

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051021\
 Data File : BP005468.D
 Acq On : 10 May 2021 14:54
 Operator : CG/JU
 Sample : M2330-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CFOS-SOIL

Quant Time: May 10 15:25:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 07 12:37:06 2021
 Response via : Initial Calibration

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

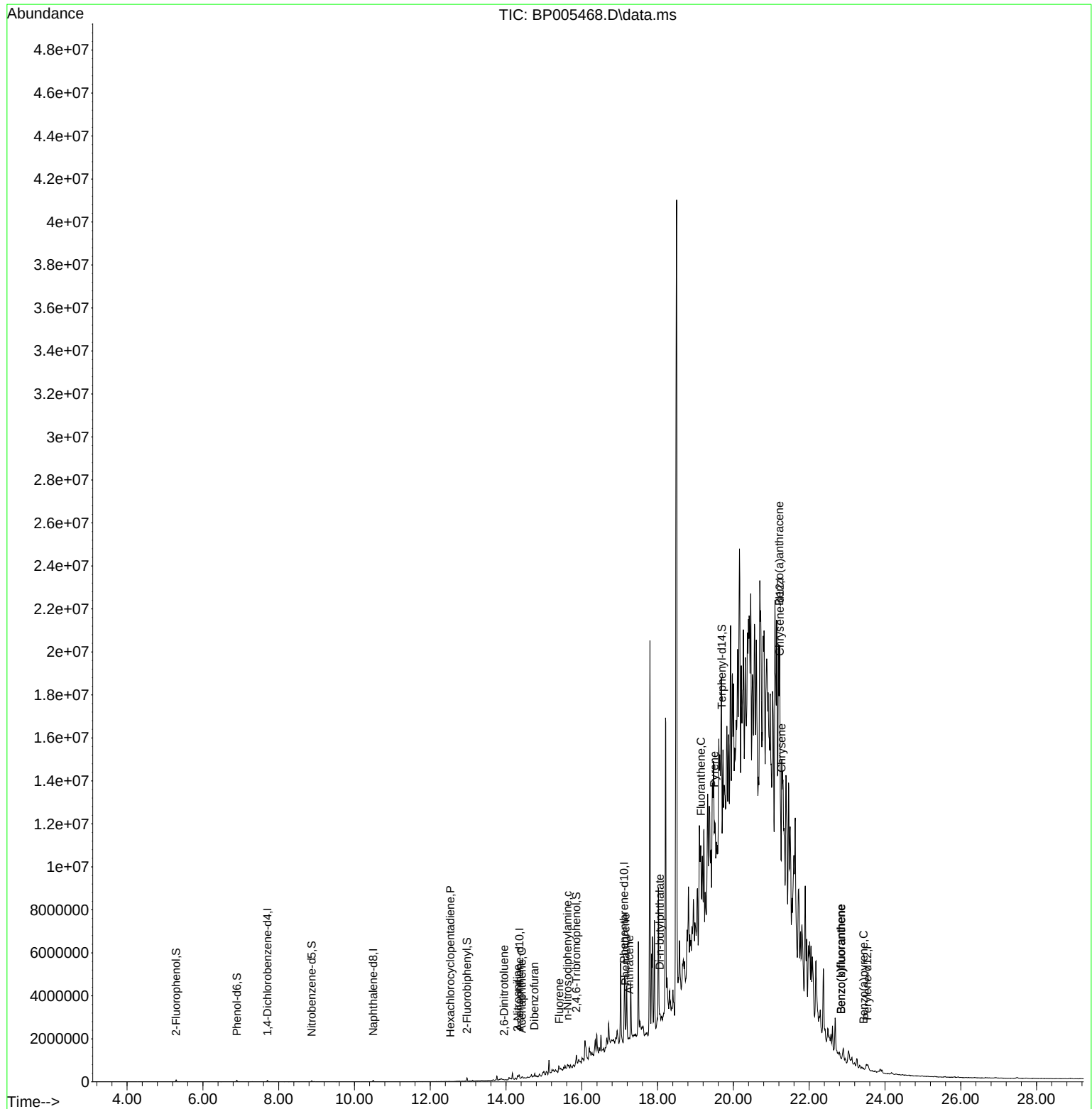
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	12681	20.00	ng	0.00
21) Naphthalene-d8	10.499	136	37994	20.00	ng	# 0.00
39) Acenaphthene-d10	14.351	164	39912	20.00	ng	0.00
64) Phenanthrene-d10	17.116	188	180046	20.00	ng	# 0.00
76) Chrysene-d12	21.227	240	414580	20.00	ng	# 0.02
86) Perylene-d12	23.539	264	193840	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	26166	39.60	ng	0.00
7) Phenol-d6	6.899	99	27941	33.91	ng	0.00
23) Nitrobenzene-d5	8.869	82	25133	26.04	ng	-0.01
42) 2,4,6-Tribromophenol	15.851	330	48958	43.23	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	68094	19.25	ng	-0.01
79) Terphenyl-d14	19.692	244	587367	24.06	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.175	88	92	Below Cal	#	45
9) Benzaldehyde	7.099	77	37	Below Cal		87
41) Hexachlorocyclopentadiene	12.534	237	7	7.88	ng	87
51) 2,6-Dinitrotoluene	13.951	165	2504	3.24	ng	# 19
52) Acenaphthene	14.416	154	5233	2.28	ng	93
53) 3-Nitroaniline	14.304	138	1766	3.19	ng	# 29
55) Dibenzofuran	14.751	168	9603	2.23	ng	# 66
58) Fluorene	15.404	166	16908	4.80	ng	# 77
66) n-Nitrosodiphenylamine	15.622	169	18610	3.54	ng	# 47
71) Phenanthrene	17.157	178	178734	17.47	ng	# 89
72) Anthracene	17.251	178	26344	2.59	ng	# 51
74) Di-n-butylphthalate	18.057	149	32124	3.27	ng	# 1
75) Fluoranthene	19.145	202	210043	14.93	ng	# 1
78) Pyrene	19.498	202	163745	6.98	ng	# 1
81) Benzo(a)anthracene	21.216	228	110764	4.12	ng	# 7
83) Chrysene	21.269	228	75875	2.91	ng	# 32
88) Benzo(b)fluoranthene	22.839	252	61398	4.75	ng	# 90
89) Benzo(k)fluoranthene	22.839	252	61398	4.86	ng	# 87
90) Benzo(a)pyrene	23.433	252	39826	3.36	ng	# 91

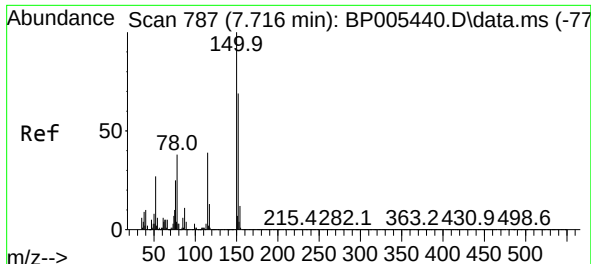
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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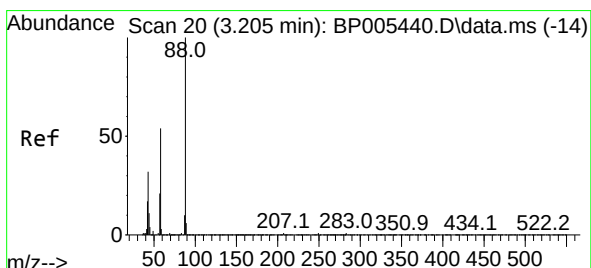
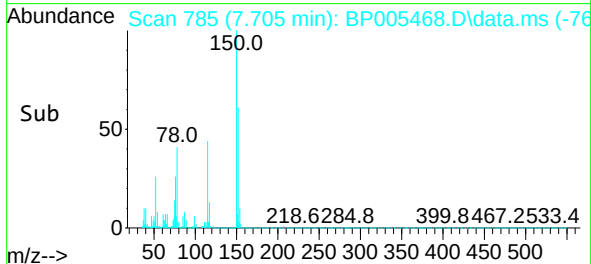
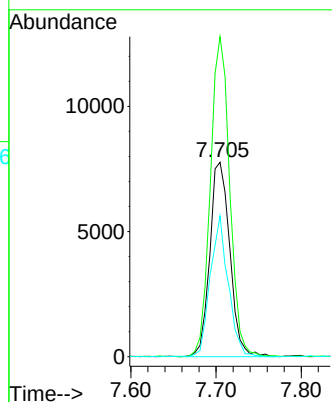
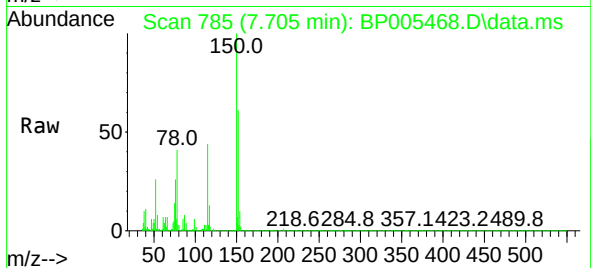




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.705 min Scan# 785
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

