

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120498.D
 Acq On : 2 Jun 2020 16:45
 Operator : JU/CG
 Sample : L2798-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 17:35:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	162031	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	546827	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	244300	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	444864	20.00	ng	0.00
76) Chrysene-d12	14.01	240	404706	20.00	ng	0.00
86) Perylene-d12	15.47	264	332891	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	787195	92.59	ng	0.00
7) Phenol-d6	6.47	99	934762	89.20	ng	0.00
23) Nitrobenzene-d5	7.40	82	559187	66.89	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	214556	94.79	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1015323	70.52	ng	0.00
79) Terphenyl-d14	12.96	244	1102196	60.60	ng	0.00

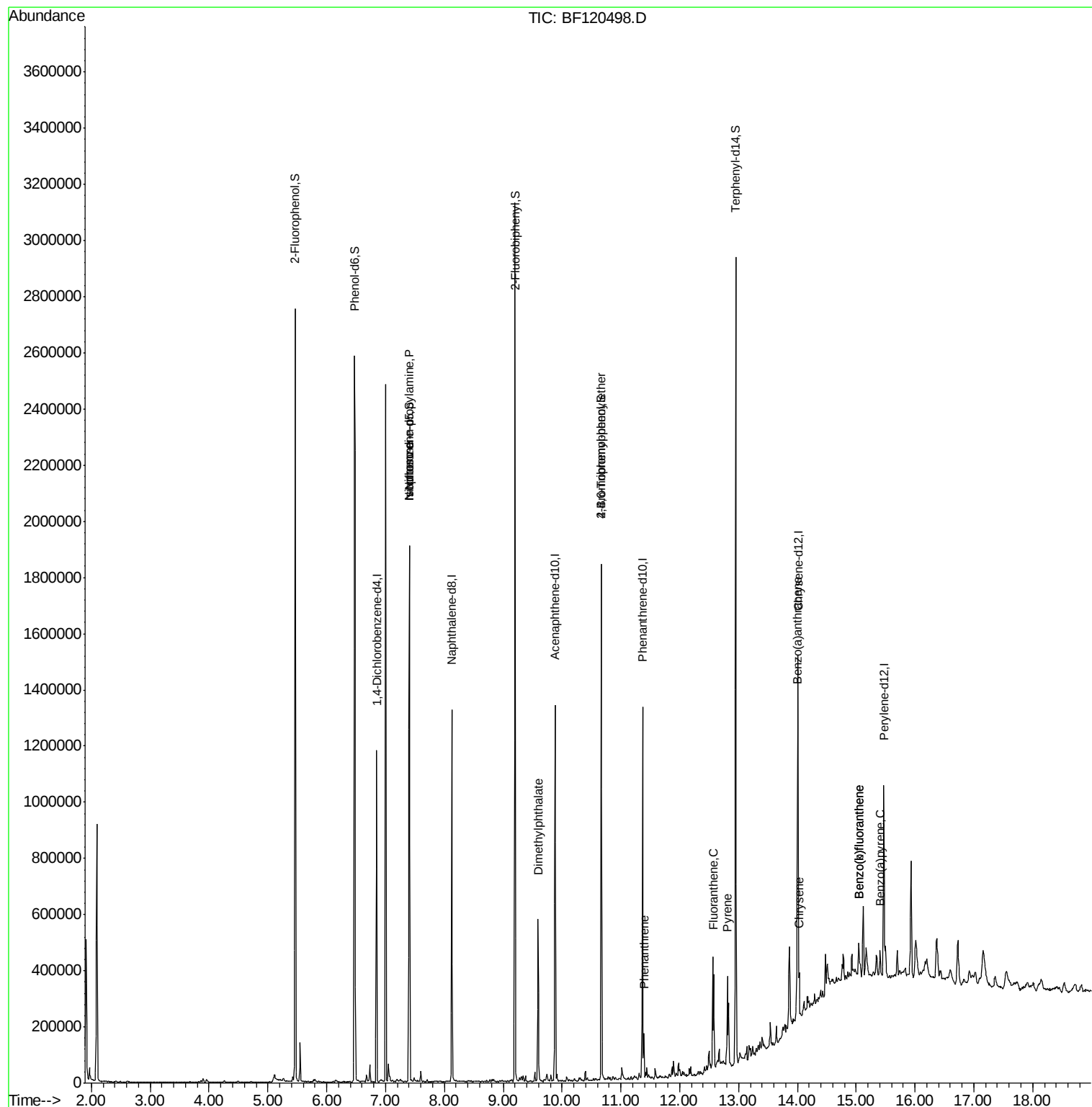
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	73090	10.972	ng	# 76
25) Isophorone	7.40	82	556671	33.132	ng	# 64
50) Dimethylphthalate	9.59	163	200096	13.101	ng	100
67) 4-Bromophenyl-phenylether	10.67	248	12633	2.813	ng	# 1
71) Phenanthrene	11.39	178	47490	2.423	ng	99
75) Fluoranthene	12.58	202	116225	5.510	ng	97
78) Pyrene	12.81	202	118606	4.214	ng	97
81) Benzo(a)anthracene	14.00	228	70087	3.231	ng	95
83) Chrysene	14.03	228	59965	2.637	ng	95
88) Benzo(b)fluoranthene	15.04	252	88924	4.809	ng	# 91
89) Benzo(k)fluoranthene	15.04	252	88924	5.152	ng	# 90
90) Benzo(a)pyrene	15.40	252	46958	2.903	ng	# 94

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

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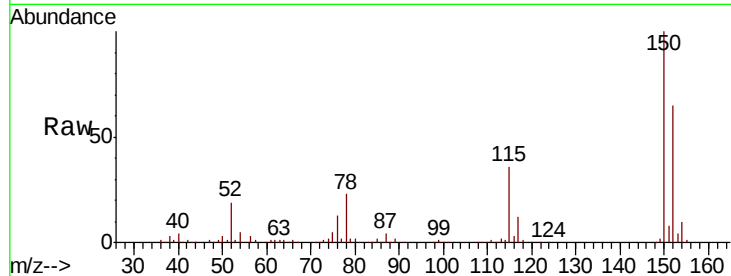


#1

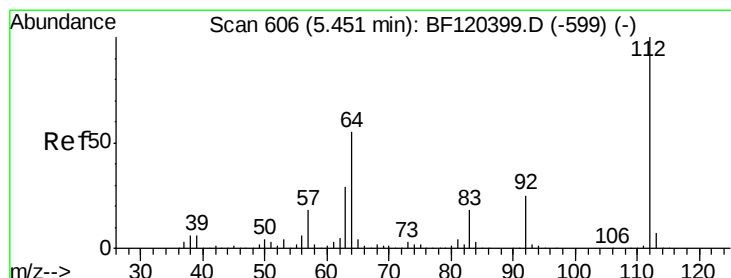
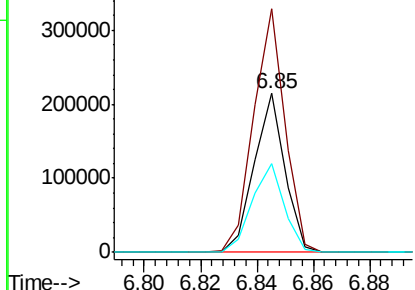
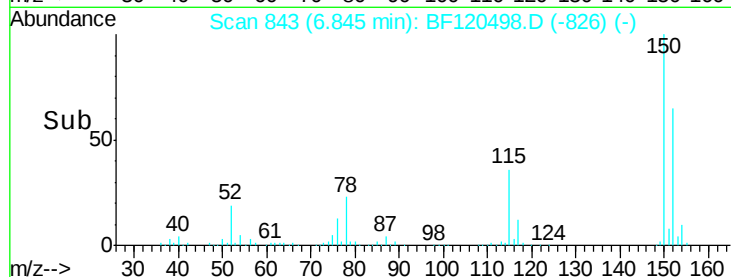
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162031
Ion Ratio Lower Upper
152 100
150 153.6 126.7 190.1
115 55.9 46.2 69.2



