

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042020\
 Data File : BF120077.D
 Acq On : 20 Apr 2020 15:02
 Operator : MA/SJ
 Sample : L2242-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1RE

Quant Time: Apr 20 15:41:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	145914	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	524387	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	290163	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	519327	20.00	ng	0.00
76) Chrysene-d12	13.89	240	396176	20.00	ng	-0.01
87) Perylene-d12	15.31	264	282691	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	801660	94.95	ng	0.00
7) Phenol-d6	6.36	99	1050718	96.58	ng	0.00
23) Nitrobenzene-d5	7.28	82	578125	57.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	250395	70.48	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1167893	57.15	ng	0.00
79) Terphenyl-d14	12.84	244	1429579	60.72	ng	0.00

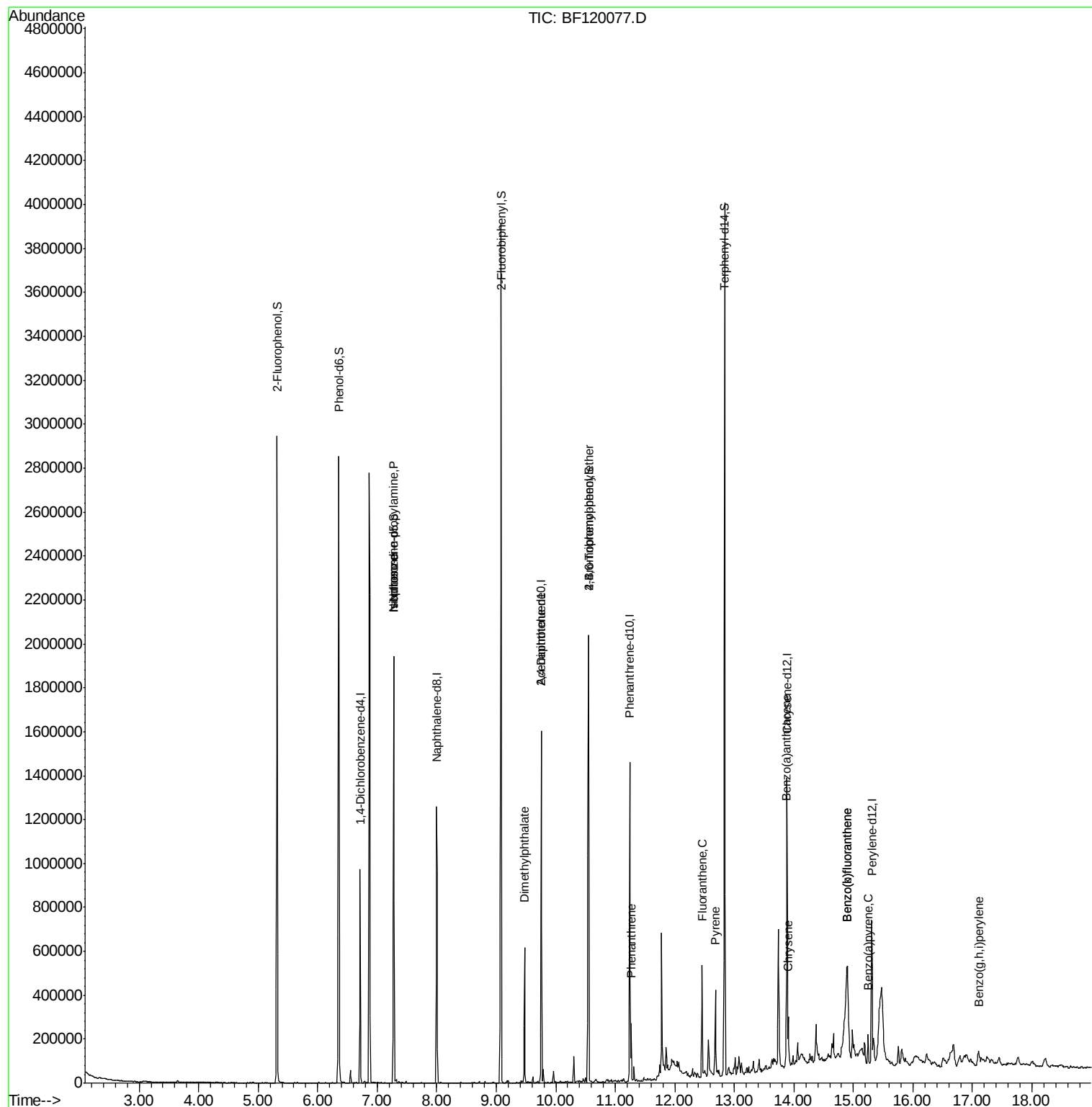
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.27	77	135	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.28	70	76564	10.944	ng	# 77
25) Isophorone	7.28	82	573408	29.346	ng	# 65
50) Dimethylphthalate	9.47	163	212699	9.477	ng	99
57) 2,4-Dinitrotoluene	9.76	165	38142	5.890	ng	# 22
67) 4-Bromophenyl-phenylether	10.55	248	15683	2.428	ng	# 1
71) Phenanthrene	11.27	178	100790	3.647	ng	97
75) Fluoranthene	12.46	202	189671	6.360	ng	96
78) Pyrene	12.69	202	164116	4.914	ng	100
81) Benzo(a)anthracene	13.87	228	83091	3.188	ng	97
83) Chrysene	13.91	228	77301	2.919	ng	98
88) Benzo(b)fluoranthene	14.90	252	124695	6.132	ng	98
89) Benzo(k)fluoranthene	14.90	252	124695	7.107	ng	98
90) Benzo(a)pyrene	15.24	252	53322	3.119	ng	# 96
92) Benzo(a,h,i)perylene	17.10	276	39311	2.629	ng	97

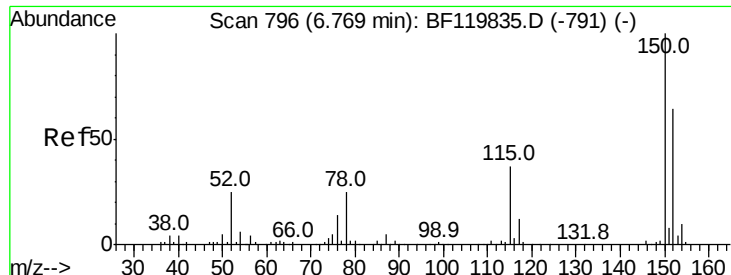
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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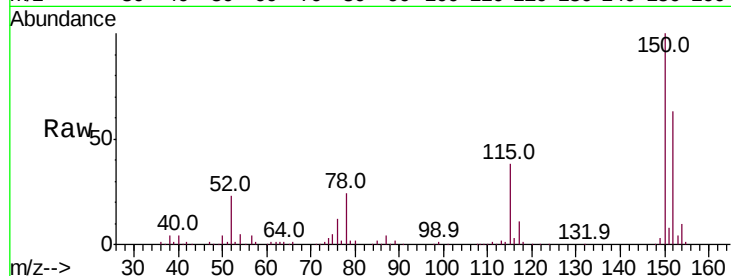


#1

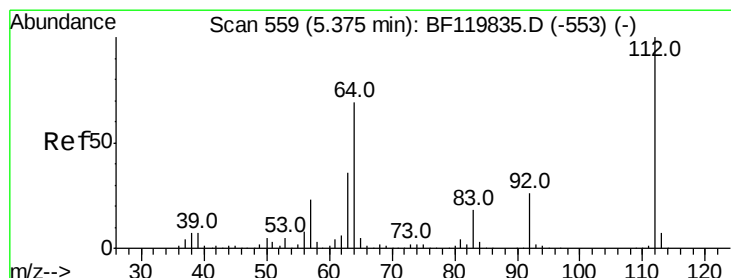
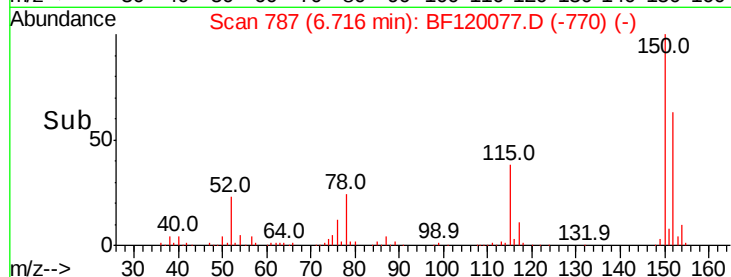
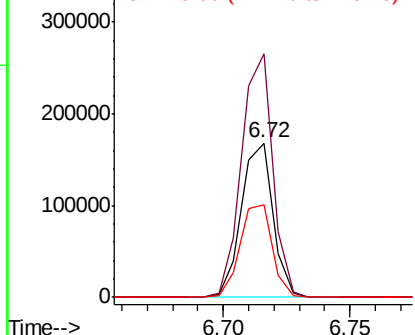
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF120077.D
 Acq: 20 Apr 2020 15:02

Instrument :
 BNA_F
 ClientSampleId :
 B-1RE

Tot Ion:152 Resp: 145914
 Ion Ratio Lower Upper
 152 100
 150 157.6 124.8 187.2
 115 60.0 46.5 69.7



