

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
 Data File : BF114063.D
 Acq On : 1 May 2019 12:36
 Operator : JU/SJ
 Sample : K2194-07RE 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 14:55:49 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	6.90	152	112879	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	427638	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	208927	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	390279	20.00	ng	0.00
76) Chrysene-d12	14.07	240	330176	20.00	ng	0.00
87) Perylene-d12	15.58	264	266201	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	290817	44.06	ng	0.00
7) Phenol-d6	6.52	99	416874	50.35	ng	0.00
23) Nitrobenzene-d5	7.45	82	241332	34.84	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	123668	48.59	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	529848	39.66	ng	0.00
79) Terphenyl-d14	13.01	244	605816	37.62	ng	0.00

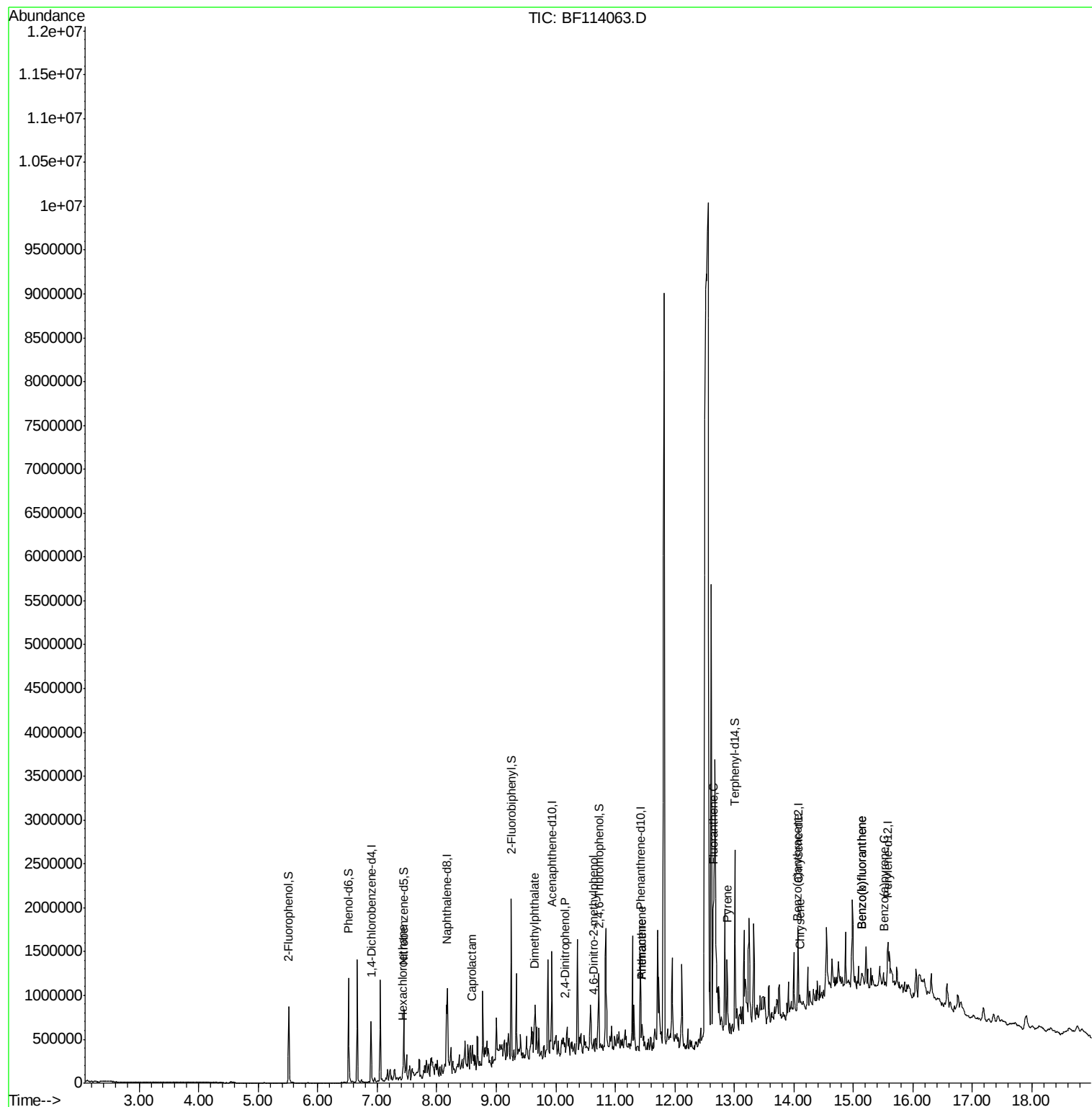
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	7679	Below Cal		83
18) Hexachloroethane	7.43	117	8061	2.679 ng	#	1
35) Caprolactam	8.60	113	6361	3.074 ng	#	1
50) Dimethylphthalate	9.64	163	74757	4.948 ng	#	97
54) 2,4-Dinitrophenol	10.16	184	158	8.420 ng	#	95
65) 4,6-Dinitro-2-methylphenol	10.64	198	125	7.367 ng	#	1
71) Phenanthrene	11.44	178	100769	5.138 ng		99
72) Anthracene	11.44	178	100769	5.088 ng		100
75) Fluoranthene	12.64	202	133716	6.249 ng		98
78) Pyrene	12.87	202	138827	6.013 ng		97
81) Benzo(a)anthracene	14.06	228	61386	3.156 ng	#	92
83) Chrysene	14.10	228	62585	3.303 ng	#	92
88) Benzo(b)fluoranthene	15.14	252	77540	4.604 ng	#	65
89) Benzo(k)fluoranthene	15.14	252	77540	5.352 ng	#	66
90) Benzo(a)pyrene	15.52	252	40685	2.793 ng	#	70

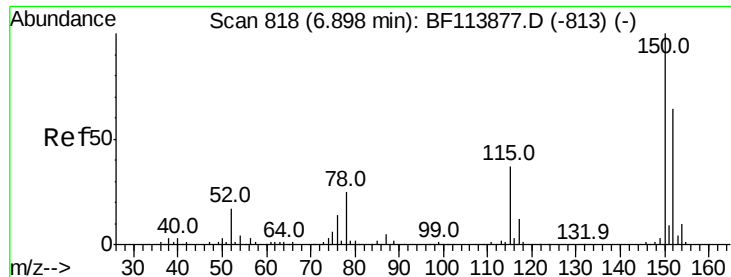
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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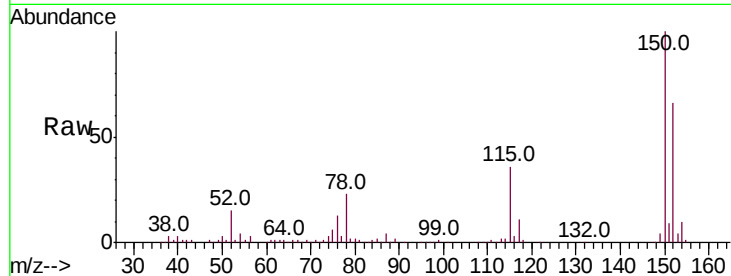


#1

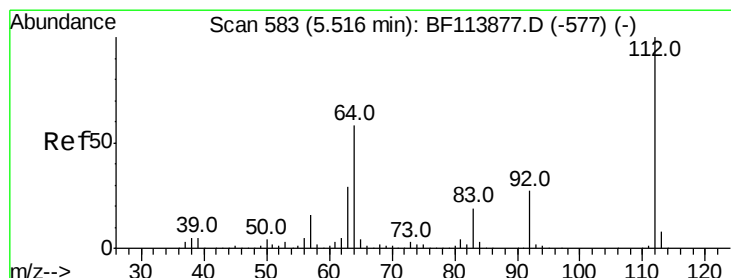
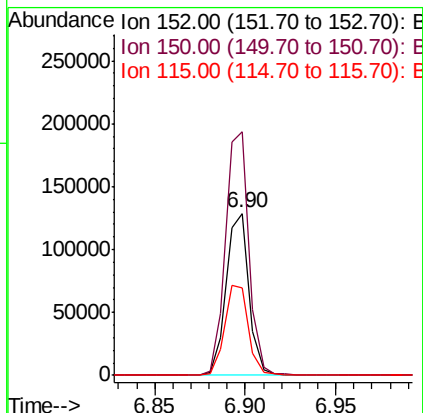
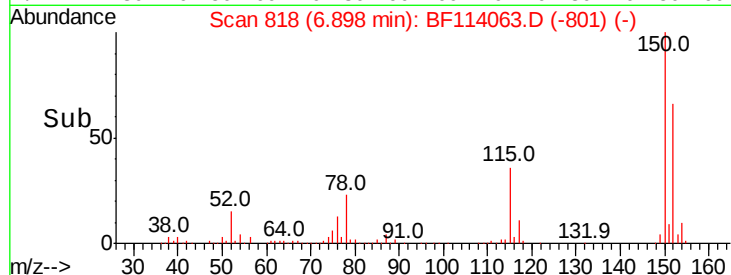
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112879
Ion Ratio Lower Upper
152 100
150 150.6 125.9 188.9
115 54.3 45.9 68.9



