

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092435.D
 Acq On : 24 Jan 2017 18:10
 Operator : UM/SJ
 Sample : I1329-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL2-0-5FT-COMP

Quant Time: Jan 24 18:53:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	167678	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	661849	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	347230	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	523697	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	382660	20.00	ng	-0.01
86) Perylene-d12	15.63	264	336831	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	863171	80.09	ng	0.01
7) Phenol-d6	6.59	99	1321545	96.27	ng	0.00
23) Nitrobenzene-d5	7.53	82	667401	55.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	189493	80.08	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	969144	51.61	ng	-0.01
78) Terphenyl-d14	13.11	244	671215	46.71	ng	-0.01

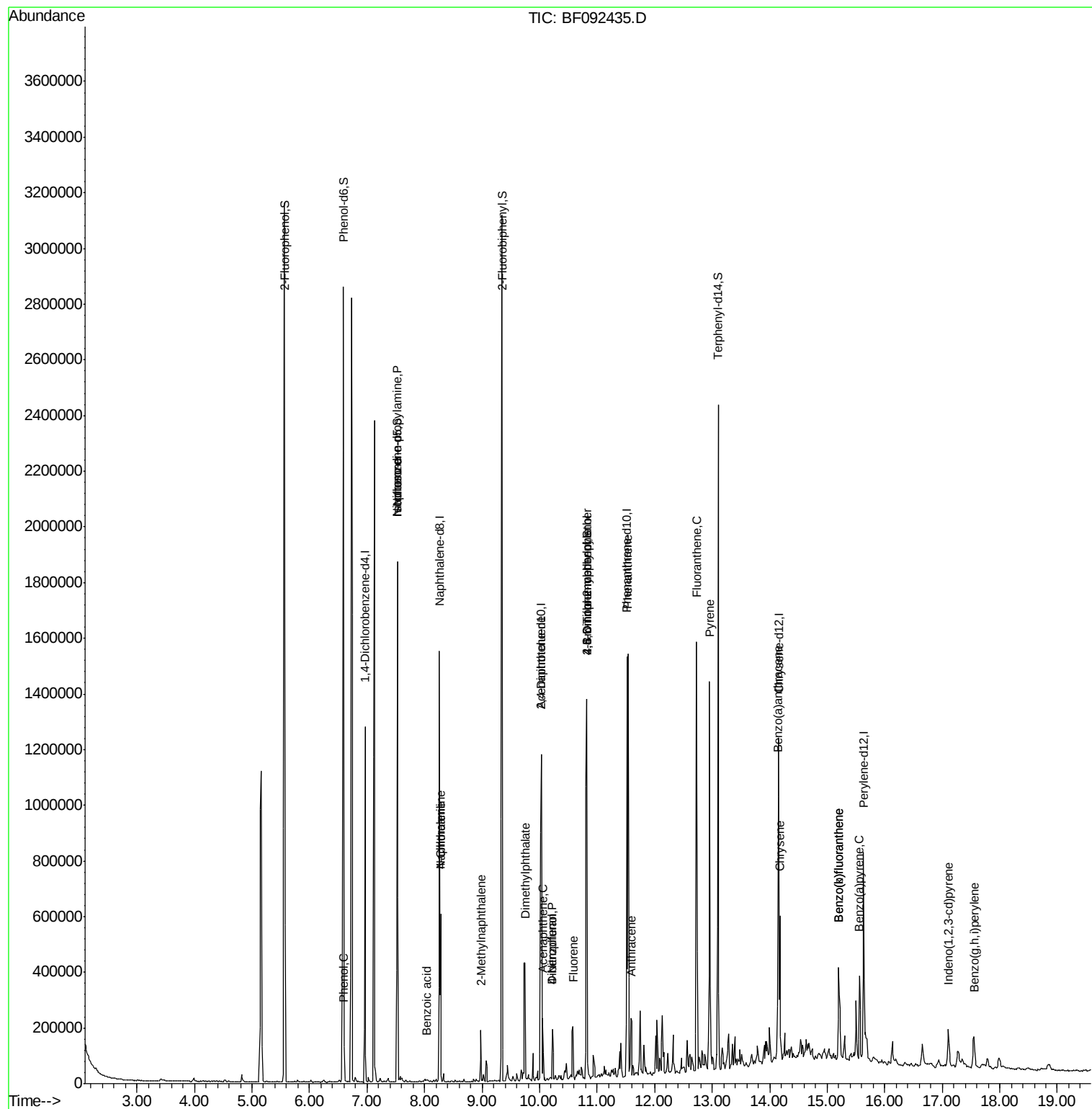
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	41082	2.48	ng	# 63
19) n-Nitroso-di-n-propylamine	7.53	70	89429	9.57	ng	# 88
25) Isophorone	7.53	82	578296	24.22	ng	# 65
31) Naphthalene	8.28	128	253243	7.48	ng	# 98
32) Benzoic acid	8.03	122	897	4.79	ng	# 18
33) 4-Chloroaniline	8.28	127	33232	2.32	ng	# 36
37) 2-Methylnaphthalene	8.98	142	53495	2.49	ng	# 92
49) Dimethylphthalate	9.74	163	267920	12.13	ng	# 98
51) Acenaphthene	10.05	154	54699	2.93	ng	# 97
54) Dibenzofuran	10.22	168	77500	3.05	ng	# 97
55) 4-Nitrophenol	10.22	139	28064	6.25	ng	# 6
56) 2,4-Dinitrotoluene	10.03	165	44264	7.39	ng	# 20
57) Fluorene	10.58	166	76501	4.07	ng	# 100
64) 4,6-Dinitro-2-methylphenol	10.82	198	601	5.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	14258	2.70	ng	# 1
70) Phenanthrene	11.54	178	567372	19.67	ng	# 99
71) Anthracene	11.60	178	121923	4.33	ng	# 96
74) Fluoranthene	12.73	202	609135	21.59	ng	# 97
77) Pyrene	12.96	202	546729	19.72	ng	# 99
80) Benzo(a)anthracene	14.15	228	232597	11.31	ng	# 94
82) Chrysene	14.18	228	154283	7.02	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.11	276	96896	5.96	ng	# 99
87) Benzo(b)fluoranthene	15.20	252	255731	11.83	ng	# 98
88) Benzo(k)fluoranthene	15.20	252	255731	14.22	ng	# 96
89) Benzo(a)pyrene	15.56	252	152295	8.33	ng	# 97
91) Benzo(g,h,i)perylene	17.55	276	99033	6.62	ng	# 92

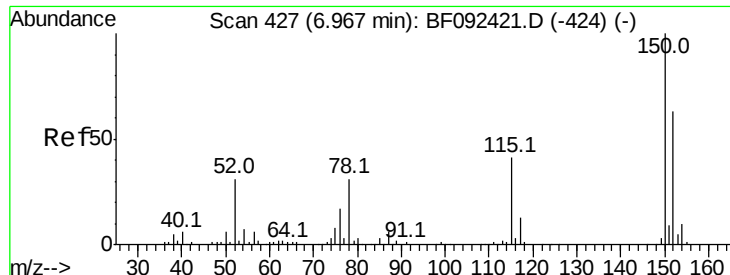
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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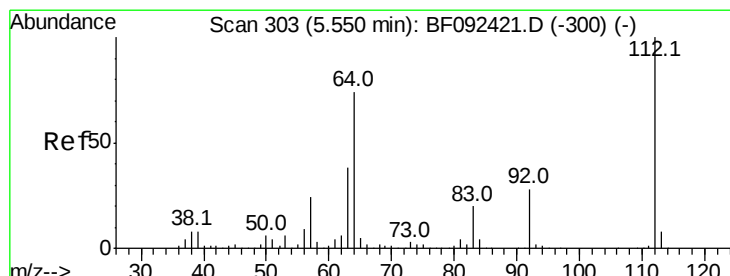
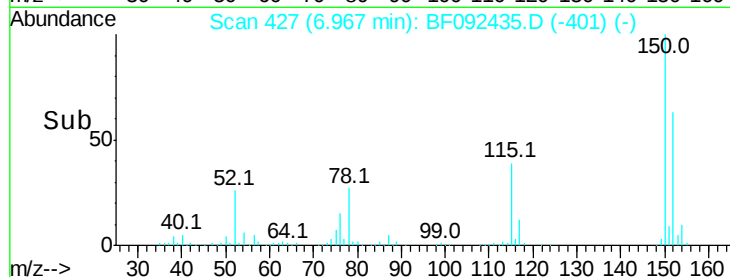
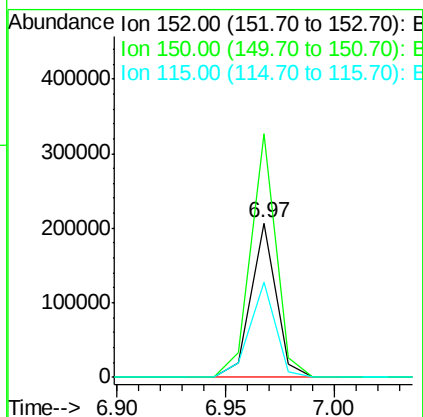
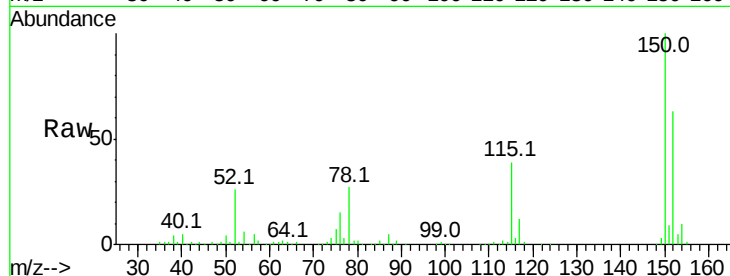


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL2-0-5FT-COMP

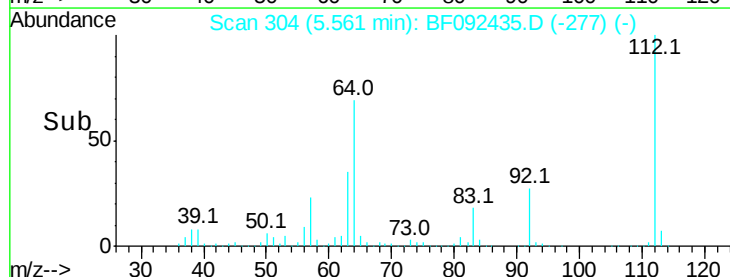
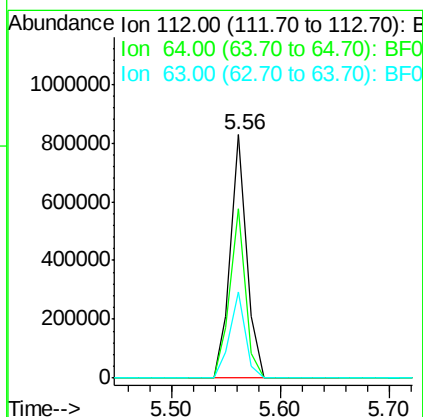
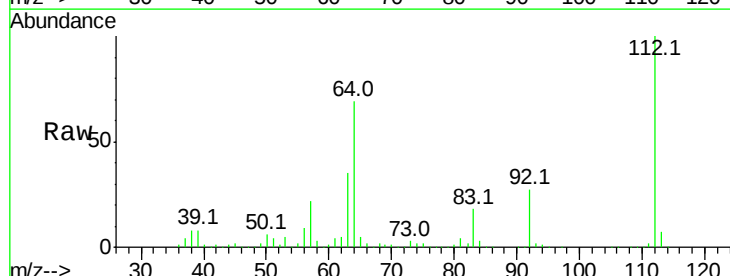
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.9	187.3
115	61.7	46.0	69.0

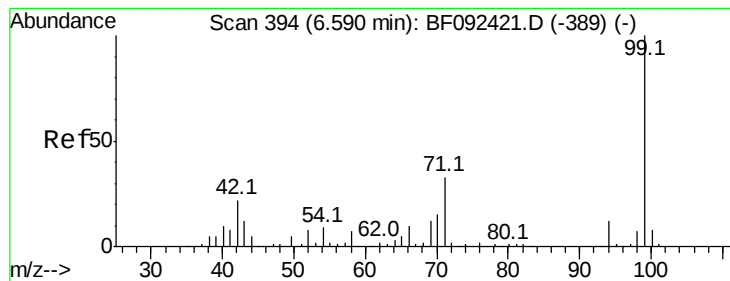


#5

2-Fluorophenol
 Concen: 80.09 ng
 RT: 5.56 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	46.1	69.1#
63	35.2	23.8	35.6





#7

Phenol-d6

Concen: 96.27 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

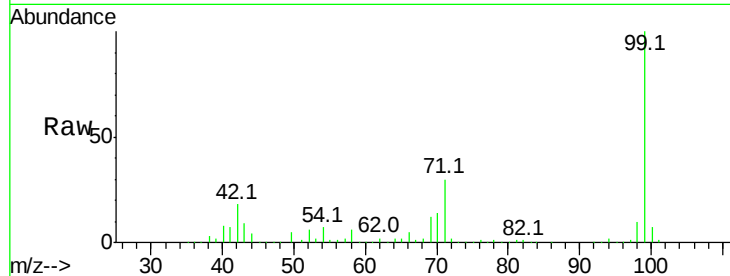
BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion: 99 Resp: 1321545