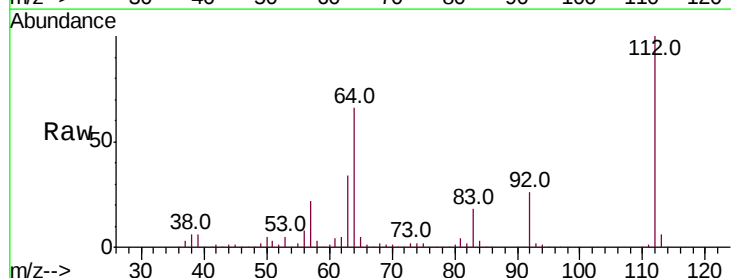
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



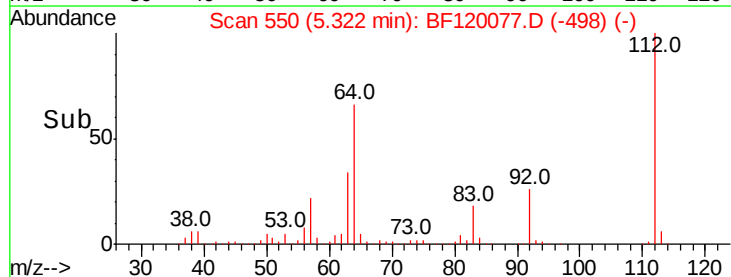
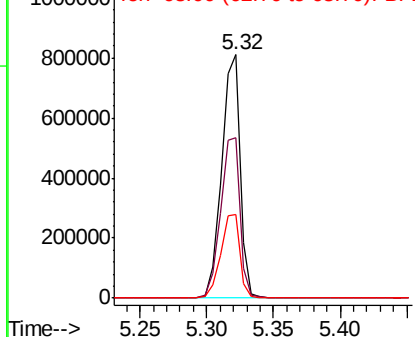
#5

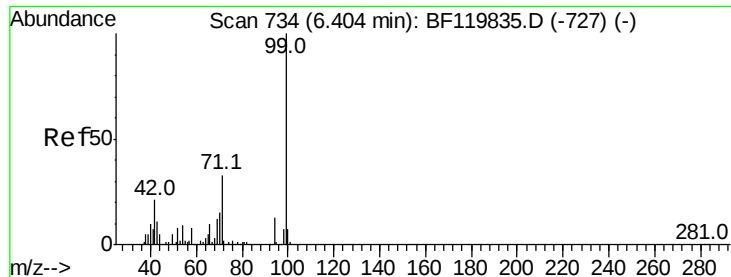
2-Fluorophenol
 Concen: 94.947 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF120077.D
 Acq: 20 Apr 2020 15:02

Tgt Ion:112 Resp: 801660
 Ion Ratio Lower Upper
 112 100
 64 65.8 55.5 83.3
 63 34.1 29.1 43.7



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: 96.578 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

Instrument :

BNA_F

ClientSampleId :

B-1RE

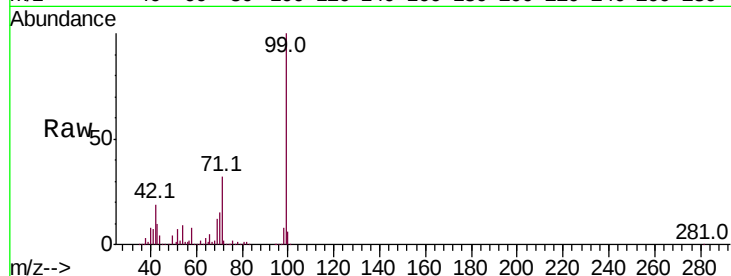
Tot Ion: 99 Resp: 1050718

Ion Ratio Lower Upper

99 100

42 19.5 16.9 25.3

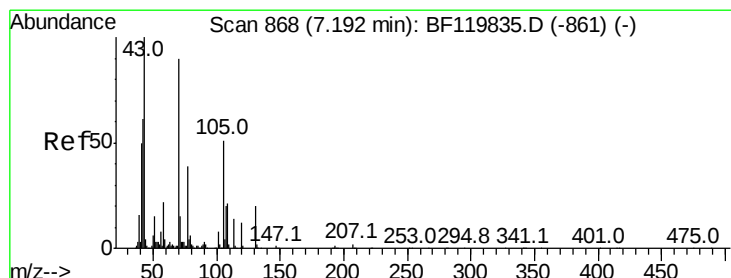
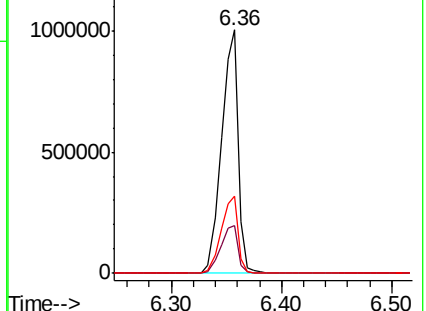
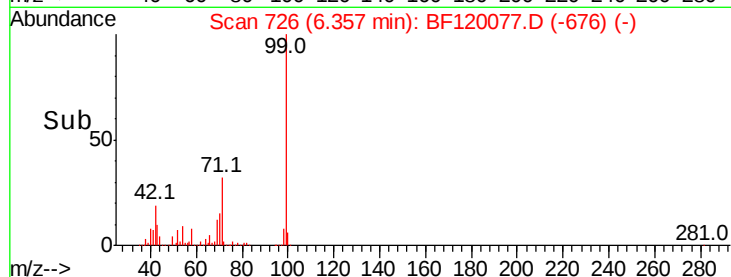
71 31.9 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.944 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

Tgt Ion: 70 Resp: 76564

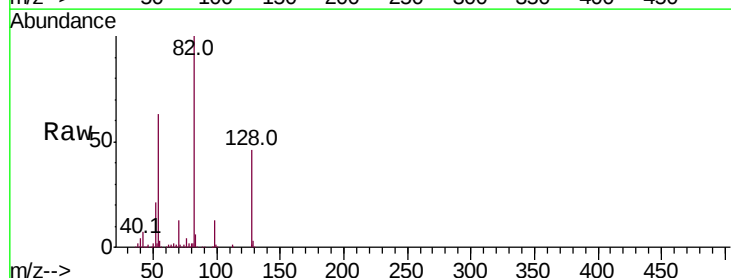
Ion Ratio Lower Upper

70 100

42 55.0 54.2 81.4

101 0.0 7.4 11.2#

130 1.9 17.8 26.6#

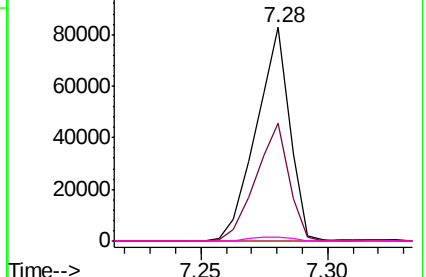
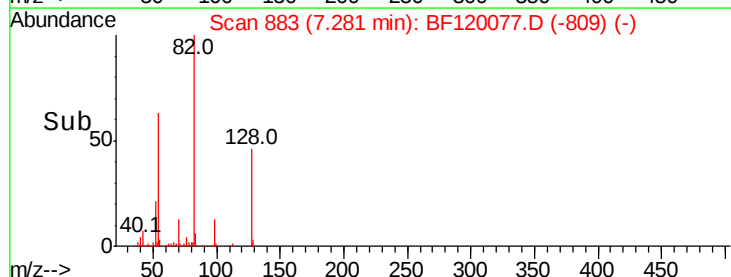


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

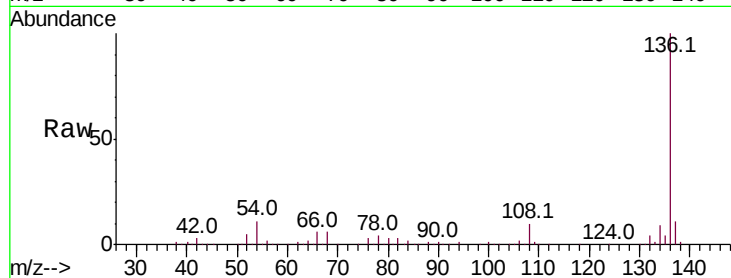




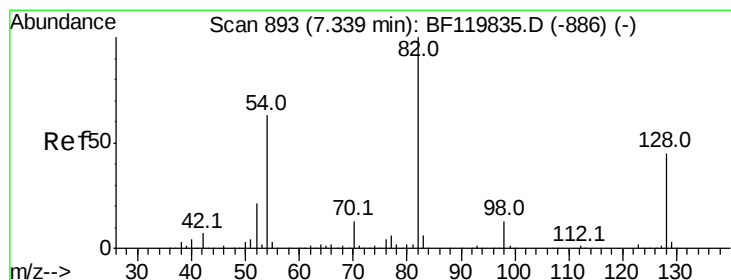
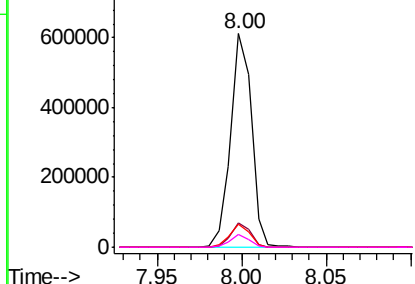
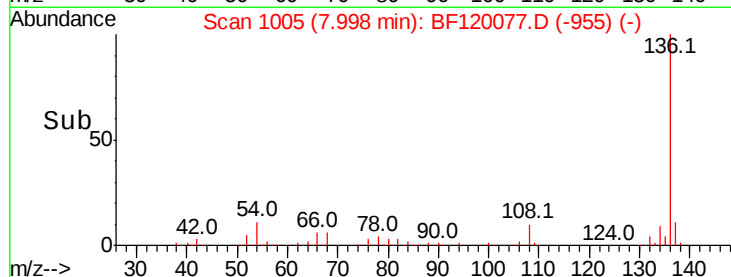
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Instrument :
BNA_F
ClientSampleId :
B-1RE

