

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114046.D
 Acq On : 30 Apr 2019 17:03
 Operator : JU/SJ
 Sample : K2194-07 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:03:31 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	116279	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	400998	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	188256	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	359326	20.00	ng	0.00
76) Chrysene-d12	14.06	240	273919	20.00	ng	-0.01
87) Perylene-d12	15.54	264	211104	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	333598	49.07	ng	0.00
7) Phenol-d6	6.52	99	432918	50.76	ng	0.00
23) Nitrobenzene-d5	7.45	82	238446	36.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	111968	48.82	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	475813	39.53	ng	-0.01
79) Terphenyl-d14	13.00	244	530537	39.71	ng	0.00

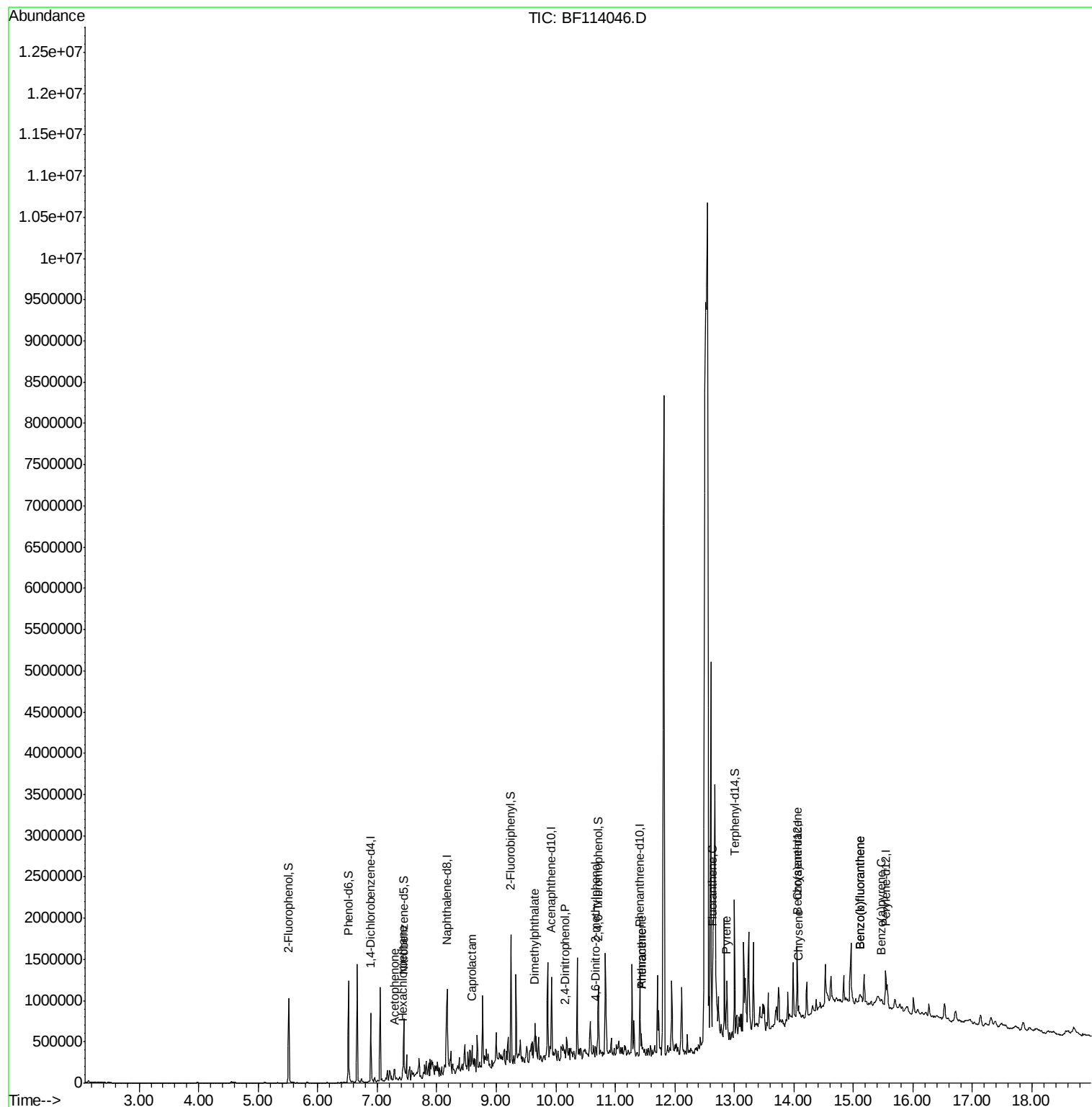
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	8090	Below Cal		82
18) Hexachloroethane	7.43	117	7987	2.577 ng	#	1
22) Acetophenone	7.29	105	19444	2.179 ng	#	56
35) Caprolactam	8.60	113	6867	3.539 ng	#	1
50) Dimethylphthalate	9.64	163	65008	4.775 ng	#	98
54) 2,4-Dinitrophenol	10.15	184	133	8.413 ng	#	49
65) 4,6-Dinitro-2-methylphenol	10.66	198	176	7.399 ng	#	1
71) Phenanthrene	11.44	178	93279	5.165 ng		97
72) Anthracene	11.44	178	93279	5.115 ng		98
75) Fluoranthene	12.63	202	123897	6.289 ng		99
78) Pyrene	12.86	202	123791	6.462 ng		97
81) Benzo(a)anthracene	14.04	228	49583	3.072 ng	#	90
83) Chrysene	14.08	228	47821	3.042 ng	#	92
88) Benzo(b)fluoranthene	15.11	252	59587	4.461 ng	#	68
89) Benzo(k)fluoranthene	15.11	252	59587	5.187 ng	#	69
90) Benzo(a)pyrene	15.48	252	32230	2.790 ng	#	67

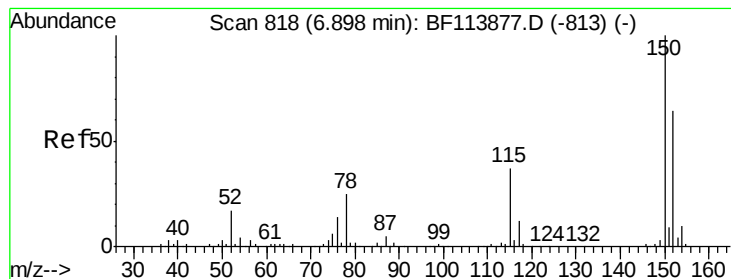
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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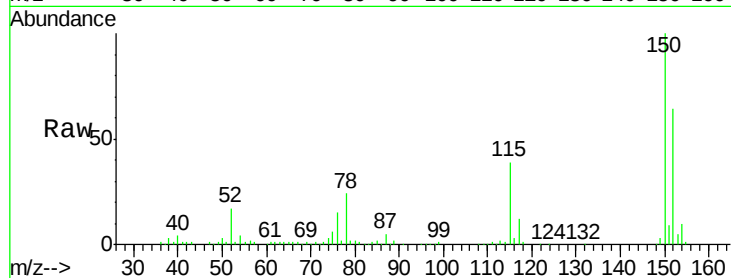


#1

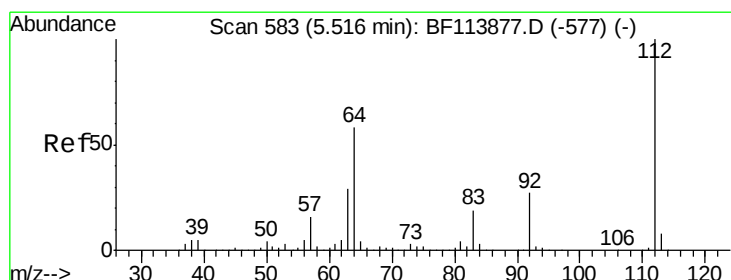
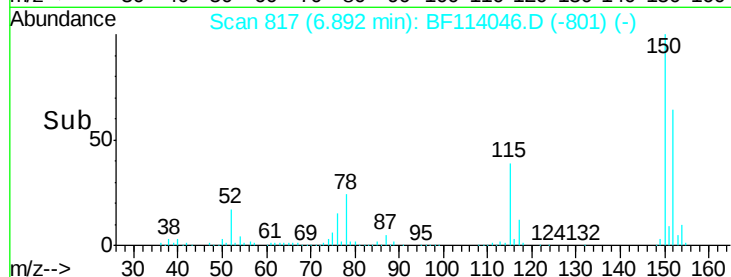
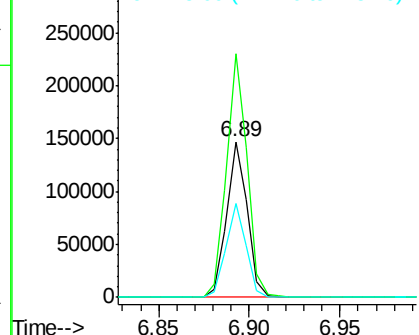
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114046.D
Acq: 30 Apr 2019 17:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.9	188.9
115	60.5	45.9	68.9



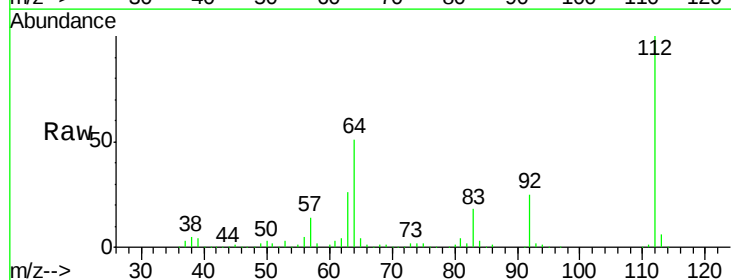
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



