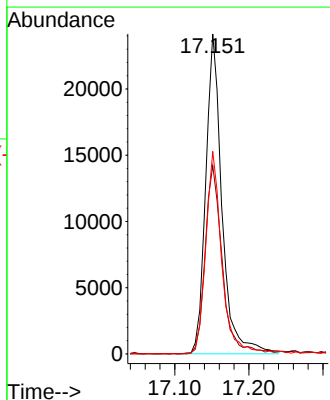
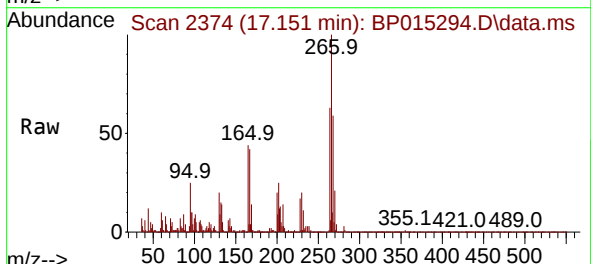
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

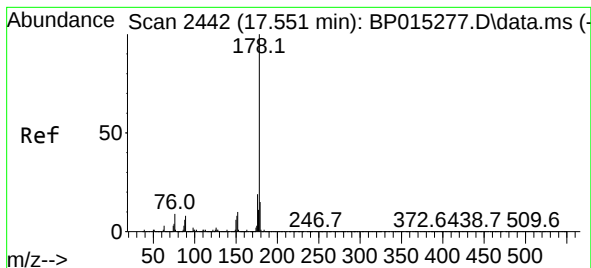
Tgt Ion:200 Resp: 62765
 Ion Ratio Lower Upper
 200 100
 173 26.4 4.7 44.7
 215 47.1 27.5 67.5



#70
 Pentachlorophenol
 Concen: 5.020 ng
 RT: 17.151 min Scan# 2374
 Delta R.T. 0.000 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

Tgt Ion:266 Resp: 36797
 Ion Ratio Lower Upper
 266 100
 268 58.9 50.0 75.0
 264 63.3 50.4 75.6





#71

Phenanthrene

Concen: 7.122 ng

RT: 17.545 min Scan# 2442

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

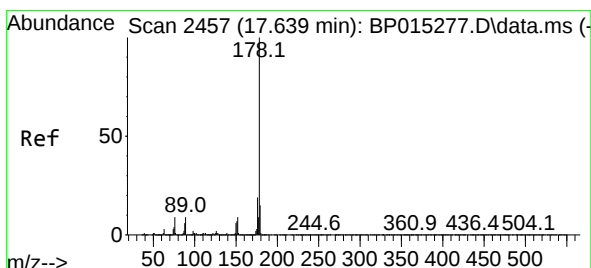
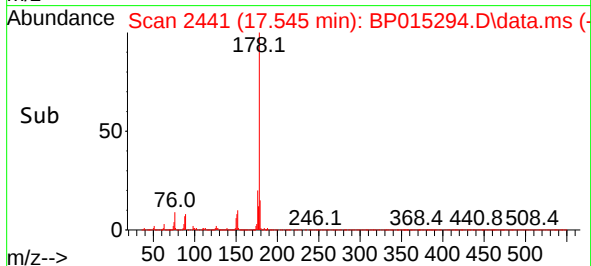
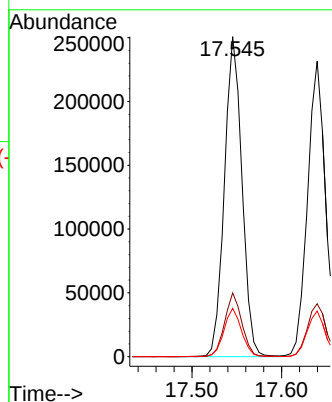
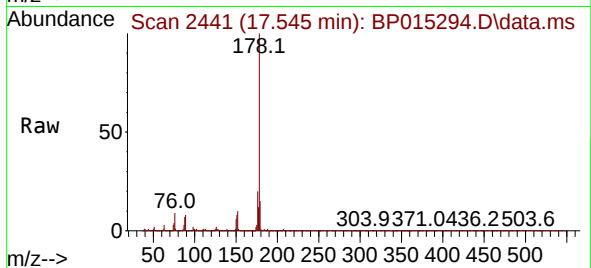
Tgt Ion:178 Resp: 340950

Ion Ratio Lower Upper

178 100

176 19.9 15.3 22.9

179 15.1 12.3 18.5



#72

Anthracene

Concen: 6.862 ng

RT: 17.639 min Scan# 2457

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

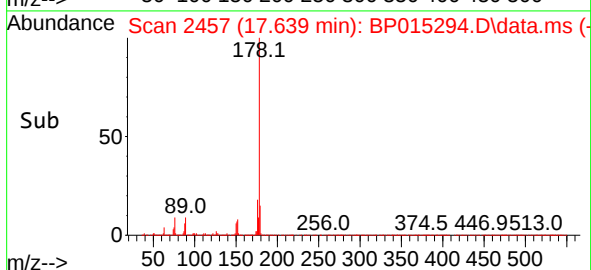
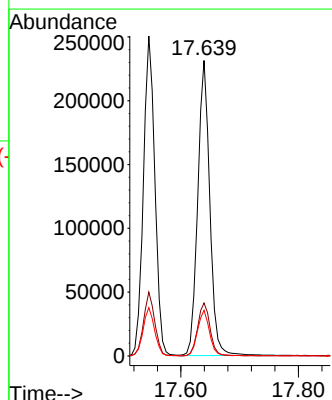
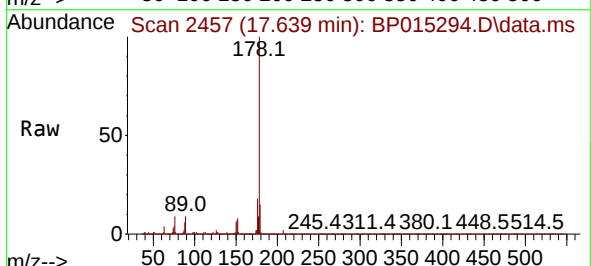
Tgt Ion:178 Resp: 329007

