

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
 Data File : BF120253.D
 Acq On : 30 Apr 2020 21:35
 Operator : MA/SJ
 Sample : L2452-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 00:44:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 12:39:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	115736	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	437133	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	219556	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	433189	20.00	ng	0.00
76) Chrysene-d12	13.82	240	356048	20.00	ng	0.00
87) Perylene-d12	15.23	264	349221	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	712781	106.43	ng	0.00
7) Phenol-d6	6.31	99	875495	101.46	ng	0.00
23) Nitrobenzene-d5	7.22	82	544515	64.44	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	223113	83.00	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1023988	66.22	ng	0.00
79) Terphenyl-d14	12.77	244	1247668	58.96	ng	0.00

Target Compounds

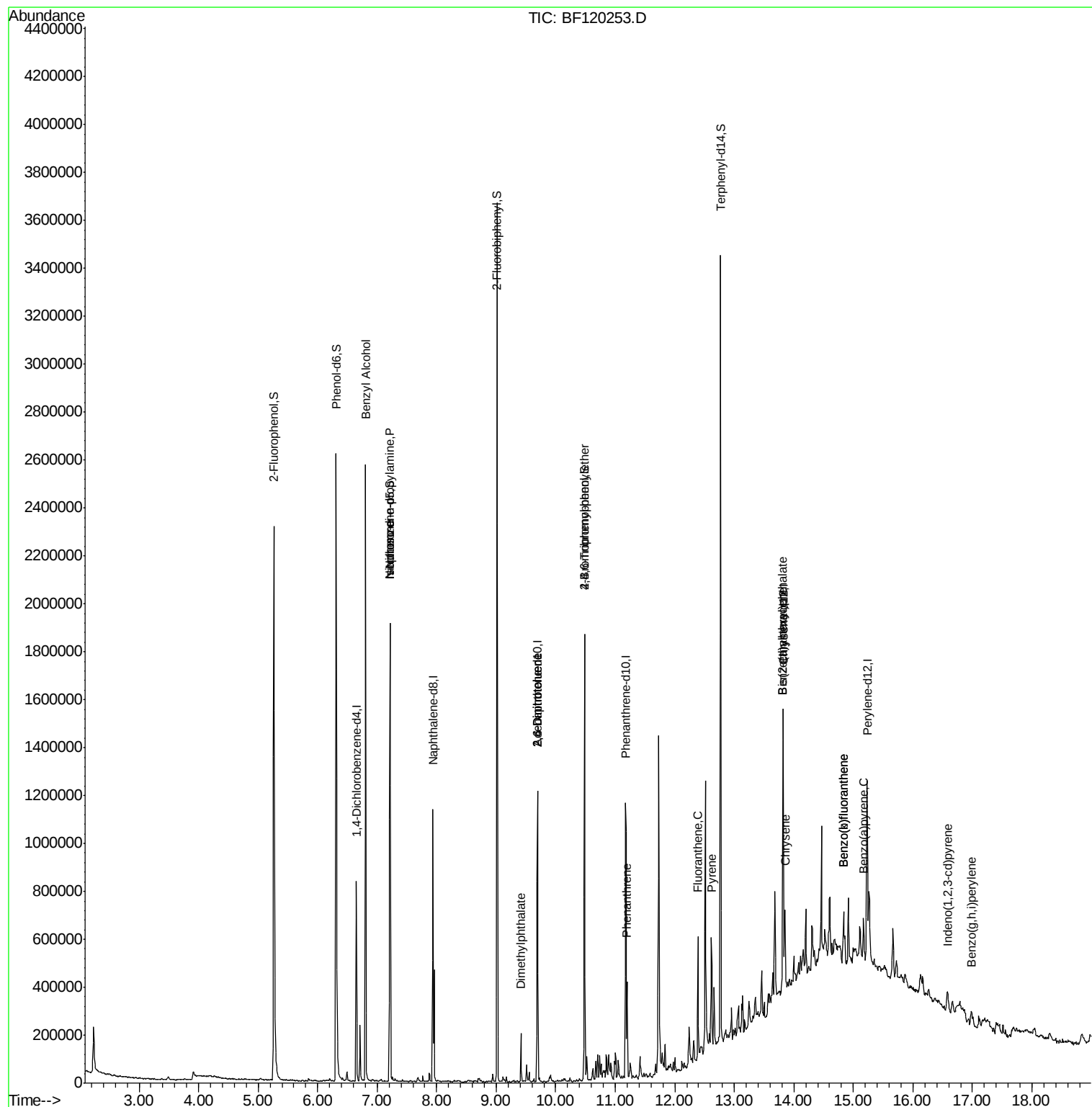
						Qvalue
9) Benzaldehyde	6.20	77	3185	Below Cal	#	76
15) Benzyl Alcohol	6.80	79	24690	3.684 ng	#	76
19) n-Nitroso-di-n-propylamine	7.22	70	72283	13.026 ng	#	77
25) Isophorone	7.22	82	544508	33.429 ng	#	65
50) Dimethylphthalate	9.42	163	73194	4.310 ng		99
51) 2,6-Dinitrotoluene	9.69	165	28853	7.759 ng	#	26
57) 2,4-Dinitrotoluene	9.69	165	28853	5.889 ng	#	20
67) 4-Bromophenyl-phenylether	10.49	248	14162	2.629 ng	#	1
71) Phenanthrene	11.20	178	141726	6.147 ng		96
75) Fluoranthene	12.39	202	219770	8.835 ng		94
78) Pyrene	12.62	202	188774	6.289 ng		97
81) Benzo(a)anthracene	13.81	228	73094	3.121 ng		93
83) Chrysene	13.85	228	79625	3.346 ng		98
84) Bis(2-ethylhexyl)phthalate	13.81	149	51755	2.624 ng	#	96
86) Indeno(1,2,3-cd)pyrene	16.58	276	48822	2.327 ng		97
88) Benzo(b)fluoranthene	14.83	252	131200	5.222 ng	#	93
89) Benzo(k)fluoranthene	14.83	252	131200	6.053 ng	#	92
90) Benzo(a)pyrene	15.17	252	69527	3.292 ng	#	93
92) Benzo(a,h,i)perylene	16.99	276	45444	2.461 ng		96

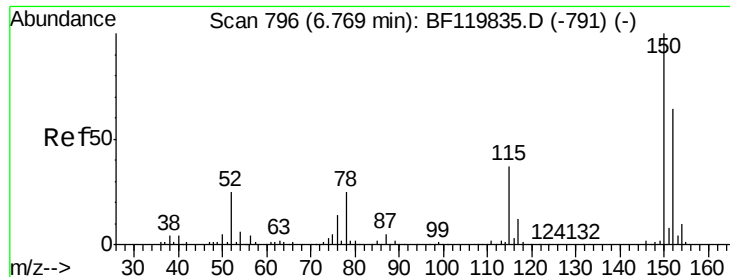
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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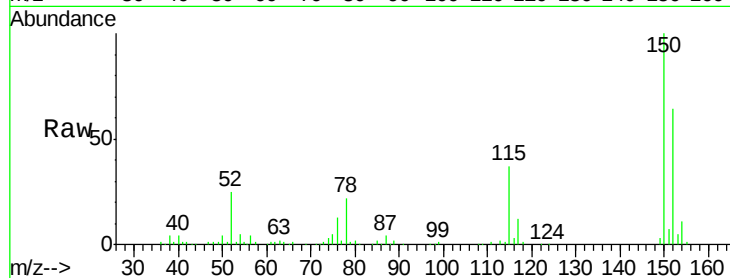


#1

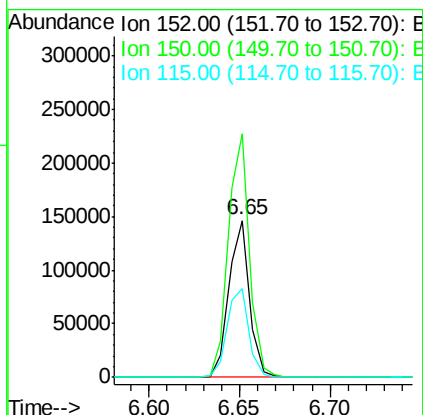
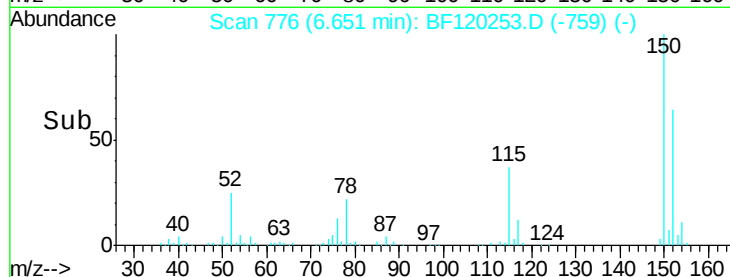
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115736
Ion Ratio Lower Upper
152 100
150 155.4 124.5 186.7
115 57.0 49.6 74.4



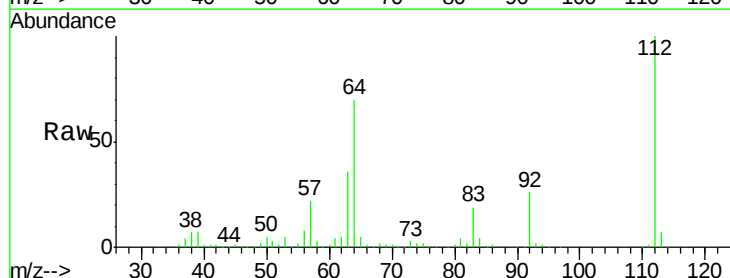
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



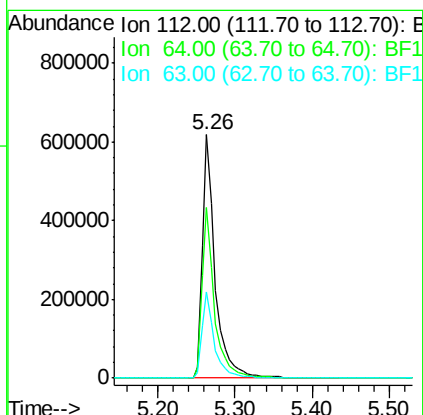
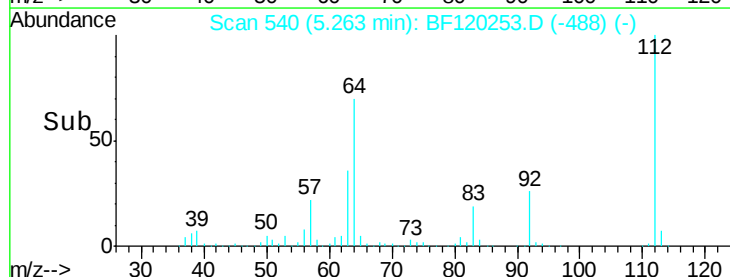
#5