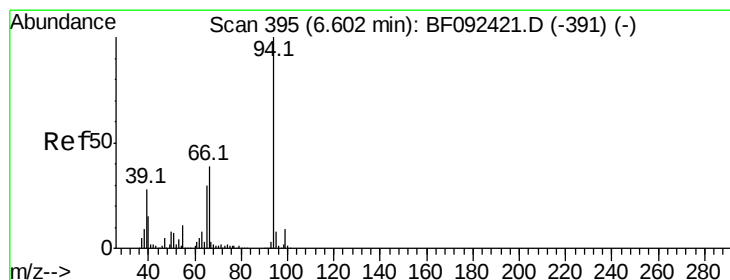
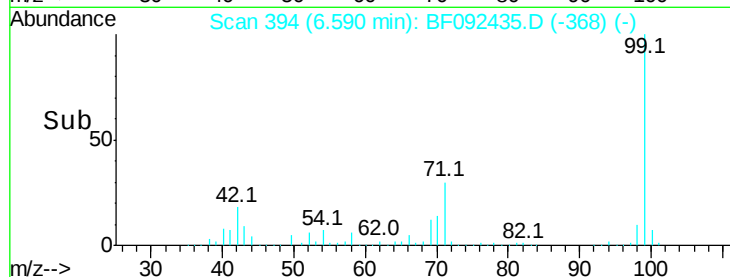
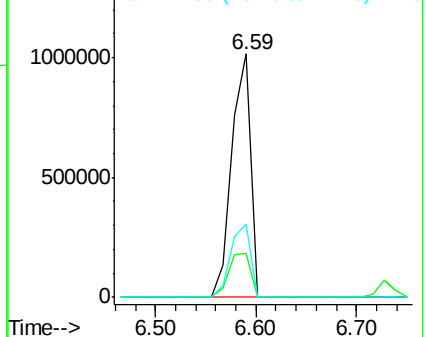
Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.6	23.4
71	30.3	27.5	41.3



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: 2.48 ng

RT: 6.60 min Scan# 395

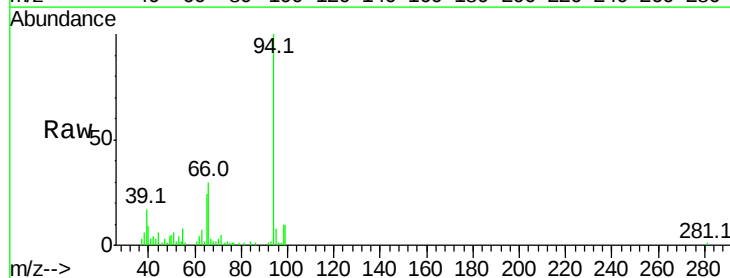
Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion: 94 Resp: 41082

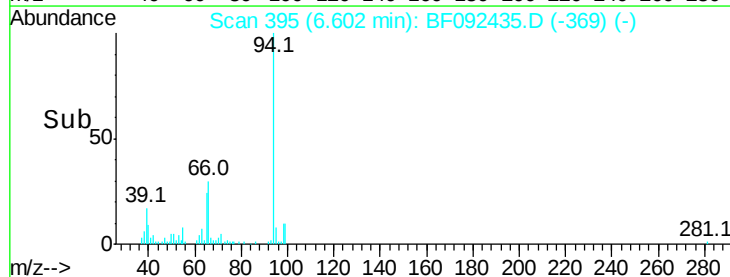
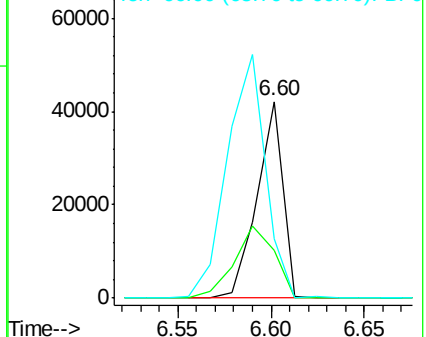
Ion	Ratio	Lower	Upper
94	100		
65	24.0	21.4	61.4
66	30.0	44.0	84.0#

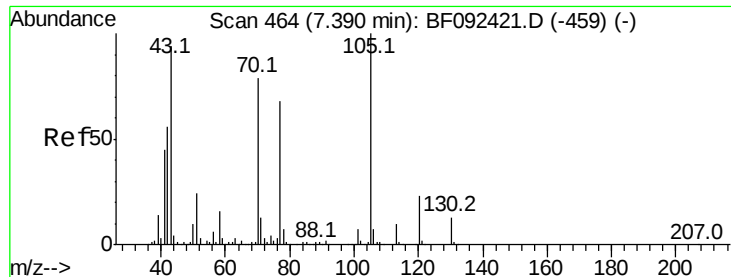


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 9.57 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion: 70 Resp: 89429

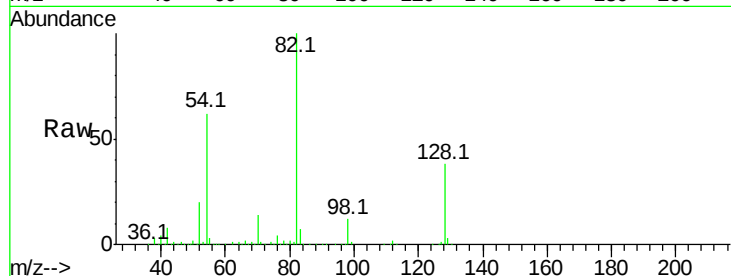
Ion Ratio Lower Upper

70 100

42 59.7 49.4 74.0

101 0.0 7.4 11.2#

130 1.6 14.2 21.4#

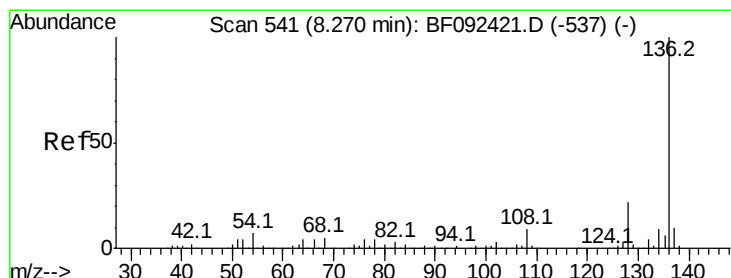
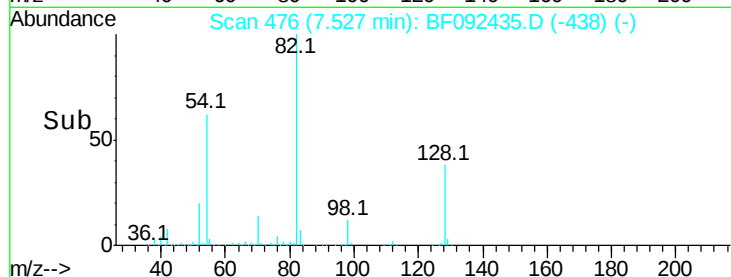
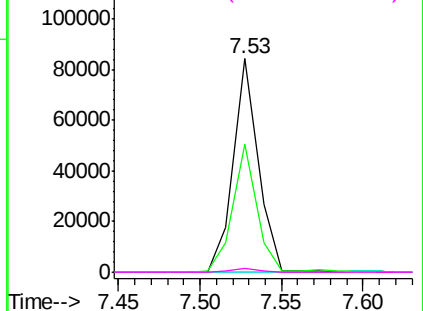


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion:136 Resp: 661849

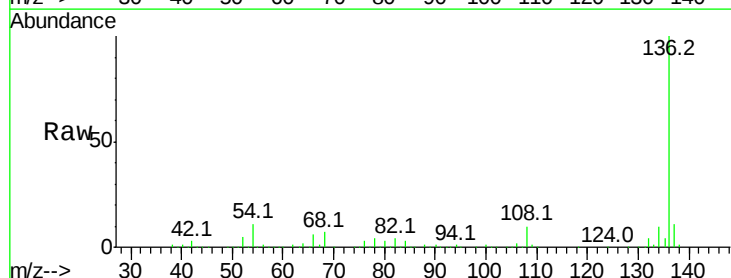
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 11.0 4.5 6.7#

68 7.5 3.6 5.4#

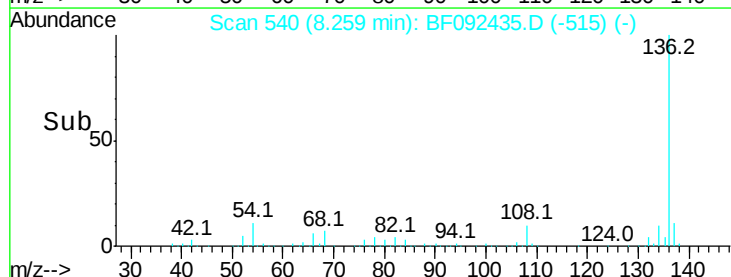
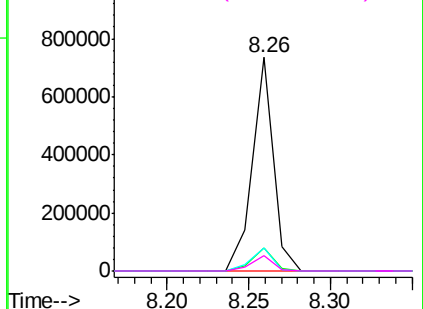


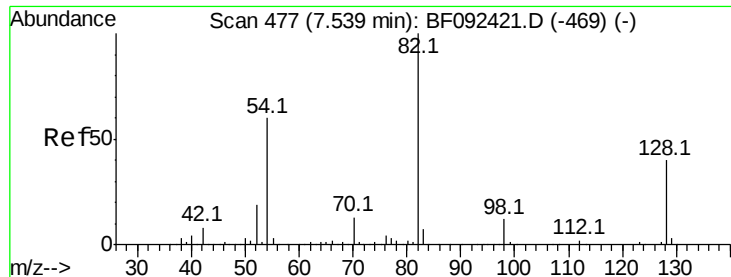
Abundance Ion 136.00 (135.70 to 136.70): E

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

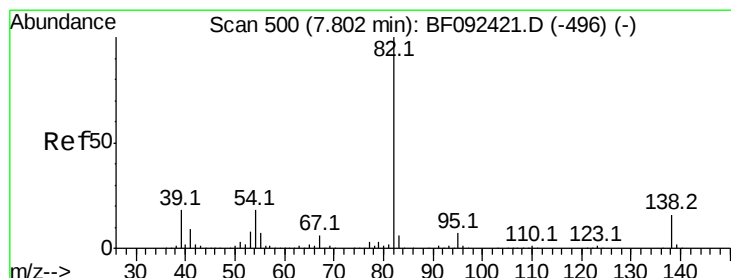
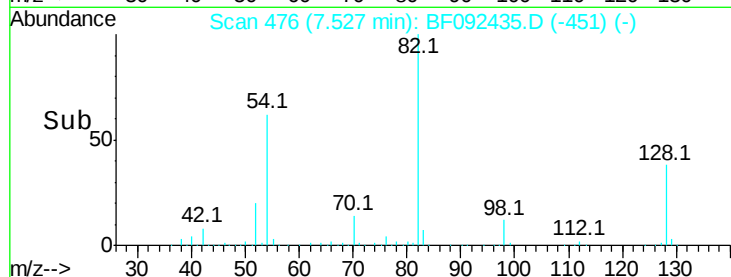
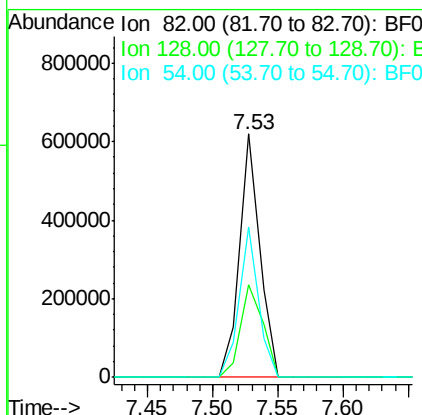
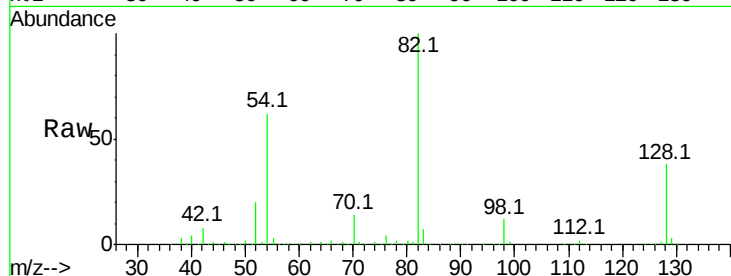




#23
 Nitrobenzene-d5
 Concen: 55.08 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