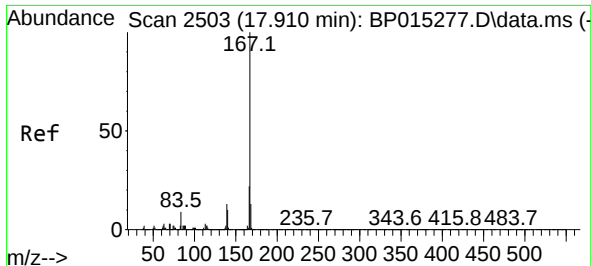
Ion Ratio Lower Upper

178 100

176 17.9 15.1 22.7

179 15.4 12.2 18.4



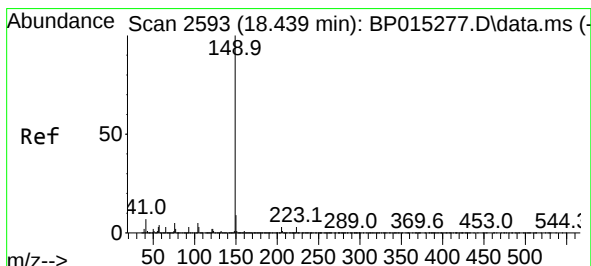
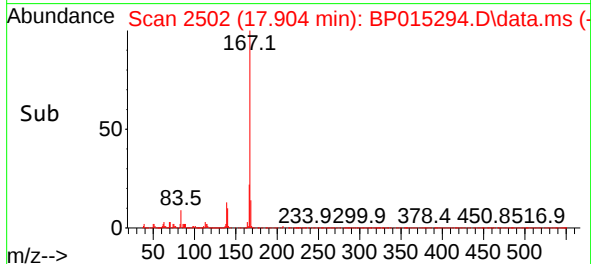
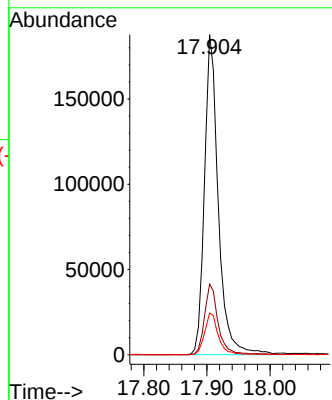
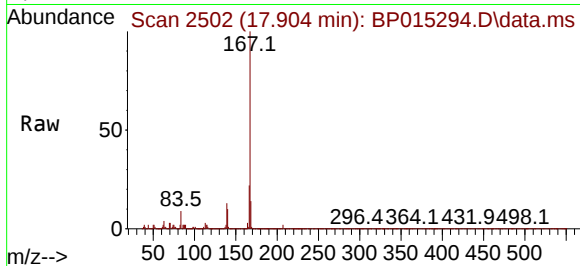


#73
 Carbazole
 Concen: 6.741 ng
 RT: 17.904 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:167 Resp: 286205

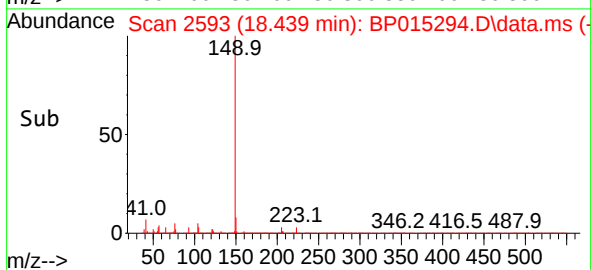
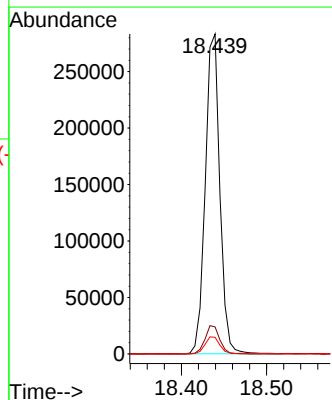
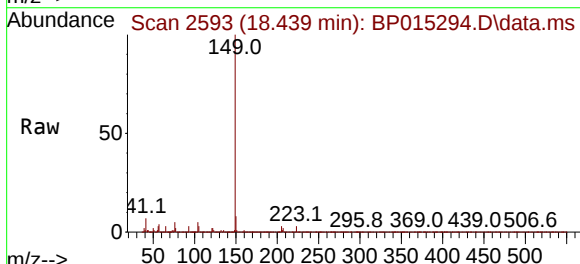
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	13.0	10.2	15.2

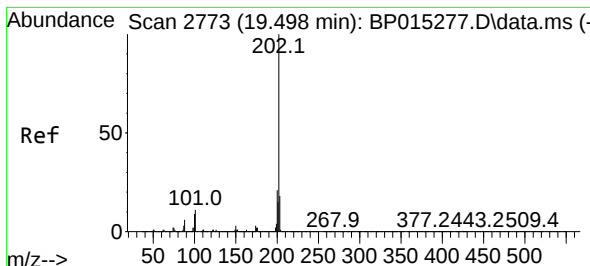


#74
 Di-n-butylphthalate
 Concen: 6.146 ng
 RT: 18.439 min Scan# 2593
 Delta R.T. 0.000 min
 Lab File: BP015294.D
 Acq: 25 May 2023 16:31

