

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113711.D
 Acq On : 10 Apr 2019 22:20
 Operator : JU/SJ
 Sample : K2342-03 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:01:52 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

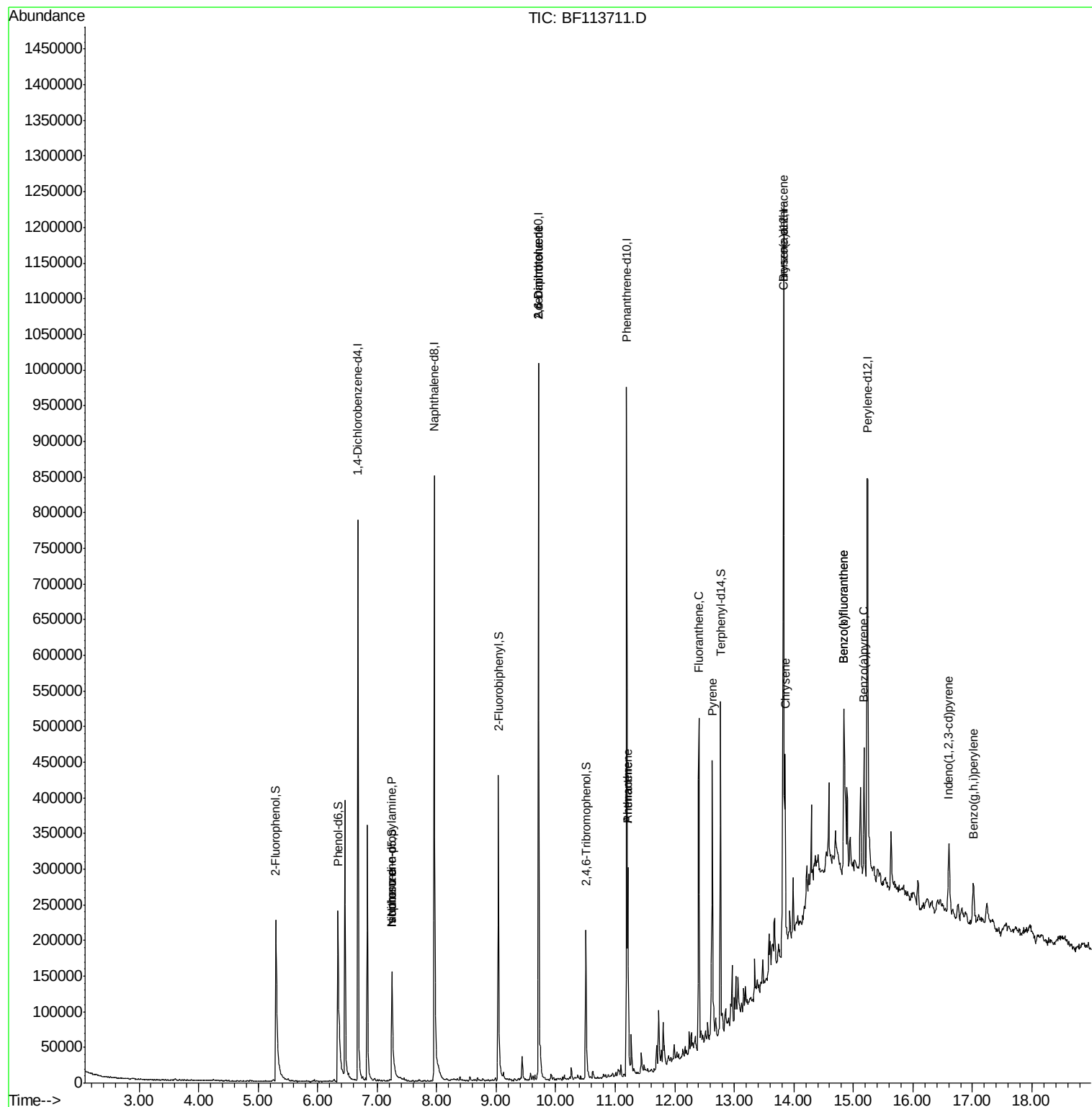
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	136669	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	503069	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	213189	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	385661	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	345978	20.00	ng	-0.02
87) Perylene-d12	15.23	264	251945	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	132330	16.51	ng	0.00
7) Phenol-d6	6.34	99	176628	17.88	ng	0.00
23) Nitrobenzene-d5	7.25	82	89454	10.42	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	36178	14.13	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	170422	12.87	ng	-0.02
79) Terphenyl-d14	12.77	244	153674	9.04	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	12464	2.046	ng	Qvalue # 80
25) Isophorone	7.25	82	89453	5.407	ng	# 64
51) 2,6-Dinitrotoluene	9.71	165	26957	7.782	ng	# 26
57) 2,4-Dinitrotoluene	9.71	165	26958	6.435	ng	# 23
71) Phenanthrene	11.22	178	105362	5.498	ng	97
72) Anthracene	11.22	178	105362	5.404	ng	98
75) Fluoranthene	12.40	202	203844	9.926	ng	98
78) Pyrene	12.63	202	182603	6.936	ng	98
81) Benzo(a)anthracene	13.82	228	116202	5.822	ng	99
83) Chrysene	13.85	228	108716	5.374	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	57911	3.100	ng	95
88) Benzo(b)fluoranthene	14.84	252	170728	11.070	ng	# 96
89) Benzo(k)fluoranthene	14.84	252	170728	12.335	ng	# 95
90) Benzo(a)pyrene	15.18	252	87426	6.380	ng	98
92) Benzo(a,h,i)perylene	17.02	276	55236	4.223	ng	95

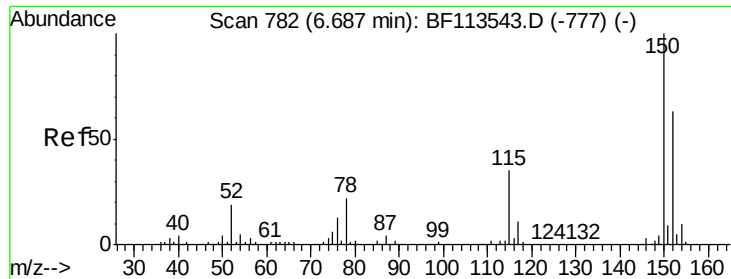
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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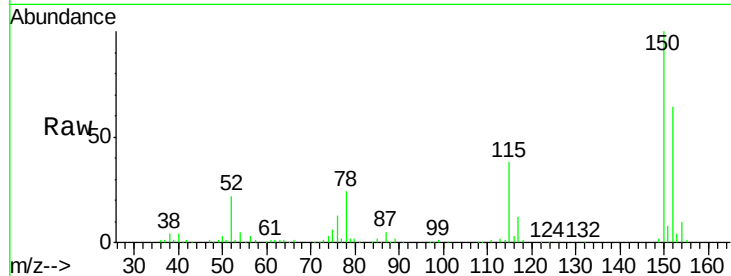


#1

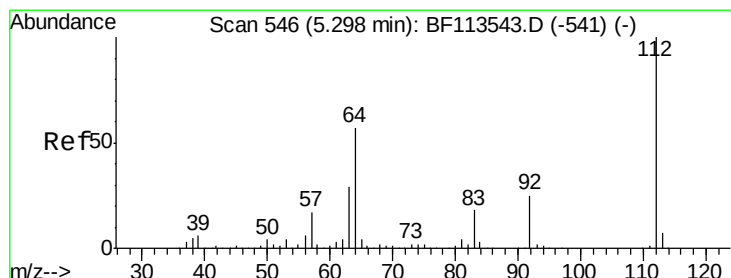
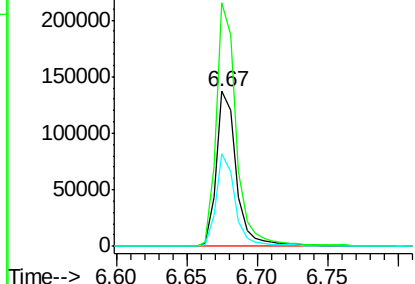
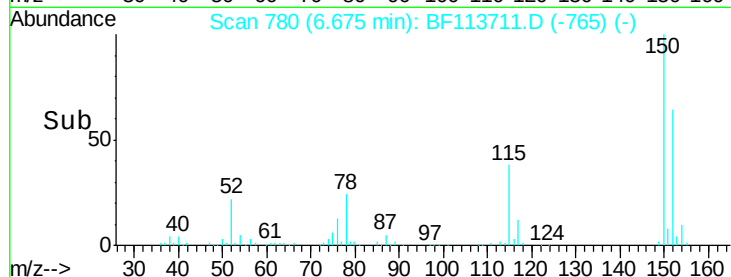
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	136669
Ion Ratio	Lower	Upper	
152	100		
150	157.4	124.7	187.1
115	59.7	46.0	69.0



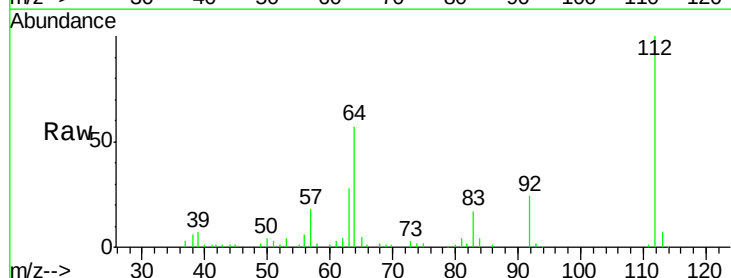
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



