

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015293.D
 Acq On : 25 May 2023 15:57
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 25 16:36:59 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	8.110	152	197990	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	762023	20.000	ng	0.00
39) Acenaphthene-d10	14.757	164	468861	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	946084	20.000	ng	0.00
76) Chrysene-d12	21.586	240	719381	20.000	ng	0.00
86) Perylene-d12	24.145	264	766647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1272587	106.508	ng	0.00
7) Phenol-d6	7.263	99	1673596	106.881	ng	0.00
23) Nitrobenzene-d5	9.287	82	1230011	78.812	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	680443	106.795	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2695243	77.177	ng	0.00
79) Terphenyl-d14	20.045	244	3130625	81.856	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	20321	3.840	ng	92
3) Pyridine	3.893	79	41579	3.074	ng	96
4) n-Nitrosodimethylamine	3.787	42	23838	3.777	ng	# 90
6) Aniline	7.428	93	76318	3.856	ng	99
8) 2-Chlorophenol	7.669	128	49264	3.946	ng	97
9) Benzaldehyde	7.240	77	49343	1.117	ng	93
10) Phenol	7.287	94	61304	3.909	ng	93
11) bis(2-Chloroethyl)ether	7.528	93	52955	4.029	ng	96
12) 1,3-Dichlorobenzene	7.999	146	57235	4.120	ng	96
13) 1,4-Dichlorobenzene	8.146	146	58077	4.153	ng	99
14) 1,2-Dichlorobenzene	8.469	146	54017	4.048	ng	98
15) Benzyl Alcohol	8.357	79	37075	3.392	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.640	45	69731	4.114	ng	95
17) 2-Methylphenol	8.557	107	39045	3.499	ng	97
18) Hexachloroethane	9.205	117	21207	4.023	ng	99
19) n-Nitroso-di-n-propyla...	8.922	70	40046	3.996	ng	97
20) 3+4-Methylphenols	8.893	107	51097	3.389	ng	96
22) Acetophenone	8.946	105	80431	4.064	ng	# 98
24) Nitrobenzene	9.328	77	61246	3.941	ng	96
25) Isophorone	9.857	82	101844	3.636	ng	97
26) 2-Nitrophenol	10.052	139	21875	3.207	ng	# 94
27) 2,4-Dimethylphenol	10.104	122	43831	3.833	ng	96
28) bis(2-Chloroethoxy)met...	10.340	93	68671	3.978	ng	98
29) 2,4-Dichlorophenol	10.593	162	41255	3.479	ng	94
30) 1,2,4-Trichlorobenzene	10.804	180	51632	3.904	ng	98
31) Naphthalene	10.993	128	162071	4.039	ng	98
32) Benzoic acid	10.169	122	11208	7.417	ng	# 82
33) 4-Chloroaniline	11.110	127	58531	3.528	ng	97
34) Hexachlorobutadiene	11.269	225	32213	3.844	ng	95
35) Caprolactam	11.875	113	11026	3.029	ng	92
36) 4-Chloro-3-methylphenol	12.216	107	44149	3.425	ng	96
37) 2-Methylnaphthalene	12.593	142	109463	3.838	ng	99
38) 1-Methylnaphthalene	12.810	142	103607	3.893	ng	96
40) 1,2,4,5-Tetrachloroben...	12.957	216	60270	3.918	ng	100
41) Hexachlorocyclopentadiene	12.928	237	27391	3.361	ng	95
43) 2,4,6-Trichlorophenol	13.193	196	33850	3.390	ng	97

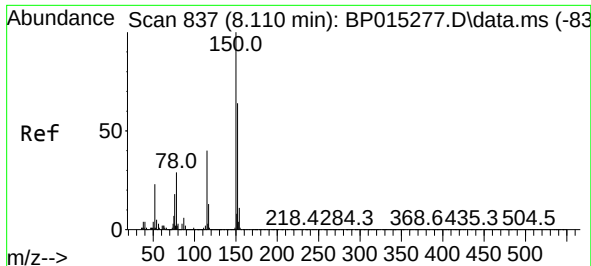
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.269	196	36436	3.104	ng	99
46) 1,1'-Biphenyl	13.593	154	156433	4.211	ng	96
47) 2-Chloronaphthalene	13.634	162	116142	4.144	ng	99
48) 2-Nitroaniline	13.845	65	25046	2.926	ng	99
49) Acenaphthylene	14.481	152	170102	3.793	ng	98
50) Dimethylphthalate	14.204	163	137483	3.748	ng	99
51) 2,6-Dinitrotoluene	14.328	165	26407	3.410	ng	96
52) Acenaphthene	14.816	154	104076	3.897	ng	98
53) 3-Nitroaniline	14.663	138	21601	2.729	ng	93
54) 2,4-Dinitrophenol	14.875	184	7933	6.611	ng	96
55) Dibenzofuran	15.151	168	172069	3.939	ng	99
56) 4-Nitrophenol	14.969	139	14509	5.426	ng	99
57) 2,4-Dinitrotoluene	15.122	165	30191	2.965	ng	98
58) Fluorene	15.804	166	135258	4.008	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.381	232	32499	3.461	ng	98
60) Diethylphthalate	15.563	149	132615	3.629	ng	99
61) 4-Chlorophenyl-phenyle...	15.792	204	67980	3.935	ng	96
62) 4-Nitroaniline	15.828	138	17791	4.295	ng	91
63) Azobenzene	16.087	77	124558	3.573	ng	98
65) 4,6-Dinitro-2-methylph...	15.881	198	13941	2.426	ng	93
66) n-Nitrosodiphenylamine	16.010	169	110809	3.931	ng	99
67) 4-Bromophenyl-phenylether	16.692	248	38568	3.770	ng	99
68) Hexachlorobenzene	16.810	284	46958	4.168	ng	99
69) Atrazine	16.957	200	34434	3.825	ng	99
70) Pentachlorophenol	17.157	266	19365	2.508	ng	95
71) Phenanthrene	17.551	178	204383	4.053	ng	100
72) Anthracene	17.645	178	190938	3.781	ng	98
73) Carbazole	17.916	167	157803	3.529	ng	99
74) Di-n-butylphthalate	18.445	149	181137	3.154	ng	98
75) Fluoranthene	19.504	202	200100	3.397	ng	99
77) Benzidine	19.686	184	56050	4.920	ng	98
78) Pyrene	19.857	202	211765	4.114	ng	99
80) Butylbenzylphthalate	20.716	149	63045	2.890	ng	97
81) Benzo(a)anthracene	21.569	228	187615	3.754	ng	99
82) 3,3'-Dichlorobenzidine	21.498	252	59526	3.856	ng	100
83) Chrysene	21.627	228	182994	3.818	ng	99
84) Bis(2-ethylhexyl)phtha...	21.469	149	87289	2.717	ng	100
85) Di-n-octyl phthalate	22.445	149	143370	2.638	ng	98
87) Indeno(1,2,3-cd)pyrene	26.851	276	197516	3.555	ng	98
88) Benzo(b)fluoranthene	23.357	252	175110	3.757	ng	98
89) Benzo(k)fluoranthene	23.410	252	184805	3.937	ng	98
90) Benzo(a)pyrene	24.033	252	149052	3.312	ng	99
91) Dibenzo(a,h)anthracene	26.868	278	164142	3.597	ng	99
92) Benzo(g,h,i)perylene	27.686	276	167266	3.607	ng	96

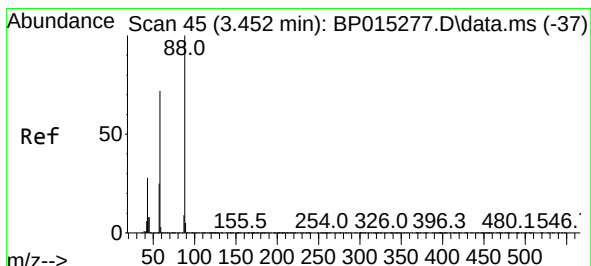
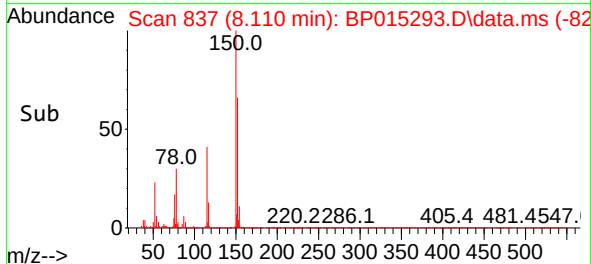
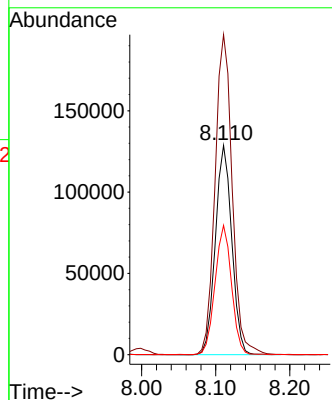
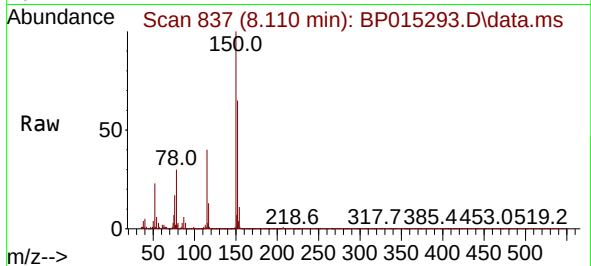
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.110 min Scan# 81
 Delta R.T. 0.000 min
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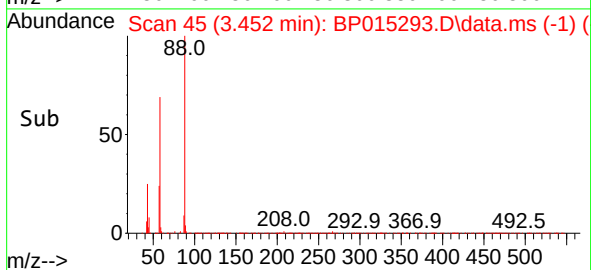
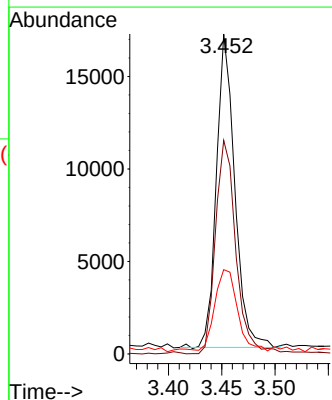
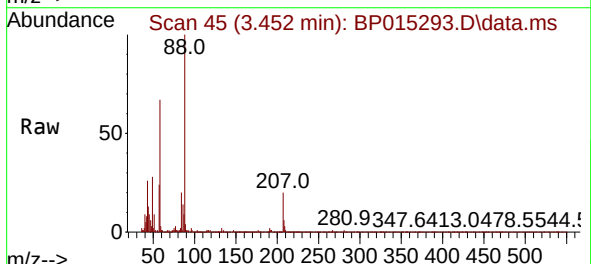
Instrument :
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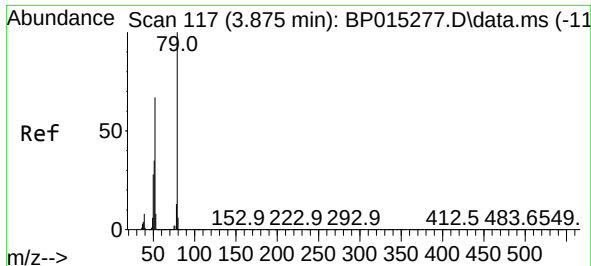
Tgt Ion:152 Resp: 197990
 Ion Ratio Lower Upper
 152 100
 150 152.9 124.2 186.2
 115 61.7 49.1 73.7



#2
 1,4-Dioxane
 Concen: 3.840 ng
 RT: 3.452 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

Tgt Ion: 88 Resp: 20321
 Ion Ratio Lower Upper
 88 100
 58 76.6 56.2 84.4
 43 32.2 22.1 33.1

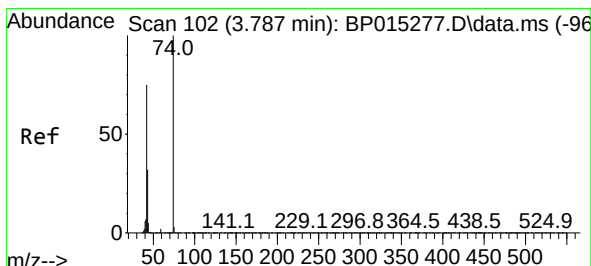
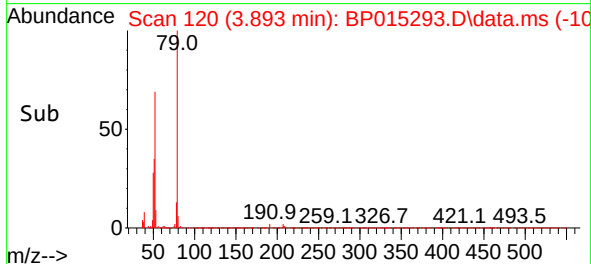
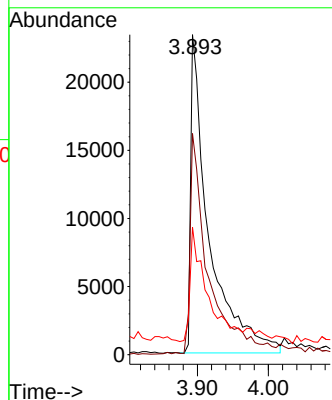
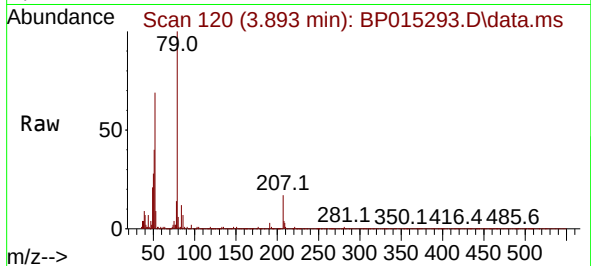




#3
Pyridine
Concen: 3.074 ng
RT: 3.893 min Scan# 117
Delta R.T. 0.018 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

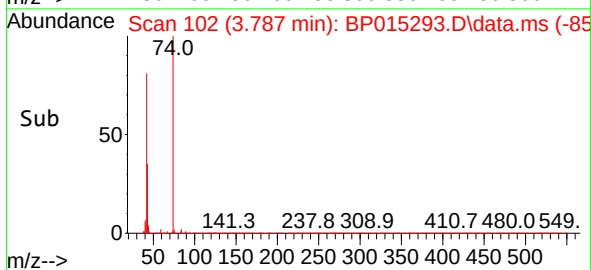
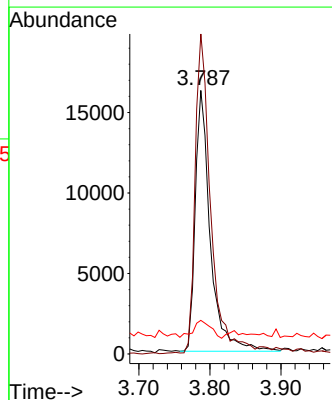
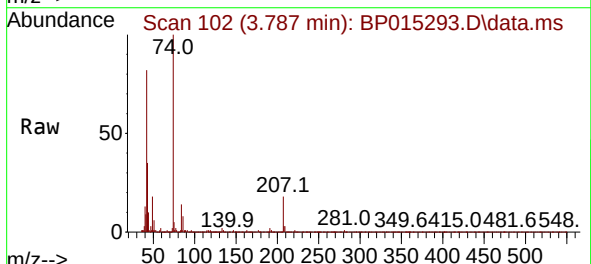
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ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

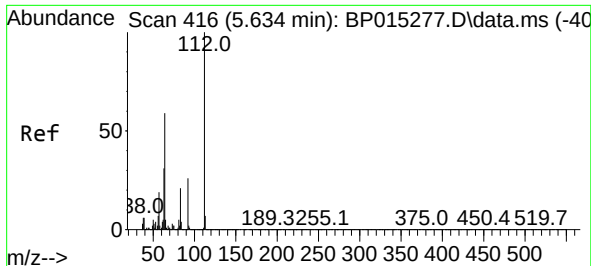
Tgt Ion: 79 Resp: 41579
Ion Ratio Lower Upper
79 100
52 69.1 53.7 80.5
51 39.9 28.6 43.0



#4
n-Nitrosodimethylamine
Concen: 3.777 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 42 Resp: 23838
Ion Ratio Lower Upper
42 100
74 121.4 106.6 160.0
44 12.7 5.8 8.8

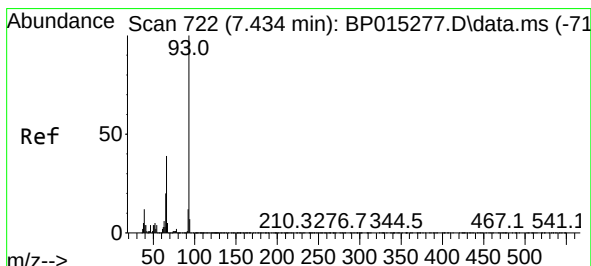
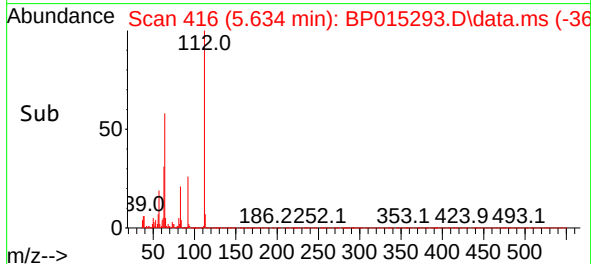
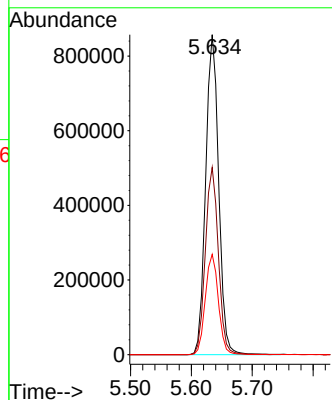
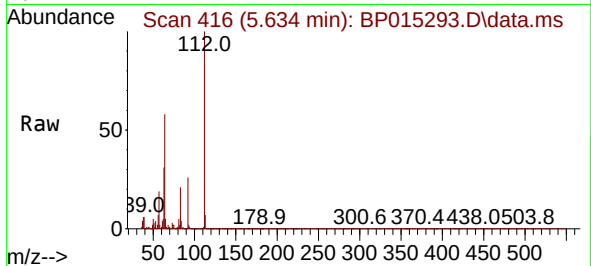




#5
2-Fluorophenol
Concen: 106.508 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

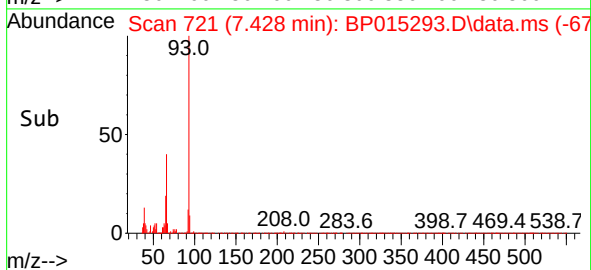
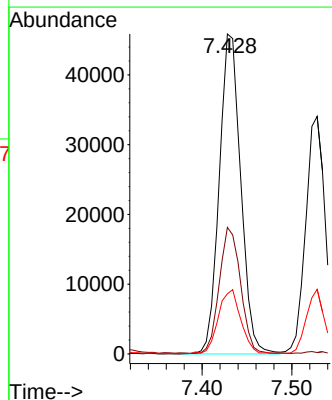
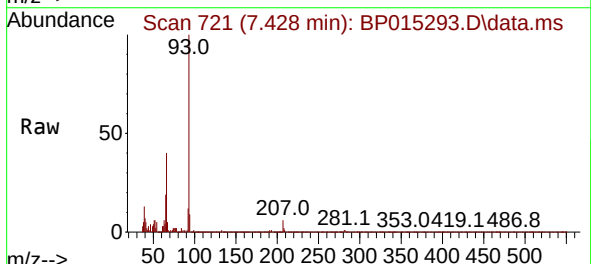
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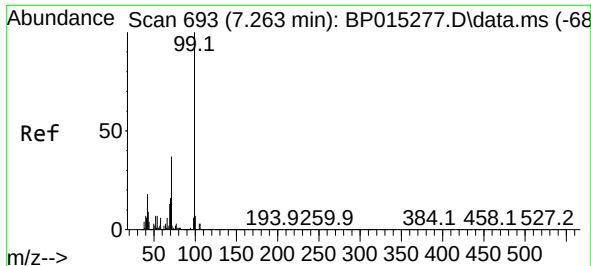
Tgt Ion:112 Resp: 1272587
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 31.4 24.6 37.0



#6
Aniline
Concen: 3.856 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 93 Resp: 76318
Ion Ratio Lower Upper
93 100
66 39.6 31.3 46.9
65 18.8 16.0 24.0

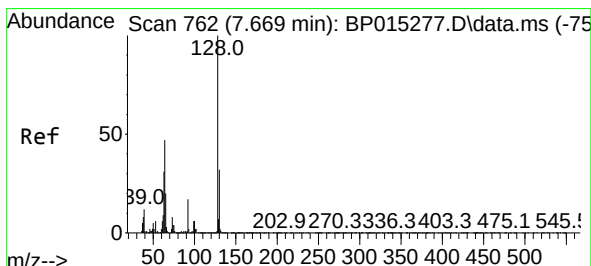
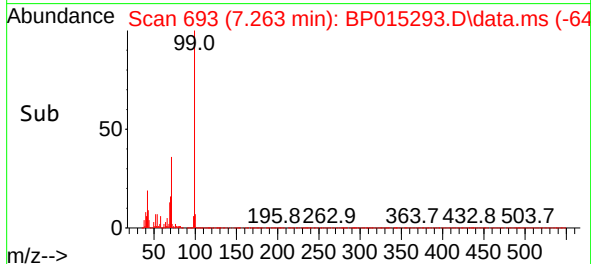
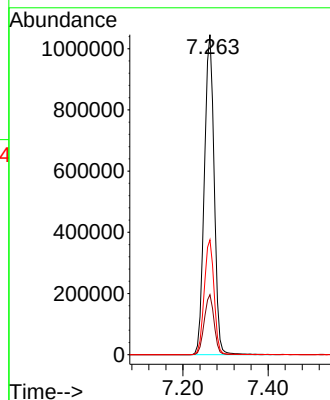
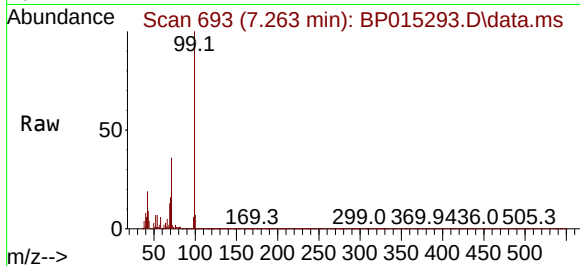




#7
Phenol-d6
Concen: 106.881 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

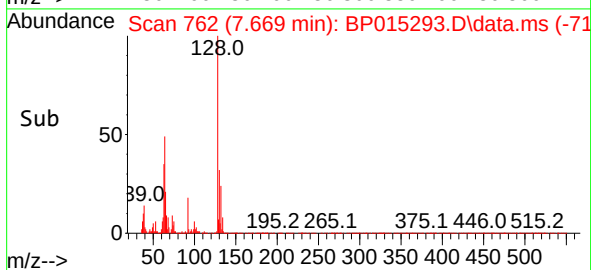
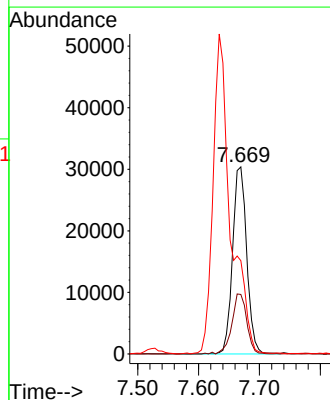
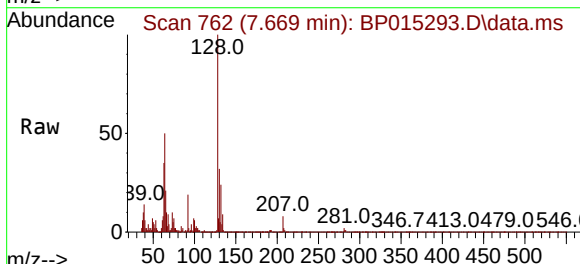
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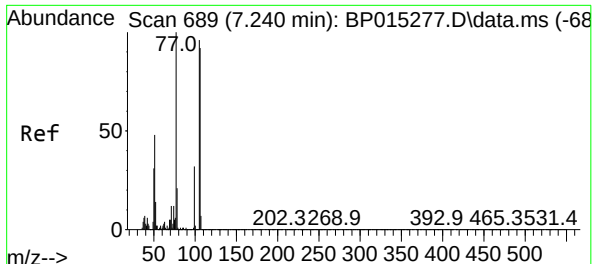
Tgt Ion: 99 Resp: 1673596
Ion Ratio Lower Upper
99 100
42 18.7 14.6 22.0
71 35.9 29.4 44.2



#8
2-Chlorophenol
Concen: 3.946 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 128 Resp: 49264
Ion Ratio Lower Upper
128 100
130 31.8 11.5 51.5
64 49.8 27.3 67.3

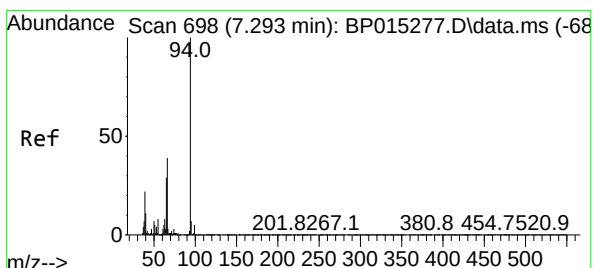
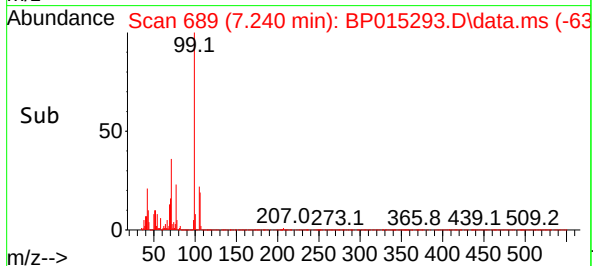
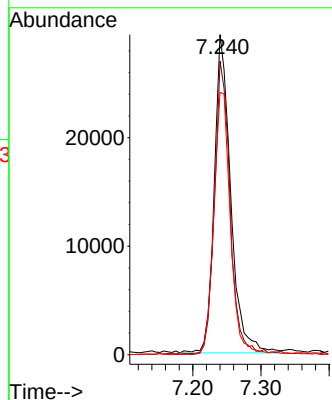
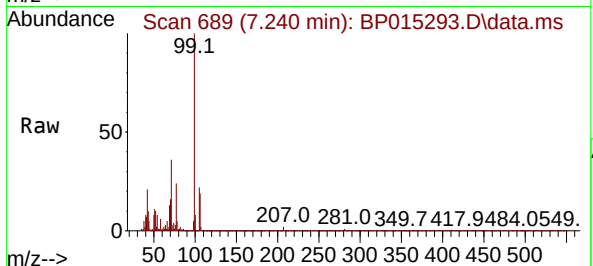




