

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\
 Data File : BF120118.D
 Acq On : 21 Apr 2020 22:29
 Operator : MA/SJ
 Sample : L2327-29
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 22 01:50:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 13:48:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	85613	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	316950	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	155662	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	275009	20.00	ng	0.00
76) Chrysene-d12	13.86	240	178504	20.00	ng	-0.01
87) Perylene-d12	15.27	264	163213	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	741635	149.71	ng	0.00
7) Phenol-d6	6.33	99	953189	149.32	ng	0.00
23) Nitrobenzene-d5	7.26	82	587995	95.97	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	228749	120.03	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1142904	104.24	ng	0.00
79) Terphenyl-d14	12.81	244	965350	91.00	ng	0.00

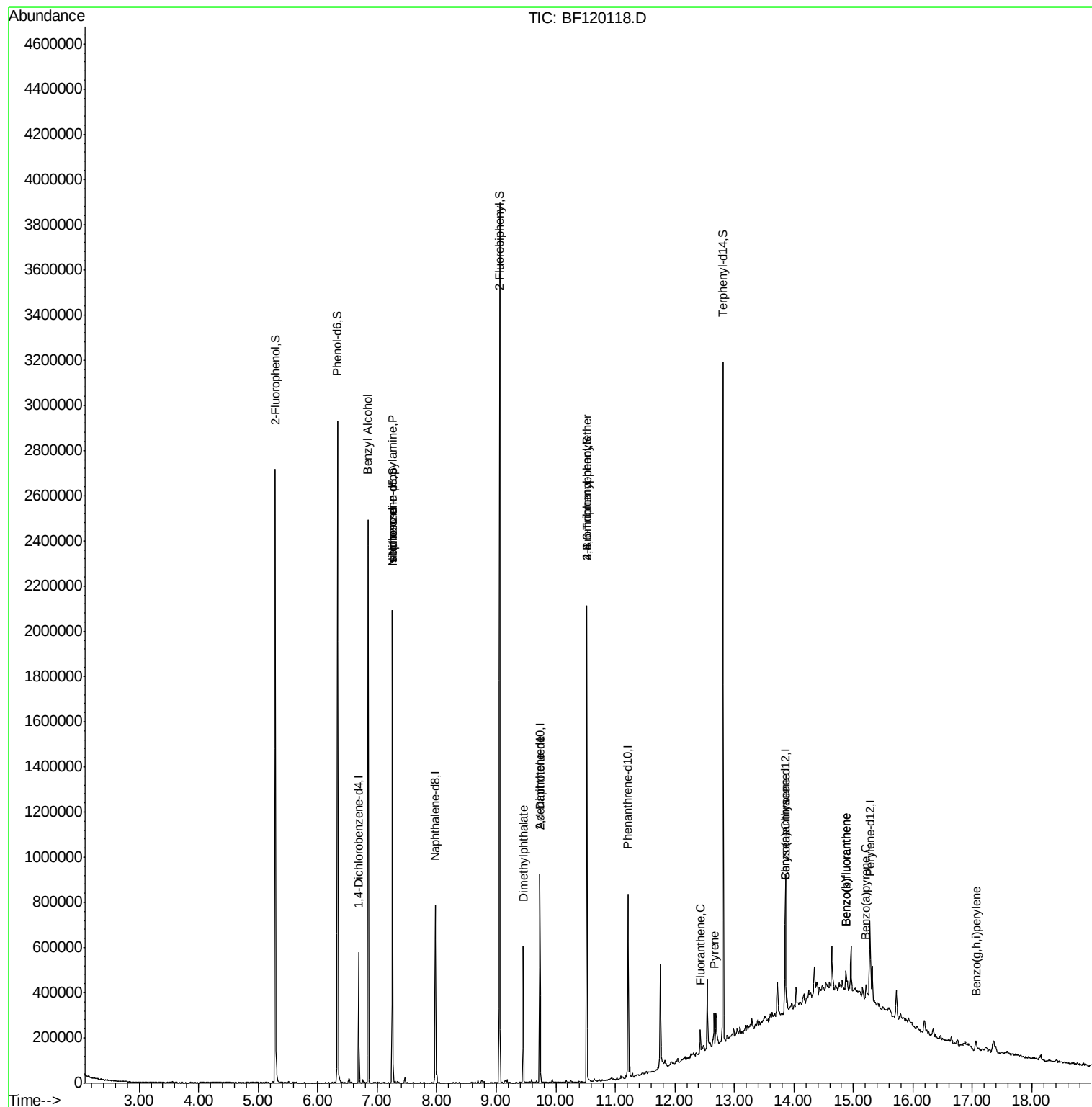
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.25	77	234	Below Cal		# 1
15) Benzyl Alcohol	6.85	79	10361	2.090	ng	# 56
19) n-Nitroso-di-n-propylamine	7.26	70	76341	18.598	ng	# 76
25) Isophorone	7.26	82	587987	49.786	ng	# 65
50) Dimethylphthalate	9.45	163	224405	18.638	ng	100
57) 2,4-Dinitrotoluene	9.73	165	19205	5.529	ng	# 21
67) 4-Bromophenyl-phenylether	10.52	248	14481	4.234	ng	# 1
75) Fluoranthene	12.43	202	39419	2.496	ng	96
78) Pyrene	12.66	202	54959	3.652	ng	98
81) Benzo(a)anthracene	13.84	228	27251	2.321	ng	92
83) Chrysene	13.84	228	27251	2.284	ng	95
88) Benzo(b)fluoranthene	14.87	252	46071	3.924	ng	# 86
89) Benzo(k)fluoranthene	14.87	252	46071	4.548	ng	# 87
90) Benzo(a)pyrene	15.22	252	27088	2.744	ng	# 81
92) Benzo(a,h,i)perylene	17.06	276	20227	2.343	ng	# 91

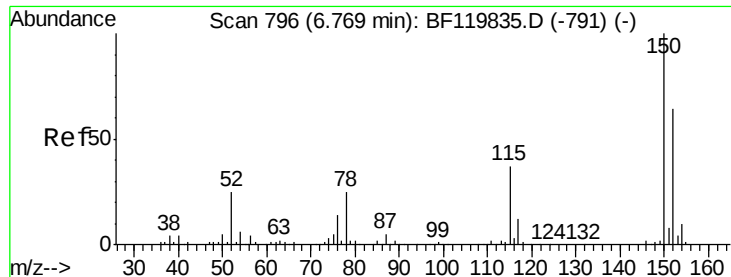
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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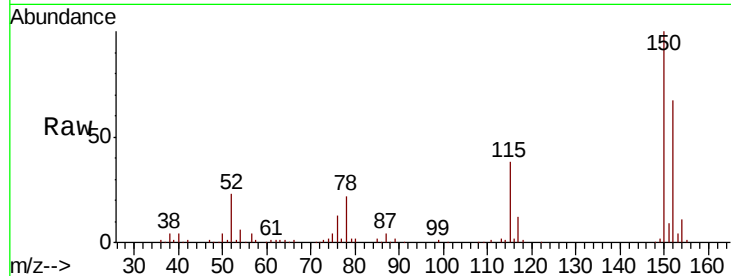


#1

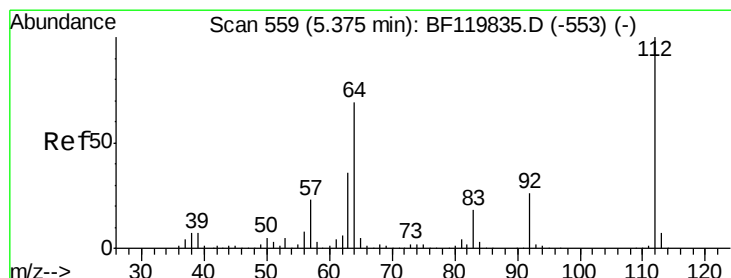
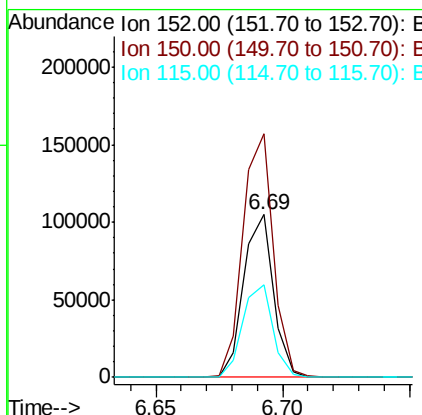
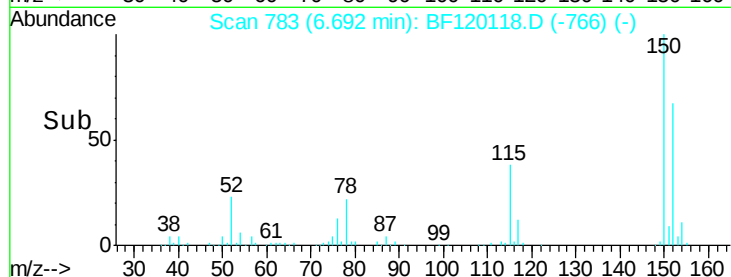
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 85613
 Ion Ratio Lower Upper
 152 100
 150 149.8 124.8 187.2
 115 57.0 46.5 69.7