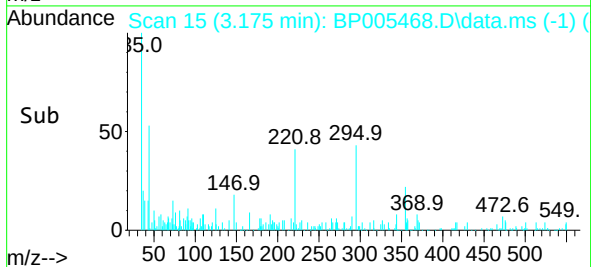
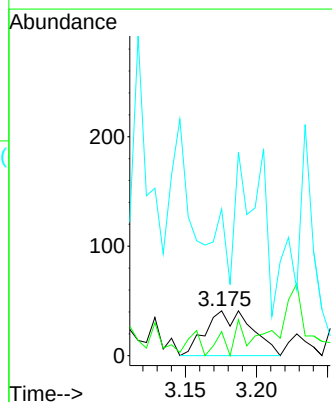
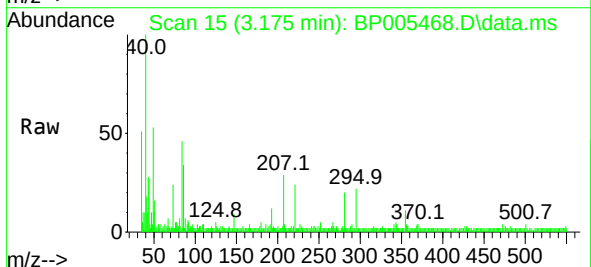
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

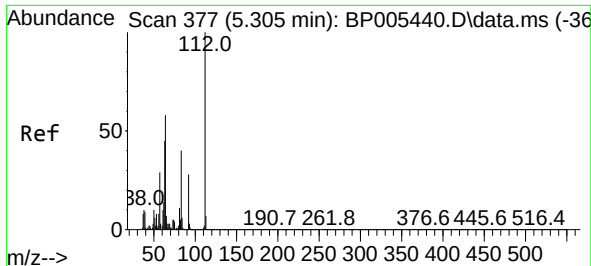
Tgt Ion:152 Resp: 12681
Ion Ratio Lower Upper
152 100
150 164.7 119.8 179.8
115 72.4 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.175 min Scan# 15
Delta R.T. -0.018 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
58 12.0 42.5 63.7#
43 0.0 19.8 29.8#

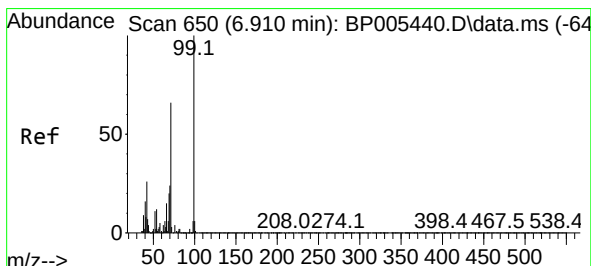
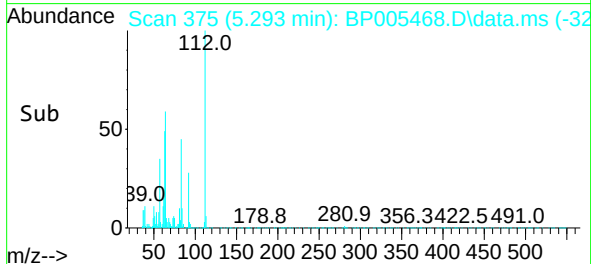
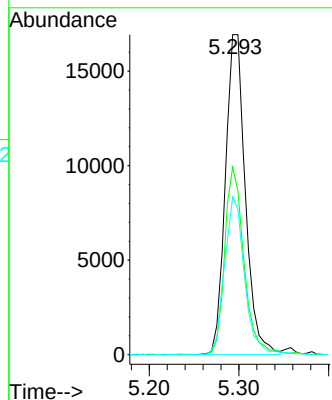
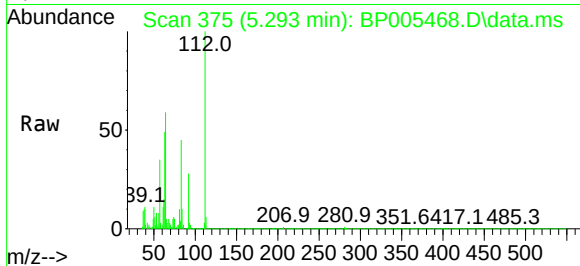




#5
2-Fluorophenol
Concen: 39.60 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

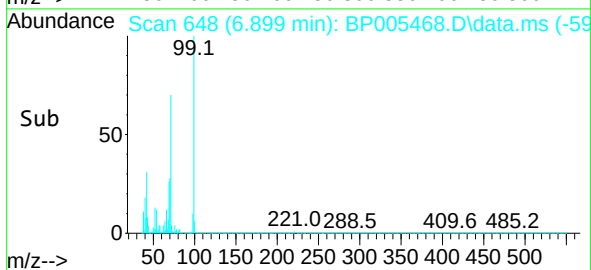
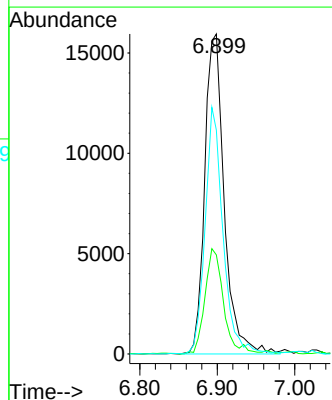
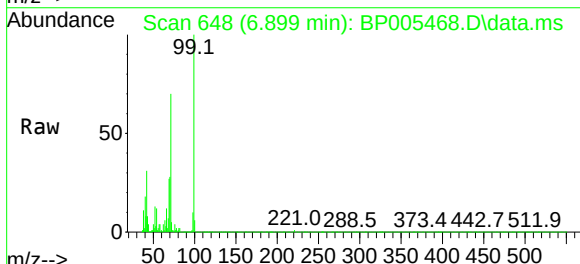
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

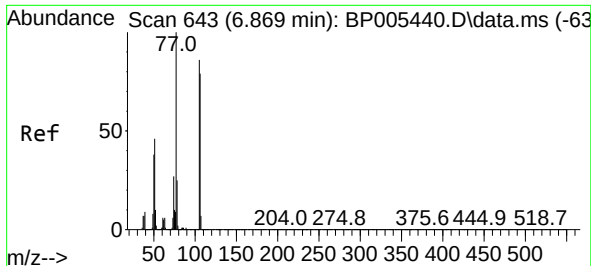
Tgt Ion:112 Resp: 26166
Ion Ratio Lower Upper
112 100
64 58.6 33.6 50.4#
63 49.3 18.6 27.8#



#7
Phenol-d6
Concen: 33.91 ng
RT: 6.899 min Scan# 648
Delta R.T. -0.000 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion: 99 Resp: 27941
Ion Ratio Lower Upper
99 100
42 31.0 12.9 19.3#
71 70.0 26.7 40.1#

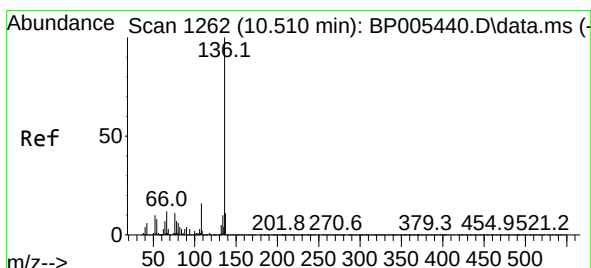
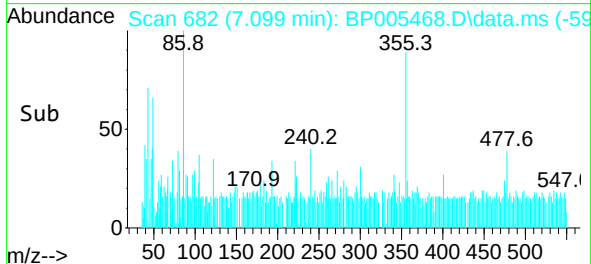
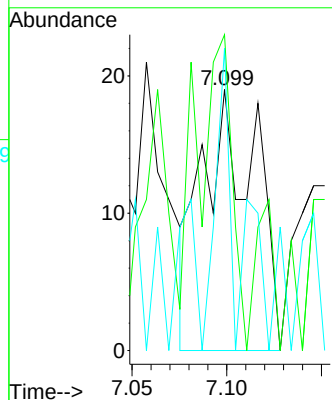
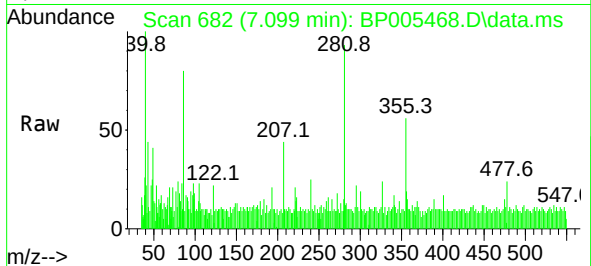




#9
Benzaldehyde
Concen: Below Cal
RT: 7.099 min Scan# 682
Delta R.T. 0.241 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

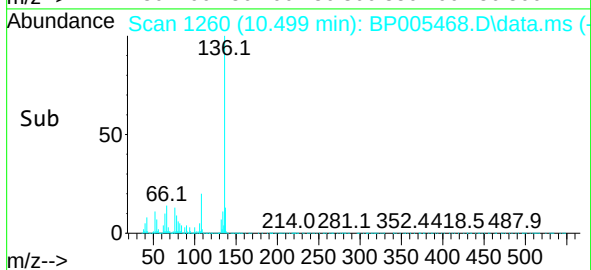
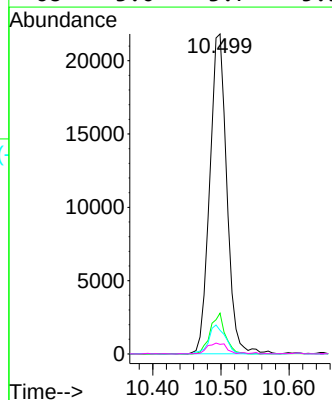
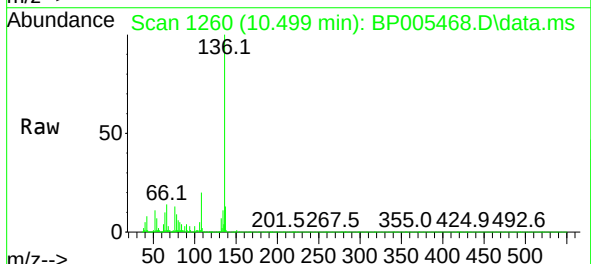
Instrument :
BNA_P
ClientSampled :
CFOS-SOIL