Tgt Ion:149 Resp: 335134

Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.3	10.9
104	5.2	4.4	6.6





#75

Fluoranthene

Concen: 6.657 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

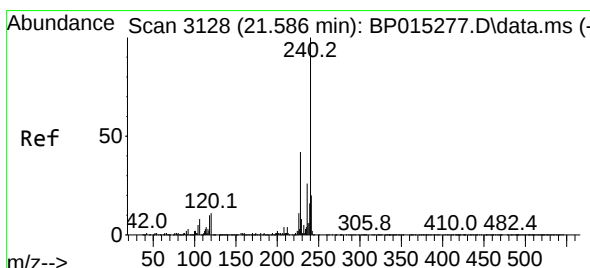
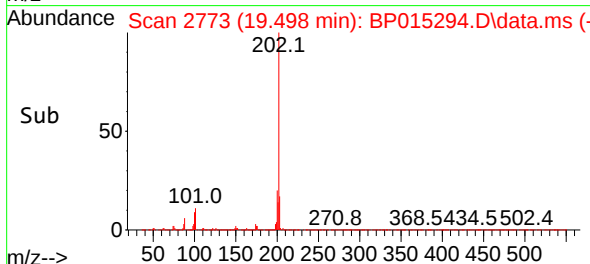
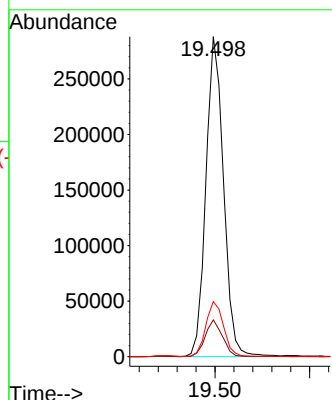
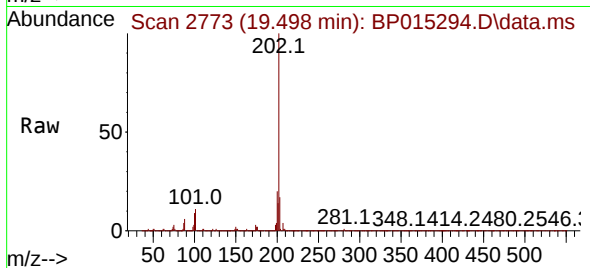
Tgt Ion:202 Resp: 372300

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

203 17.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

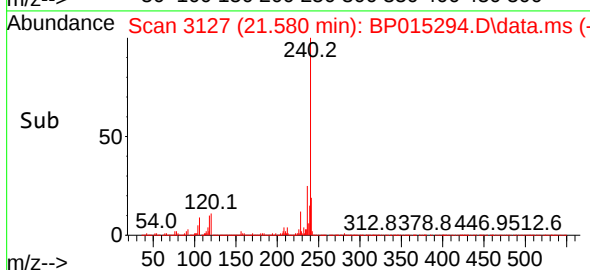
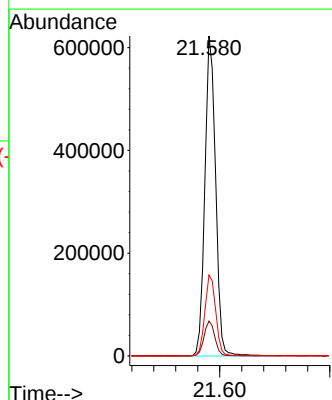
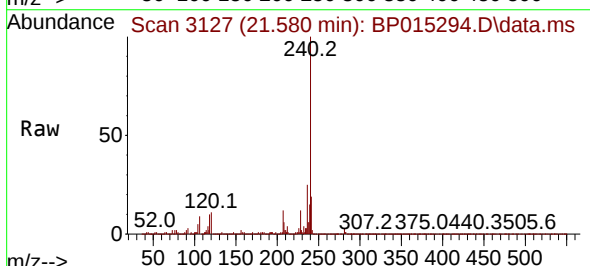
Tgt Ion:240 Resp: 845083

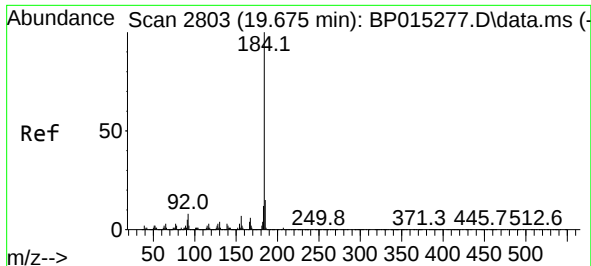
Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

236 25.3 20.5 30.7

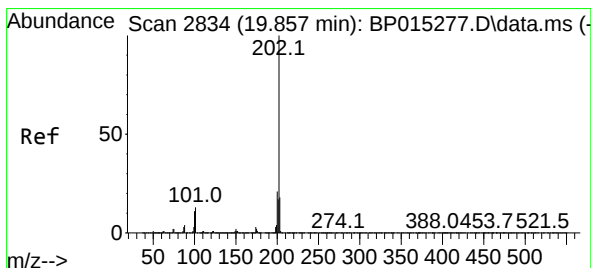
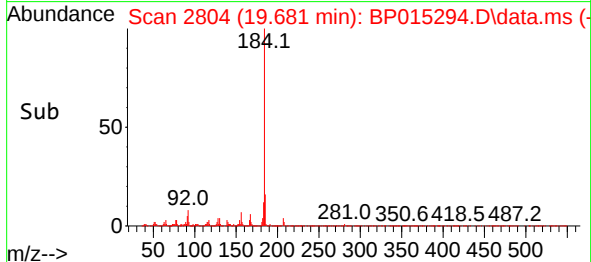
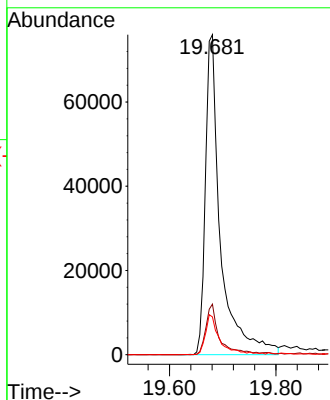
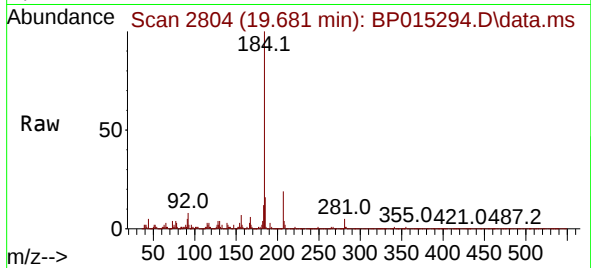




#77
Benzidine
Concen: 11.145 ng
RT: 19.681 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

