

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113707.D
 Acq On : 10 Apr 2019 20:23
 Operator : JU/SJ
 Sample : K2200-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:01:18 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

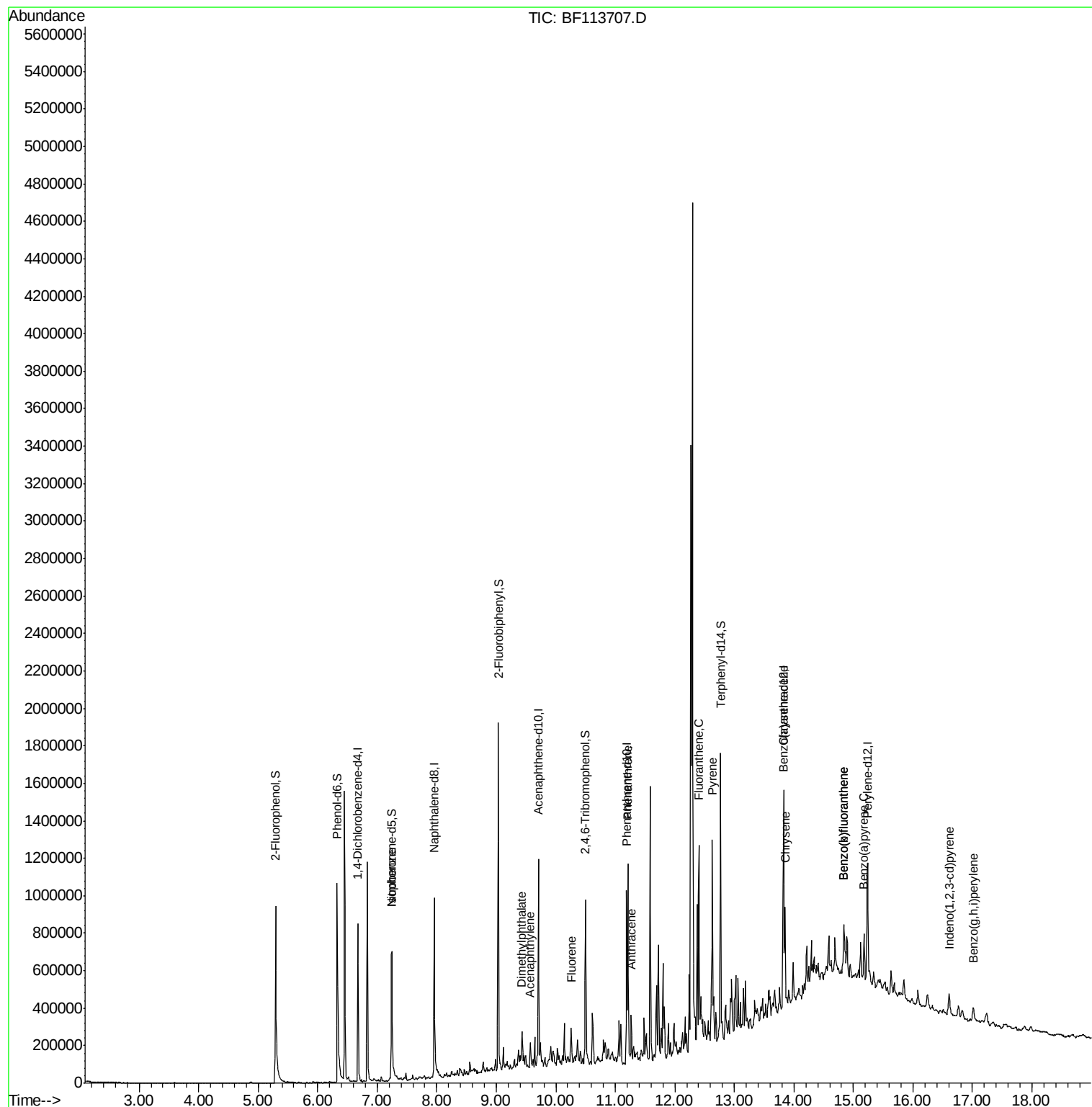
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	136559	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	522775	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	227008	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	370319	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	338942	20.00	ng	-0.02
87) Perylene-d12	15.24	264	240778	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	407804	50.92	ng	0.00
7) Phenol-d6	6.33	99	559022	56.64	ng	0.00
23) Nitrobenzene-d5	7.25	82	307416	34.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	122389	44.88	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	590472	41.87	ng	-0.02
79) Terphenyl-d14	12.77	244	504931	30.33	ng	-0.02
Target Compounds						
25) Isophorone	7.25	82	307482	17.885	ng	Qvalue # 64
49) Acenaphthylene	9.57	152	51906	2.251	ng	98
50) Dimethylphthalate	9.43	163	51964	3.105	ng	99
58) Fluorene	10.26	166	55460	3.621	ng	97
71) Phenanthrene	11.22	178	421755	22.920	ng	98
72) Anthracene	11.27	178	101432	5.418	ng	98
75) Fluoranthene	12.40	202	404578	20.518	ng	99
78) Pyrene	12.63	202	493336	19.129	ng	99
81) Benzo(a)anthracene	13.82	228	220988	11.303	ng	95
83) Chrysene	13.85	228	208591	10.524	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	52300	2.858	ng	99
88) Benzo(b)fluoranthene	14.84	252	198097	13.441	ng	# 92
89) Benzo(k)fluoranthene	14.84	252	198097	14.976	ng	# 91
90) Benzo(a)pyrene	15.18	252	120373	9.191	ng	# 95
92) Benzo(a,h,i)perylene	17.02	276	59320	4.745	ng	94

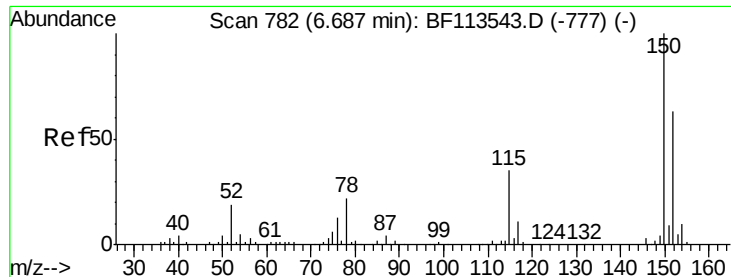
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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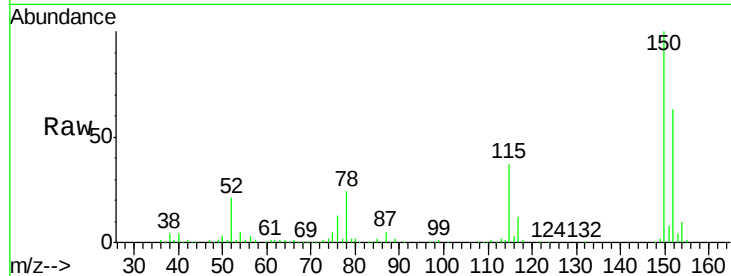


#1

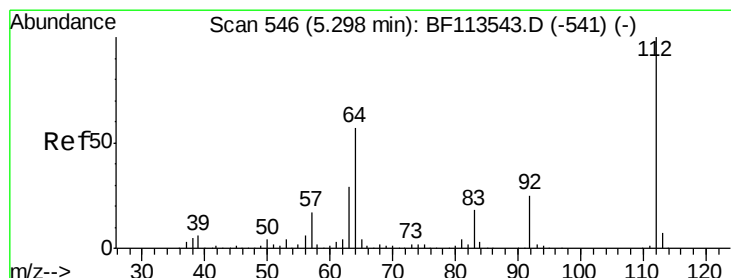
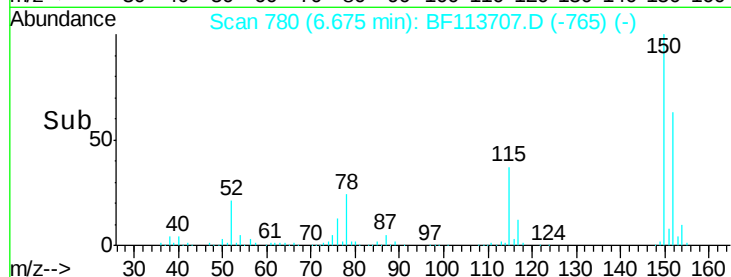
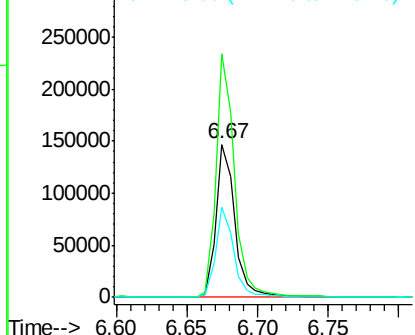
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136559
Ion Ratio Lower Upper
152 100
150 159.4 124.7 187.1
115 58.6 46.0 69.0



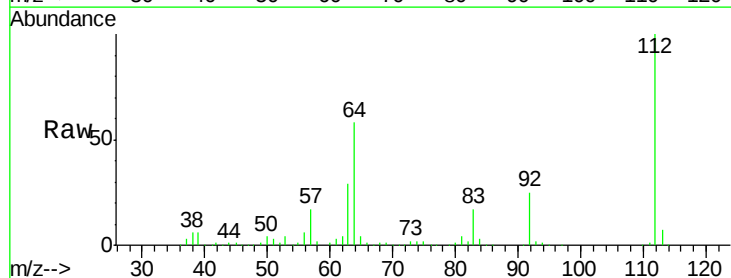
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