2-Fluorophenol
Concen: 106.433 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Tgt Ion:112 Resp: 712781
Ion Ratio Lower Upper
112 100
64 70.1 56.7 85.1
63 35.5 29.5 44.3



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: 101.455 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Instrument :

BNA_F

ClientSampled :

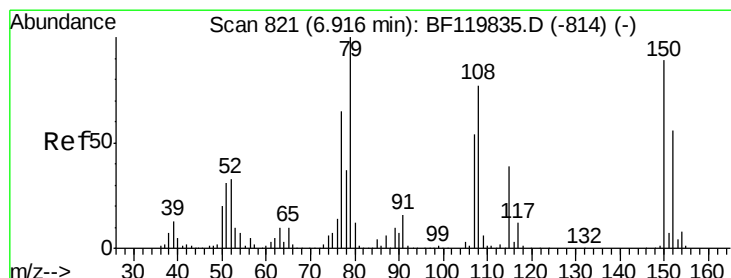
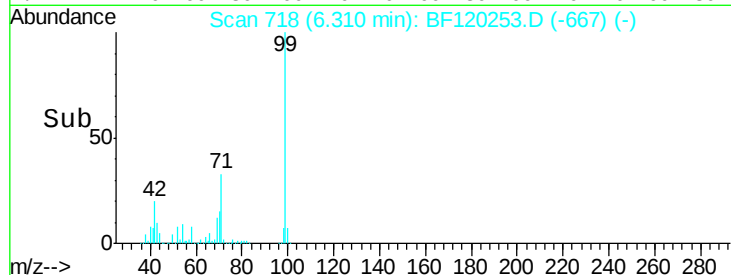
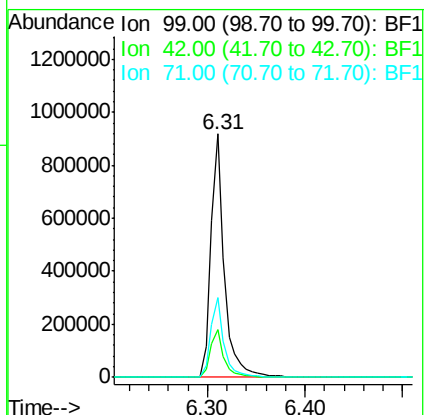
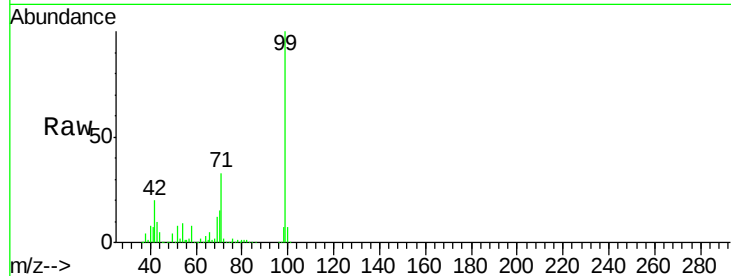
Tot Ion: 99 Resp: 875495

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 32.7 26.4 39.6



#15

Benzyl Alcohol

Concen: 3.684 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

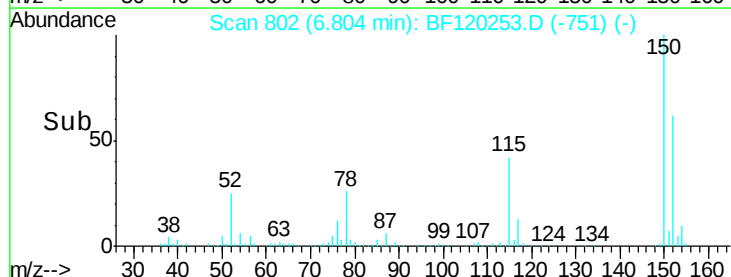
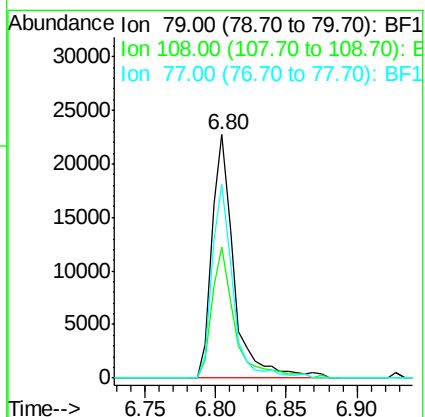
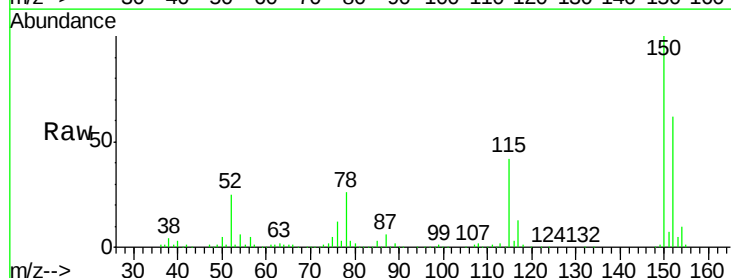
Tgt Ion: 79 Resp: 24690

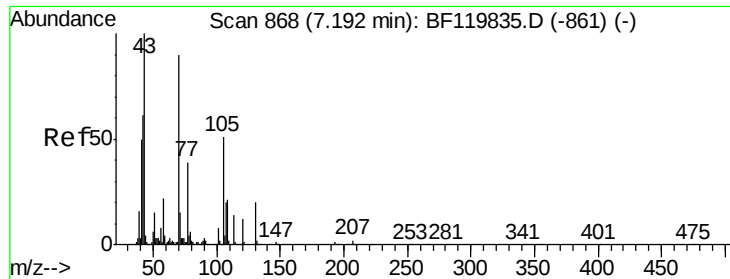
Ion Ratio Lower Upper

79 100

108 53.6 60.6 90.8#

77 79.7 50.2 75.2#

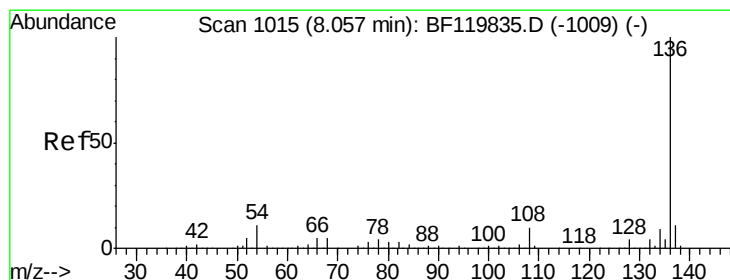
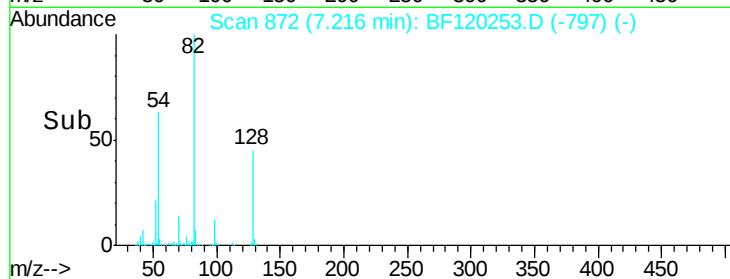
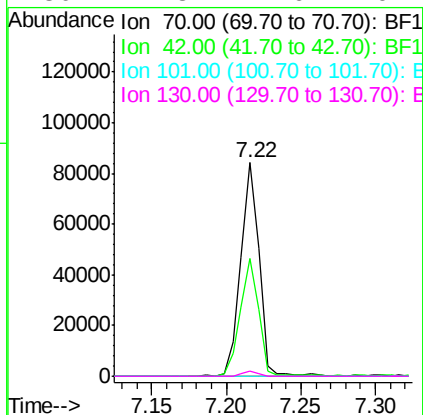
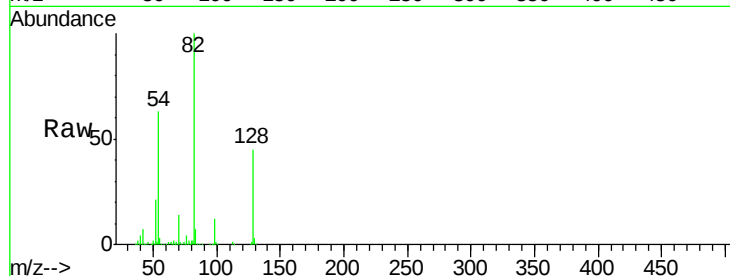




#19
 n-Nitroso-di-n-propylamine
 Concen: 13.026 ng
 RT: 7.22 min Scan# 872
 Delta R.T. 0.14 min
 Lab File: BF120253.D
 Acq: 30 Apr 2020 21:35

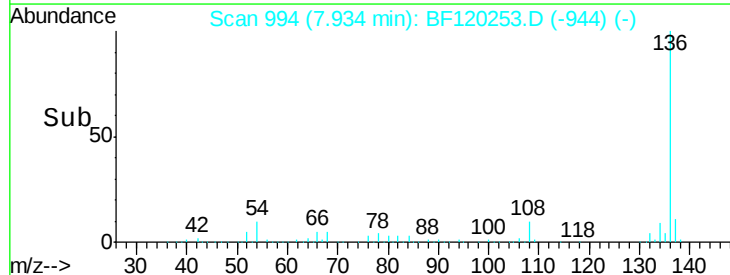
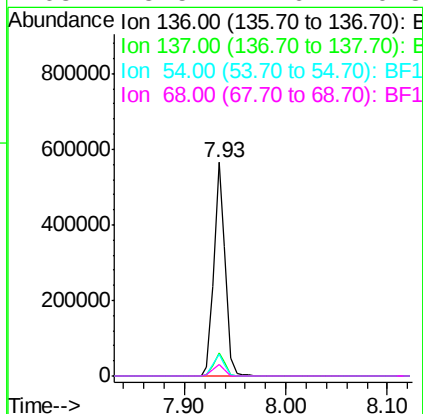
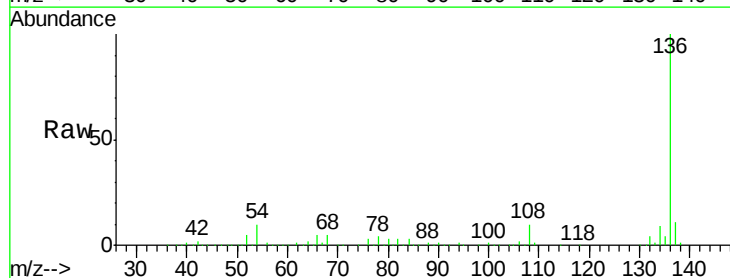
Instrument :
 BNA_F
 ClientSampleId :

