

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096279.D
 Acq On : 29 Jun 2017 5:59
 Operator : SJ/MA
 Sample : I3928-02 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 06:33:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	131382	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	502260	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	203427	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	337651	20.00	ng	0.01
75) Chrysene-d12	13.94	240	267785	20.00	ng	0.02
86) Perylene-d12	15.36	264	215297	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	62226	6.82	ng	0.00
7) Phenol-d6	6.40	99	74019	6.70	ng	0.01
23) Nitrobenzene-d5	7.33	82	33908	4.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	11640	7.27	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	54302	4.89	ng	-0.01
78) Terphenyl-d14	12.88	244	45037	4.20	ng	0.01

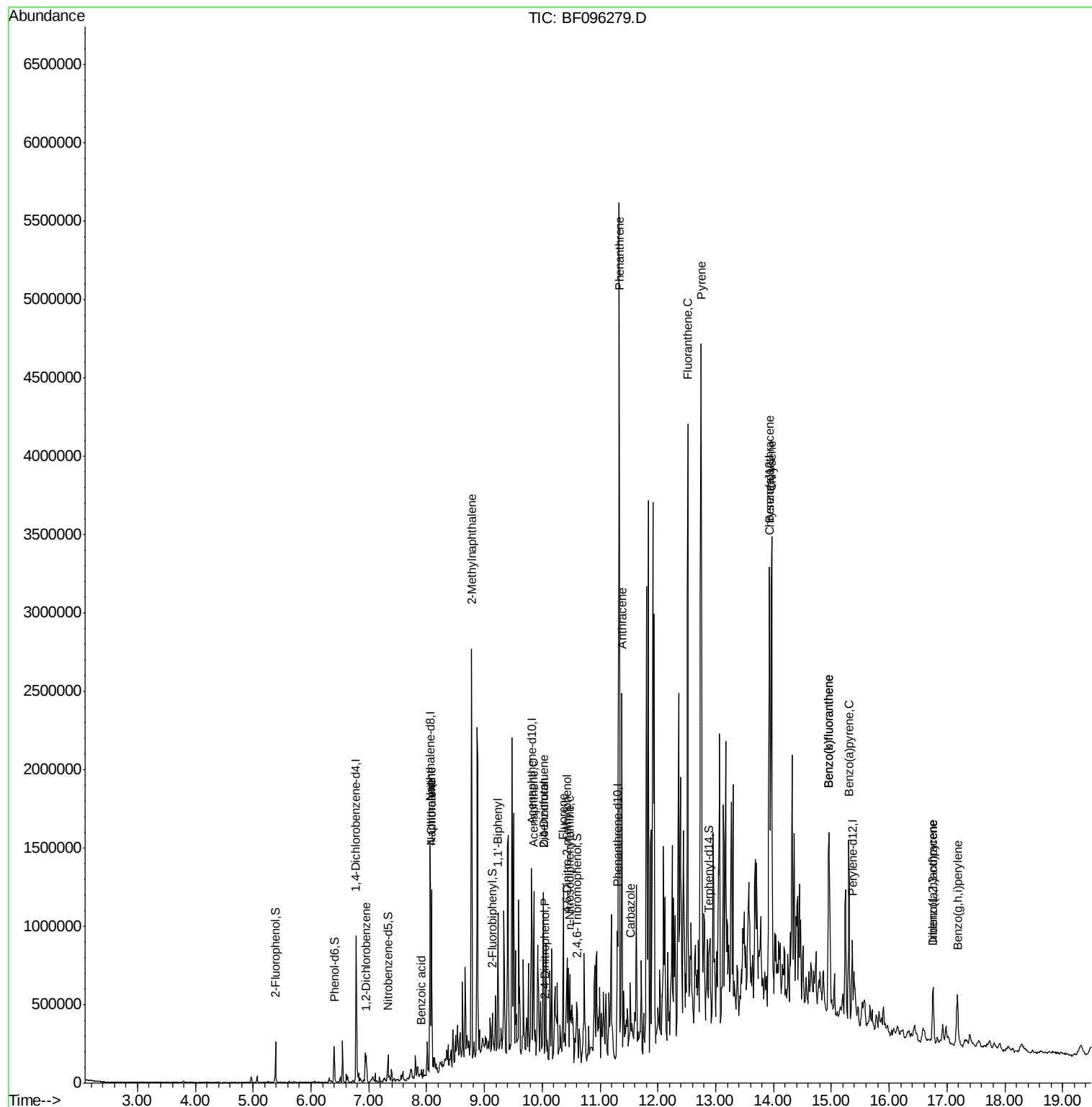
Target Compounds				Qvalue		
9) Benzaldehyde	6.32	77	1786	Below Cal	#	1
14) 1,2-Dichlorobenzene	6.95	146	31944	3.54	ng	96
31) Naphthalene	8.09	128	401756	16.60	ng	99
32) Benzoic acid	7.91	122	2814	9.22	ng	# 66
33) 4-Chloroaniline	8.09	127	56285	5.62	ng	# 33
37) 2-Methylnaphthalene	8.78	142	701839	44.63	ng	98
45) 1,1'-Biphenyl	9.24	154	66370	4.25	ng	95
51) Acenaphthene	9.85	154	208171	16.46	ng	96
53) 2,4-Dinitrophenol	10.04	184	383	7.93	ng	# 1
54) Dibenzofuran	10.02	168	94231	5.71	ng	# 74
56) 2,4-Dinitrotoluene	10.02	165	7851	2.06	ng	# 30
57) Fluorene	10.36	166	249976	17.14	ng	96
60) 4-Chlorophenyl-phenylether	10.25	204	160	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.43	198	243	8.86	ng	# 1
65) n-Nitrosodiphenylamine	10.47	169	60198	4.96	ng	# 80
70) Phenanthrene	11.33	178	2565163	173.38	ng	100
71) Anthracene	11.37	178	809555	42.90	ng	98
72) Carbazole	11.52	167	153709	7.38	ng	99
74) Fluoranthene	12.52	202	1627313	86.76	ng	96
77) Pvrene	12.75	202	2314896	105.19	ng	99
80) Benzo(a)anthracene	13.93	228	1235808	75.71	ng	96
82) Chrysene	13.97	228	1188968	70.42	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	212767	15.18	ng	97
87) Benzo(b)fluoranthene	14.96	252	816321	57.72	ng	# 95
88) Benzo(k)fluoranthene	14.96	252	816321	63.22	ng	99
89) Benzo(a)pyrene	15.30	252	543402	43.50	ng	96
90) Dibenzo(a,h)anthracene	16.77	278	78977	8.07	ng	# 89
91) Benzo(g,h,i)perylene	17.18	276	230516	22.67	ng	99

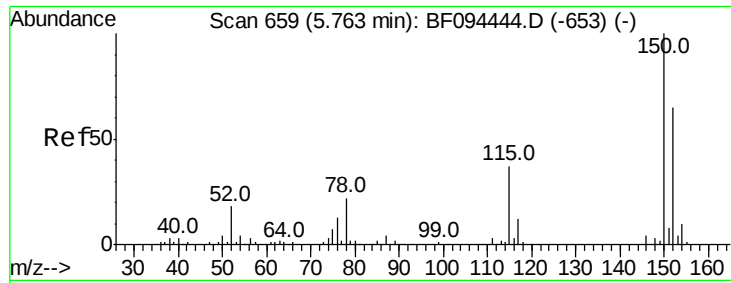
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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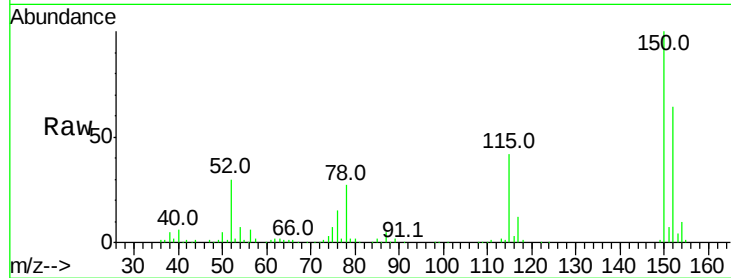


#1

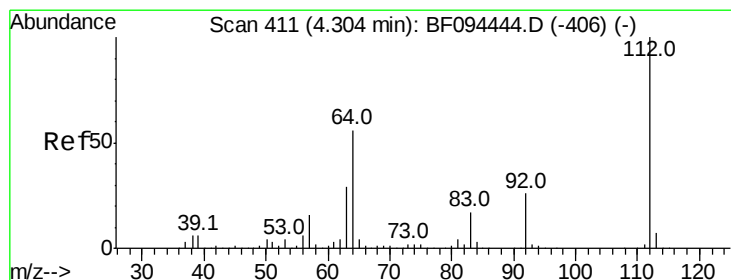
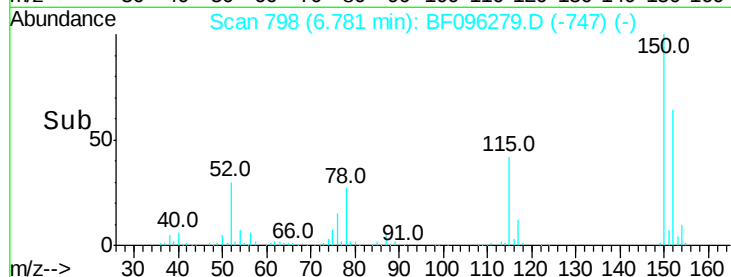
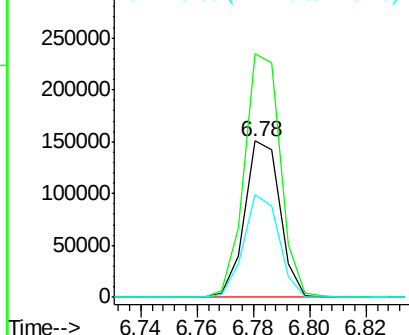
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131382
Ion Ratio Lower Upper
152 100
150 155.5 126.2 189.2
115 65.6 52.2 78.2



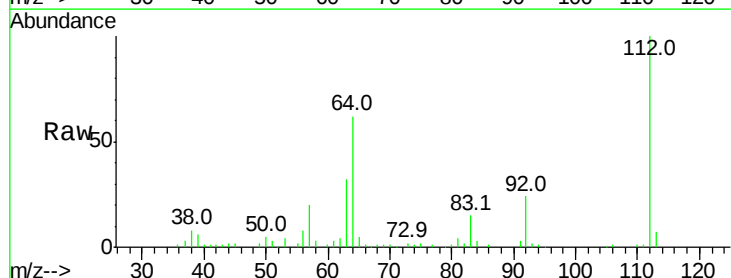
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



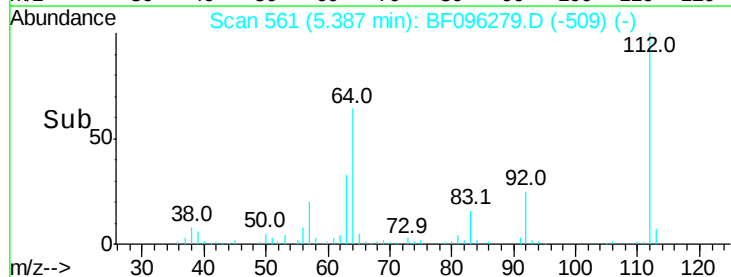
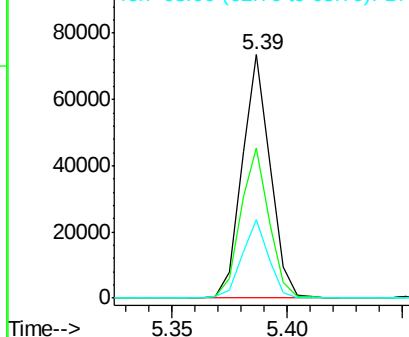
#5

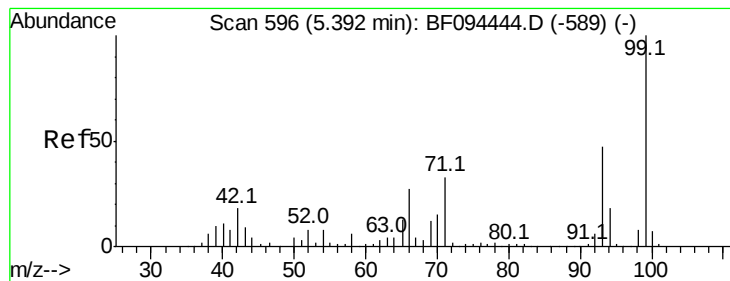
2-Fluorophenol
Concen: 6.82 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Tgt Ion:112 Resp: 62226
Ion Ratio Lower Upper
112 100
64 61.7 46.0 69.0
63 32.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.70 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

