

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121012.D
 Acq On : 24 Jul 2020 19:50
 Operator : JU/CG
 Sample : L3381-04RE 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 23:49:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	173066	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	589668	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	284303	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	450863	20.00	ng	0.00
76) Chrysene-d12	13.97	240	410873	20.00	ng	0.00
86) Perylene-d12	15.42	264	463781	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	592826	56.16	ng	0.00
7) Phenol-d6	6.44	99	701621	51.45	ng	0.00
23) Nitrobenzene-d5	7.37	82	207741	20.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	142088	45.66	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	433503	22.77	ng	0.00
79) Terphenyl-d14	12.92	244	342586	18.13	ng	0.00

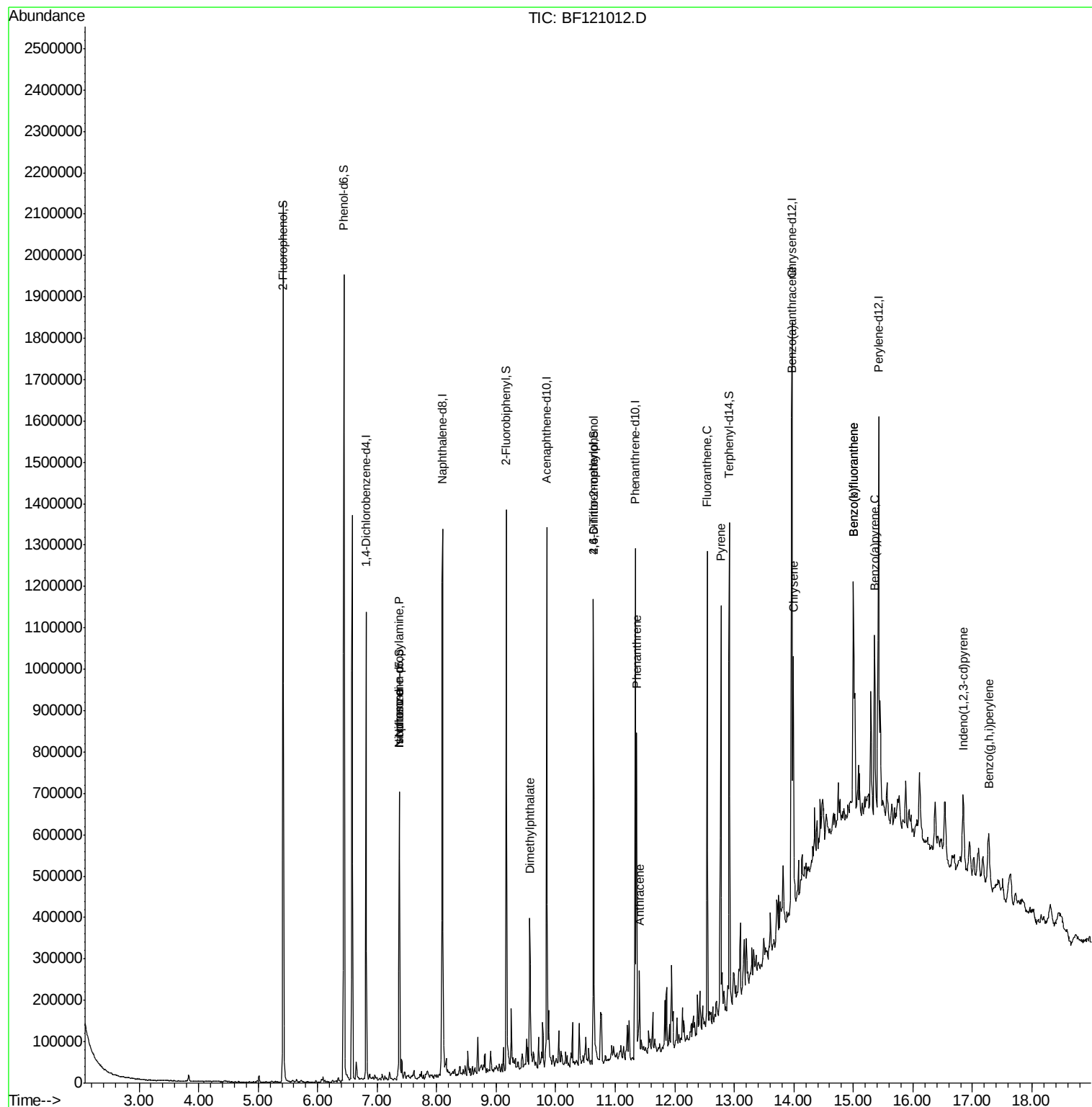
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	324	Below Cal		# 30
19) n-Nitroso-di-n-propylamine	7.37	70	28674	3.698	ng	# 79
25) Isophorone	7.37	82	204600	10.060	ng	# 63
50) Dimethylphthalate	9.56	163	139582	6.805	ng	99
65) 4,6-Dinitro-2-methylphenol	10.63	198	150	3.895	ng	# 1
71) Phenanthrene	11.36	178	279452	12.052	ng	99
72) Anthracene	11.40	178	77261	3.318	ng	99
75) Fluoranthene	12.55	202	483270	18.803	ng	97
78) Pyrene	12.77	202	450198	15.498	ng	99
81) Benzo(a)anthracene	13.96	228	247848	9.962	ng	96
83) Chrysene	13.99	228	234587	8.972	ng	97
87) Indeno(1,2,3-cd)pyrene	16.84	276	133761	4.147	ng	94
88) Benzo(b)fluoranthene	15.00	252	428682	15.292	ng	# 95
89) Benzo(k)fluoranthene	15.00	252	428682	16.767	ng	# 95
90) Benzo(a)pyrene	15.36	252	224299	8.770	ng	97
92) Benzo(g,h,i)perylene	17.27	276	116692	4.492	ng	96

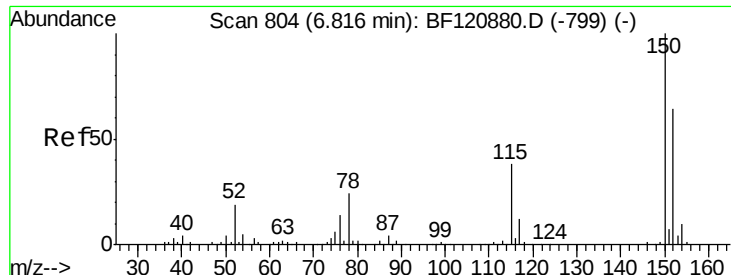
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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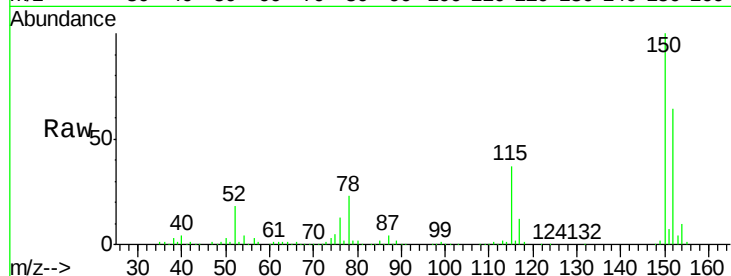


#1

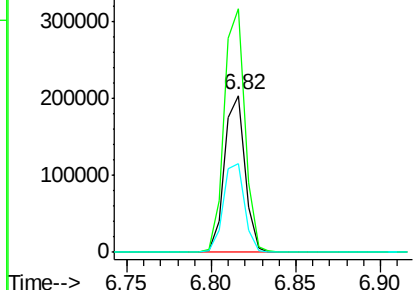
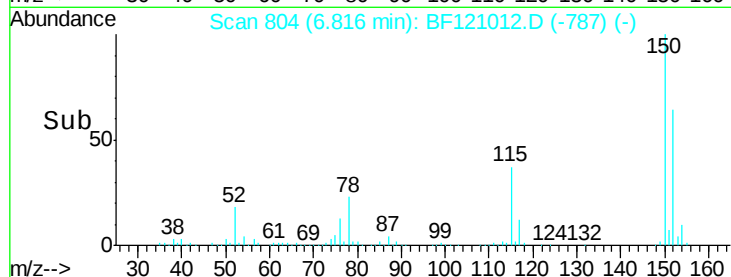
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173066
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.6
115 57.0 47.0 70.4



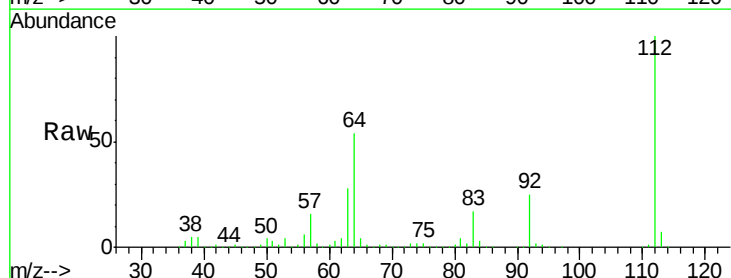
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