#9
Benzaldehyde
Concen: 1.117 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

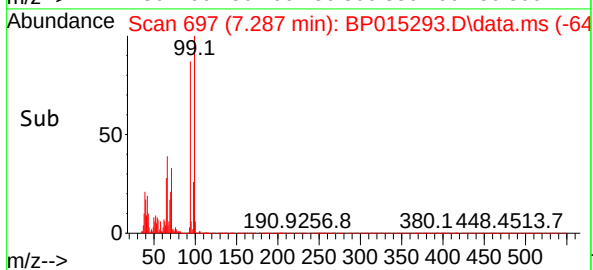
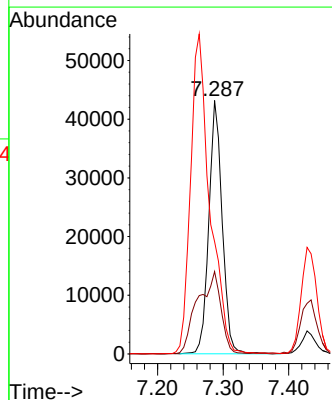
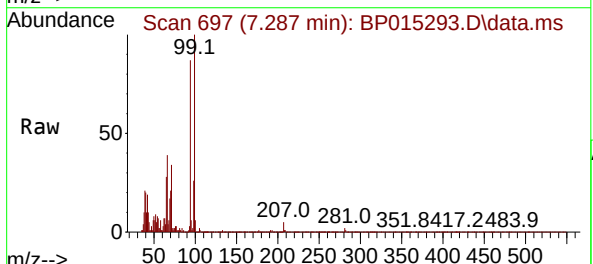
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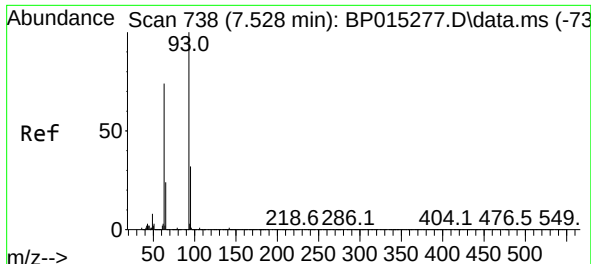
Tgt Ion: 77 Resp: 49343
Ion Ratio Lower Upper
77 100
105 91.8 75.9 115.9
106 82.0 72.3 112.3



#10
Phenol
Concen: 3.909 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 94 Resp: 61304
Ion Ratio Lower Upper
94 100
65 32.5 9.1 49.1
66 44.3 19.3 59.3

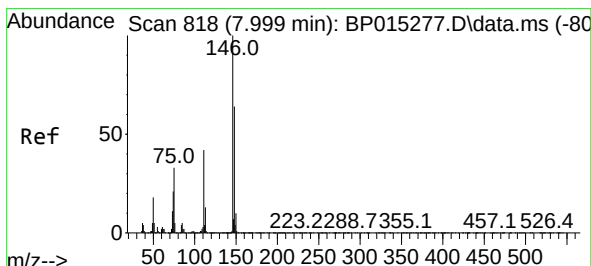
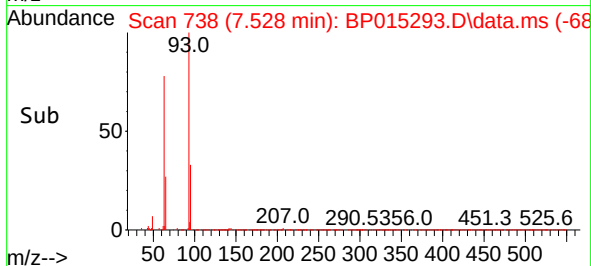
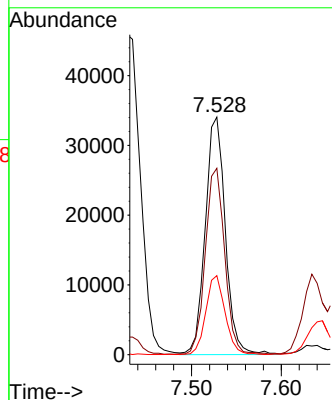
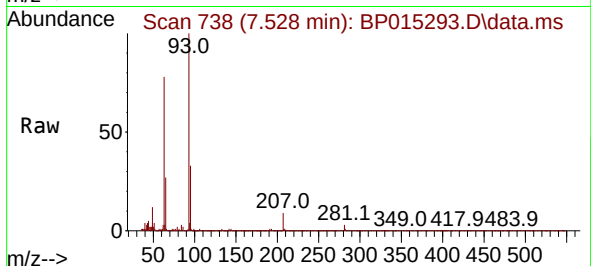




#11
bis(2-Chloroethyl)ether
Concen: 4.029 ng
RT: 7.528 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

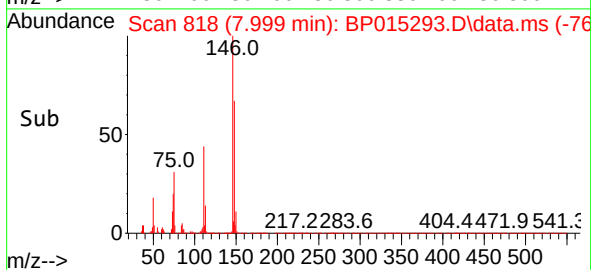
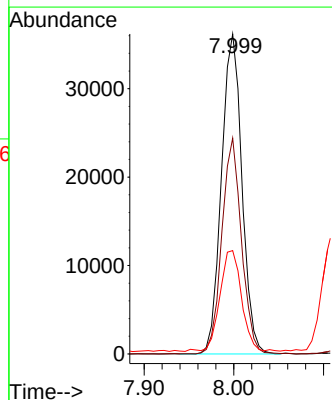
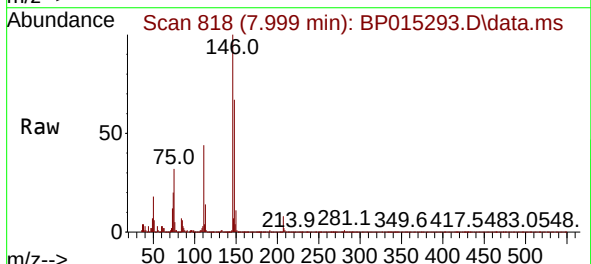
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

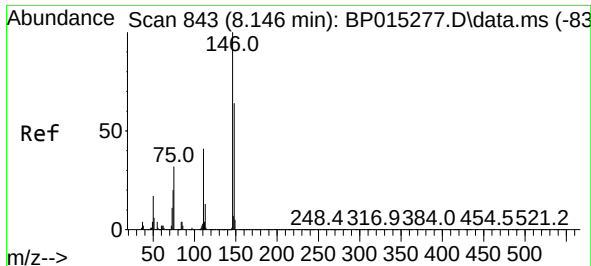
Tgt Ion:	93	Resp:	52955
Ion	Ratio	Lower	Upper
93	100		
63	78.4	53.9	93.9
95	33.3	12.2	52.2



#12
1,3-Dichlorobenzene
Concen: 4.120 ng
RT: 7.999 min Scan# 818
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:	146	Resp:	57235
Ion	Ratio	Lower	Upper
146	100		
148	67.5	50.8	76.2
75	32.3	26.1	39.1





#13

1,4-Dichlorobenzene

Concen: 4.153 ng

RT: 8.146 min Scan# 843

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

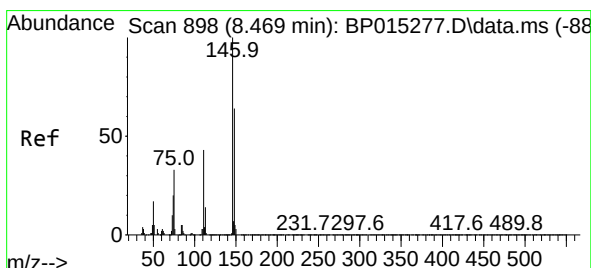
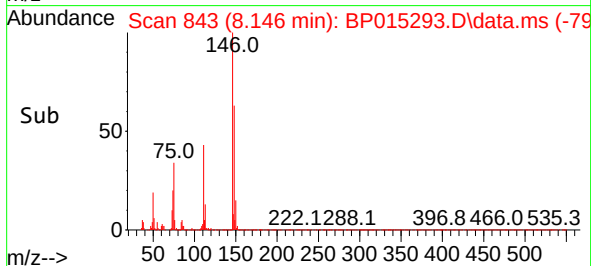
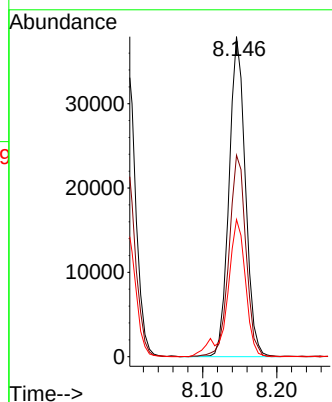
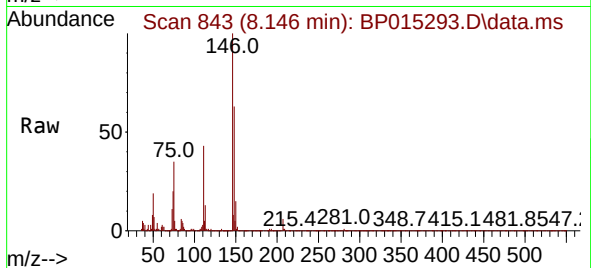
Tgt Ion:146 Resp: 58077

Ion Ratio Lower Upper

146 100

148 63.0 51.0 76.6

111 42.8 33.3 49.9



#14

1,2-Dichlorobenzene

Concen: 4.048 ng

RT: 8.469 min Scan# 898

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

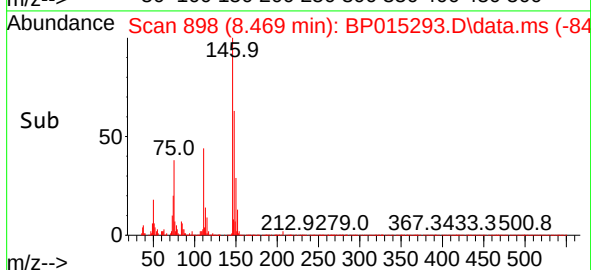
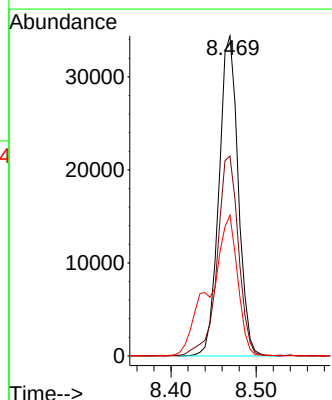
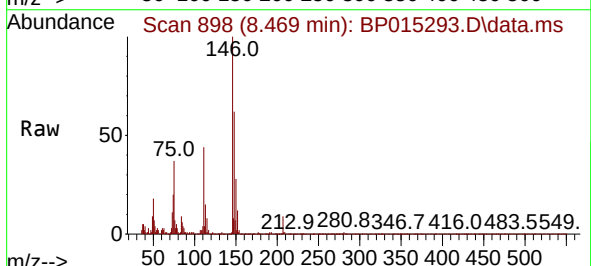
Tgt Ion:146 Resp: 54017

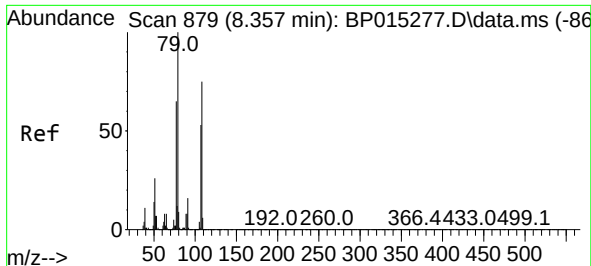
Ion Ratio Lower Upper

146 100

148 62.4 51.4 77.2

111 44.0 34.2 51.2

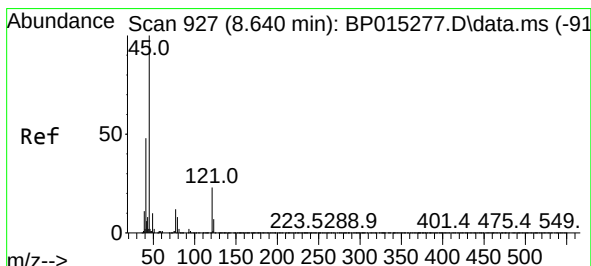
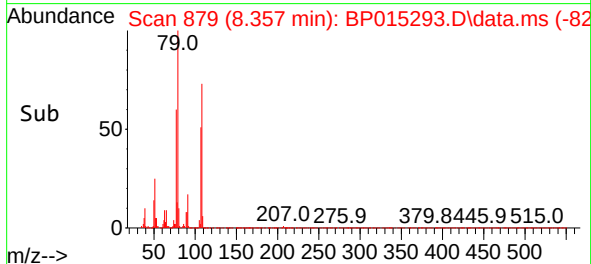
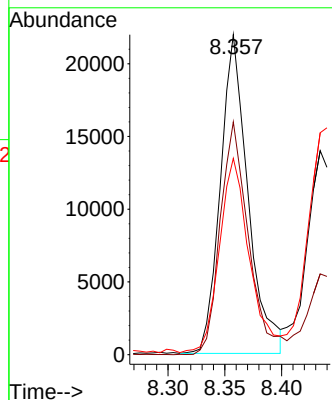
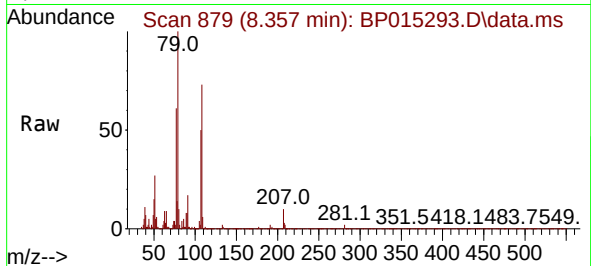




#15
Benzyl Alcohol
Concen: 3.392 ng
RT: 8.357 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

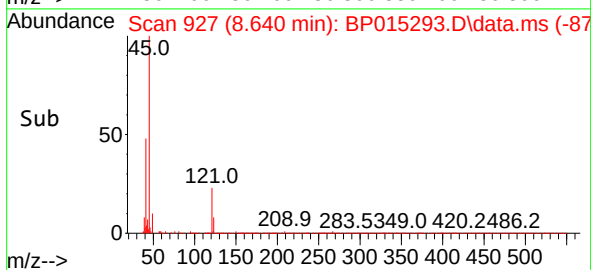
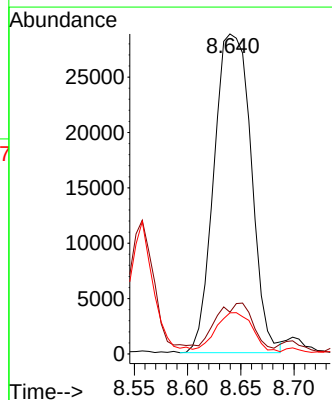
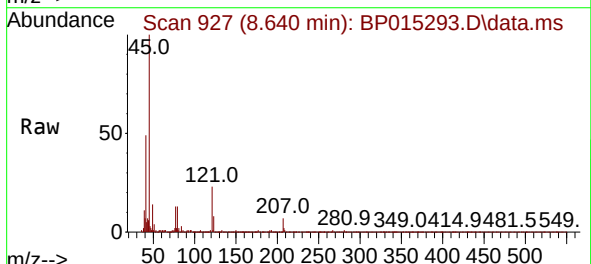
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

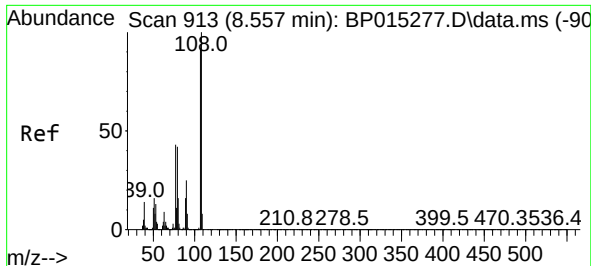
Tgt Ion: 79 Resp: 37075
Ion Ratio Lower Upper
79 100
108 72.7 60.2 90.2
77 61.4 52.1 78.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.114 ng
RT: 8.640 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 45 Resp: 69731
Ion Ratio Lower Upper
45 100
77 13.1 0.0 35.3
79 12.9 0.0 31.2

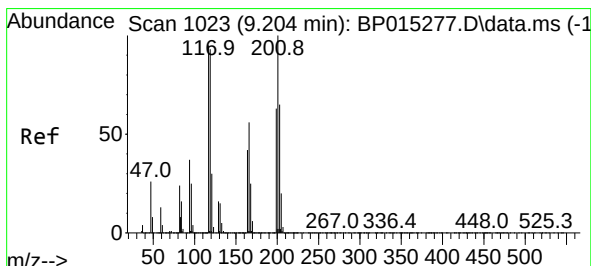
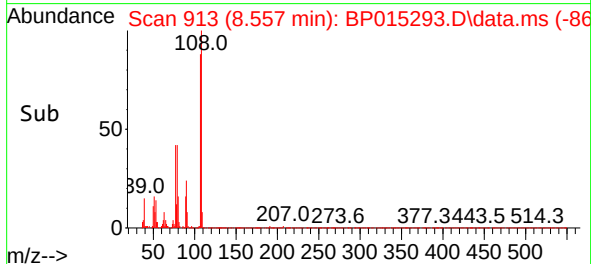
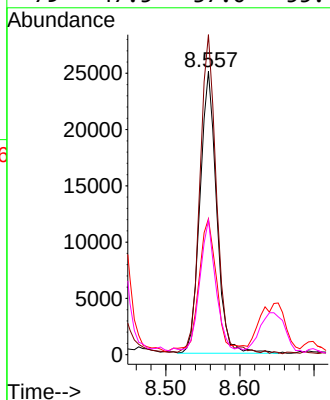
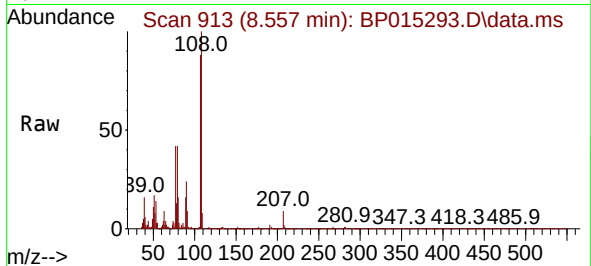




#17
2-Methylphenol
Concen: 3.499 ng
RT: 8.557 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

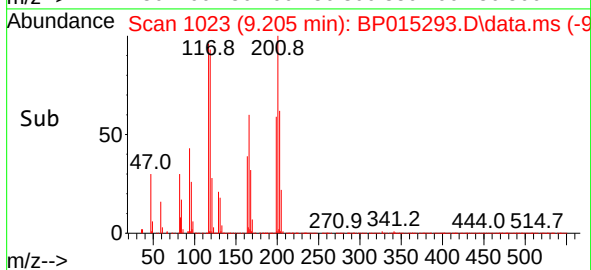
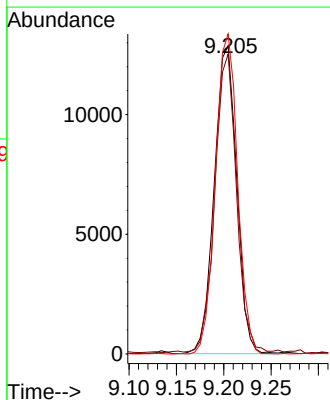
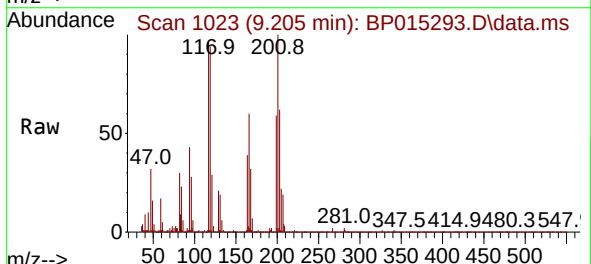
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

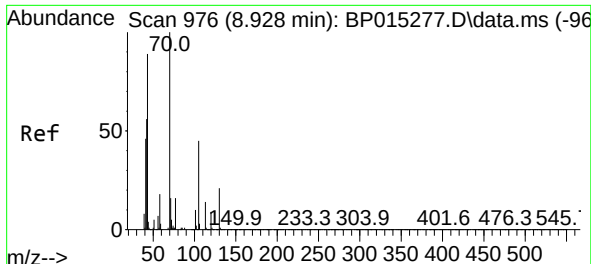
Tgt Ion:	107	Resp:	39045
Ion	Ratio	Lower	Upper
107	100		
108	113.0	87.3	130.9
77	48.0	38.1	57.1
79	47.5	37.0	55.4



#18
Hexachloroethane
Concen: 4.023 ng
RT: 9.205 min Scan# 1023
Delta R.T. 0.001 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:	117	Resp:	21207
Ion	Ratio	Lower	Upper
117	100		
119	97.3	78.8	118.2
201	103.8	84.5	126.7

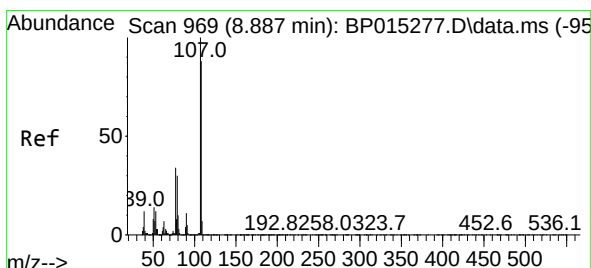
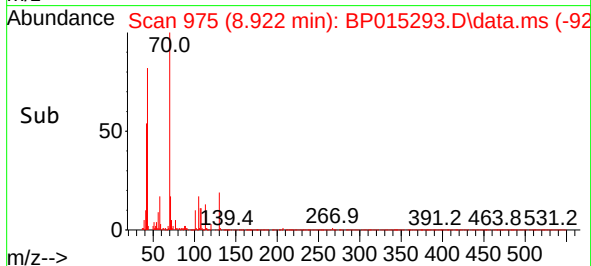
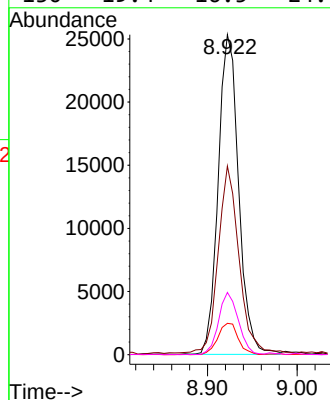
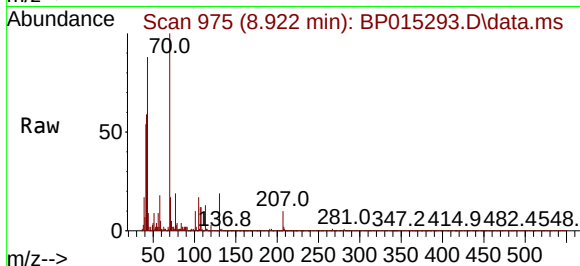




#19
n-Nitroso-di-n-propylamine
Concen: 3.996 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

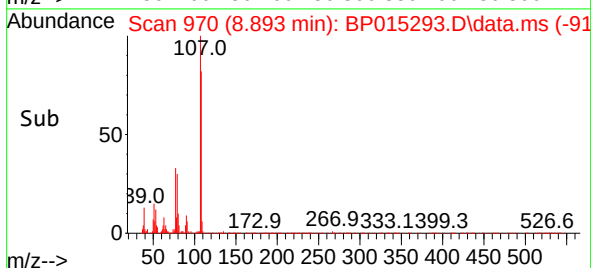
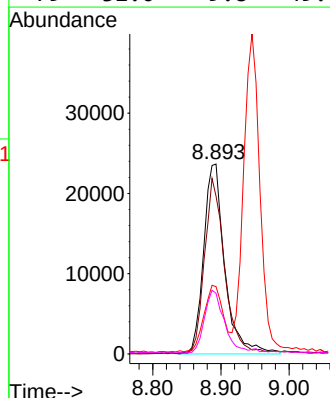
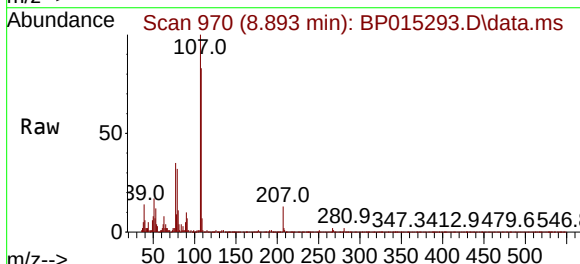
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

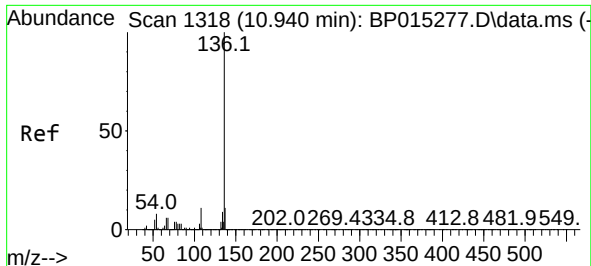
Tgt Ion:	70	Resp:	40046
Ion	Ratio	Lower	Upper
70	100		
42	59.0	45.4	68.2
101	9.8	7.9	11.9
130	19.4	16.5	24.7



#20
3+4-Methylphenols
Concen: 3.389 ng
RT: 8.893 min Scan# 970
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:	107	Resp:	51097
Ion	Ratio	Lower	Upper
107	100		
108	83.1	68.0	108.0
77	35.4	14.5	54.5
79	32.0	9.8	49.8