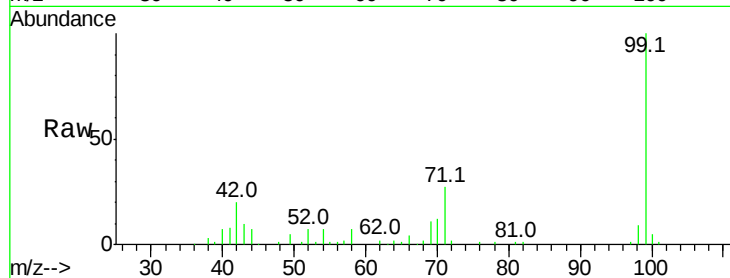
Tot Ion: 99 Resp: 74019

Ion Ratio Lower Upper

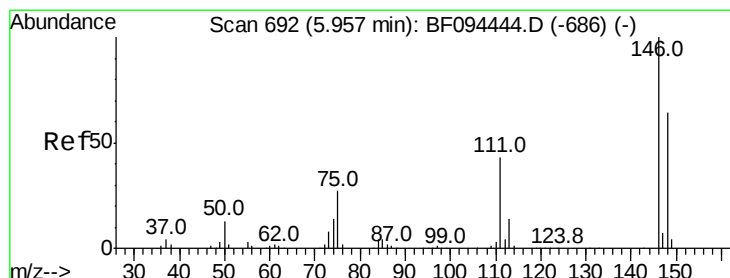
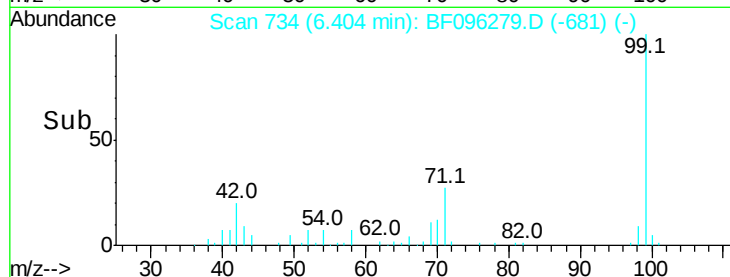
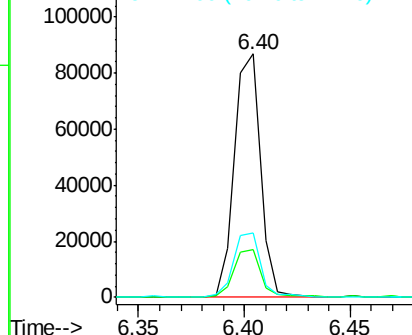
99 100

42 19.5 13.5 20.3

71 26.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#14

1,2-Dichlorobenzene

Concen: 3.54 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

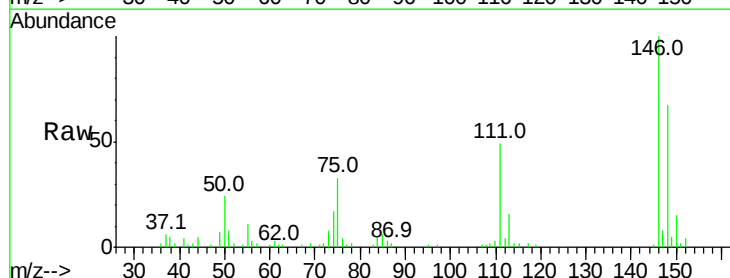
Tgt Ion: 146 Resp: 31944

Ion Ratio Lower Upper

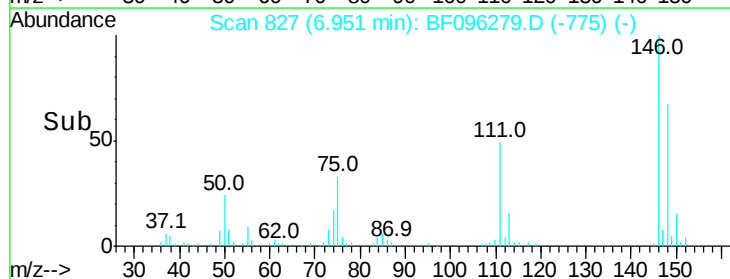
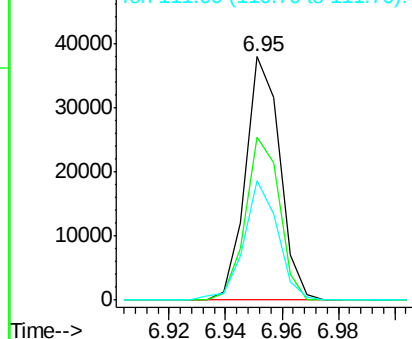
146 100

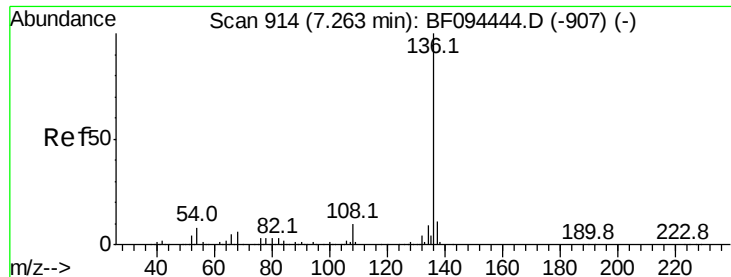
148 67.1 50.4 75.6

111 49.2 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 502260

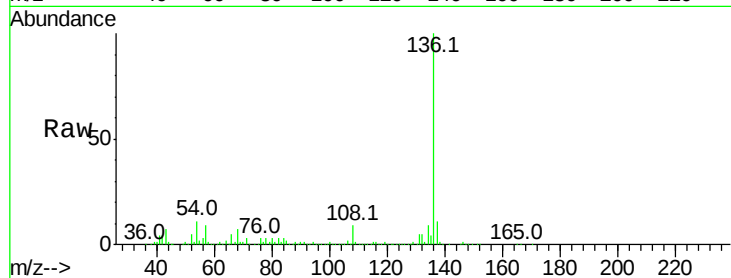
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.2 4.9 7.3#

68 7.1 4.1 6.1#

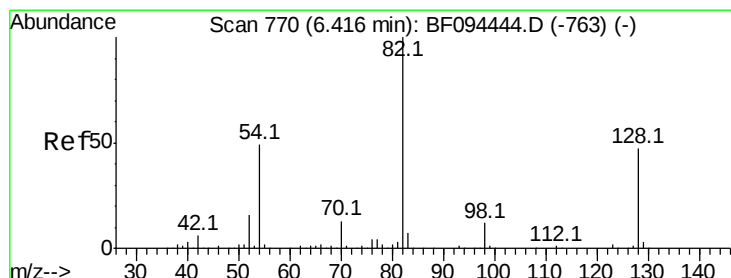
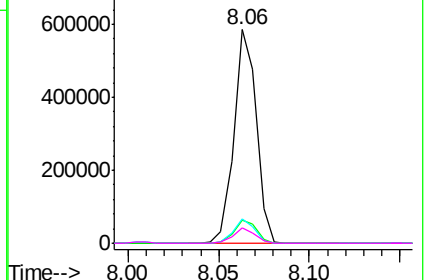
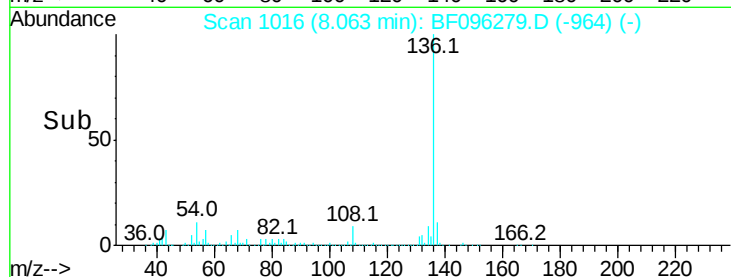


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 4.67 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

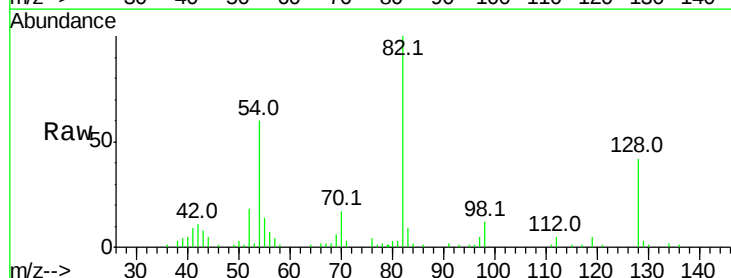
Tgt Ion: 82 Resp: 33908

Ion Ratio Lower Upper

82 100

128 42.1 34.0 51.0

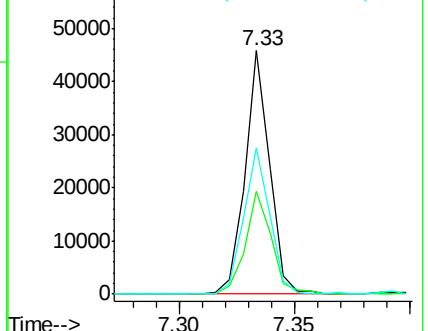
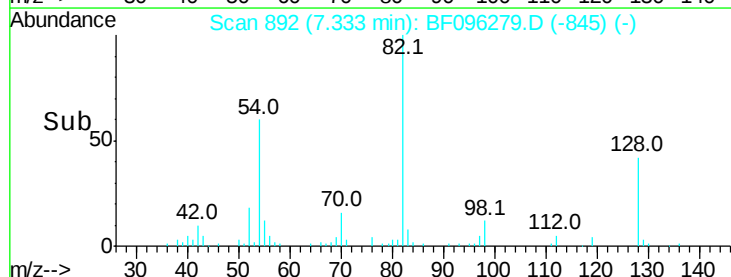
54 60.1 42.2 63.2

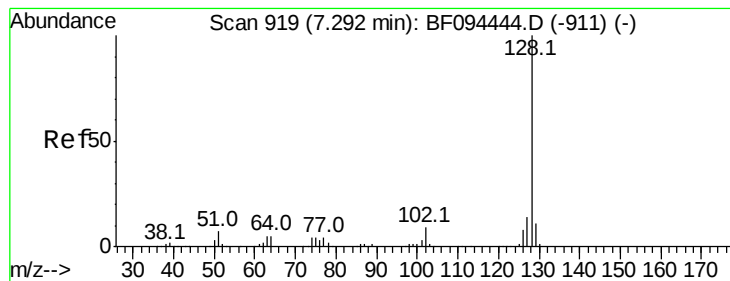


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 16.60 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

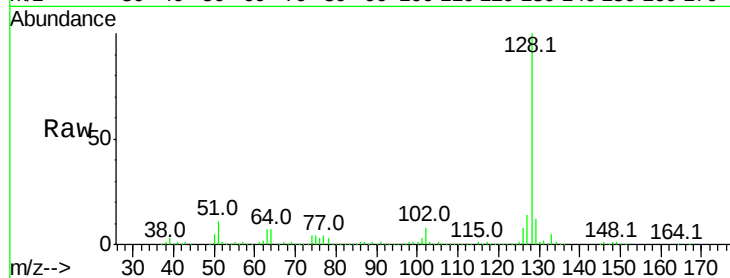
Tot Ion:128 Resp: 401756

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

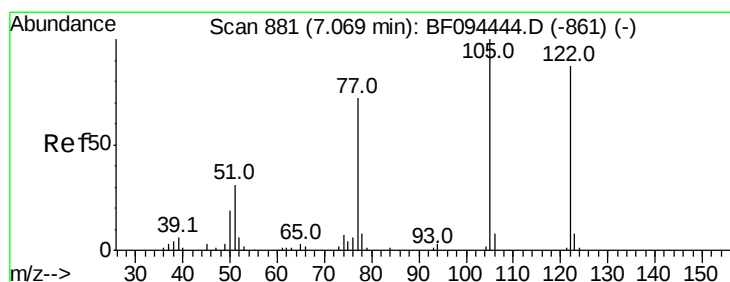
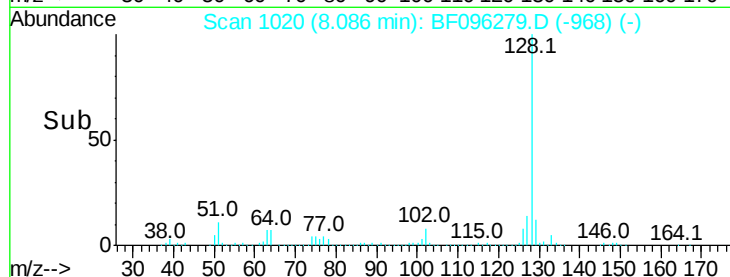
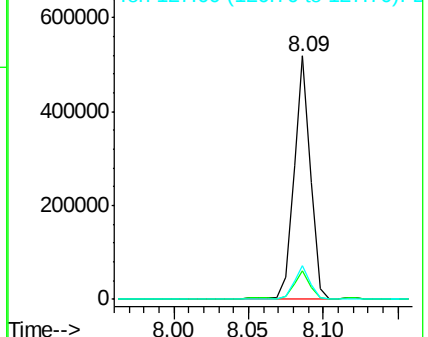
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.22 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.02 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

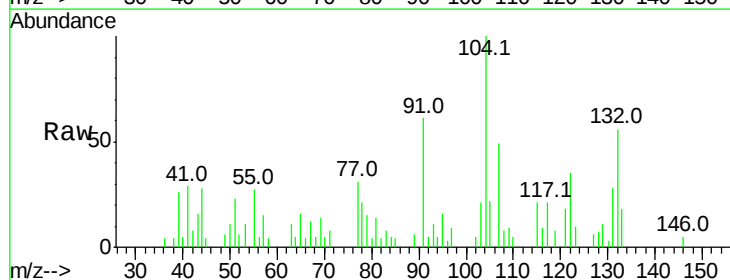
Tgt Ion:122 Resp: 2814

Ion Ratio Lower Upper

122 100

105 61.9 103.3 143.3#

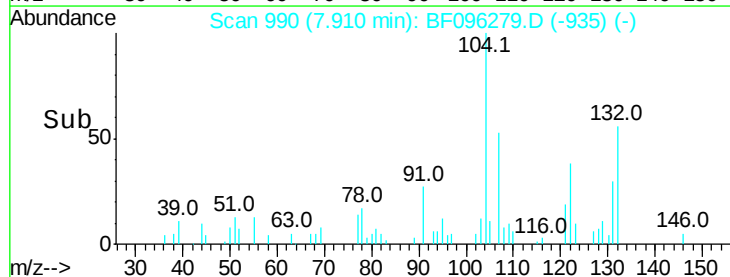
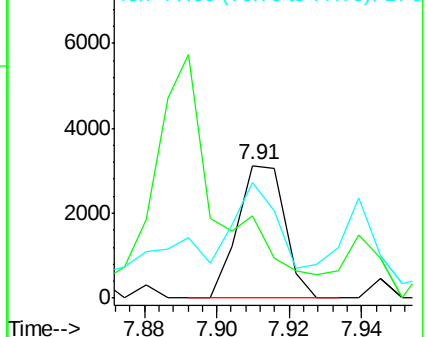
77 87.6 73.7 113.7