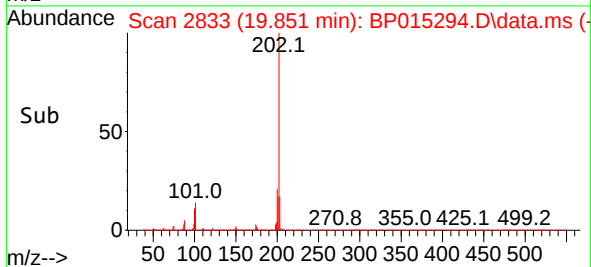
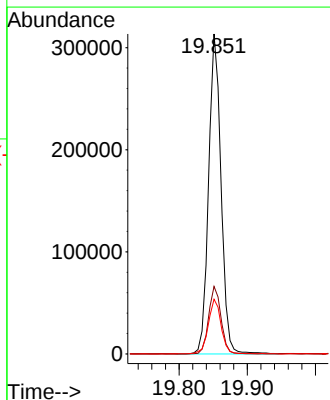
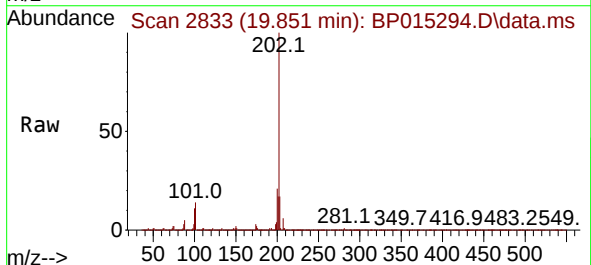
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

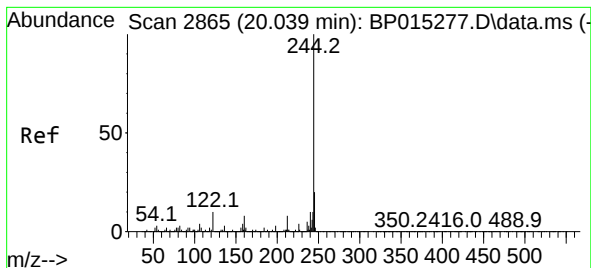
Tgt Ion:184 Resp: 149140
Ion Ratio Lower Upper
184 100
185 15.8 11.6 17.4
183 11.8 9.4 14.0



#78
Pyrene
Concen: 6.561 ng
RT: 19.851 min Scan# 2833
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:202 Resp: 396703
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 65.687 ng

RT: 20.039 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

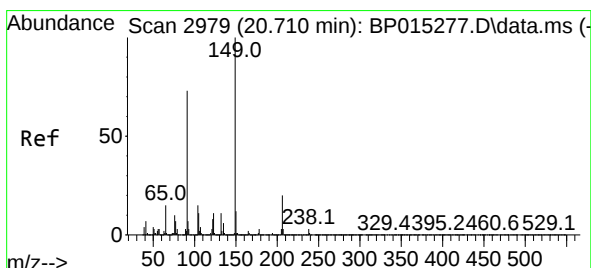
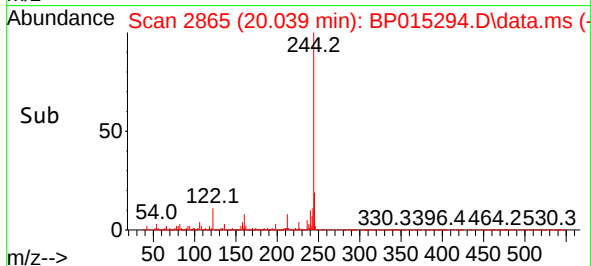
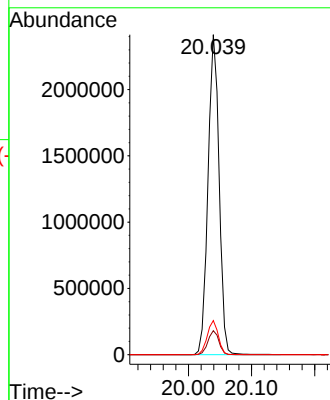
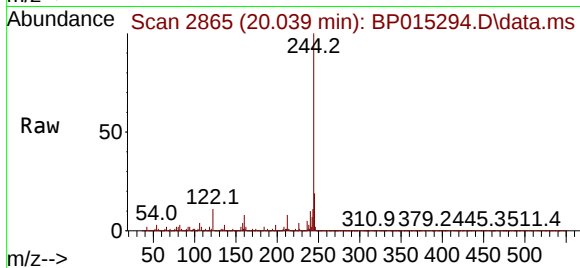
Tgt Ion:244 Resp: 2951188

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 10.7 8.2 12.4



#80

Butylbenzylphthalate

Concen: 5.491 ng

RT: 20.710 min Scan# 2979

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

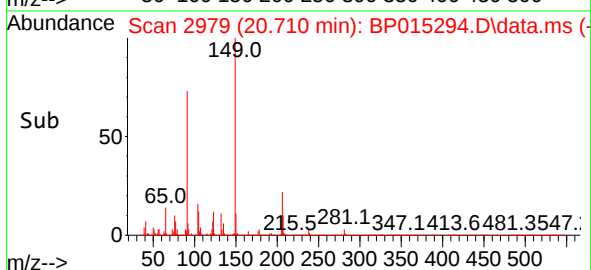
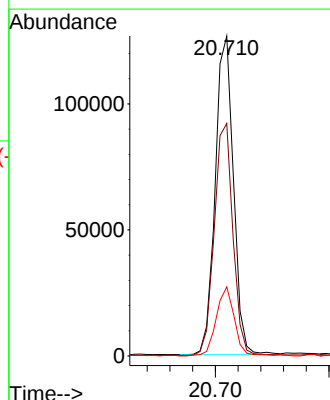
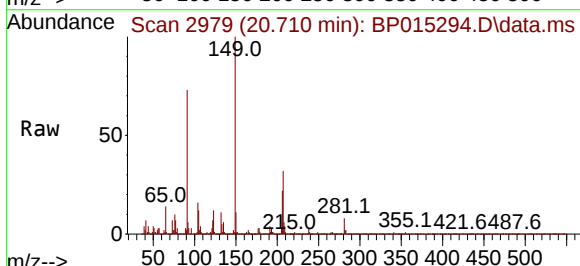
Tgt Ion:149 Resp: 140694