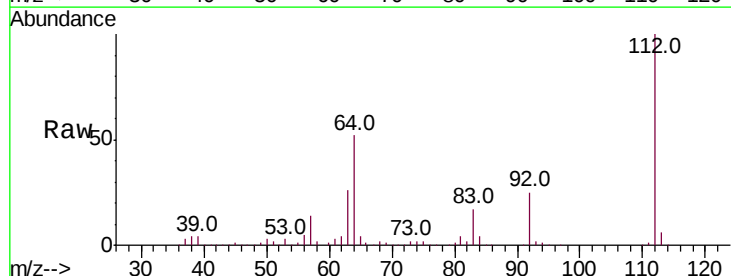
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



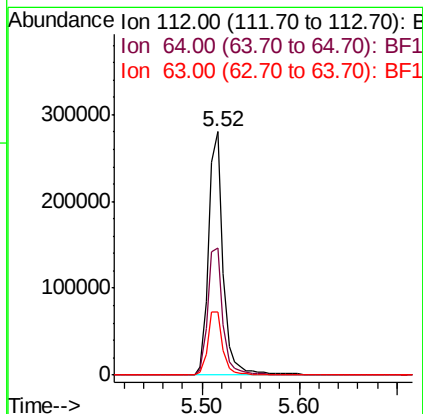
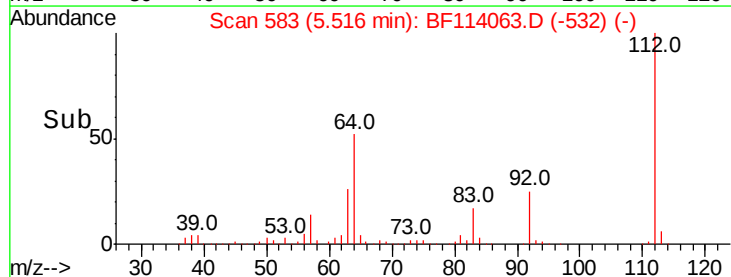
#5

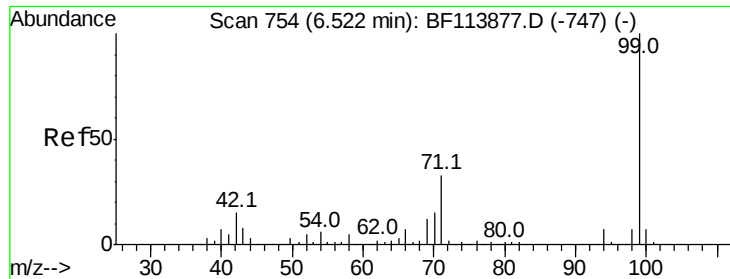
2-Fluorophenol
Concen: 44.065 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

Tgt Ion:112 Resp: 290817
Ion Ratio Lower Upper
112 100
64 52.0 46.6 69.8
63 25.8 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: 50.346 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Instrument :

BNA_F

ClientSampled :

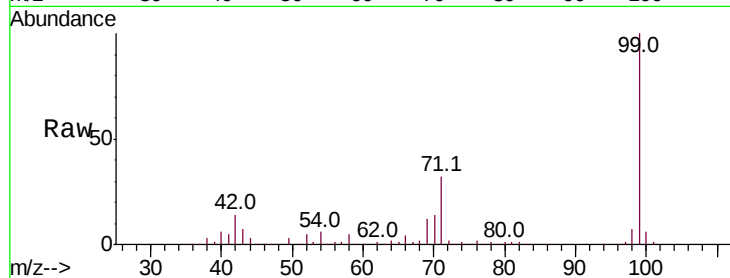
Tot Ion: 99 Resp: 416874

Ion Ratio Lower Upper

99 100

42 13.9 12.5 18.7

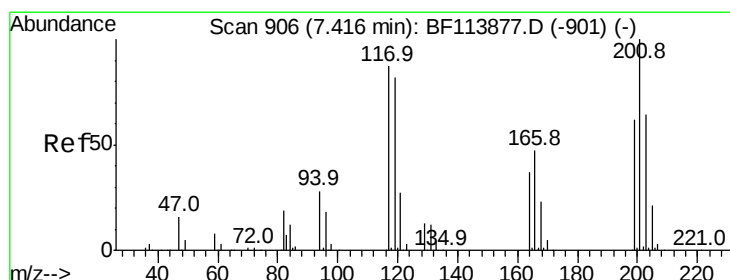
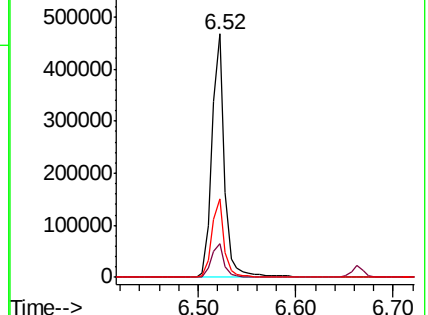
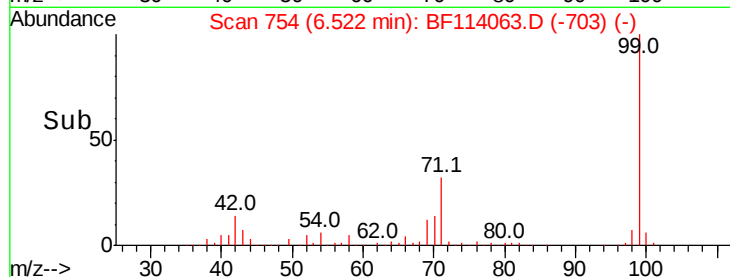
71 32.5 26.9 40.3



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: 2.679 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.01 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

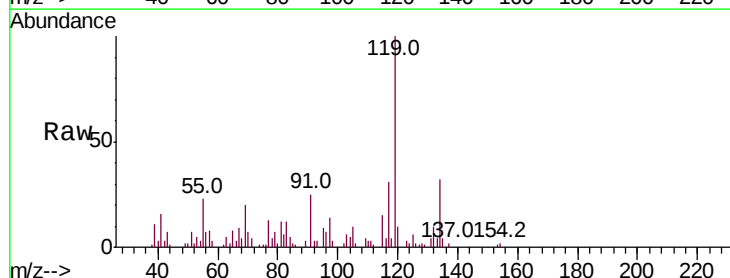
Tgt Ion: 117 Resp: 8061

Ion Ratio Lower Upper

117 100

119 321.9 74.4 111.6#

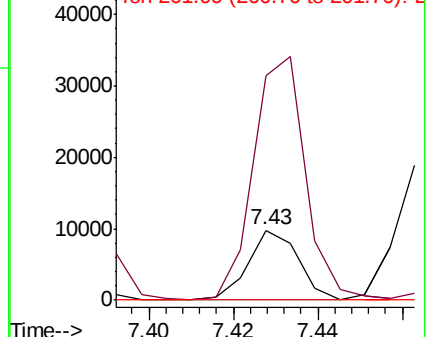
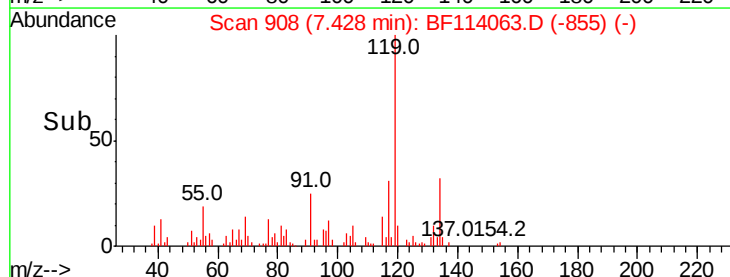
201 0.0 90.2 135.2#

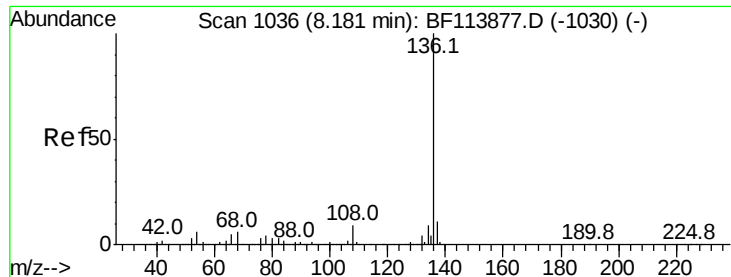


Abundance Ion 117.00 (116.70 to 117.70): E

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: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 427638

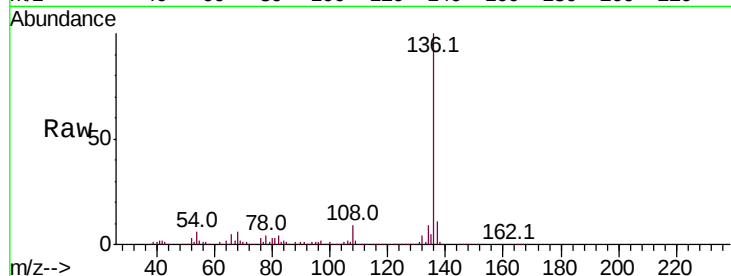
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.1 5.0 7.6