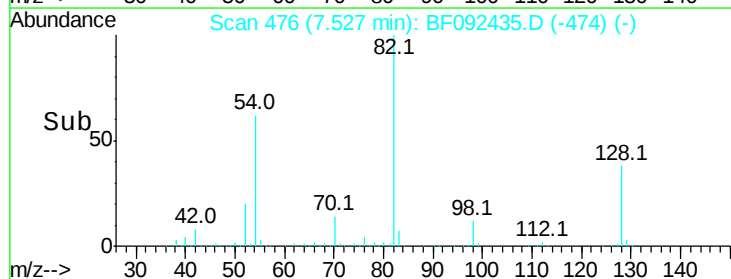
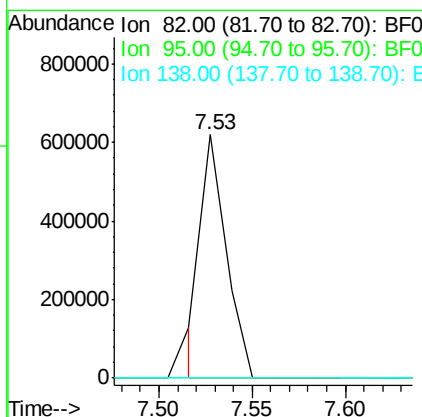
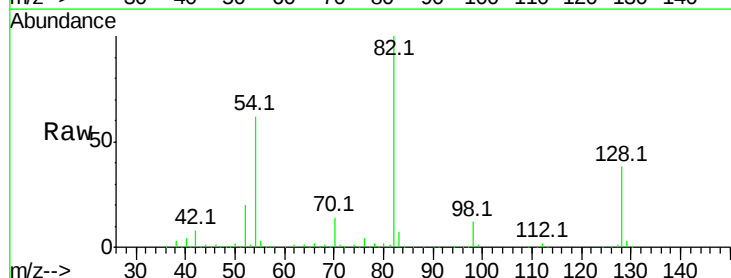
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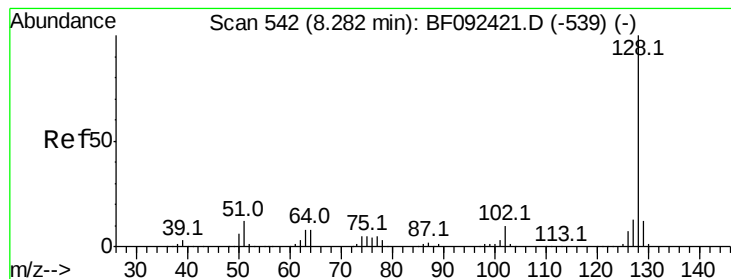
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	34.6	52.0
54	61.9	39.5	59.3#



#25
 Isophorone
 Concen: 24.22 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.27 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#





#31

Naphthalene

Concen: 7.48 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

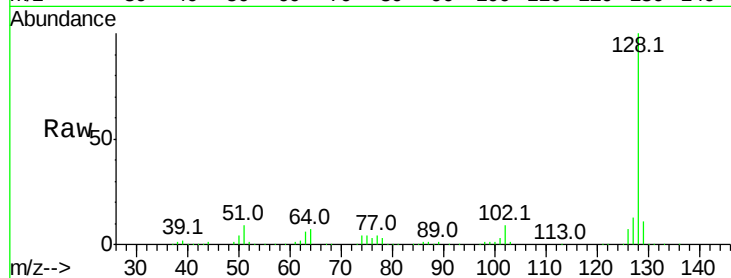
Tot Ion:128 Resp: 253243

Ion Ratio Lower Upper

128 100

129 10.6 9.5 14.3

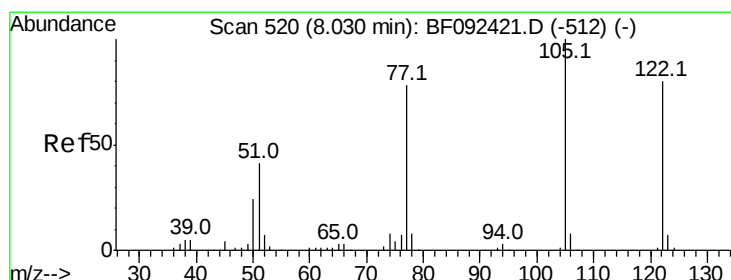
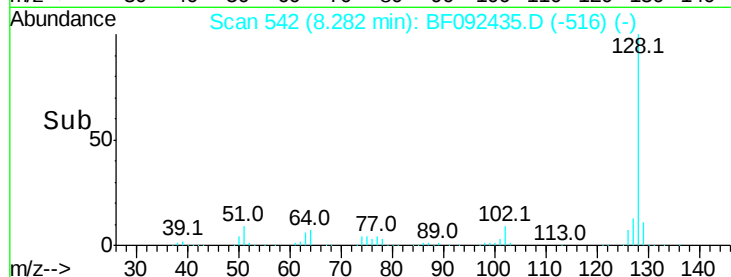
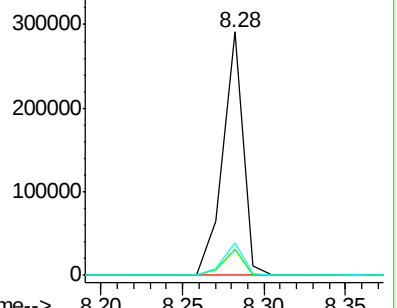
127 13.3 10.8 16.2



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: 4.79 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

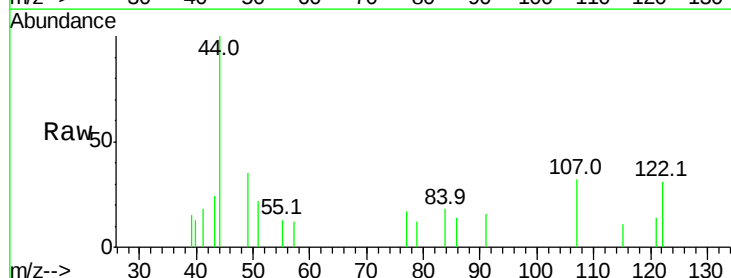
Tgt Ion:122 Resp: 897

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

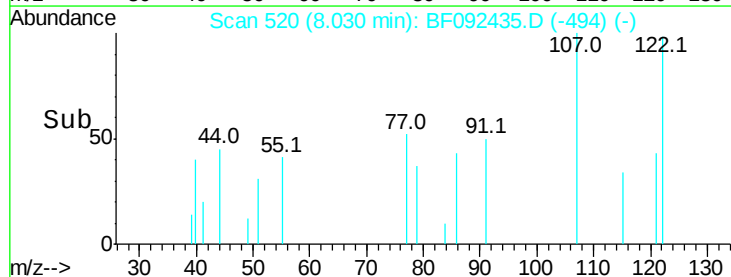
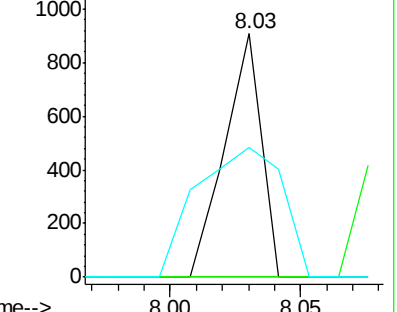
77 53.4 74.5 114.5#

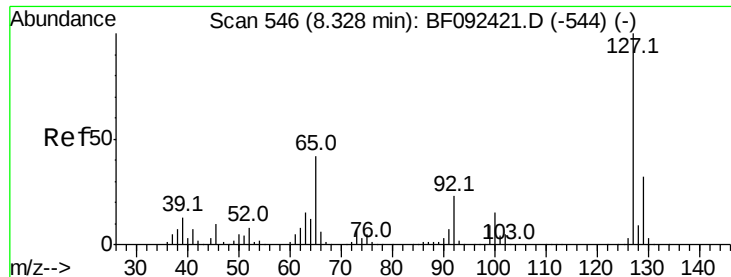


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

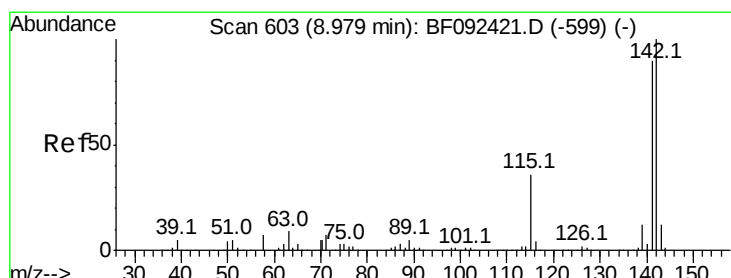
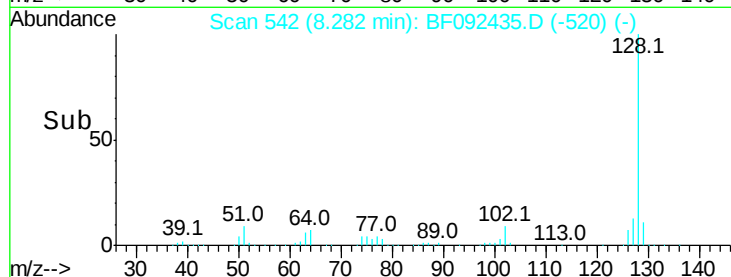
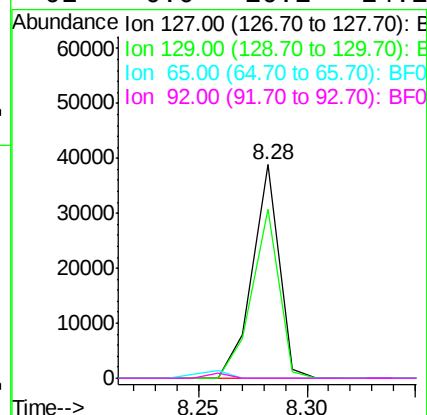
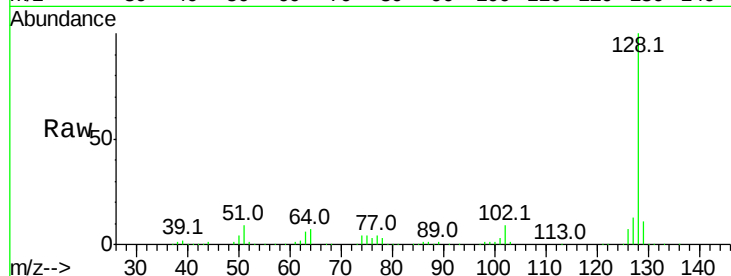




#33
 4-Chloroaniline
 Concen: 2.32 ng
 RT: 8.28 min Scan# 542
 Delta R.T. -0.05 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

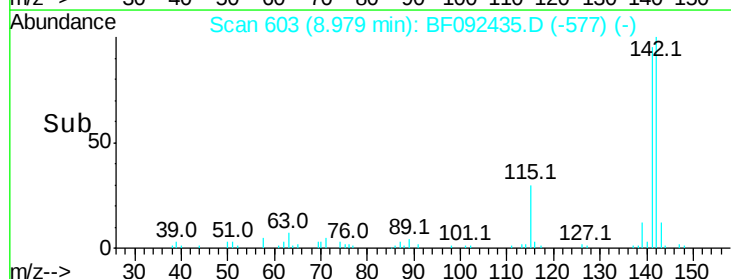
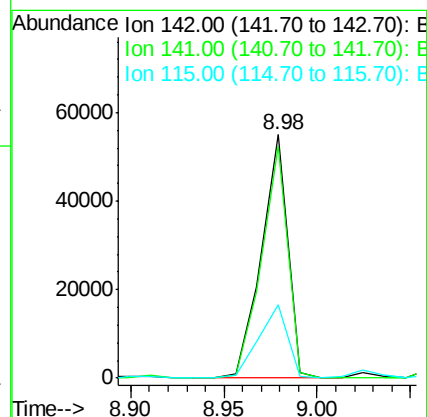
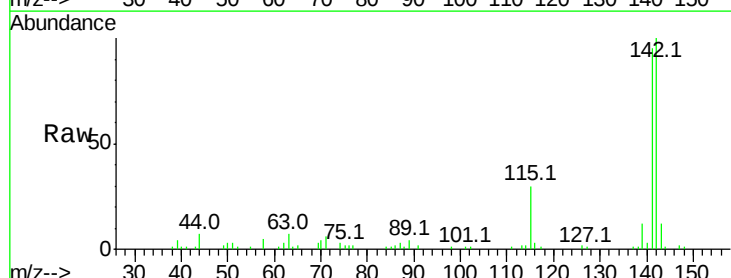
Instrument :
 BNA_F
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 BLACK-FILL2-0-5FT-COMP

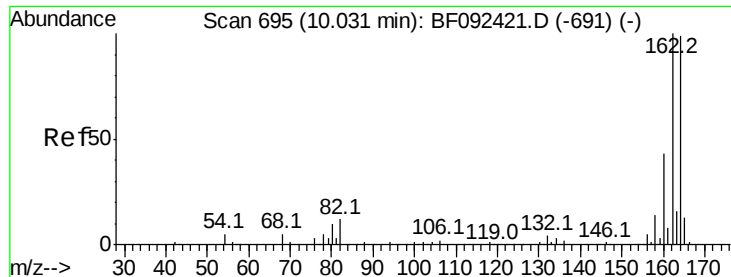
Tot Ion:127 Resp: 33232
 Ion Ratio Lower Upper
 127 100
 129 79.2 26.3 39.5#
 65 0.0 25.8 38.8#
 92 0.0 16.1 24.1#



#37
 2-Methylnaphthalene
 Concen: 2.49 ng
 RT: 8.98 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

Tgt Ion:142 Resp: 53495
 Ion Ratio Lower Upper
 142 100
 141 95.4 71.0 106.6
 115 30.2 28.3 42.5