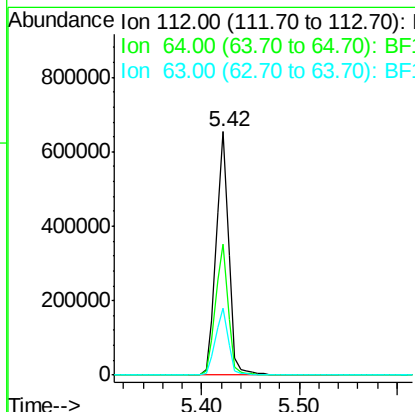
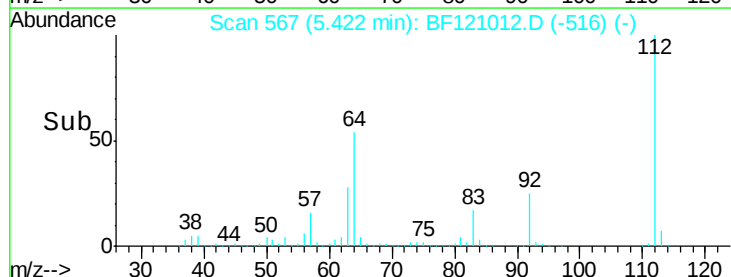
#5

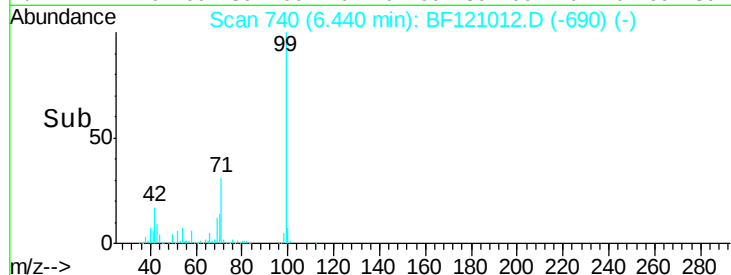
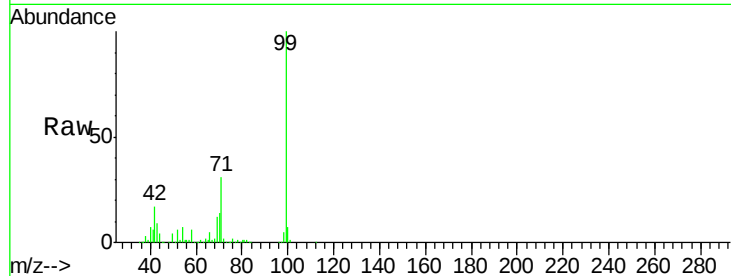
2-Fluorophenol
Concen: 56.155 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Tgt Ion:112 Resp: 592826
Ion Ratio Lower Upper
112 100
64 53.8 41.3 61.9
63 27.7 21.1 31.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 51.450 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

Instrument :

BNA_F

ClientSampleId :

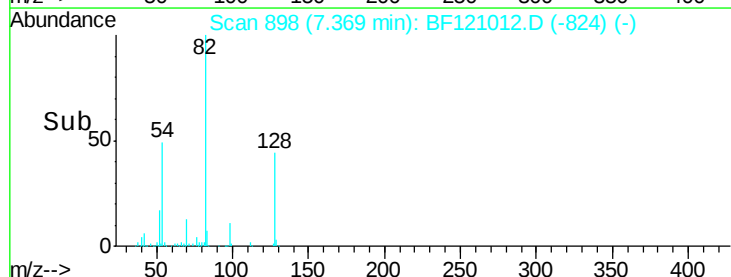
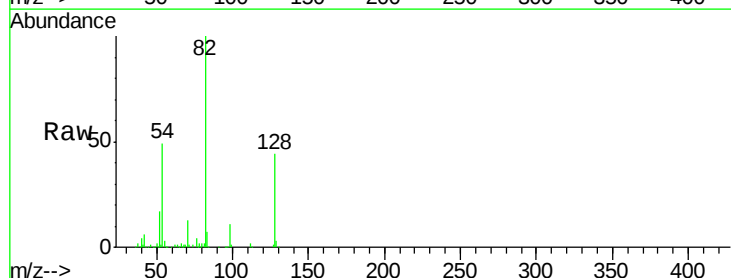
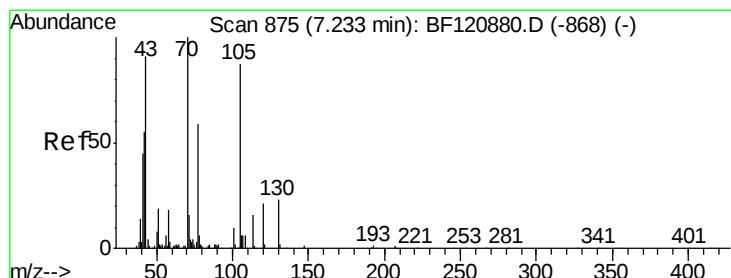
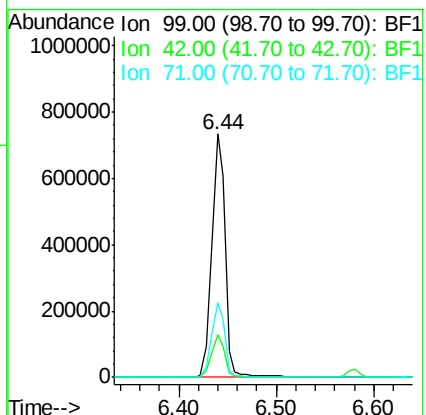
Tot Ion: 99 Resp: 701621

Ion Ratio Lower Upper

99 100

42 17.4 13.1 19.7

71 30.9 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 3.698 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

Tgt Ion: 70 Resp: 28674

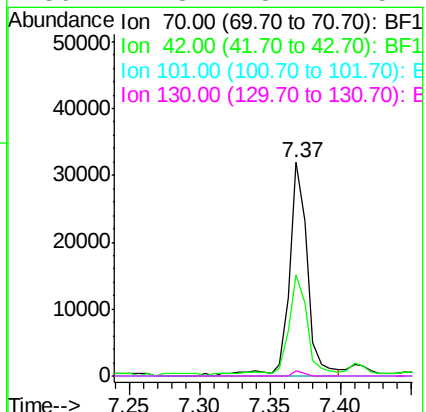
Ion Ratio Lower Upper

70 100

42 47.6 44.0 66.0

101 0.0 7.8 11.6#

130 2.3 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 589668

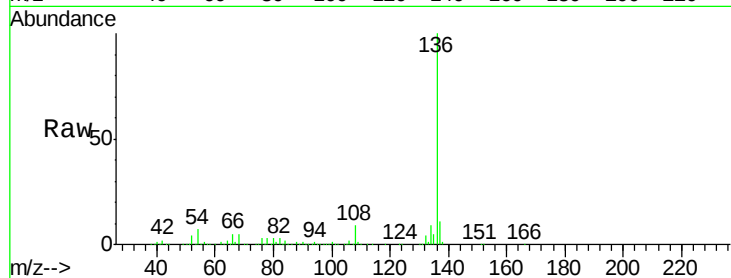
Ion Ratio Lower Upper

136 100

137 10.6 9.3 13.9

54 6.6 6.3 9.5

68 5.4 5.0 7.4

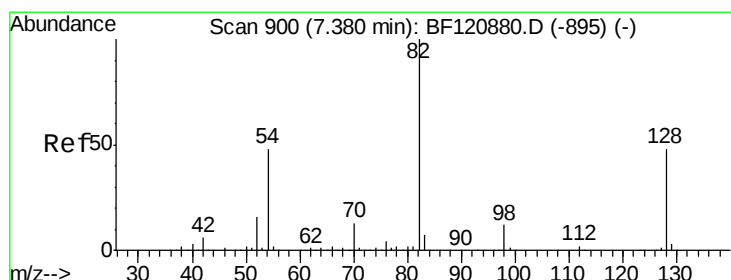
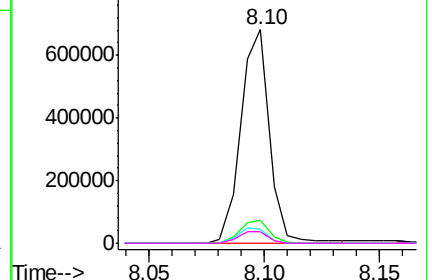
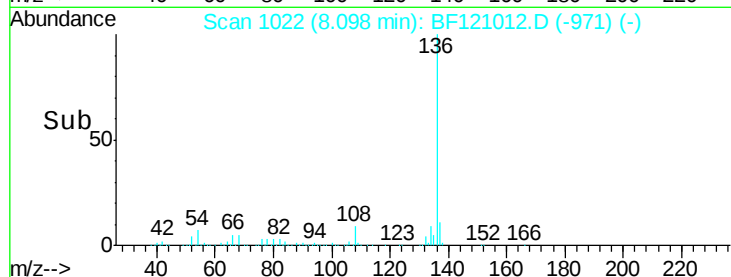


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 20.385 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