68 6.0 4.9 7.3

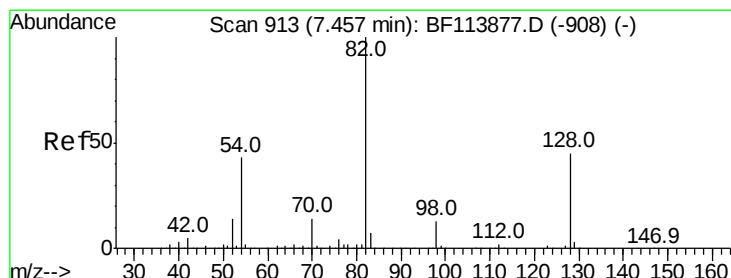
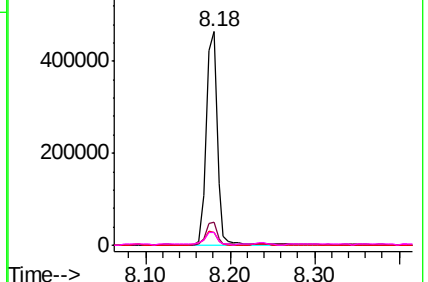
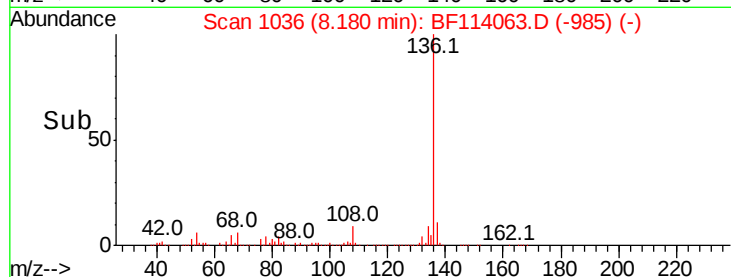


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 34.844 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

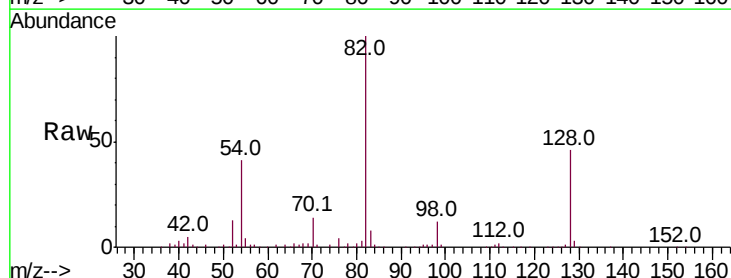
Tgt Ion: 82 Resp: 241332

Ion Ratio Lower Upper

82 100

128 45.7 36.8 55.2

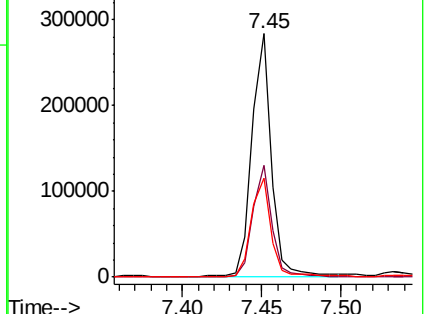
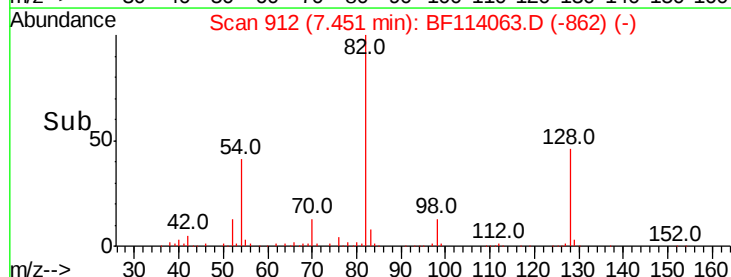
54 40.7 33.8 50.6

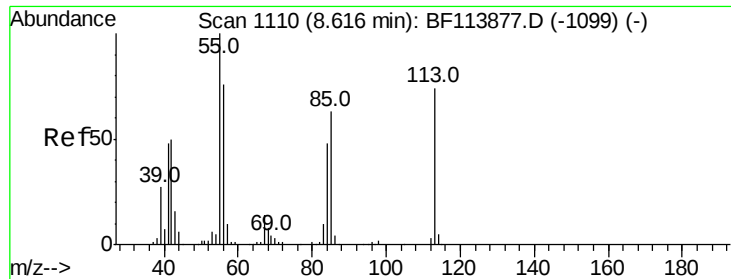


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

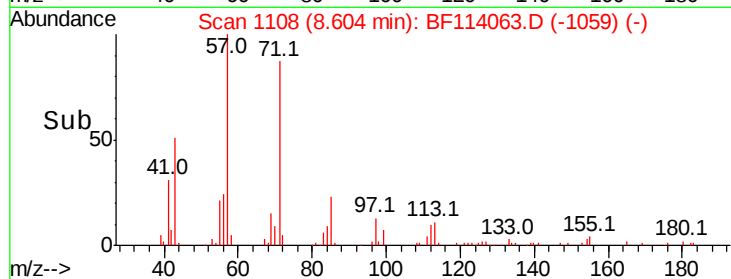
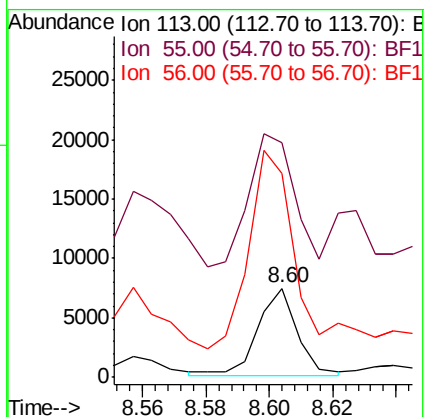
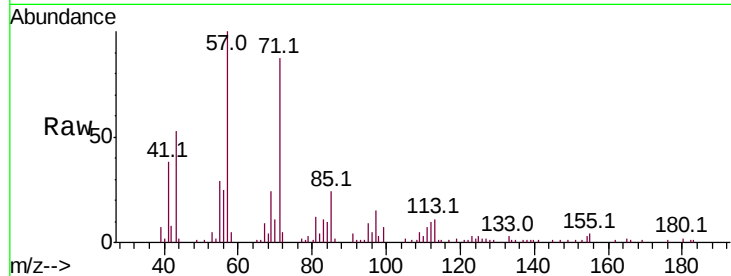




#35
 Caprolactam
 Concen: 3.074 ng
 RT: 8.60 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BF114063.D
 Acq: 1 May 2019 12:36

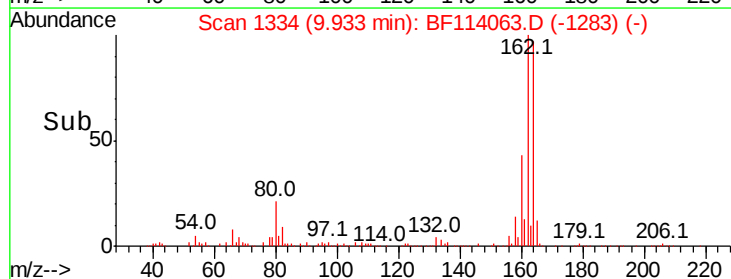
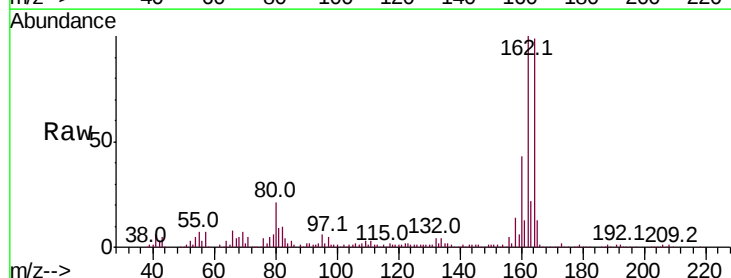
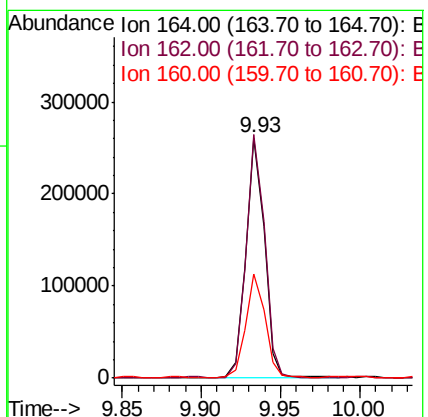
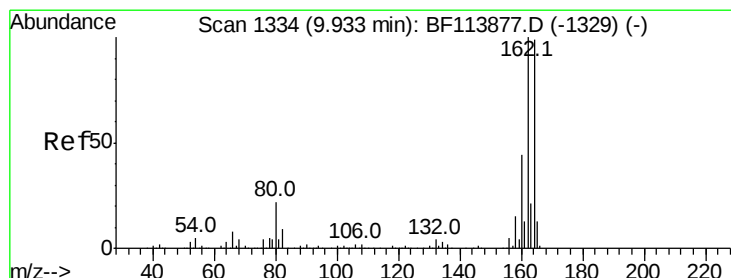
Instrument :
 BNA_F
 ClientSampled :

