

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096901.D
 Acq On : 20 Jul 2017 12:03
 Operator : SJ/JU
 Sample : I4276-01DL 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 15:27:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

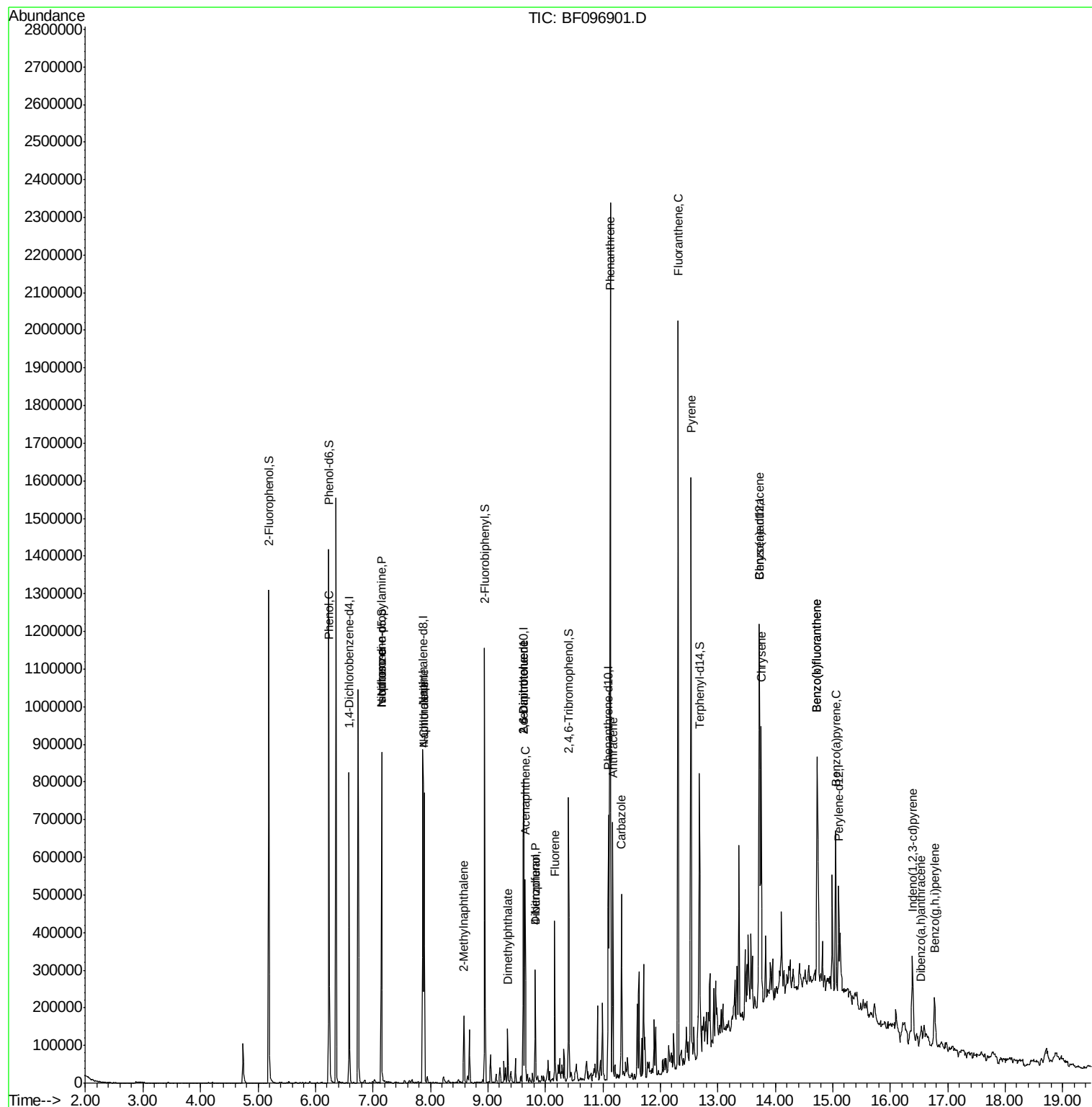
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	114033	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	405644	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	156924	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	249507	20.00	ng	0.00
75) Chrysene-d12	13.73	240	161779	20.00	ng	0.00
86) Perylene-d12	15.10	264	125436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	365609	48.21	ng	-0.01
7) Phenol-d6	6.23	99	437686	48.09	ng	-0.02
23) Nitrobenzene-d5	7.15	82	248179	37.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	68553	51.18	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	364980	36.75	ng	-0.02
78) Terphenyl-d14	12.68	244	198240	21.25	ng	-0.01
Target Compounds						
10) Phenol	6.25	94	22777	2.214	ng	98
19) n-Nitroso-di-n-propylamine	7.15	70	31866	5.812	ng	# 88
25) Isophorone	7.15	82	248176	20.371	ng	# 67
31) Naphthalene	7.89	128	292911	15.243	ng	100
33) 4-Chloroaniline	7.89	127	38525	5.060	ng	# 31
37) 2-Methylnaphthalene	8.59	142	49412	4.033	ng	98
49) Dimethylphthalate	9.35	163	53252	4.507	ng	98
50) 2,6-Dinitrotoluene	9.62	165	21474	8.391	ng	# 34
51) Acenaphthene	9.65	154	102801	11.021	ng	99
54) Dibenzofuran	9.82	168	104910	8.026	ng	98
55) 4-Nitrophenol	9.82	139	38428	17.349	ng	# 27
56) 2,4-Dinitrotoluene	9.62	165	21474	6.530	ng	# 33
57) Fluorene	10.16	166	105563	10.929	ng	100
70) Phenanthrene	11.13	178	891615	65.722	ng	99
71) Anthracene	11.17	178	264273	19.266	ng	97
72) Carbazole	11.33	167	174579	13.143	ng	98
74) Fluoranthene	12.31	202	838049	64.537	ng	99
77) Pyrene	12.53	202	700125	47.685	ng	98
80) Benzo(a)anthracene	13.72	228	319346	31.681	ng	100
82) Chrysene	13.76	228	279585	28.174	ng	97
85) Indeno(1,2,3-cd)pyrene	16.39	276	120692	15.755	ng	97
87) Benzo(b)fluoranthene	14.73	252	395777	52.315	ng	# 97
88) Benzo(k)fluoranthene	14.73	252	395777	55.246	ng	98
89) Benzo(a)pyrene	15.05	252	196908	28.378	ng	98
90) Dibenzo(a,h)anthracene	16.54	278	24547	3.845	ng	94
91) Benzo(g,h,i)perylene	16.77	276	102927	15.055	ng	98

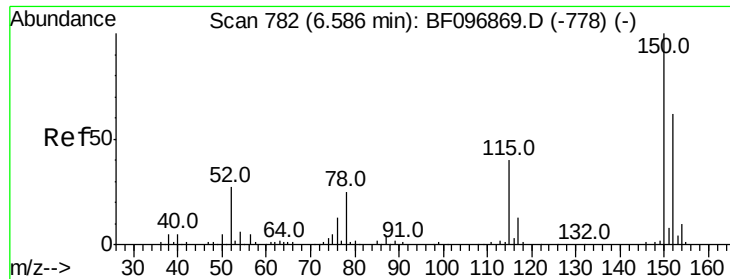
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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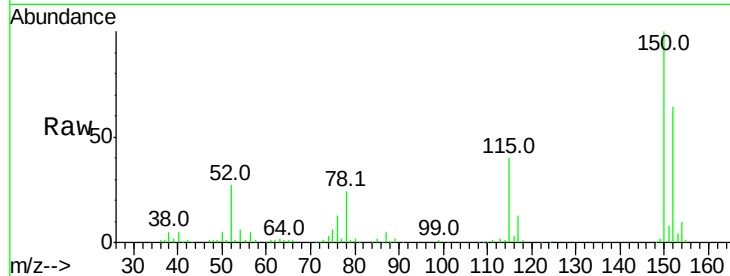


#1

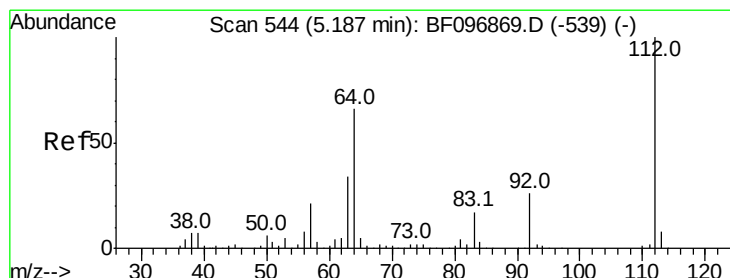
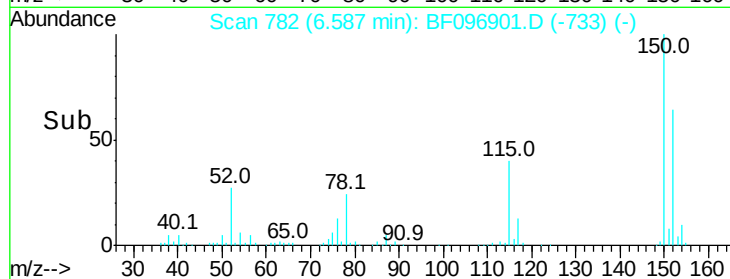
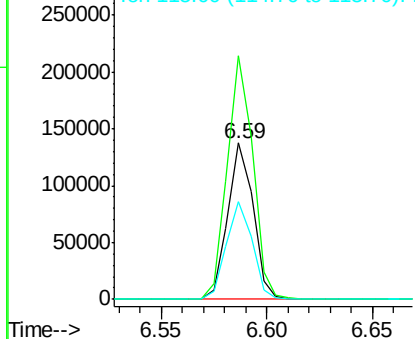
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.59 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 114033
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.2 189.2
 115 62.3 52.2 78.2



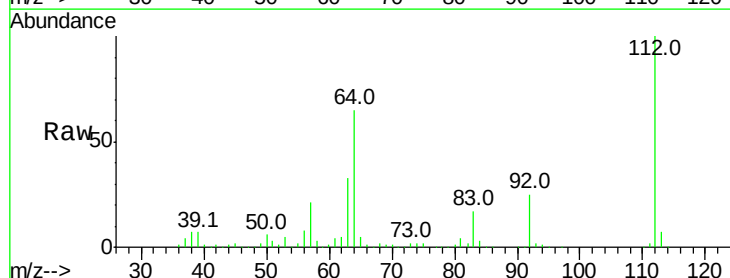
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



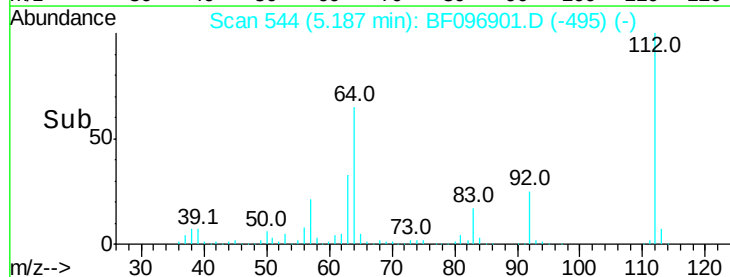
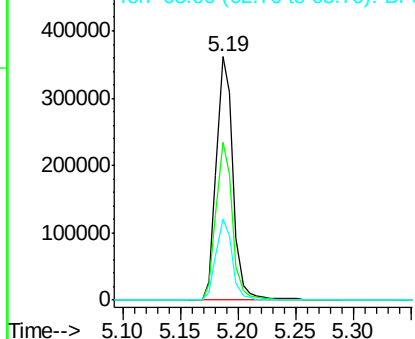
#5

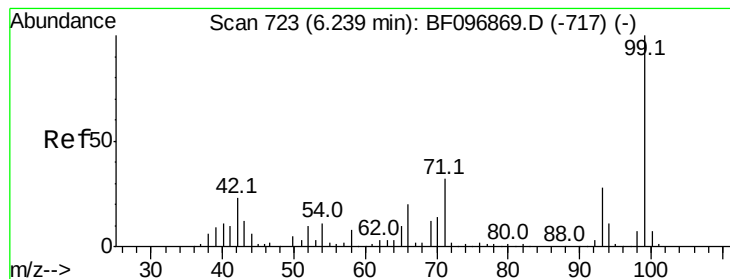
2-Fluorophenol
 Concen: 48.207 ng
 RT: 5.19 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Tgt Ion:112 Resp: 365609
 Ion Ratio Lower Upper
 112 100
 64 64.9 46.0 69.0
 63 33.1 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: 48.091 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