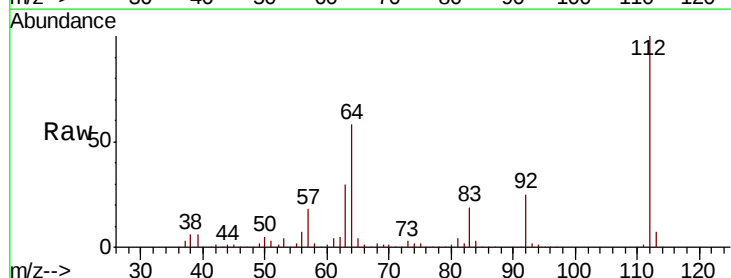
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



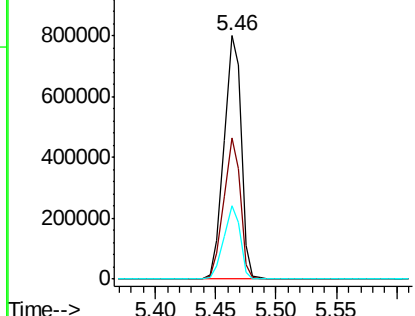
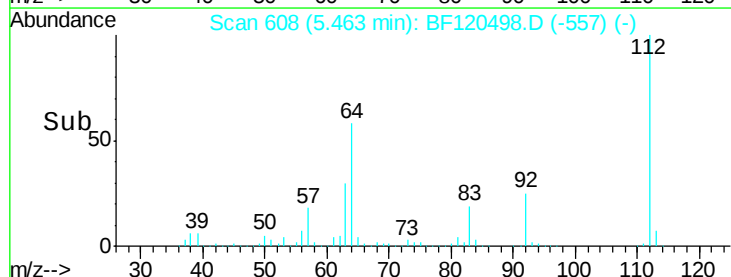
#5

2-Fluorophenol
Concen: 92.587 ng
RT: 5.46 min Scan# 608
Delta R.T. -0.00 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Tgt Ion:112 Resp: 787195
Ion Ratio Lower Upper
112 100
64 58.1 46.3 69.5
63 30.0 24.2 36.2



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: 89.198 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

Instrument :

BNA_F

ClientSampleId :

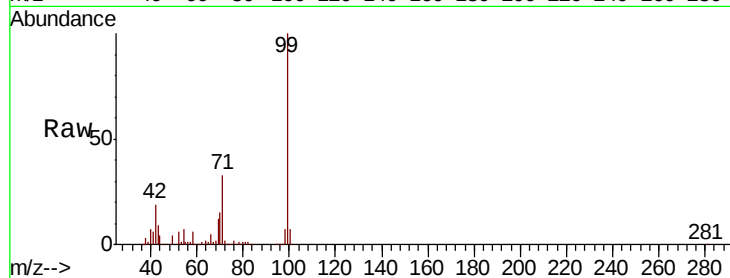
Tot Ion: 99 Resp: 934762

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

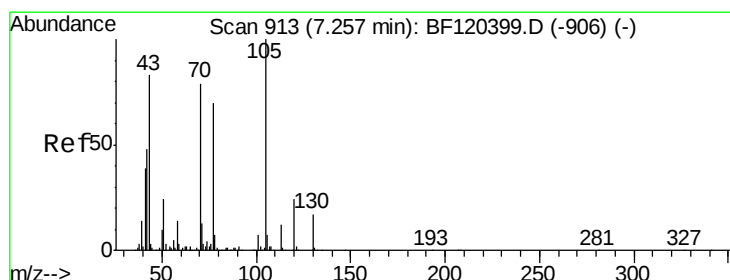
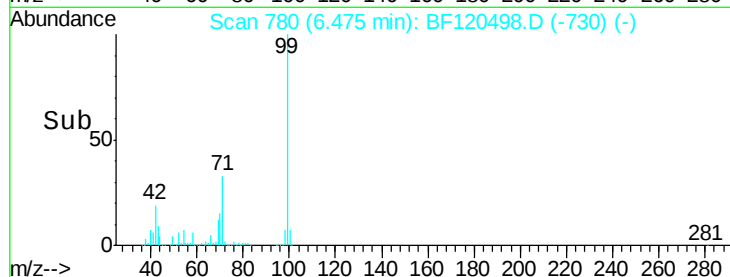
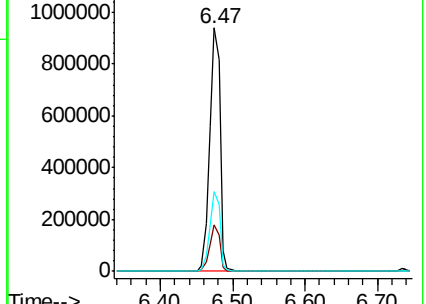
71 32.7 26.2 39.4



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: 10.972 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

Tgt Ion: 70 Resp: 73090

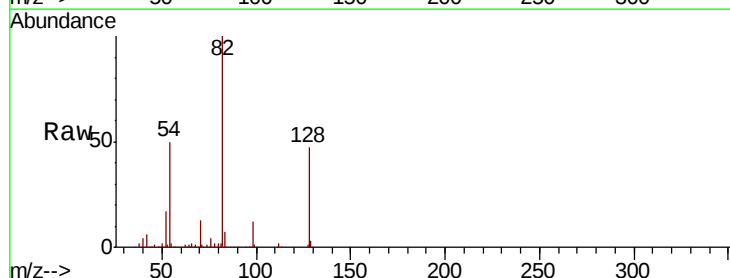
Ion Ratio Lower Upper

70 100

42 45.7 47.4 71.2#

101 0.0 7.8 11.6#

130 2.3 17.1 25.7#

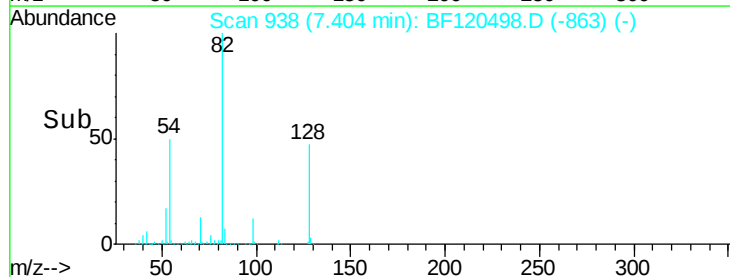
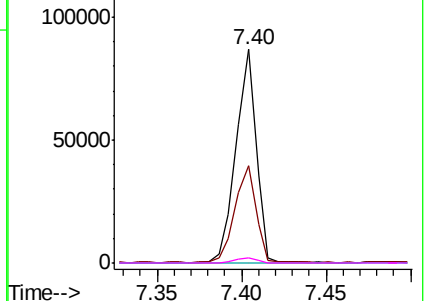


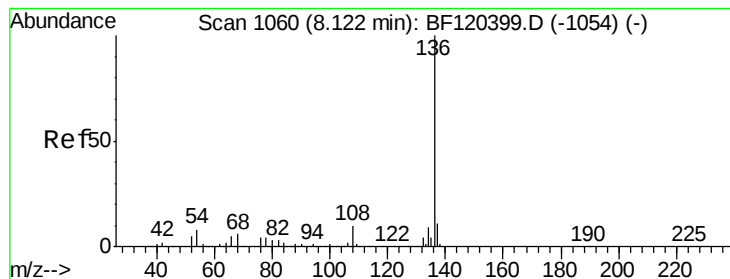
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 546827

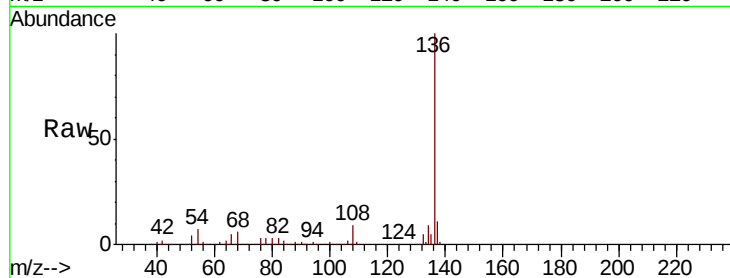
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.1 6.2 9.4

