

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113997.D
 Acq On : 25 Apr 2019 23:58
 Operator : JU/SJ
 Sample : K2203-19 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 04:03:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	106249	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	428965	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	235033	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	493255	20.00	ng	0.00
76) Chrysene-d12	14.05	240	377530	20.00	ng	-0.02
87) Perylene-d12	15.54	264	382945	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	307844	49.56	ng	0.00
7) Phenol-d6	6.52	99	406202	52.12	ng	0.00
23) Nitrobenzene-d5	7.45	82	242334	34.88	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	146676	51.23	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	469513	31.24	ng	0.00
79) Terphenyl-d14	13.00	244	602075	32.69	ng	0.00

Target Compounds

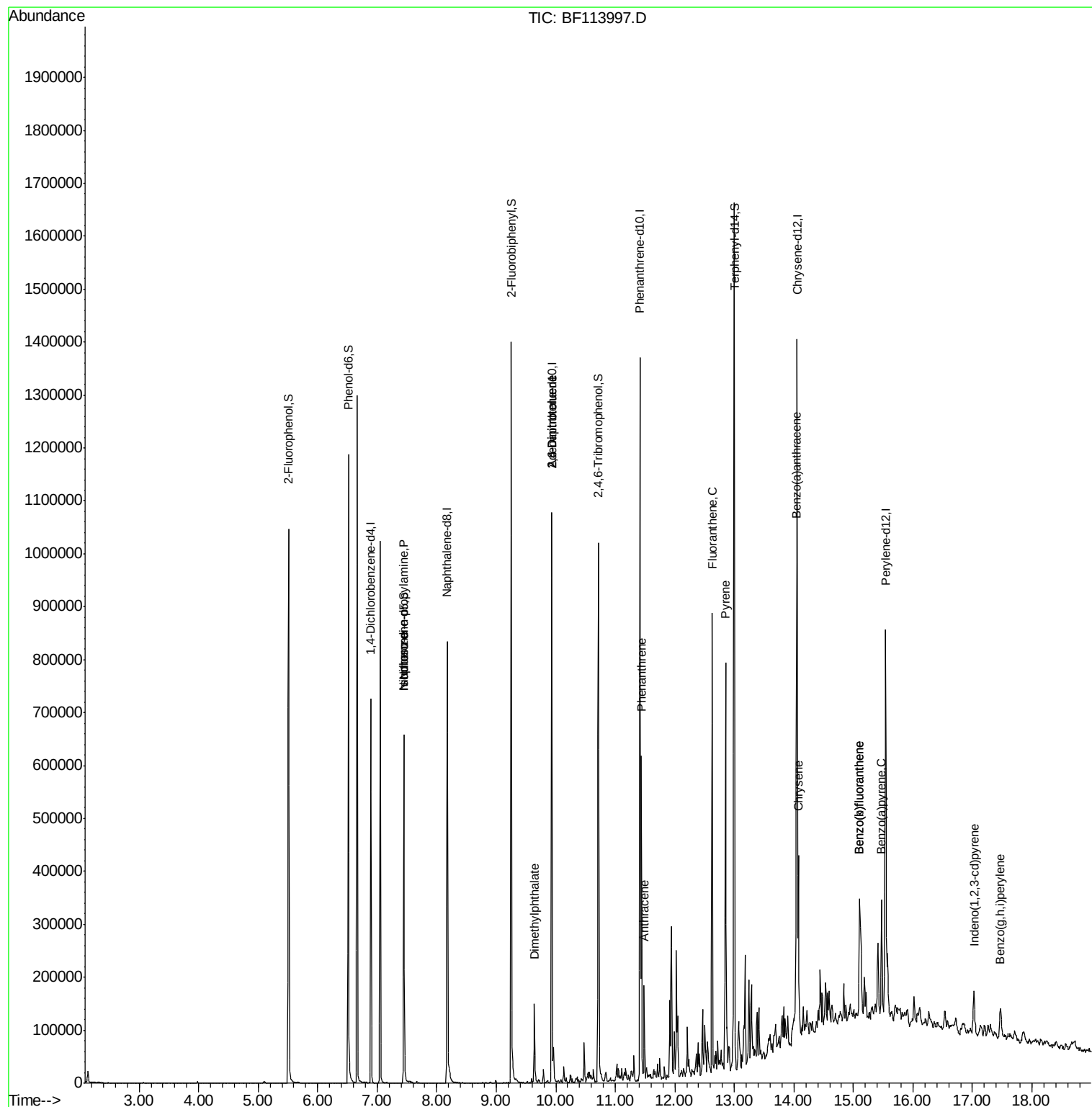
						Qvalue
9) Benzaldehyde	6.52	77	548	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	30231	5.990 ng	#	76
25) Isophorone	7.45	82	242353	17.048 ng	#	65
50) Dimethylphthalate	9.64	163	73289	4.312 ng		99
51) 2,6-Dinitrotoluene	9.93	165	30602	8.392 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	30603	6.649 ng	#	29
71) Phenanthrene	11.44	178	213685	8.620 ng		98
72) Anthracene	11.49	178	78221	3.125 ng		97
75) Fluoranthene	12.63	202	322212	11.914 ng		96
78) Pyrene	12.86	202	323522	12.254 ng		97
81) Benzo(a)anthracene	14.04	228	154008	6.924 ng		98
83) Chrysene	14.07	228	135426	6.251 ng		96
86) Indeno(1,2,3-cd)pyrene	17.02	276	54879	2.674 ng		95
88) Benzo(b)fluoranthene	15.10	252	180081	7.433 ng	#	97
89) Benzo(k)fluoranthene	15.10	252	180081	8.641 ng		98
90) Benzo(a)pyrene	15.47	252	107098	5.110 ng		99
92) Benzo(a,h,i)perylene	17.47	276	50996	2.569 ng		97

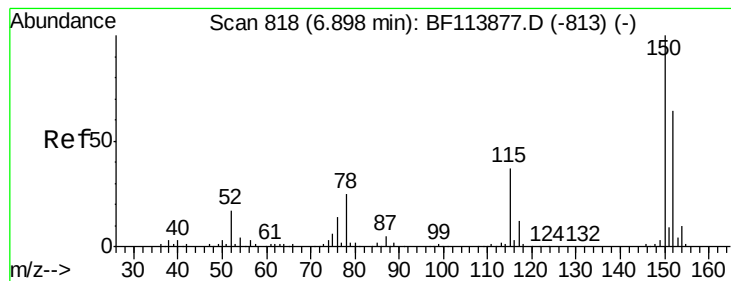
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113997.D
Acq On : 25 Apr 2019 23:58
Operator : JU/SJ
Sample : K2203-19 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 26 04:03:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration

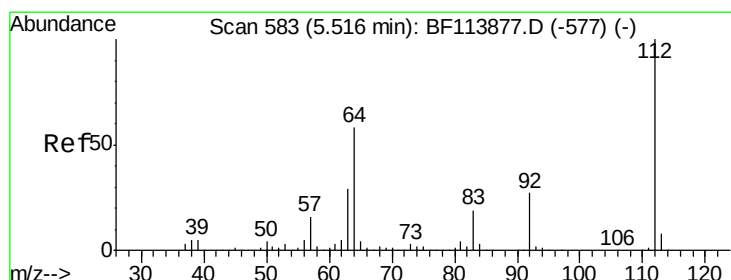
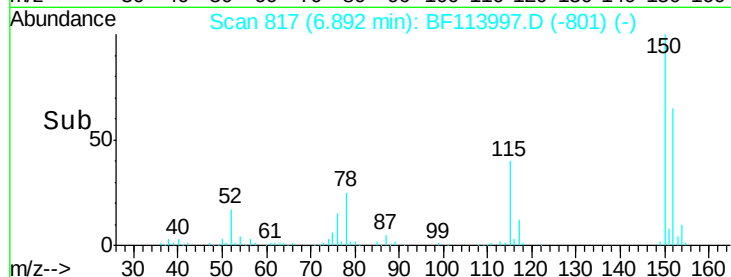
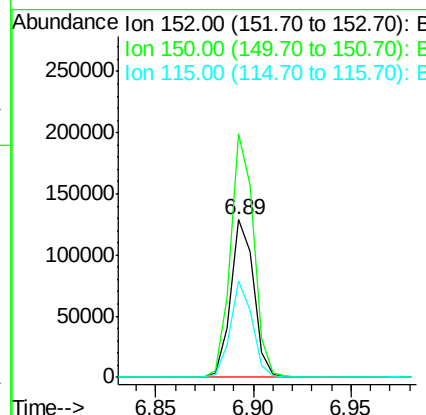
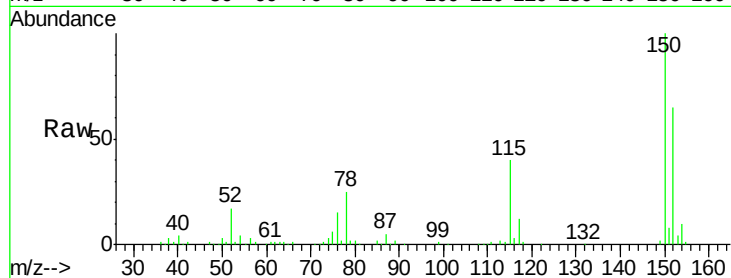




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113997.D
 Acq: 25 Apr 2019 23:58