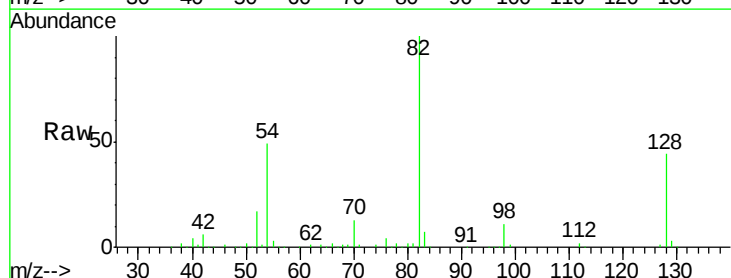
Tgt Ion: 82 Resp: 207741

Ion Ratio Lower Upper

82 100

128 44.2 38.2 57.4

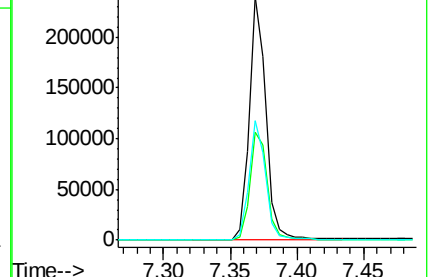
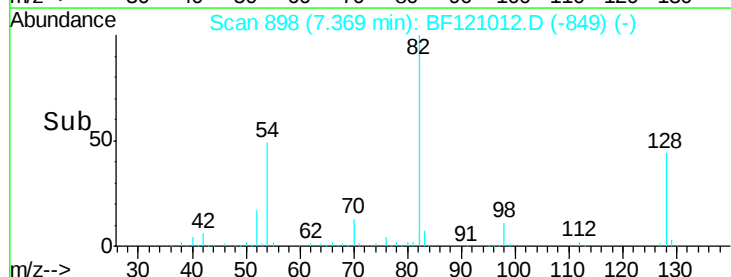
54 49.2 38.7 58.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 10.060 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

Instrument :

BNA_F

ClientSampleId :

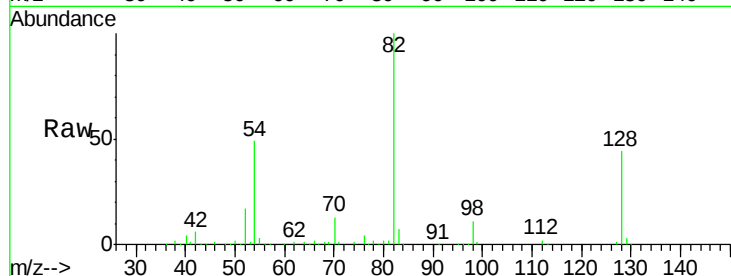
Tot Ion: 82 Resp: 204600

Ion Ratio Lower Upper

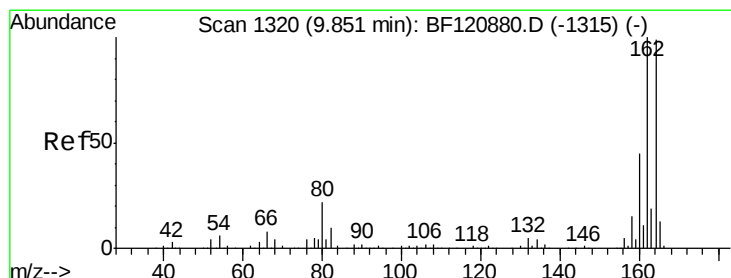
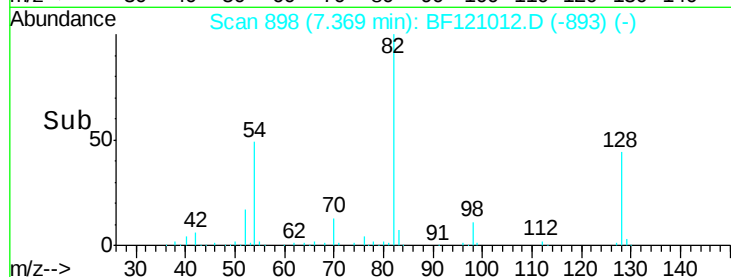
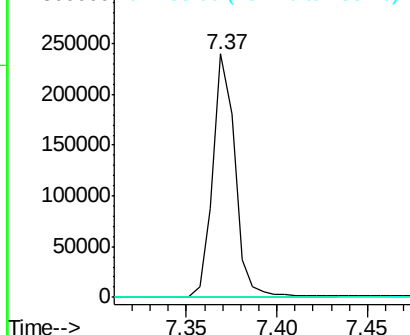
82 100

95 0.2 5.5 8.3#

138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

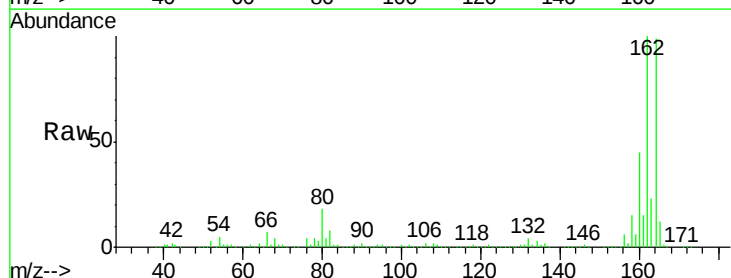
Tgt Ion: 164 Resp: 284303

Ion Ratio Lower Upper

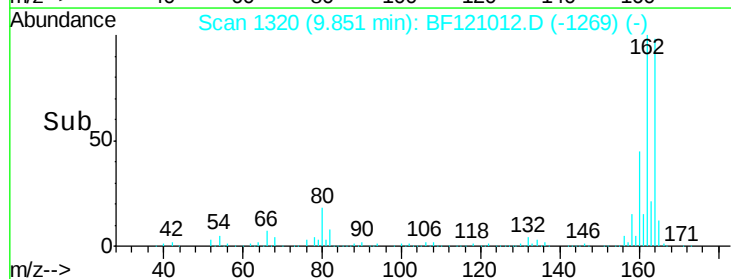
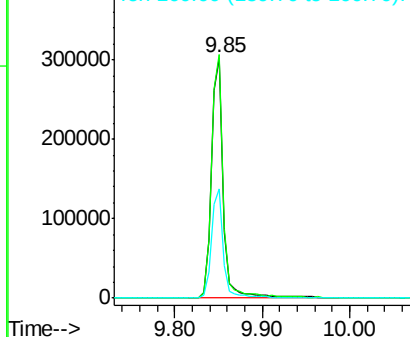
164 100

162 101.4 81.2 121.8

160 45.3 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

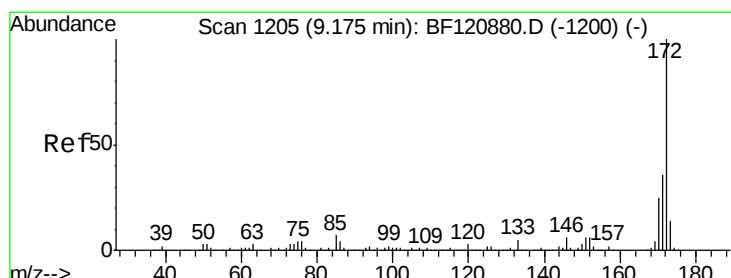
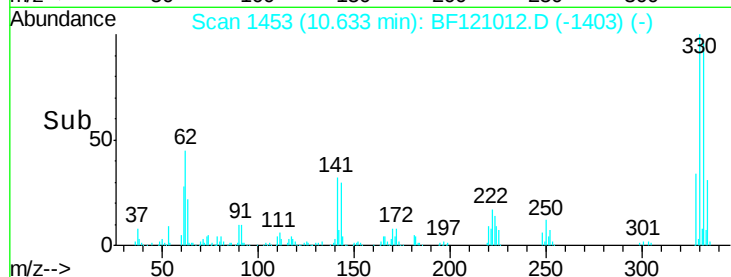
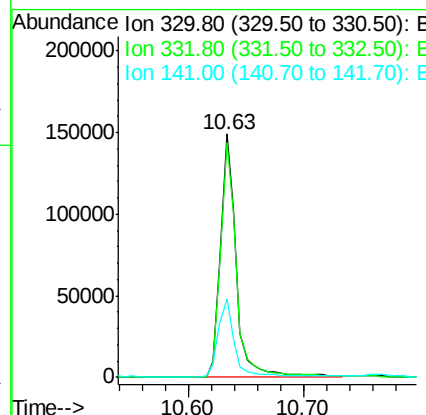
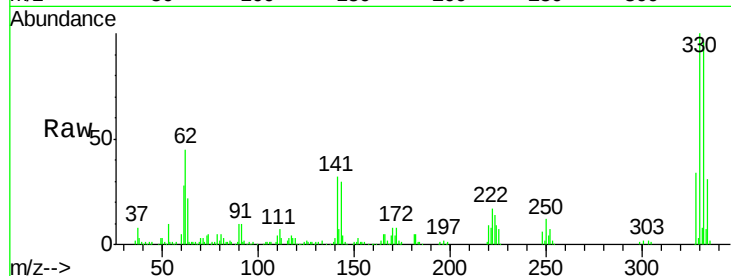




#42
 2,4,6-Tribromophenol
 Concen: 45.658 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF121012.D
 Acq: 24 Jul 2020 19:50