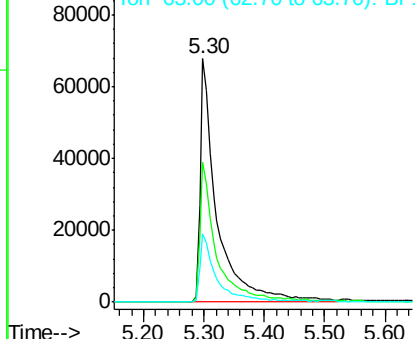
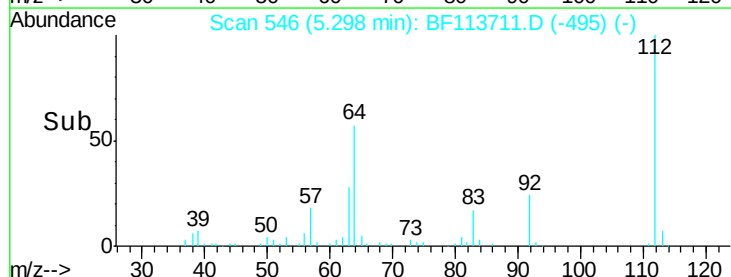
#5

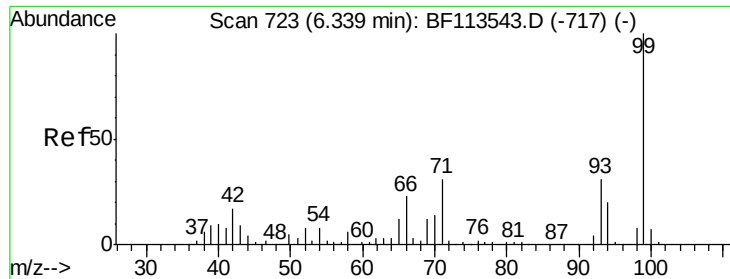
2-Fluorophenol
Concen: 16.511 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Tgt Ion	112	Resp	132330
Ion Ratio	Lower	Upper	
112	100		
64	57.5	49.2	73.8
63	28.3	24.9	37.3



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: 17.881 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampleId :

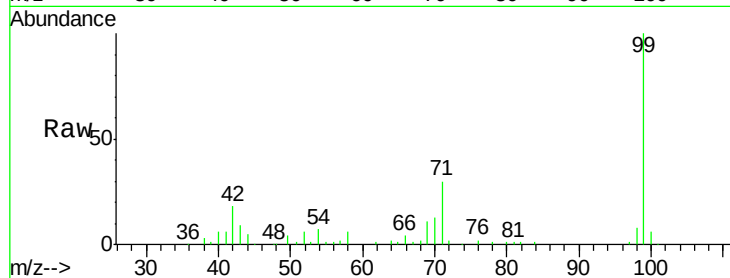
Tot Ion: 99 Resp: 176628

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

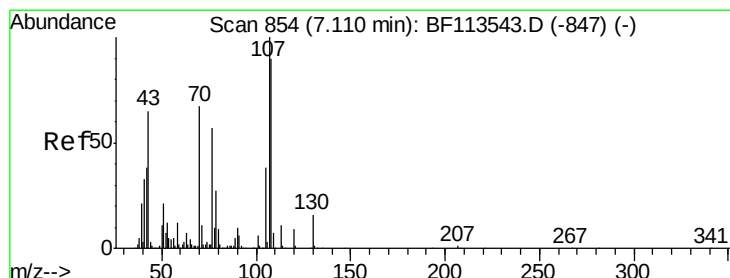
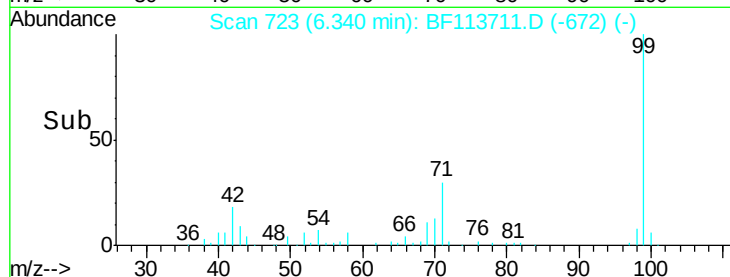
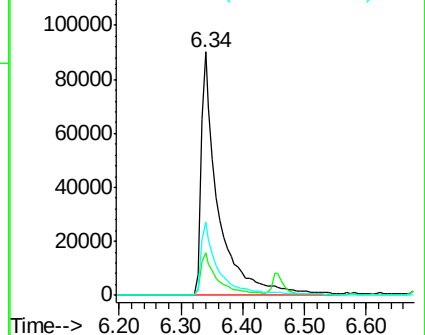
71 30.0 24.9 37.3



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: 2.046 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Tgt Ion: 70 Resp: 12464

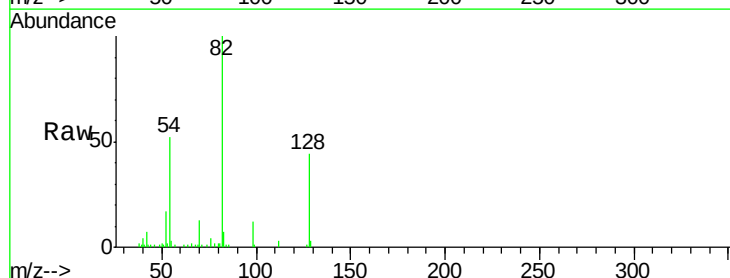
Ion Ratio Lower Upper

70 100

42 54.3 48.4 72.6

101 0.0 7.8 11.8#

130 0.0 18.2 27.4#

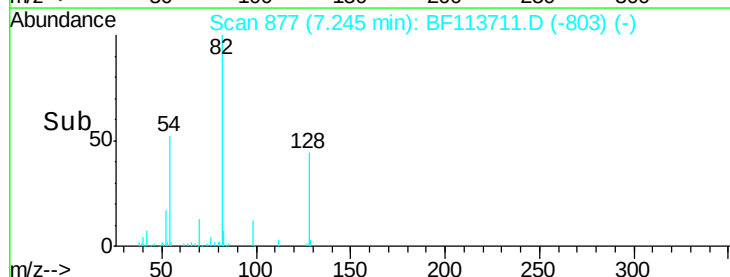
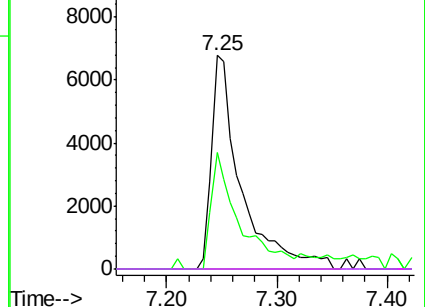


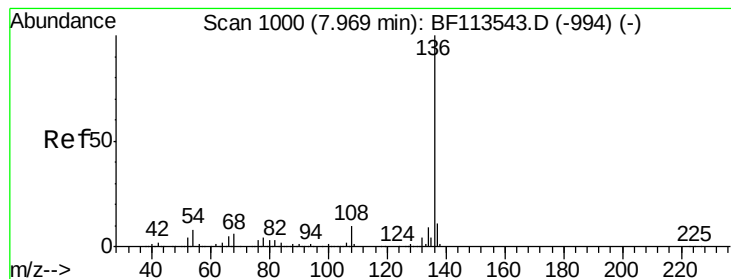
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 999

Delta R.T. -0.01 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 503069

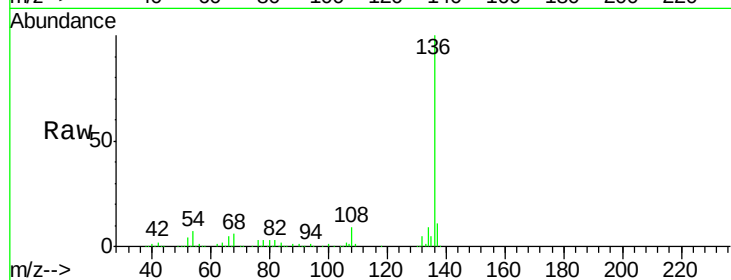
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.4 7.0 10.6

68 5.7 4.8 7.2

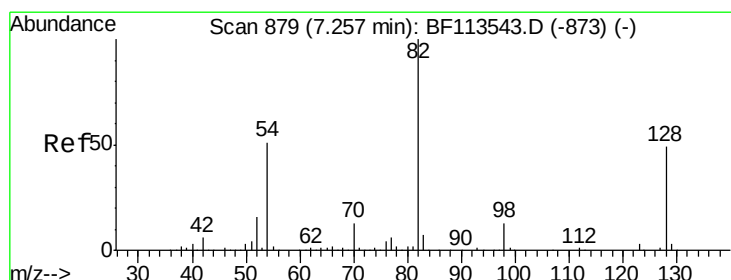
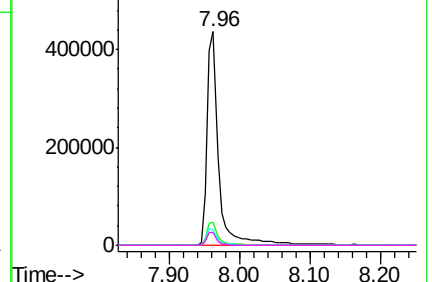
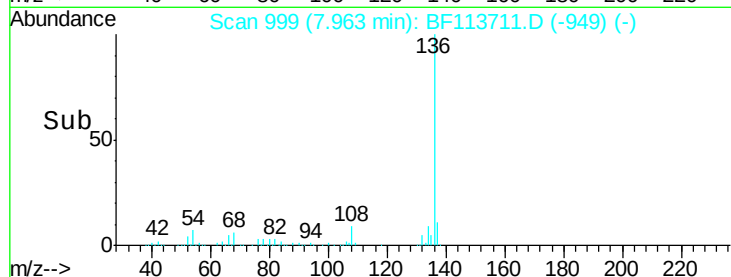