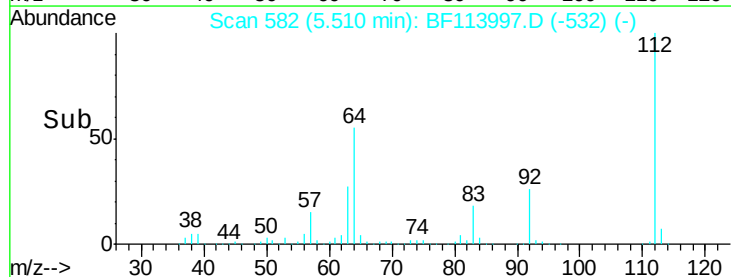
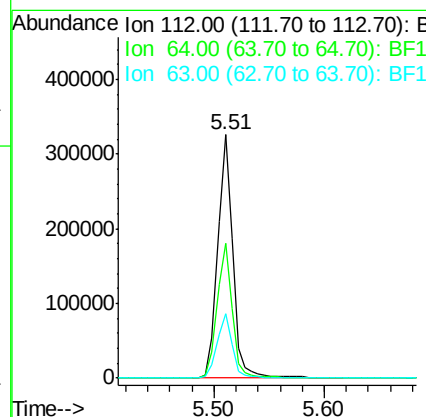
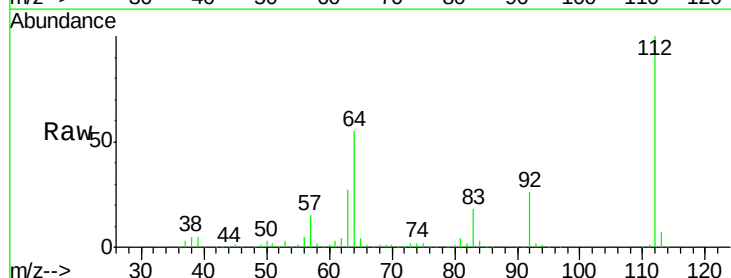
Instrument :
 BNA_F
 ClientSampled :

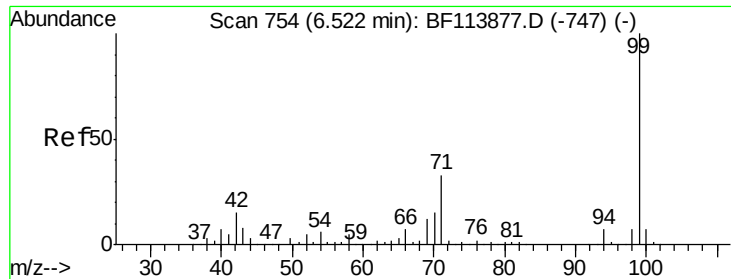
Tot Ion:152 Resp: 106249
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.9 188.9
 115 61.2 45.9 68.9



#5
 2-Fluorophenol
 Concen: 49.556 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF113997.D
 Acq: 25 Apr 2019 23:58

Tgt Ion:112 Resp: 307844
 Ion Ratio Lower Upper
 112 100
 64 55.2 46.6 69.8
 63 26.6 23.1 34.7





#7

Phenol-d6

Concen: 52.118 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

ClientSampled :

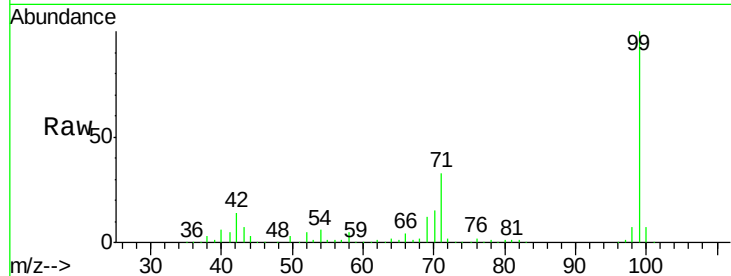
Tot Ion: 99 Resp: 406202

Ion Ratio Lower Upper

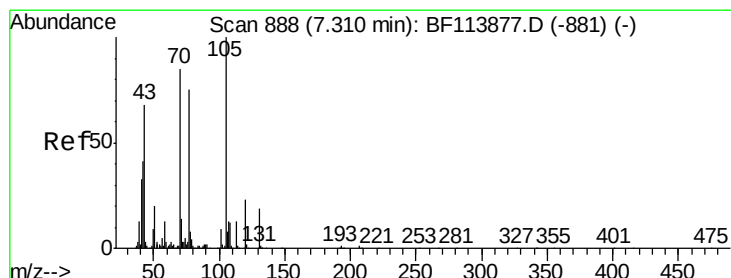
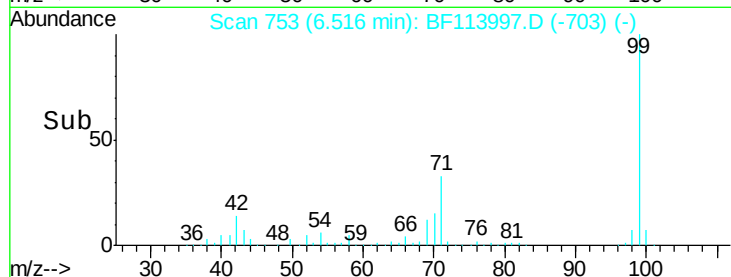
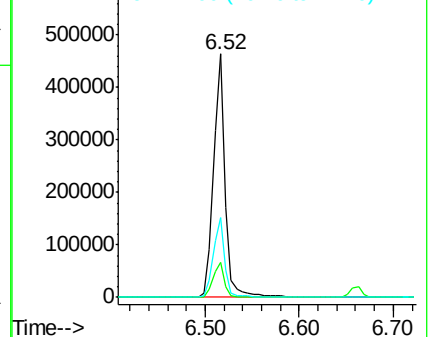
99 100

42 14.2 12.5 18.7

71 32.8 26.9 40.3



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: 5.990 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Tgt Ion: 70 Resp: 30231

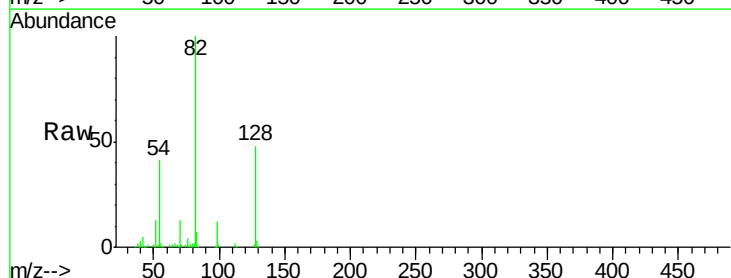
Ion Ratio Lower Upper

70 100

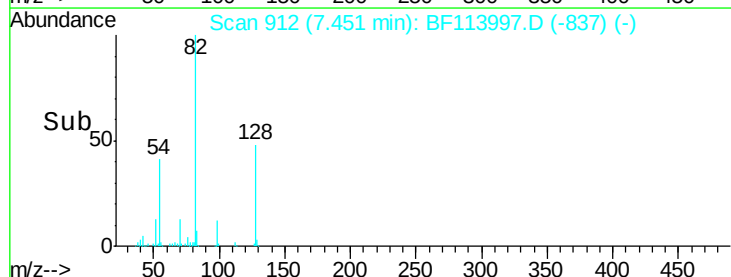
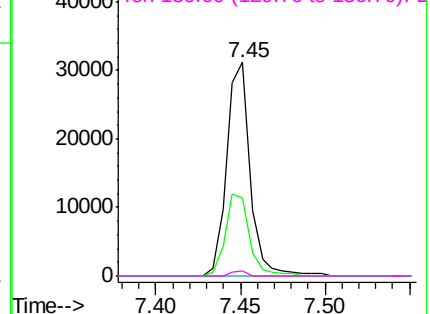
42 36.5 37.3 55.9#

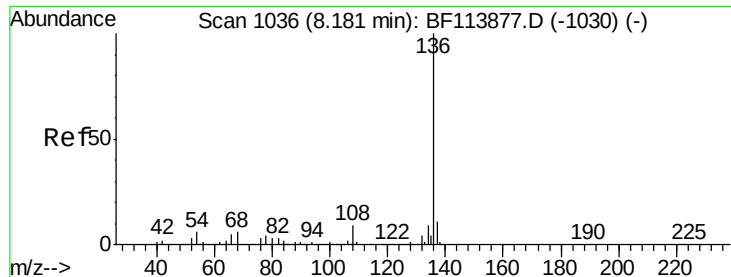
101 0.0 7.8 11.8#

130 2.5 18.2 27.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

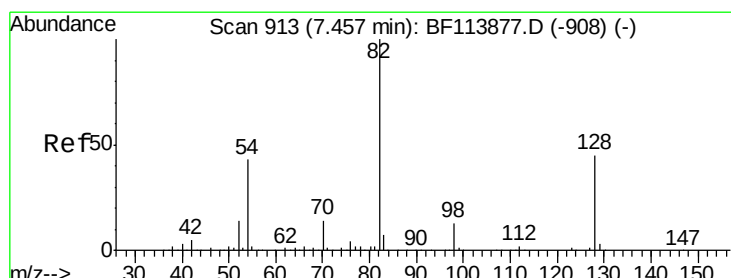
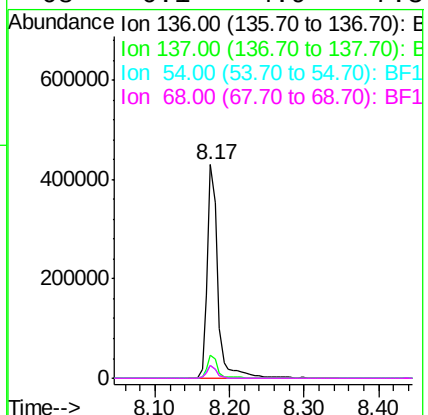
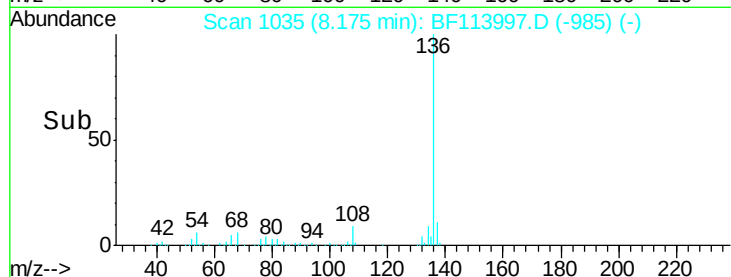
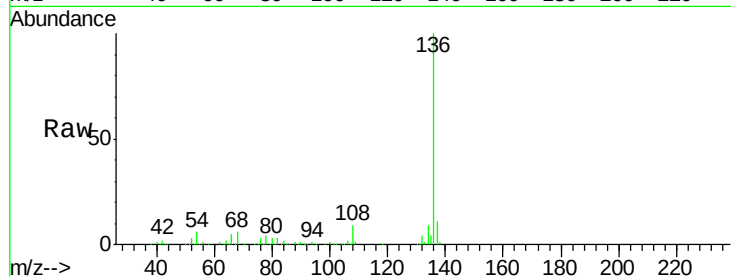




