

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\
 Data File : BF113803.D
 Acq On : 16 Apr 2019 19:51
 Operator : JU/SJ
 Sample : K2411-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 01:07:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

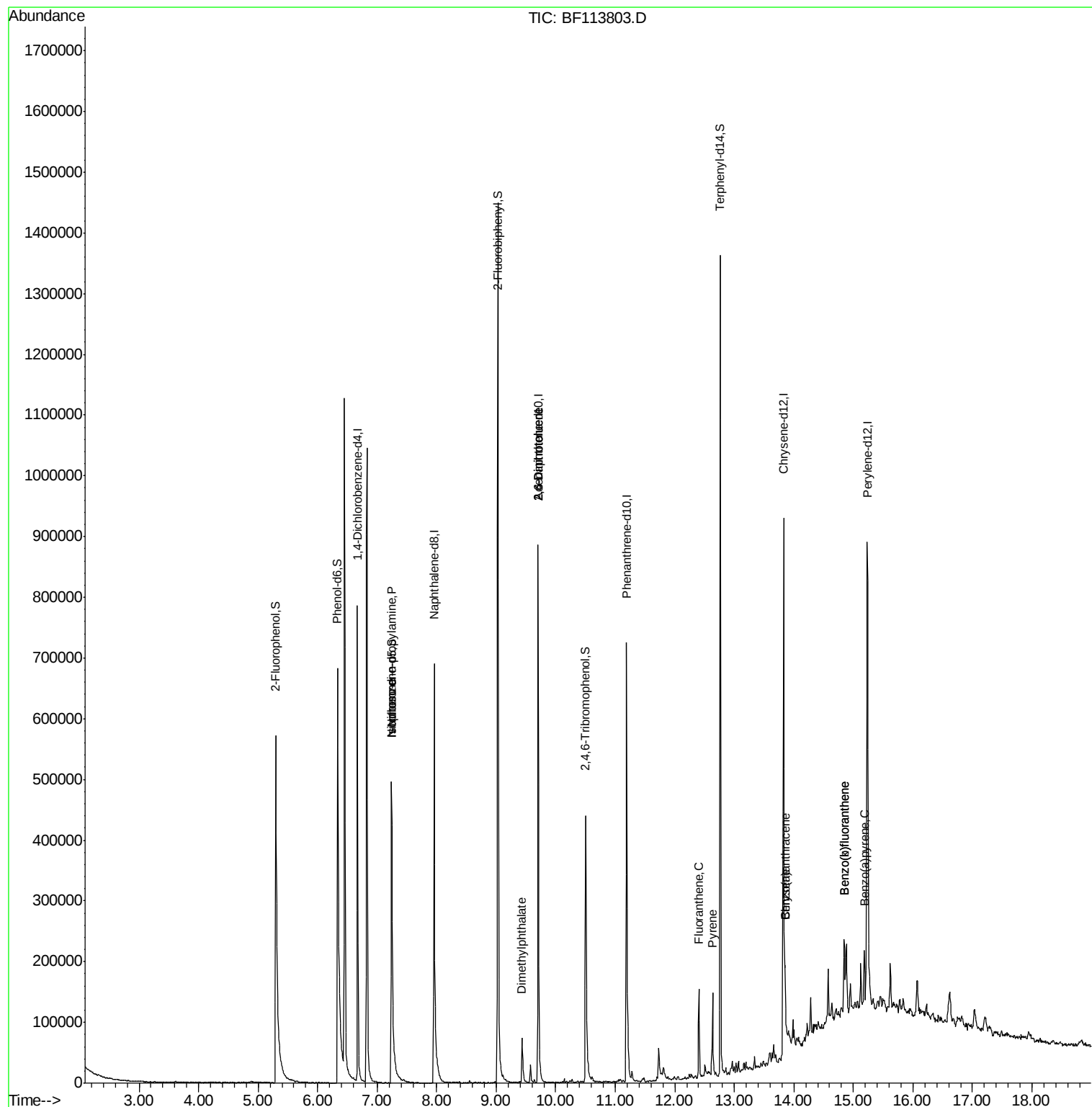
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	131756	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	490041	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	200966	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	354649	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	346482	20.00	ng	-0.02
87) Perylene-d12	15.23	264	375331	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	373518	48.34	ng	0.00
7) Phenol-d6	6.33	99	507896	53.33	ng	0.00
23) Nitrobenzene-d5	7.24	82	280465	33.52	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	99085	41.04	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	556398	44.57	ng	-0.02
79) Terphenyl-d14	12.76	244	505741	29.72	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	35105	5.978	ng	# 77
25) Isophorone	7.24	82	280462	17.403	ng	# 64
50) Dimethylphthalate	9.43	163	48784	3.293	ng	97
51) 2,6-Dinitrotoluene	9.70	165	25545	7.823	ng	# 26
57) 2,4-Dinitrotoluene	9.70	165	25545	6.468	ng	# 23
75) Fluoranthene	12.40	202	68952	3.651	ng	100
78) Pyrene	12.63	202	68201	2.587	ng	98
81) Benzo(a)anthracene	13.85	228	43474	2.175	ng	95
83) Chrysene	13.85	228	43474	2.146	ng	99
88) Benzo(b)fluoranthene	14.84	252	87225	3.797	ng	# 97
89) Benzo(k)fluoranthene	14.84	252	87225	4.230	ng	# 96
90) Benzo(a)pyrene	15.19	252	48207	2.361	ng	99

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

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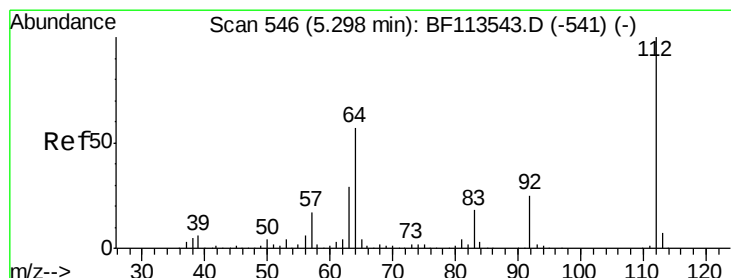
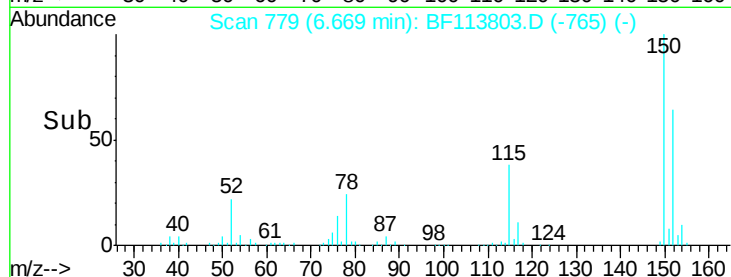
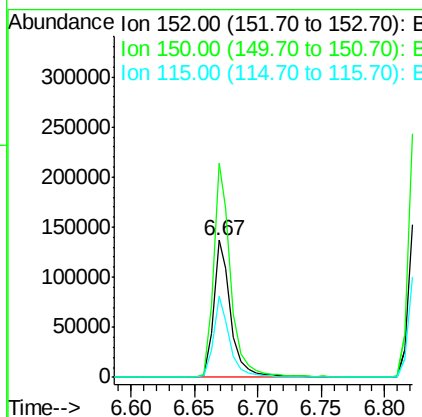
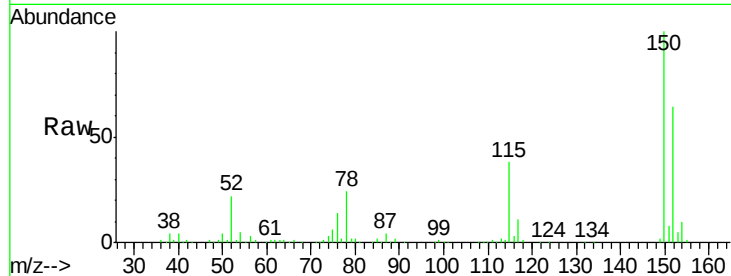


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

Instrument :
BNA_F
ClientSampleId :