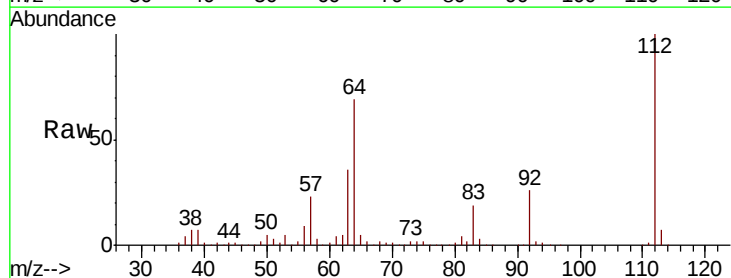
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



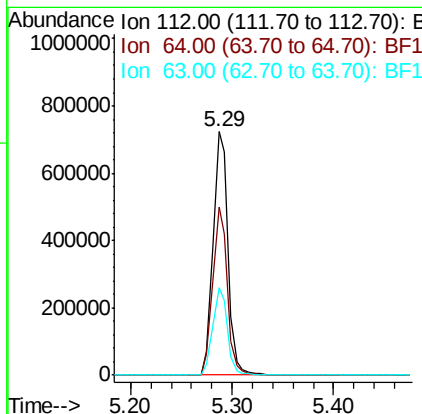
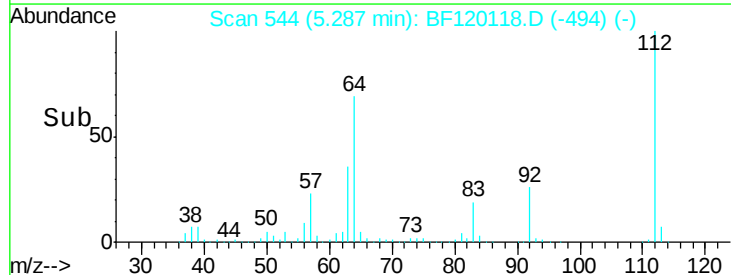
#5

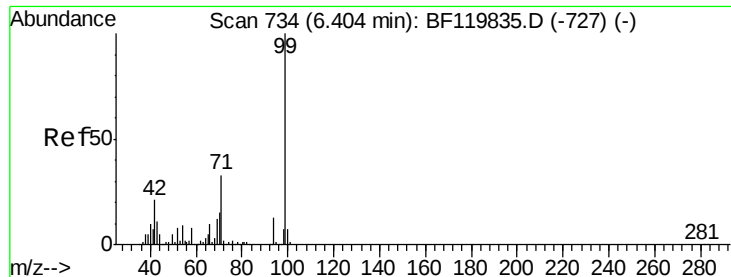
2-Fluorophenol
 Concen: 149.706 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

Tgt Ion:112 Resp: 741635
 Ion Ratio Lower Upper
 112 100
 64 69.0 55.5 83.3
 63 35.9 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: 149.324 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

Instrument :

BNA_F

ClientSampleId :

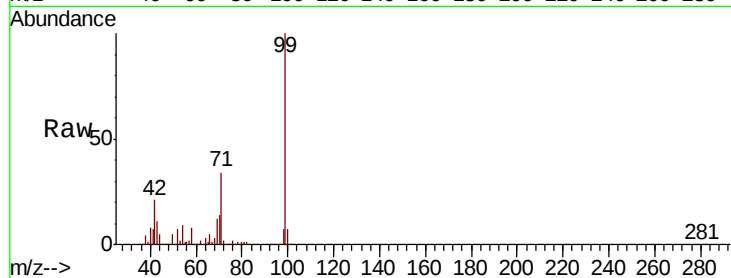
Tot Ion: 99 Resp: 953189

Ion Ratio Lower Upper

99 100

42 20.8 16.9 25.3

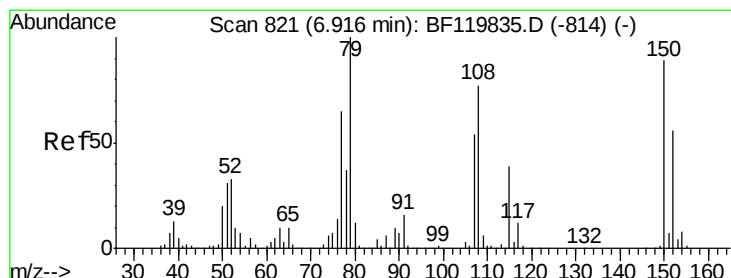
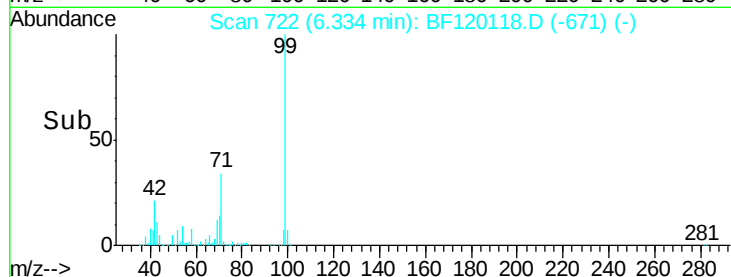
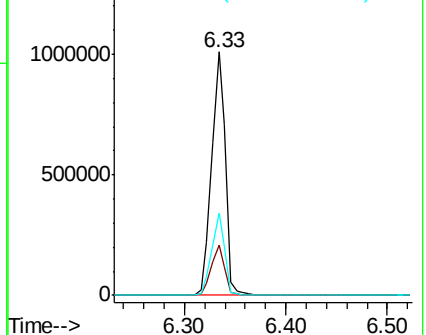
71 33.6 26.3 39.5



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



#15

Benzyl Alcohol

Concen: 2.090 ng

RT: 6.85 min Scan# 809

Delta R.T. 0.01 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

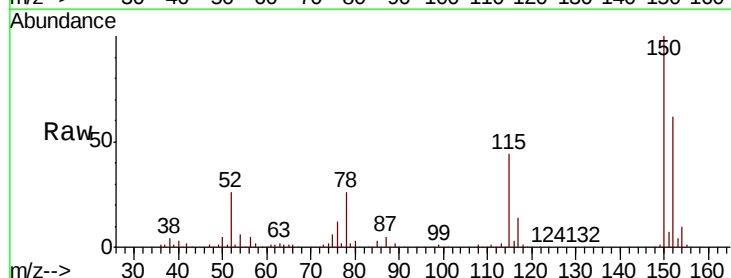
Tgt Ion: 79 Resp: 10361

Ion Ratio Lower Upper

79 100

108 24.8 62.0 93.0#

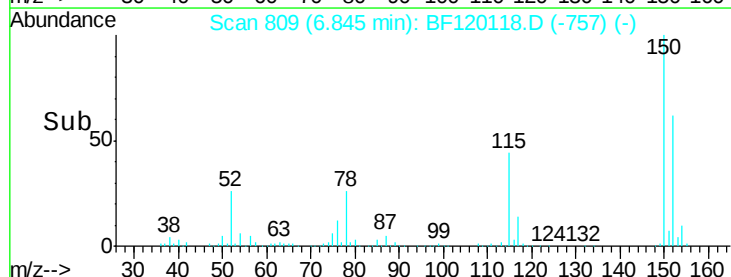
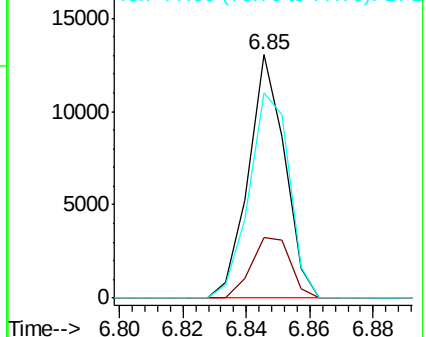
77 84.2 51.8 77.6#

