

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093781.D
 Acq On : 20 Mar 2017 23:05
 Operator : SJ/MA
 Sample : I2318-03 20X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-01

Quant Time: Mar 21 01:07:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 16:03:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	240437	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	909567	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	407589	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	570244	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	347530	20.00	ng	-0.02
86) Perylene-d12	15.40	264	354420	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	78363	5.70	ng	-0.02
7) Phenol-d6	6.45	99	96689	5.69	ng	-0.03
23) Nitrobenzene-d5	7.38	82	50340	3.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	10285	3.26	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	117243	4.84	ng	-0.02
78) Terphenyl-d14	12.94	244	64277	3.77	ng	-0.01

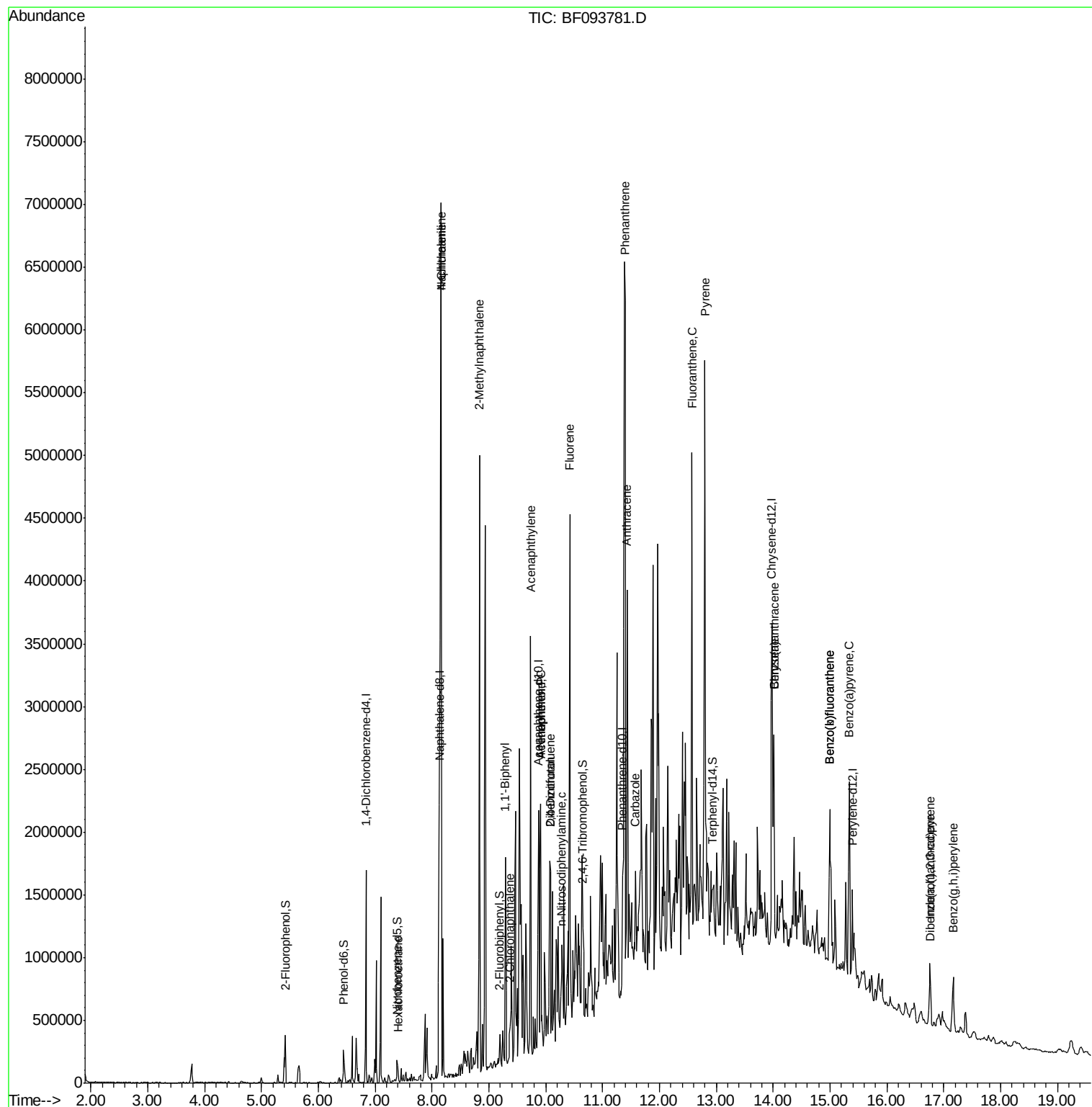
Target Compounds				Qvalue		
18) Hexachloroethane	7.41	117	23716	3.82	ng	# 1
31) Naphthalene	8.16	128	5825817	137.99	ng	97
33) 4-Chloroaniline	8.16	127	849141	46.80	ng	# 35
37) 2-Methylnaphthalene	8.84	142	1582768	57.43	ng	99
45) 1,1'-Biphenyl	9.29	154	504827	15.24	ng	96
46) 2-Chloronaphthalene	9.37	162	82053	3.23	ng	# 50
48) Acenaphthylene	9.74	152	1561743	37.78	ng	98
51) Acenaphthene	9.91	154	528916	21.42	ng	96
54) Dibenzofuran	10.08	168	532734	16.03	ng	# 90
55) 4-Nitrophenol	9.91	139	12459	2.17	ng	86
56) 2,4-Dinitrotoluene	10.08	165	24462	3.03	ng	# 20
57) Fluorene	10.42	166	1534967	60.33	ng	100
65) n-Nitrosodiphenylamine	10.28	169	63198	3.32	ng	90
70) Phenanthrene	11.40	178	4224132	139.09	ng	100
71) Anthracene	11.43	178	1274765	40.77	ng	99
72) Carbazole	11.58	167	302494	9.77	ng	99
74) Fluoranthene	12.57	202	2202102	70.54	ng	96
77) Pyrene	12.80	202	2738377	94.68	ng	99
80) Benzo(a)anthracene	14.01	228	817245	37.54	ng	92
82) Chrysene	14.01	228	810826	37.28	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.76	276	291972	16.39	ng	96
87) Benzo(b)fluoranthene	15.00	252	1019846	42.68	ng	# 95
88) Benzo(k)fluoranthene	15.00	252	1019846	57.80	ng	99
89) Benzo(a)pyrene	15.34	252	748145	38.62	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	88321	5.49	ng	# 87
91) Benzo(g,h,i)perylene	17.17	276	333144	20.86	ng	99

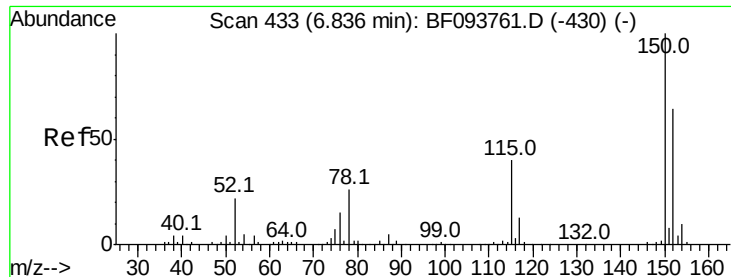
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

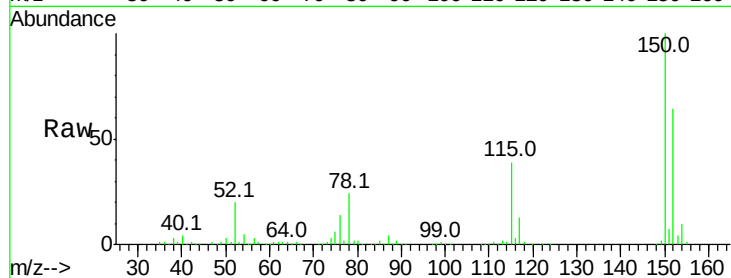
Tot Ion:152 Resp: 240437

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

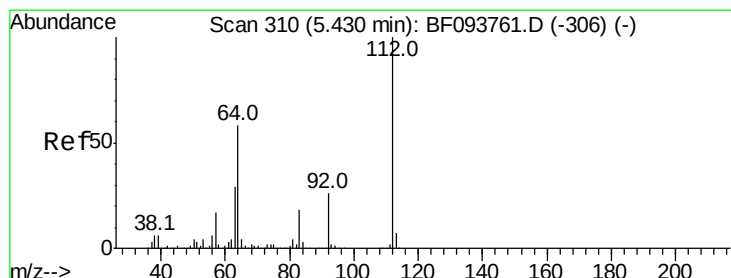
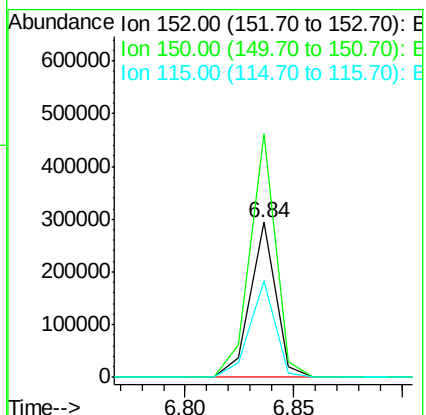
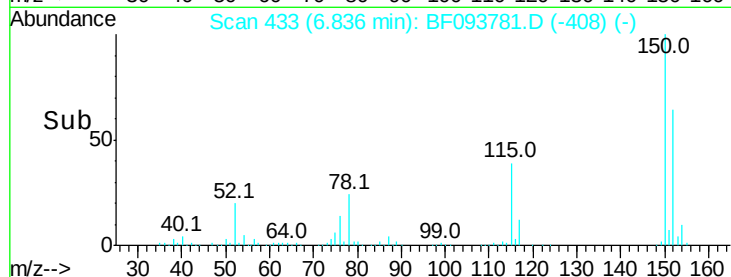
115 61.9 52.2 78.2



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: 5.70 ng

RT: 5.42 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

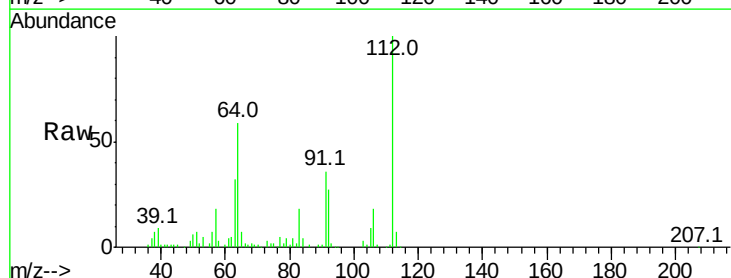
Tgt Ion:112 Resp: 78363

Ion Ratio Lower Upper

112 100

64 59.2 46.0 69.0

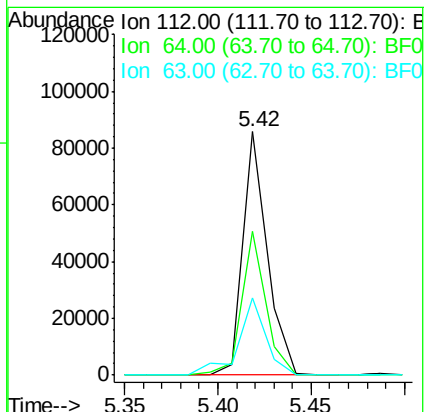
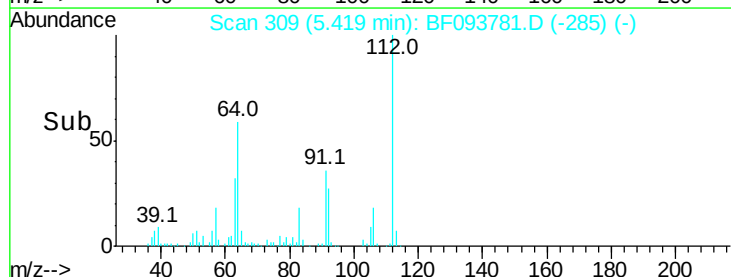
63 31.7 23.4 35.0

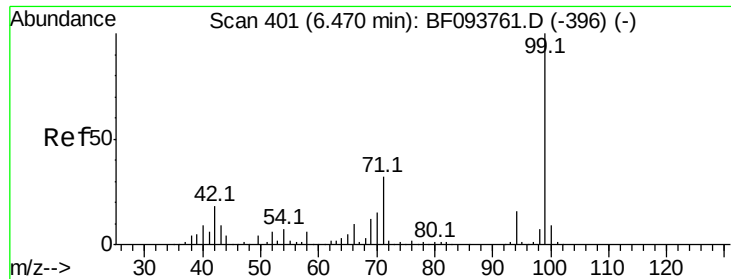


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.69 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampled :