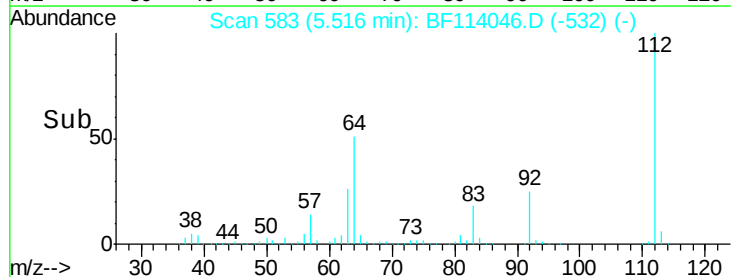
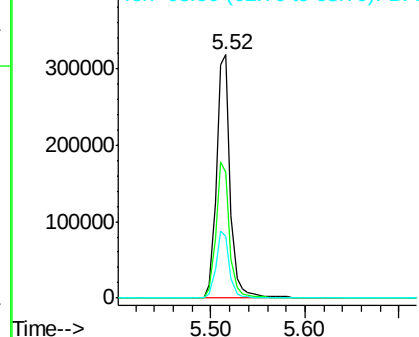
#5

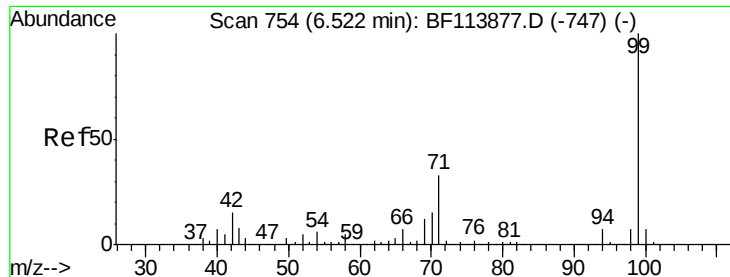
2-Fluorophenol
Concen: 49.069 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF114046.D
Acq: 30 Apr 2019 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	46.6	69.8
63	25.6	23.1	34.7



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: 50.755 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

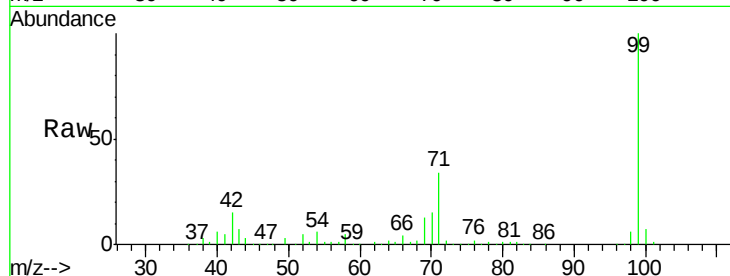
Tot Ion: 99 Resp: 432918

Ion Ratio Lower Upper

99 100

42 15.1 12.5 18.7

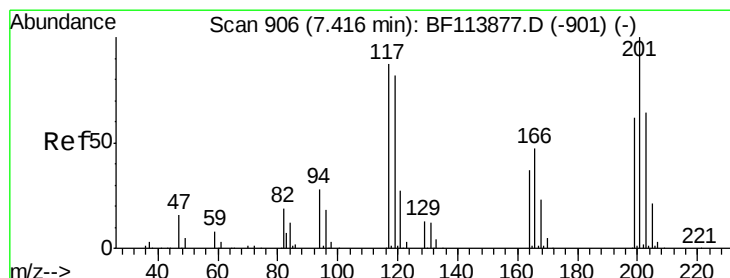
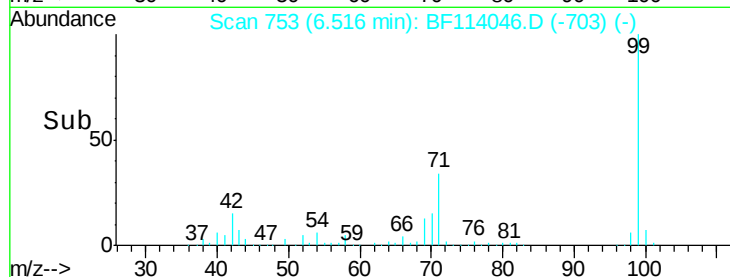
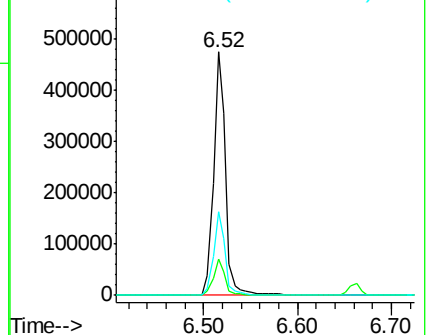
71 34.1 26.9 40.3



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



#18

Hexachloroethane

Concen: 2.577 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.01 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

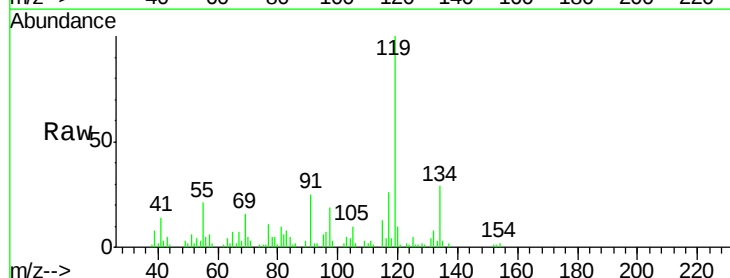
Tgt Ion: 117 Resp: 7987

Ion Ratio Lower Upper

117 100

119 386.2 74.4 111.6#

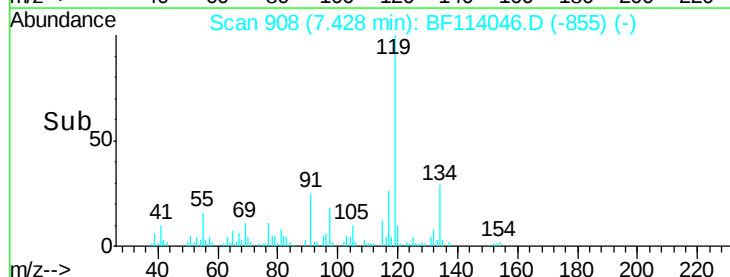
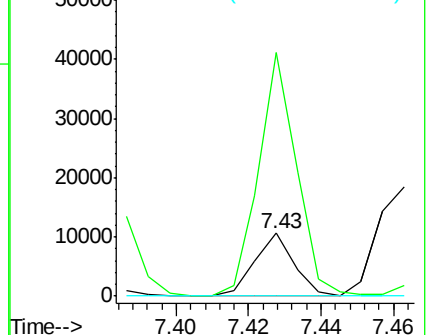
201 0.0 90.2 135.2#

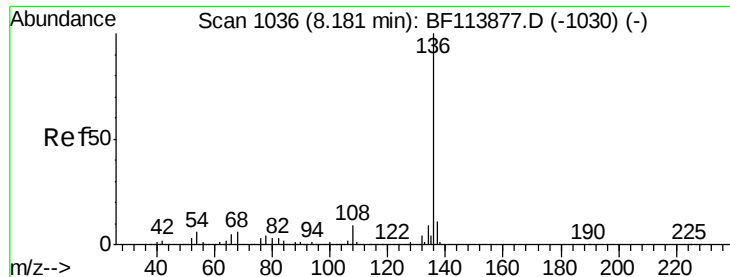


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 400998

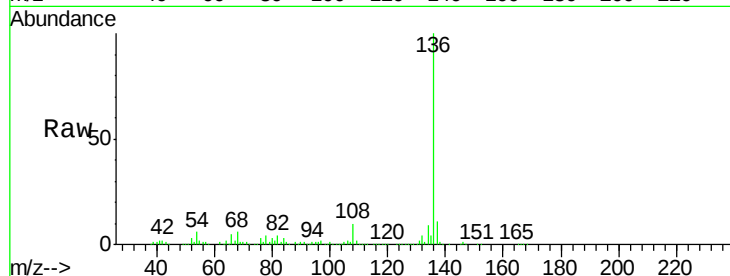
Ion Ratio Lower Upper

136 100

137 11.5 8.6 12.8

54 6.3 5.0 7.6

68 6.3 4.9 7.3

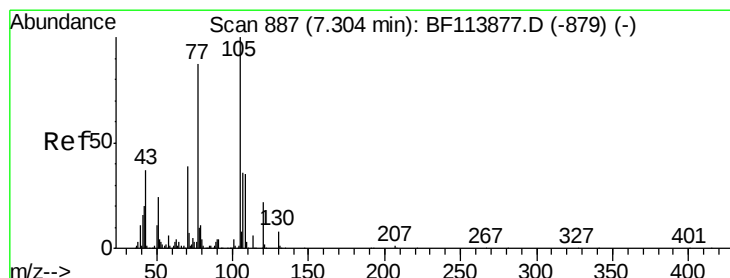
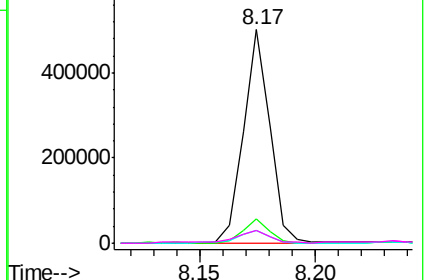
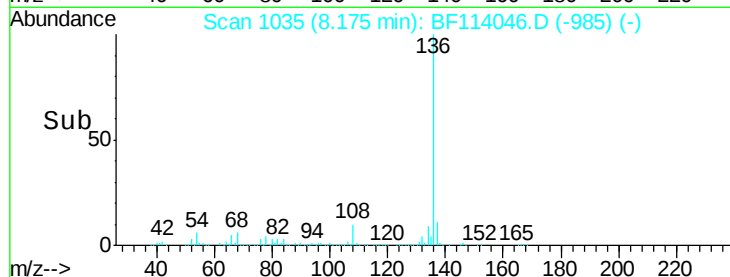


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.179 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Tgt Ion:105 Resp: 19444