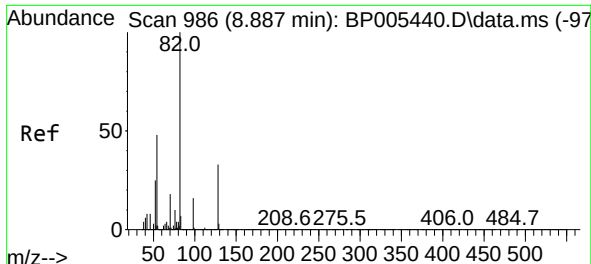
Tgt Ion: 77 Resp: 37
Ion Ratio Lower Upper
77 100
105 121.1 89.4 129.4
106 115.8 79.9 119.9



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.499 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion: 136 Resp: 37994
Ion Ratio Lower Upper
136 100
137 12.7 8.9 13.3
54 7.4 5.0 7.4
68 3.0 3.7 5.5#

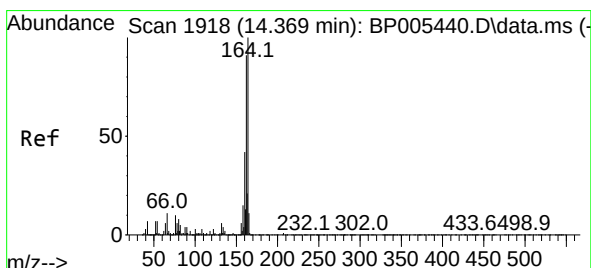
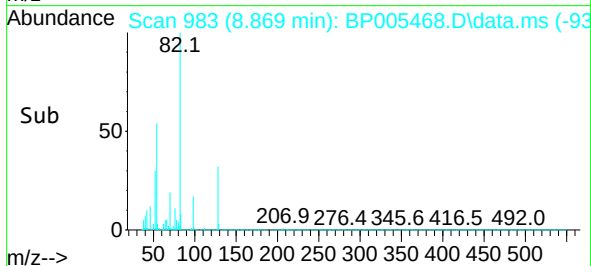
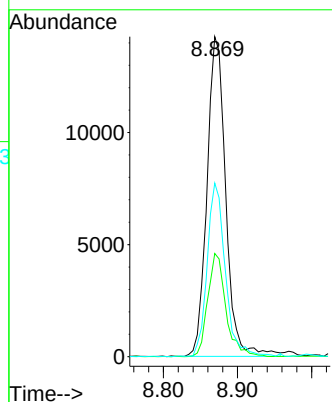
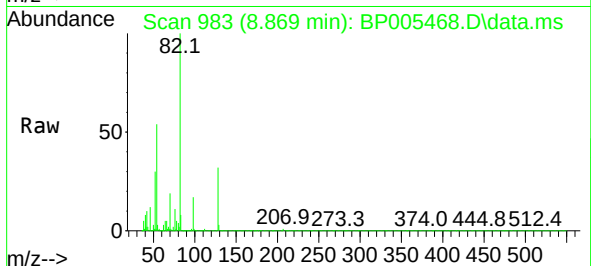




#23
Nitrobenzene-d5
Concen: 26.04 ng
RT: 8.869 min Scan# 983
Delta R.T. -0.012 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

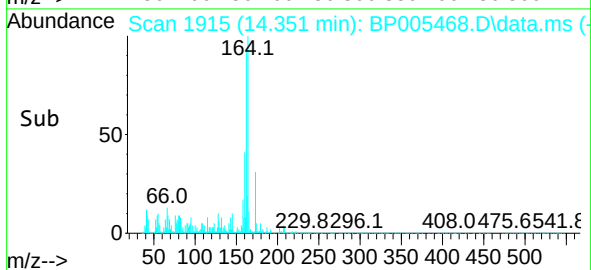
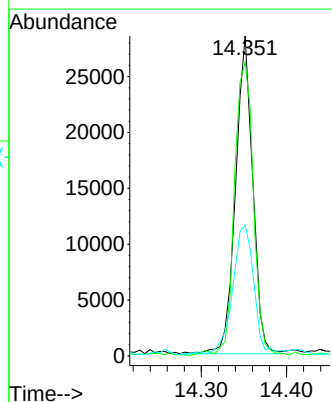
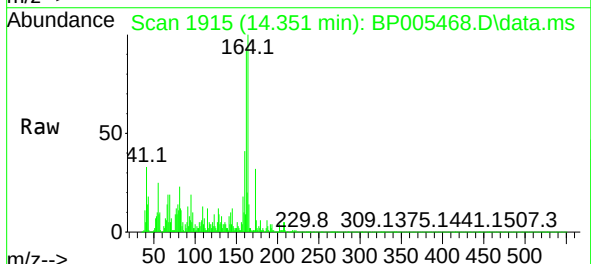
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

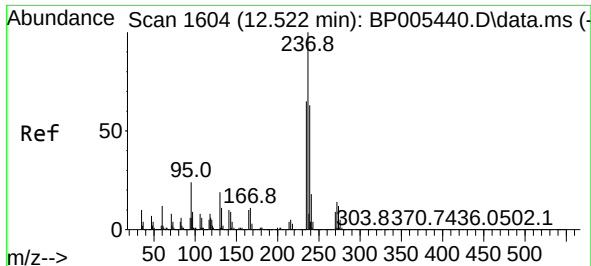
Tgt Ion: 82 Resp: 25133
Ion Ratio Lower Upper
82 100
128 32.3 30.5 45.7
54 54.2 33.9 50.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion: 164 Resp: 39912
Ion Ratio Lower Upper
164 100
162 91.8 73.5 110.3
160 40.9 40.6 61.0

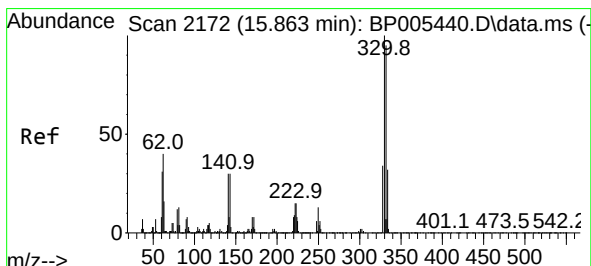
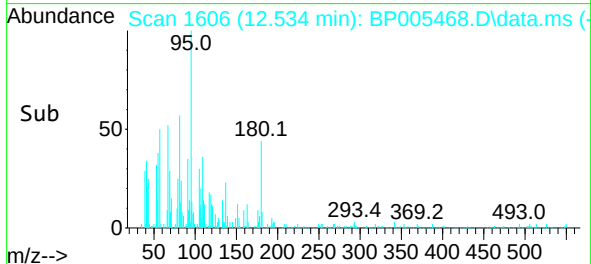
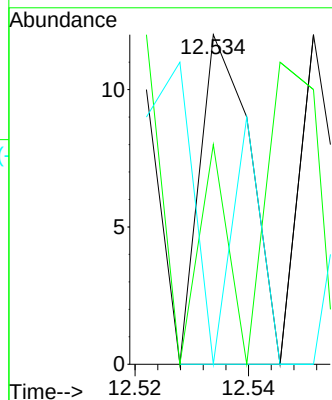
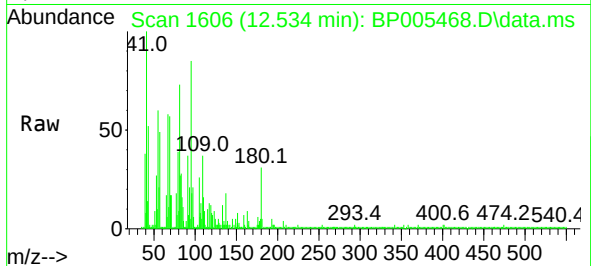




#41
Hexachlorocyclopentadiene
Concen: 7.88 ng
RT: 12.534 min Scan# 1606
Delta R.T. 0.023 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

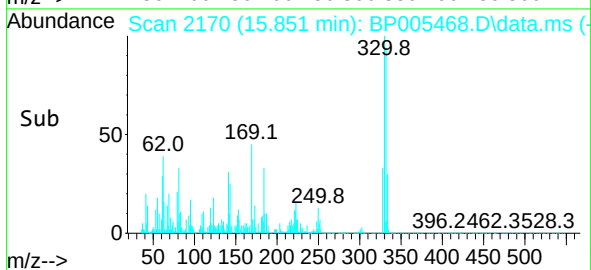
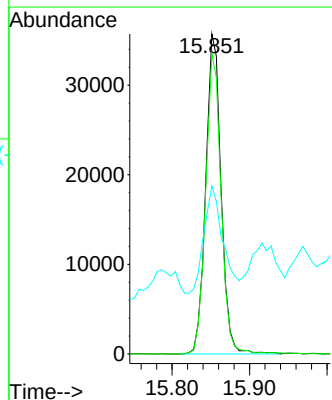
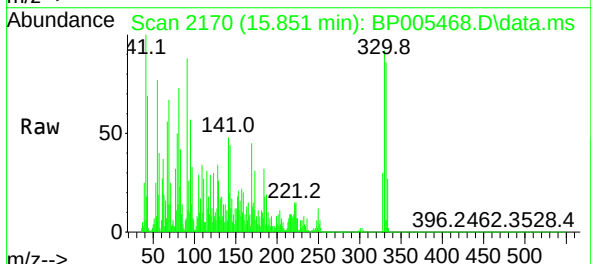
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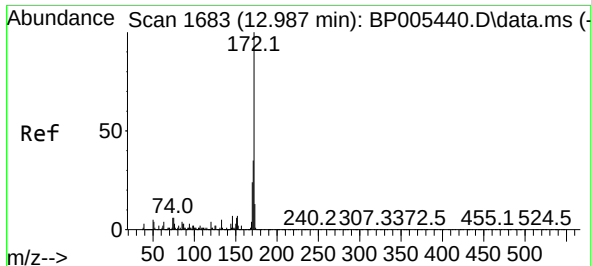
Tgt Ion:	237	Resp:	7
Ion	Ratio	Lower	Upper
237	100		
235	66.7	40.9	80.9
272	0.0	0.0	34.6



