

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
 Data File : BF120247.D
 Acq On : 30 Apr 2020 18:50
 Operator : MA/SJ
 Sample : L2441-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 00:43:19 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	102964	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	389931	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	200290	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	381666	20.00	ng	0.00
76) Chrysene-d12	13.82	240	338322	20.00	ng	-0.01
87) Perylene-d12	15.22	264	339065	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	171462	28.78	ng	0.00
7) Phenol-d6	6.30	99	535800	69.79	ng	-0.01
23) Nitrobenzene-d5	7.22	82	471561	62.56	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	5815	2.37	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	948666	67.25	ng	0.00
79) Terphenyl-d14	12.77	244	1137683	56.58	ng	0.00

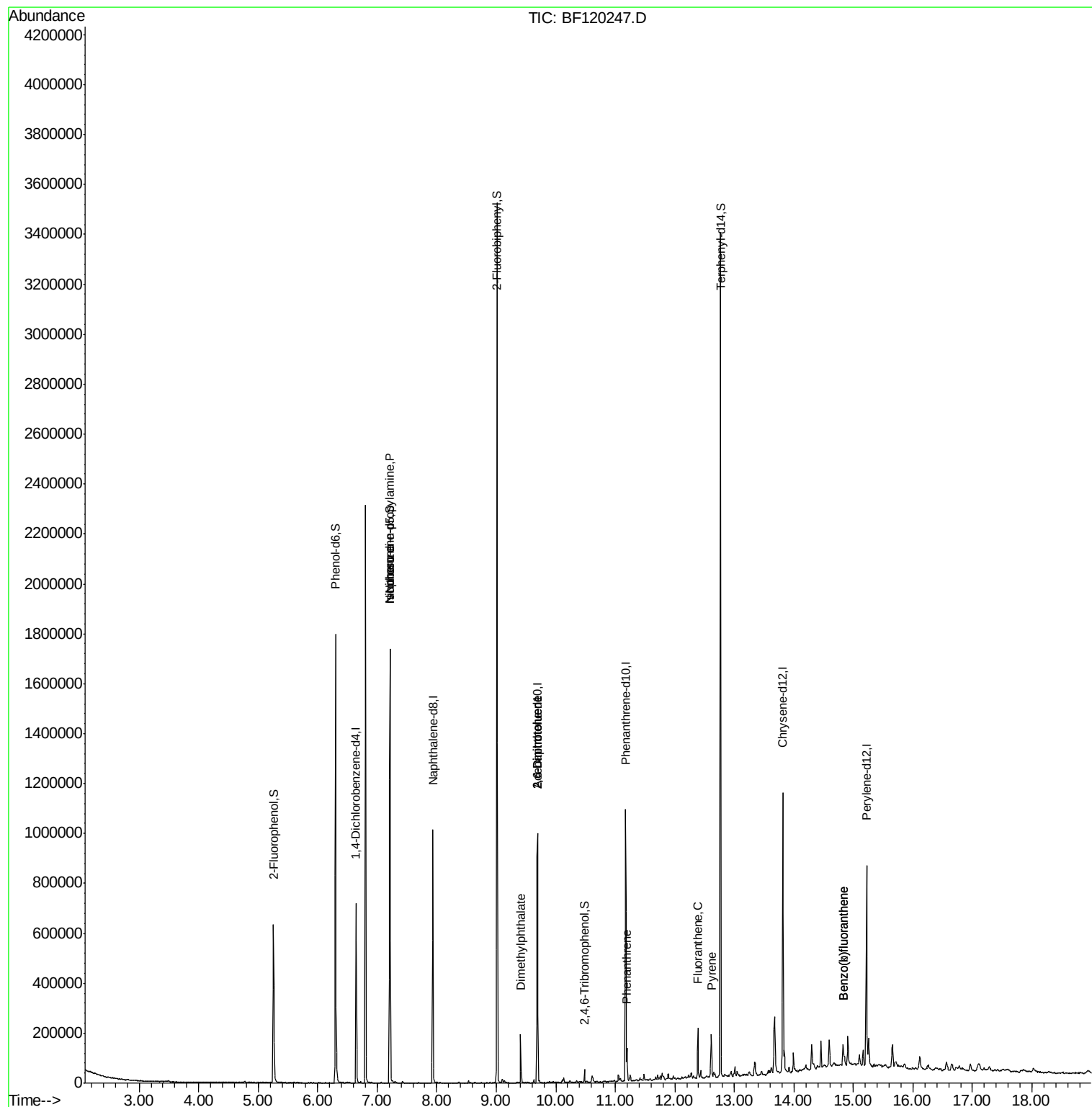
Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	714	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	60700	12.296	ng	# 76
25) Isophorone	7.22	82	471558	32.455	ng	# 65
50) Dimethylphthalate	9.42	163	79211	5.113	ng	98
51) 2,6-Dinitrotoluene	9.69	165	24988	7.366	ng	# 25
57) 2,4-Dinitrotoluene	9.69	165	24988	5.591	ng	# 19
71) Phenanthrene	11.20	178	41767	2.056	ng	96
75) Fluoranthene	12.39	202	76014	3.468	ng	94
78) Pyrene	12.62	202	68897	2.416	ng	97
88) Benzo(b)fluoranthene	14.83	252	53329	2.186	ng	97
89) Benzo(k)fluoranthene	14.83	252	53329	2.534	ng	98

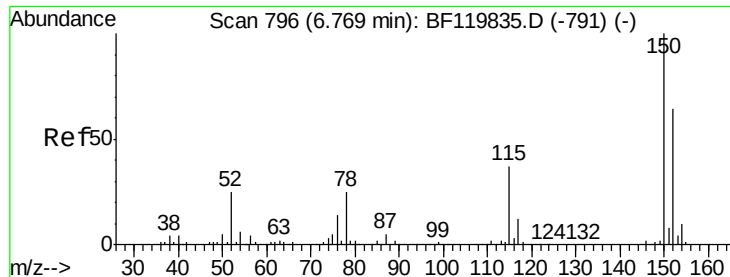
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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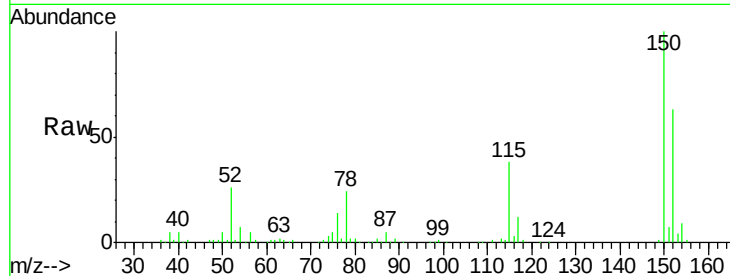


#1

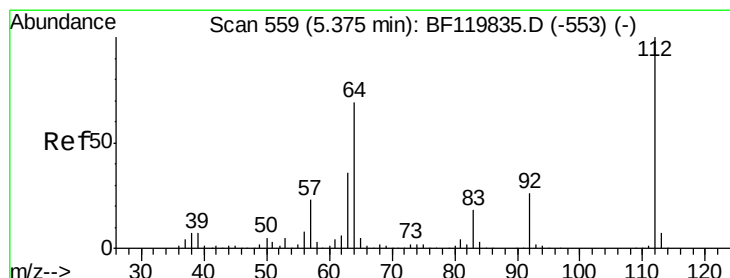
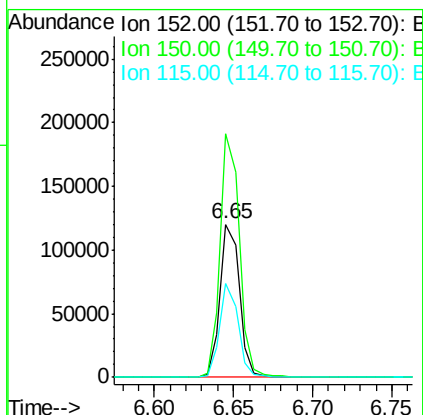
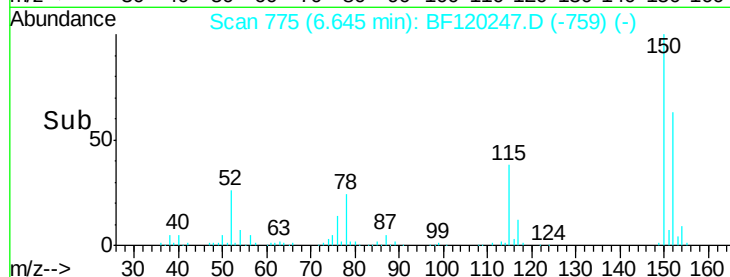
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 102964
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 61.2 49.6 74.4