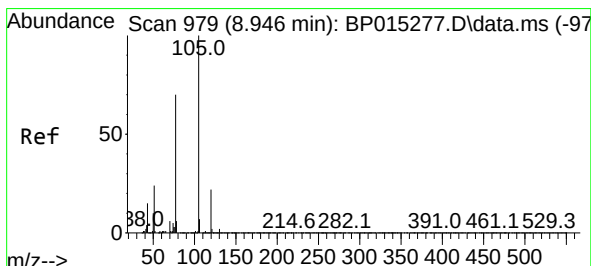
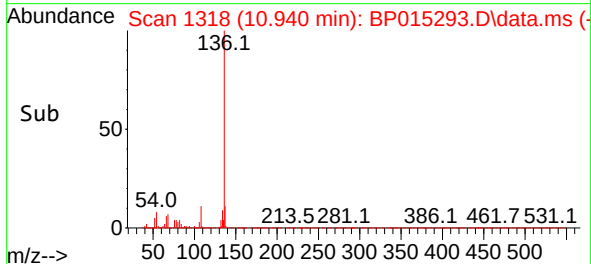
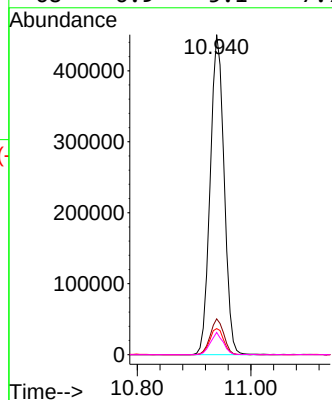
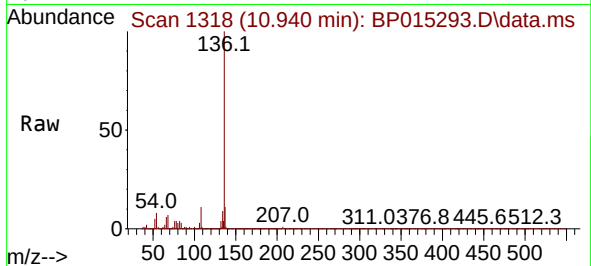




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

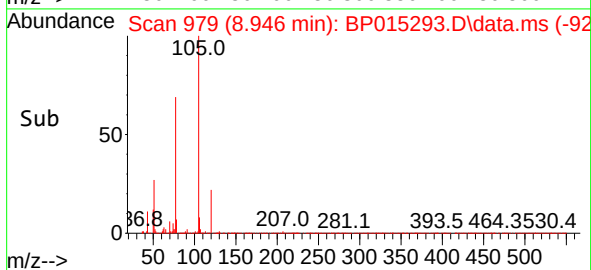
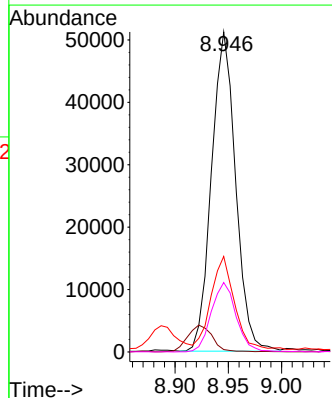
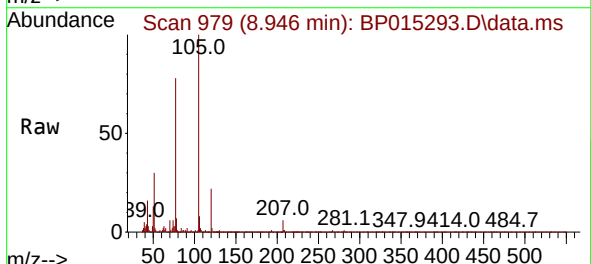
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

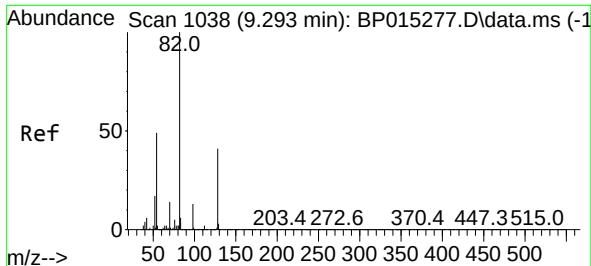
Tgt Ion:	136	Resp:	762023
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.2	6.3	9.5
68	6.9	5.1	7.7



#22
Acetophenone
Concen: 4.064 ng
RT: 8.946 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:	105	Resp:	80431
Ion	Ratio	Lower	Upper
105	100		
71	0.7	1.5	2.3
51	29.9	22.5	33.7
120	21.7	17.2	25.8

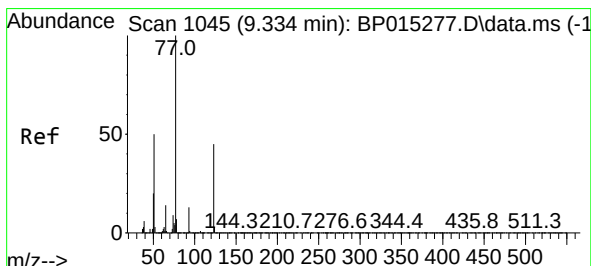
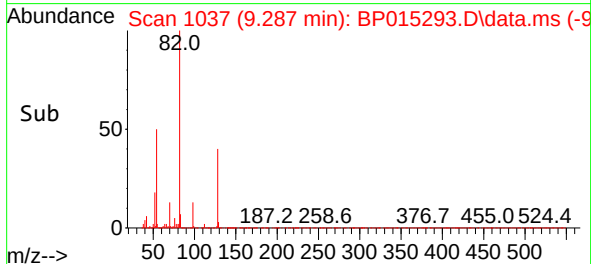
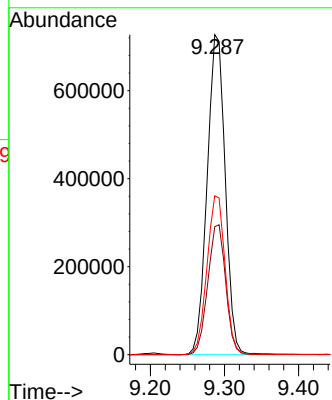
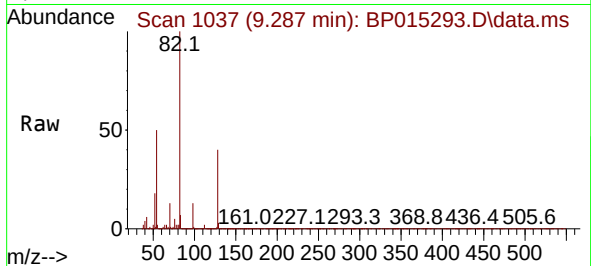




#23
Nitrobenzene-d5
Concen: 78.812 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

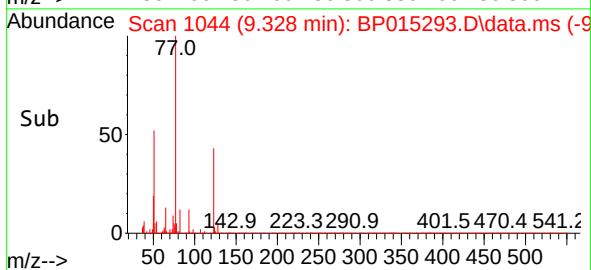
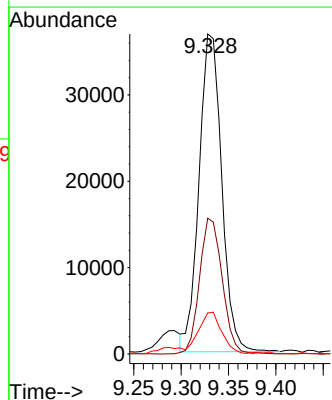
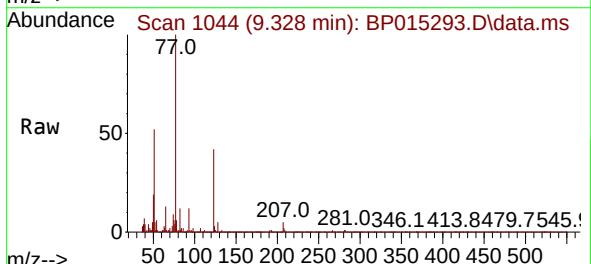
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

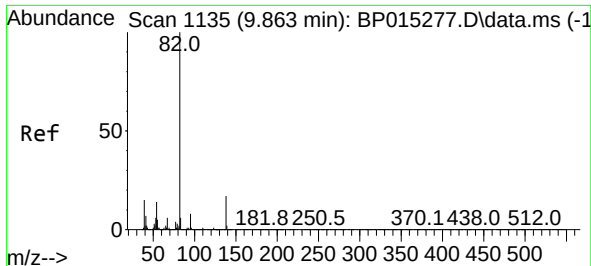
Tgt Ion: 82 Resp: 1230011
Ion Ratio Lower Upper
82 100
128 40.0 33.0 49.4
54 49.7 39.2 58.8



#24
Nitrobenzene
Concen: 3.941 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 77 Resp: 61246
Ion Ratio Lower Upper
77 100
123 42.4 36.2 54.4
65 12.8 10.8 16.2

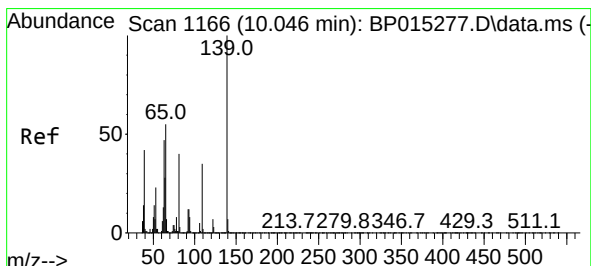
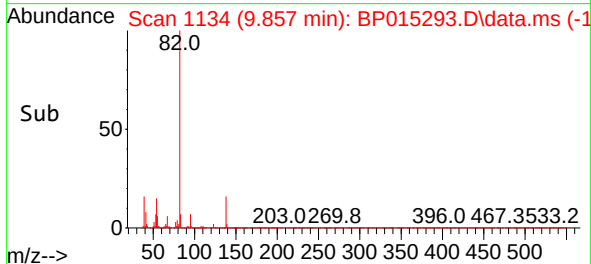
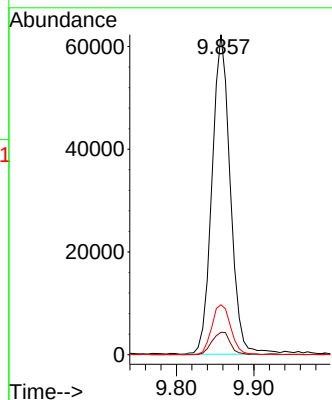
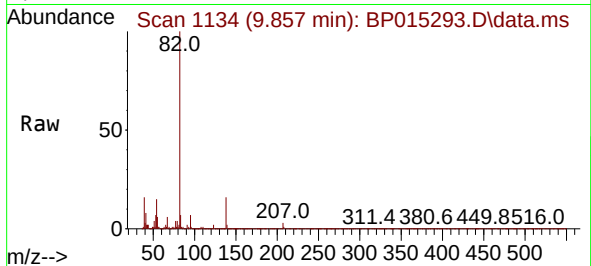




#25
Isophorone
Concen: 3.636 ng
RT: 9.857 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

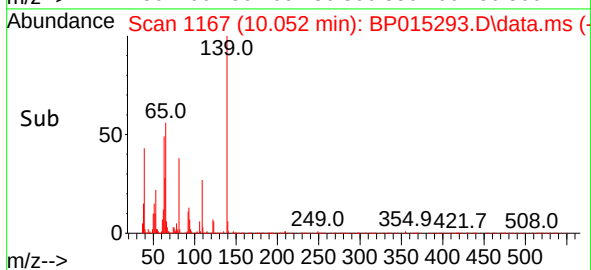
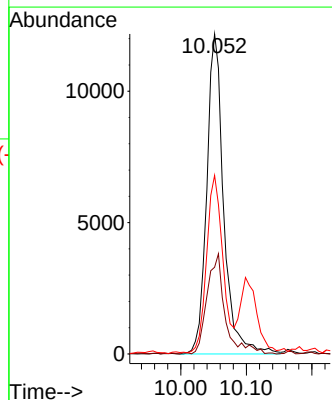
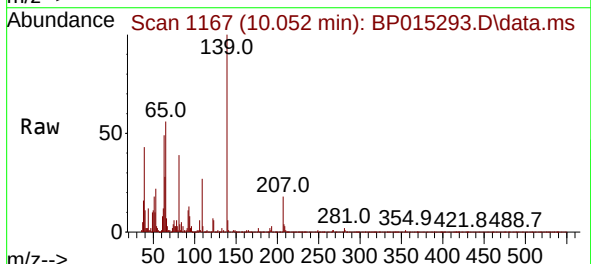
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

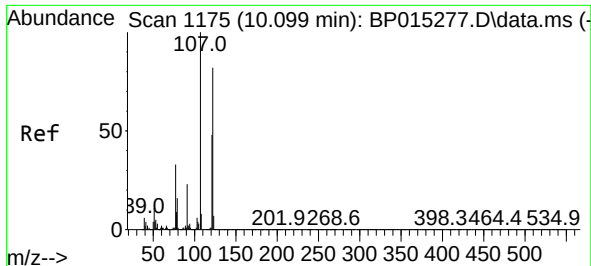
Tgt Ion: 82 Resp: 101844
Ion Ratio Lower Upper
82 100
95 7.0 6.3 9.5
138 15.6 13.6 20.4



#26
2-Nitrophenol
Concen: 3.207 ng
RT: 10.052 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 139 Resp: 21875
Ion Ratio Lower Upper
139 100
109 27.1 28.4 42.6#
65 55.8 43.8 65.8

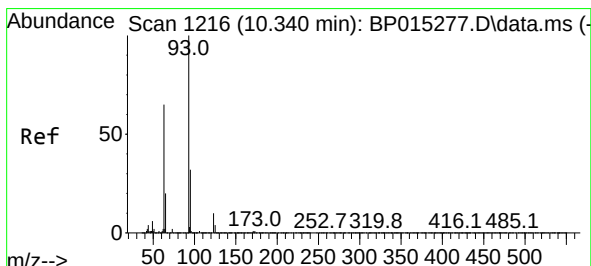
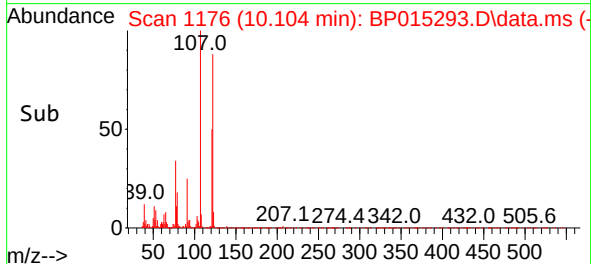
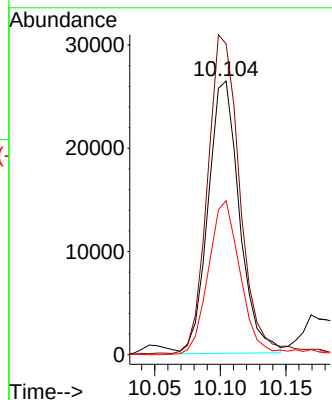
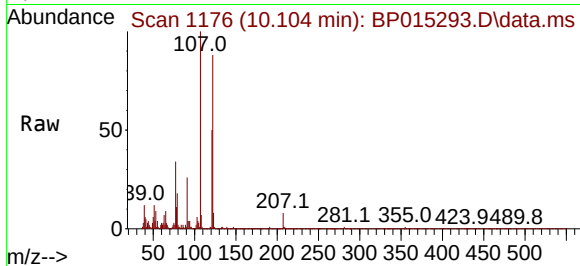




#27
2,4-Dimethylphenol
Concen: 3.833 ng
RT: 10.104 min Scan# 1175
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

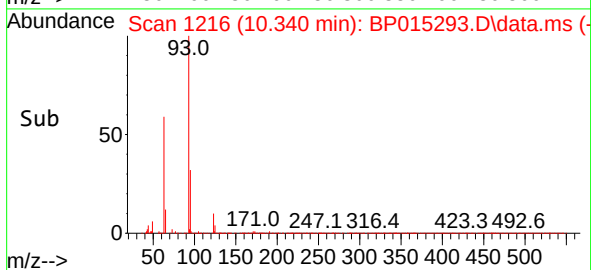
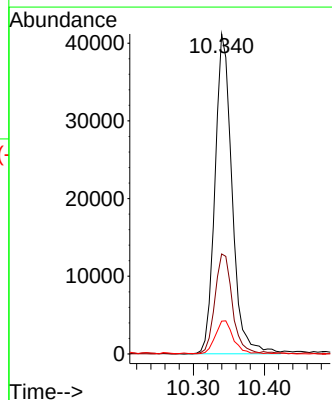
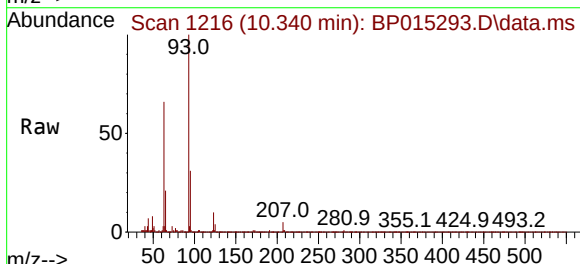
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

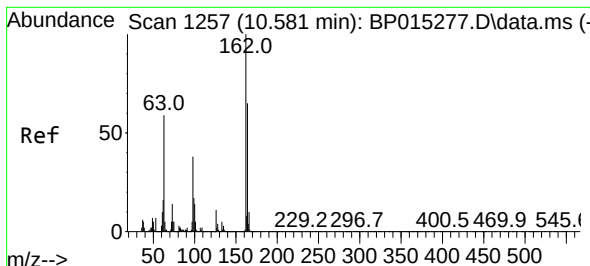
Tgt Ion:122 Resp: 43831
Ion Ratio Lower Upper
122 100
107 113.6 95.9 143.9
121 56.3 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 3.978 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 93 Resp: 68671
Ion Ratio Lower Upper
93 100
95 31.2 26.0 39.0
123 10.3 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 3.479 ng

RT: 10.593 min Scan# 1259

Delta R.T. 0.012 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

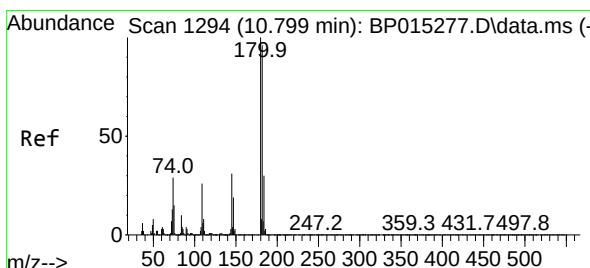
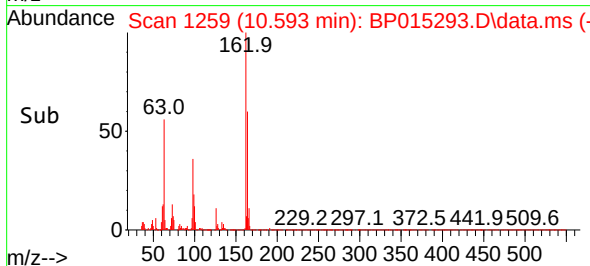
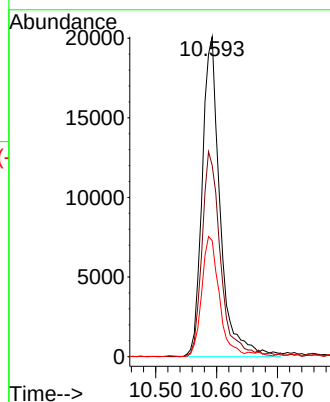
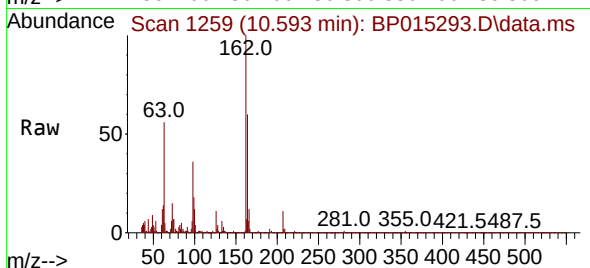
Tgt Ion:162 Resp: 41255

Ion Ratio Lower Upper

162 100

164 59.8 45.4 85.4

98 36.3 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 3.904 ng

RT: 10.804 min Scan# 1295

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

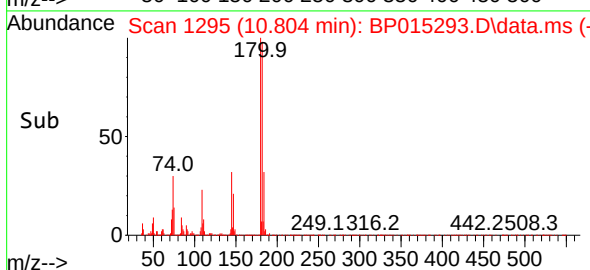
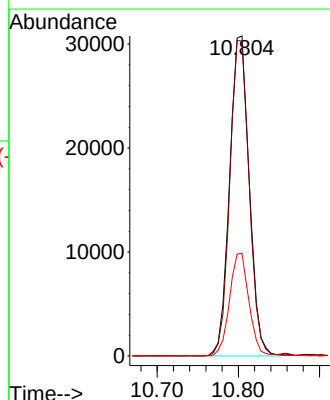
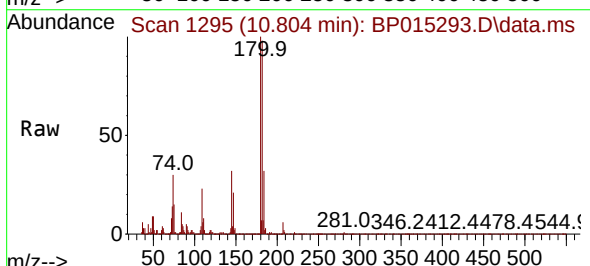
Tgt Ion:180 Resp: 51632

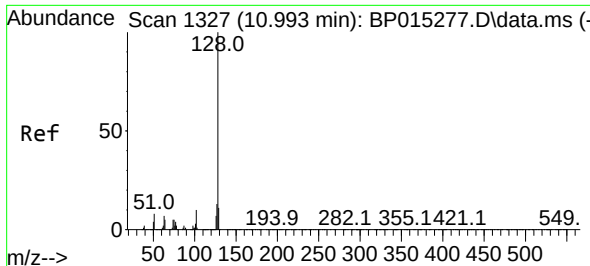
Ion Ratio Lower Upper

180 100

182 98.4 76.6 115.0

145 32.1 24.9 37.3

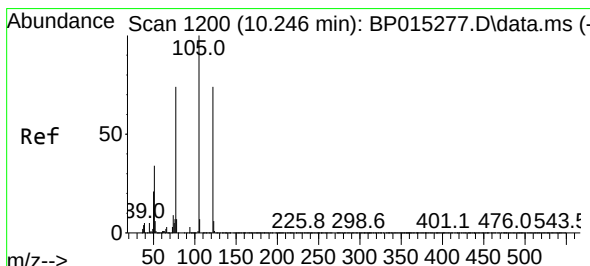
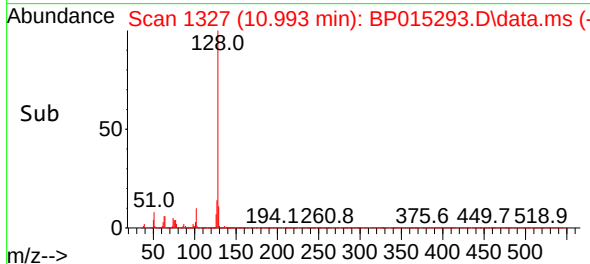
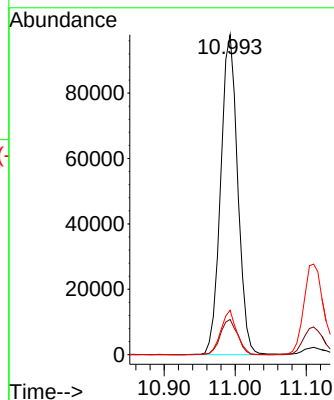
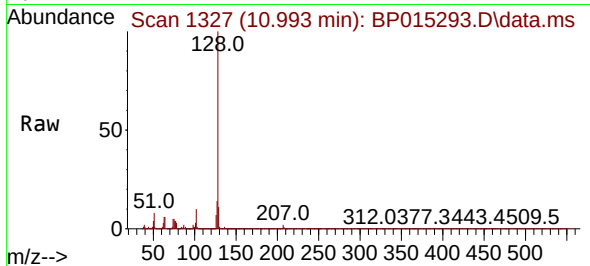




#31
Naphthalene
Concen: 4.039 ng
RT: 10.993 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

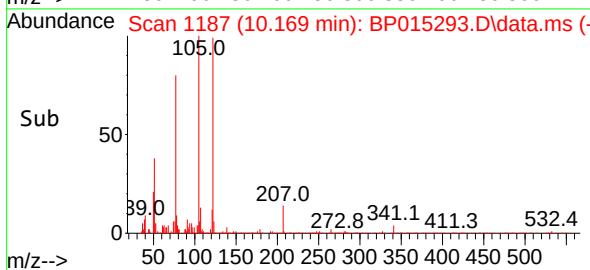
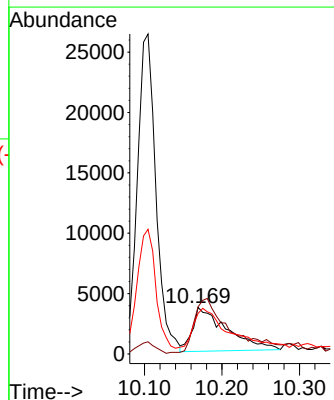
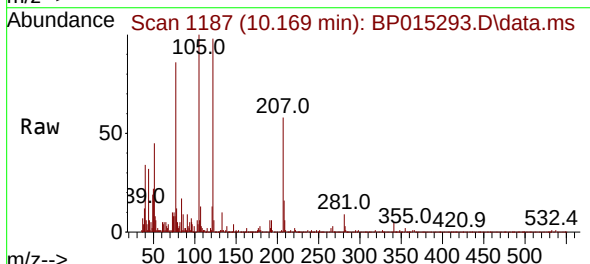
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

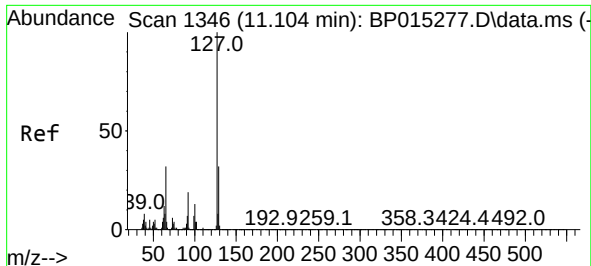
Tgt Ion:128 Resp: 162071
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.9 10.4 15.6



#32
Benzoic acid
Concen: 7.417 ng
RT: 10.169 min Scan# 1187
Delta R.T. -0.077 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:122 Resp: 11208
Ion Ratio Lower Upper
122 100
105 101.6 109.5 149.5#
77 87.3 78.2 118.2