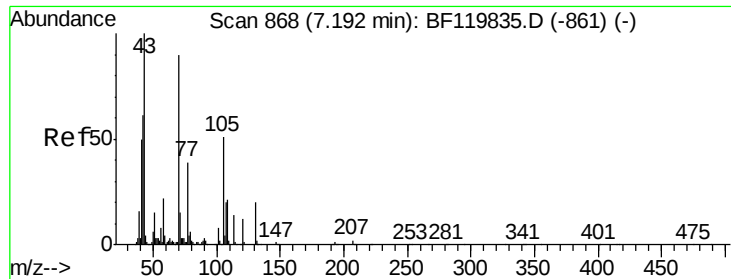


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

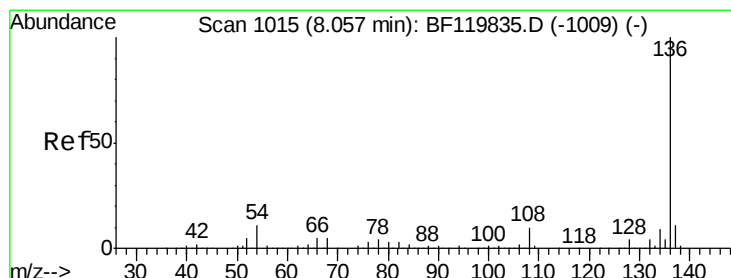
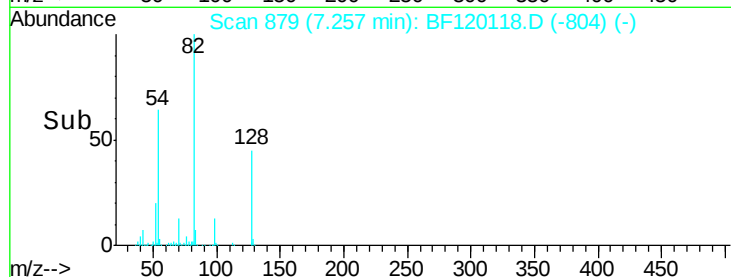
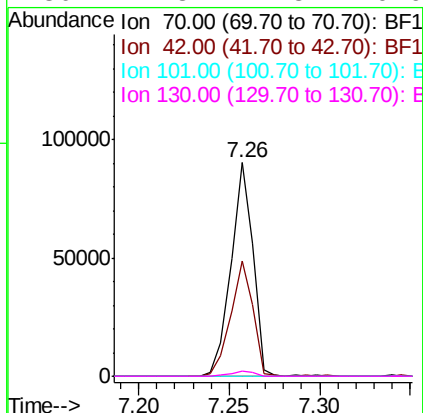
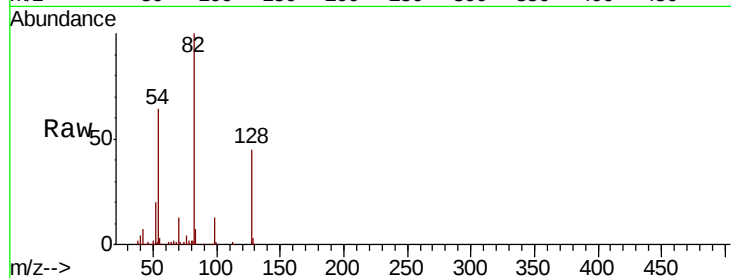




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.598 ng
 RT: 7.26 min Scan# 879
 Delta R.T. 0.14 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

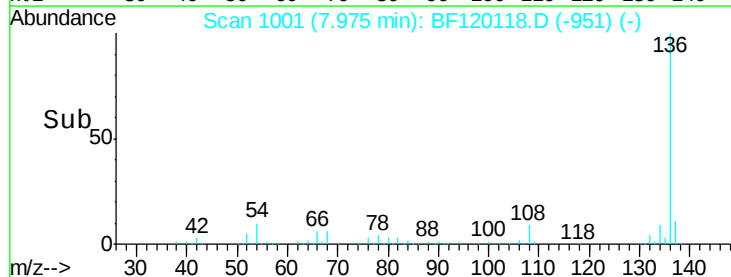
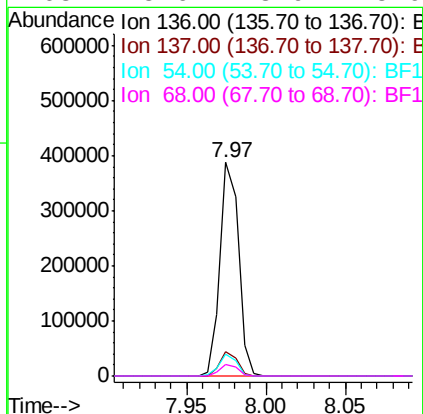
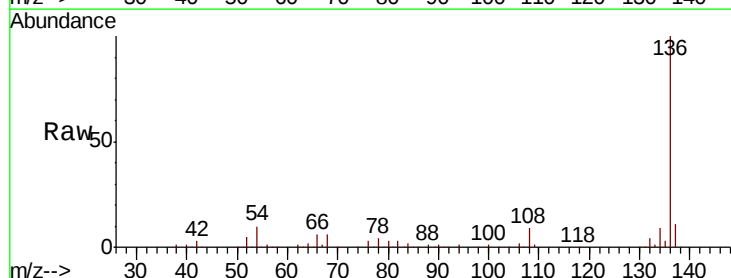
Instrument :
 BNA_F
 ClientSampleId :

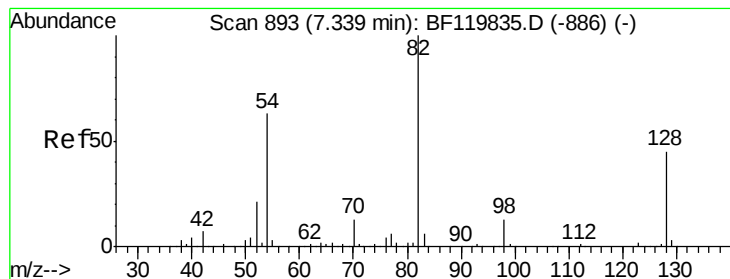
Tot Ion: 70 Resp: 76341
 Ion Ratio Lower Upper
 70 100
 42 53.8 54.2 81.4#
 101 0.0 7.4 11.2#
 130 2.3 17.8 26.6#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

Tgt Ion: 136 Resp: 316950
 Ion Ratio Lower Upper
 136 100
 137 11.4 8.7 13.1
 54 10.4 8.5 12.7
 68 5.6 3.9 5.9





#23

Nitrobenzene-d5

Concen: 95.974 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

Instrument :

BNA_F

ClientSampleId :

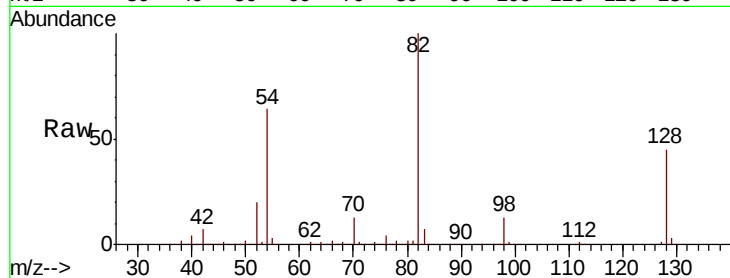
Tot Ion: 82 Resp: 587995

Ion Ratio Lower Upper

82 100

128 45.4 36.2 54.4

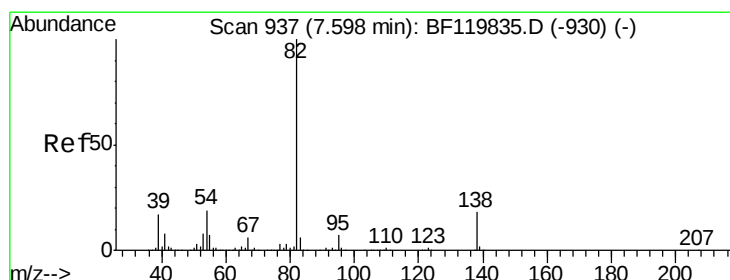
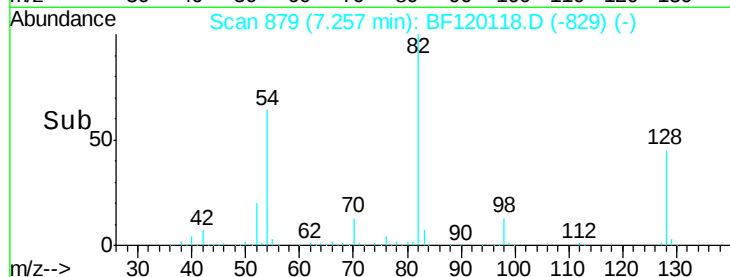
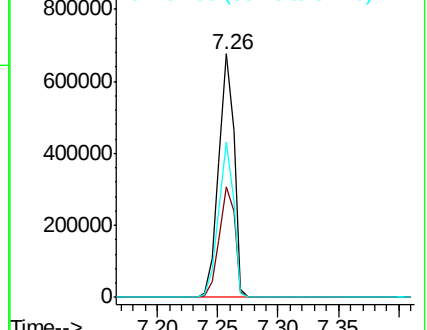
54 63.6 50.4 75.6



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: 49.786 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

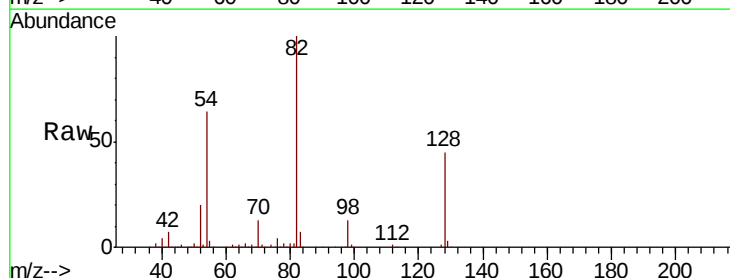
Tgt Ion: 82 Resp: 587987

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

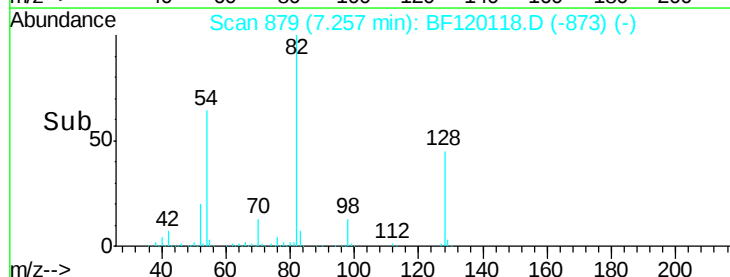
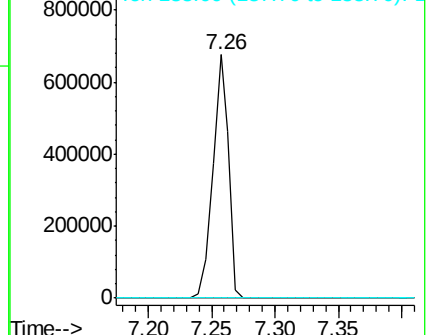
138 0.0 14.5 21.7#

