

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101620\
 Data File : BF122012.D
 Acq On : 16 Oct 2020 15:42
 Operator : JU/CG
 Sample : L4218-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101520

Quant Time: Oct 16 16:33:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

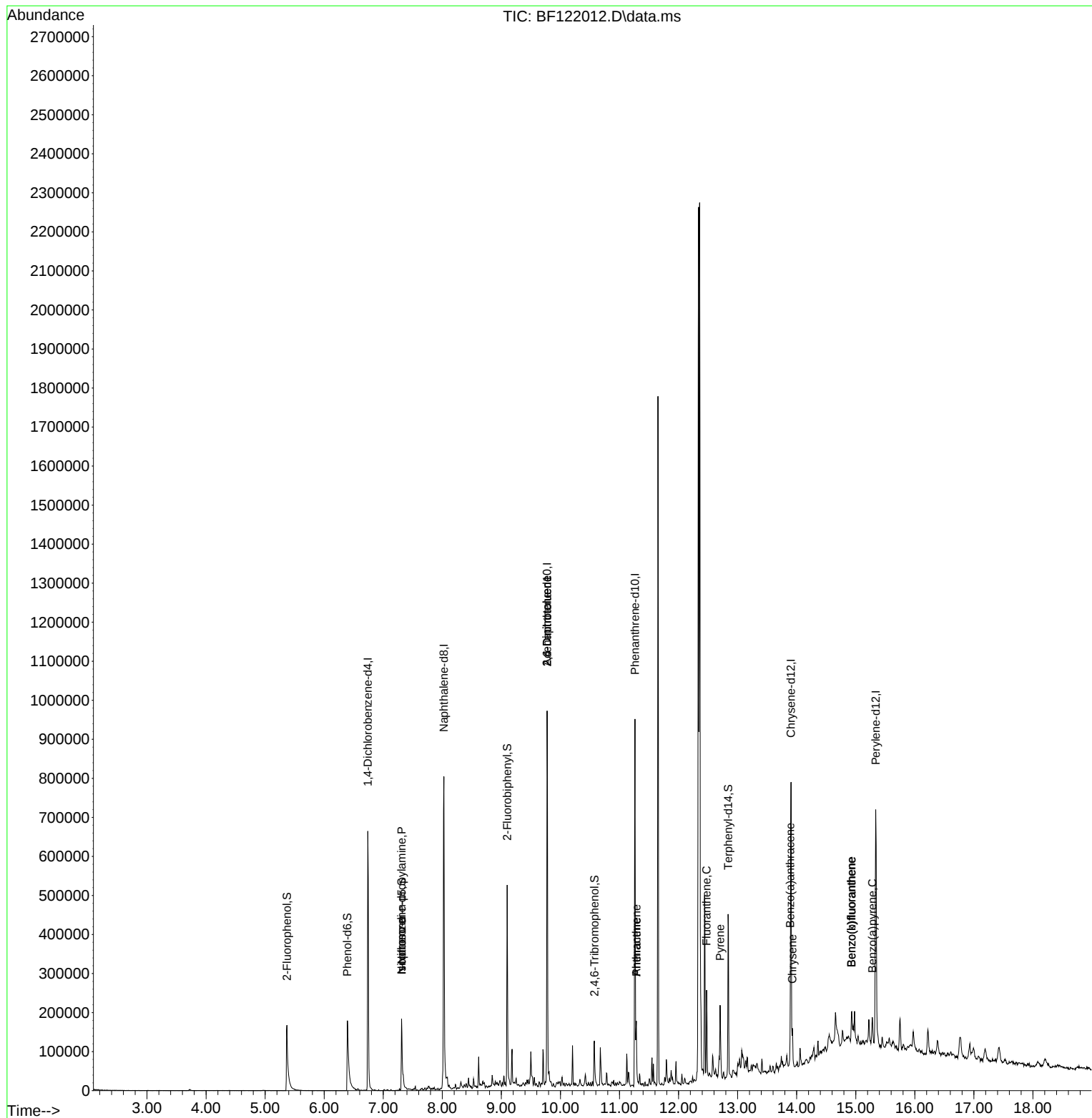
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	104045	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	409963	20.00	ng	0.00
39) Acenaphthene-d10	9.774	164	199917	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	331217	20.00	ng	0.00
76) Chrysene-d12	13.904	240	228183	20.00	ng	0.00
86) Perylene-d12	15.339	264	245250	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	94064	13.34	ng	0.00
7) Phenol-d6	6.392	99	125110	13.79	ng	0.00
23) Nitrobenzene-d5	7.310	82	84975	10.63	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	18658	7.54	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	170390	12.54	ng	0.00
79) Terphenyl-d14	12.839	244	125680	10.50	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	11595	2.24	ng	# 75
25) Isophorone	7.310	82	84974	5.62	ng	# 67
51) 2,6-Dinitrotoluene	9.774	165	26747	8.34	ng	# 21
57) 2,4-Dinitrotoluene	9.774	165	26747	6.78	ng	# 20
71) Phenanthrene	11.286	178	57321	3.16	ng	100
72) Anthracene	11.286	178	57321	3.04	ng	99
75) Fluoranthene	12.474	202	83394	4.28	ng	99
78) Pyrene	12.704	202	69179	3.98	ng	98
81) Benzo(a)anthracene	13.892	228	36583	2.45	ng	98
83) Chrysene	13.927	228	33010	2.25	ng	96
88) Benzo(b)fluoranthene	14.927	252	59342	3.58	ng	# 93
89) Benzo(k)fluoranthene	14.927	252	59342	3.77	ng	# 92
90) Benzo(a)pyrene	15.280	252	31325	2.19	ng	# 94

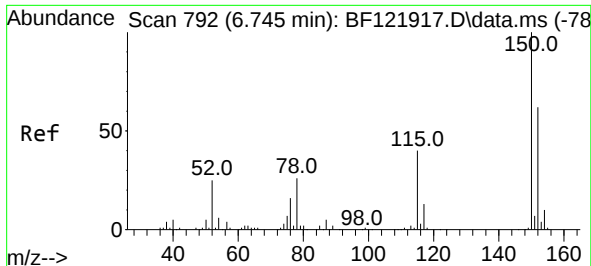
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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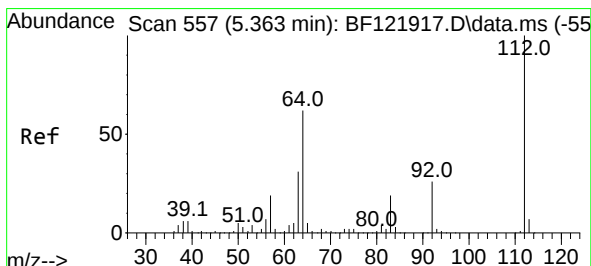
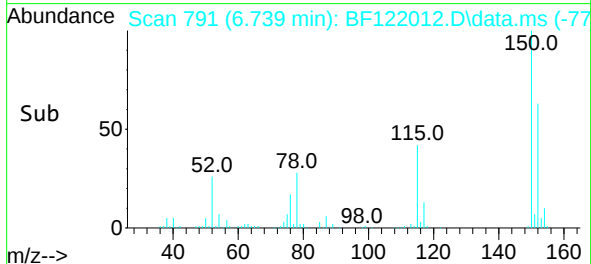
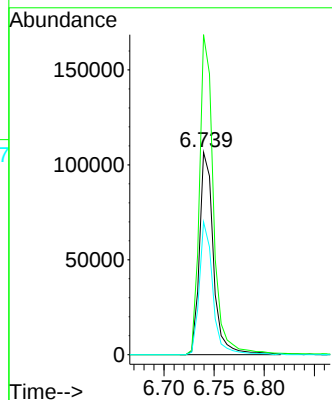
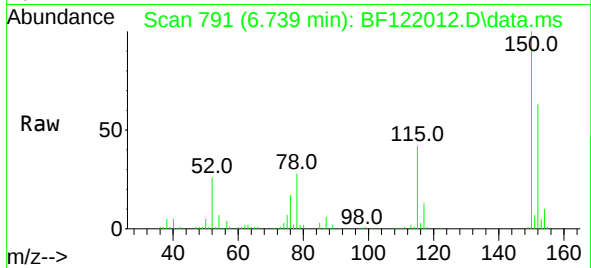