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

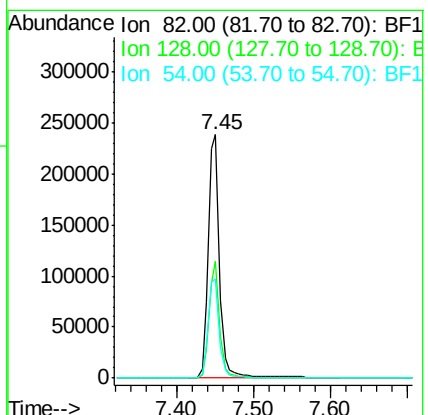
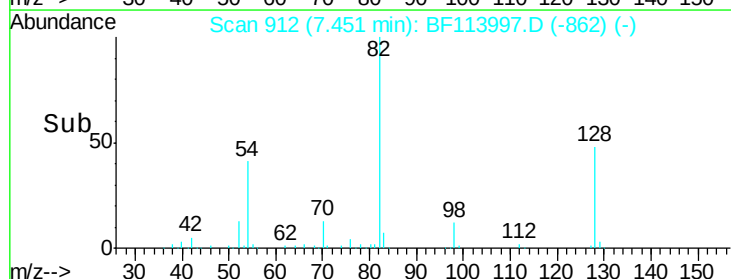
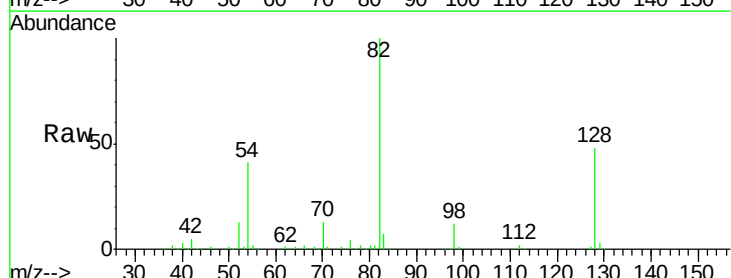
Instrument :
BNA_F
ClientSampleId :

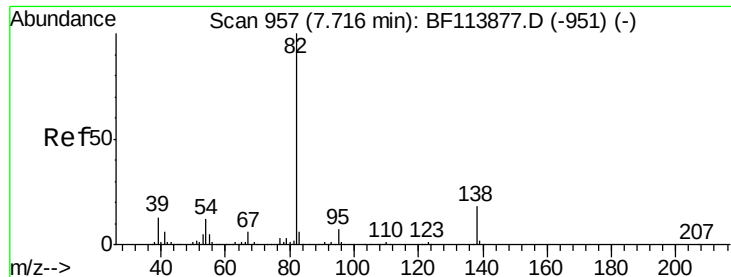
Tot Ion:136	Resp:	428965
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 12.8
54	6.1	5.0 7.6
68	6.1	4.9 7.3



#23
Nitrobenzene-d5
Concen: 34.881 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion: 82	Resp:	242334
Ion	Ratio	Lower Upper
82	100	
128	48.3	36.8 55.2
54	40.6	33.8 50.6





#25

Isophorone

Concen: 17.048 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

ClientSampleId :

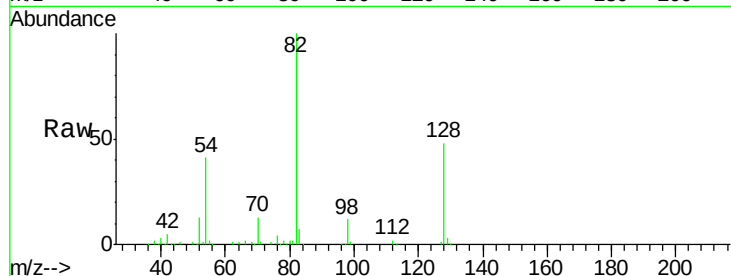
Tot Ion: 82 Resp: 242353

Ion Ratio Lower Upper

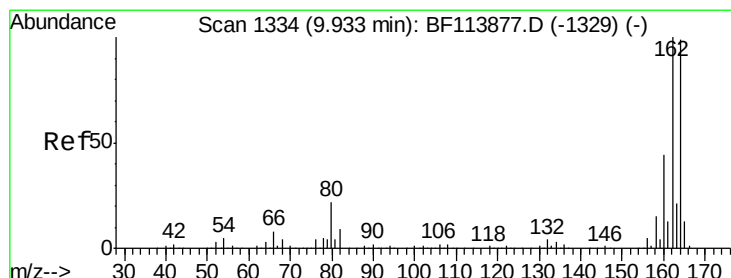
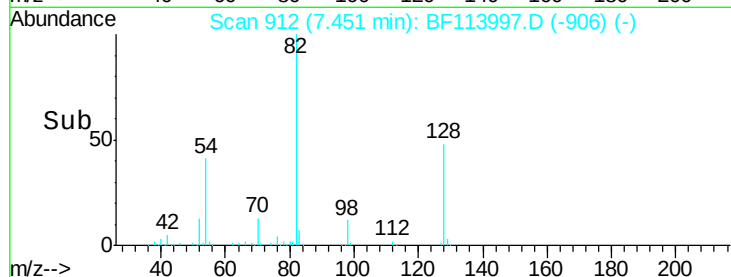
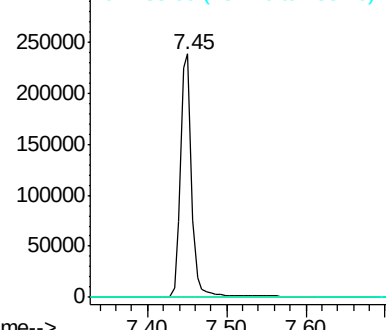
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



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: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

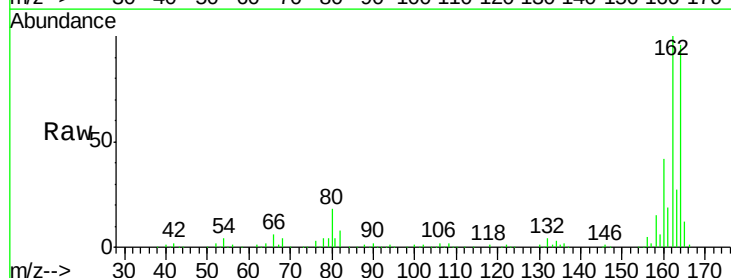
Tgt Ion: 164 Resp: 235033

Ion Ratio Lower Upper

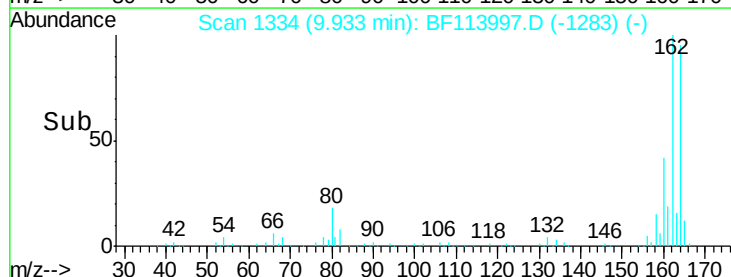
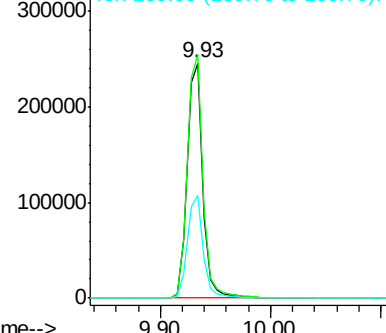
164 100

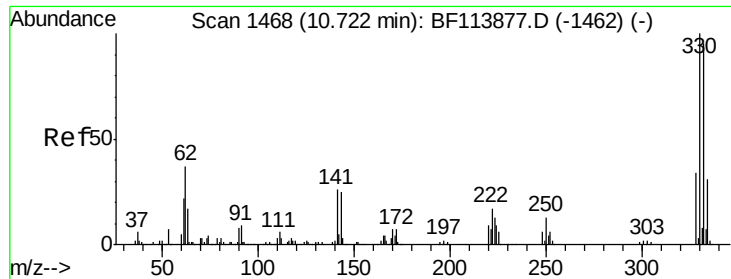
162 103.7 81.1 121.7

160 43.9 35.8 53.6



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: 51.228 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

ClientSampleId :