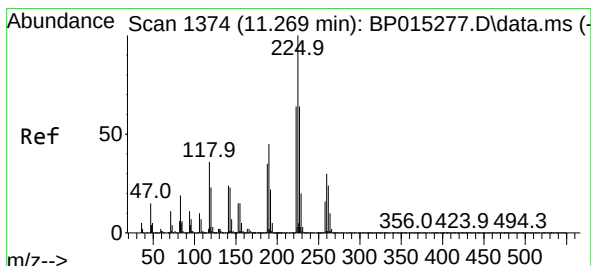
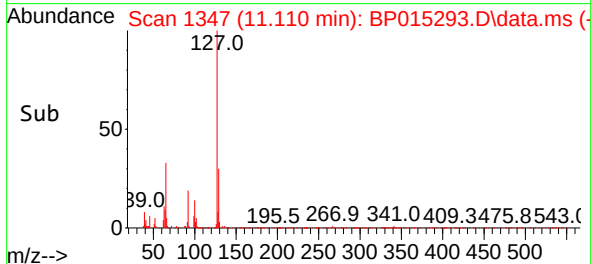
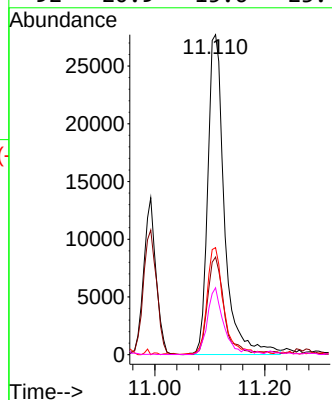
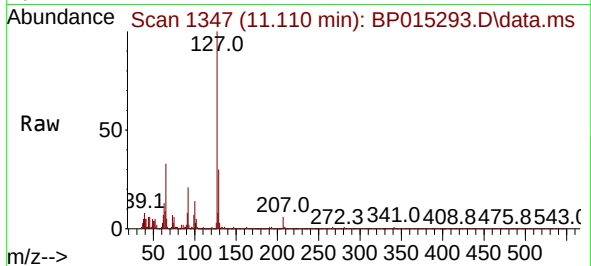




#33
4-Chloroaniline
Concen: 3.528 ng
RT: 11.110 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

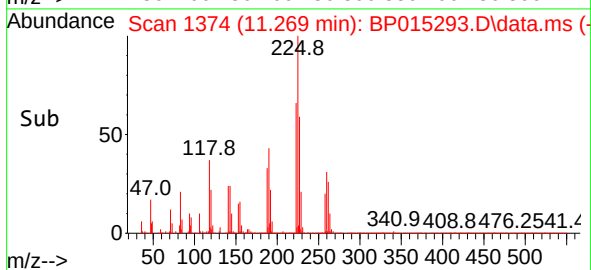
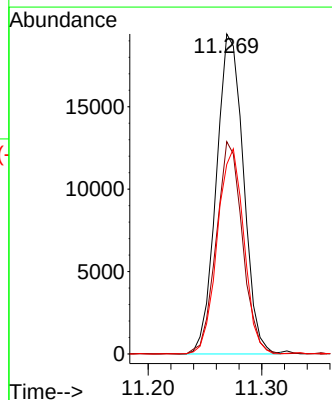
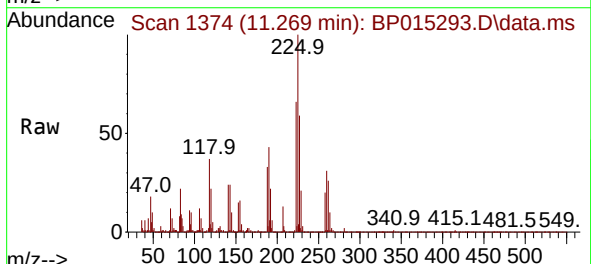
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

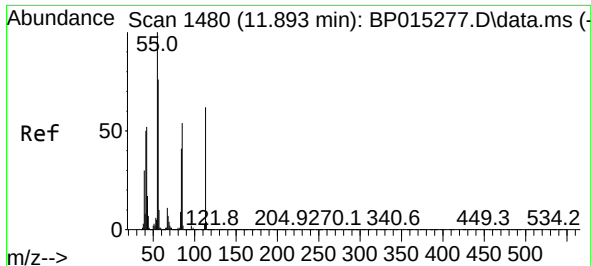
Tgt Ion:	127	Resp:	58531
Ion	Ratio	Lower	Upper
127	100		
129	30.5	25.5	38.3
65	33.4	25.3	37.9
92	20.9	15.6	23.4



#34
Hexachlorobutadiene
Concen: 3.844 ng
RT: 11.269 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:	225	Resp:	32213
Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.4
227	56.8	51.4	77.2

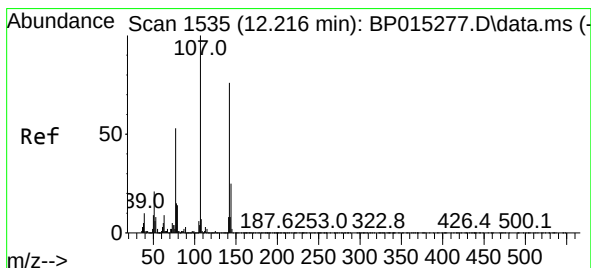
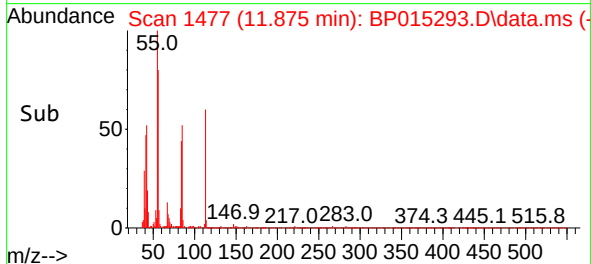
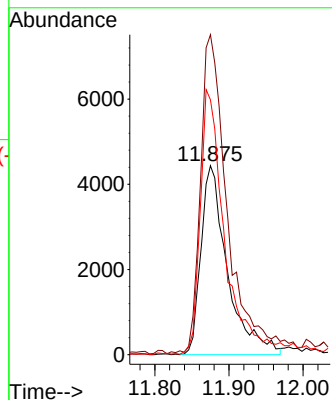
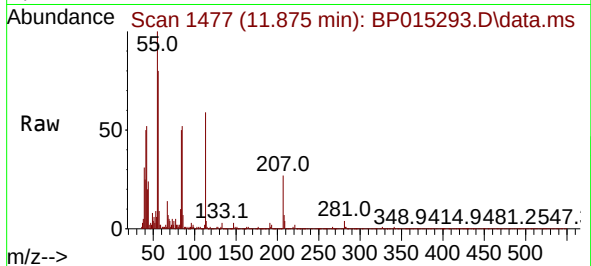




#35
Caprolactam
Concen: 3.029 ng
RT: 11.875 min Scan# 1480
Delta R.T. -0.018 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

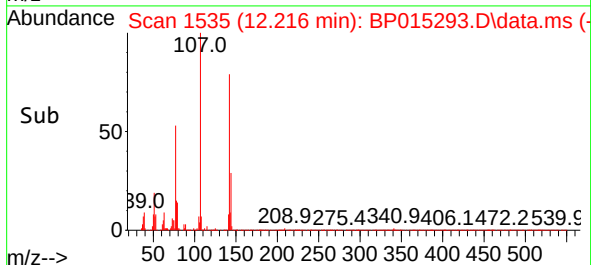
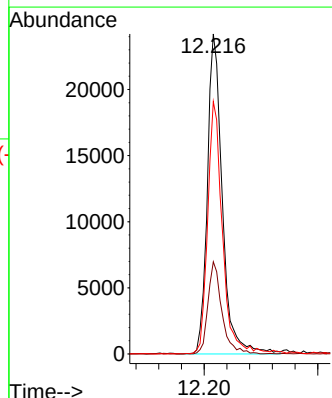
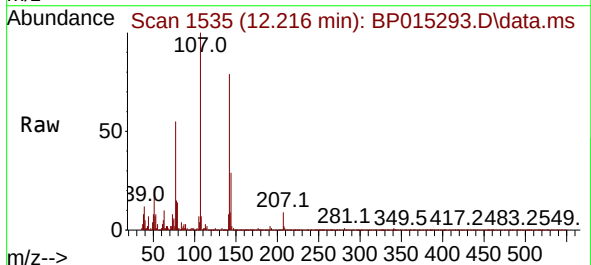
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

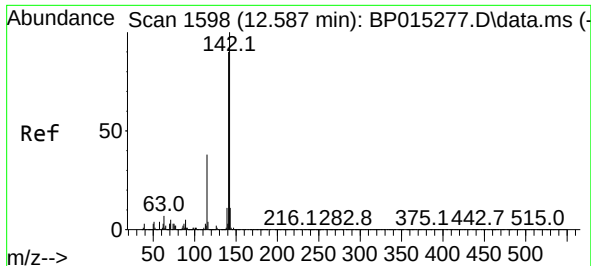
Tgt Ion:113 Resp: 11026
Ion Ratio Lower Upper
113 100
55 169.3 141.4 181.4
56 134.9 102.5 142.5



#36
4-Chloro-3-methylphenol
Concen: 3.425 ng
RT: 12.216 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:107 Resp: 44149
Ion Ratio Lower Upper
107 100
144 28.8 19.8 29.6
142 78.9 61.0 91.4

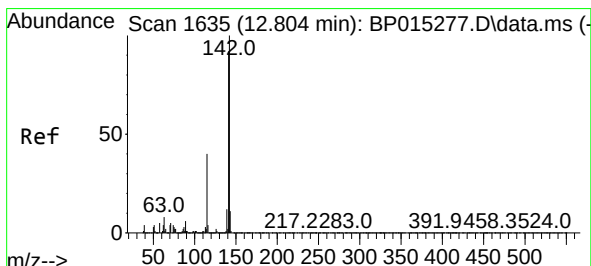
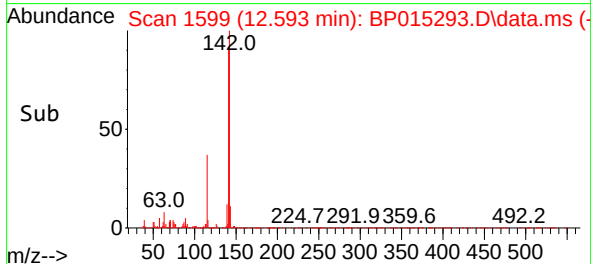
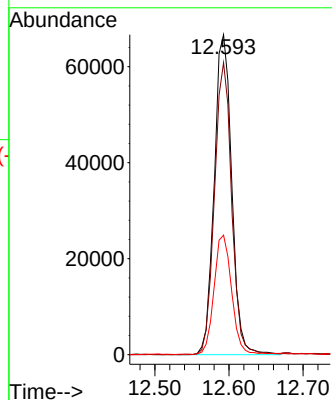
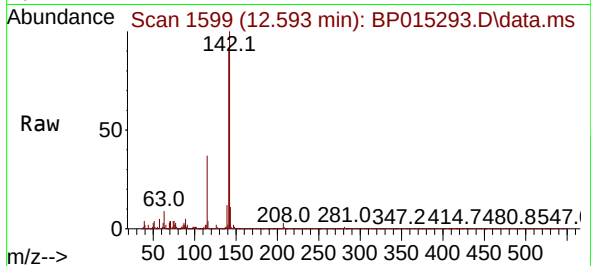




#37
2-Methylnaphthalene
Concen: 3.838 ng
RT: 12.593 min Scan# 1599
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

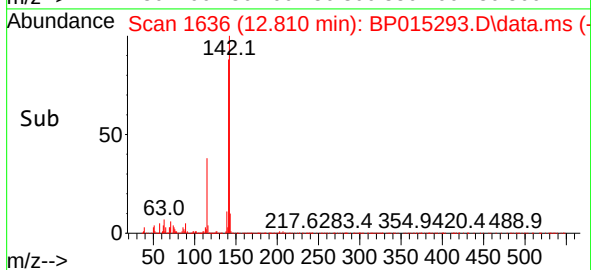
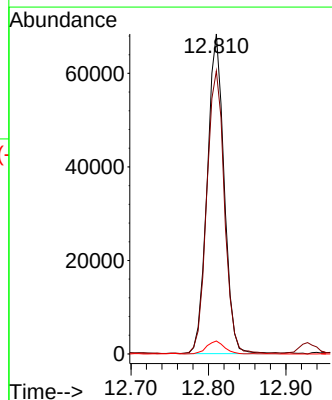
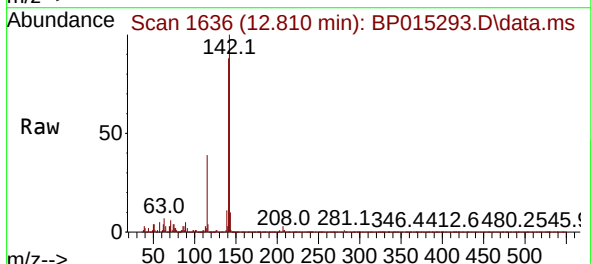
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

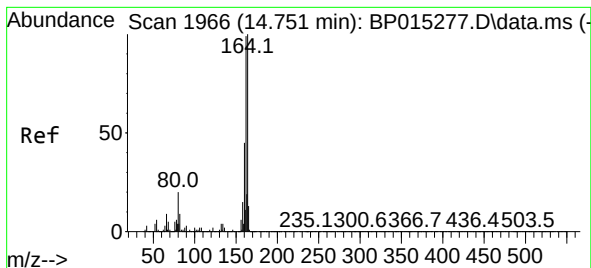
Tgt Ion:142 Resp: 109463
Ion Ratio Lower Upper
142 100
141 91.3 72.0 108.0
115 37.4 30.6 46.0



#38
1-Methylnaphthalene
Concen: 3.893 ng
RT: 12.810 min Scan# 1636
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:142 Resp: 103607
Ion Ratio Lower Upper
142 100
141 88.5 73.8 110.6
116 4.0 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.757 min Scan# 1966

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

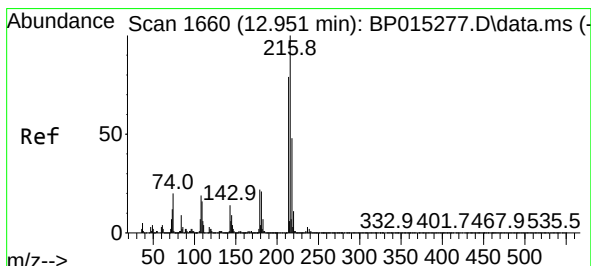
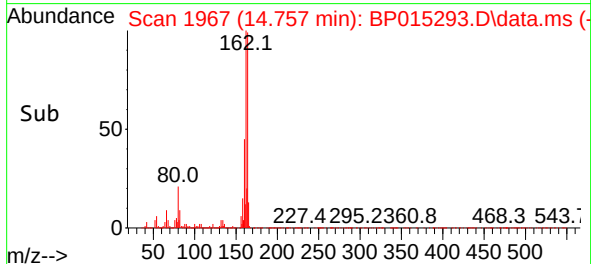
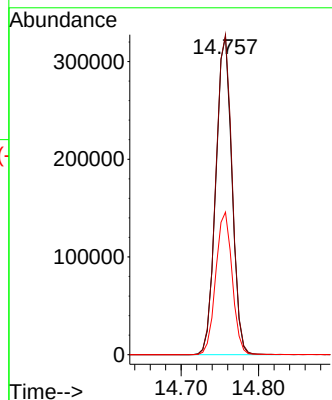
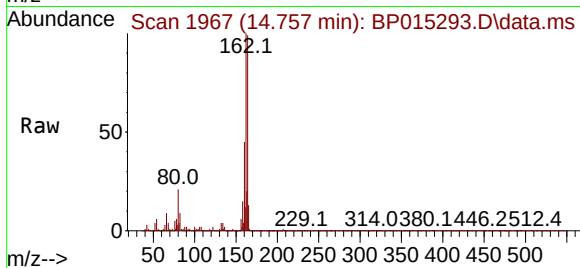
Tgt Ion:164 Resp: 468861

Ion Ratio Lower Upper

164 100

162 100.6 79.4 119.2

160 44.8 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.918 ng

RT: 12.957 min Scan# 1661

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:216 Resp: 60270

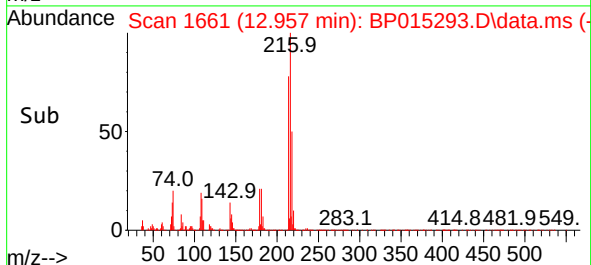
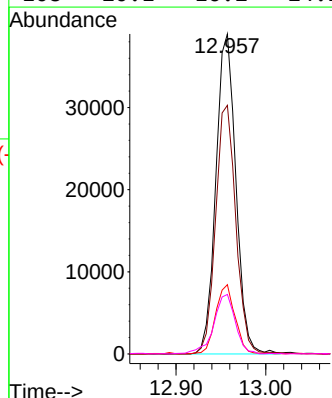
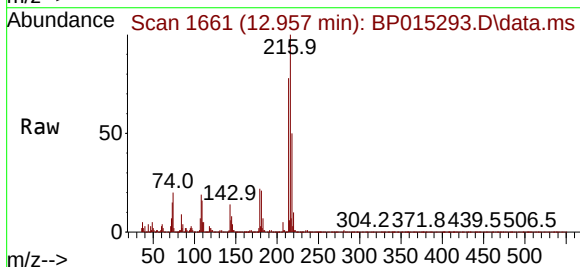
Ion Ratio Lower Upper

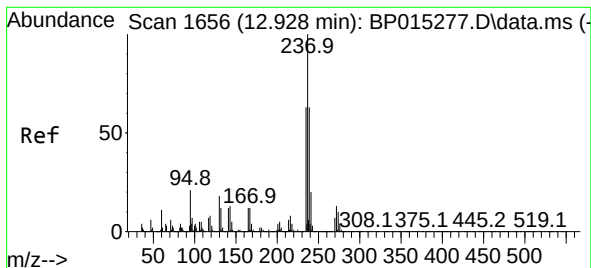
216 100

214 78.8 63.0 94.4

179 21.1 17.3 25.9

108 20.1 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 3.361 ng

RT: 12.928 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

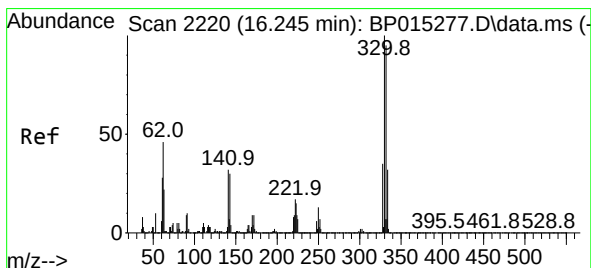
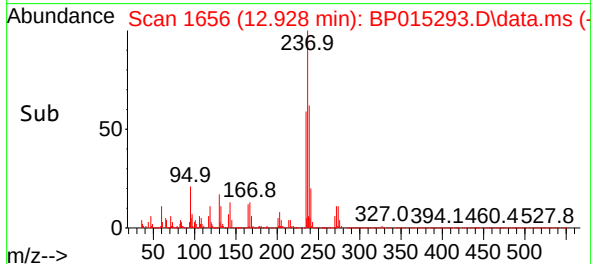
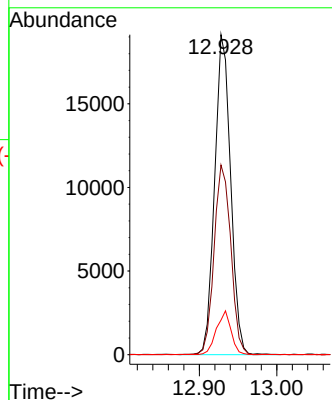
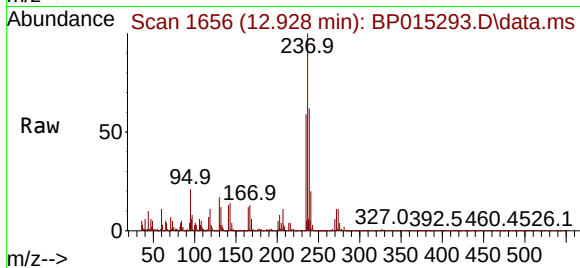
Tgt Ion:237 Resp: 27391

Ion Ratio Lower Upper

237 100

235 59.2 43.2 83.2

272 10.8 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 106.795 ng

RT: 16.245 min Scan# 2220

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

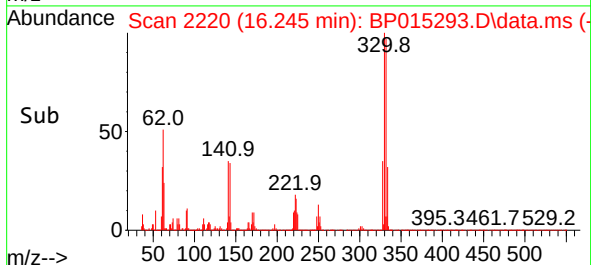
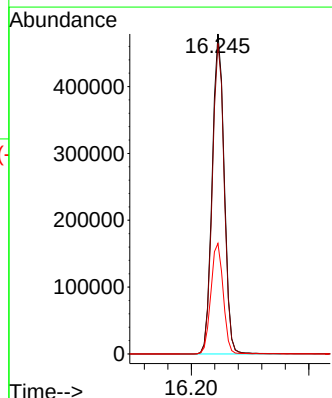
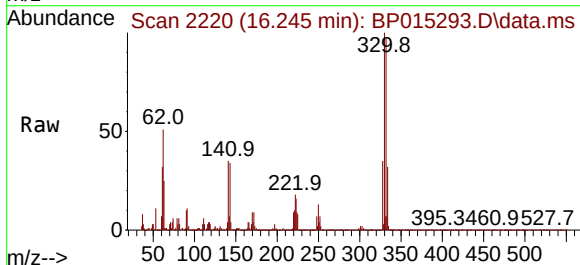
Tgt Ion:330 Resp: 680443

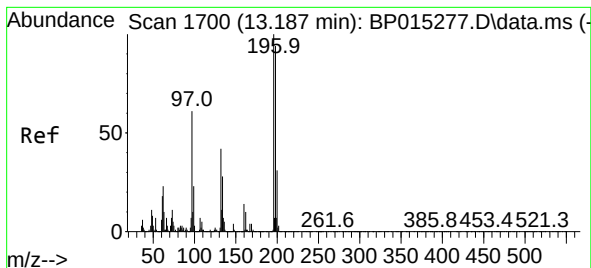
Ion Ratio Lower Upper

330 100

332 96.3 76.3 114.5

141 35.3 27.8 41.8





#43

2,4,6-Trichlorophenol

Concen: 3.390 ng

RT: 13.193 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

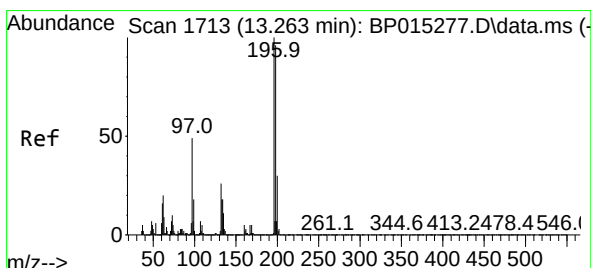
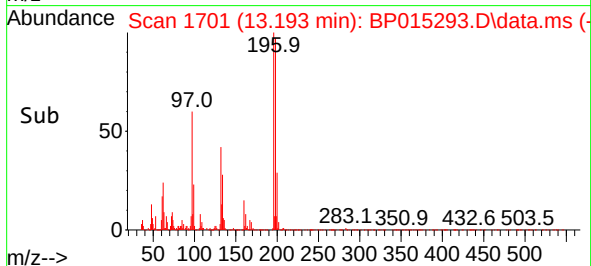
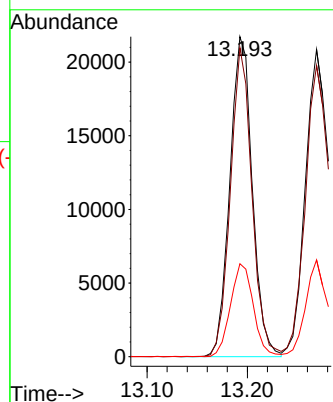
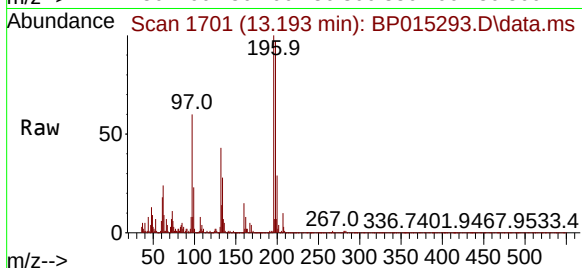
Tgt Ion:196 Resp: 33850

Ion Ratio Lower Upper

196 100

198 96.6 75.0 112.4

200 29.1 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 3.104 ng

RT: 13.269 min Scan# 1714

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:196 Resp: 36436

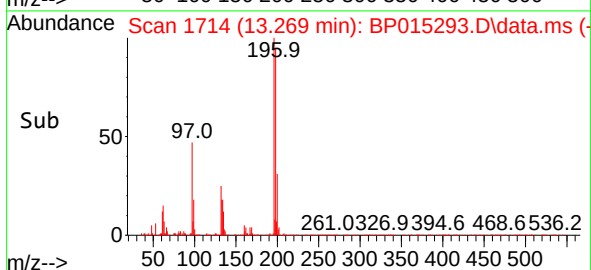
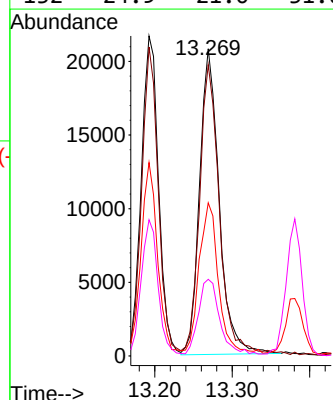
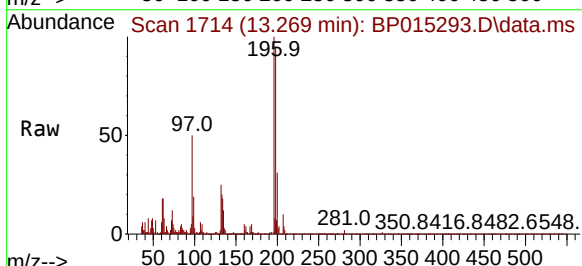
Ion Ratio Lower Upper