Tot Ion:	136	Resp:	524387
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.1	8.5	12.7
68	5.8	3.9	5.9

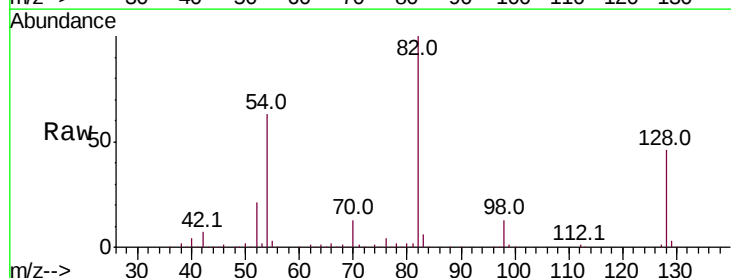


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

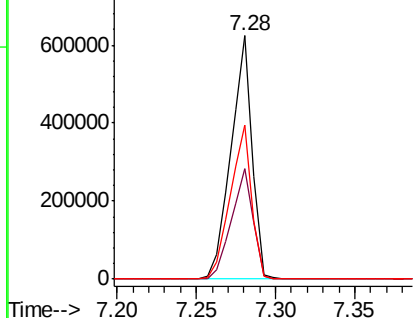
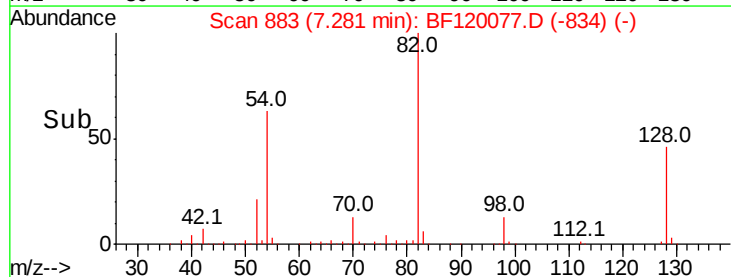


#23
Nitrobenzene-d5
Concen: 57.035 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:	82	Resp:	578125
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.2	54.4
54	63.4	50.4	75.6



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: 29.346 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

Instrument :

BNA_F

ClientSampleId :

B-1RE

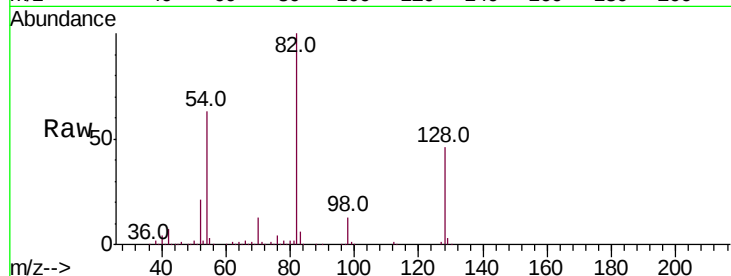
Tot Ion: 82 Resp: 573408

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

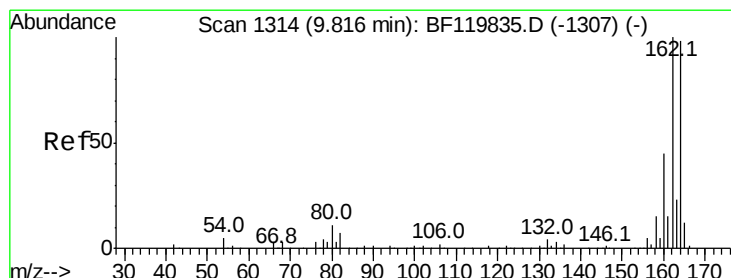
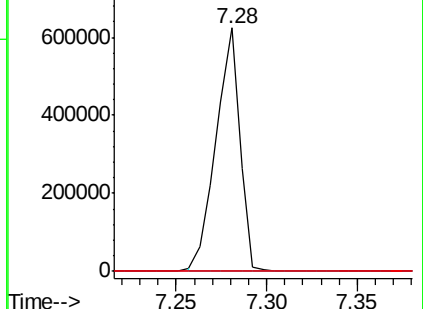
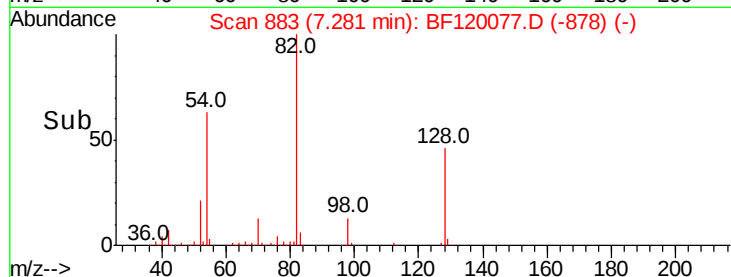
138 0.0 14.5 21.7#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

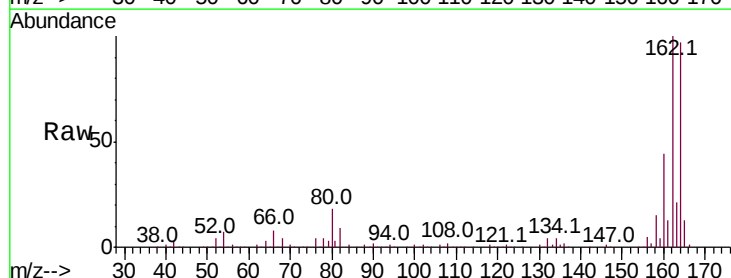
Tgt Ion:164 Resp: 290163

Ion Ratio Lower Upper

164 100

162 103.1 81.9 122.9

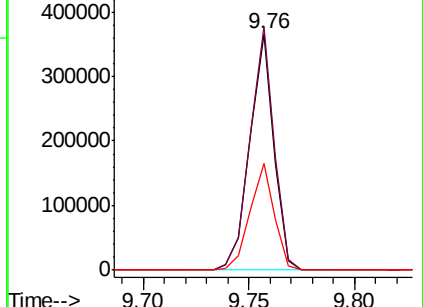
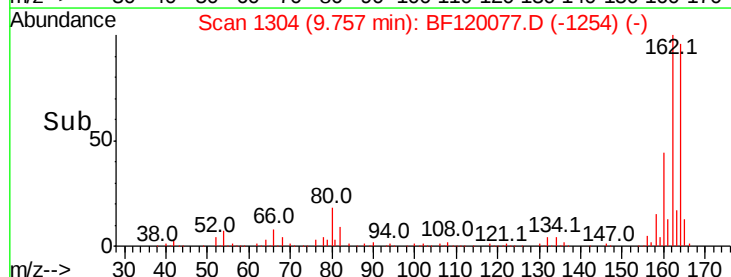
160 45.4 36.6 54.8

