

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102320\
 Data File : BF122099.D
 Acq On : 23 Oct 2020 15:16
 Operator : JU/CG
 Sample : L4486-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MS-SOIL

Quant Time: Oct 23 15:50:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

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

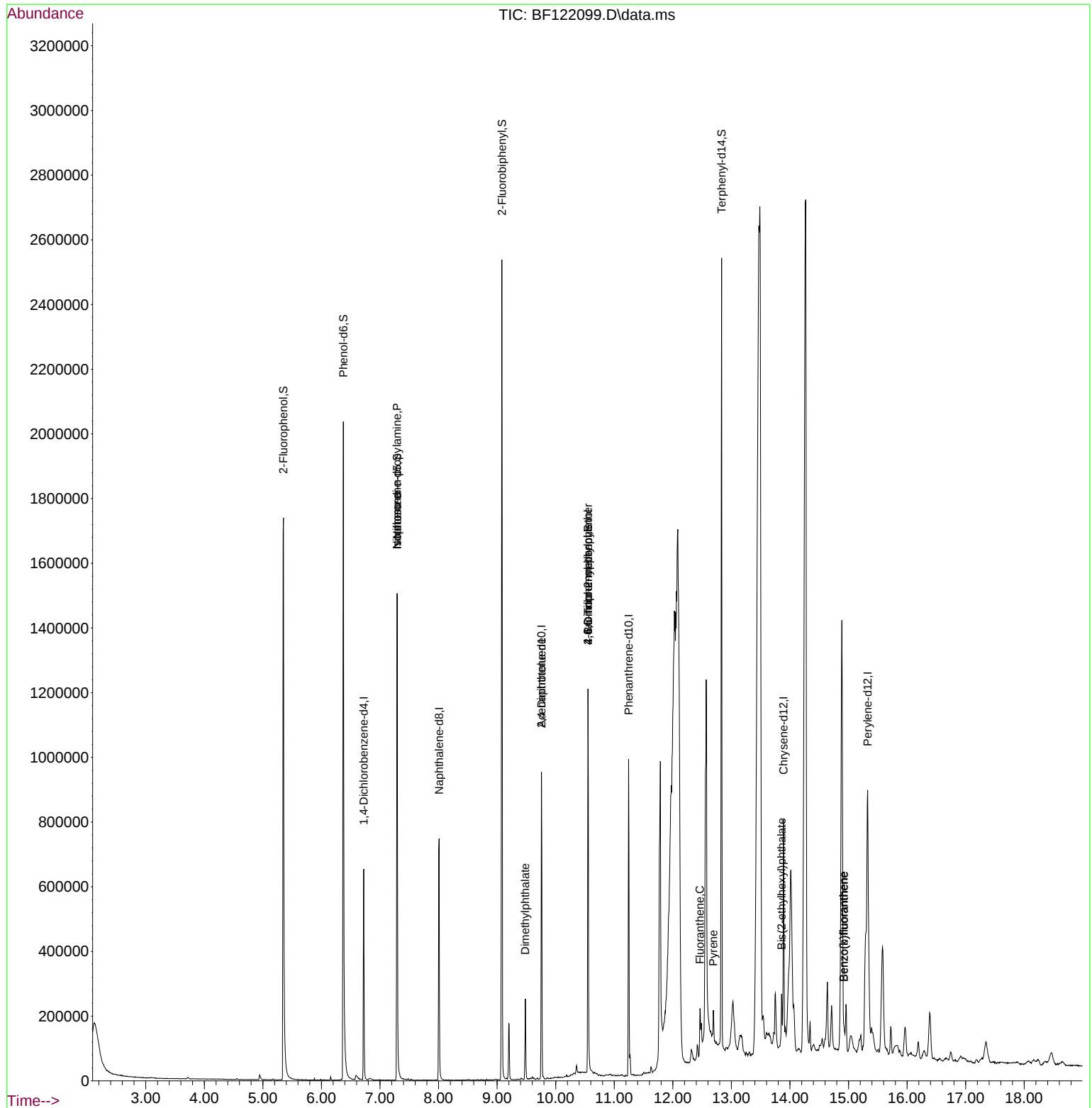
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	94028	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	370144	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	188399	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	344853	20.00	ng	0.00
76) Chrysene-d12	13.892	240	231376	20.00	ng	0.00
86) Perylene-d12	15.327	264	203350	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	577421	90.63	ng	0.00
7) Phenol-d6	6.375	99	724317	88.32	ng	0.00
23) Nitrobenzene-d5	7.292	82	494592	68.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	148827	63.86	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	797617	62.29	ng	0.00
79) Terphenyl-d14	12.833	244	706846	58.22	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	1057	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.292	70	65567	14.04	ng	# 79
25) Isophorone	7.292	82	487387	35.71	ng	# 67
50) Dimethylphthalate	9.481	163	98341	7.14	ng	99
57) 2,4-Dinitrotoluene	9.757	165	24075	6.47	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.551	198	184	4.51	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	8458	2.12	ng	# 1
75) Fluoranthene	12.463	202	43791	2.16	ng	98
78) Pyrene	12.692	202	37196	2.11	ng	99
84) Bis(2-ethylhexyl)phtha...	13.857	149	33978	3.58	ng	97
88) Benzo(b)fluoranthene	14.921	252	28846	2.10	ng	# 93
89) Benzo(k)fluoranthene	14.921	252	28846	2.21	ng	# 92

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

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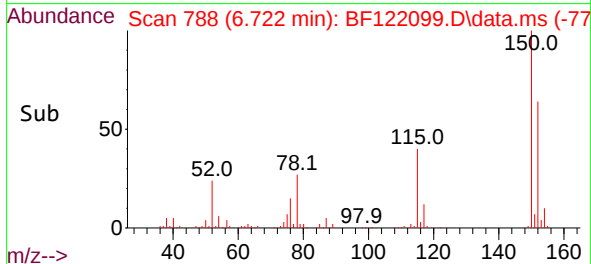
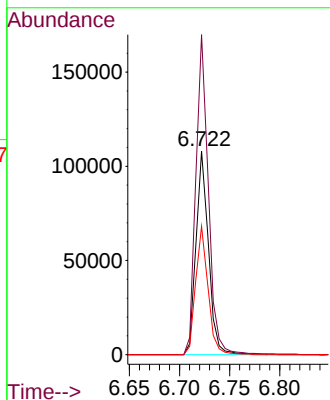
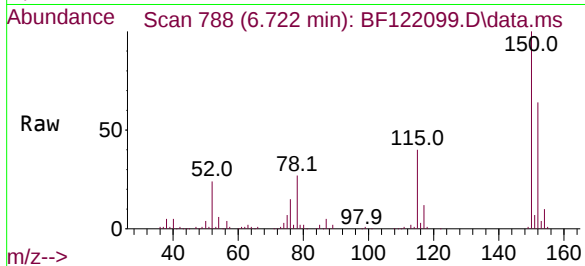