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

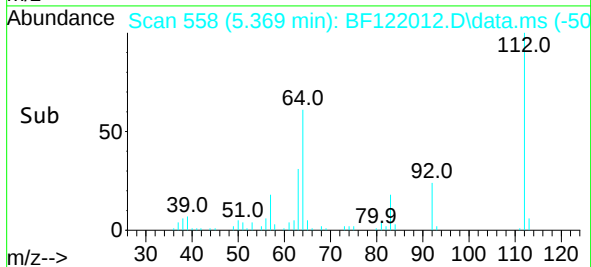
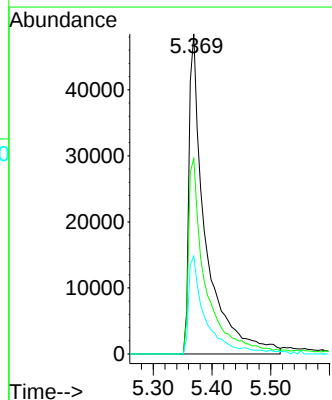
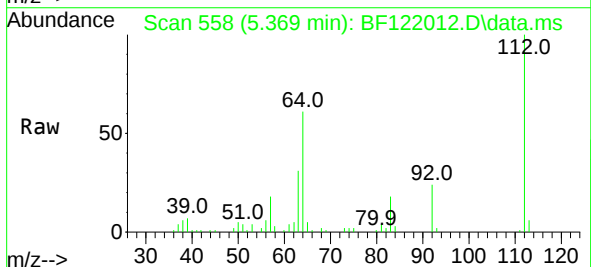
Instrument :
BNA_F
ClientSampleId :
HD-01-101520

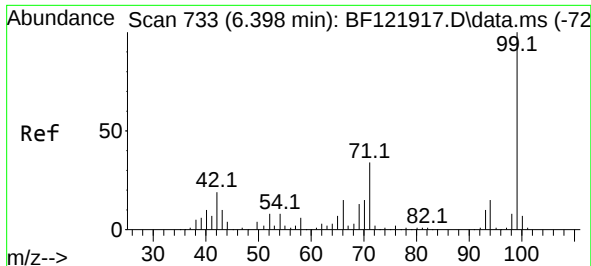
Tgt Ion:152 Resp: 104045
Ion Ratio Lower Upper
152 100
150 158.1 125.3 187.9
115 65.6 51.9 77.9



#5
2-Fluorophenol
Concen: 13.34 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:112 Resp: 94064
Ion Ratio Lower Upper
112 100
64 61.0 50.4 75.6
63 30.6 25.8 38.6

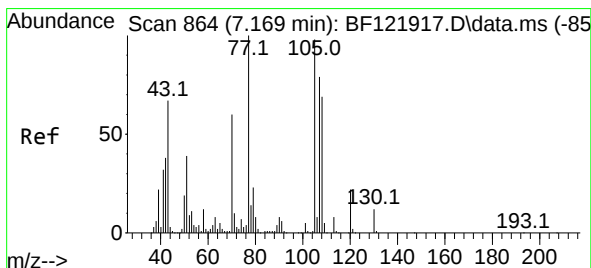
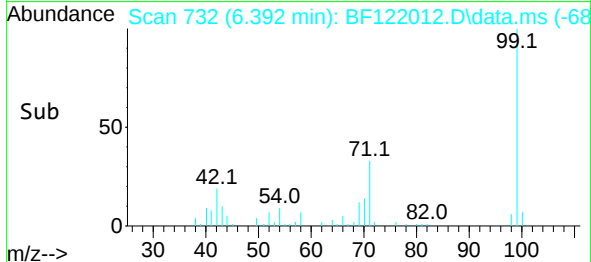
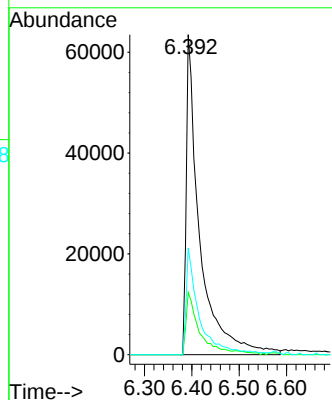
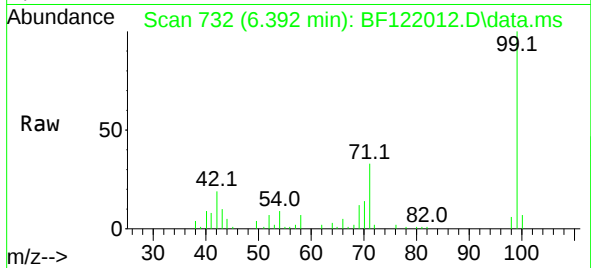




#7
Phenol-d6
Concen: 13.79 ng
RT: 6.392 min Scan# 732
Delta R.T. 0.000 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

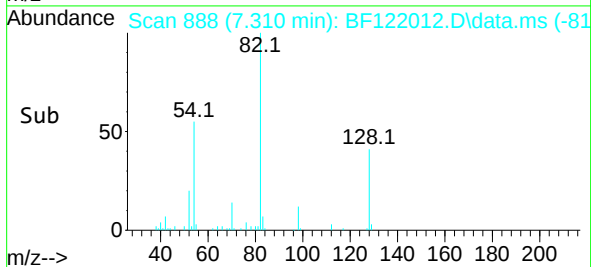
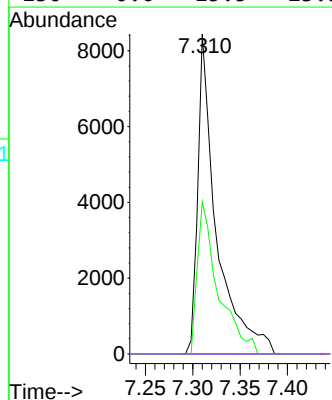
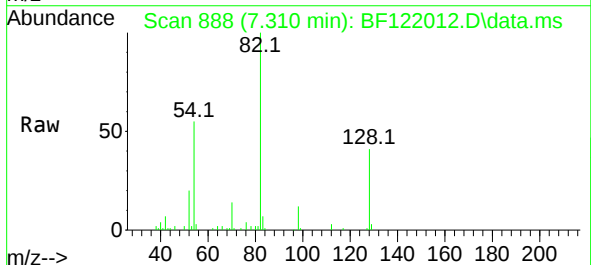
Instrument :
BNA_F
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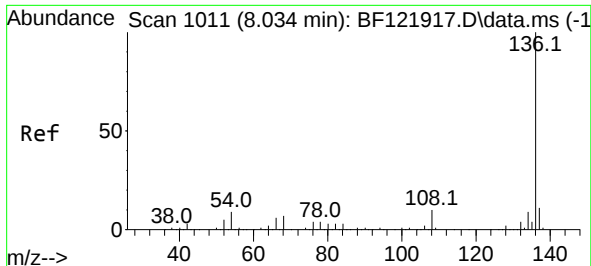
Tgt Ion: 99 Resp: 125110
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 33.4 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.24 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

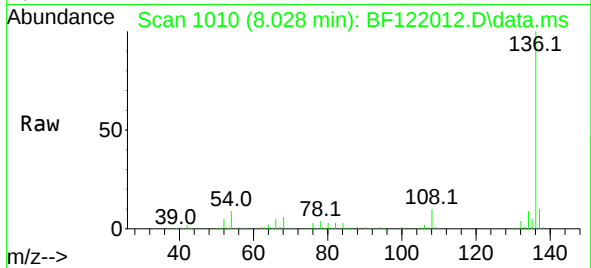
Tgt Ion: 70 Resp: 11595
Ion Ratio Lower Upper
70 100
42 47.5 50.2 75.4#
101 0.0 7.5 11.3#
130 0.0 15.5 23.3#