HP-CT-01

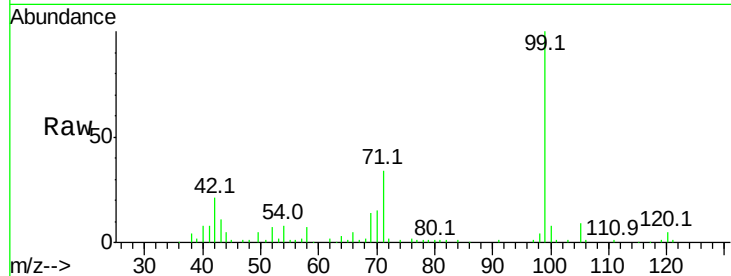
Tot Ion: 99 Resp: 96689

Ion Ratio Lower Upper

99 100

42 20.7 13.5 20.3#

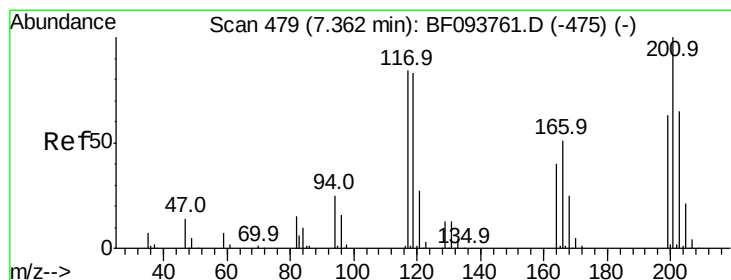
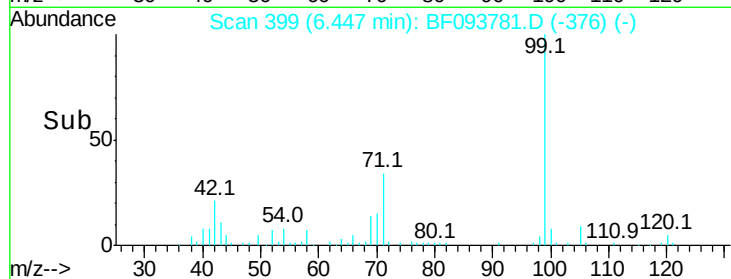
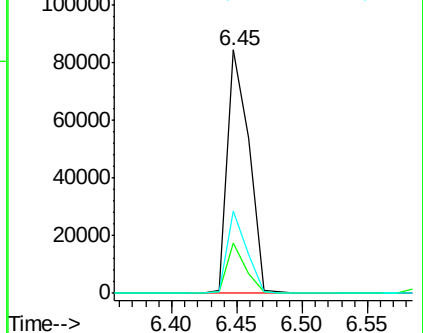
71 33.7 24.5 36.7



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



#18

Hexachloroethane

Concen: 3.82 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.03 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

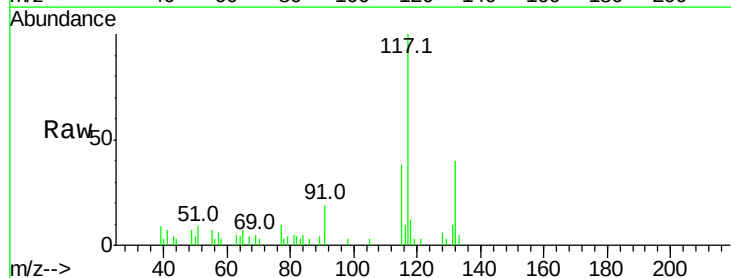
Tgt Ion: 117 Resp: 23716

Ion Ratio Lower Upper

117 100

119 2.7 77.4 116.0#

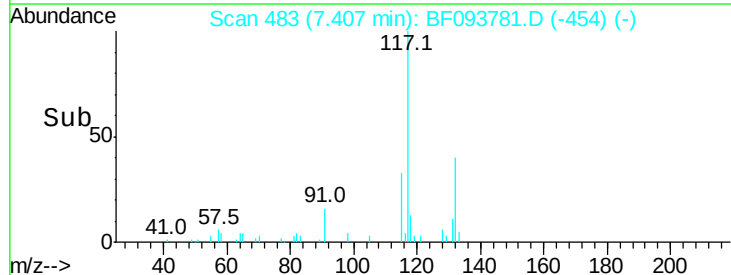
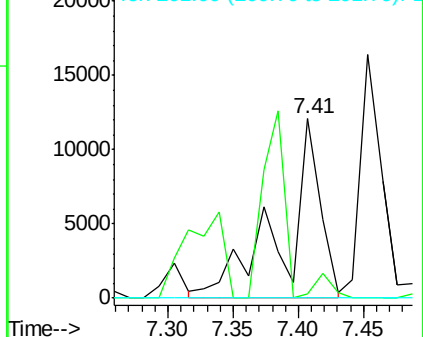
201 0.0 94.6 141.8#

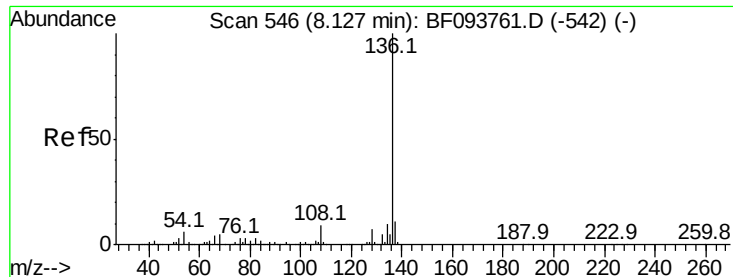


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

Tot Ion:136 Resp: 909567

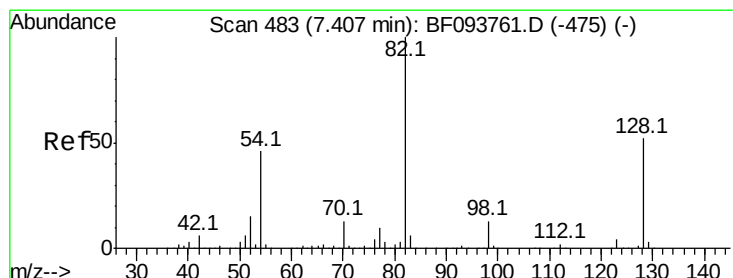
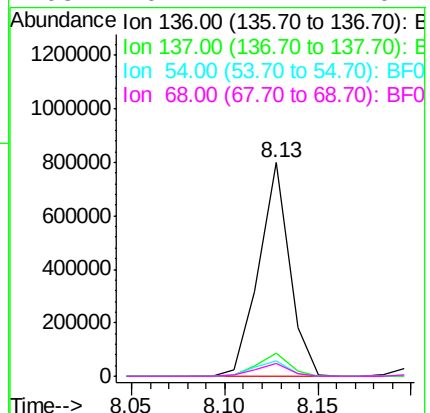
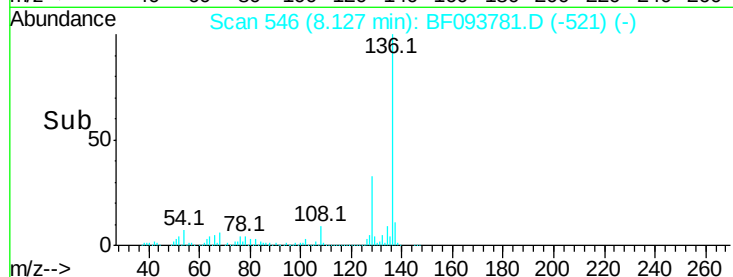
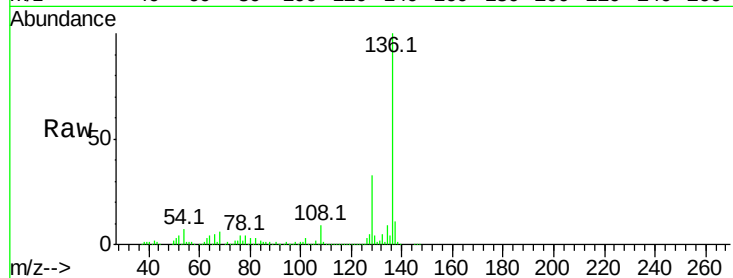
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.5 4.9 7.3#

68 6.2 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 3.14 ng

RT: 7.38 min Scan# 481

Delta R.T. -0.02 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

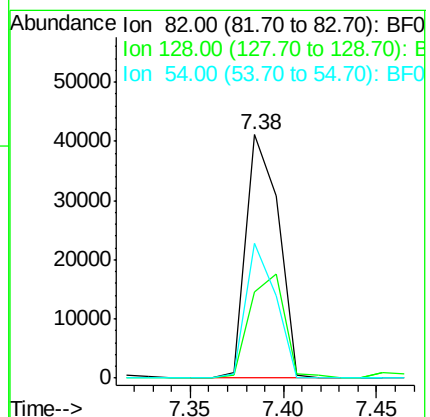
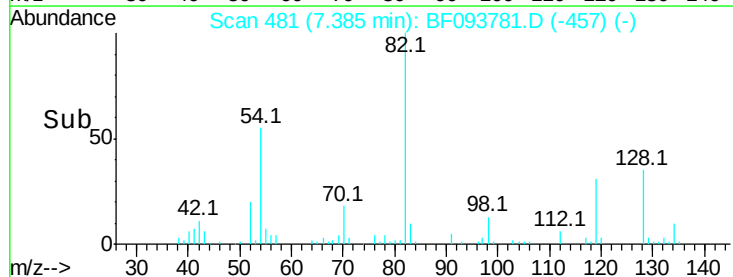
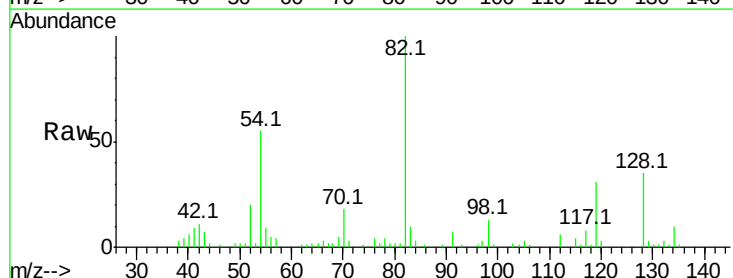
Tgt Ion: 82 Resp: 50340

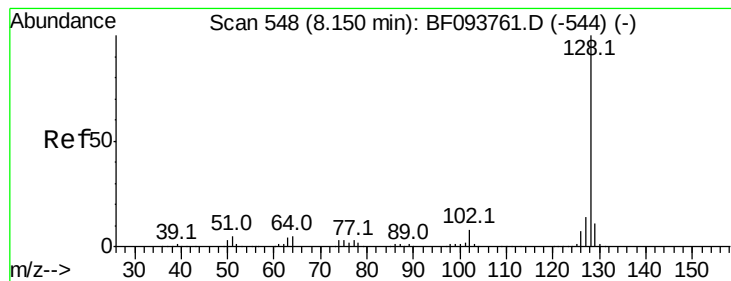
Ion Ratio Lower Upper

82 100

128 35.2 34.0 51.0

54 55.4 42.2 63.2





#31

Naphthalene

Concen: 137.99 ng

RT: 8.16 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

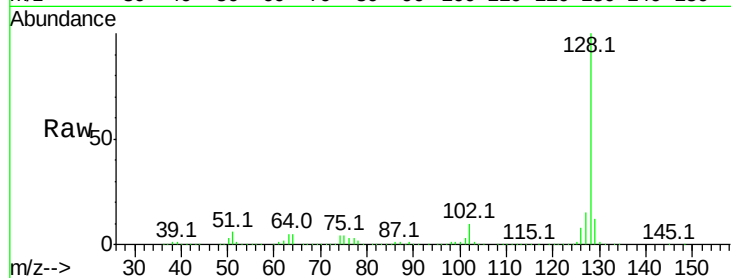
BNA_F

ClientSampleId :

HP-CT-01

Tot Ion:128 Resp: 5825817

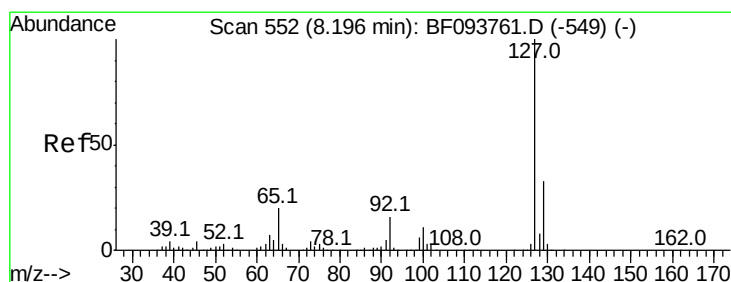
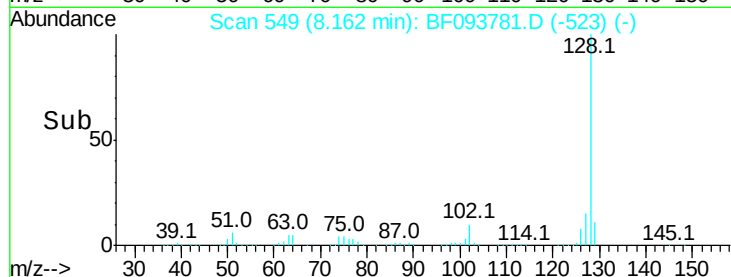
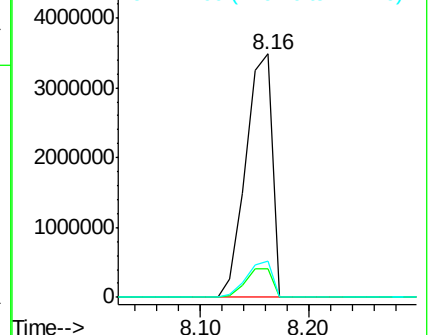
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	15.0	10.8	16.2



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: 46.80 ng

RT: 8.16 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Tgt Ion:127 Resp: 849141