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

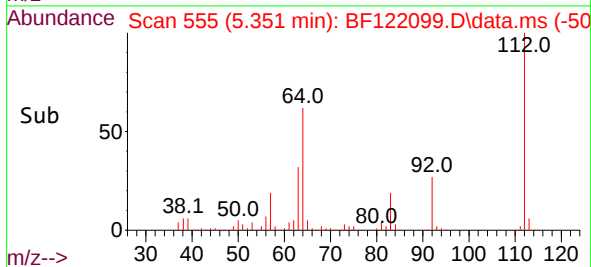
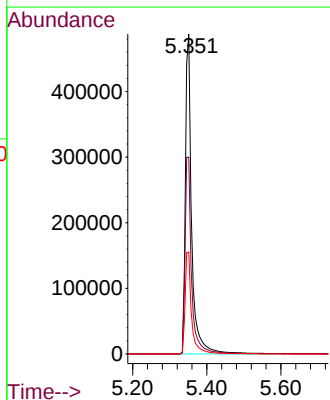
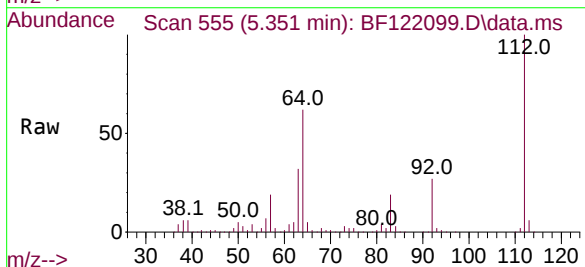
Instrument :
BNA_F
ClientSampleId :
MS-SOIL

Tgt Ion:152 Resp: 94028
Ion Ratio Lower Upper
152 100
150 157.2 125.3 187.9
115 63.0 51.9 77.9



#5
2-Fluorophenol
Concen: 90.63 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:112 Resp: 577421
Ion Ratio Lower Upper
112 100
64 61.5 50.4 75.6
63 31.8 25.8 38.6

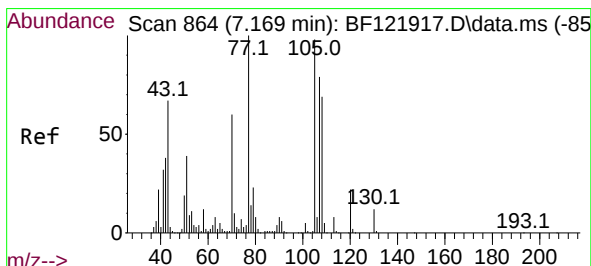
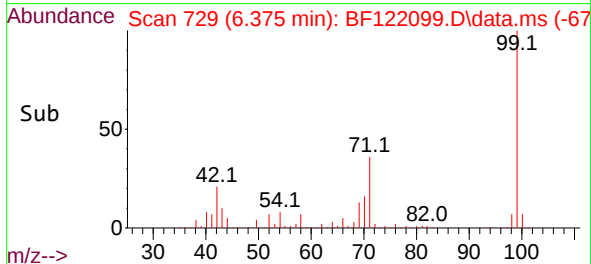
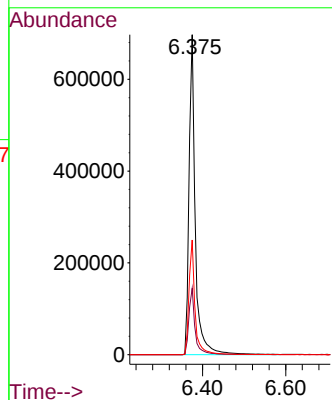
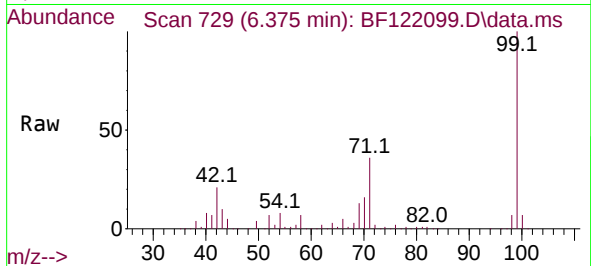




#7
Phenol-d6
Concen: 88.32 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

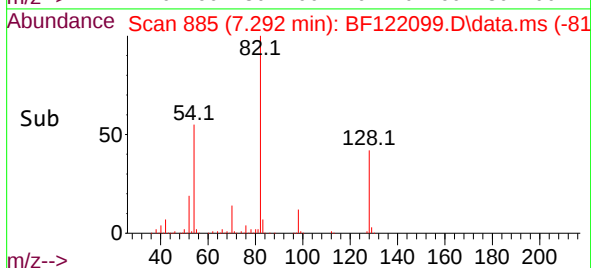
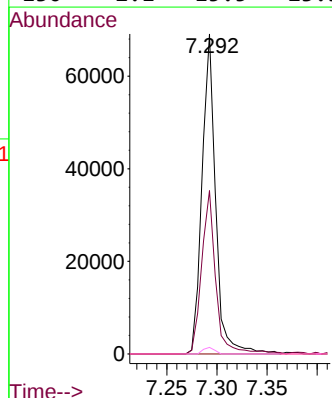
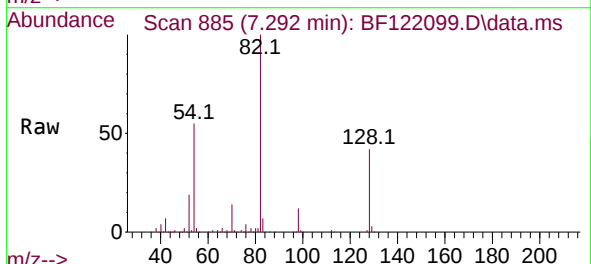
Instrument :
BNA_F
ClientSampleId :
MS-SOIL

Tgt Ion: 99 Resp: 724317
Ion Ratio Lower Upper
99 100
42 20.8 15.9 23.9
71 35.9 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.04 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion: 70 Resp: 65567
Ion Ratio Lower Upper
70 100
42 51.1 50.2 75.4
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