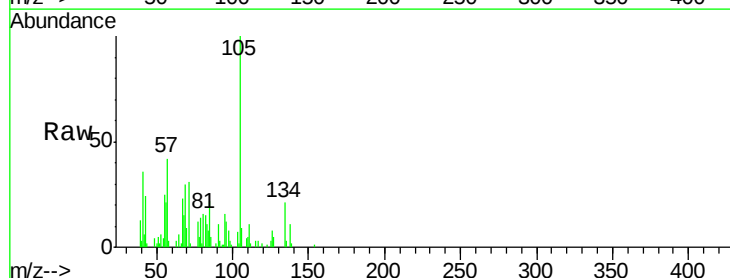
Ion Ratio Lower Upper

105 100

71 30.9 6.1 9.1#

51 5.2 16.8 25.2#

120 0.0 17.6 26.4#

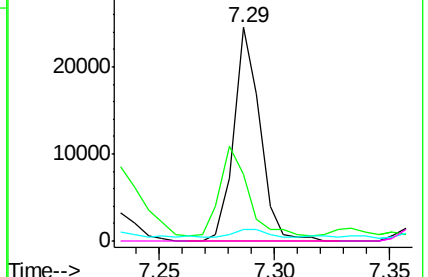
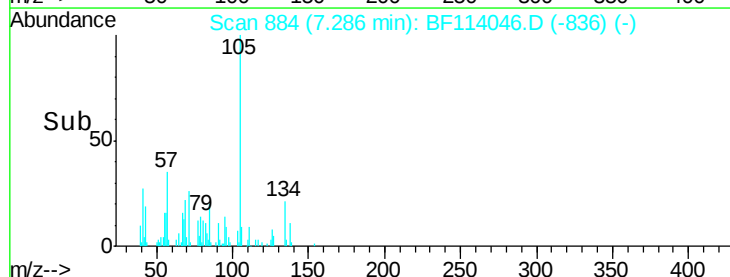


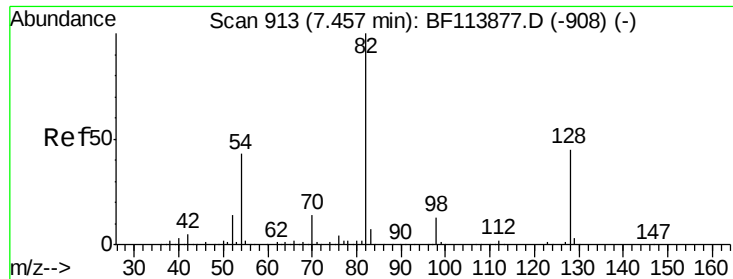
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

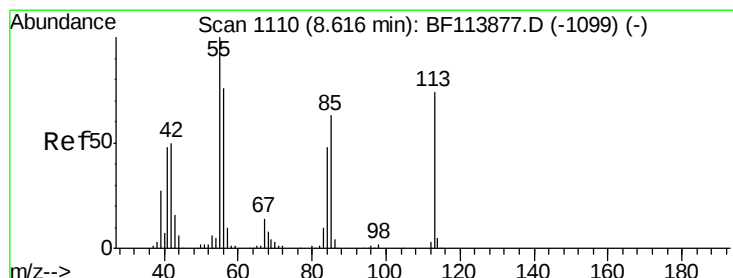
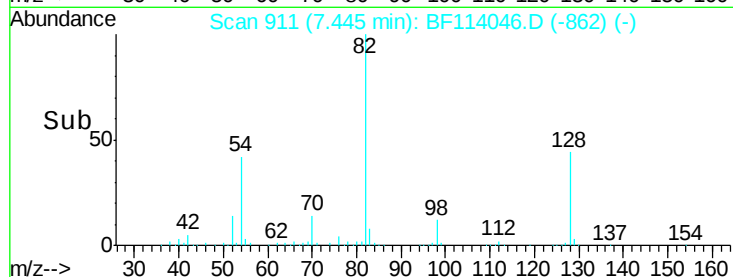
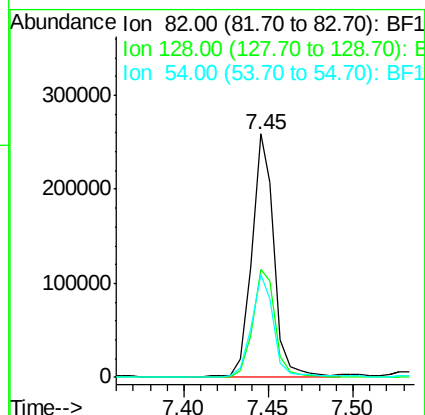
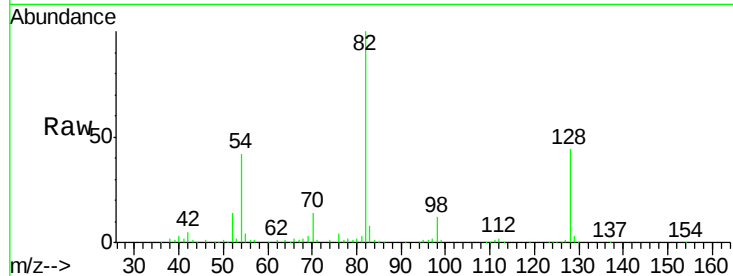




#23
 Nitrobenzene-d5
 Concen: 36.715 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF114046.D
 Acq: 30 Apr 2019 17:03

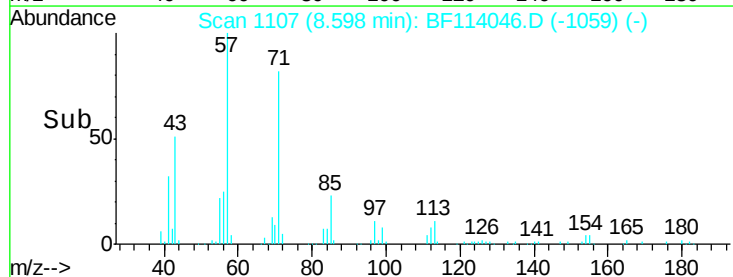
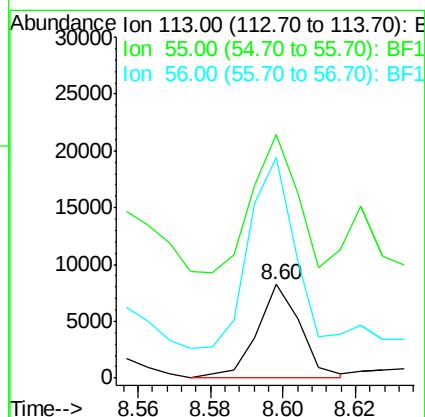
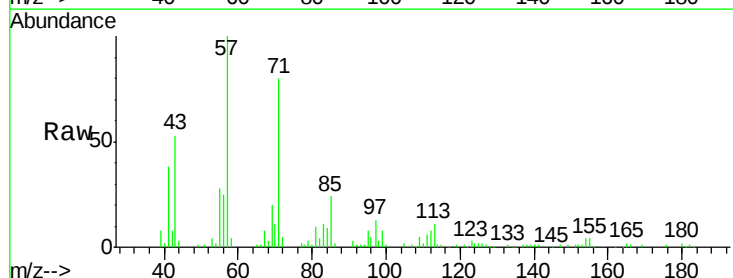
Instrument :
 BNA_F
 ClientSampleId :

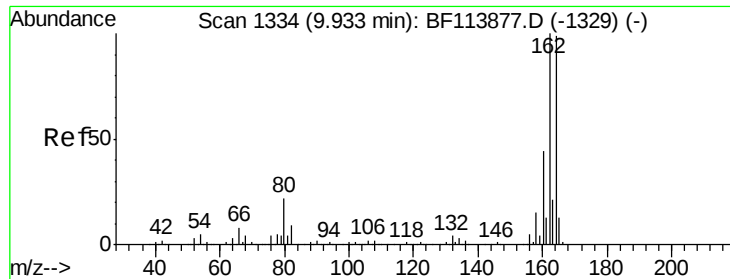
Tot Ion: 82 Resp: 238446
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.8 55.2
 54 42.1 33.8 50.6



#35
 Caprolactam
 Concen: 3.539 ng
 RT: 8.60 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: BF114046.D
 Acq: 30 Apr 2019 17:03

Tgt Ion: 113 Resp: 6867
 Ion Ratio Lower Upper
 113 100
 55 260.5 128.6 168.6#
 56 236.2 91.9 131.9#

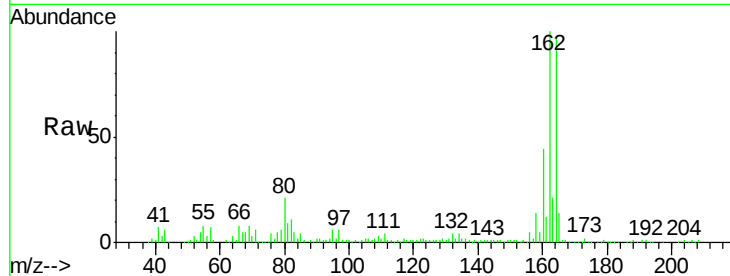




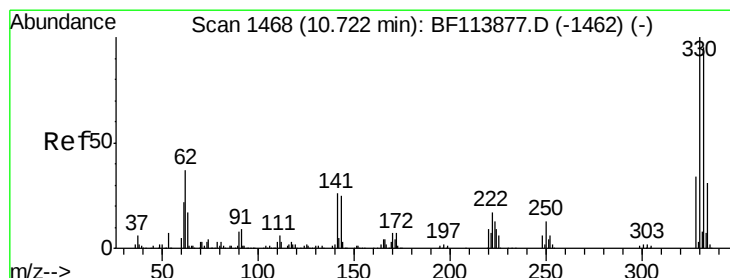
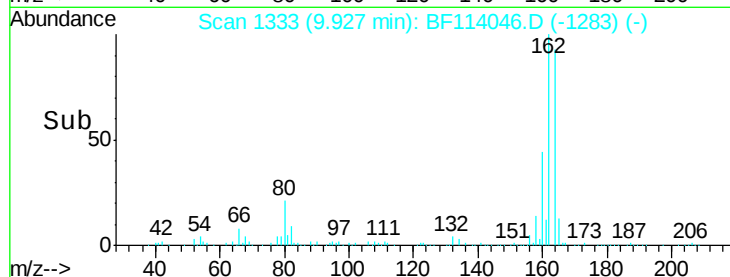
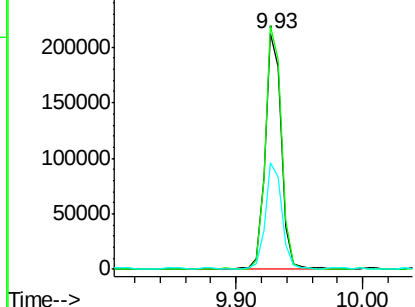
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF114046.D
 Acq: 30 Apr 2019 17:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.1	121.7
160	45.3	35.8	53.6

