

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093934.D
 Acq On : 25 Mar 2017 3:58
 Operator : SJ/MA
 Sample : I2364-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-10

Quant Time: Mar 25 04:46:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	172012	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	636595	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	256596	20.00	ng	-0.03
63) Phenanthrene-d10	11.44	188	372858	20.00	ng	-0.02
75) Chrysene-d12	14.71	240	261538	20.00	ng	0.00
86) Perylene-d12	16.34	264	252752	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.49	112	284620	27.95	ng	-0.02
7) Phenol-d6	5.55	99	660228	52.40	ng	-0.02
23) Nitrobenzene-d5	6.60	82	454864	40.78	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	34389	16.96	ng	-0.03
44) 2-Fluorobiphenyl	8.79	172	753772	44.81	ng	-0.04
78) Terphenyl-d14	13.42	244	419627	35.96	ng	-0.02

Target Compounds

						Qvalue
10) Phenol	5.56	94	38378	2.68	ng	89
17) 2-Methylphenol	6.26	107	23408	2.44	ng	# 93
18) Hexachloroethane	6.55	117	10154	2.27	ng	# 2
20) 3+4-Methylphenols	6.44	107	53366	4.60	ng	# 62
27) 2,4-Dimethylphenol	7.07	122	127184	14.07	ng	98
31) Naphthalene	7.52	128	6863798	224.24	ng	97
32) Benzoic acid	7.23	122	99955	16.61	ng	# 14
33) 4-Chloroaniline	7.52	127	988112	79.65	ng	# 35
35) Caprolactam	8.03	113	12668	4.70	ng	# 1
37) 2-Methylnaphthalene	8.35	142	2414297	118.32	ng	98
45) 1,1'-Biphenyl	8.91	154	857595	41.44	ng	98
48) Acenaphthylene	9.45	152	2776008	103.10	ng	98
49) Dimethylphthalate	9.29	163	110224	6.04	ng	# 99
50) 2,6-Dinitrotoluene	9.25	165	12845	3.07	ng	# 73
51) Acenaphthene	9.65	154	556860	35.44	ng	98
53) 2,4-Dinitrophenol	9.70	184	374	4.82	ng	# 1
54) Dibenzofuran	9.87	168	1155643	54.03	ng	97
55) 4-Nitrophenol	9.92	139	13648	3.55	ng	90
56) 2,4-Dinitrotoluene	9.85	165	14867	2.83	ng	# 64
57) Fluorene	10.30	166	1852340	104.44	ng	99
65) n-Nitrosodiphenylamine	10.44	169	62722	4.86	ng	# 82
70) Phenanthrene	11.50	178	5433877	261.98	ng	99
71) Anthracene	11.55	178	2458009	115.10	ng	100
72) Carbazole	11.73	167	537208	24.53	ng	98
74) Fluoranthene	12.96	202	4124380	194.19	ng	99
77) Pyrene	13.24	202	4740430	249.75	ng	97
80) Benzo(a)anthracene	14.74	228	1699679	111.45	ng	94
81) 3,3'-Dichlorobenzidine	14.76	252	30993	5.69	ng	# 1
82) Chrysene	14.74	228	1699679	120.09	ng	97
85) Indeno(1,2,3-cd)pyrene	17.74	276	776496	63.35	ng	95
87) Benzo(b)fluoranthene	15.94	252	2354560	151.98	ng	# 97
88) Benzo(k)fluoranthene	15.94	252	2354560	155.33	ng	99
89) Benzo(a)pyrene	16.30	252	1567296	109.85	ng	98
90) Dibenzo(a,h)anthracene	17.89	278	151236	12.52	ng	93