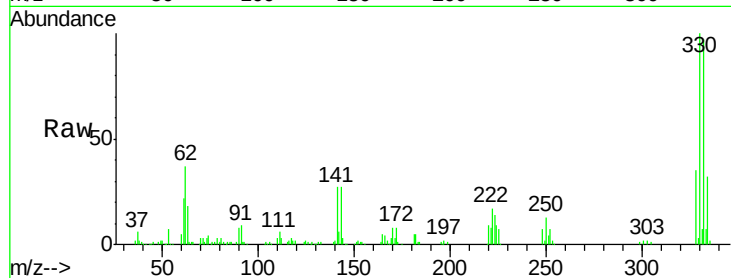
Tot Ion:330 Resp: 146676

Ion Ratio Lower Upper

330 100

332 96.7 77.5 116.3

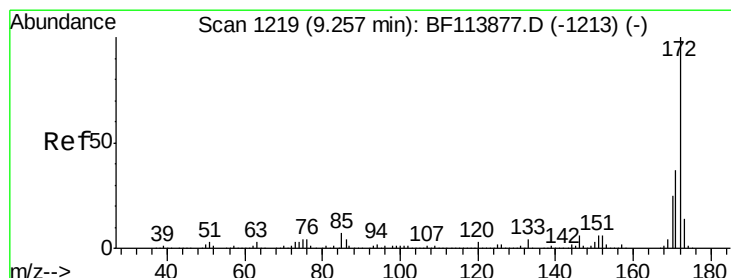
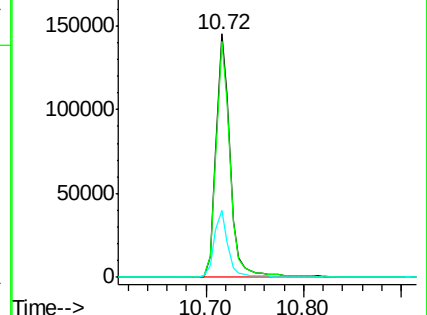
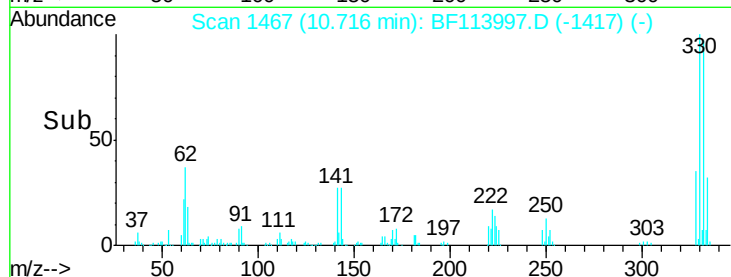
141 27.0 22.2 33.2



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: 31.244 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

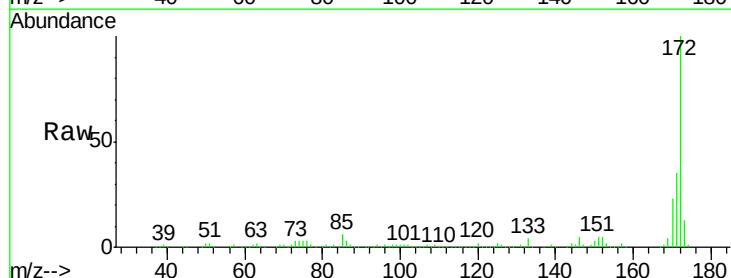
Tgt Ion:172 Resp: 469513

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

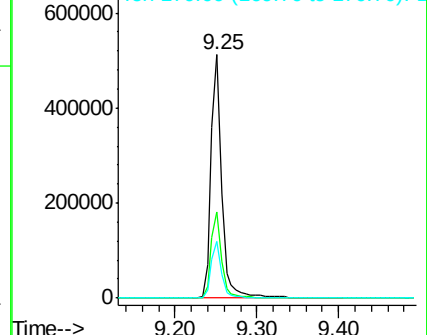
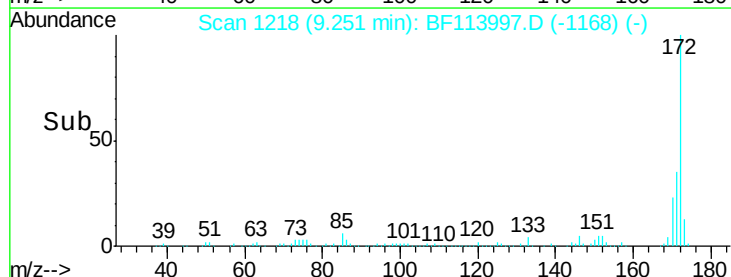
170 23.1 19.9 29.9

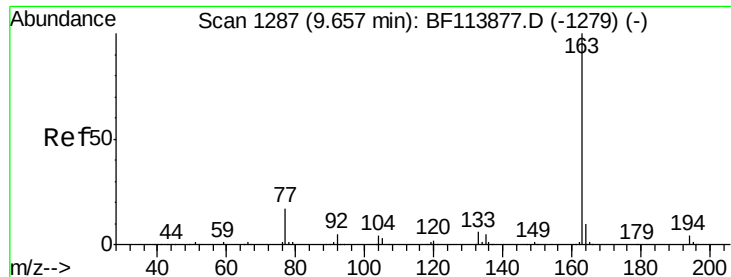


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

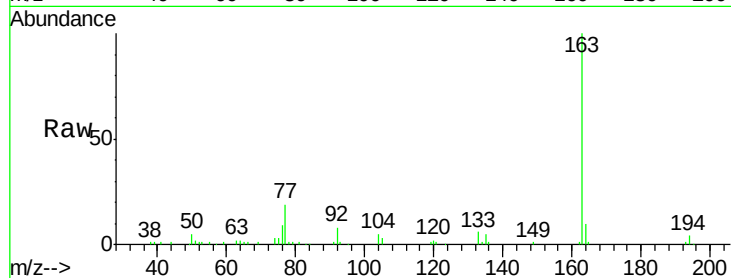




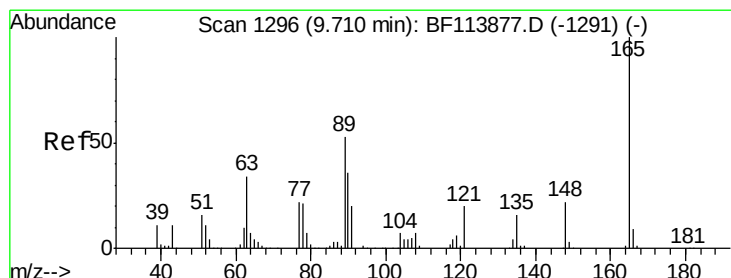
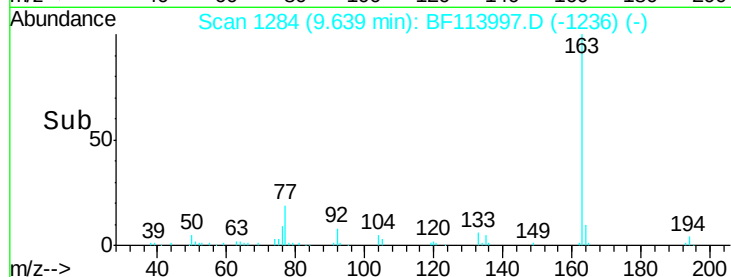
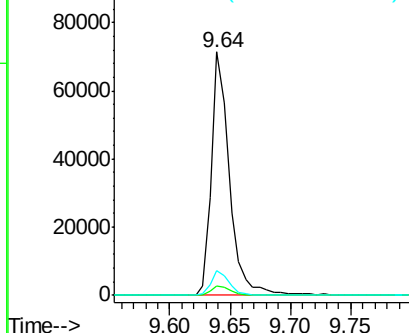
#50
Dimethylphthalate
Concen: 4.312 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 73289
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.2 8.5 12.7

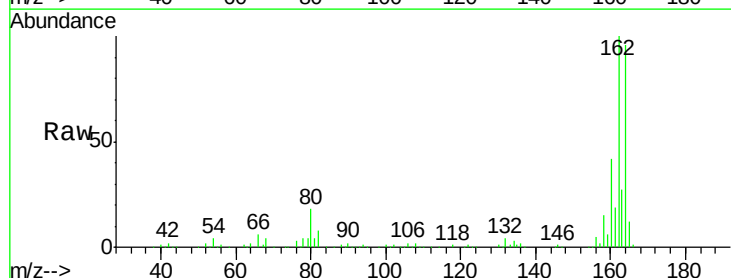


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

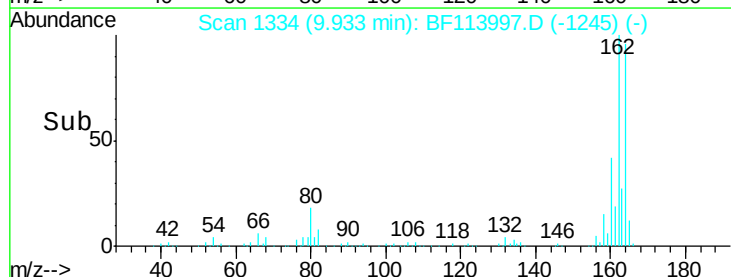
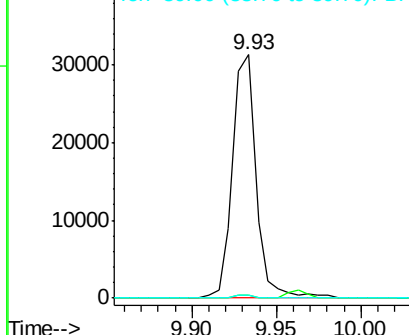


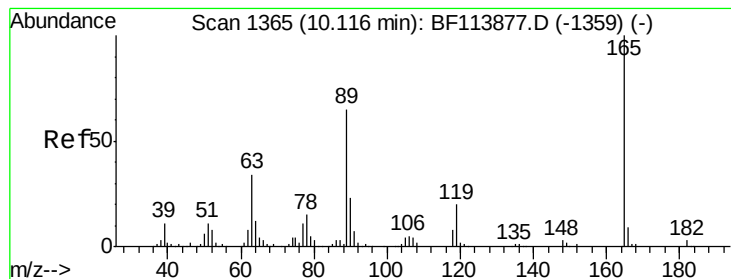
#51
2,6-Dinitrotoluene
Concen: 8.392 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion:165 Resp: 30602
Ion Ratio Lower Upper
165 100
63 1.1 33.8 50.8#
89 1.3 38.2 57.2#