68 5.7 5.0 7.6

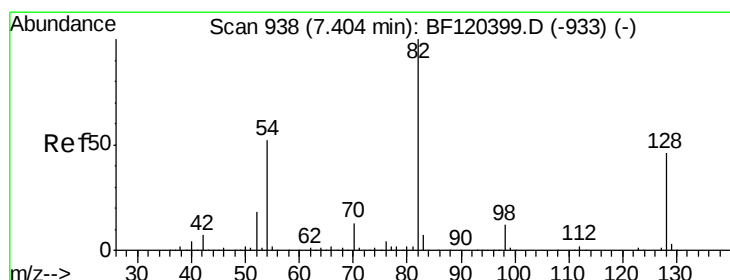
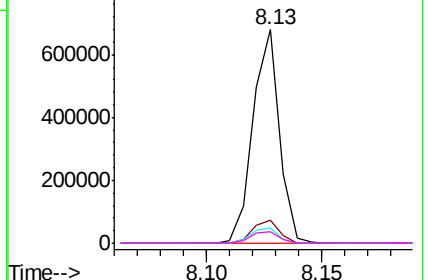
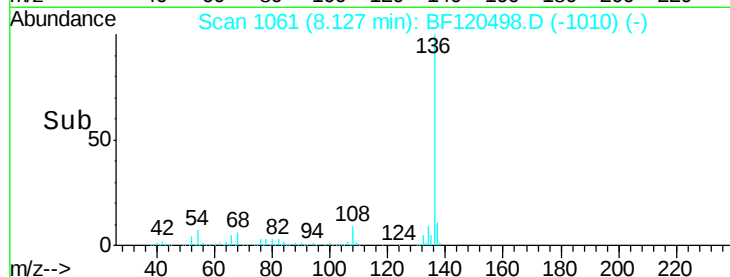


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.892 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

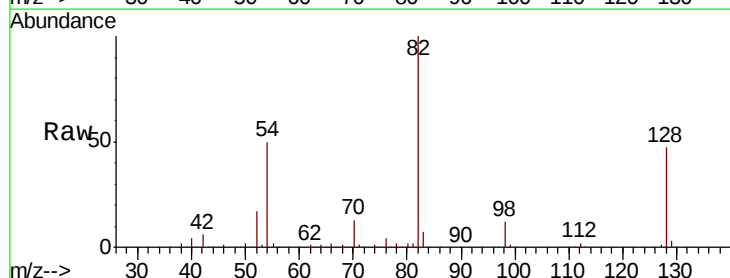
Tgt Ion: 82 Resp: 559187

Ion Ratio Lower Upper

82 100

128 47.1 37.0 55.6

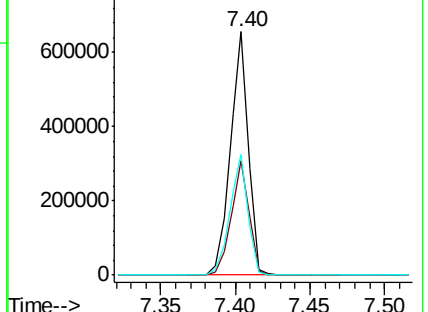
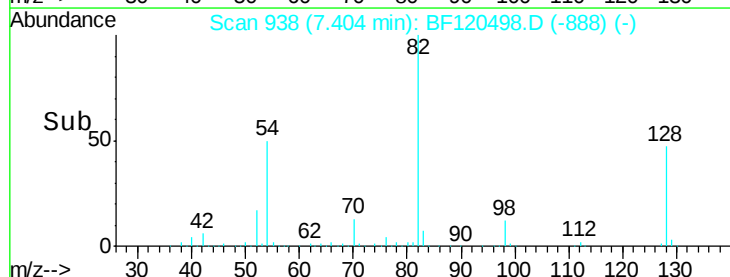
54 49.7 41.0 61.4



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: 33.132 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

Instrument :

BNA_F

ClientSampleId :

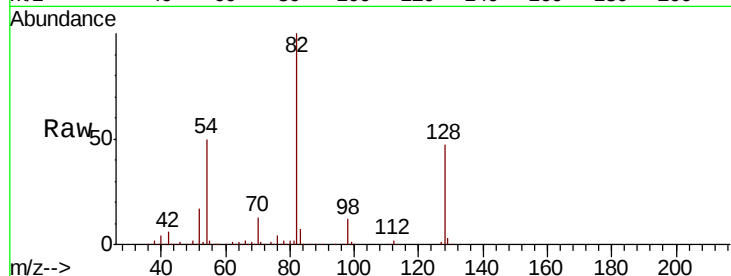
Tot Ion: 82 Resp: 556671

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

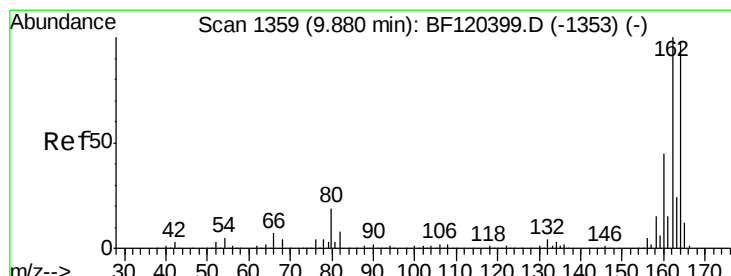
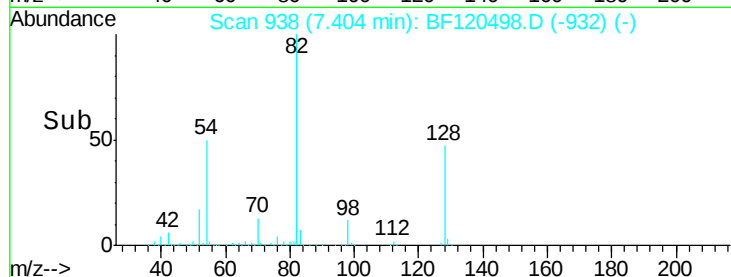
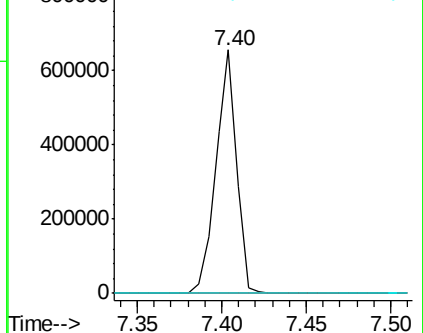
138 0.0 15.0 22.6#



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: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

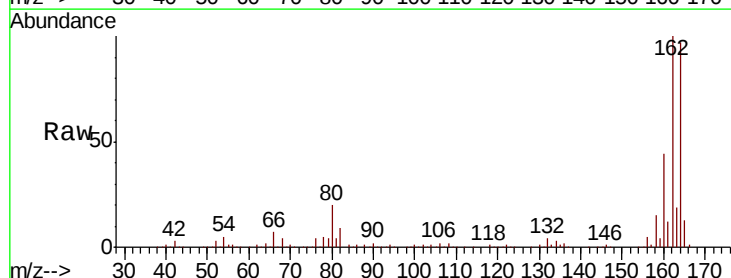
Tgt Ion: 164 Resp: 244300

Ion Ratio Lower Upper

164 100

162 103.3 81.9 122.9

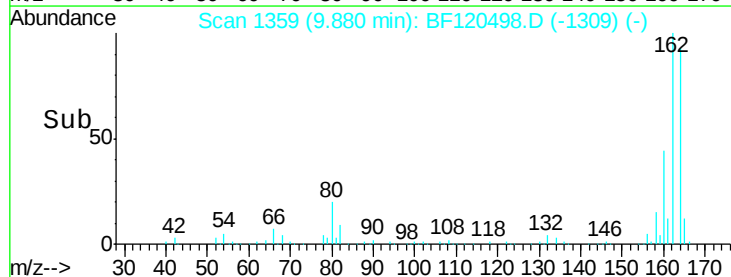
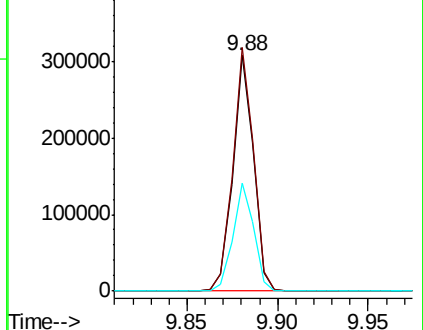
160 45.7 37.4 56.0