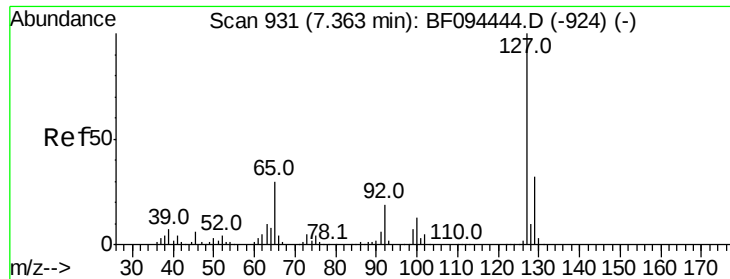


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

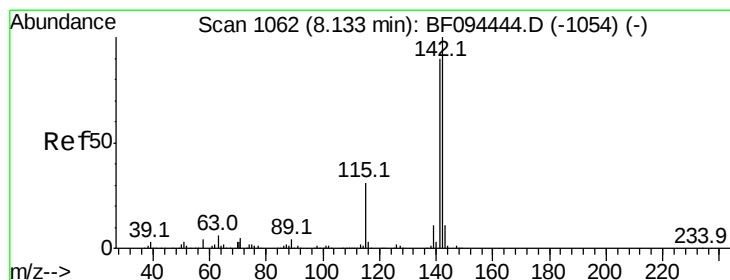
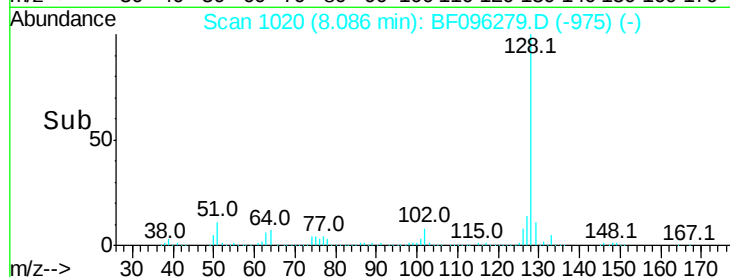
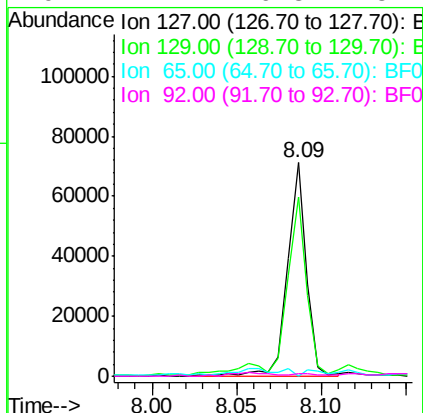
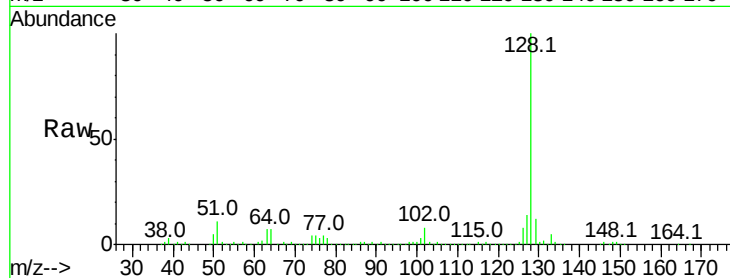




#33
4-Chloroaniline
Concen: 5.62 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

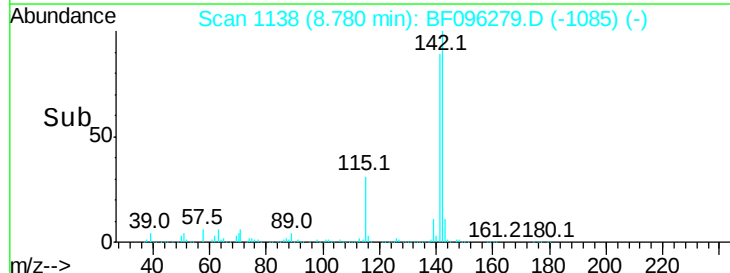
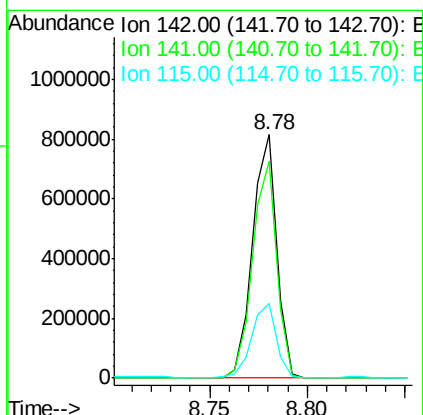
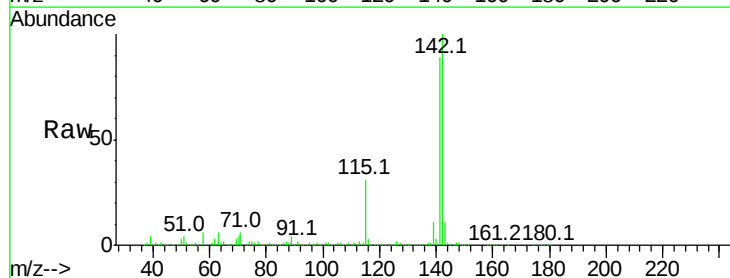
Instrument :
BNA_F
ClientSampled :

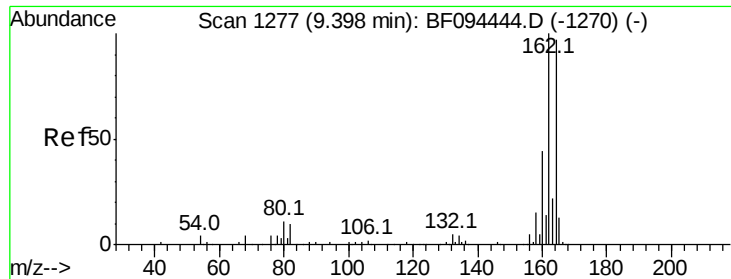
Tot Ion:	127	Resp:	56285
Ion	Ratio	Lower	Upper
127	100		
129	84.2	26.2	39.2#
65	0.0	27.8	41.8#
92	1.4	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 44.63 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.01 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Tgt Ion:	142	Resp:	701839
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	30.8	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

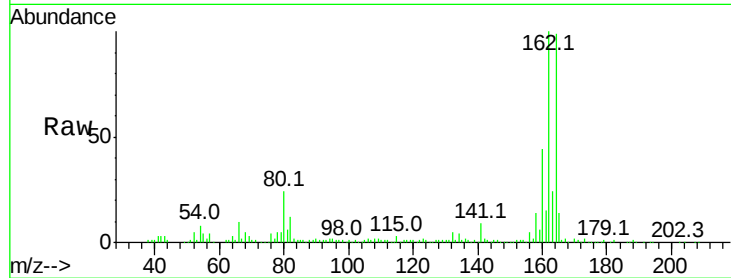
Tot Ion:164 Resp: 203427

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

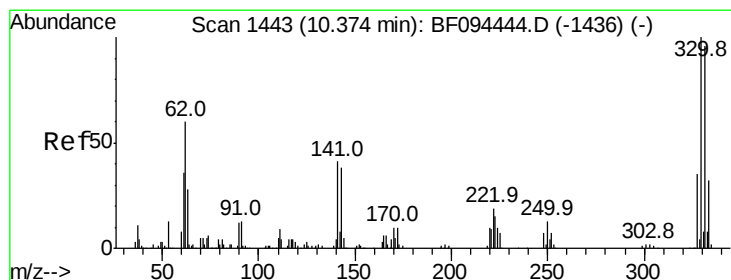
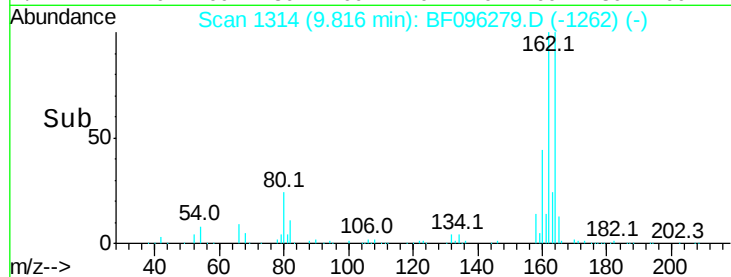
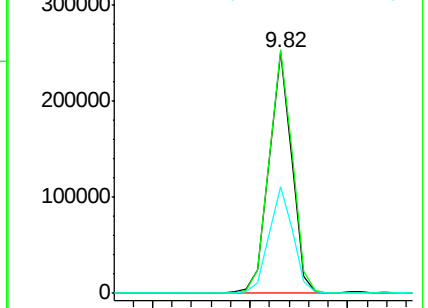
160 44.5 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 7.27 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

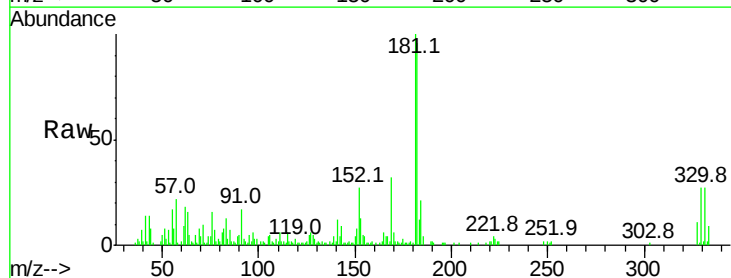
Tgt Ion:330 Resp: 11640

Ion Ratio Lower Upper

330 100

332 97.7 76.6 115.0

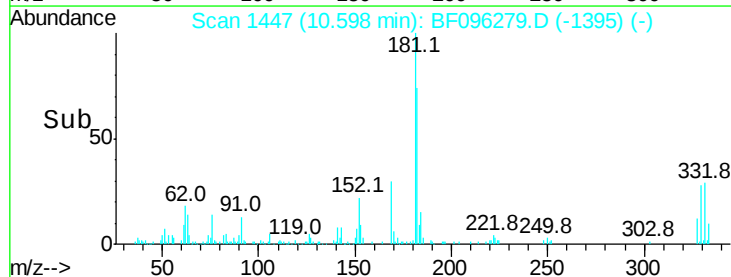
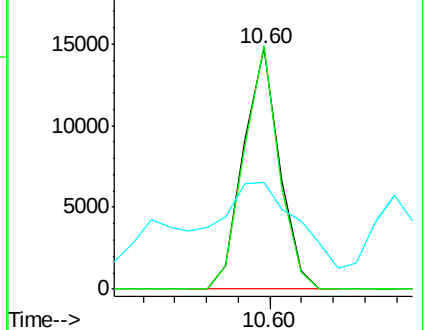
141 73.9 31.4 47.2#

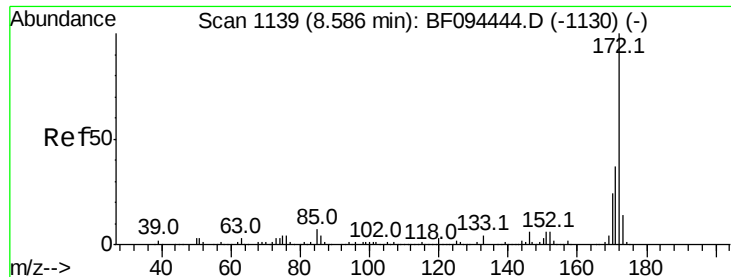


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

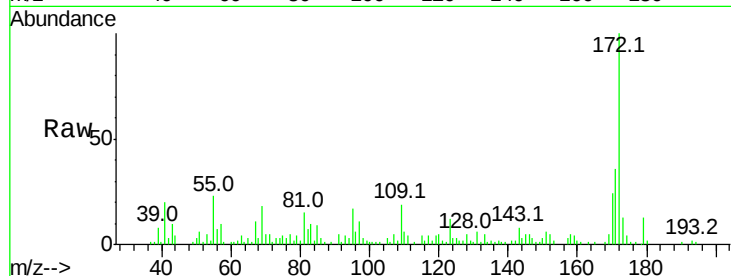




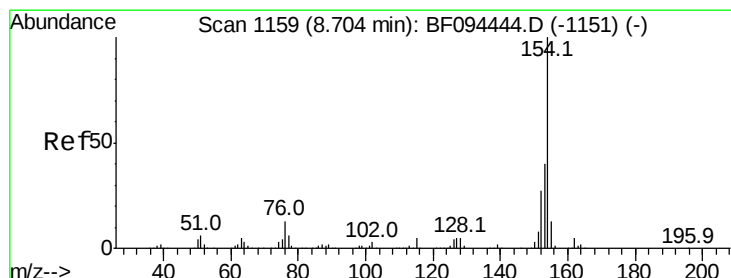
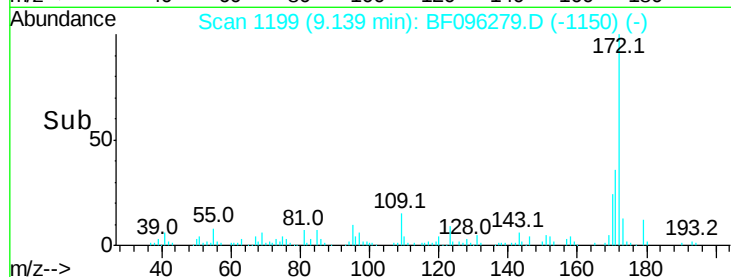
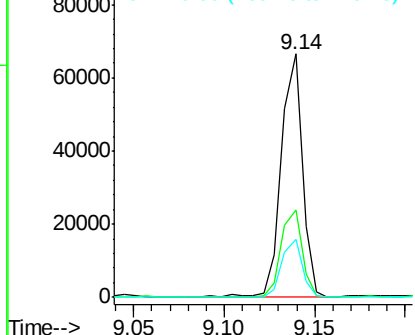
#44
2-Fluorobiphenyl
Concen: 4.89 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 54302
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.8 19.8 29.8