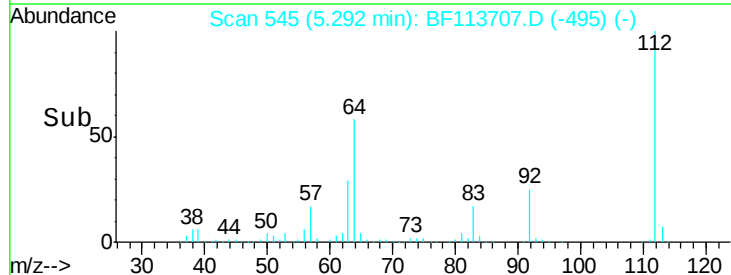
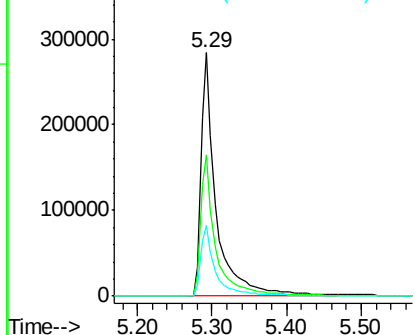
#5

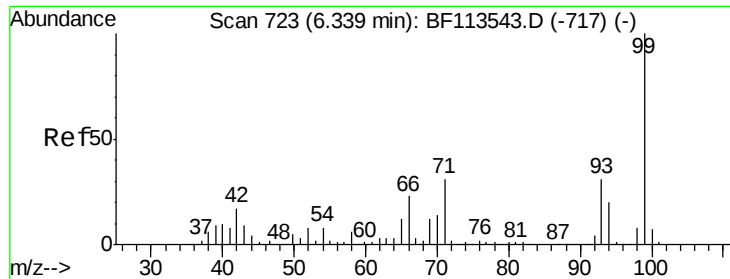
2-Fluorophenol
Concen: 50.923 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion:112 Resp: 407804
Ion Ratio Lower Upper
112 100
64 58.1 49.2 73.8
63 29.0 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: 56.637 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

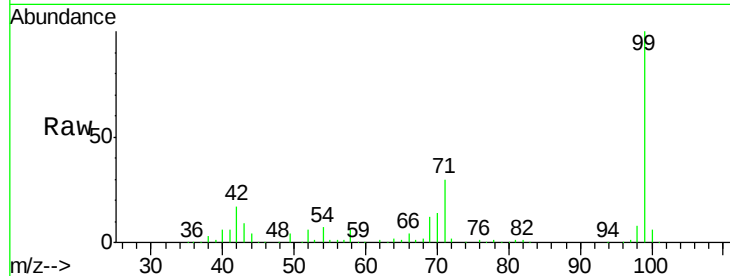
Tot Ion: 99 Resp: 559022

Ion Ratio Lower Upper

99 100

42 16.8 14.8 22.2

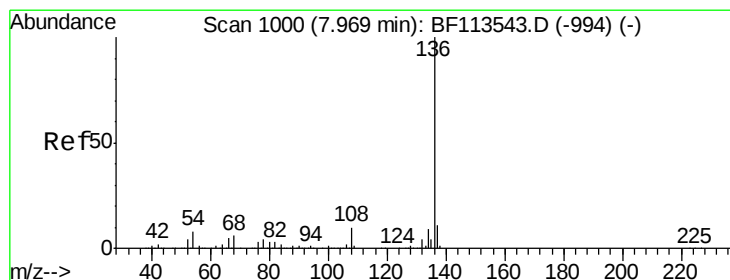
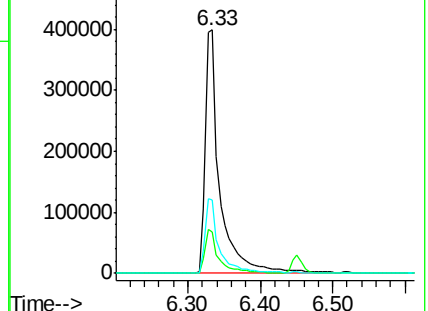
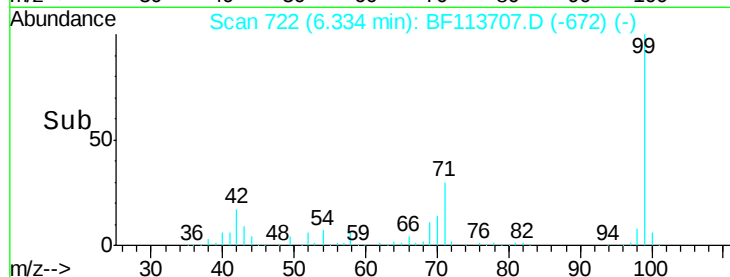
71 30.1 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Tgt Ion: 136 Resp: 522775

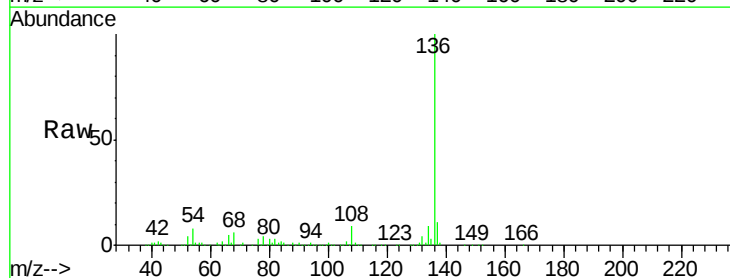
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.5 7.0 10.6

68 6.3 4.8 7.2

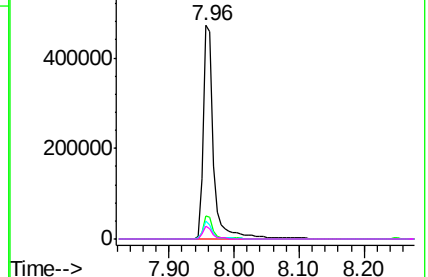
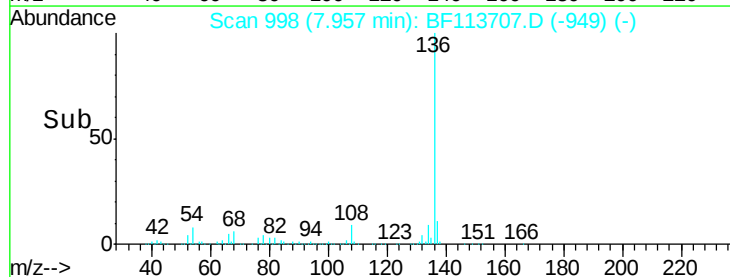


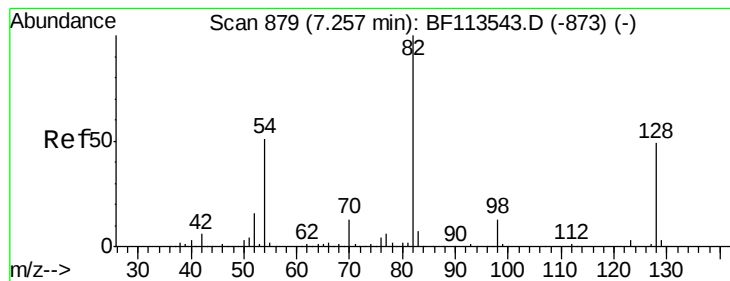
Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.445 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

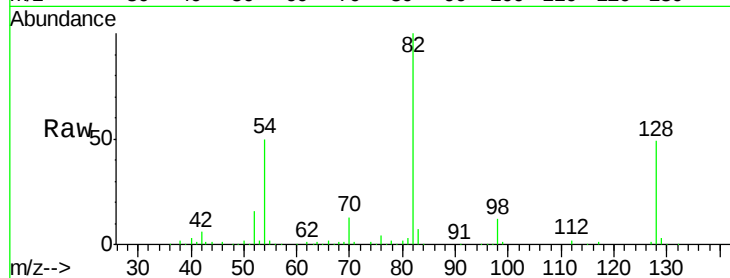
Tot Ion: 82 Resp: 307416

Ion Ratio Lower Upper

82 100

128 49.3 36.5 54.7

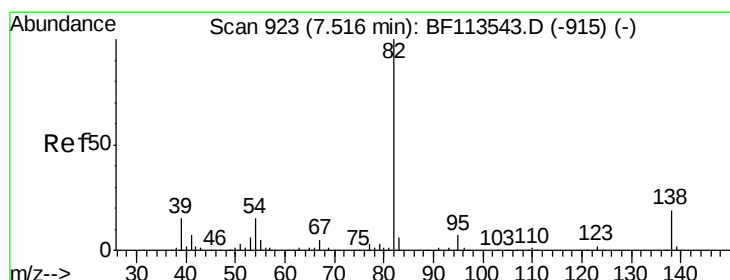
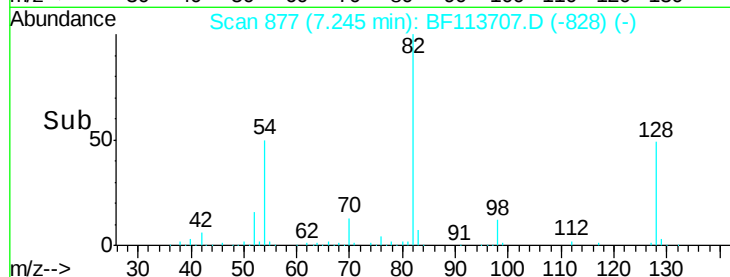
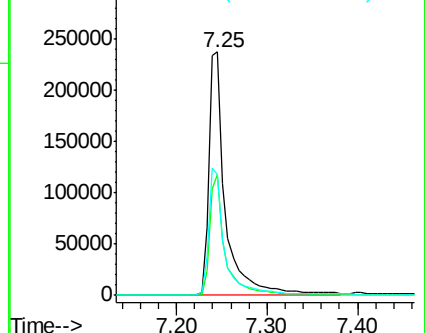
54 49.5 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 17.885 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