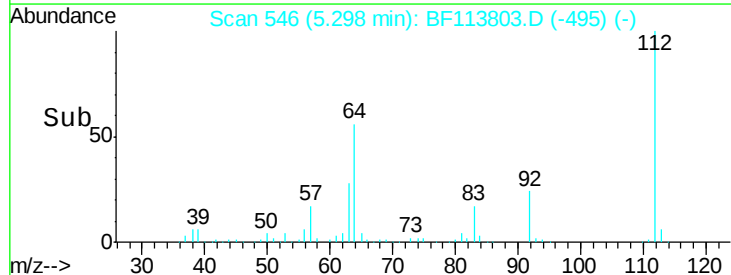
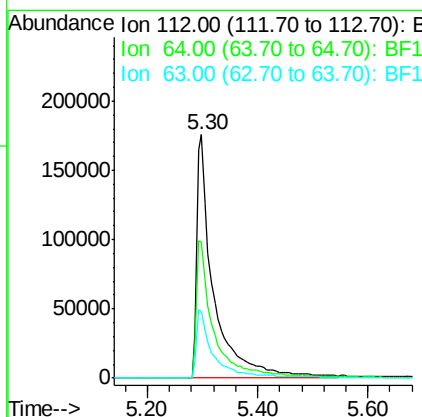
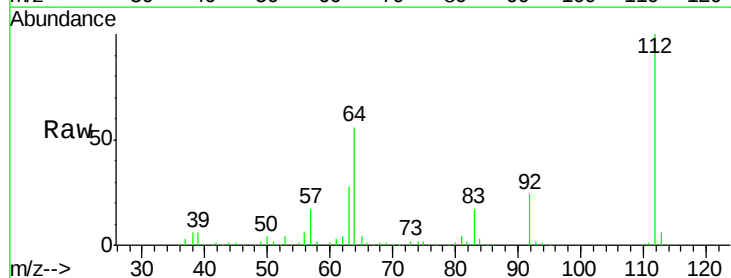
Tot Ion:152 Resp: 131756
Ion Ratio Lower Upper
152 100
150 156.4 124.7 187.1
115 59.3 46.0 69.0

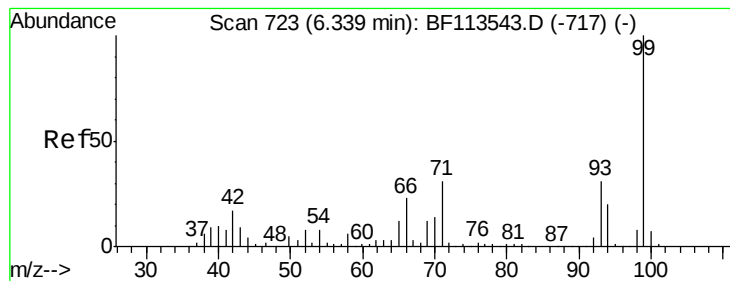


#5

2-Fluorophenol
Concen: 48.342 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

Tgt Ion:112 Resp: 373518
Ion Ratio Lower Upper
112 100
64 55.8 49.2 73.8
63 27.7 24.9 37.3





#7

Phenol-d6

Concen: 53.333 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Instrument :

BNA_F

ClientSampleId :

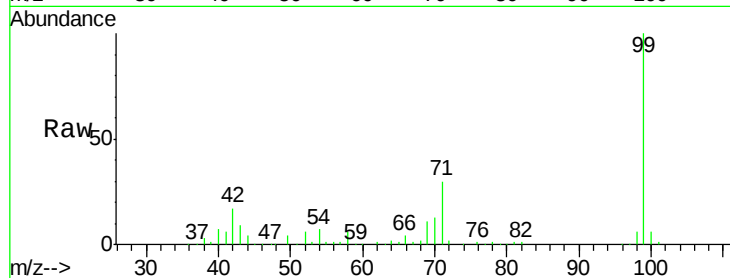
Tot Ion: 99 Resp: 507896

Ion Ratio Lower Upper

99 100

42 17.1 14.8 22.2

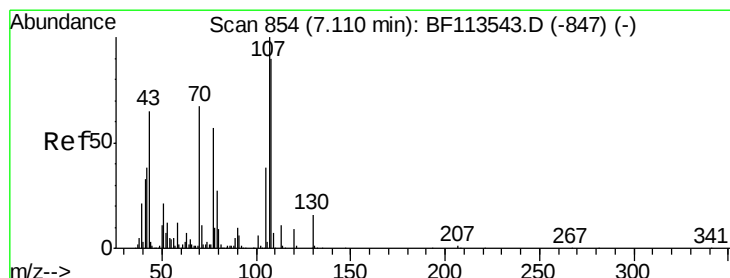
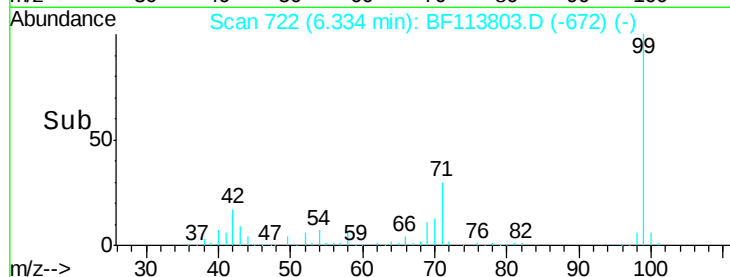
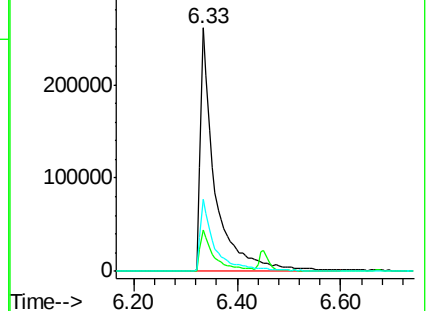
71 29.7 24.9 37.3



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: 5.978 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Tgt Ion: 70 Resp: 35105

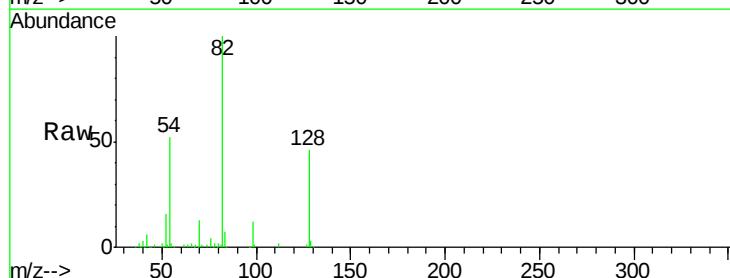
Ion Ratio Lower Upper

70 100

42 49.5 48.4 72.6

101 0.0 7.8 11.8#

130 1.7 18.2 27.4#

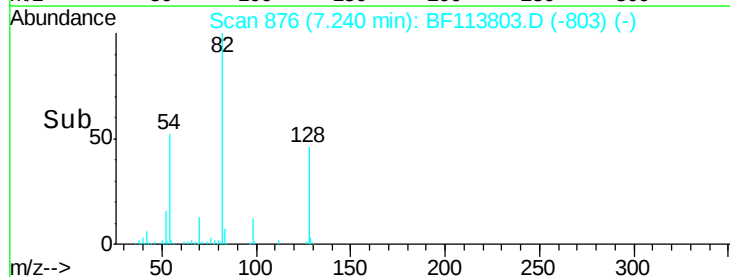
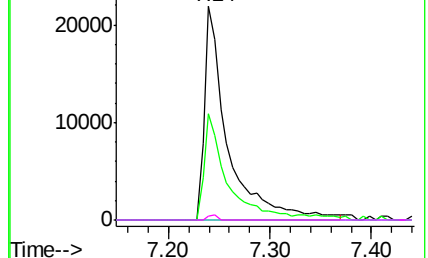


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 490041

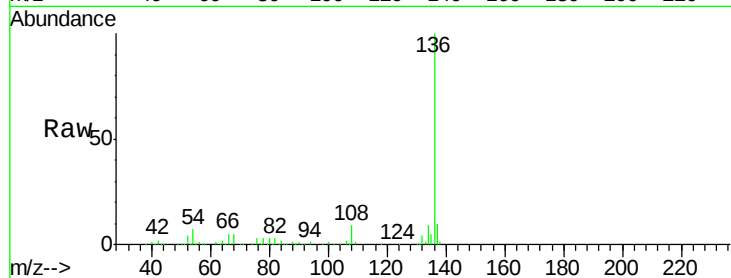
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.2 7.0 10.6