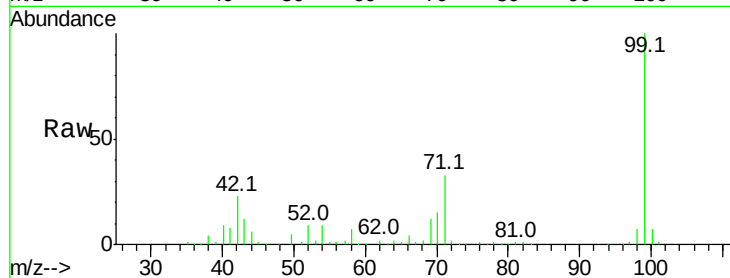
Tot Ion: 99 Resp: 437686

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

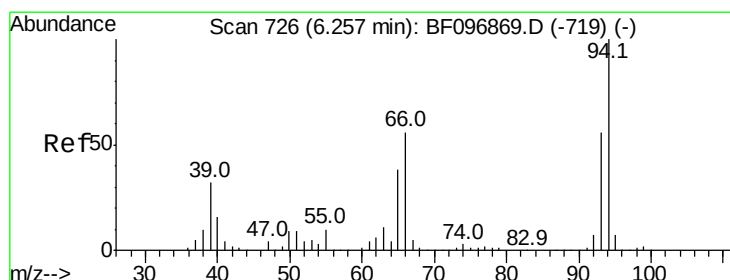
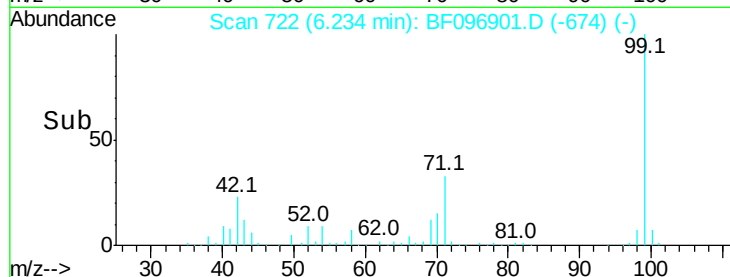
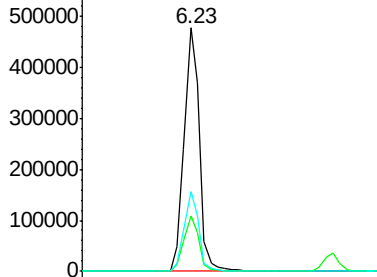
71 32.9 24.5 36.7



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



#10

Phenol

Concen: 2.214 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

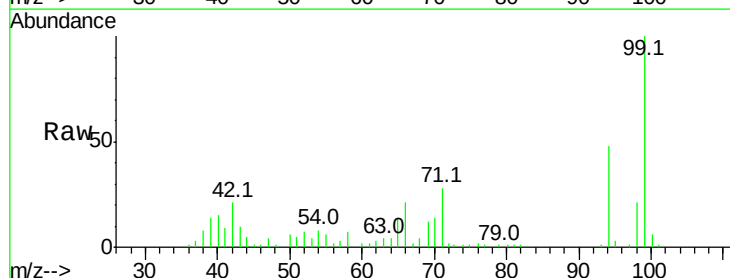
Tgt Ion: 94 Resp: 22777

Ion Ratio Lower Upper

94 100

65 30.2 9.9 49.9

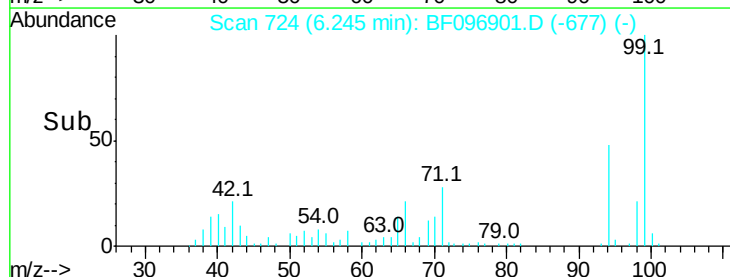
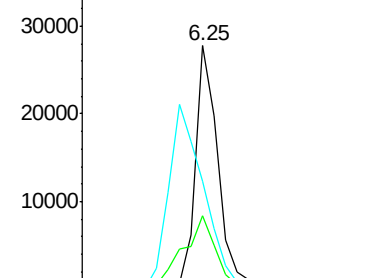
66 44.5 23.1 63.1

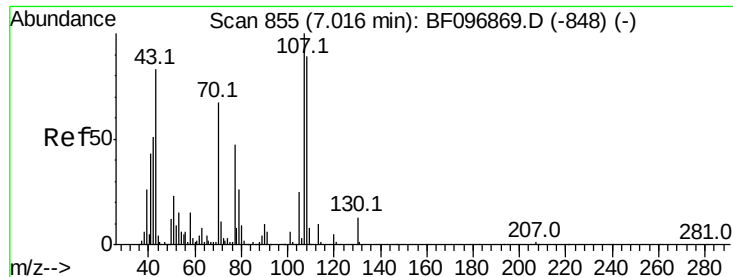


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

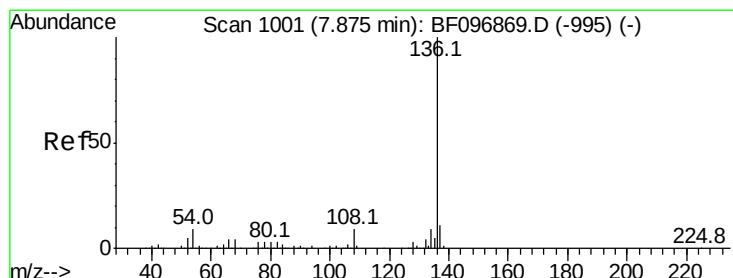
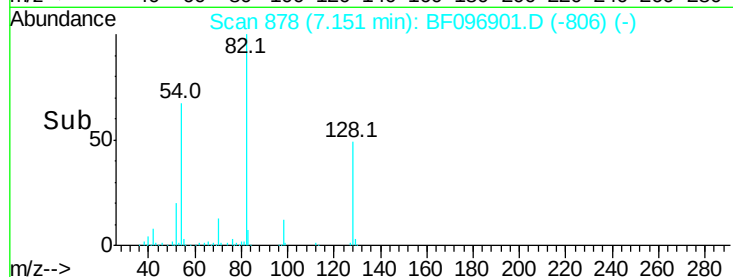
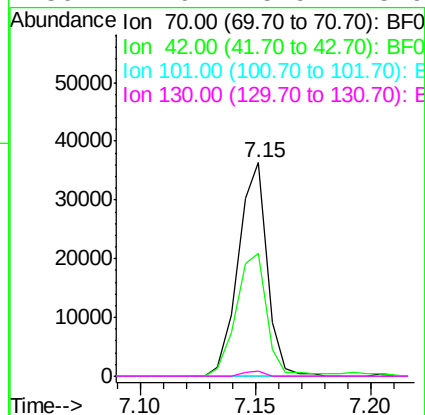
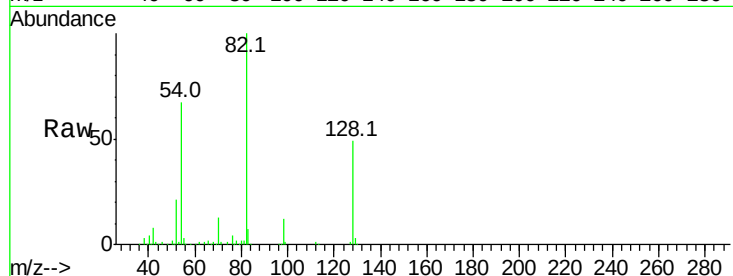




#19
n-Nitroso-di-n-propylamine
Concen: 5.812 ng
RT: 7.15 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

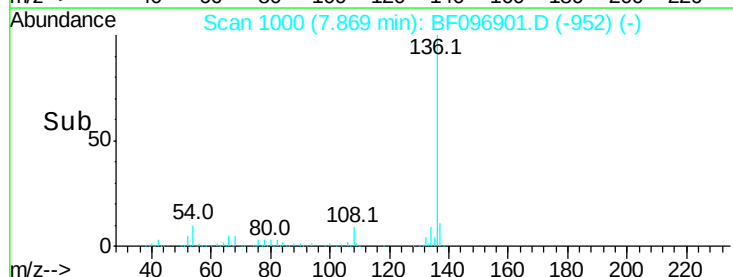
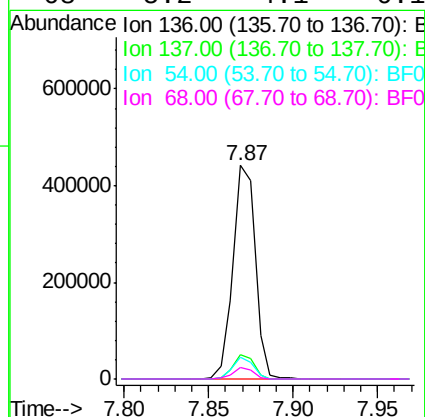
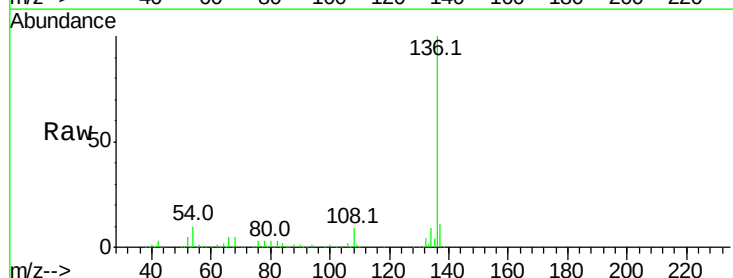
Instrument :
BNA_F
ClientSampleId :

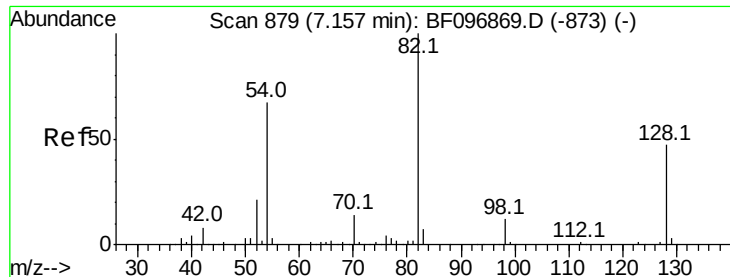
Tot Ion: 70 Resp: 31866
Ion Ratio Lower Upper
70 100
42 57.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion: 136 Resp: 405644
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.3 4.9 7.3#
68 5.2 4.1 6.1

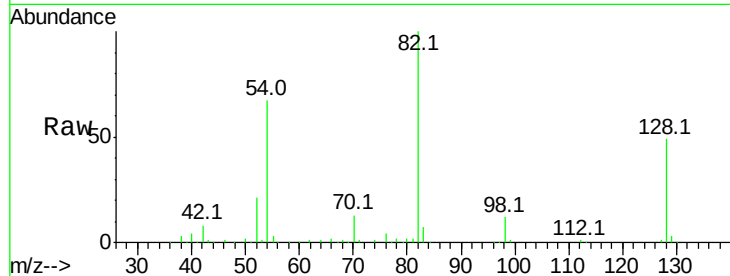




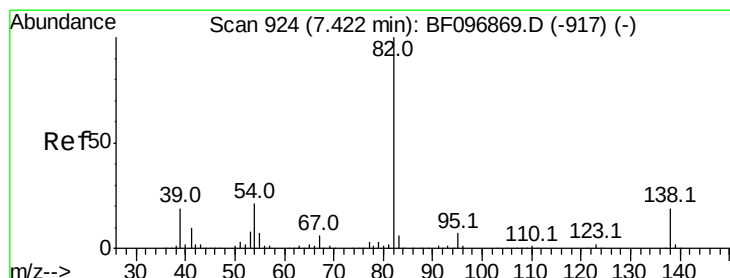
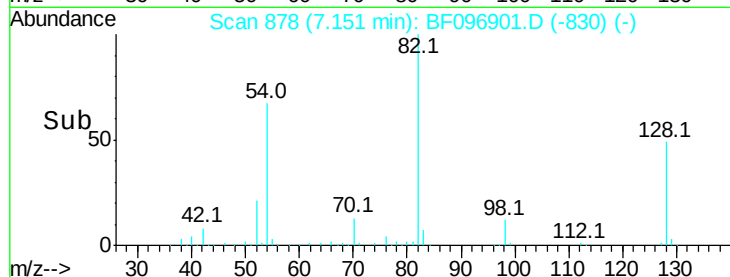
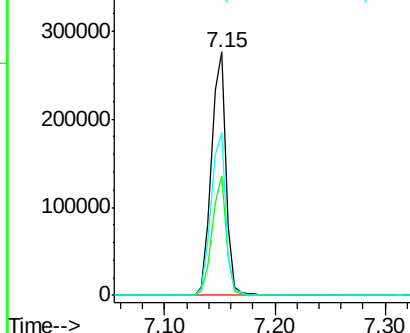
#23
Nitrobenzene-d5
Concen: 37.896 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 248179
Ion Ratio Lower Upper
82 100
128 49.3 34.0 51.0
54 67.2 42.2 63.2#