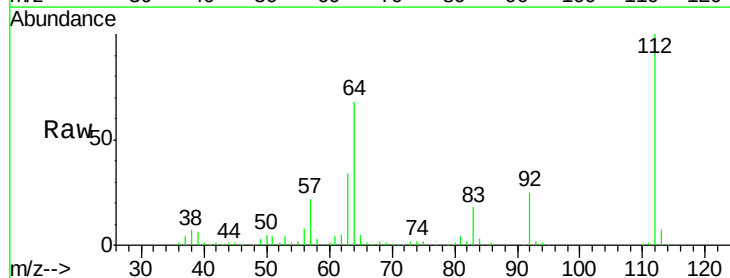
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



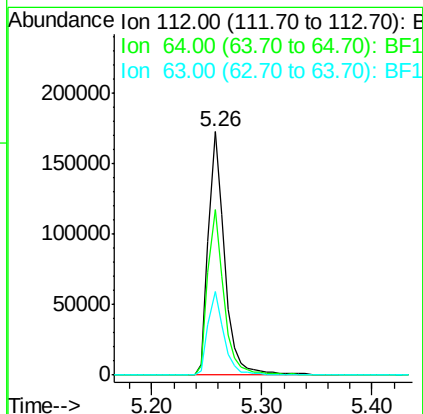
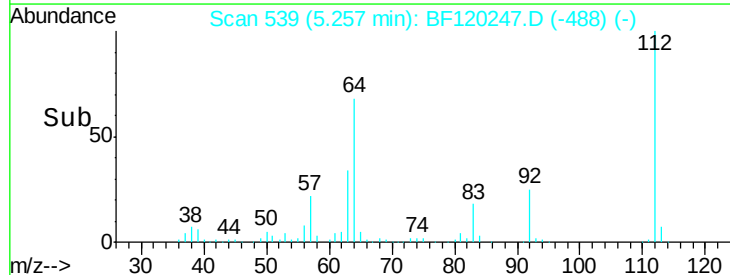
#5

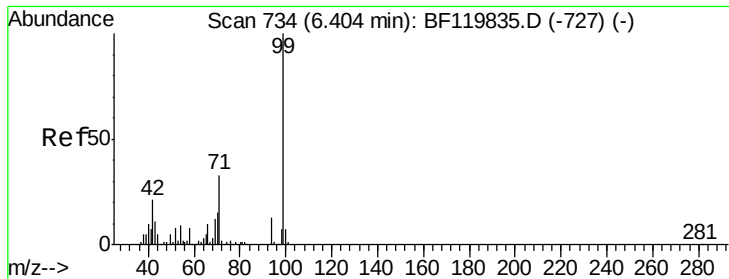
2-Fluorophenol
Concen: 28.779 ng
RT: 5.26 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

Tgt Ion:112 Resp: 171462
Ion Ratio Lower Upper
112 100
64 67.9 56.7 85.1
63 34.4 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: 69.792 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

Instrument :

BNA_F

ClientSampleId :

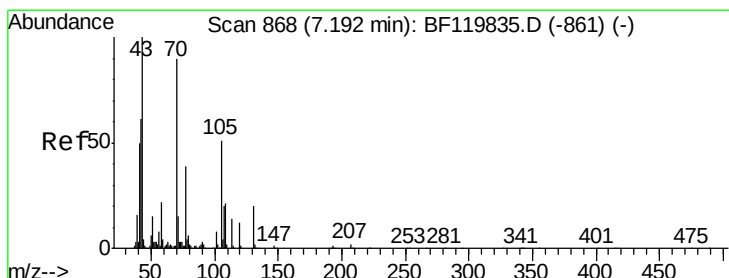
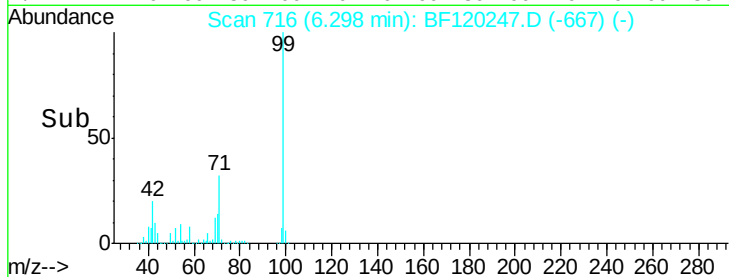
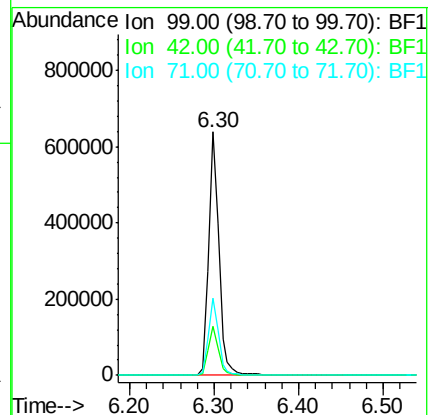
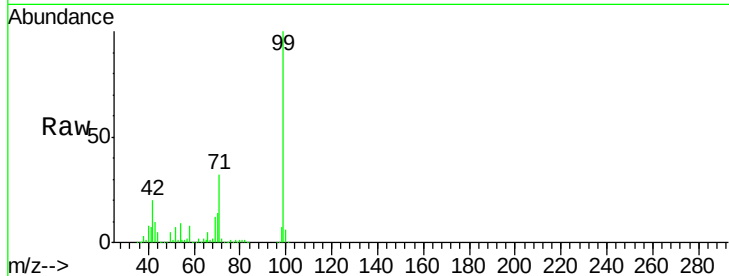
Tot Ion: 99 Resp: 535800

Ion Ratio Lower Upper

99 100

42 19.9 16.6 24.8

71 31.9 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.296 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

Tgt Ion: 70 Resp: 60700

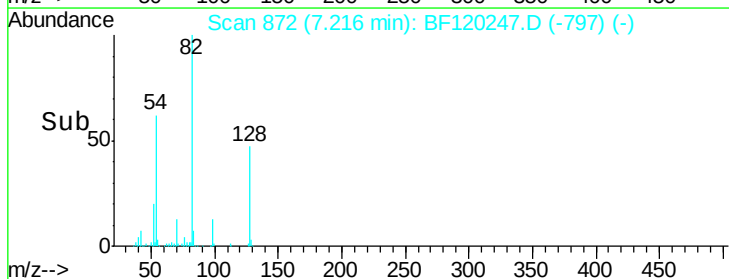
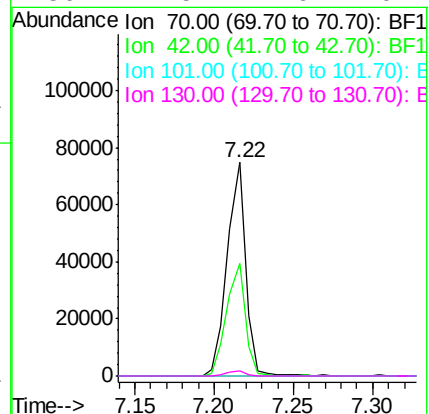
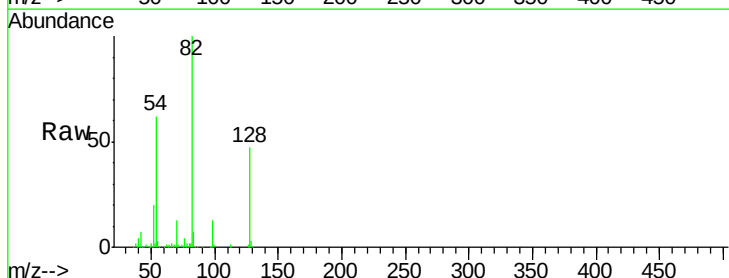
Ion Ratio Lower Upper