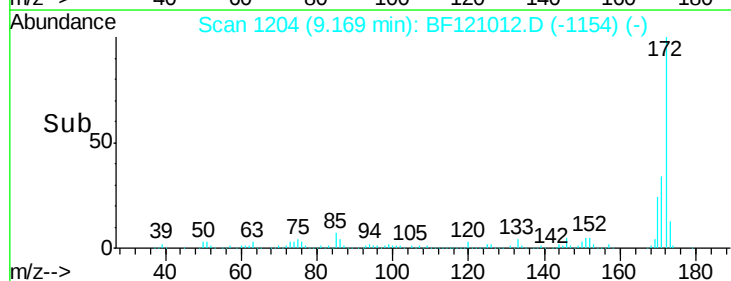
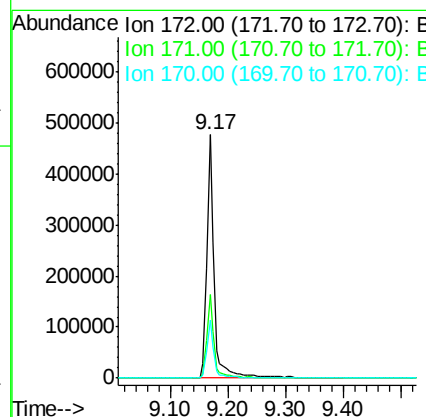
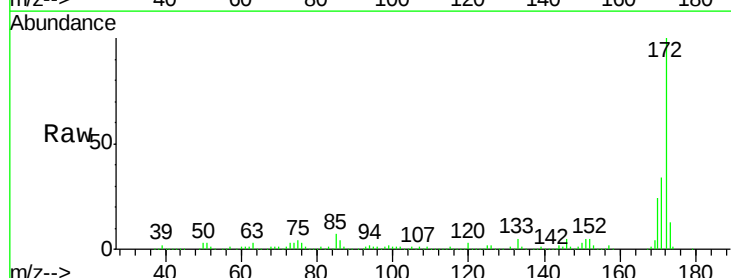
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	75.5	113.3
141	32.9	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 22.766 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121012.D
 Acq: 24 Jul 2020 19:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.4
170	23.8	19.6	29.4

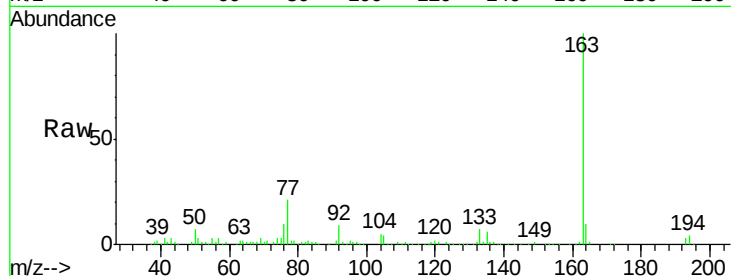




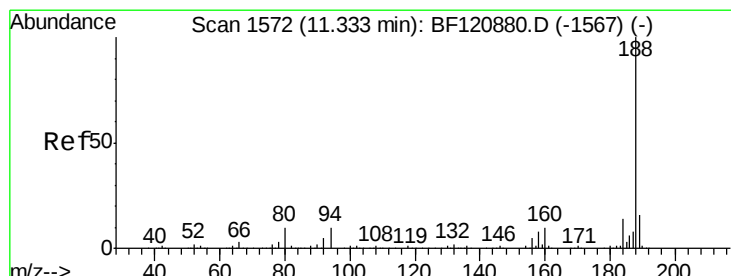
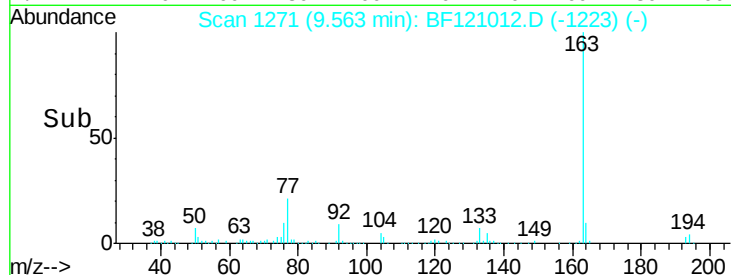
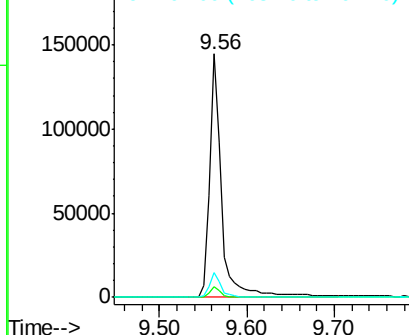
#50
Dimethylphthalate
Concen: 6.805 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	7.9	11.9

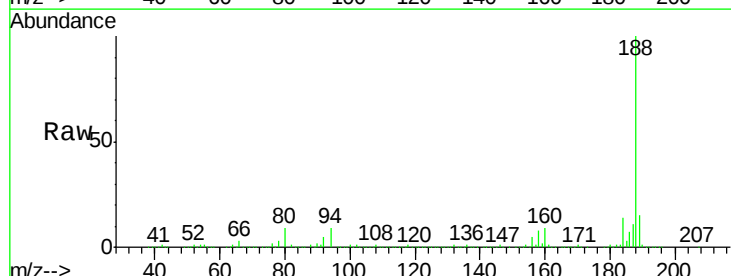


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

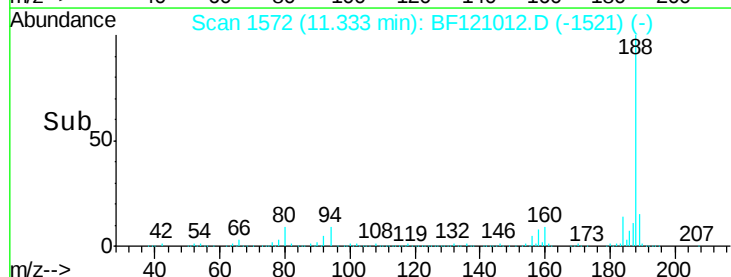
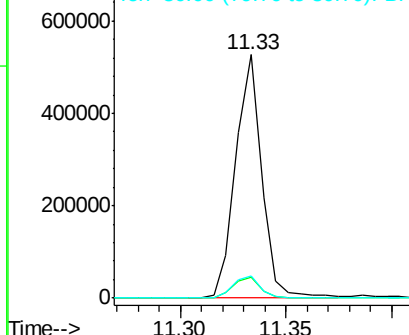


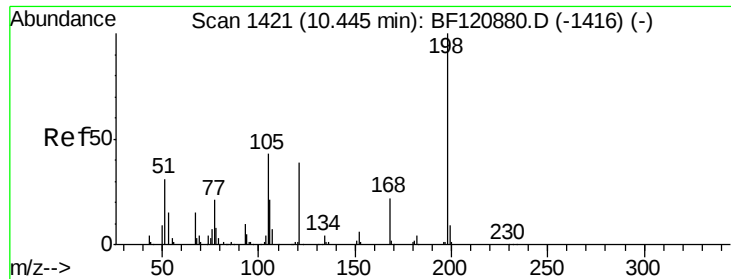
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.0	12.0
80	9.0	8.3	12.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 3.895 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

Instrument :

BNA_F

ClientSampleId :

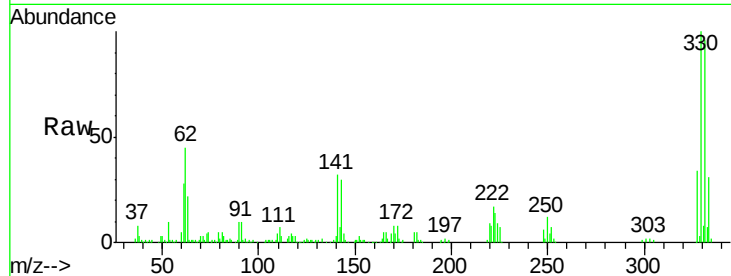
Tot Ion:198 Resp: 150

Ion Ratio Lower Upper

198 100

51 276.4 19.5 59.5#

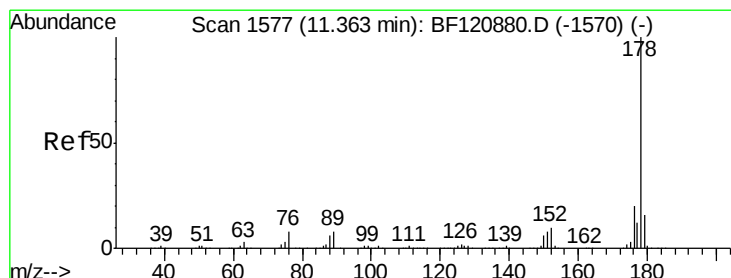
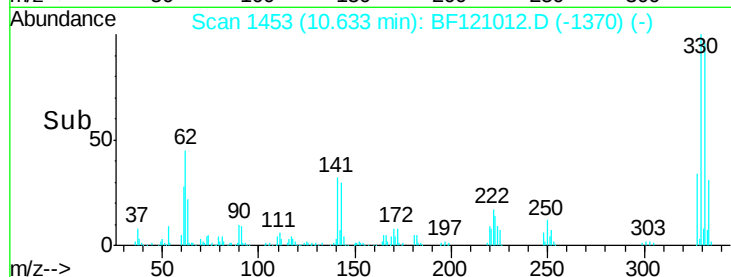
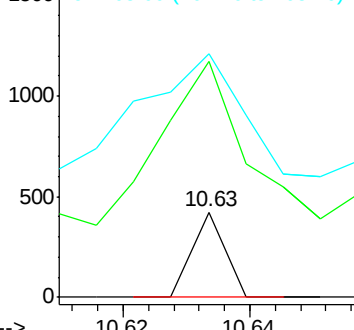
105 285.4 24.4 64.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 12.052 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