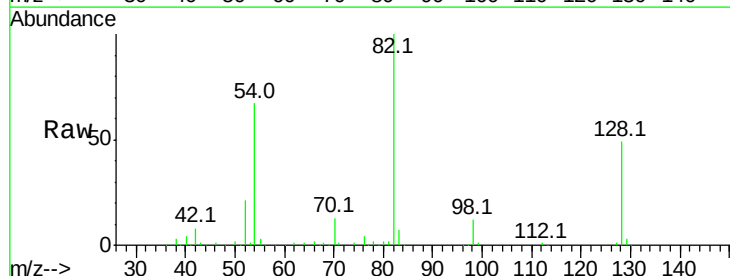


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

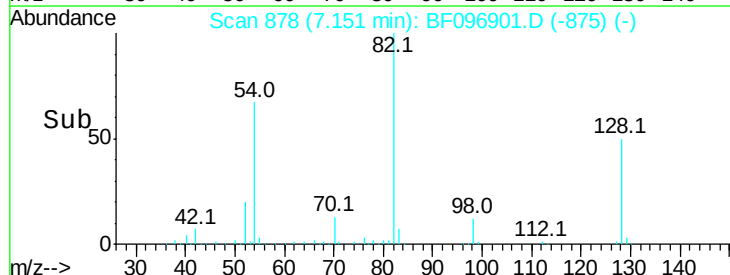
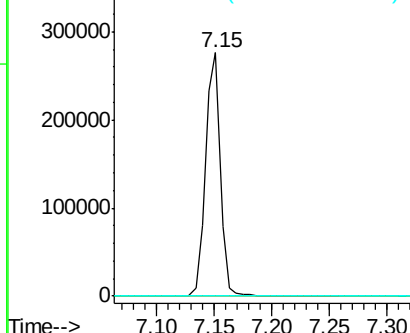


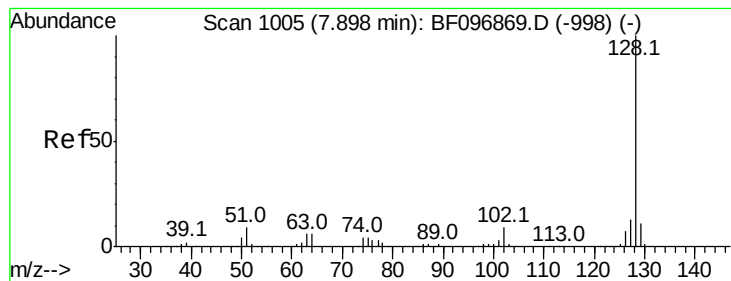
#25
Isophorone
Concen: 20.371 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.28 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion: 82 Resp: 248176
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 15.243 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampled :

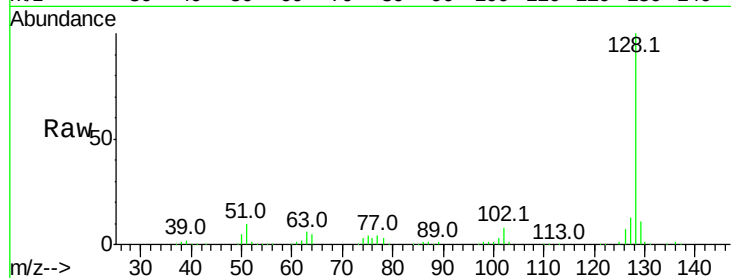
Tot Ion:128 Resp: 292911

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

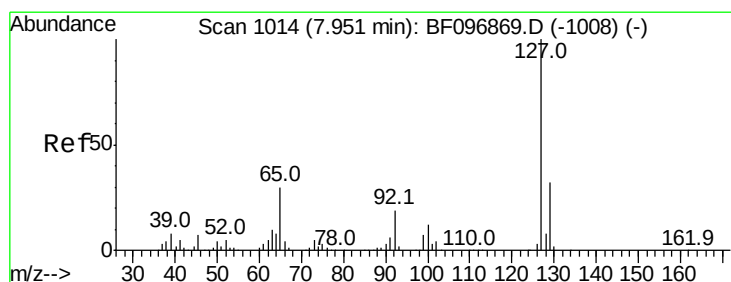
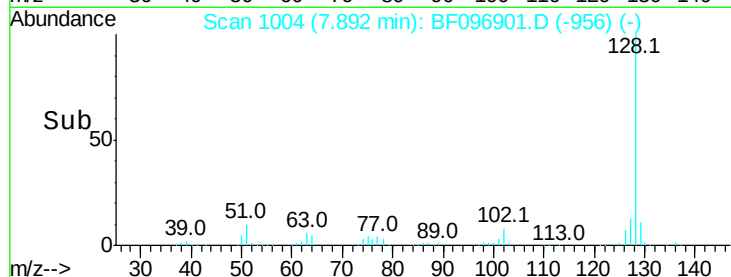
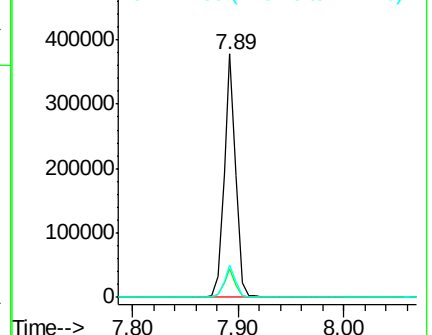
127 13.4 10.8 16.2



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



#33

4-Chloroaniline

Concen: 5.060 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.07 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Tgt Ion:127 Resp: 38525

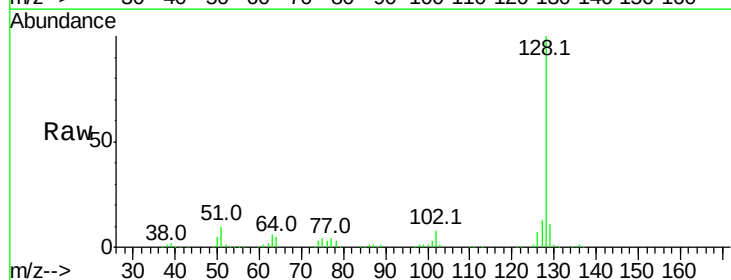
Ion Ratio Lower Upper

127 100

129 85.8 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

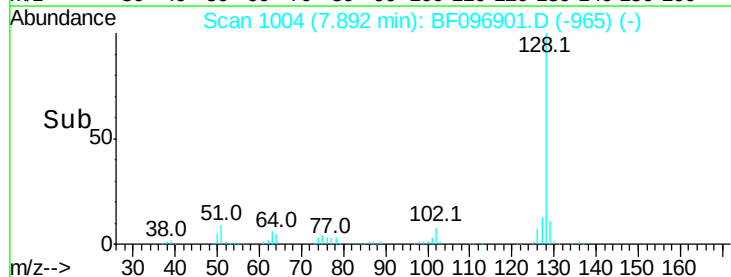
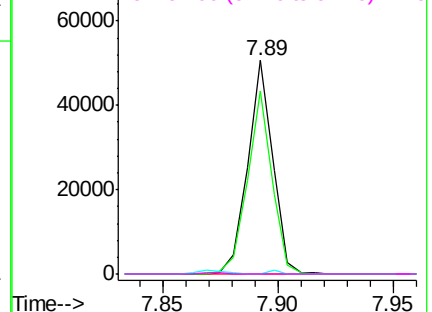


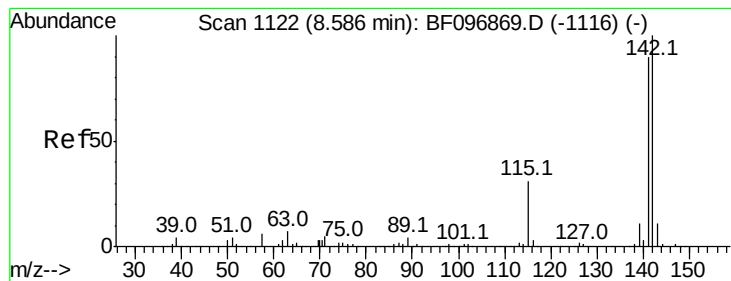
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 4.033 ng

RT: 8.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

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ClientSampleId :

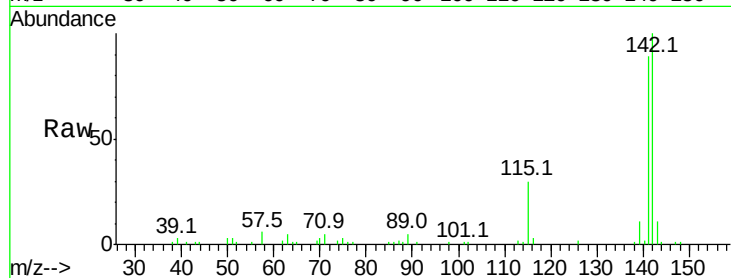
Tot Ion:142 Resp: 49412

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9

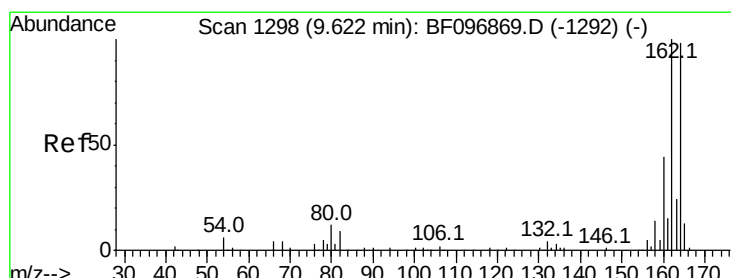
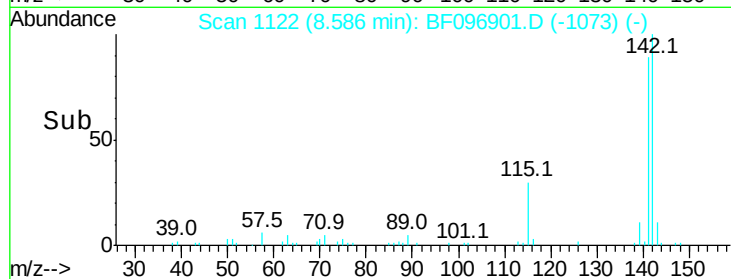
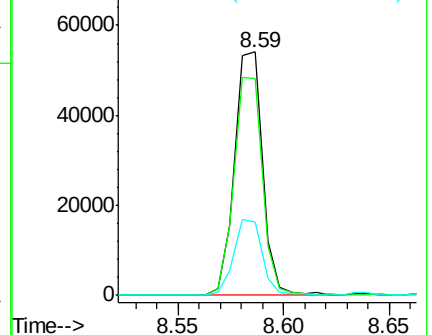
115 30.2 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

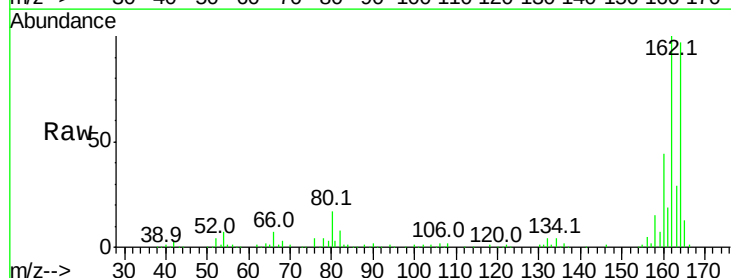
Tgt Ion:164 Resp: 156924

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

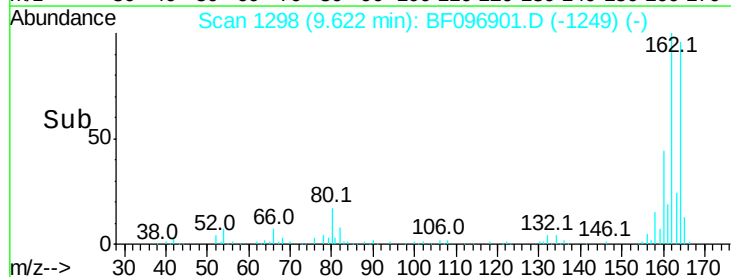
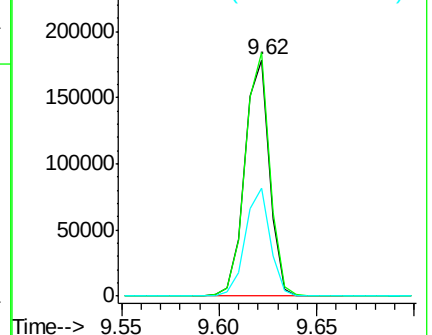
160 45.5 36.2 54.2