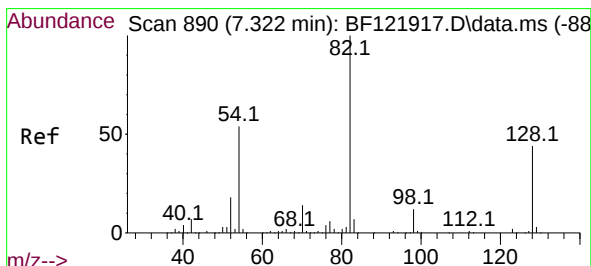
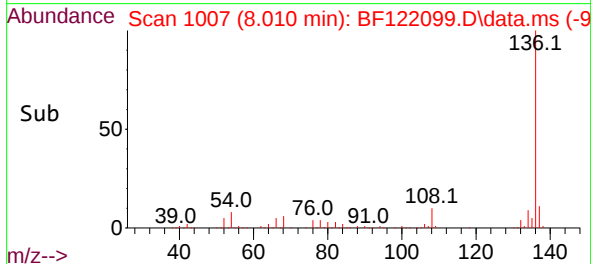
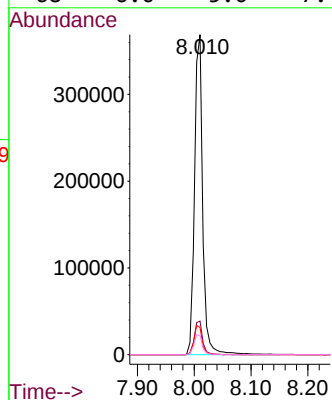
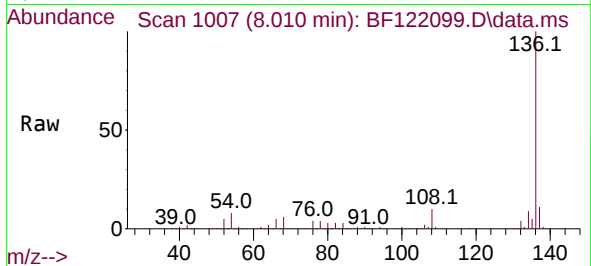


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Instrument :
BNA_F
ClientSampleId :
MS-SOIL

Tgt Ion:136 Resp: 370144

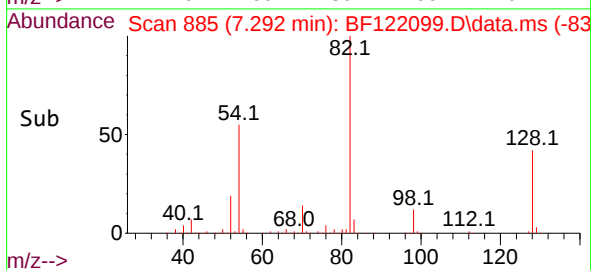
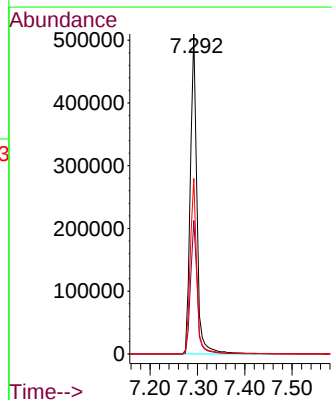
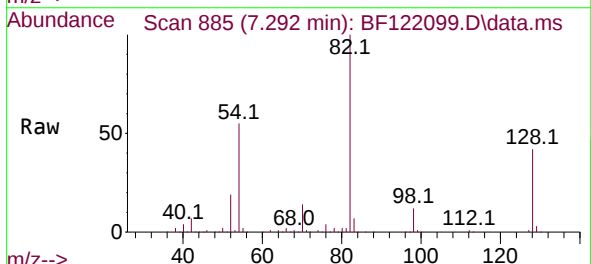
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.4	7.1	10.7
68	6.0	5.0	7.4



#23
Nitrobenzene-d5
Concen: 68.53 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion: 82 Resp: 494592

Ion	Ratio	Lower	Upper
82	100		
128	41.7	35.0	52.4
54	54.9	43.9	65.9

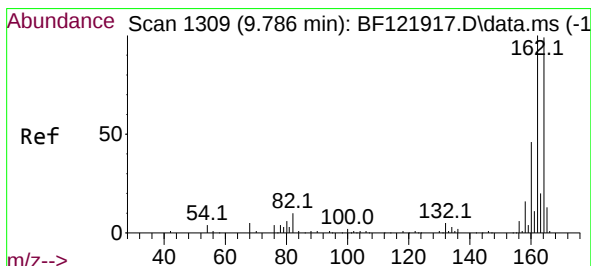
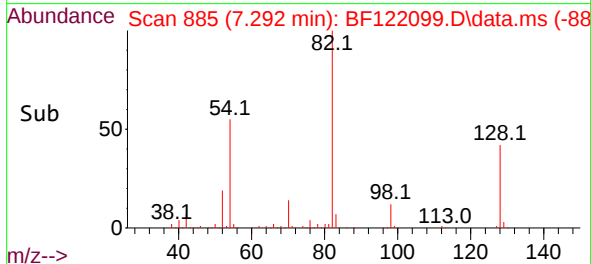
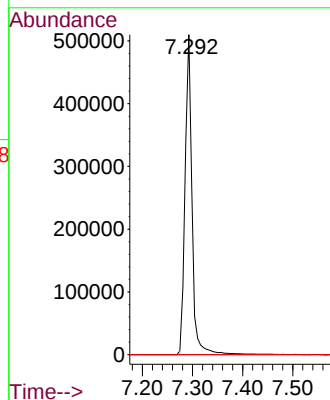
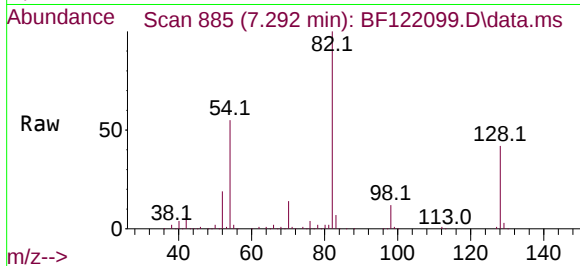




#25
Isophorone
Concen: 35.71 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

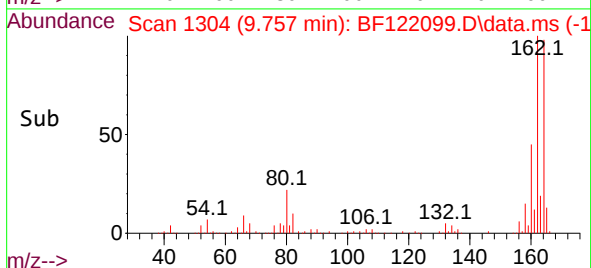
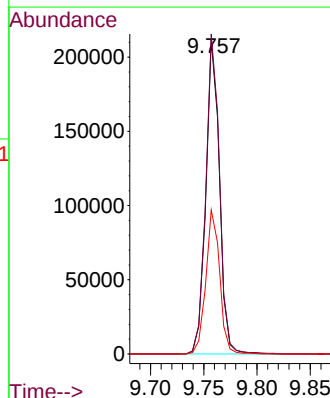
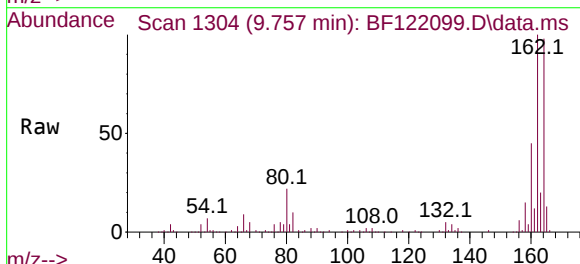
Instrument :
BNA_F
ClientSampleId :
MS-SOIL