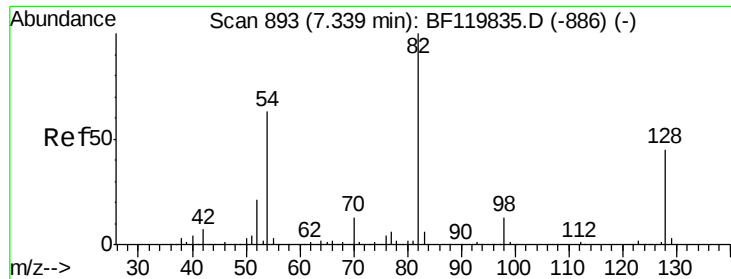
Tot Ion: 70 Resp: 72283
 Ion Ratio Lower Upper
 70 100
 42 55.1 54.5 81.7
 101 0.0 7.6 11.4#
 130 2.3 17.6 26.4#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF120253.D
 Acq: 30 Apr 2020 21:35

Tgt Ion: 136 Resp: 437133
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 10.4 9.1 13.7
 68 5.5 4.6 6.8

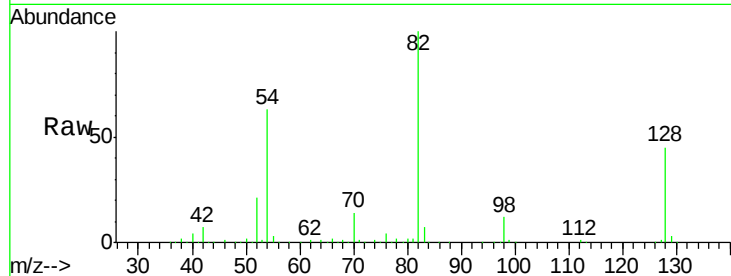




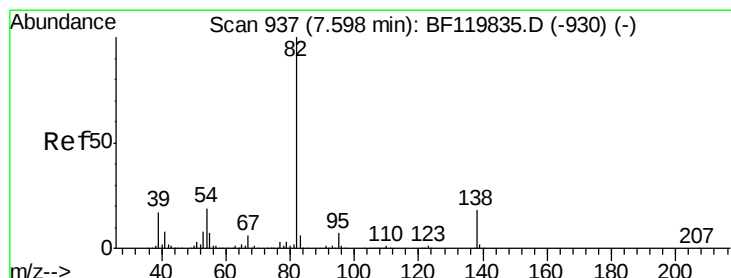
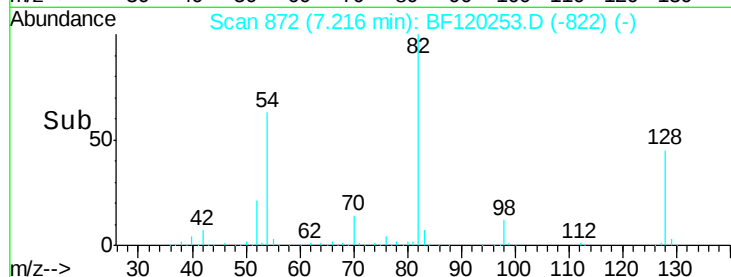
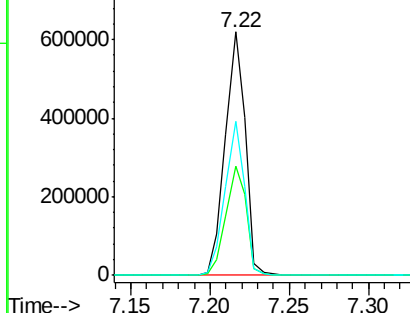
#23
Nitrobenzene-d5
Concen: 64.442 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	544515
Ion Ratio	Lower	Upper	
82	100		
128	44.7	36.3	54.5
54	63.4	50.6	75.8

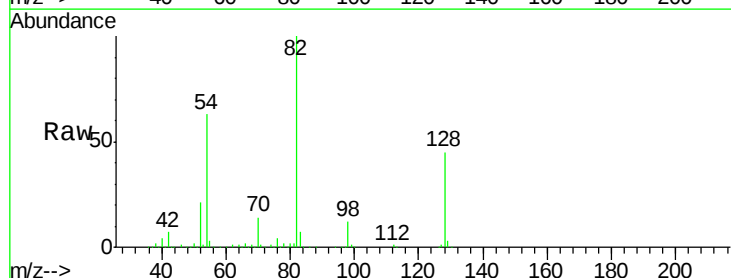


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

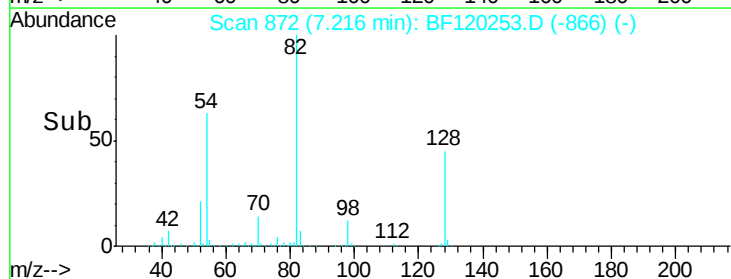
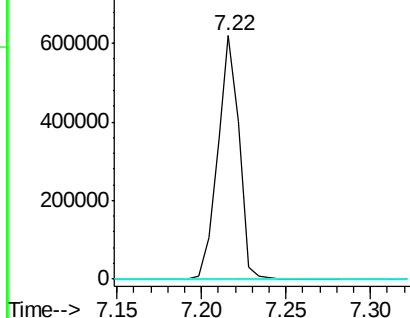


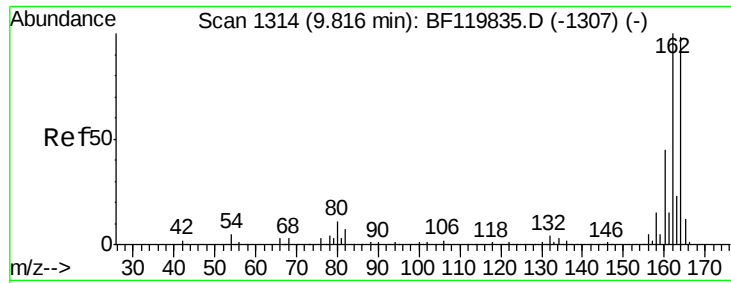
#25
Isophorone
Concen: 33.429 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.26 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Tgt Ion	82	Resp	544508
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#



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

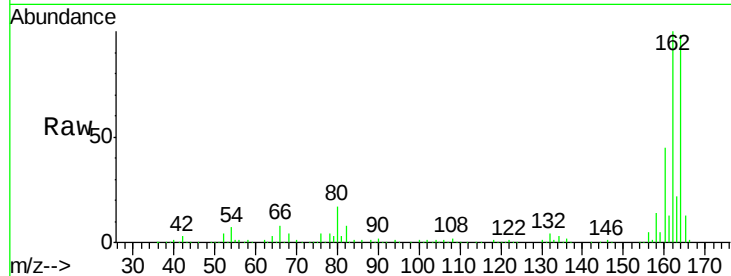




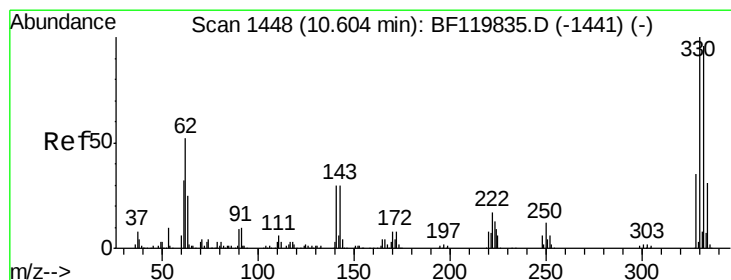
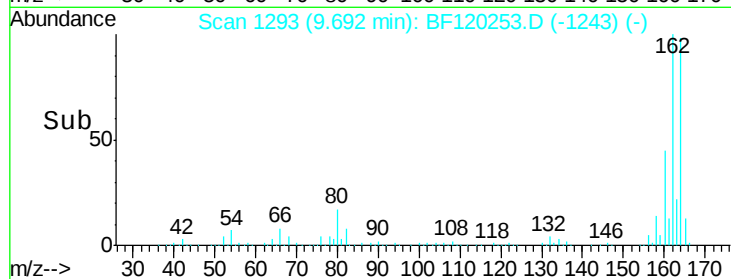
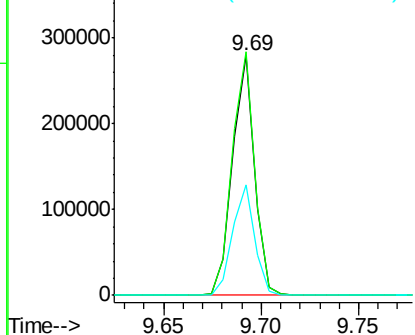
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 219556
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 46.2 35.7 53.5

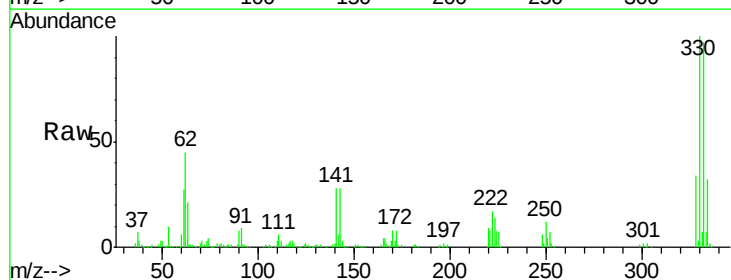


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

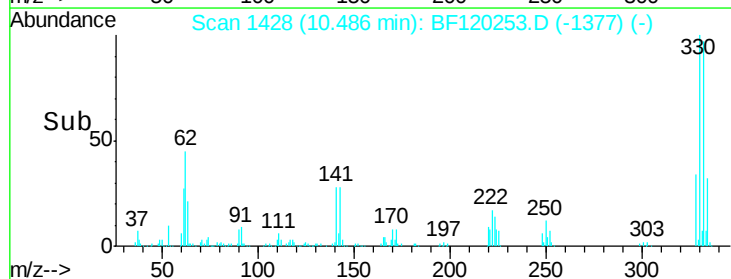
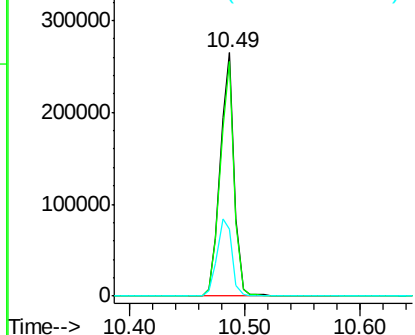