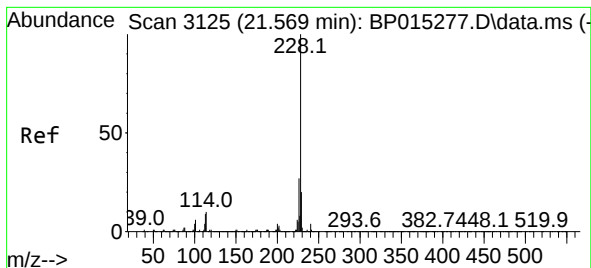
Ion Ratio Lower Upper

149 100

91 72.6 58.2 87.2

206 21.6 16.2 24.4





#81

Benzo(a)anthracene

Concen: 6.709 ng

RT: 21.563 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

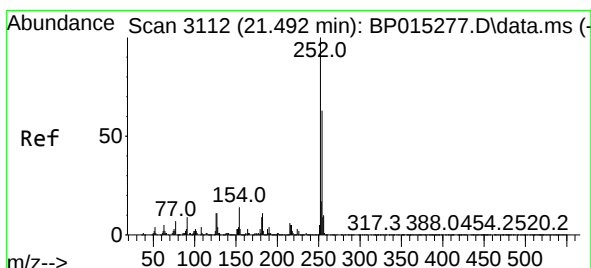
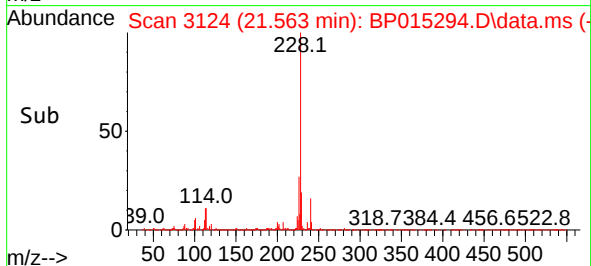
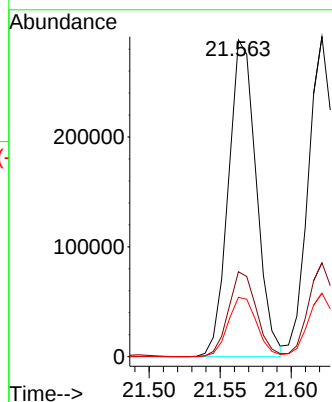
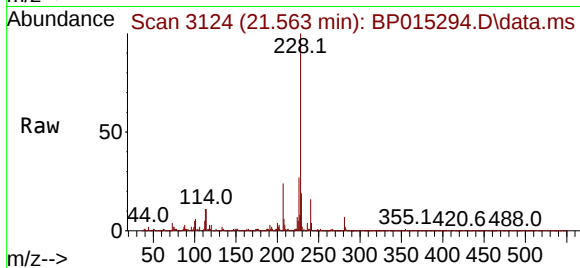
Tgt Ion:228 Resp: 393938

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 18.7 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 7.776 ng

RT: 21.492 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

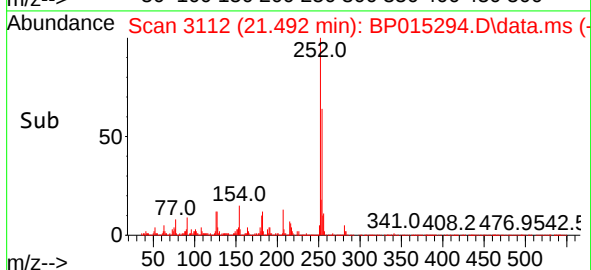
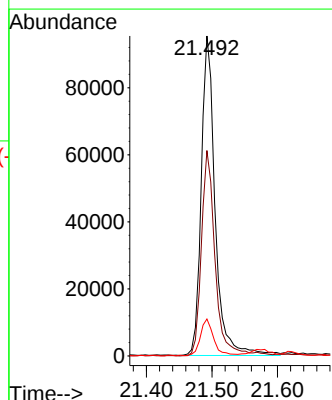
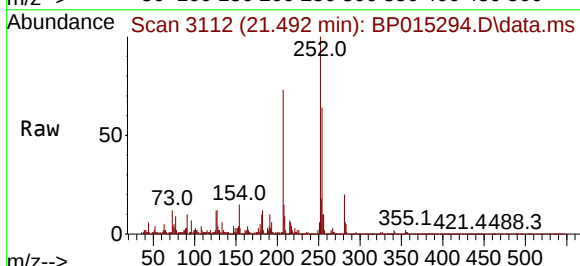
Tgt Ion:252 Resp: 141026

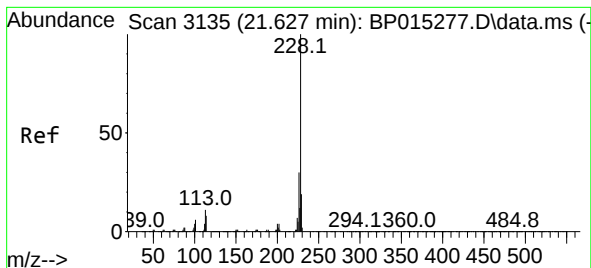
Ion Ratio Lower Upper

252 100

254 64.2 50.7 76.1

126 11.5 8.7 13.1





#83

Chrysene

Concen: 6.781 ng

RT: 21.622 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

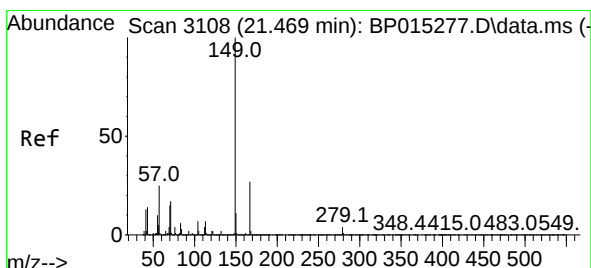
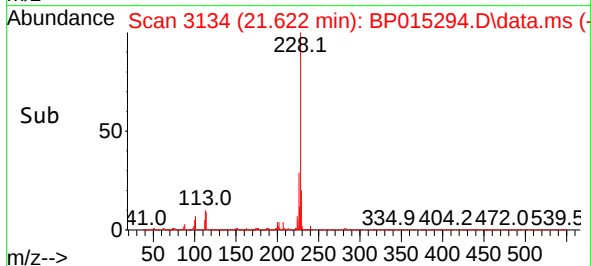
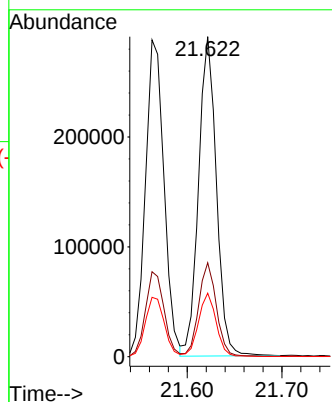
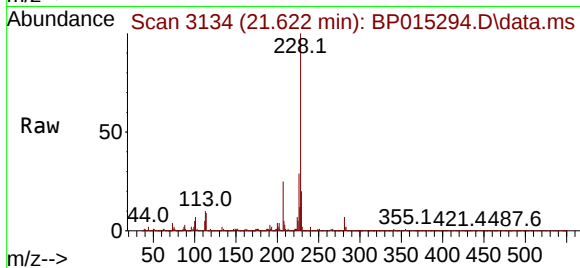
Tgt Ion:228 Resp: 381805

Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.6

229 19.8 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.711 ng

RT: 21.463 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

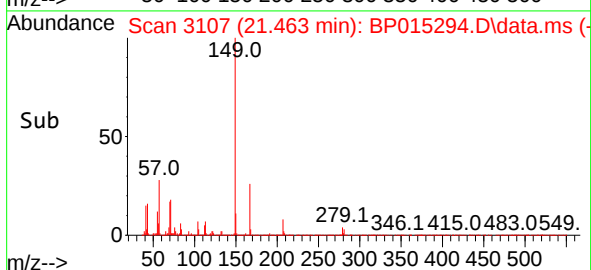
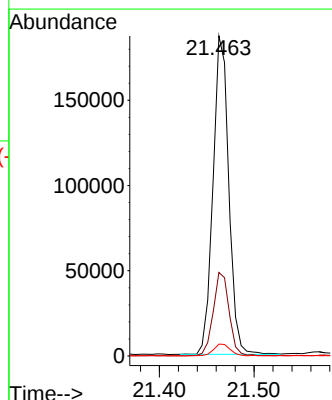
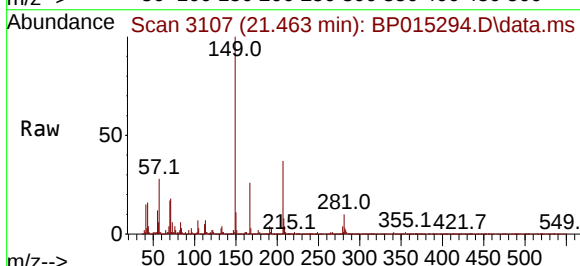
Tgt Ion:149 Resp: 215547

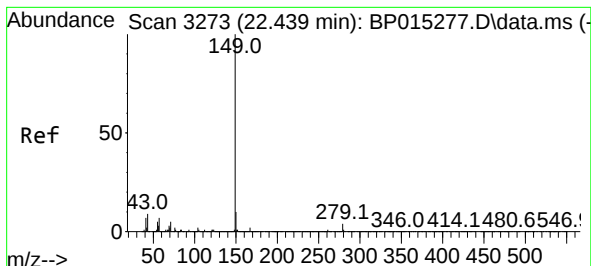
Ion Ratio Lower Upper

149 100

167 26.1 21.6 32.4

279 3.7 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 5.598 ng

RT: 22.439 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

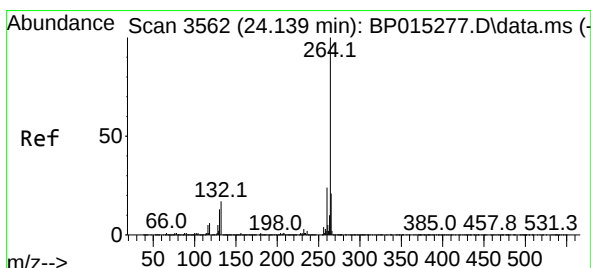
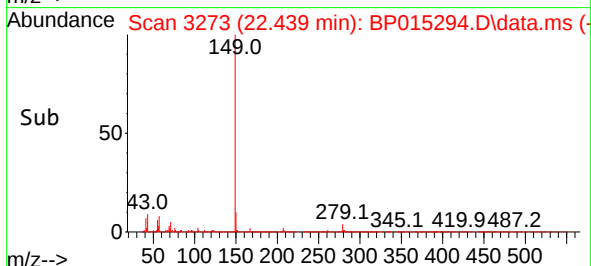
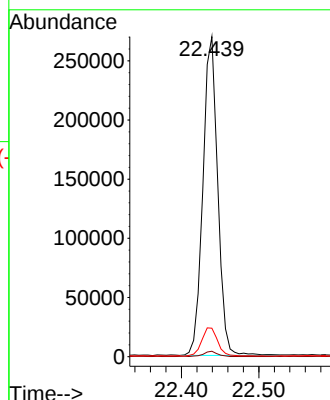
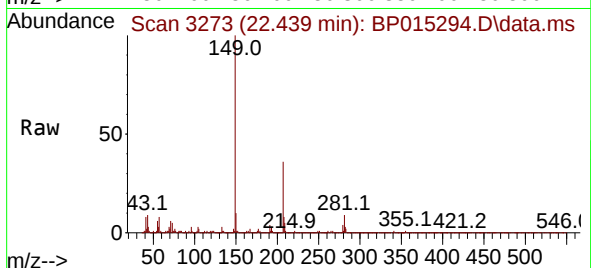
Tgt Ion:149 Resp: 357420

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.5 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 3562

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

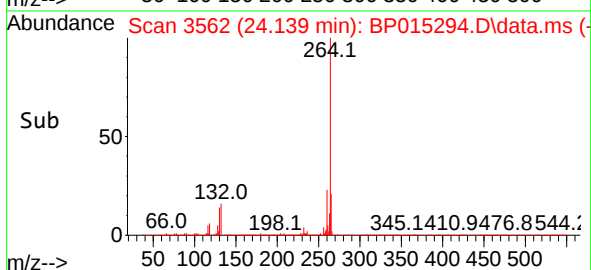
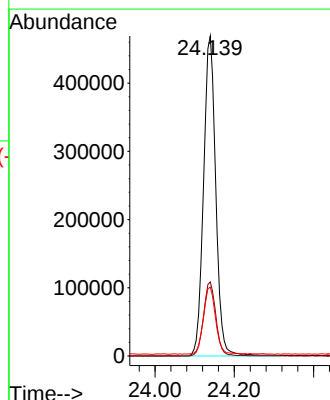
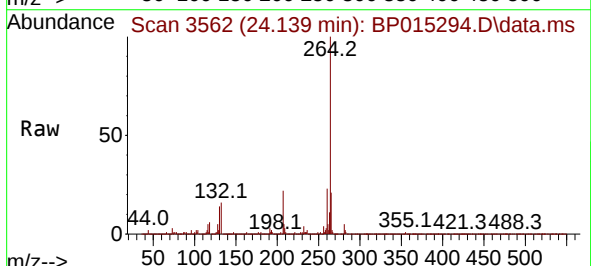
Tgt Ion:264 Resp: 1003644