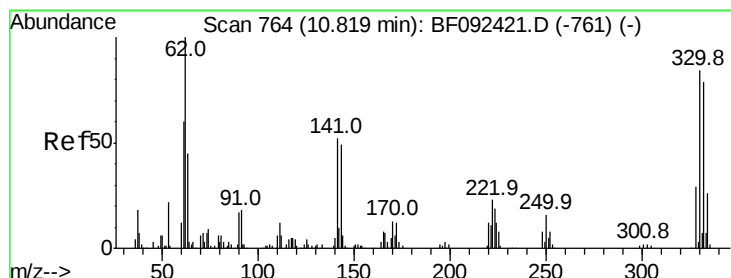
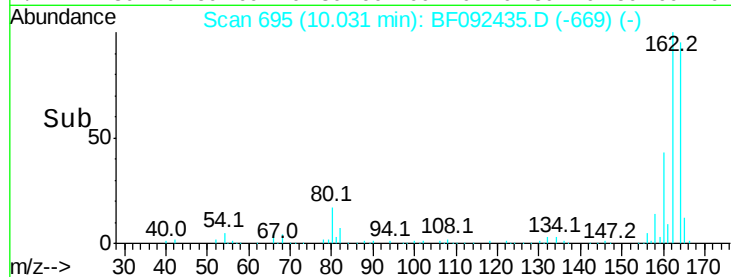
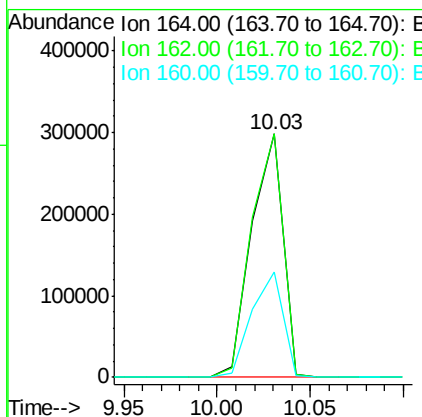
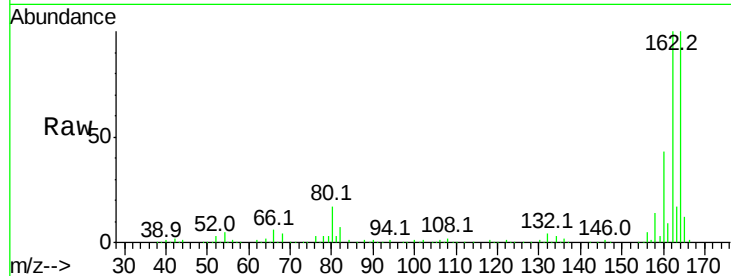




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

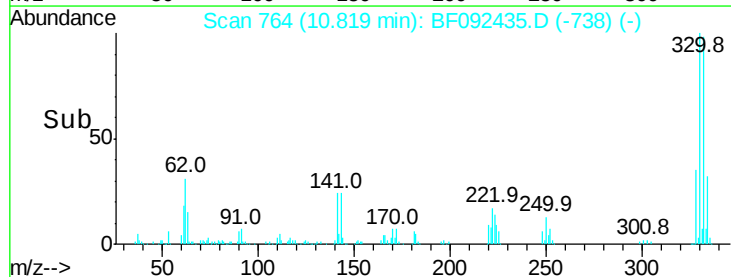
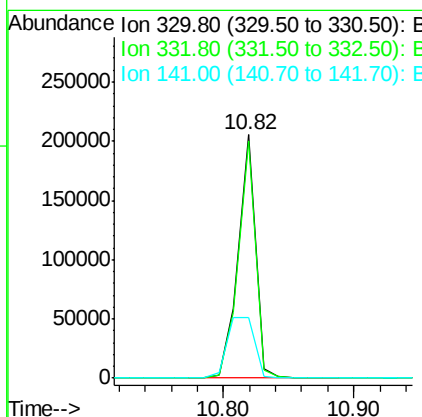
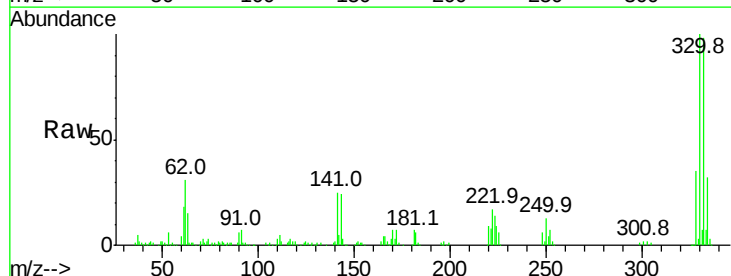
Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

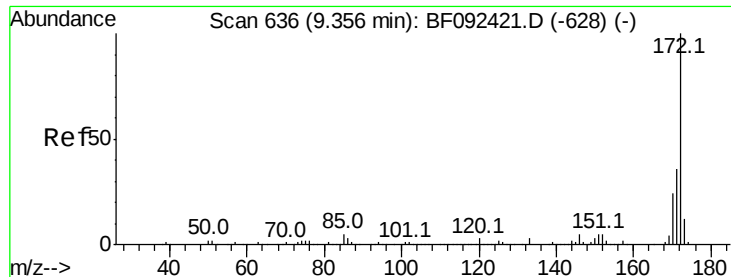
Tot Ion:164 Resp: 347230
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 43.1 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 80.08 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion:330 Resp: 189493
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 39.4 34.1 51.1

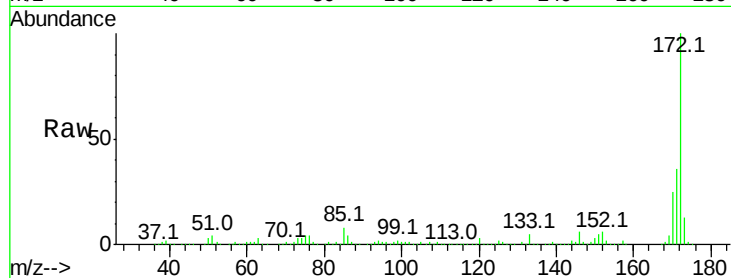




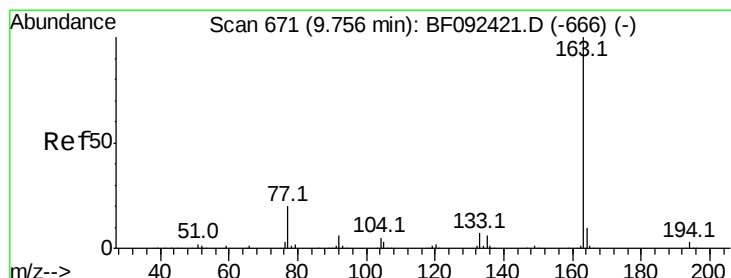
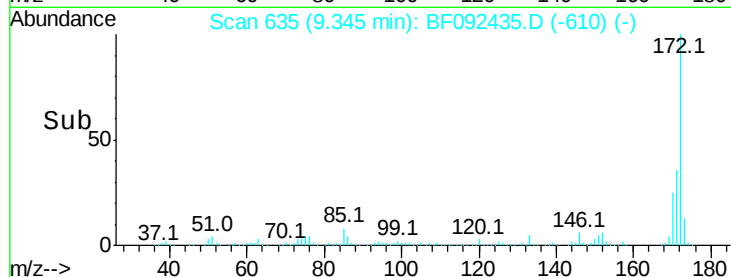
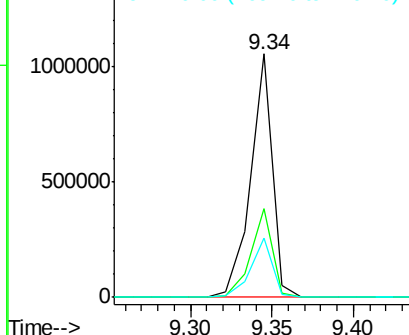
#44
2-Fluorobiphenyl
Concen: 51.61 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion:172 Resp: 969144
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.6 20.2 30.4

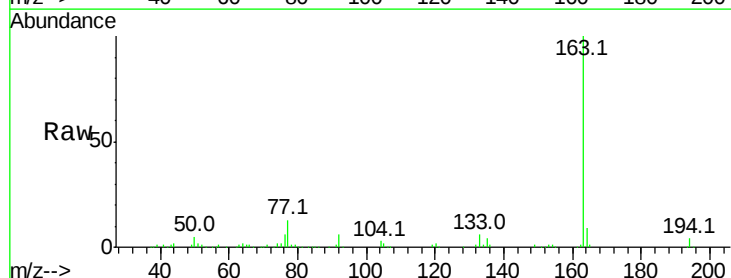


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

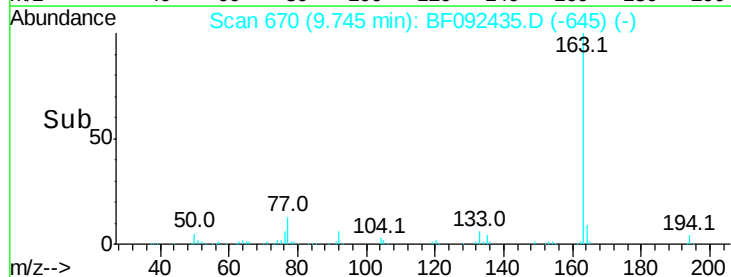
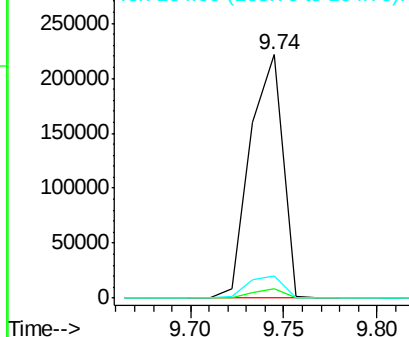


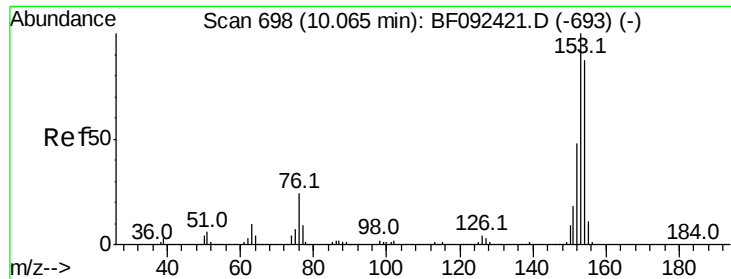
#49
Dimethylphthalate
Concen: 12.13 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion:163 Resp: 267920
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.3 8.0 12.0



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





#51

Acenaphthene

Concen: 2.93 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

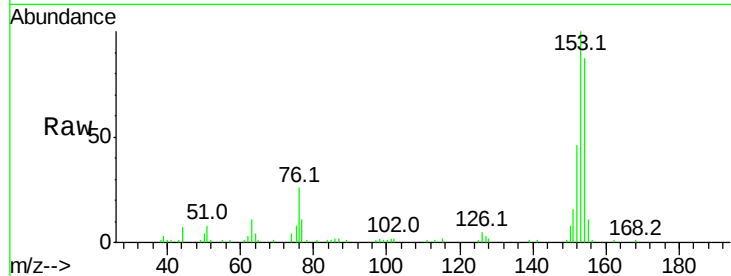
Tot Ion:154 Resp: 54699

Ion Ratio Lower Upper

154 100

153 115.0 88.6 133.0

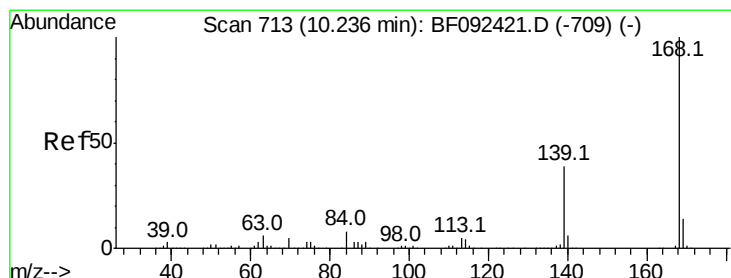
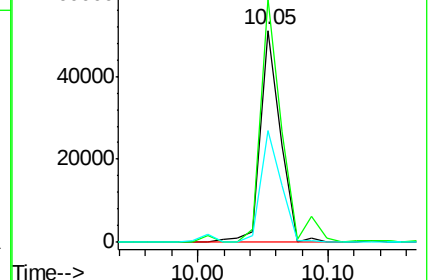
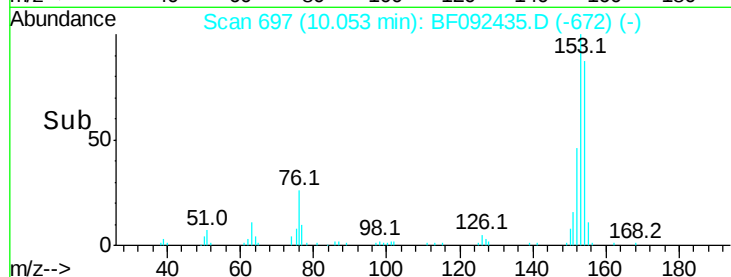
152 52.6 41.6 62.4



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: 3.05 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