#42
2,4,6-Tribromophenol
Concen: 43.23 ng
RT: 15.851 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:	330	Resp:	48958
Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.3	114.5
141	41.3	22.8	34.2#

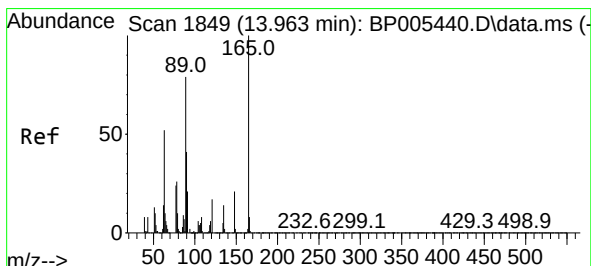
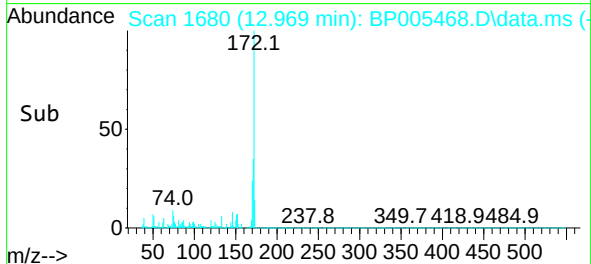
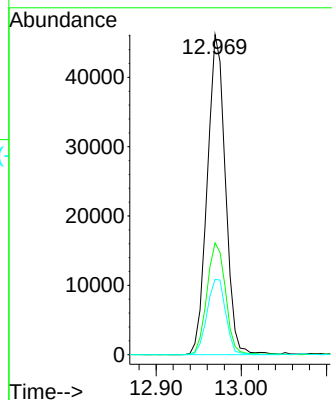
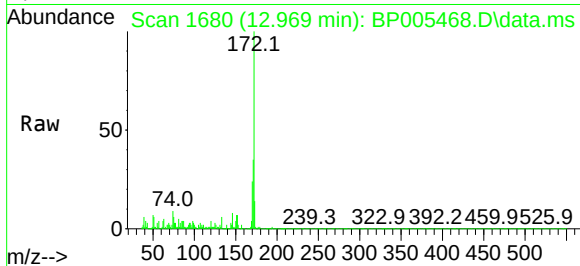




#45
2-Fluorobiphenyl
Concen: 19.25 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

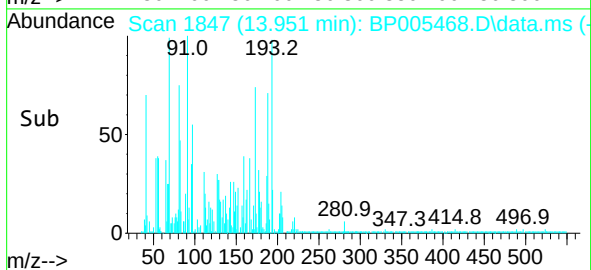
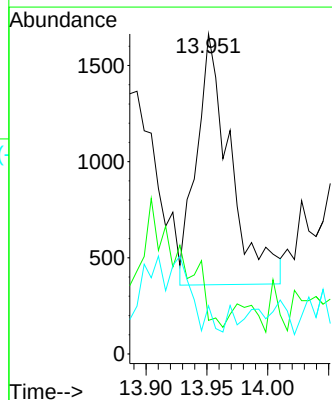
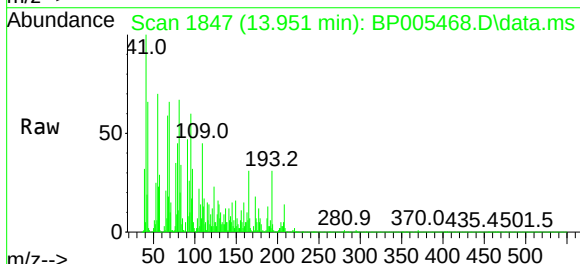
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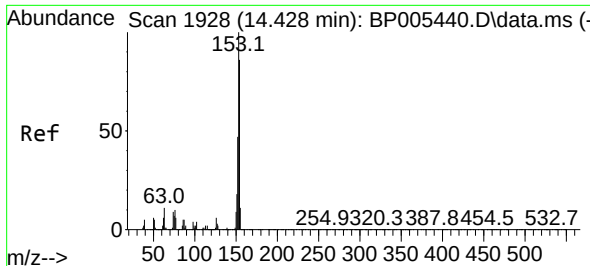
Tgt Ion:172 Resp: 68094
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.6 19.6 29.4



#51
2,6-Dinitrotoluene
Concen: 3.24 ng
RT: 13.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:165 Resp: 2504
Ion Ratio Lower Upper
165 100
63 10.5 67.4 101.0#
89 15.0 73.8 110.6#

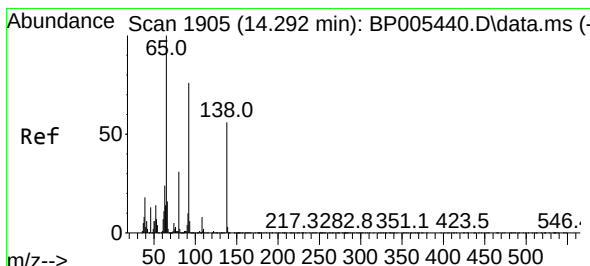
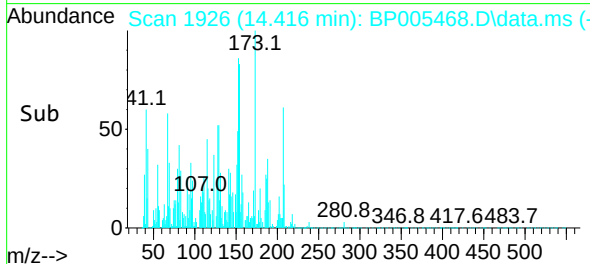
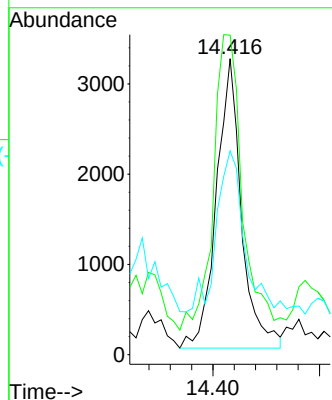
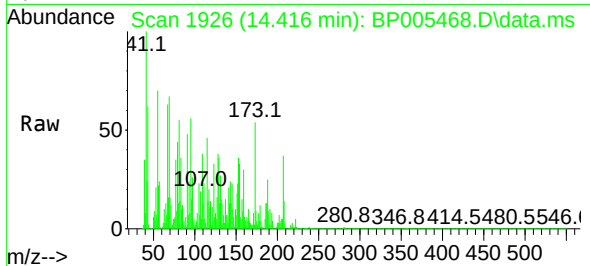




#52
Acenaphthene
Concen: 2.28 ng
RT: 14.416 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

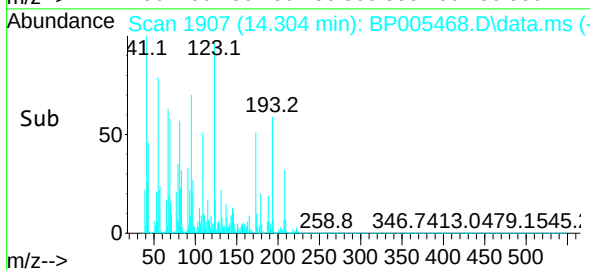
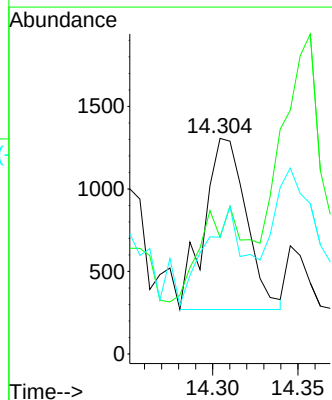
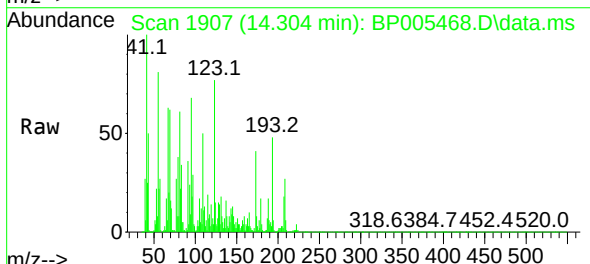
Instrument :
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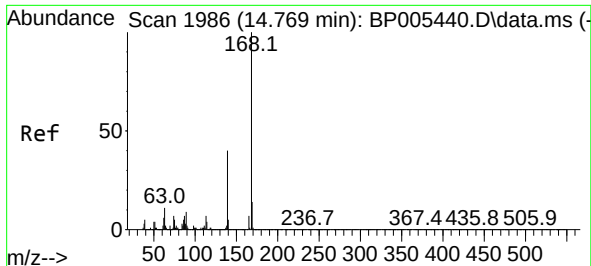
Tgt Ion:154 Resp: 5233
Ion Ratio Lower Upper
154 100
153 108.0 90.9 136.3
152 68.8 48.5 72.7