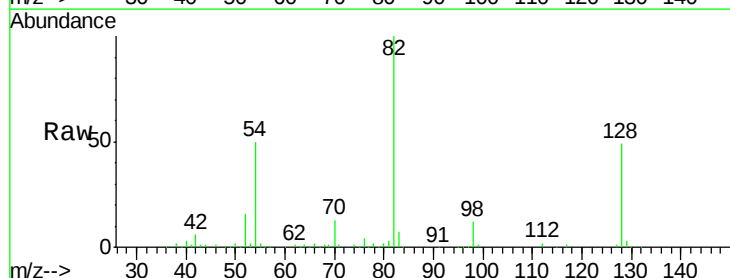
Tgt Ion: 82 Resp: 307482

Ion Ratio Lower Upper

82 100

95 0.3 5.5 8.3#

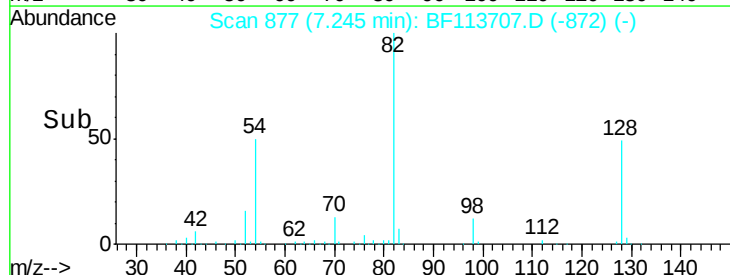
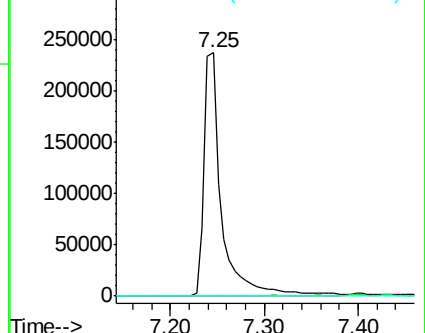
138 0.0 15.2 22.8#

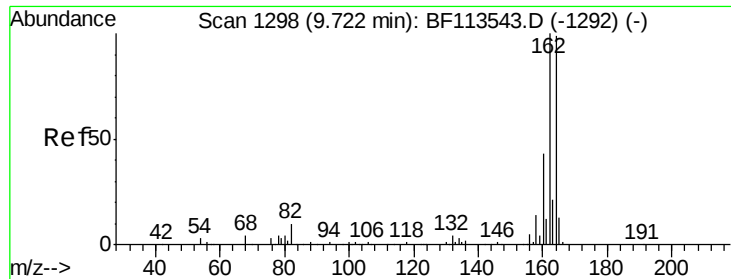


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

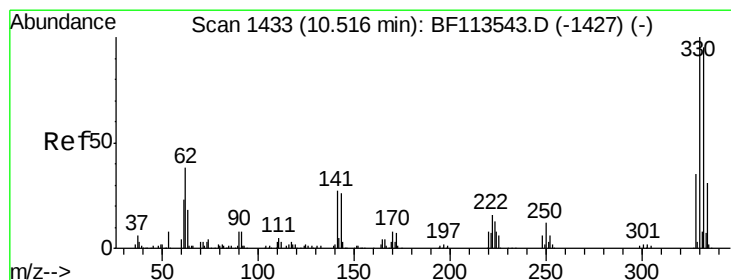
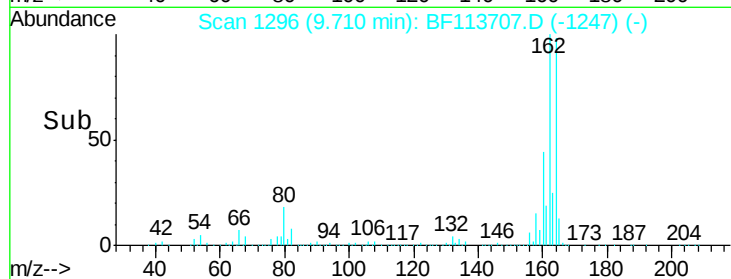
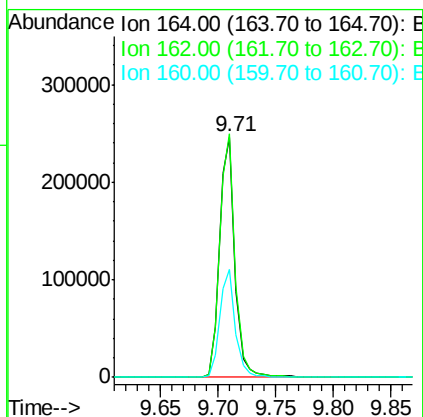
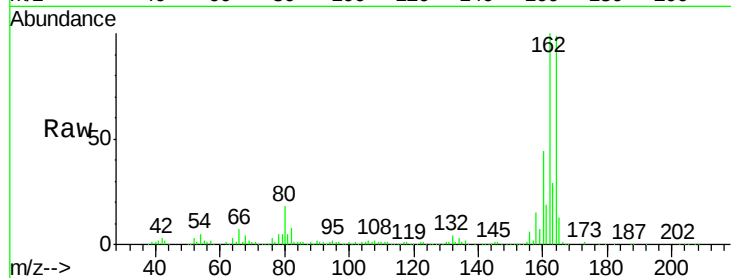




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

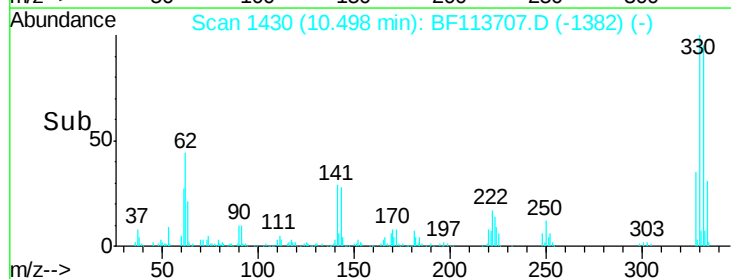
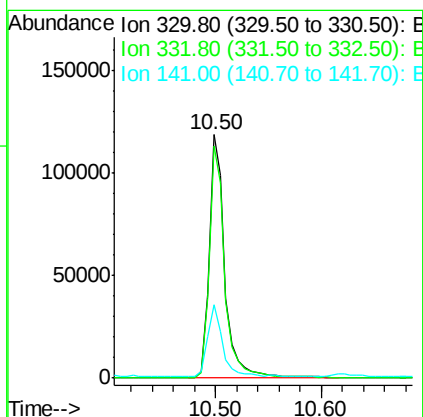
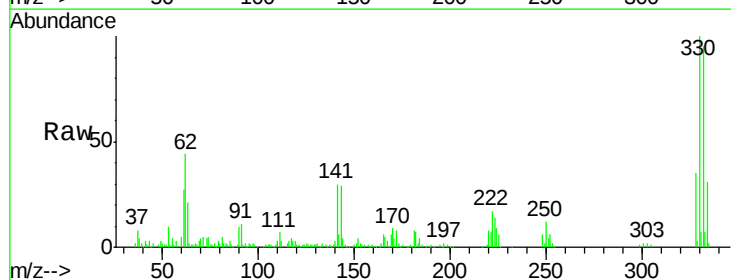
Instrument :
BNA_F
ClientSampleId :

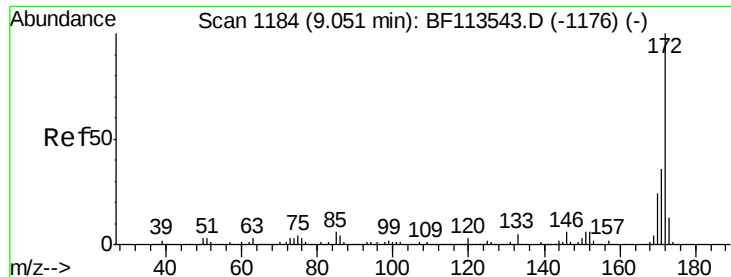
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.6
160	45.0	36.4	54.6



#42
2,4,6-Tribromophenol
Concen: 44.882 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.8	116.6
141	28.1	22.7	34.1