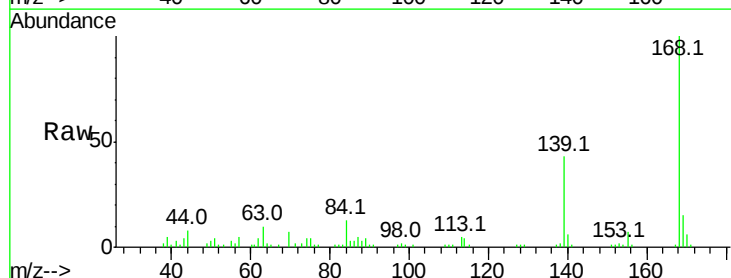
Tgt Ion:168 Resp: 77500

Ion Ratio Lower Upper

168 100

139 42.9 32.6 49.0

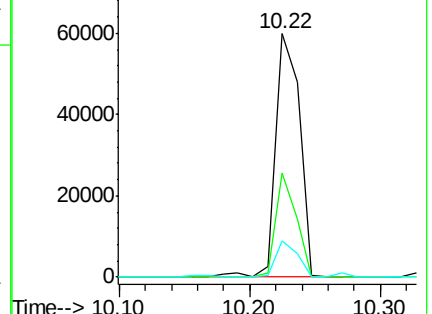
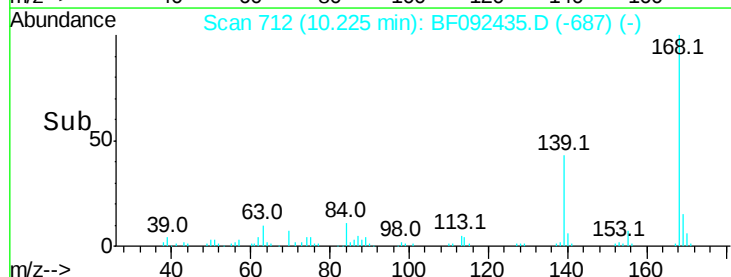
169 15.1 11.3 16.9

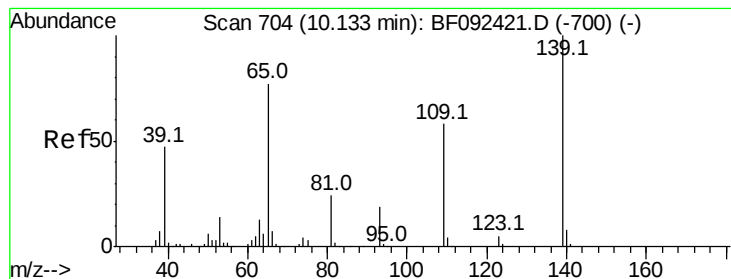


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 6.25 ng

RT: 10.22 min Scan# 712

Delta R.T. 0.09 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

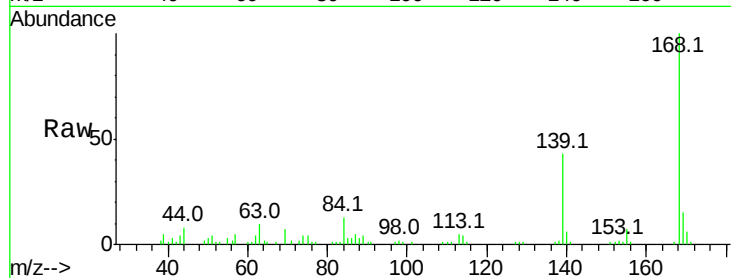
Tot Ion:139 Resp: 28064

Ion Ratio Lower Upper

139 100

109 1.3 52.2 92.2#

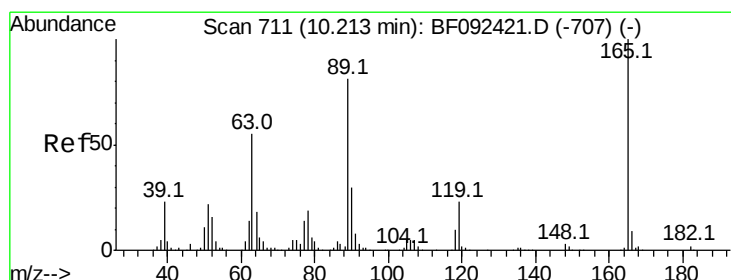
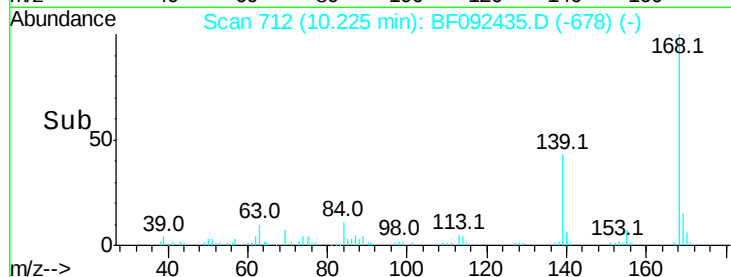
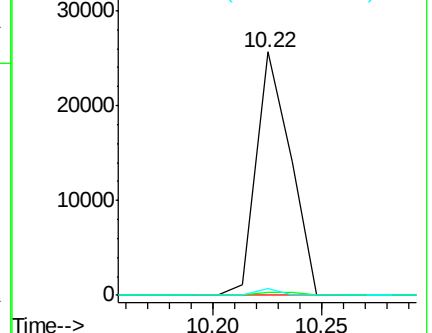
65 2.7 85.8 125.8#



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: 7.39 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.18 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion:165 Resp: 44264

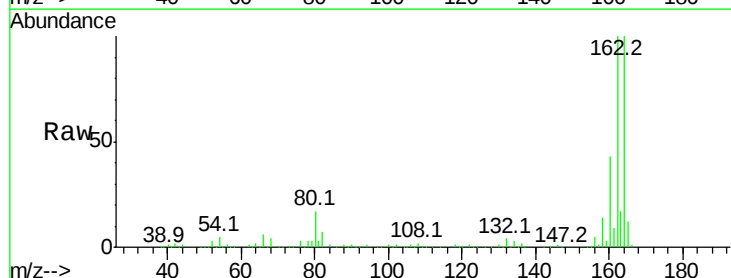
Ion Ratio Lower Upper

165 100

63 1.1 40.2 60.4#

89 1.3 62.5 93.7#

182 0.0 1.8 2.8#

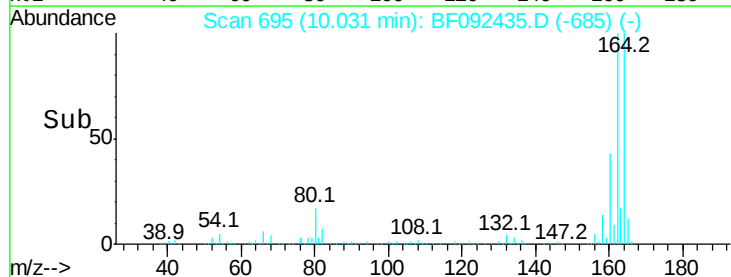
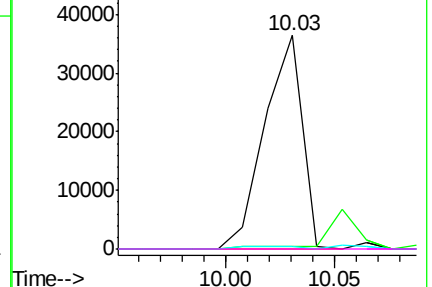


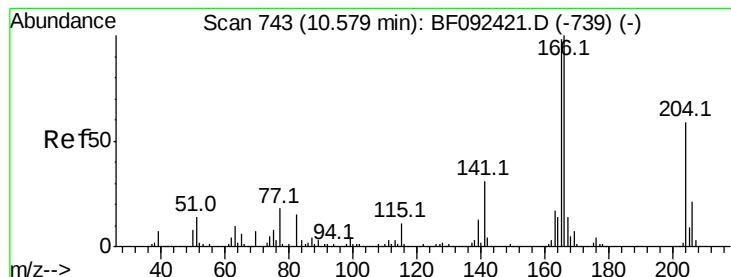
Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.07 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

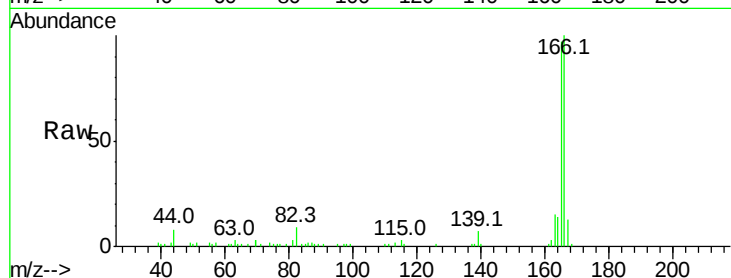
Tot Ion:166 Resp: 76501

Ion Ratio Lower Upper

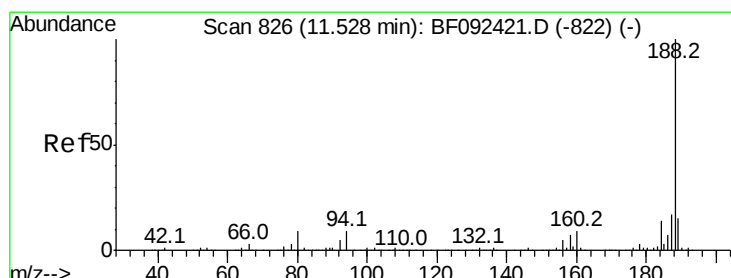
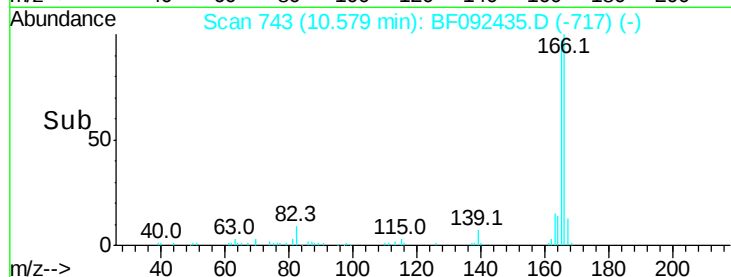
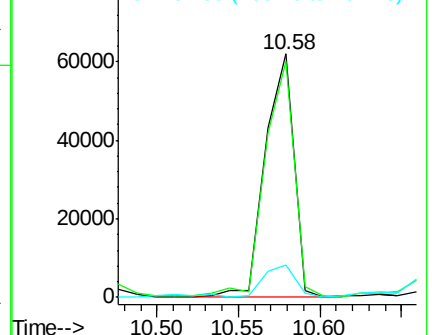
166 100

165 97.0 77.8 116.8

167 13.3 10.8 16.2



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: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

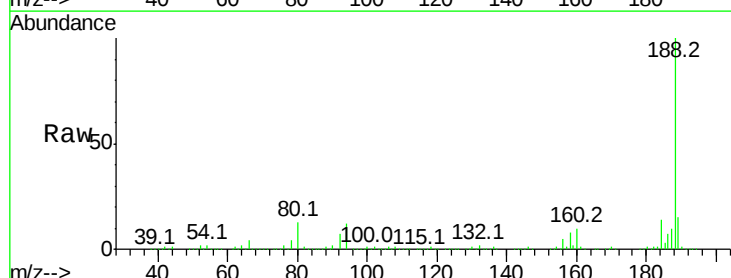
Tgt Ion:188 Resp: 523697

Ion Ratio Lower Upper

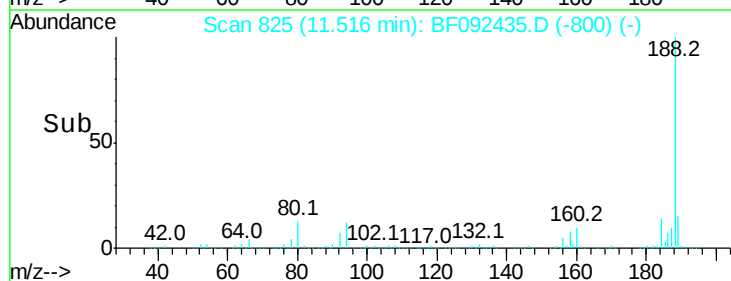
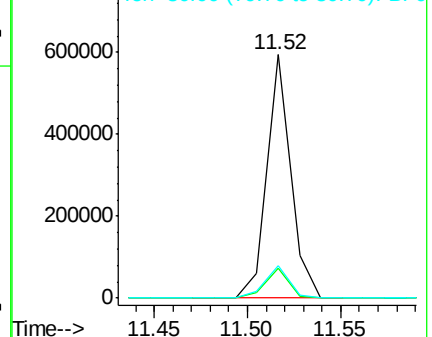
188 100