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





#57

2,4-Dinitrotoluene

Concen: 6.649 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 30603

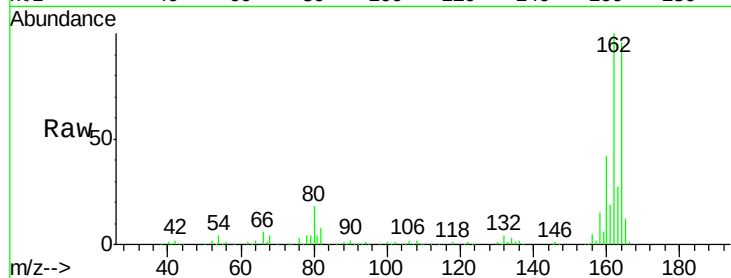
Ion Ratio Lower Upper

165 100

63 1.1 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

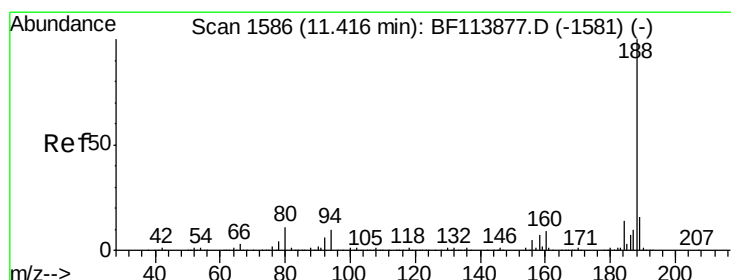
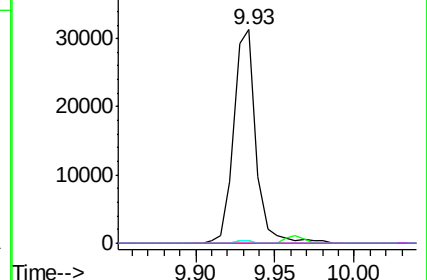
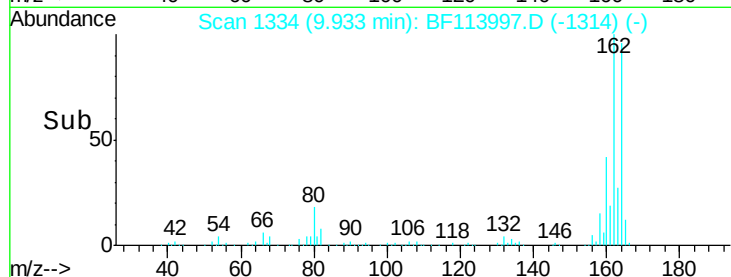


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

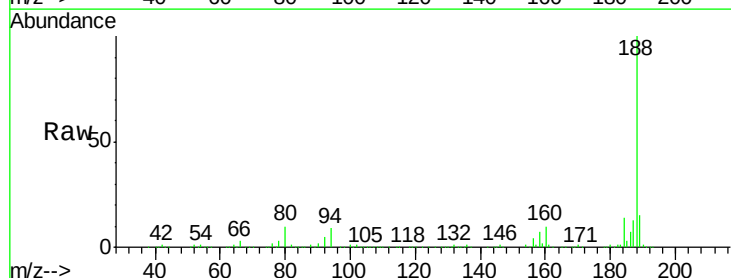
Tgt Ion:188 Resp: 493255

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.4

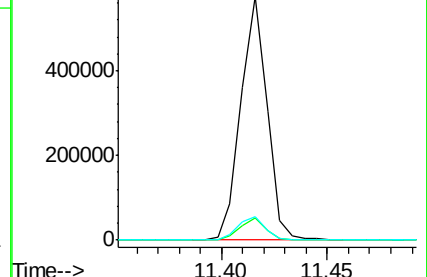
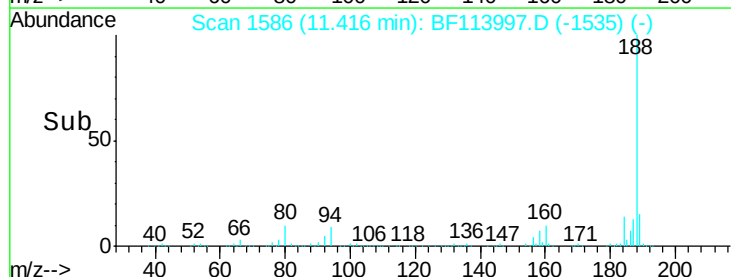
80 9.8 9.0 13.6

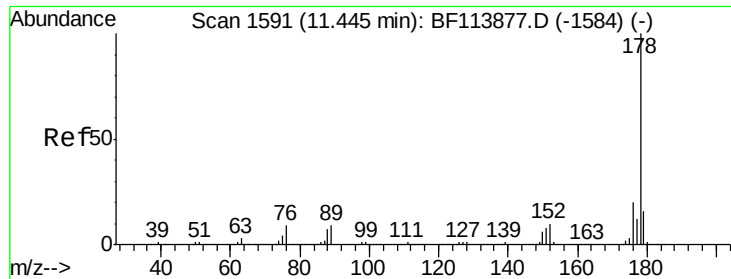


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

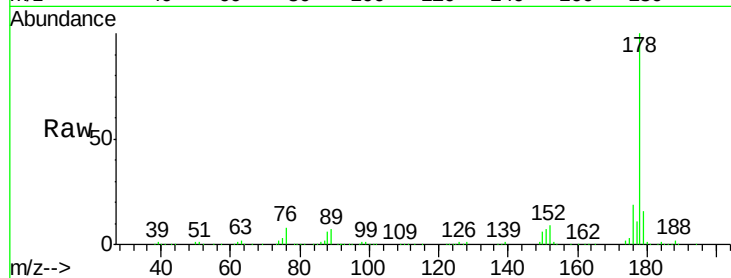




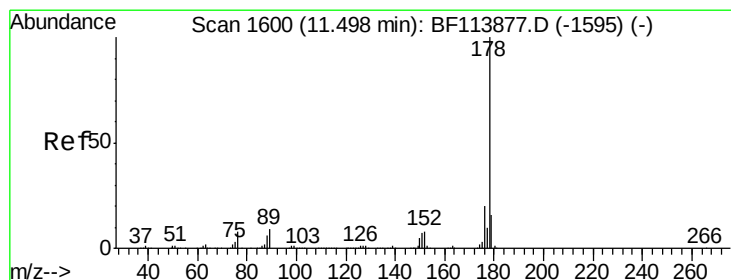
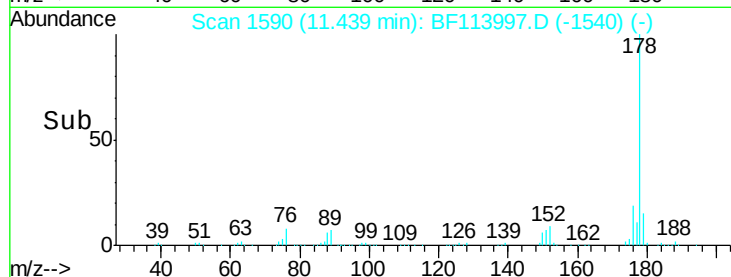
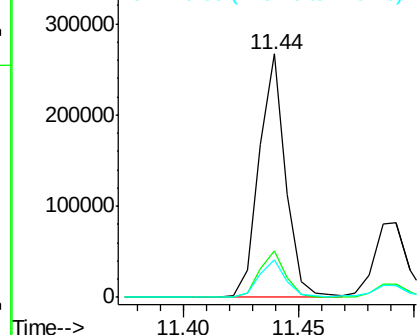
#71
Phenanthrene
Concen: 8.620 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 213685
Ion Ratio Lower Upper
178 100
176 18.9 16.1 24.1
179 15.5 12.8 19.2

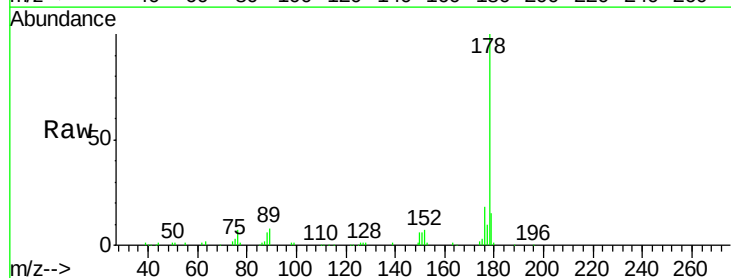


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

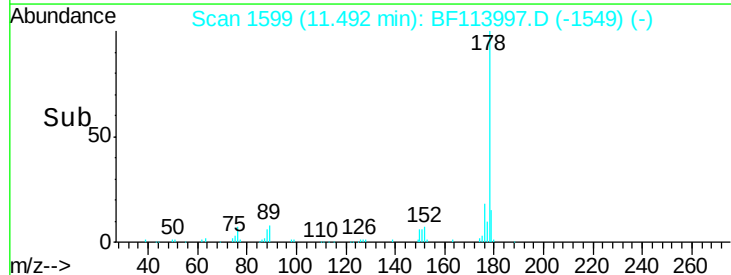
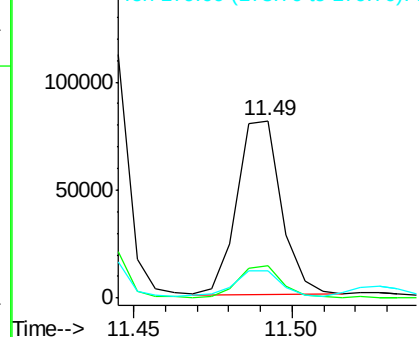


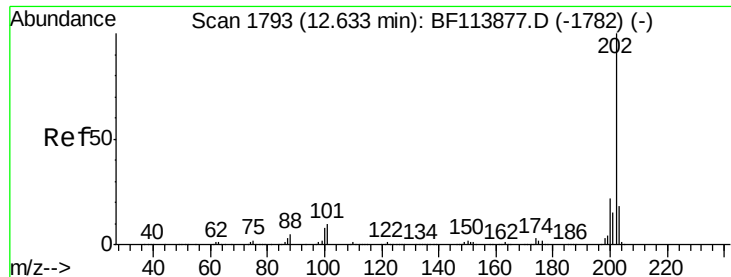
#72
Anthracene
Concen: 3.125 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion:178 Resp: 78221
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 15.4 13.0 19.4