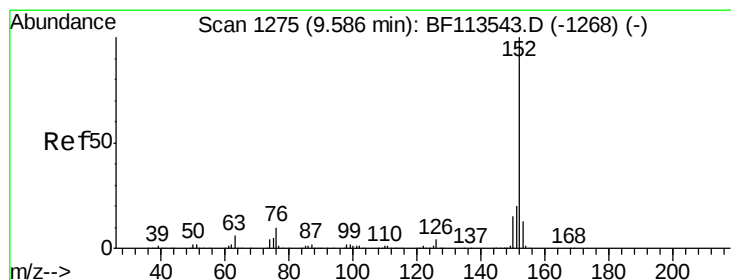
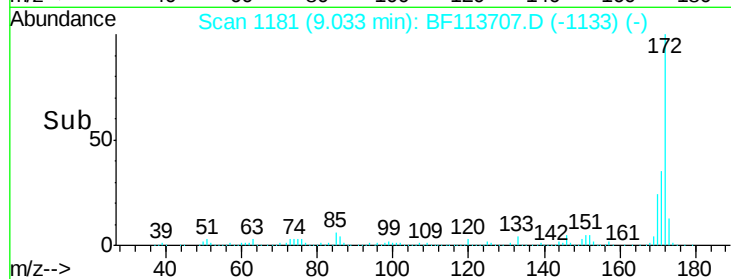
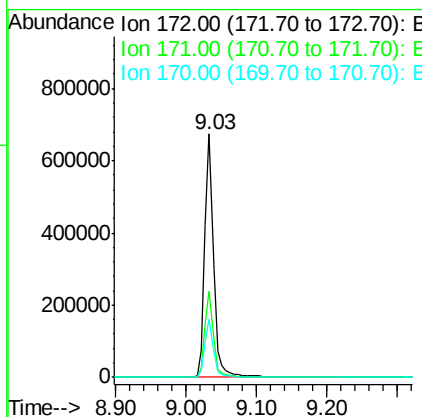
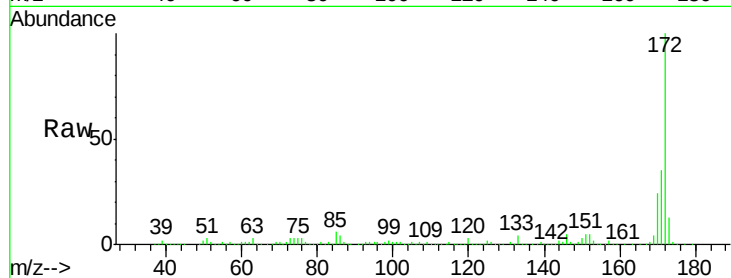




#45
2-Fluorobiphenyl
Concen: 41.875 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

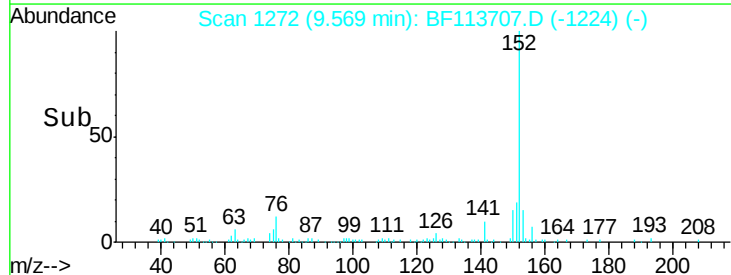
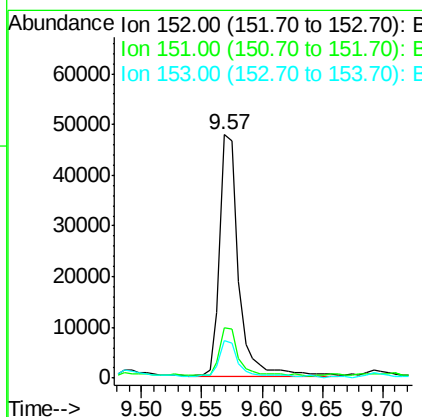
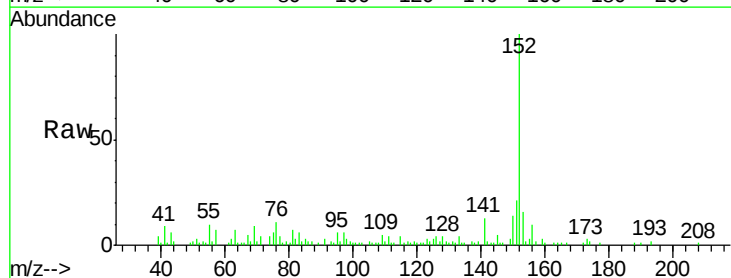
Instrument :
BNA_F
ClientSampled :

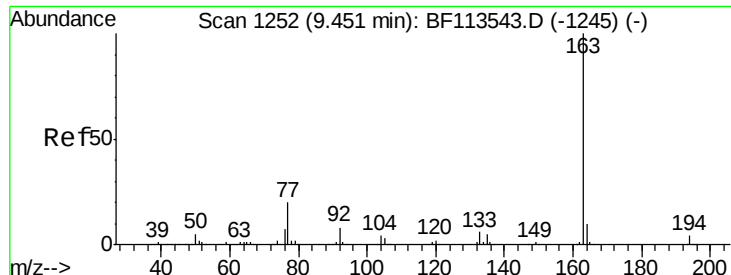
Tot Ion:172 Resp: 590472
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 23.6 19.5 29.3



#49
Acenaphthylene
Concen: 2.251 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion:152 Resp: 51906
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 15.6 11.0 16.6

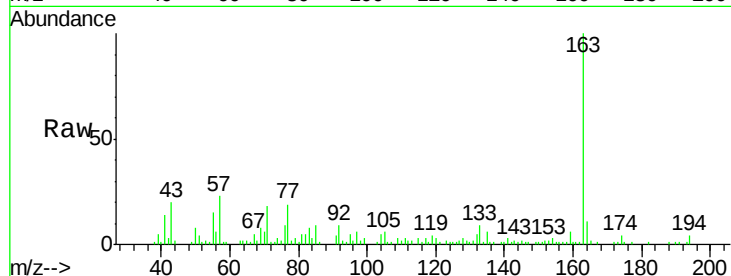




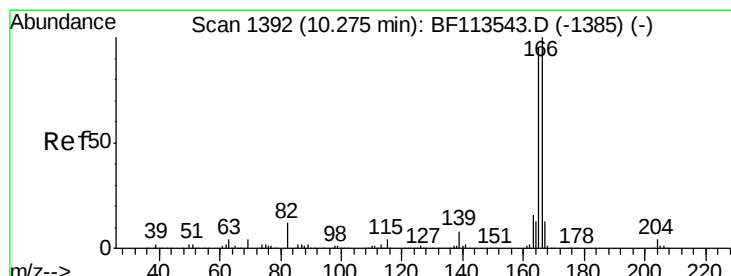
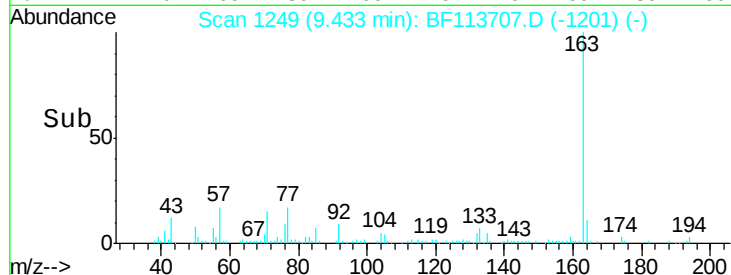
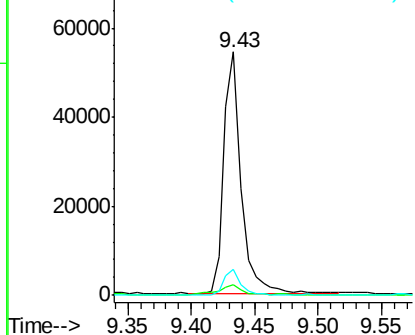
#50
Dimethylphthalate
Concen: 3.105 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 51964
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.5 8.1 12.1

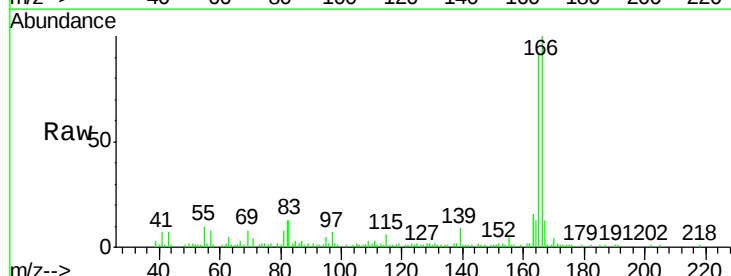


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

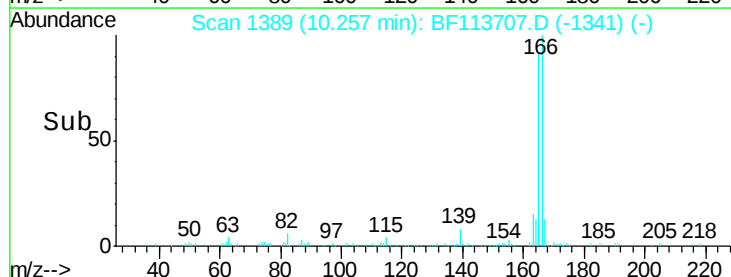
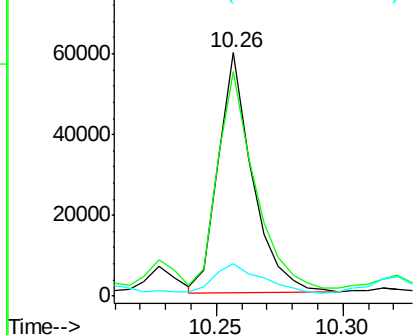


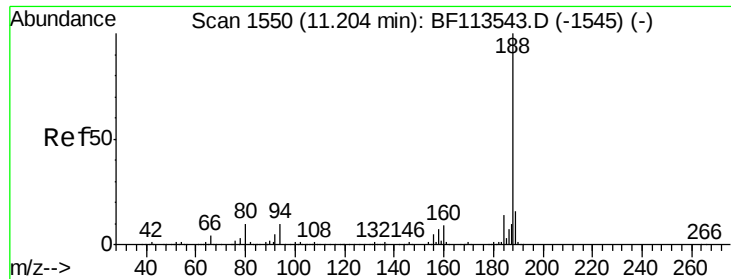
#58
Fluorene
Concen: 3.621 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion:166 Resp: 55460
Ion Ratio Lower Upper
166 100
165 92.4 76.2 114.2
167 13.4 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