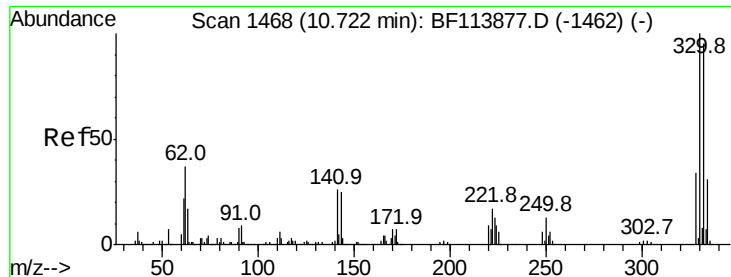
Tot Ion:113 Resp: 6361
 Ion Ratio Lower Upper
 113 100
 55 263.0 128.6 168.6#
 56 228.8 91.9 131.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF114063.D
 Acq: 1 May 2019 12:36

Tgt Ion:164 Resp: 208927
 Ion Ratio Lower Upper
 164 100
 162 101.3 81.1 121.7
 160 43.4 35.8 53.6

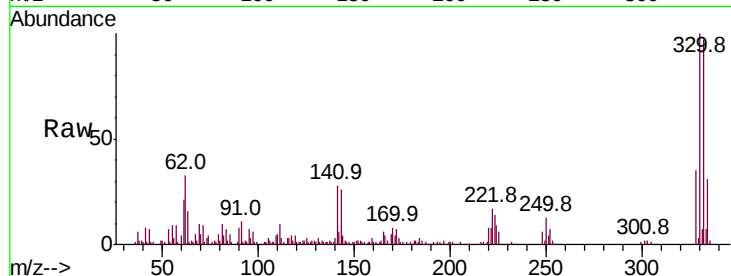




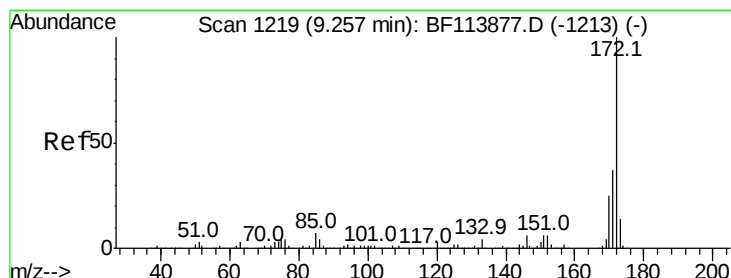
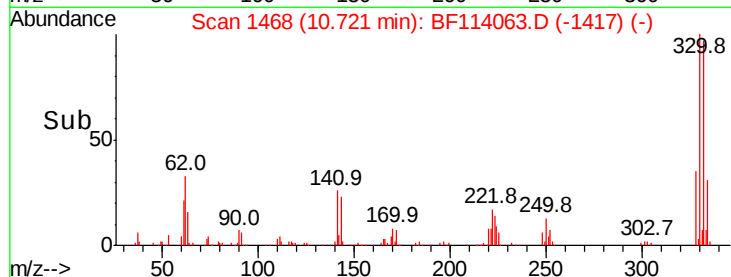
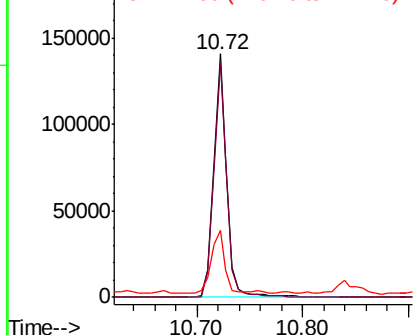
#42
 2,4,6-Tribromophenol
 Concen: 48.590 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF114063.D
 Acq: 1 May 2019 12:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.5	116.3
141	26.8	22.2	33.2

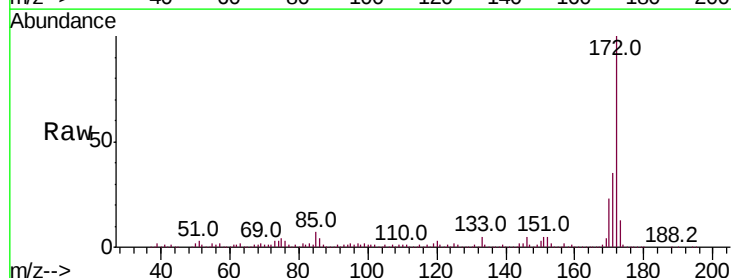


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

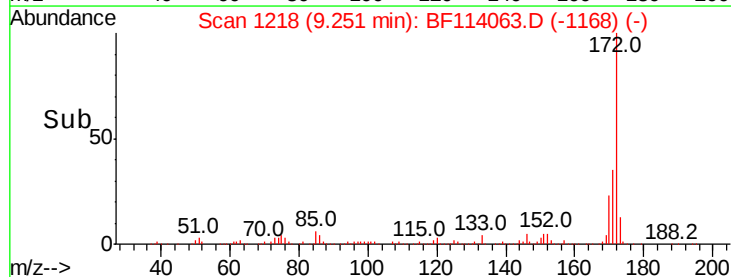
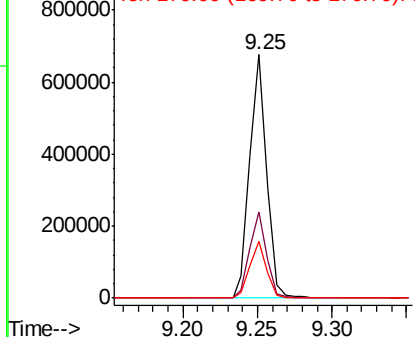


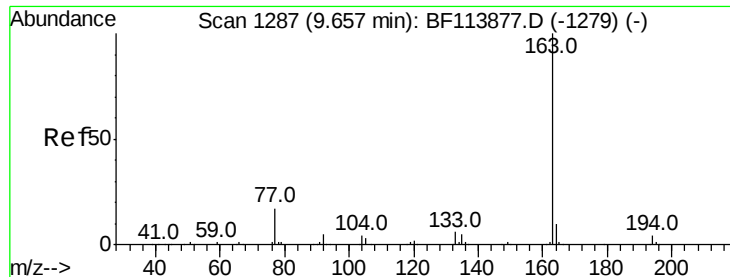
#45
 2-Fluorobiphenyl
 Concen: 39.664 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF114063.D
 Acq: 1 May 2019 12:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	23.2	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: 4.948 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Instrument :

BNA_F

ClientSampleId :

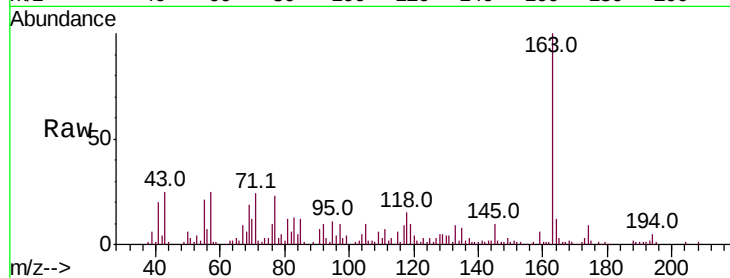
Tot Ion:163 Resp: 74757

Ion Ratio Lower Upper

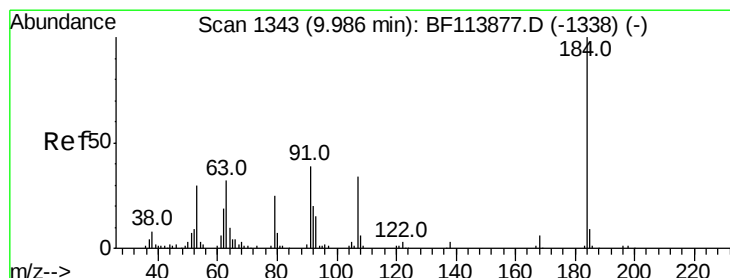
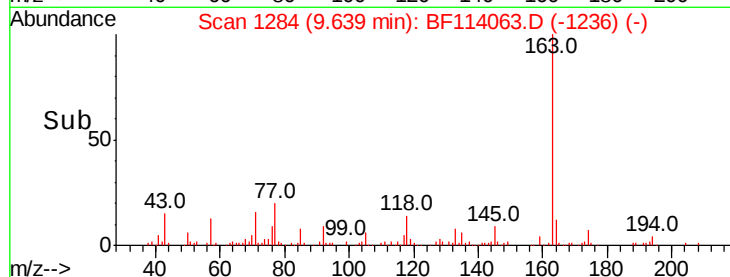
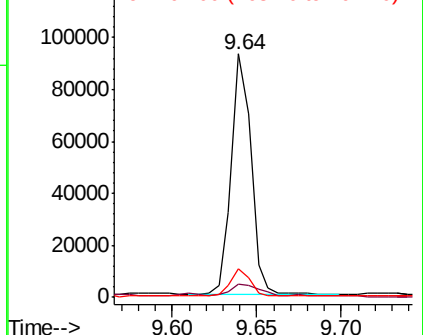
163 100