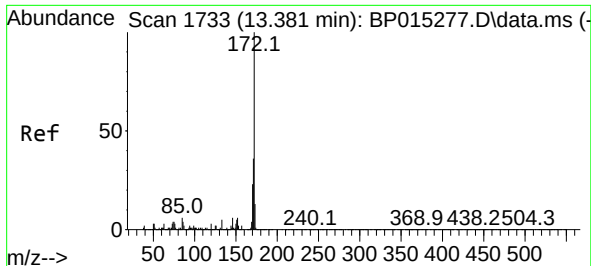
196 100

198 94.8 76.8 115.2

97 49.8 39.3 58.9

132 24.9 21.0 31.6

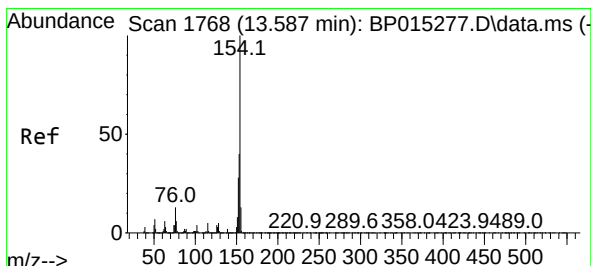
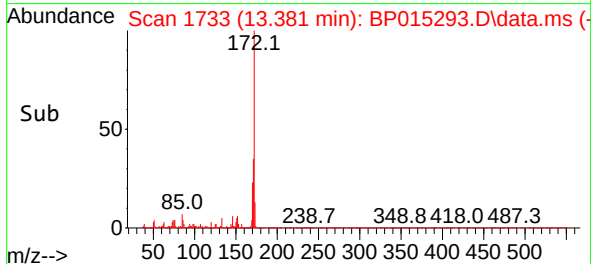
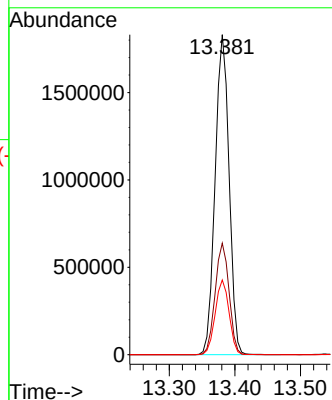
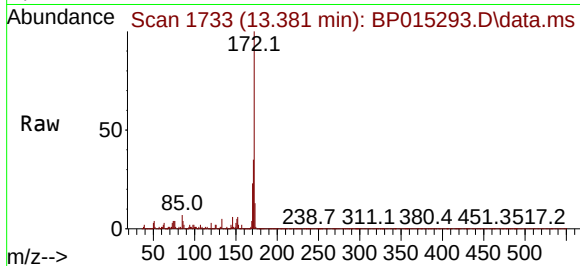




#45
2-Fluorobiphenyl
Concen: 77.177 ng
RT: 13.381 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

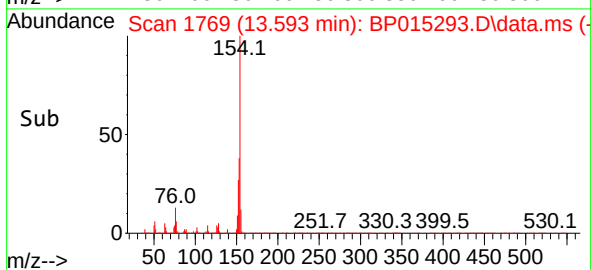
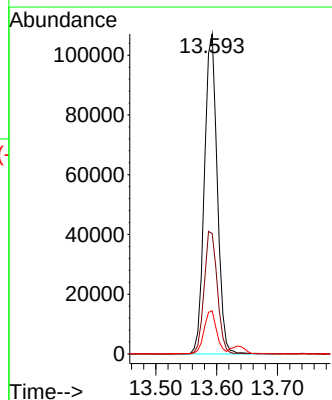
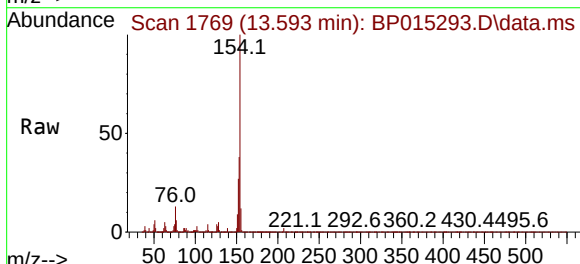
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

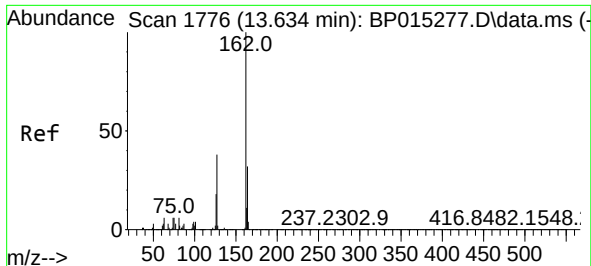
Tgt Ion:172 Resp: 2695243
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.3 18.7 28.1



#46
1,1'-Biphenyl
Concen: 4.211 ng
RT: 13.593 min Scan# 1769
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:154 Resp: 156433
Ion Ratio Lower Upper
154 100
153 37.6 20.3 60.3
76 13.5 0.0 33.1

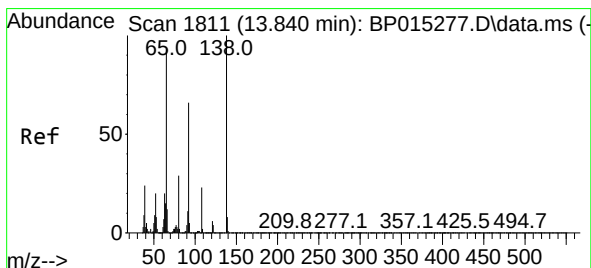
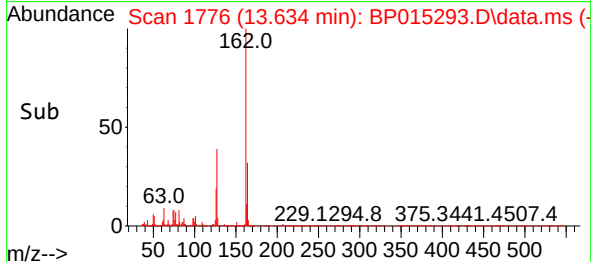
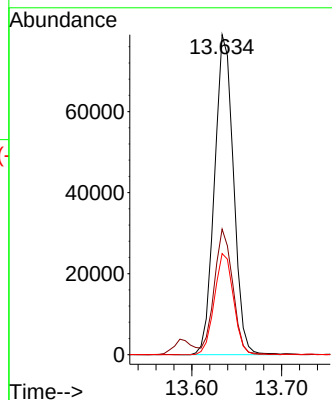
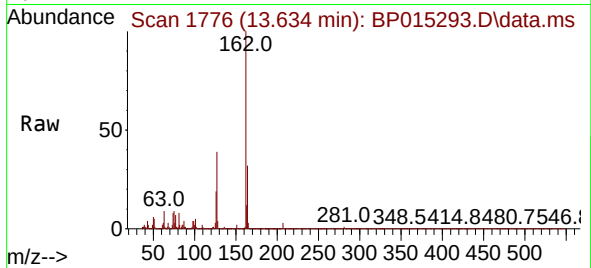




#47
2-Chloronaphthalene
Concen: 4.144 ng
RT: 13.634 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

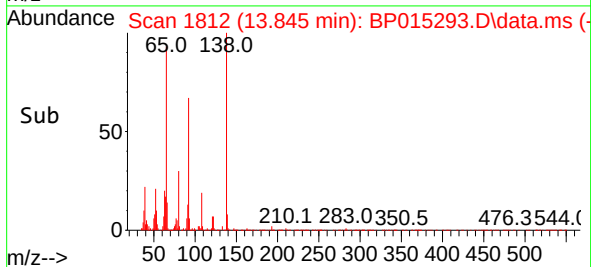
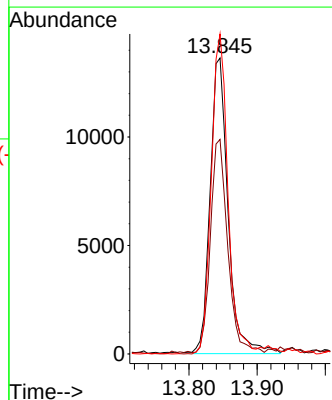
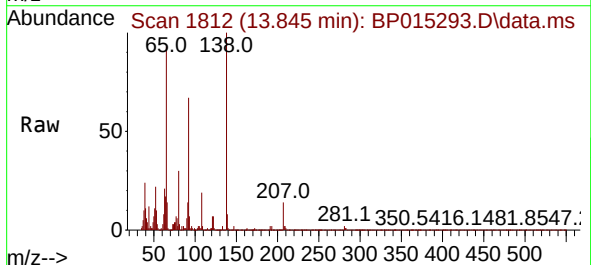
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

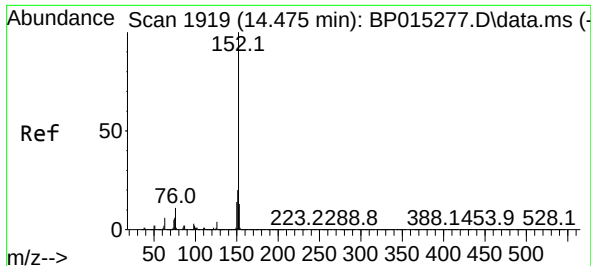
Tgt Ion:162 Resp: 116142
Ion Ratio Lower Upper
162 100
127 39.2 31.7 47.5
164 31.6 25.8 38.8



#48
2-Nitroaniline
Concen: 2.926 ng
RT: 13.845 min Scan# 1812
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 65 Resp: 25046
Ion Ratio Lower Upper
65 100
92 72.5 56.5 84.7
138 108.1 85.7 128.5

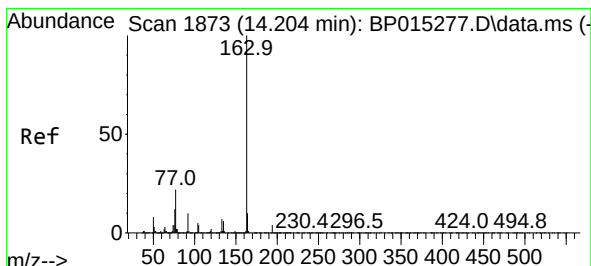
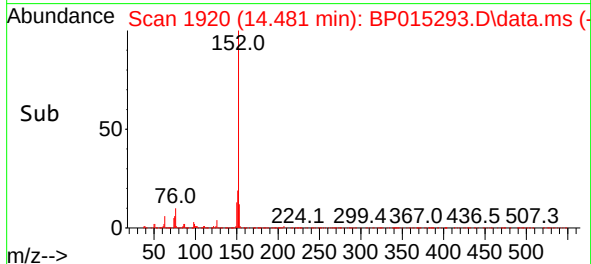
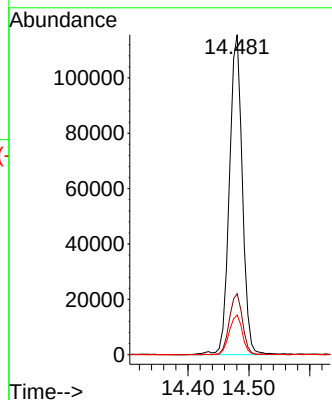
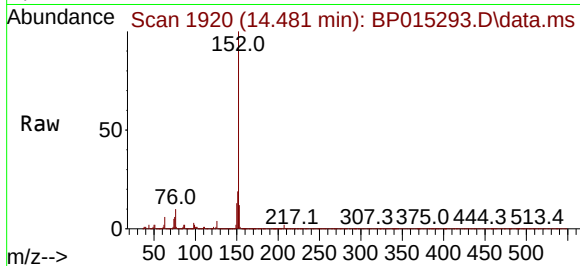




#49
Acenaphthylene
Concen: 3.793 ng
RT: 14.481 min Scan# 1919
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

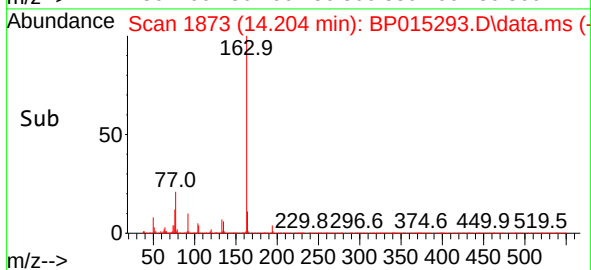
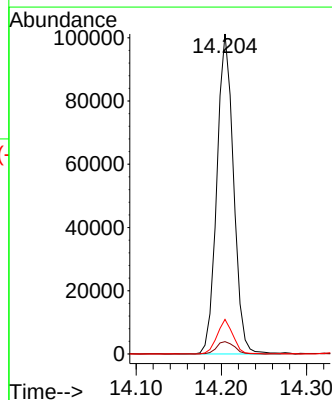
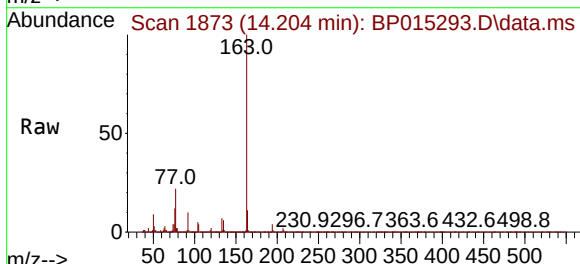
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

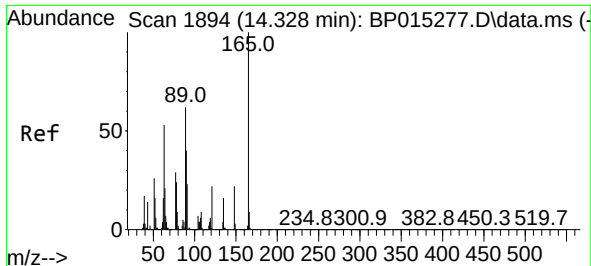
Tgt Ion:152 Resp: 170102
Ion Ratio Lower Upper
152 100
151 19.0 16.0 24.0
153 12.4 10.6 16.0



#50
Dimethylphthalate
Concen: 3.748 ng
RT: 14.204 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:163 Resp: 137483
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.8 8.2 12.4

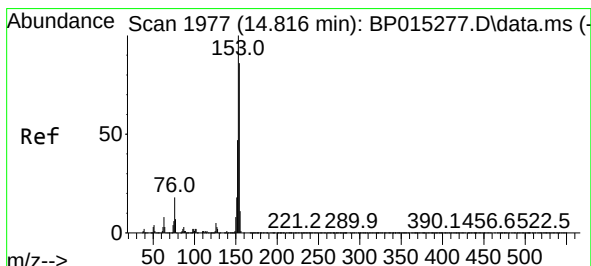
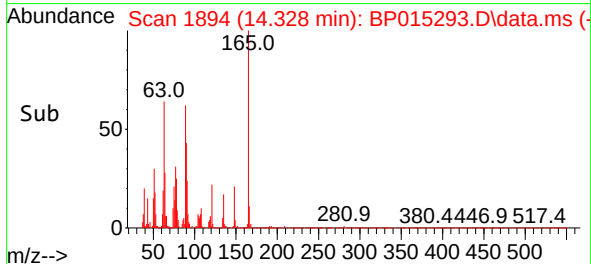
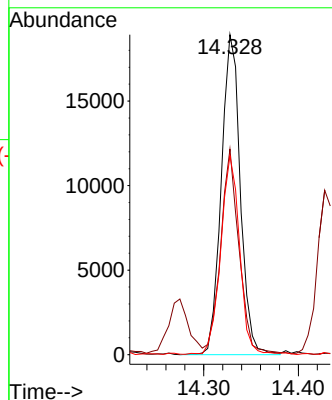
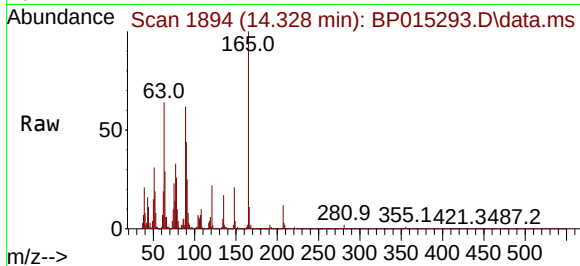




#51
2,6-Dinitrotoluene
Concen: 3.410 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

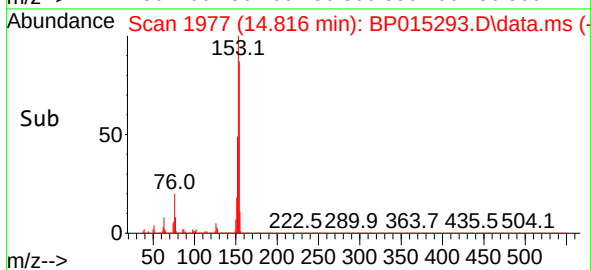
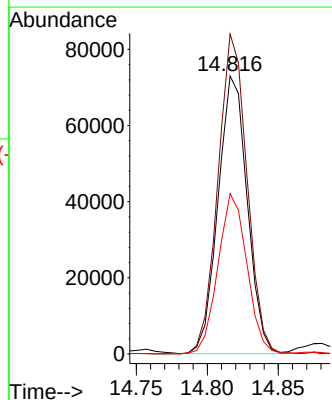
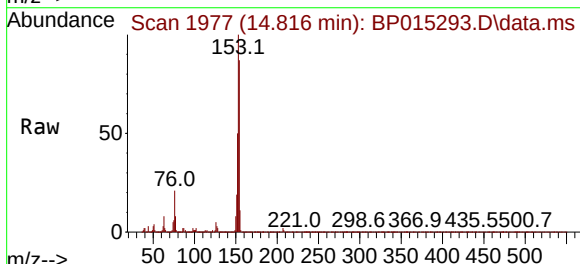
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

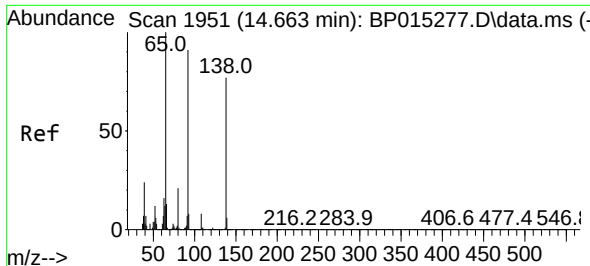
Tgt Ion:165 Resp: 26407
Ion Ratio Lower Upper
165 100
63 64.3 46.6 70.0
89 62.2 49.7 74.5



#52
Acenaphthene
Concen: 3.897 ng
RT: 14.816 min Scan# 1977
Delta R.T. -0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:154 Resp: 104076
Ion Ratio Lower Upper
154 100
153 115.2 92.8 139.2
152 57.7 44.0 66.0

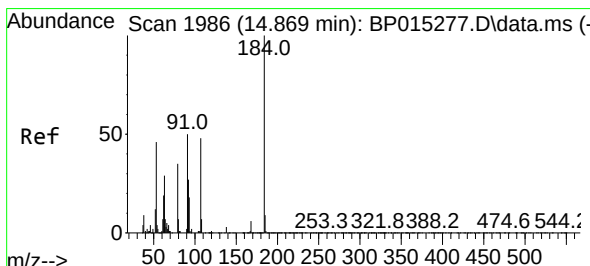
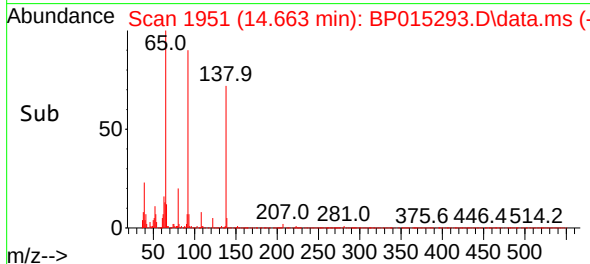
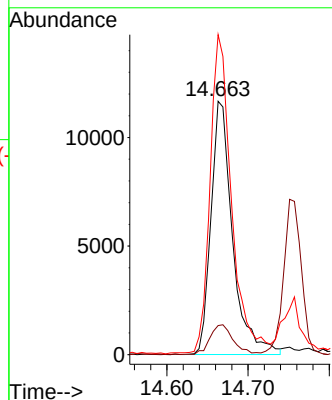
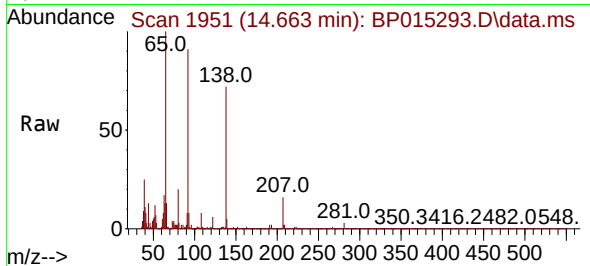




#53
3-Nitroaniline
Concen: 2.729 ng
RT: 14.663 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

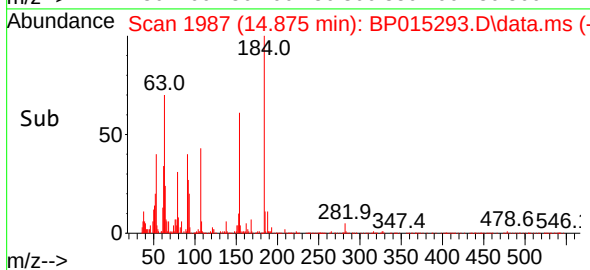
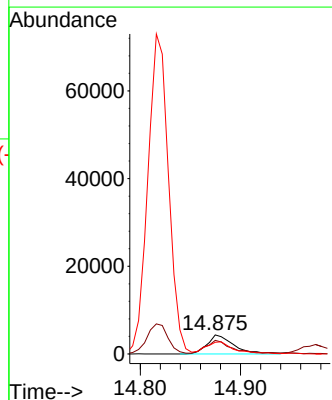
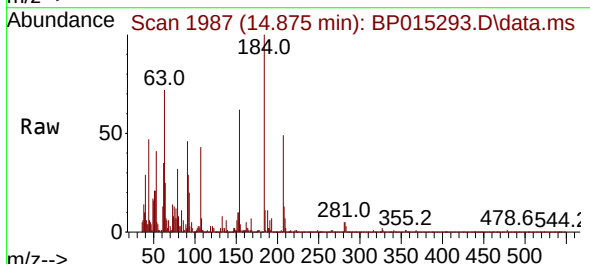
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

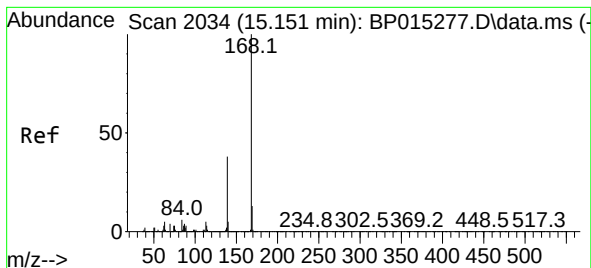
Tgt Ion:138 Resp: 21601
Ion Ratio Lower Upper
138 100
108 11.5 8.6 13.0
92 126.3 94.0 141.0



#54
2,4-Dinitrophenol
Concen: 6.611 ng
RT: 14.875 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:184 Resp: 7933
Ion Ratio Lower Upper
184 100
63 71.6 56.2 84.4
154 61.6 53.2 79.8

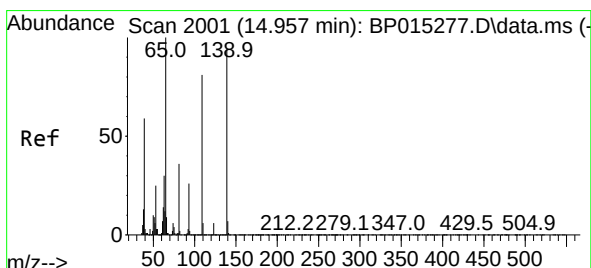
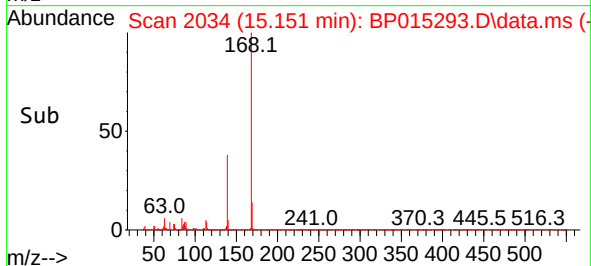
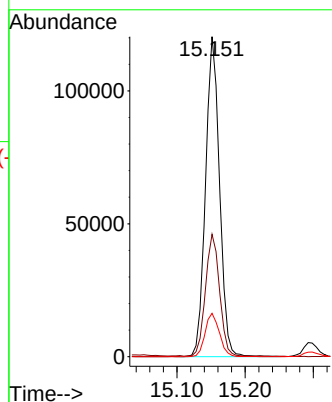
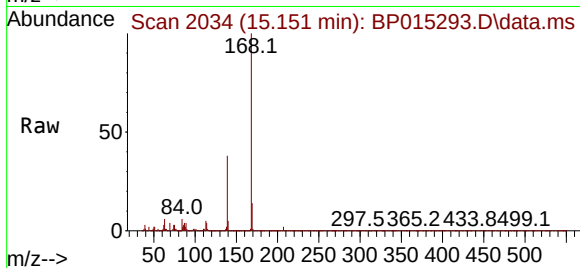




#55
Dibenzenofuran
Concen: 3.939 ng
RT: 15.151 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

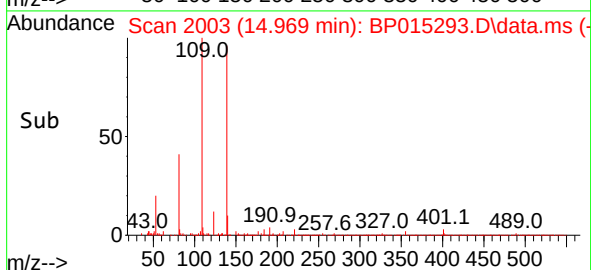
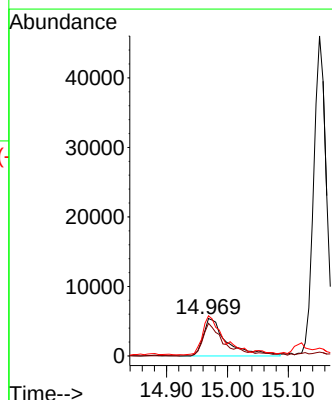
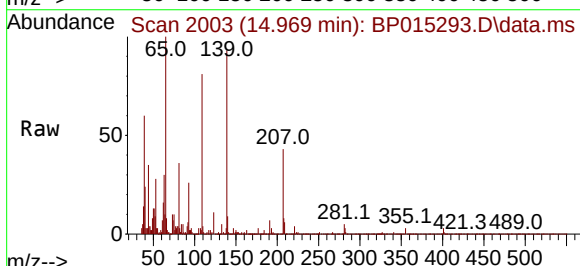
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