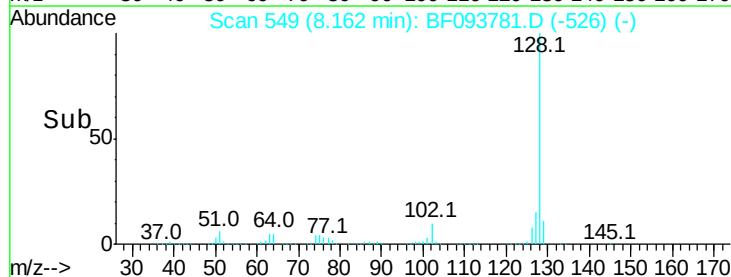
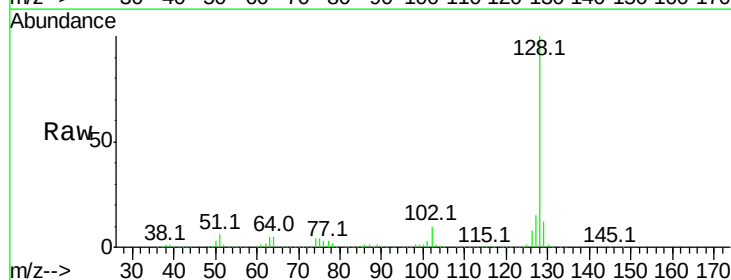
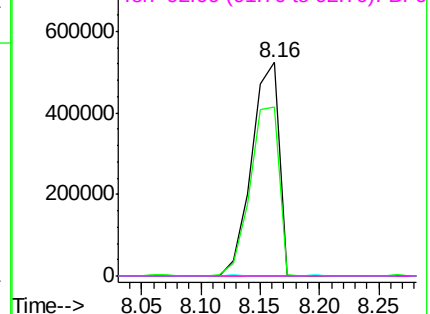
Ion	Ratio	Lower	Upper
127	100		
129	79.2	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

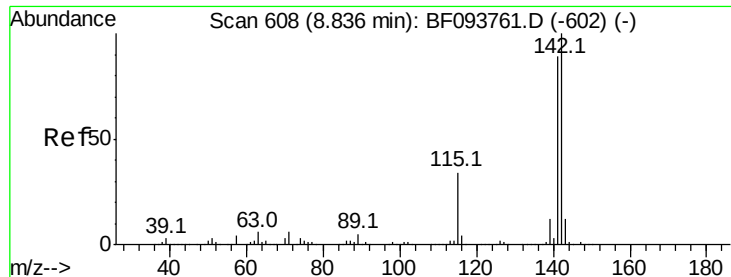
Abundance Ion 127.00 (126.70 to 127.70): E

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

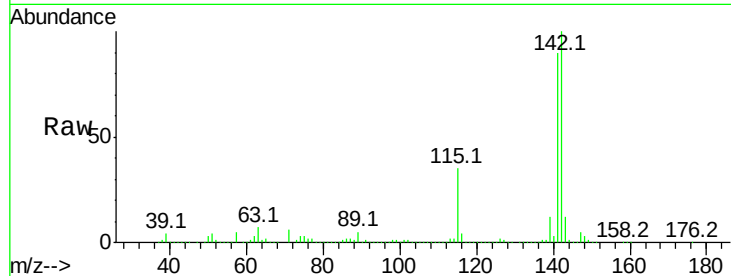




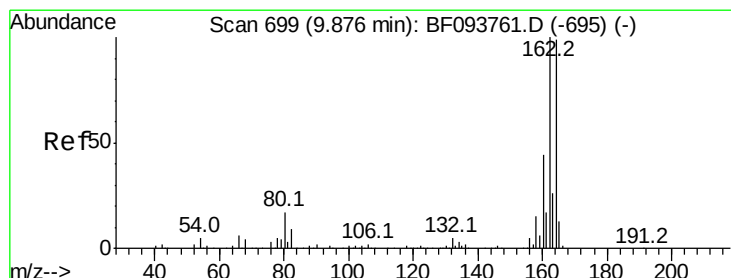
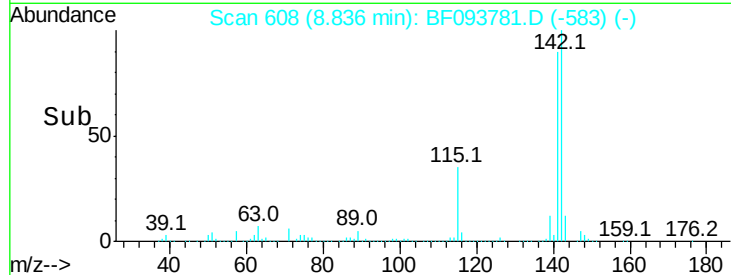
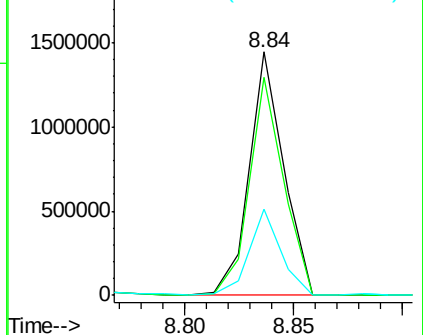
#37
 2-Methylnaphthalene
 Concen: 57.43 ng
 RT: 8.84 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-01

Tot Ion:142 Resp: 1582768
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.3 106.9
 115 35.4 27.1 40.7

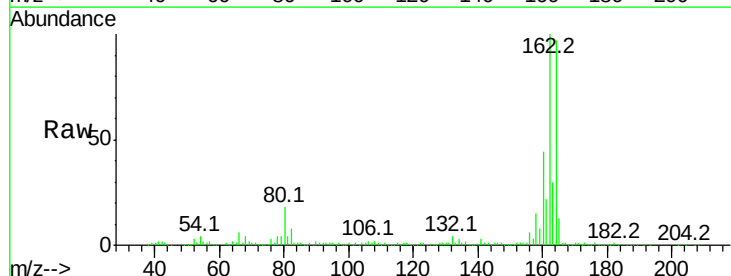


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

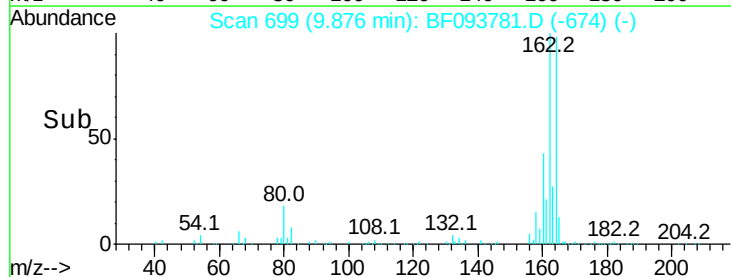
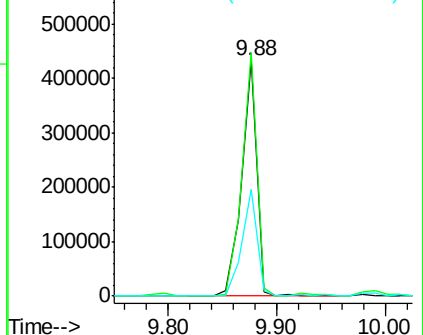


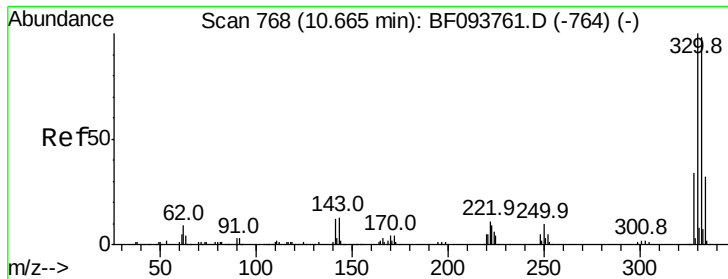
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

Tgt Ion:164 Resp: 407589
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 45.1 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

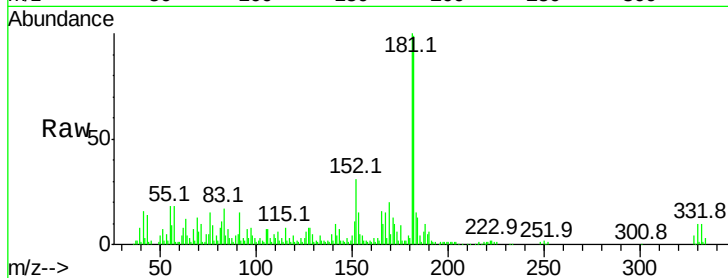




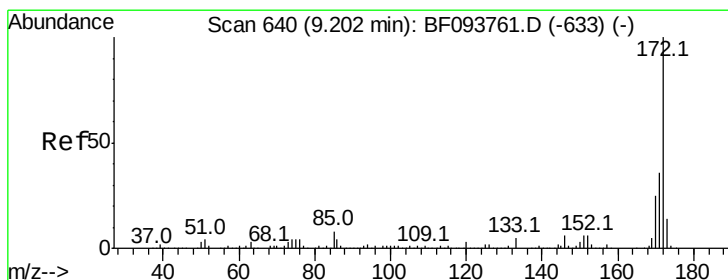
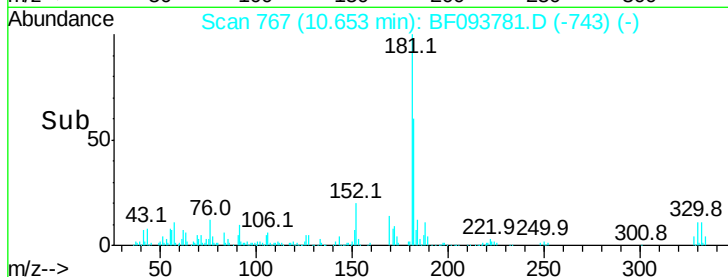
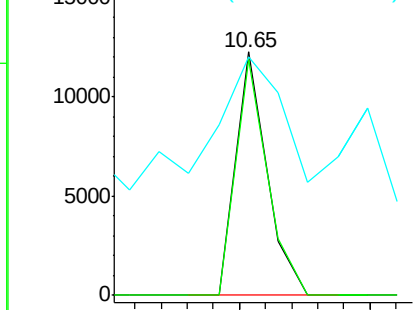
#41
 2,4,6-Tribromophenol
 Concen: 3.26 ng
 RT: 10.65 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-01

Tot Ion:330 Resp: 10285
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 115.0
 141 130.6 31.4 47.2#

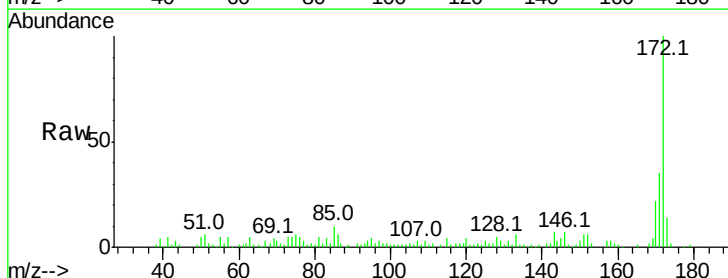


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

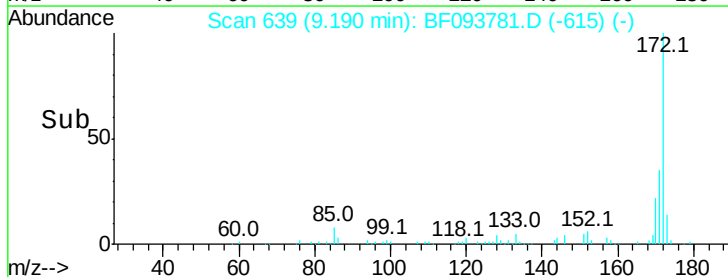
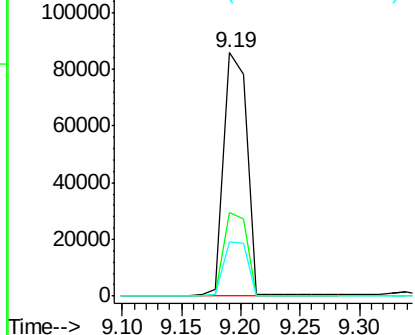


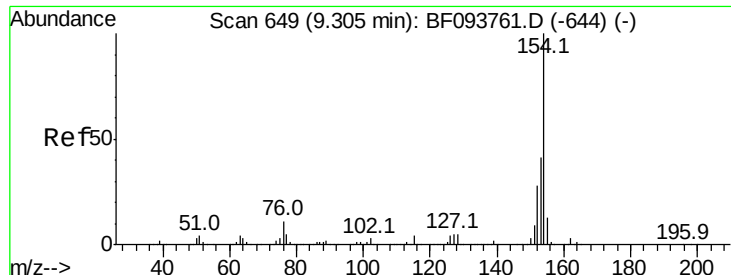
#44
 2-Fluorobiphenyl
 Concen: 4.84 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

Tgt Ion:172 Resp: 117243
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.6 44.4
 170 22.1 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: 15.24 ng