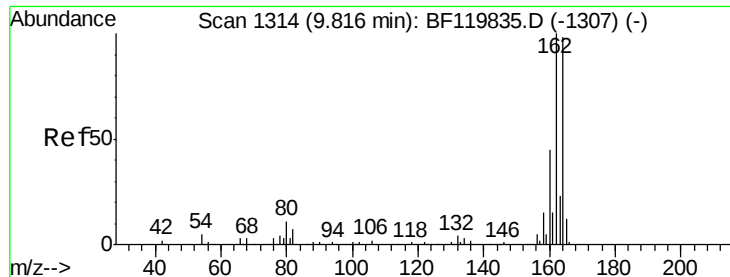


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

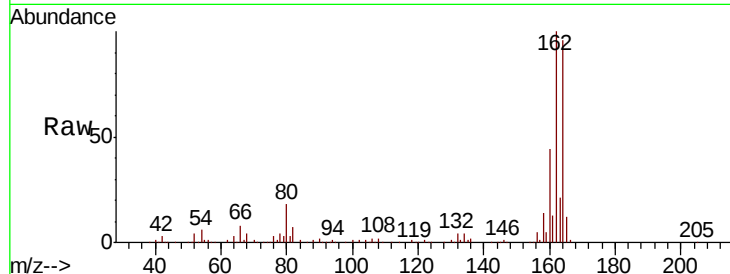




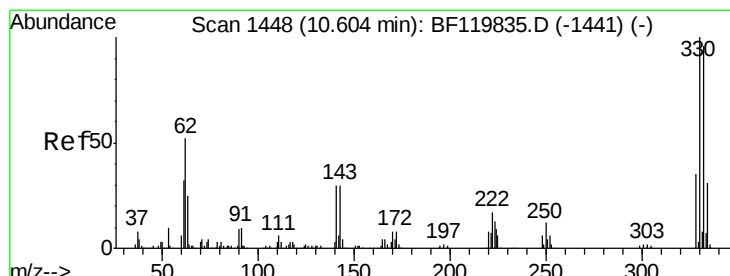
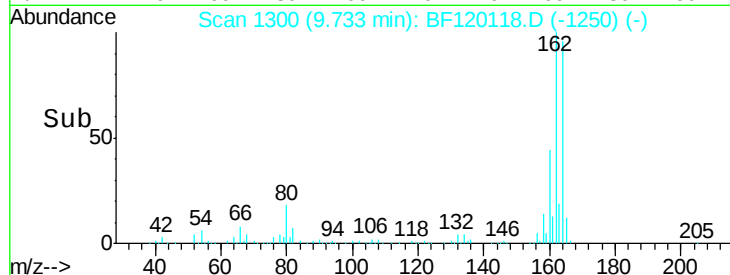
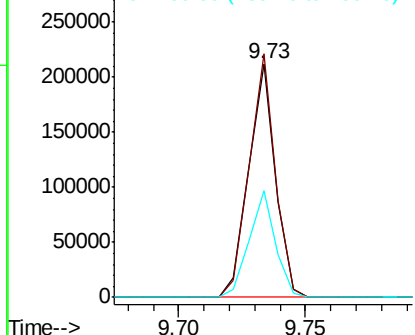
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.9	122.9
160	45.9	36.6	54.8

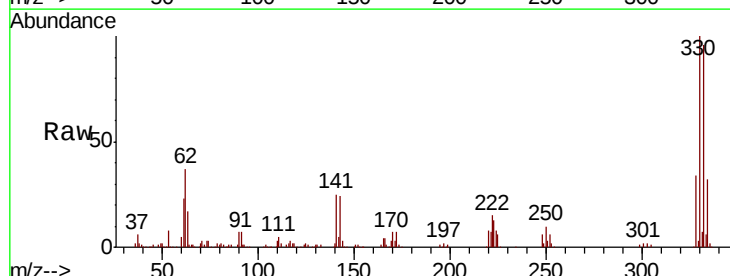


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

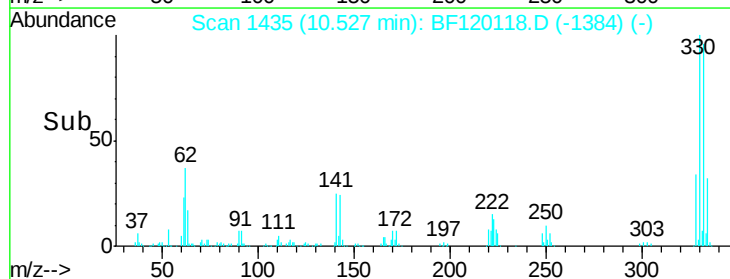
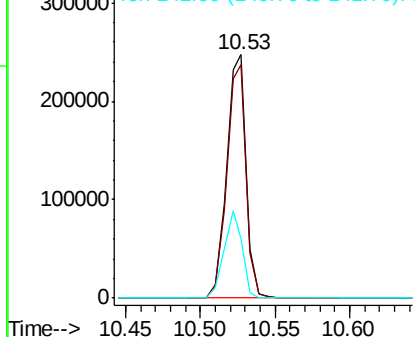


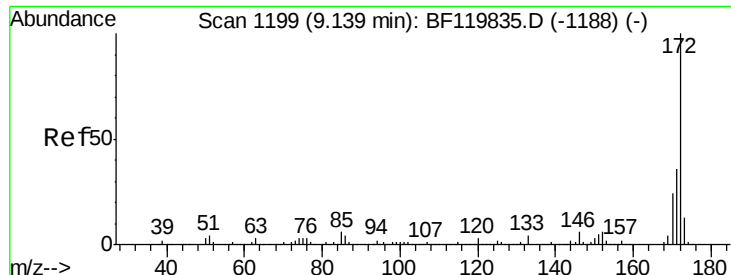
#42
 2,4,6-Tribromophenol
 Concen: 120.026 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.8	115.2
141	33.9	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

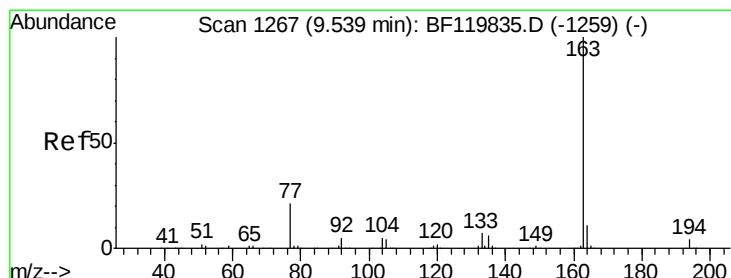
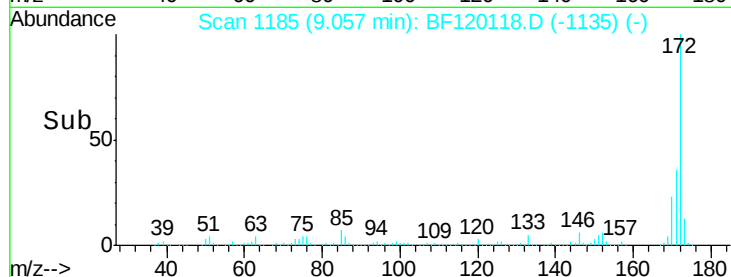
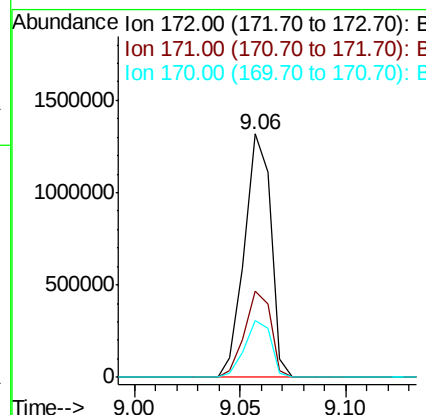
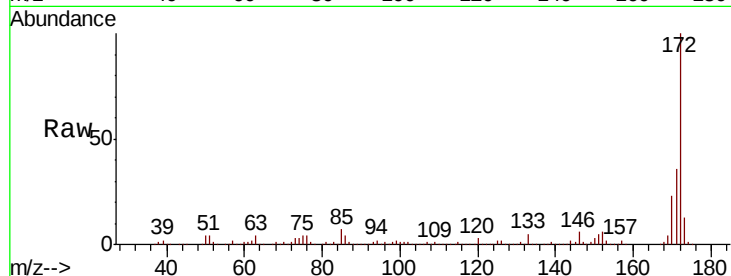




#45
2-Fluorobiphenyl
Concen: 104.243 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