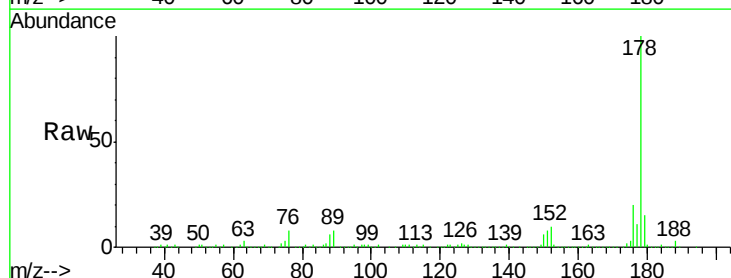
Tgt Ion:178 Resp: 279452

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

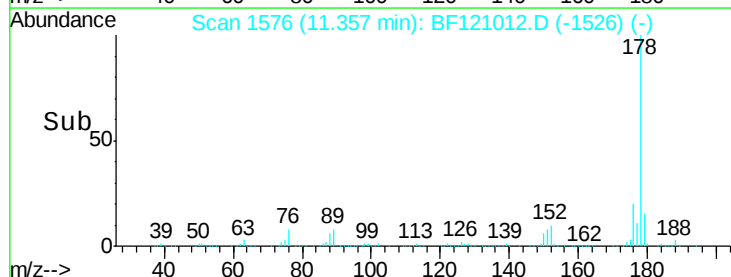
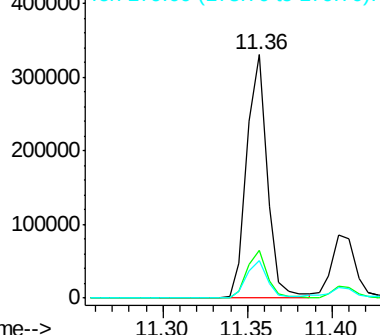
179 15.4 12.8 19.2

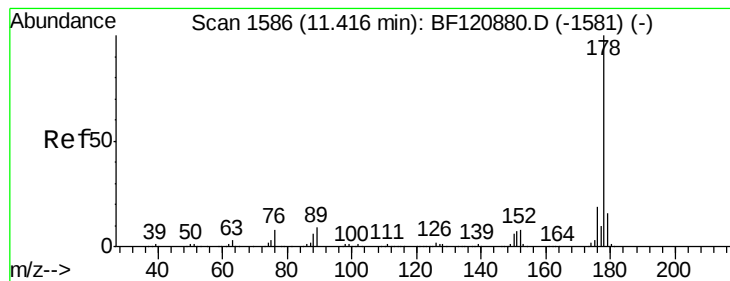


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.318 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

Instrument :

BNA_F

ClientSampleId :

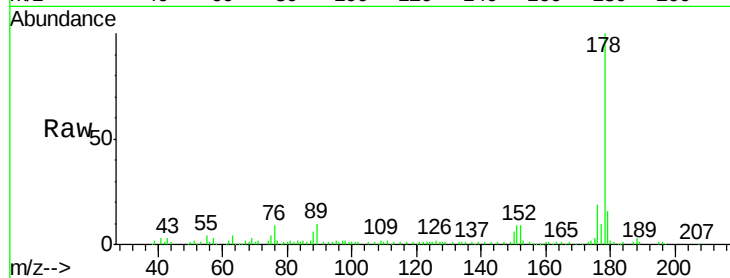
Tot Ion:178 Resp: 77261

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

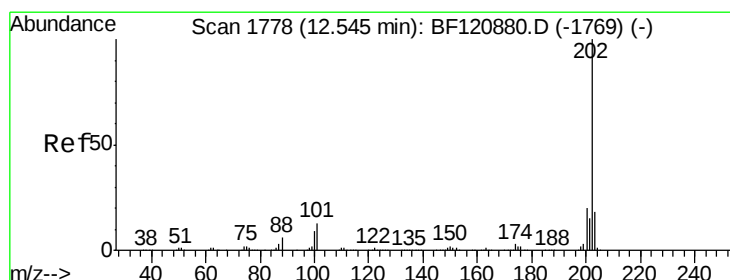
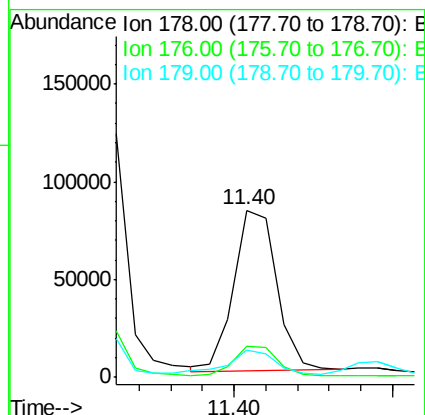
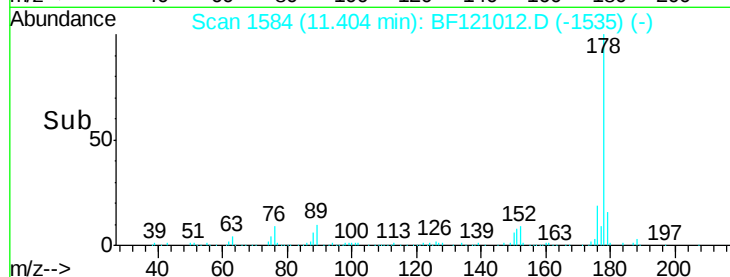
179 16.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.803 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF121012.D

Acq: 24 Jul 2020 19:50

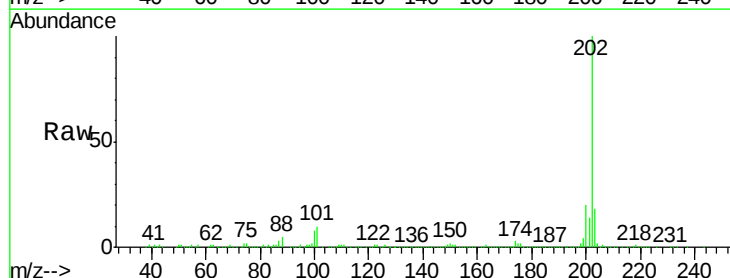
Tgt Ion:202 Resp: 483270

Ion Ratio Lower Upper

202 100

101 10.3 0.0 32.7

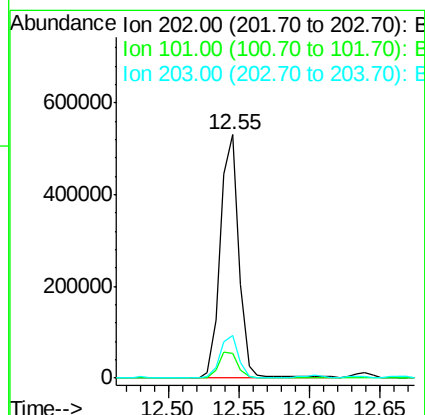
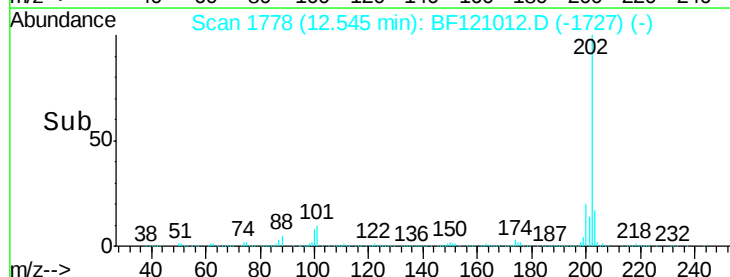
203 17.5 0.0 38.0