68 5.3 4.8 7.2

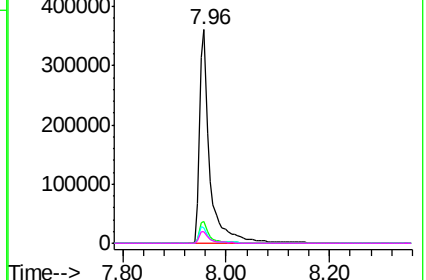
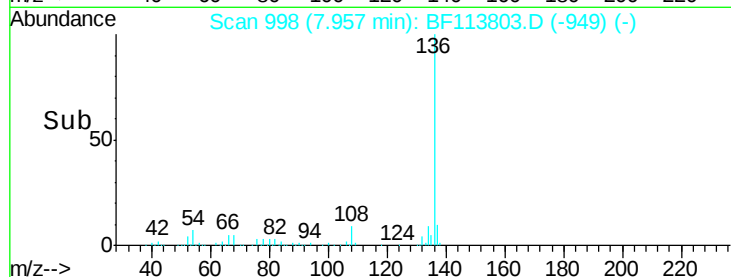


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.524 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

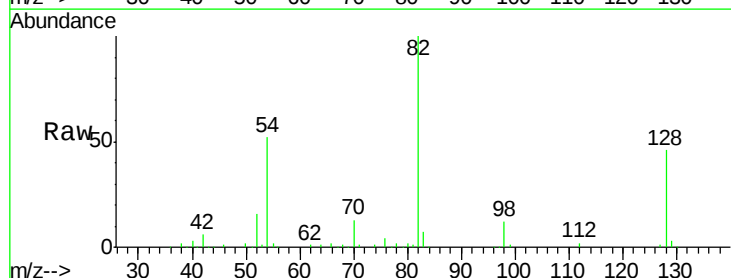
Tgt Ion: 82 Resp: 280465

Ion Ratio Lower Upper

82 100

128 45.6 36.5 54.7

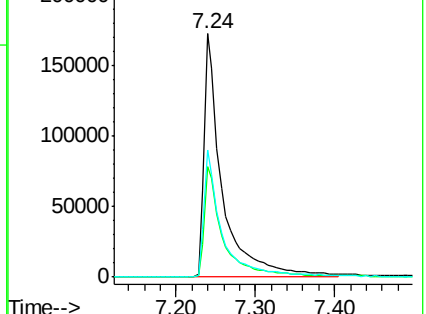
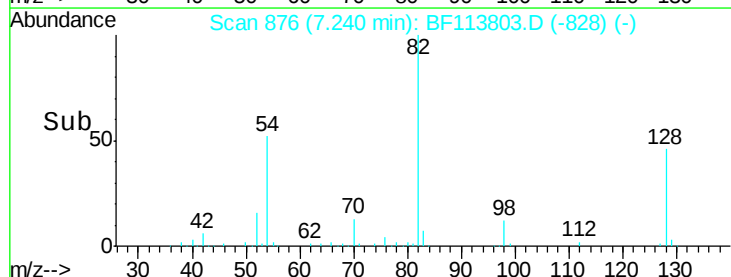
54 52.0 42.2 63.2

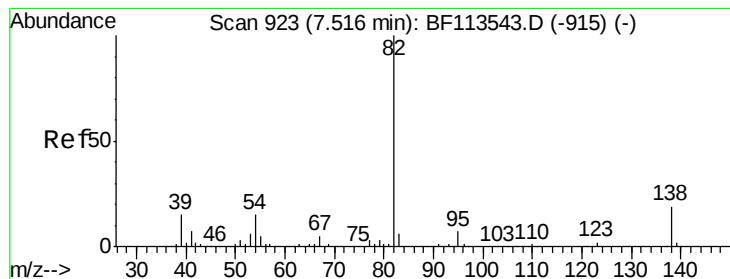


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.403 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Instrument :

BNA_F

ClientSampleId :

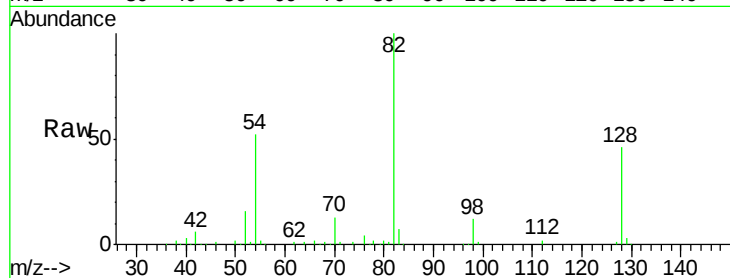
Tot Ion: 82 Resp: 280462

Ion Ratio Lower Upper

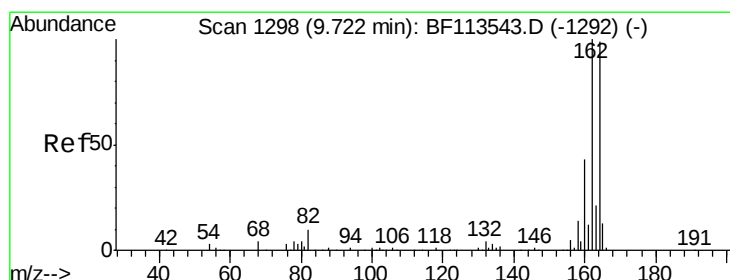
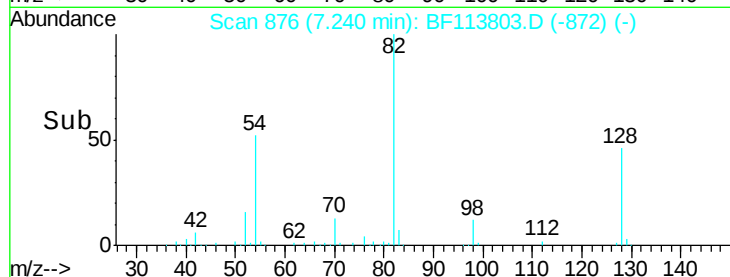
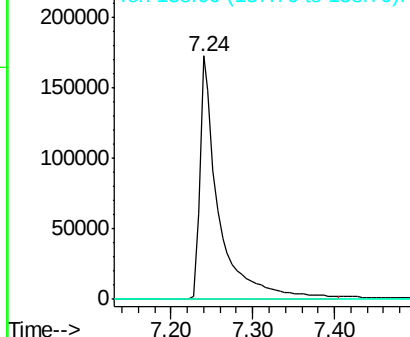
82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



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: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

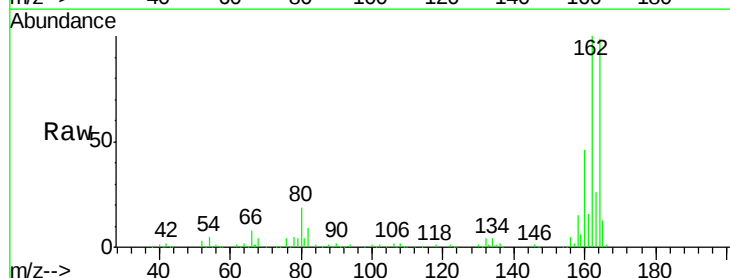
Tgt Ion: 164 Resp: 200966

Ion Ratio Lower Upper

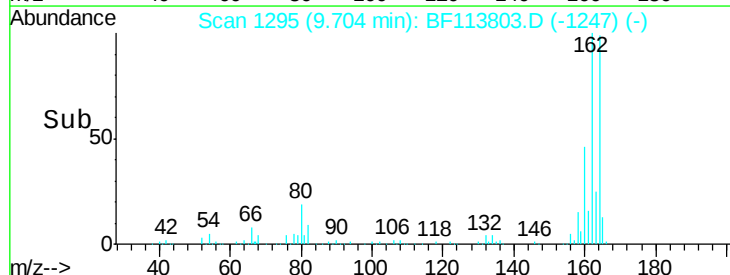
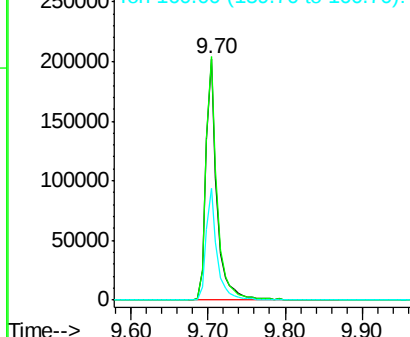
164 100