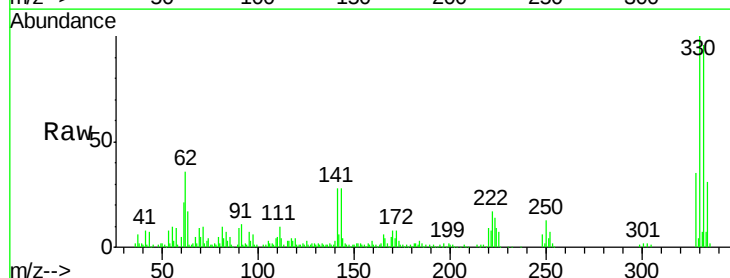


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

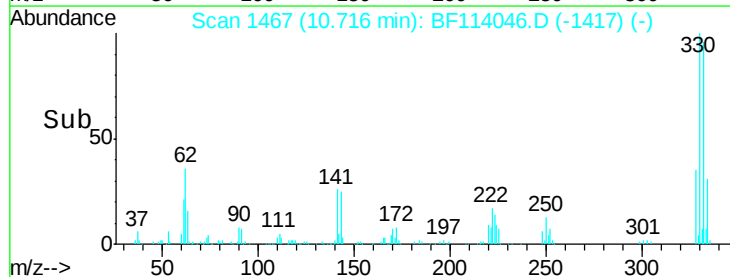
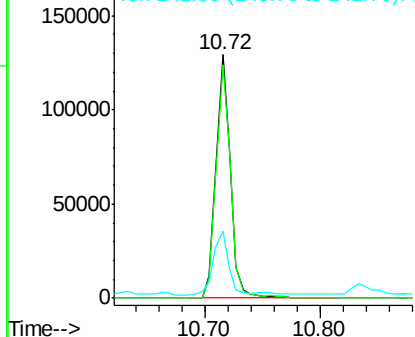


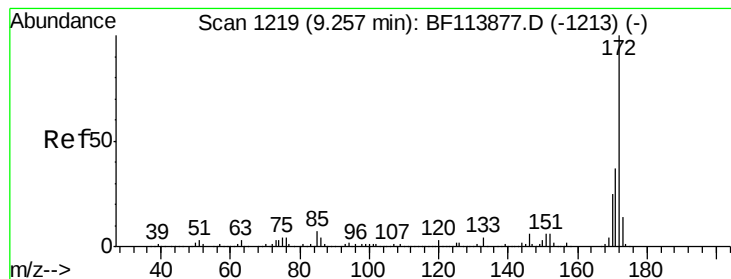
#42
 2,4,6-Tribromophenol
 Concen: 48.823 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF114046.D
 Acq: 30 Apr 2019 17:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	27.4	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: 39.530 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

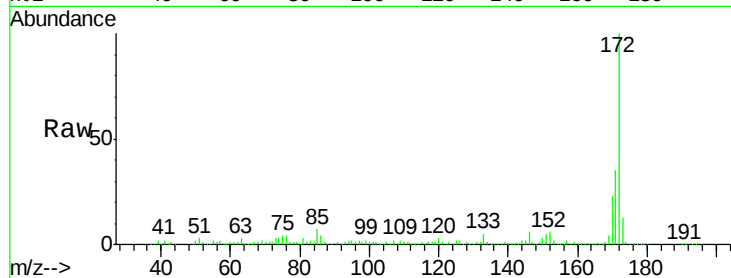
Tot Ion:172 Resp: 475813

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

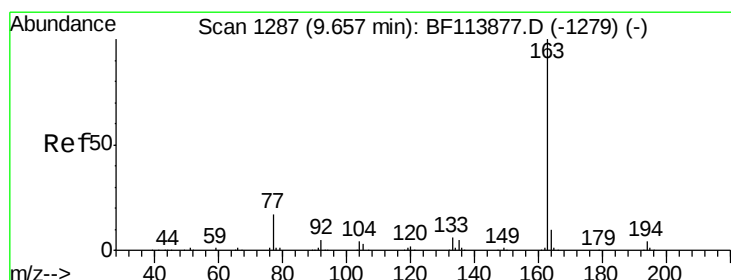
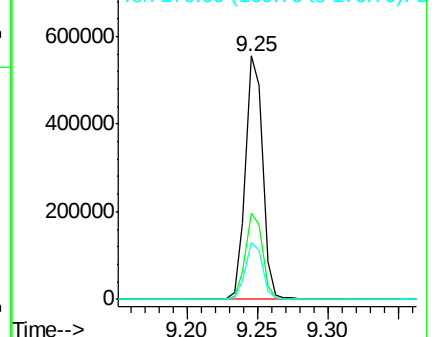
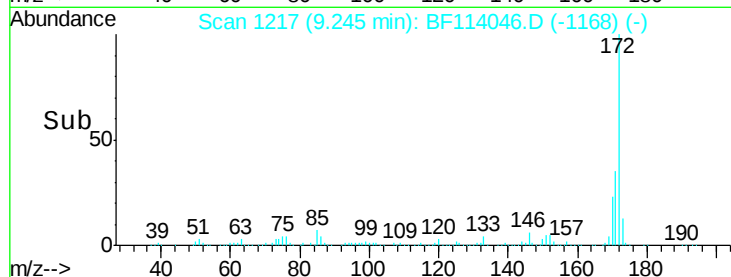
170 23.4 19.9 29.9



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: 4.775 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

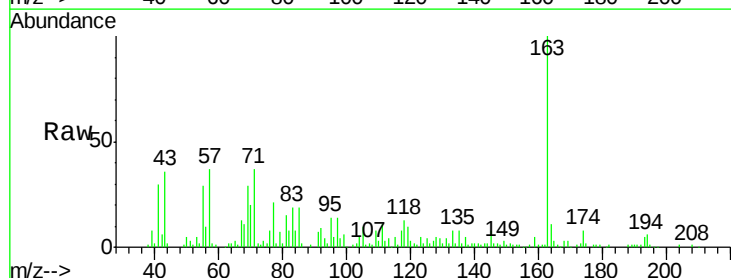
Tgt Ion:163 Resp: 65008

Ion Ratio Lower Upper

163 100

194 6.1 3.4 5.2#

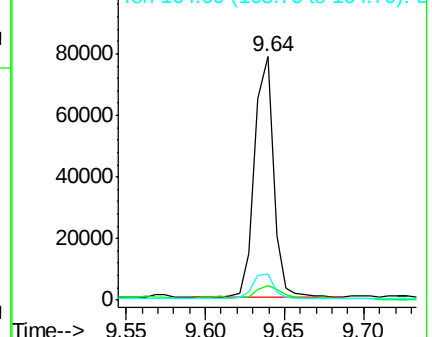
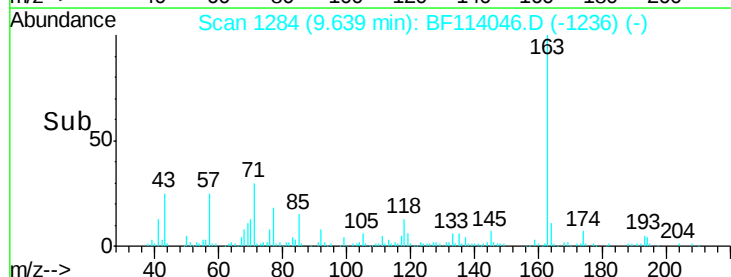
164 10.5 8.5 12.7