Tgt Ion: 82 Resp: 487387
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:164 Resp: 188399
Ion Ratio Lower Upper
164 100
162 101.9 83.2 124.8
160 45.9 37.5 56.3

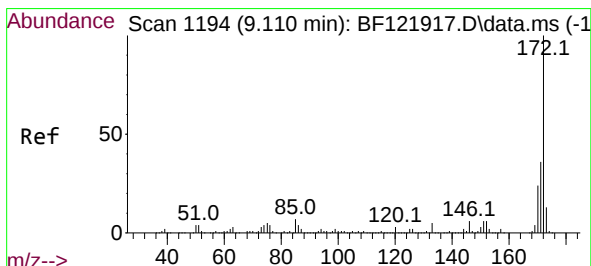
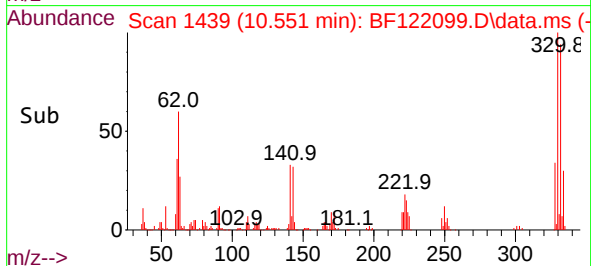
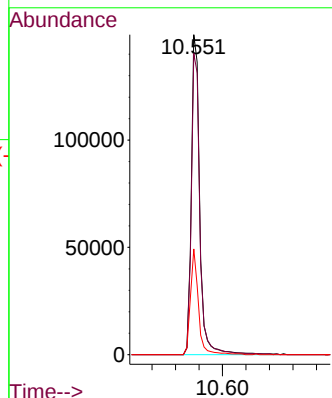
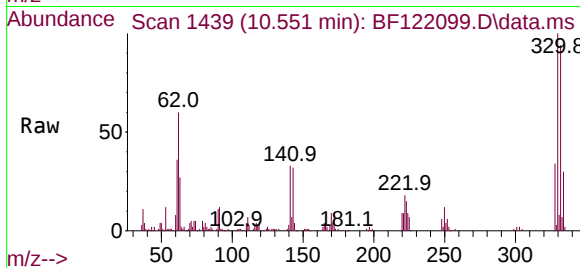




#42
2,4,6-Tribromophenol
Concen: 63.86 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

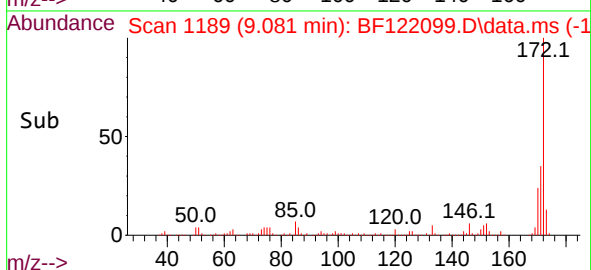
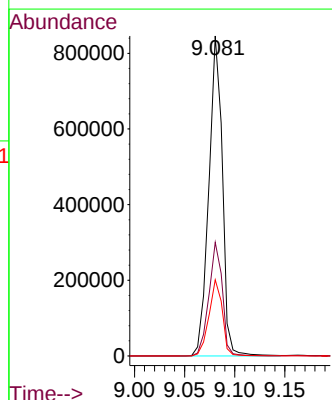
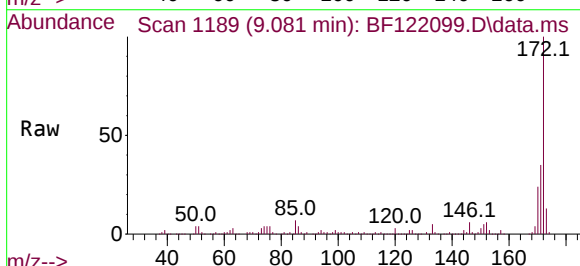
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ClientSampleId :
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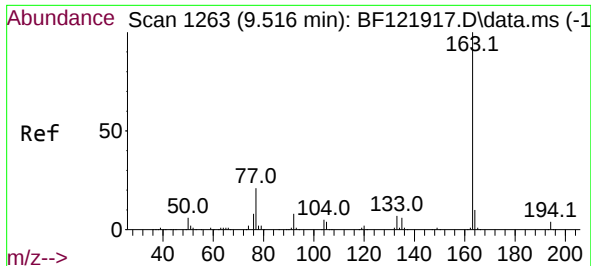
Tgt Ion:330 Resp: 148827
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 31.3 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 62.29 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:172 Resp: 797617
Ion Ratio Lower Upper
172 100
171 35.5 29.1 43.7
170 23.8 19.8 29.6

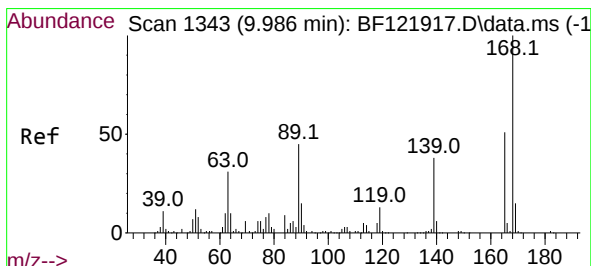
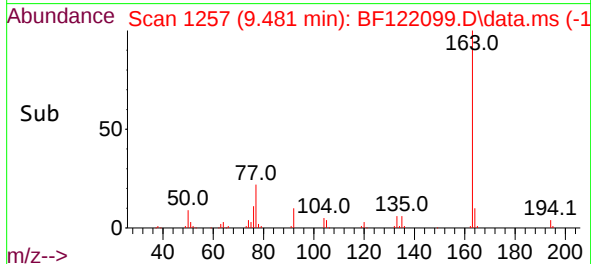
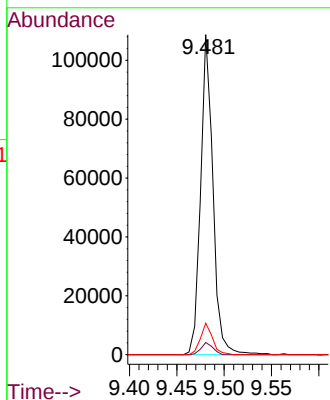
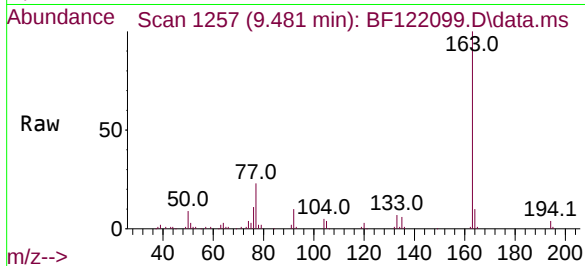