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

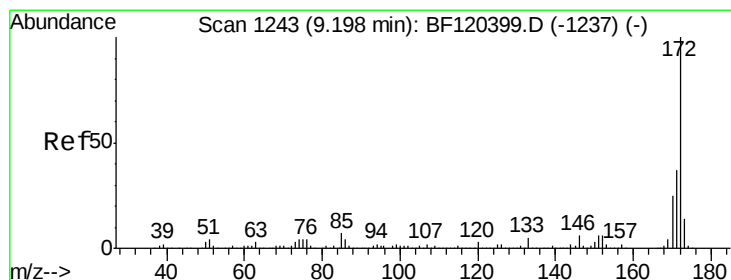
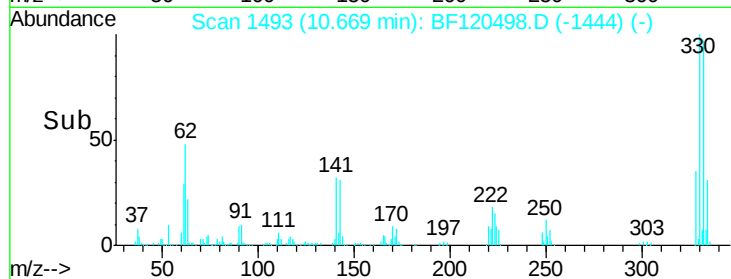
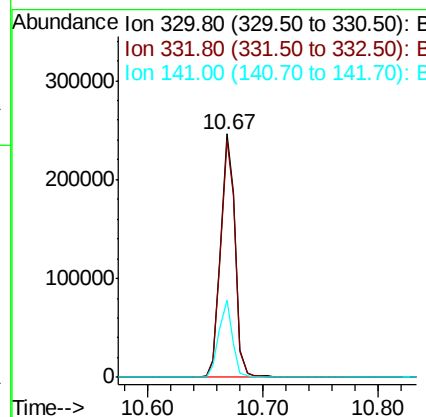
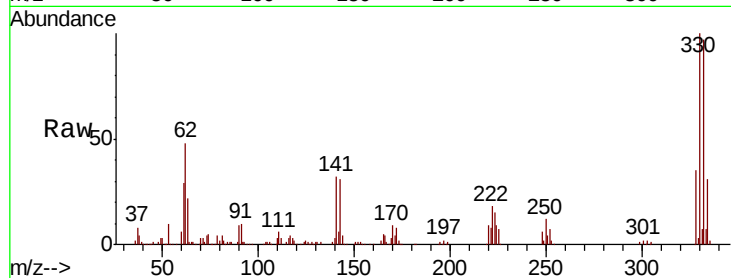




#42
 2,4,6-Tribromophenol
 Concen: 94.787 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF120498.D
 Acq: 2 Jun 2020 16:45

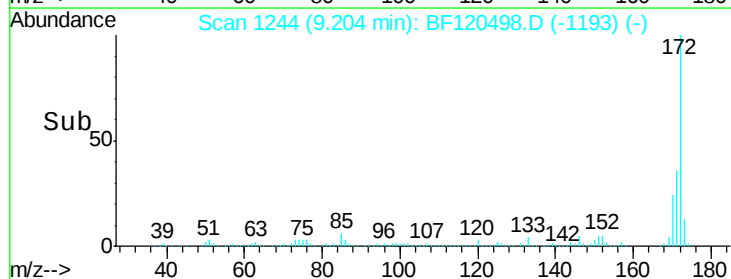
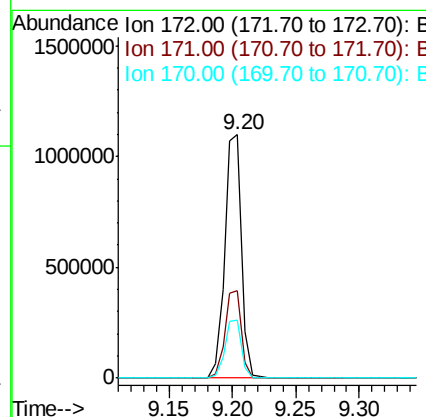
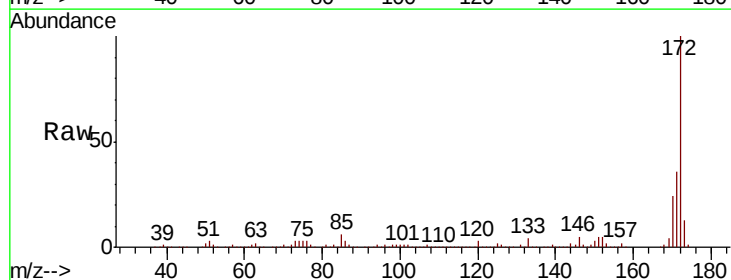
Instrument :
 BNA_F
 ClientSampleId :

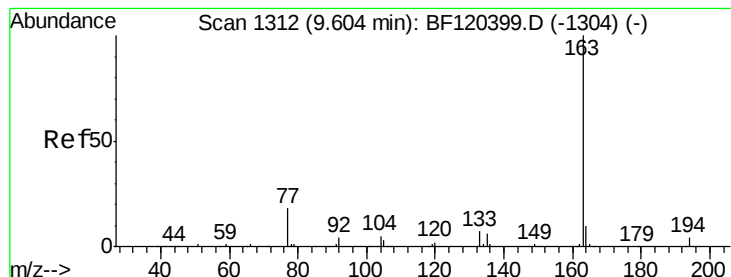
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.8	115.2
141	29.8	23.9	35.9



#45
 2-Fluorobiphenyl
 Concen: 70.515 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF120498.D
 Acq: 2 Jun 2020 16:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.2
170	24.0	19.9	29.9





#50

Dimethylphthalate

Concen: 13.101 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

Instrument :

BNA_F

ClientSampleId :

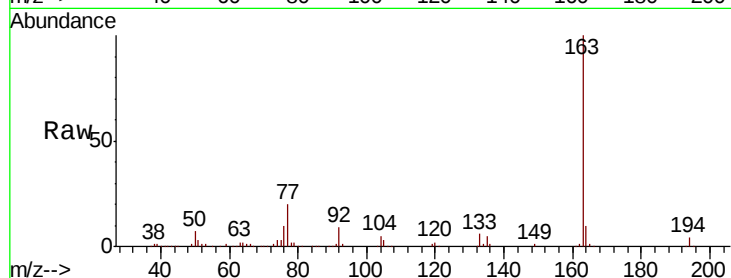
Tot Ion:163 Resp: 200096

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

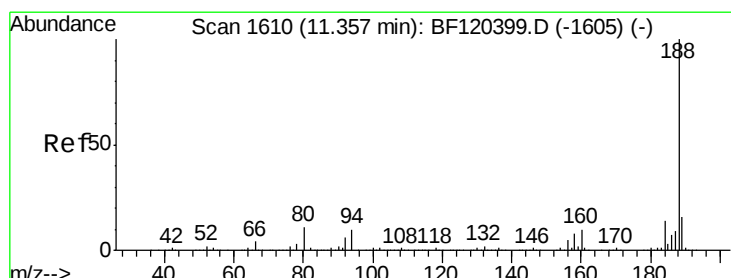
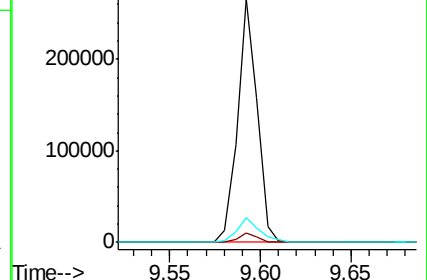
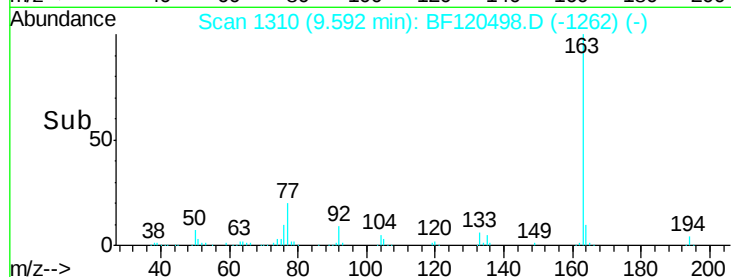
164 10.2 8.2 12.2



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: 11.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF120498.D