162 100.9 81.8 122.6

160 46.1 36.4 54.6



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

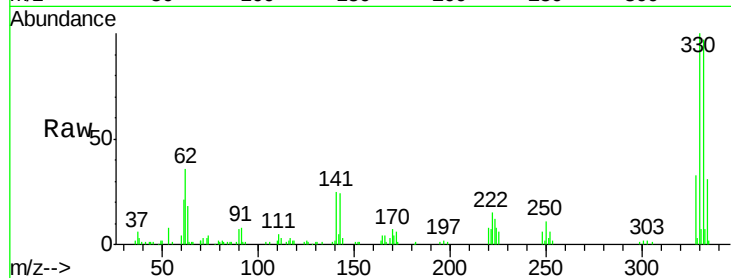




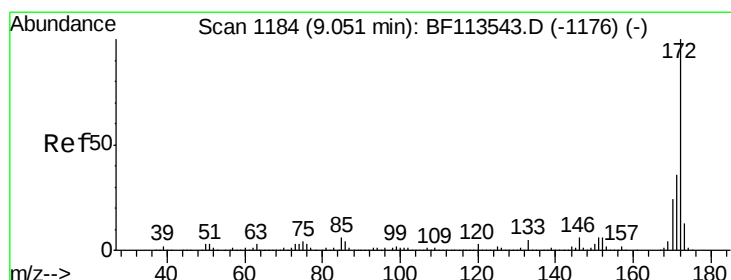
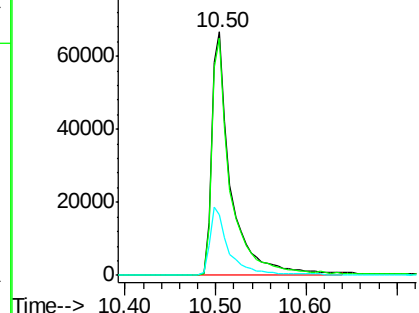
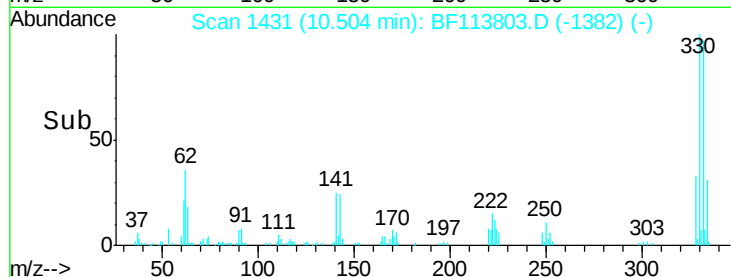
#42
 2,4,6-Tribromophenol
 Concen: 41.044 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113803.D
 Acq: 16 Apr 2019 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.8	116.6
141	27.5	22.7	34.1

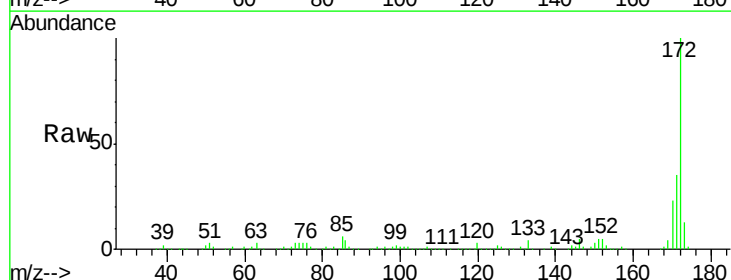


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

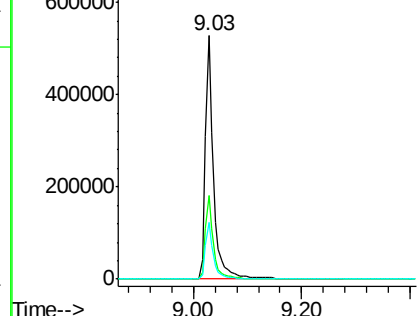
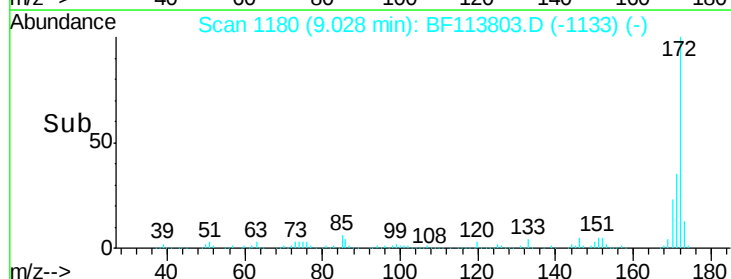


#45
 2-Fluorobiphenyl
 Concen: 44.572 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113803.D
 Acq: 16 Apr 2019 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.0	43.6
170	23.4	19.5	29.3



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

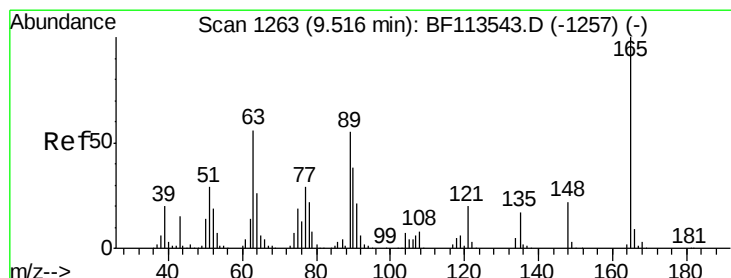
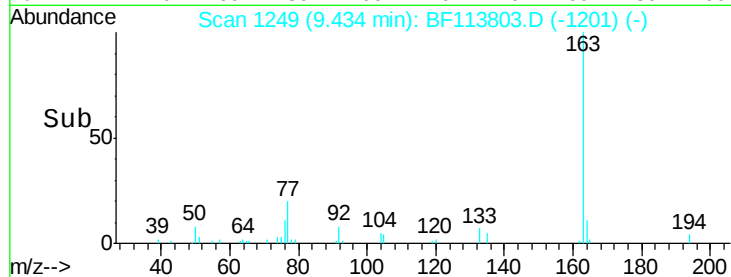
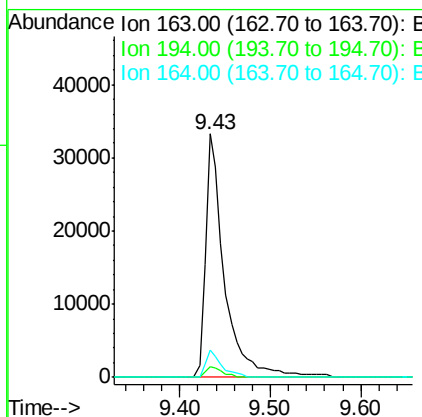
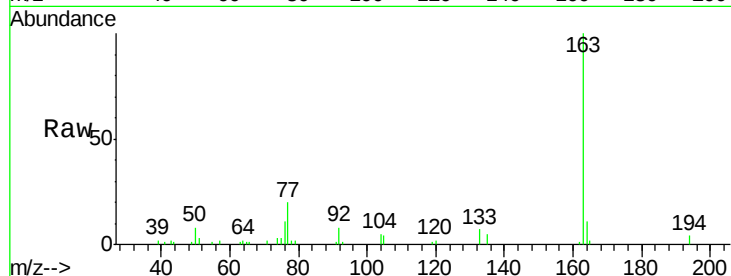




#50
Dimethylphthalate
Concen: 3.293 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