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.416 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

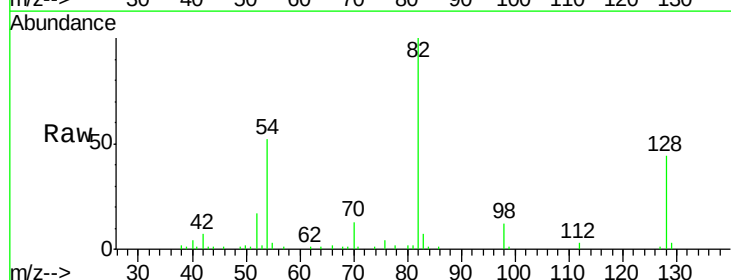
Tgt Ion: 82 Resp: 89454

Ion Ratio Lower Upper

82 100

128 44.1 36.5 54.7

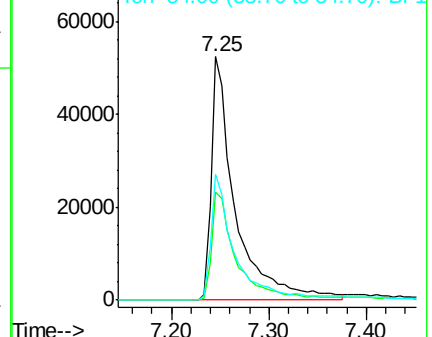
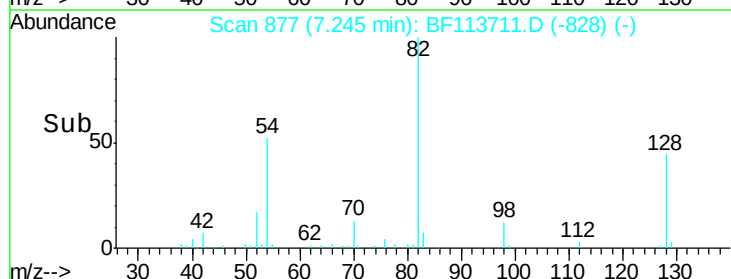
54 51.7 42.2 63.2

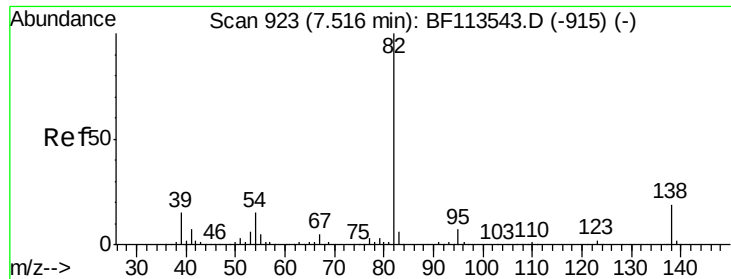


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 5.407 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampleId :

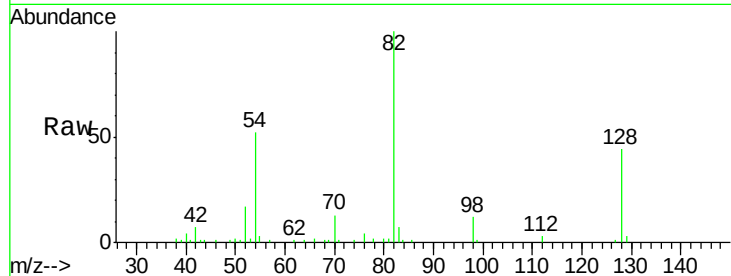
Tot Ion: 82 Resp: 89453

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

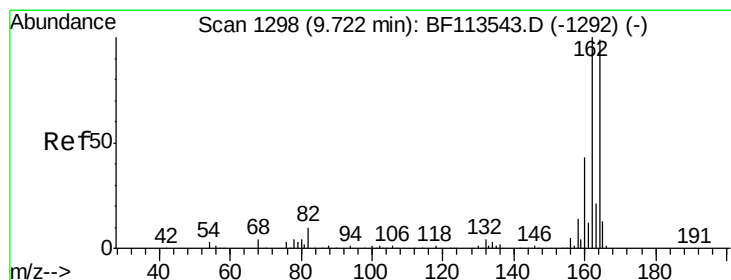
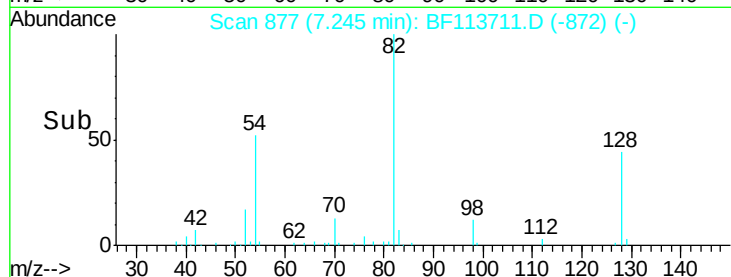
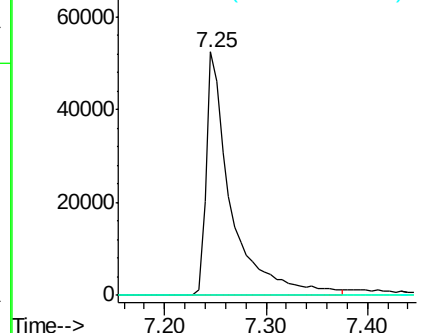
138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

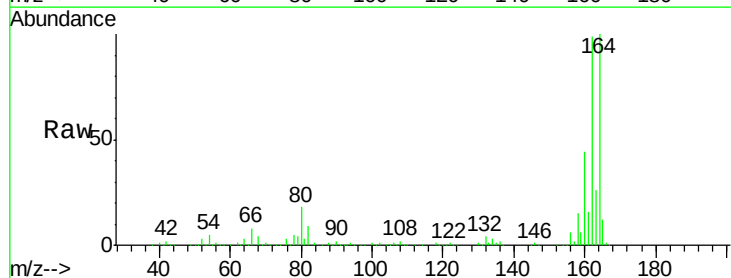
Tgt Ion:164 Resp: 213189

Ion Ratio Lower Upper

164 100

162 99.2 81.8 122.6

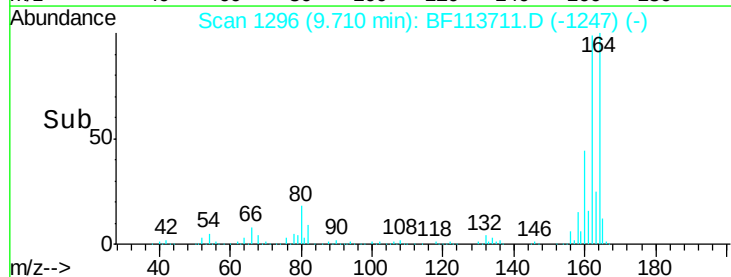
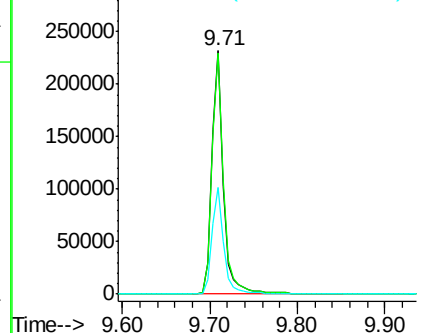
160 43.8 36.4 54.6

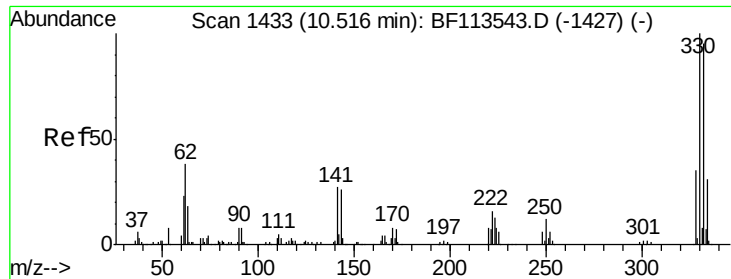


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 14.127 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampleId :

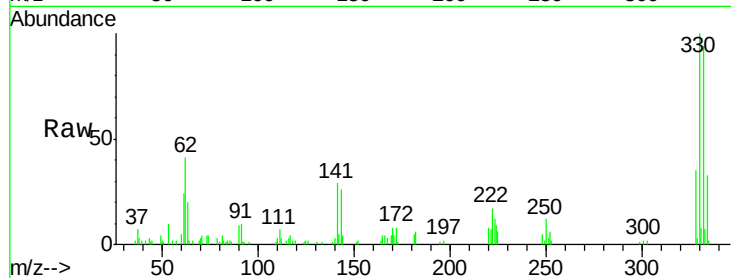
Tot Ion:330 Resp: 36178

Ion Ratio Lower Upper

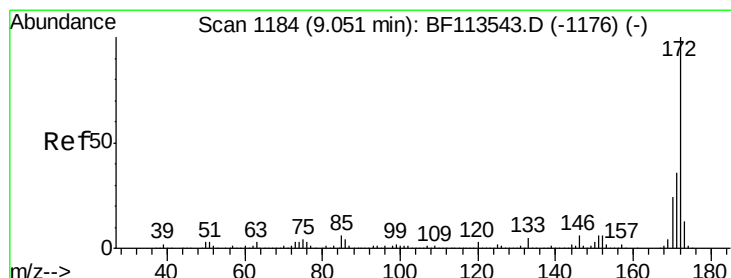
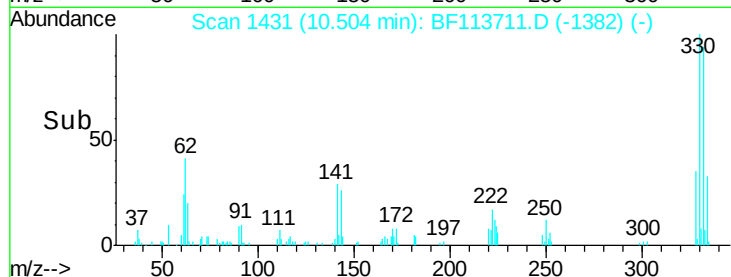
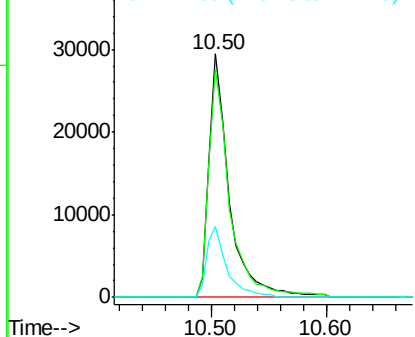
330 100

332 97.1 77.8 116.6

141 28.5 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: 12.869 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

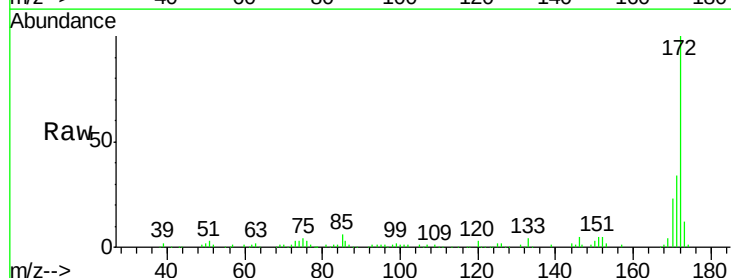
Tgt Ion:172 Resp: 170422

Ion Ratio Lower Upper

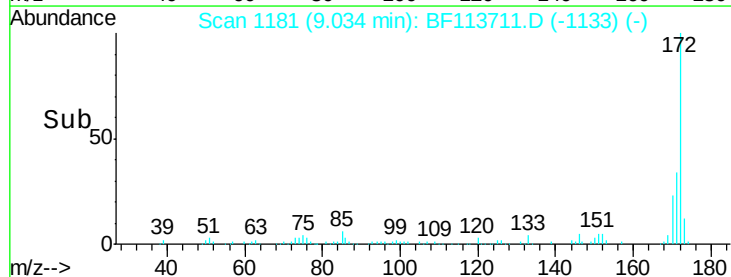
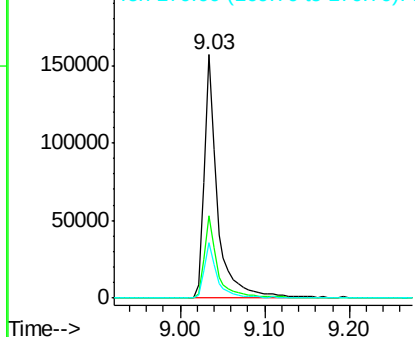
172 100

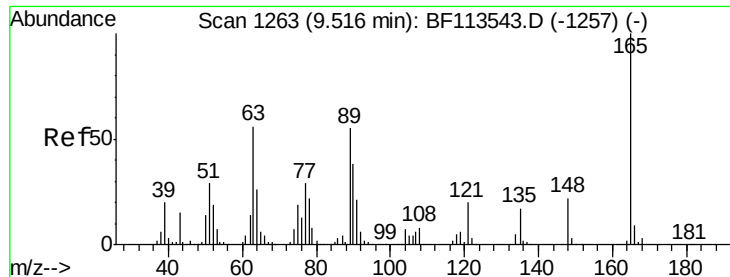
171 33.6 29.0 43.6

170 22.6 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





#51

2,6-Dinitrotoluene

Concen: 7.782 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.19 min

Lab File: BF113711.D

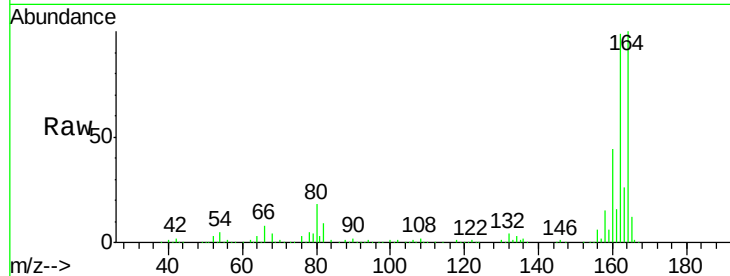
Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampleId :

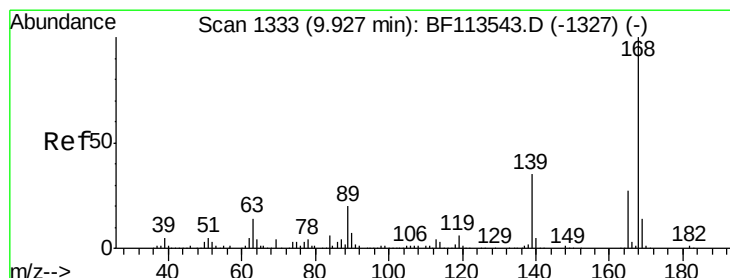
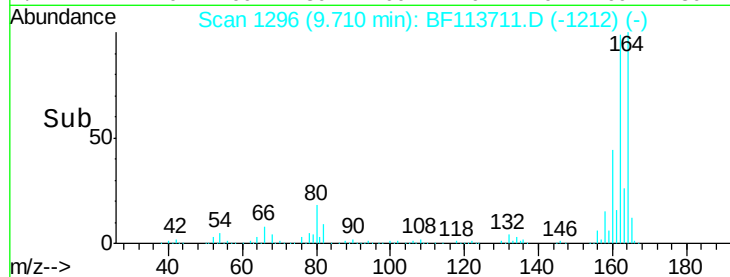
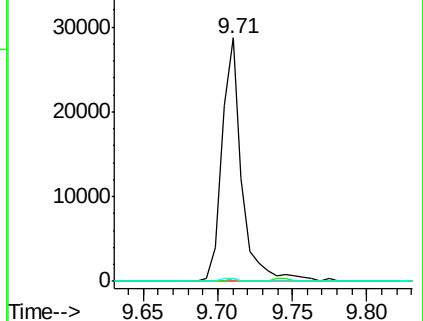
Tot Ion:165	Resp:	26957
Ion Ratio	Lower	Upper
165	100	
63	1.3	43.4 65.0#
89	1.3	43.1 64.7#



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: 6.435 ng

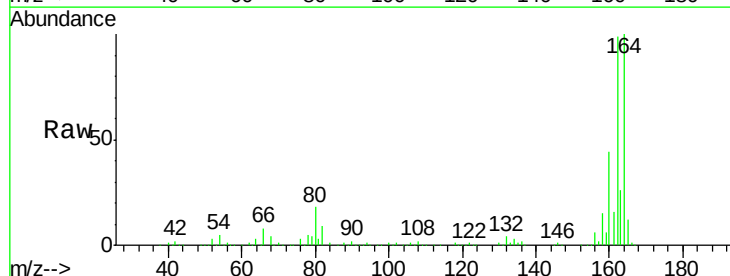
RT: 9.71 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Tgt Ion:165	Resp:	26958
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#

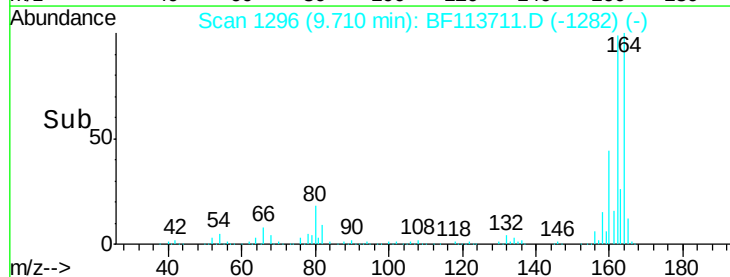
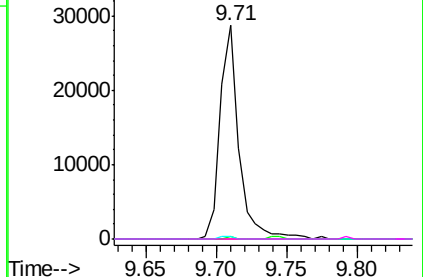


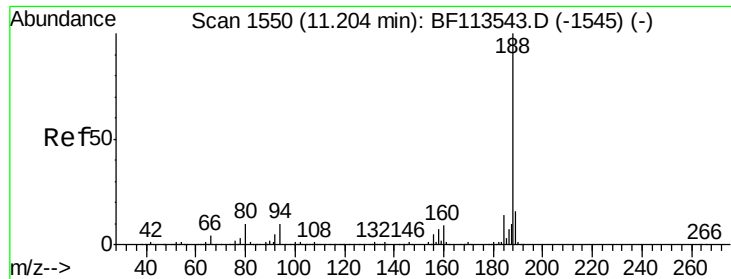
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1548

Delta R.T. -0.01 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampled :