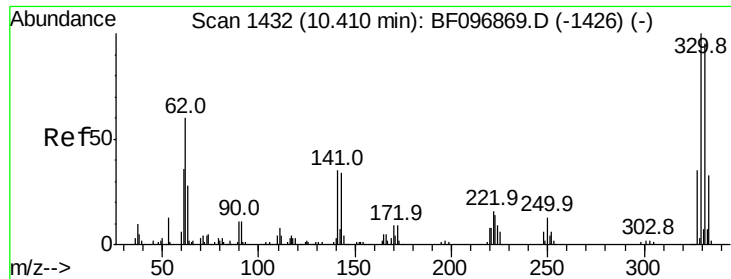


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

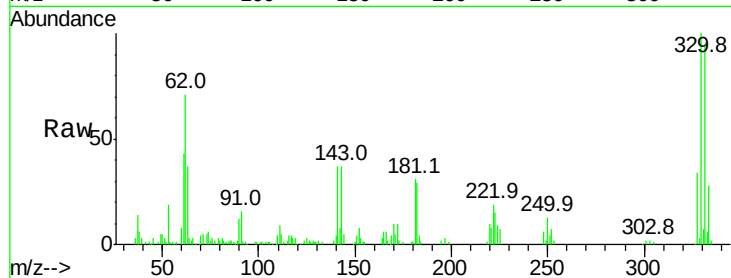




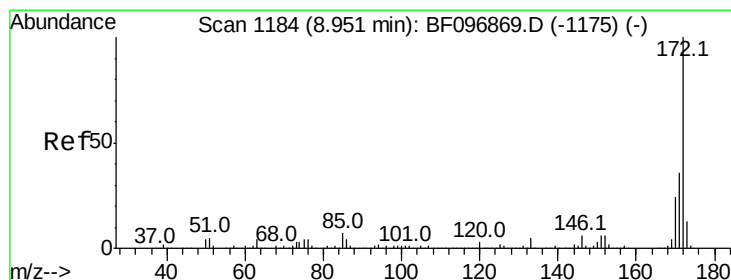
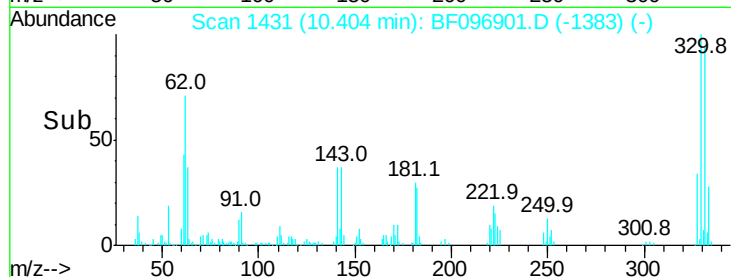
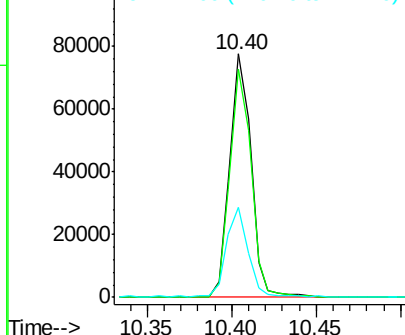
#41
 2,4,6-Tribromophenol
 Concen: 51.179 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 68553
 Ion Ratio Lower Upper
 330 100
 332 93.7 76.6 115.0
 141 38.6 31.4 47.2

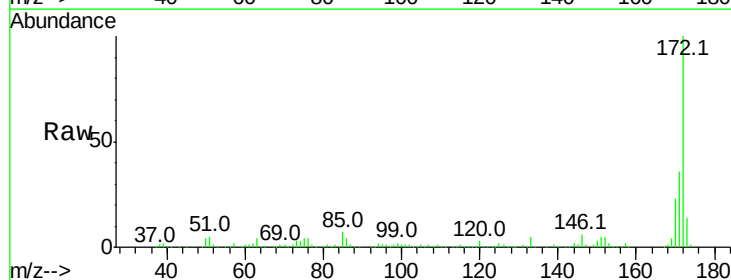


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

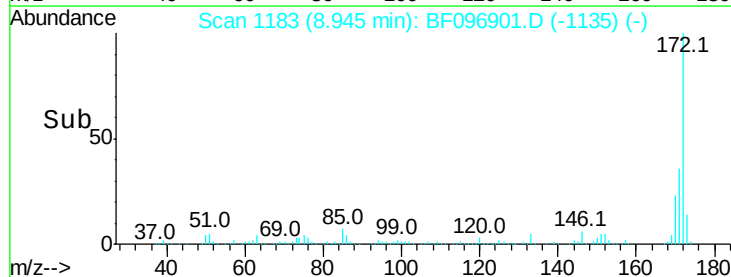
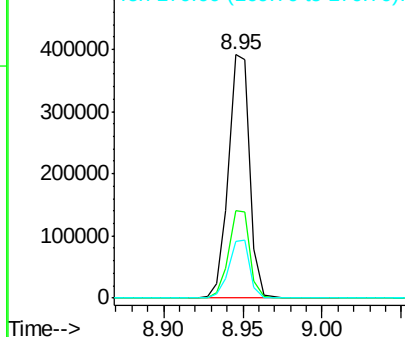


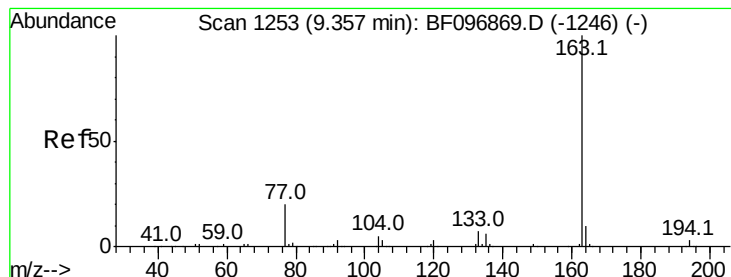
#44
 2-Fluorobiphenyl
 Concen: 36.746 ng
 RT: 8.95 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Tgt Ion:172 Resp: 364980
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.5 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





#49

Dimethylphthalate

Concen: 4.507 ng

RT: 9.35 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

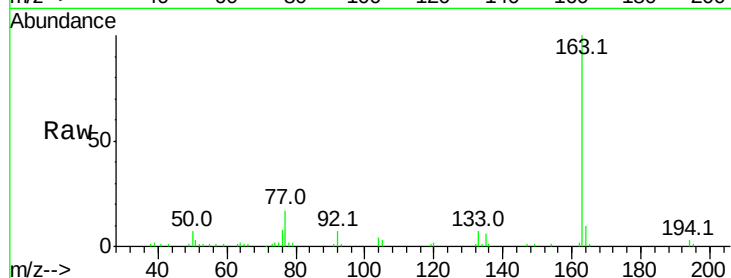
Tot Ion:163 Resp: 53252

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

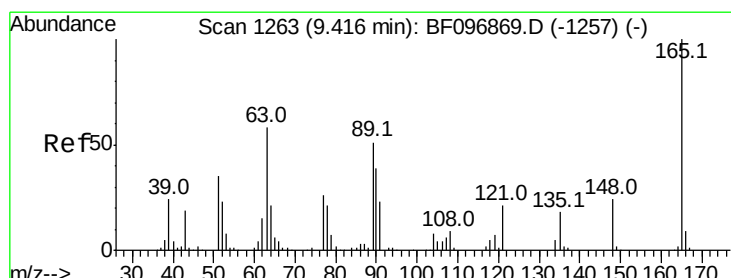
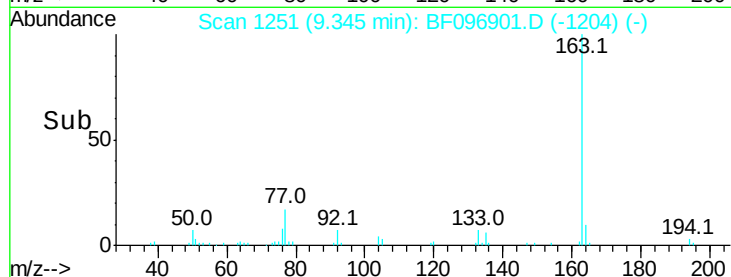
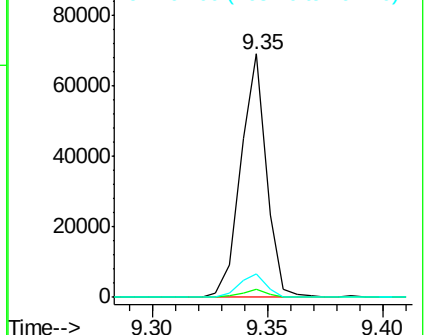
164 9.7 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.391 ng

RT: 9.62 min Scan# 1298

Delta R.T. 0.19 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

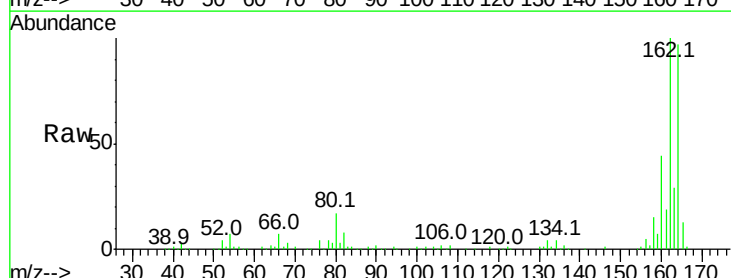
Tgt Ion:165 Resp: 21474

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

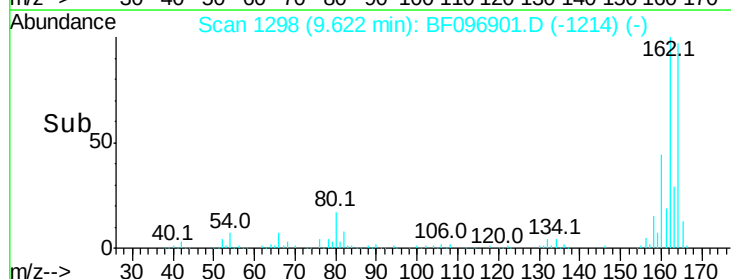
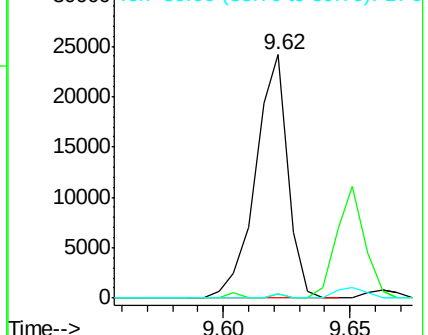
89 1.5 37.1 55.7#

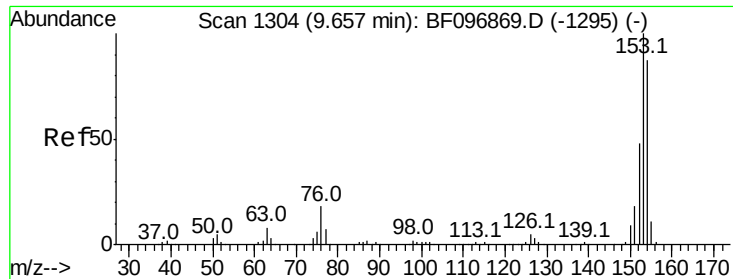


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 11.021 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

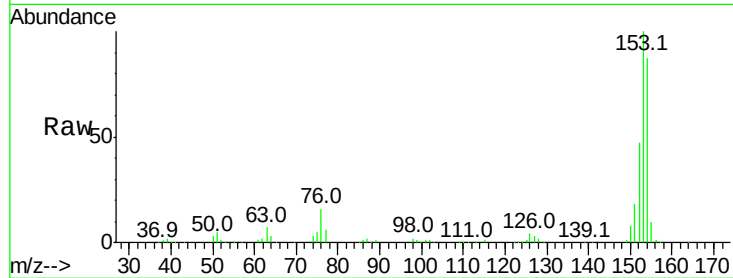
Tot Ion:154 Resp: 102801

Ion Ratio Lower Upper

154 100

153 115.4 90.5 135.7

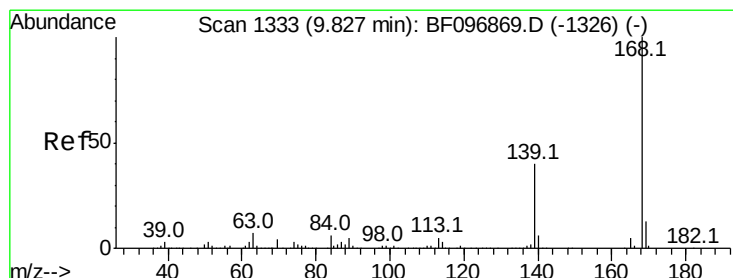
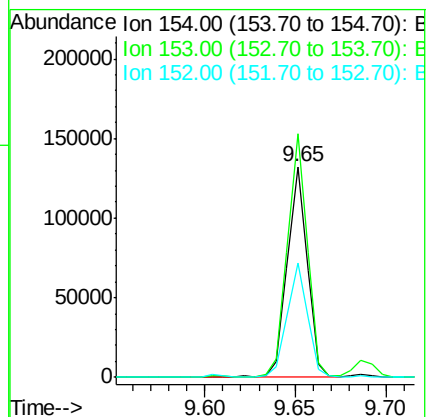
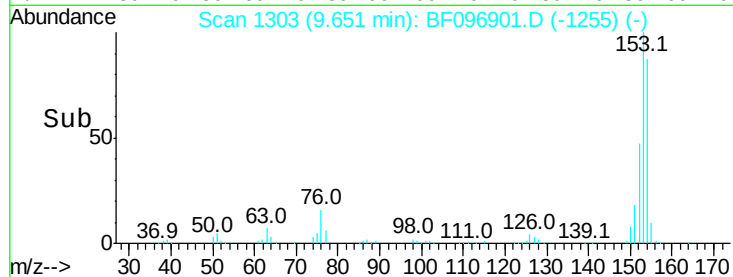
152 54.4 43.6 65.4