194 5.2 3.4 5.2#

164 11.8 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: 8.420 ng

RT: 10.16 min Scan# 1372

Delta R.T. 0.17 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

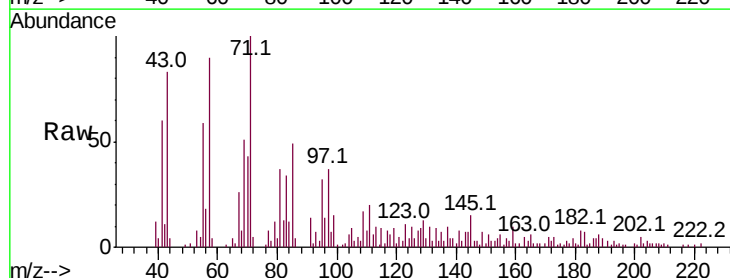
Tgt Ion:184 Resp: 158

Ion Ratio Lower Upper

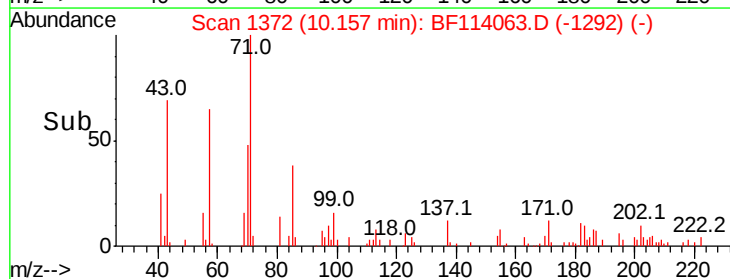
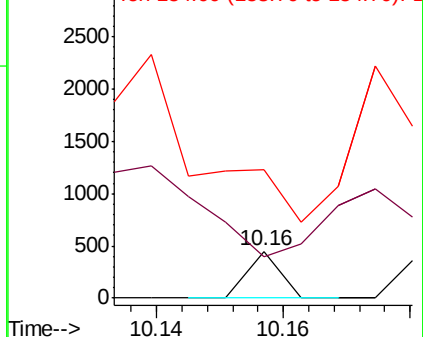
184 100

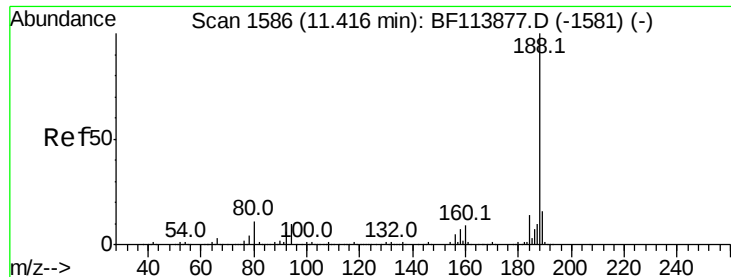
63 88.2 54.6 81.8#

154 272.8 218.6 328.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

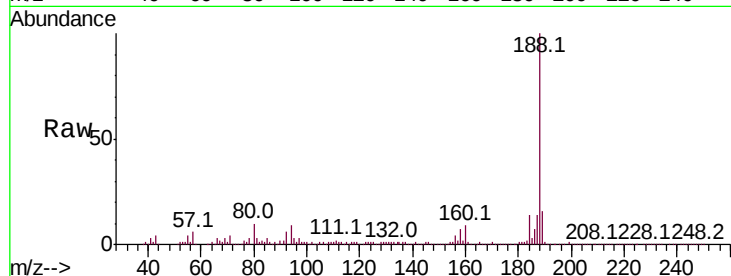




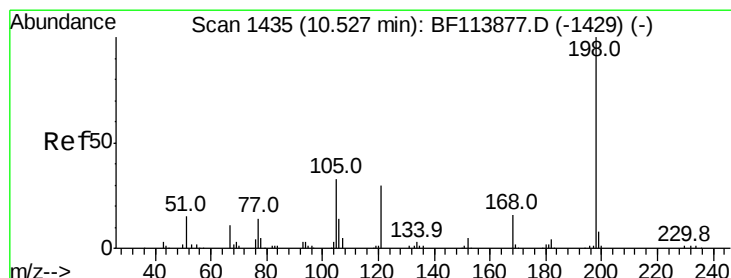
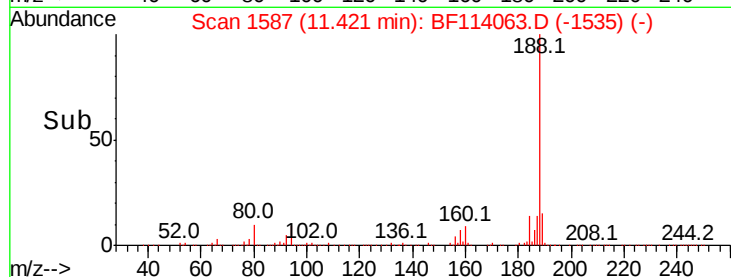
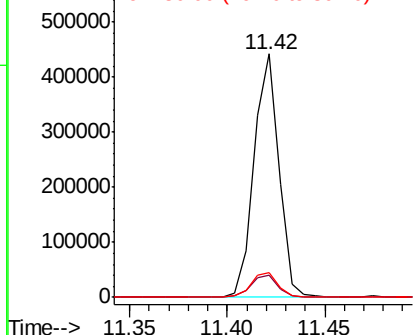
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 390279
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.4
80 9.9 9.0 13.6

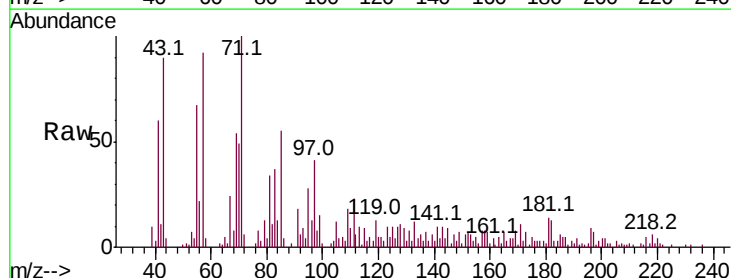


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

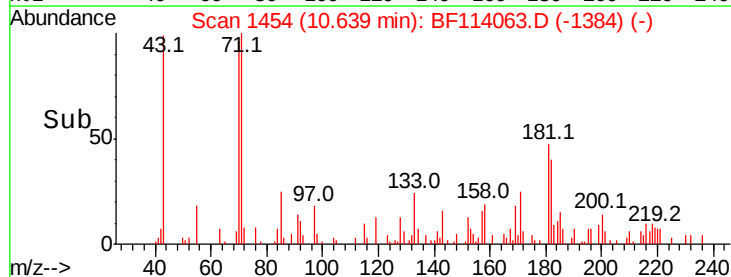
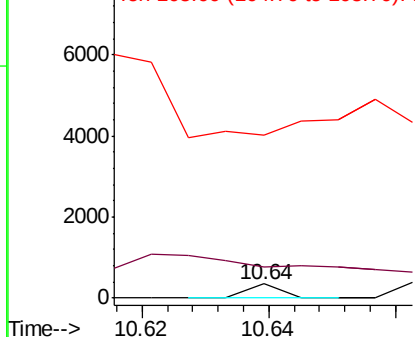


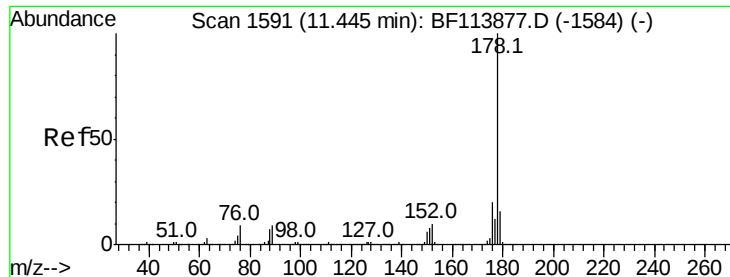
#65
4,6-Dinitro-2-methylphenol
Concen: 7.367 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.11 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

Tgt Ion:198 Resp: 125
Ion Ratio Lower Upper
198 100
51 218.9 11.1 51.1#
105 1129.9 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: 5.138 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Instrument :

BNA_F

ClientSampleId :

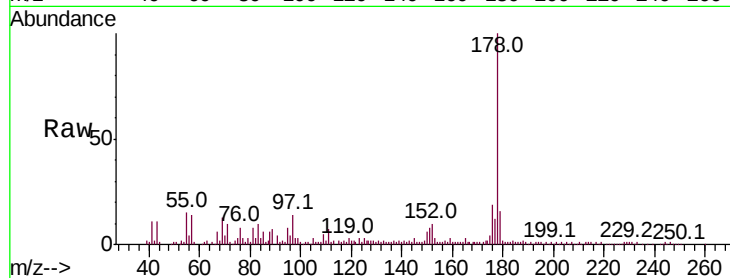
Tot Ion:178 Resp: 100769

Ion Ratio Lower Upper

178 100

176 19.3 16.1 24.1

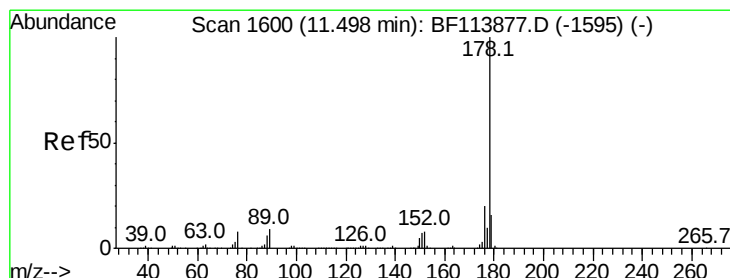
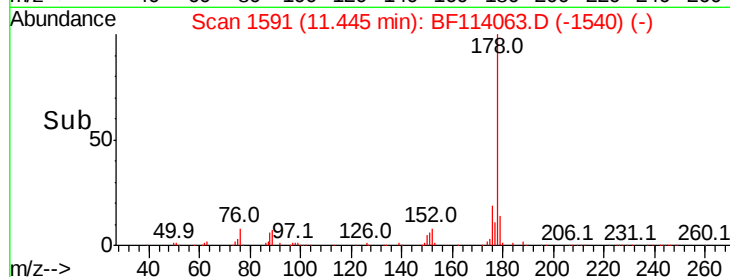
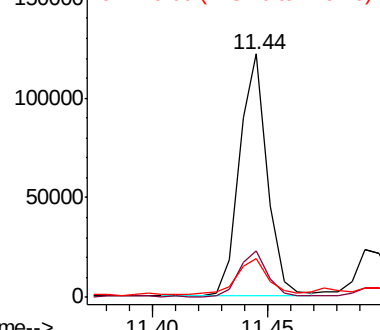
179 16.2 12.8 19.2