#50
Dimethylphthalate
Concen: 7.14 ng
RT: 9.481 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

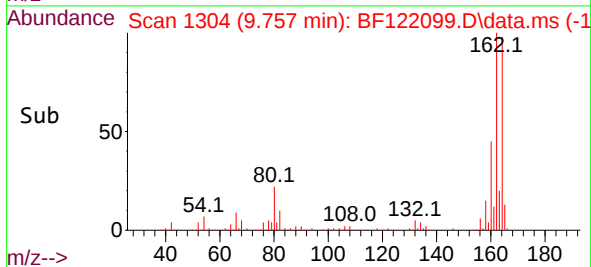
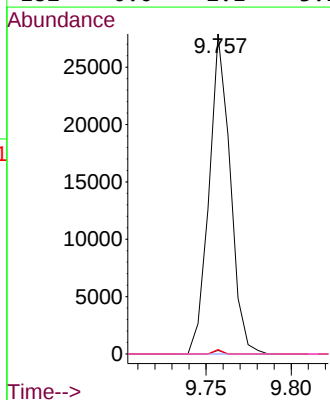
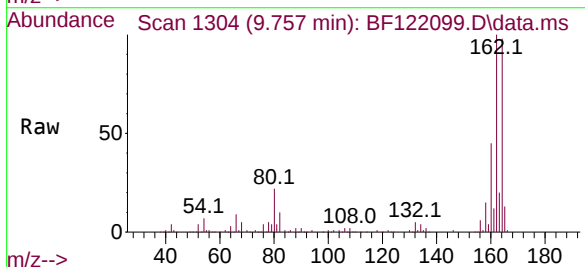
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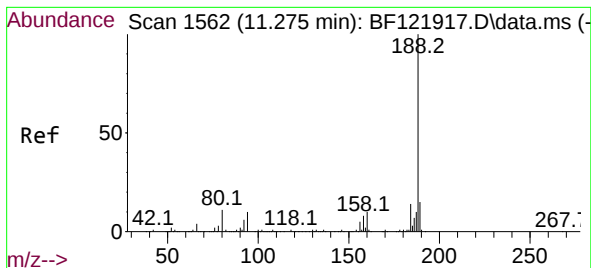
Tgt Ion:163 Resp: 98341
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.9 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.47 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:165 Resp: 24075
Ion Ratio Lower Upper
165 100
63 1.1 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#

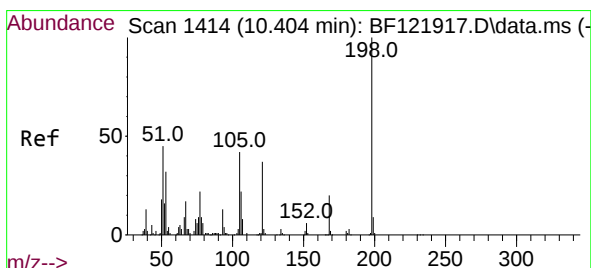
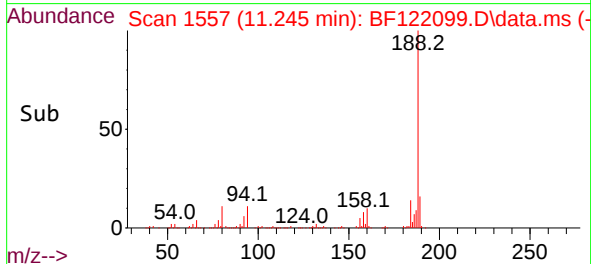
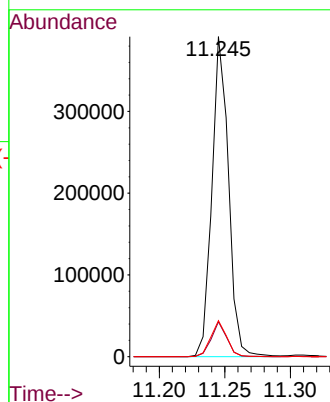
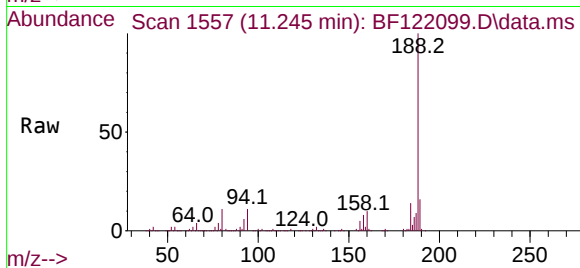




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

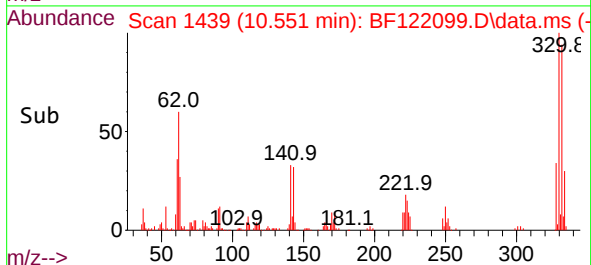
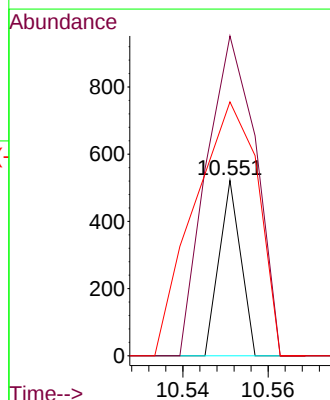
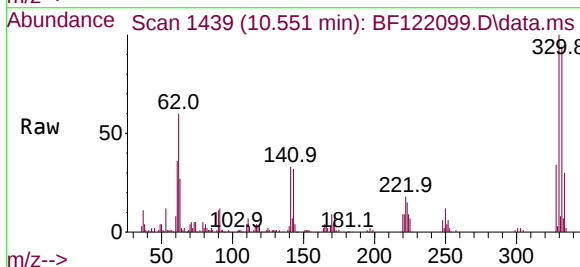
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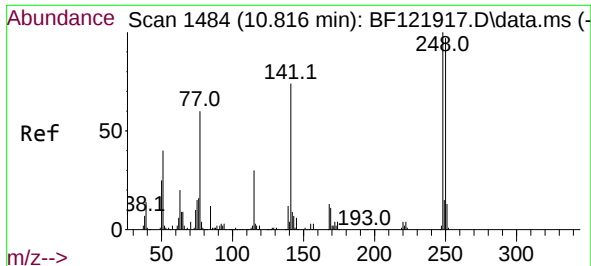
Tgt Ion:188 Resp: 344853
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.2 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.51 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.165 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:198 Resp: 184
Ion Ratio Lower Upper
198 100
51 182.4 29.6 69.6#
105 144.8 24.4 64.4#