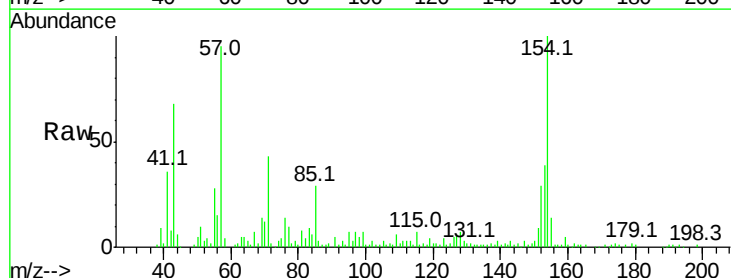


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

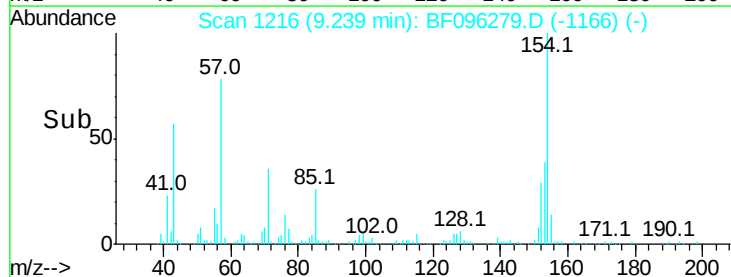
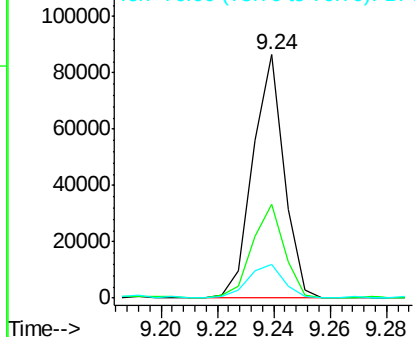


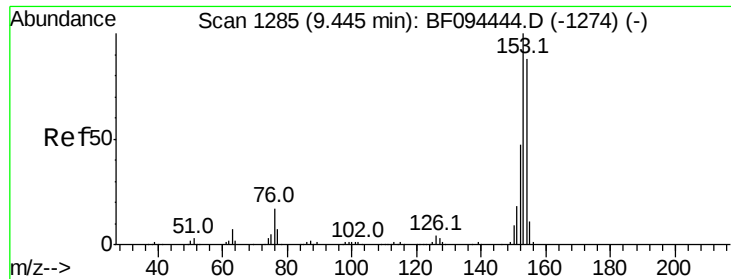
#45
1,1'-Biphenyl
Concen: 4.25 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Tgt Ion:154 Resp: 66370
Ion Ratio Lower Upper
154 100
153 38.7 21.2 61.2
76 13.7 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 16.46 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

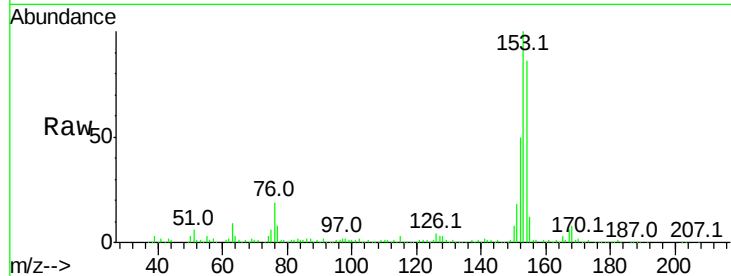
Tot Ion:154 Resp: 208171

Ion Ratio Lower Upper

154 100

153 116.8 90.5 135.7

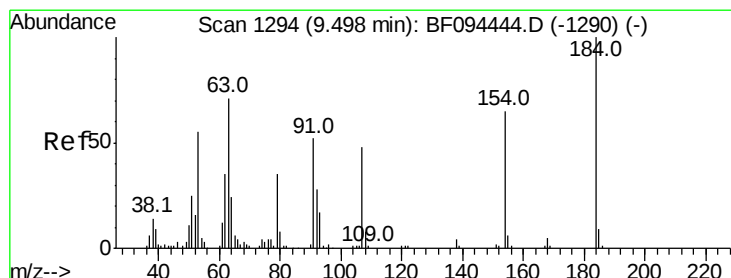
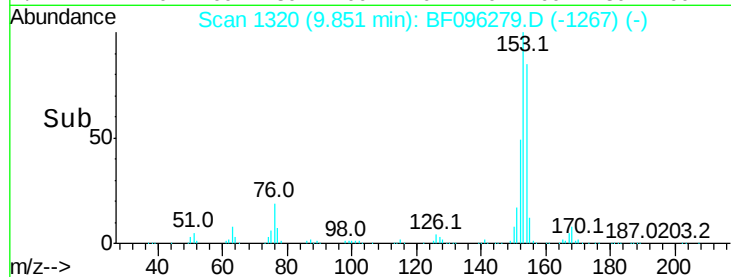
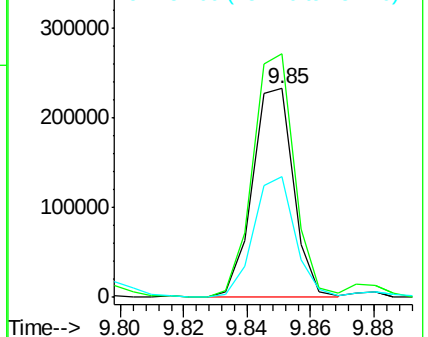
152 58.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.93 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.17 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

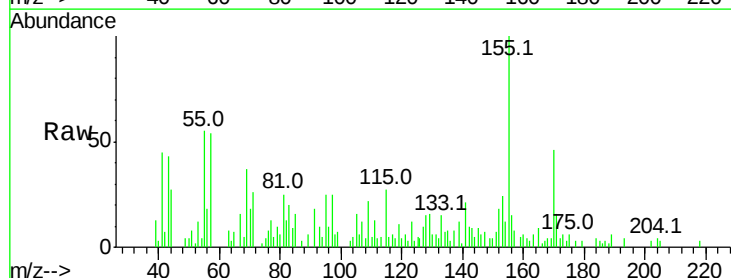
Tgt Ion:184 Resp: 383

Ion Ratio Lower Upper

184 100

63 167.5 62.7 94.1#

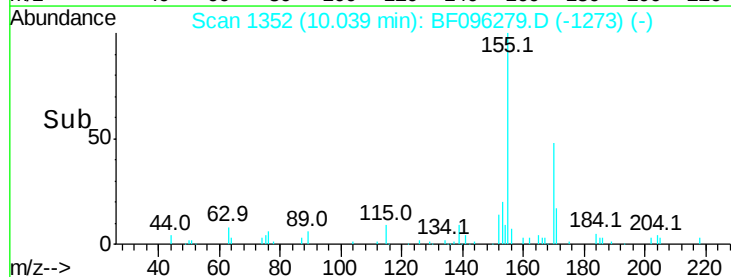
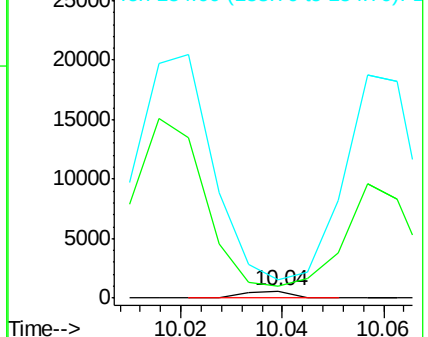
154 256.8 81.1 121.7#

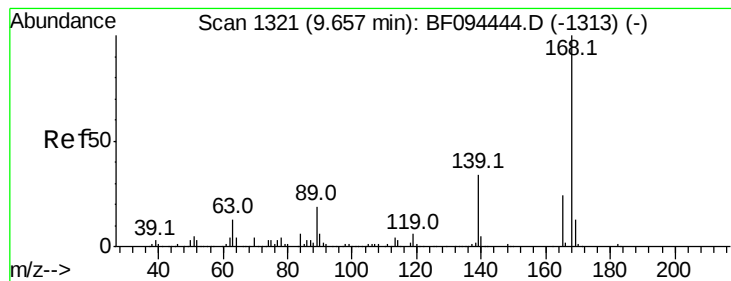


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 5.71 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampled :

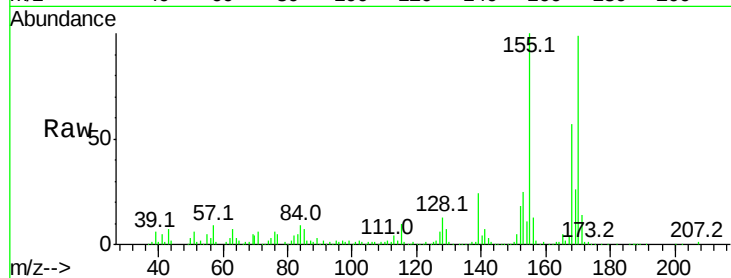
Tot Ion:168 Resp: 94231

Ion Ratio Lower Upper

168 100

139 42.1 30.6 45.8

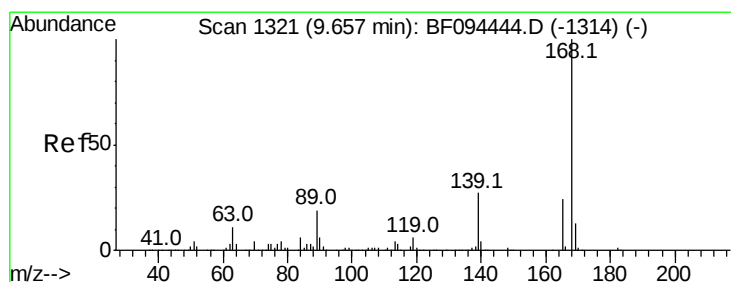
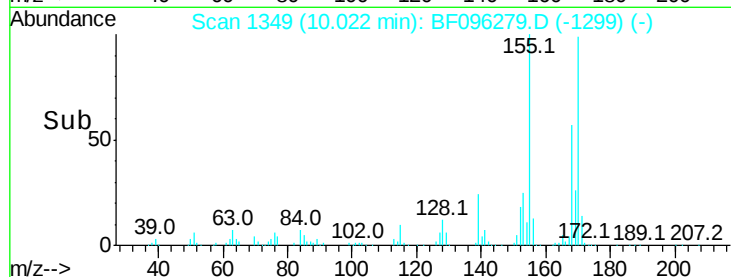
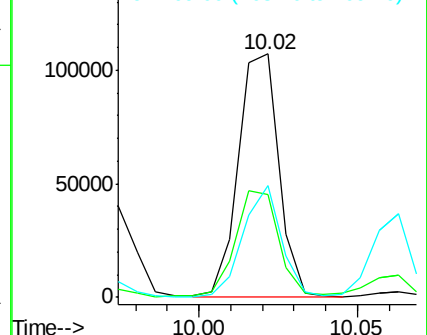
169 46.1 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 2.06 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Tgt Ion:165 Resp: 7851

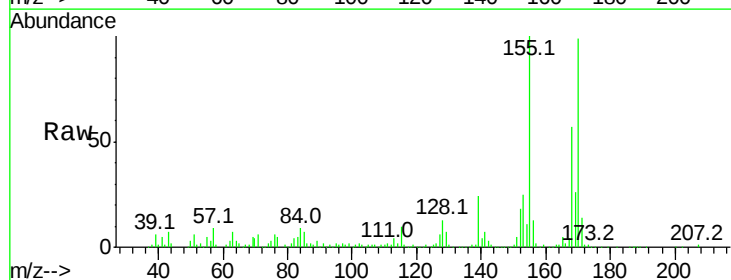
Ion Ratio Lower Upper

165 100

63 134.8 25.4 38.0#

89 50.6 46.4 69.6

182 3.7 1.8 2.6#

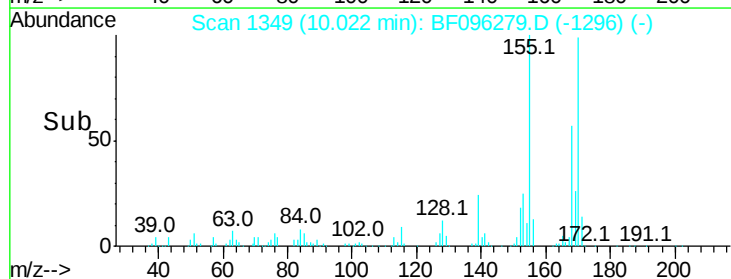
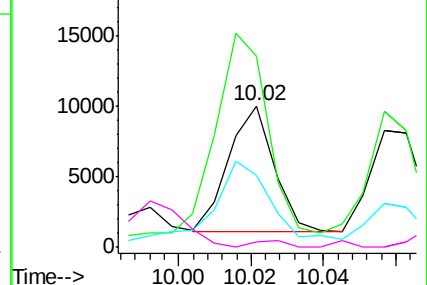