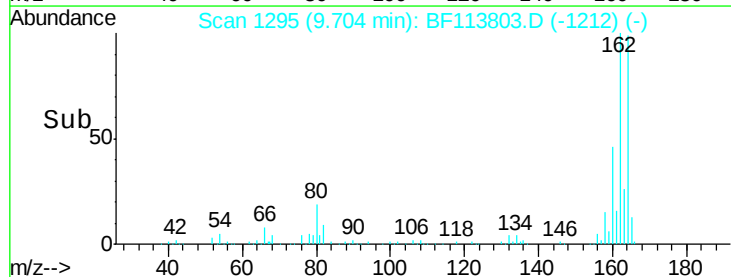
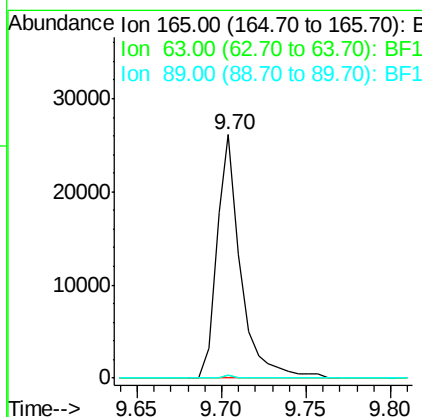
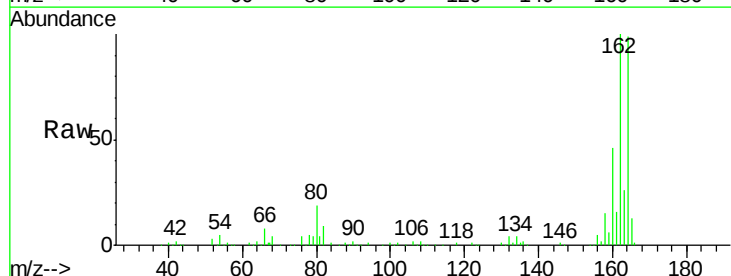
Instrument :
BNA_F
ClientSampleId :

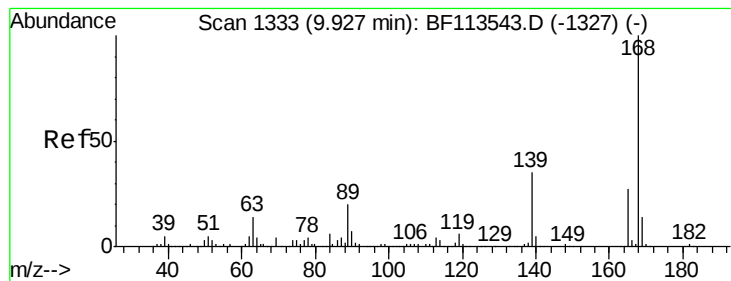
Tot Ion:163 Resp: 48784
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 11.2 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.823 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.19 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

Tgt Ion:165 Resp: 25545
Ion Ratio Lower Upper
165 100
63 1.3 43.4 65.0#
89 1.3 43.1 64.7#





#57

2,4-Dinitrotoluene

Concen: 6.468 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 25545

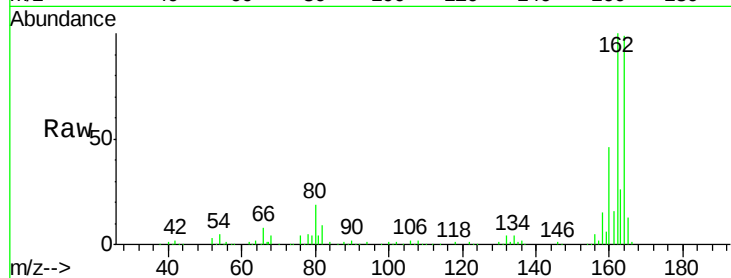
Ion Ratio Lower Upper

165 100

63 1.3 37.5 56.3#

89 1.3 57.4 86.2#

182 0.0 2.0 3.0#

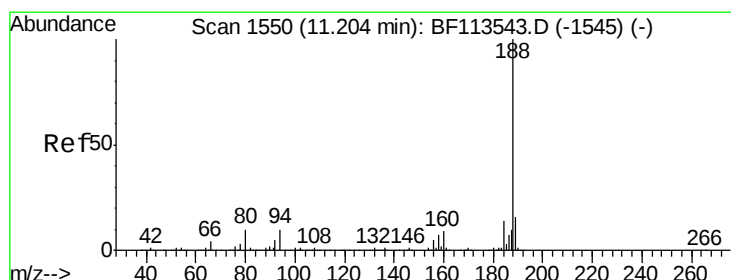
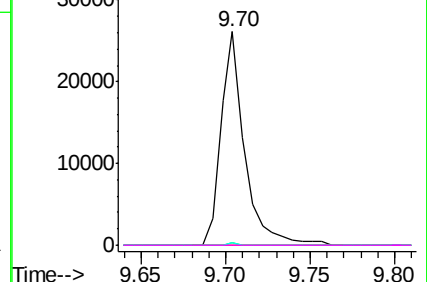
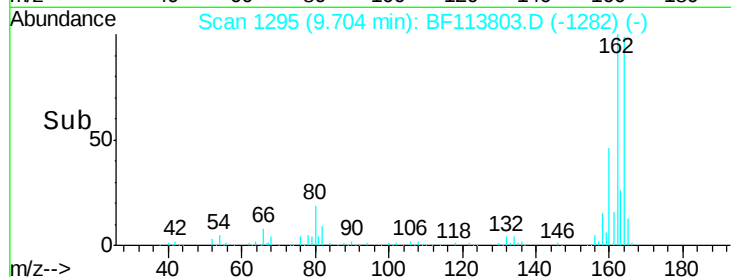


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

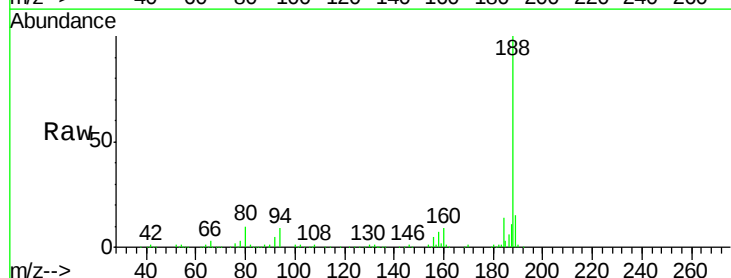
Tgt Ion:188 Resp: 354649

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.6

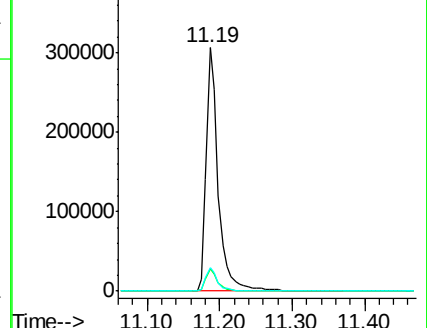
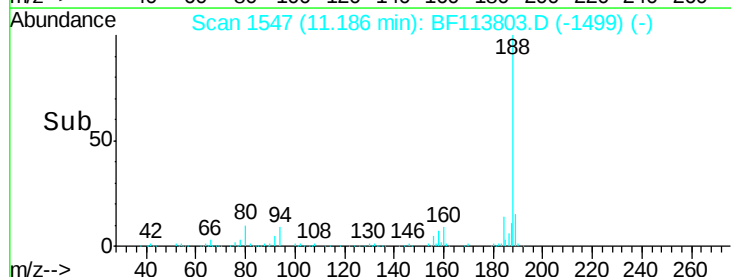
80 9.7 7.7 11.5

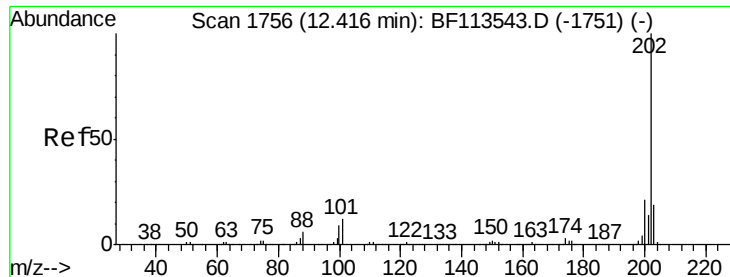


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 3.651 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Instrument :