RT: 9.29 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

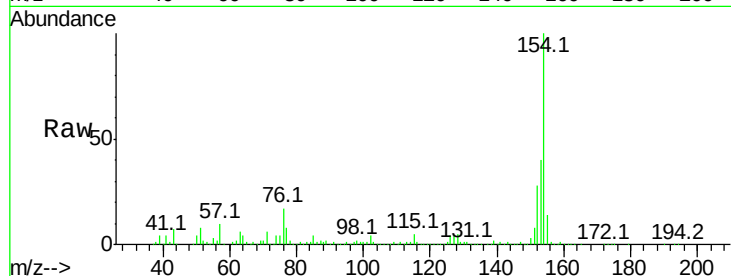
Tot Ion:154 Resp: 504827

Ion Ratio Lower Upper

154 100

153 40.4 21.2 61.2

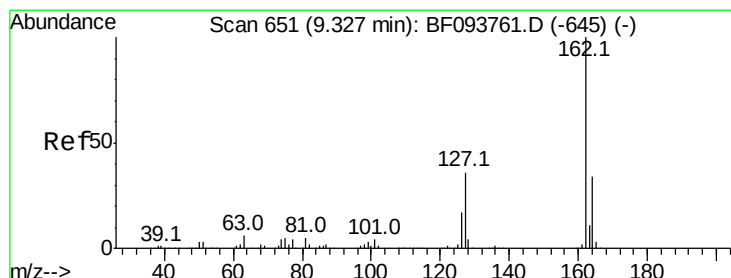
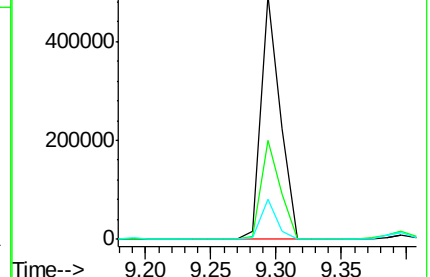
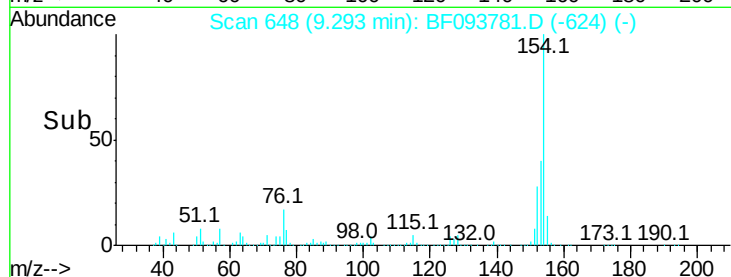
76 16.6 0.0 29.9



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



#46

2-Chloronaphthalene

Concen: 3.23 ng

RT: 9.37 min Scan# 655

Delta R.T. 0.03 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

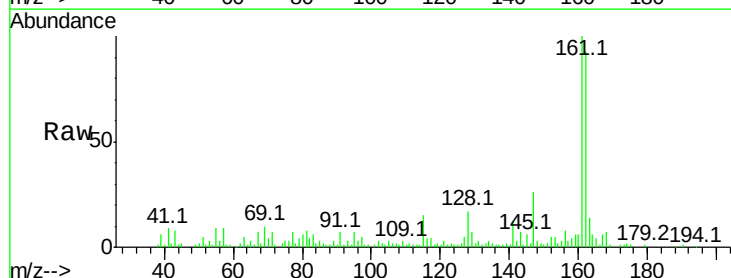
Tgt Ion:162 Resp: 82053

Ion Ratio Lower Upper

162 100

127 5.4 28.3 42.5#

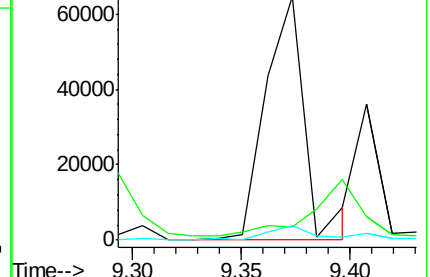
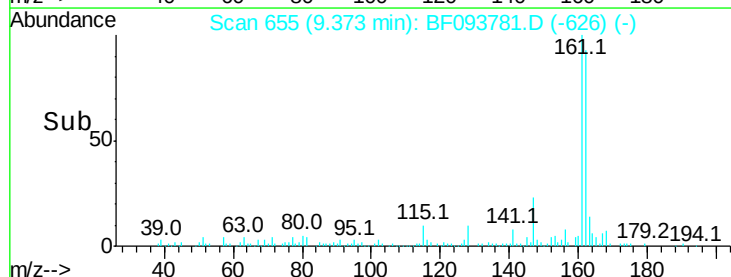
164 6.0 27.0 40.4#

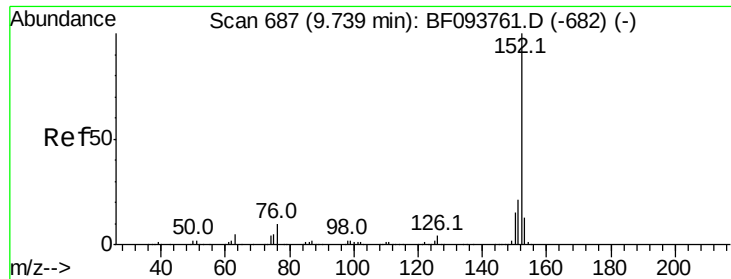


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 37.78 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

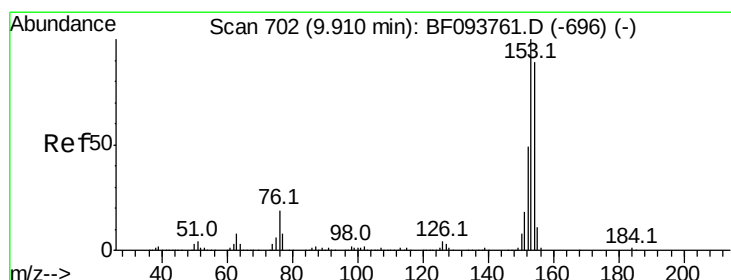
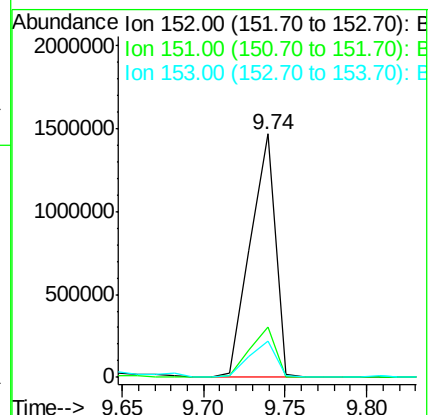
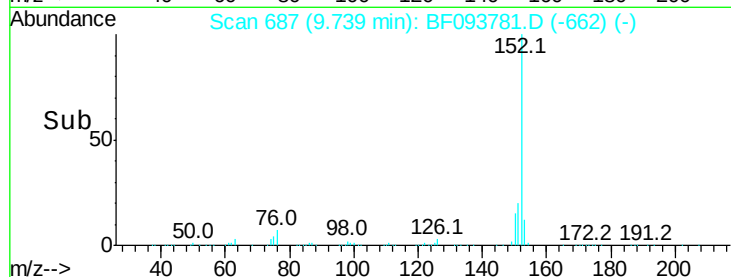
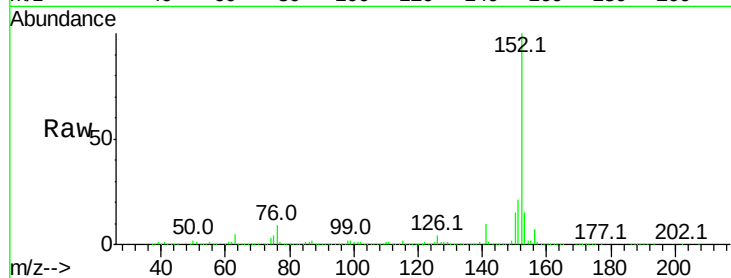
Tot Ion:152 Resp: 1561743

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

153 14.7 10.8 16.2



#51

Acenaphthene

Concen: 21.42 ng

RT: 9.91 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

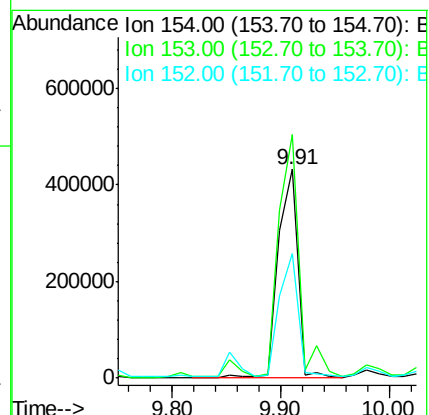
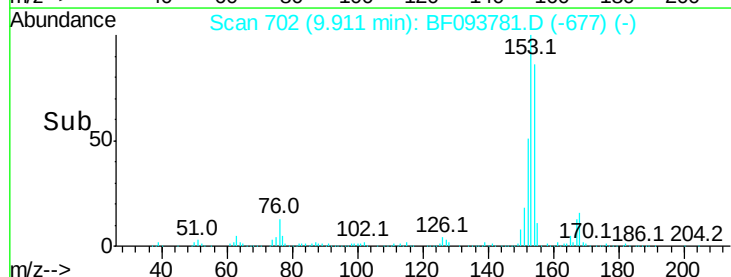
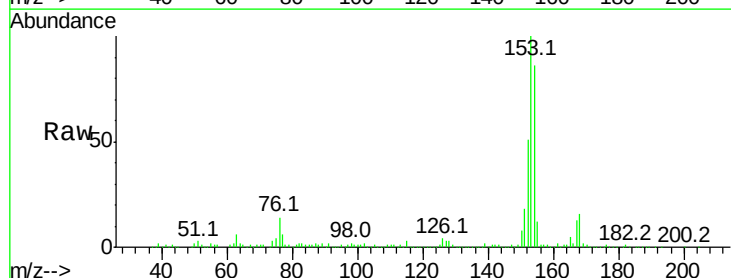
Tgt Ion:154 Resp: 528916

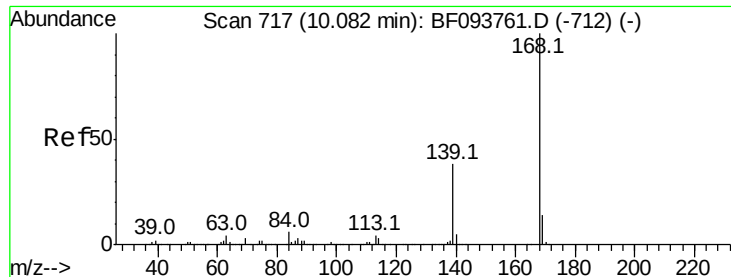
Ion Ratio Lower Upper

154 100

153 116.6 90.5 135.7

152 59.5 43.6 65.4

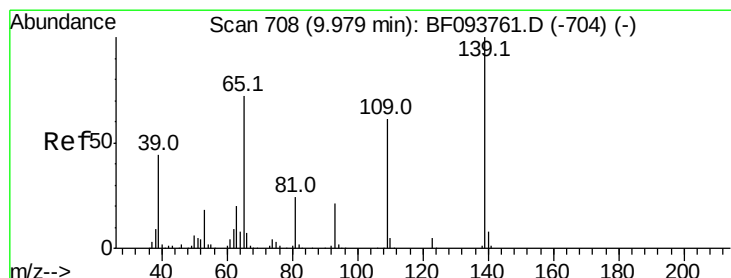
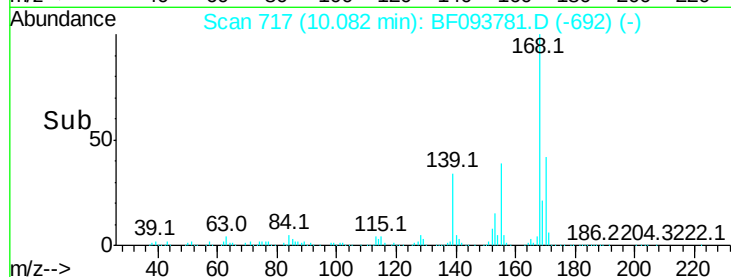
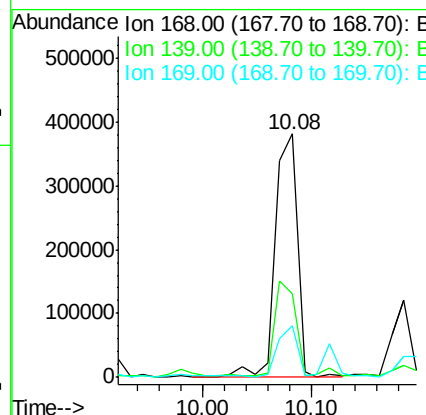
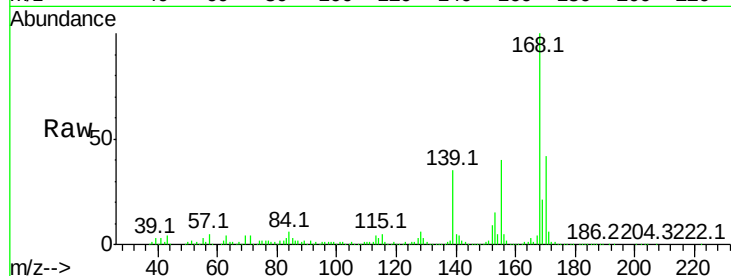




#54
Dibenzofuran
Concen: 16.03 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

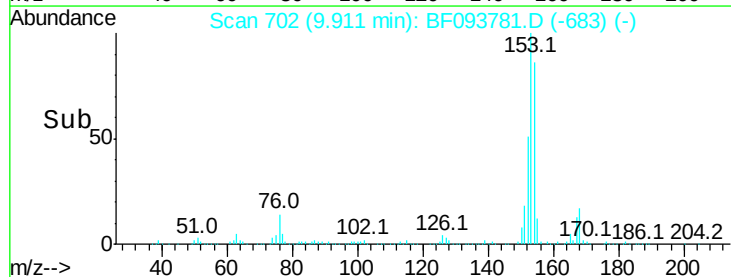
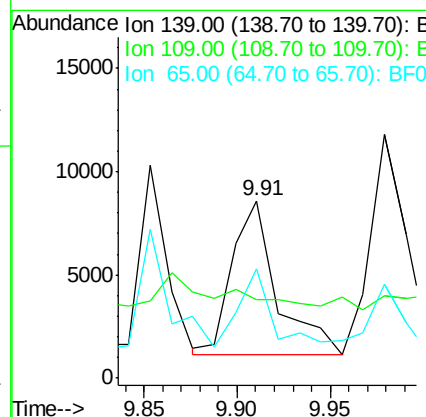
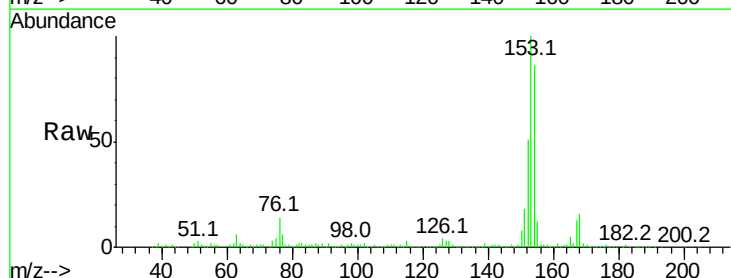
Instrument :
BNA_F
ClientSampleId :
HP-CT-01