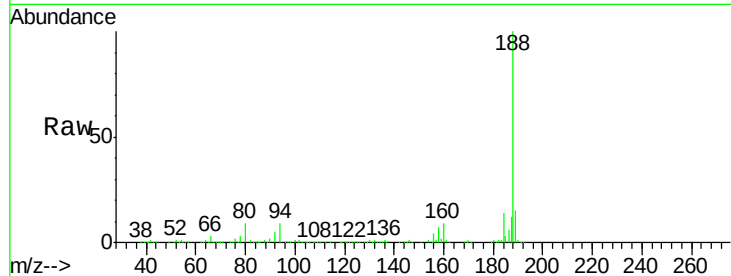
Tot Ion:188 Resp: 385661

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

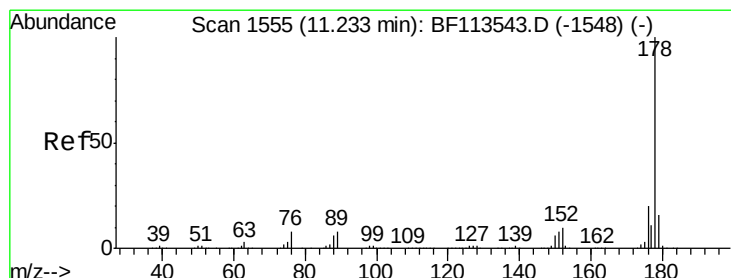
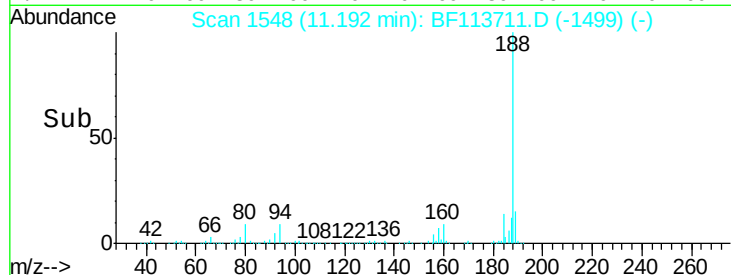
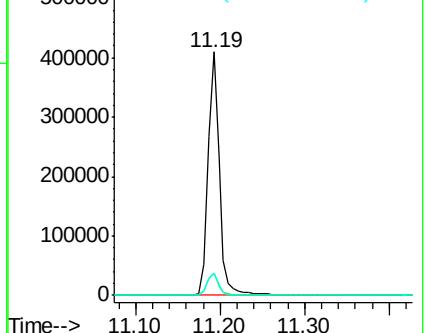
80 9.2 7.7 11.5



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



#71

Phenanthrene

Concen: 5.498 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

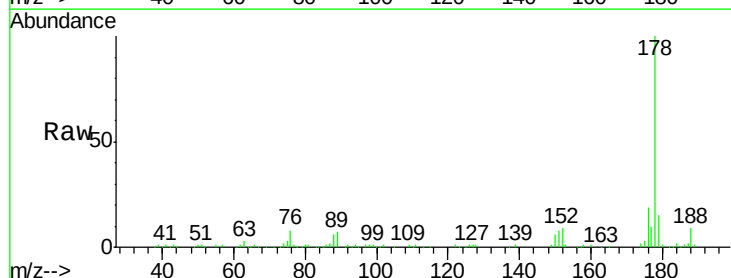
Tgt Ion:178 Resp: 105362

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.2

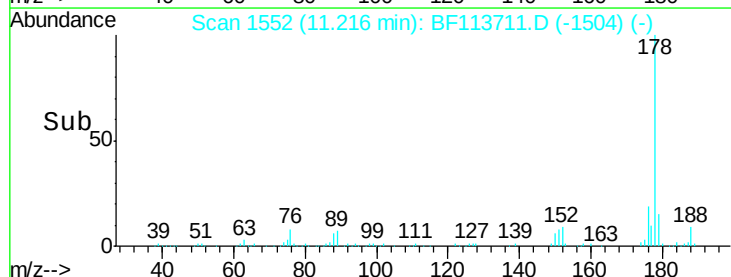
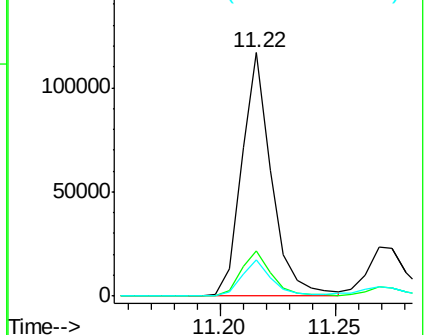
179 15.0 12.7 19.1

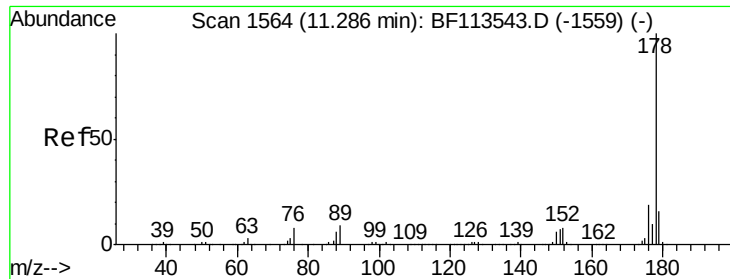


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.404 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.07 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampleId :

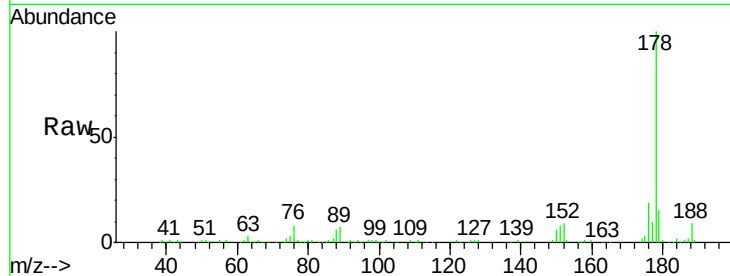
Tot Ion:178 Resp: 105362

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

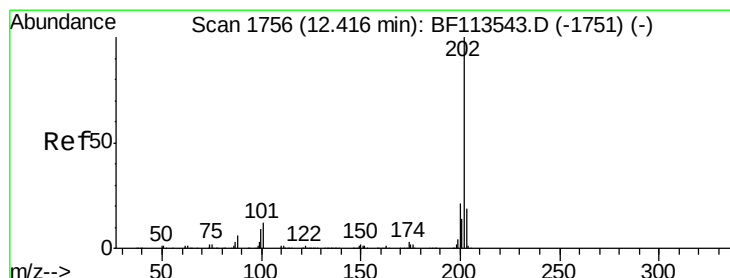
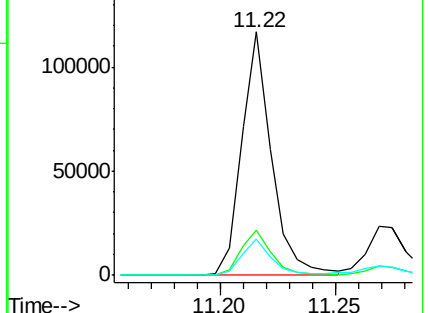
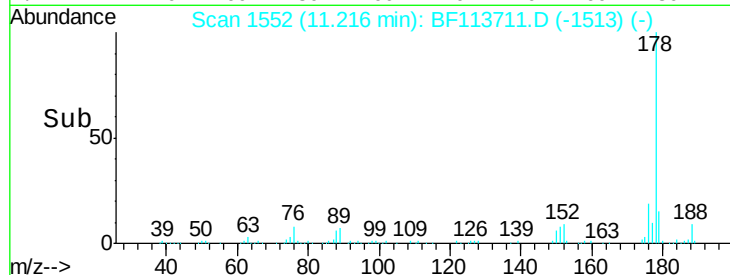
179 15.0 12.8 19.2



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: 9.926 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

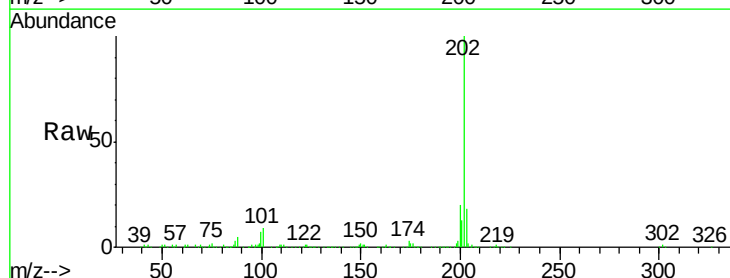
Tgt Ion:202 Resp: 203844

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.4

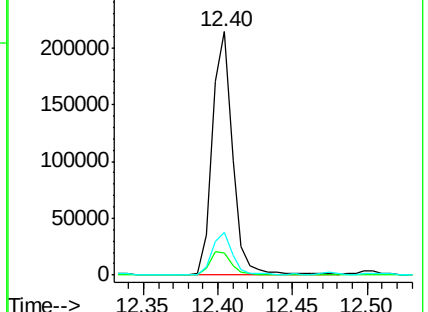
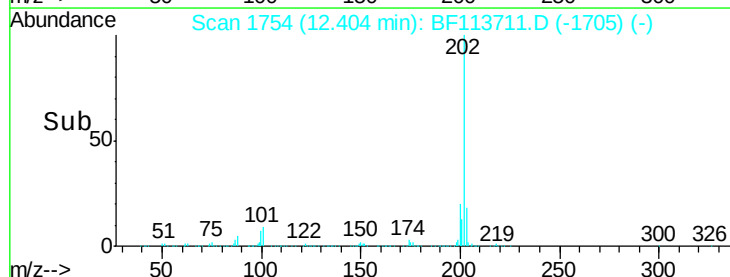
203 17.8 0.0 38.0