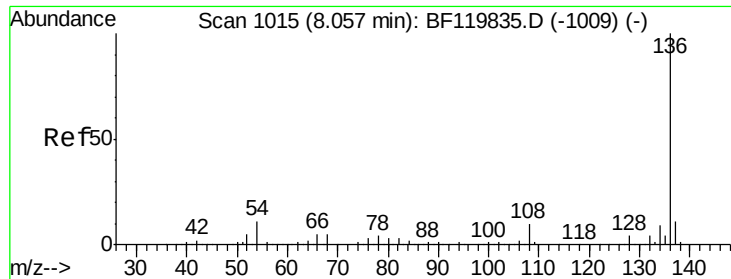
70 100

42 53.0 54.5 81.7#

101 0.0 7.6 11.4#

130 2.5 17.6 26.4#

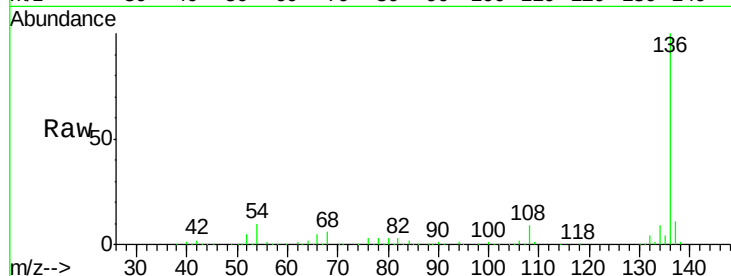




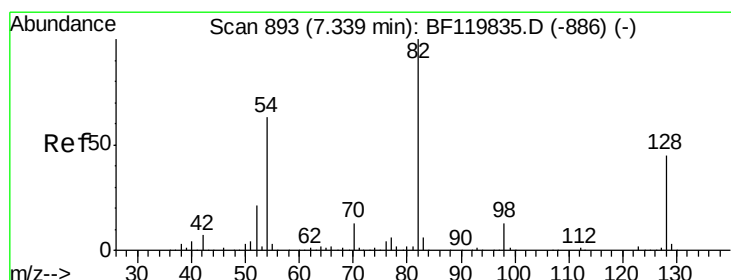
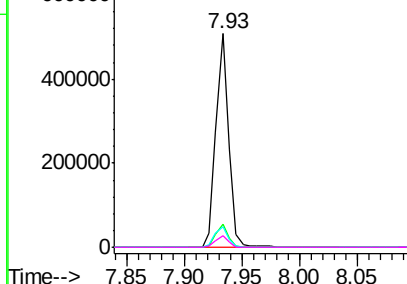
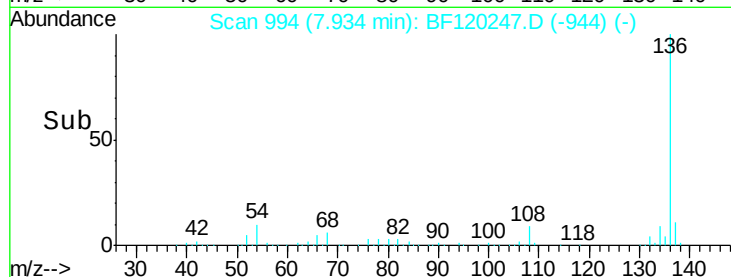
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	389931	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.7	13.1	
54 9.8	9.1	13.7	
68 5.5	4.6	6.8	

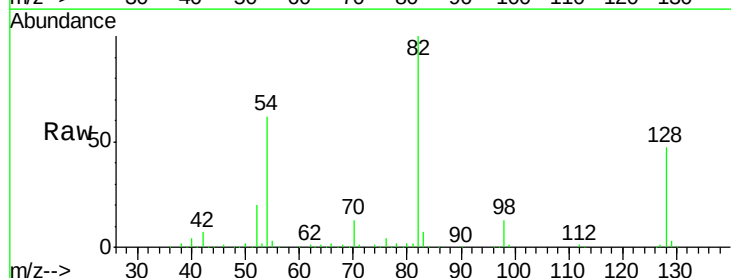


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

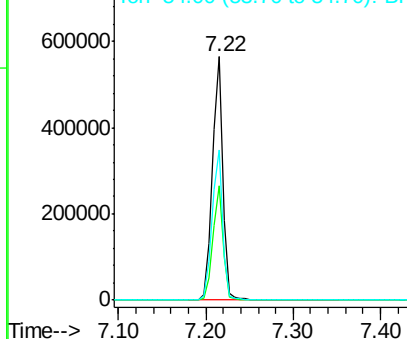
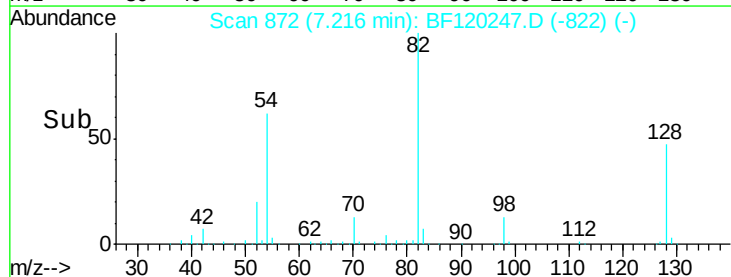


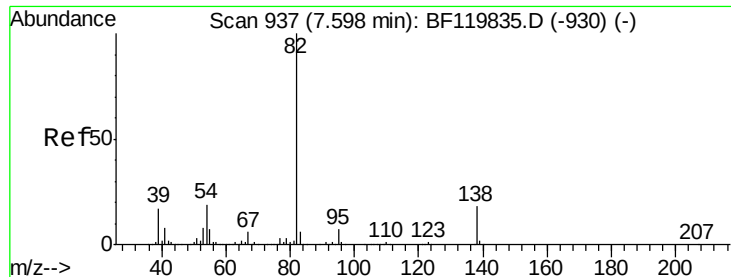
#23
Nitrobenzene-d5
Concen: 62.564 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

Tgt	Ion: 82	Resp:	471561
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.3	54.5
54	61.7	50.6	75.8



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: 32.455 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

Instrument :

BNA_F

ClientSampleId :