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



#54

Dibenzofuran

Concen: 8.026 ng

RT: 9.82 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

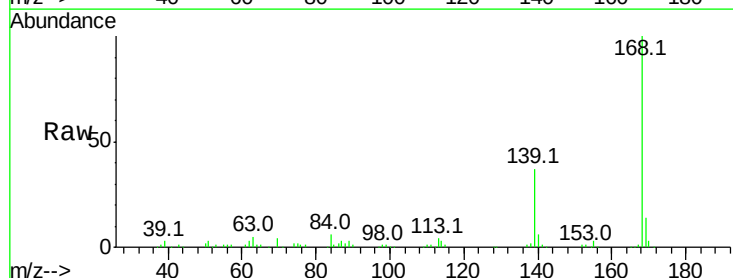
Tgt Ion:168 Resp: 104910

Ion Ratio Lower Upper

168 100

139 37.2 30.6 45.8

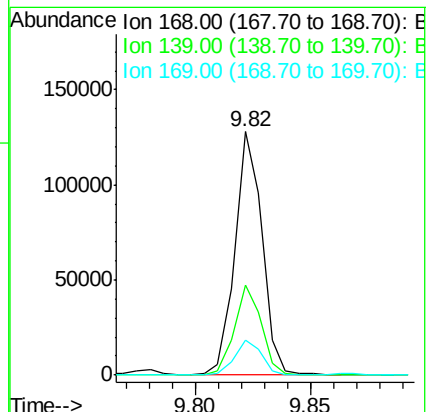
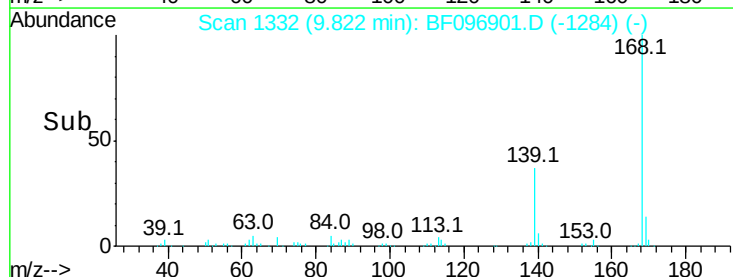
169 14.2 10.8 16.2

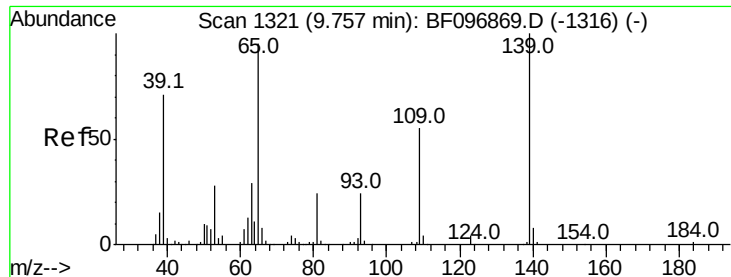


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

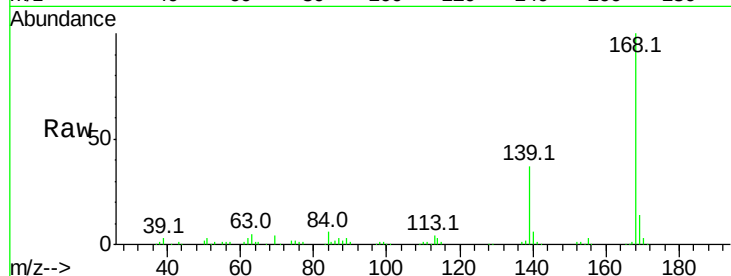




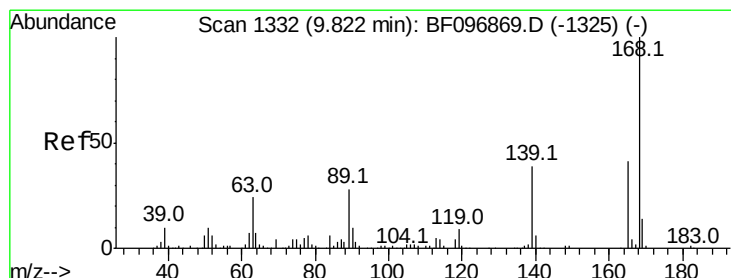
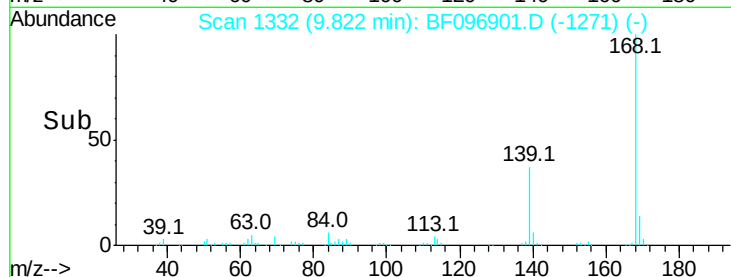
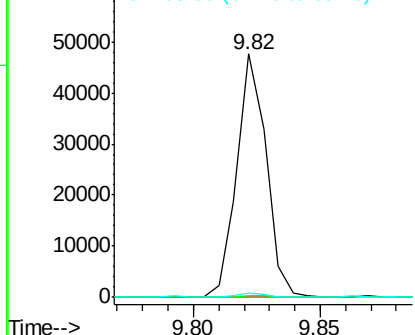
#55
4-Nitrophenol
Concen: 17.349 ng
RT: 9.82 min Scan# 1332
Delta R.T. 0.06 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 38428
Ion Ratio Lower Upper
139 100
109 0.8 34.1 74.1#
65 1.8 31.4 71.4#

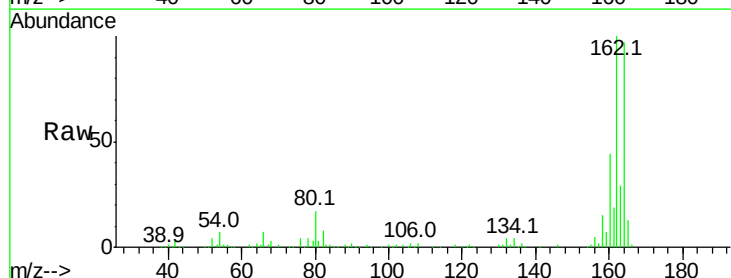


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

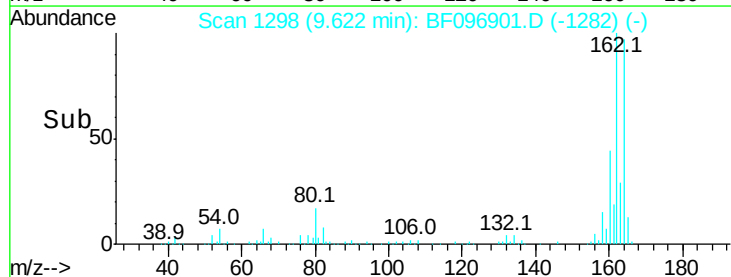
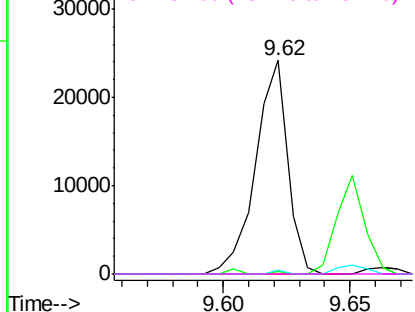


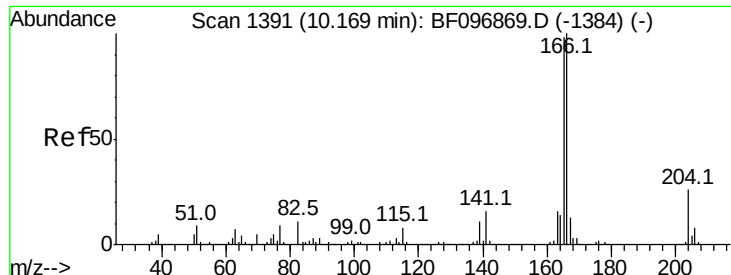
#56
2,4-Dinitrotoluene
Concen: 6.530 ng
RT: 9.62 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion:165 Resp: 21474
Ion Ratio Lower Upper
165 100
63 1.5 25.4 38.0#
89 1.5 46.4 69.6#
182 0.0 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

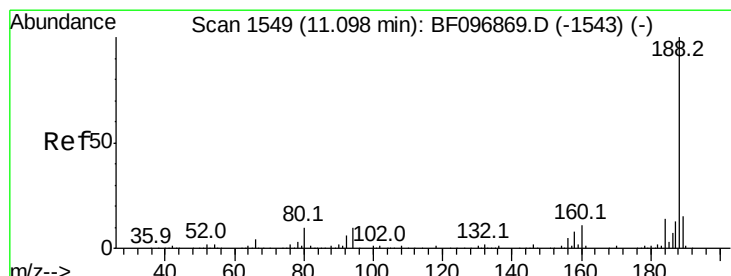
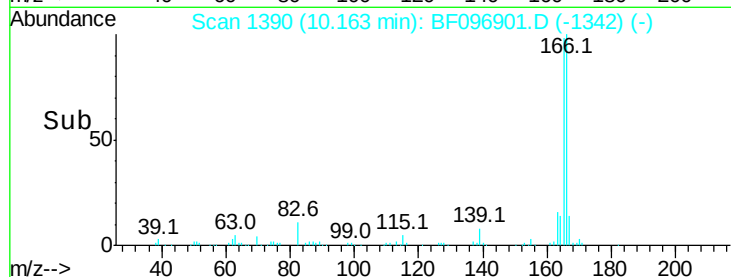
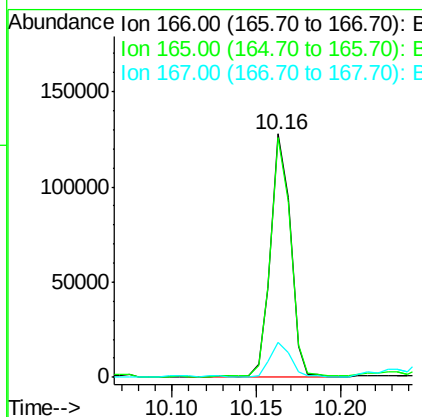
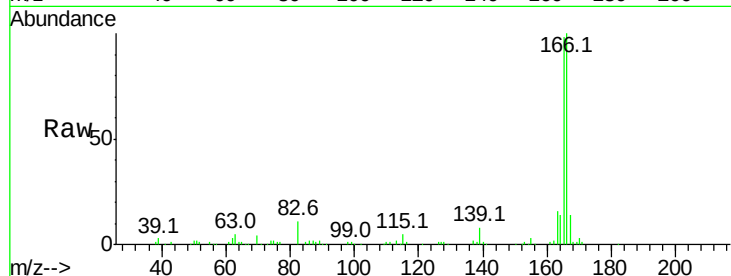




#57
Fluorene
 Concen: 10.929 ng
 RT: 10.16 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

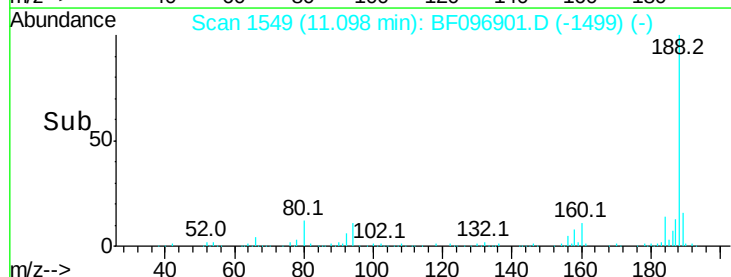
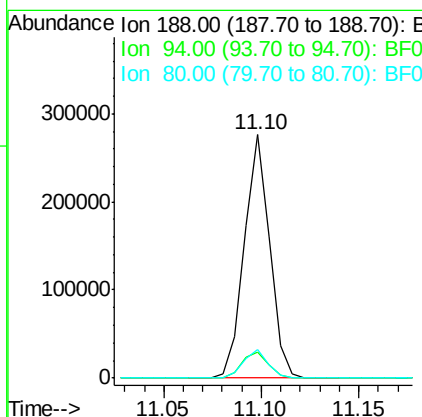
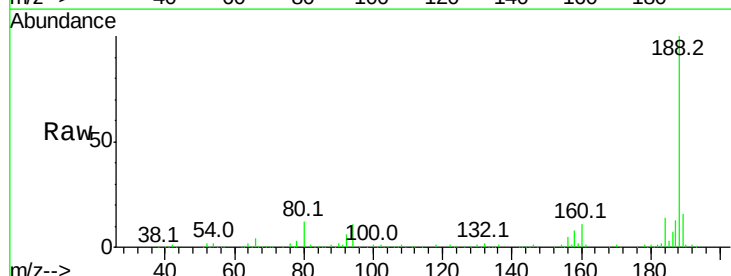
Instrument :
 BNA_F
 ClientSampleId :

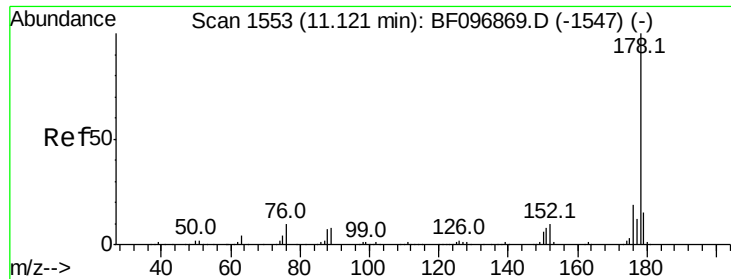
Tot Ion:166 Resp: 105563
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.8 118.2
 167 14.2 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Tgt Ion:188 Resp: 249507
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 11.6 10.2 15.2