Acq: 2 Jun 2020 16:45

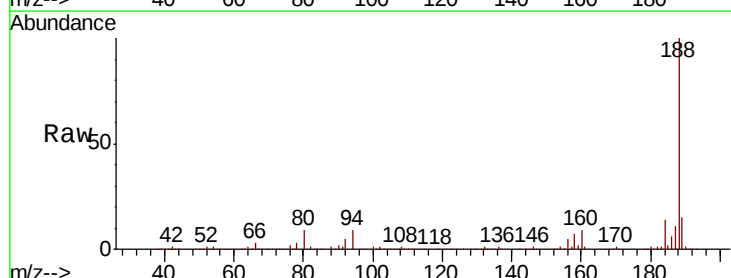
Tgt Ion:188 Resp: 444864

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

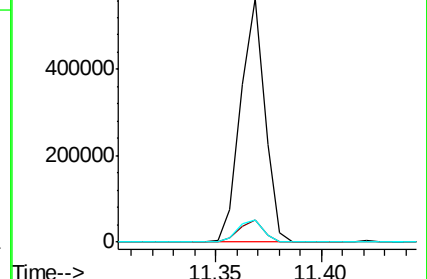
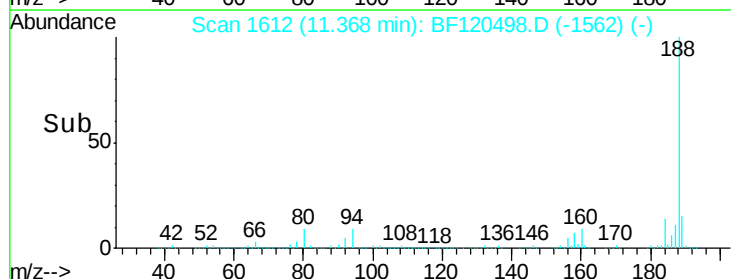
80 9.1 7.1 10.7

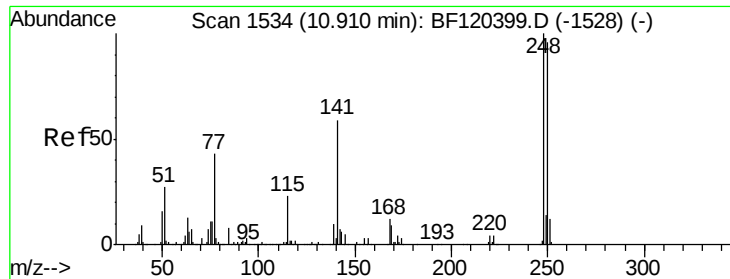


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

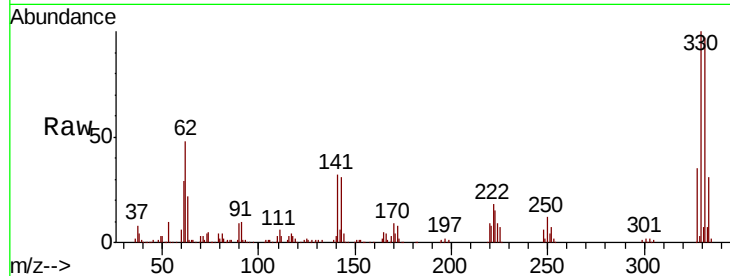




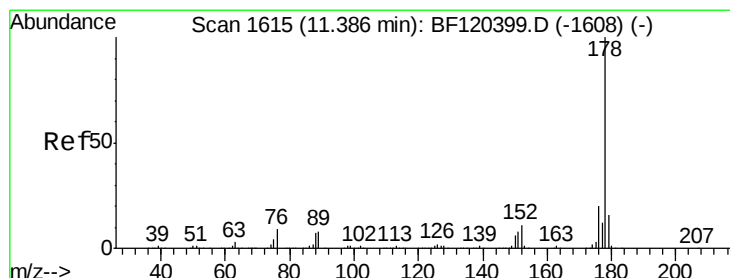
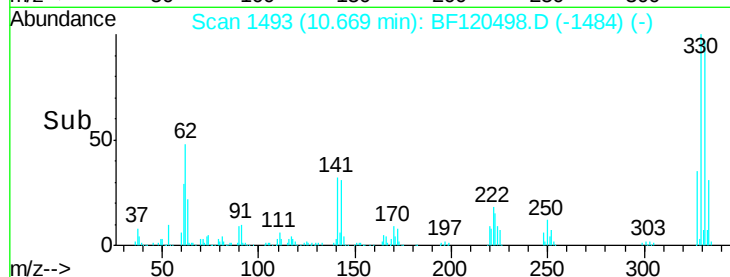
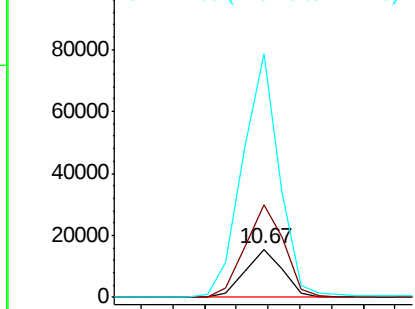
#67
 4-Bromophenyl-phenylether
 Concen: 2.813 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.25 min
 Lab File: BF120498.D
 Acq: 2 Jun 2020 16:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12633
 Ion Ratio Lower Upper
 248 100
 250 194.2 77.8 116.6#
 141 509.5 54.8 82.2#

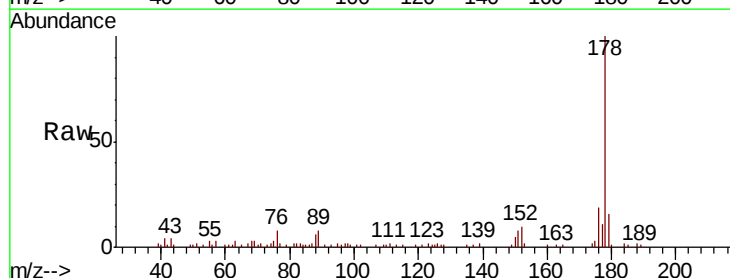


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

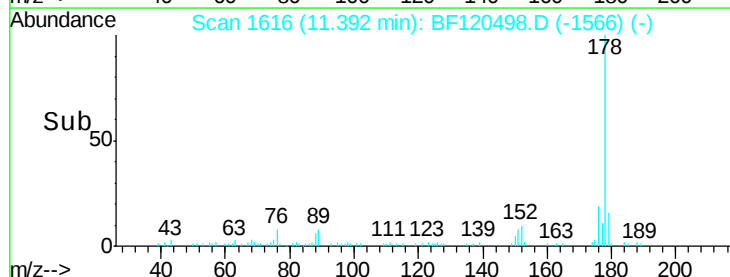
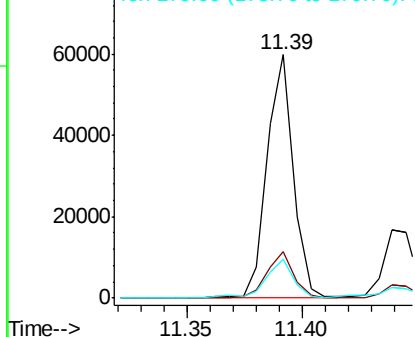


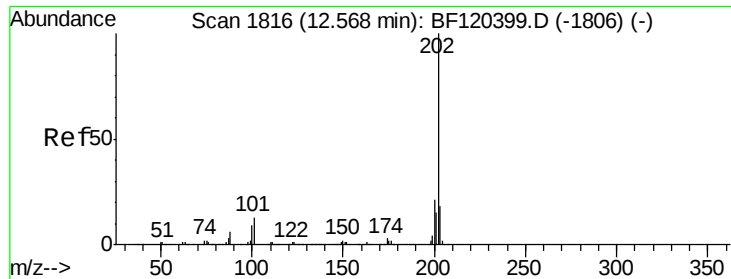
#71
 Phenanthrene
 Concen: 2.423 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120498.D
 Acq: 2 Jun 2020 16:45

Tgt Ion:178 Resp: 47490
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.2
 179 16.0 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: 5.510 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120498.D