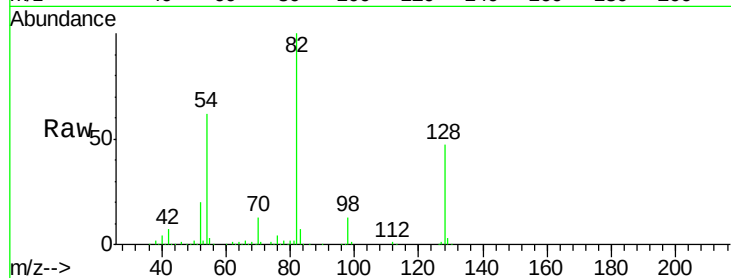
Tot Ion: 82 Resp: 471558

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

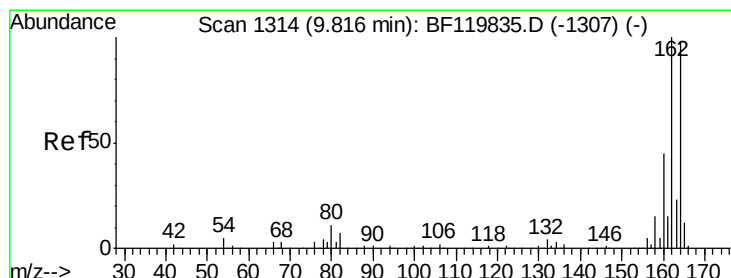
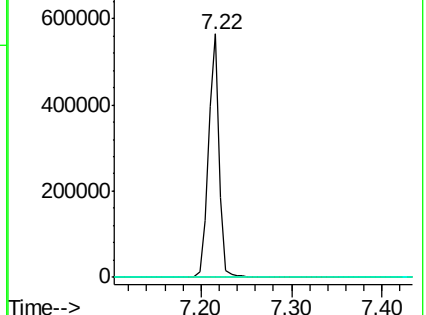
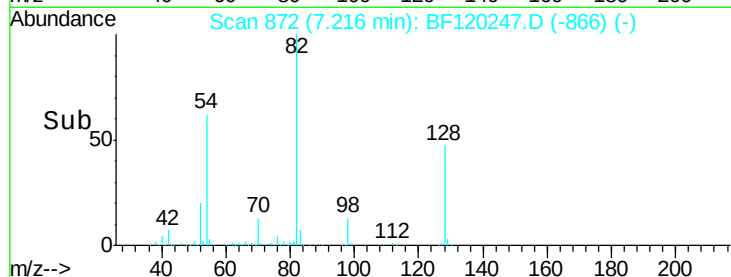
138 0.0 14.6 21.8#



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: BF120247.D

Acq: 30 Apr 2020 18:50

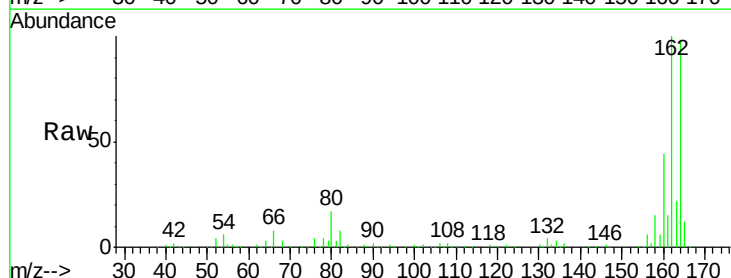
Tgt Ion: 164 Resp: 200290

Ion Ratio Lower Upper

164 100

162 102.3 80.6 121.0

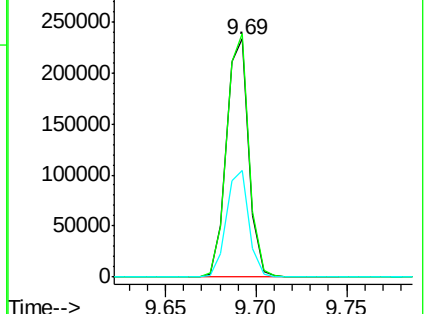
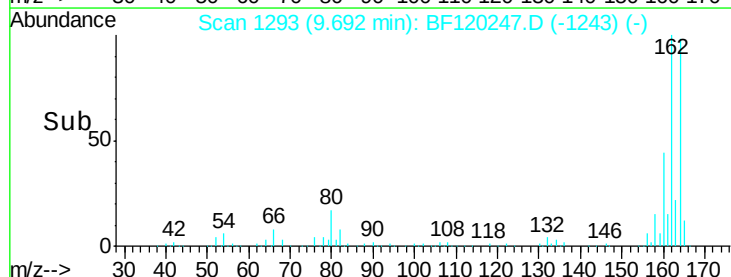
160 44.8 35.7 53.5

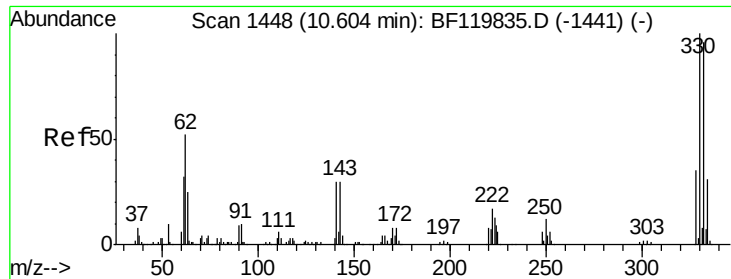


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

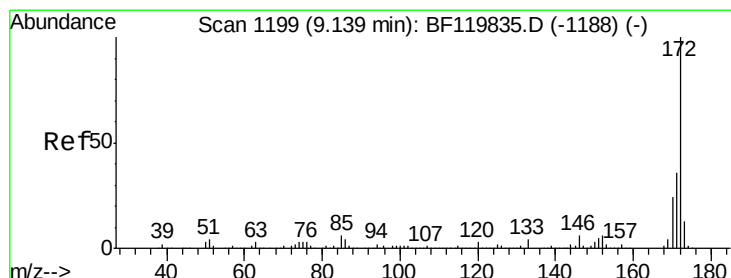
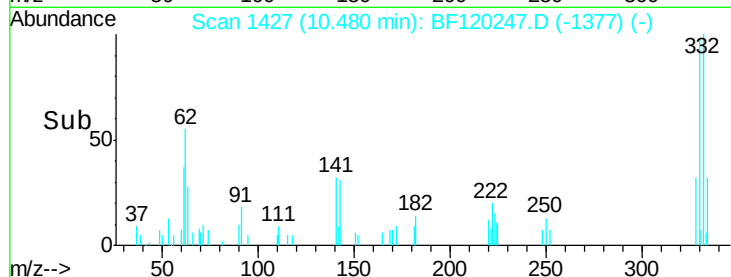
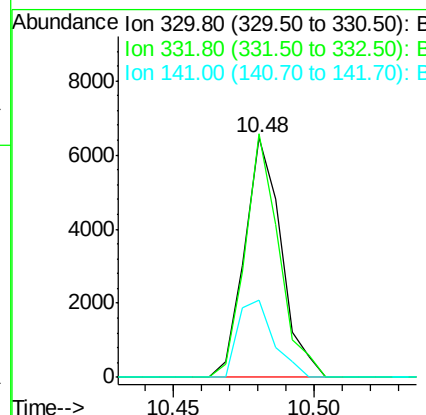
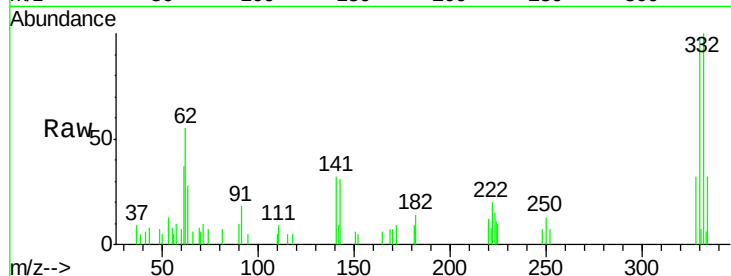




#42
 2,4,6-Tribromophenol
 Concen: 2.371 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120247.D
 Acq: 30 Apr 2020 18:50

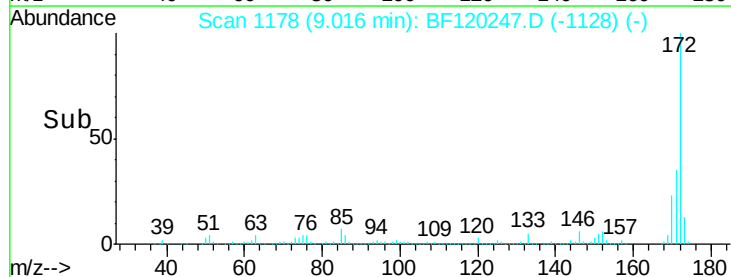
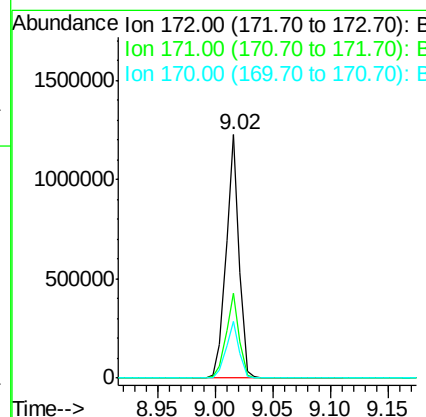
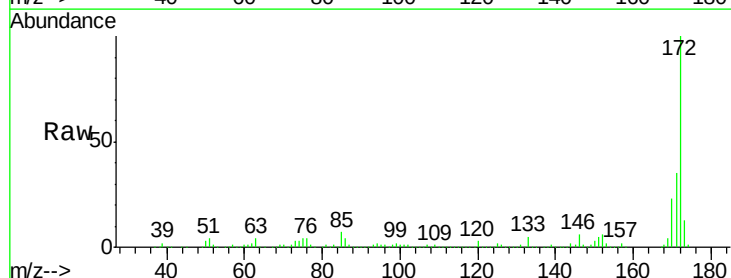
Instrument :
 BNA_F
 ClientSampleId :