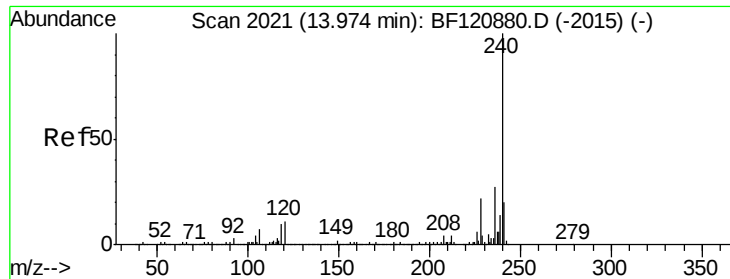


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

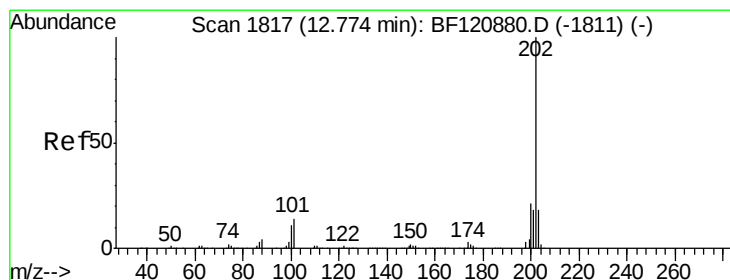
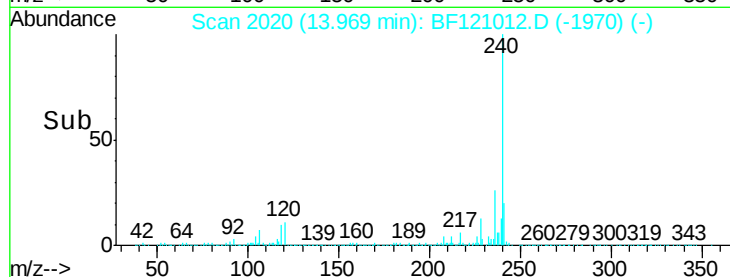
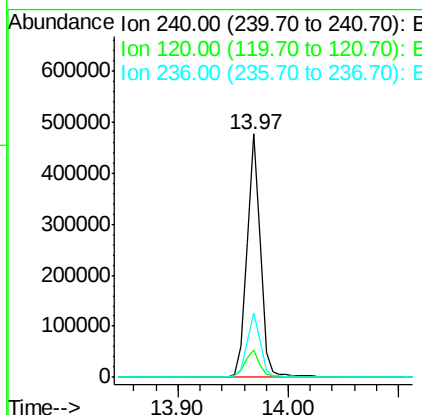
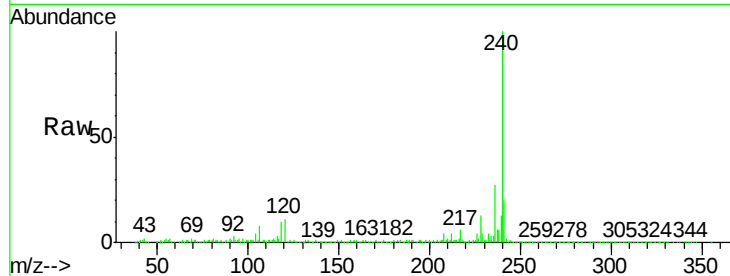




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

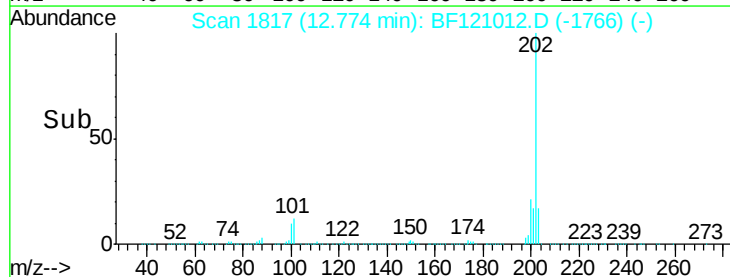
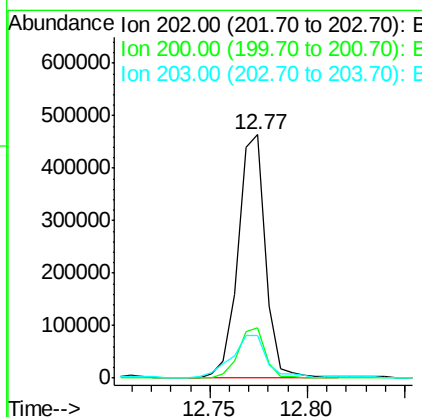
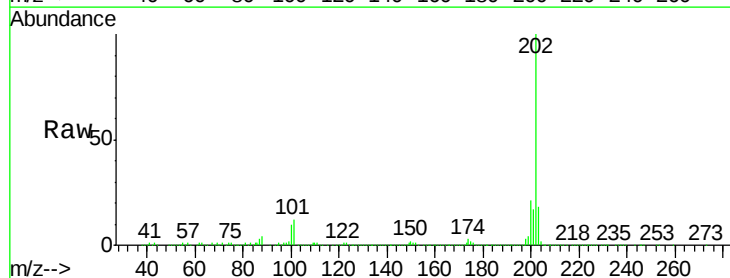
Instrument :
BNA_F
ClientSampleId :

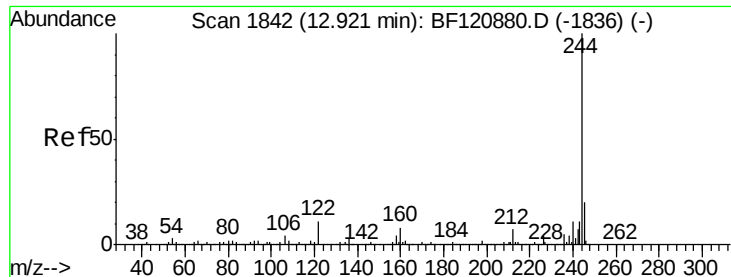
Tot Ion:240 Resp: 410873
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.4
236 26.5 21.7 32.5



#78
Pyrene
Concen: 15.498 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Tgt Ion:202 Resp: 450198
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.6 14.4 21.6

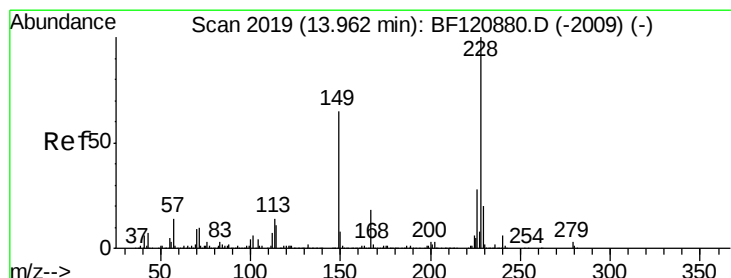
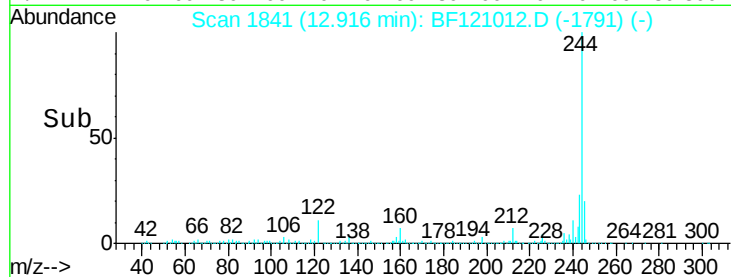
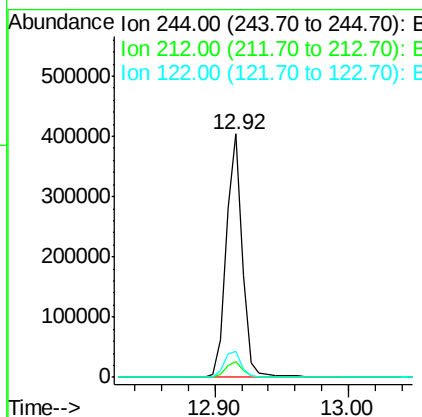
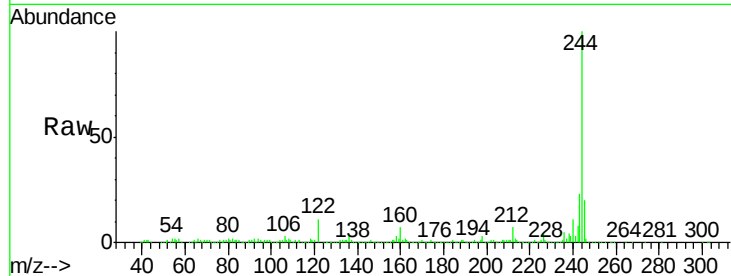




#79
 Terphenyl-d14
 Concen: 18.125 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF121012.D
 Acq: 24 Jul 2020 19:50

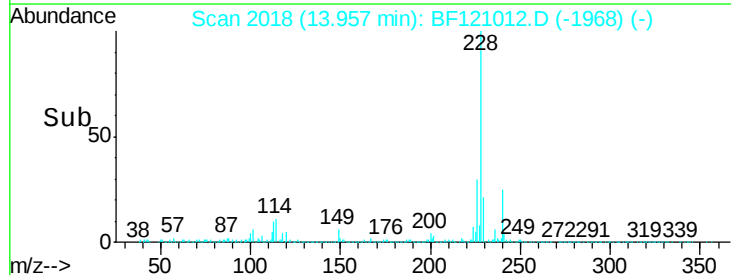
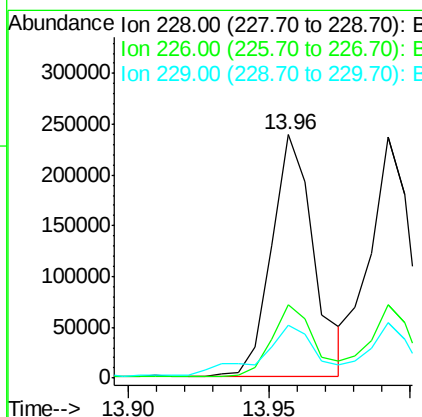
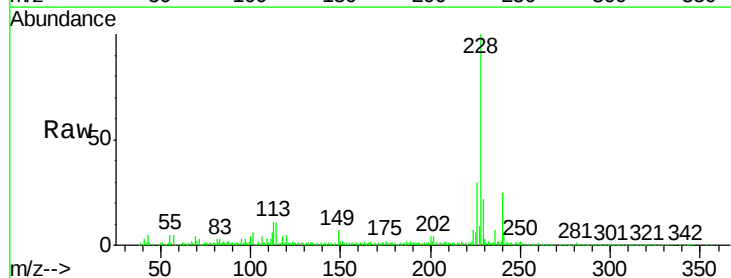
Instrument :
 BNA_F
 ClientSampled :