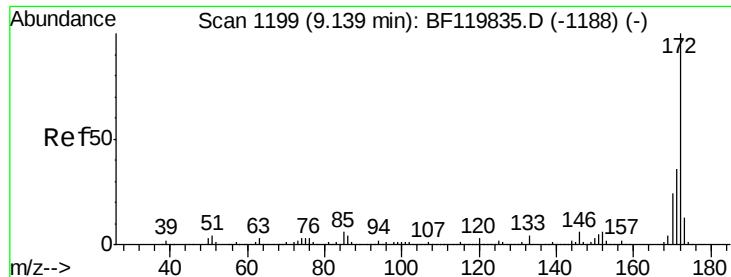
#42
2,4,6-Tribromophenol
Concen: 83.000 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Tgt Ion:330 Resp: 223113
Ion Ratio Lower Upper
330 100
332 95.1 75.7 113.5
141 34.3 25.4 38.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

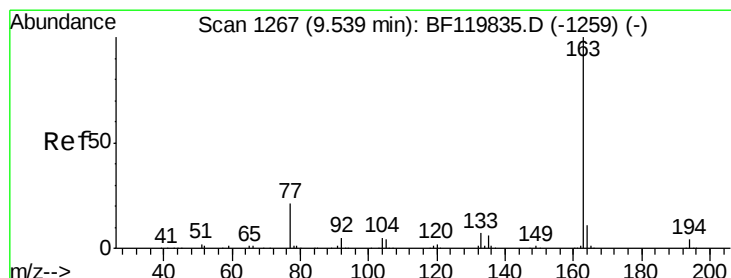
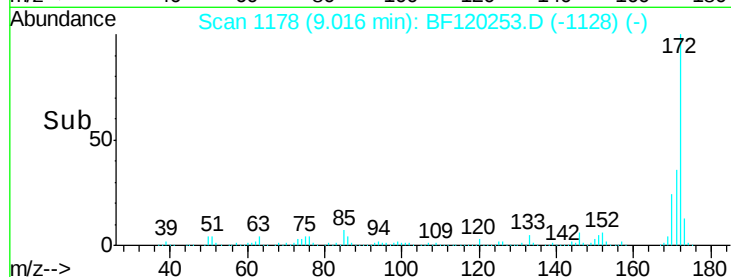
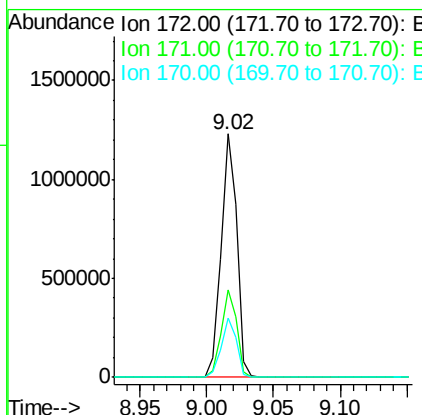
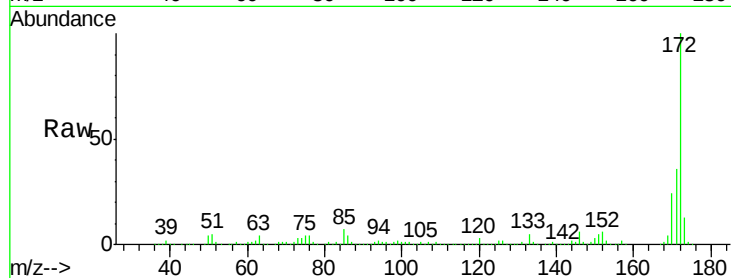




#45
2-Fluorobiphenyl
Concen: 66.217 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

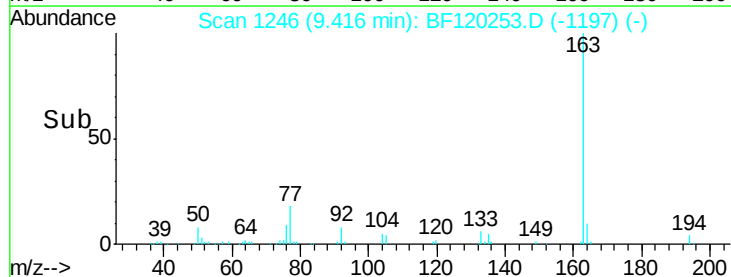
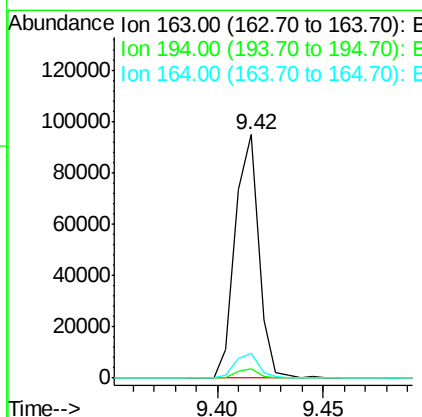
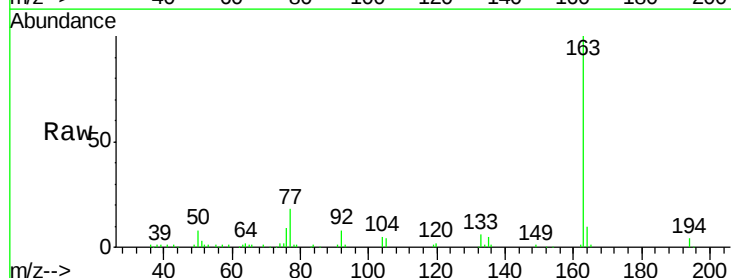
Instrument :
BNA_F
ClientSampleId :

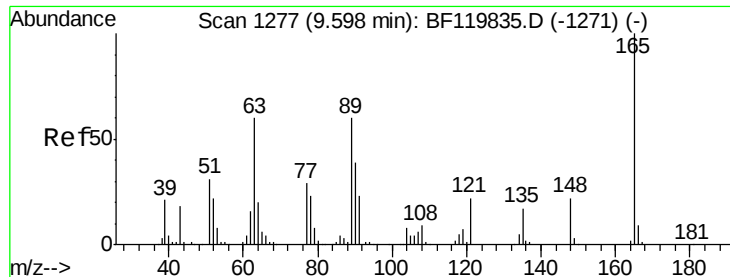
Tot Ion:172 Resp: 1023988
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.2 20.2 30.2



#50
Dimethylphthalate
Concen: 4.310 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Tgt Ion:163 Resp: 73194
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 7.759 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.20 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Instrument :

BNA_F

ClientSampleId :

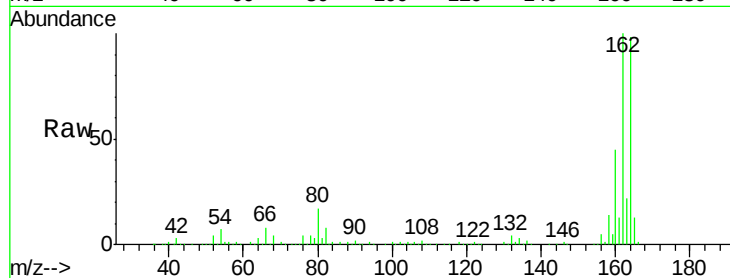
Tot Ion:165 Resp: 28853

Ion Ratio Lower Upper

165 100

63 1.1 45.0 67.4#

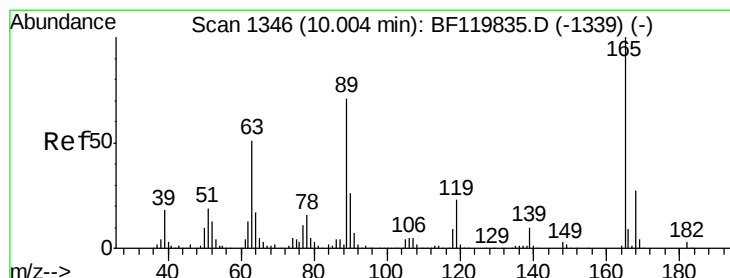
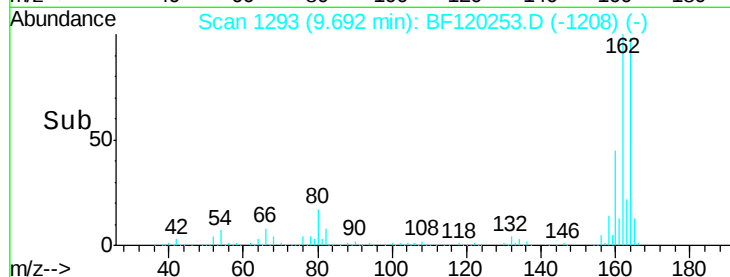
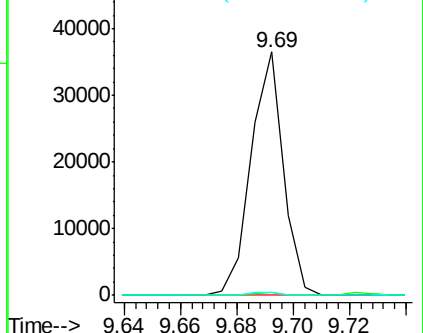
89 1.2 41.5 62.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.889 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.21 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Tgt Ion:165 Resp: 28853