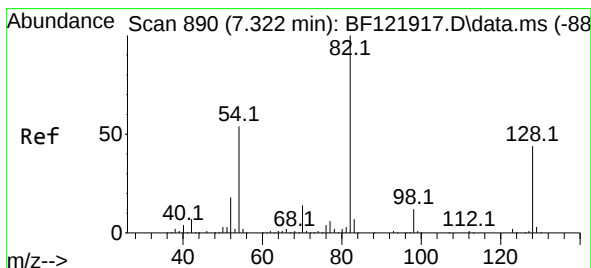
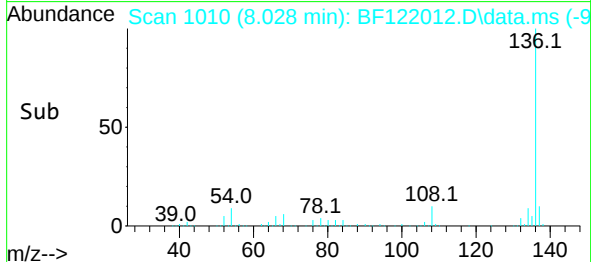
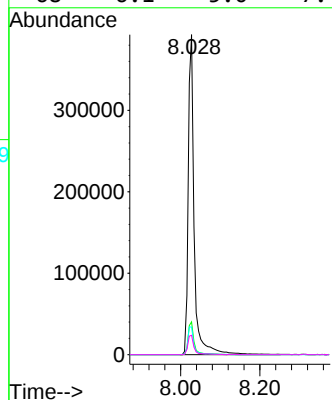


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Instrument :
BNA_F
ClientSampleId :
HD-01-101520

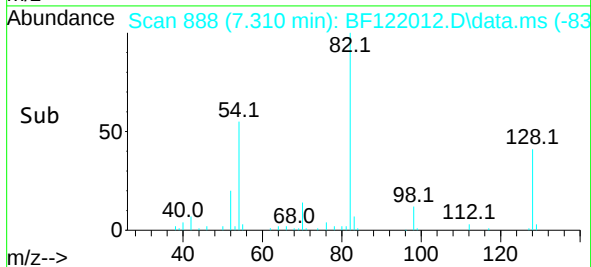
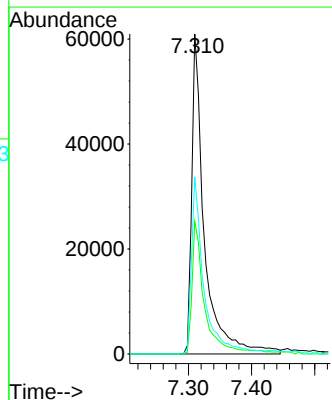
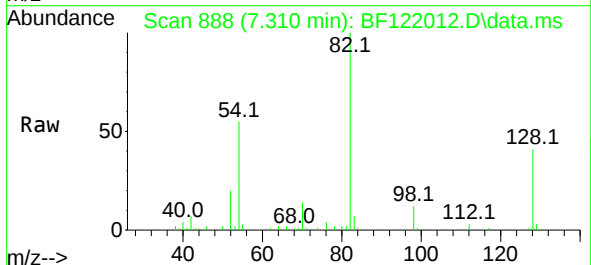


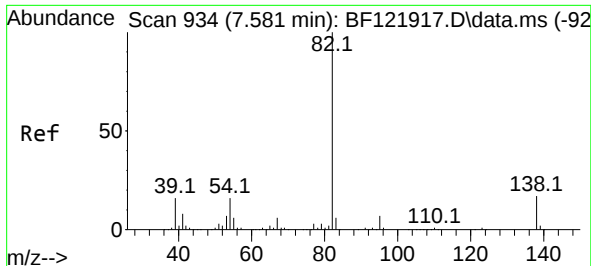
Tgt Ion:136 Resp: 409963
Ion Ratio Lower Upper
136 100
137 10.2 8.6 13.0
54 8.7 7.1 10.7
68 6.1 5.0 7.4



#23
Nitrobenzene-d5
Concen: 10.63 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion: 82 Resp: 84975
Ion Ratio Lower Upper
82 100
128 41.3 35.0 52.4
54 55.3 43.9 65.9

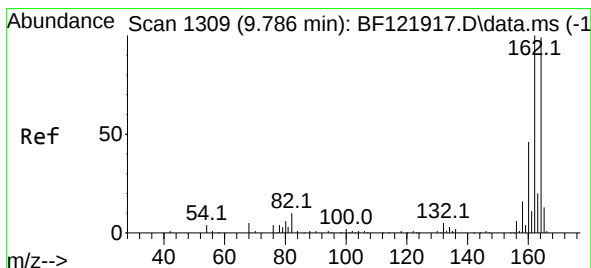
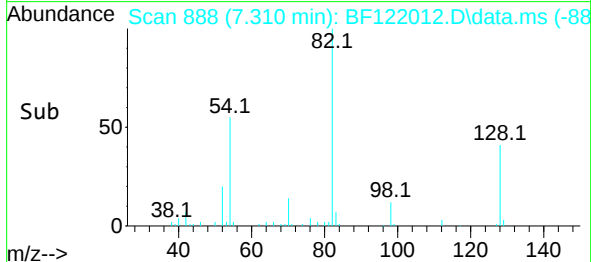
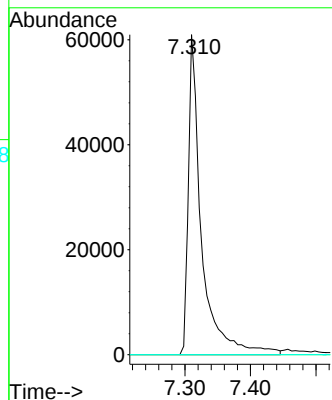
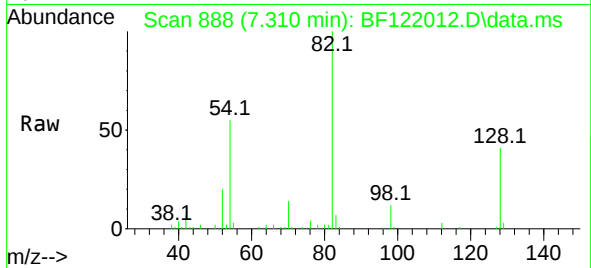




#25
Isophorone
Concen: 5.62 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.265 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

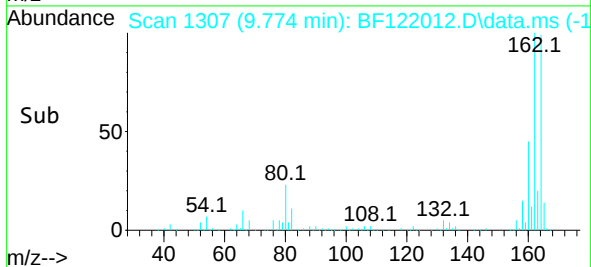
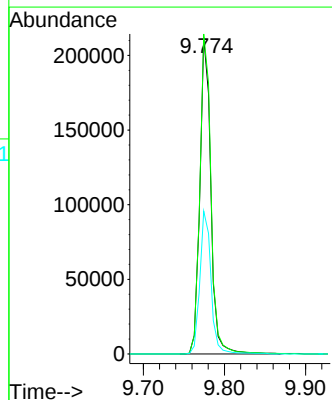
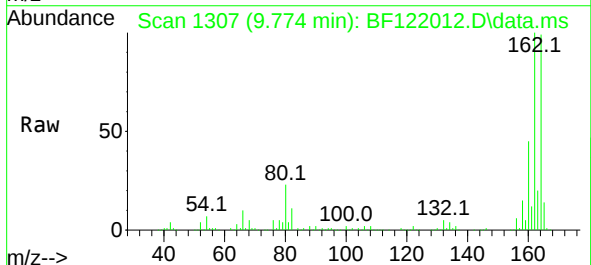
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BNA_F
ClientSampleId :
HD-01-101520