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: 11.914 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

ClientSampled :

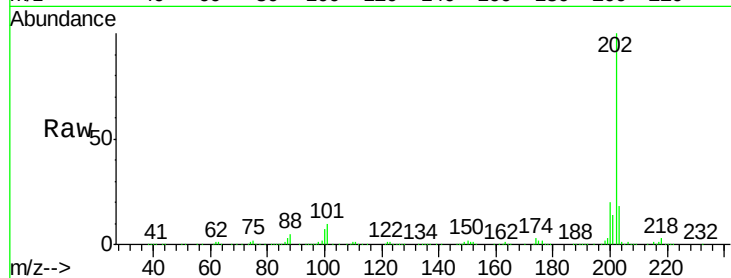
Tot Ion:202 Resp: 322212

Ion Ratio Lower Upper

202 100

101 10.3 0.0 32.9

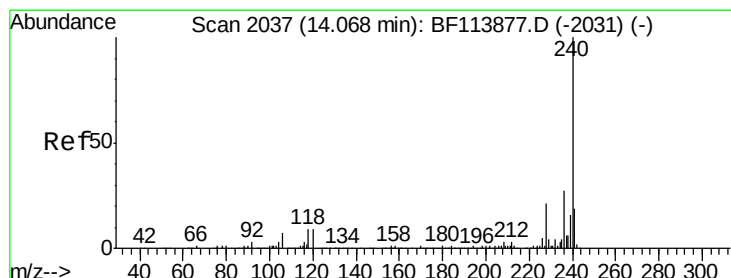
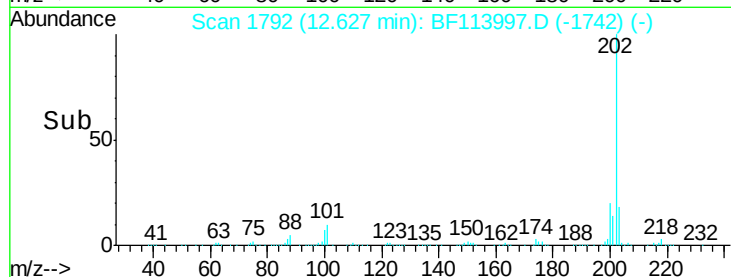
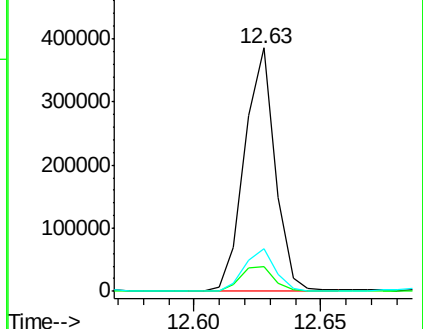
203 17.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

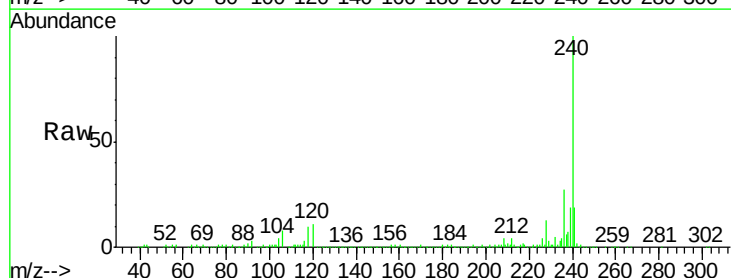
Tgt Ion:240 Resp: 377530

Ion Ratio Lower Upper

240 100

120 10.9 9.3 13.9

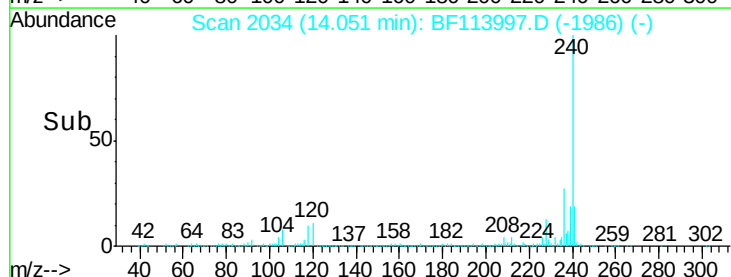
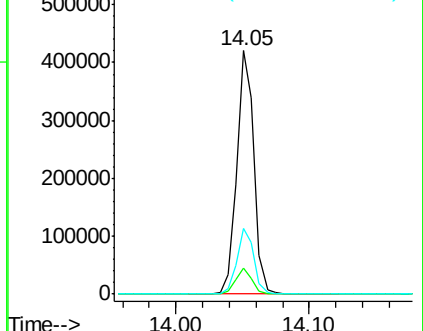
236 26.8 21.2 31.8

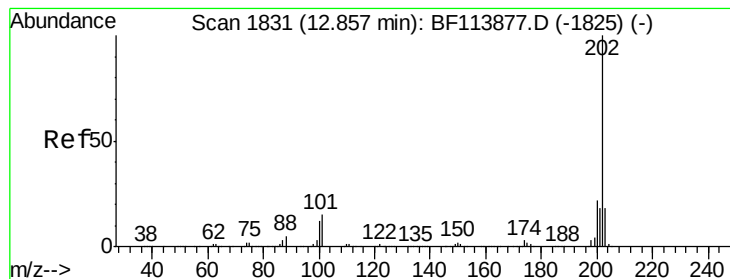


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.254 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

ClientSampleId :

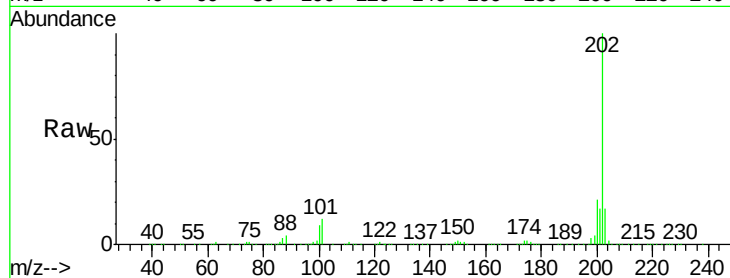
Tot Ion:202 Resp: 323522

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

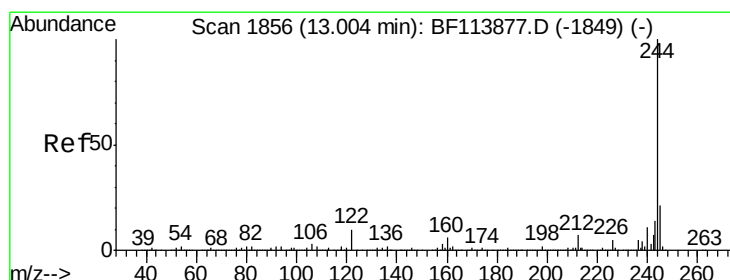
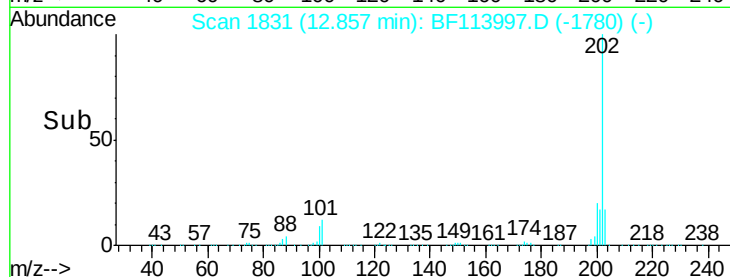
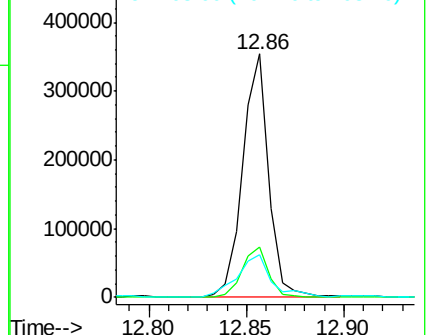
203 17.5 15.0 22.6



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: 32.695 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

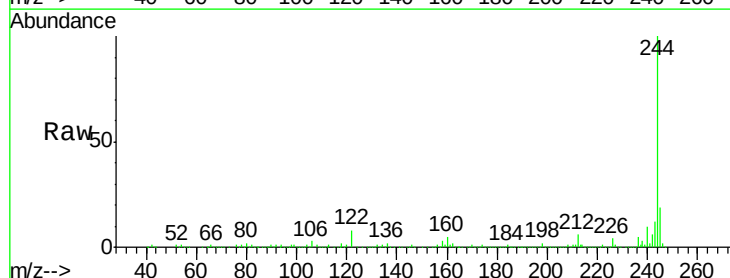
Tgt Ion:244 Resp: 602075

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.2

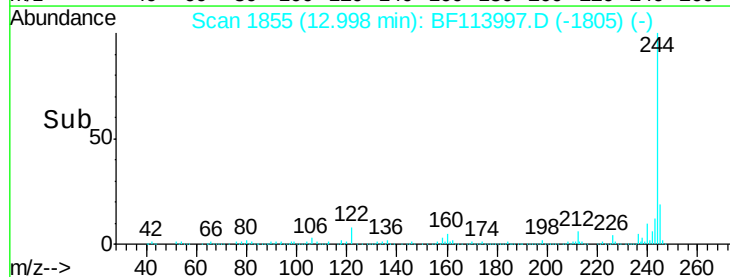
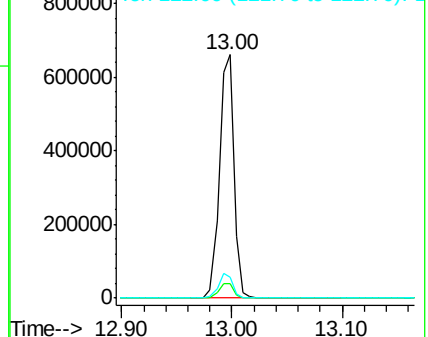
122 8.5 7.6 11.4