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: 5.088 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.05 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

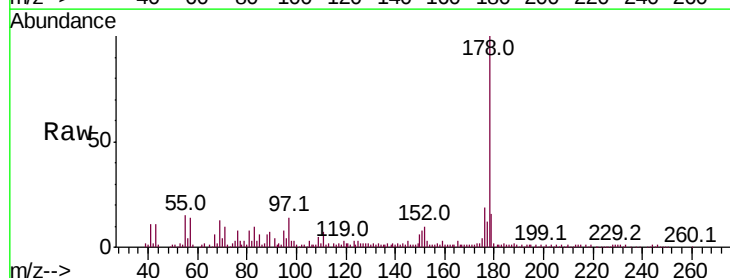
Tgt Ion:178 Resp: 100769

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

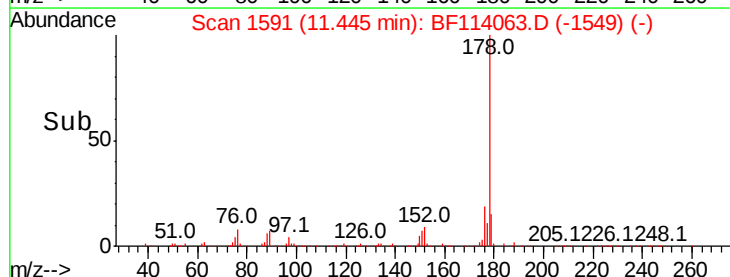
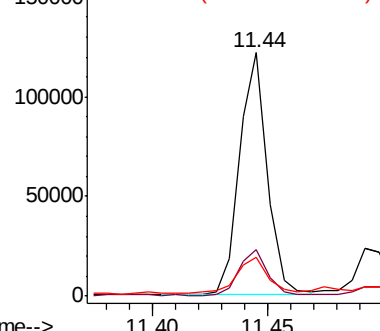
179 16.2 13.0 19.4

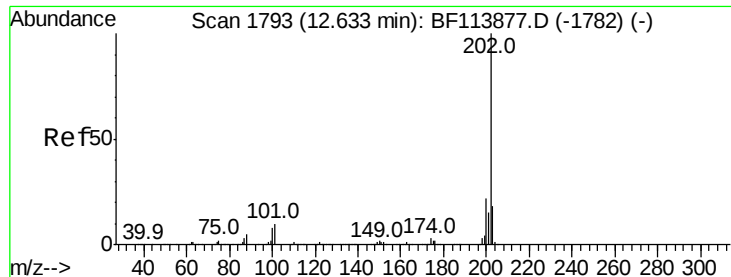


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.249 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Instrument :

BNA_F

ClientSampleId :

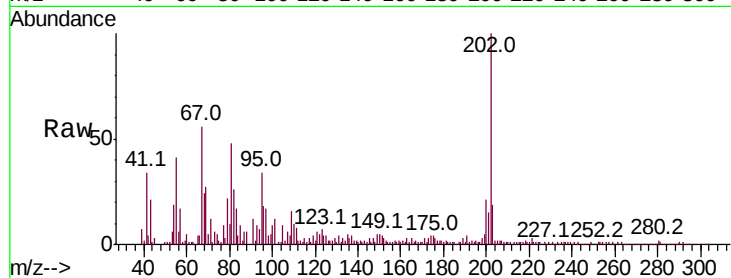
Tot Ion:202 Resp: 133716

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.9

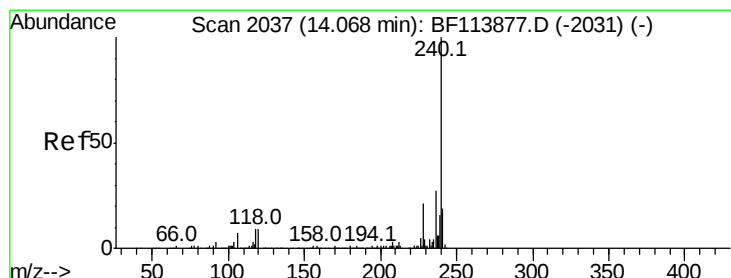
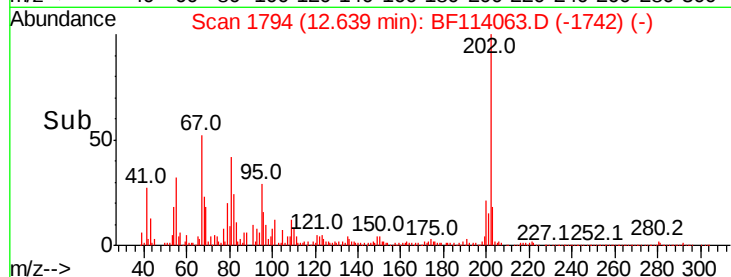
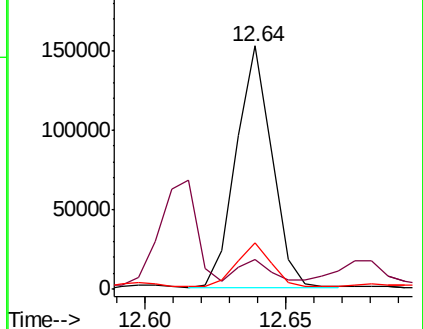
203 19.0 0.0 38.2



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: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

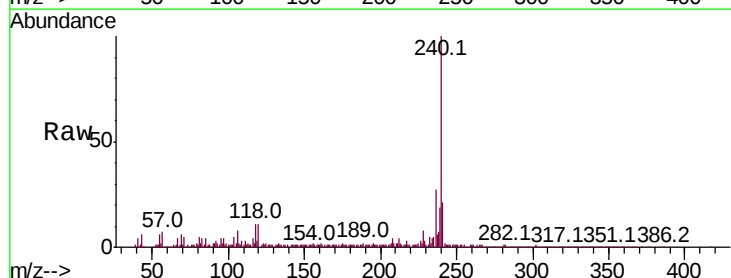
Tgt Ion:240 Resp: 330176

Ion Ratio Lower Upper

240 100

120 11.3 9.3 13.9

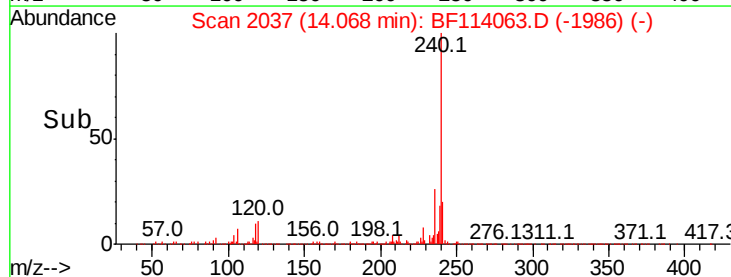
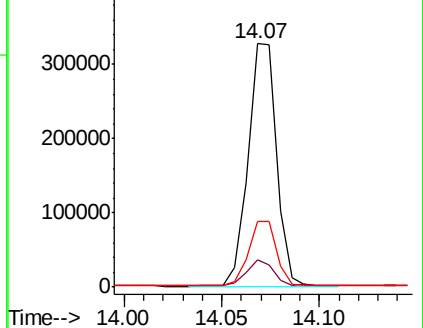
236 26.9 21.2 31.8