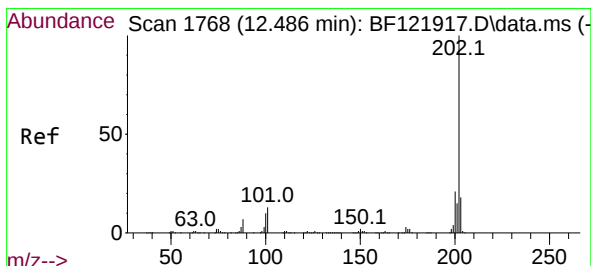
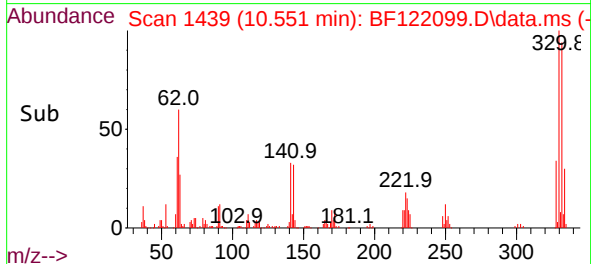
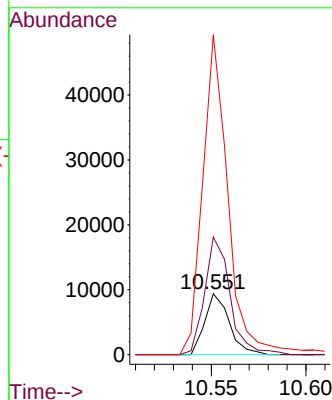
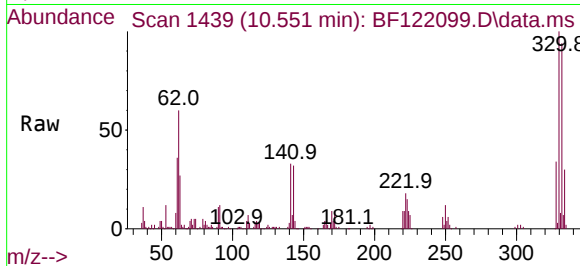




#67
4-Bromophenyl-phenylether
Concen: 2.12 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.241 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

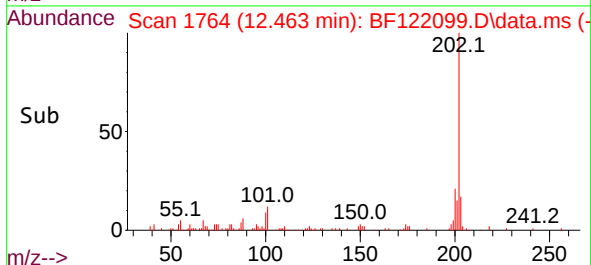
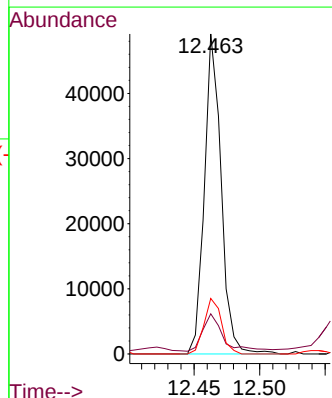
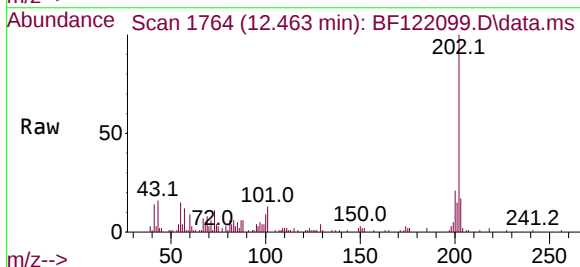
Instrument :
BNA_F
ClientSampled :
MS-SOIL

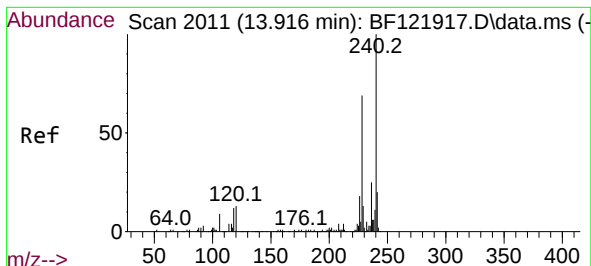
Tgt Ion:248 Resp: 8458
Ion Ratio Lower Upper
248 100
250 192.7 77.0 115.6#
141 524.4 53.7 80.5#



#75
Fluoranthene
Concen: 2.16 ng
RT: 12.463 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:202 Resp: 43791
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.4
203 17.3 0.0 37.9

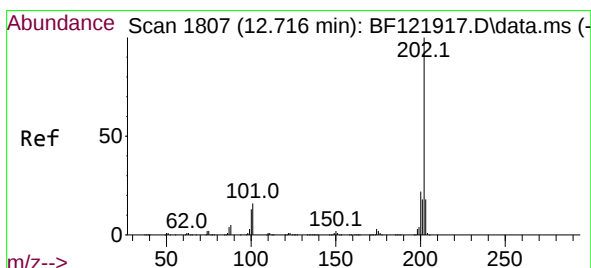
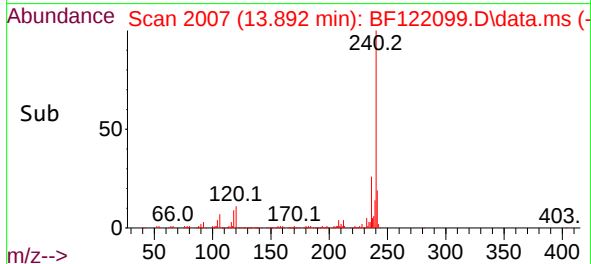
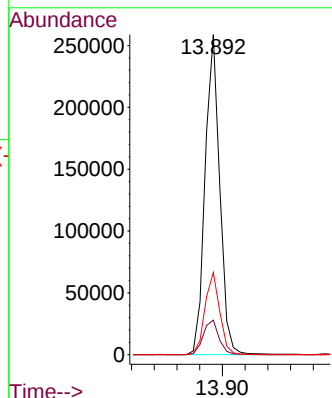
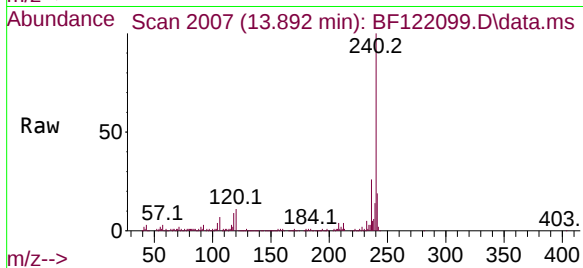