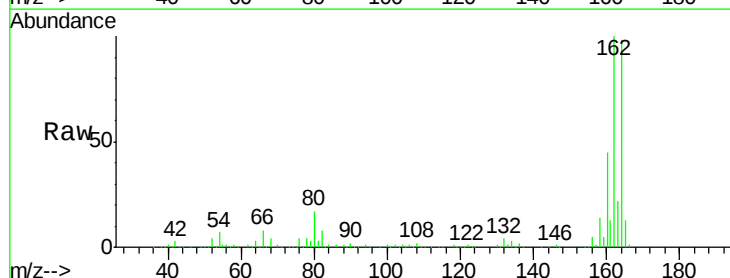
Ion Ratio Lower Upper

165 100

63 1.1 42.6 64.0#

89 1.2 61.0 91.4#

182 0.0 2.2 3.2#

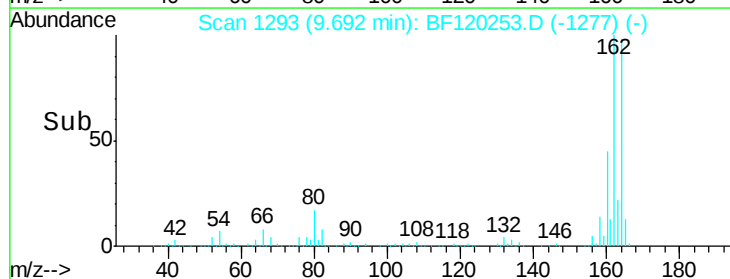
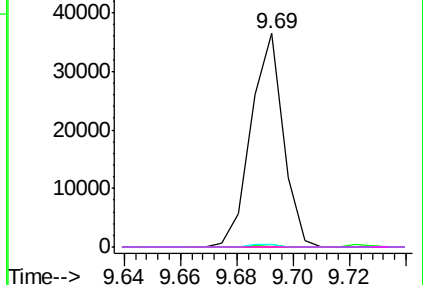


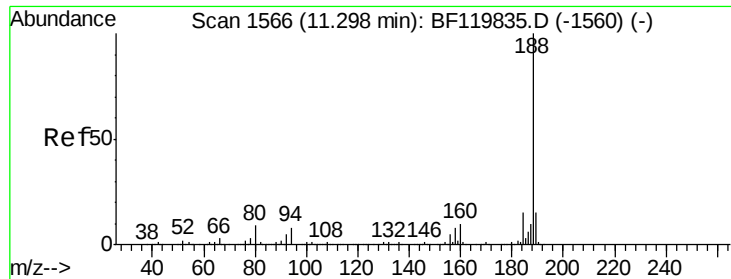
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Instrument :

BNA_F

ClientSampleId :

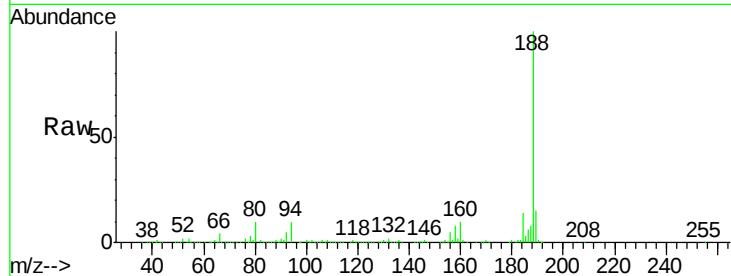
Tot Ion:188 Resp: 433189

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

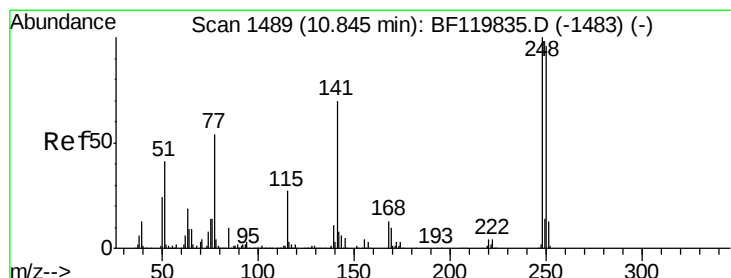
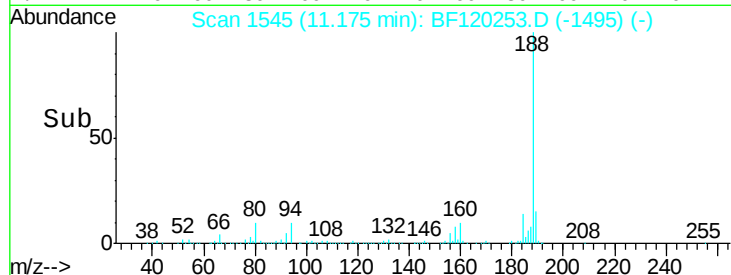
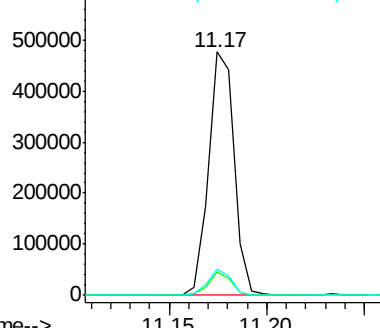
80 10.5 9.0 13.4



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



#67

4-Bromophenyl-phenylether

Concen: 2.629 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.24 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

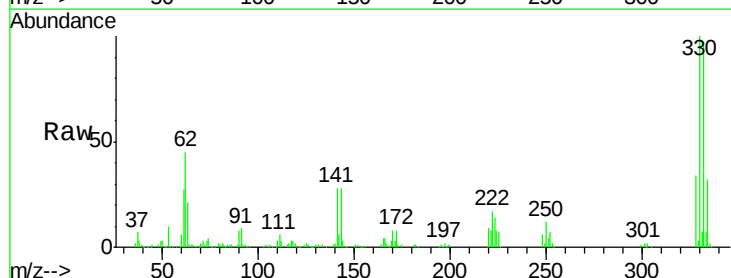
Tgt Ion:248 Resp: 14162

Ion Ratio Lower Upper

248 100

250 185.7 77.3 115.9#

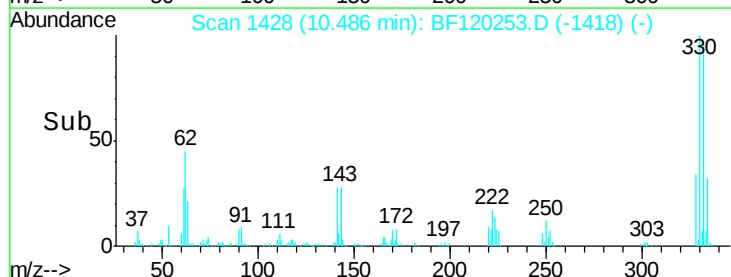
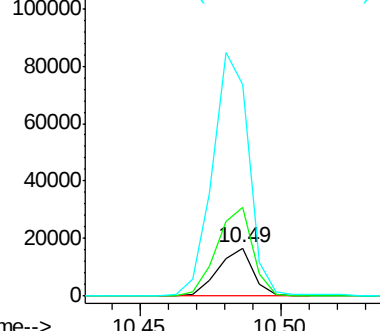
141 440.4 58.6 87.8#

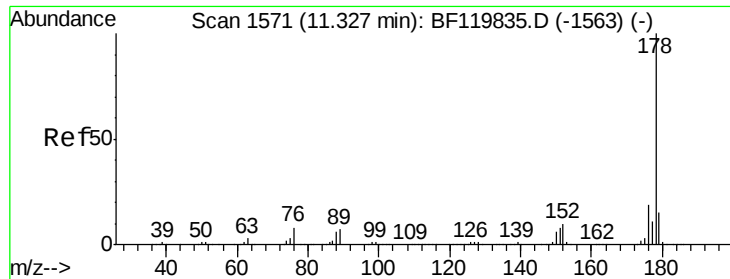


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.147 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

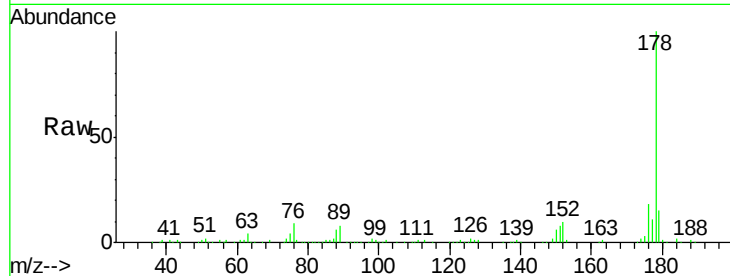
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 141726

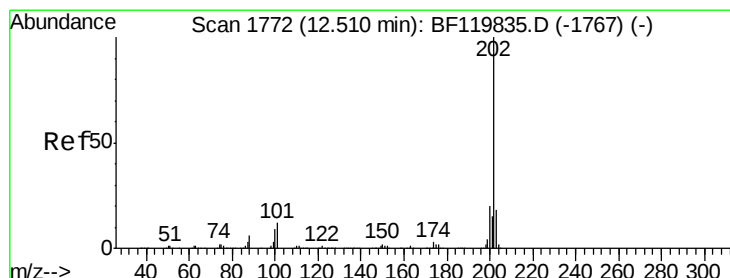
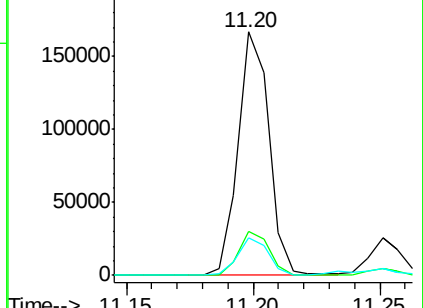
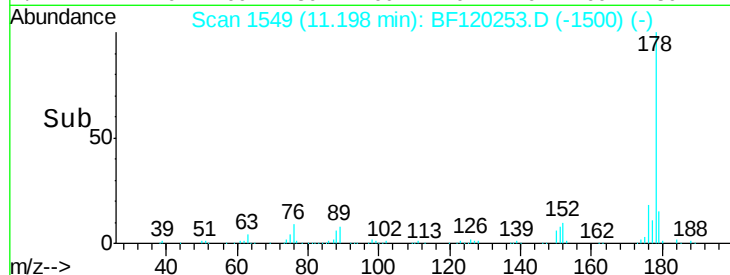
Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	15.4	13.2	19.8



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: 8.835 ng

RT: 12.39 min Scan# 1752

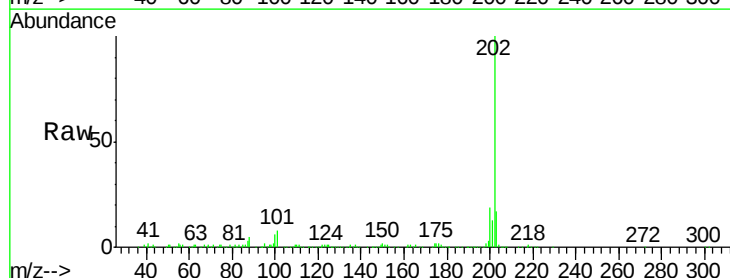
Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Tgt Ion:202 Resp: 219770