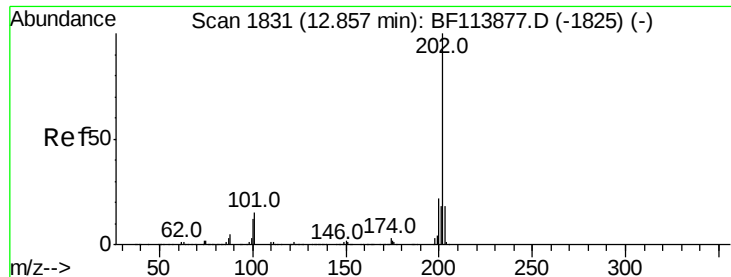


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

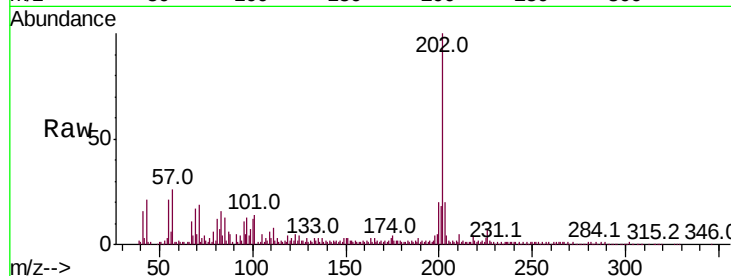




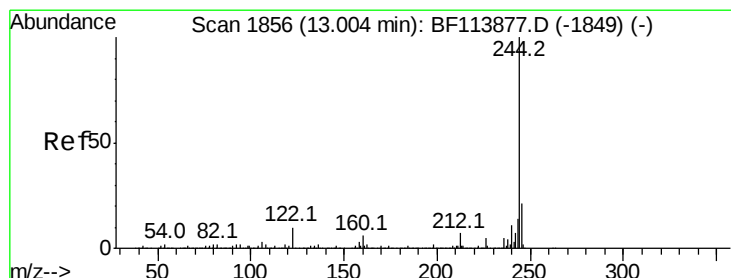
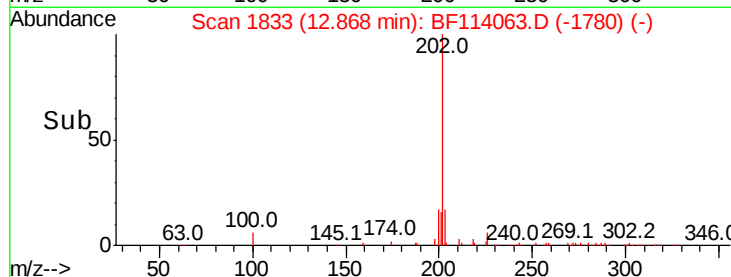
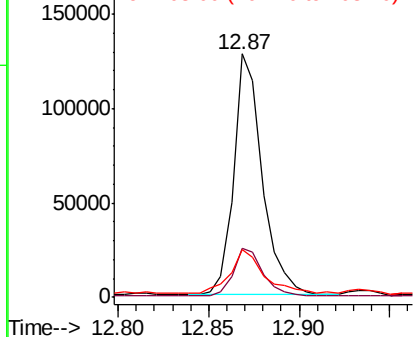
#78
Pvrene
Concen: 6.013 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.7	26.5
203	19.5	15.0	22.6

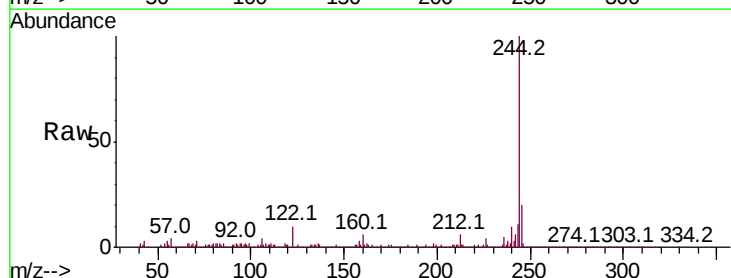


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

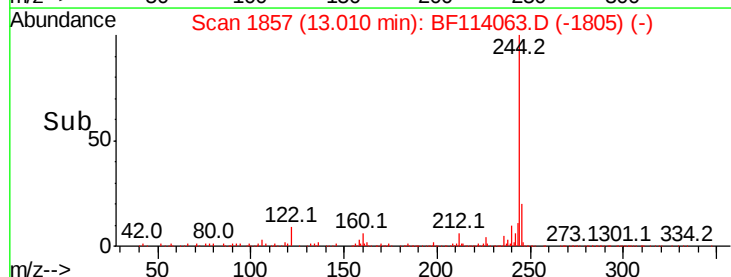
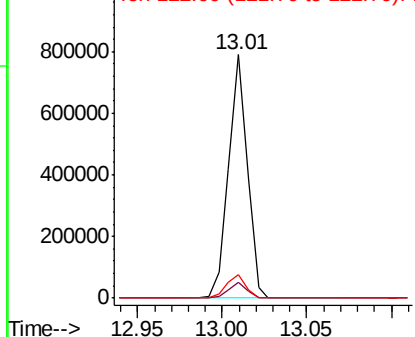


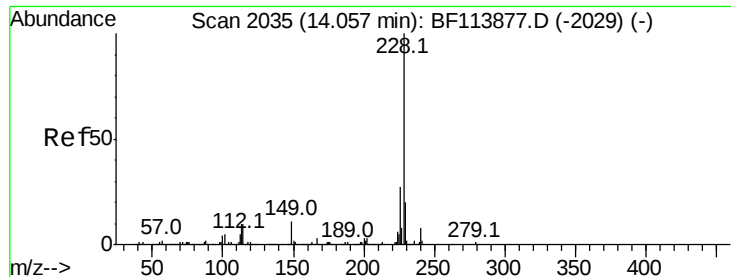
#79
Terphenyl-d14
Concen: 37.616 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	9.8	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

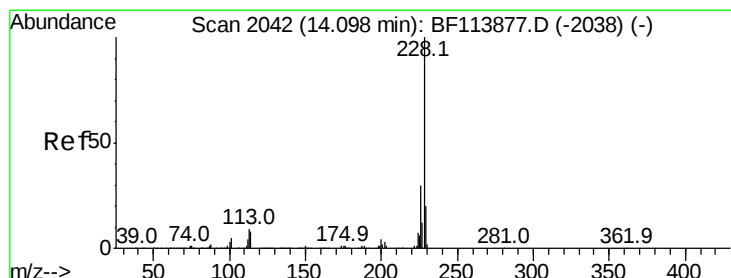
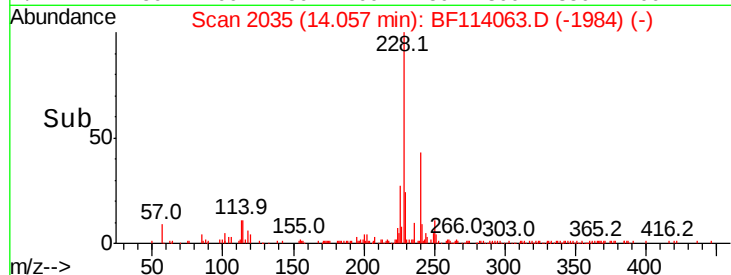
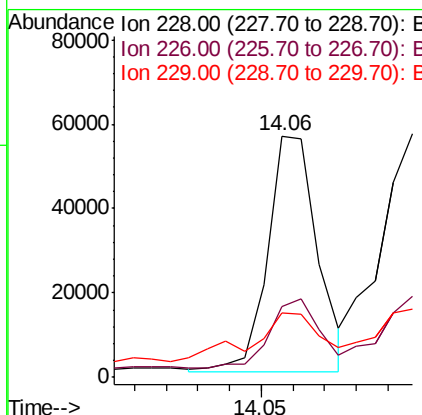
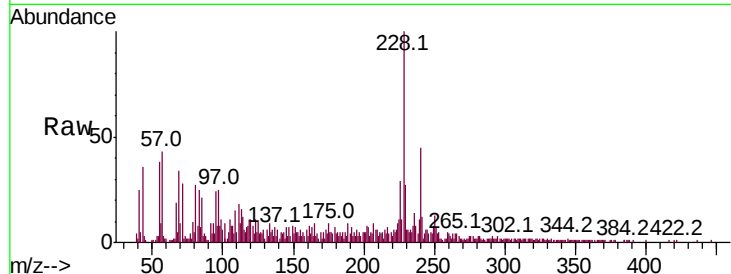




#81
Benzo(a)anthracene
Concen: 3.156 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

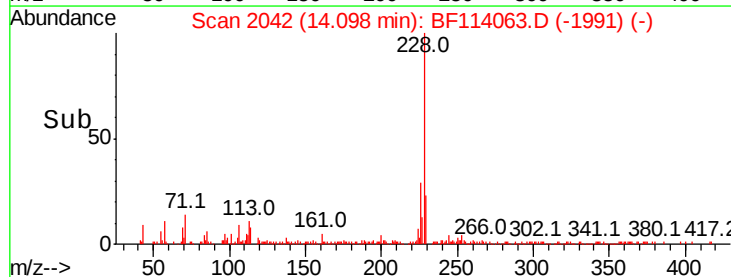
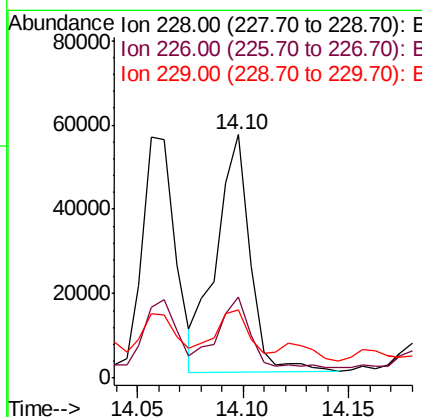
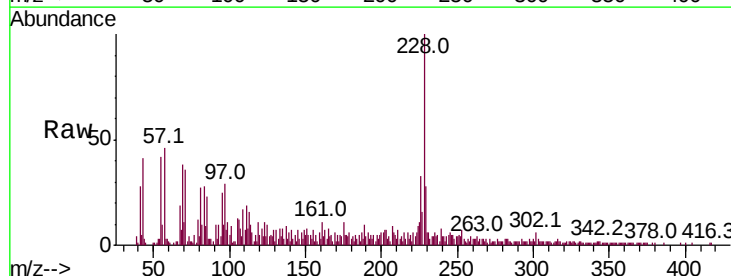
Instrument :
BNA_F
ClientSampleId :