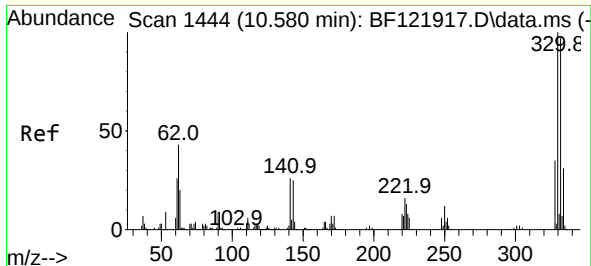
Tgt Ion: 82 Resp: 84974
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:164 Resp: 199917
Ion Ratio Lower Upper
164 100
162 101.2 83.2 124.8
160 45.2 37.5 56.3

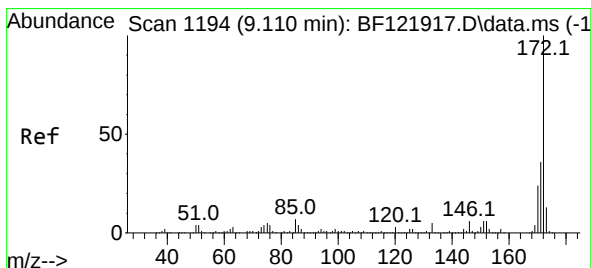
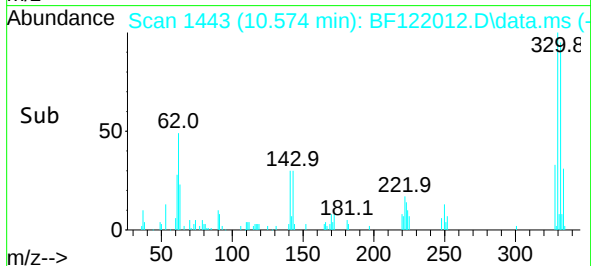
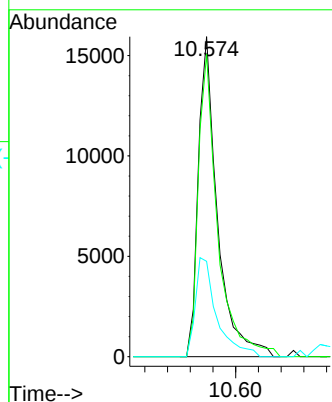
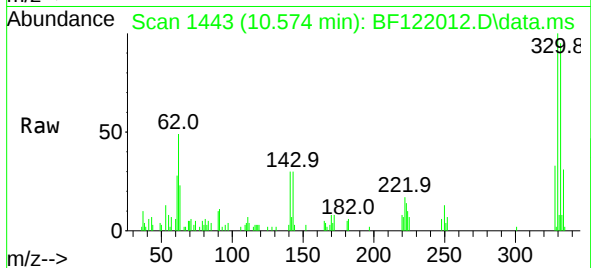




#42
2,4,6-Tribromophenol
Concen: 7.54 ng
RT: 10.574 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

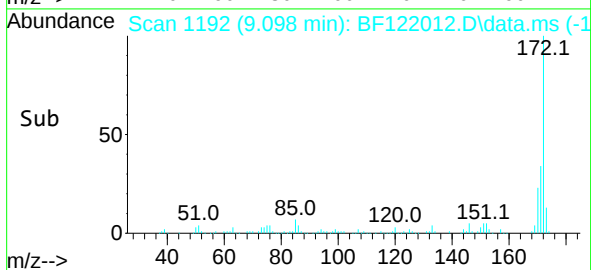
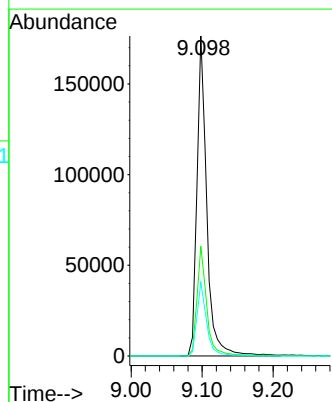
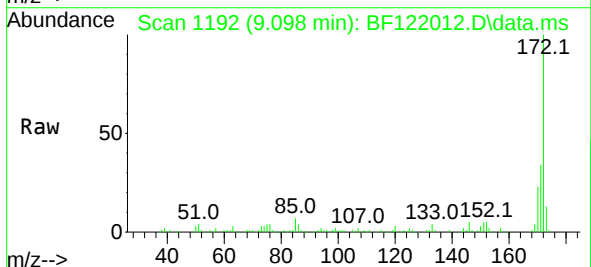
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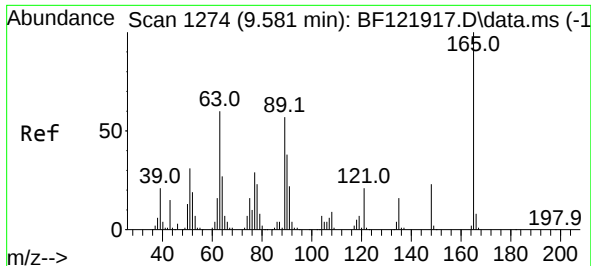
Tgt Ion: 330 Resp: 18658
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 34.3 22.3 33.5#



#45
2-Fluorobiphenyl
Concen: 12.54 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion: 172 Resp: 170390
Ion Ratio Lower Upper
172 100
171 34.3 29.1 43.7
170 23.1 19.8 29.6

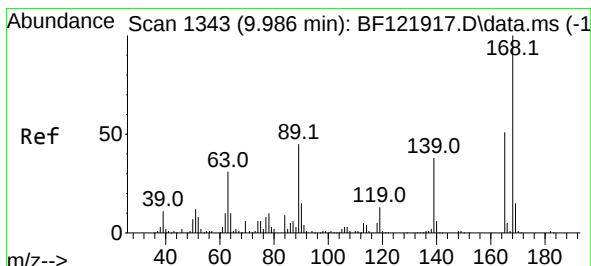
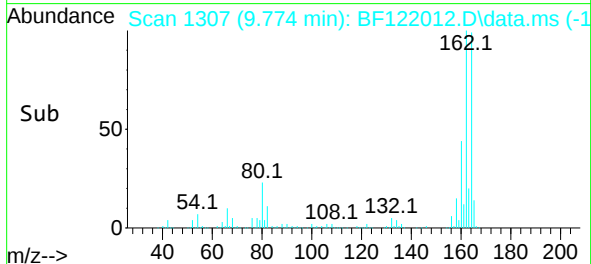
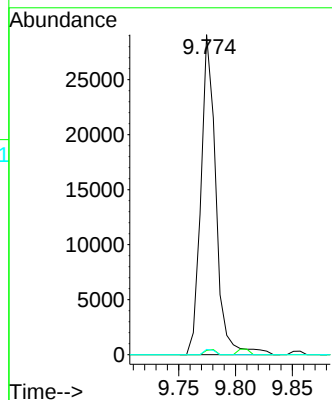
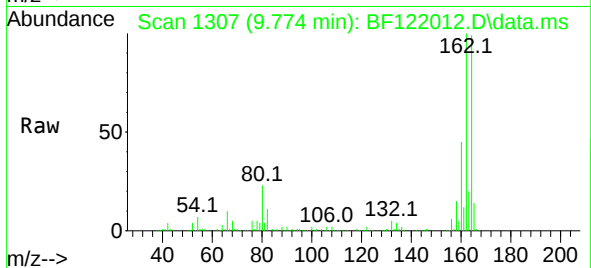




#51
2,6-Dinitrotoluene
Concen: 8.34 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