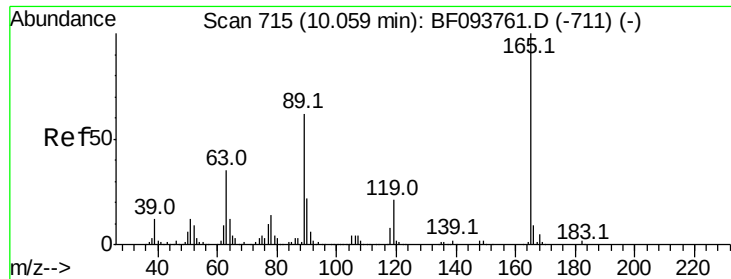
Tot Ion:168 Resp: 532734
Ion Ratio Lower Upper
168 100
139 34.6 30.6 45.8
169 21.5 10.8 16.2#



#55
4-Nitrophenol
Concen: 2.17 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.08 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:139 Resp: 12459
Ion Ratio Lower Upper
139 100
109 44.1 34.1 74.1
65 61.4 31.4 71.4

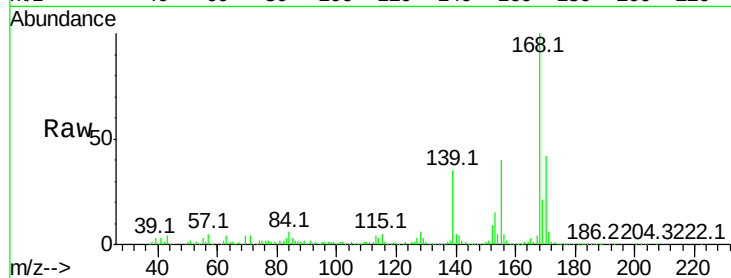




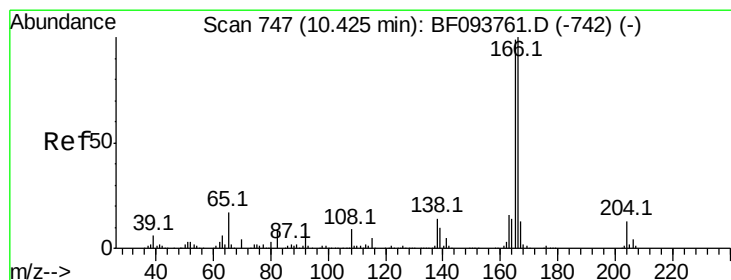
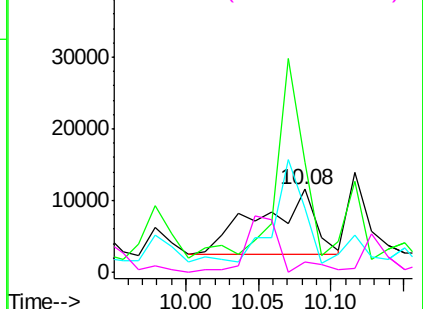
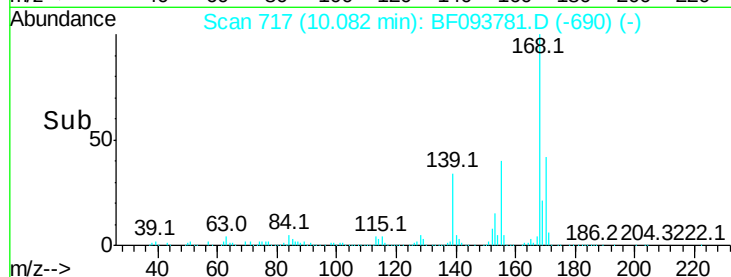
#56
2,4-Dinitrotoluene
Concen: 3.03 ng
RT: 10.08 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tot Ion:165 Resp: 24462
Ion Ratio Lower Upper
165 100
63 133.0 25.4 38.0#
89 77.4 46.4 69.6#
182 12.5 1.8 2.6#

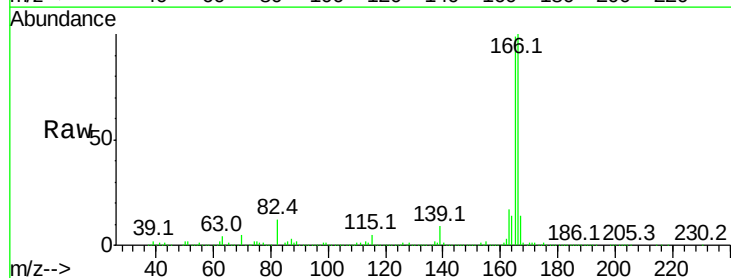


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

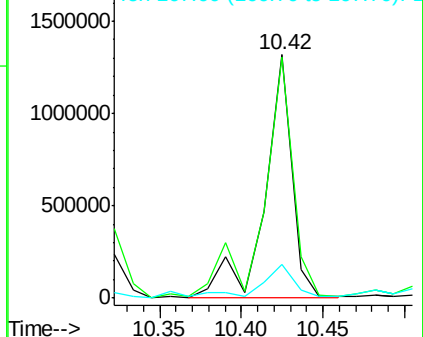
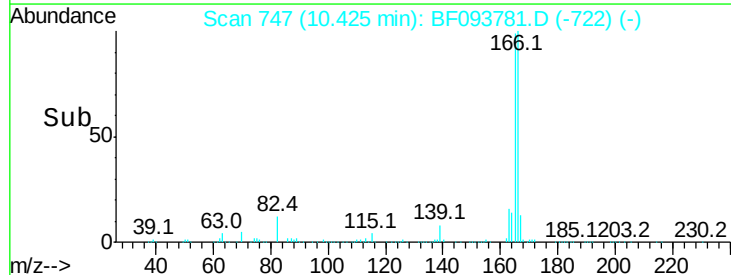


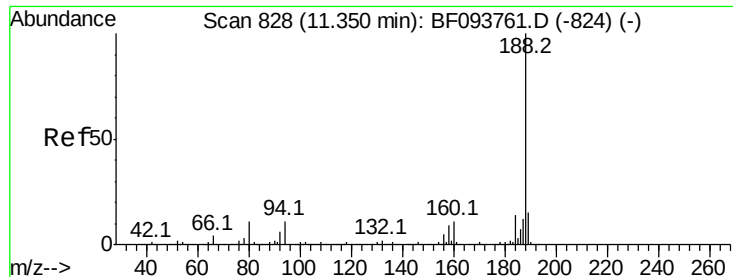
#57
Fluorene
Concen: 60.33 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:166 Resp: 1534967
Ion Ratio Lower Upper
166 100
165 98.8 78.8 118.2
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

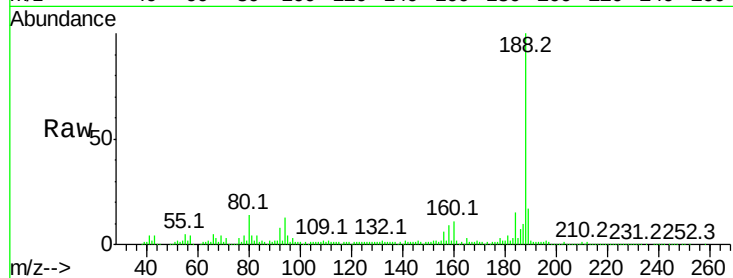
Tot Ion:188 Resp: 570244

Ion Ratio Lower Upper

188 100

94 13.3 9.4 14.2

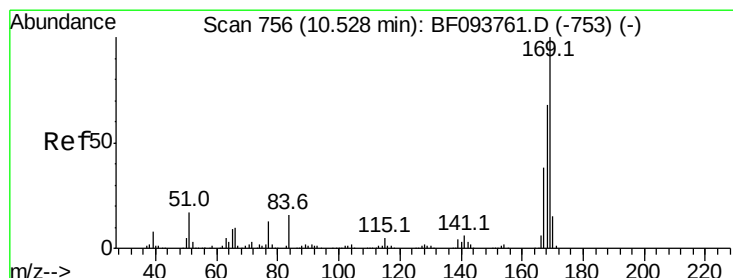
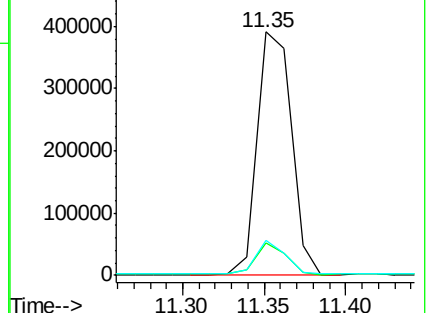
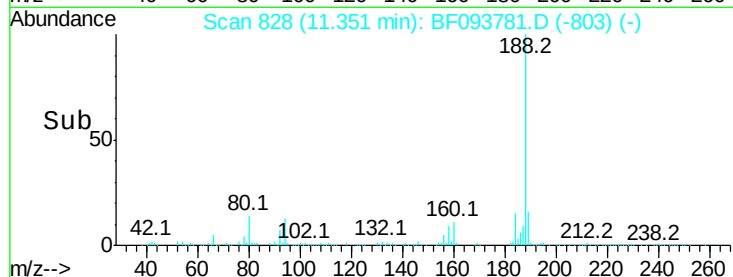
80 14.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 3.32 ng

RT: 10.28 min Scan# 734

Delta R.T. -0.26 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

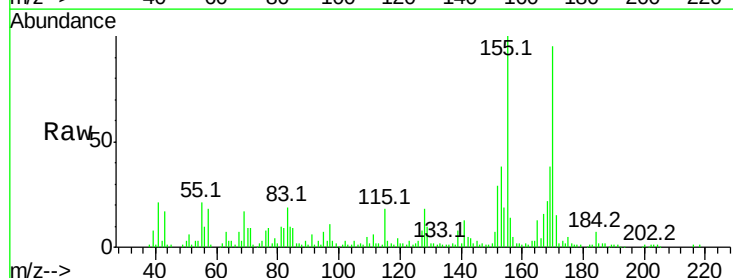
Tgt Ion:169 Resp: 63198

Ion Ratio Lower Upper

169 100

168 57.1 53.2 79.8

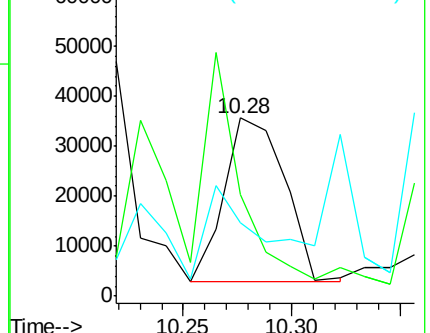
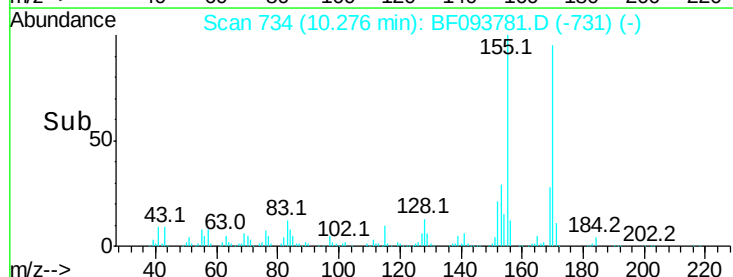
167 41.1 29.5 44.3