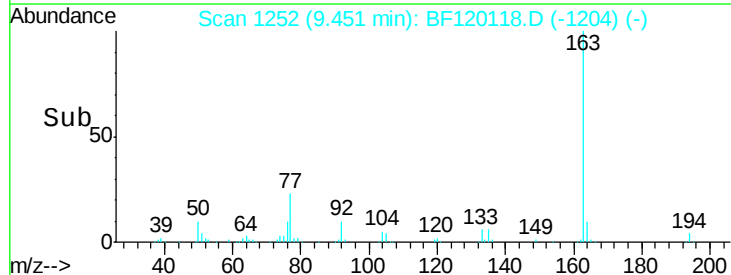
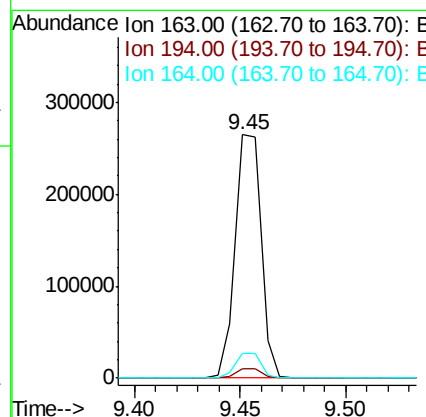
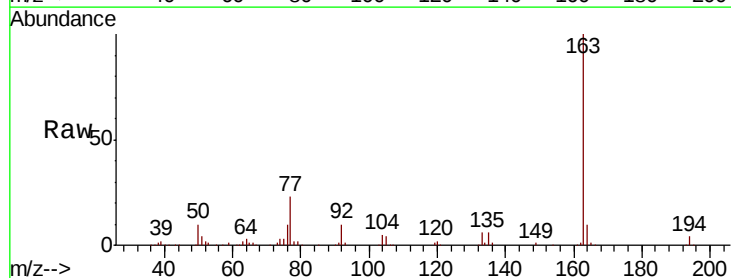
Instrument :
BNA_F
ClientSampleId :

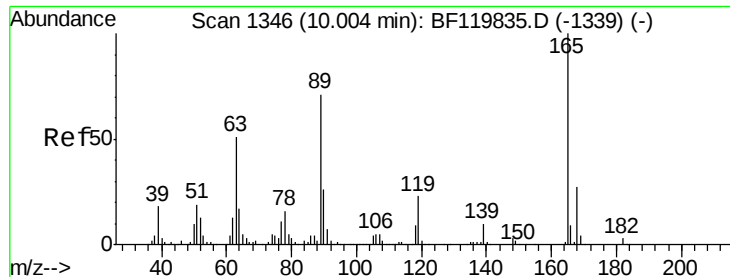
Tot Ion:172 Resp: 1142904
Ion Ratio Lower Upper
172 100
171 35.6 28.9 43.3
170 23.5 19.4 29.2



#50
Dimethylphthalate
Concen: 18.638 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

Tgt Ion:163 Resp: 224405
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.3 8.4 12.6

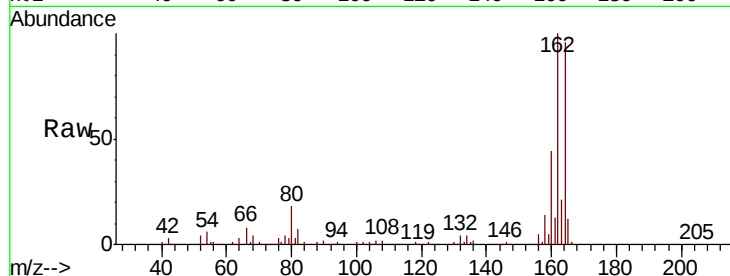




#57
2,4-Dinitrotoluene
Concen: 5.529 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.8	61.2#
89	0.0	56.9	85.3#
182	0.0	2.0	3.0#

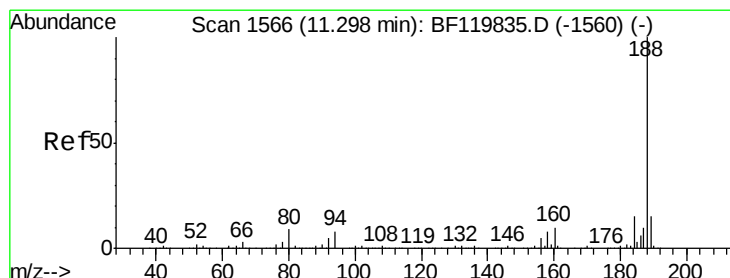
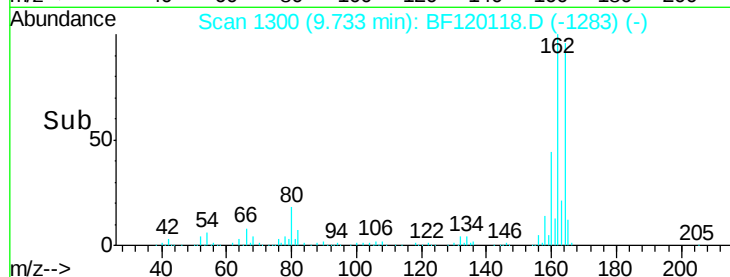
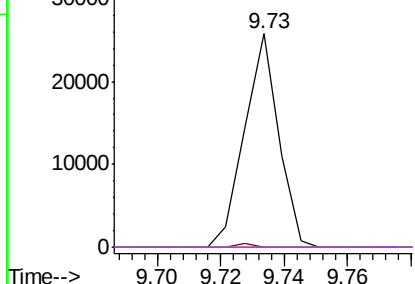


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

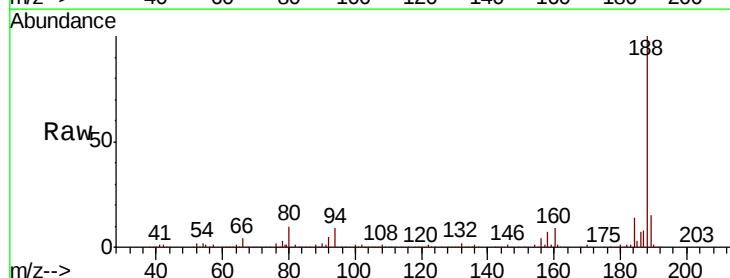
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

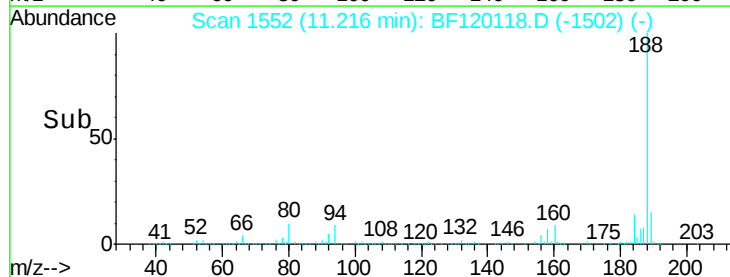
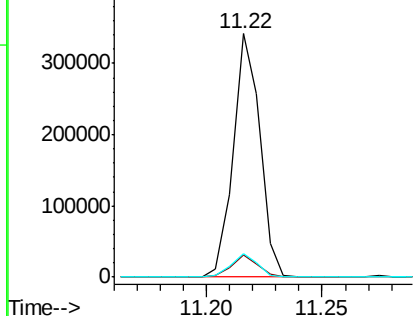
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.7	10.1
80	9.7	7.4	11.2

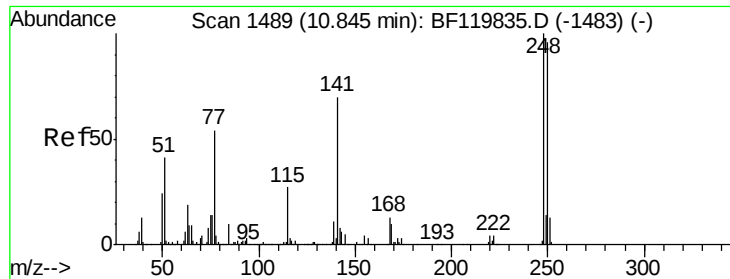


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

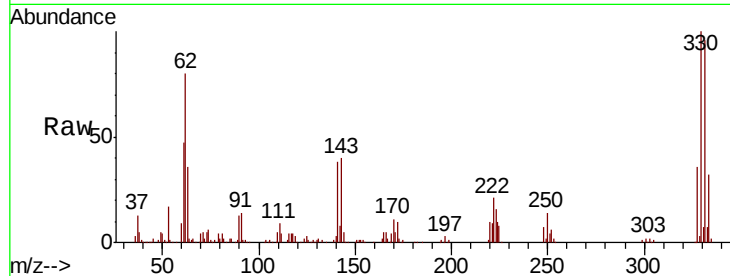




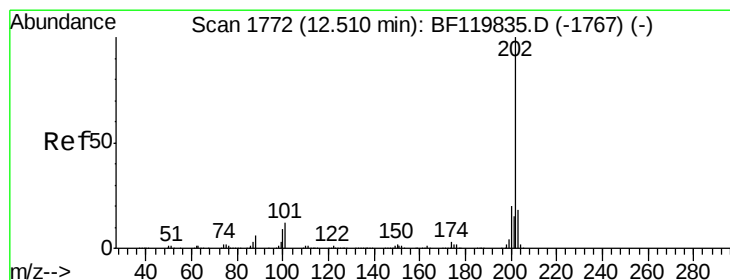
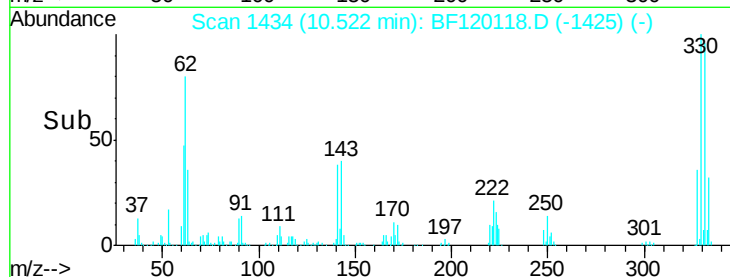
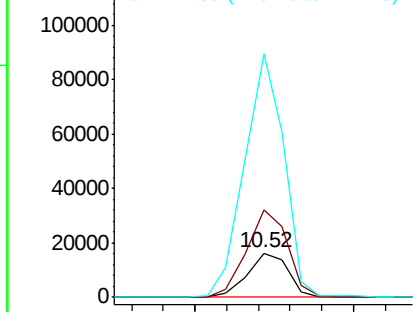
#67
4-Bromophenyl-phenylether
Concen: 4.234 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14481
Ion Ratio Lower Upper
248 100
250 198.0 76.6 114.8#
141 550.0 55.9 83.9#