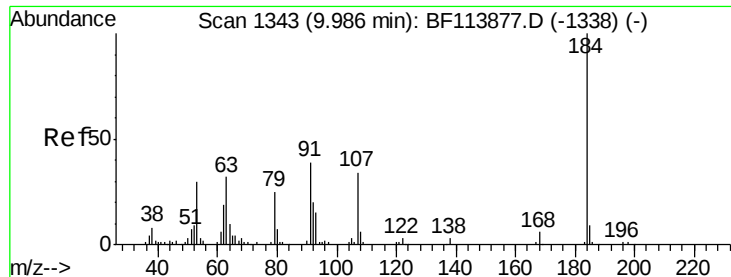


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

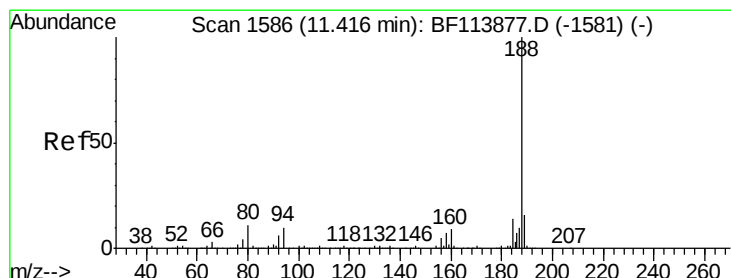
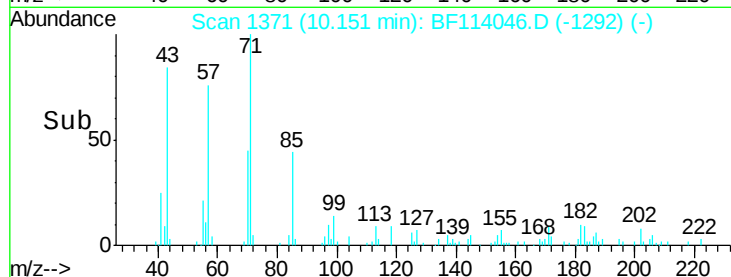
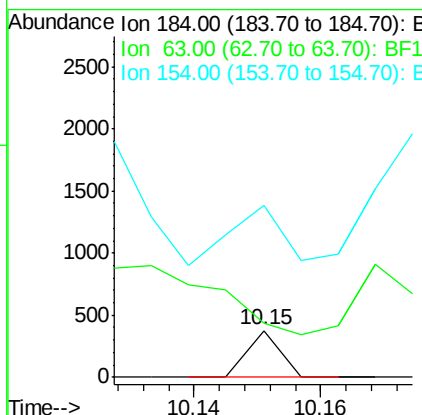
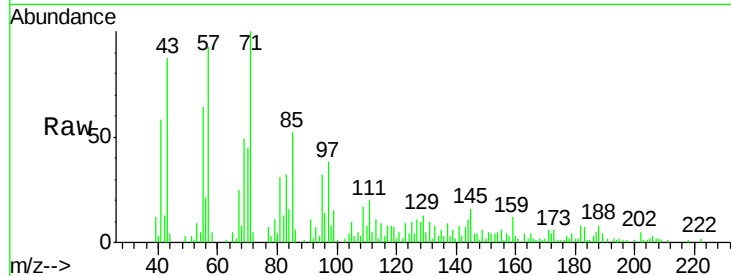




#54
 2,4-Dinitrophenol
 Concen: 8.413 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. 0.16 min
 Lab File: BF114046.D
 Acq: 30 Apr 2019 17:03

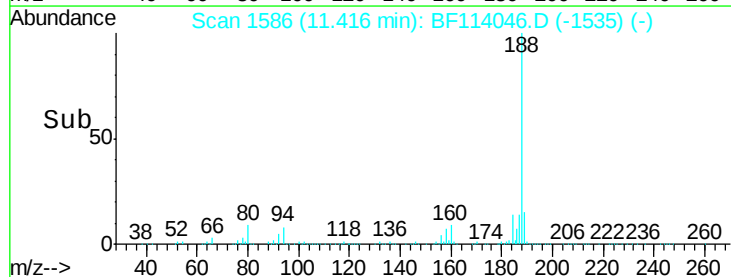
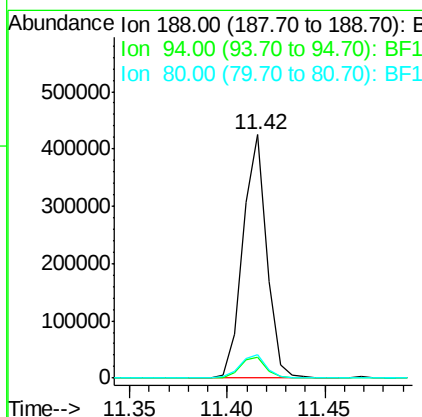
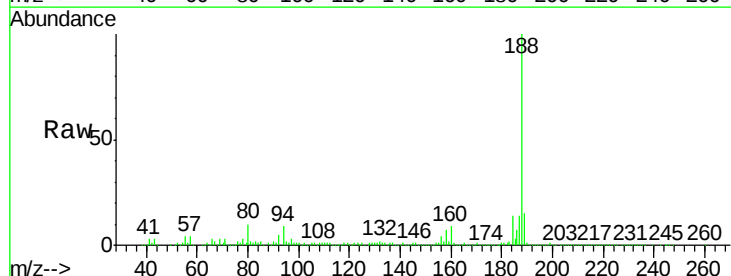
Instrument :
 BNA_F
 ClientSampleId :

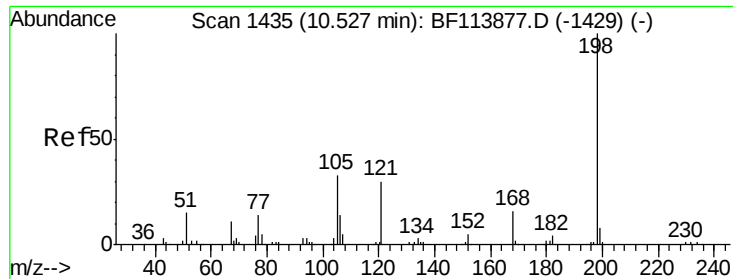
Tot Ion:184 Resp: 133
 Ion Ratio Lower Upper
 184 100
 63 114.3 54.6 81.8#
 154 364.8 218.6 328.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF114046.D
 Acq: 30 Apr 2019 17:03

Tgt Ion:188 Resp: 359326
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.4
 80 9.7 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.399 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.14 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

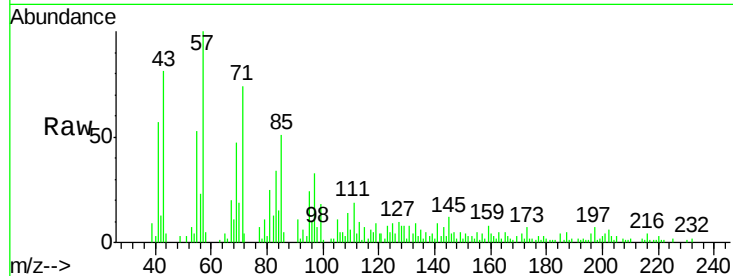
Tot Ion:198 Resp: 176

Ion Ratio Lower Upper

198 100

51 189.4 11.1 51.1#

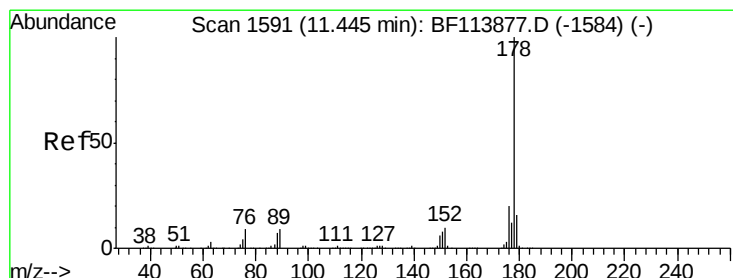
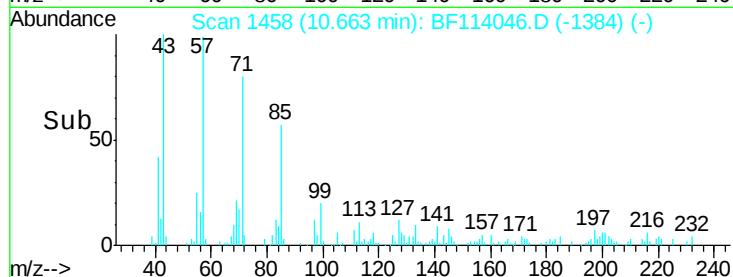
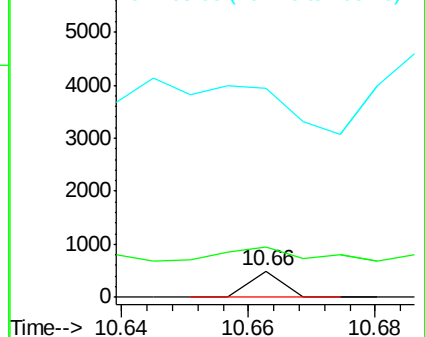
105 791.2 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 5.165 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

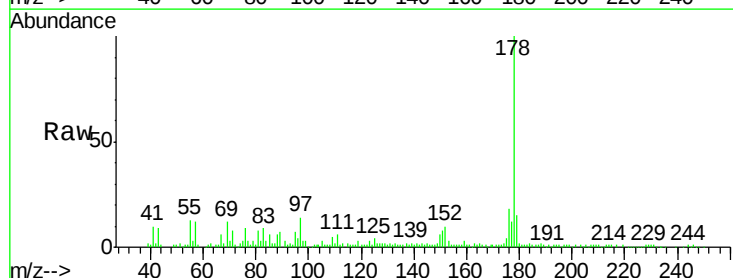
Tgt Ion:178 Resp: 93279

Ion Ratio Lower Upper

178 100

176 18.5 16.1 24.1

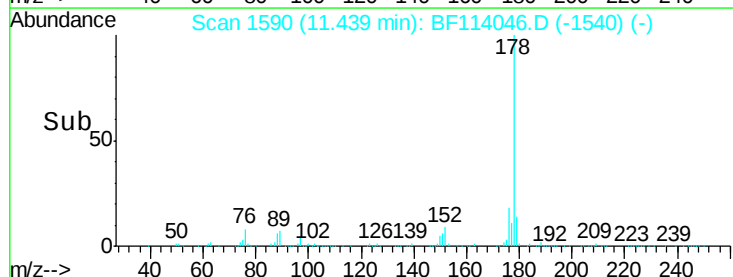
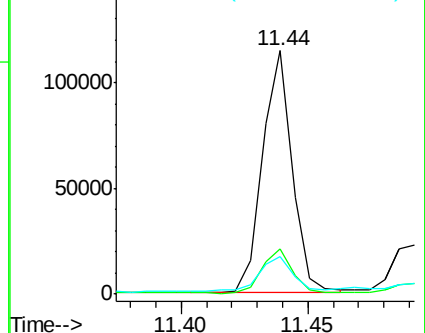
179 15.2 12.8 19.2