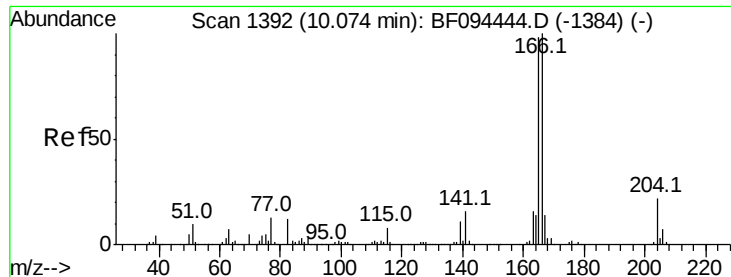
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

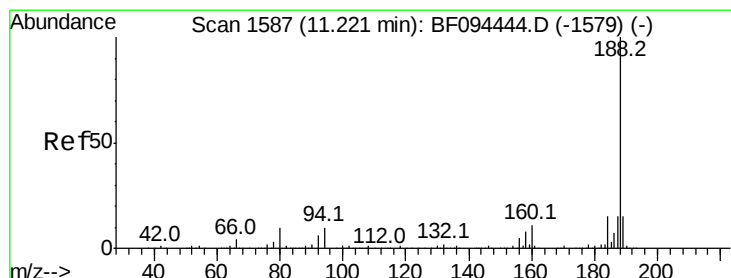
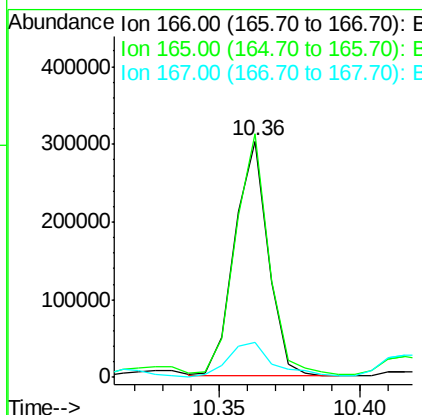
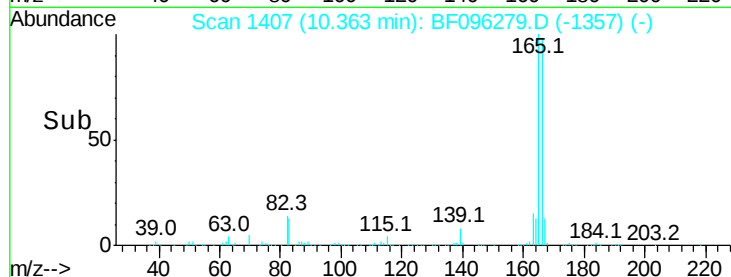
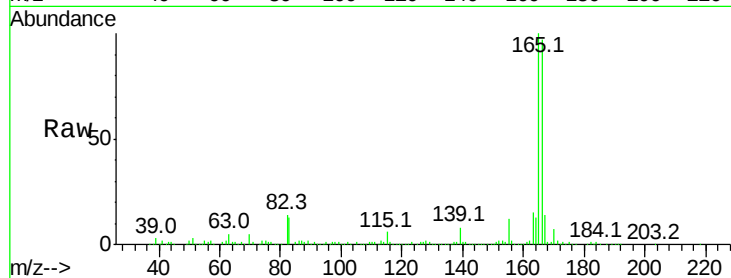




#57
 Fluorene
 Concen: 17.14 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF096279.D
 Acq: 29 Jun 2017 5:59

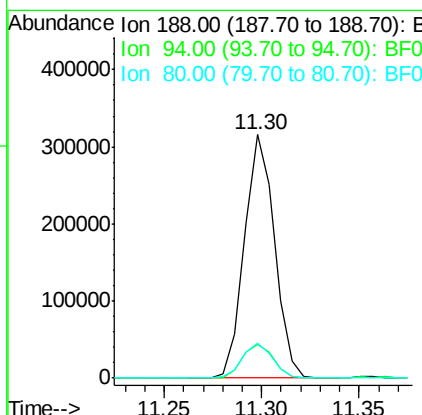
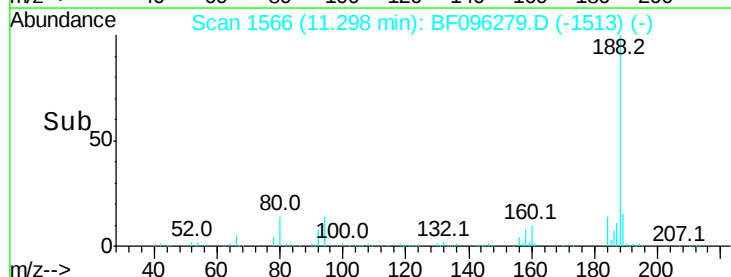
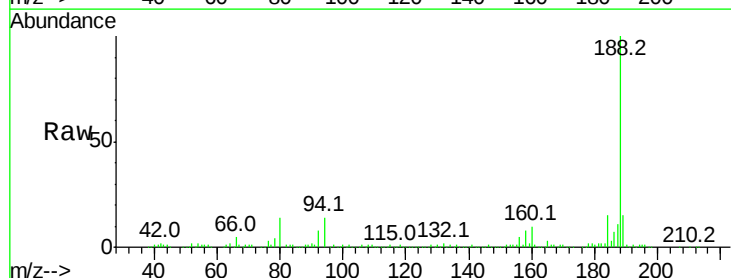
Instrument :
 BNA_F
 ClientSampleId :

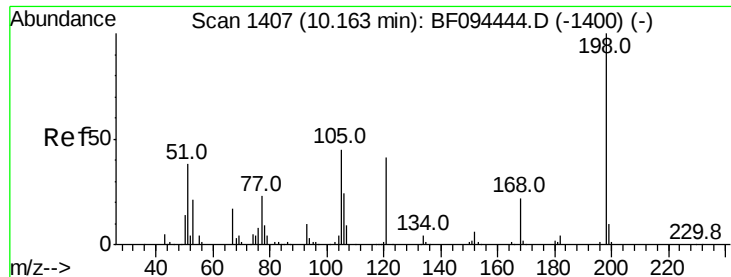
Tot Ion:166 Resp: 249976
 Ion Ratio Lower Upper
 166 100
 165 102.9 78.8 118.2
 167 14.7 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BF096279.D
 Acq: 29 Jun 2017 5:59

Tgt Ion:188 Resp: 337651
 Ion Ratio Lower Upper
 188 100
 94 13.8 9.4 14.2
 80 14.4 10.2 15.2

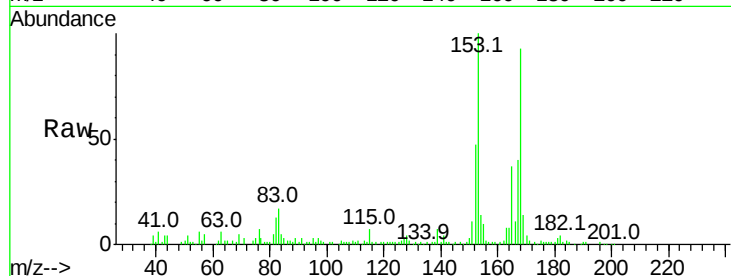




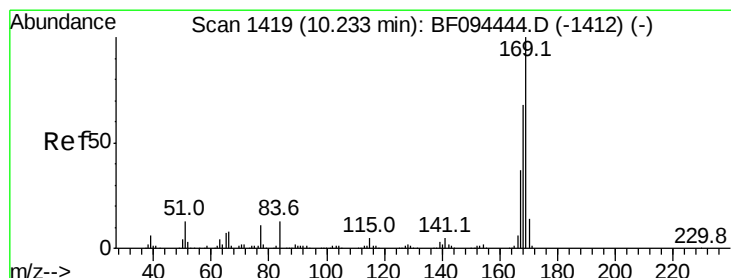
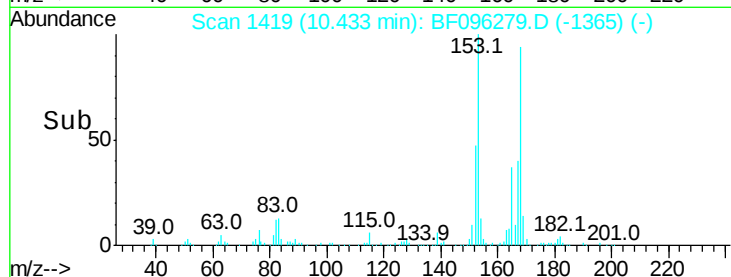
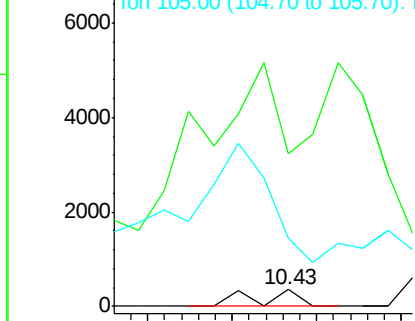
#64
4,6-Dinitro-2-methylphenol
Concen: 8.86 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.02 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 243
Ion Ratio Lower Upper
198 100
51 906.7 53.2 93.2#
105 408.7 45.8 85.8#

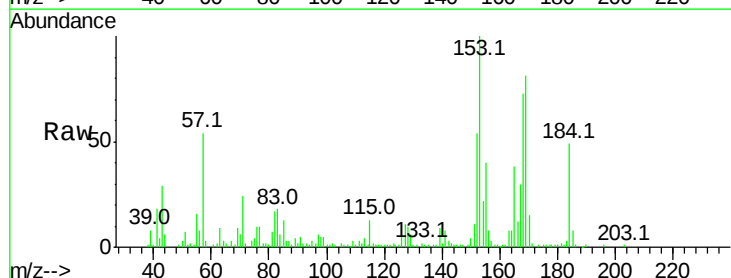


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

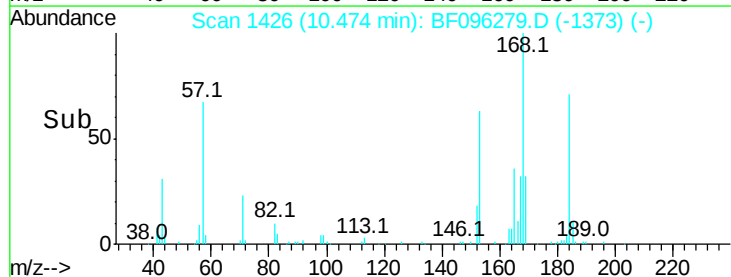
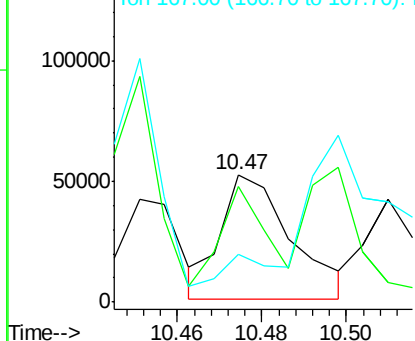


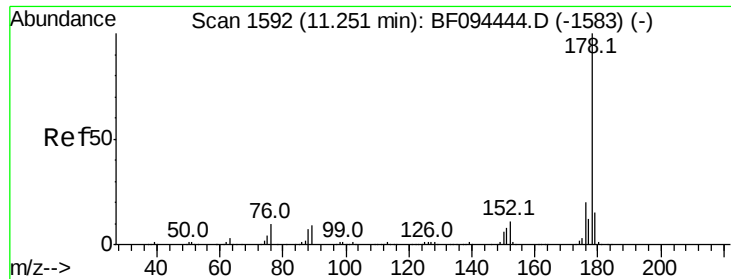
#65
n-Nitrosodiphenylamine
Concen: 4.96 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Tgt Ion:169 Resp: 60198
Ion Ratio Lower Upper
169 100
168 90.8 53.2 79.8#
167 37.1 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