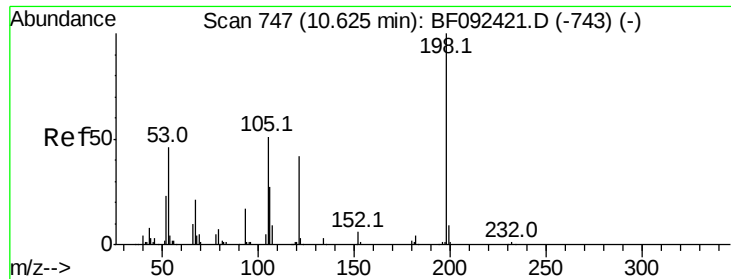
94 12.3 10.0 15.0

80 13.2 11.2 16.8



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

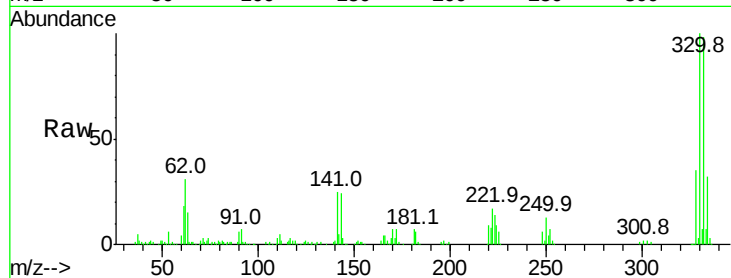




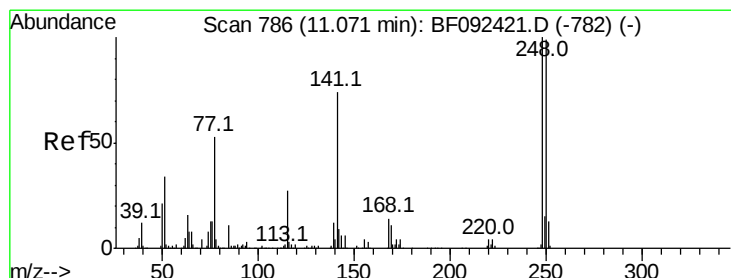
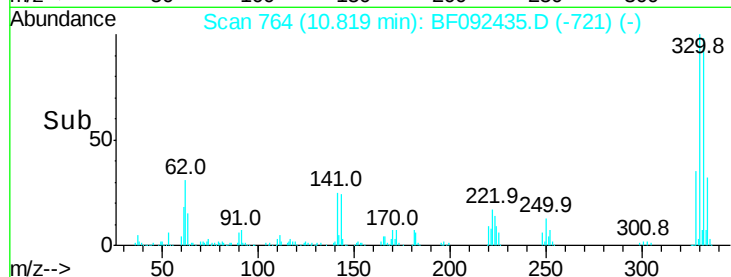
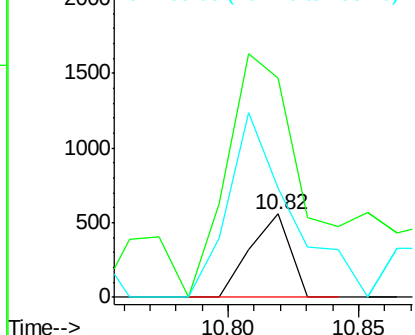
#64
4,6-Dinitro-2-methylphenol
Concen: 5.14 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.20 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion:198 Resp: 601
Ion Ratio Lower Upper
198 100
51 262.4 6.7 46.7#
105 131.5 16.6 56.6#

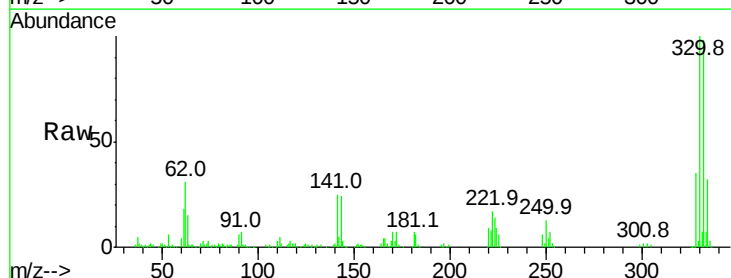


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

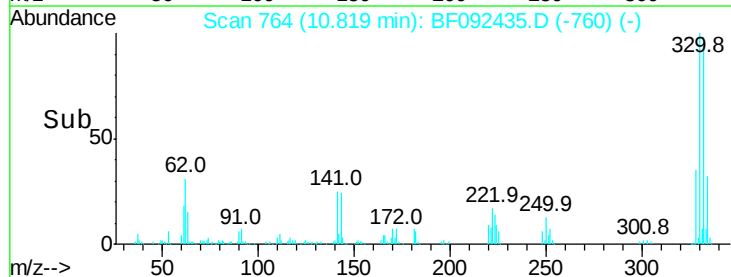
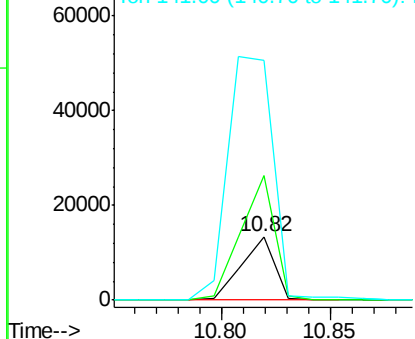


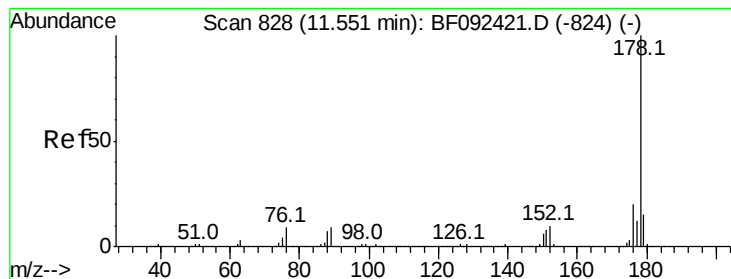
#66
4-Bromophenyl-phenylether
Concen: 2.70 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.25 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion:248 Resp: 14258
Ion Ratio Lower Upper
248 100
250 197.7 76.9 115.3#
141 379.4 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 19.67 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

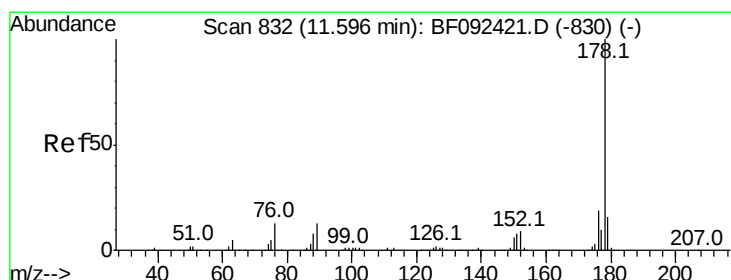
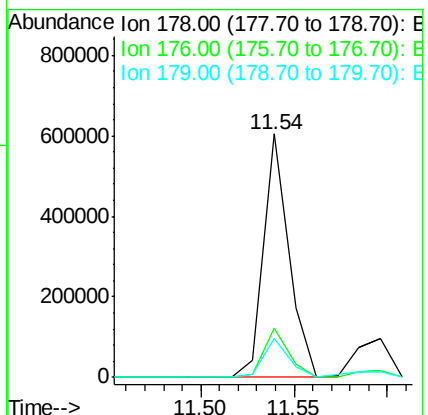
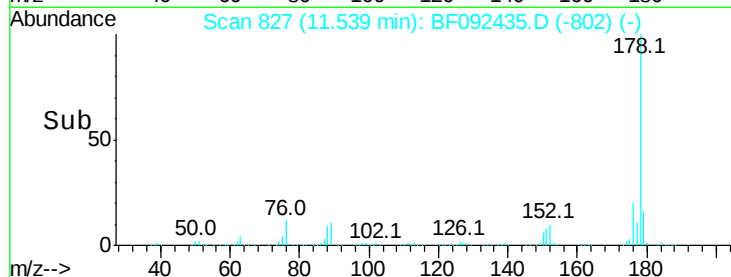
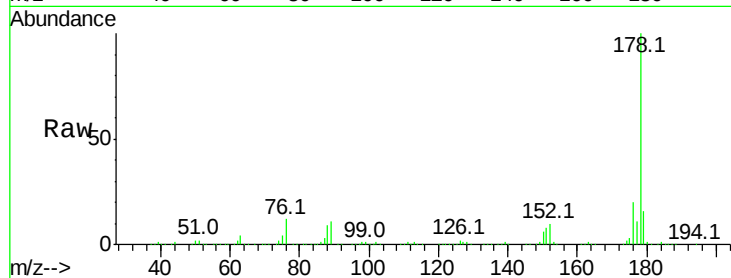
Tot Ion:178 Resp: 567372

Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

179 15.8 12.8 19.2



#71

Anthracene

Concen: 4.33 ng

RT: 11.60 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

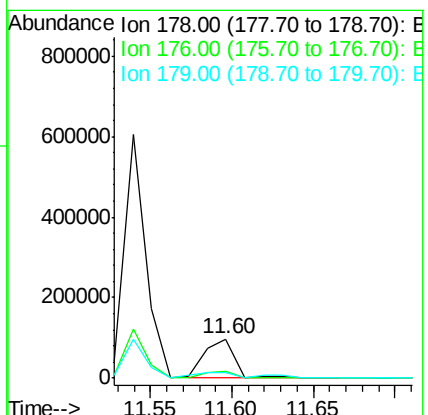
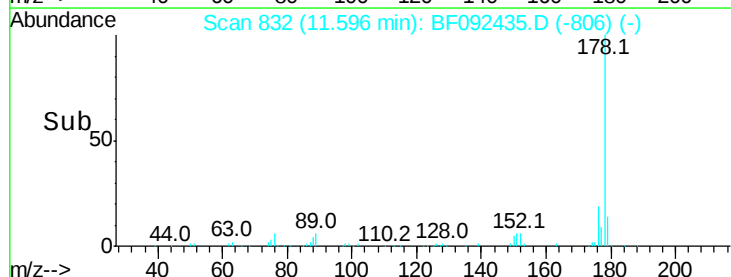
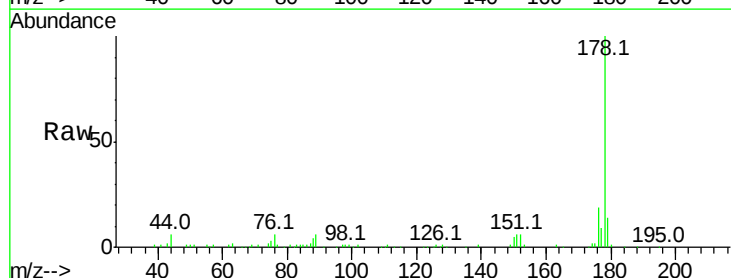
Tgt Ion:178 Resp: 121923

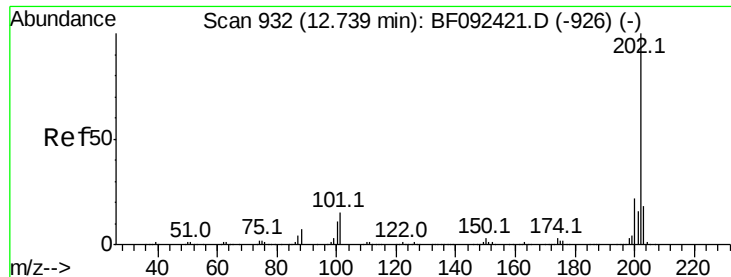
Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

179 14.3 13.2 19.8





#74

Fluoranthene

Concen: 21.59 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

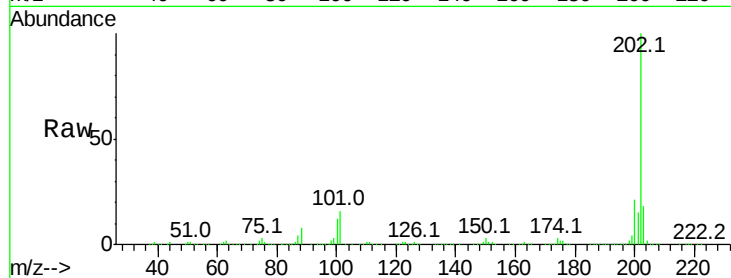
Tot Ion:202 Resp: 609135

Ion Ratio Lower Upper

202 100

101 16.2 0.0 34.6

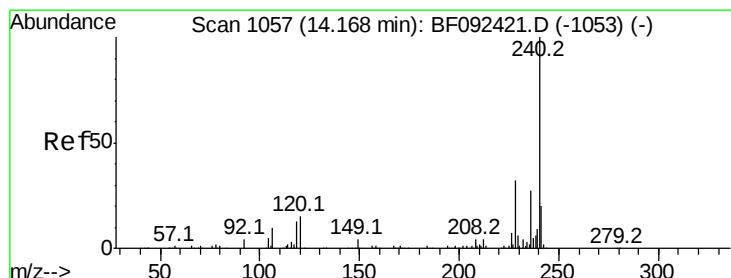
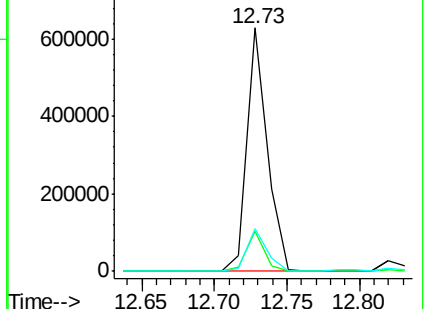
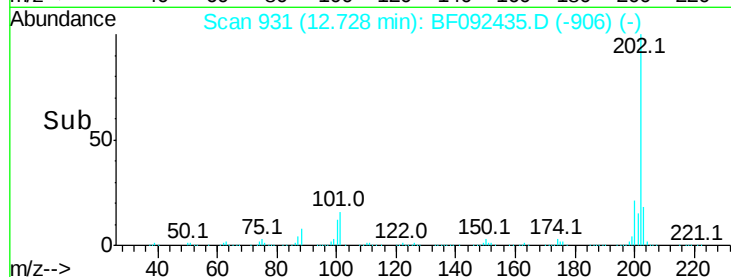
203 17.6 0.0 38.7



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: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