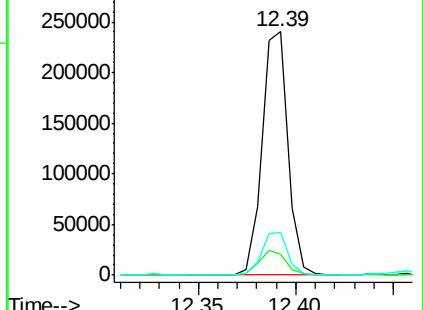
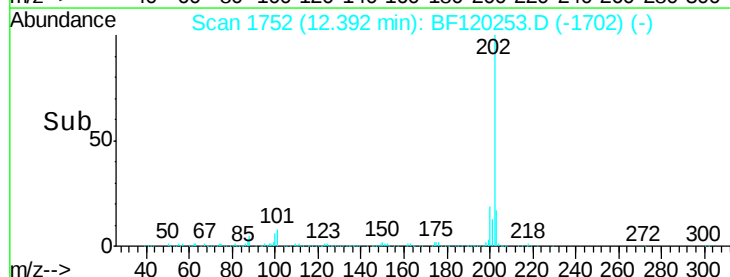
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	32.2
203	17.5	0.0	38.8

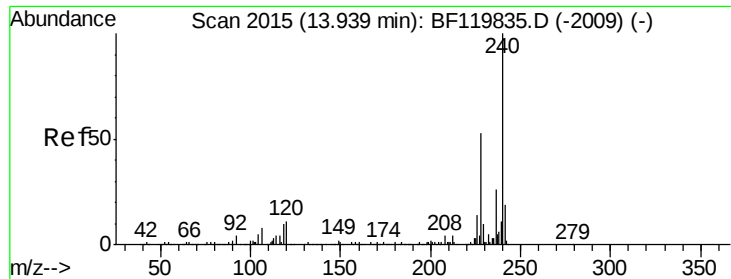


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Instrument :

BNA_F

ClientSampleId :

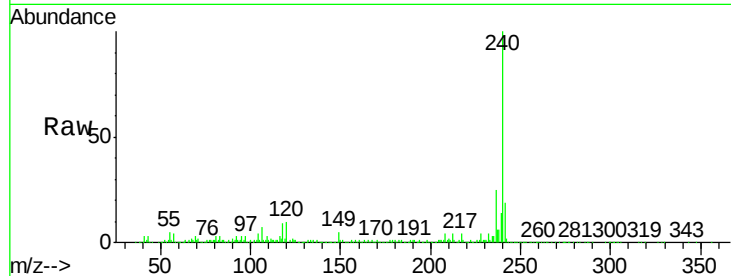
Tot Ion:240 Resp: 356048

Ion Ratio Lower Upper

240 100

120 10.5 10.6 15.8#

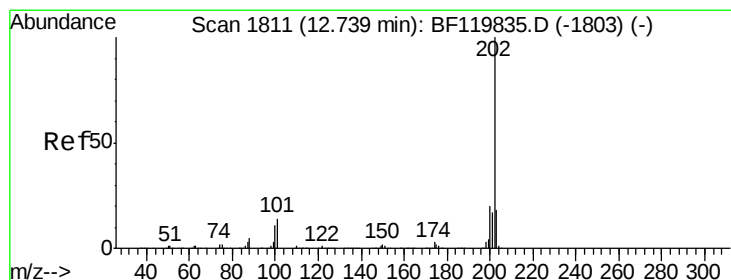
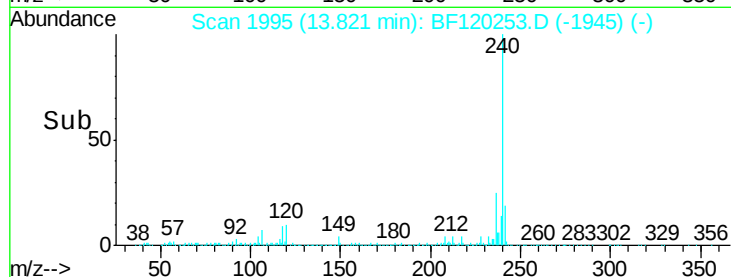
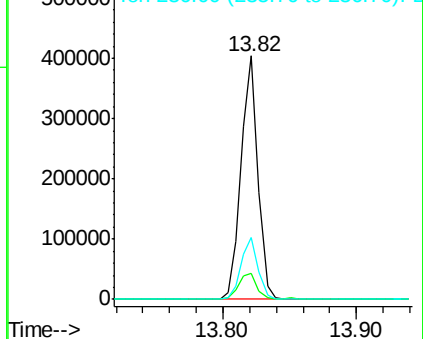
236 25.4 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 6.289 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

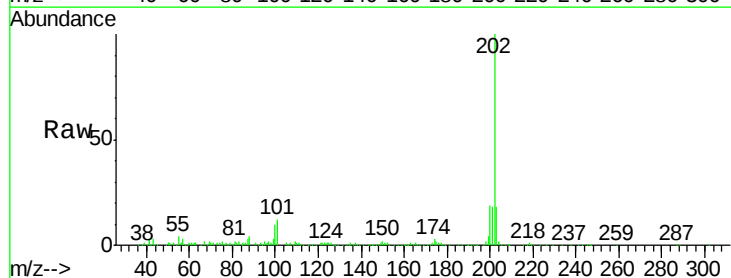
Tgt Ion:202 Resp: 188774

Ion Ratio Lower Upper

202 100

200 19.3 16.8 25.2

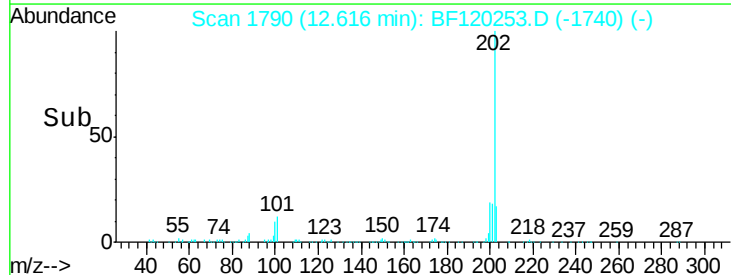
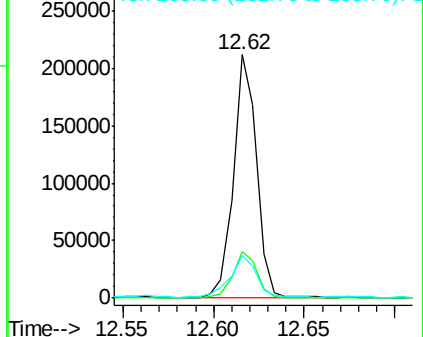
203 17.7 15.1 22.7

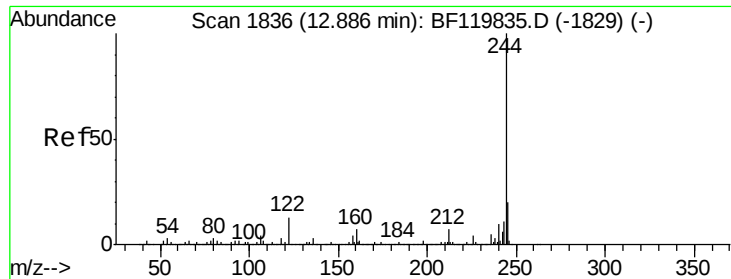


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 58.964 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Instrument :

BNA_F

ClientSampleId :

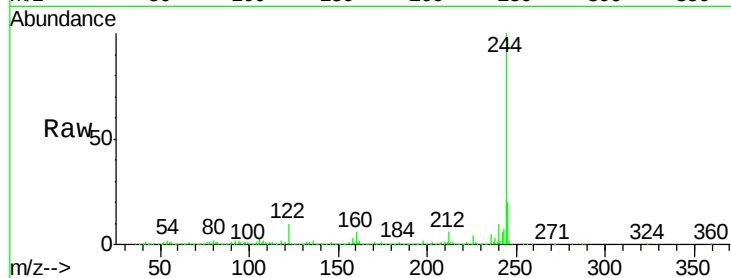
Tot Ion:244 Resp: 1247668

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

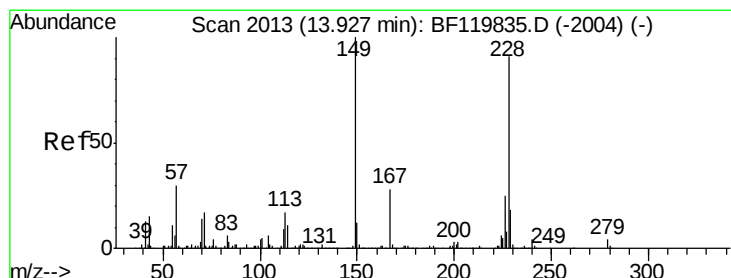
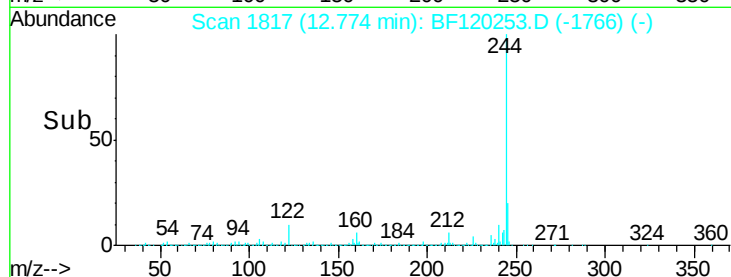
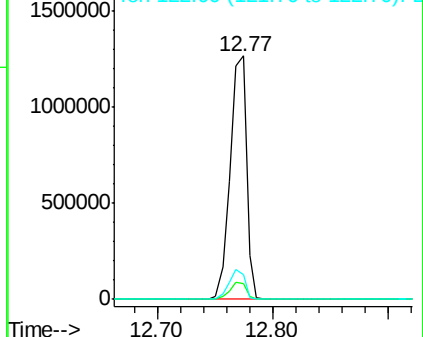
122 10.1 10.3 15.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.121 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