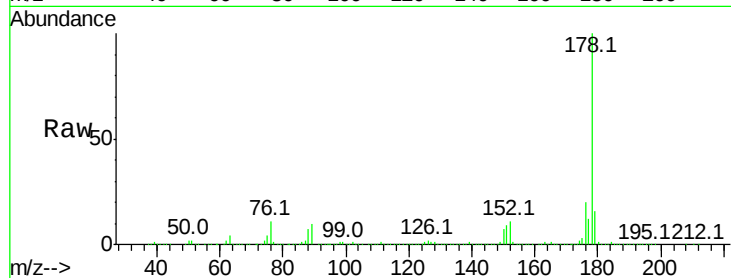




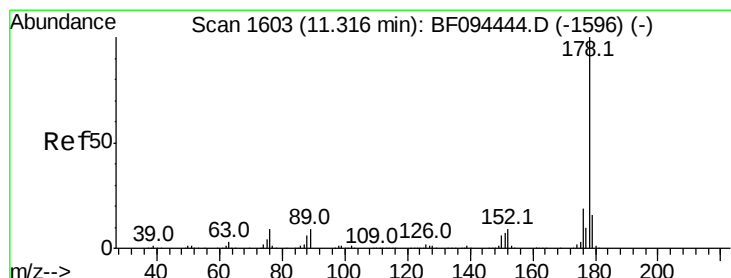
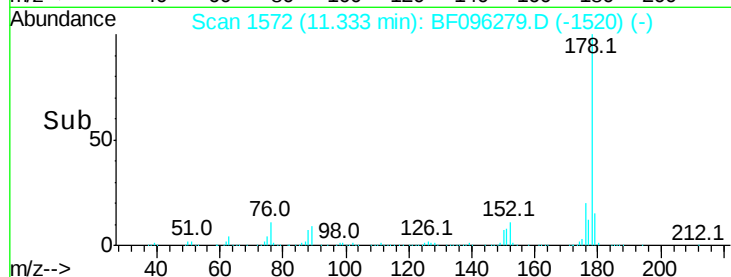
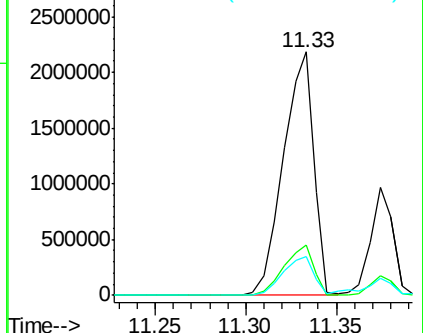
#70
Phenanthrene
Concen: 173.38 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 2565163
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 15.8 12.6 19.0

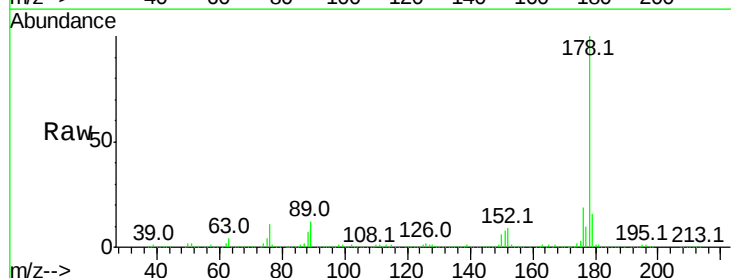


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

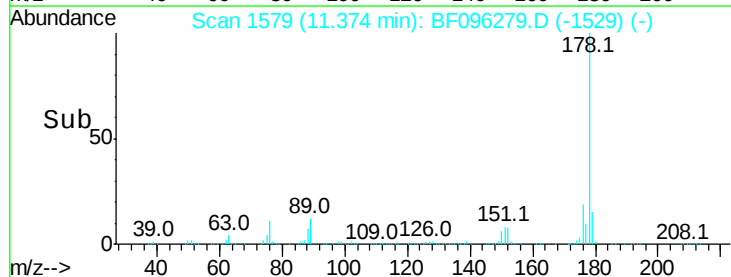
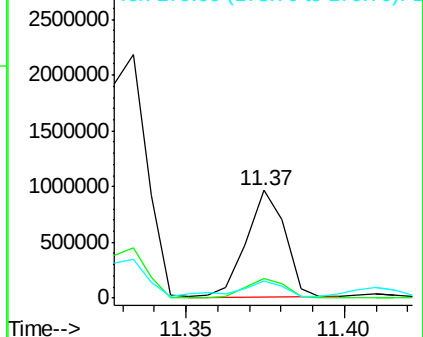


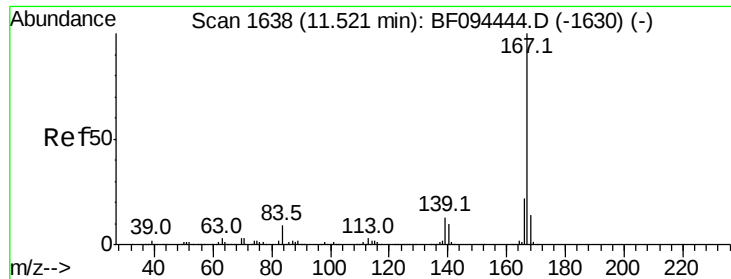
#71
Anthracene
Concen: 42.90 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Tgt Ion:178 Resp: 809555
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.6 12.7 19.1



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

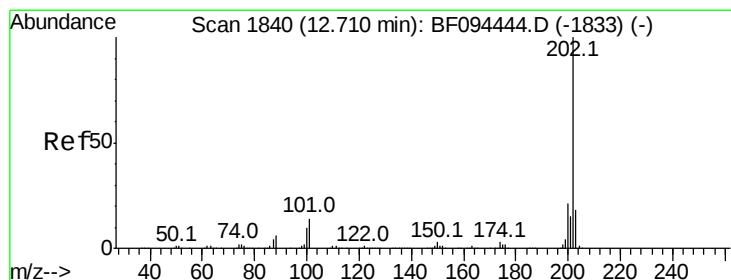
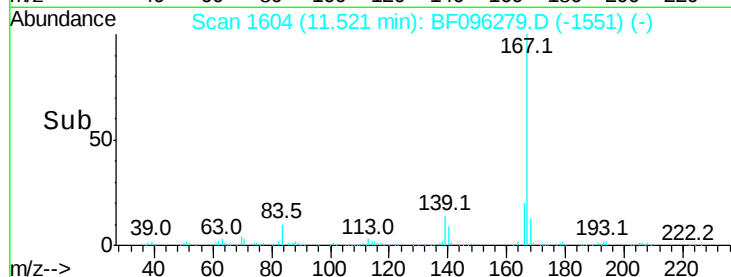
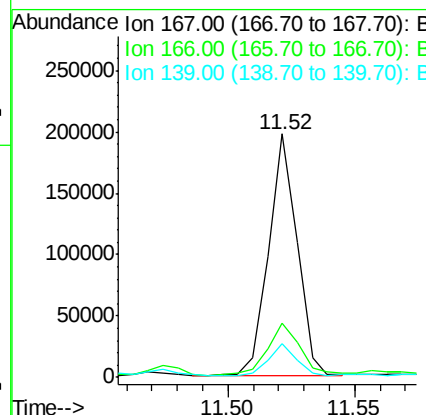
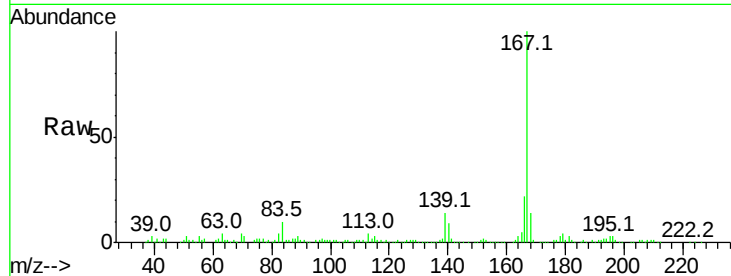




#72
 Carbazole
 Concen: 7.38 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: BF096279.D
 Acq: 29 Jun 2017 5:59

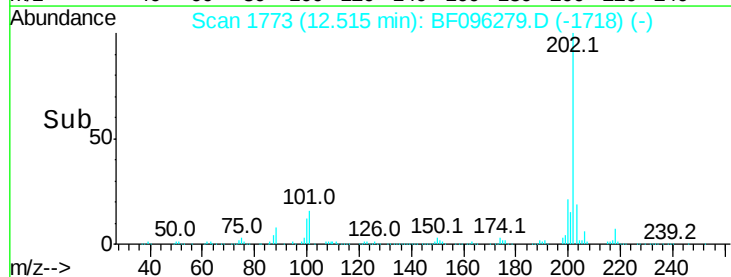
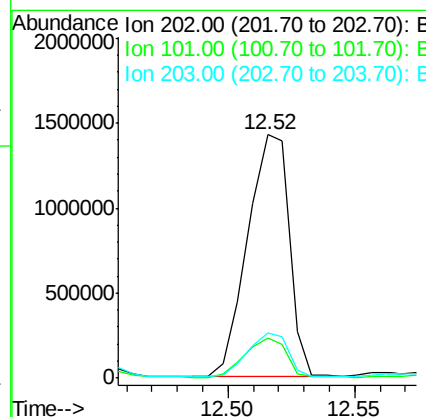
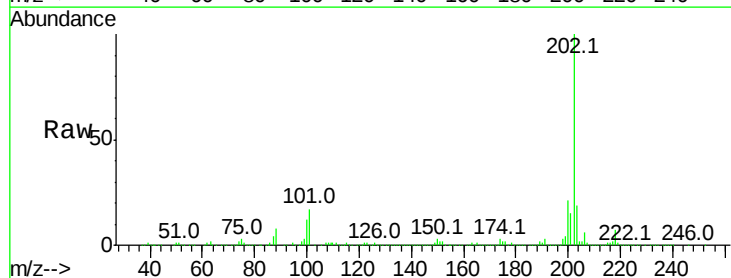
Instrument :
 BNA_F
 ClientSampleId :

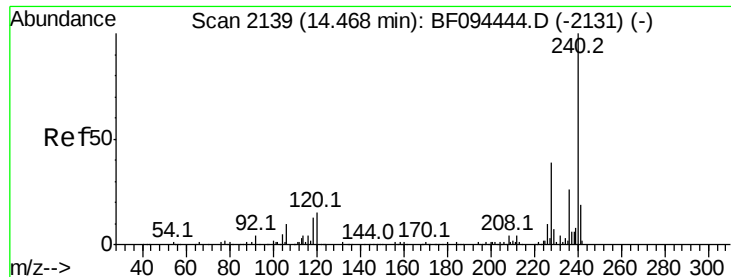
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	13.7	11.7	17.5



#74
 Fluoranthene
 Concen: 86.76 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.02 min
 Lab File: BF096279.D
 Acq: 29 Jun 2017 5:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.6	0.0	33.2
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.02 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

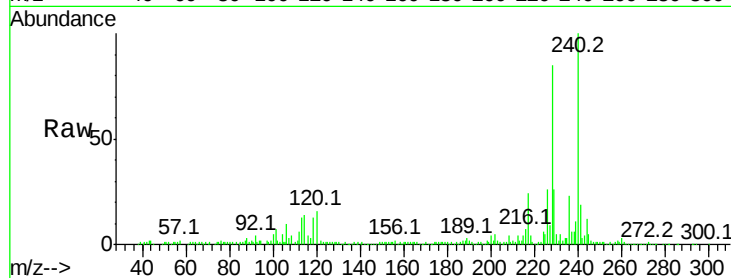
Tot Ion:240 Resp: 267785

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

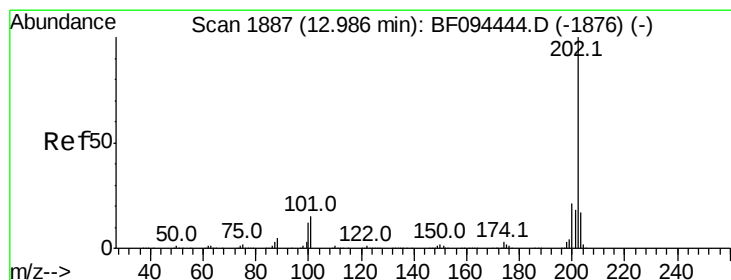
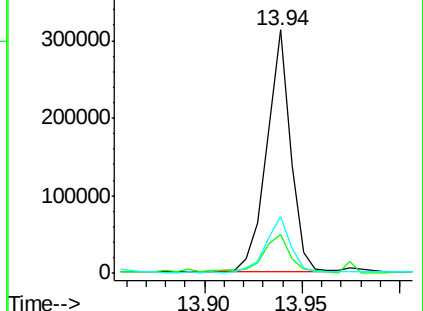
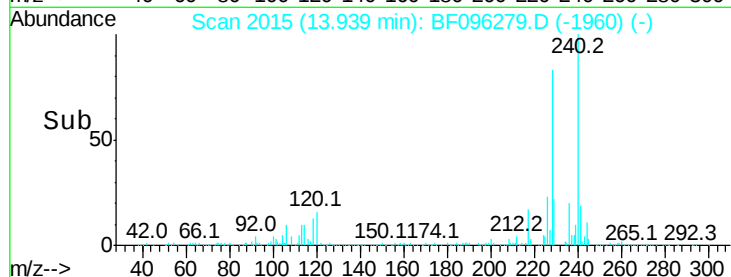
236 23.3 20.5 30.7



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



#77

Pyrene

Concen: 105.19 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.03 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