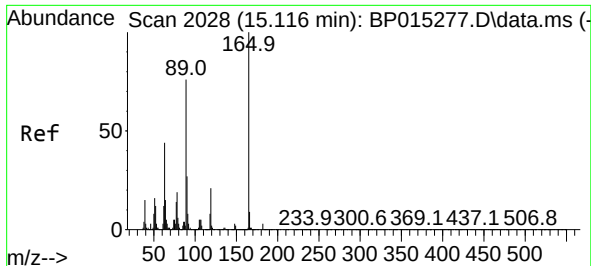
Tgt Ion:168 Resp: 172069
Ion Ratio Lower Upper
168 100
139 38.2 30.1 45.1
169 13.6 10.6 15.8



#56
4-Nitrophenol
Concen: 5.426 ng
RT: 14.969 min Scan# 2003
Delta R.T. 0.012 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:139 Resp: 14509
Ion Ratio Lower Upper
139 100
109 87.5 66.5 106.5
65 107.5 86.6 126.6

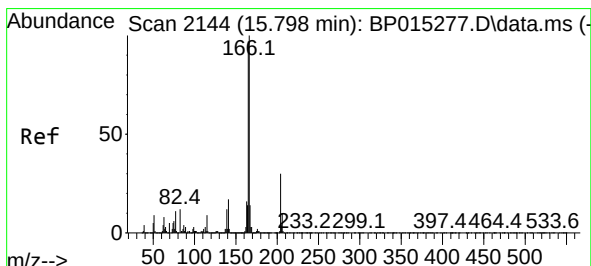
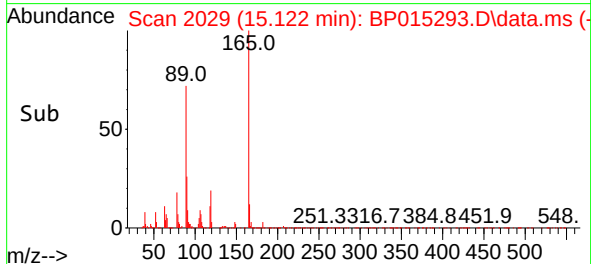
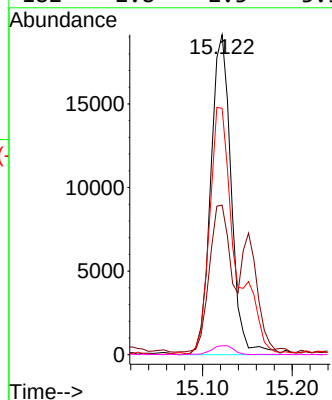
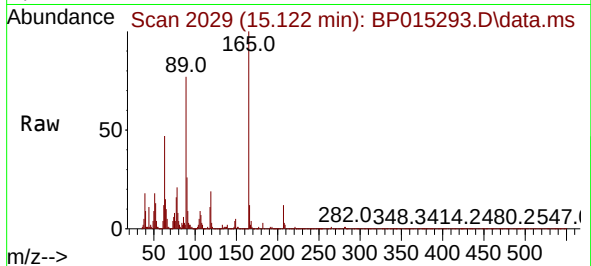




#57
2,4-Dinitrotoluene
Concen: 2.965 ng
RT: 15.122 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

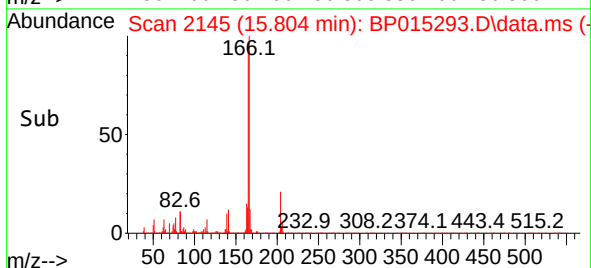
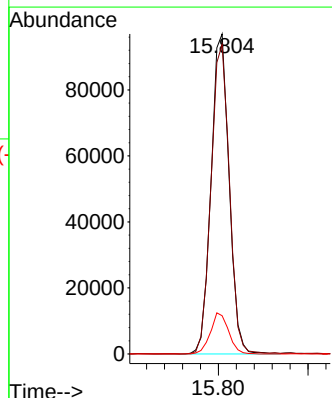
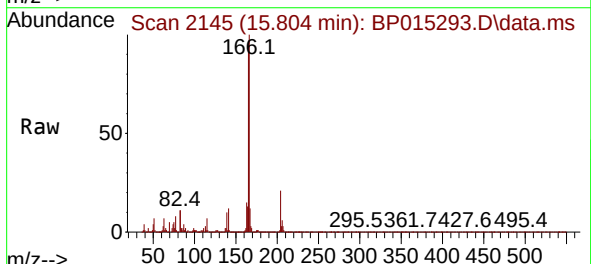
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

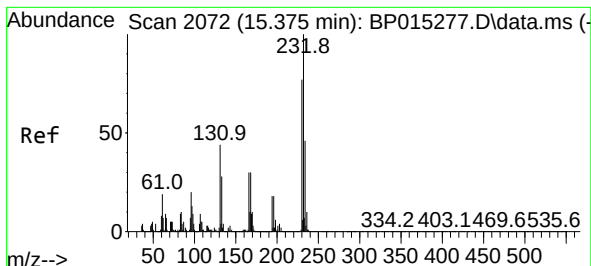
Tgt Ion:165 Resp: 30191
Ion Ratio Lower Upper
165 100
63 46.8 35.7 53.5
89 77.0 60.8 91.2
182 2.8 2.3 3.5



#58
Fluorene
Concen: 4.008 ng
RT: 15.804 min Scan# 2145
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:166 Resp: 135258
Ion Ratio Lower Upper
166 100
165 96.7 77.5 116.3
167 12.0 10.9 16.3

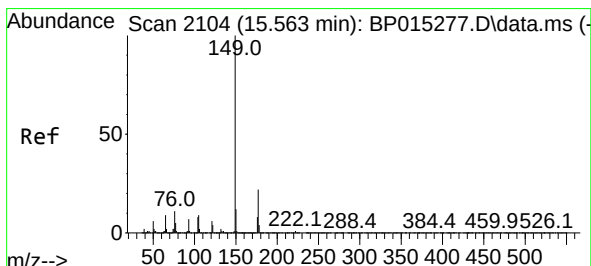
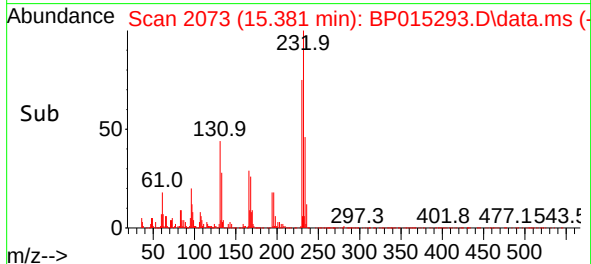
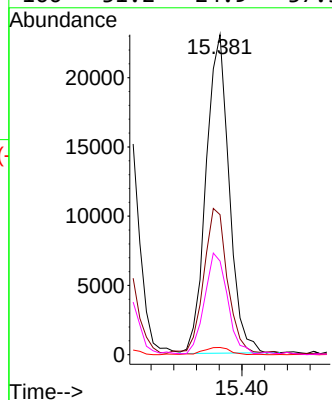
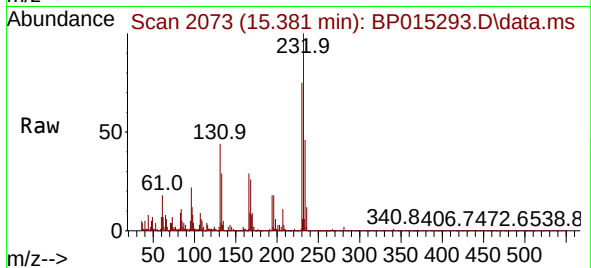




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.461 ng
RT: 15.381 min Scan# 2072
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

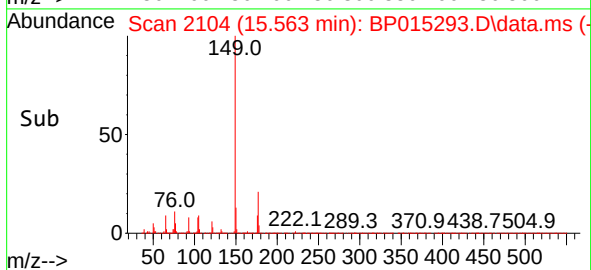
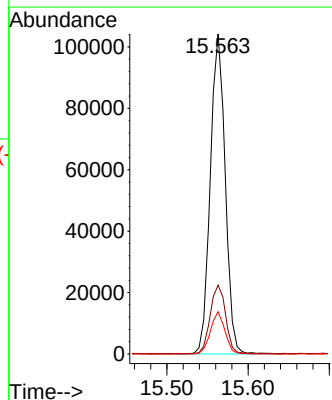
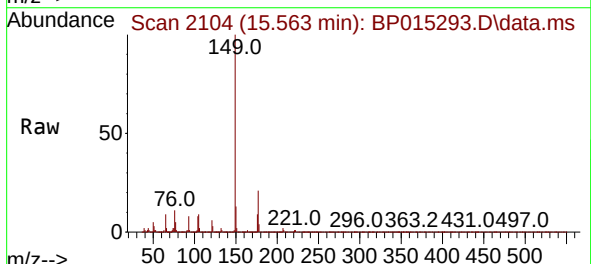
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

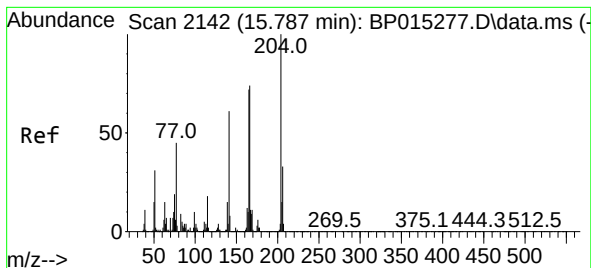
Tgt Ion:	232	Resp:	32499
Ion Ratio	Lower	Upper	
232	100		
131	47.5	36.2	54.2
130	2.8	2.0	3.0
166	31.2	24.9	37.3



#60
Diethylphthalate
Concen: 3.629 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:	149	Resp:	132615
Ion Ratio	Lower	Upper	
149	100		
177	21.5	17.7	26.5
150	13.2	10.0	15.0

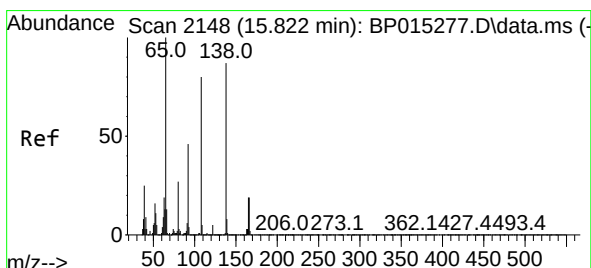
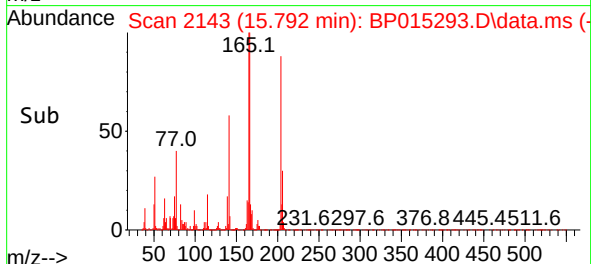
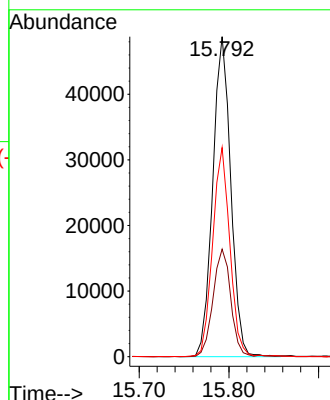
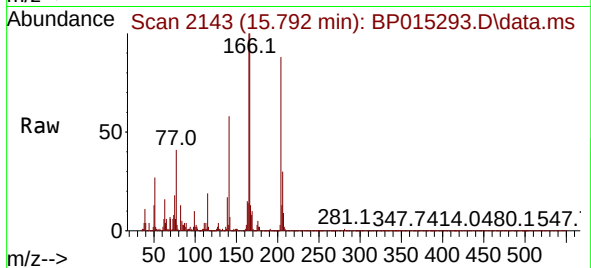




#61
4-Chlorophenyl-phenylether
Concen: 3.935 ng
RT: 15.792 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

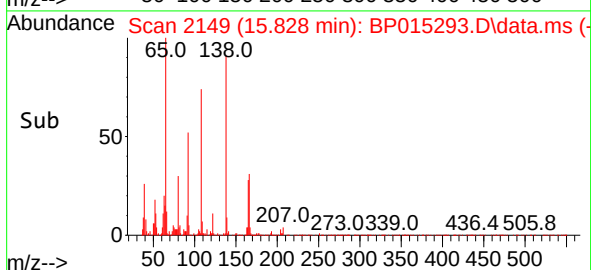
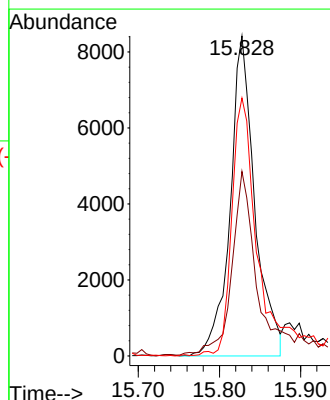
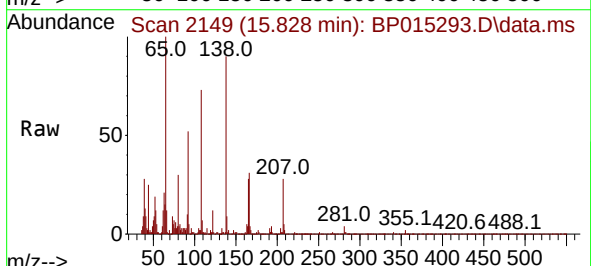
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

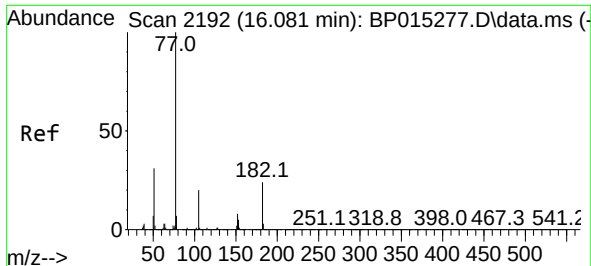
Tgt Ion:204 Resp: 67980
Ion Ratio Lower Upper
204 100
206 33.6 26.4 39.6
141 65.3 49.0 73.4



#62
4-Nitroaniline
Concen: 4.295 ng
RT: 15.828 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:138 Resp: 17791
Ion Ratio Lower Upper
138 100
92 57.6 33.1 73.1
108 80.6 71.0 111.0

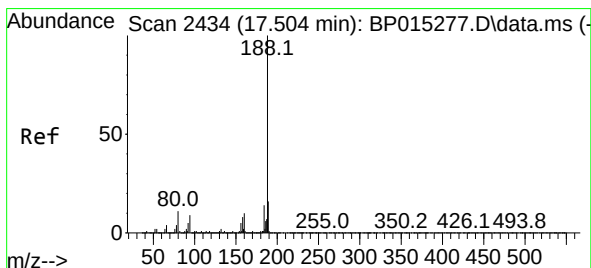
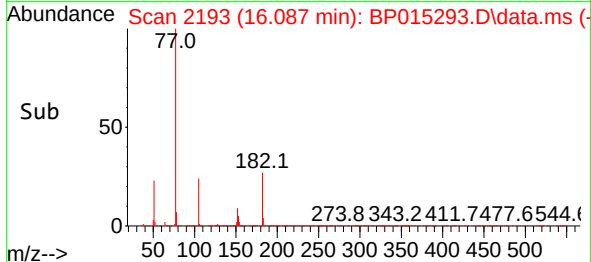
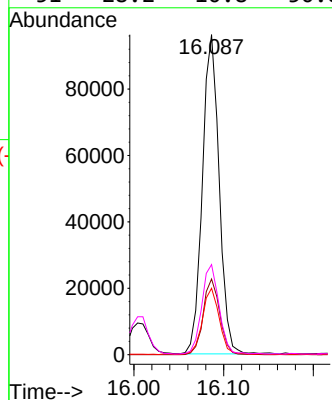
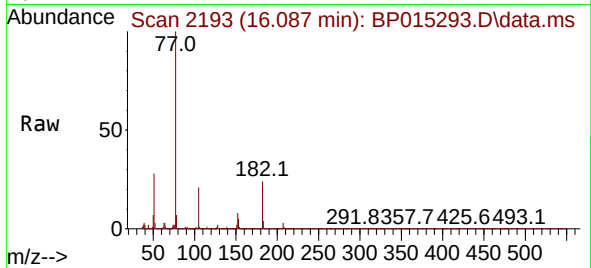




#63
Azobenzene
Concen: 3.573 ng
RT: 16.087 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

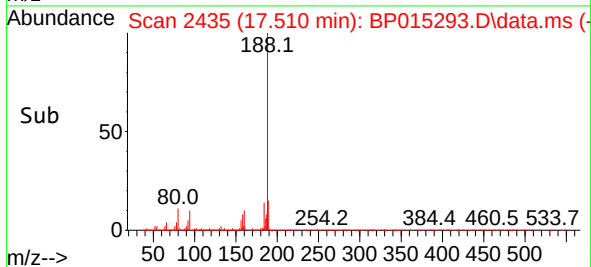
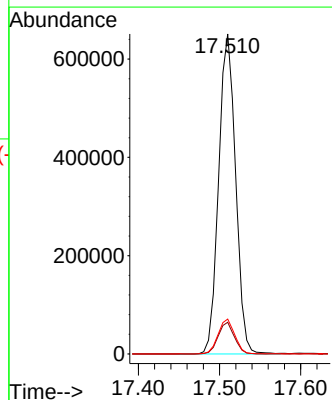
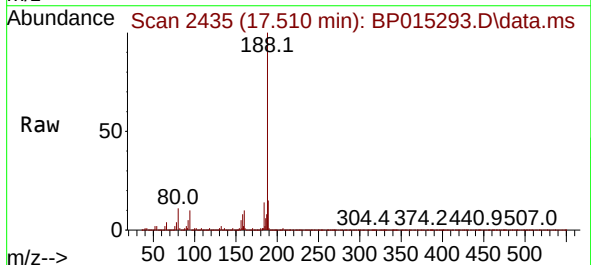
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

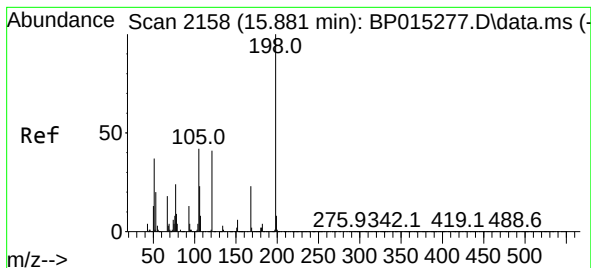
Tgt Ion: 77	Resp: 124558
Ion Ratio	Lower Upper
77 100	
182 23.7	3.9 43.9
105 20.8	0.3 40.3
51 28.2	10.8 50.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.510 min Scan# 2435
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 188	Resp: 946084
Ion Ratio	Lower Upper
188 100	
94 9.9	7.4 11.0
80 10.9	8.6 13.0

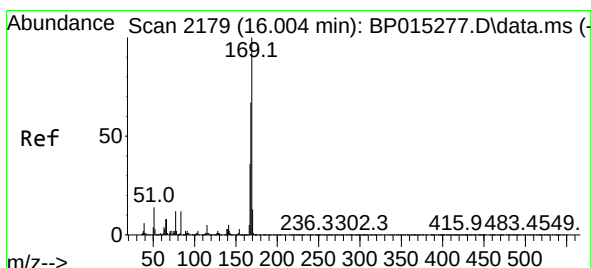
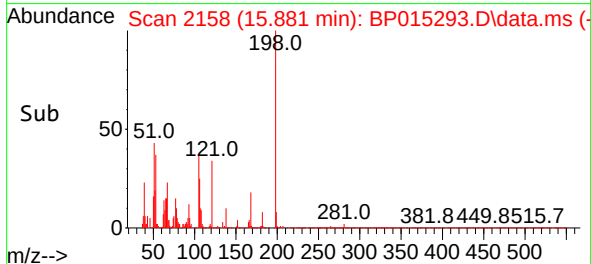
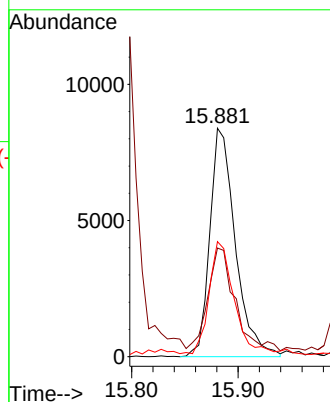
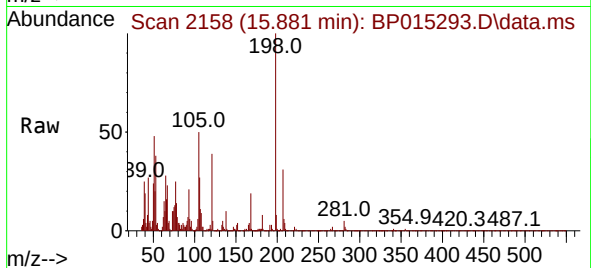




#65
4,6-Dinitro-2-methylphenol
Concen: 2.426 ng
RT: 15.881 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

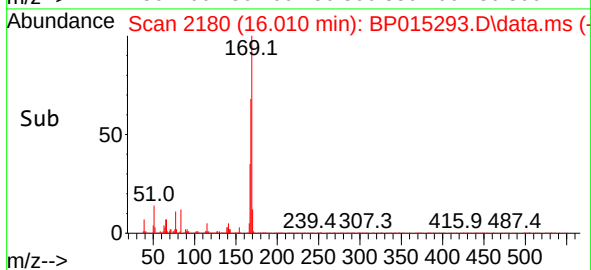
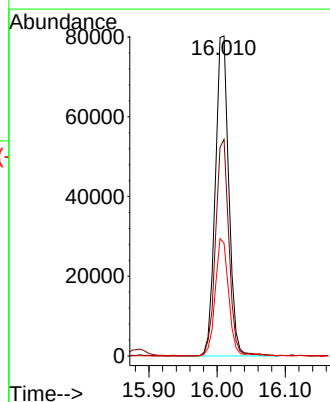
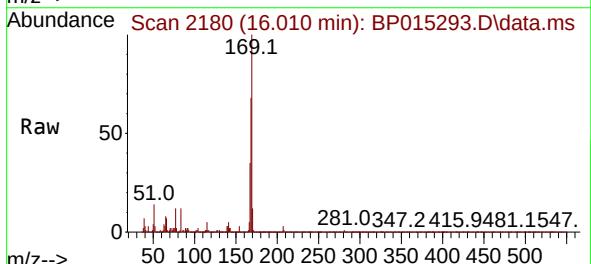
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

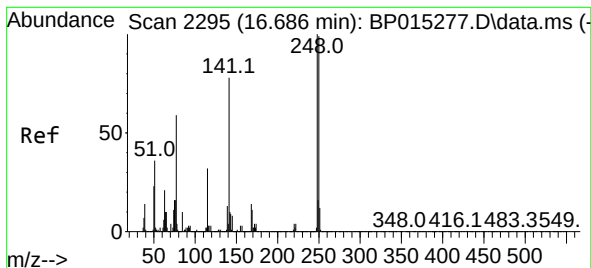
Tgt Ion:198	Resp:	13941
Ion Ratio	Lower	Upper
198	100	
51	47.6	25.4 65.4
105	50.4	23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 3.931 ng
RT: 16.010 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:169	Resp:	110809
Ion Ratio	Lower	Upper
169	100	
168	67.7	53.4 80.2
167	35.2	29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 3.770 ng

RT: 16.692 min Scan# 2295

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

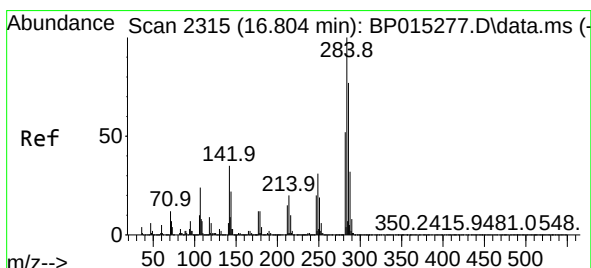
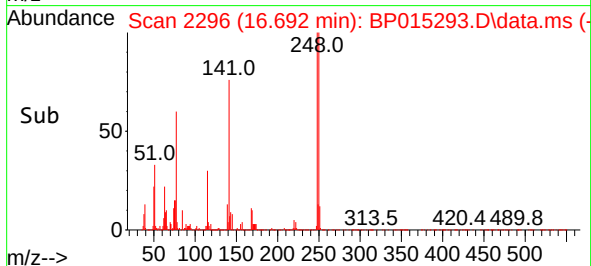
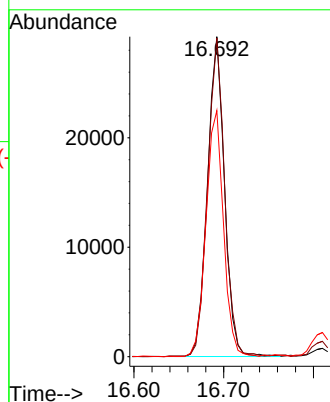
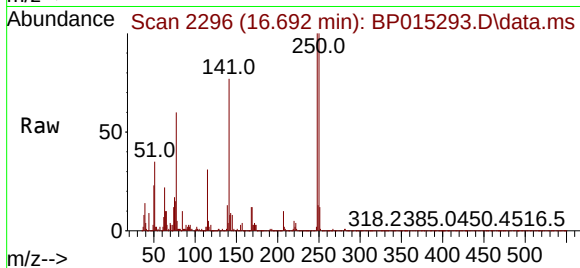
Tgt Ion:248 Resp: 38568