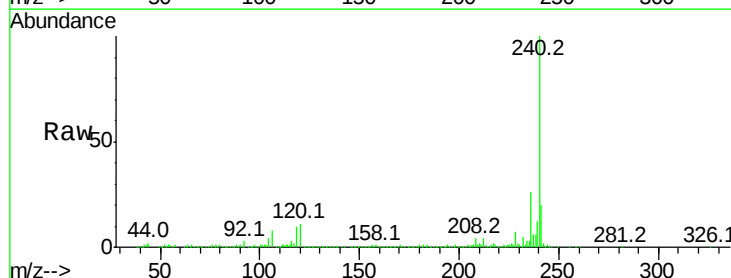
Tgt Ion:240 Resp: 382660

Ion Ratio Lower Upper

240 100

120 11.0 12.9 19.3#

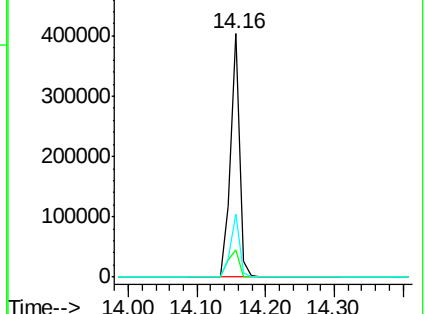
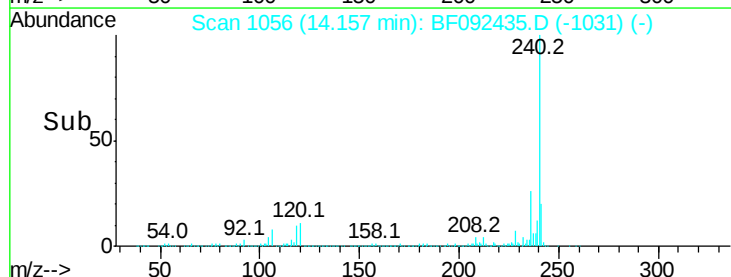
236 25.8 20.9 31.3

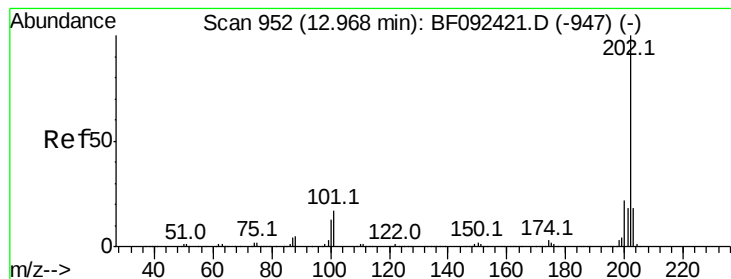


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.72 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

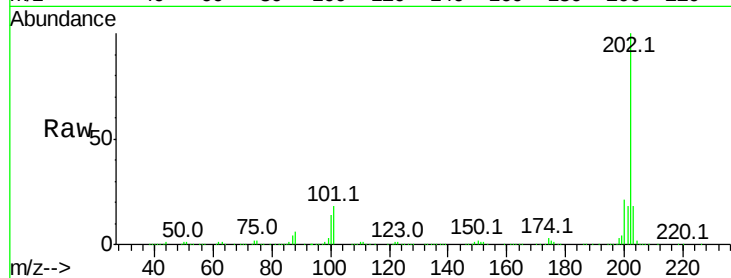
Tot Ion:202 Resp: 546729

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

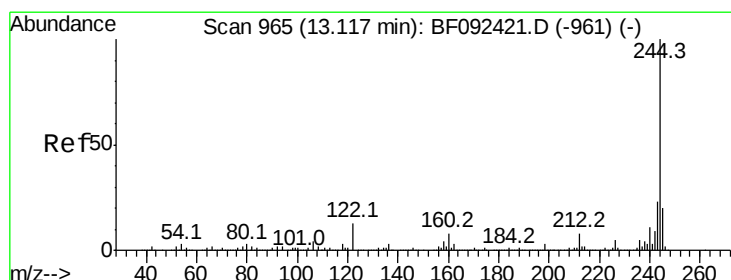
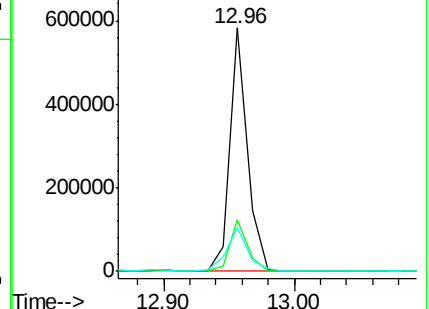
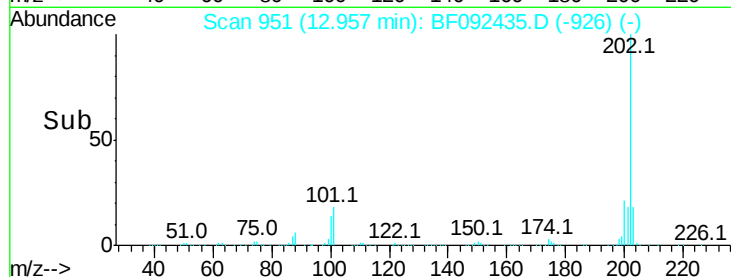
203 18.0 14.7 22.1



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: 46.71 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

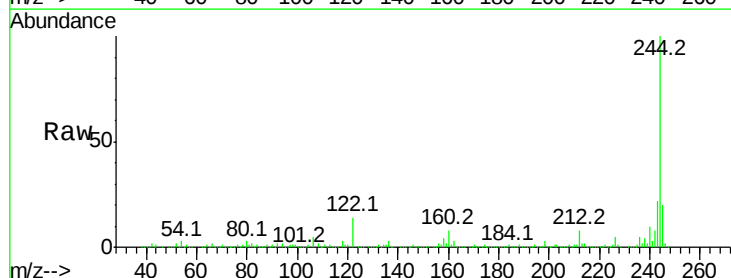
Tgt Ion:244 Resp: 671215

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

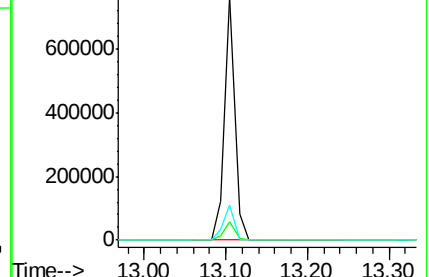
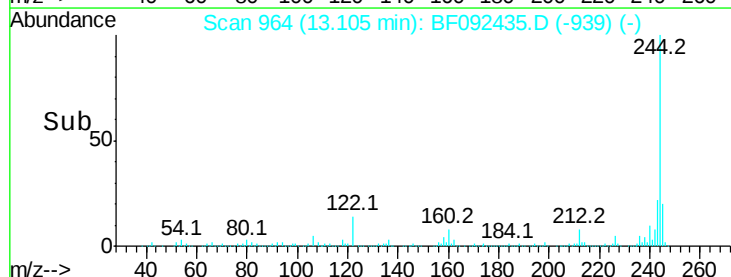
122 14.3 11.4 17.2

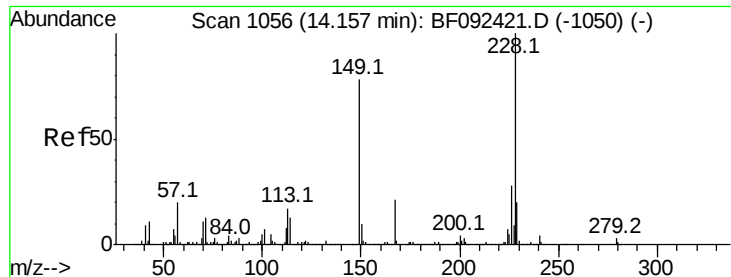


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.31 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

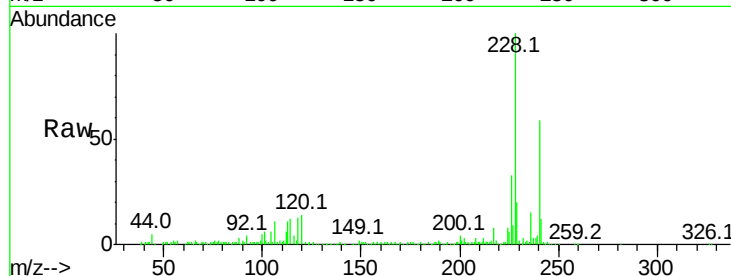
Tot Ion:228 Resp: 232597

Ion Ratio Lower Upper

228 100

226 33.4 22.4 33.6

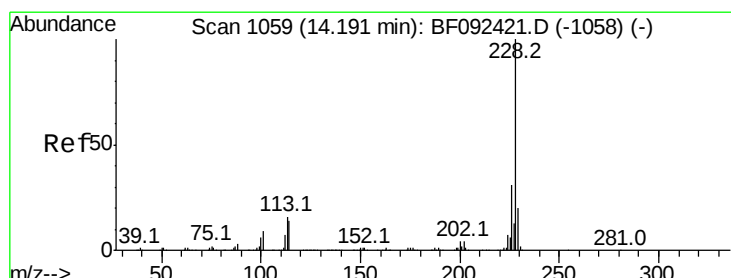
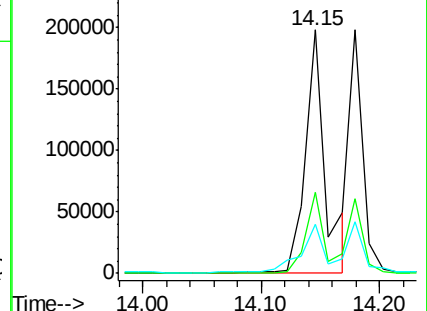
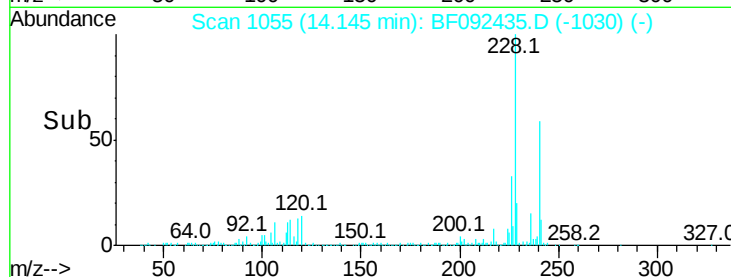
229 20.4 16.2 24.4



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: 7.02 ng

RT: 14.18 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

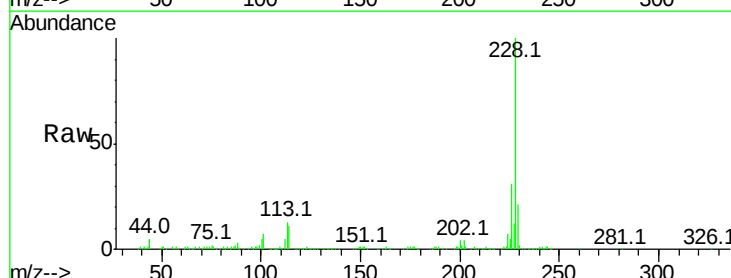
Tgt Ion:228 Resp: 154283

Ion Ratio Lower Upper

228 100

226 30.7 25.4 38.0

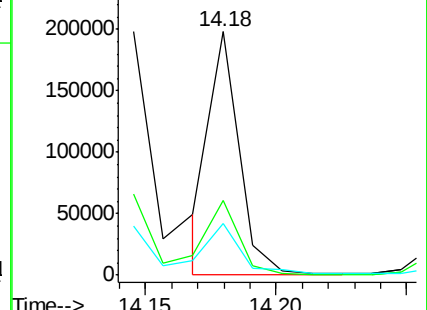
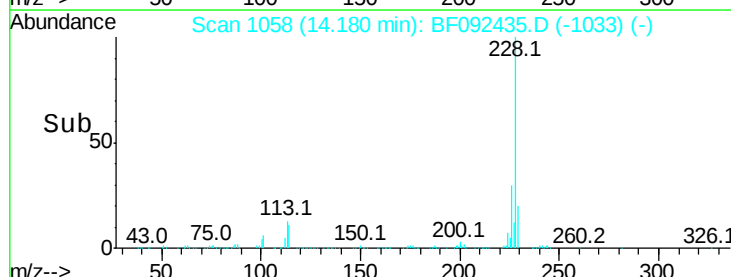
229 21.1 16.2 24.2