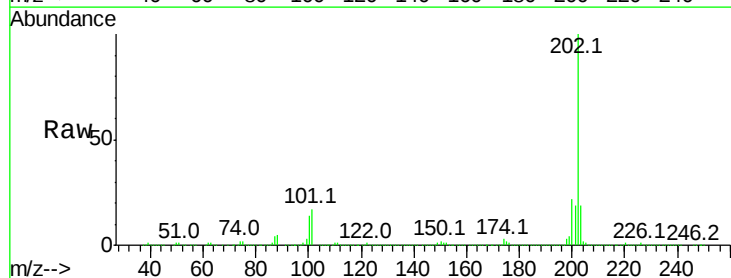
Tgt Ion:202 Resp: 2314896

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

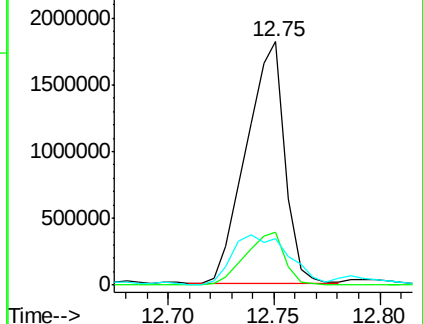
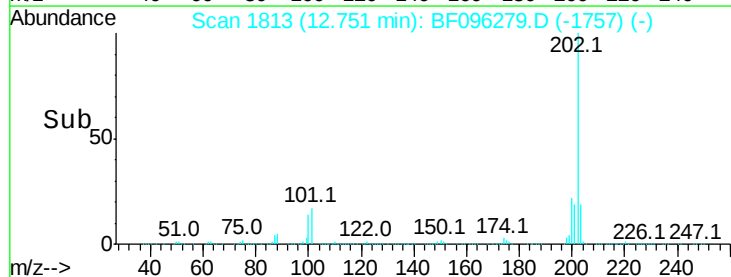
203 18.8 14.4 21.6

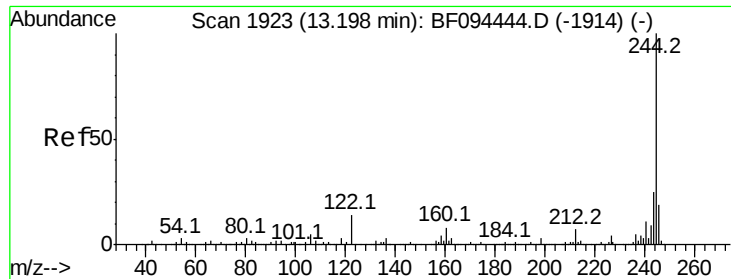


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.20 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

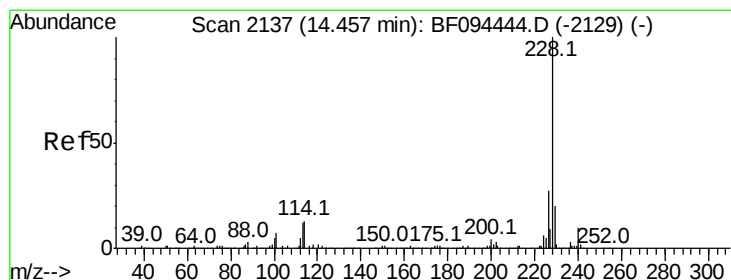
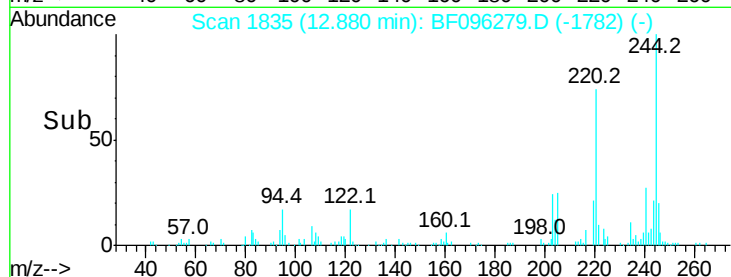
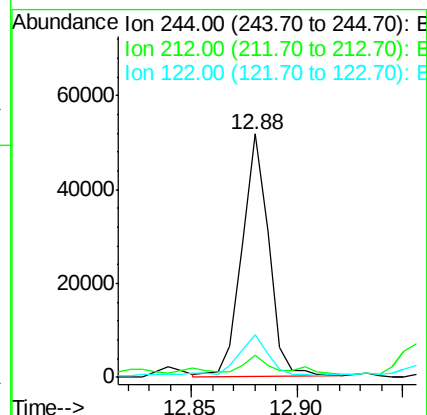
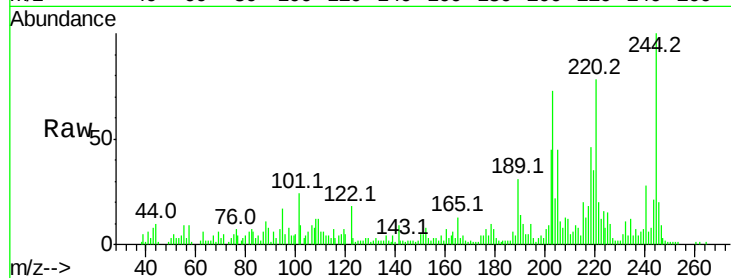
Tot Ion:244 Resp: 45037

Ion Ratio Lower Upper

244 100

212 9.3 6.0 9.0#

122 17.7 10.3 15.5#



#80

Benzo(a)anthracene

Concen: 75.71 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

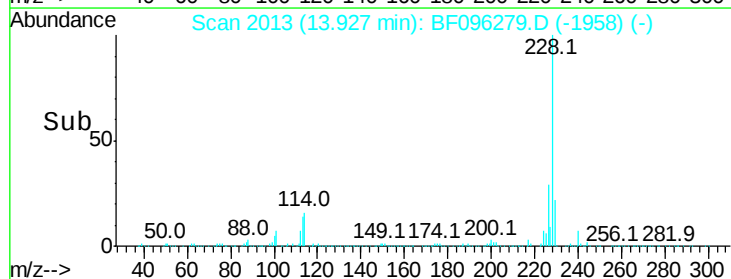
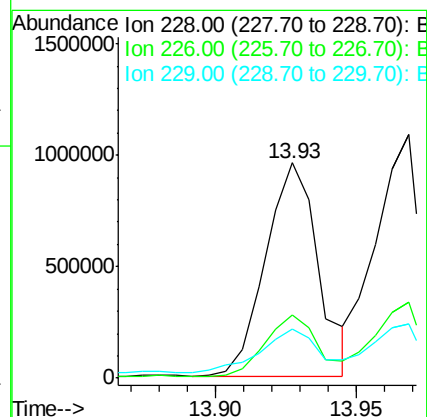
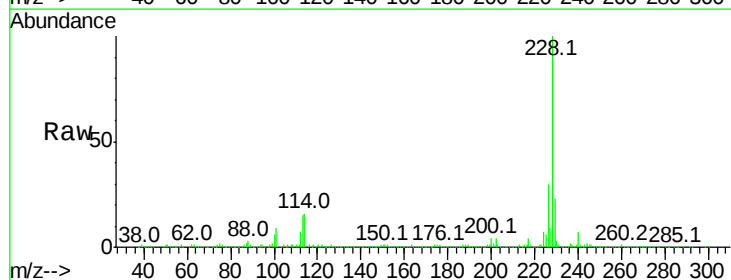
Tgt Ion:228 Resp: 1235808

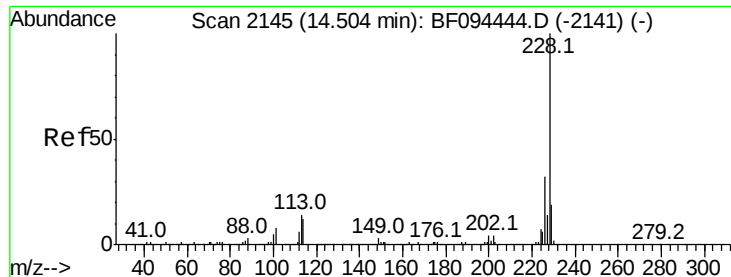
Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

229 22.9 16.3 24.5





#82

Chrysene

Concen: 70.42 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.03 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampled :

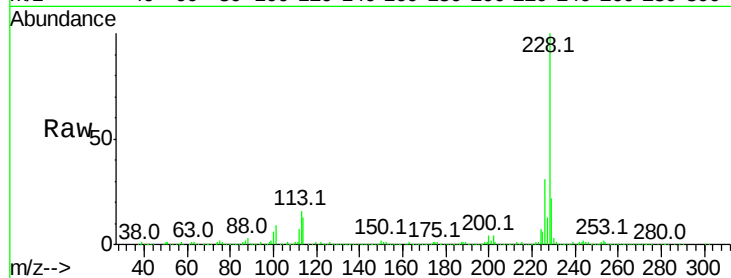
Tot Ion:228 Resp: 1188968

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

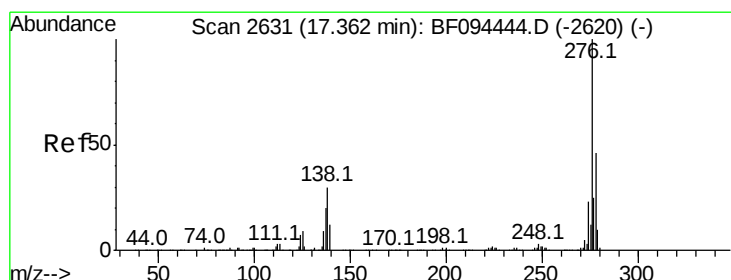
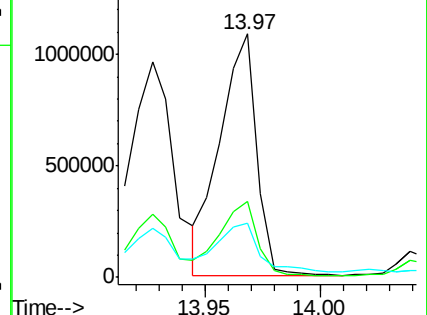
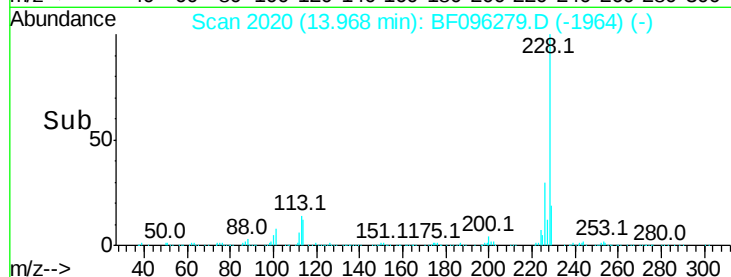
229 22.1 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.18 ng

RT: 16.76 min Scan# 2494

Delta R.T. 0.04 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

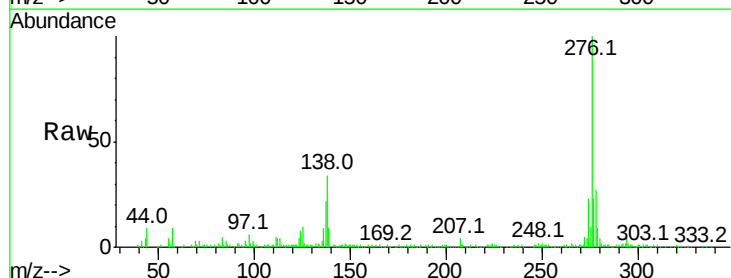
Tgt Ion:276 Resp: 212767

Ion Ratio Lower Upper

276 100

138 32.3 27.8 41.6

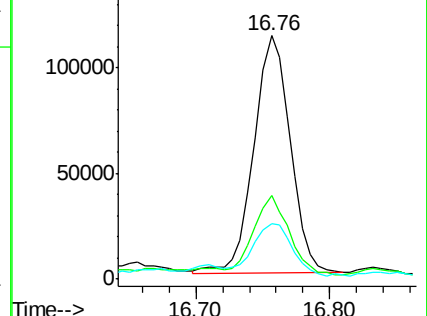
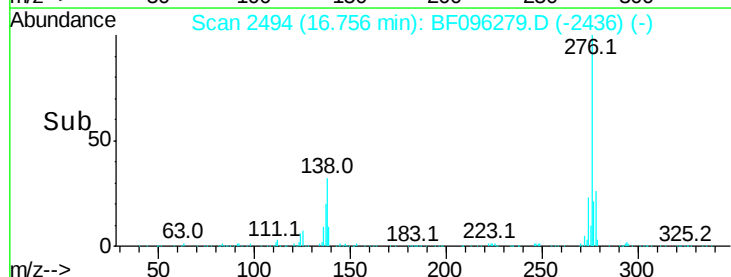
277 24.4 20.2 30.4