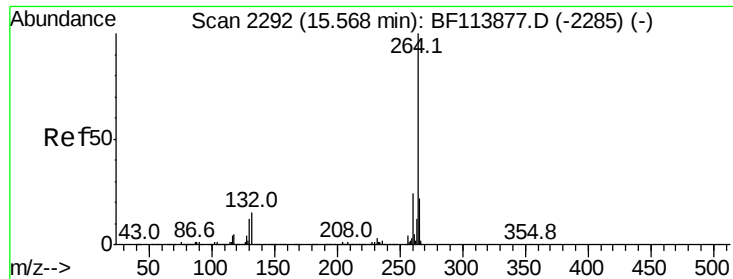
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.2
229	26.6	16.0	24.0



#83
Chrysene
Concen: 3.303 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.00 min
Lab File: BF114063.D
Acq: 1 May 2019 12:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.2	37.8
229	28.2	16.7	25.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Instrument :

BNA_F

ClientSampled :

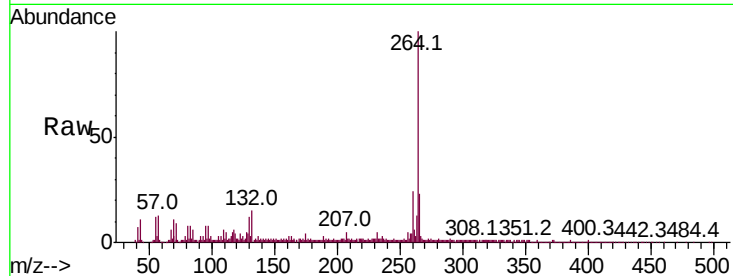
Tot Ion:264 Resp: 266201

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

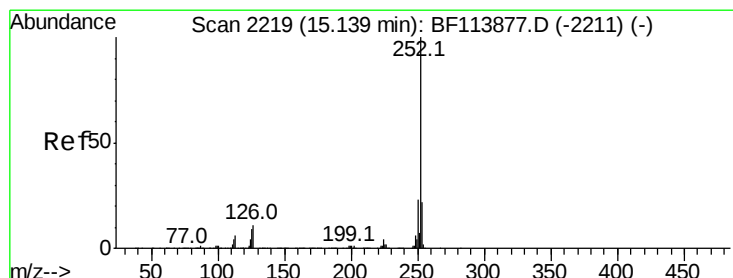
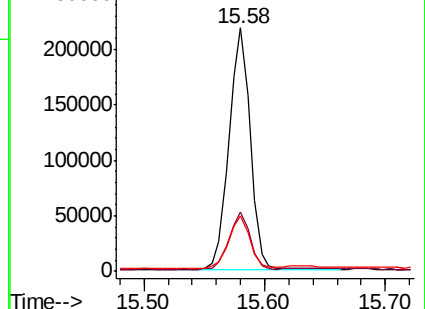
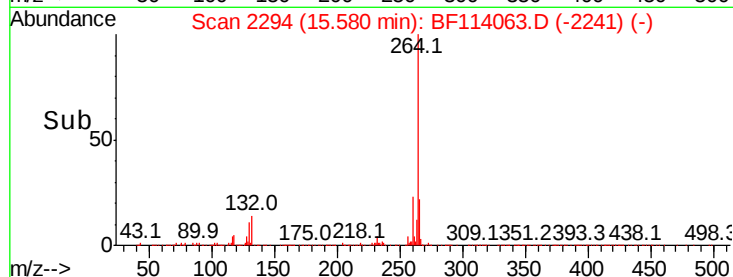
265 23.0 17.3 25.9



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: 4.604 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

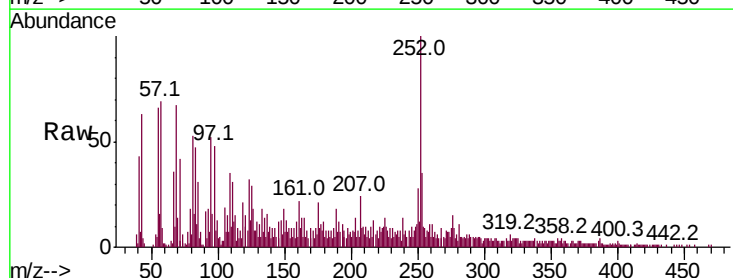
Tgt Ion:252 Resp: 77540

Ion Ratio Lower Upper

252 100

253 35.2 17.8 26.6#

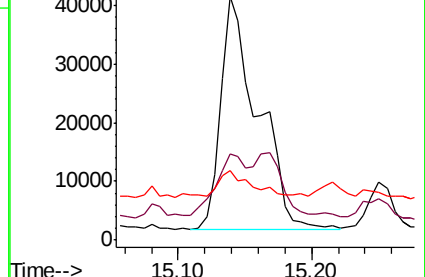
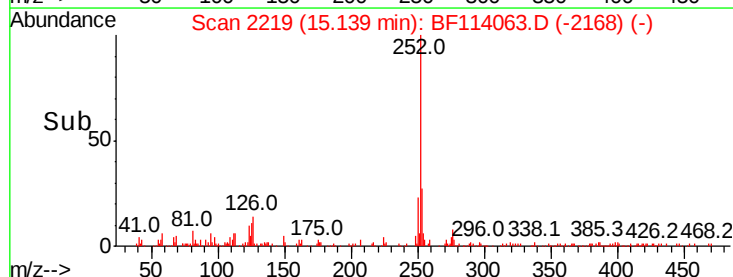
125 28.5 7.0 10.6#

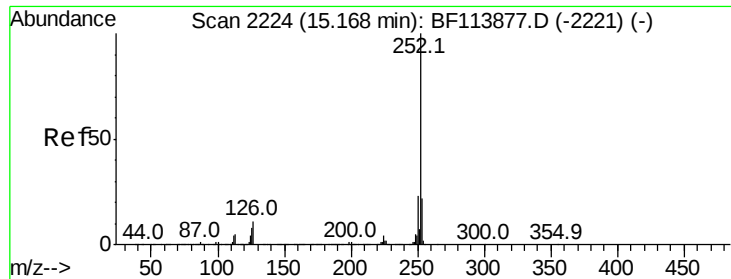


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.352 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Instrument :

BNA_F

ClientSampleId :

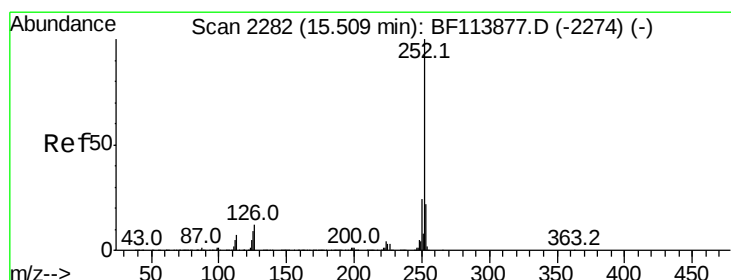
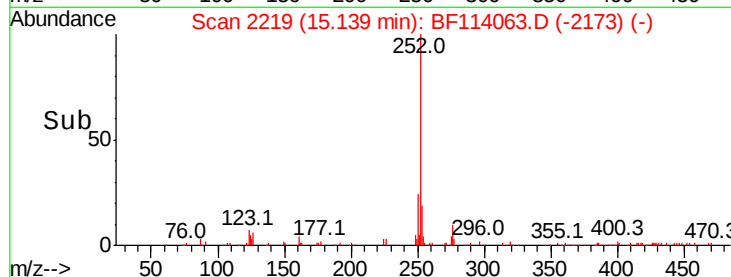
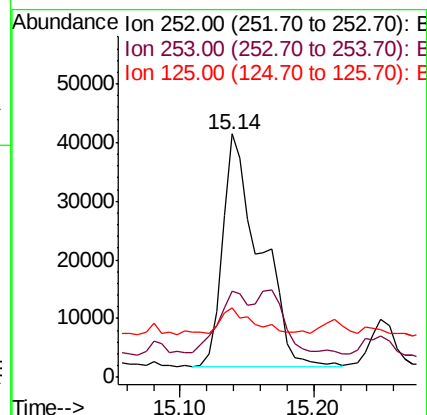
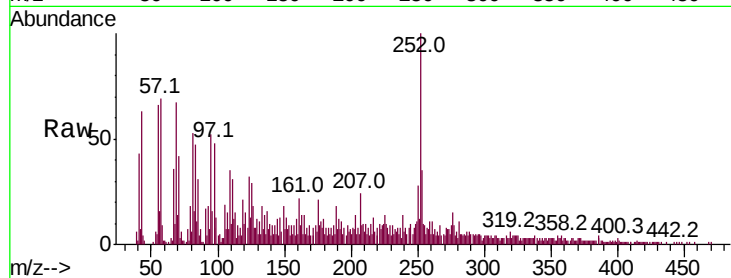
Tot Ion:252 Resp: 77540

Ion Ratio Lower Upper

252 100

253 35.2 18.2 27.2#

125 28.5 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 2.793 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF114063.D

Acq: 1 May 2019 12:36

Tgt Ion:252 Resp: 40685

Ion Ratio Lower Upper

252 100

253 31.0 17.5 26.3#

125 30.3 8.5 12.7#