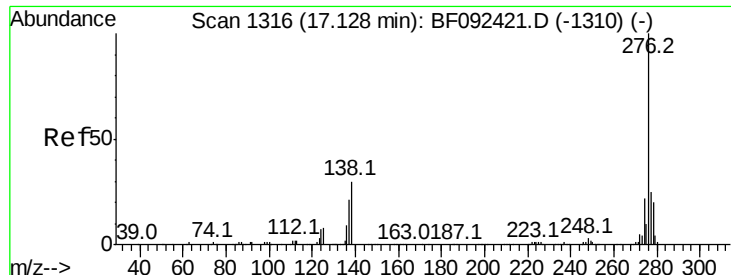


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

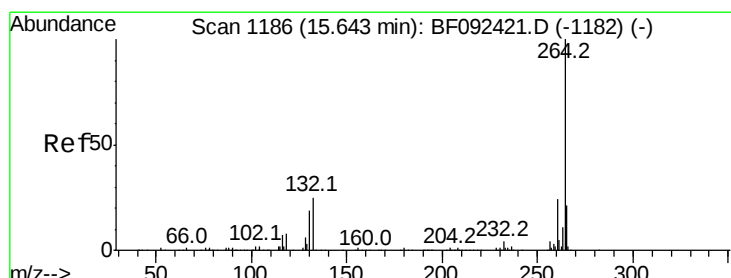
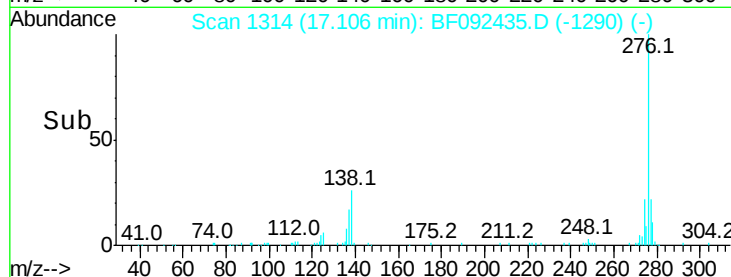
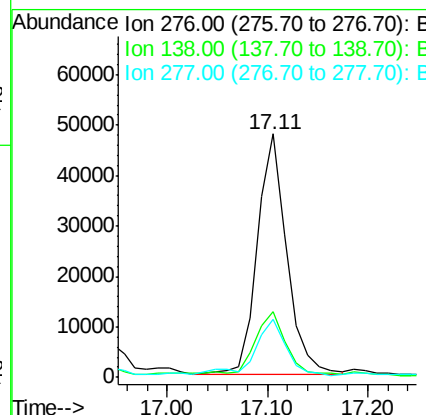
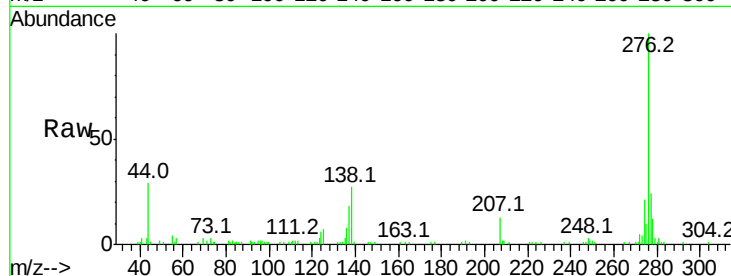




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.96 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

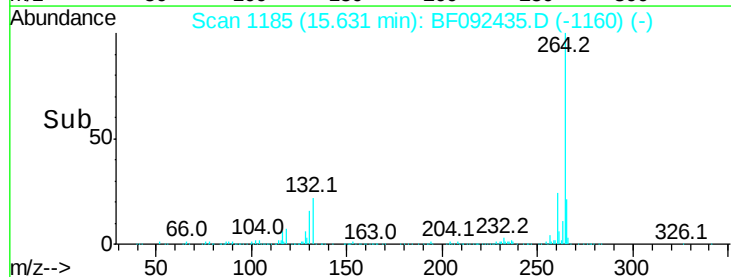
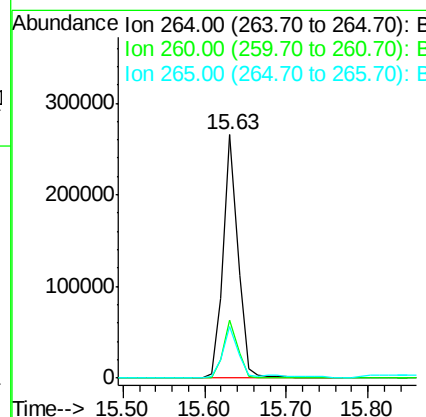
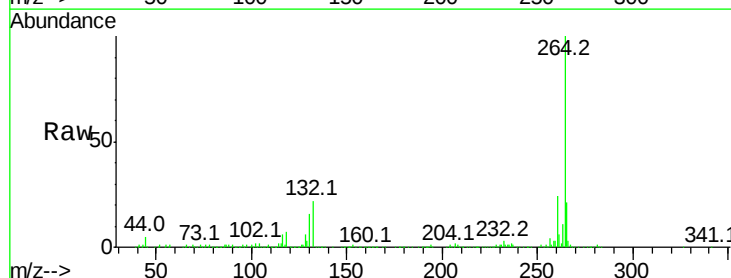
Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

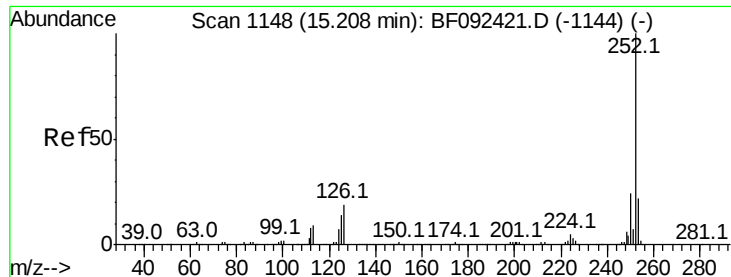
Tot Ion:276 Resp: 96896
Ion Ratio Lower Upper
276 100
138 27.3 21.8 32.6
277 26.0 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion:264 Resp: 336831
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.1 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 11.83 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

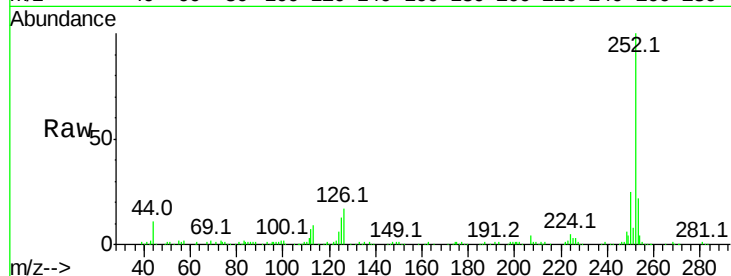
Tot Ion:252 Resp: 255731

Ion Ratio Lower Upper

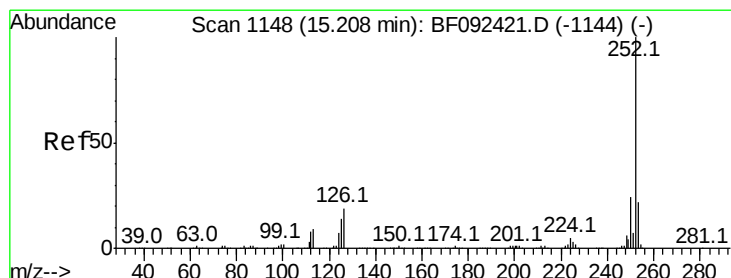
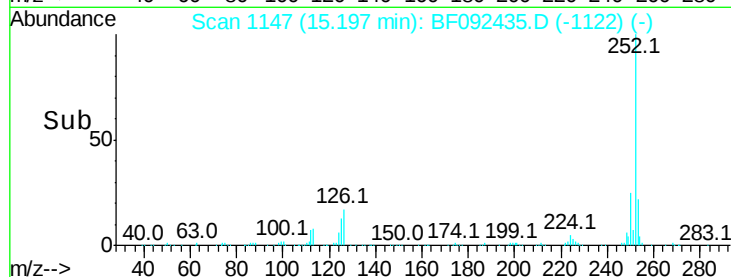
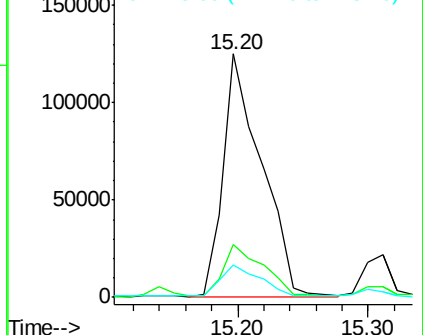
252 100

253 21.9 18.2 27.4

125 13.5 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 14.22 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.05 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

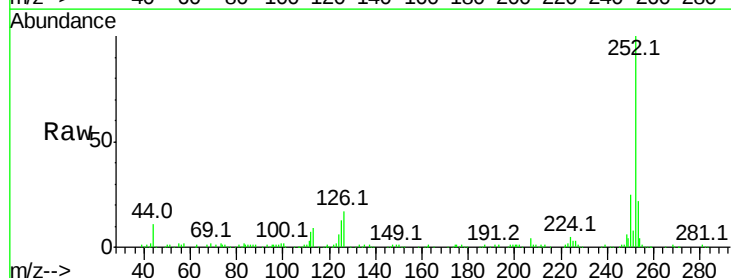
Tgt Ion:252 Resp: 255731

Ion Ratio Lower Upper

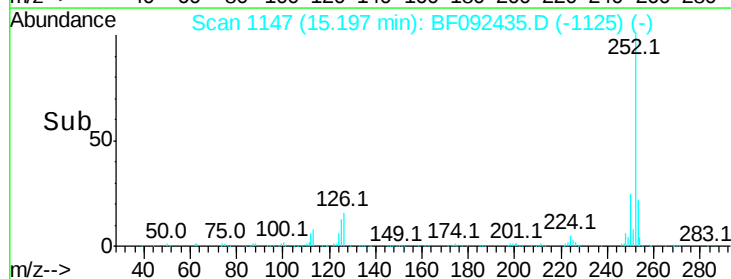
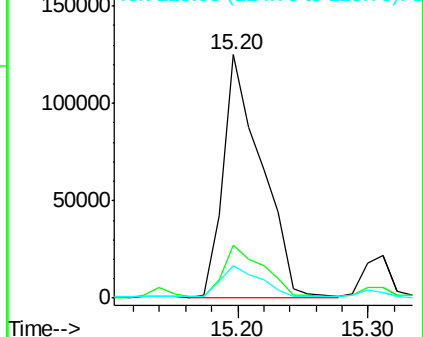
252 100

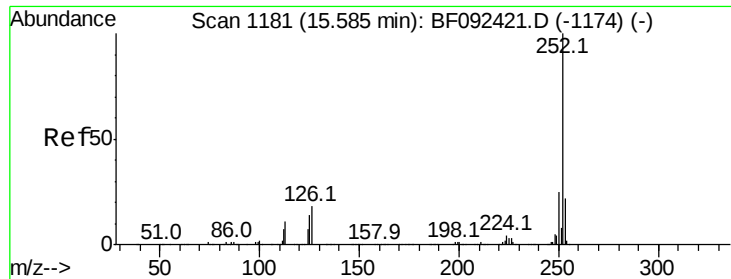
253 21.9 18.5 27.7

125 13.5 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

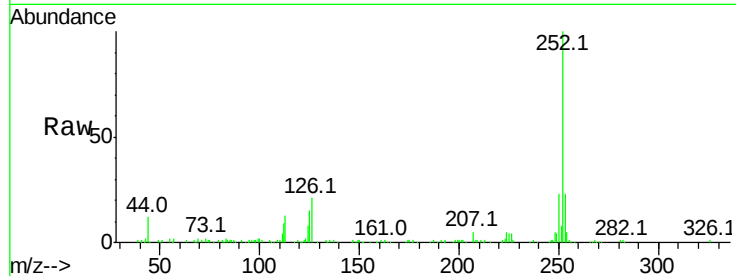




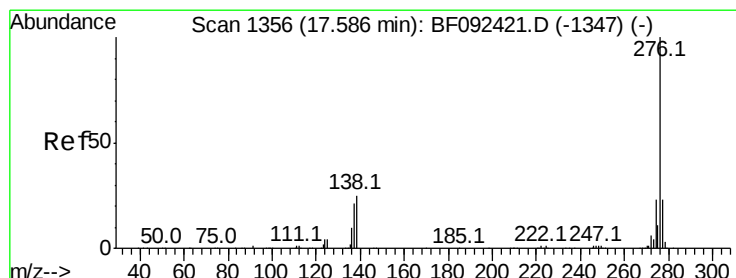
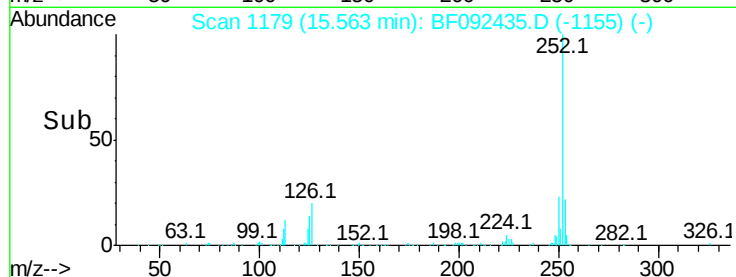
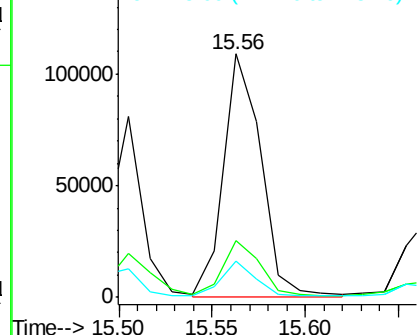
#89
Benzo(a)pyrene
Concen: 8.33 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	14.8	10.0	15.0

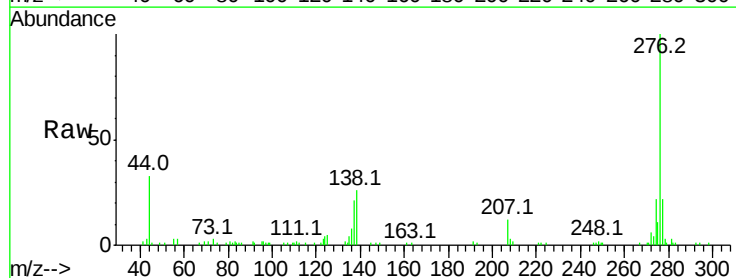


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.62 ng
RT: 17.55 min Scan# 1353
Delta R.T. -0.03 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.6	19.2	28.8
138	25.6	16.0	24.0



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