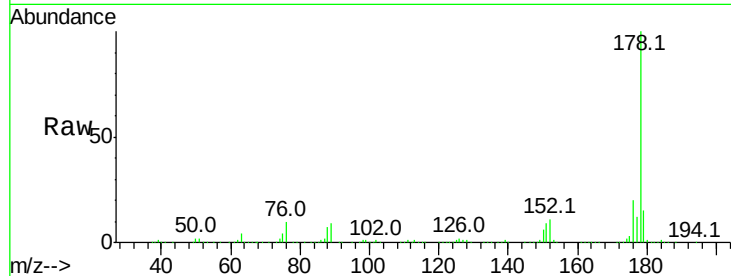




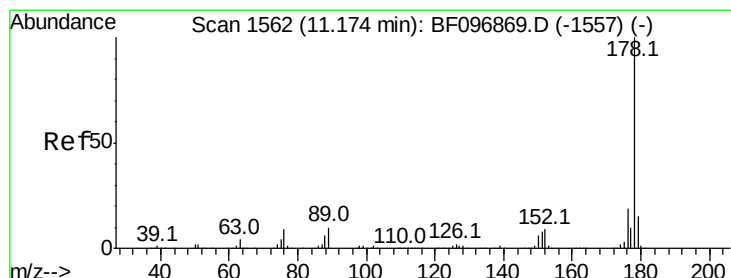
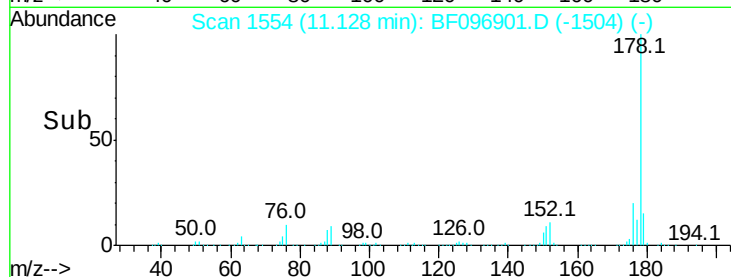
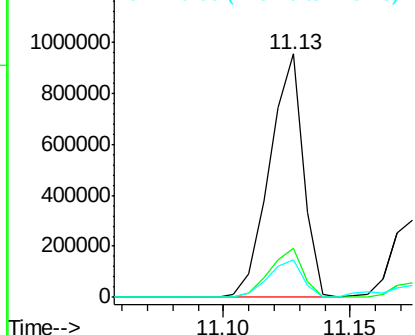
#70
Phenanthrene
Concen: 65.722 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 891615
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.2 12.6 19.0

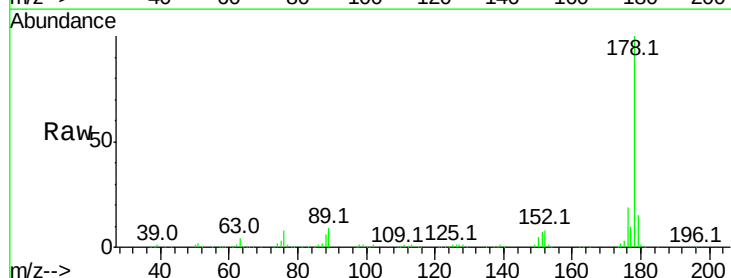


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

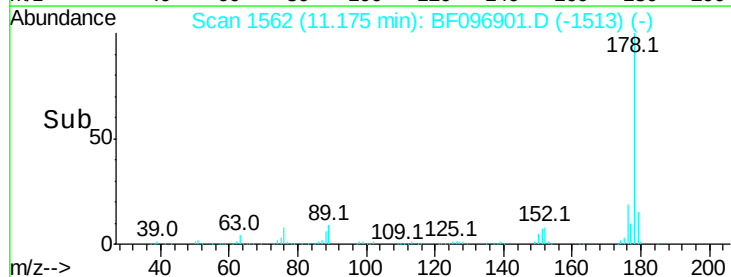
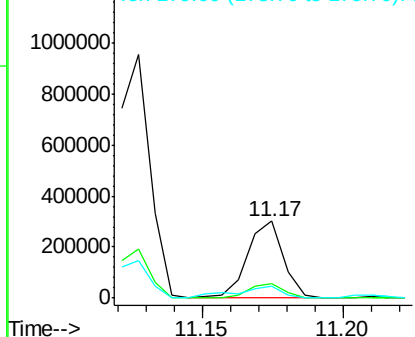


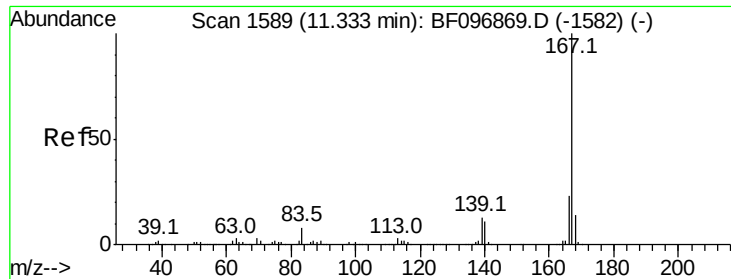
#71
Anthracene
Concen: 19.266 ng
RT: 11.17 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion:178 Resp: 264273
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.7 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: 13.143 ng

RT: 11.33 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

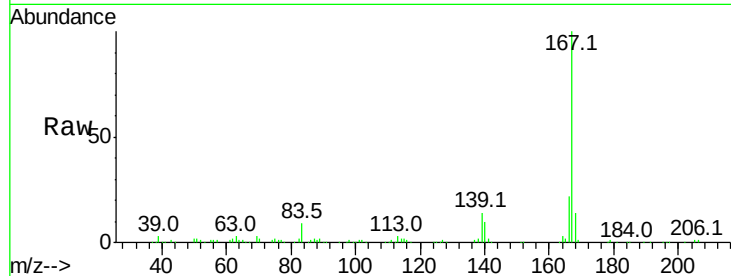
Tot Ion:167 Resp: 174579

Ion Ratio Lower Upper

167 100

166 21.7 18.1 27.1

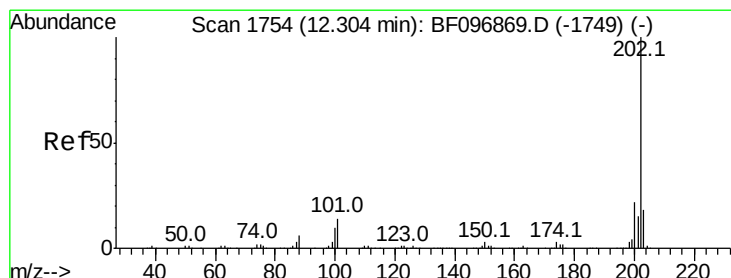
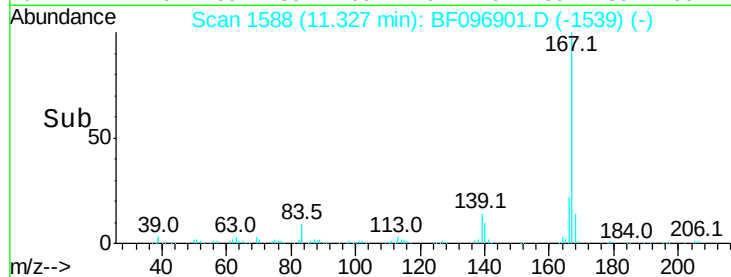
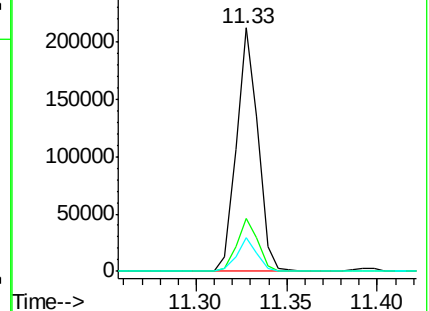
139 14.1 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 64.537 ng

RT: 12.31 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

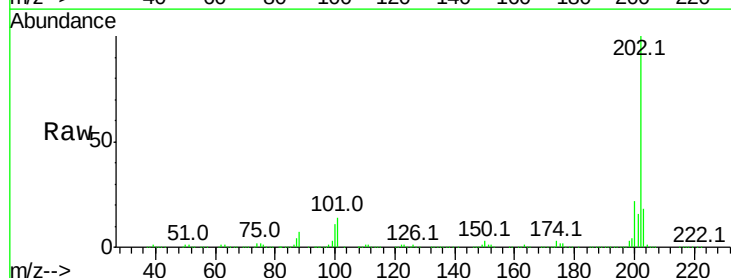
Tgt Ion:202 Resp: 838049

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

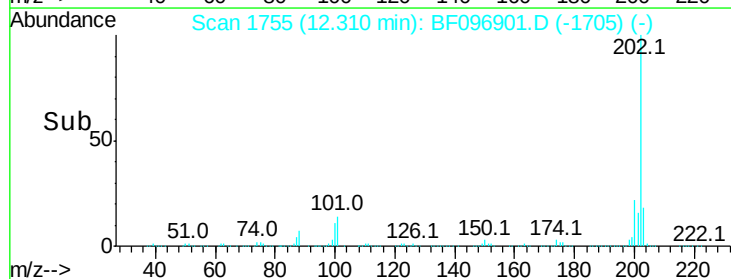
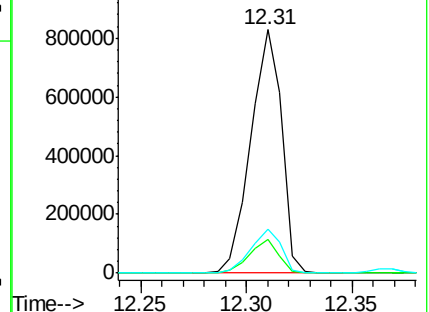
203 17.9 0.0 38.1

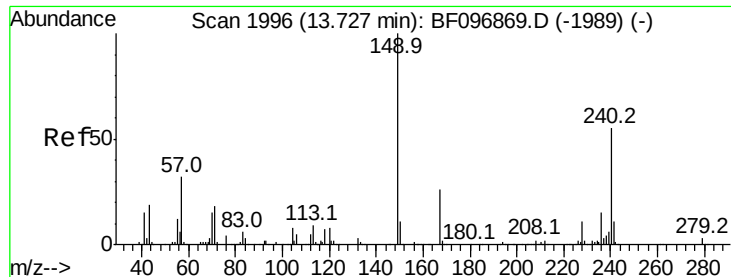


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

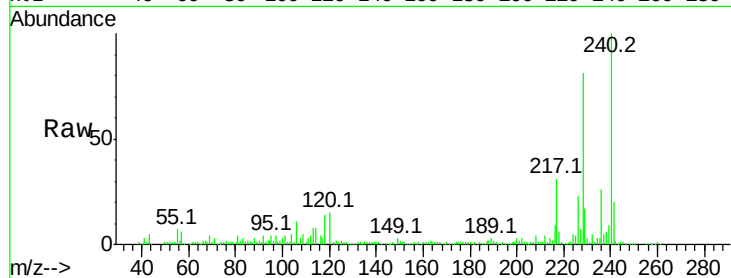
Tot Ion:240 Resp: 161779

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

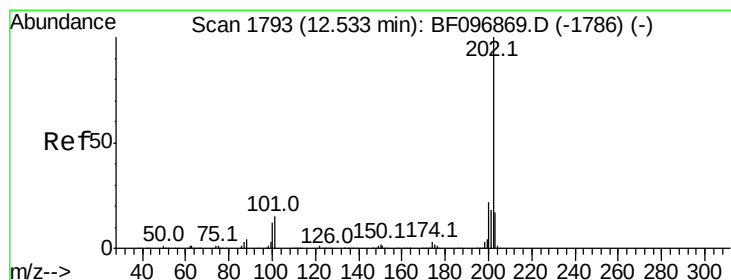
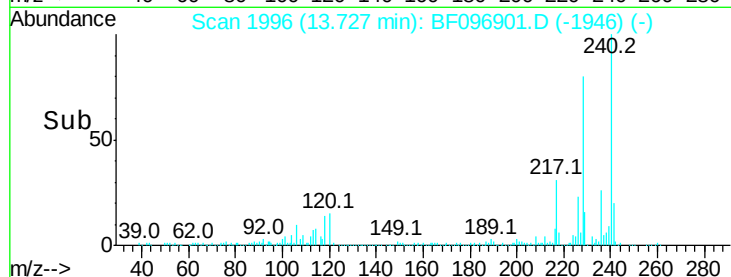
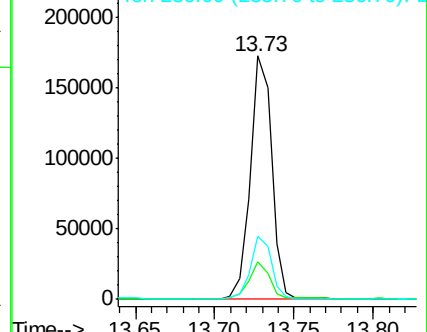
236 26.0 20.5 30.7