#53
3-Nitroaniline
Concen: 3.19 ng
RT: 14.304 min Scan# 1907
Delta R.T. 0.018 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:138 Resp: 1766
Ion Ratio Lower Upper
138 100
108 54.1 10.2 15.4#
92 54.2 108.1 162.1#

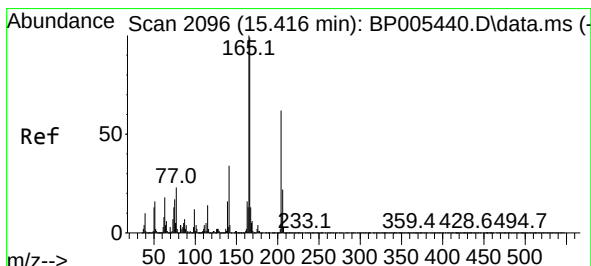
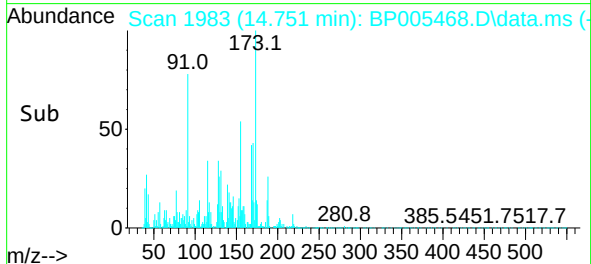
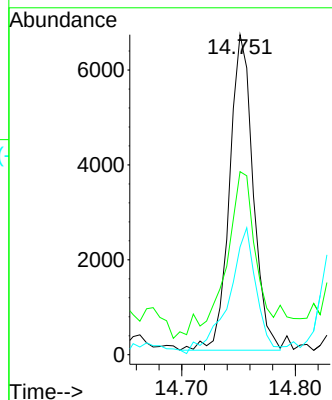
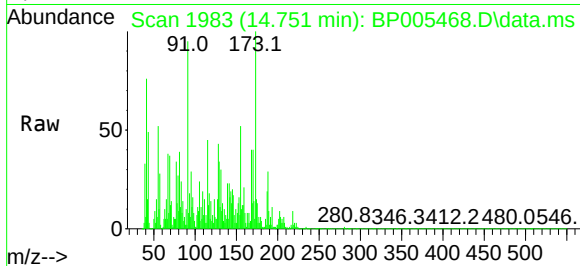




#55
Dibenzenofuran
Concen: 2.23 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

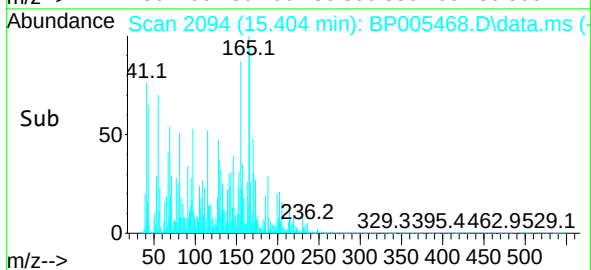
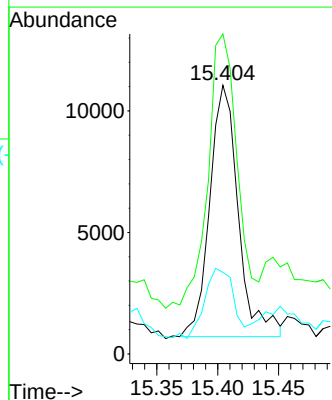
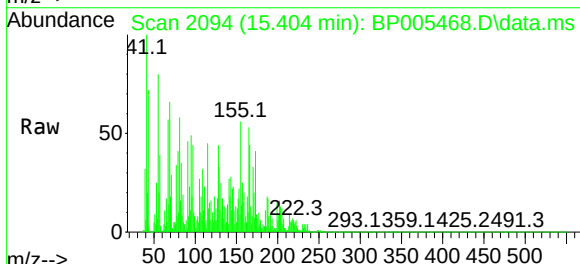
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

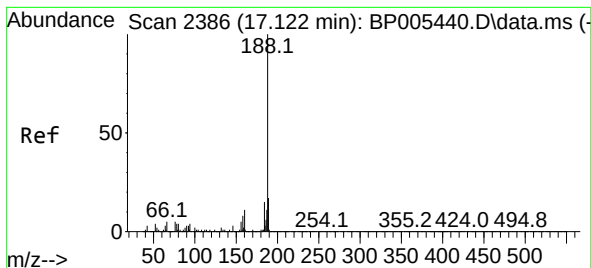
Tgt Ion:168 Resp: 9603
Ion Ratio Lower Upper
168 100
139 57.2 31.4 47.0#
169 33.7 11.4 17.0#



#58
Fluorene
Concen: 4.80 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:166 Resp: 16908
Ion Ratio Lower Upper
166 100
165 119.1 78.8 118.2#
167 30.3 10.9 16.3#

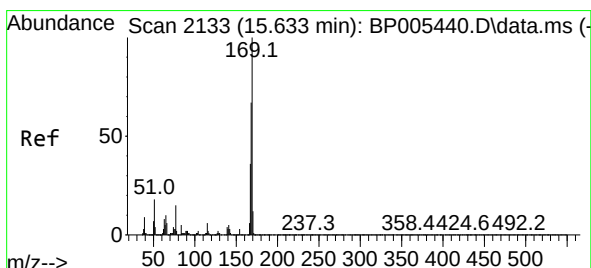
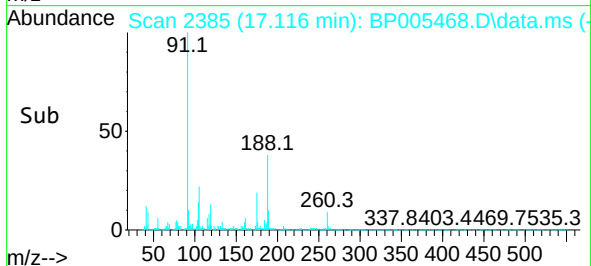
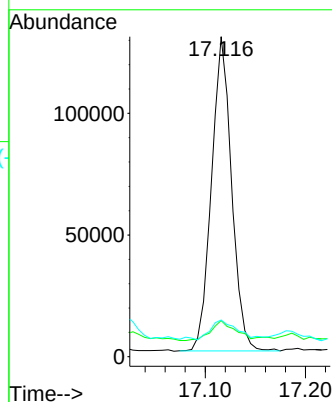
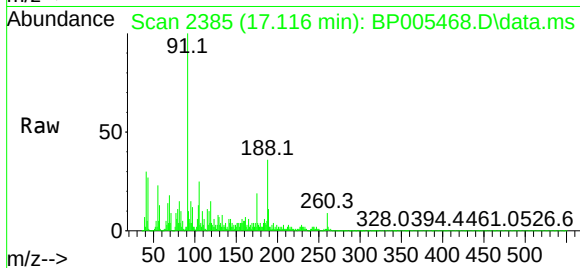




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.116 min Scan# 2385
Delta R.T. 0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

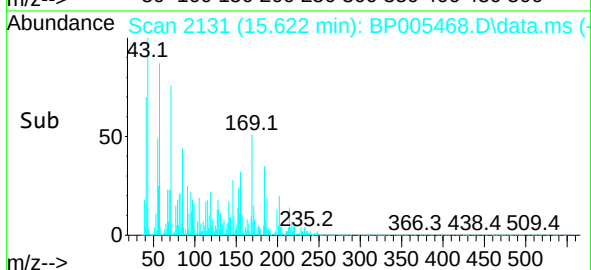
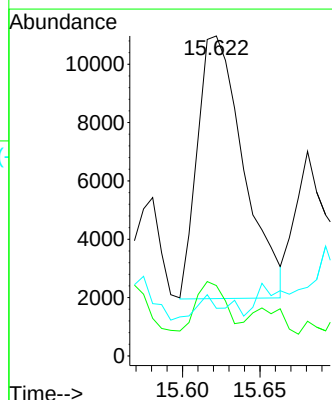
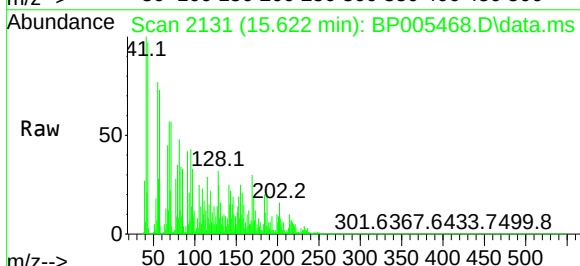
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

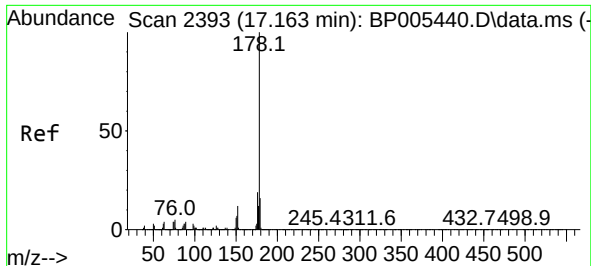
Tgt Ion:188 Resp: 180046
Ion Ratio Lower Upper
188 100
94 11.3 5.0 7.6#
80 11.5 5.9 8.9#



#66
n-Nitrosodiphenylamine
Concen: 3.54 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:169 Resp: 18610
Ion Ratio Lower Upper
169 100
168 22.0 55.2 82.8#
167 14.9 36.6 54.8#