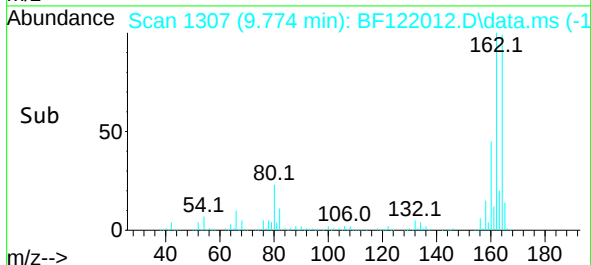
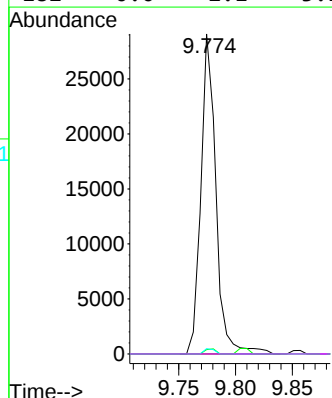
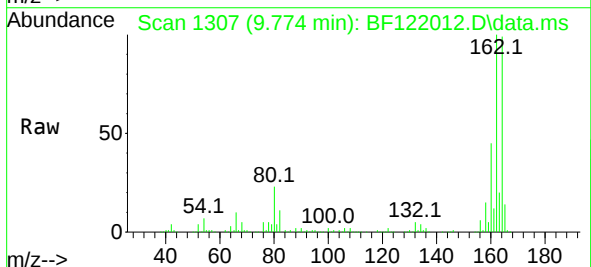
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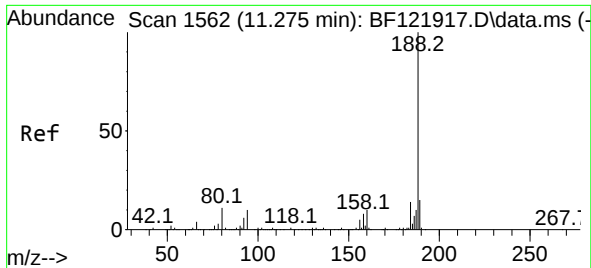
Tgt Ion:165 Resp: 26747
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.6#
89 1.7 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.78 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:165 Resp: 26747
Ion Ratio Lower Upper
165 100
63 1.3 41.3 61.9#
89 1.7 61.8 92.8#
182 0.0 2.1 3.1#

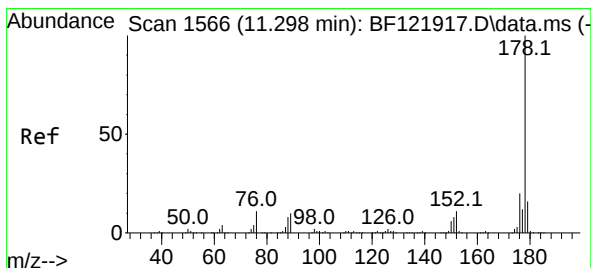
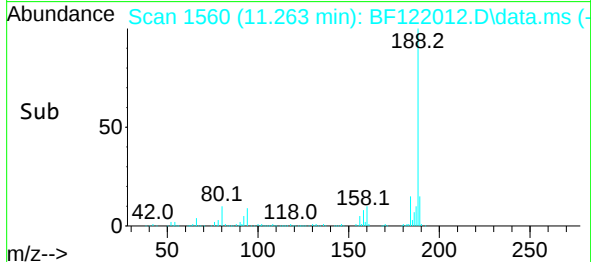
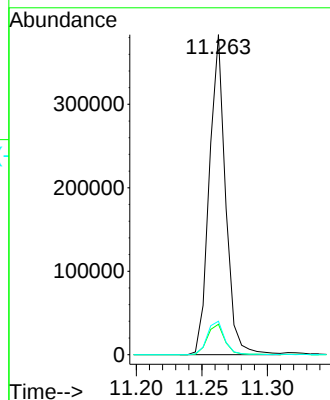
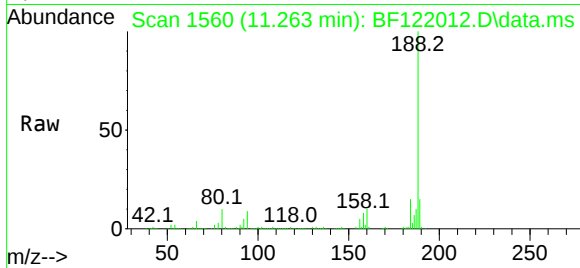




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

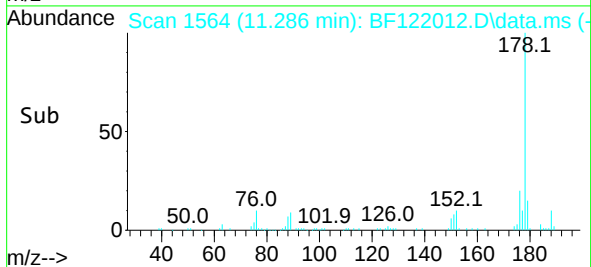
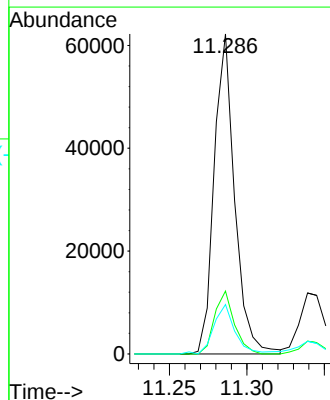
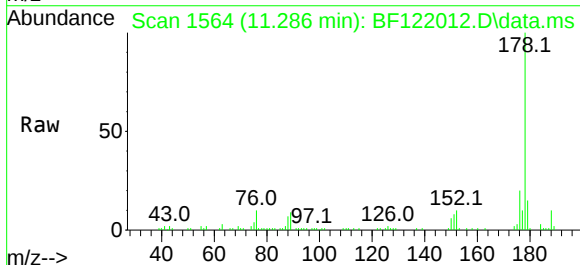
Instrument :
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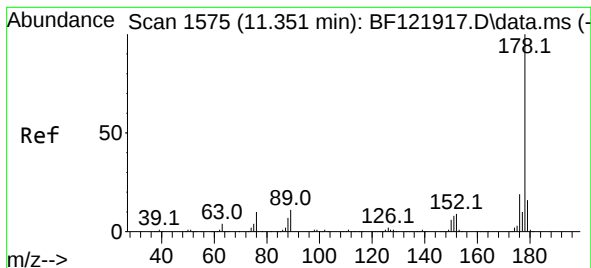
Tgt Ion:188 Resp: 331217
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 10.5 9.1 13.7



#71
Phenanthrene
Concen: 3.16 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:178 Resp: 57321
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.4 12.2 18.4





#72

Anthracene

Concen: 3.04 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.059 min

Lab File: BF122012.D

Acq: 16 Oct 2020 15:42

Tgt Ion:178 Resp: 57321

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

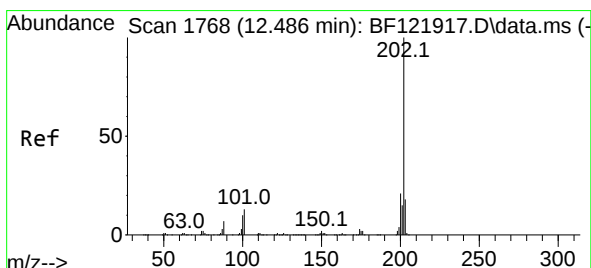
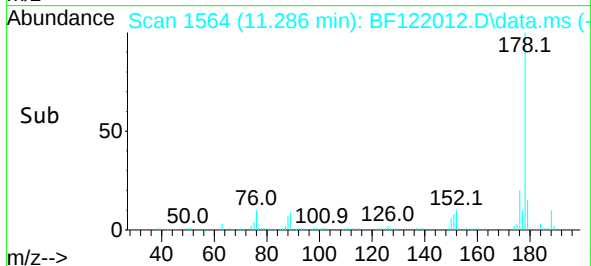
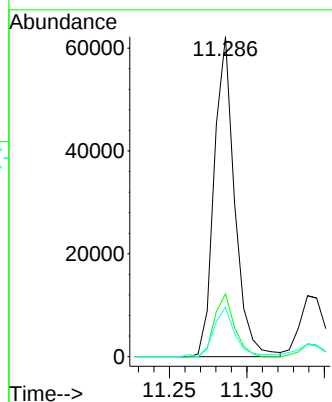
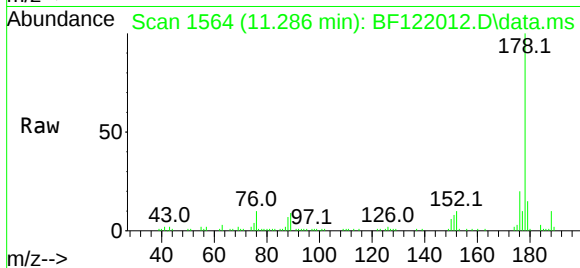
179 15.4 12.7 19.1