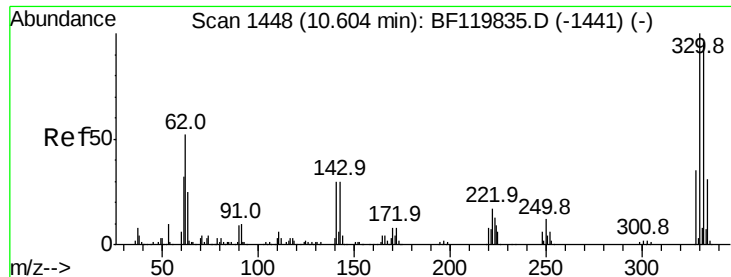


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

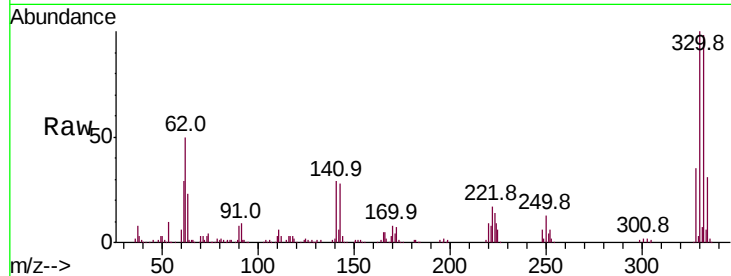




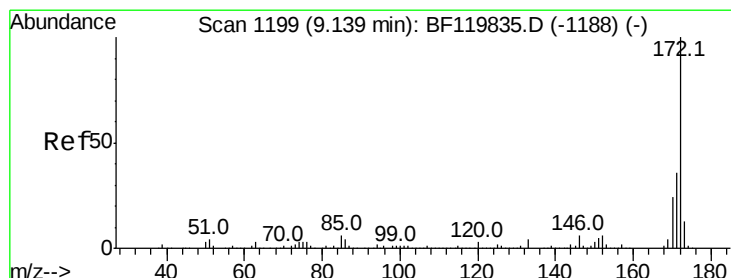
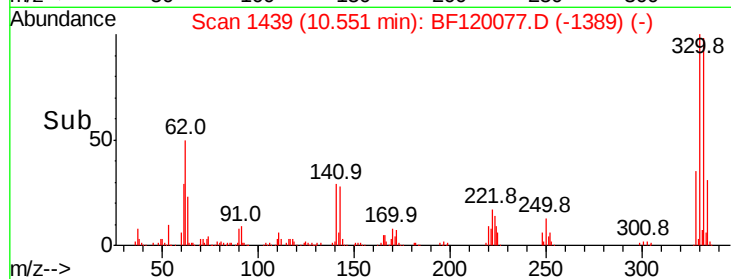
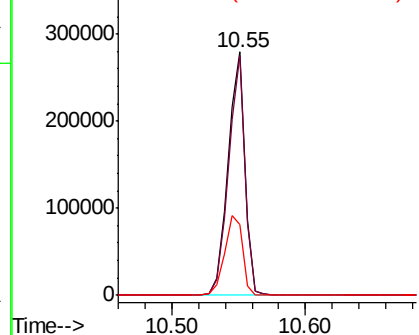
#42
 2,4,6-Tribromophenol
 Concen: 70.483 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120077.D
 Acq: 20 Apr 2020 15:02

Instrument :
 BNA_F
 ClientSampleId :
 B-1RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	34.9	25.1	37.7

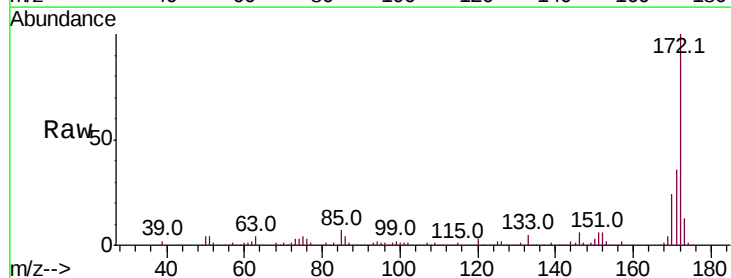


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

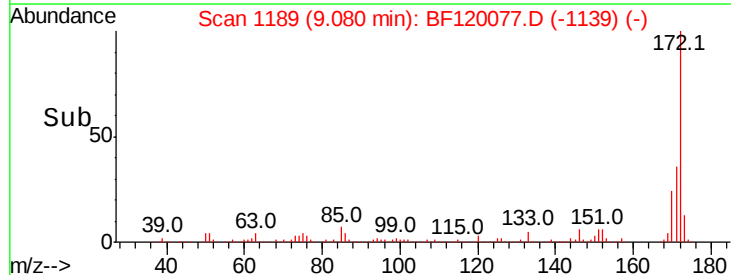
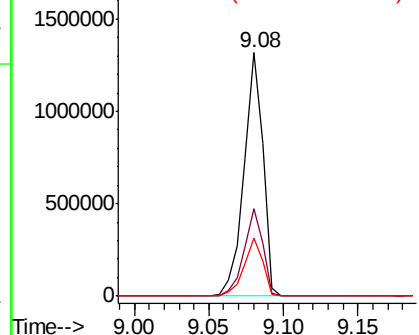


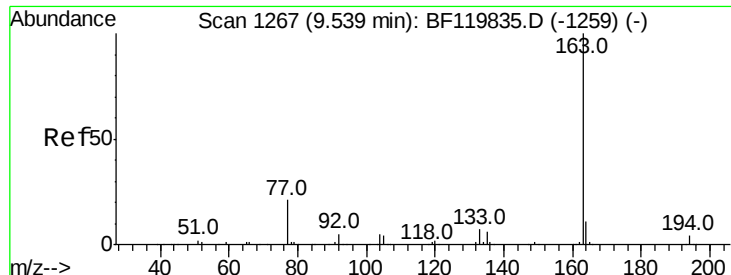
#45
 2-Fluorobiphenyl
 Concen: 57.146 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF120077.D
 Acq: 20 Apr 2020 15:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	24.1	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

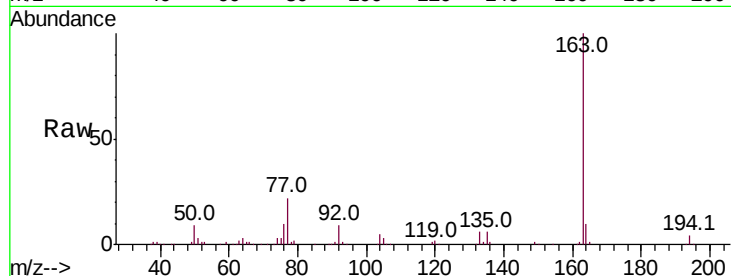




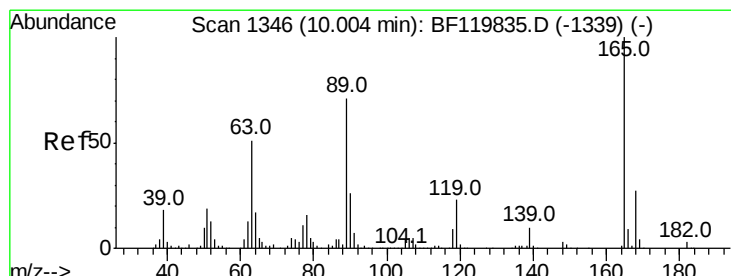
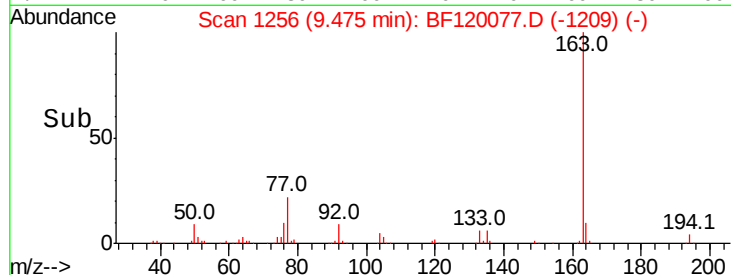
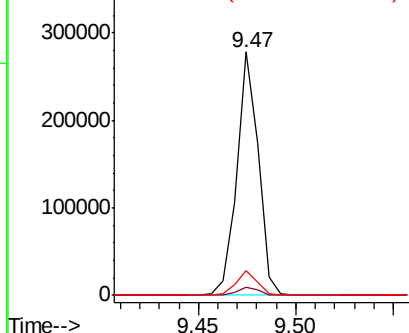
#50
Dimethylphthalate
Concen: 9.477 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	163	Resp:	212699
Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.0	8.4	12.6

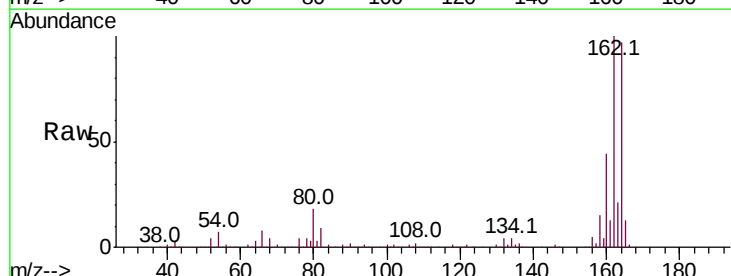


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

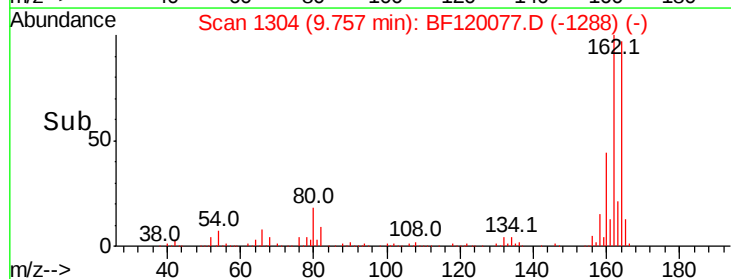
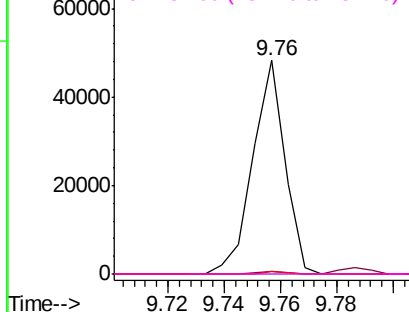