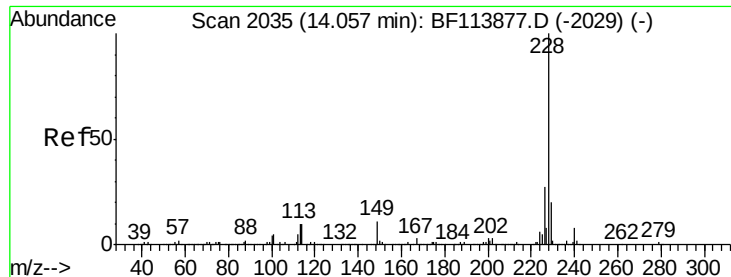


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.924 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF113997.D

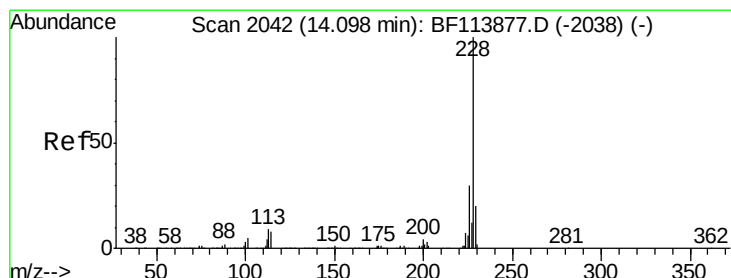
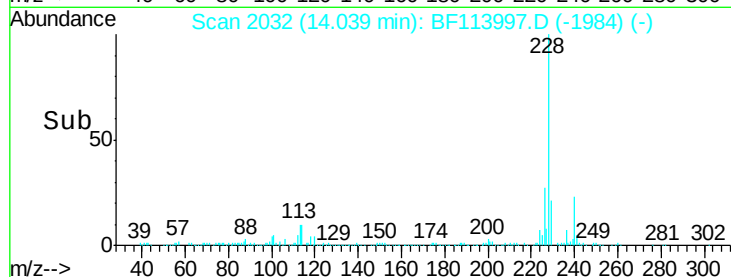
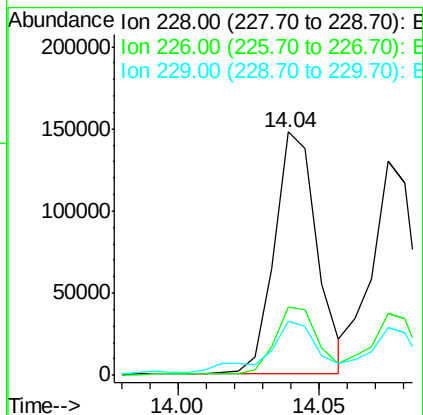
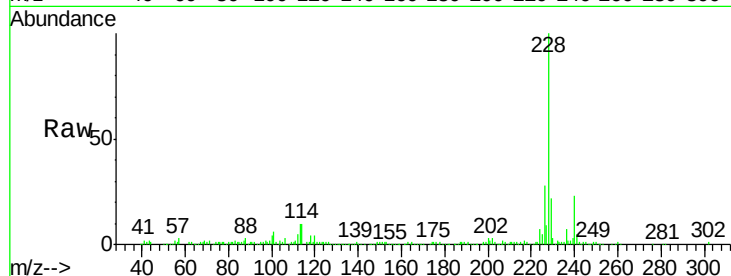
Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	154008
Ion	Ratio	Lower Upper
228	100	
226	27.9	22.2 33.2
229	22.1	16.0 24.0



#83

Chrysene

Concen: 6.251 ng

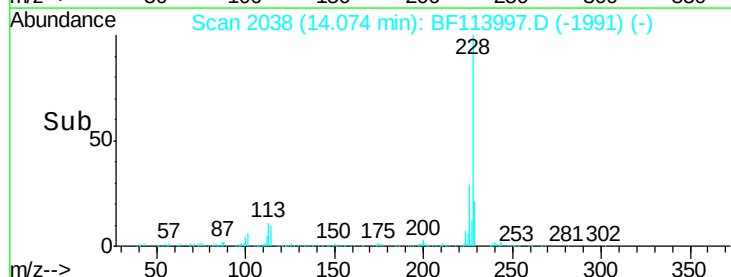
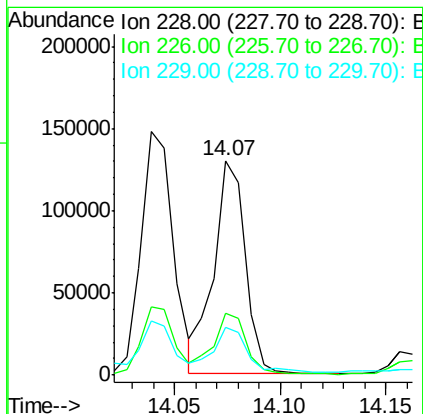
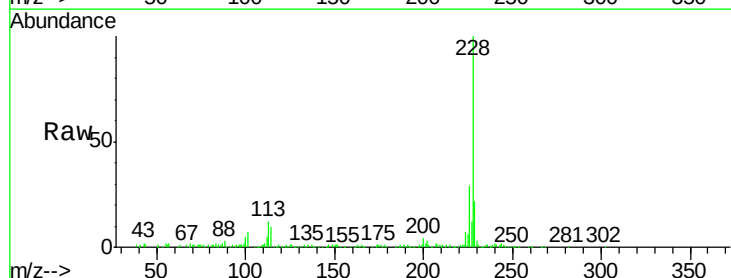
RT: 14.07 min Scan# 2038

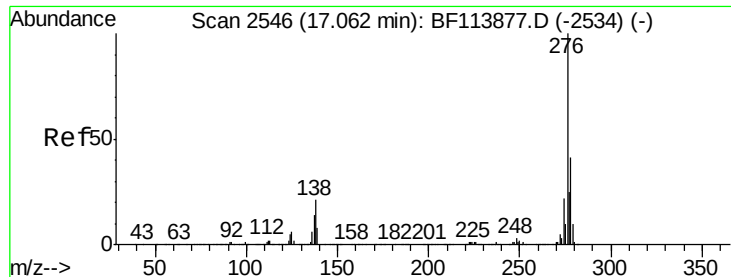
Delta R.T. -0.02 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Tgt Ion:228	Resp:	135426
Ion	Ratio	Lower Upper
228	100	
226	29.0	25.2 37.8
229	22.1	16.7 25.1

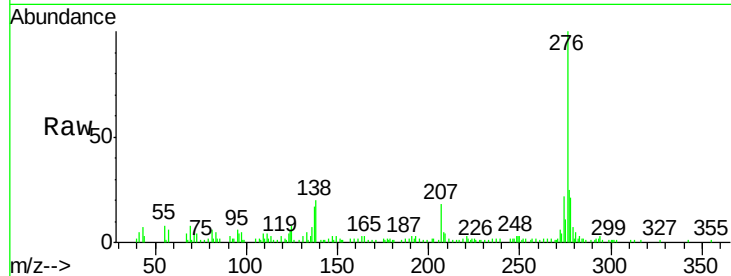




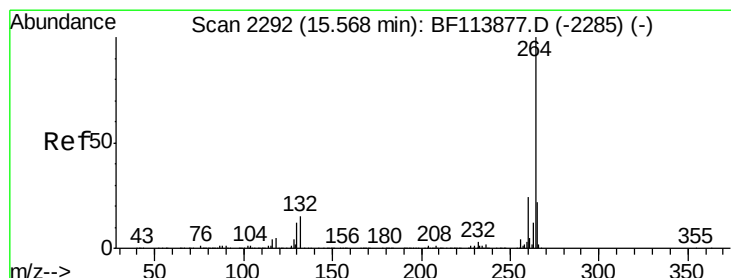
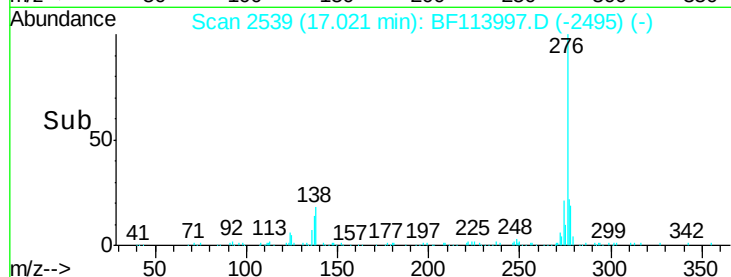
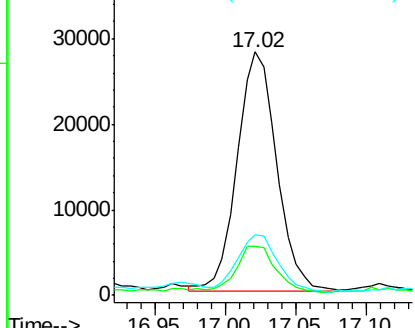
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.674 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.04 min
 Lab File: BF113997.D
 Acq: 25 Apr 2019 23:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.6	29.4
277	24.9	20.2	30.4