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: 47.685 ng

RT: 12.53 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

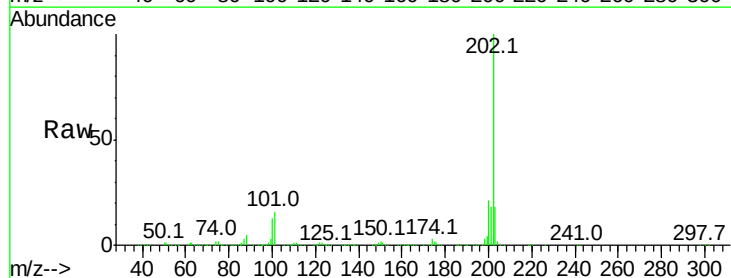
Tgt Ion:202 Resp: 700125

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

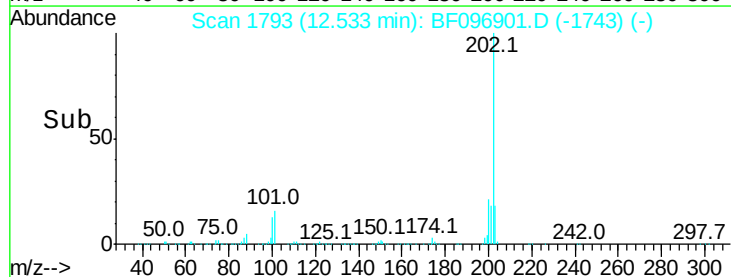
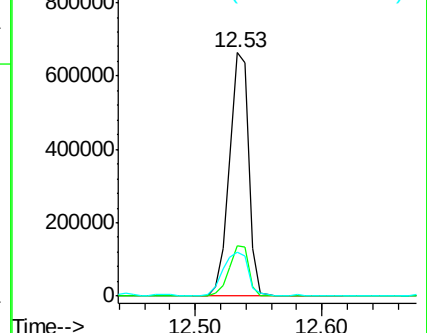
203 18.2 14.4 21.6

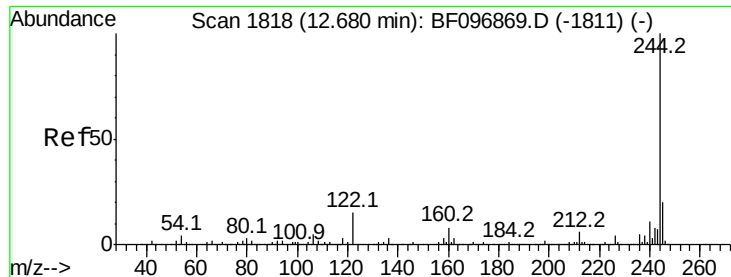


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.251 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

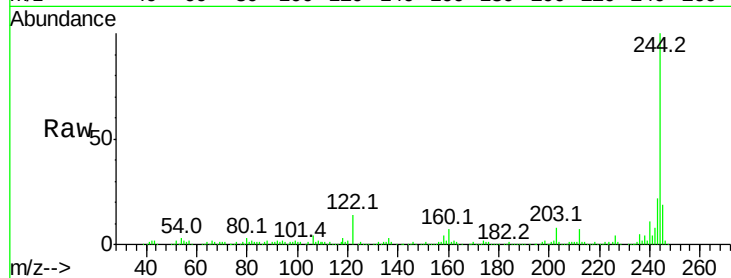
Tot Ion:244 Resp: 198240

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

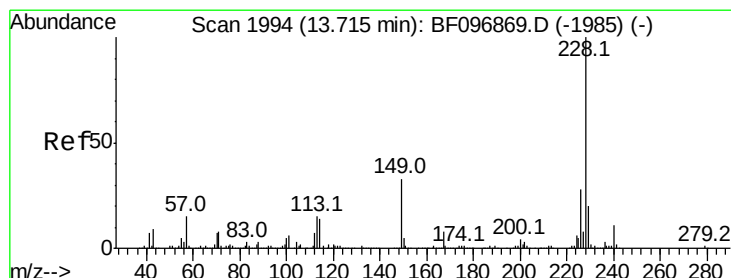
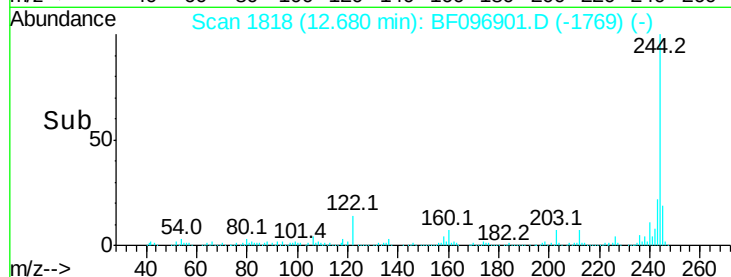
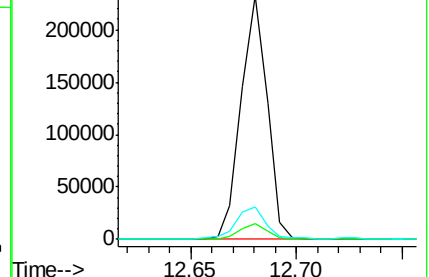
122 13.5 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 31.681 ng

RT: 13.72 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

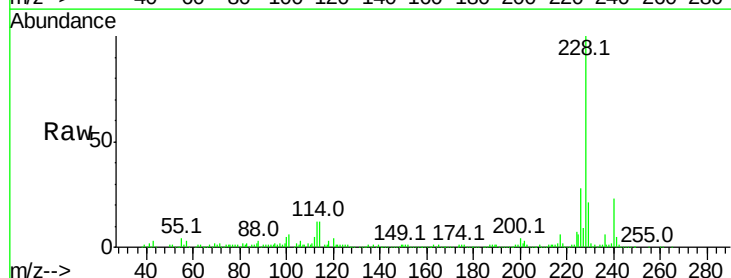
Tgt Ion:228 Resp: 319346

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

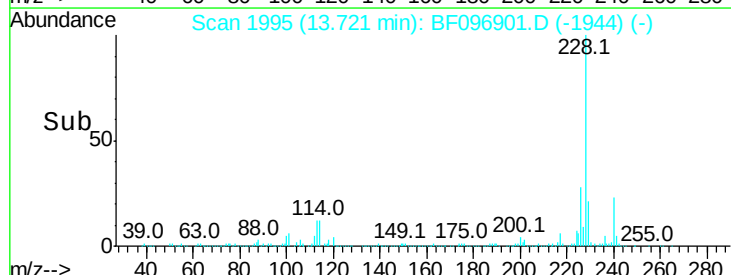
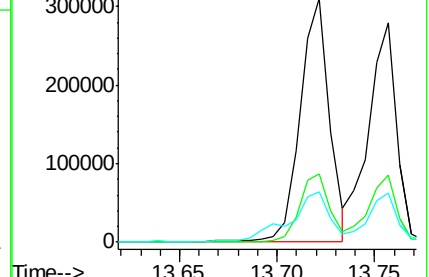
229 20.8 16.3 24.5

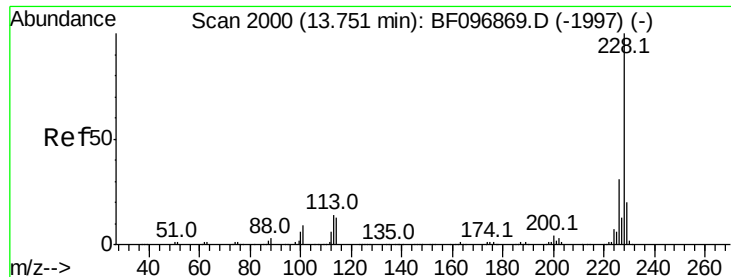


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 28.174 ng

RT: 13.76 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampled :

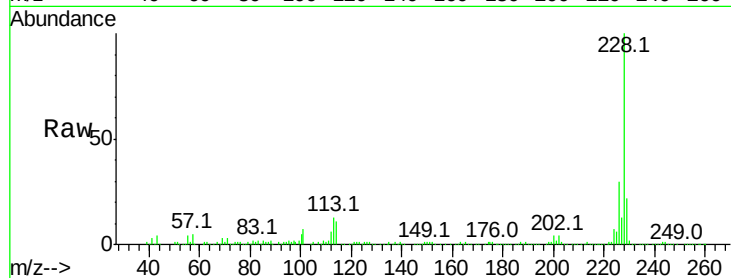
Tot Ion:228 Resp: 279585

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

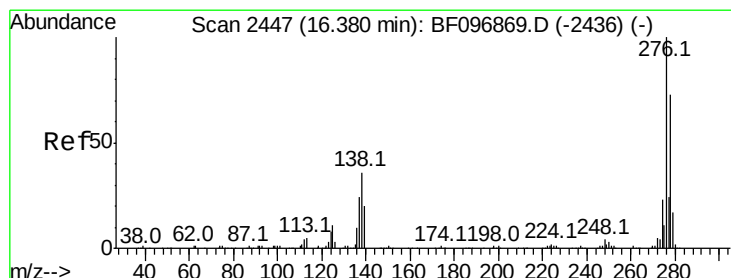
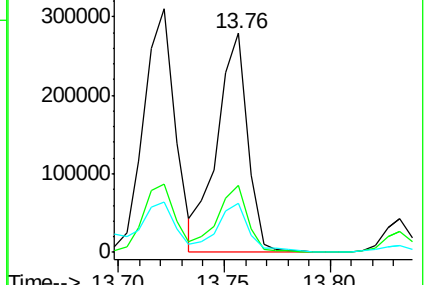
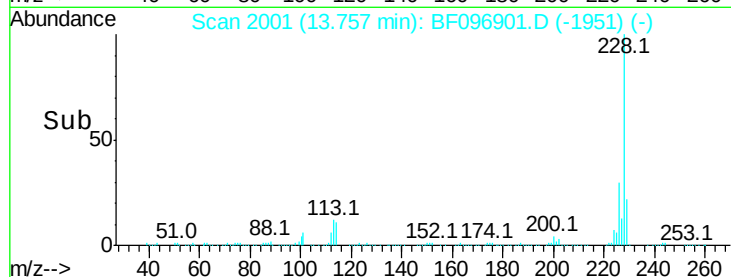
229 22.1 15.8 23.6



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: 15.755 ng

RT: 16.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

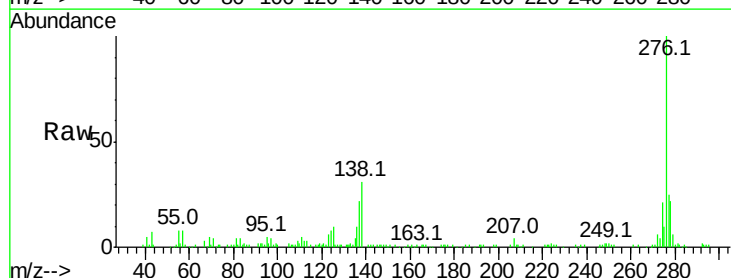
Tgt Ion:276 Resp: 120692

Ion Ratio Lower Upper

276 100

138 31.7 27.8 41.6

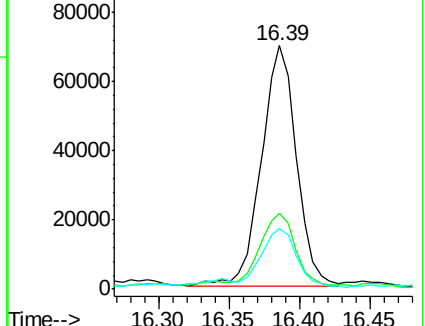
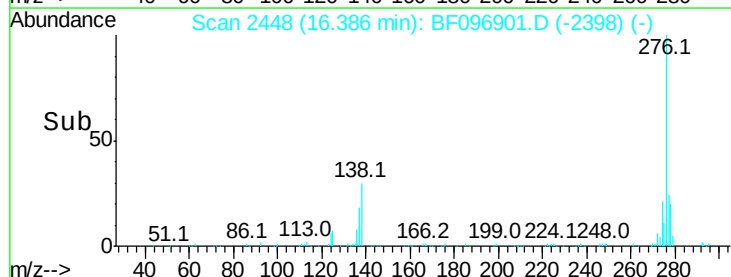
277 25.3 20.2 30.4

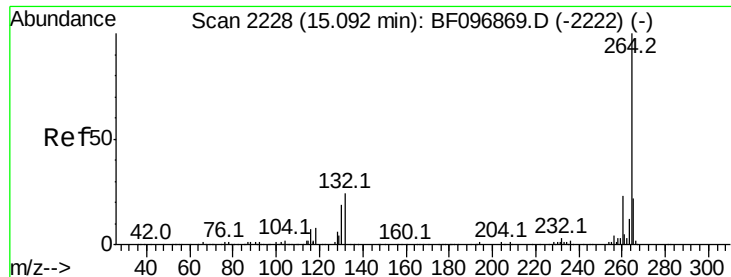


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampled :