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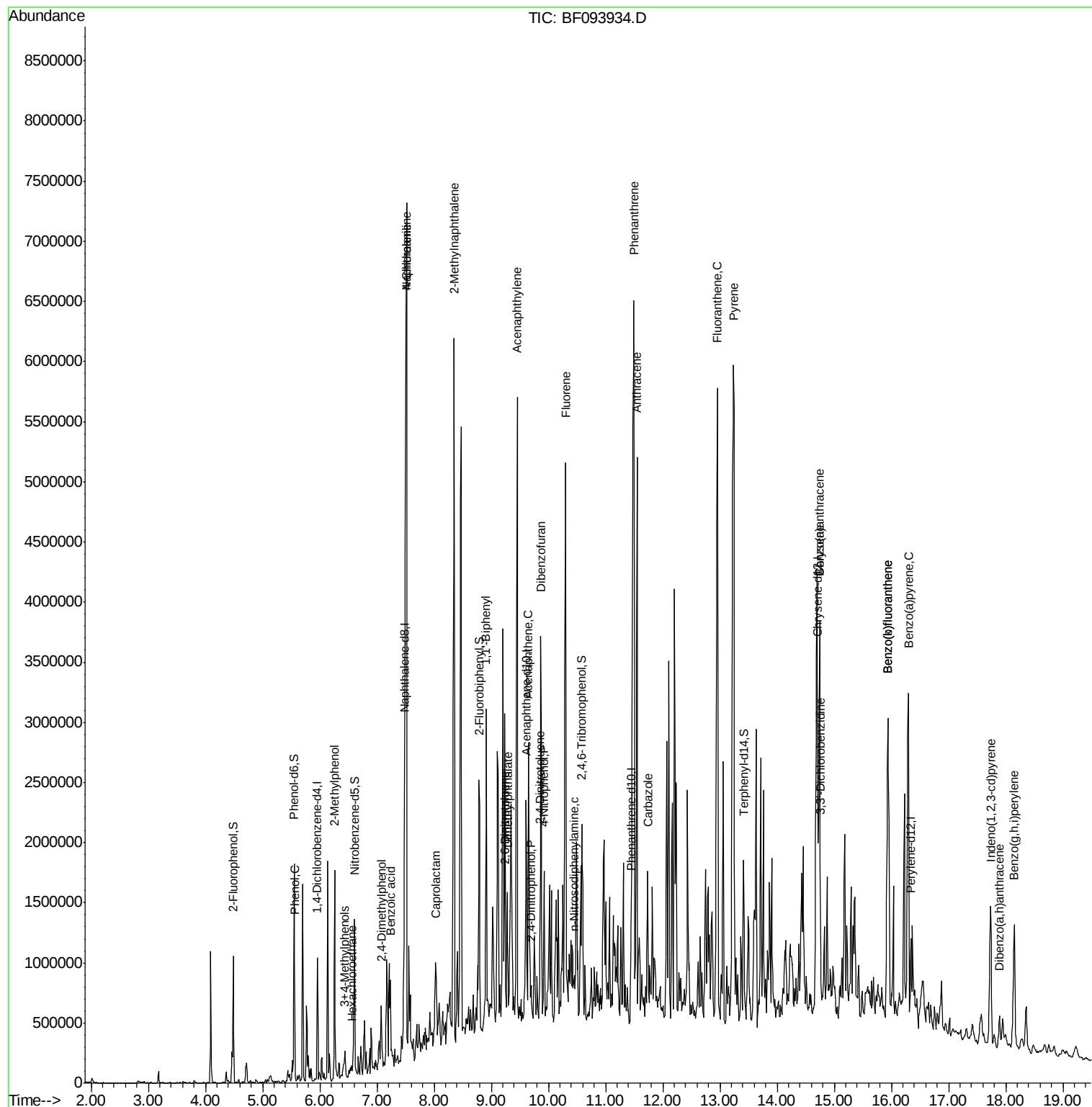
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	18.15	276	858408	70.50	ng	97

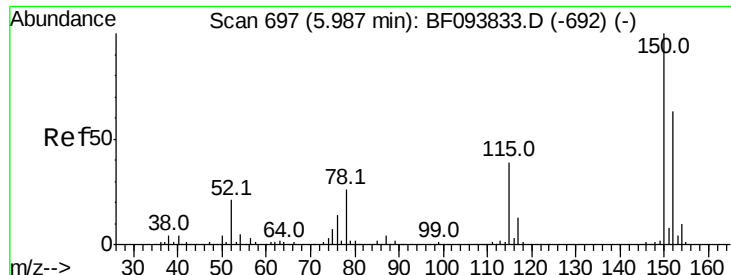
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.96 min Scan# 693