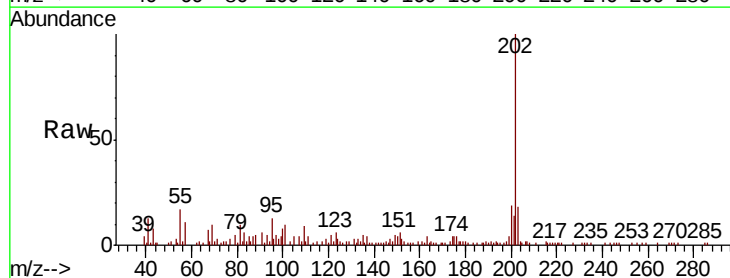


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

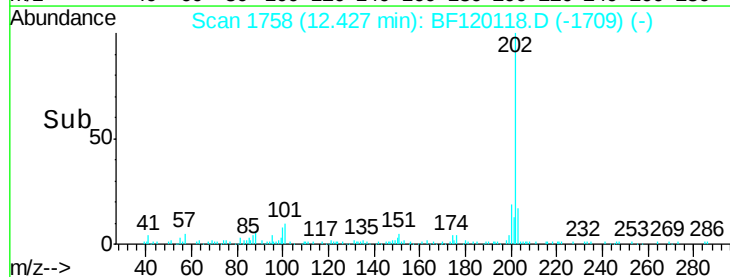
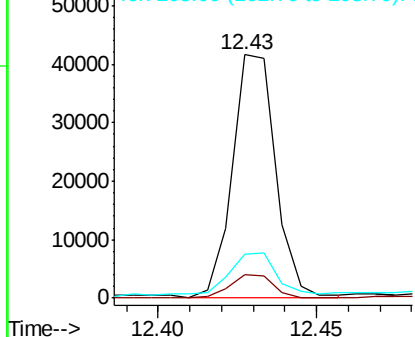


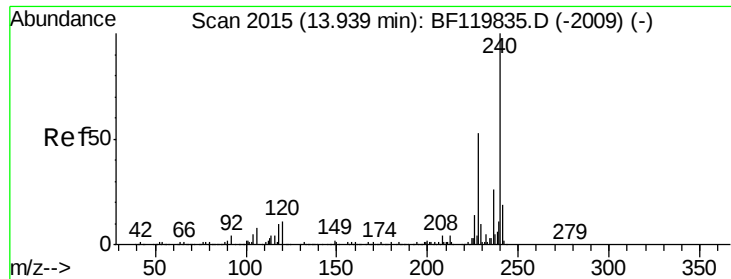
#75
Fluoranthene
Concen: 2.496 ng
RT: 12.43 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

Tgt Ion:202 Resp: 39419
Ion Ratio Lower Upper
202 100
101 9.5 0.0 32.3
203 18.1 0.0 37.6



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: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

Instrument :

BNA_F

ClientSampled :

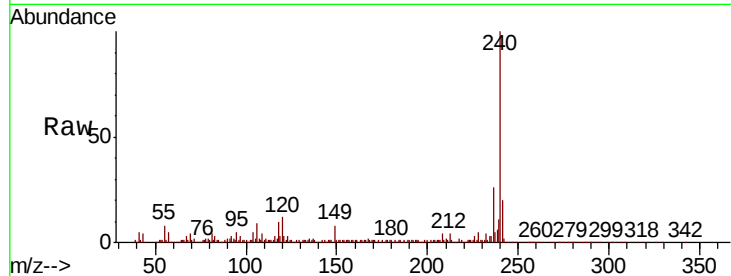
Tot Ion:240 Resp: 178504

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

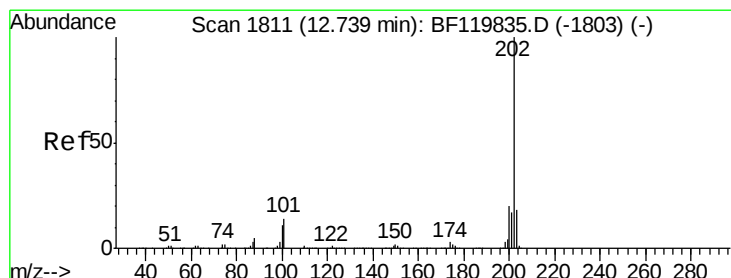
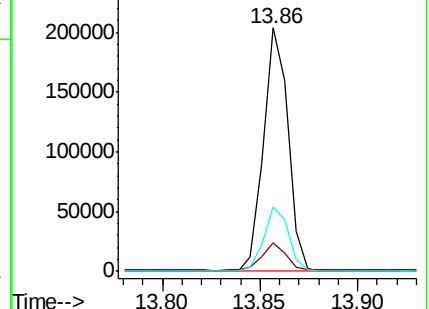
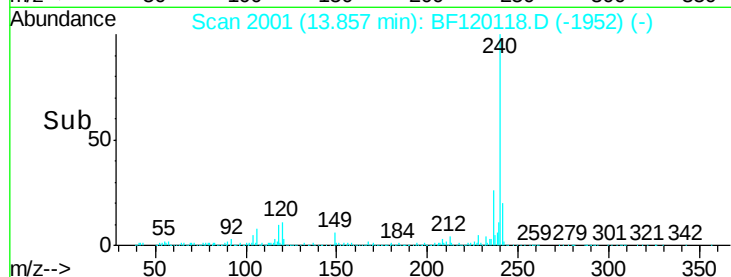
236 26.3 20.7 31.1



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: 3.652 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

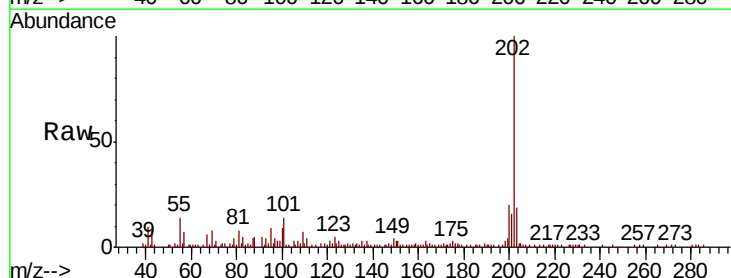
Tgt Ion:202 Resp: 54959

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

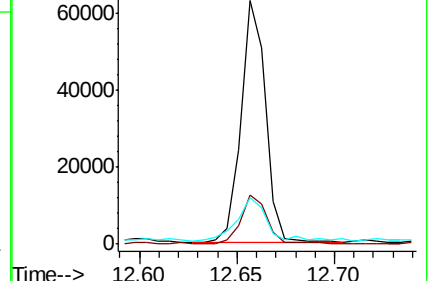
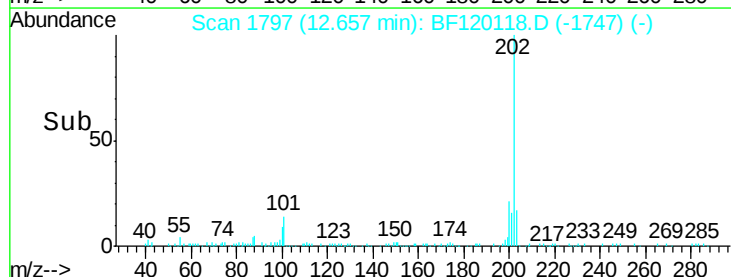
203 19.1 14.1 21.1