Instrument :

BNA_F

ClientSampleId :

HD-01-101520



#75

Fluoranthene

Concen: 4.28 ng

RT: 12.474 min Scan# 1766

Delta R.T. -0.006 min

Lab File: BF122012.D

Acq: 16 Oct 2020 15:42

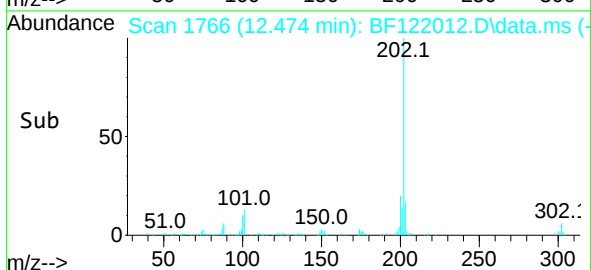
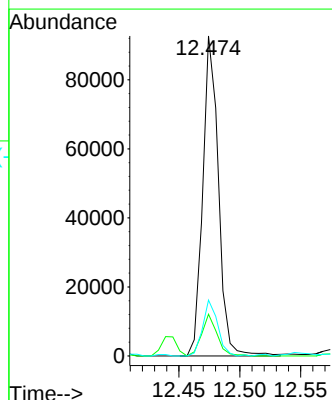
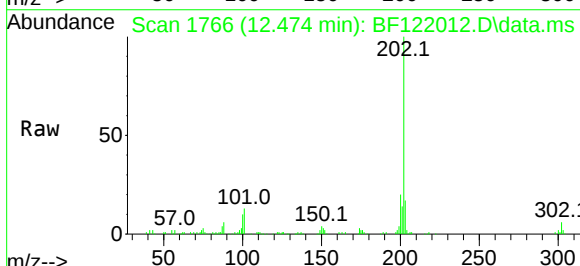
Tgt Ion:202 Resp: 83394

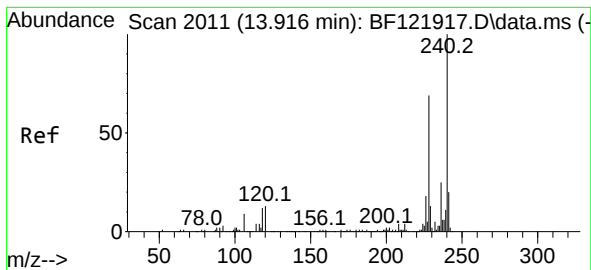
Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.4

203 17.5 0.0 37.9

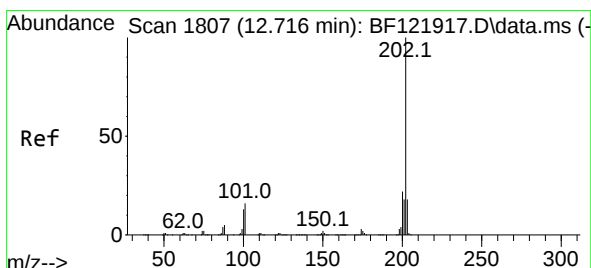
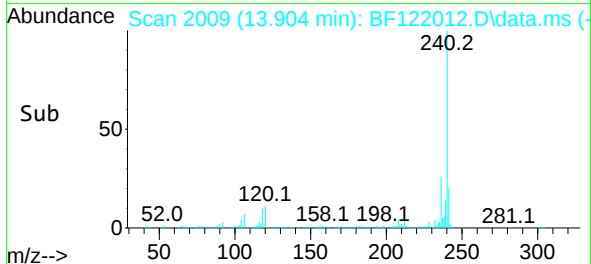
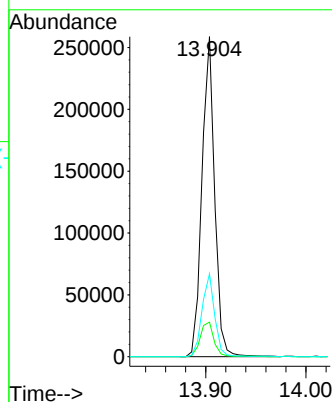
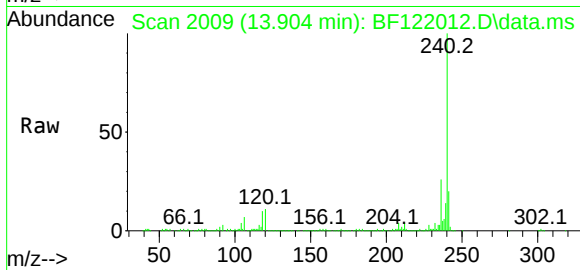




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

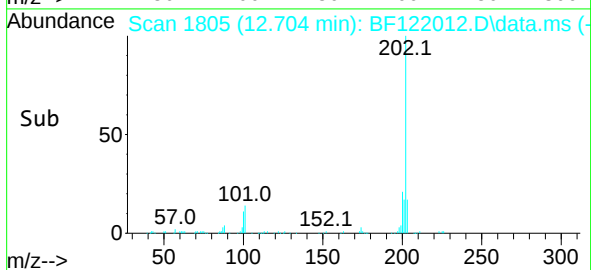
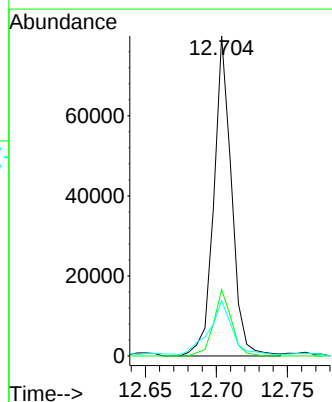
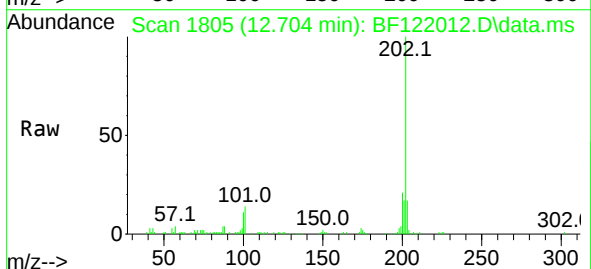
Instrument :
BNA_F
ClientSampleId :
HD-01-101520

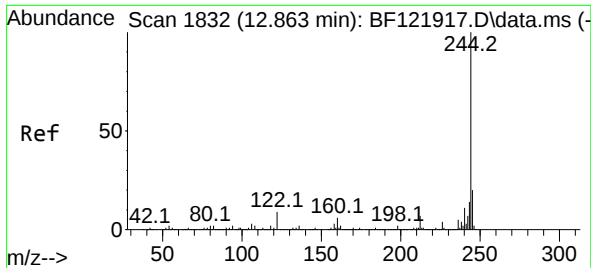
Tgt Ion:240 Resp: 228183
Ion Ratio Lower Upper
240 100
120 10.8 9.2 13.8
236 25.9 20.9 31.3