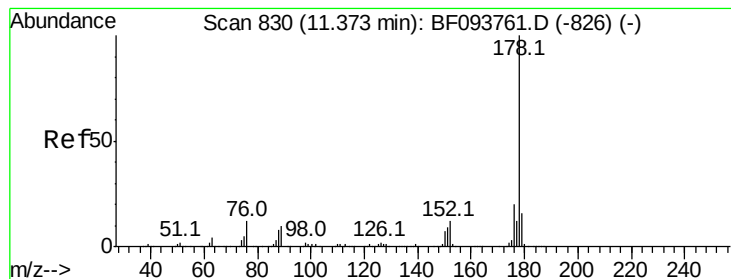


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 139.09 ng

RT: 11.40 min Scan# 832

Delta R.T. 0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

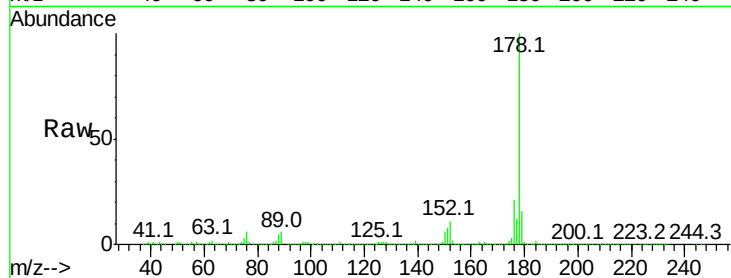
Tot Ion:178 Resp: 4224132

Ion Ratio Lower Upper

178 100

176 20.5 16.2 24.4

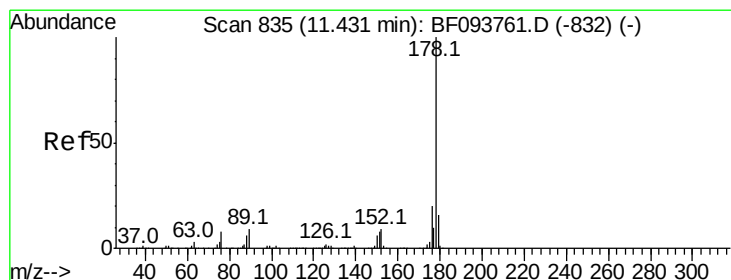
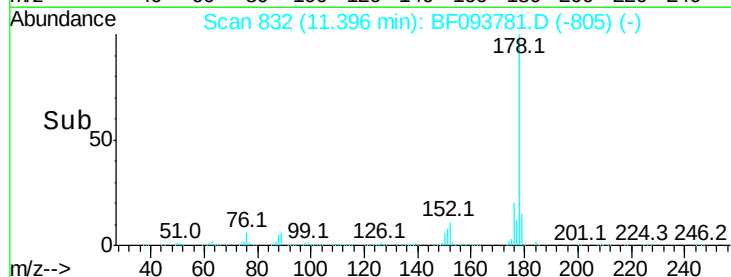
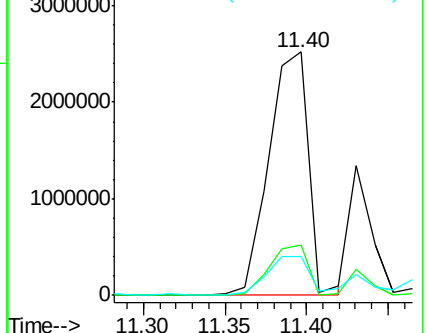
179 16.0 12.6 19.0



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: 40.77 ng

RT: 11.43 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

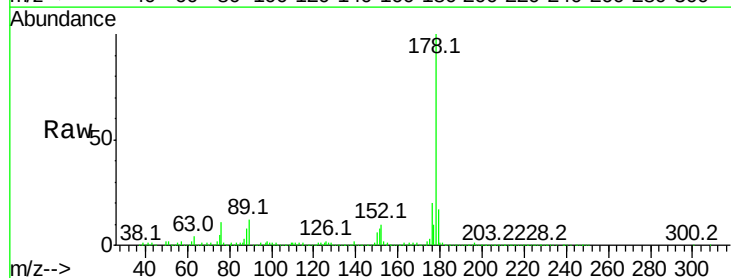
Tgt Ion:178 Resp: 1274765

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

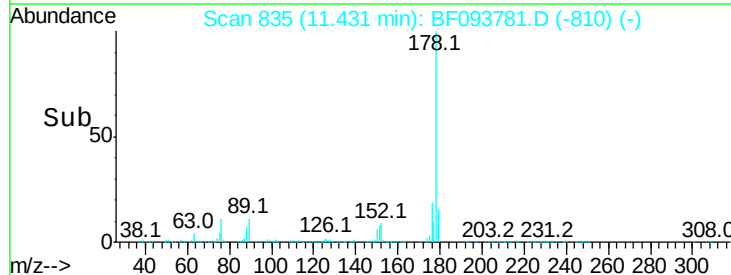
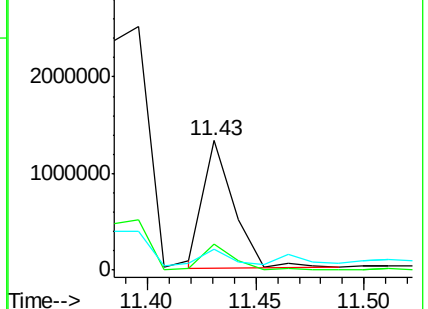
179 16.5 12.7 19.1

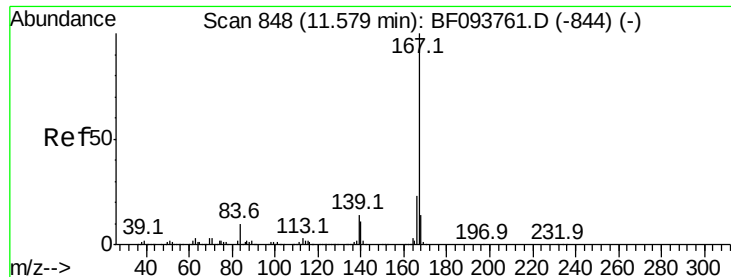


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 9.77 ng

RT: 11.58 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

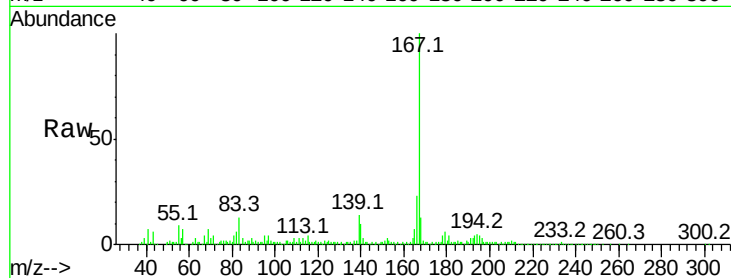
Tot Ion:167 Resp: 302494

Ion Ratio Lower Upper

167 100

166 22.6 18.1 27.1

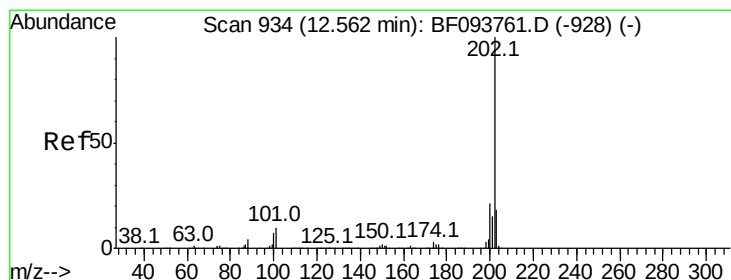
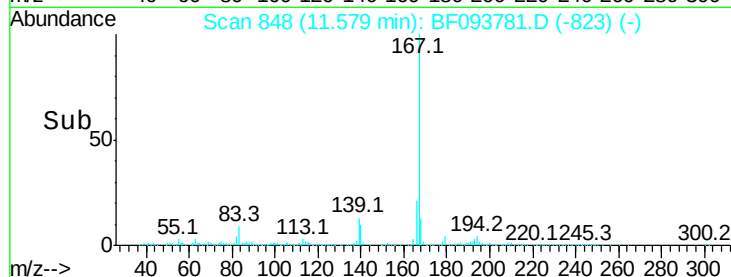
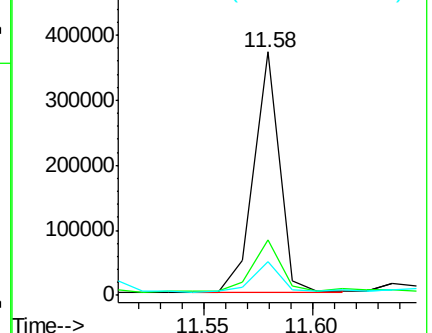
139 13.7 11.7 17.5



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: 70.54 ng

RT: 12.57 min Scan# 935

Delta R.T. 0.00 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

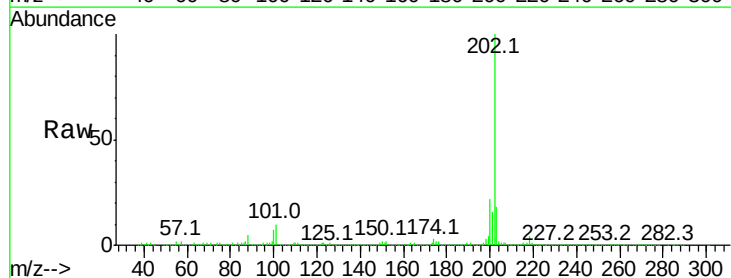
Tgt Ion:202 Resp: 2202102

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.2

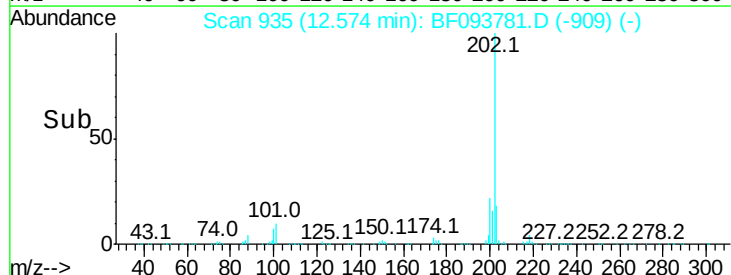
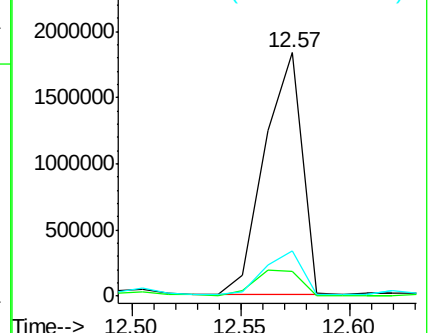
203 18.4 0.0 38.1

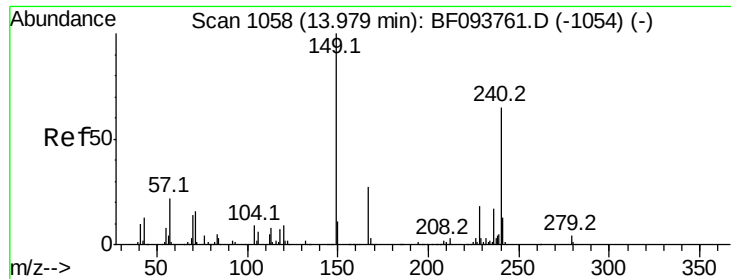


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

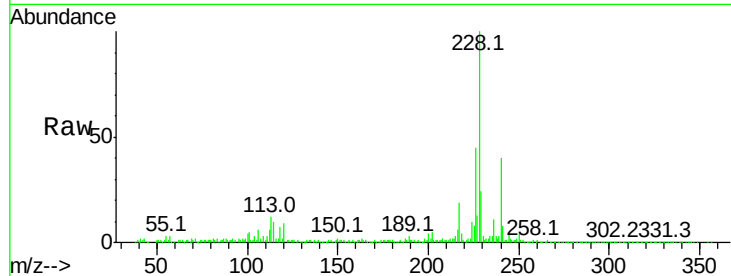
Tot Ion:240 Resp: 347530

Ion Ratio Lower Upper

240 100

120 21.5 5.8 8.8#

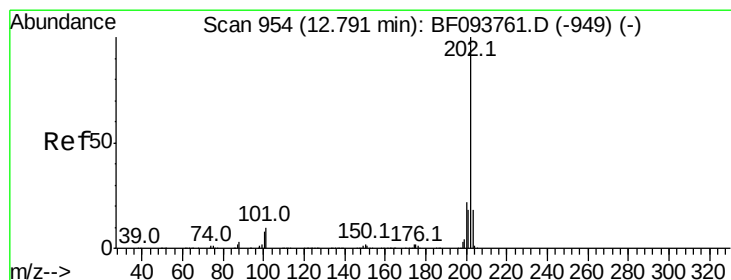
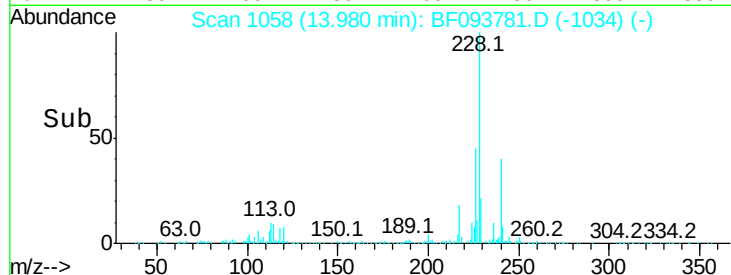
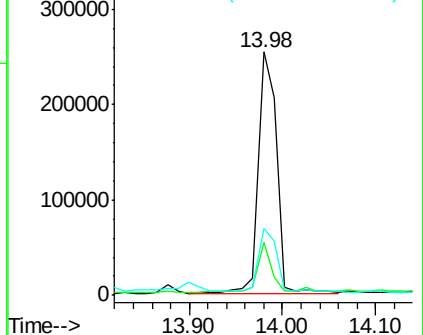
236 27.4 20.5 30.7