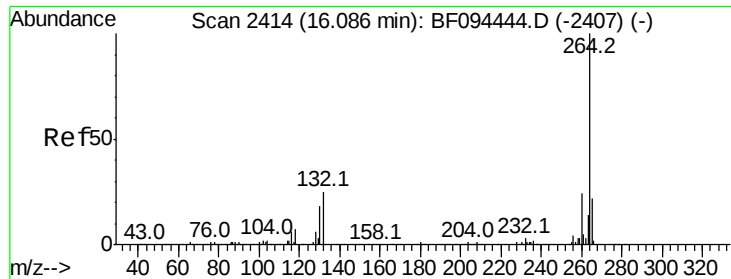


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

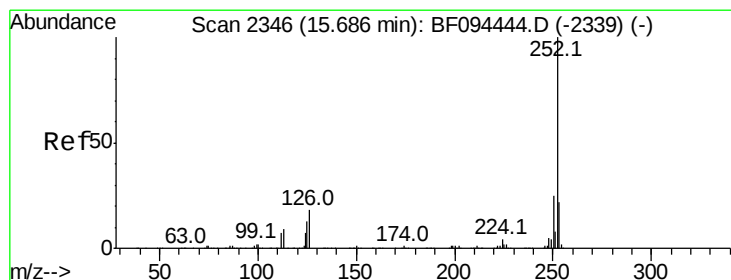
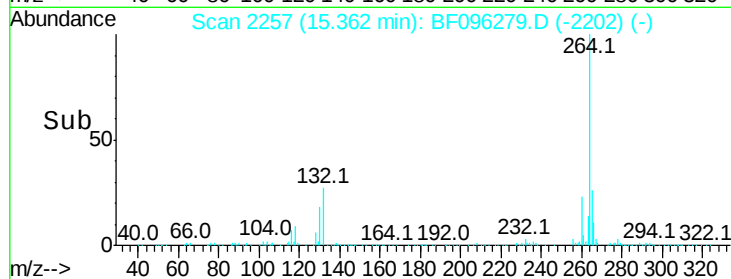
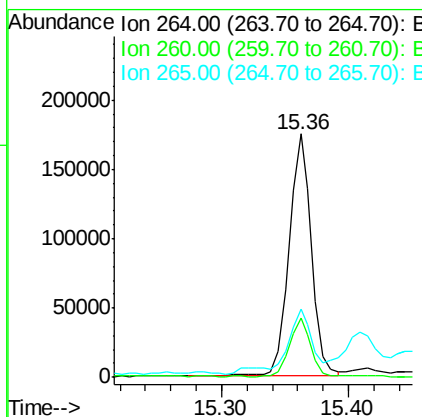
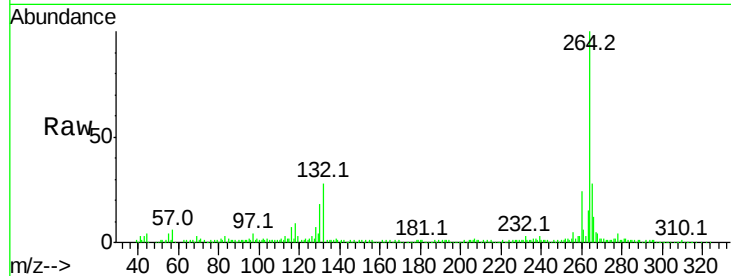




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

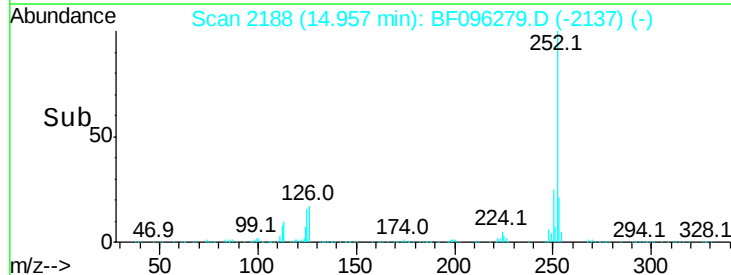
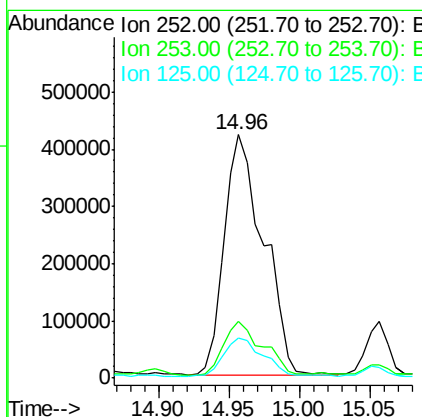
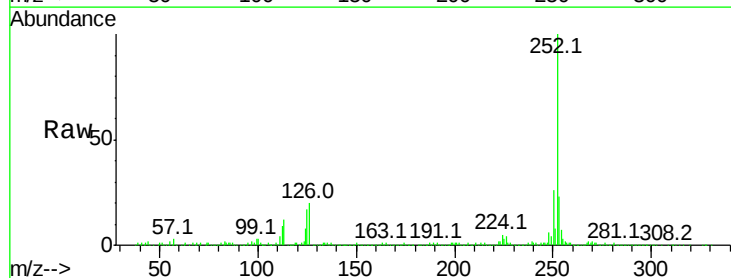
Instrument :
BNA_F
ClientSampleId :

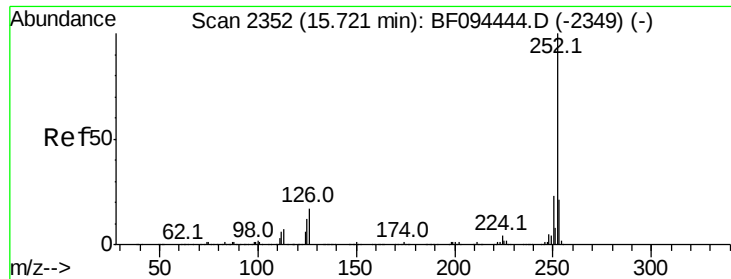
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	27.8	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 57.72 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	16.5	9.8	14.8

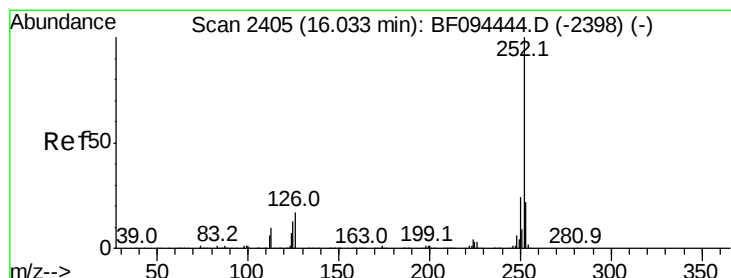
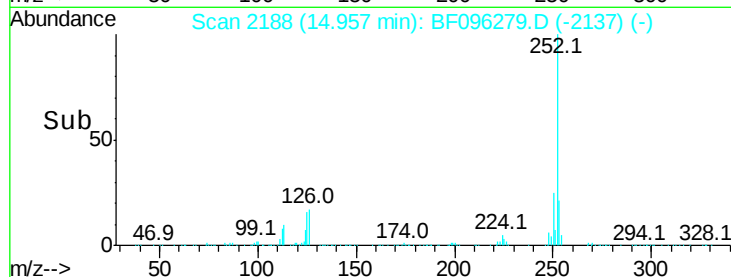
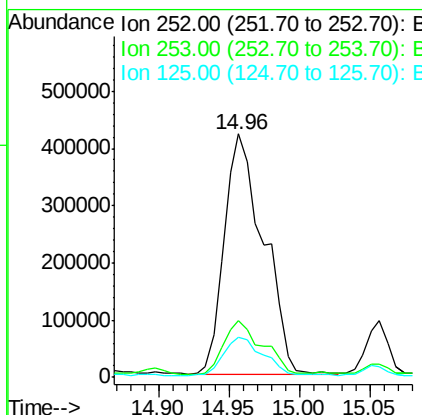
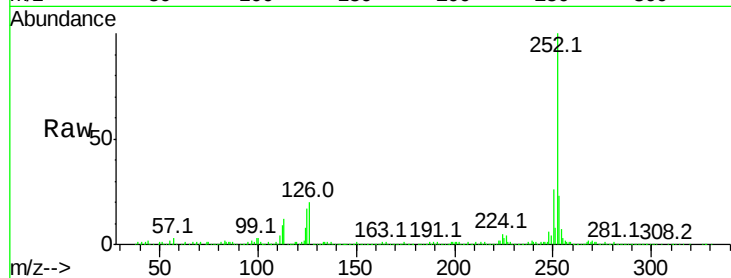




#88
Benzo(k)fluoranthene
Concen: 63.22 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

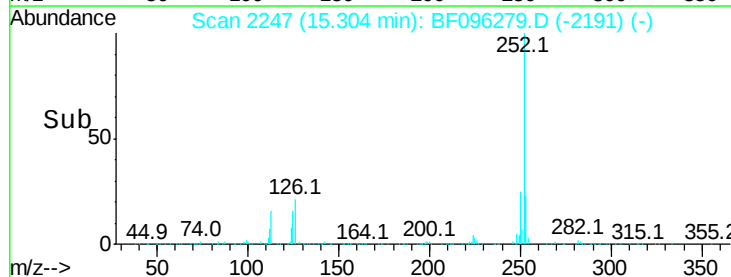
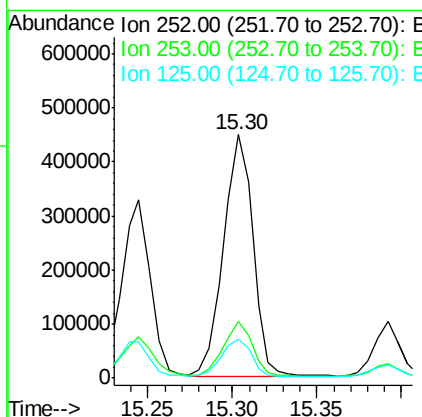
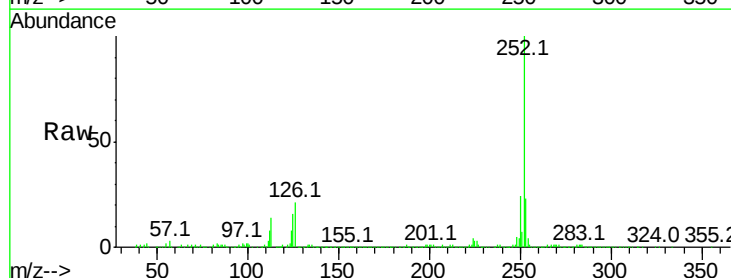
Instrument :
BNA_F
ClientSampleId :

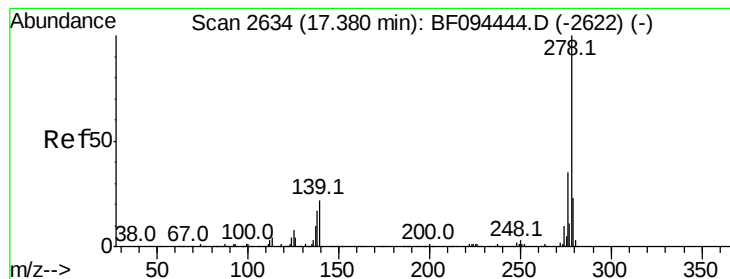
Tot Ion:252 Resp: 816321
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 16.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 43.50 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.03 min
Lab File: BF096279.D
Acq: 29 Jun 2017 5:59

Tgt Ion:252 Resp: 543402
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 16.2 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 8.07 ng

RT: 16.77 min Scan# 2496

Delta R.T. 0.03 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

Instrument :

BNA_F

ClientSampleId :

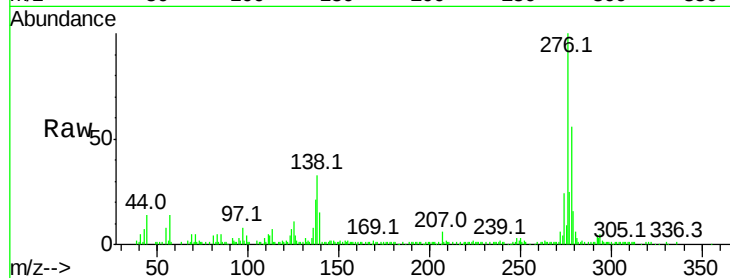
Tot Ion:278 Resp: 78977

Ion Ratio Lower Upper

278 100

139 27.0 16.6 24.8#

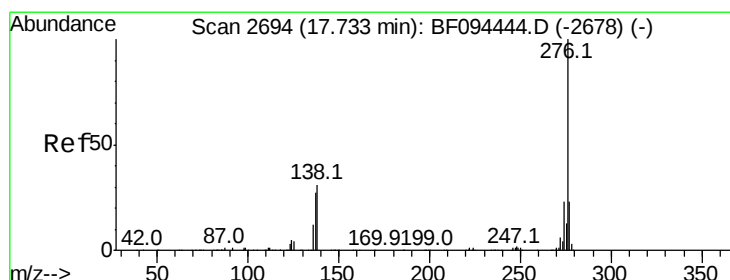
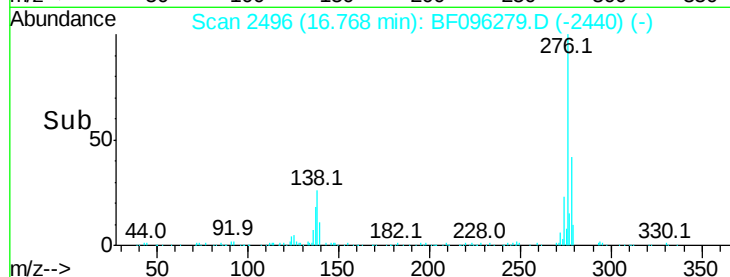
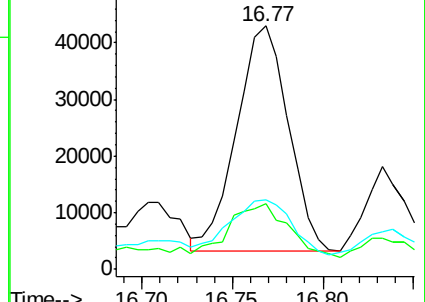
279 28.4 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 22.67 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.05 min

Lab File: BF096279.D

Acq: 29 Jun 2017 5:59

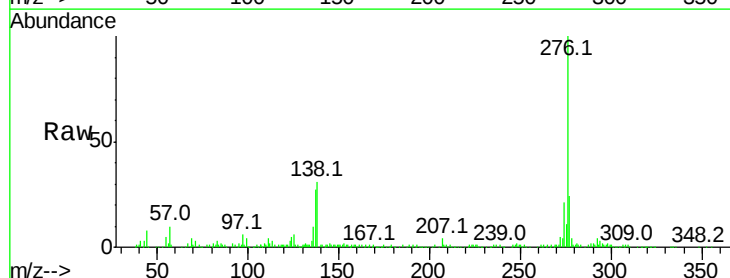
Tgt Ion:276 Resp: 230516

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 31.4 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