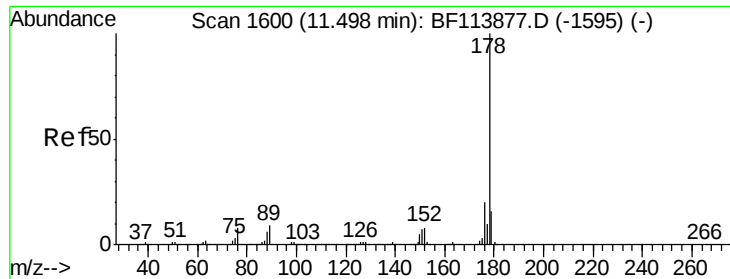


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.115 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.06 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

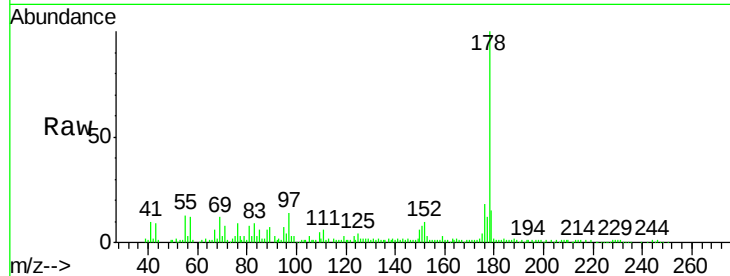
Tot Ion:178 Resp: 93279

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

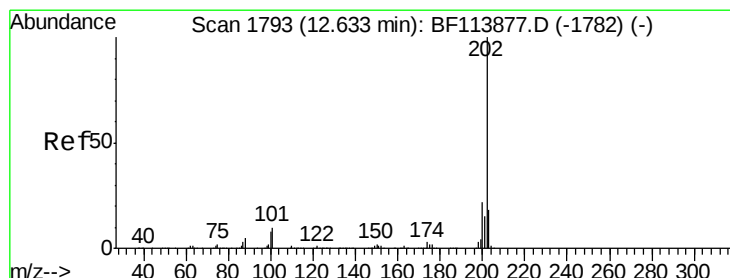
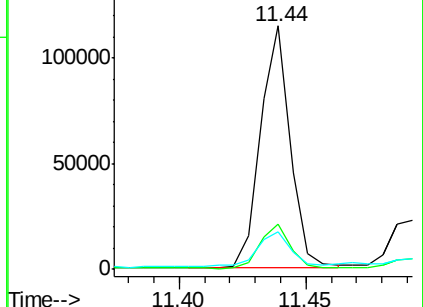
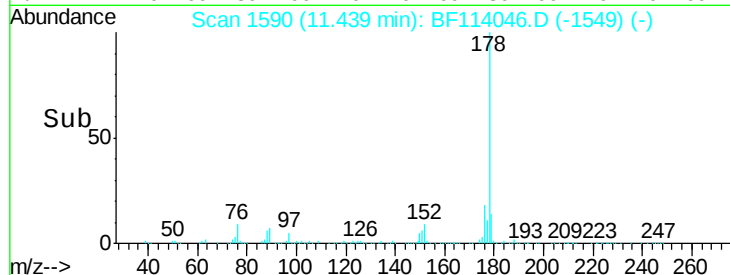
179 15.2 13.0 19.4



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: 6.289 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

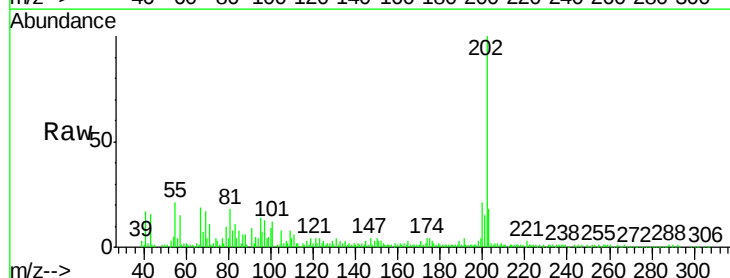
Tgt Ion:202 Resp: 123897

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.9

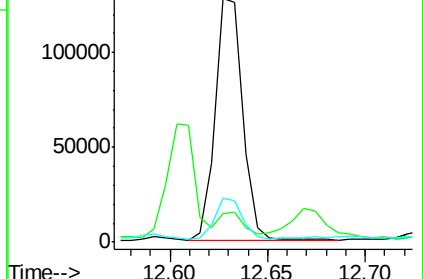
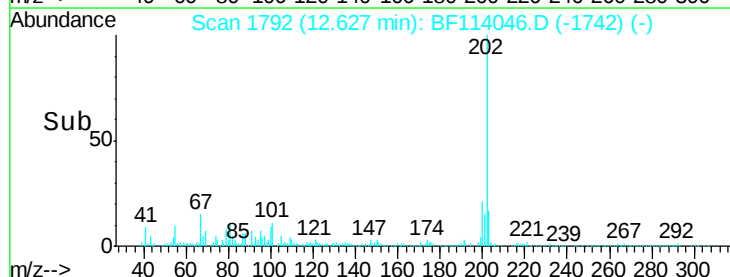
203 18.2 0.0 38.2

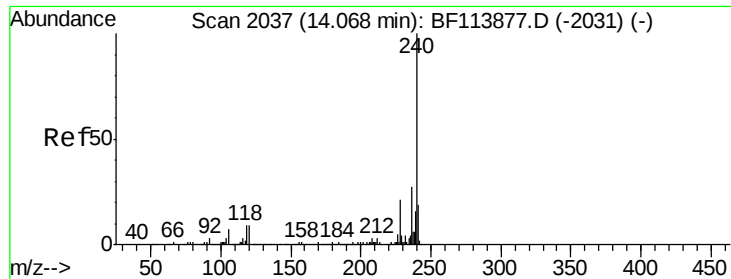


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

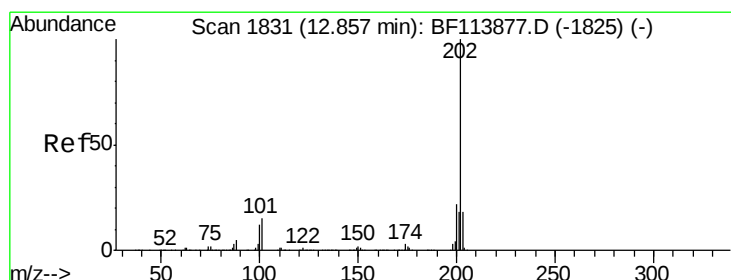
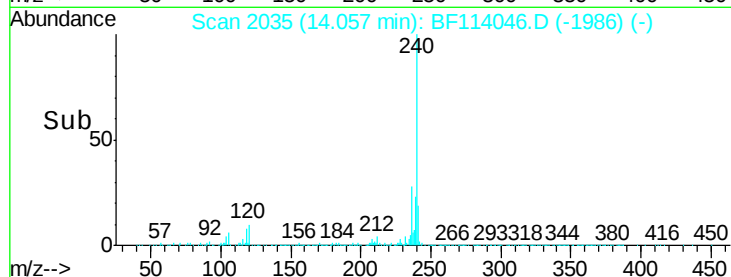
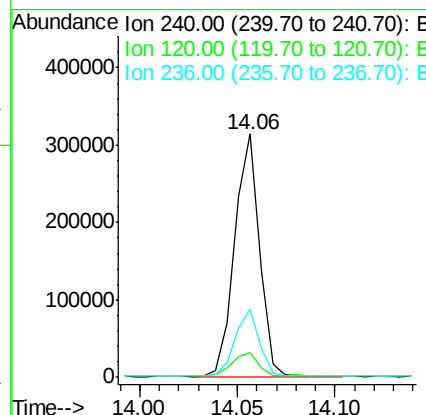
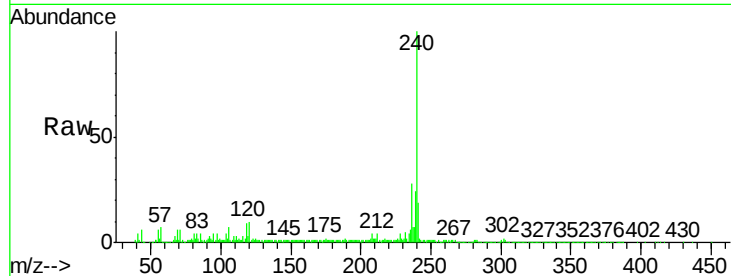




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF114046.D
Acq: 30 Apr 2019 17:03

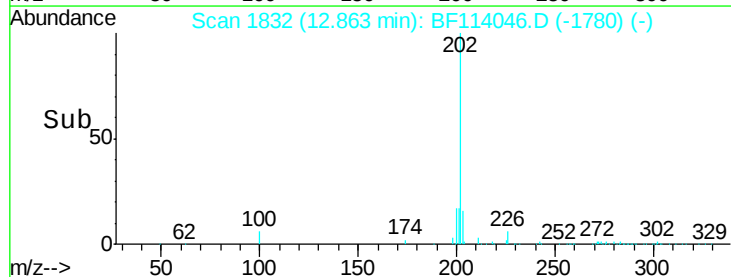
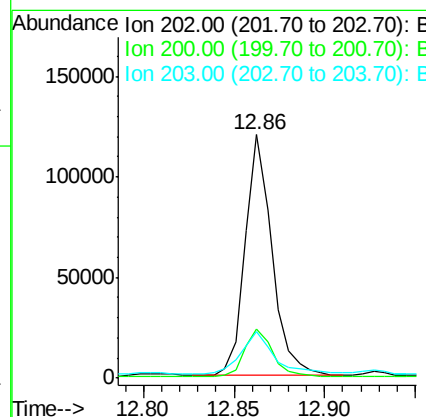
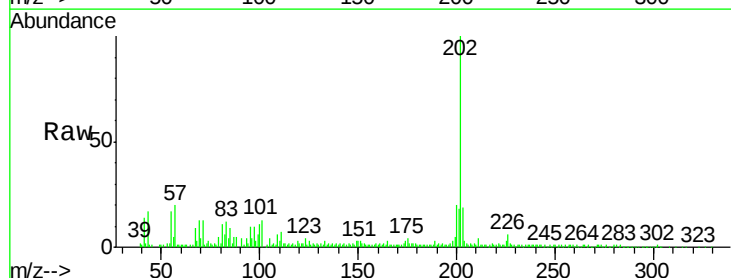
Instrument :
BNA_F
ClientSampleId :