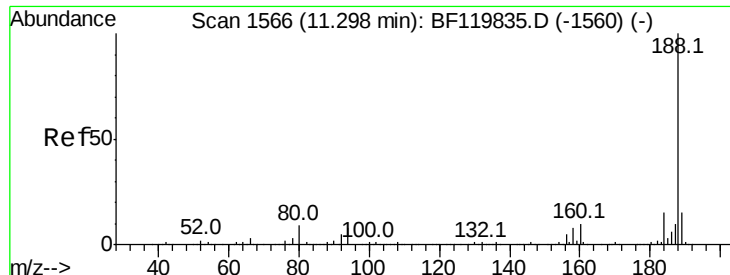
#57
2,4-Dinitrotoluene
Concen: 5.890 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:	165	Resp:	38142
Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.8	61.2#
89	1.3	56.9	85.3#
182	0.0	2.0	3.0#



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: 11.24 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

Instrument :

BNA_F

ClientSampleId :

B-1RE

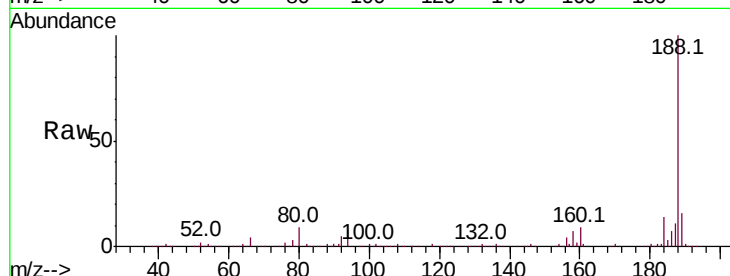
Tot Ion:188 Resp: 519327

Ion Ratio Lower Upper

188 100

94 8.4 6.7 10.1

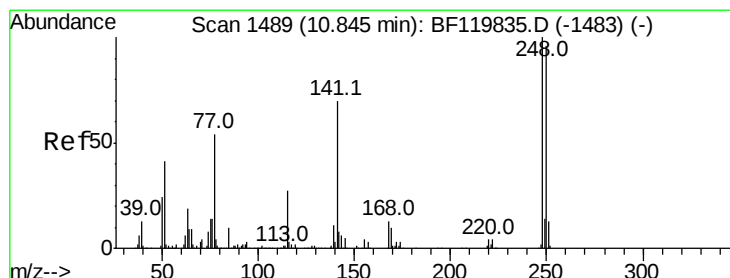
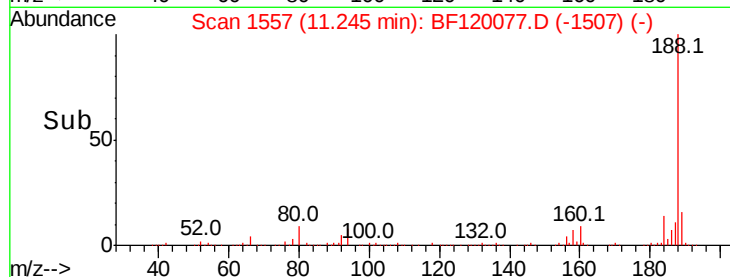
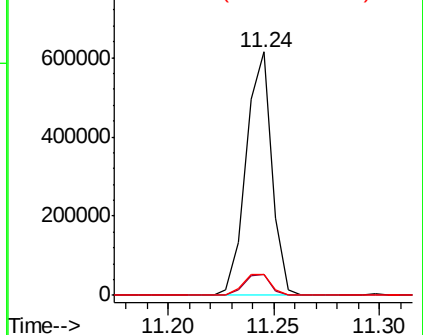
80 8.7 7.4 11.2



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: 2.428 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.25 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

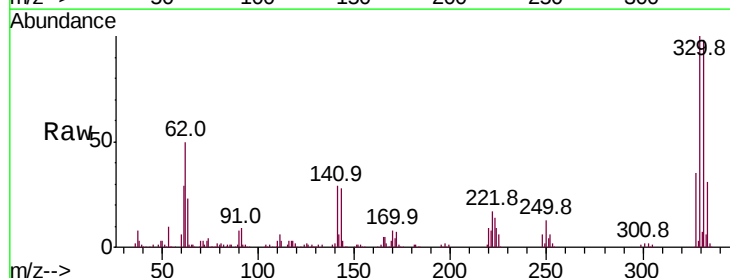
Tgt Ion:248 Resp: 15683

Ion Ratio Lower Upper

248 100

250 198.9 76.6 114.8#

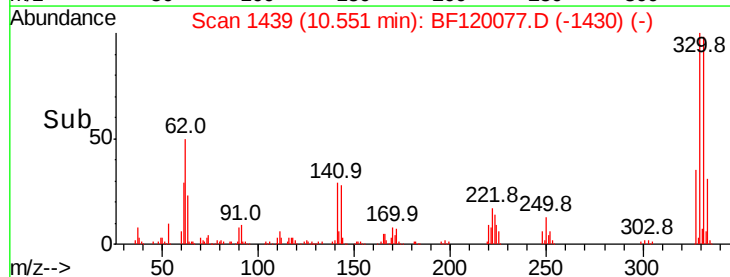
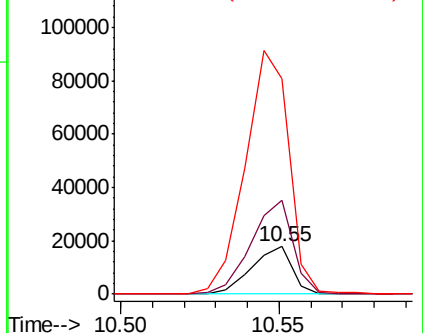
141 455.3 55.9 83.9#

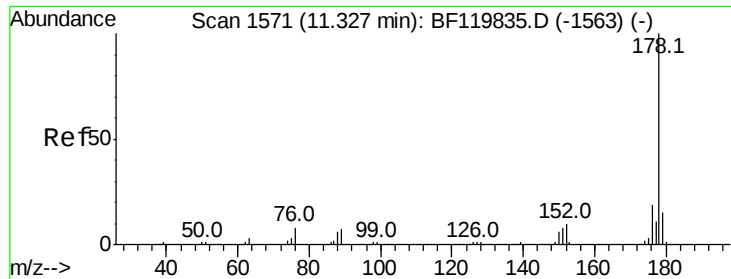


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

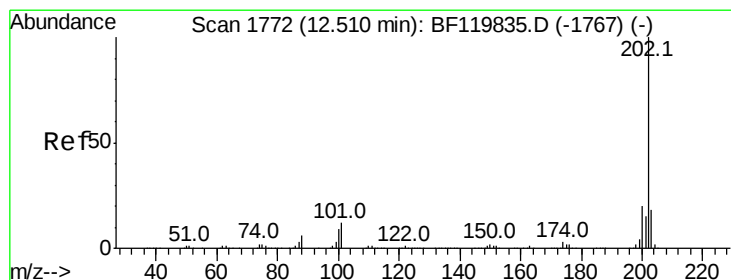
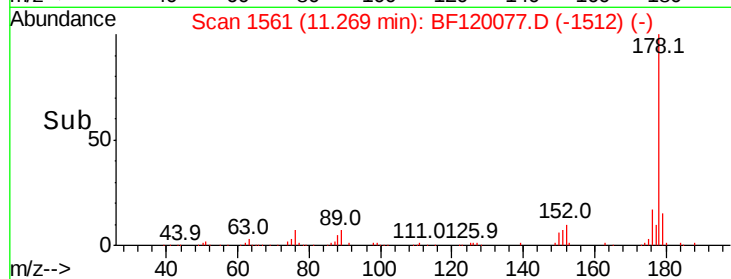
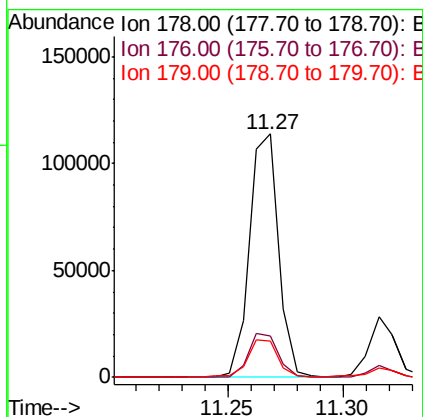
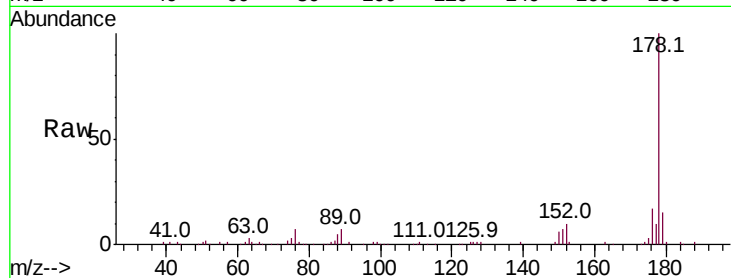




#71
Phenanthrene
Concen: 3.647 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