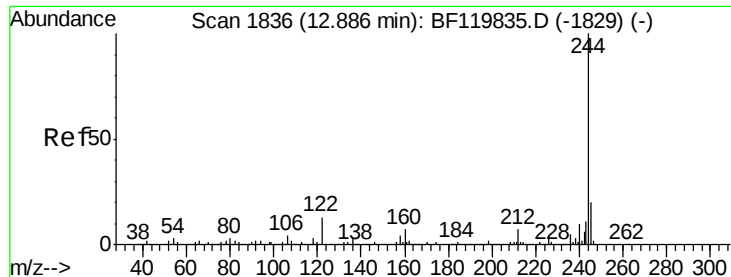


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

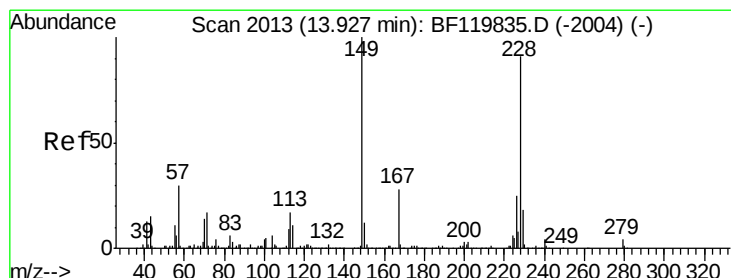
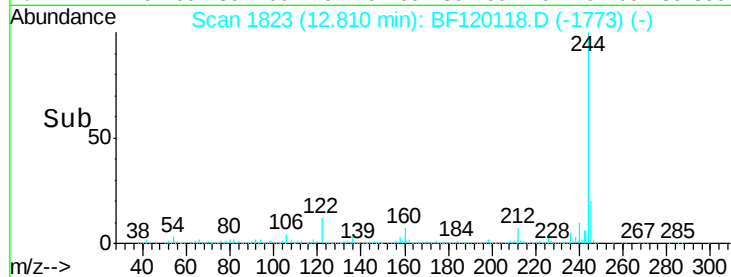
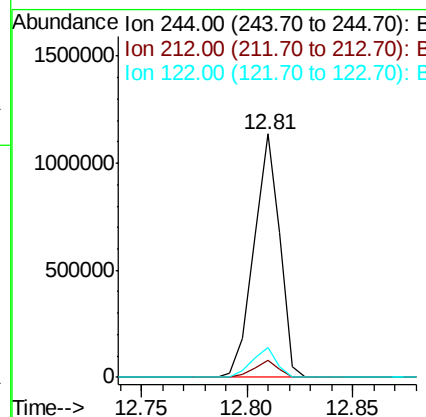
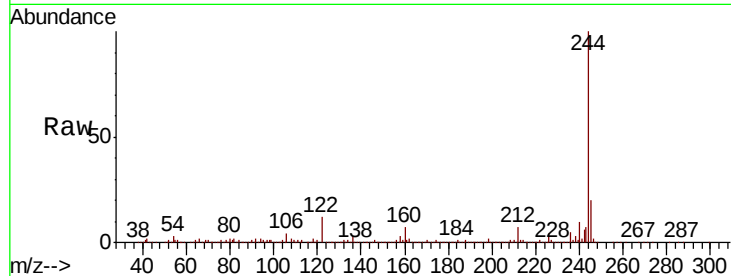




#79
 Terphenyl-d14
 Concen: 90.998 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

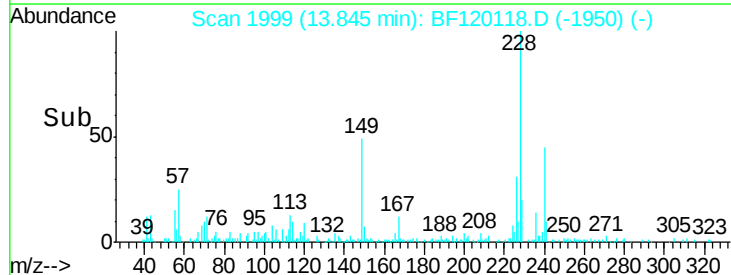
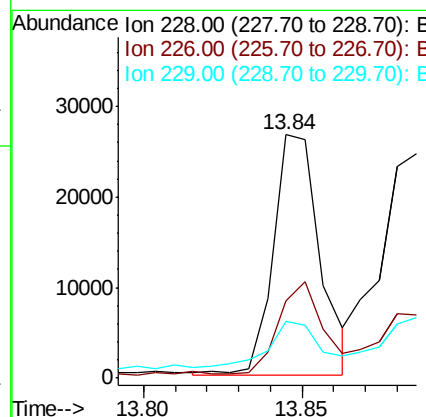
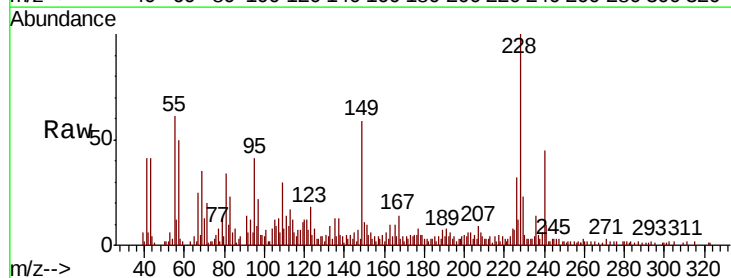
Instrument :
 BNA_F
 ClientSampled :

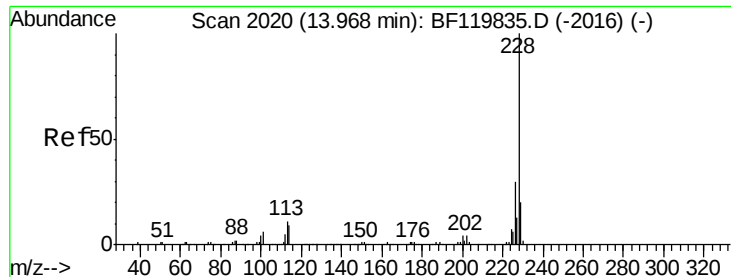
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.2	10.3	15.5



#81
 Benzo(a)anthracene
 Concen: 2.321 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF120118.D
 Acq: 21 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	21.9	32.9
229	23.4	15.9	23.9





#83

Chrysene

Concen: 2.284 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.05 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

Instrument :

BNA_F

ClientSampled :

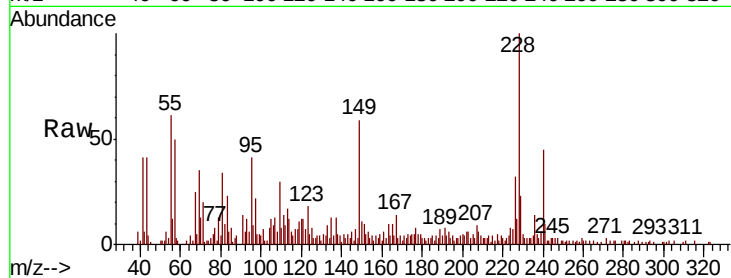
Tot Ion:228 Resp: 27251

Ion Ratio Lower Upper

228 100

226 31.9 24.2 36.2

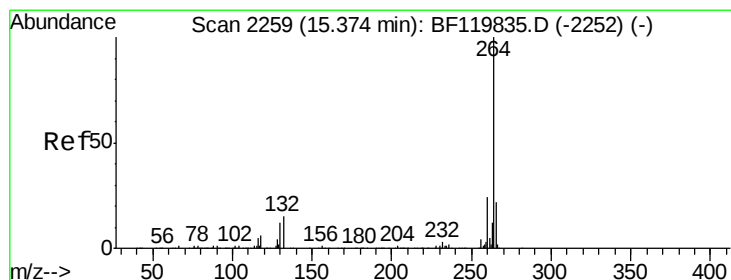
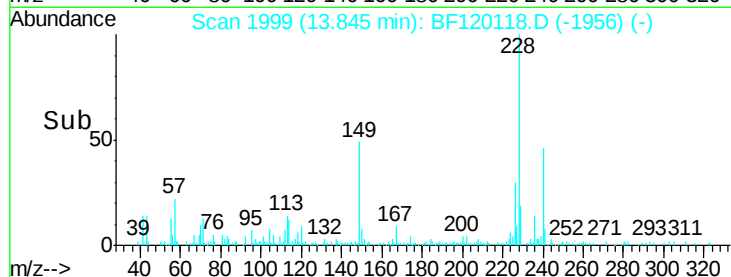
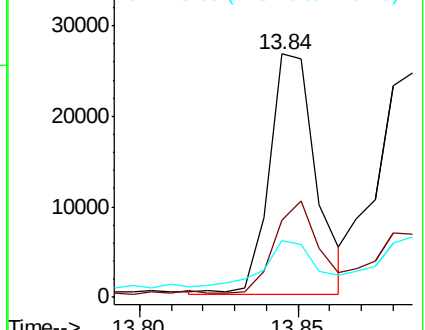
229 23.4 15.9 23.9



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: 15.27 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BF120118.D

Acq: 21 Apr 2020 22:29

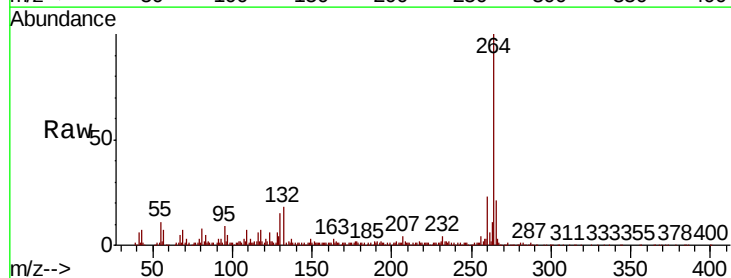
Tgt Ion:264 Resp: 163213

Ion Ratio Lower Upper

264 100

260 22.9 19.3 28.9

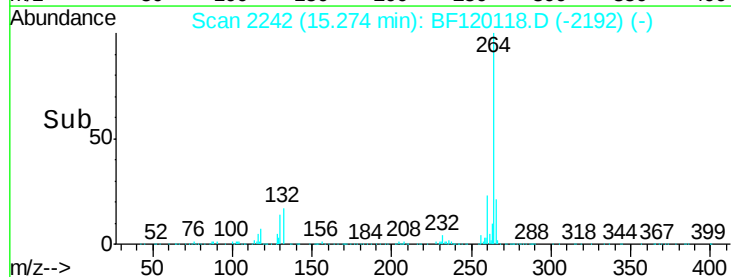
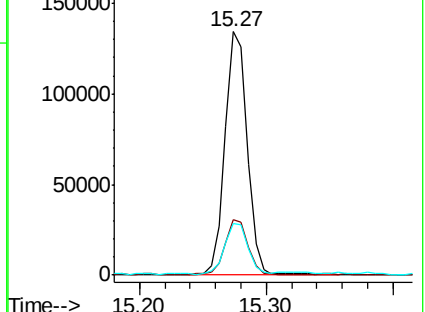
265 21.3 17.6 26.4