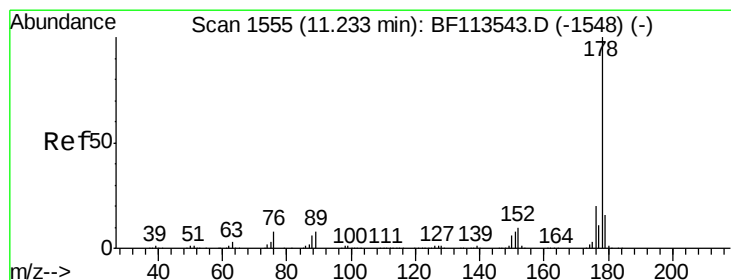
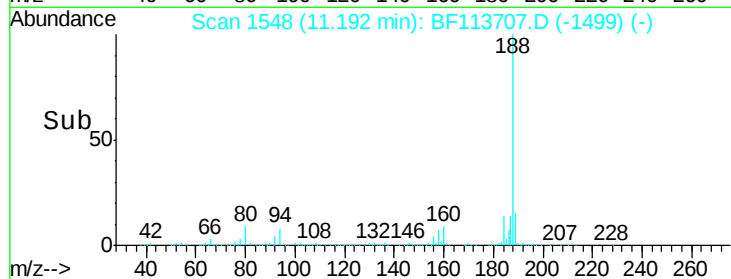
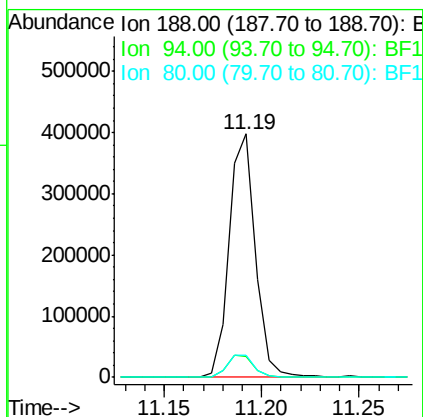
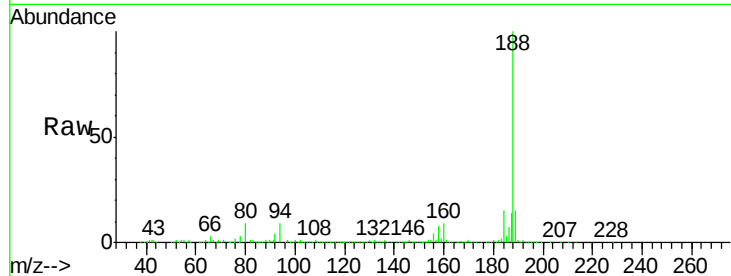




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

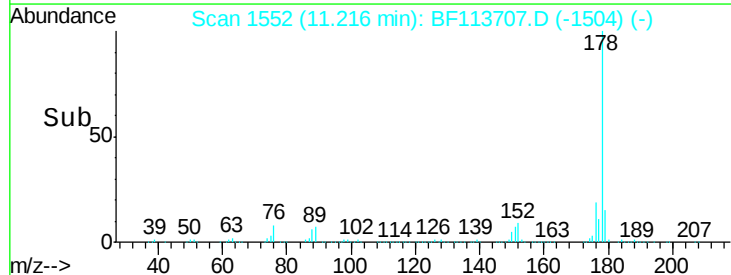
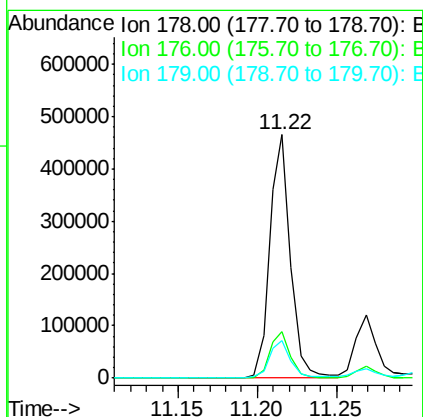
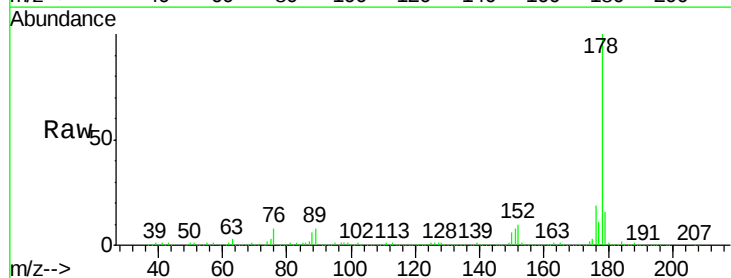
Instrument :
BNA_F
ClientSampleId :

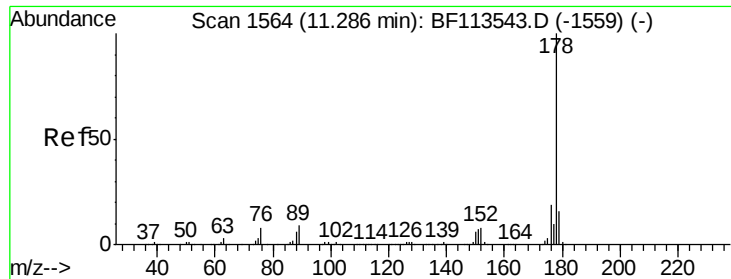
Tot Ion:188 Resp: 370319
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 8.9 7.7 11.5



#71
Phenanthrene
Concen: 22.920 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion:178 Resp: 421755
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.7 12.7 19.1





#72

Anthracene

Concen: 5.418 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

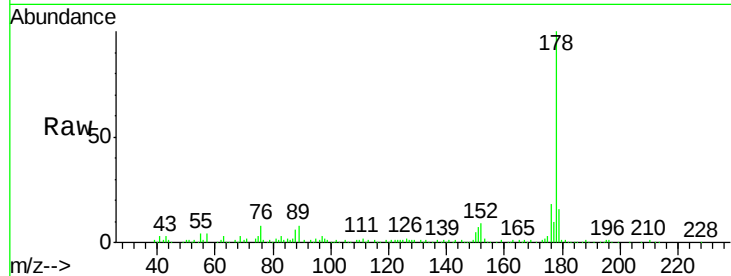
Tot Ion:178 Resp: 101432

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

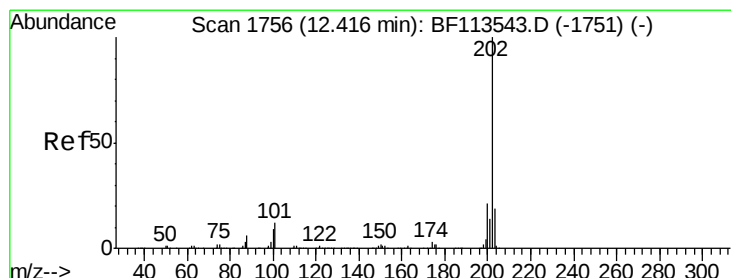
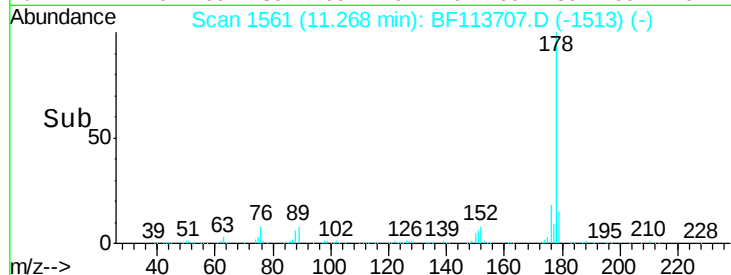
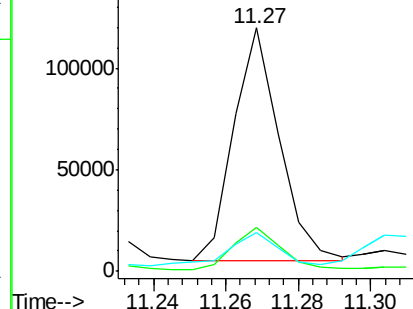
179 16.0 12.8 19.2



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: 20.518 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

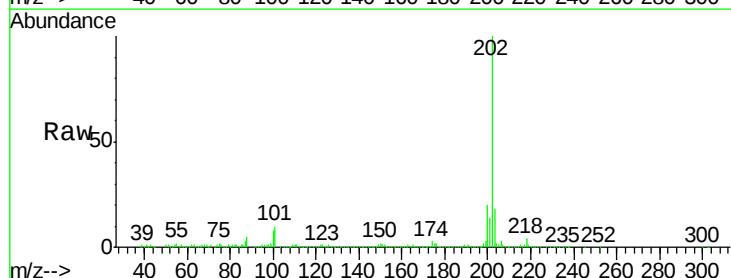
Tgt Ion:202 Resp: 404578

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

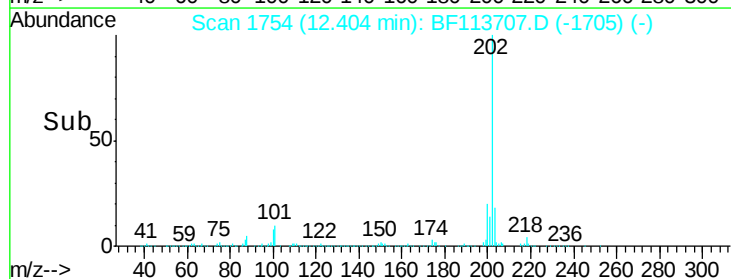
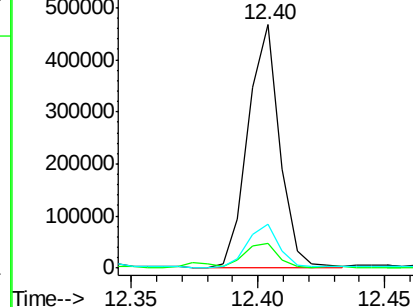
203 18.0 0.0 38.0