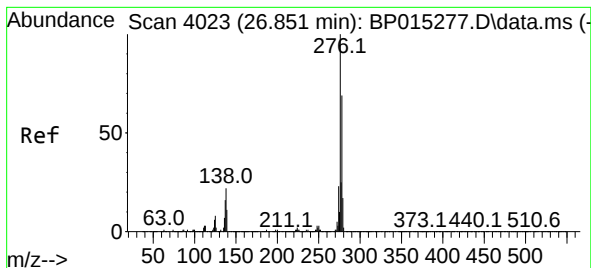
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.720 ng

RT: 26.839 min Scan# 4021

Delta R.T. -0.012 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

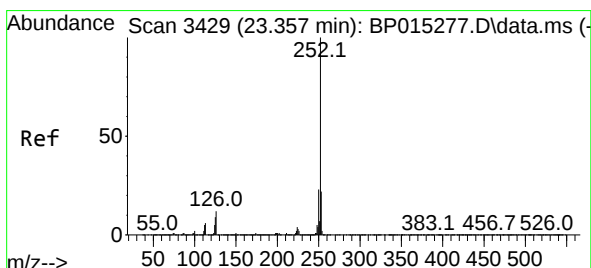
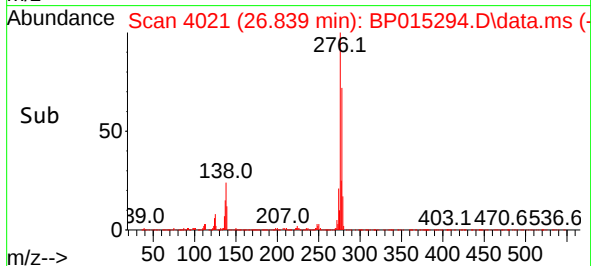
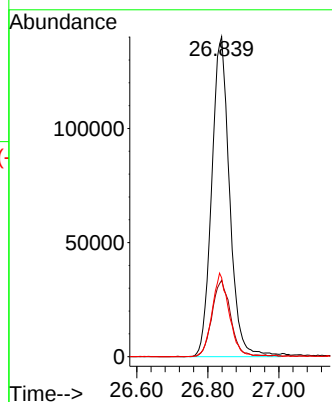
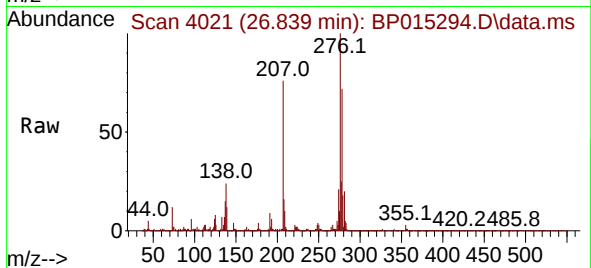
Tgt Ion:276 Resp: 488835

Ion Ratio Lower Upper

276 100

138 24.7 19.0 28.6

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.685 ng

RT: 23.345 min Scan# 3427

Delta R.T. -0.012 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

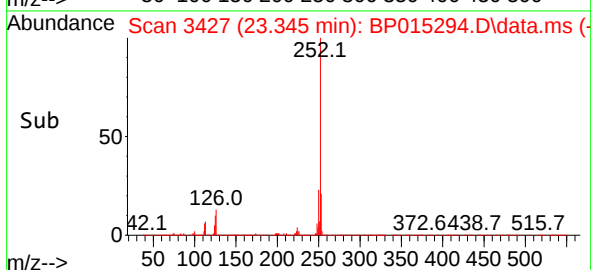
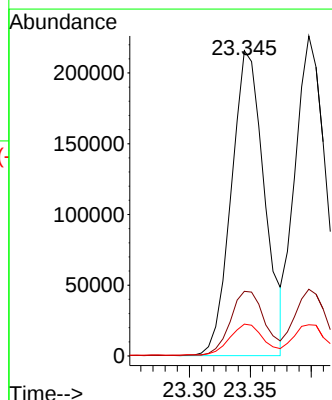
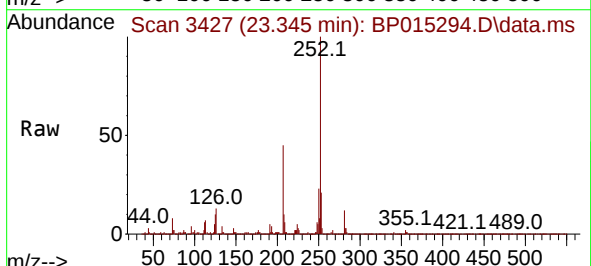
Tgt Ion:252 Resp: 407956

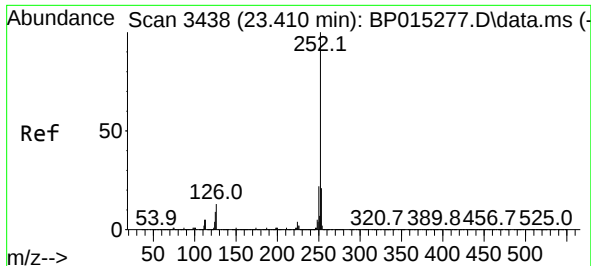
Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