BNA_F

ClientSampleId :

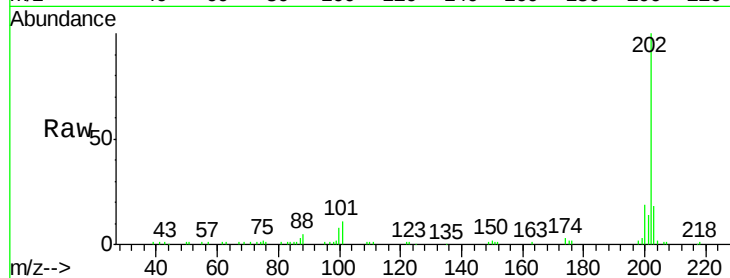
Tot Ion:202 Resp: 68952

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

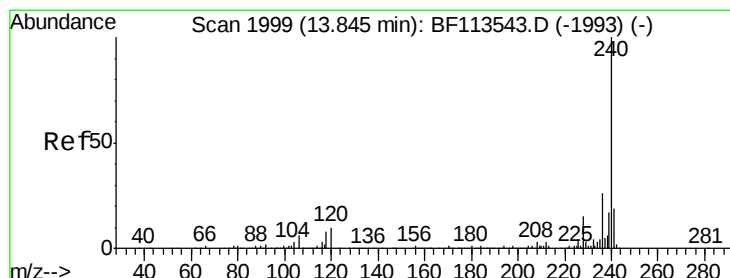
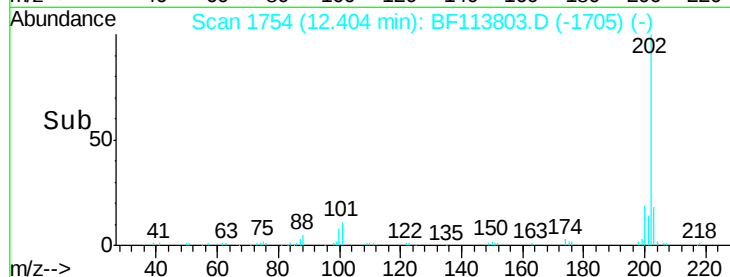
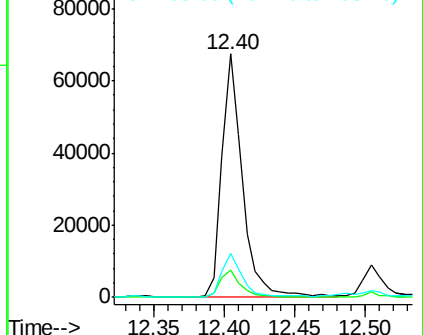
203 17.9 0.0 38.0



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

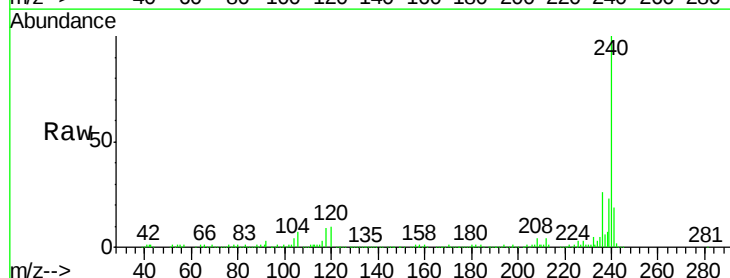
Tgt Ion:240 Resp: 346482

Ion Ratio Lower Upper

240 100

120 9.7 8.8 13.2

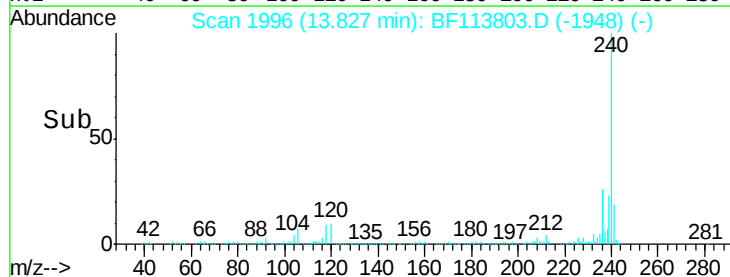
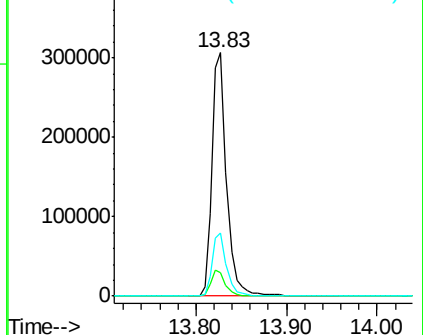
236 26.0 20.9 31.3

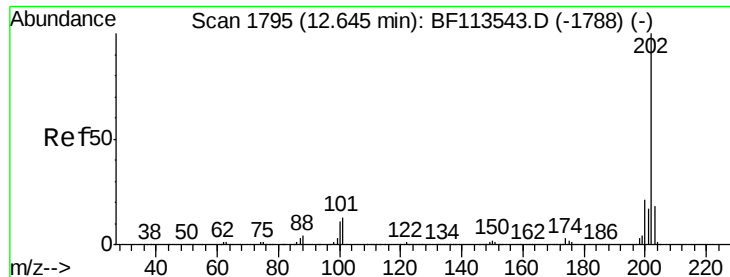


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

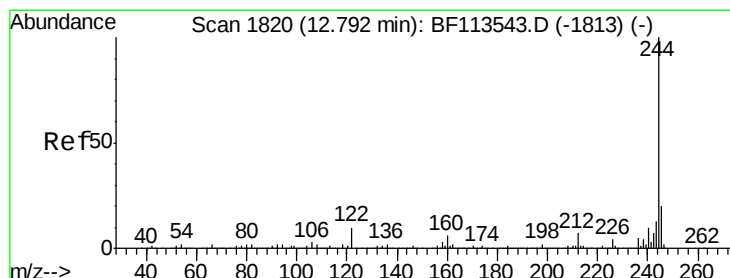
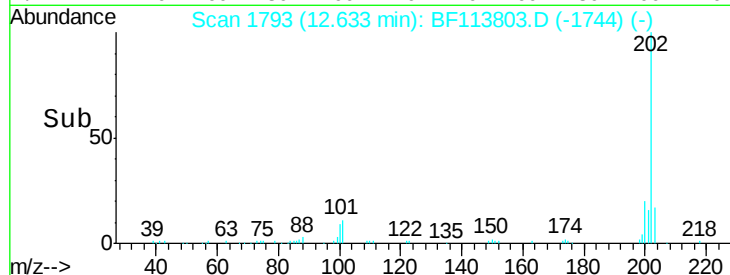
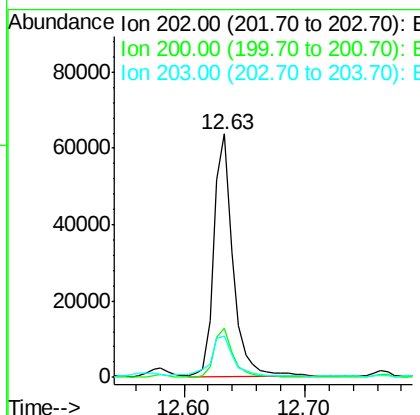
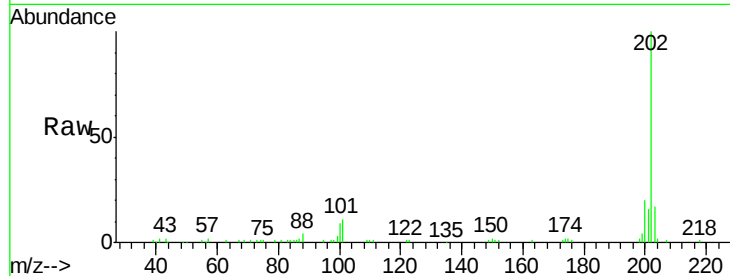