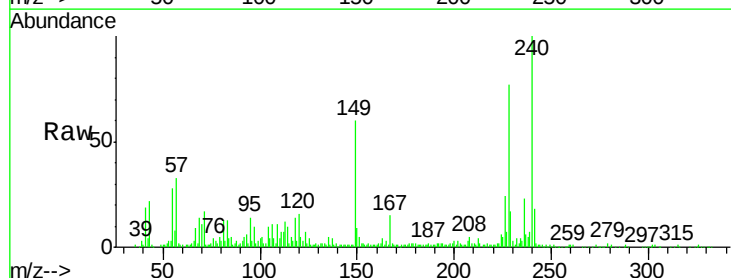
Tgt Ion:228 Resp: 73094

Ion Ratio Lower Upper

228 100

226 31.9 21.8 32.8

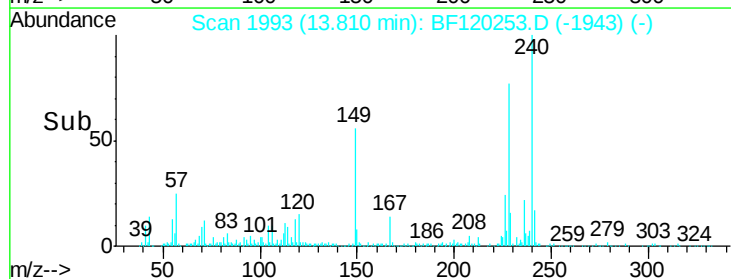
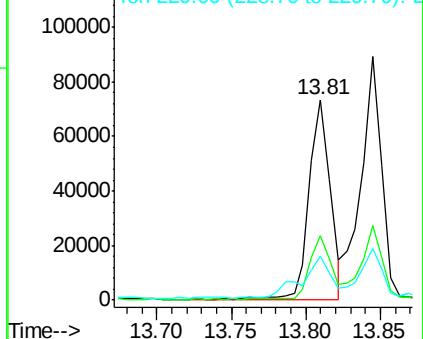
229 22.2 16.2 24.4

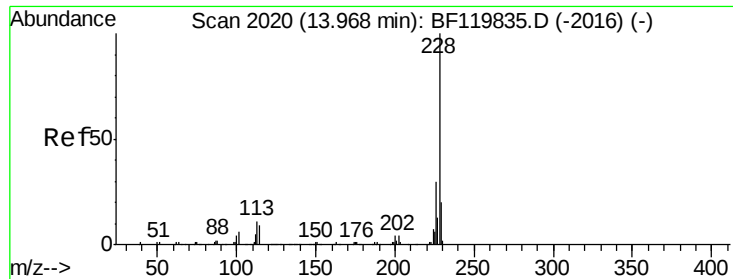


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.346 ng

RT: 13.85 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Instrument :

BNA_F

ClientSampleId :

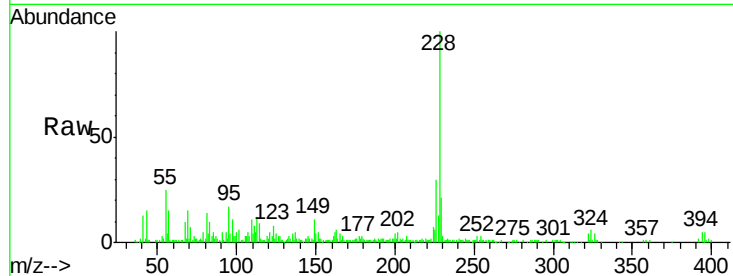
Tot Ion:228 Resp: 79625

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	21.1	16.6	24.8

228 100

226 30.4 25.4 38.0

229 21.1 16.6 24.8

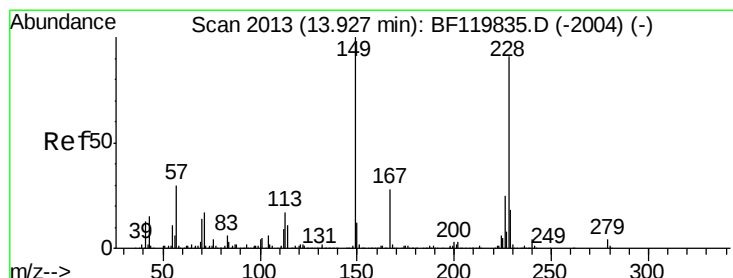
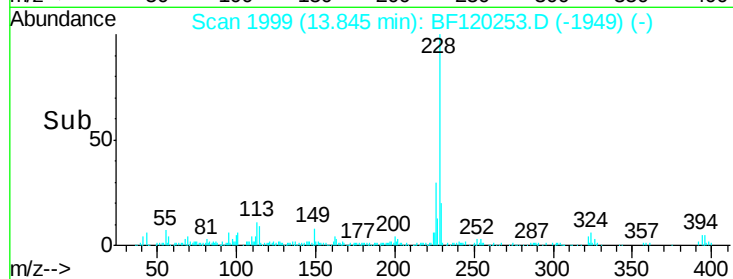
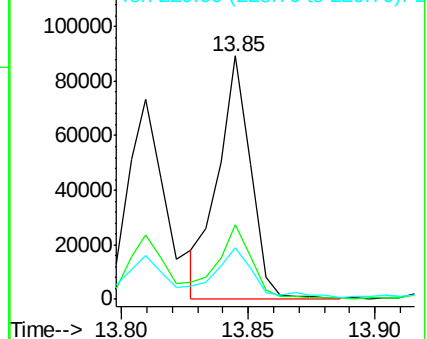


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.624 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

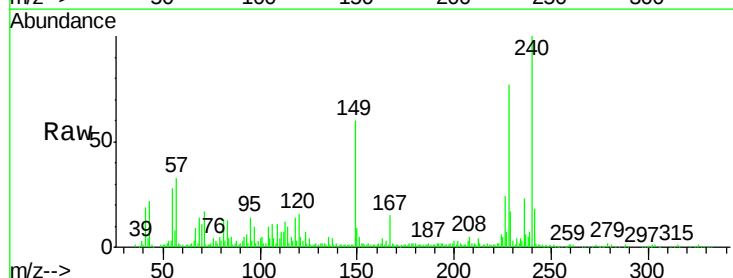
Tgt Ion:149 Resp: 51755

Ion	Ratio	Lower	Upper
149	100		
167	24.3	21.3	31.9
279	2.6	2.7	4.1#

149 100

167 24.3 21.3 31.9

279 2.6 2.7 4.1#

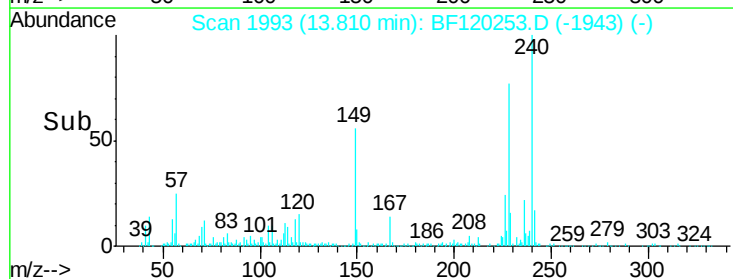
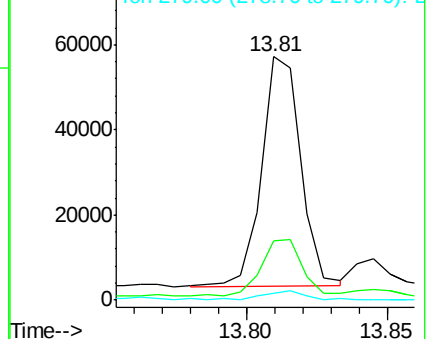


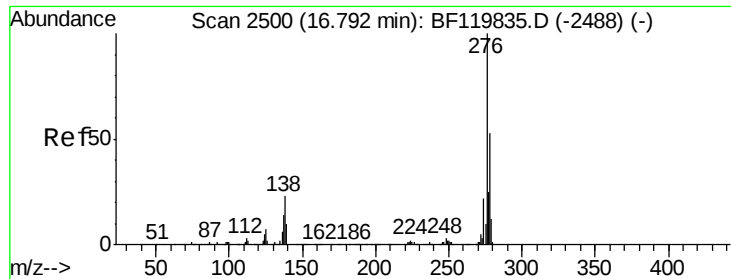
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

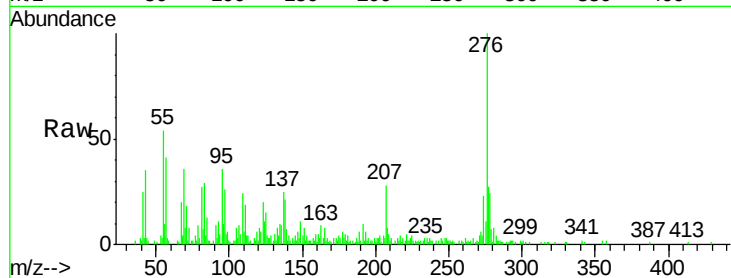




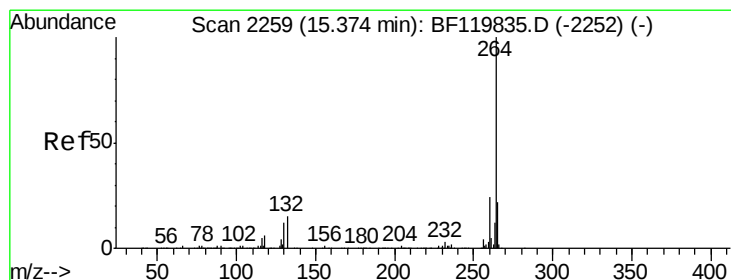
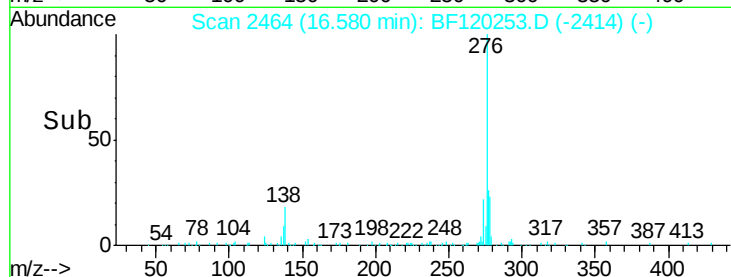
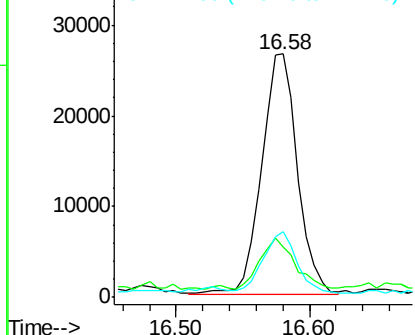
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.327 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 48822
Ion Ratio Lower Upper
276 100
138 21.8 19.6 29.4
277 24.5 20.0 30.0