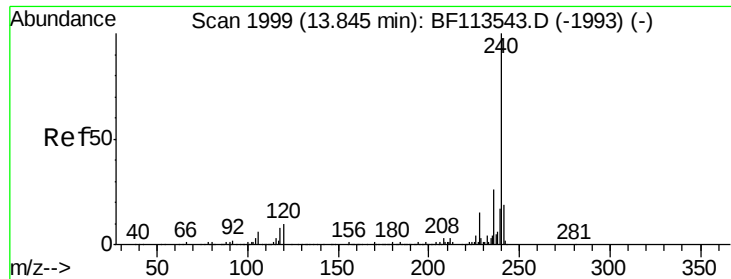


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

ClientSampled :

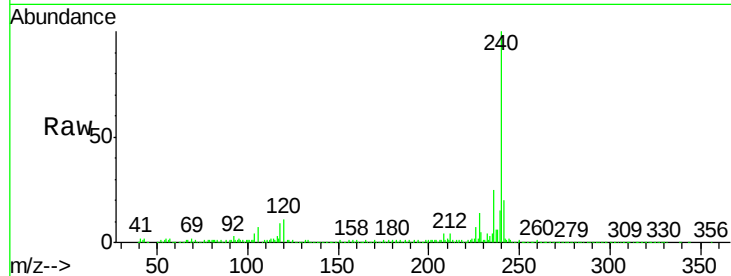
Tot Ion:240 Resp: 338942

Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

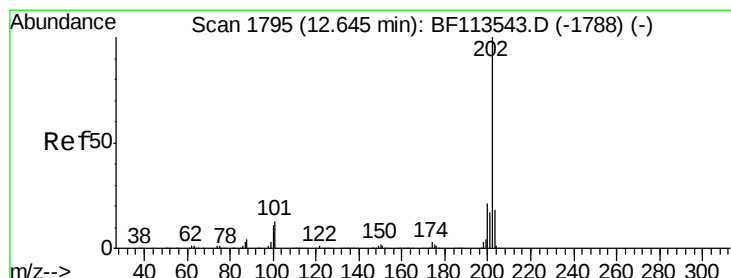
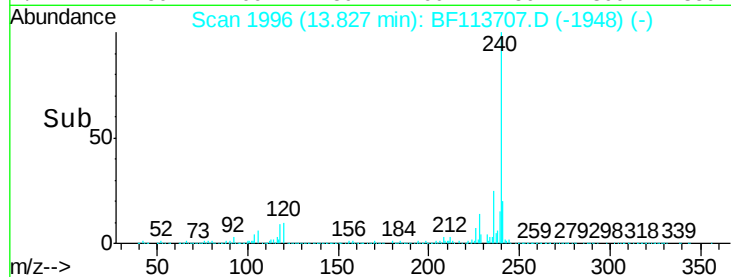
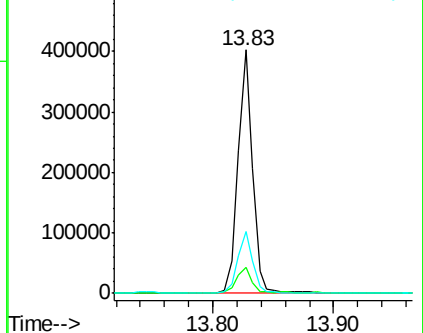
236 25.4 20.9 31.3



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

Pyrene

Concen: 19.129 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

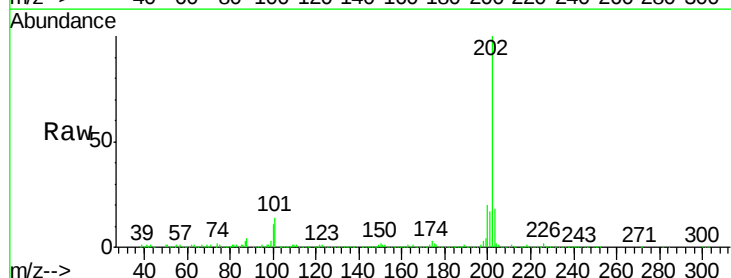
Tgt Ion:202 Resp: 493336

Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

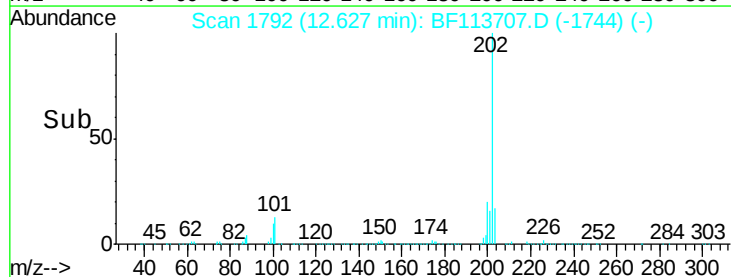
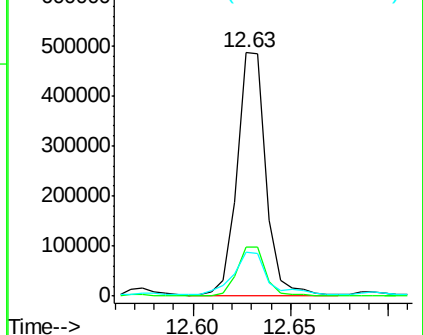
203 18.1 14.4 21.6

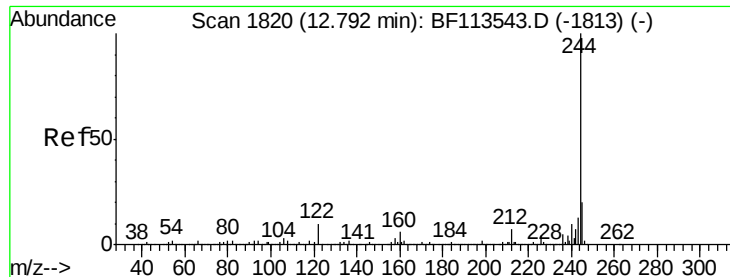


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 30.331 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

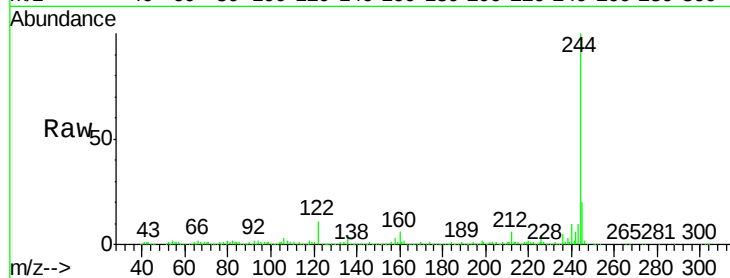
Tot Ion:244 Resp: 504931

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

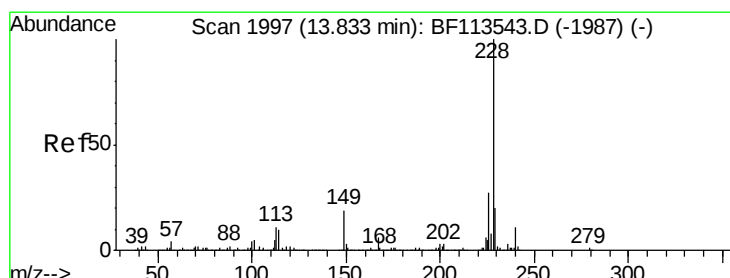
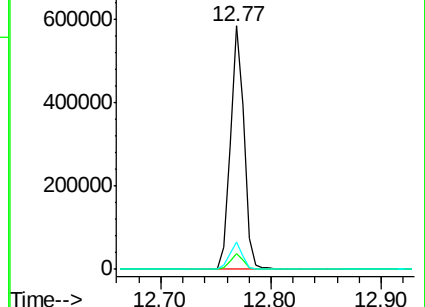
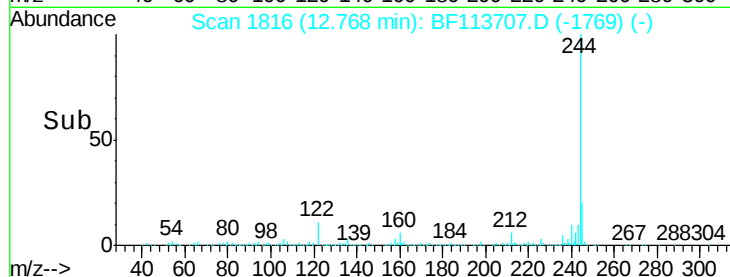
122 11.1 8.6 13.0



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: 11.303 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