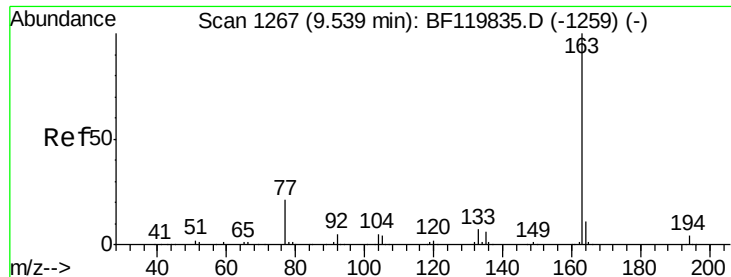
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	75.7	113.5
141	31.6	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 67.247 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120247.D
 Acq: 30 Apr 2020 18:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.1	20.2	30.2





#50

Dimethylphthalate

Concen: 5.113 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.01 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

Instrument :

BNA_F

ClientSampleId :

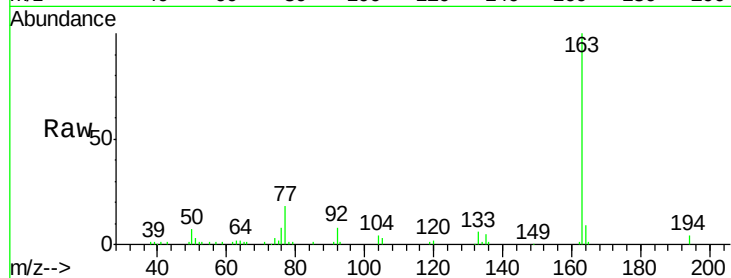
Tot Ion:163 Resp: 79211

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

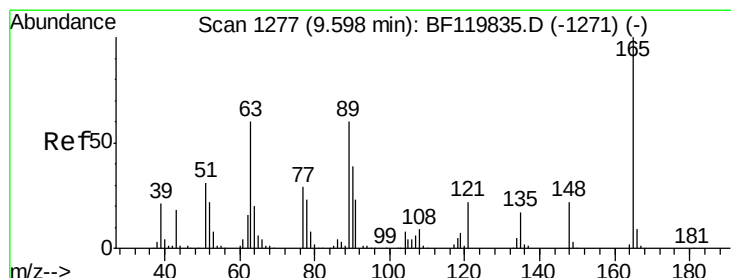
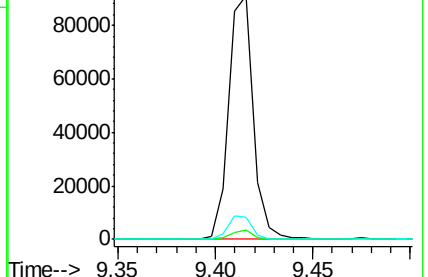
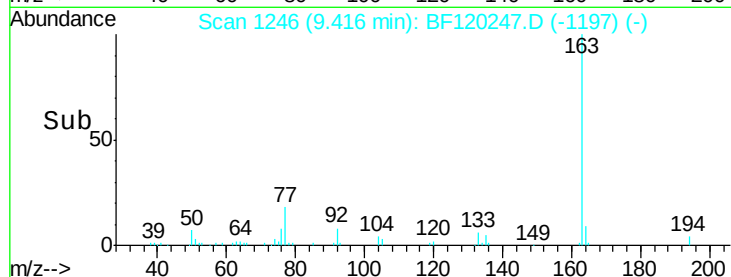
164 9.1 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 7.366 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.20 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

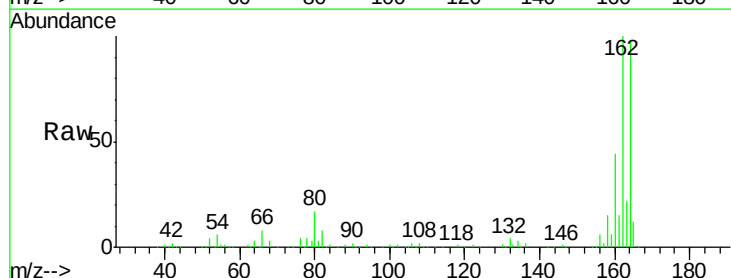
Tgt Ion:165 Resp: 24988

Ion Ratio Lower Upper

165 100

63 1.2 45.0 67.4#

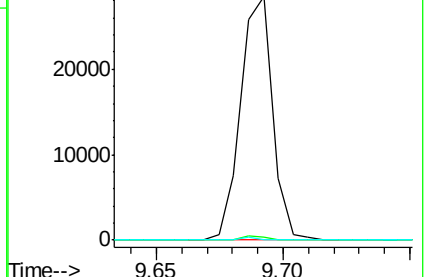
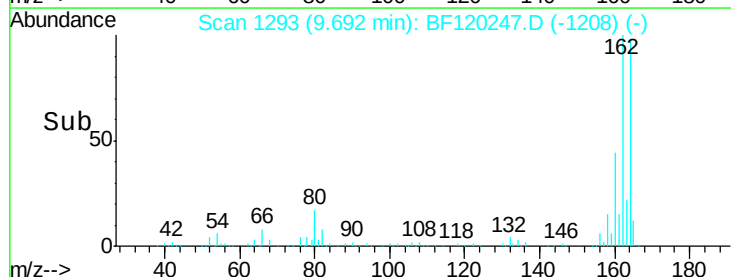
89 0.0 41.5 62.3#

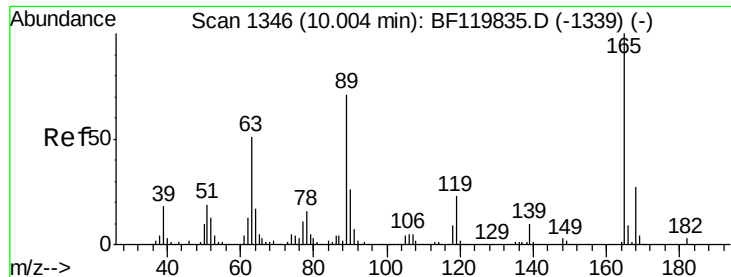


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.591 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.21 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 24988