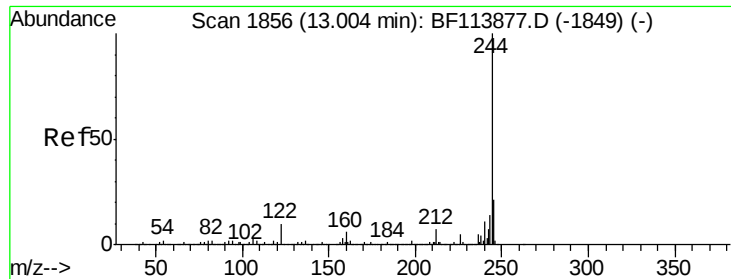
Tot Ion:240 Resp: 273919
Ion Ratio Lower Upper
240 100
120 10.2 9.3 13.9
236 27.8 21.2 31.8



#78
Pyrene
Concen: 6.462 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF114046.D
Acq: 30 Apr 2019 17:03

Tgt Ion:202 Resp: 123791
Ion Ratio Lower Upper
202 100
200 19.9 17.7 26.5
203 19.3 15.0 22.6





#79

Terphenyl-d14

Concen: 39.708 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

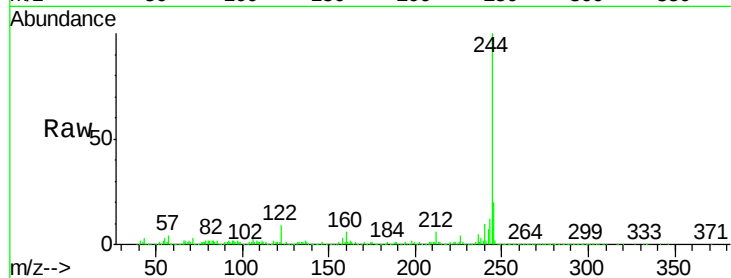
Tot Ion:244 Resp: 530537

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

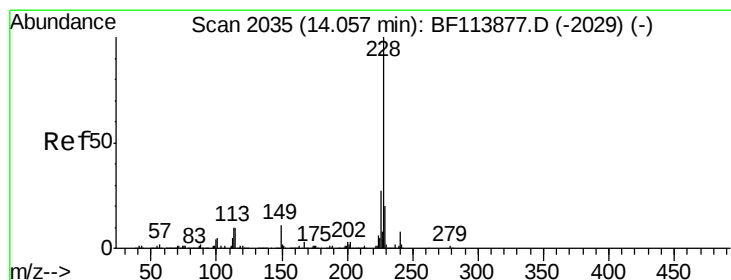
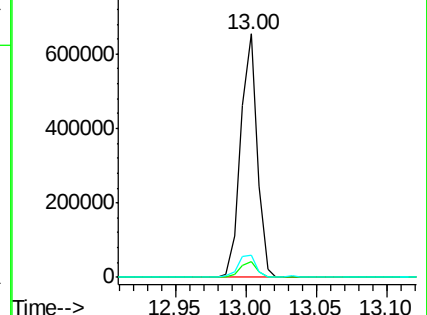
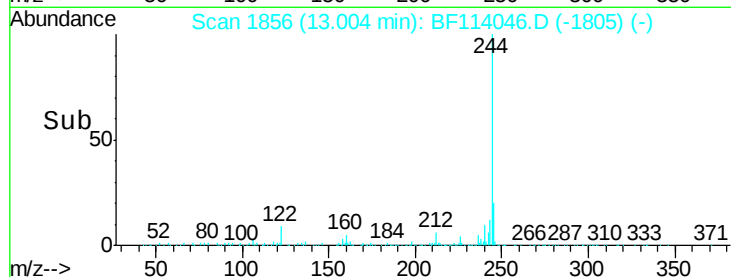
122 9.0 7.6 11.4



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: 3.072 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

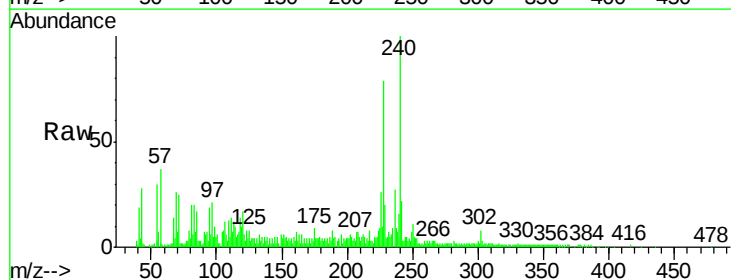
Tgt Ion:228 Resp: 49583

Ion Ratio Lower Upper

228 100

226 32.6 22.2 33.2

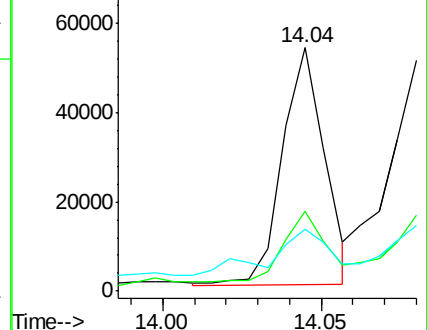
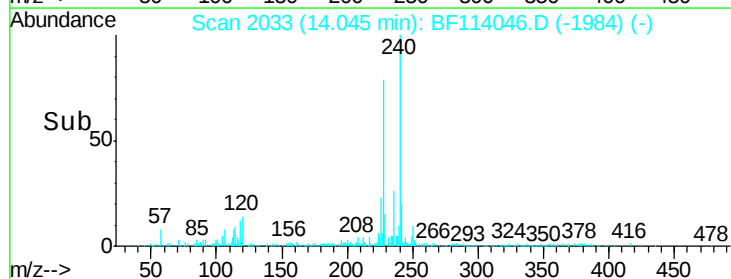
229 25.4 16.0 24.0#

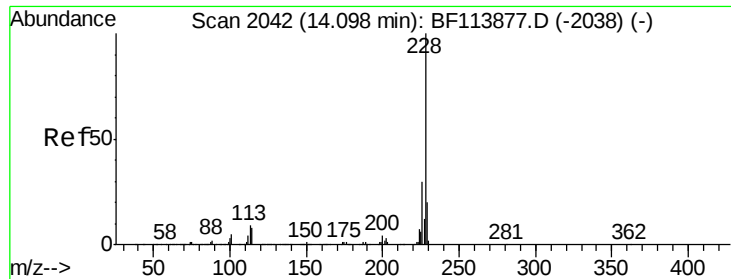


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.042 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

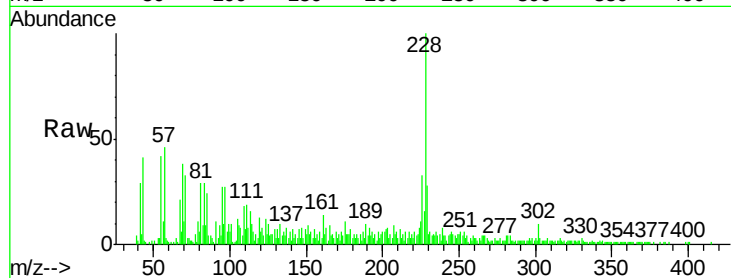
Tot Ion:228 Resp: 47821

Ion Ratio Lower Upper

228 100

226 32.8 25.2 37.8

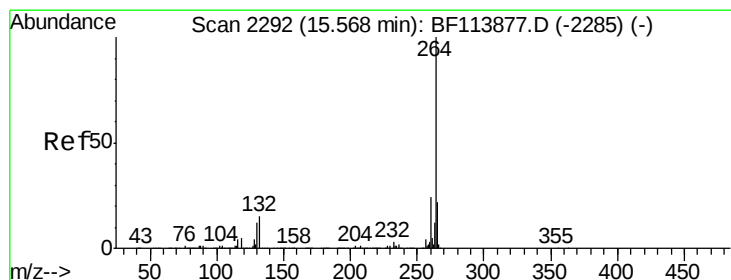
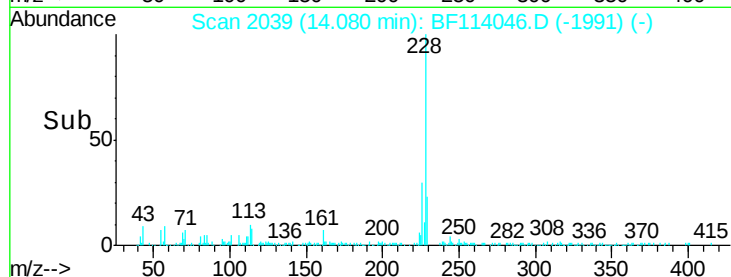
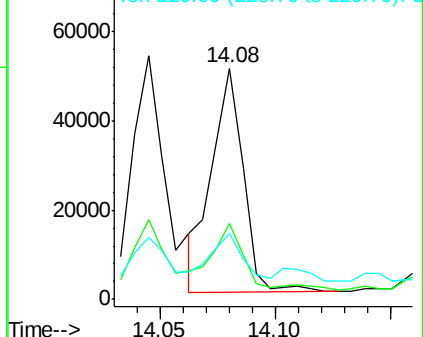
229 28.2 16.7 25.1#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