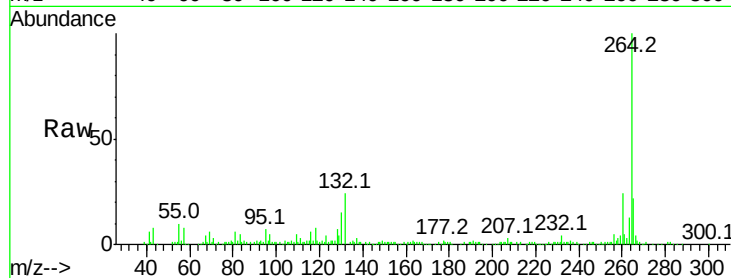
Tot Ion:264 Resp: 125436

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

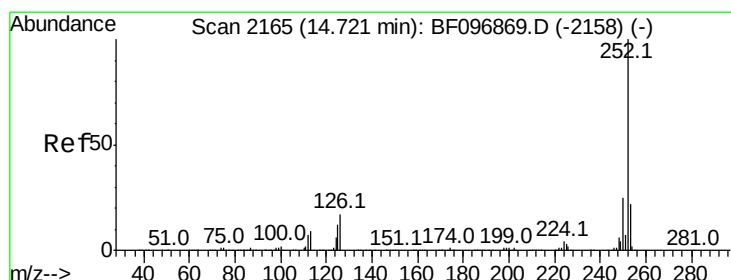
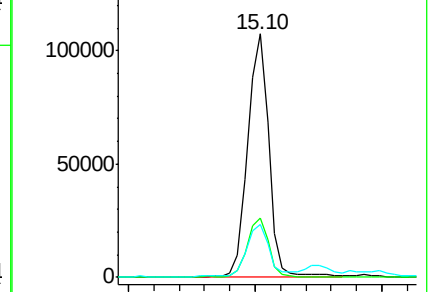
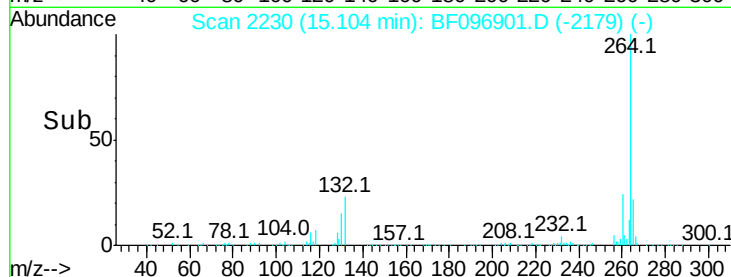
265 22.0 17.2 25.8



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



#87

Benzo(b)fluoranthene

Concen: 52.315 ng

RT: 14.73 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

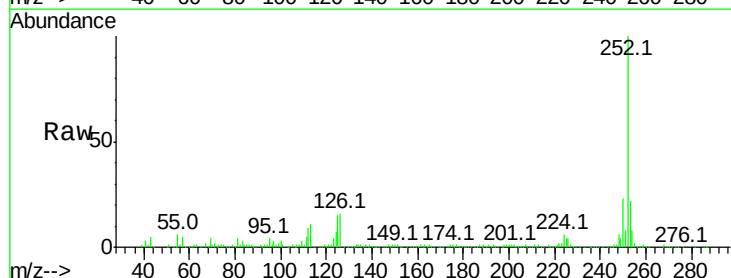
Tgt Ion:252 Resp: 395777

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

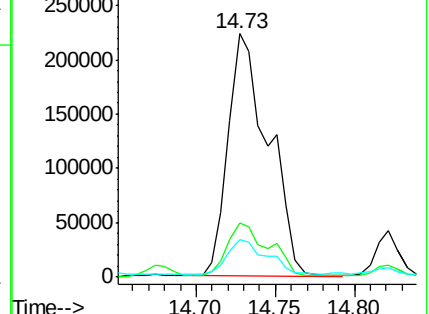
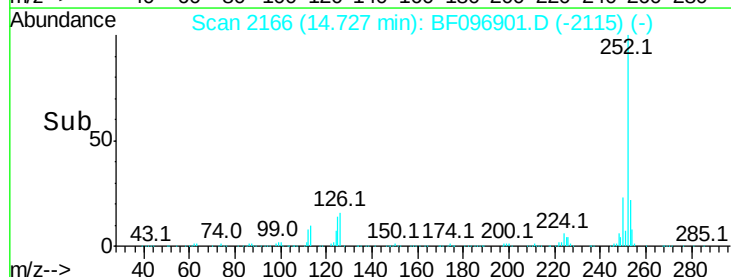
125 15.3 9.8 14.8#

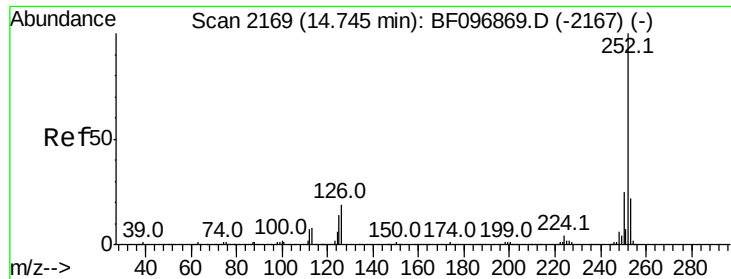


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

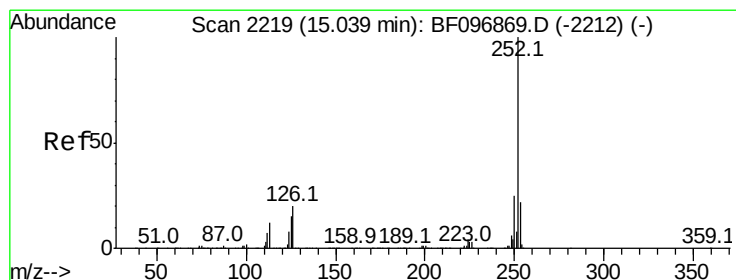
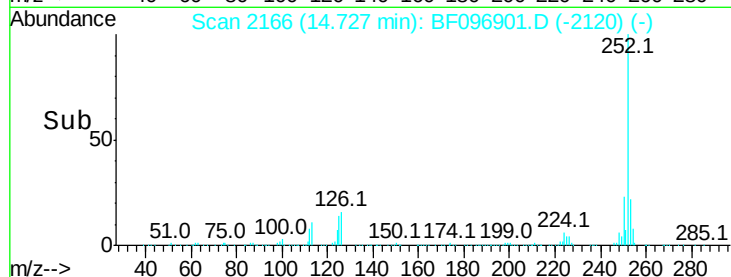
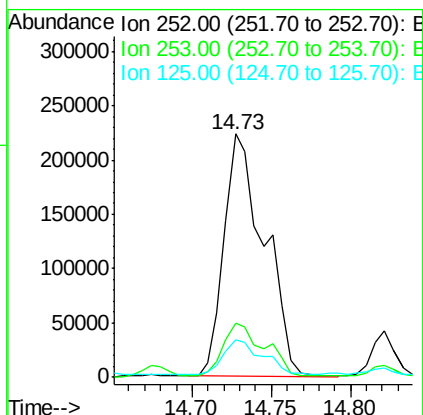
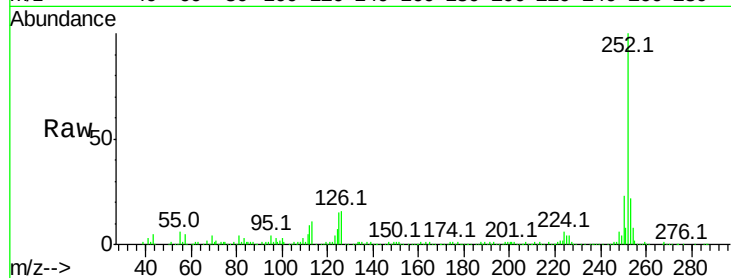




#88
Benzo(k)fluoranthene
Concen: 55.246 ng
RT: 14.73 min Scan# 2166
Delta R.T. -0.03 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

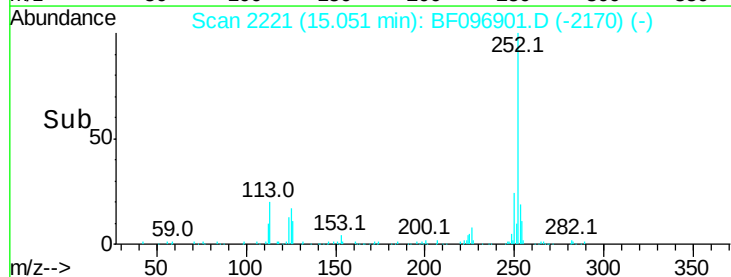
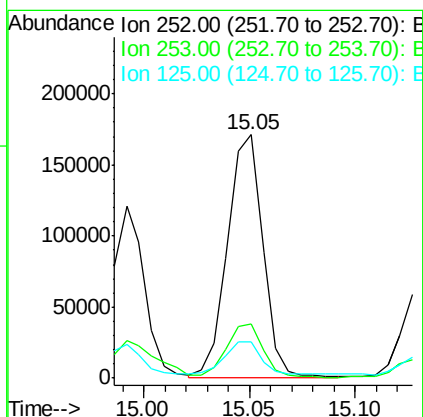
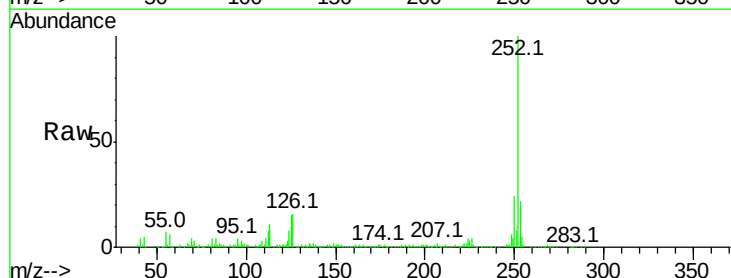
Instrument :
BNA_F
ClientSampleId :

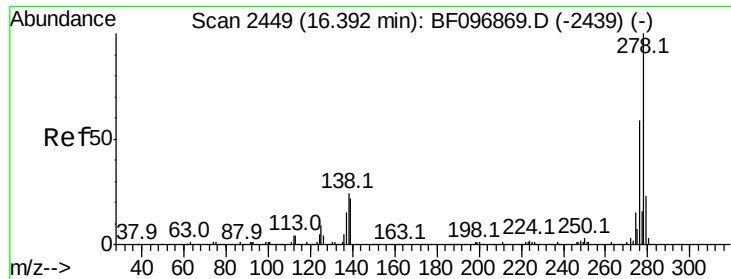
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	15.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 28.378 ng
RT: 15.05 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.0	11.0	16.4

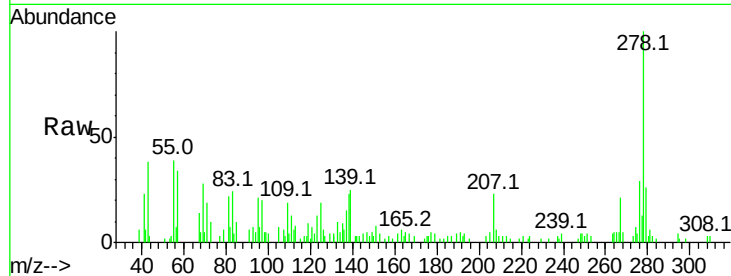




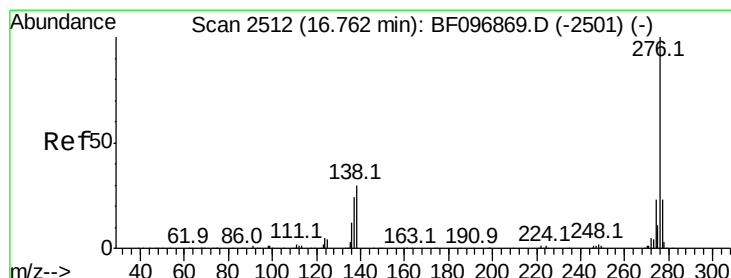
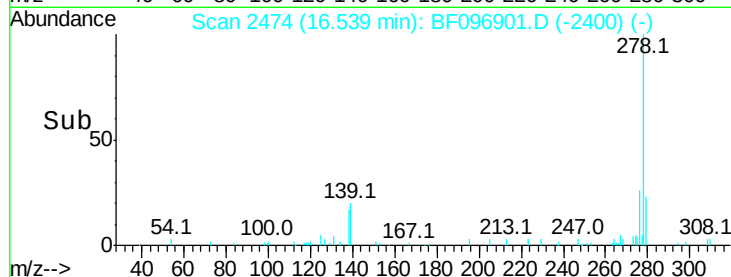
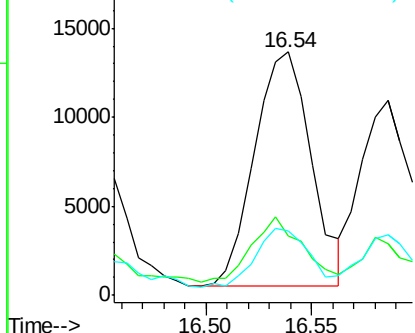
#90
Dibenzo(a,h)anthracene
Concen: 3.845 ng
RT: 16.54 min Scan# 2474
Delta R.T. 0.14 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 24547
Ion Ratio Lower Upper
278 100
139 24.5 16.6 24.8
279 26.5 19.3 28.9

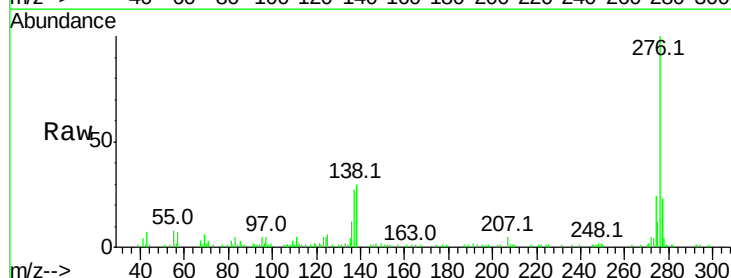


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 15.055 ng
RT: 16.77 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion:276 Resp: 102927
Ion Ratio Lower Upper
276 100
277 22.9 18.6 28.0
138 30.1 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