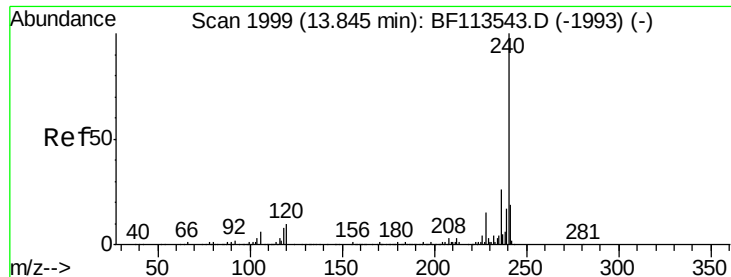


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

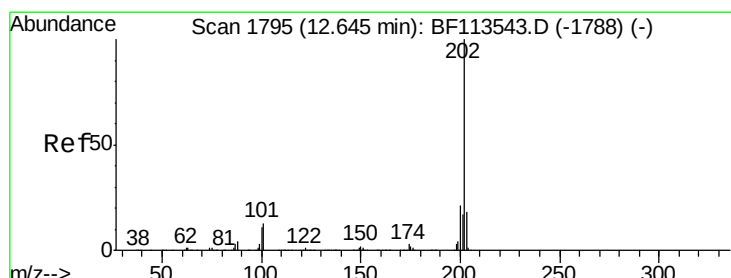
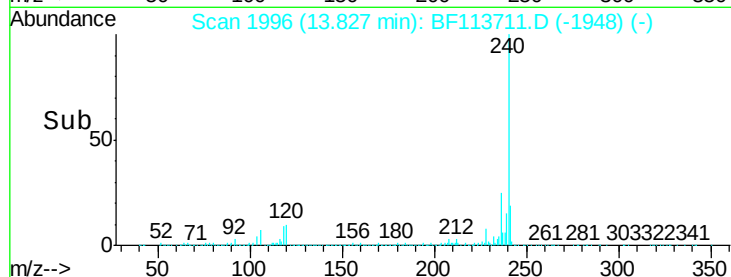
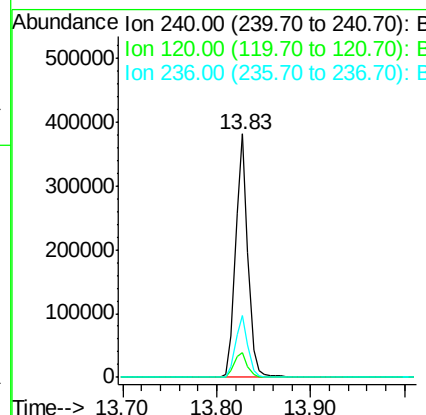
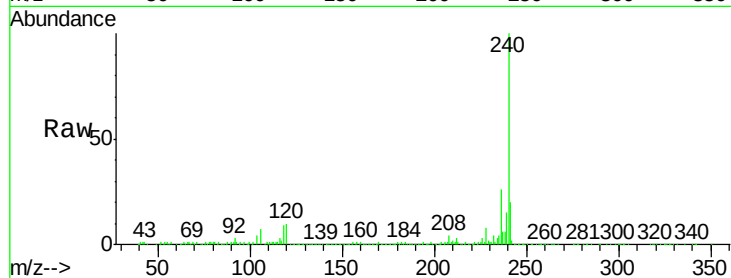




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

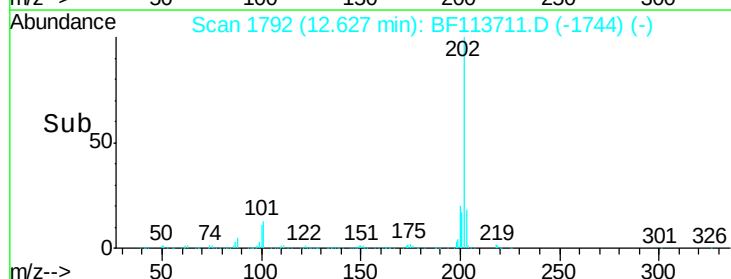
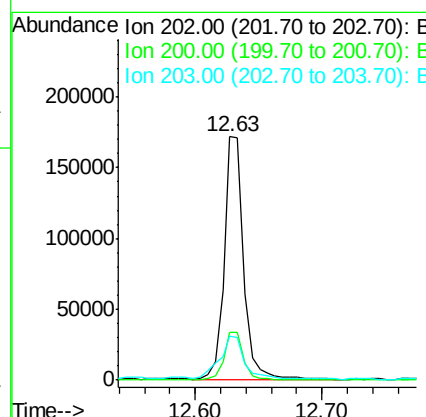
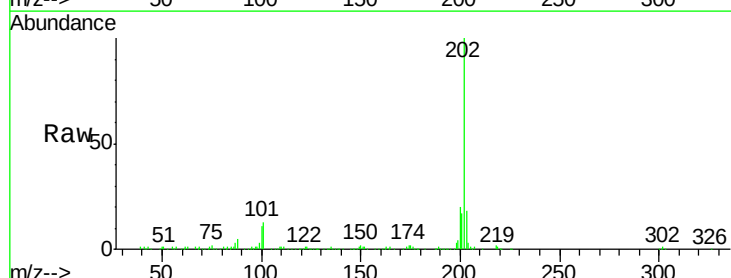
Instrument :
BNA_F
ClientSampleId :

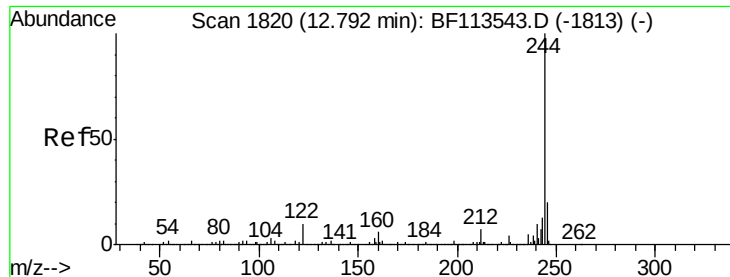
Tot Ion:240 Resp: 345978
Ion Ratio Lower Upper
240 100
120 9.9 8.8 13.2
236 25.6 20.9 31.3



#78
Pyrene
Concen: 6.936 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Tgt Ion:202 Resp: 182603
Ion Ratio Lower Upper
202 100
200 19.6 16.8 25.2
203 18.1 14.4 21.6





#79

Terphenyl-d14

Concen: 9.043 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampled :

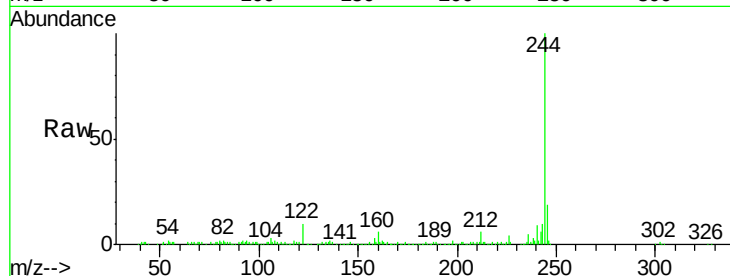
Tot Ion:244 Resp: 153674

Ion Ratio Lower Upper

244 100

212 6.1 5.5 8.3

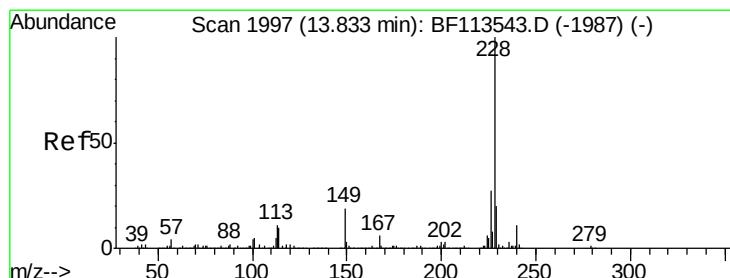
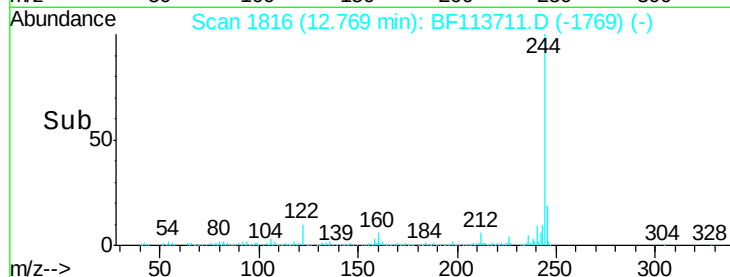
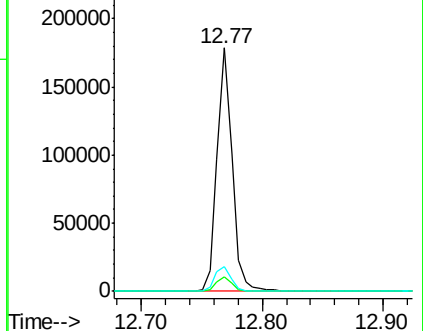
122 10.2 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.822 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