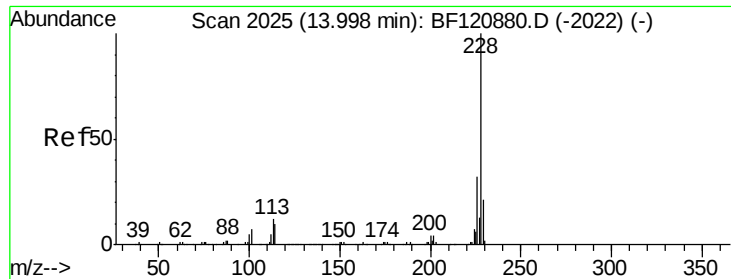
Tot Ion:244 Resp: 342586
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.9 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 9.962 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF121012.D
 Acq: 24 Jul 2020 19:50

Tgt Ion:228 Resp: 247848
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.3 33.5
 229 21.6 16.1 24.1

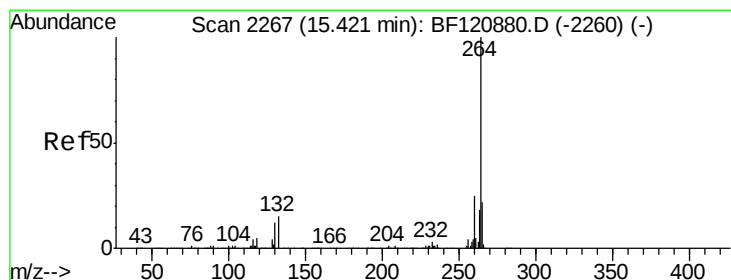
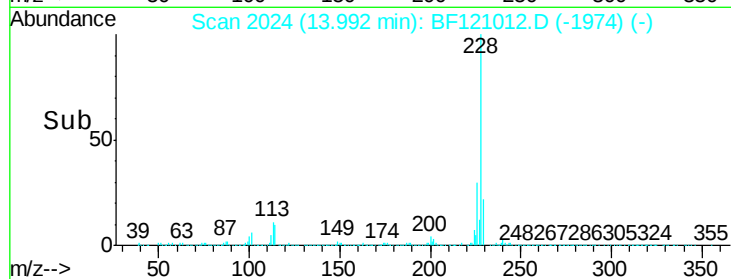
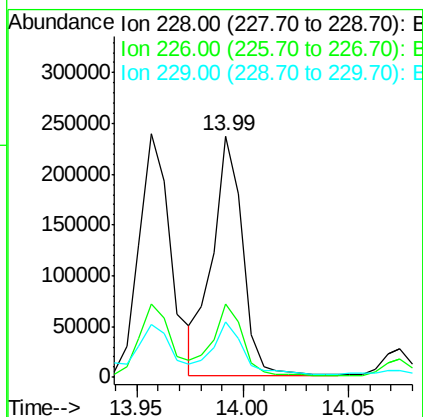
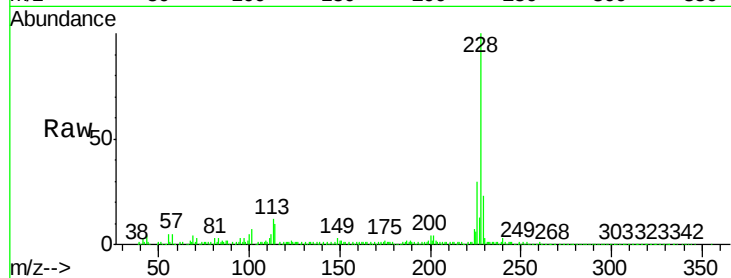




#83
Chrysene
Concen: 8.972 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

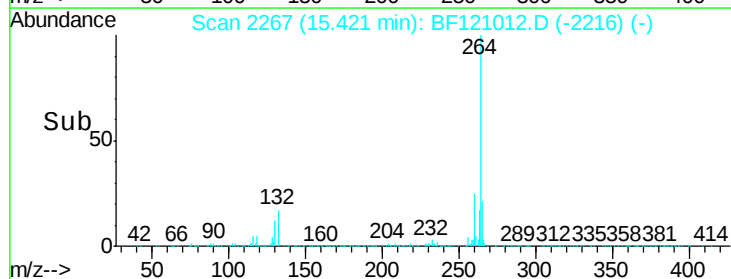
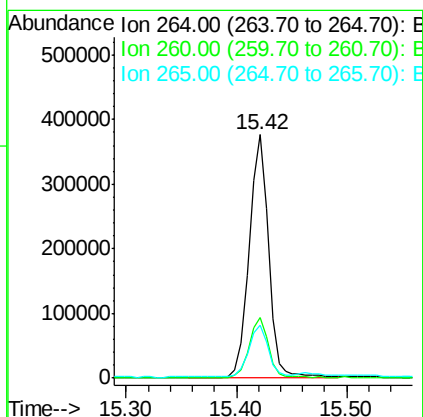
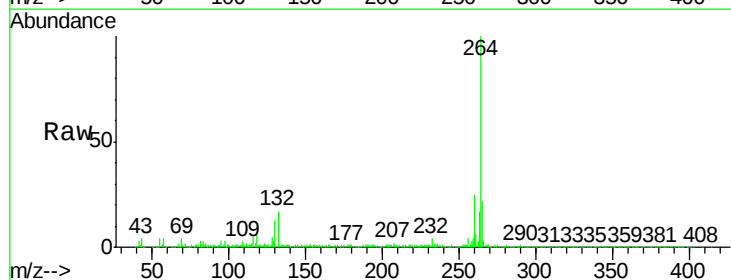
Instrument :
BNA_F
ClientSampleId :

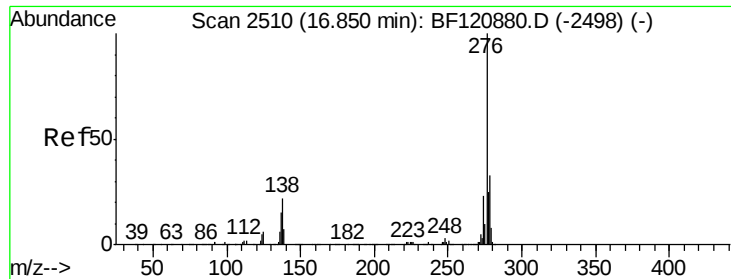
Tot Ion:228 Resp: 234587
Ion Ratio Lower Upper
228 100
226 30.4 25.6 38.4
229 22.9 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Tgt Ion:264 Resp: 463781
Ion Ratio Lower Upper
264 100
260 25.1 20.0 30.0
265 21.7 17.4 26.2

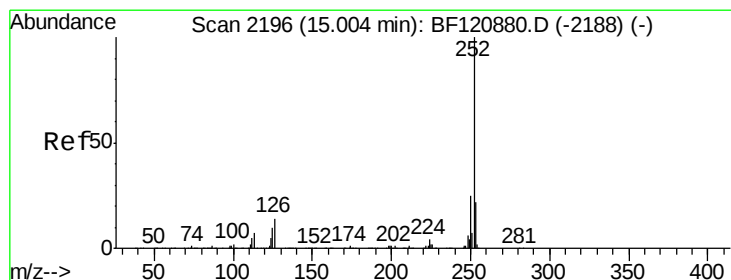
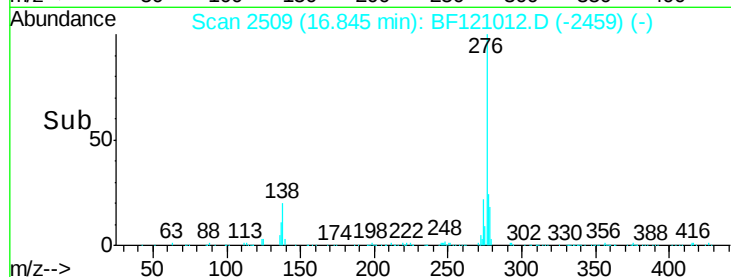
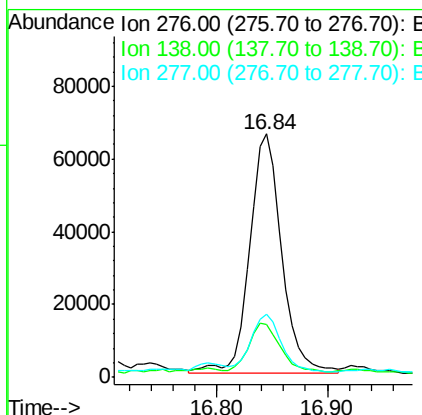
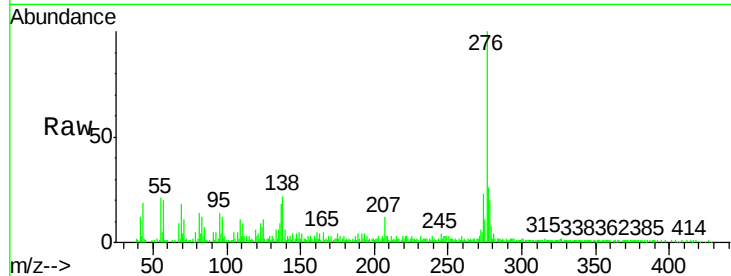