Ion Ratio Lower Upper

248 100

250 99.6 79.0 118.4

141 76.9 62.4 93.6



#68

Hexachlorobenzene

Concen: 4.168 ng

RT: 16.810 min Scan# 2316

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

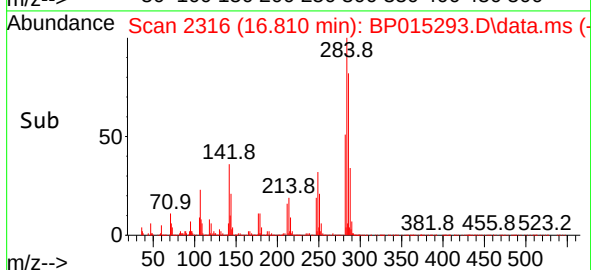
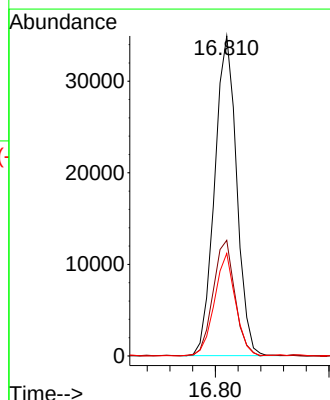
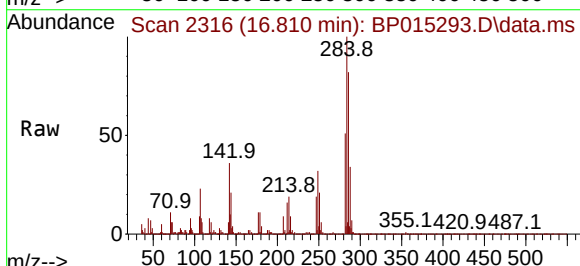
Tgt Ion:284 Resp: 46958

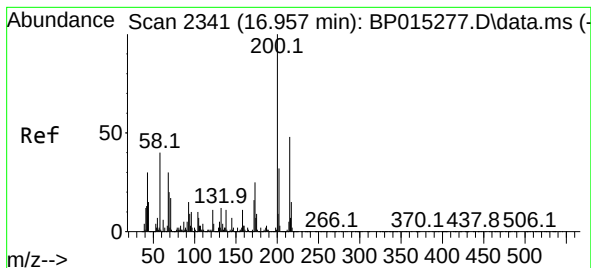
Ion Ratio Lower Upper

284 100

142 36.1 28.2 42.2

249 32.0 25.0 37.6





#69

Atrazine

Concen: 3.825 ng

RT: 16.957 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

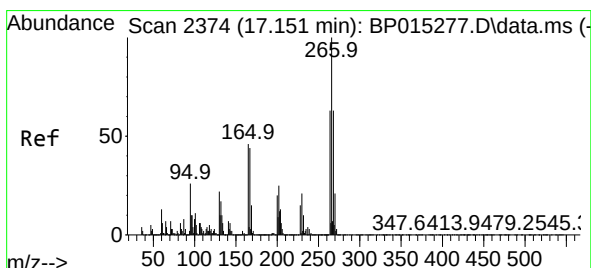
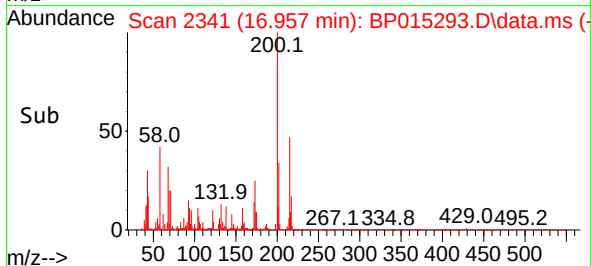
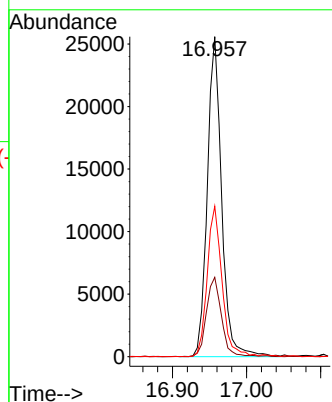
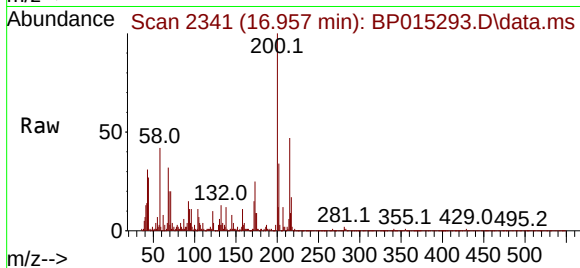
Tgt Ion:200 Resp: 34434

Ion Ratio Lower Upper

200 100

173 24.8 4.7 44.7

215 47.0 27.5 67.5



#70

Pentachlorophenol

Concen: 2.508 ng

RT: 17.157 min Scan# 2375

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

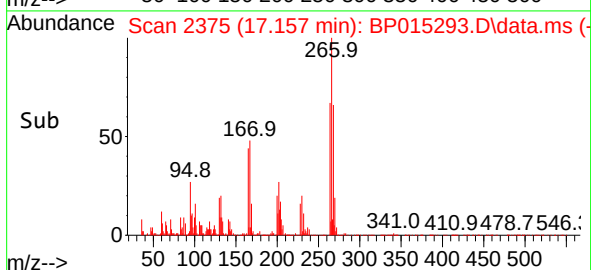
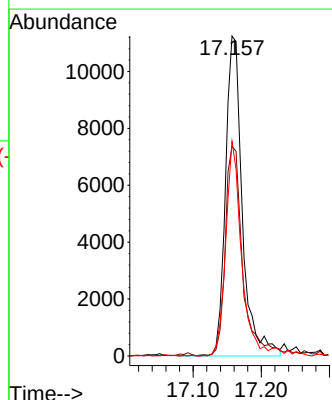
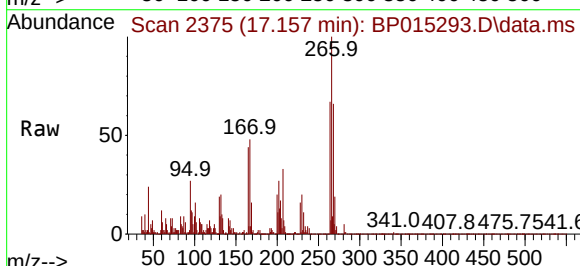
Tgt Ion:266 Resp: 19365

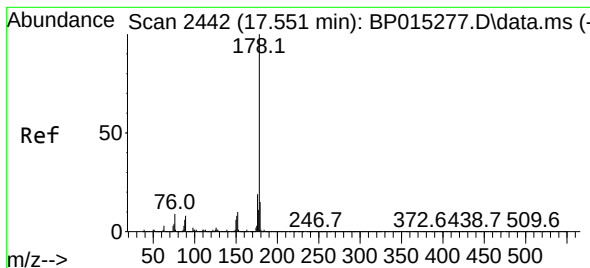
Ion Ratio Lower Upper

266 100

268 65.6 50.0 75.0

264 67.0 50.4 75.6





#71

Phenanthrene

Concen: 4.053 ng

RT: 17.551 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

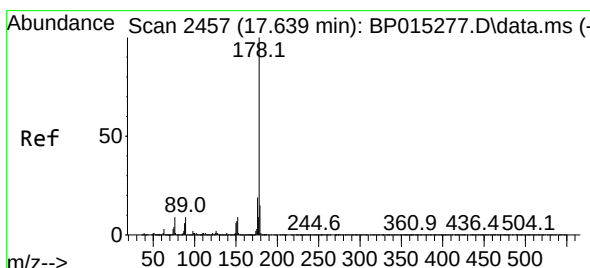
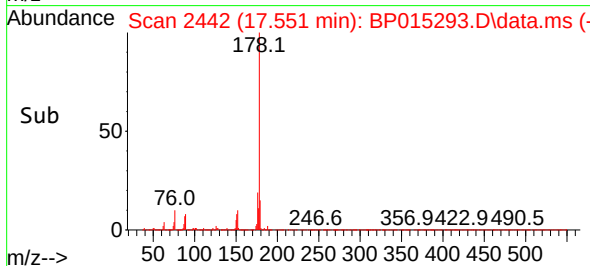
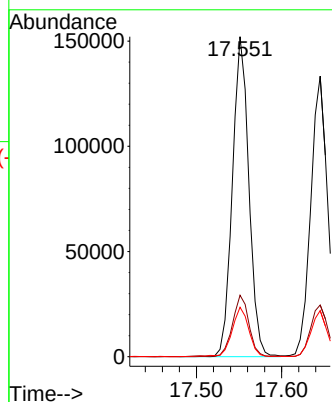
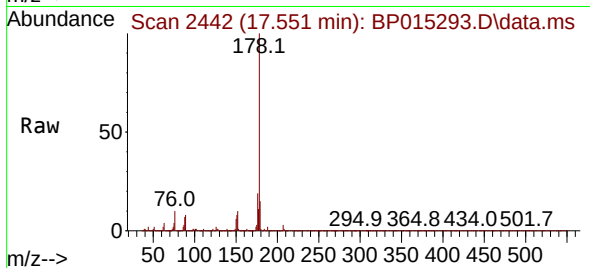
Tgt Ion:178 Resp: 204383

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.3 18.5



#72

Anthracene

Concen: 3.781 ng

RT: 17.645 min Scan# 2458

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

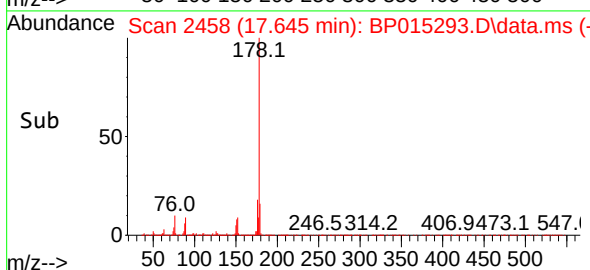
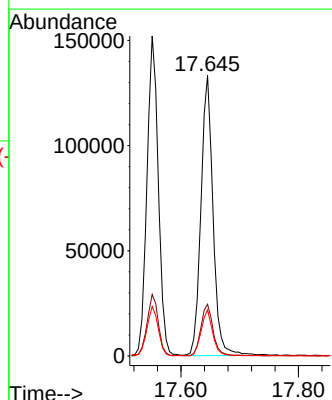
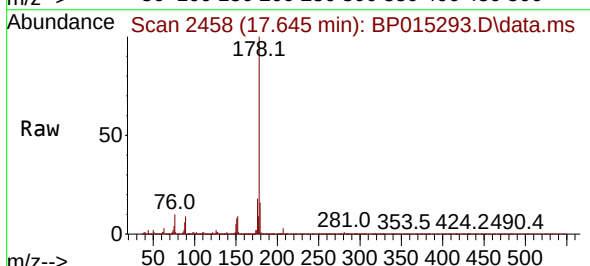
Tgt Ion:178 Resp: 190938

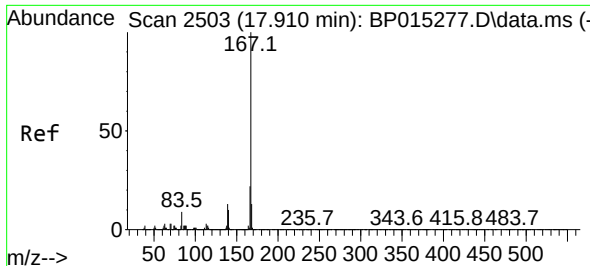
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 16.4 12.2 18.4

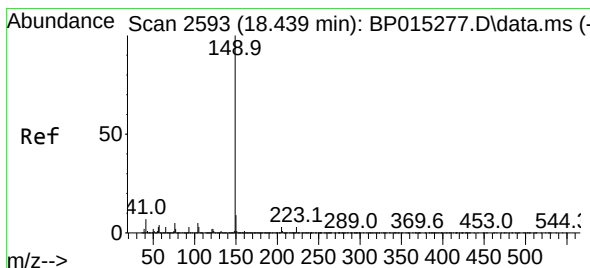
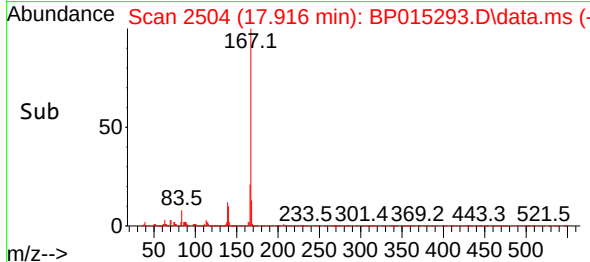
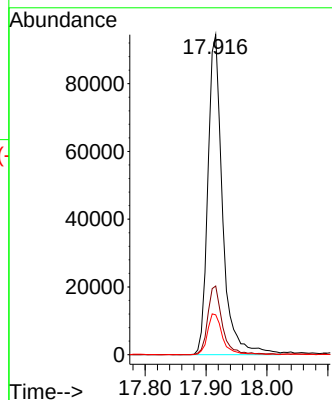
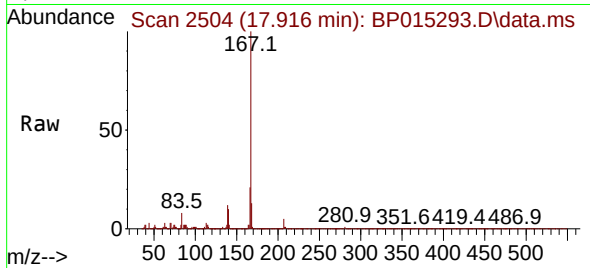




#73
 Carbazole
 Concen: 3.529 ng
 RT: 17.916 min Scan# 2503
 Delta R.T. 0.006 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

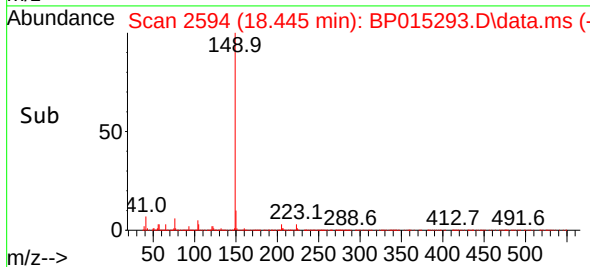
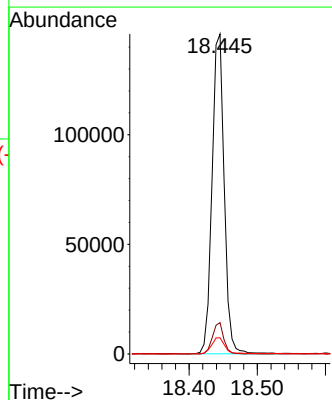
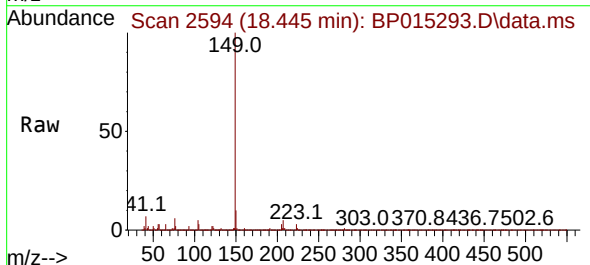
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

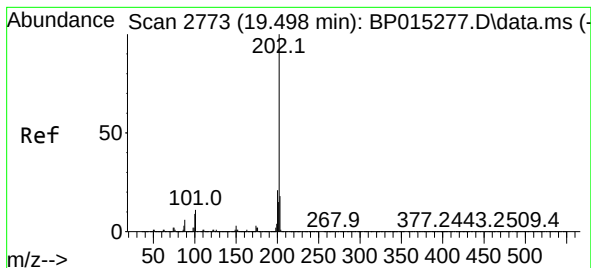
Tgt Ion:167 Resp: 157803
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 12.5 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 3.154 ng
 RT: 18.445 min Scan# 2594
 Delta R.T. 0.006 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

Tgt Ion:149 Resp: 181137
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.3 10.9
 104 5.0 4.4 6.6





#75

Fluoranthene

Concen: 3.397 ng

RT: 19.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

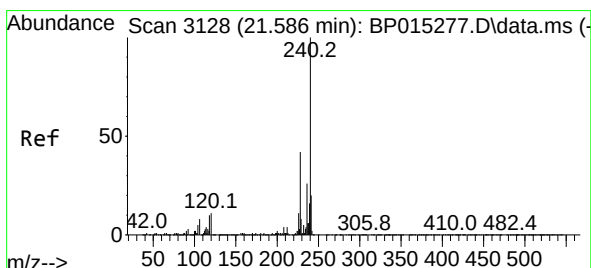
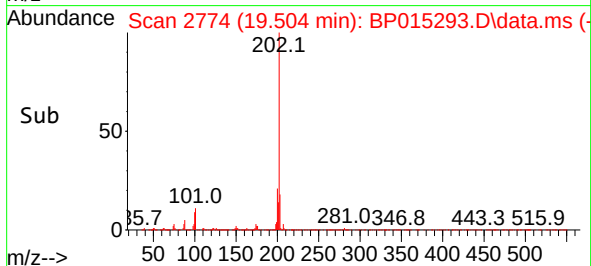
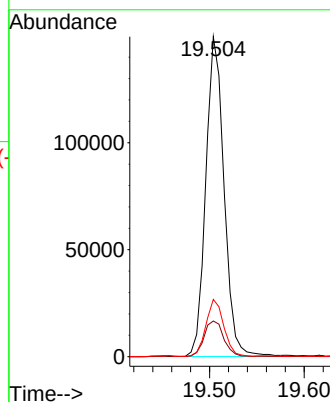
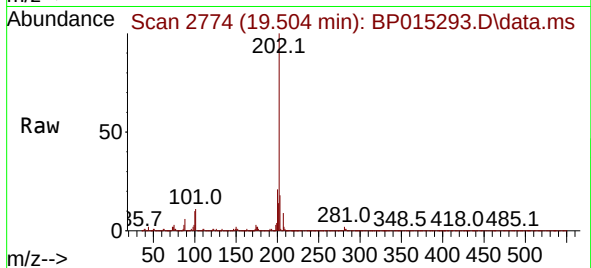
Tgt Ion:202 Resp: 200100

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

203 17.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

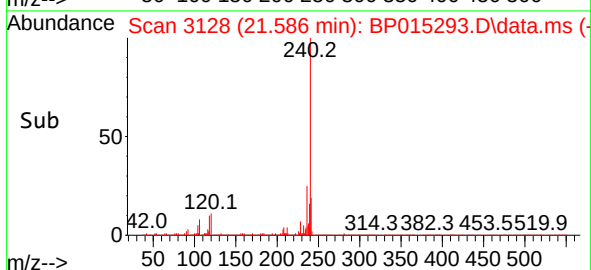
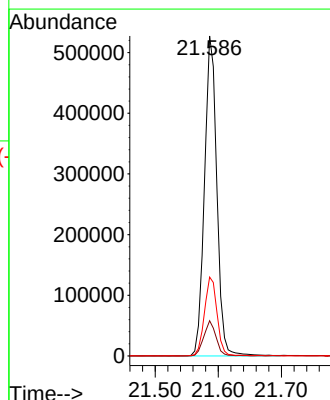
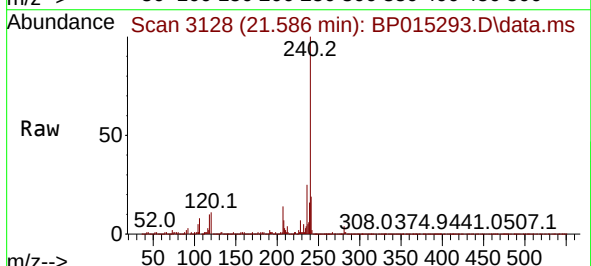
Tgt Ion:240 Resp: 719381

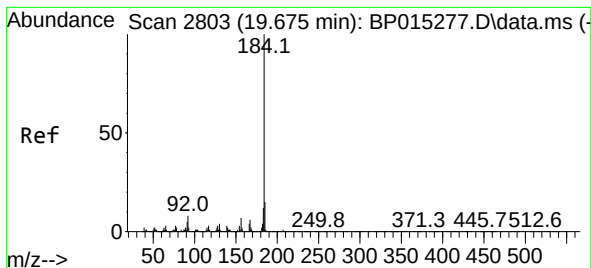
Ion Ratio Lower Upper

240 100

120 11.0 8.8 13.2

236 24.7 20.5 30.7





#77

Benzidine

Concen: 4.920 ng

RT: 19.686 min Scan# 2805

Delta R.T. 0.012 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

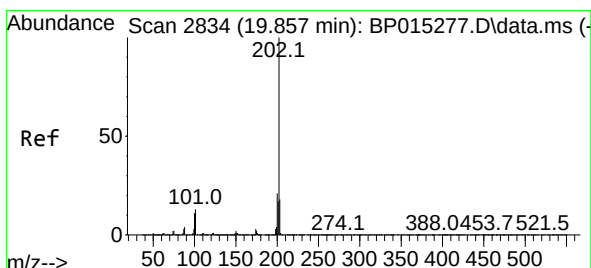
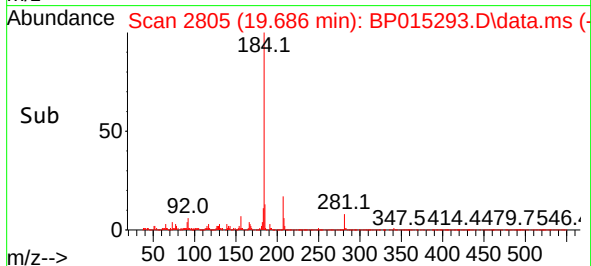
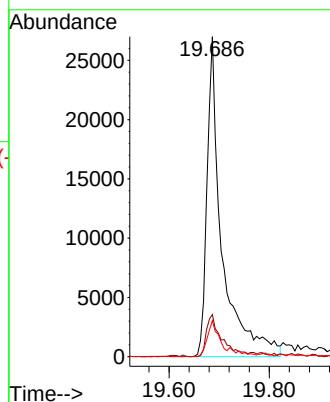
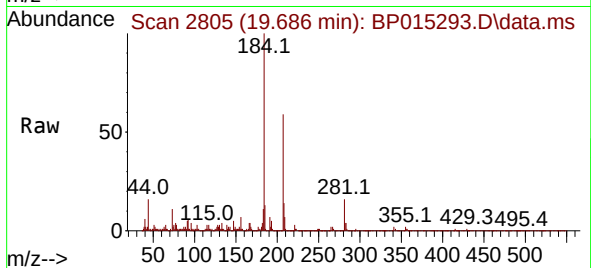
Tgt Ion:184 Resp: 56050

Ion Ratio Lower Upper

184 100

185 13.1 11.6 17.4

183 11.3 9.4 14.0



#78

Pyrene

Concen: 4.114 ng

RT: 19.857 min Scan# 2834

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

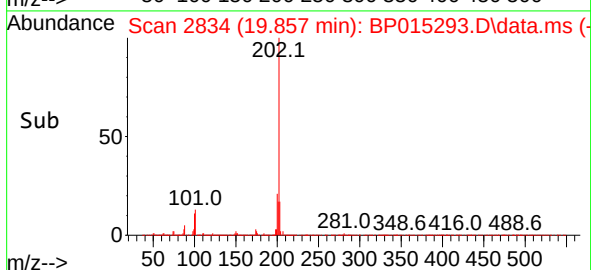
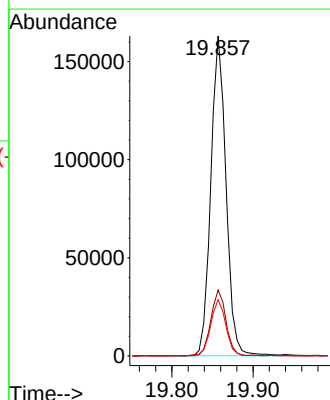
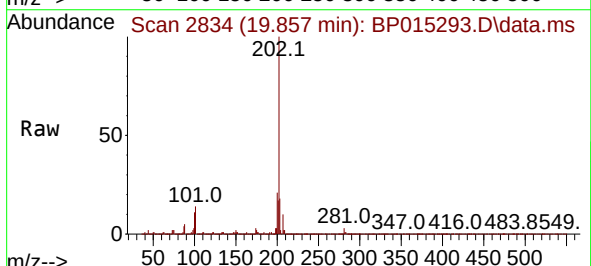
Tgt Ion:202 Resp: 211765

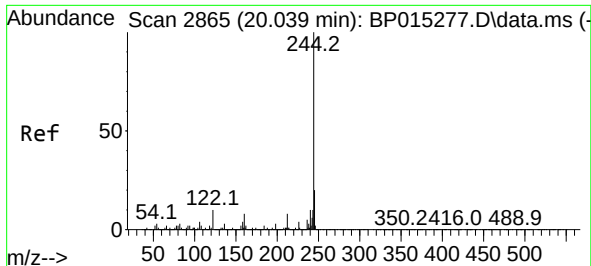
Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 17.6 14.2 21.2

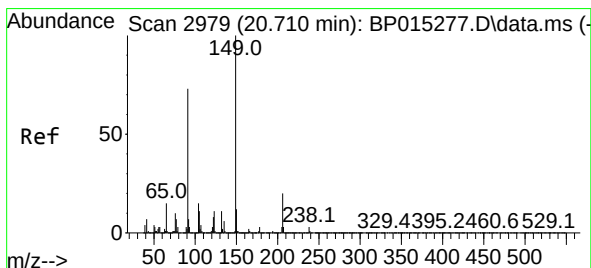
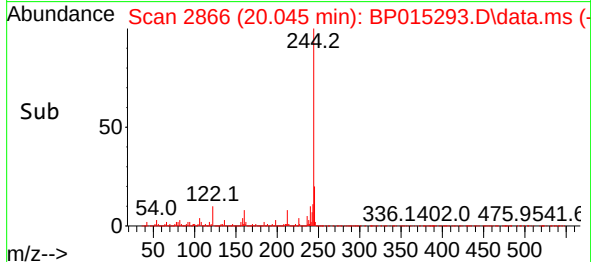
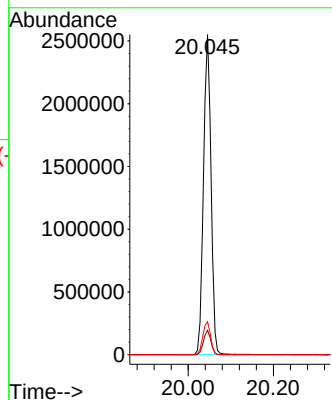
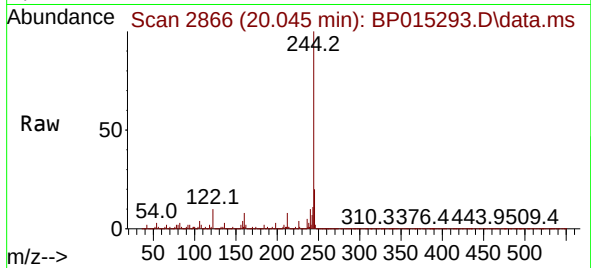




#79
 Terphenyl-d14
 Concen: 81.856 ng
 RT: 20.045 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