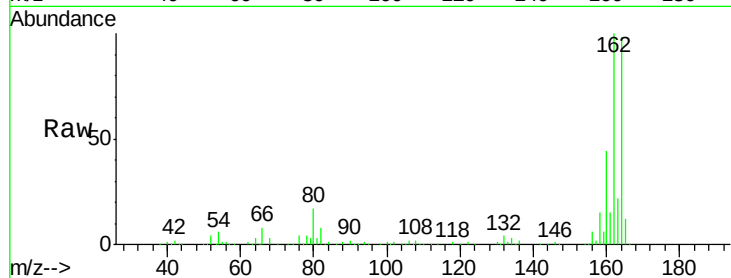
Ion Ratio Lower Upper

165 100

63 1.2 42.6 64.0#

89 0.0 61.0 91.4#

182 0.0 2.2 3.2#

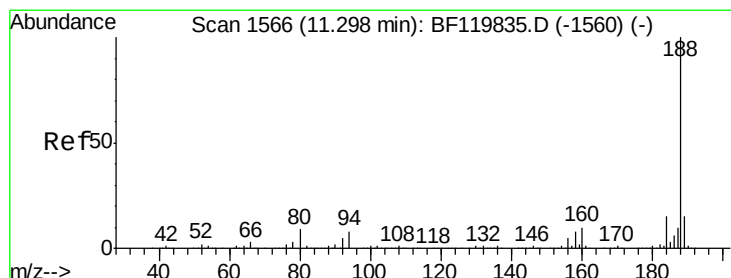
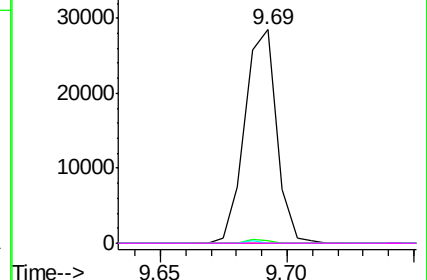
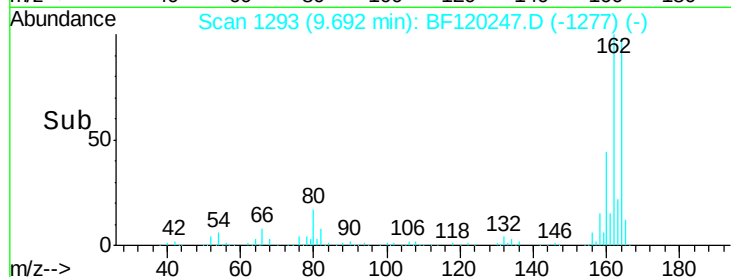


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120247.D

Acq: 30 Apr 2020 18:50

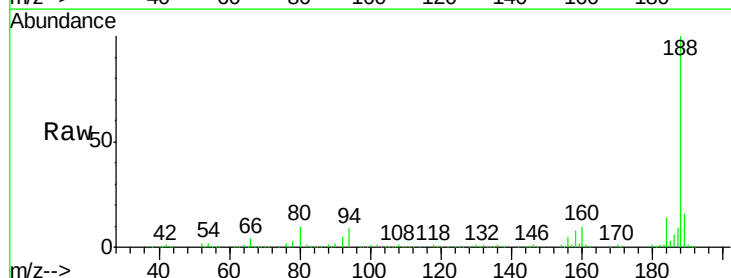
Tgt Ion:188 Resp: 381666

Ion Ratio Lower Upper

188 100

94 8.9 7.5 11.3

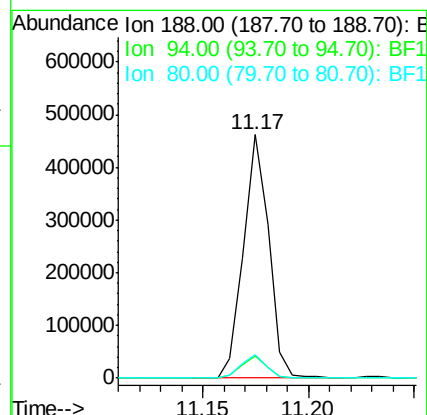
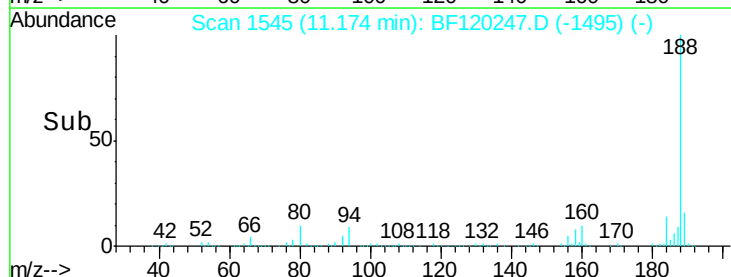
80 9.8 9.0 13.4

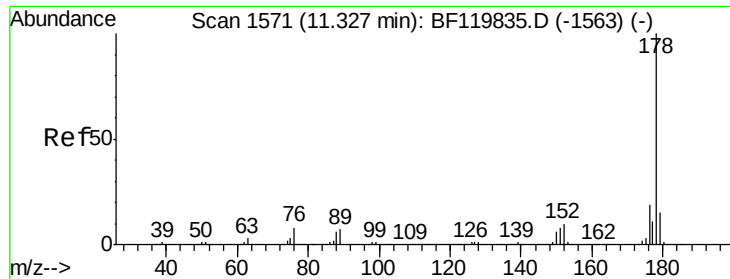


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.056 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

Instrument :

BNA_F

ClientSampleId :

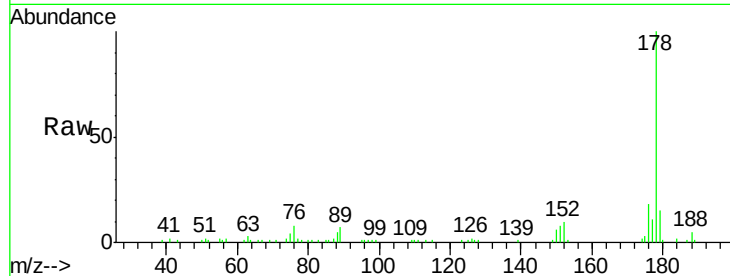
Tot Ion:178 Resp: 41767

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.4

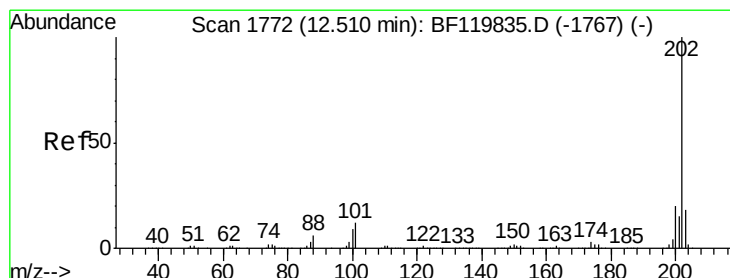
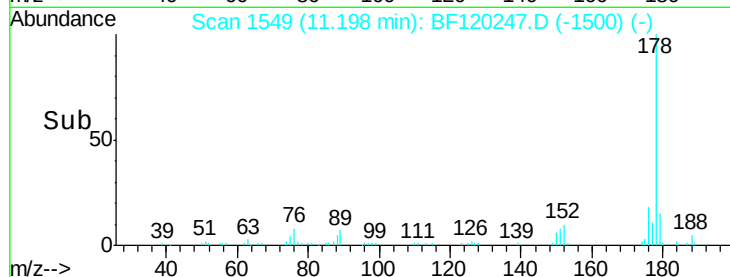
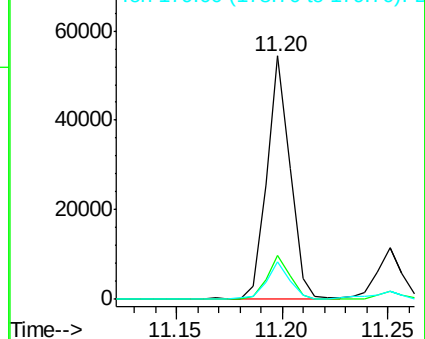
179 15.2 13.2 19.8



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: 3.468 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