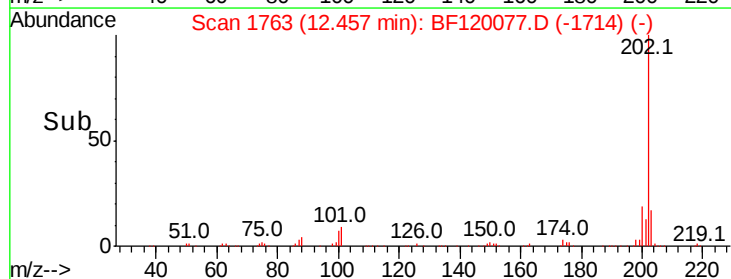
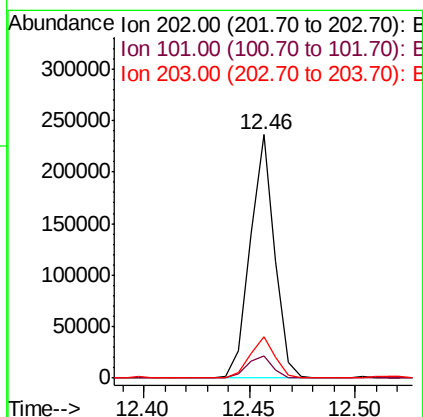
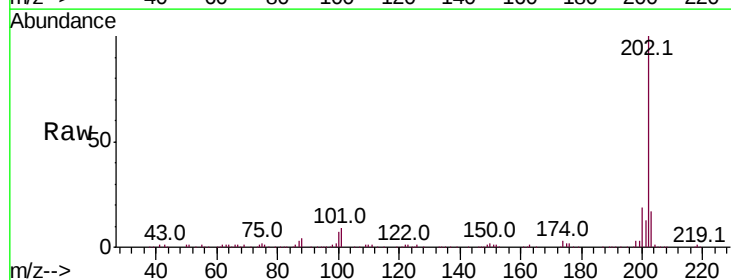
Instrument :
BNA_F
ClientSampleId :
B-1RE

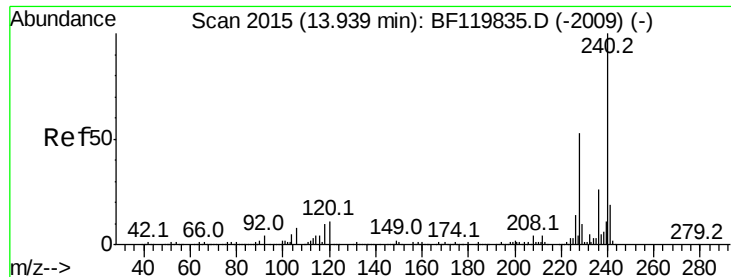
Tot Ion:178 Resp: 100790
Ion Ratio Lower Upper
178 100
176 16.9 15.1 22.7
179 15.0 12.2 18.4



#75
Fluoranthene
Concen: 6.360 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:202 Resp: 189671
Ion Ratio Lower Upper
202 100
101 9.1 0.0 32.3
203 17.1 0.0 37.6

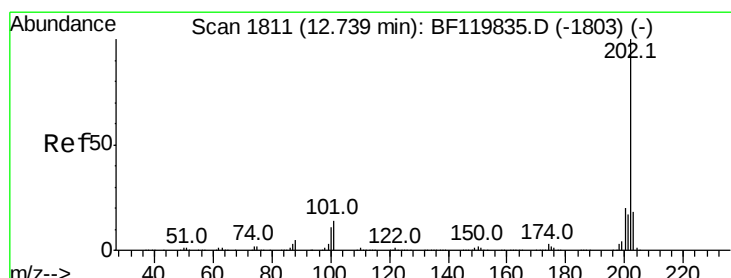
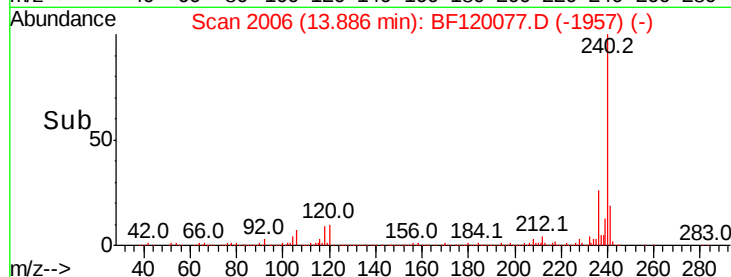
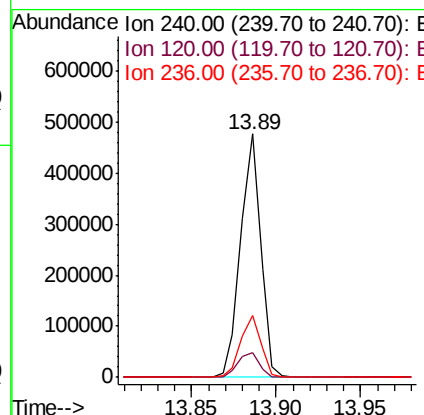
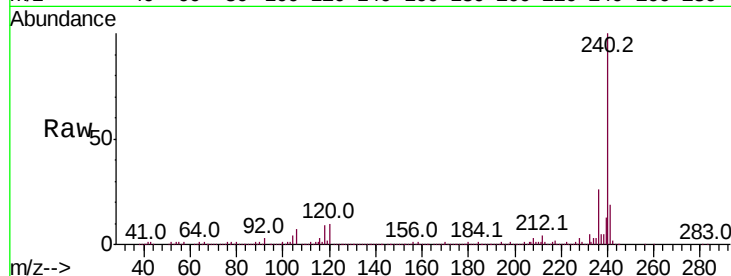




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

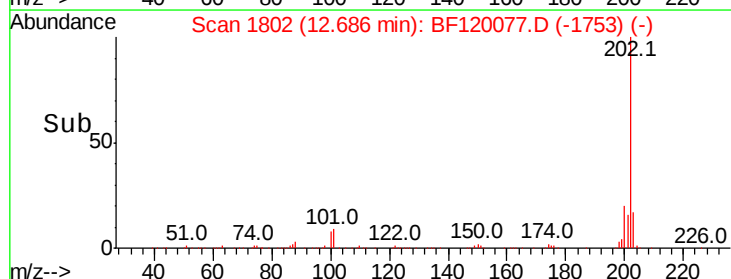
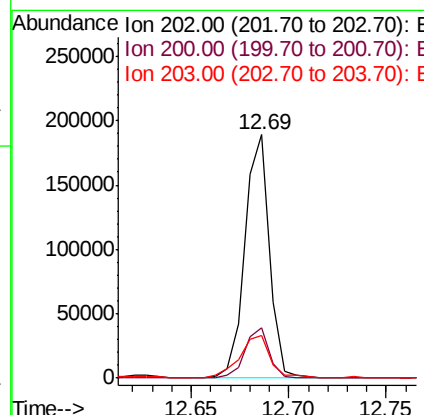
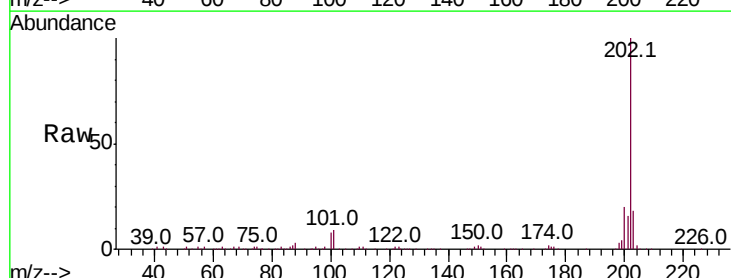
Instrument :
BNA_F
ClientSampleId :
B-1RE

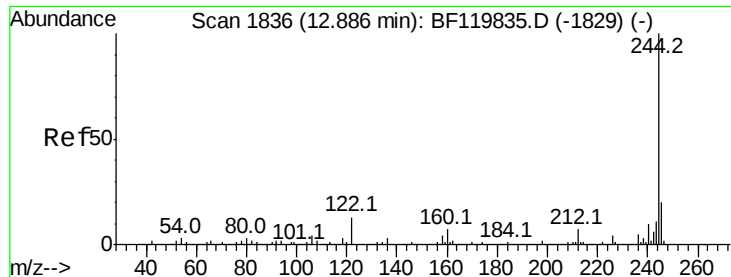
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.0	13.6
236	25.5	20.7	31.1



#78
Pyrene
Concen: 4.914 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	17.6	14.1	21.1





#79

Terphenyl-d14

Concen: 60.718 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

Instrument :

BNA_F

ClientSampleId :