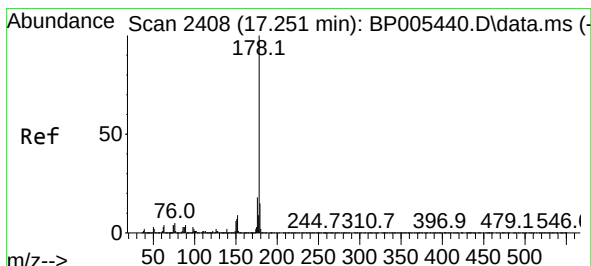
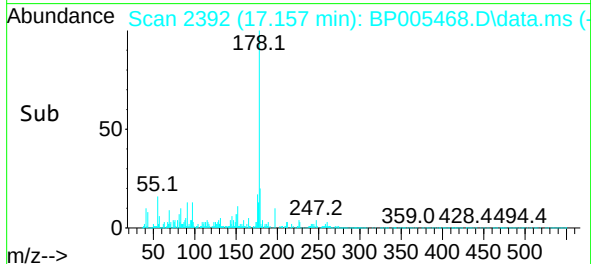
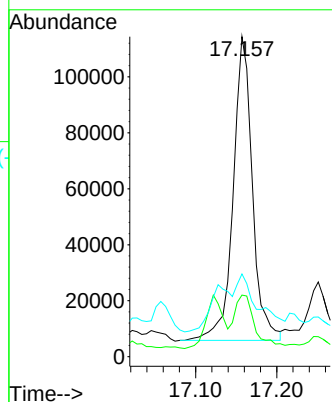
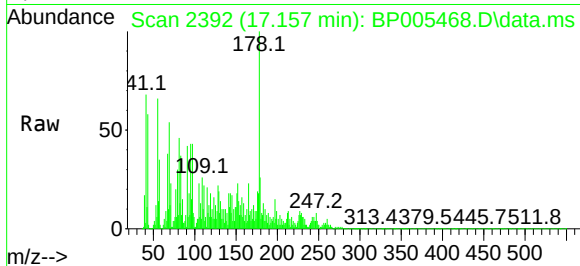




#71
Phenanthrene
Concen: 17.47 ng
RT: 17.157 min Scan# 2392
Delta R.T. 0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

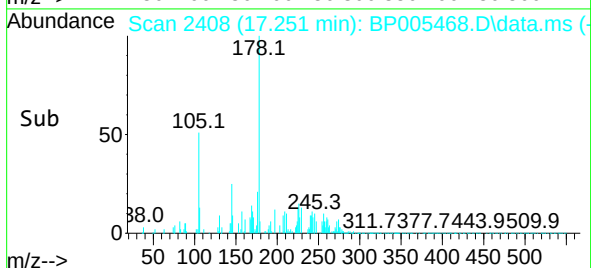
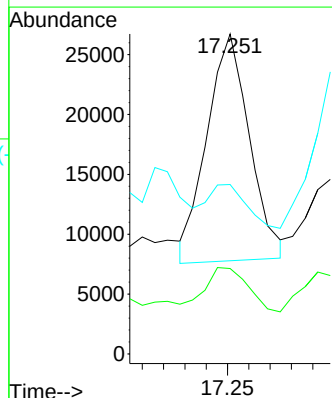
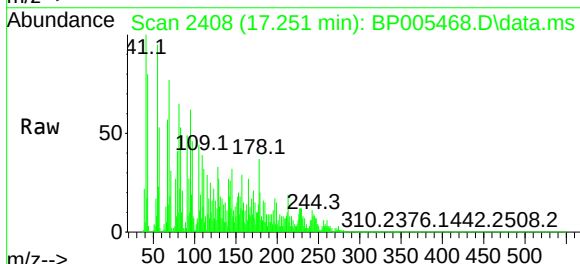
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

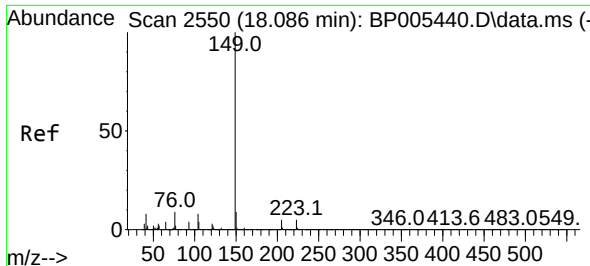
Tgt Ion:178 Resp: 178734
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 25.8 12.3 18.5#



#72
Anthracene
Concen: 2.59 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:178 Resp: 26344
Ion Ratio Lower Upper
178 100
176 26.7 15.2 22.8#
179 53.0 12.6 19.0#

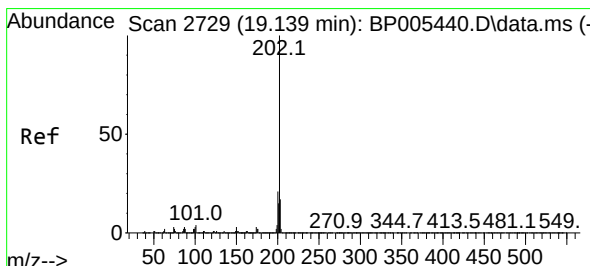
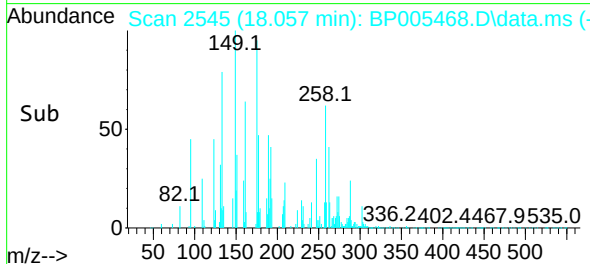
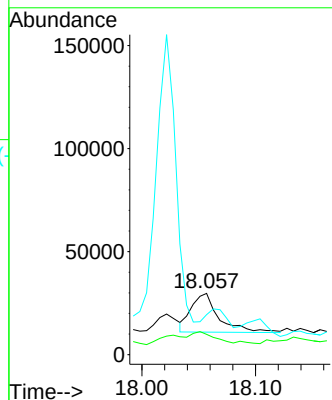
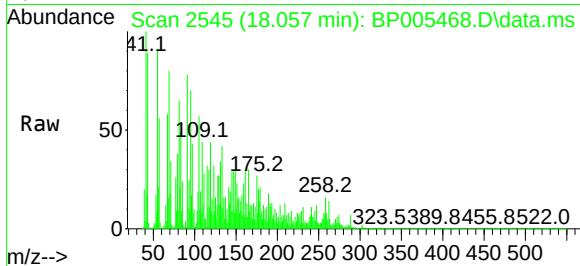




#74
Di-n-butylphthalate
Concen: 3.27 ng
RT: 18.057 min Scan# 2545
Delta R.T. -0.024 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

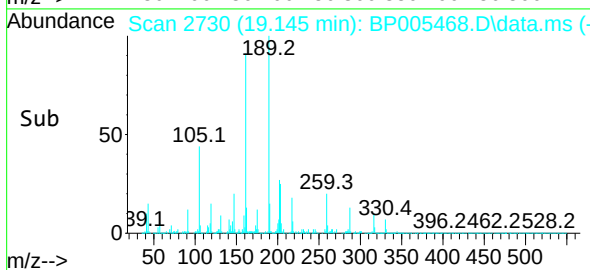
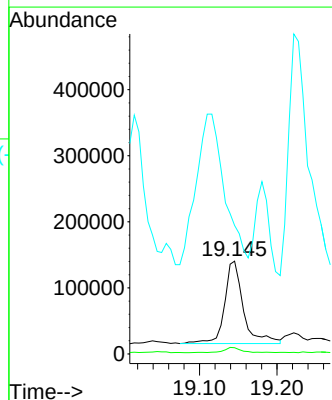
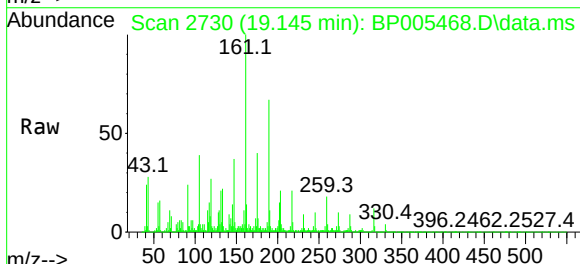
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

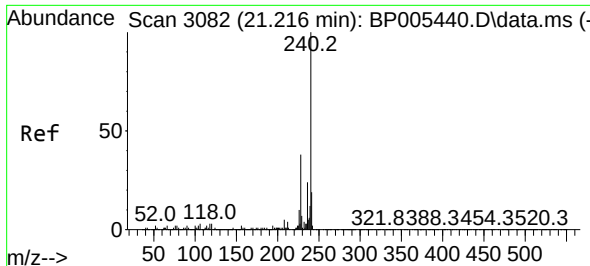
Tgt Ion:149 Resp: 32124
Ion Ratio Lower Upper
149 100
150 33.3 7.6 11.4#
104 65.3 8.9 13.3#



#75
Fluoranthene
Concen: 14.93 ng
RT: 19.145 min Scan# 2730
Delta R.T. 0.018 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:202 Resp: 210043
Ion Ratio Lower Upper
202 100
101 6.7 0.0 26.1
203 138.5 0.0 37.2#