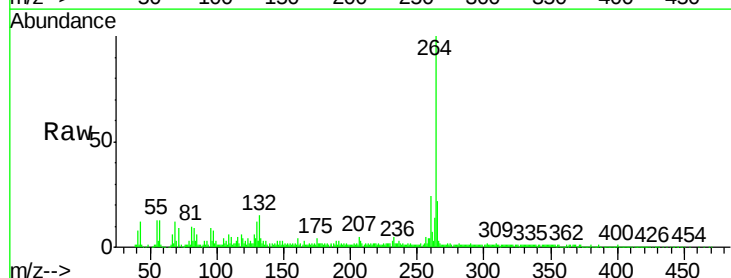
Tgt Ion:264 Resp: 211104

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

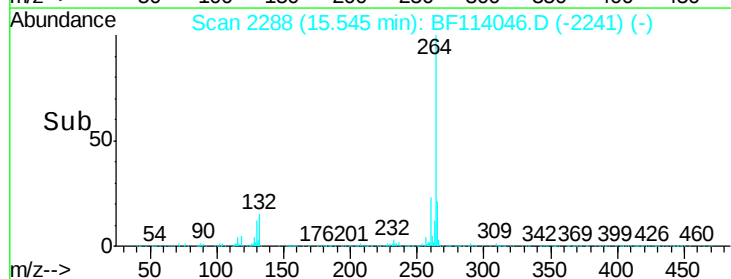
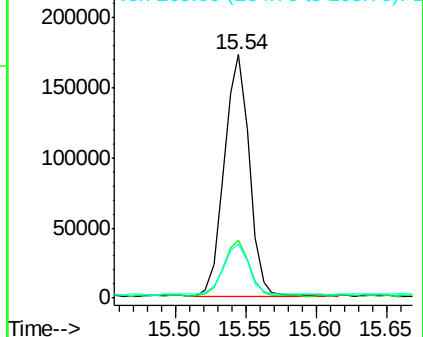
265 22.3 17.3 25.9

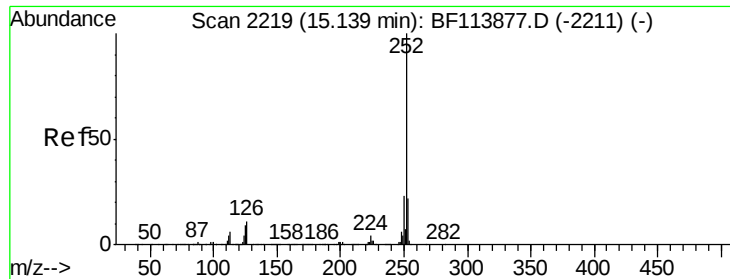


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

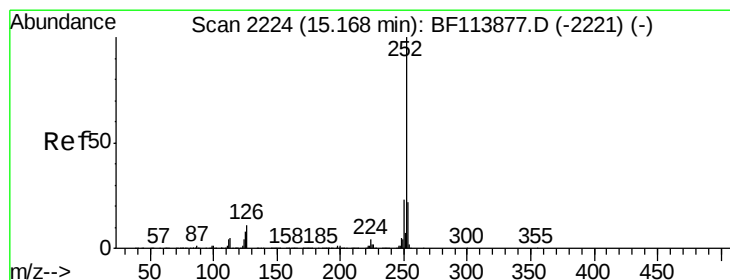
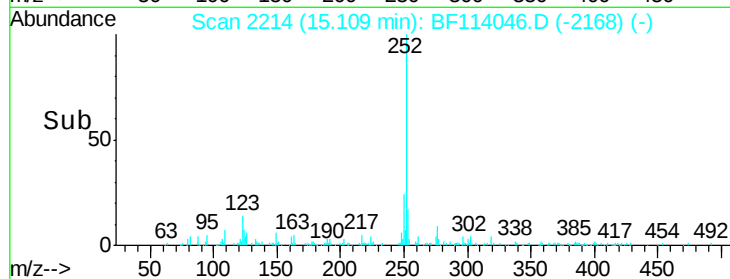
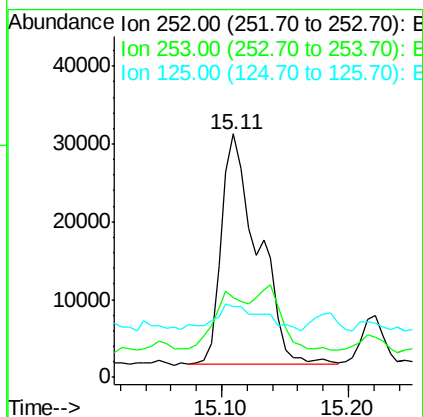
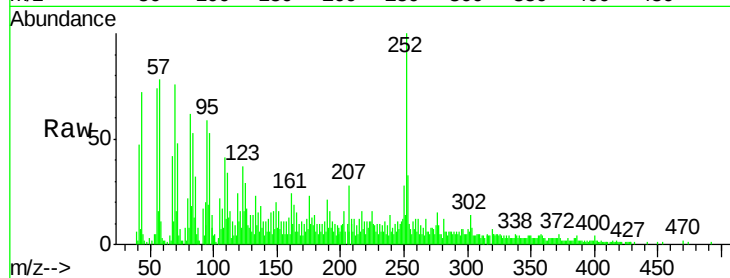




#88
Benzo(b)fluoranthene
Concen: 4.461 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF114046.D
Acq: 30 Apr 2019 17:03

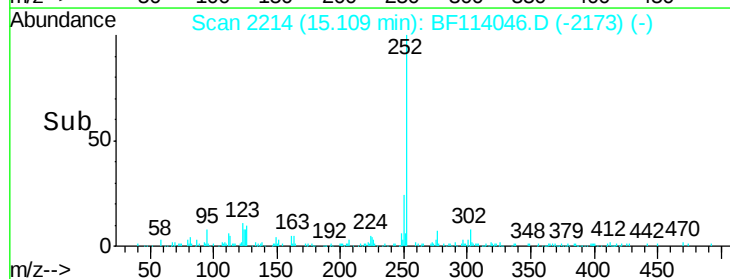
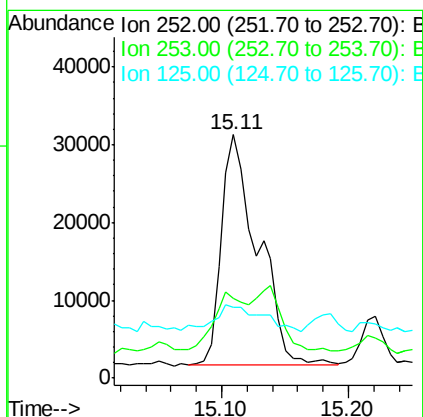
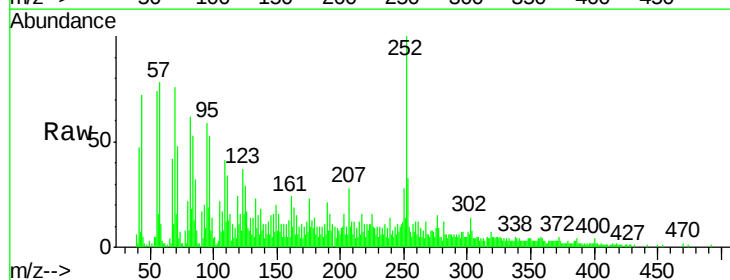
Instrument :
BNA_F
ClientSampleId :

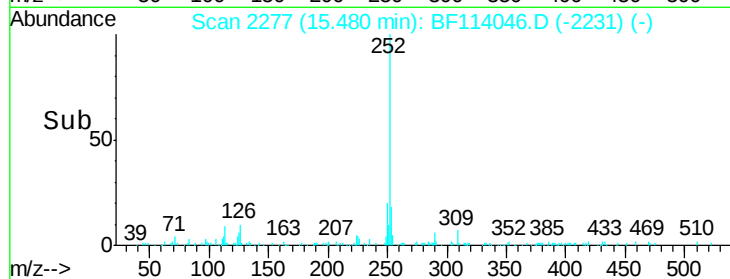
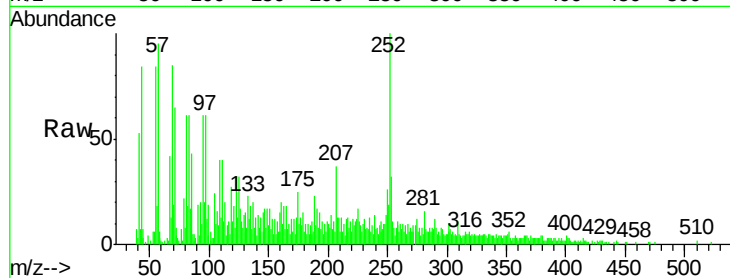
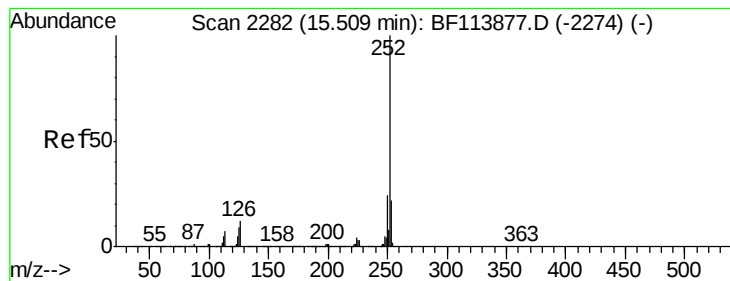
Tot Ion:252 Resp: 59587
Ion Ratio Lower Upper
252 100
253 32.7 17.8 26.6#
125 29.1 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 5.187 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF114046.D
Acq: 30 Apr 2019 17:03

Tgt Ion:252 Resp: 59587
Ion Ratio Lower Upper
252 100
253 32.7 18.2 27.2#
125 29.1 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.790 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.03 min

Lab File: BF114046.D

Acq: 30 Apr 2019 17:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 32230

Ion Ratio Lower Upper

252 100

253 31.7 17.5 26.3#

125 32.0 8.5 12.7#