#78
Pyrene
Concen: 3.98 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:202 Resp: 69179
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.3 14.6 21.8

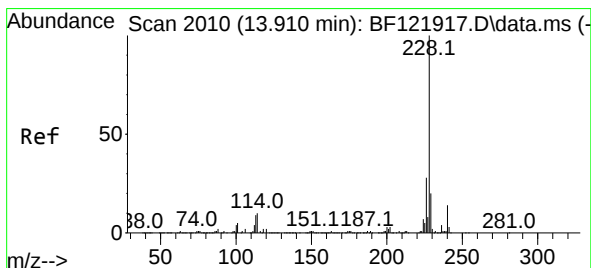
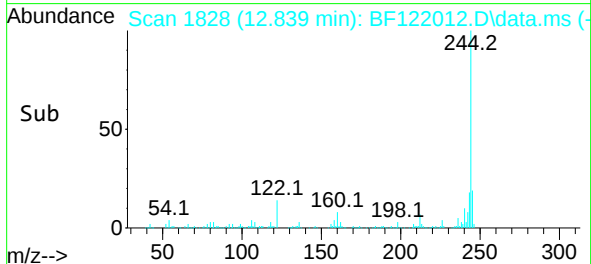
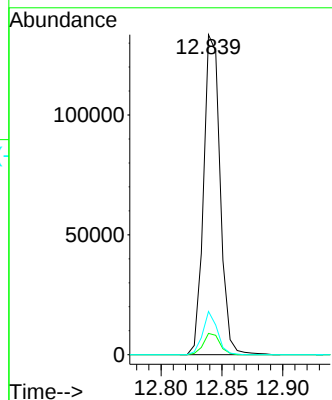
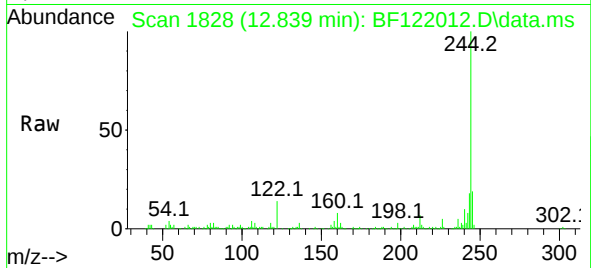




#79
Terphenyl-d14
Concen: 10.50 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

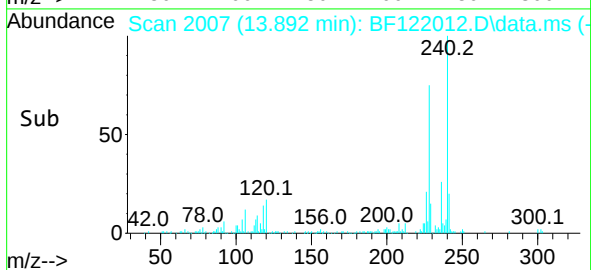
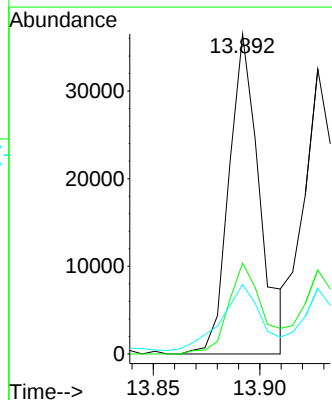
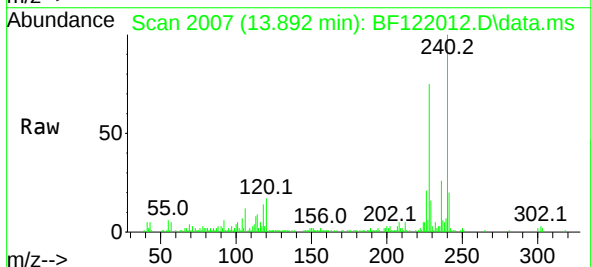
Instrument :
BNA_F
ClientSampleId :
HD-01-101520

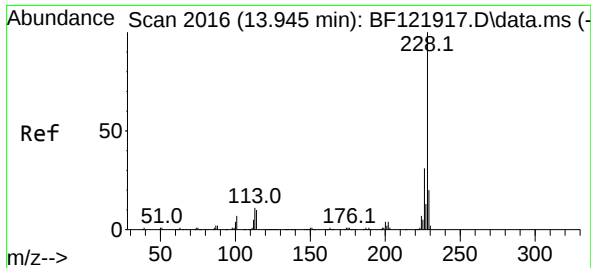
Tgt Ion:244 Resp: 125680
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 13.5 8.1 12.1#



#81
Benzo(a)anthracene
Concen: 2.45 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:228 Resp: 36583
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 21.7 16.2 24.4

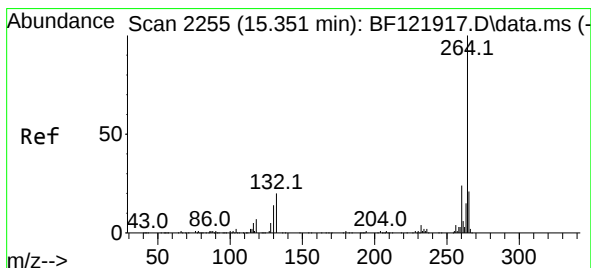
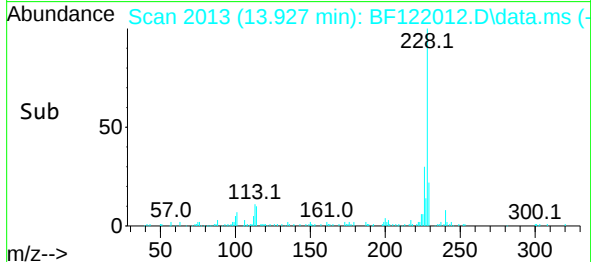
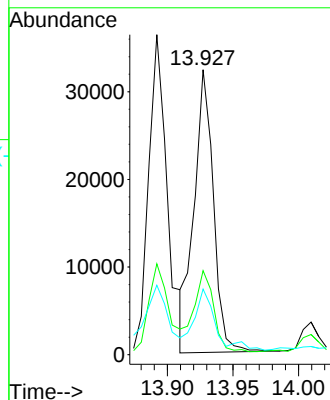
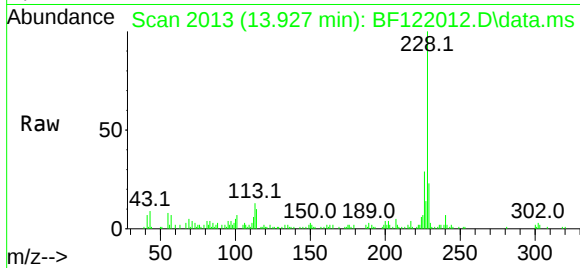




#83
Chrysene
Concen: 2.25 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

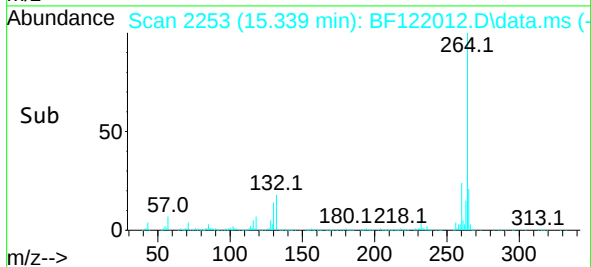
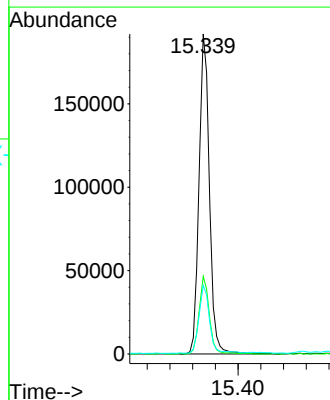
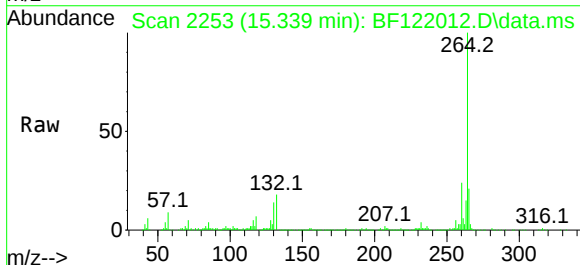
Instrument :
BNA_F
ClientSampleId :
HD-01-101520