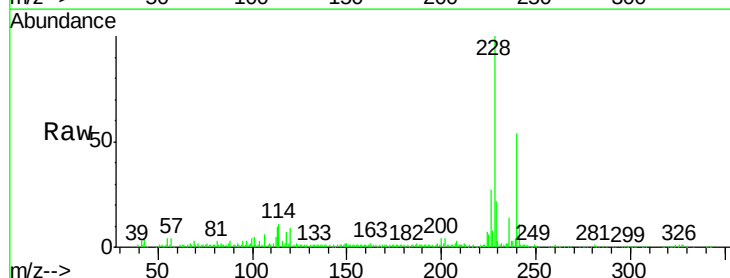
Tgt Ion:228 Resp: 116202

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

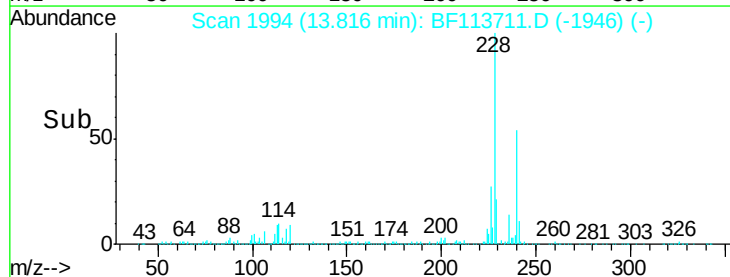
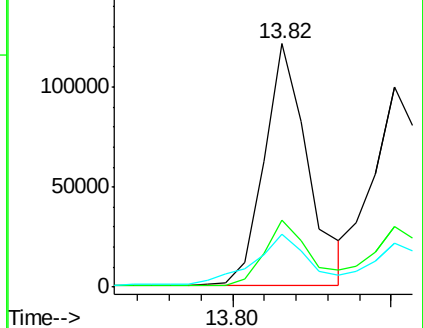
229 21.6 16.2 24.4

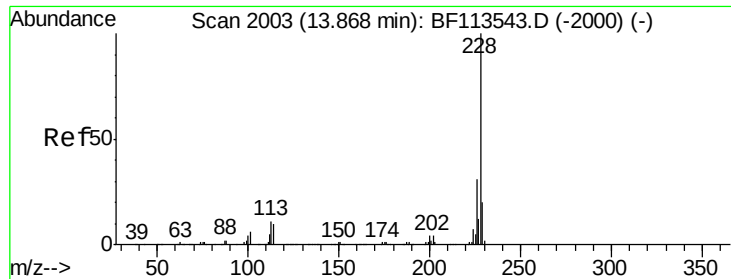


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

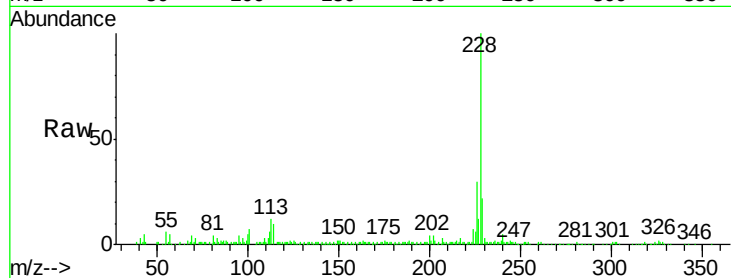




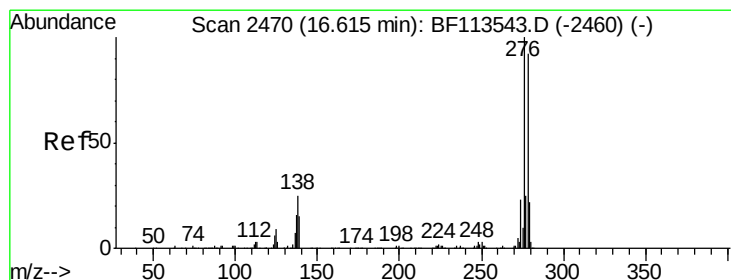
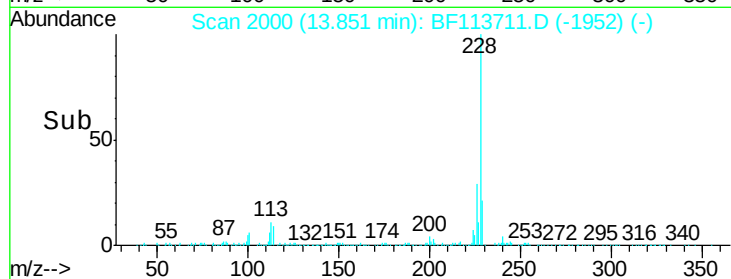
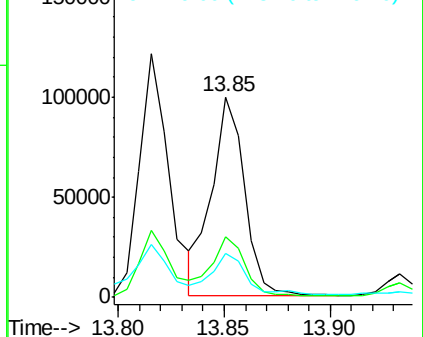
#83
Chrysene
Concen: 5.374 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 108716
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.9 16.3 24.5

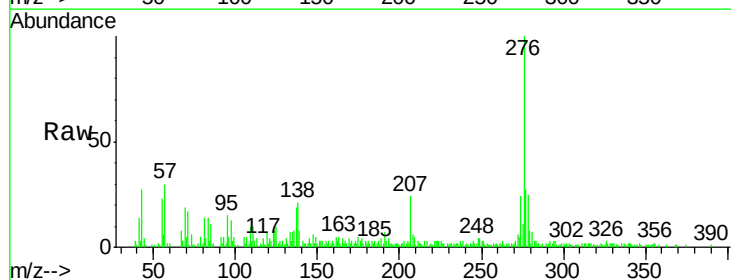


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

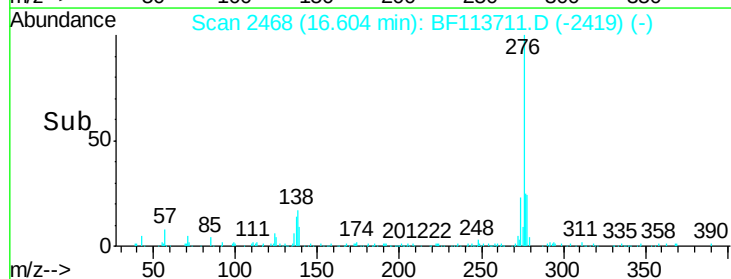
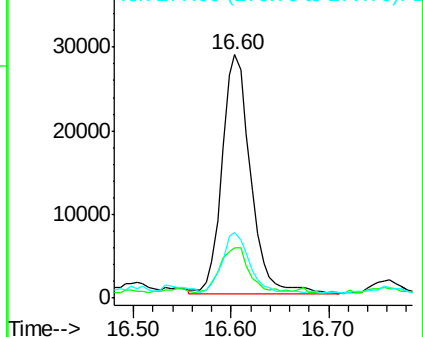


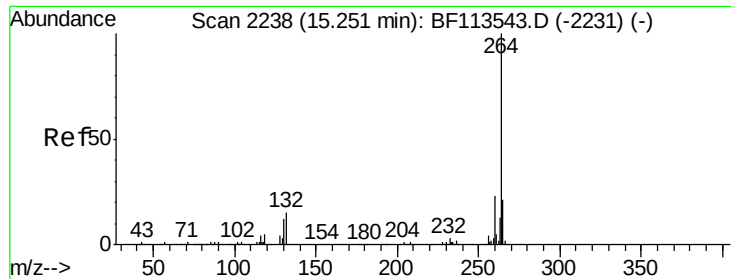
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.100 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Tgt Ion:276 Resp: 57911
Ion Ratio Lower Upper
276 100
138 19.7 18.1 27.1
277 23.5 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

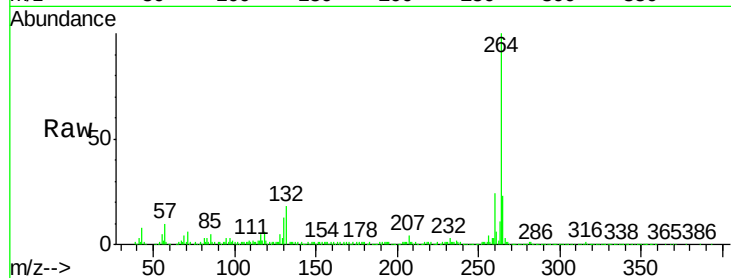




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.5	17.1	25.7

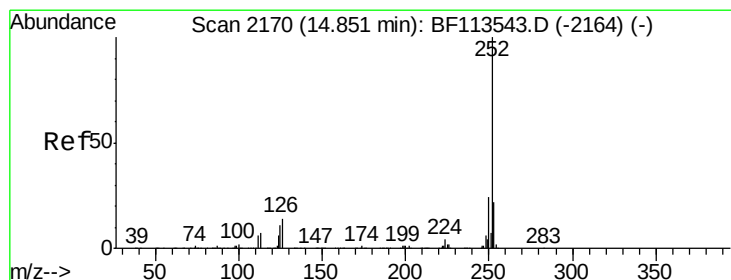
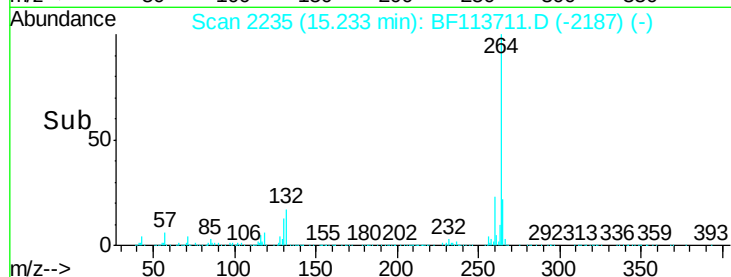
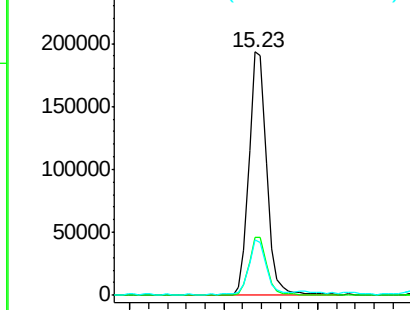