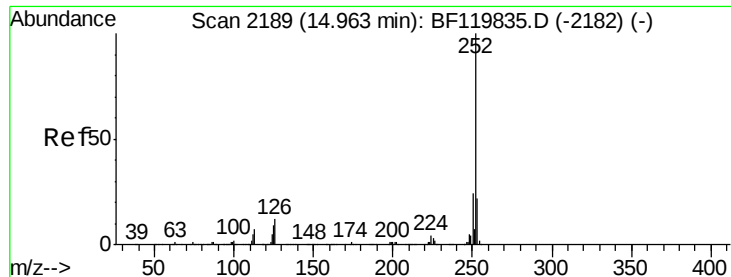


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

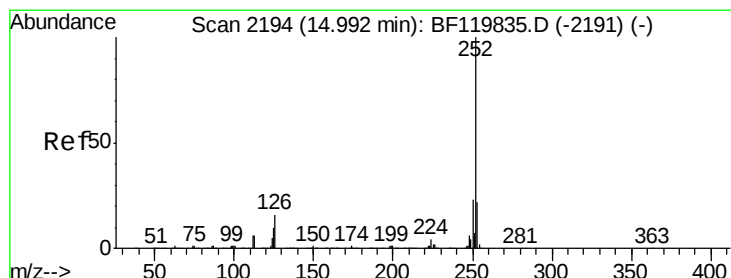
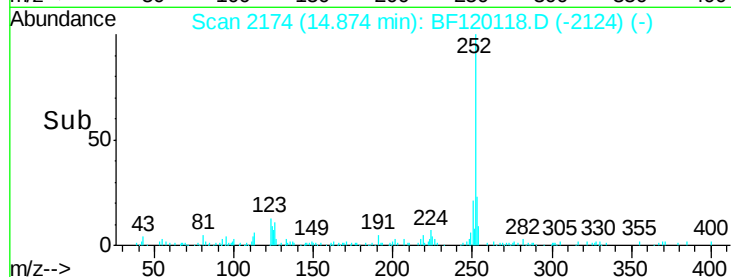
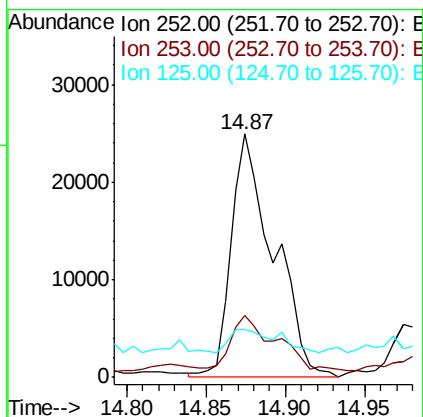
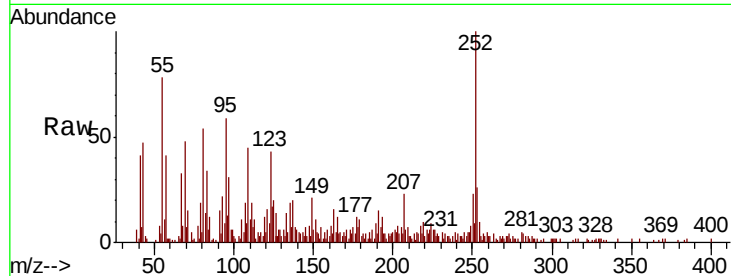




#88
Benzo(b)fluoranthene
Concen: 3.924 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

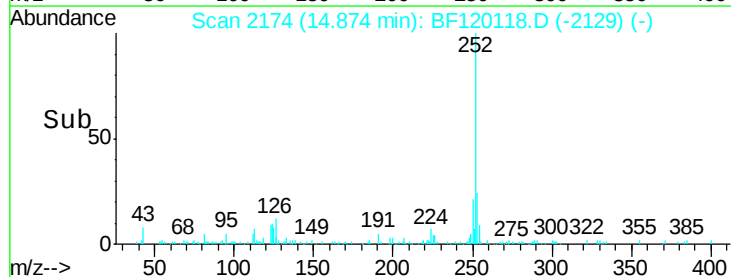
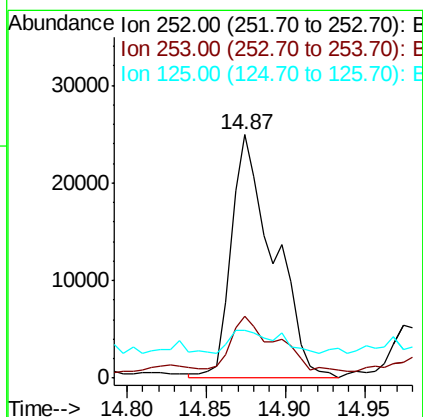
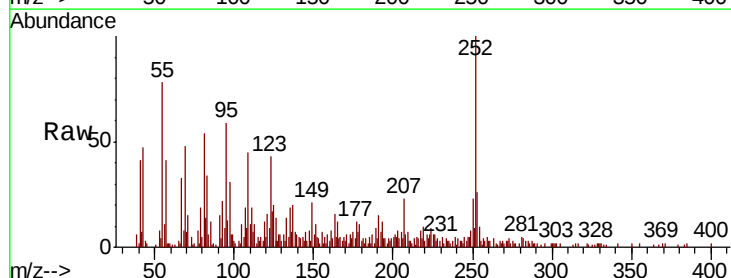
Instrument :
BNA_F
ClientSampleId :

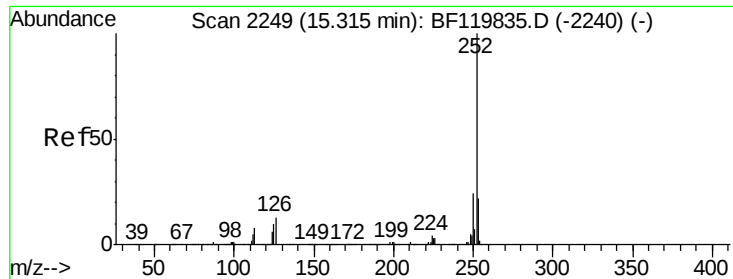
Tot Ion:252 Resp: 46071
Ion Ratio Lower Upper
252 100
253 25.6 17.7 26.5
125 19.8 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 4.548 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

Tgt Ion:252 Resp: 46071
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 19.8 7.7 11.5#

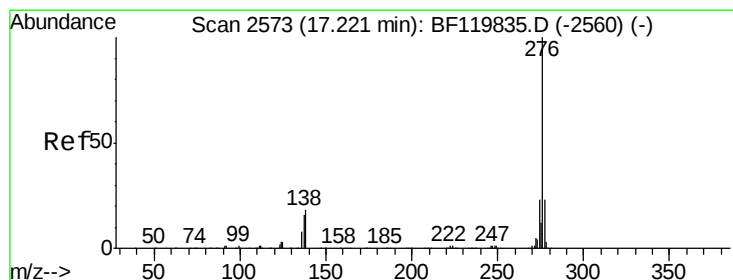
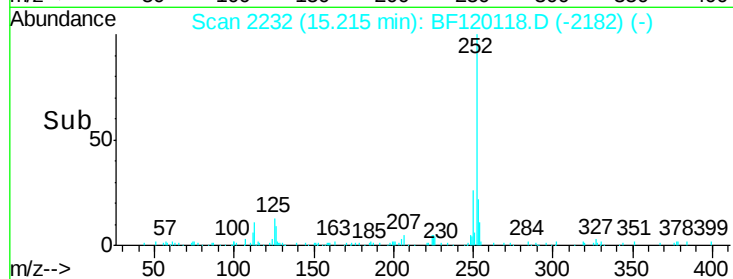
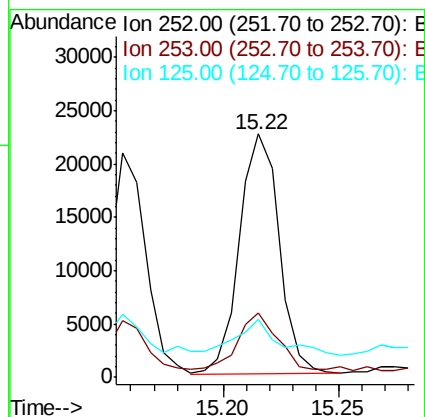
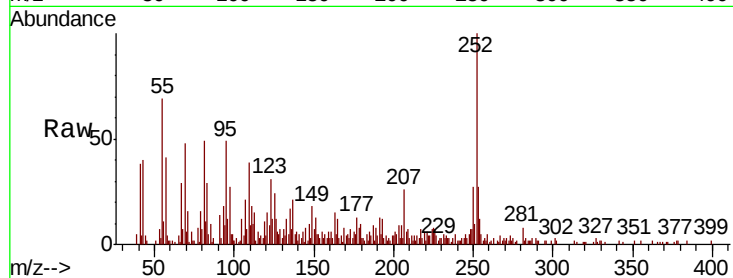




#90
Benzo(a)pyrene
Concen: 2.744 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.4	26.2
125	23.8	8.3	12.5



#92
Benzo(g,h,i)perylene
Concen: 2.343 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BF120118.D
Acq: 21 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.5	27.7
138	23.2	14.6	22.0