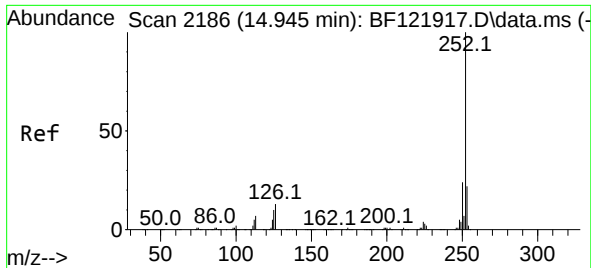
Tgt Ion:228	Resp:	33010
Ion Ratio	Lower	Upper
228	100	
226	29.5	24.6 37.0
229	23.0	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:264	Resp:	245250
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.7 28.1
265	21.5	17.3 25.9

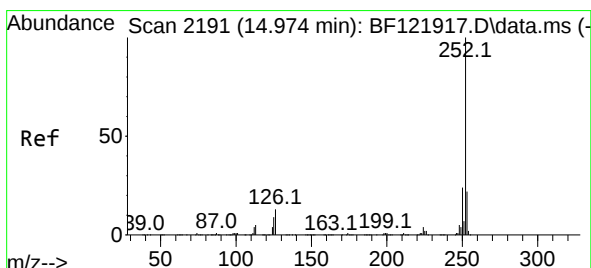
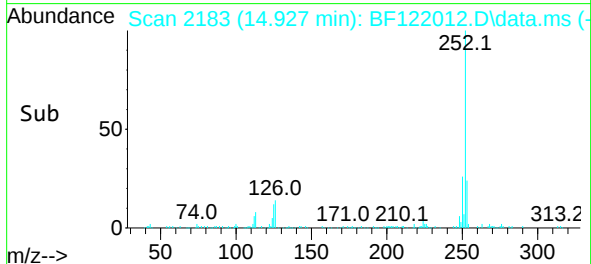
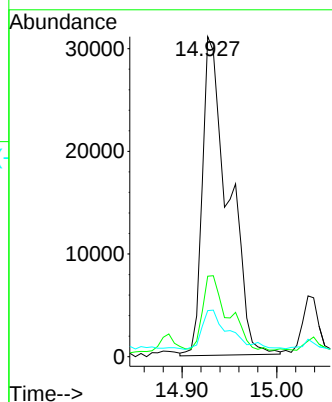
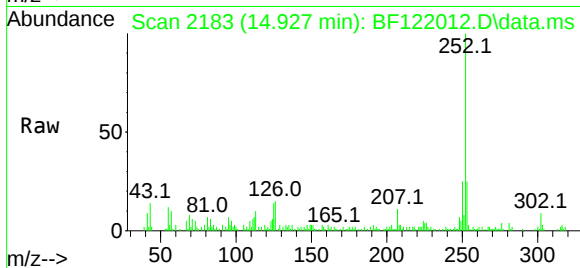




#88
Benzo(b)fluoranthene
Concen: 3.58 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

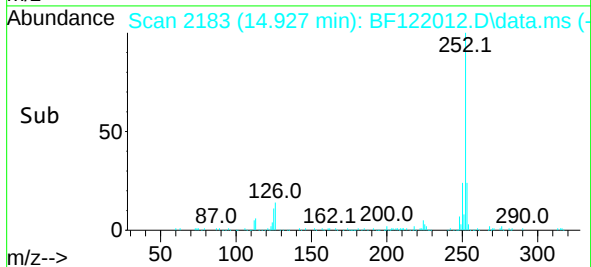
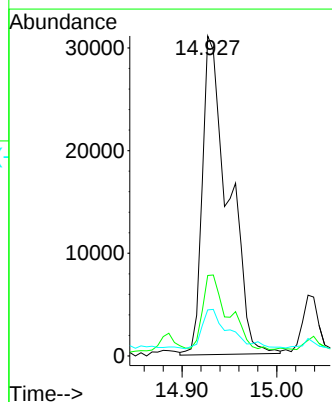
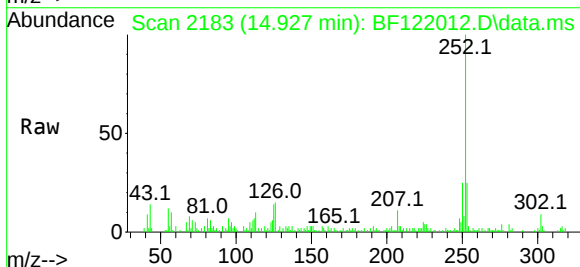
Instrument :
BNA_F
ClientSampleId :
HD-01-101520

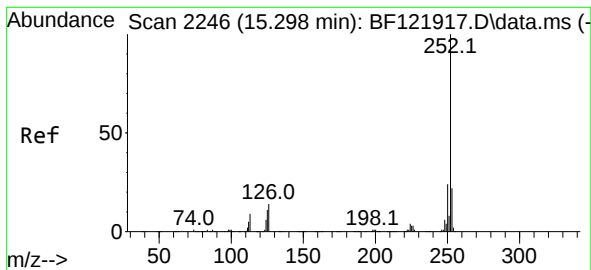
Tgt Ion:252 Resp: 59342
Ion Ratio Lower Upper
252 100
253 25.2 18.2 27.2
125 14.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 3.77 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.035 min
Lab File: BF122012.D
Acq: 16 Oct 2020 15:42

Tgt Ion:252 Resp: 59342
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 14.4 7.7 11.5#





#90

Benzo(a)pyrene

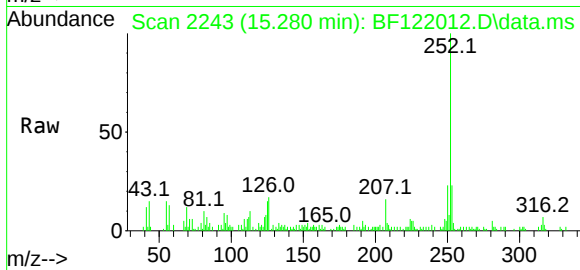
Concen: 2.19 ng

RT: 15.280 min Scan# 2243

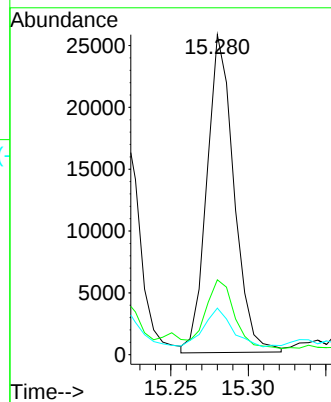
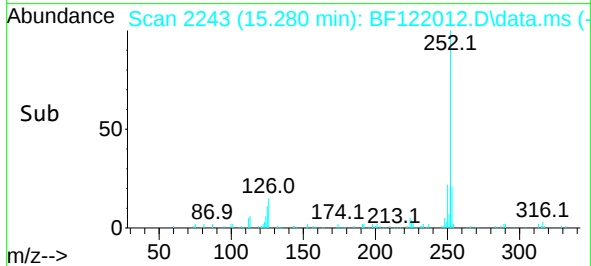
Delta R.T. -0.006 min

Lab File: BF122012.D

Acq: 16 Oct 2020 15:42



Tgt Ion:	252	Resp:	31325
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	14.6	8.6	13.0#



Instrument :
BNA_F
ClientSampleId :
HD-01-101520