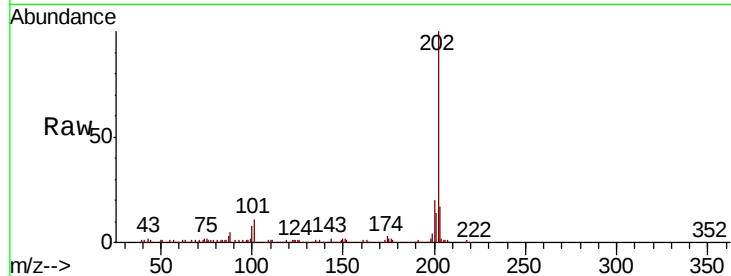
Acq: 2 Jun 2020 16:45

Instrument :

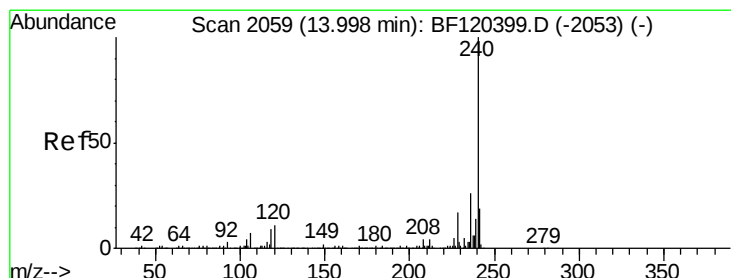
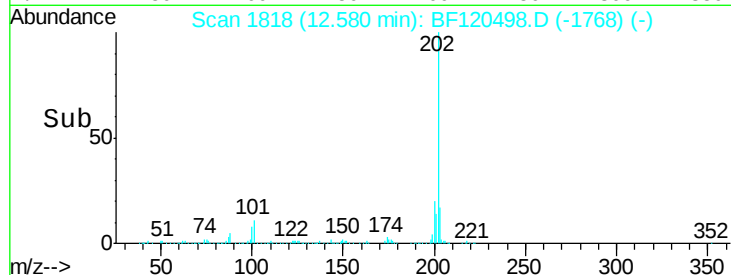
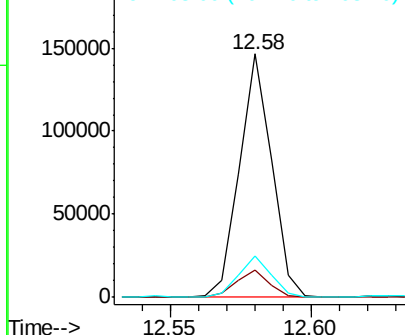
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	116225
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.0	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

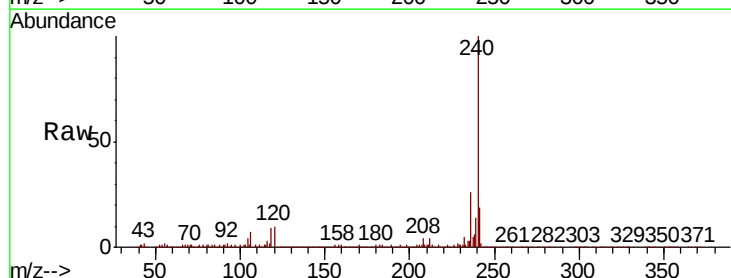
RT: 14.01 min Scan# 2061

Delta R.T. -0.01 min

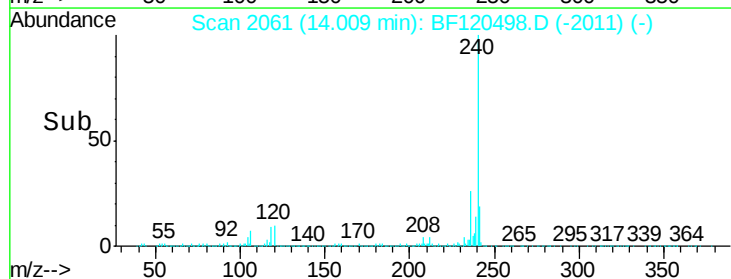
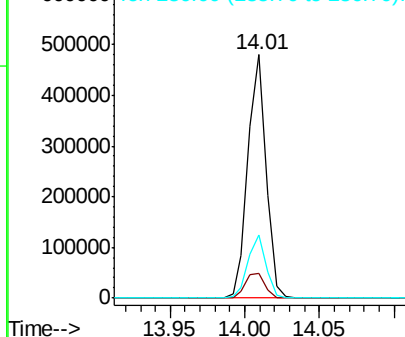
Lab File: BF120498.D

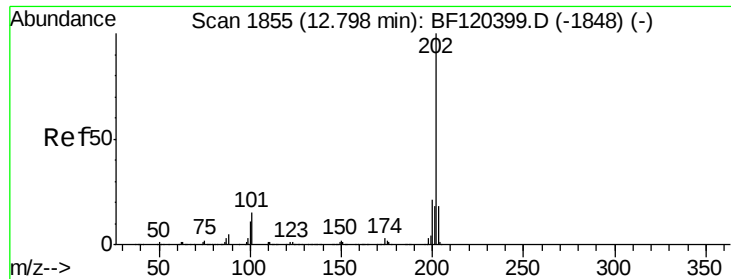
Acq: 2 Jun 2020 16:45

Tgt Ion:	240	Resp:	404706
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.9	14.9
236	26.1	21.0	31.6



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

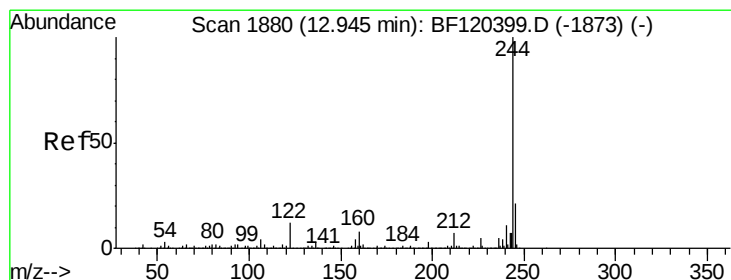
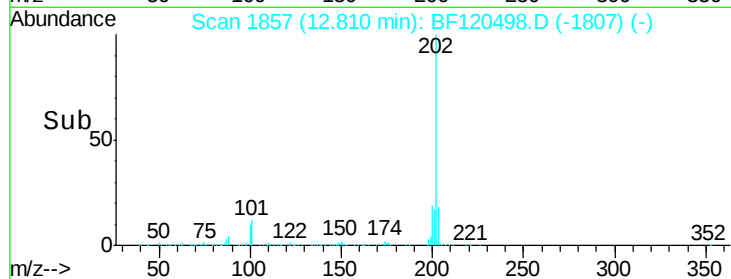
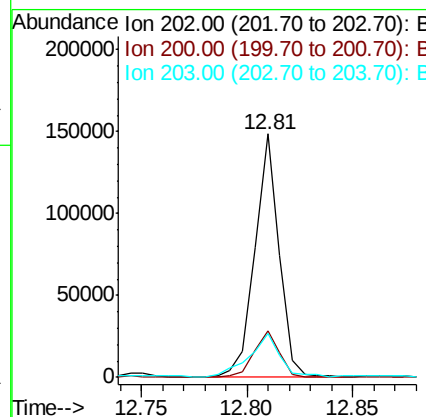
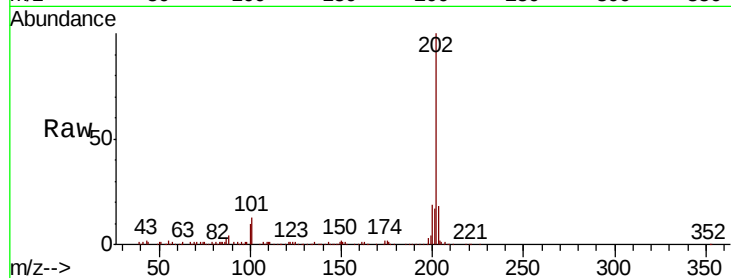