#78
Pvrene
Concen: 2.587 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

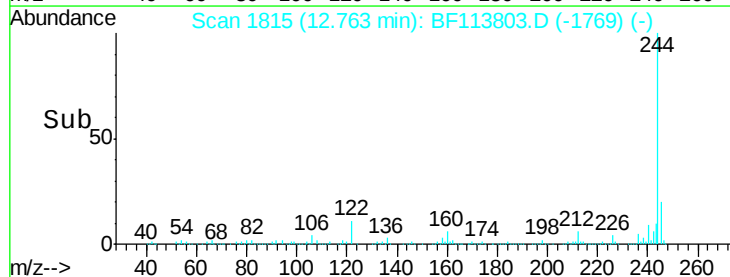
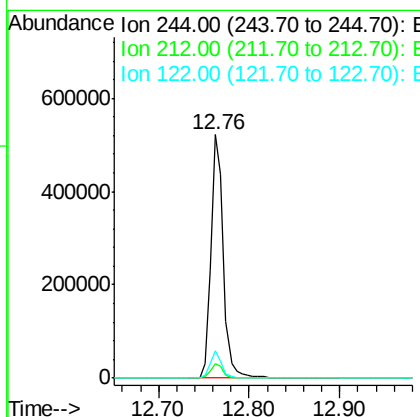
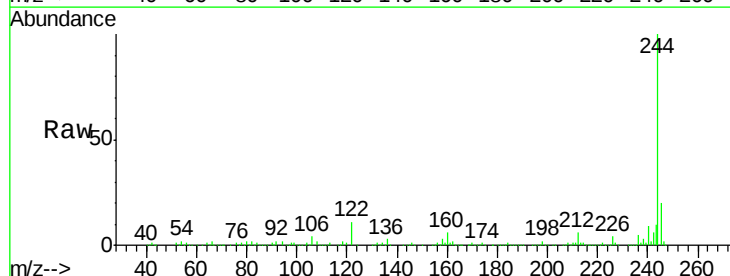
Instrument :
BNA_F
ClientSampleId :

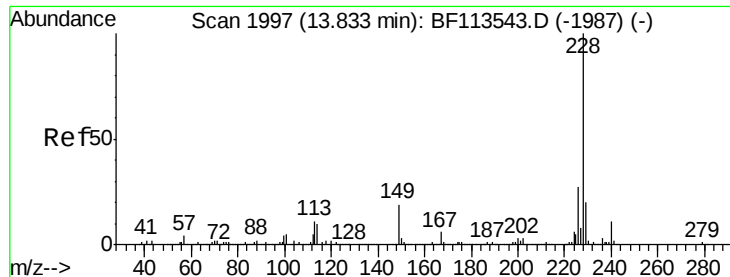
Tot Ion:202 Resp: 68201
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 17.2 14.4 21.6



#79
Terphenyl-d14
Concen: 29.719 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

Tgt Ion:244 Resp: 505741
Ion Ratio Lower Upper
244 100
212 6.2 5.5 8.3
122 11.2 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.175 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.02 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Instrument :

BNA_F

ClientSampleId :

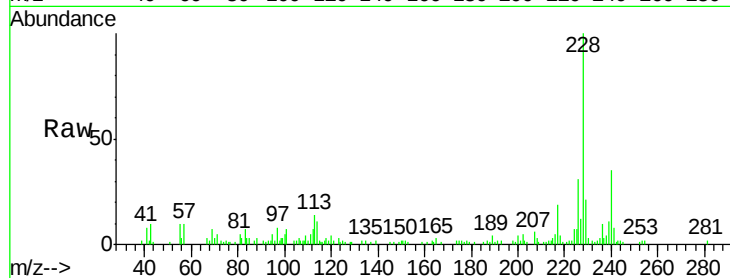
Tot Ion:228 Resp: 43474

Ion Ratio Lower Upper

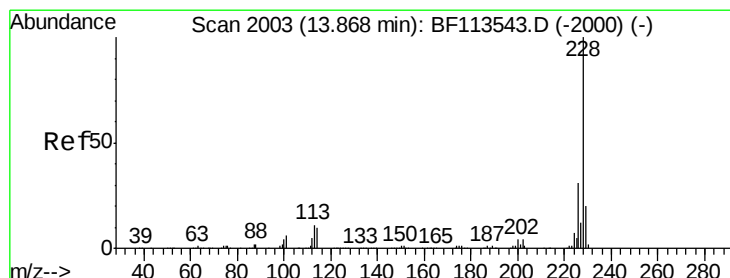
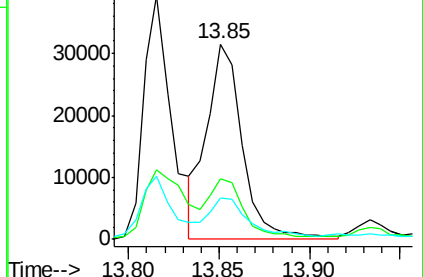
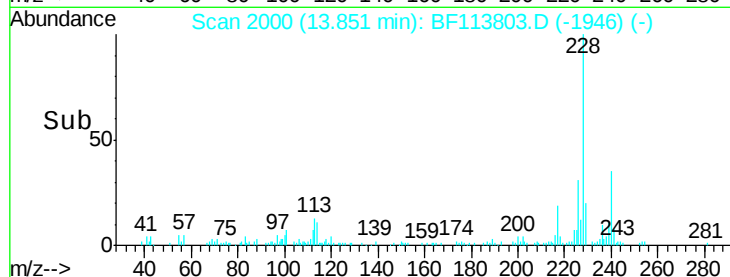
228 100

226 30.9 21.8 32.8

229 21.1 16.2 24.4



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



#83

Chrysene

Concen: 2.146 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

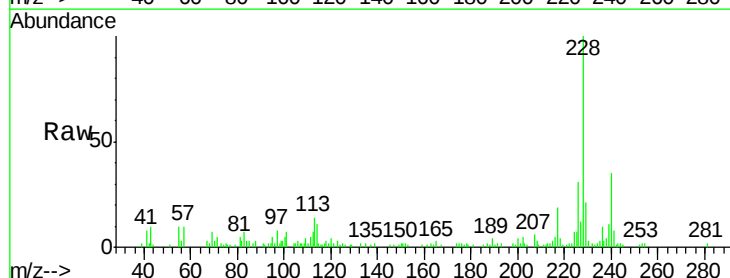
Tgt Ion:228 Resp: 43474

Ion Ratio Lower Upper

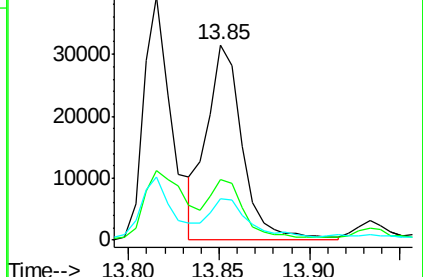
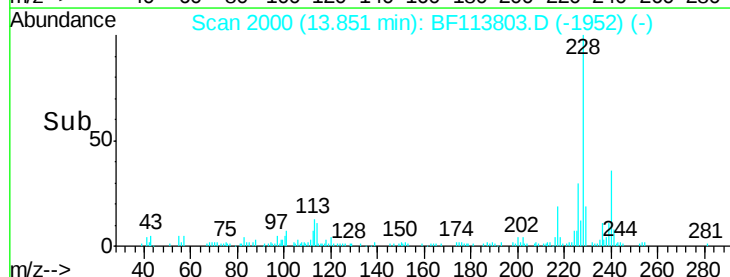
228 100

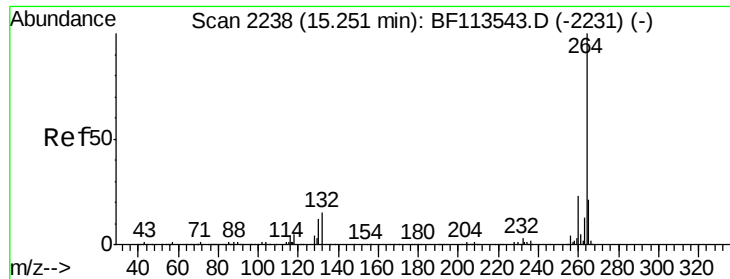
226 30.9 24.3 36.5

229 21.1 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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

Instrument :

BNA_F

ClientSampleId :