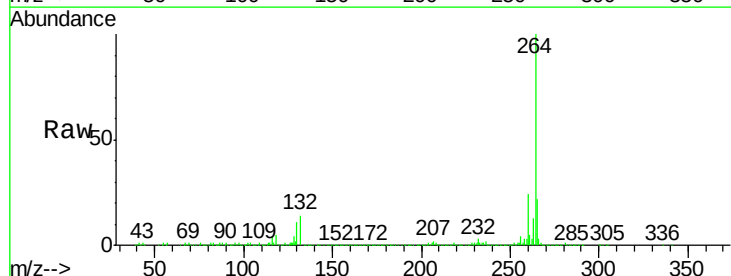


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

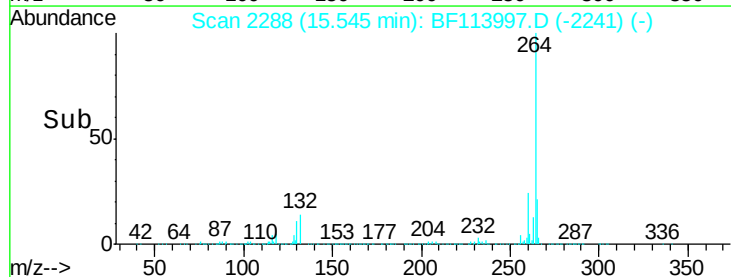
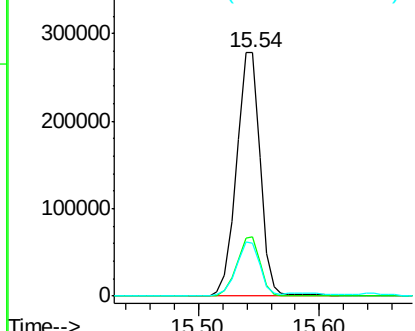


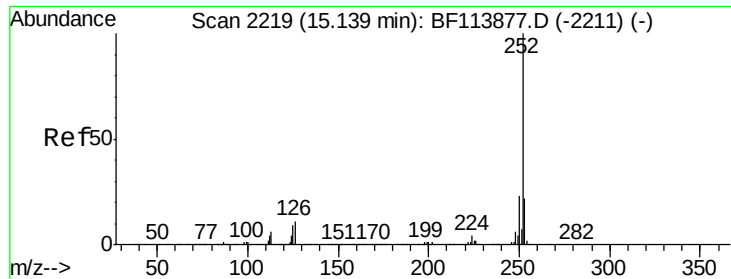
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.02 min
 Lab File: BF113997.D
 Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	21.6	17.3	25.9



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

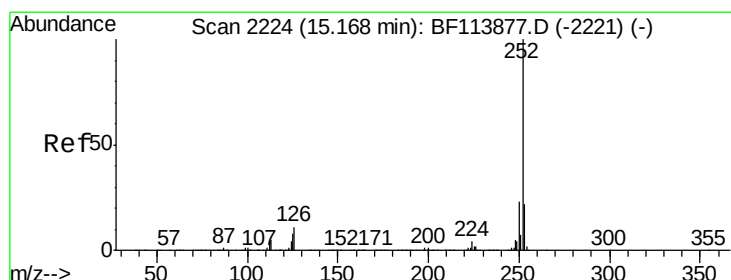
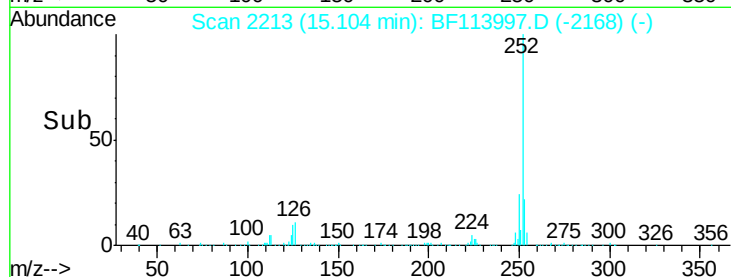
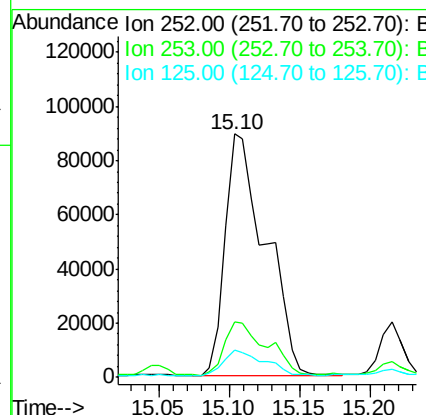
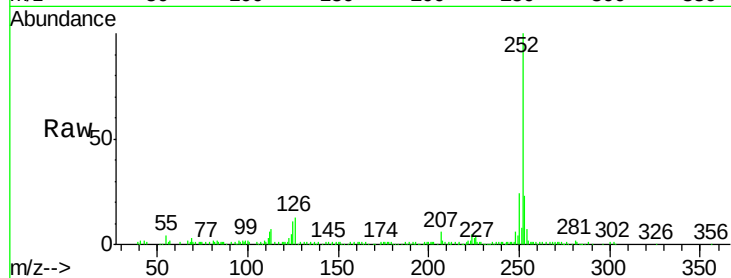




#88
Benzo(b)fluoranthene
Concen: 7.433 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

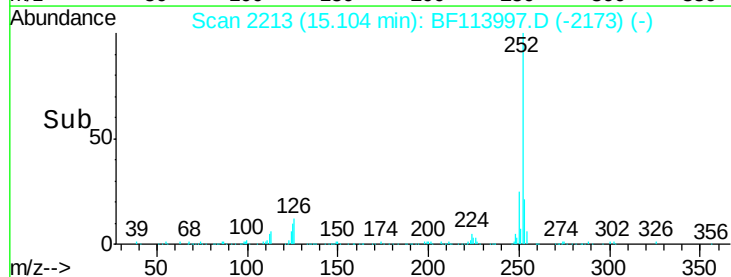
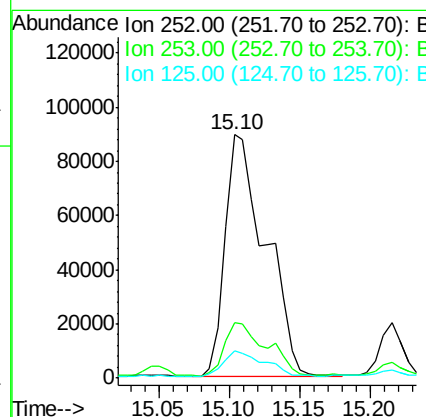
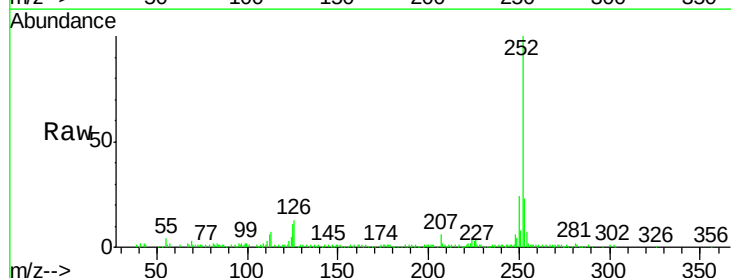
Instrument :
BNA_F
ClientSampleId :

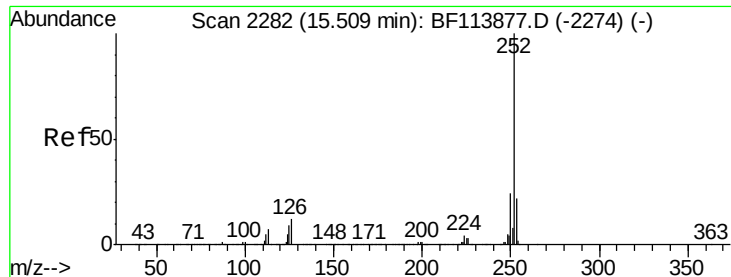
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.0	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 8.641 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.06 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	11.0	7.4	11.2

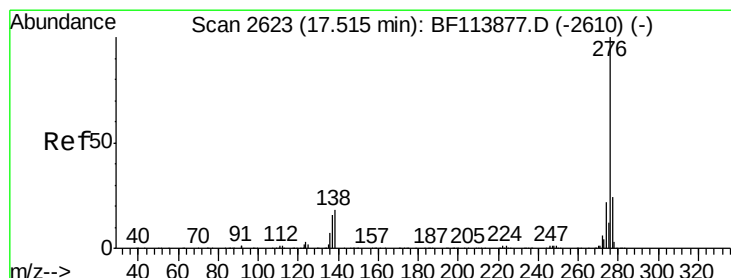
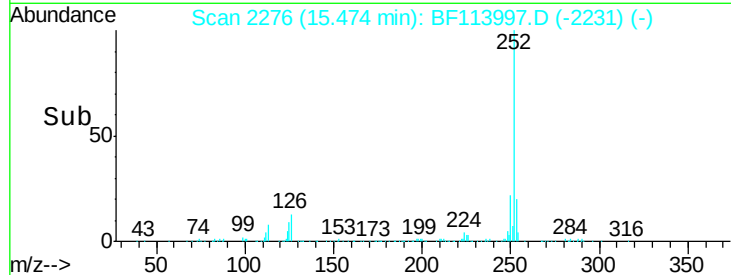
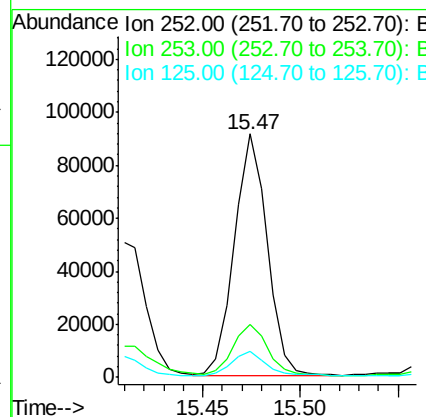
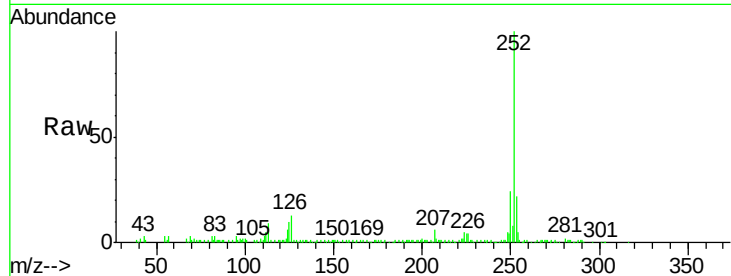




#90
Benzo(a)pyrene
Concen: 5.110 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.5	8.5	12.7



#92
Benzo(g,h,i)perylene
Concen: 2.569 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	19.3	16.6	25.0