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: 94.68 ng

RT: 12.80 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

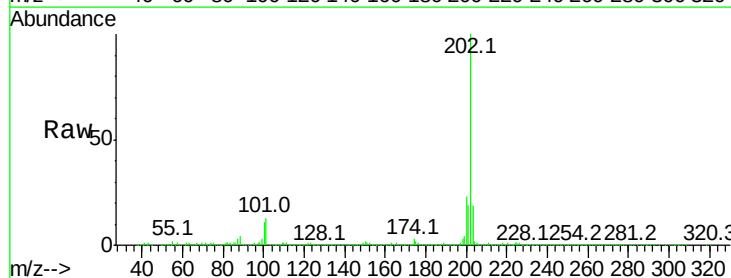
Tgt Ion:202 Resp: 2738377

Ion Ratio Lower Upper

202 100

200 22.7 17.6 26.4

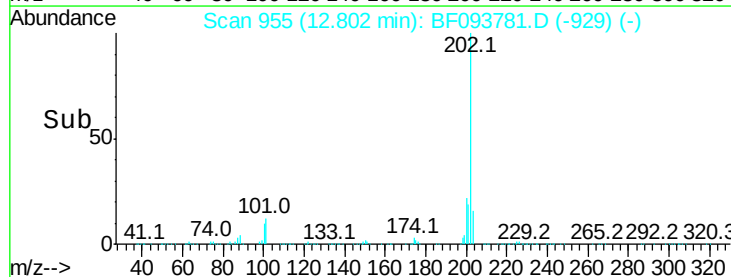
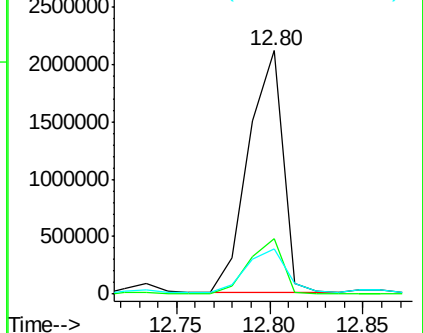
203 18.6 14.4 21.6

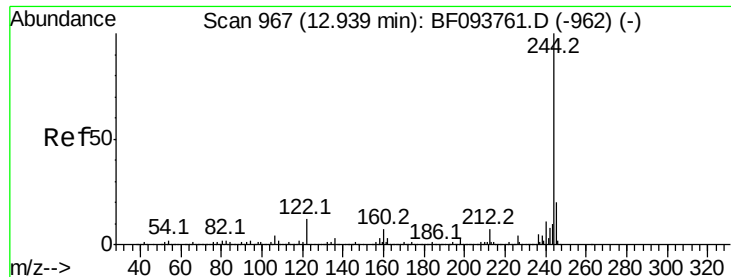


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

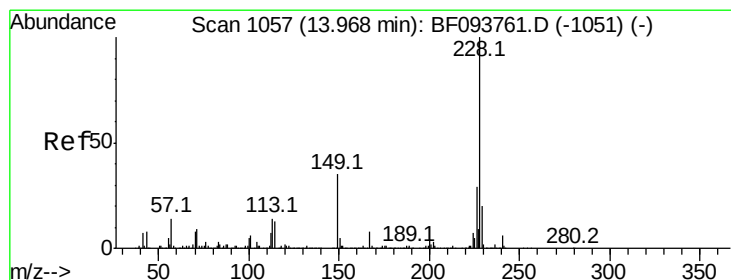
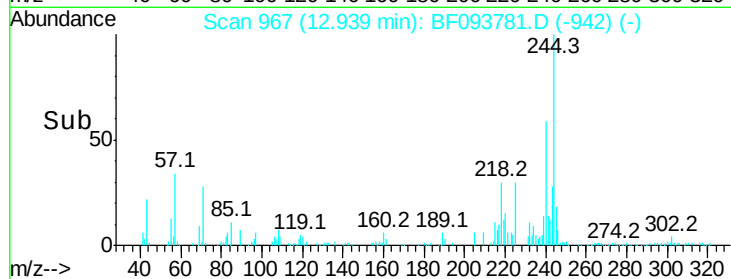
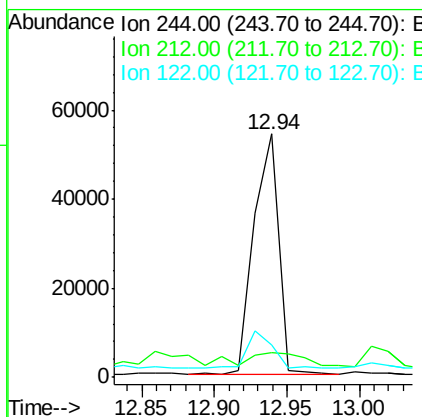
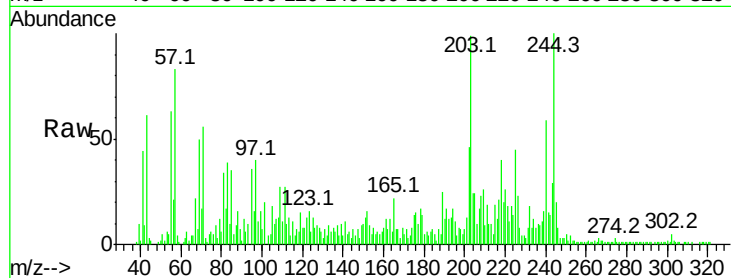




#78
 Terphenyl-d14
 Concen: 3.77 ng
 RT: 12.94 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

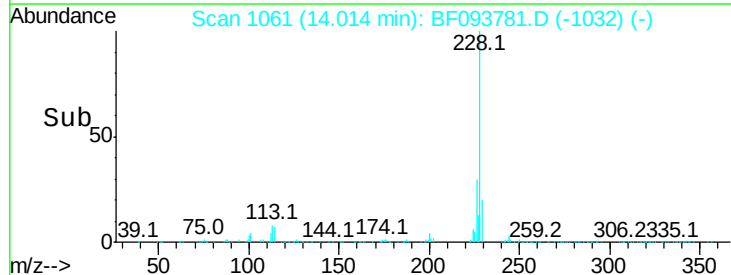
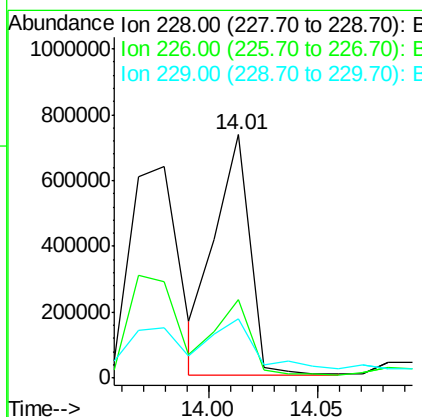
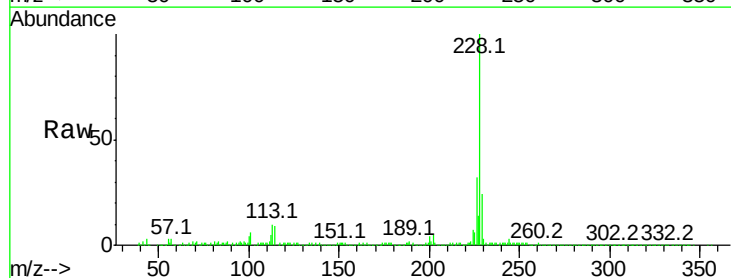
Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-01

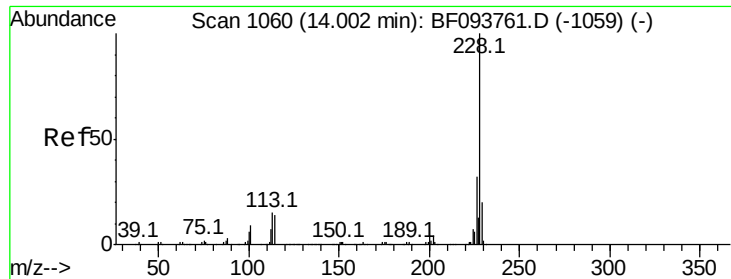
Tot Ion:244 Resp: 64277
 Ion Ratio Lower Upper
 244 100
 212 10.4 6.0 9.0#
 122 13.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 37.54 ng
 RT: 14.01 min Scan# 1061
 Delta R.T. 0.03 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

Tgt Ion:228 Resp: 817245
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.6 33.8
 229 24.2 16.3 24.5

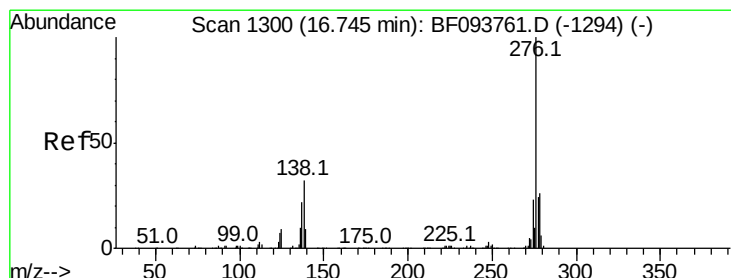
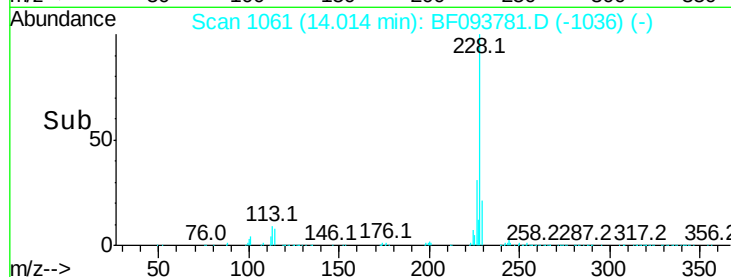
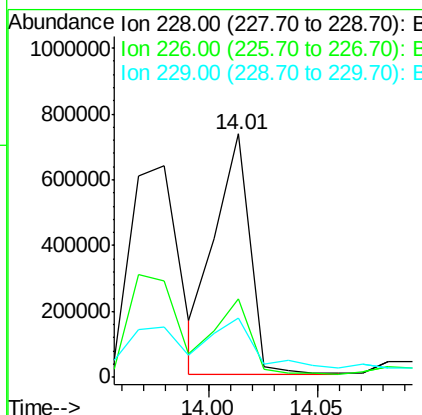
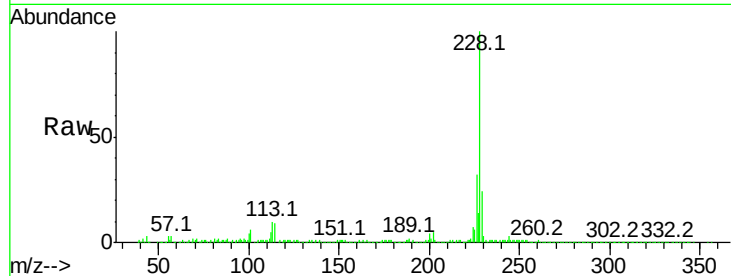




#82
 Chrysene
 Concen: 37.28 ng
 RT: 14.01 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

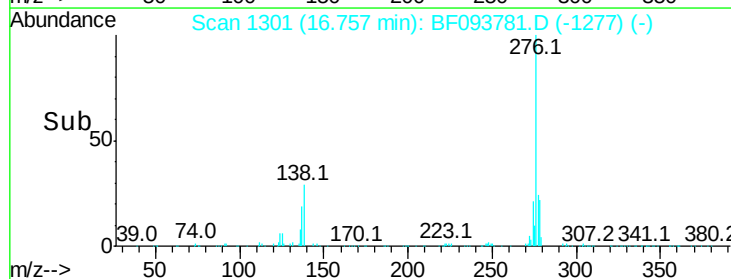
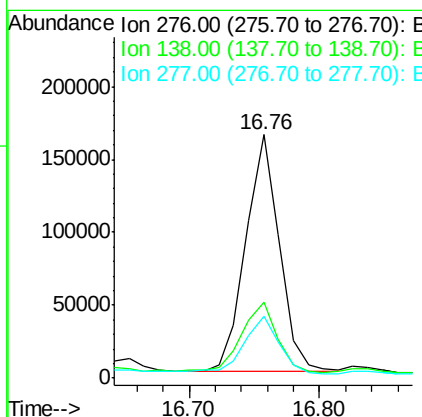
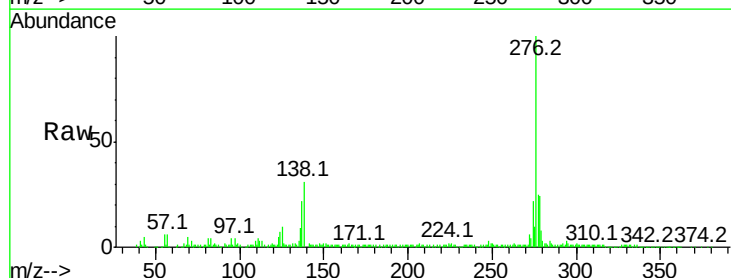
Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-01

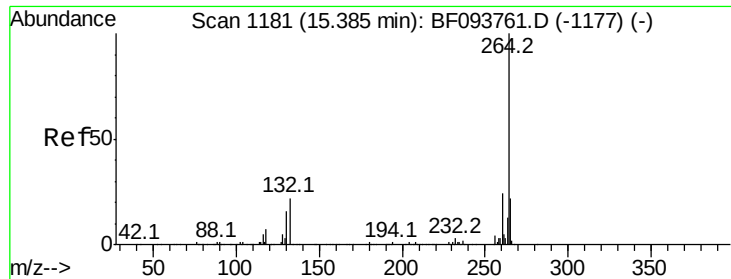
Tot Ion:228	Resp:	810826
Ion Ratio	Lower	Upper
228	100	
226	32.1	24.9 37.3
229	24.2	15.8 23.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.39 ng
 RT: 16.76 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF093781.D
 Acq: 20 Mar 2017 23:05

Tgt Ion:276	Resp:	291972
Ion Ratio	Lower	Upper
276	100	
138	31.5	27.8 41.6
277	25.9	20.2 30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

Instrument :

BNA_F

ClientSampleId :