B-1RE

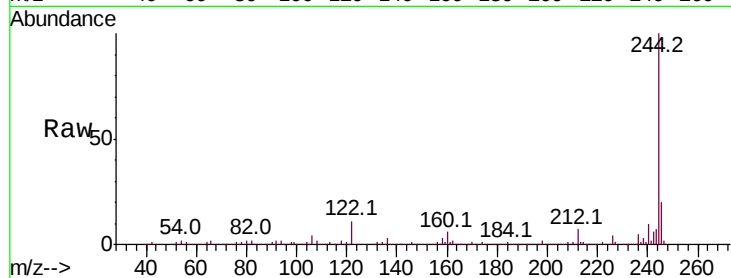
Tot Ion:244 Resp: 1429579

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

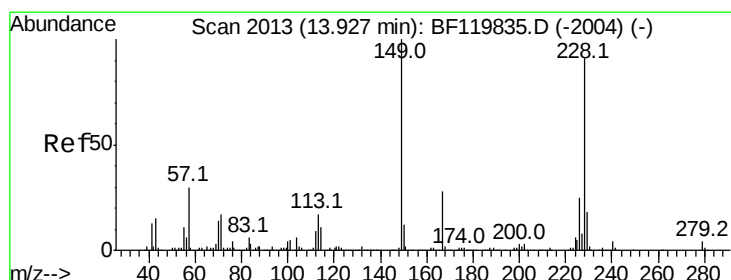
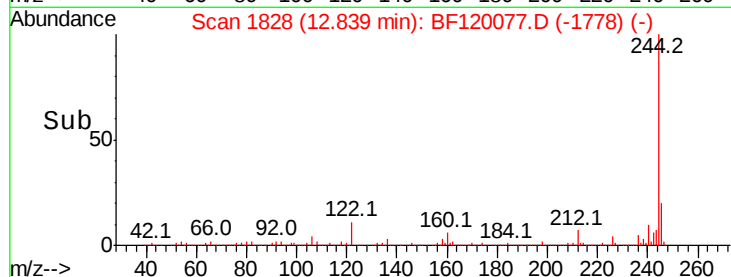
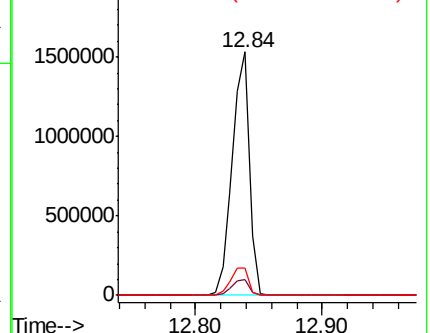
122 11.2 10.3 15.5



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: 3.188 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

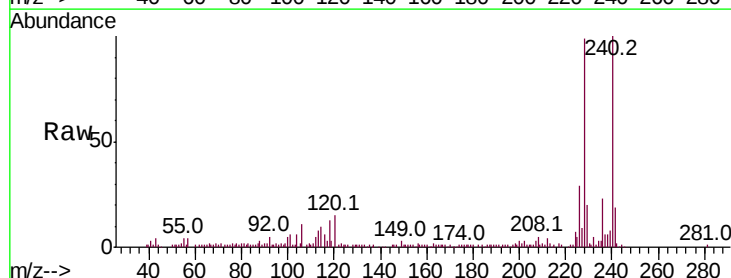
Tgt Ion:228 Resp: 83091

Ion Ratio Lower Upper

228 100

226 29.5 21.9 32.9

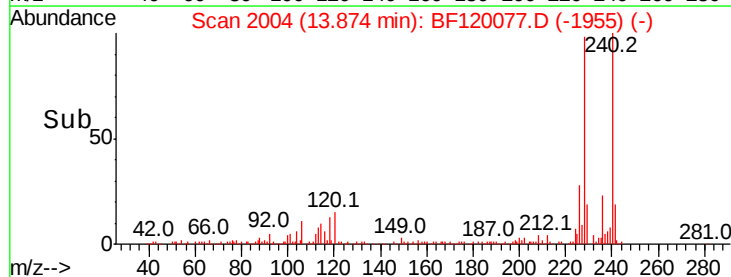
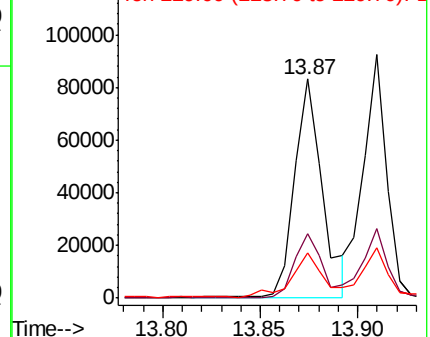
229 20.4 15.9 23.9

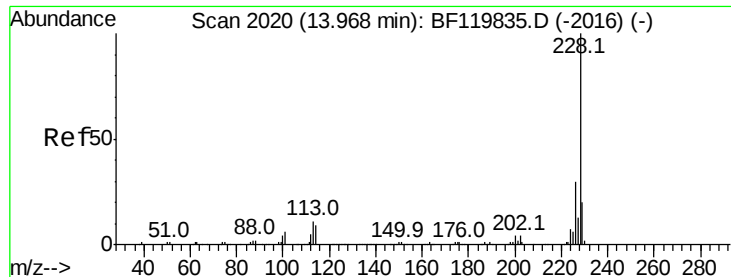


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.919 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

Instrument :

BNA_F

ClientSampleId :

B-1RE

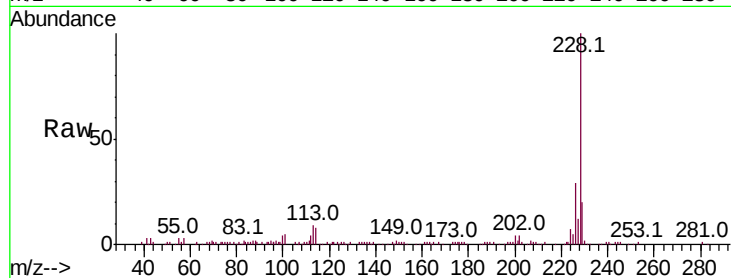
Tot Ion:228 Resp: 77301

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.2

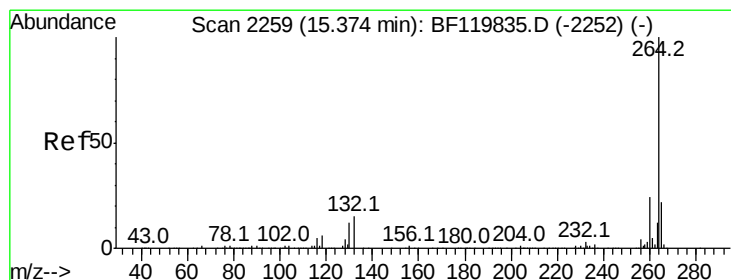
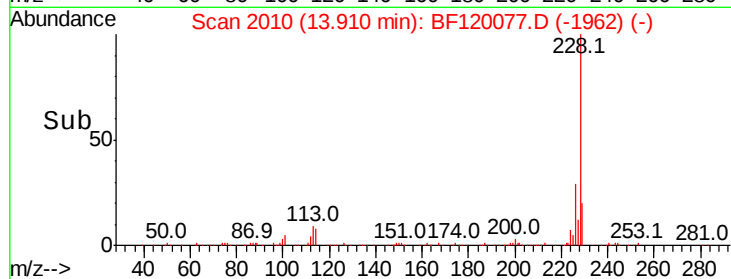
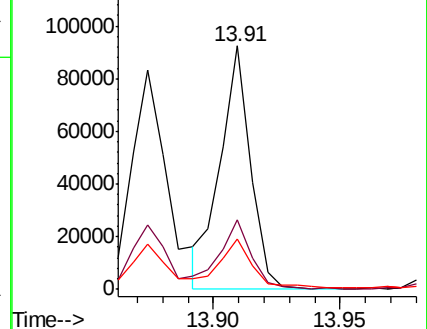
229 20.4 15.9 23.9



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. -0.01 min

Lab File: BF120077.D

Acq: 20 Apr 2020 15:02

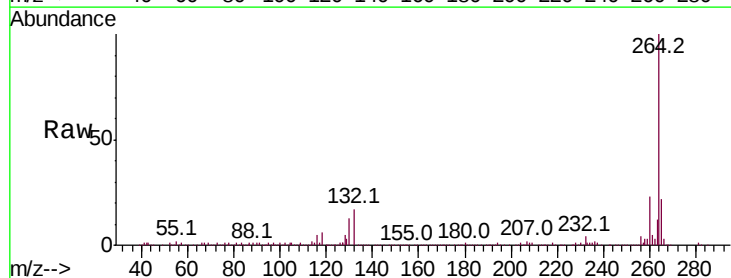
Tgt Ion:264 Resp: 282691

Ion Ratio Lower Upper

264 100

260 23.0 19.3 28.9

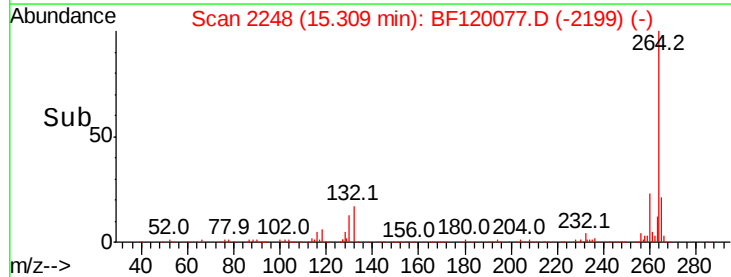
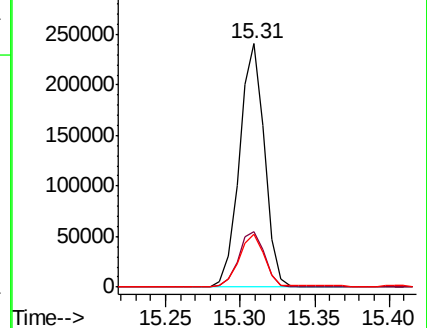
265 21.6 17.6 26.4