#78
Pvrene
Concen: 4.214 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

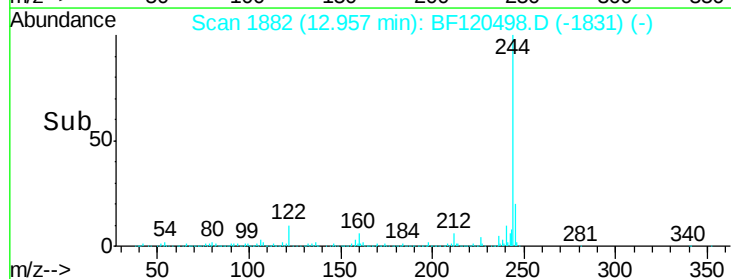
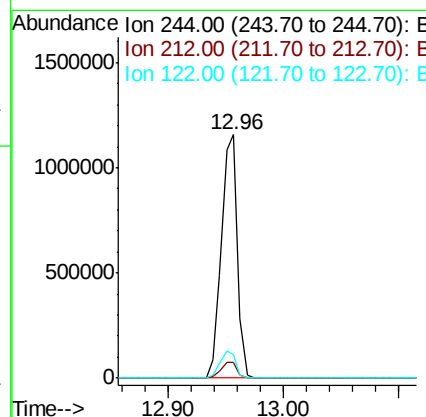
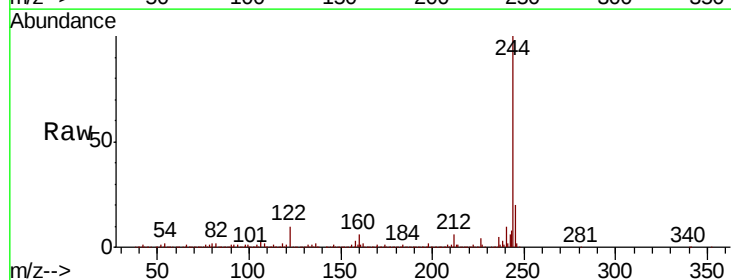
Instrument :
BNA_F
ClientSampleId :

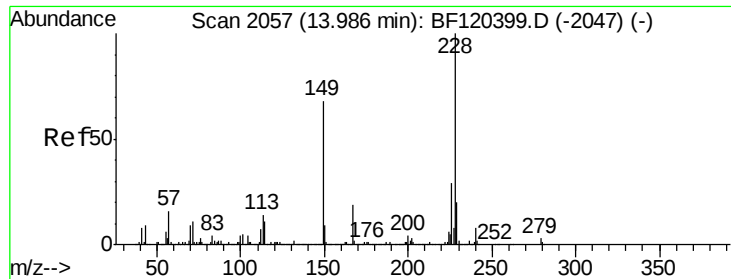
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.9	17.0	25.6
203	18.1	14.6	22.0



#79
Terphenyl-d14
Concen: 60.603 ng
RT: 12.96 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.6	8.7	13.1

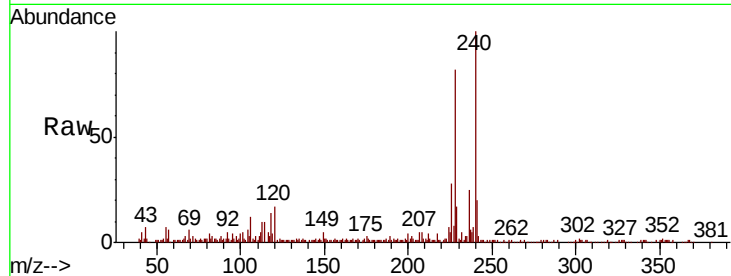




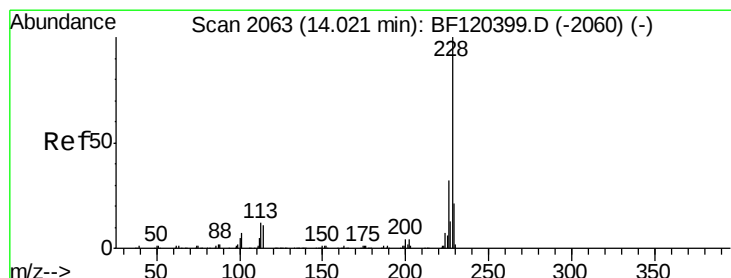
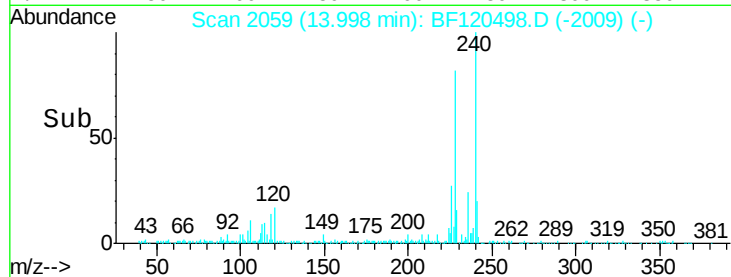
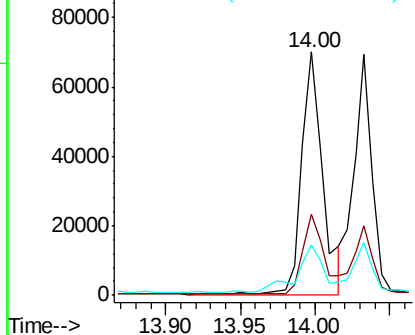
#81
Benzo(a)anthracene
Concen: 3.231 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 70087
Ion Ratio Lower Upper
228 100
226 33.4 22.9 34.3
229 20.6 16.3 24.5

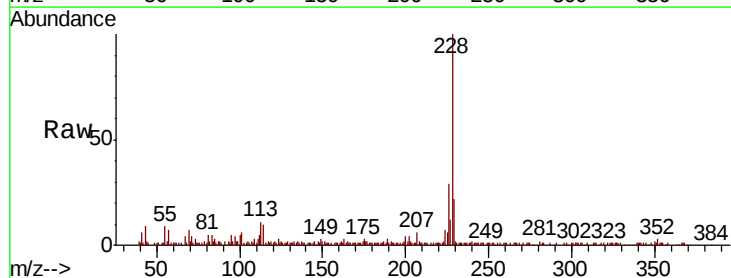


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

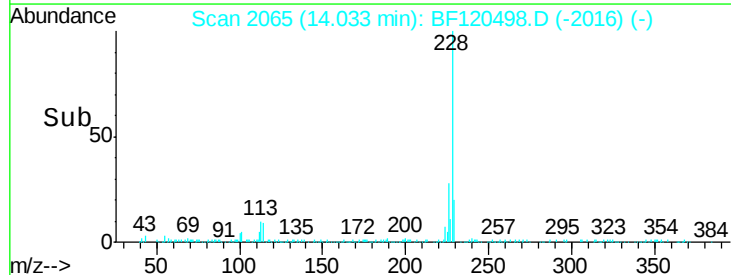
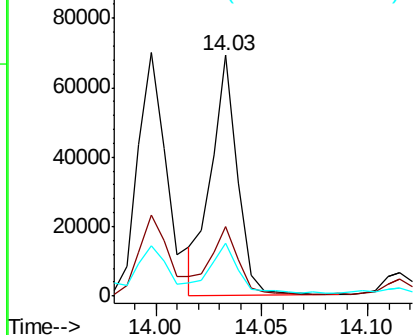


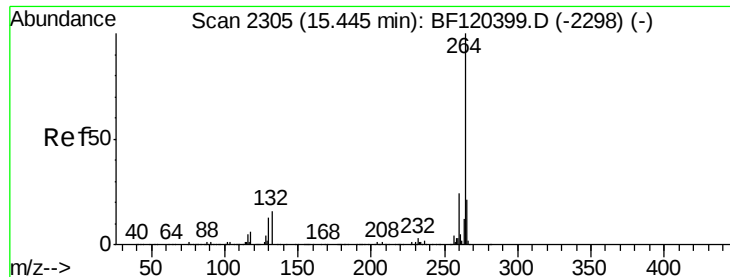
#83
Chrysene
Concen: 2.637 ng
RT: 14.03 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Tgt Ion:228 Resp: 59965
Ion Ratio Lower Upper
228 100
226 28.7 25.7 38.5
229 21.8 16.4 24.6