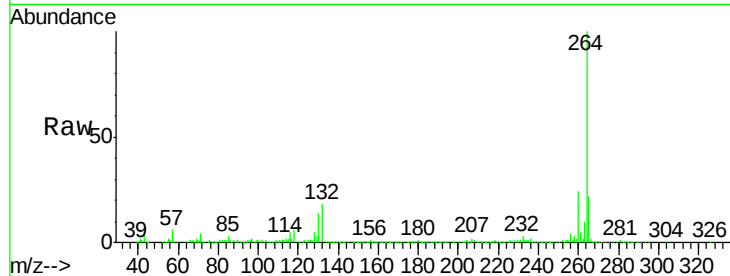
Tot Ion:264 Resp: 375331

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

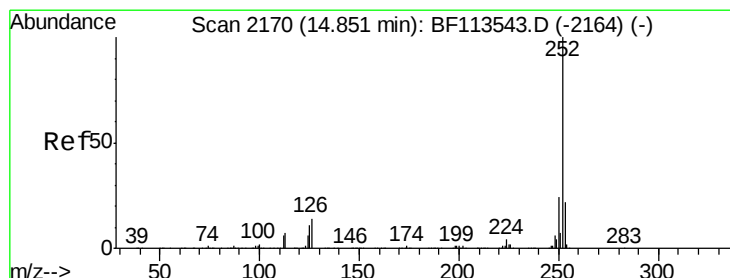
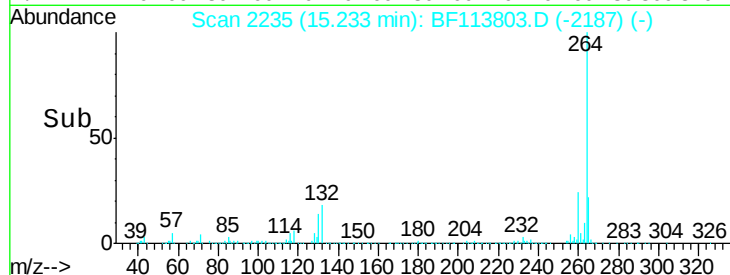
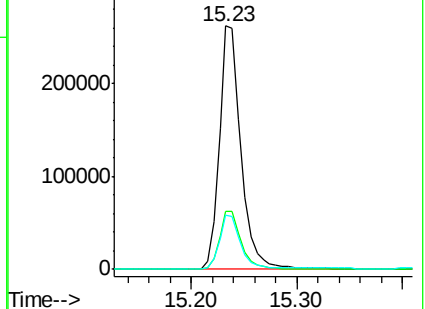
265 22.1 17.1 25.7



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: 3.797 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF113803.D

Acq: 16 Apr 2019 19:51

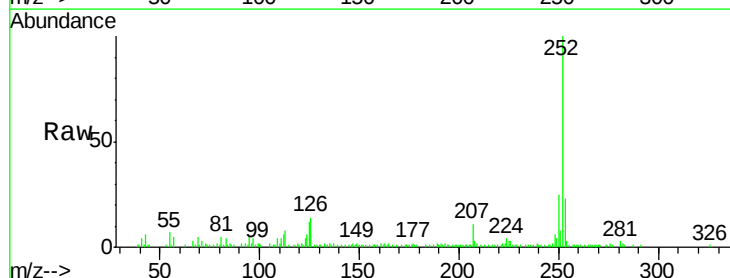
Tgt Ion:252 Resp: 87225

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

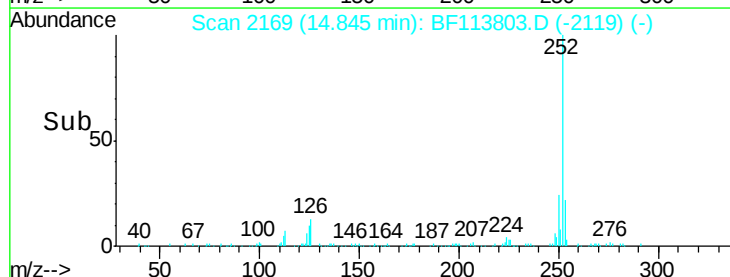
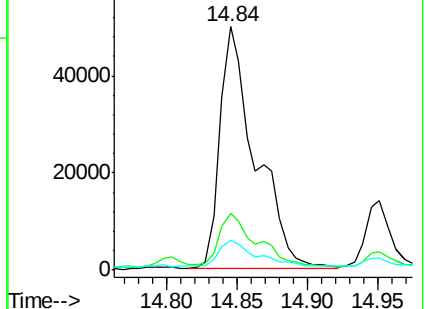
125 12.2 7.6 11.4#

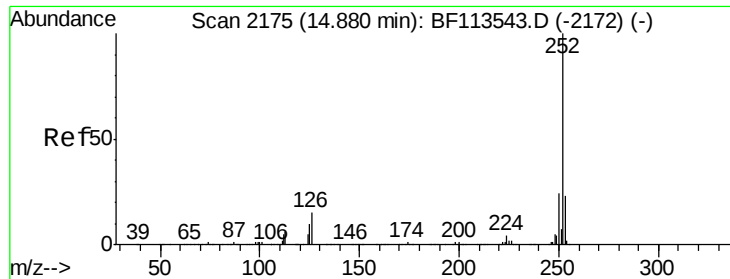


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

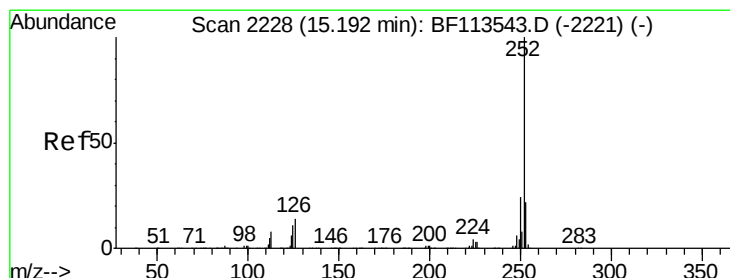
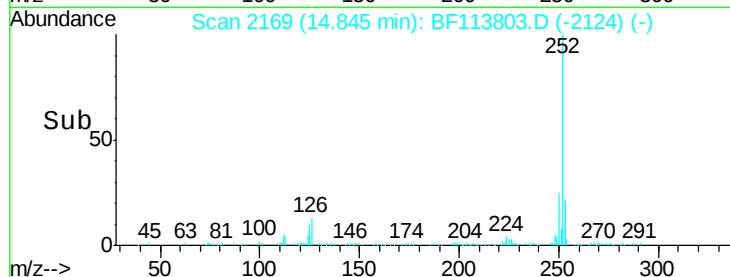
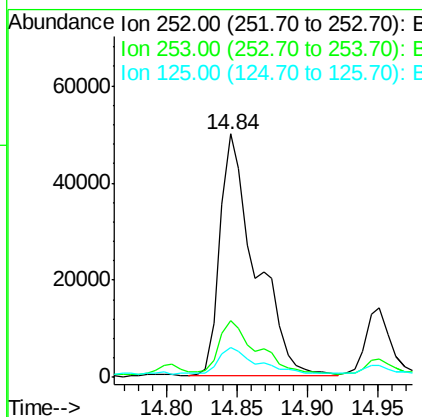
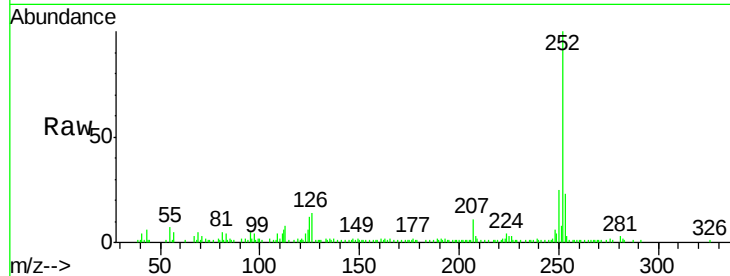




#89
Benzo(k)fluoranthene
Concen: 4.230 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 87225
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 12.2 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.361 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113803.D
Acq: 16 Apr 2019 19:51

Tgt Ion:252 Resp: 48207
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.3 8.8 13.2