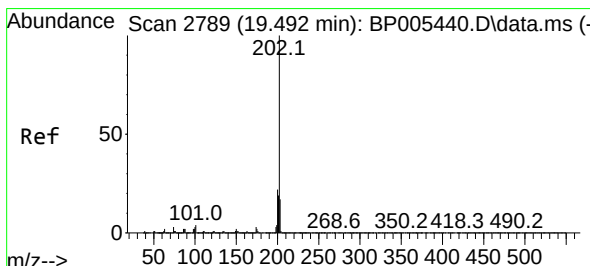
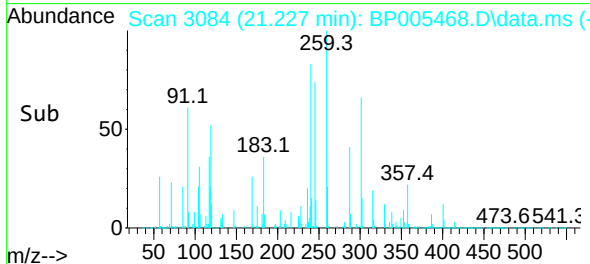
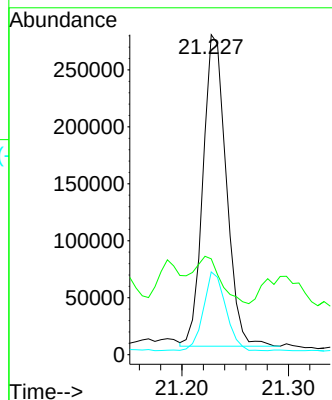
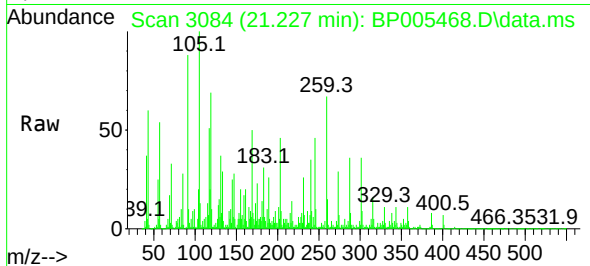




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3084
Delta R.T. 0.023 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

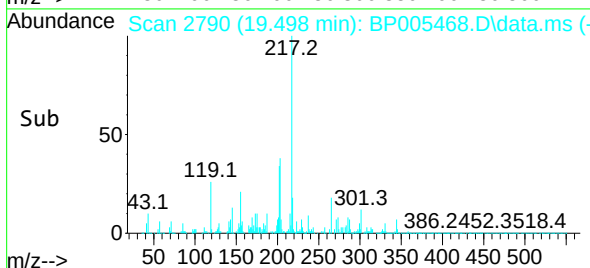
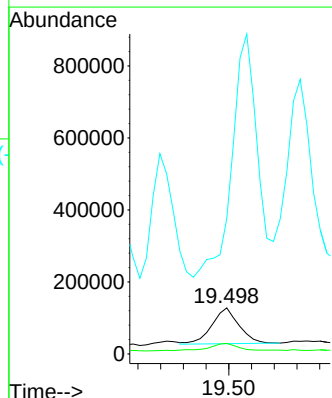
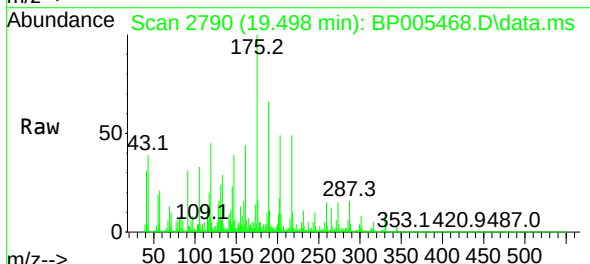
Instrument :
BNA_P
ClientSampled :
CFOS-SOIL

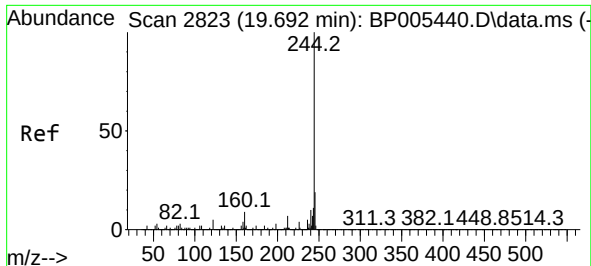
Tgt Ion:240 Resp: 414580
Ion Ratio Lower Upper
240 100
120 30.0 4.2 6.2#
236 25.9 20.2 30.2



#78
Pyrene
Concen: 6.98 ng
RT: 19.498 min Scan# 2790
Delta R.T. 0.018 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:202 Resp: 163745
Ion Ratio Lower Upper
202 100
200 23.1 16.9 25.3
203 293.7 13.8 20.6#

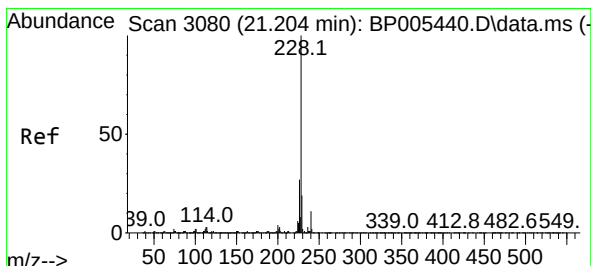
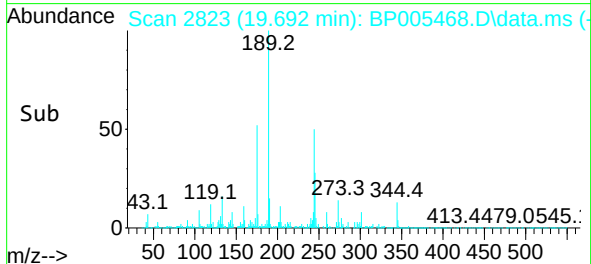
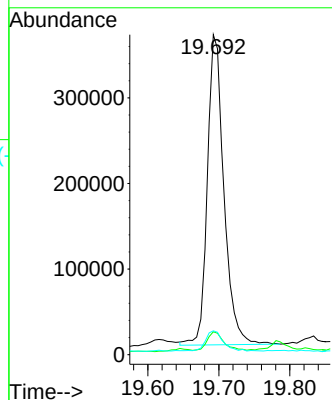
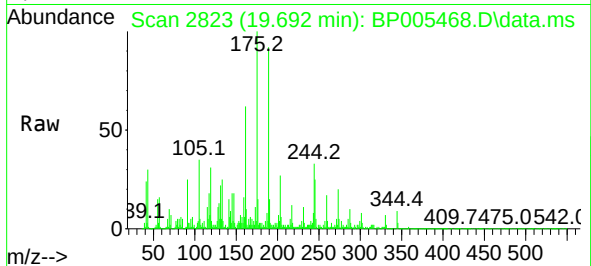




#79
 Terphenyl-d14
 Concen: 24.06 ng
 RT: 19.692 min Scan# 2823
 Delta R.T. 0.012 min
 Lab File: BP005468.D
 Acq: 10 May 2021 14:54

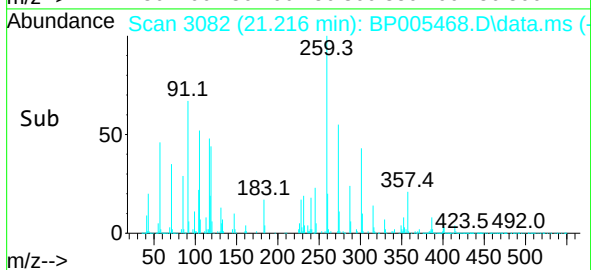
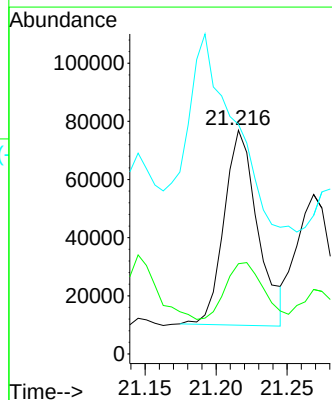
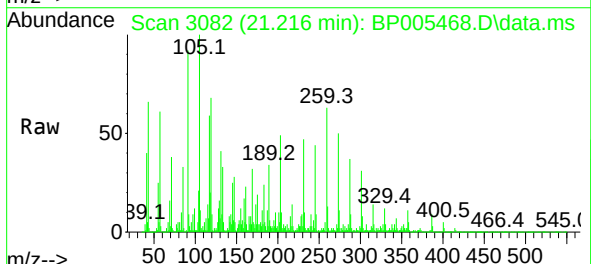
Instrument :
 BNA_P
 ClientSampleId :
 CFOS-SOIL

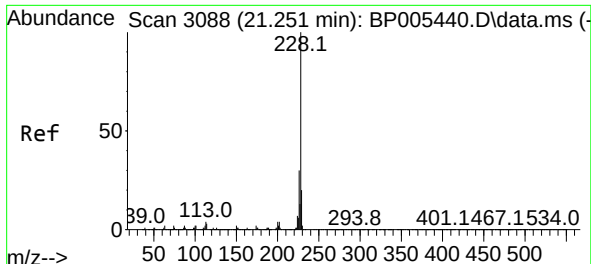
Tgt Ion:244 Resp: 587367
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 7.5 5.2 7.8



#81
 Benzo(a)anthracene
 Concen: 4.12 ng
 RT: 21.216 min Scan# 3082
 Delta R.T. 0.023 min
 Lab File: BP005468.D
 Acq: 10 May 2021 14:54

Tgt Ion:228 Resp: 110764
 Ion Ratio Lower Upper
 228 100
 226 40.3 21.2 31.8#
 229 102.7 15.6 23.4#