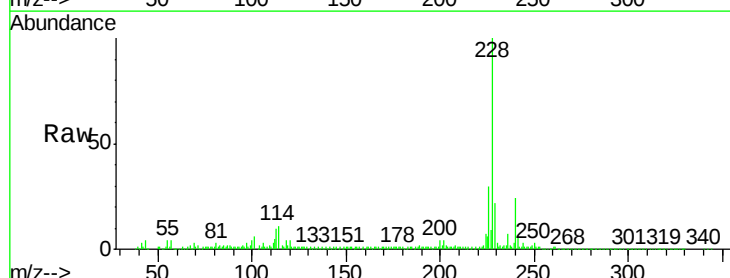
Tgt Ion:228 Resp: 220988

Ion Ratio Lower Upper

228 100

226 29.7 21.8 32.8

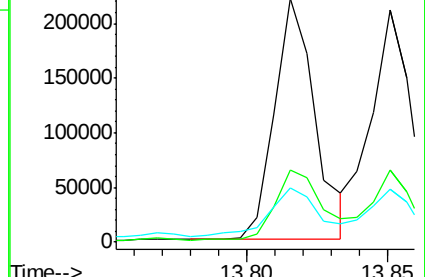
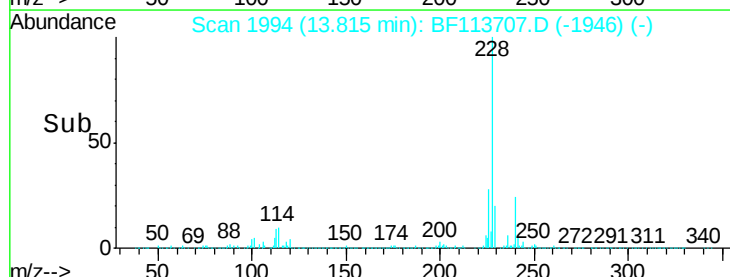
229 22.4 16.2 24.4

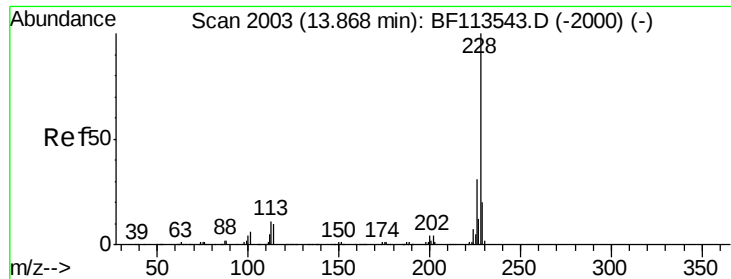


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

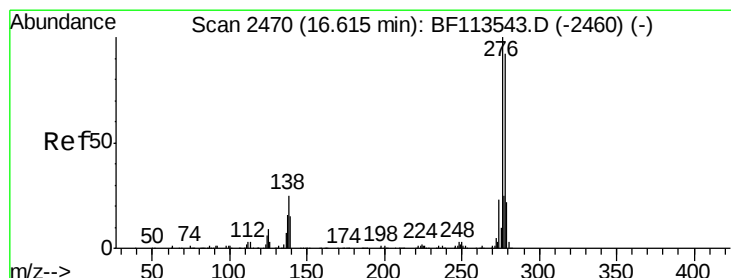
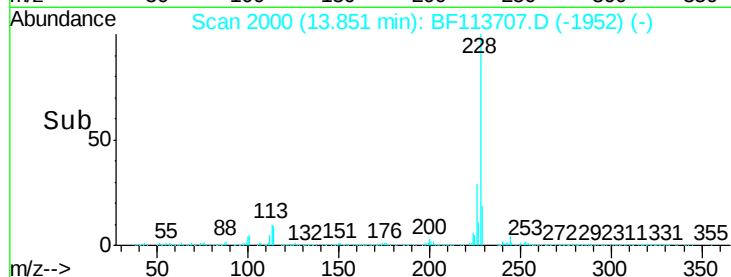
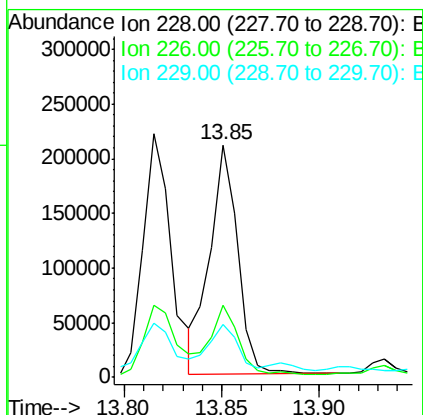
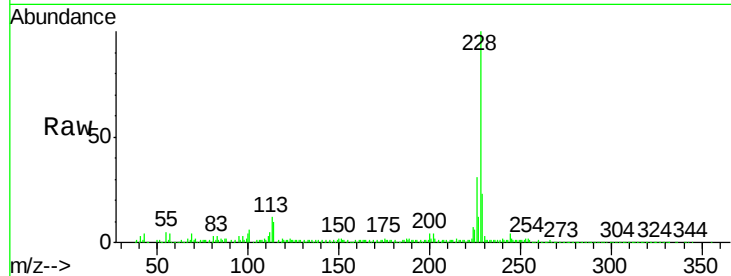




#83
Chrysene
Concen: 10.524 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

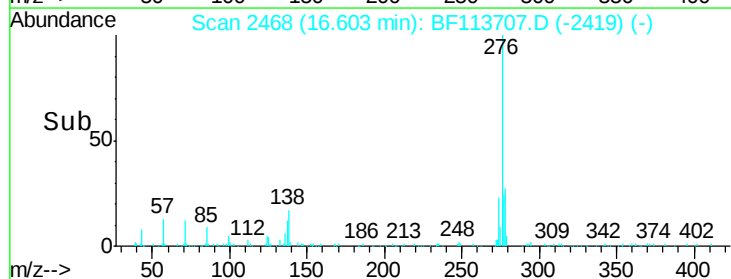
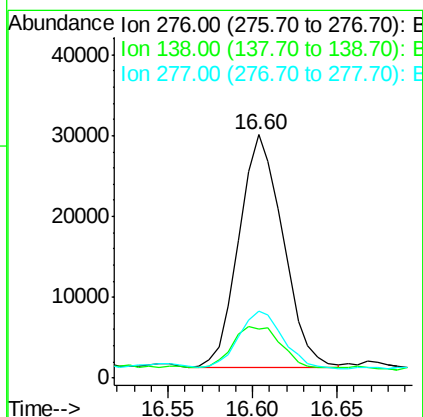
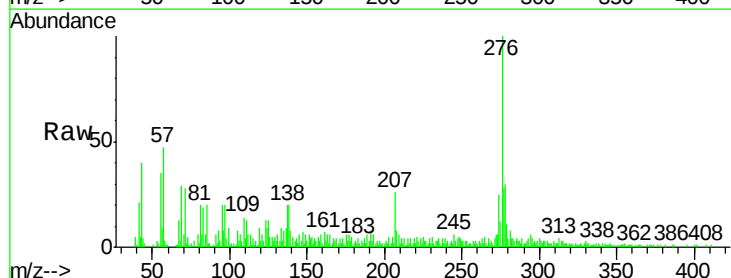
Instrument :
BNA_F
ClientSampleId :

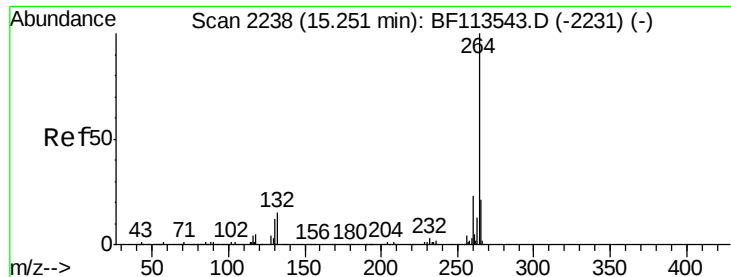
Tot Ion:228 Resp: 208591
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 22.5 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.858 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion:276 Resp: 52300
Ion Ratio Lower Upper
276 100
138 21.8 18.1 27.1
277 25.1 20.2 30.4

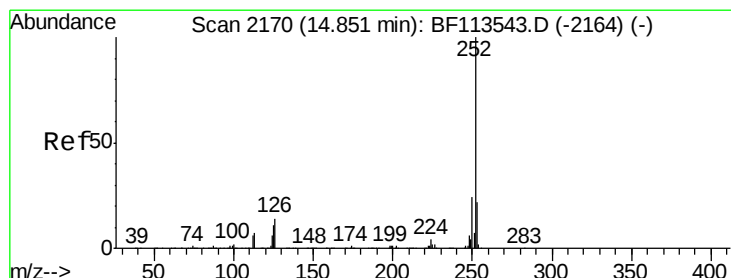
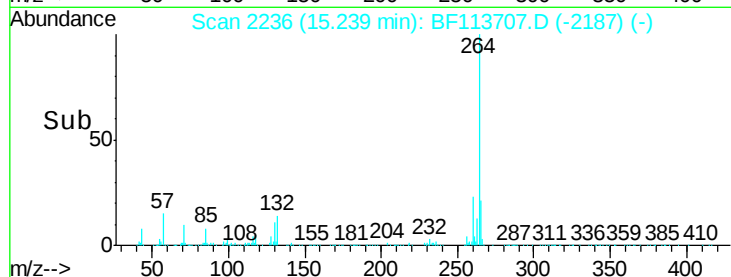
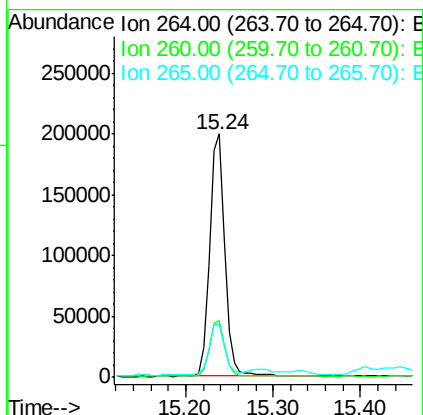
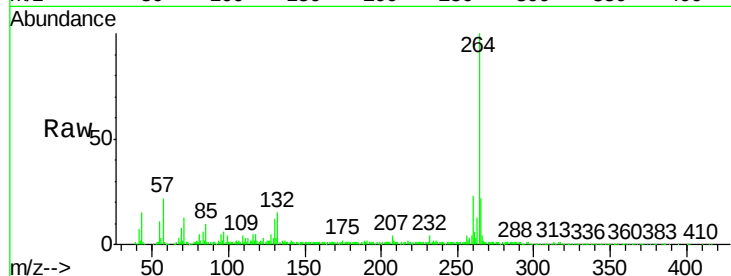