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

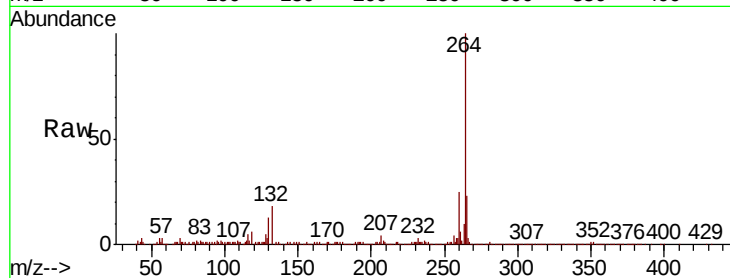




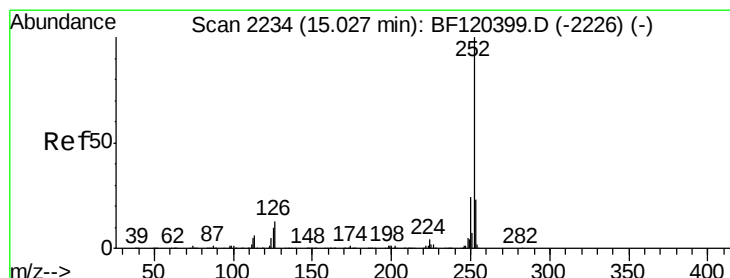
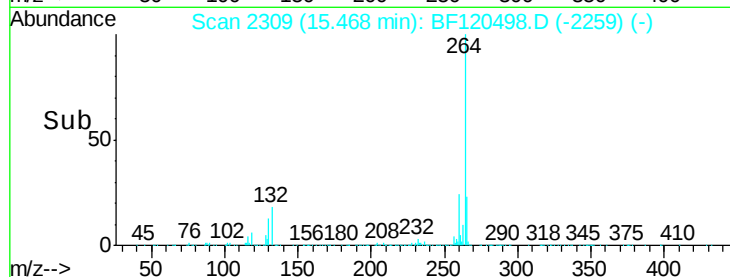
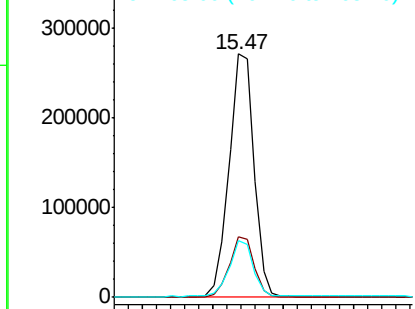
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 332891
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 23.1 17.6 26.4

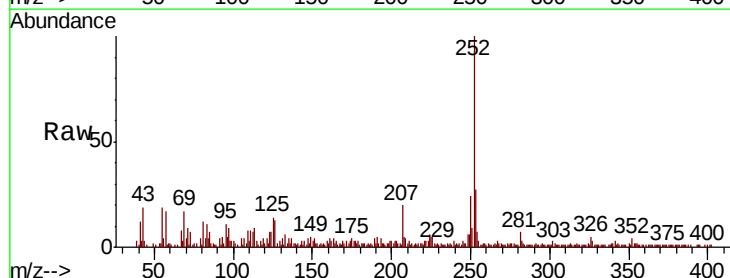


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

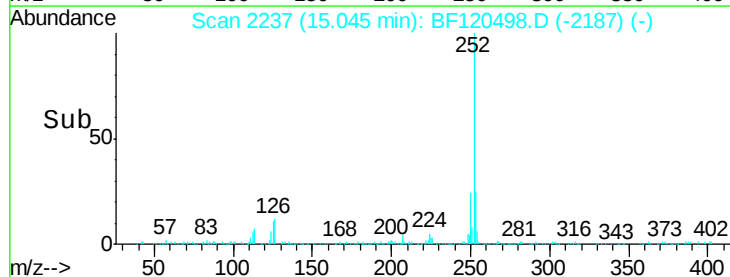
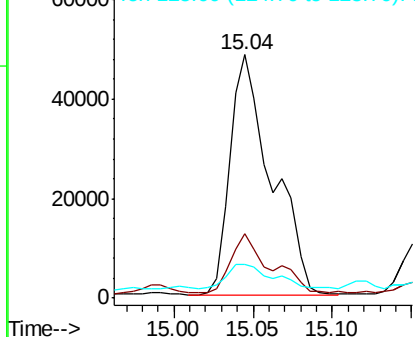


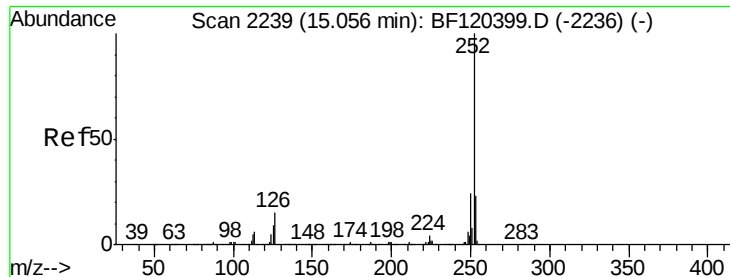
#88
Benzo(b)fluoranthene
Concen: 4.809 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Tgt Ion:252 Resp: 88924
Ion Ratio Lower Upper
252 100
253 26.5 18.2 27.2
125 13.9 8.2 12.4#



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

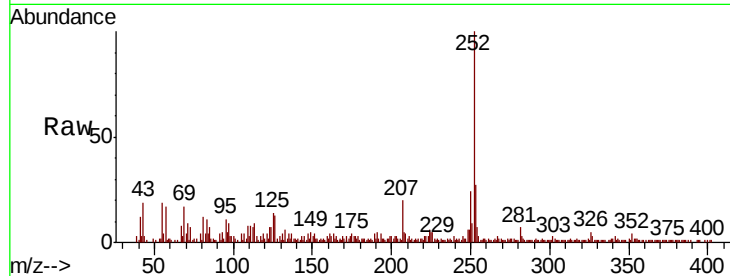




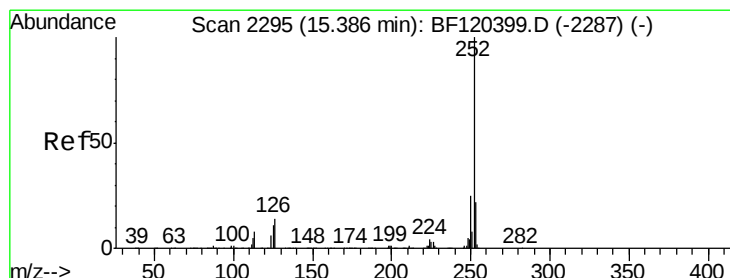
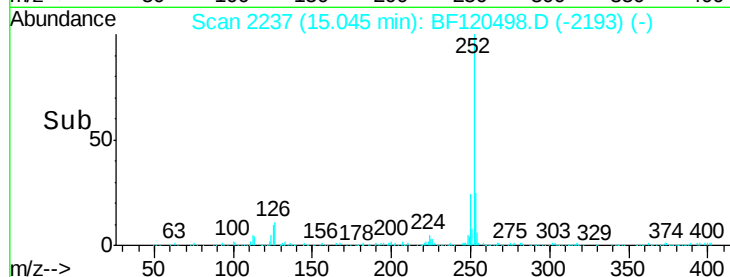
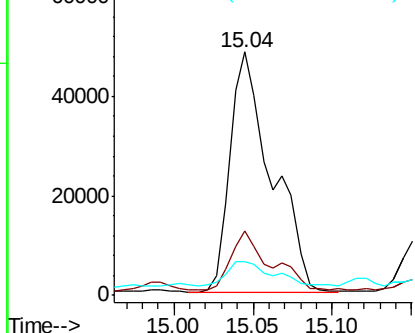
#89
Benzo(k)fluoranthene
Concen: 5.152 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 88924
Ion Ratio Lower Upper
252 100
253 26.5 17.8 26.6
125 13.9 7.1 10.7#

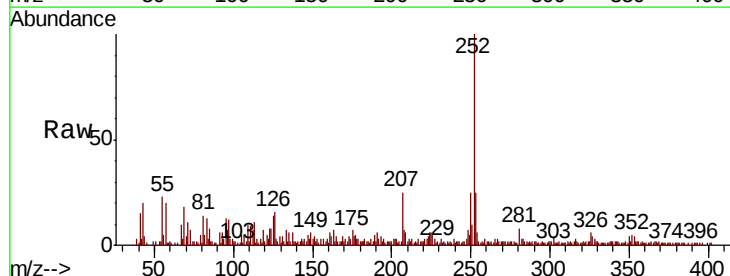


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.903 ng
RT: 15.40 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BF120498.D
Acq: 2 Jun 2020 16:45

Tgt Ion:252 Resp: 46958
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 14.3 9.0 13.4#



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