Abundance

Ion 264.00 (263.70 to 264.70): E

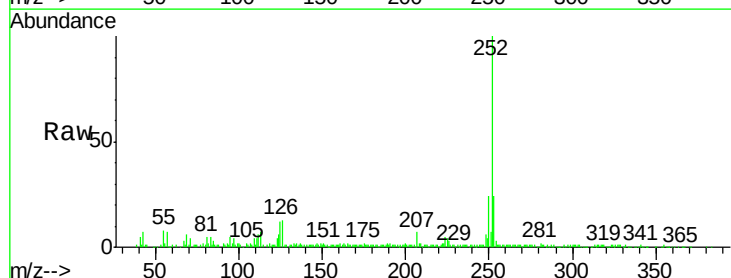
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 11.070 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.1	7.6	11.4

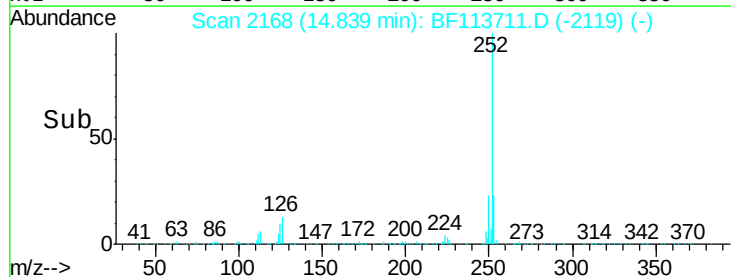
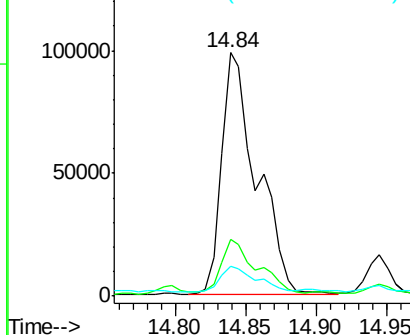


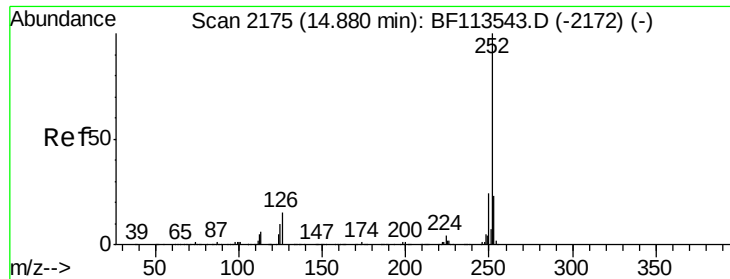
Abundance

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

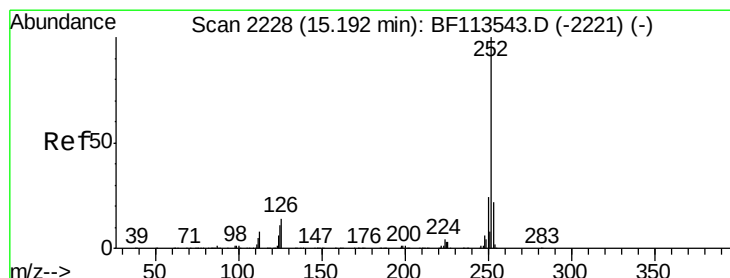
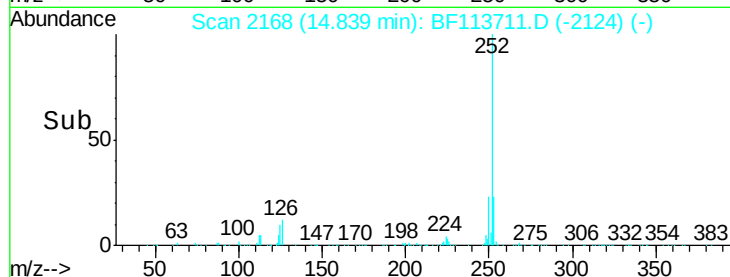
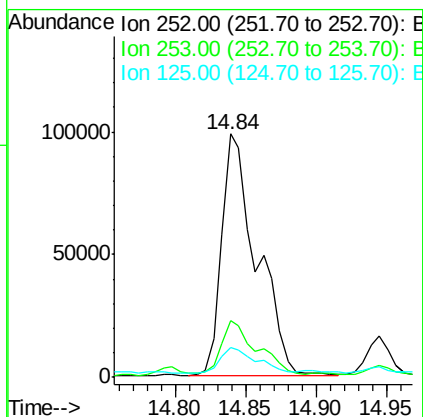
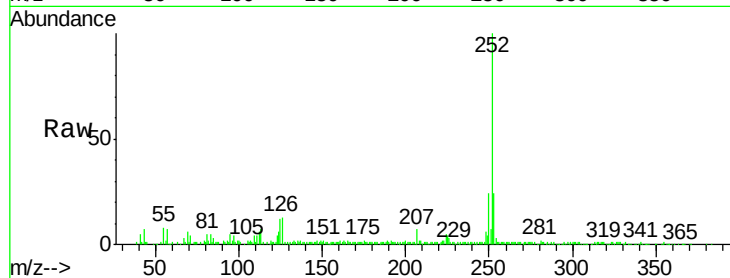




#89
Benzo(k)fluoranthene
Concen: 12.335 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

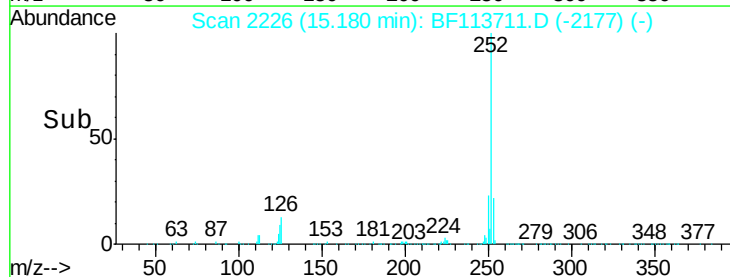
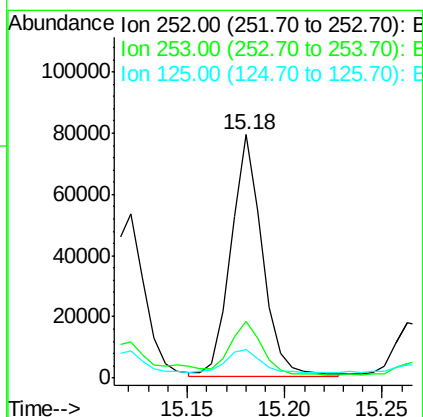
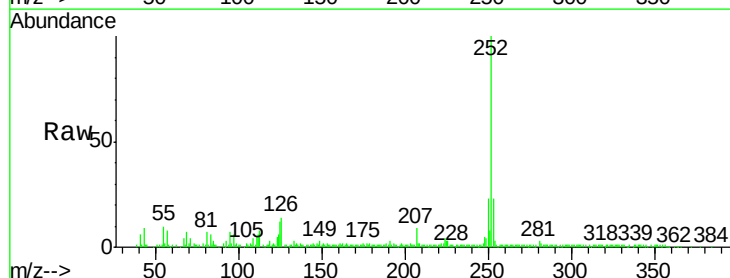
Instrument :
BNA_F
ClientSampled :

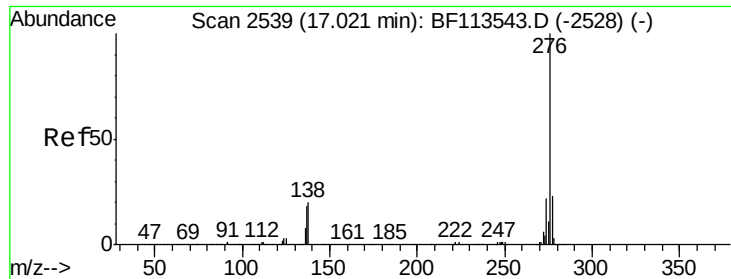
Tot Ion:252 Resp: 170728
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 12.1 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 6.380 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113711.D
Acq: 10 Apr 2019 22:20

Tgt Ion:252 Resp: 87426
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 12.0 8.8 13.2





#92

Benzo(a,h,i)perylene

Concen: 4.223 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BF113711.D

Acq: 10 Apr 2019 22:20

Instrument :

BNA_F

ClientSampleId :

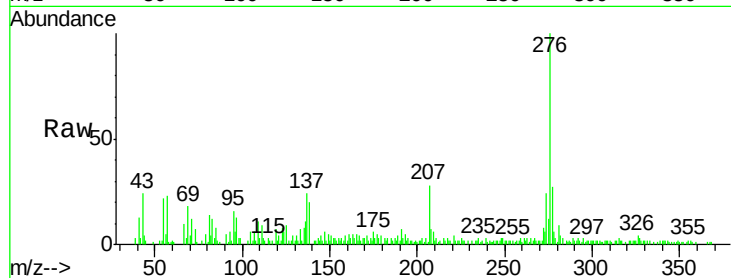
Tot Ion:276 Resp: 55236

Ion Ratio Lower Upper

276 100

277 27.4 18.8 28.2

138 19.9 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