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.147 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. -0.01 min
 Lab File: BF121012.D
 Acq: 24 Jul 2020 19:50

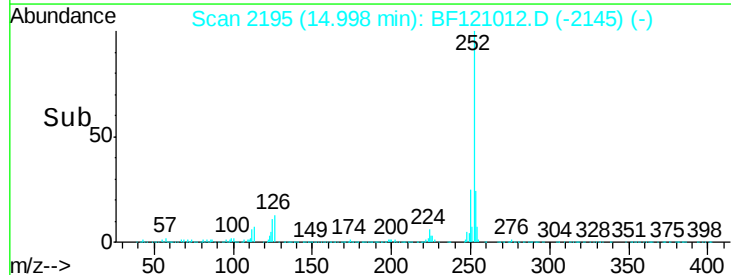
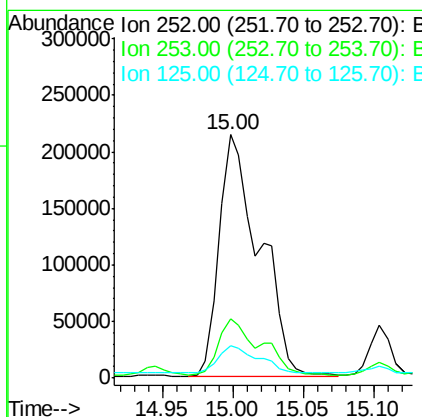
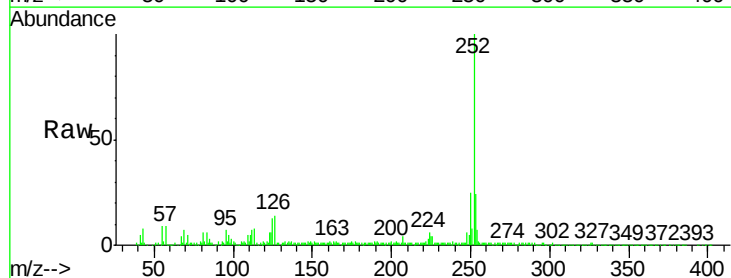
Instrument :
 BNA_F
 ClientSampleId :

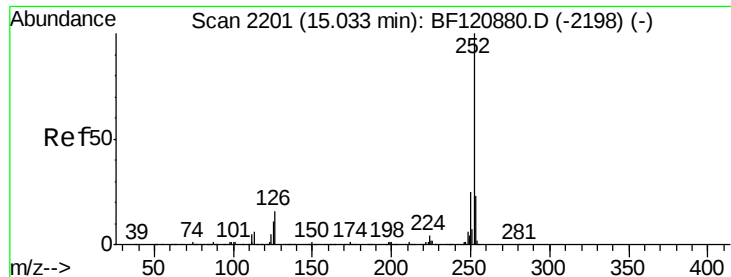
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.8	29.8
277	23.0	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 15.292 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BF121012.D
 Acq: 24 Jul 2020 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	13.3	8.3	12.5

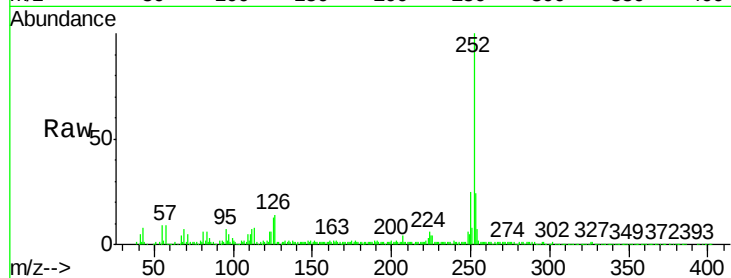




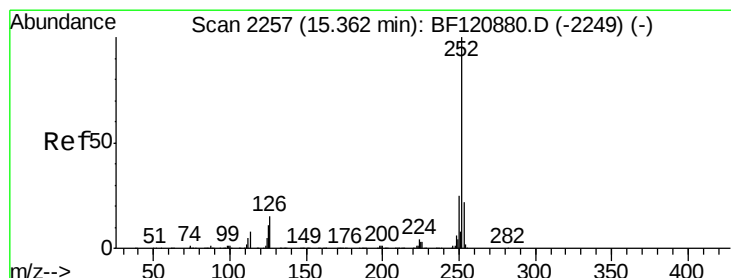
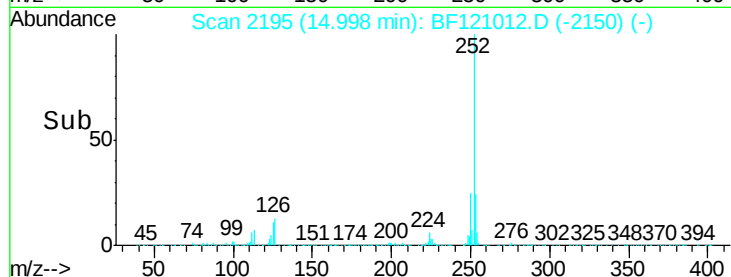
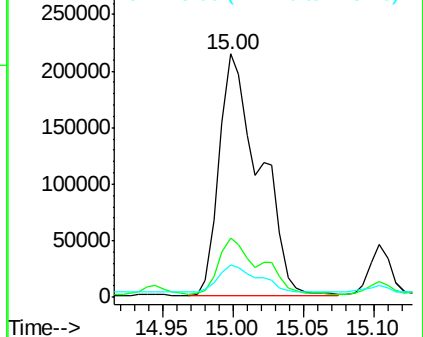
#89
Benzo(k)fluoranthene
Concen: 16.767 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	13.3	8.4	12.6

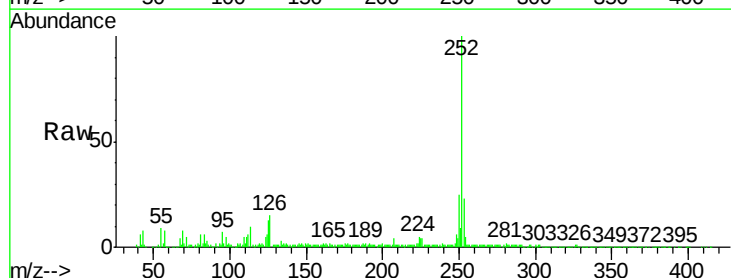


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

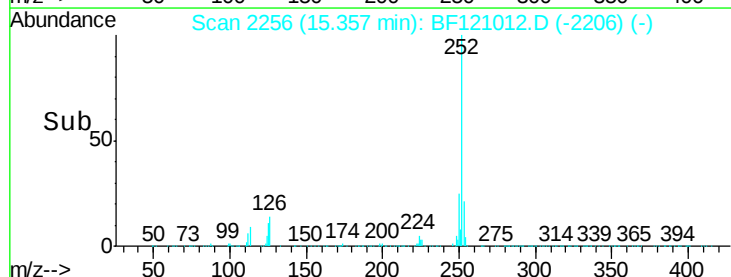
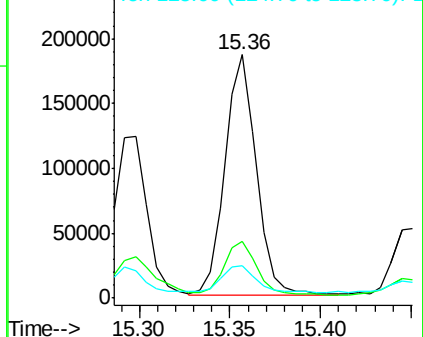


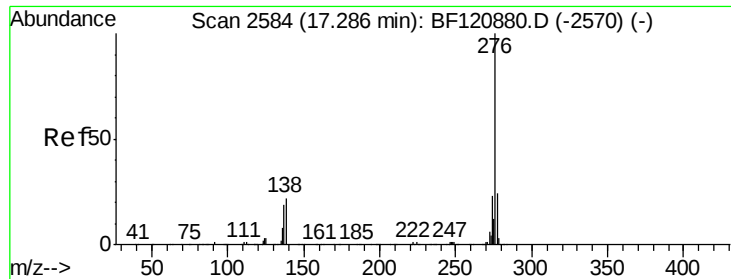
#90
Benzo(a)pyrene
Concen: 8.770 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121012.D
Acq: 24 Jul 2020 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	13.2	8.9	13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

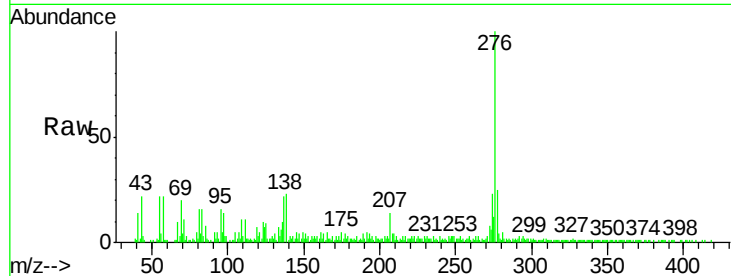




#92
 Benzo(a,h,i)perylene
 Concen: 4.492 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: BF121012.D
 Acq: 24 Jul 2020 19:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	23.3	17.5	26.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