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

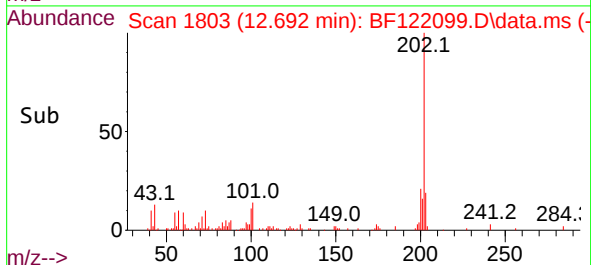
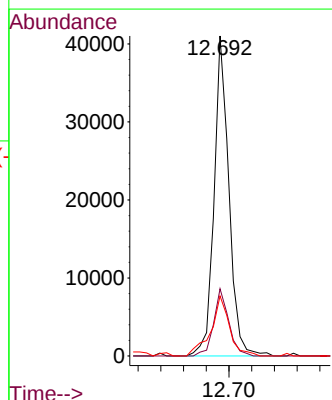
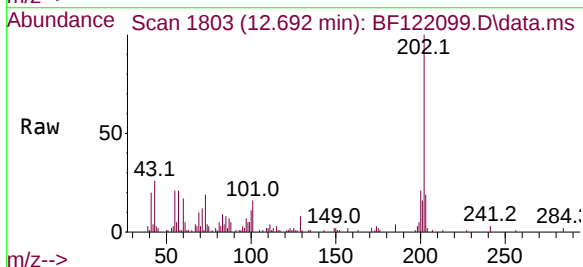
Instrument :
BNA_F
ClientSampleId :
MS-SOIL

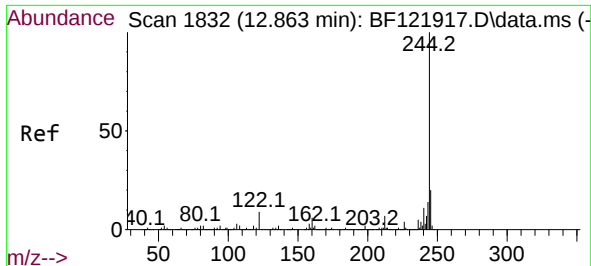
Tgt Ion:240 Resp: 231376
Ion Ratio Lower Upper
240 100
120 10.8 9.2 13.8
236 25.7 20.9 31.3



#78
Pyrene
Concen: 2.11 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.006 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:202 Resp: 37196
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 18.8 14.6 21.8

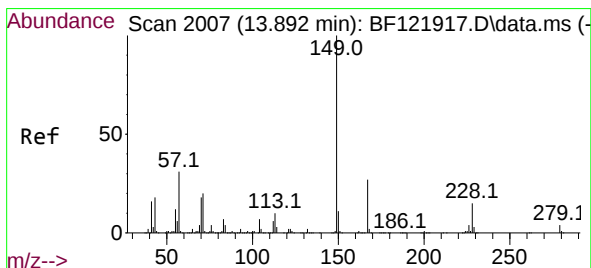
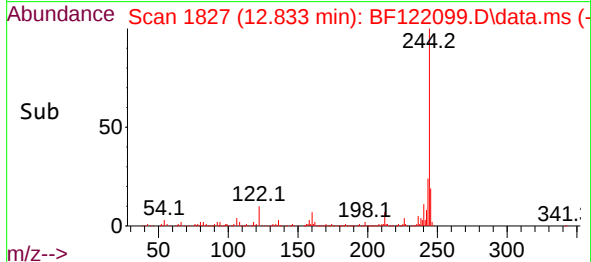
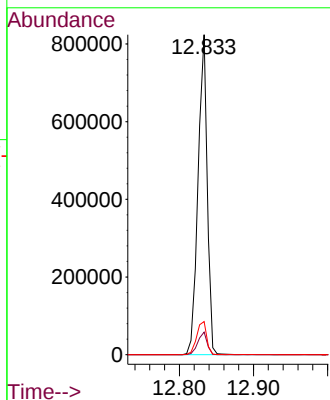
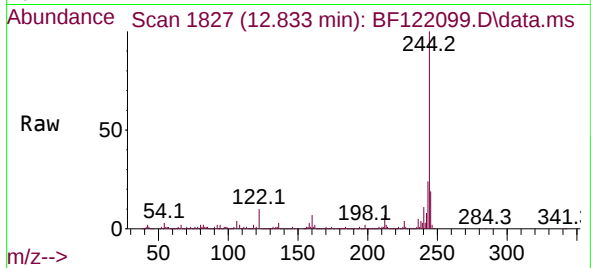




#79
 Terphenyl-d14
 Concen: 58.22 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.000 min
 Lab File: BF122099.D
 Acq: 23 Oct 2020 15:16

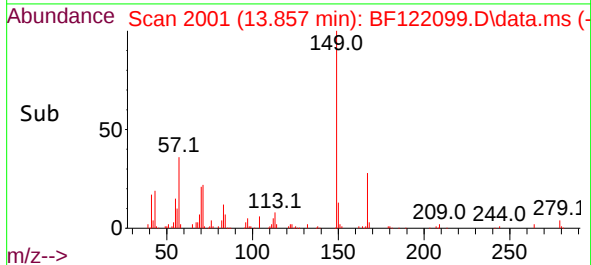
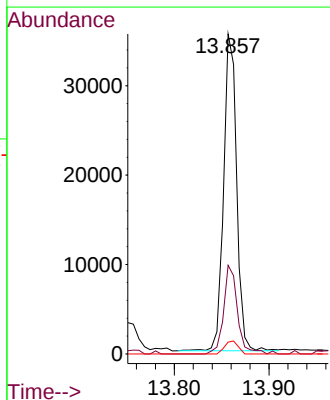
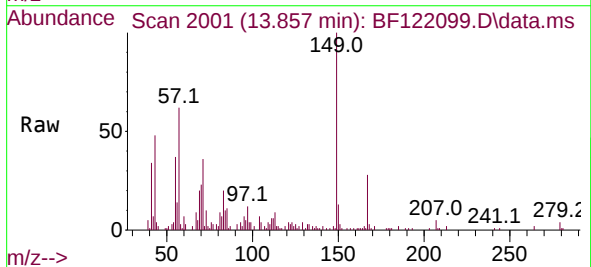
Instrument :
 BNA_F
 ClientSampleId :
 MS-SOIL

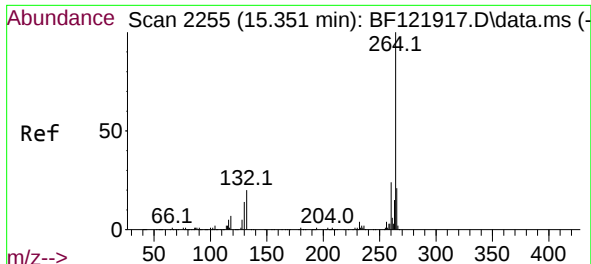
Tgt Ion:244 Resp: 706846
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.4 8.1 12.1