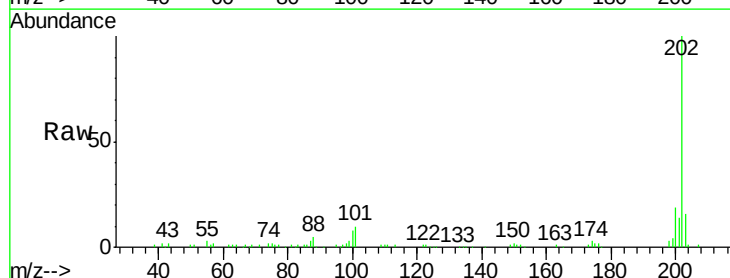
Tgt Ion:202 Resp: 76014

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.2

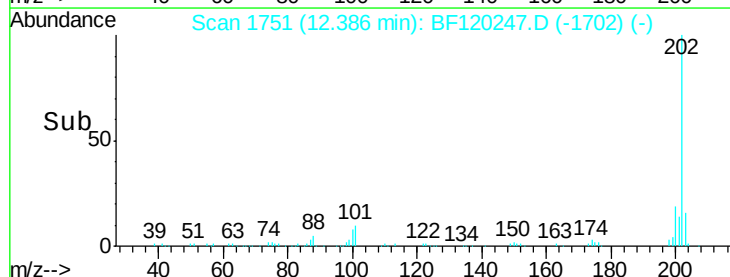
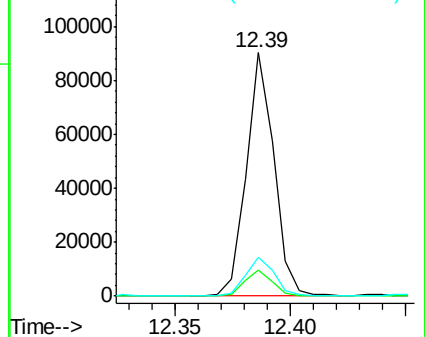
203 15.9 0.0 38.8

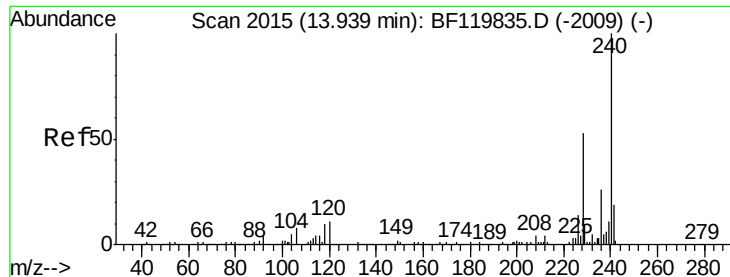


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

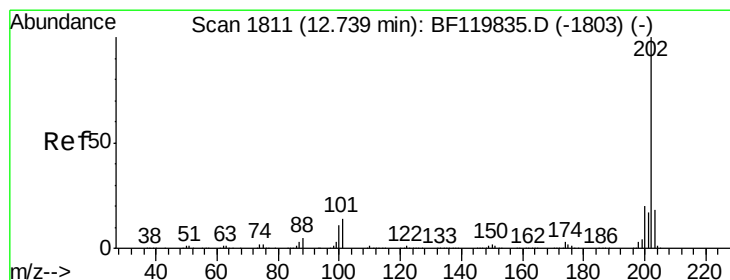
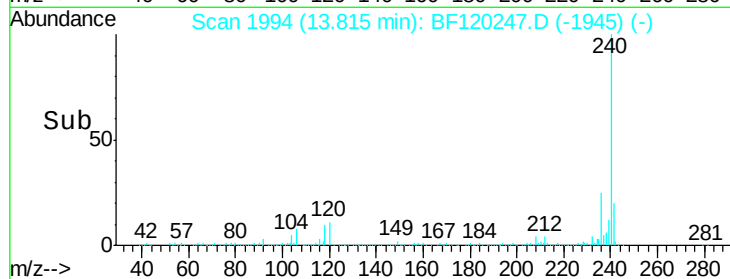
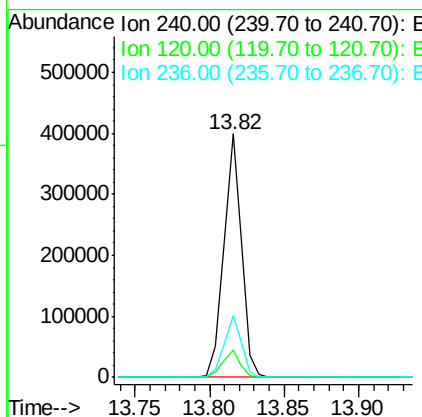
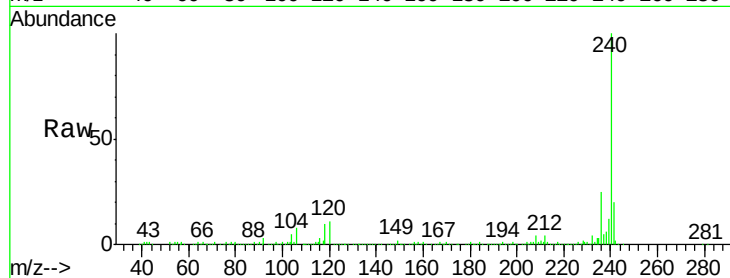




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

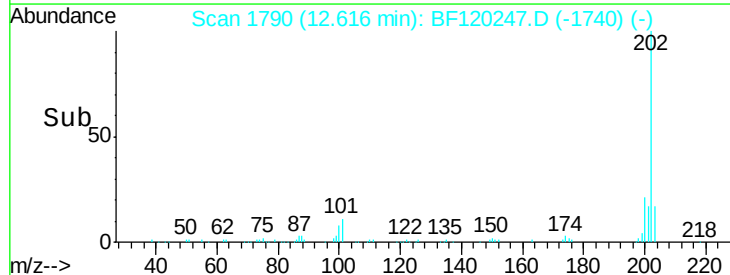
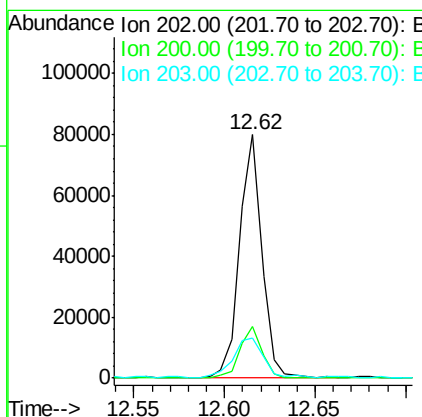
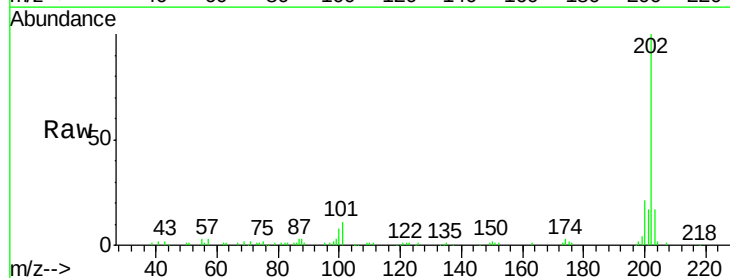
Instrument :
BNA_F
ClientSampled :

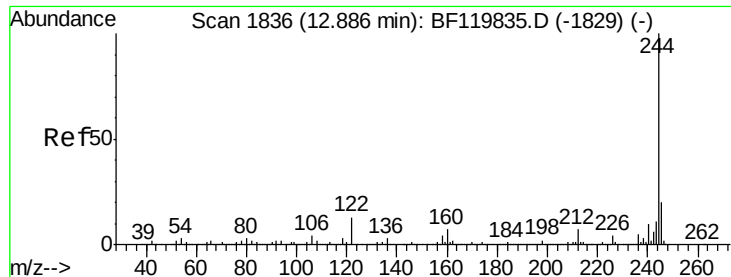
Tot Ion:240 Resp: 338322
Ion Ratio Lower Upper
240 100
120 11.0 10.6 15.8
236 25.2 20.2 30.2



#78
Pyrene
Concen: 2.416 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

Tgt Ion:202 Resp: 68897
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 16.7 15.1 22.7





#79

Terphenyl-d14

Concen: 56.583 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

Instrument :

BNA_F

ClientSampleId :