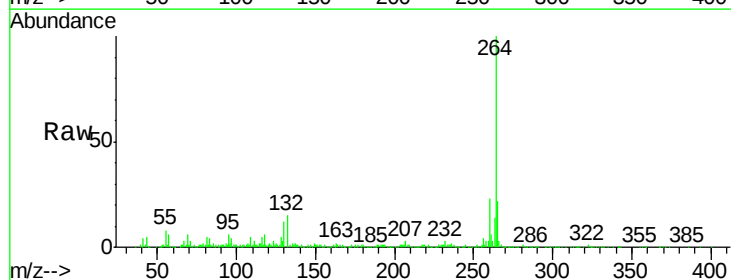


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

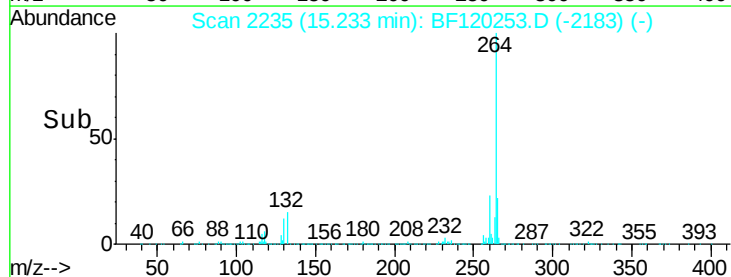
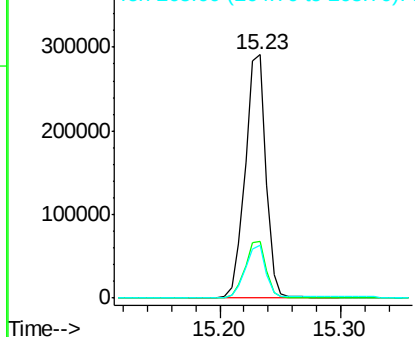


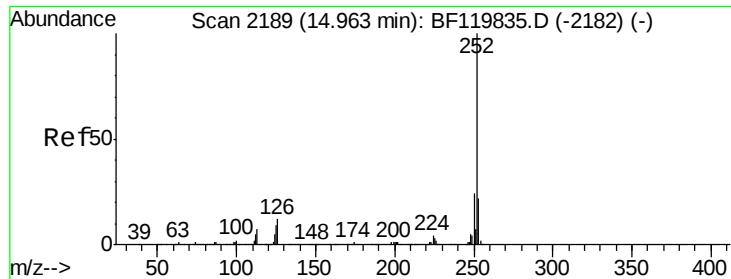
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Tgt Ion:264 Resp: 349221
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.222 ng

RT: 14.83 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

Instrument :

BNA_F

ClientSampleId :

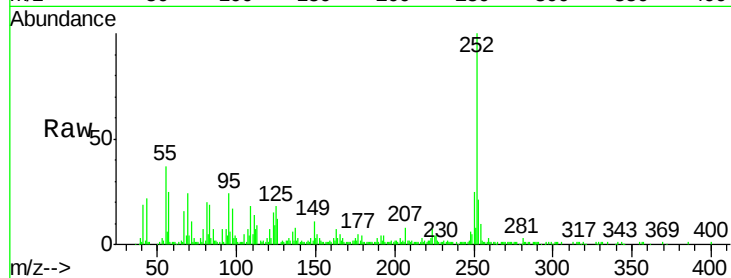
Tot Ion:252 Resp: 131200

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

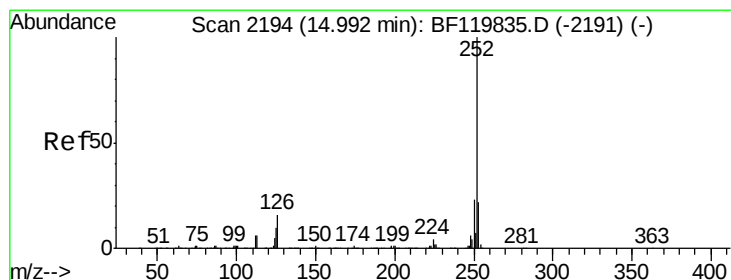
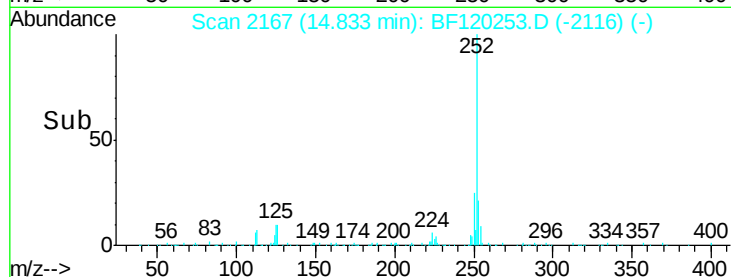
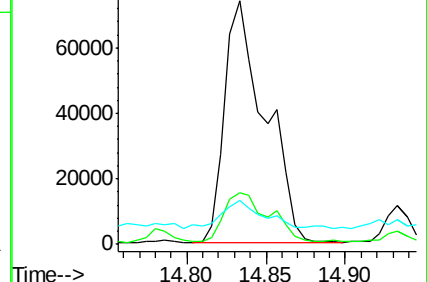
125 18.2 7.9 11.9#



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



#89

Benzo(k)fluoranthene

Concen: 6.053 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BF120253.D

Acq: 30 Apr 2020 21:35

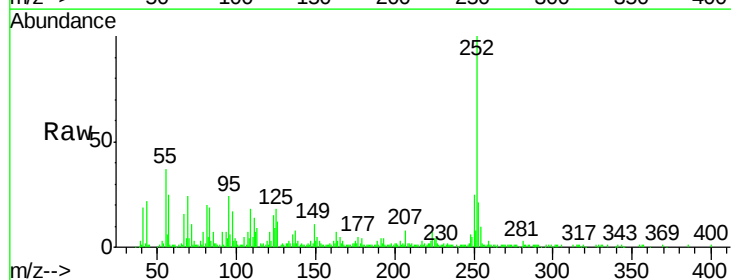
Tgt Ion:252 Resp: 131200

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

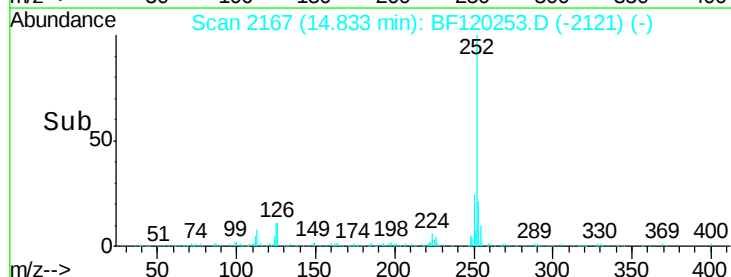
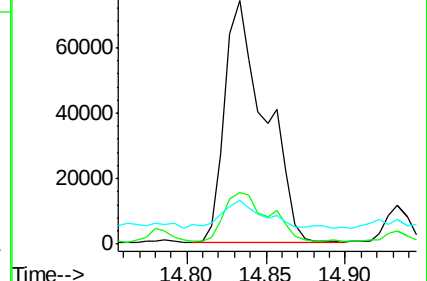
125 18.2 8.4 12.6#

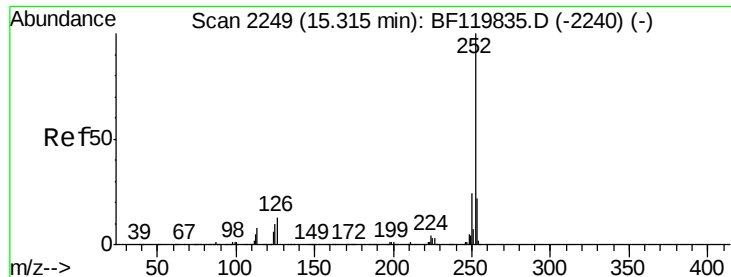


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

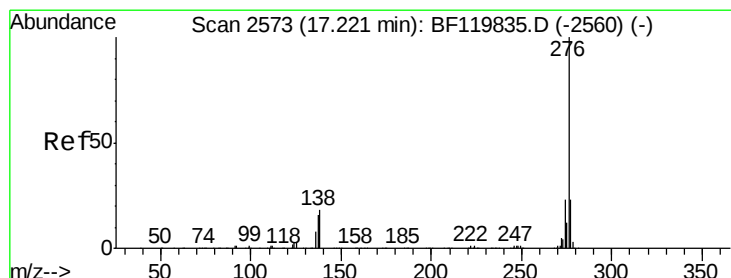
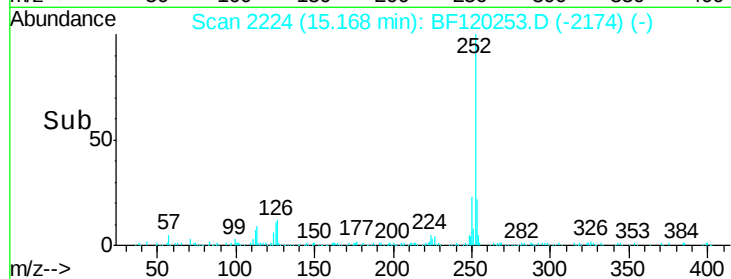
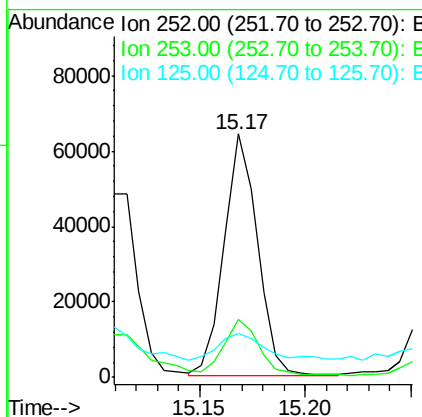
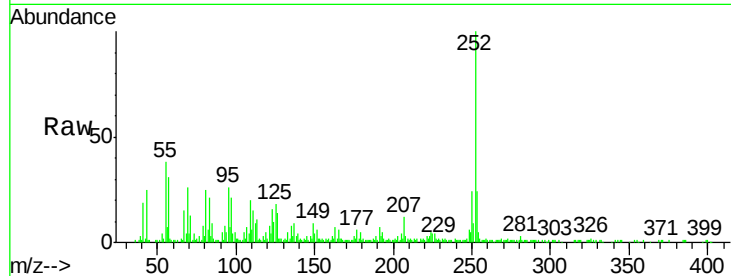




#90
Benzo(a)pyrene
Concen: 3.292 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 69527
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 18.3 9.4 14.2#



#92
Benzo(g,h,i)perylene
Concen: 2.461 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF120253.D
Acq: 30 Apr 2020 21:35

Tgt Ion:276 Resp: 45444
Ion Ratio Lower Upper
276 100
277 25.6 18.4 27.6
138 20.5 15.4 23.0