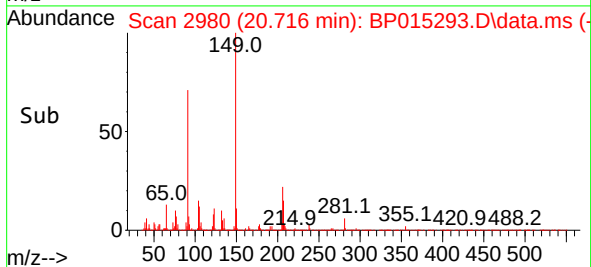
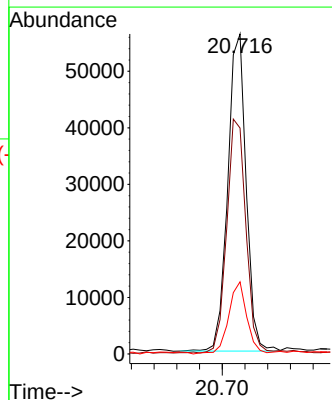
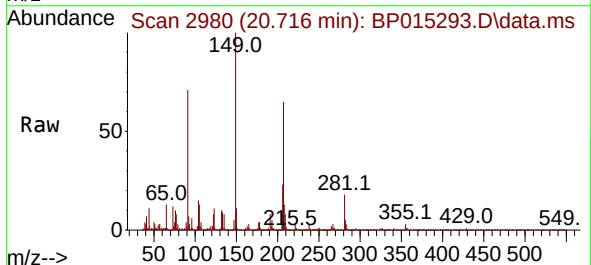
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

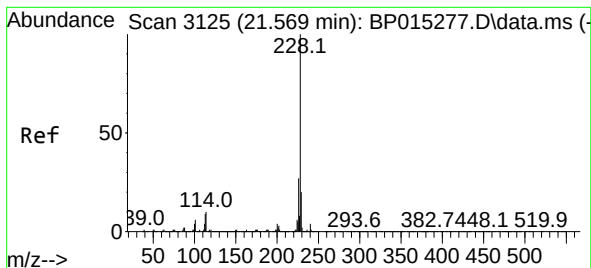
Tgt Ion:244 Resp: 3130625
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 10.3 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 2.890 ng
 RT: 20.716 min Scan# 2980
 Delta R.T. 0.006 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

Tgt Ion:149 Resp: 63045
 Ion Ratio Lower Upper
 149 100
 91 70.6 58.2 87.2
 206 22.6 16.2 24.4





#81

Benzo(a)anthracene

Concen: 3.754 ng

RT: 21.569 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

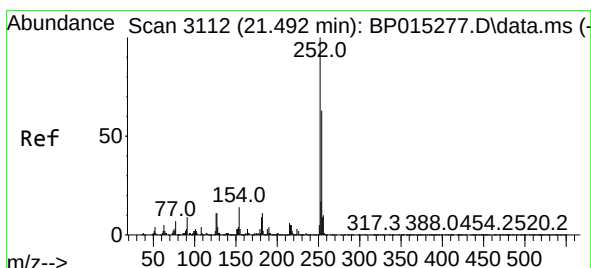
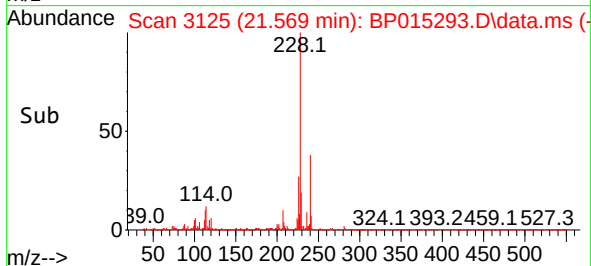
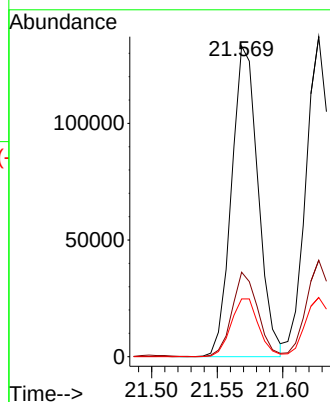
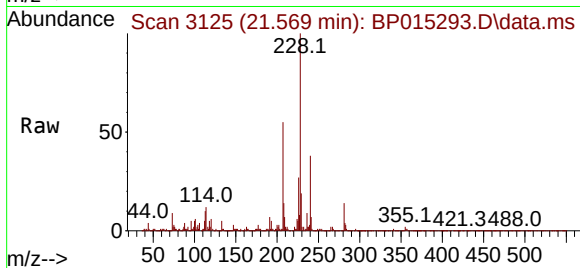
Tgt Ion:228 Resp: 187615

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 18.6 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 3.856 ng

RT: 21.498 min Scan# 3113

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

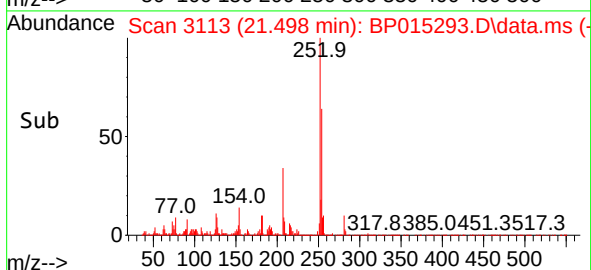
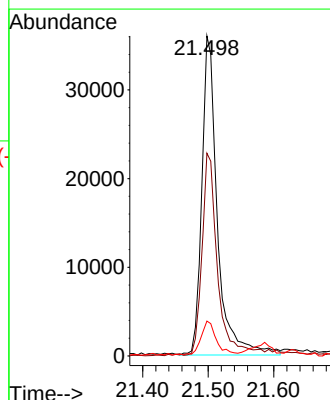
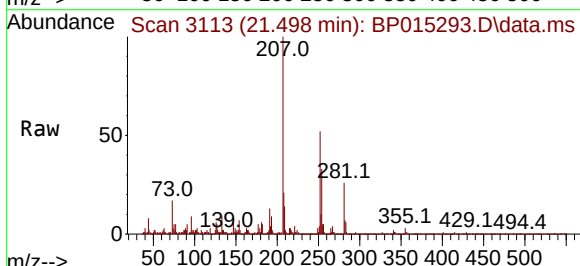
Tgt Ion:252 Resp: 59526

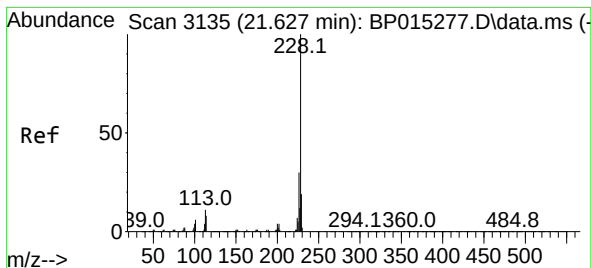
Ion Ratio Lower Upper

252 100

254 63.3 50.7 76.1

126 10.9 8.7 13.1





#83

Chrysene

Concen: 3.818 ng

RT: 21.627 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

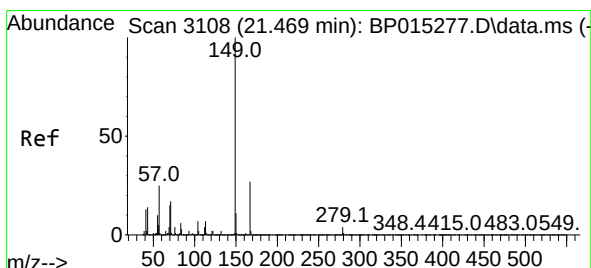
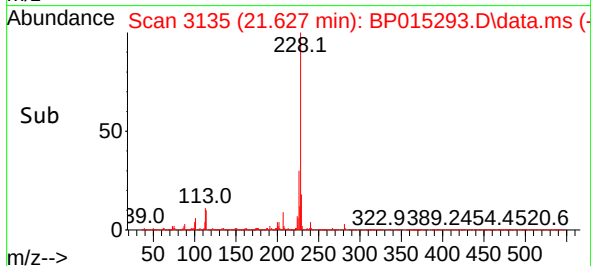
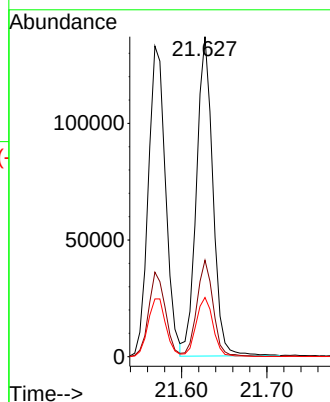
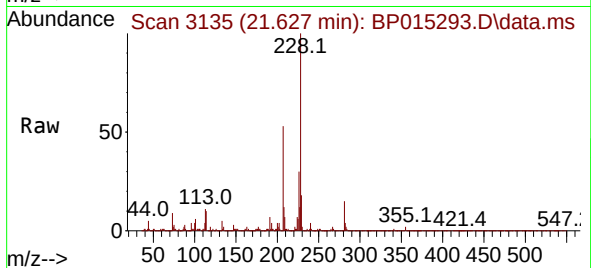
Tgt Ion:228 Resp: 182994

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

229 18.5 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.717 ng

RT: 21.469 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

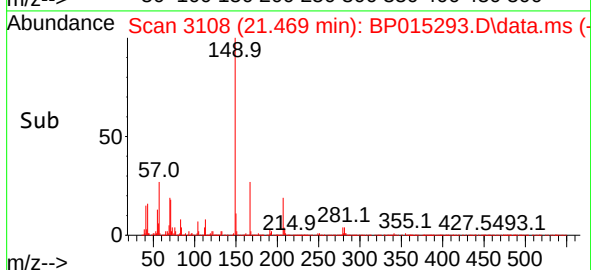
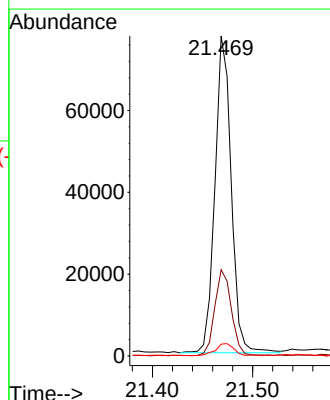
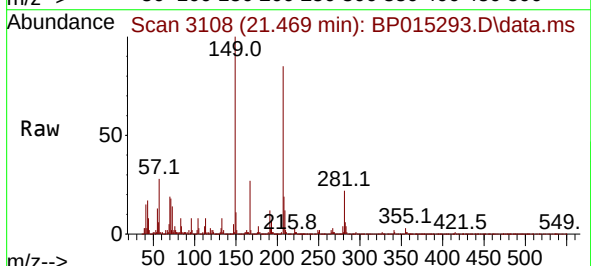
Tgt Ion:149 Resp: 87289

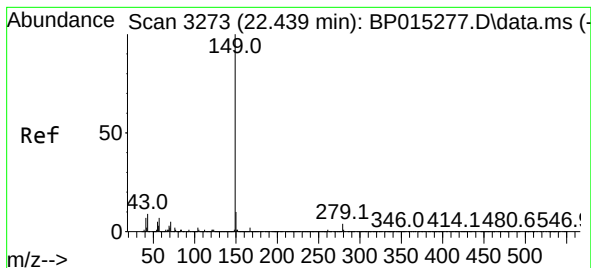
Ion Ratio Lower Upper

149 100

167 26.9 21.6 32.4

279 3.7 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 2.638 ng

RT: 22.445 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

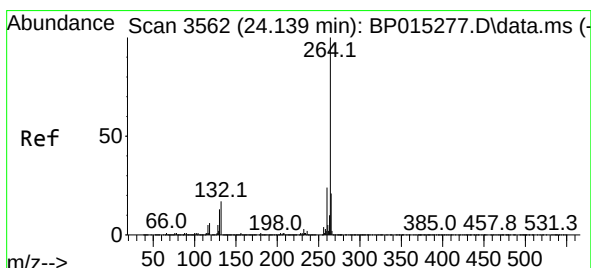
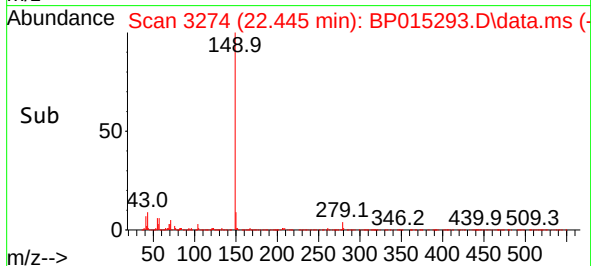
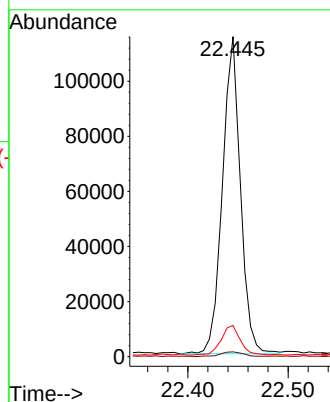
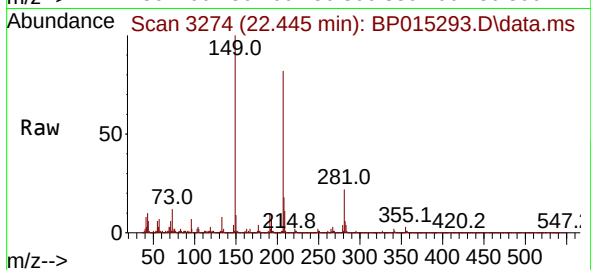
Tgt Ion:149 Resp: 143370

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 10.0 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.145 min Scan# 3563

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

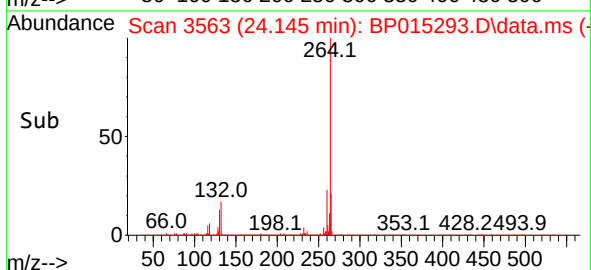
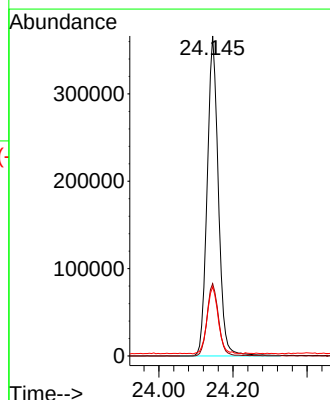
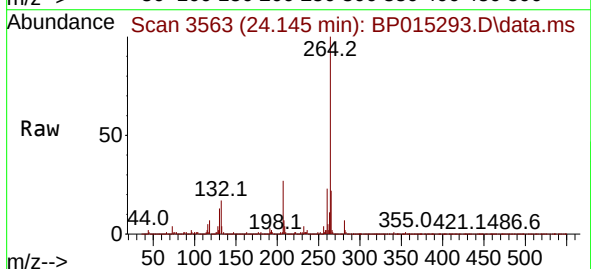
Tgt Ion:264 Resp: 766647

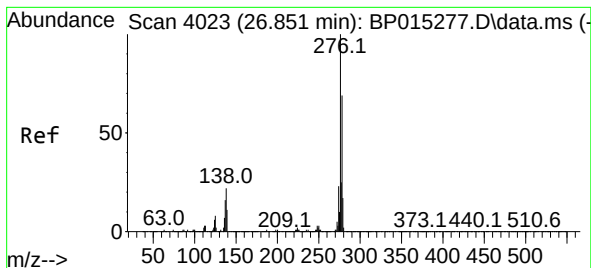
Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 21.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.555 ng

RT: 26.851 min Scan# 4023

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

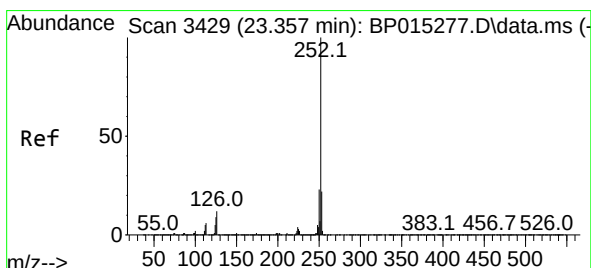
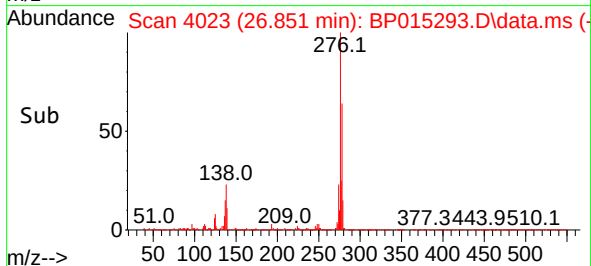
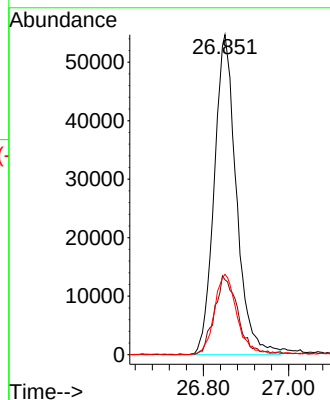
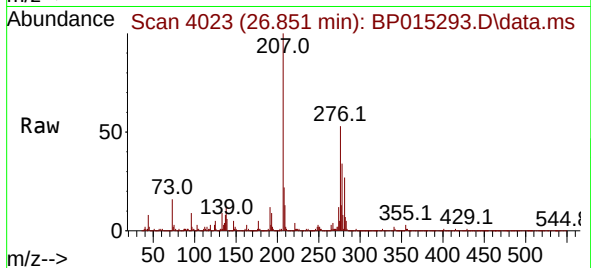
Tgt Ion:276 Resp: 197516

Ion Ratio Lower Upper

276 100

138 25.8 19.0 28.6

277 25.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.757 ng

RT: 23.357 min Scan# 3429

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

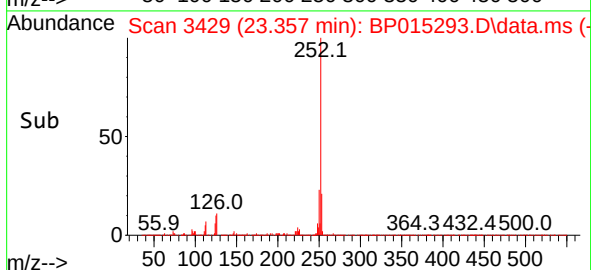
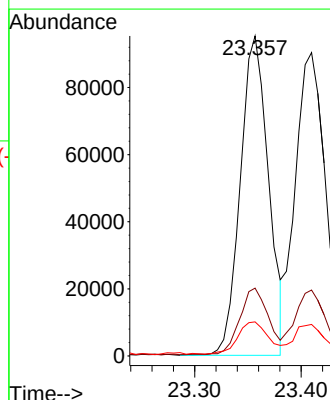
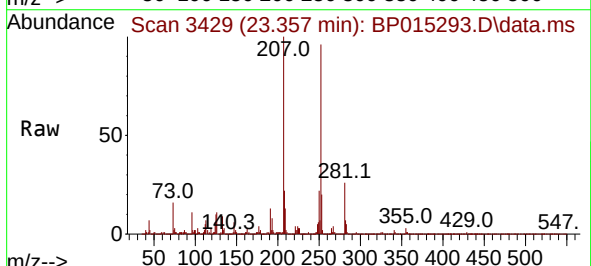
Tgt Ion:252 Resp: 175110

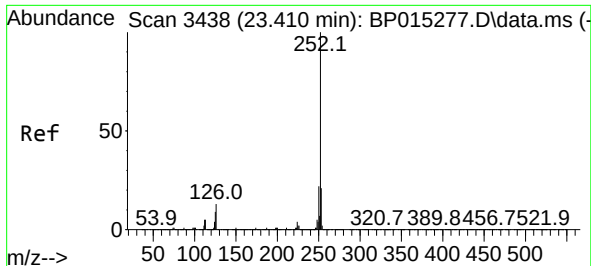
Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

125 10.7 7.2 10.8

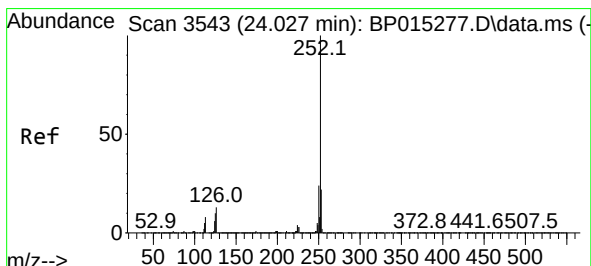
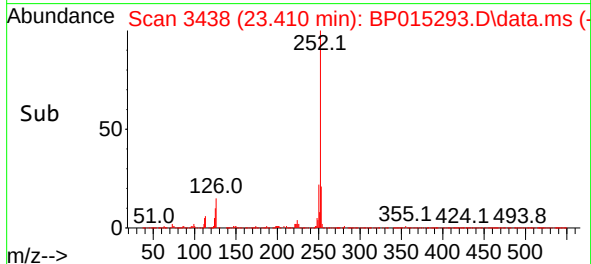
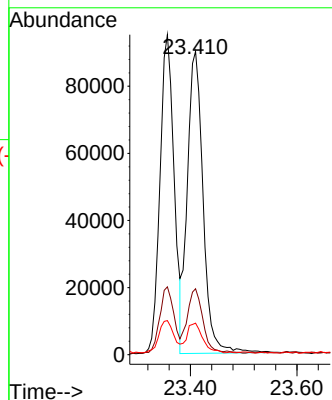
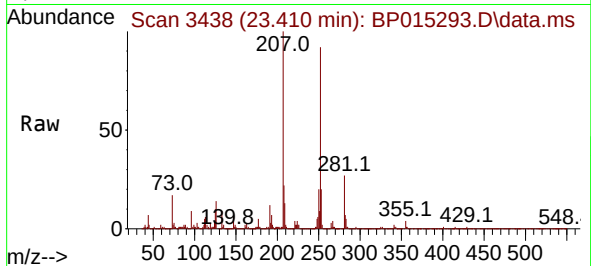




#89
Benzo(k)fluoranthene
Concen: 3.937 ng
RT: 23.410 min Scan# 3438
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

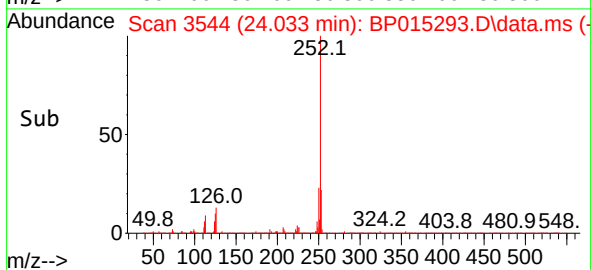
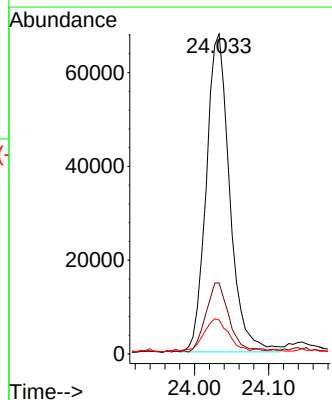
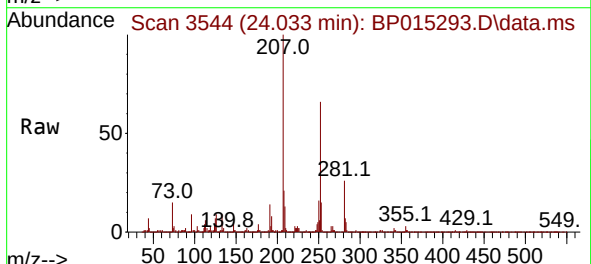
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

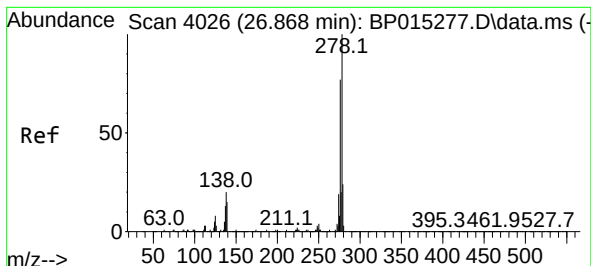
Tgt Ion:252 Resp: 184805
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 10.4 7.4 11.0



#90
Benzo(a)pyrene
Concen: 3.312 ng
RT: 24.033 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:252 Resp: 149052
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 10.7 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 3.597 ng

RT: 26.868 min Scan# 4026

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

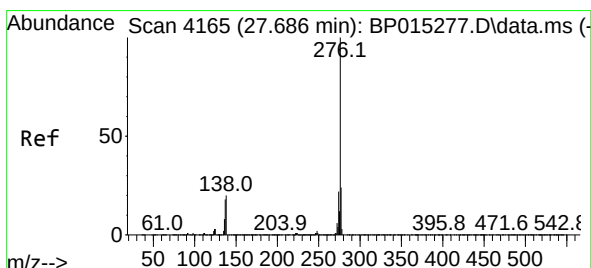
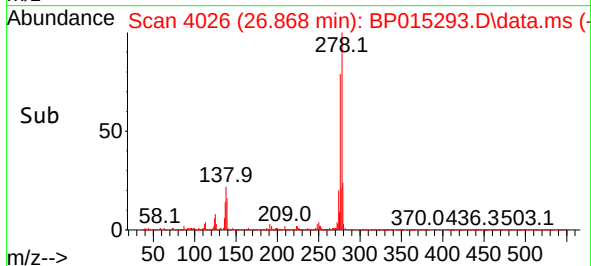
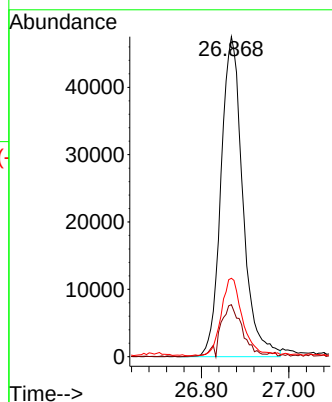
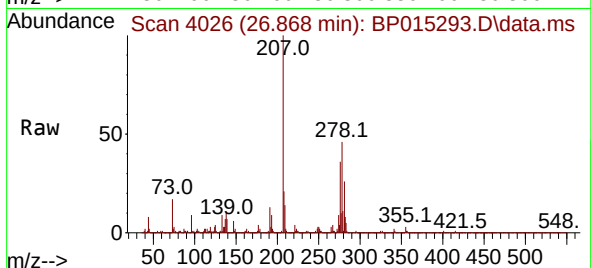
Tgt Ion:278 Resp: 164142

Ion Ratio Lower Upper

278 100

139 16.2 12.3 18.5

279 24.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.607 ng

RT: 27.686 min Scan# 4165

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:276 Resp: 167266

Ion Ratio Lower Upper

276 100

277 22.2 19.0 28.6

138 22.4 16.2 24.2