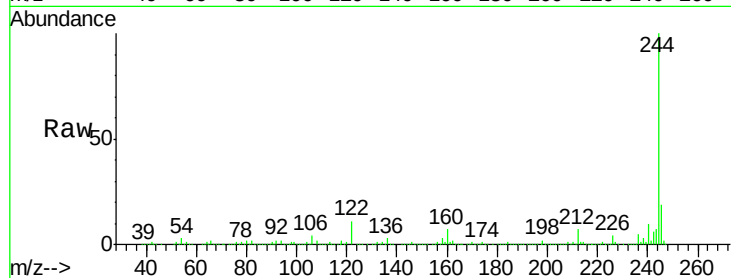
Tot Ion:244 Resp: 1137683

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

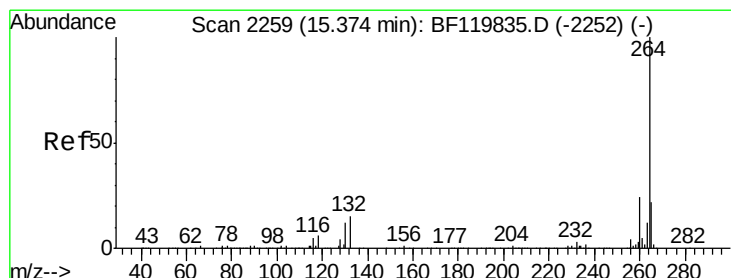
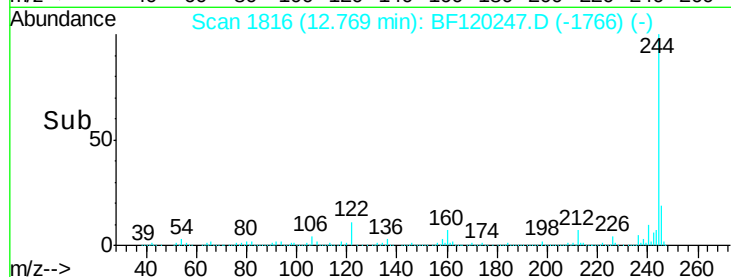
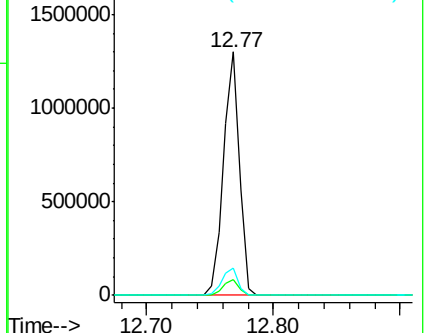
122 11.4 10.3 15.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF120247.D

Acq: 30 Apr 2020 18:50

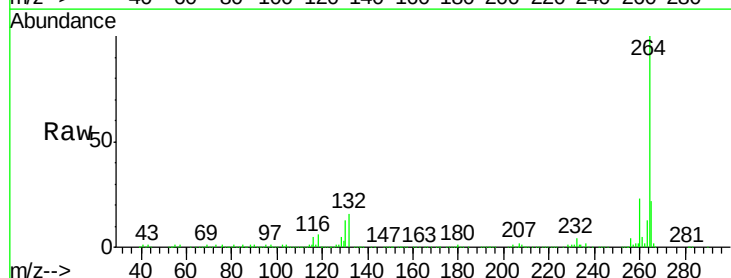
Tgt Ion:264 Resp: 339065

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

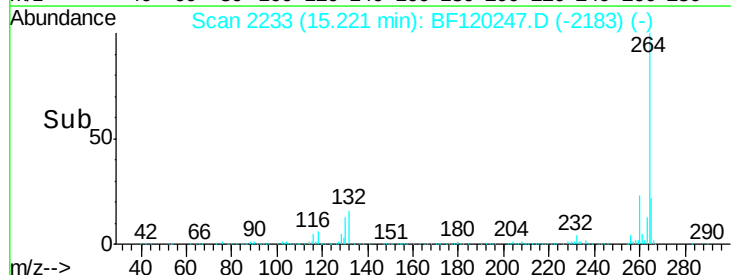
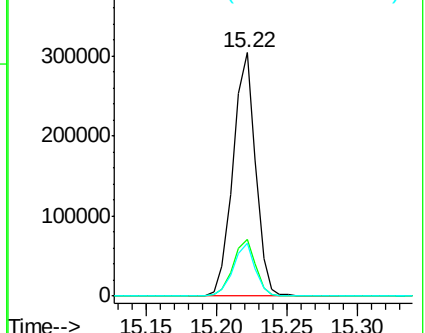
265 21.6 17.7 26.5

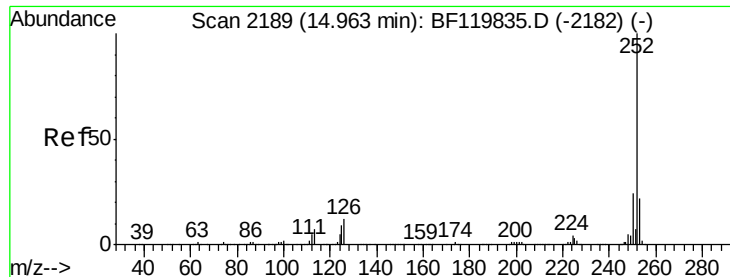


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

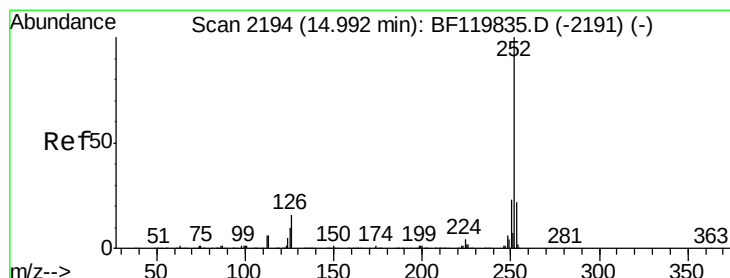
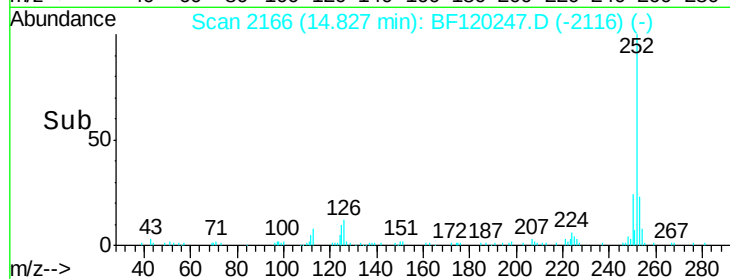
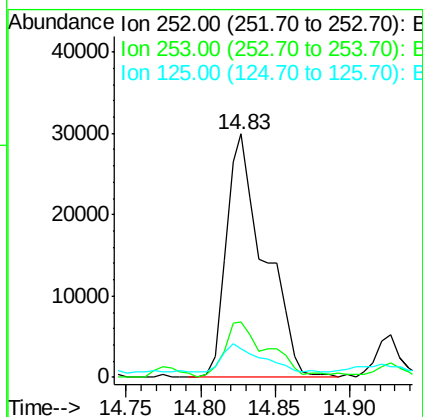
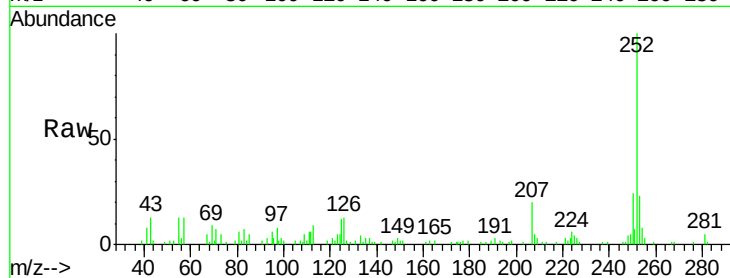




#88
Benzo(b)fluoranthene
Concen: 2.186 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 53329
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.7 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 2.534 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF120247.D
Acq: 30 Apr 2020 18:50

Tgt Ion:252 Resp: 53329
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 11.7 8.4 12.6