125 10.4 7.2 10.8

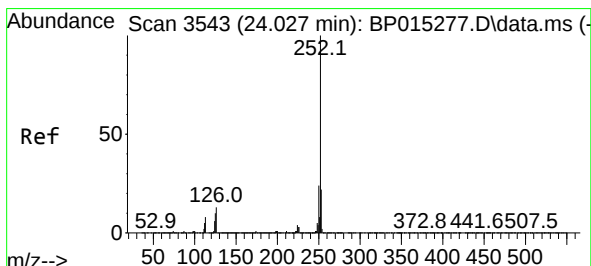
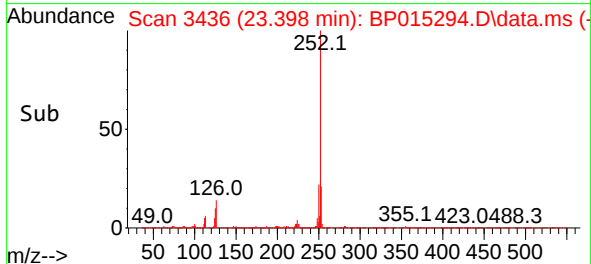
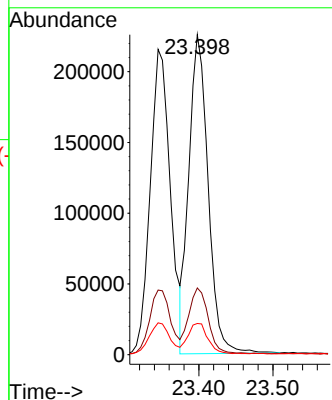
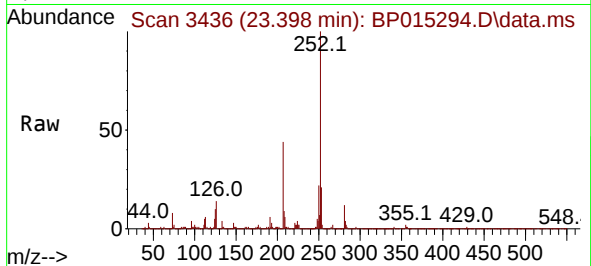




#89
Benzo(k)fluoranthene
Concen: 6.633 ng
RT: 23.398 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

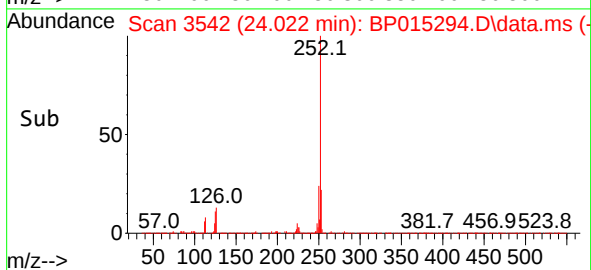
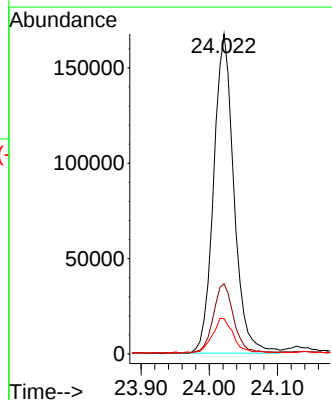
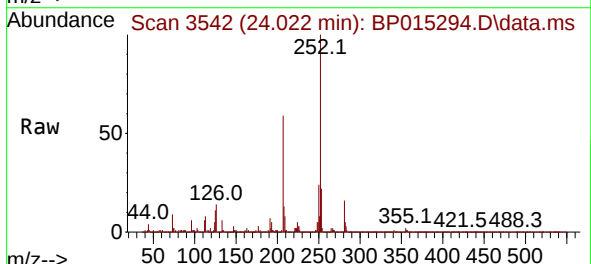
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

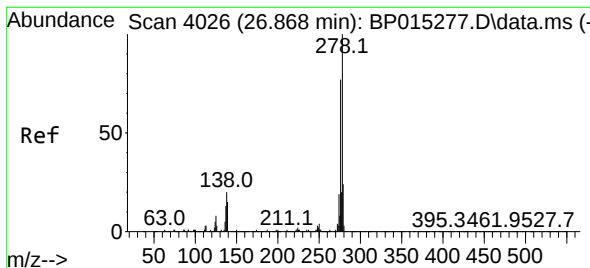
Tgt Ion:252 Resp: 407612
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.4
125 9.8 7.4 11.0



#90
Benzo(a)pyrene
Concen: 5.898 ng
RT: 24.022 min Scan# 3542
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:252 Resp: 347487
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.1 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 6.792 ng

RT: 26.857 min Scan# 4026

Delta R.T. -0.012 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

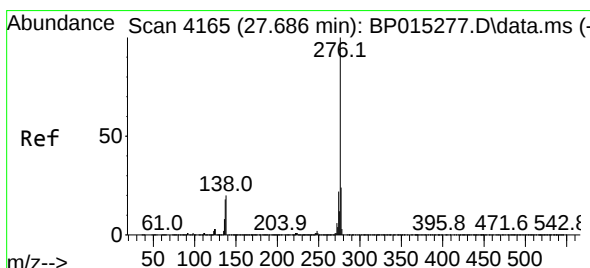
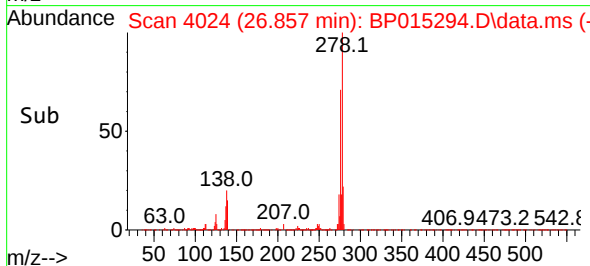
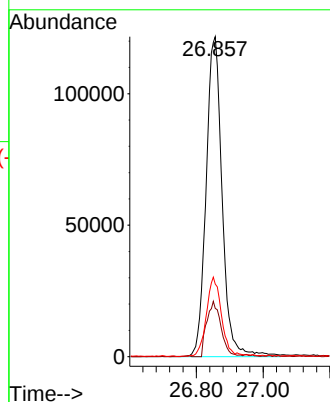
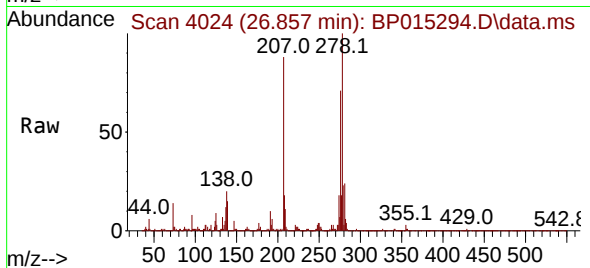
Tgt Ion:278 Resp: 405776

Ion Ratio Lower Upper

278 100

139 15.1 12.3 18.5

279 22.7 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 6.624 ng

RT: 27.668 min Scan# 4162

Delta R.T. -0.018 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Tgt Ion:276 Resp: 402064

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.6

138 23.1 16.2 24.2