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

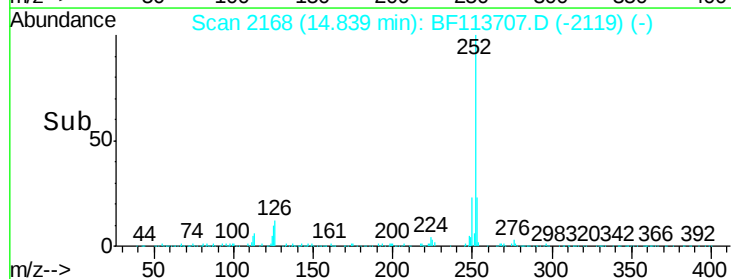
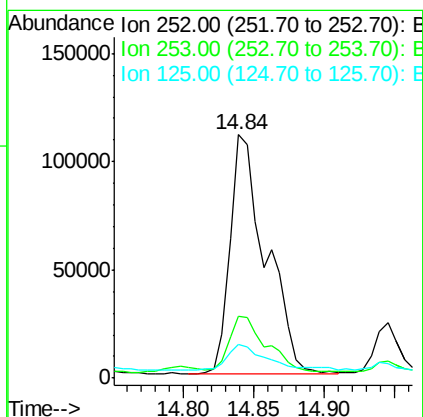
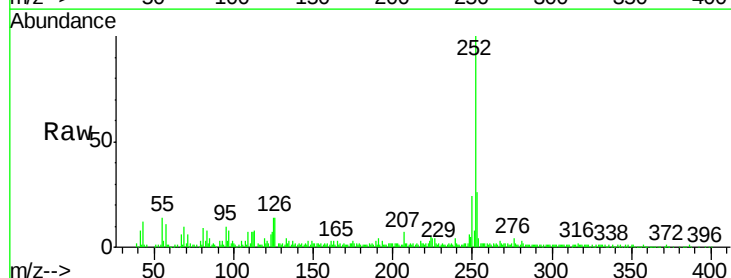
Instrument :
BNA_F
ClientSampleId :

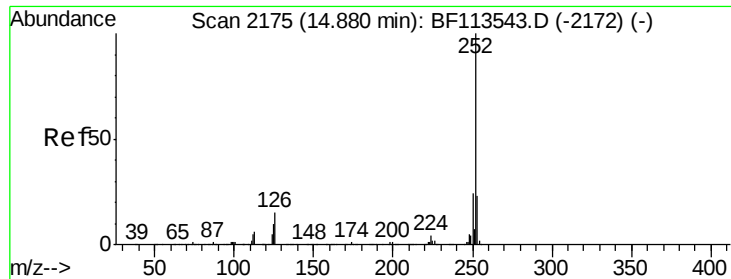
Tot Ion:264 Resp: 240778
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 21.9 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 13.441 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion:252 Resp: 198097
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 13.7 7.6 11.4#

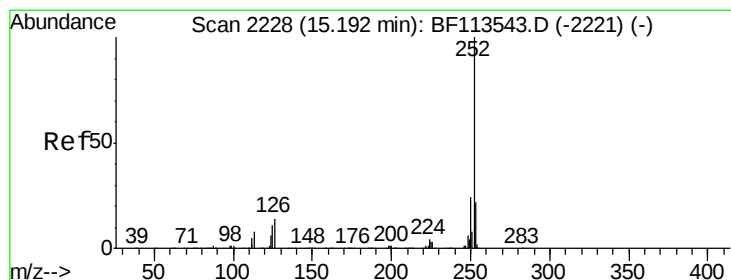
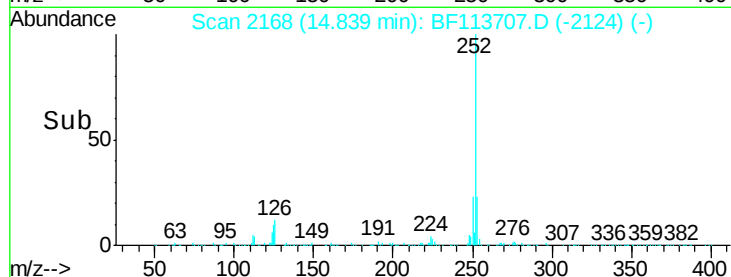
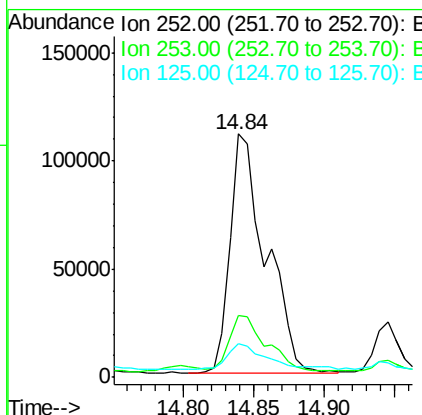
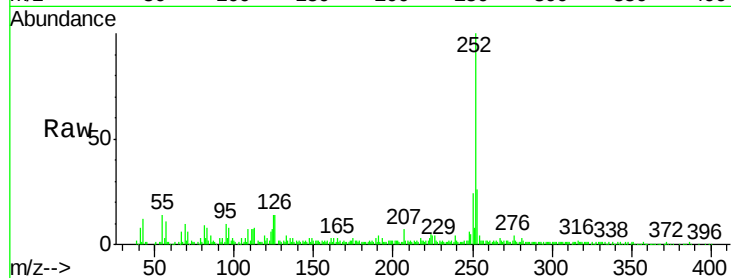




#89
Benzo(k)fluoranthene
Concen: 14.976 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

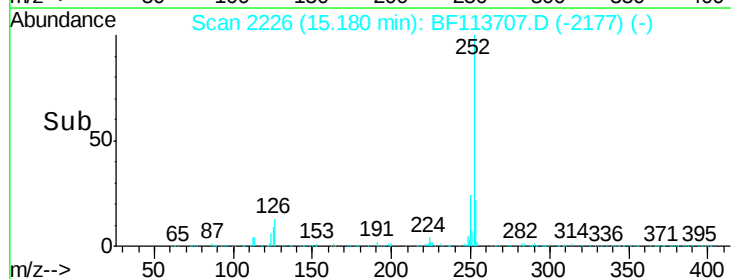
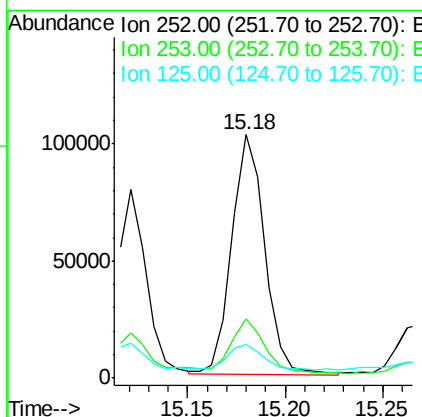
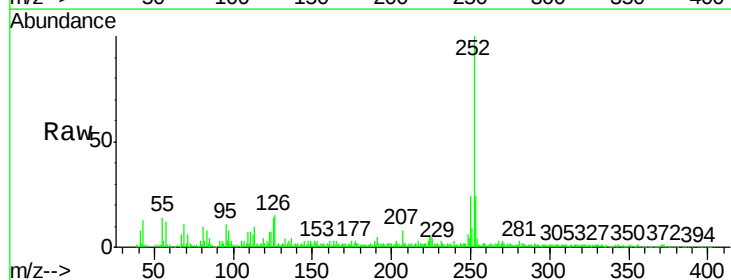
Instrument :
BNA_F
ClientSampleId :

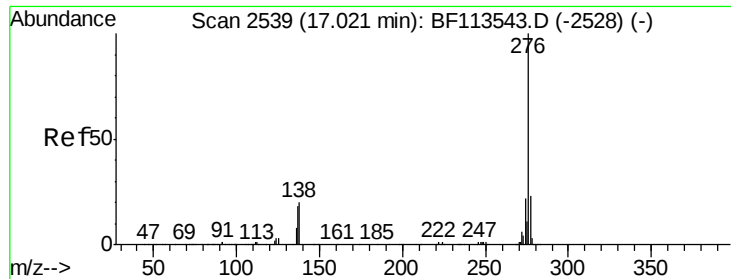
Tot Ion:252 Resp: 198097
Ion Ratio Lower Upper
252 100
253 25.6 17.7 26.5
125 13.7 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 9.191 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion:252 Resp: 120373
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 13.9 8.8 13.2#





#92
 Benzo(a,h,i)perylene
 Concen: 4.745 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BF113707.D
 Acq: 10 Apr 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.8	18.8	28.2	
138	21.7	15.6	23.4	