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.58 ng
 RT: 13.857 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: BF122099.D
 Acq: 23 Oct 2020 15:16

Tgt Ion:149 Resp: 33978
 Ion Ratio Lower Upper
 149 100
 167 27.7 20.9 31.3
 279 3.7 3.2 4.8

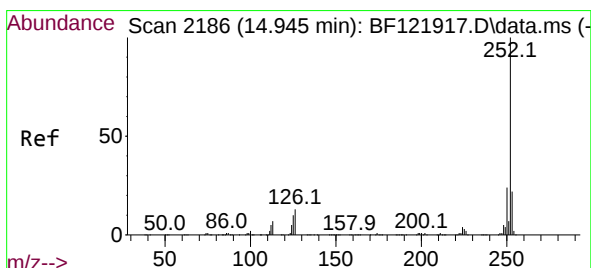
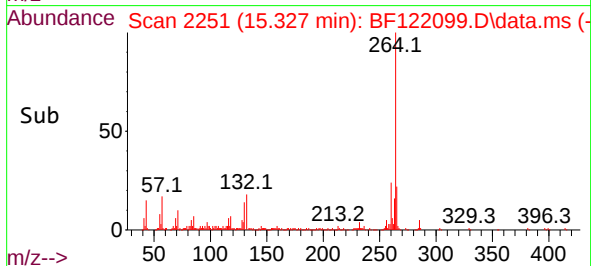
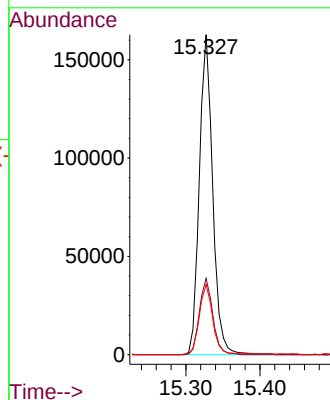
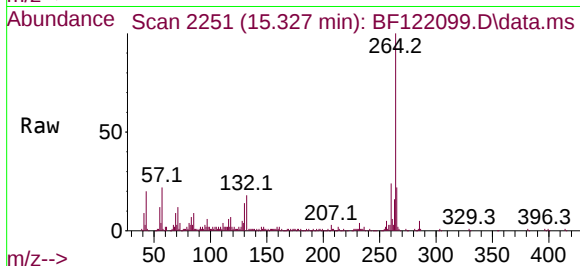




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.012 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

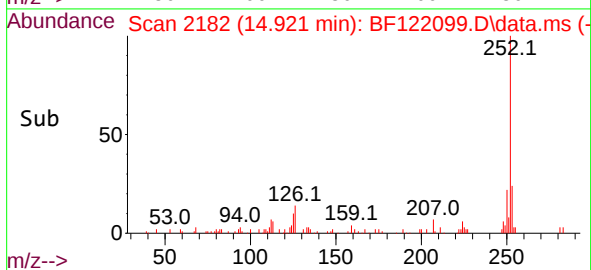
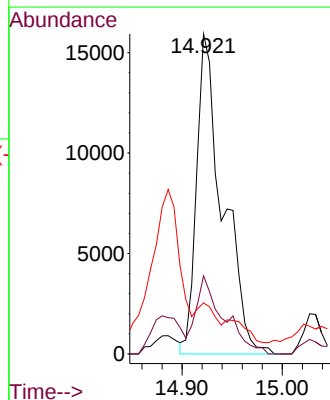
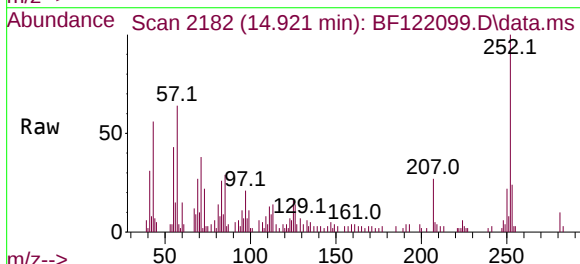
Instrument :
BNA_F
ClientSampleId :
MS-SOIL

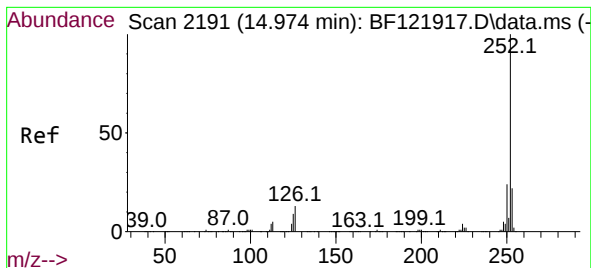
Tgt Ion:264 Resp: 203350
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.0 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.10 ng
RT: 14.921 min Scan# 2182
Delta R.T. 0.012 min
Lab File: BF122099.D
Acq: 23 Oct 2020 15:16

Tgt Ion:252 Resp: 28846
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 15.9 8.0 12.0#





#89

Benzo(k)fluoranthene

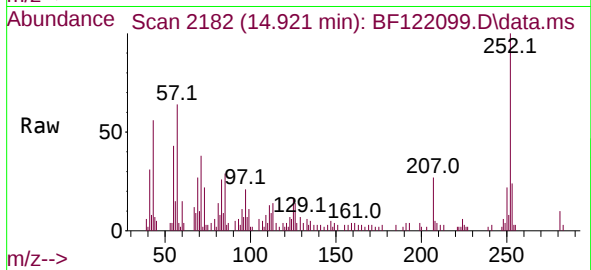
Concen: 2.21 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BF122099.D

Acq: 23 Oct 2020 15:16



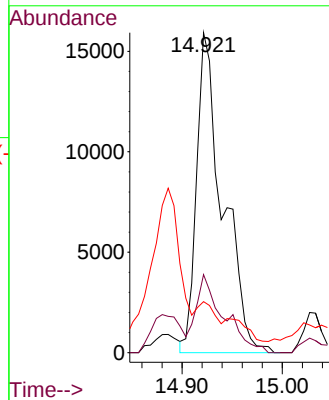
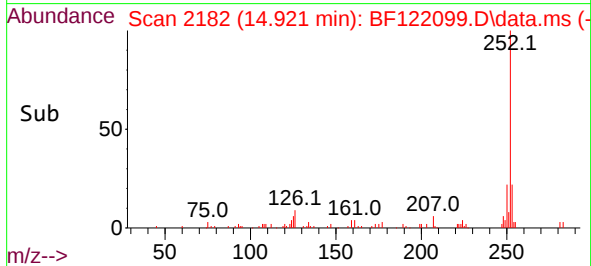
Tgt Ion:252 Resp: 28846

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 15.9 7.7 11.5#



Instrument :

BNA_F

ClientSampleId :

MS-SOIL