HP-CT-01

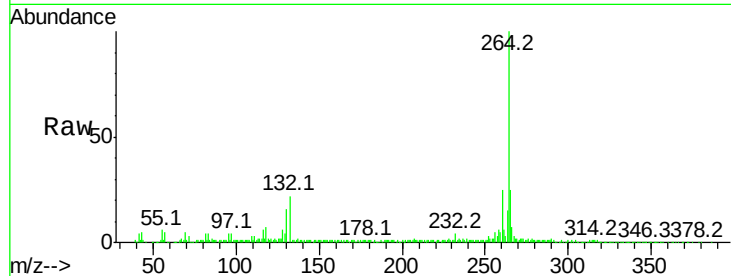
Tot Ion:264 Resp: 354420

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

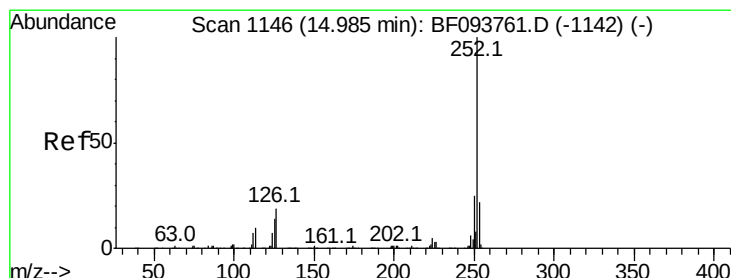
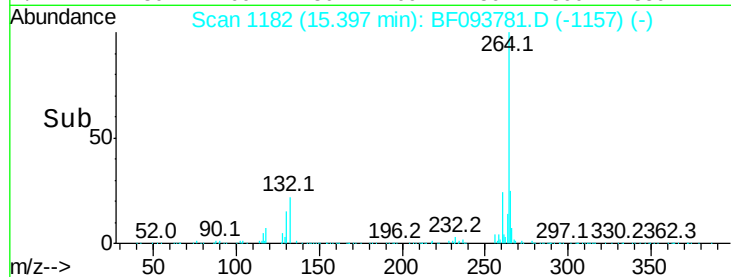
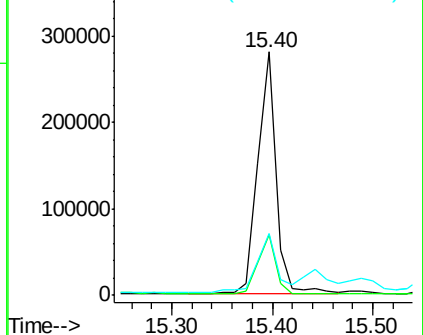
265 25.5 17.2 25.8



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: 42.68 ng

RT: 15.00 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF093781.D

Acq: 20 Mar 2017 23:05

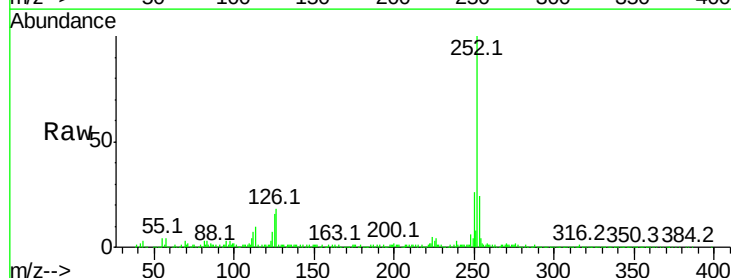
Tgt Ion:252 Resp: 1019846

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

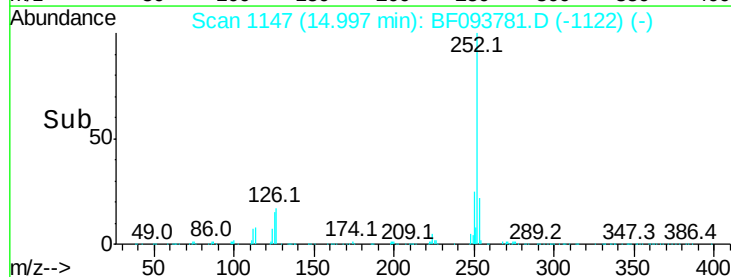
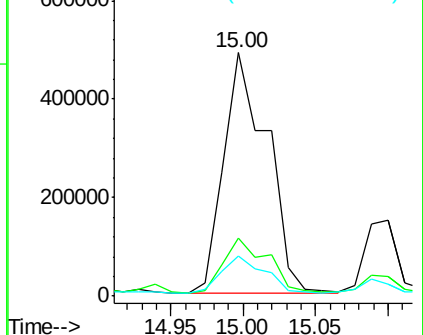
125 16.3 9.8 14.8#

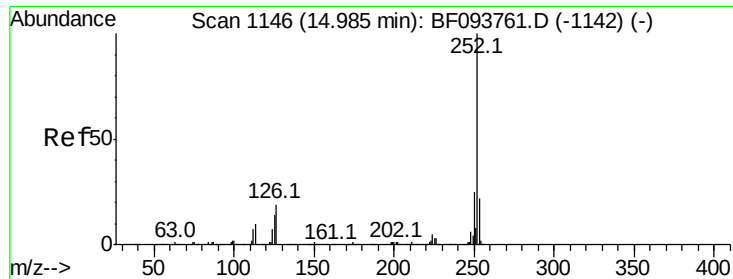


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

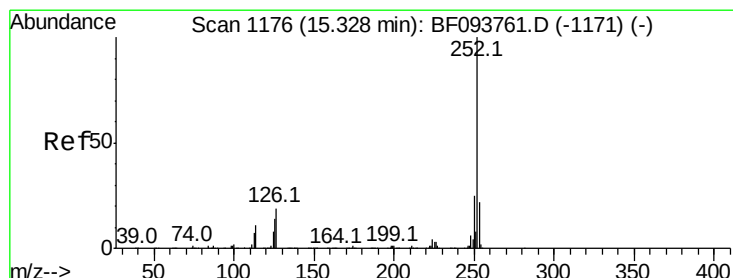
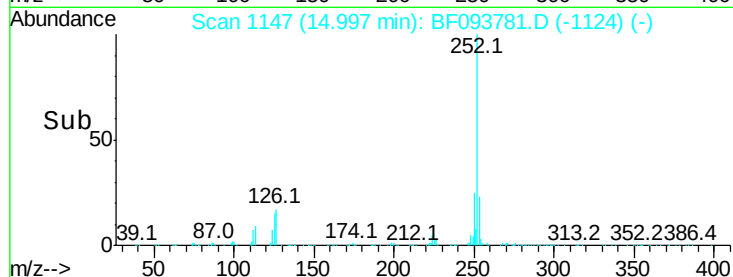
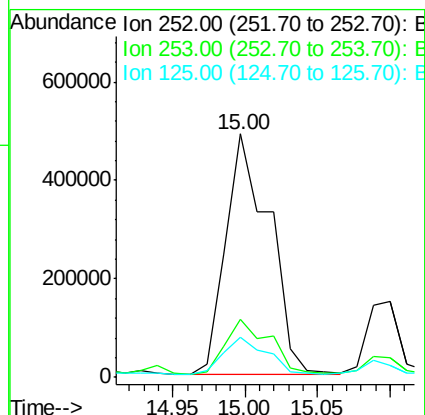
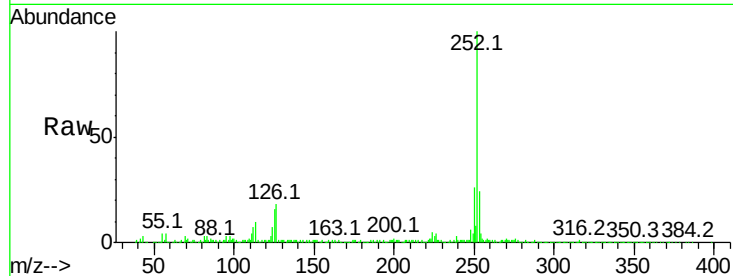




#88
Benzo(k)fluoranthene
Concen: 57.80 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

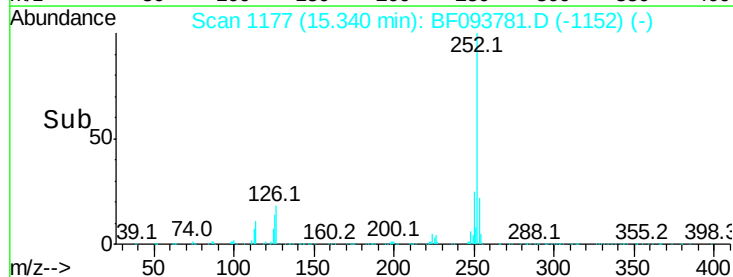
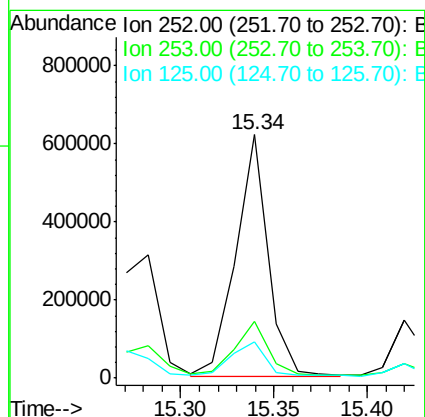
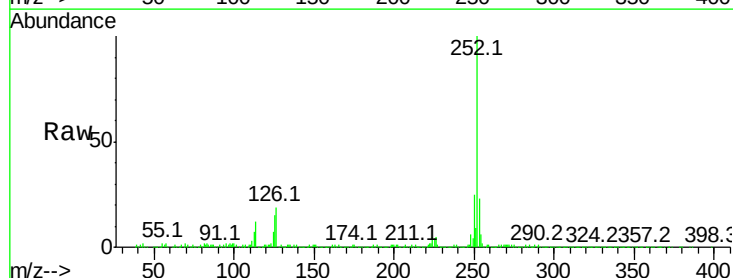
Instrument :
BNA_F
ClientSampleId :
HP-CT-01

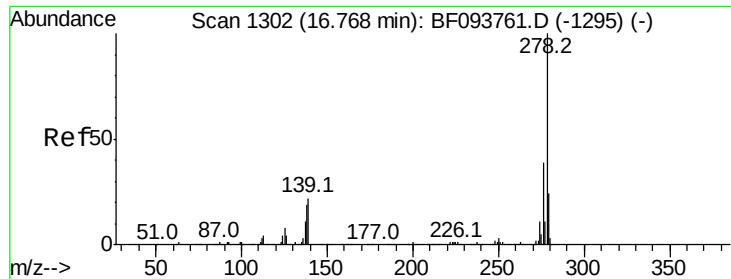
Tot Ion:252 Resp: 1019846
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 16.3 13.1 19.7



#89
Benzo(a)pyrene
Concen: 38.62 ng
RT: 15.34 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:252 Resp: 748145
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 14.9 11.0 16.4

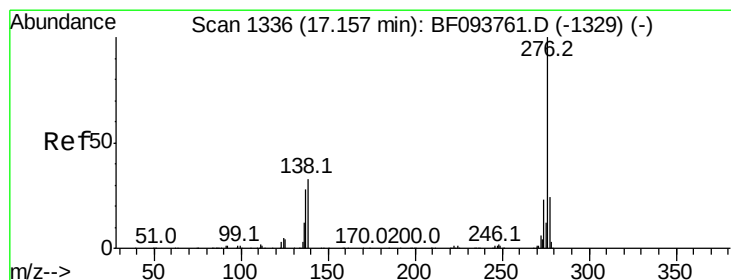
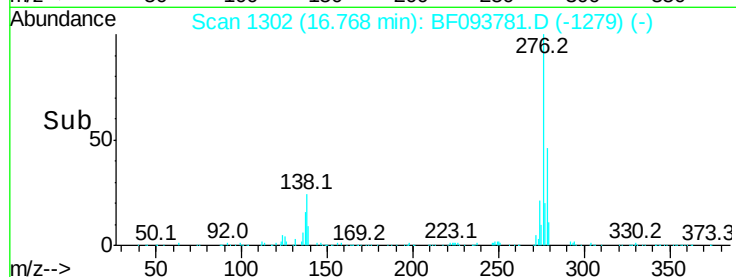
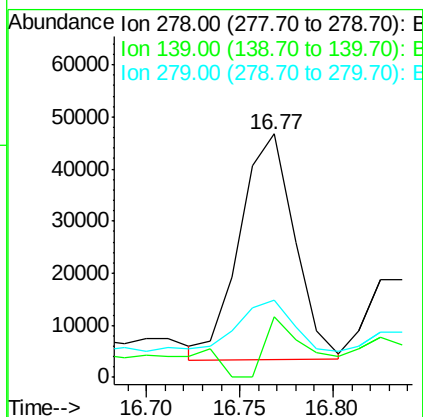
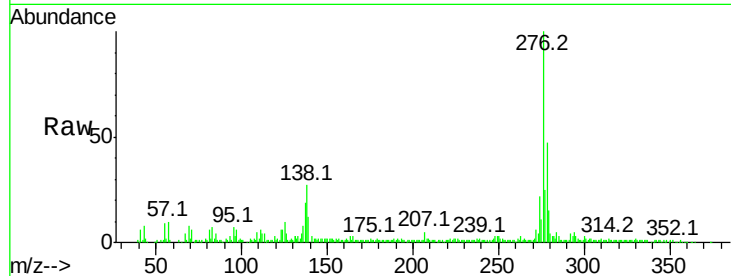




#90
Dibenzo(a,h)anthracene
Concen: 5.49 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tot Ion:278 Resp: 88321
Ion Ratio Lower Upper
278 100
139 25.0 16.6 24.8#
279 31.7 19.3 28.9#



#91
Benzo(g,h,i)perylene
Concen: 20.86 ng
RT: 17.17 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:276 Resp: 333144
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 31.3 25.4 38.0