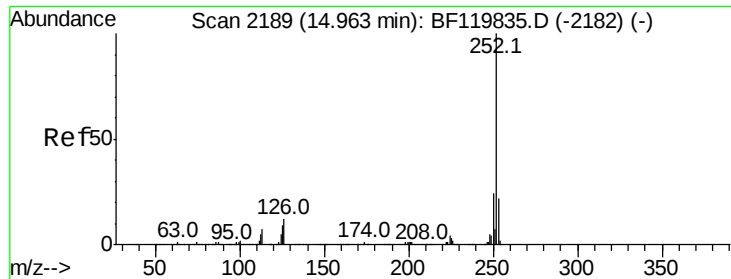


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

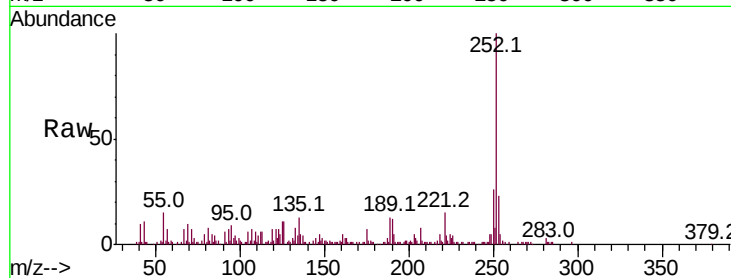




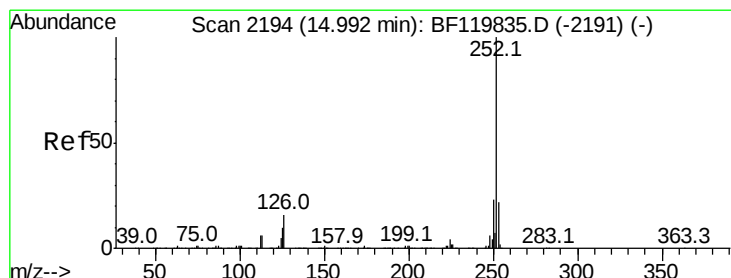
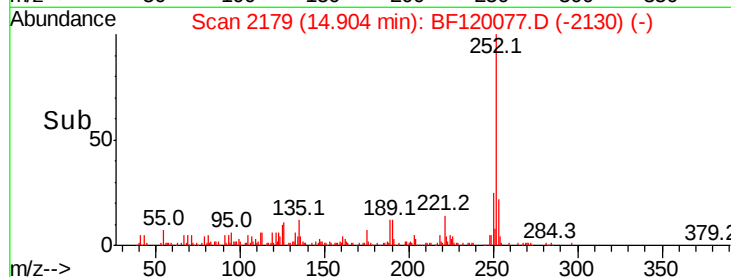
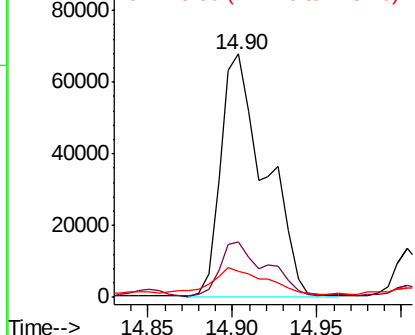
#88
Benzo(b)fluoranthene
Concen: 6.132 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Instrument :
BNA_F
ClientSampleId :
B-1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	10.8	7.4	11.2

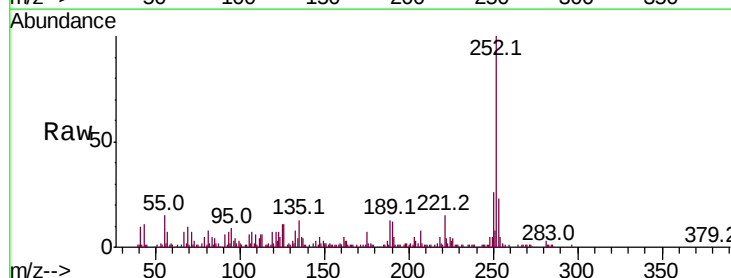


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

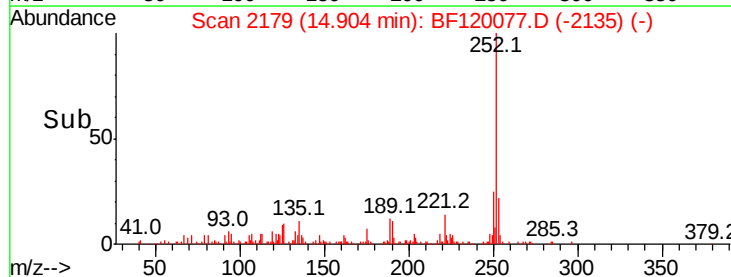
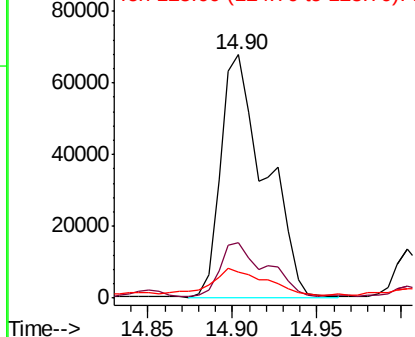


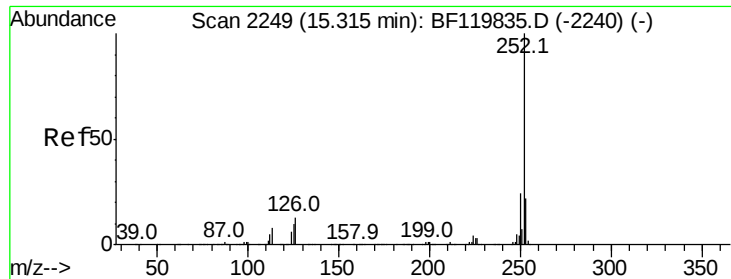
#89
Benzo(k)fluoranthene
Concen: 7.107 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.04 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	10.8	7.7	11.5



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

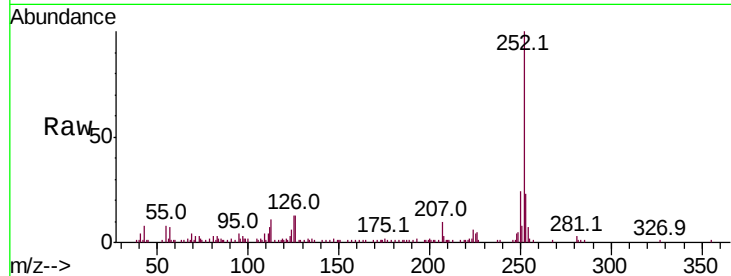




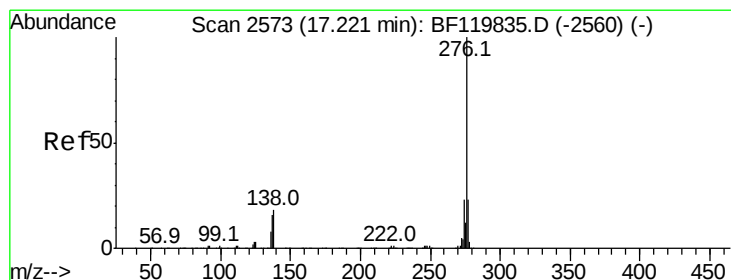
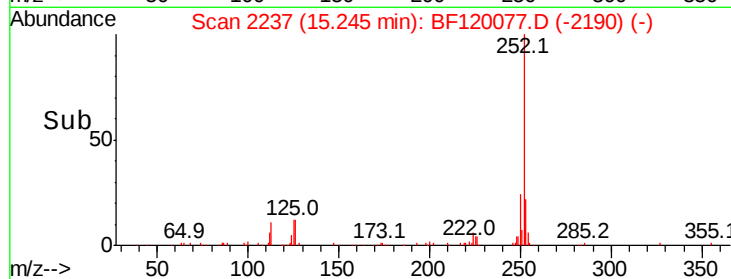
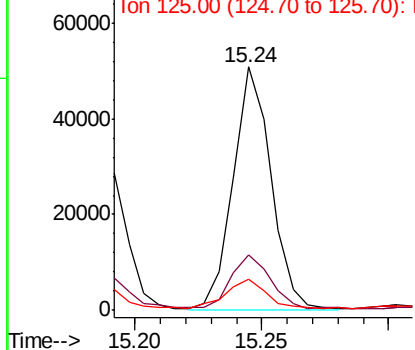
#90
Benzo(a)pyrene
Concen: 3.119 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Instrument :
BNA_F
ClientSampleId :
B-1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	12.9	8.3	12.5#

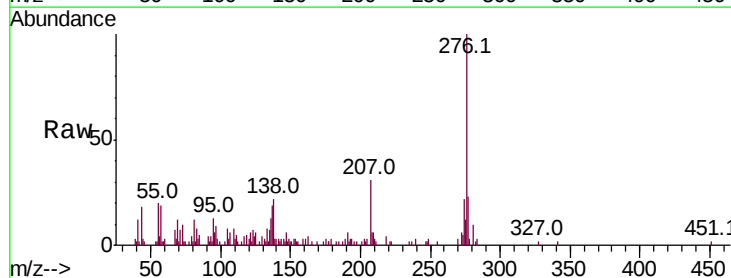


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.629 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.04 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.5	27.7
138	21.5	14.6	22.0



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