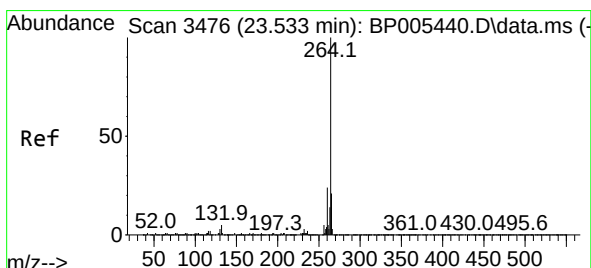
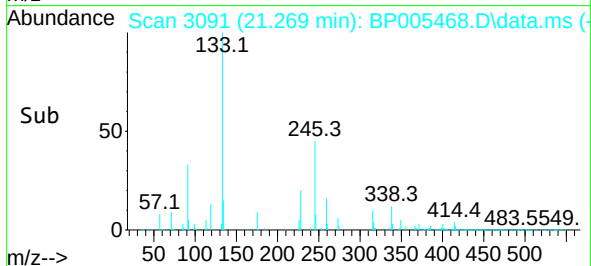
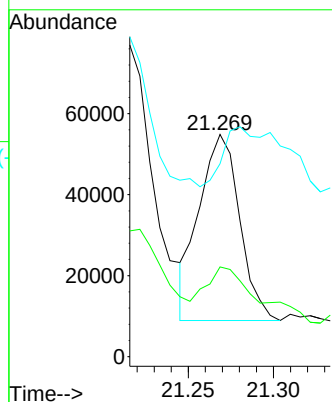
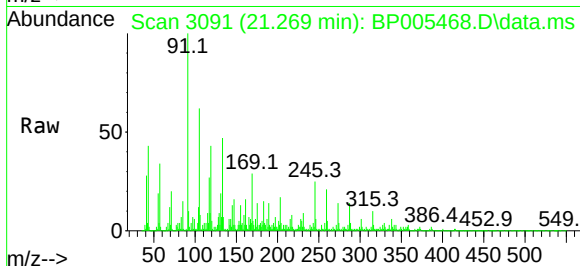




#83
Chrysene
Concen: 2.91 ng
RT: 21.269 min Scan# 3091
Delta R.T. 0.023 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

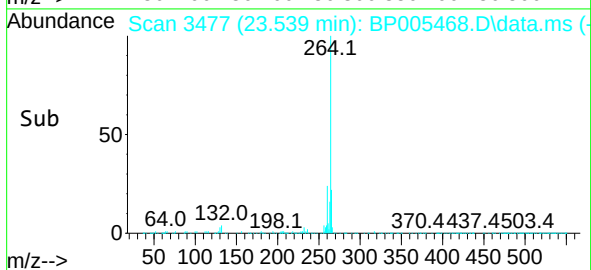
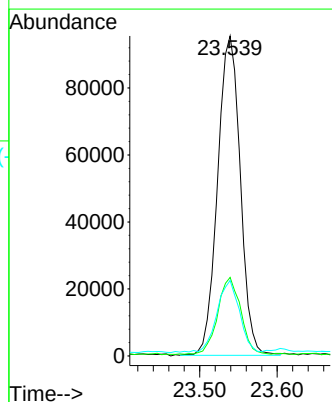
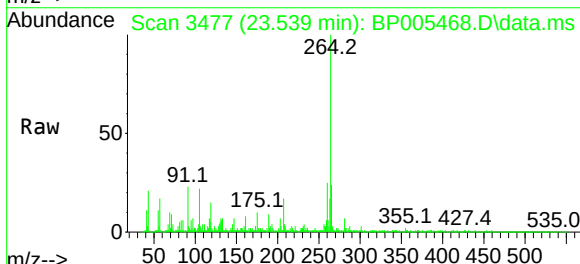
Instrument :
BNA_P
ClientSampleId :
CFOS-SOIL

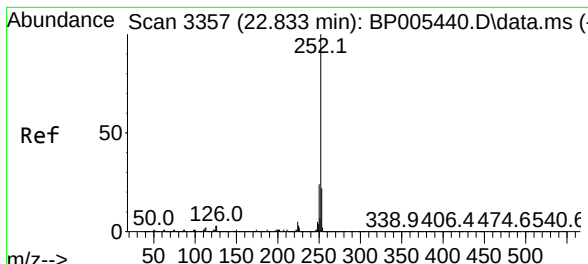
Tgt Ion:228 Resp: 75875
Ion Ratio Lower Upper
228 100
226 40.4 24.8 37.2#
229 86.9 15.4 23.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.539 min Scan# 3477
Delta R.T. 0.018 min
Lab File: BP005468.D
Acq: 10 May 2021 14:54

Tgt Ion:264 Resp: 193840
Ion Ratio Lower Upper
264 100
260 24.6 20.6 30.8
265 23.6 19.0 28.6

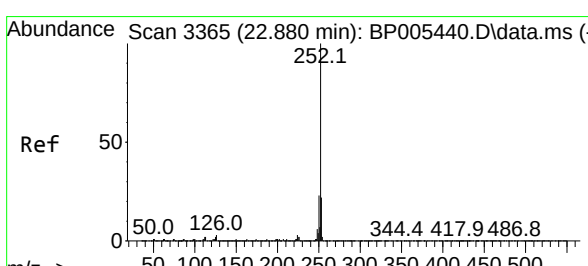
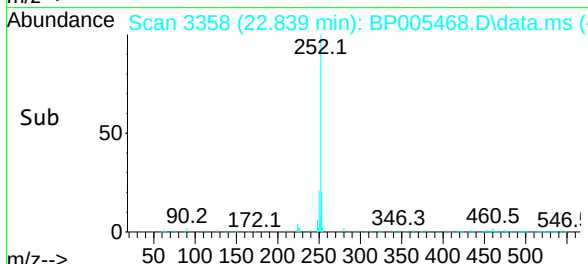
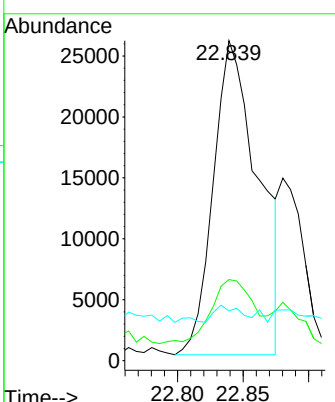
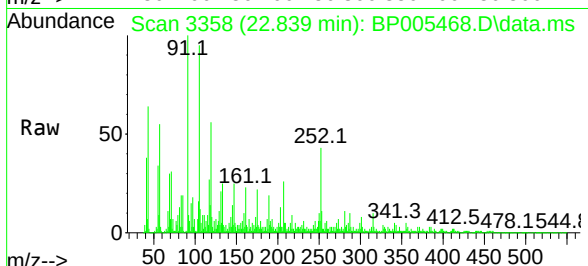




#88
 Benzo(b)fluoranthene
 Concen: 4.75 ng
 RT: 22.839 min Scan# 3358
 Delta R.T. 0.023 min
 Lab File: BP005468.D
 Acq: 10 May 2021 14:54

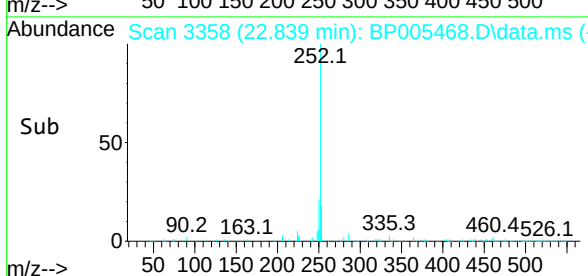
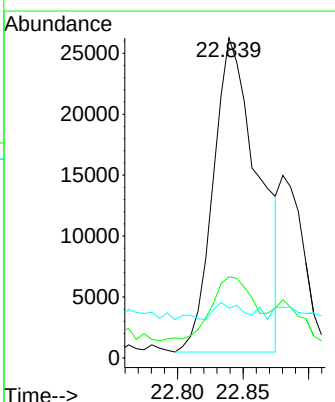
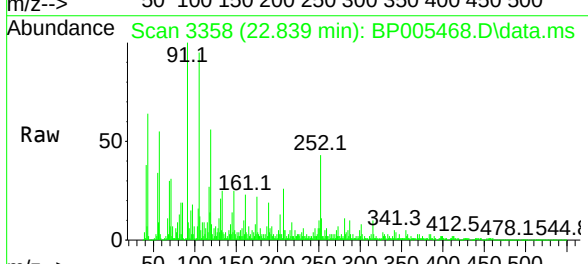
Instrument :
 BNA_P
 ClientSampled :
 CFOS-SOIL

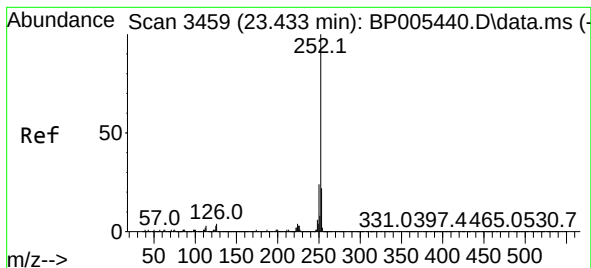
Tgt Ion:	252	Resp:	61398
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.2	27.2
125	15.6	3.4	5.0



#89
 Benzo(k)fluoranthene
 Concen: 4.86 ng
 RT: 22.839 min Scan# 3358
 Delta R.T. -0.024 min
 Lab File: BP005468.D
 Acq: 10 May 2021 14:54

Tgt Ion:	252	Resp:	61398
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.2	25.8
125	15.6	3.8	5.6





#90

Benzo(a)pyrene

Concen: 3.36 ng

RT: 23.433 min Scan# 3459

Delta R.T. 0.012 min

Lab File: BP005468.D

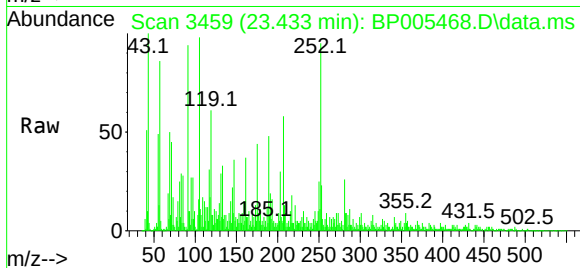
Acq: 10 May 2021 14:54

Instrument :

BNA_P

ClientSampleId :

CFOS-SOIL



Tgt Ion:	252	Resp:	39826
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.1	25.7
125	10.9	3.8	5.6#