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

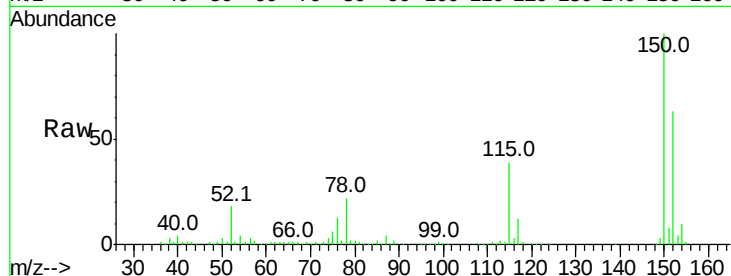
Tot Ion:152 Resp: 172012

Ion Ratio Lower Upper

152 100

150 157.6 126.2 189.2

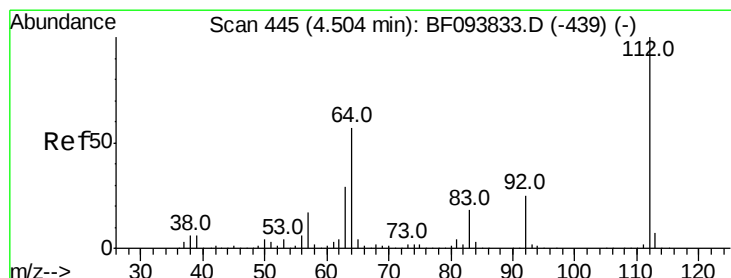
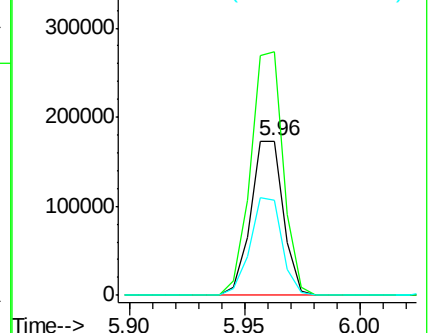
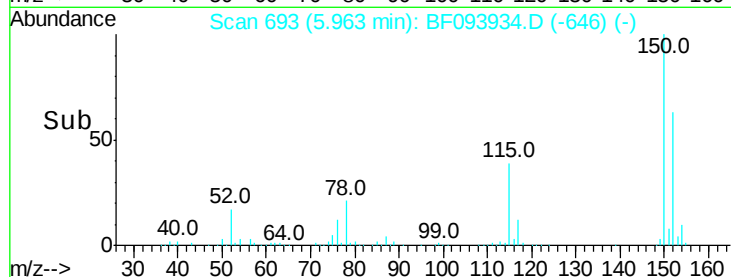
115 61.8 52.2 78.2



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: 27.95 ng

RT: 4.49 min Scan# 442

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

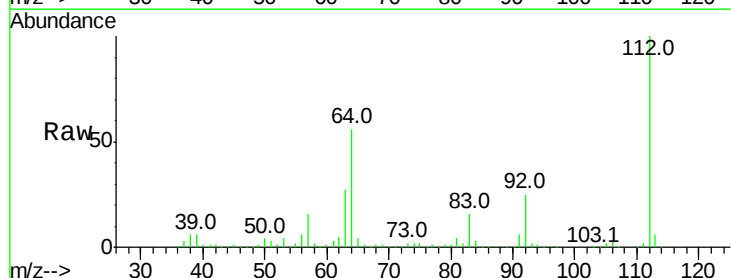
Tgt Ion:112 Resp: 284620

Ion Ratio Lower Upper

112 100

64 55.7 46.0 69.0

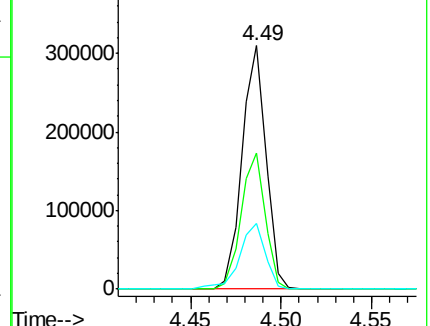
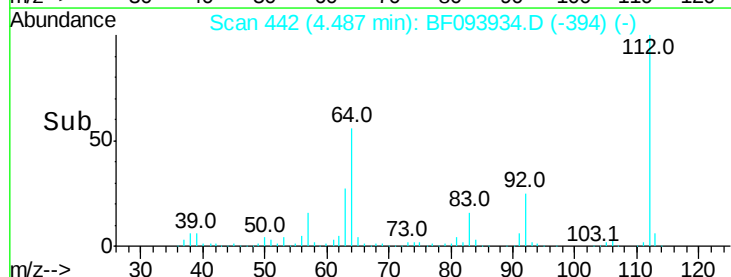
63 27.0 23.4 35.0

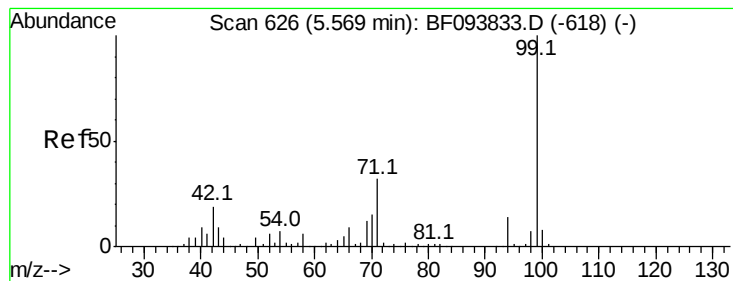


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 52.40 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

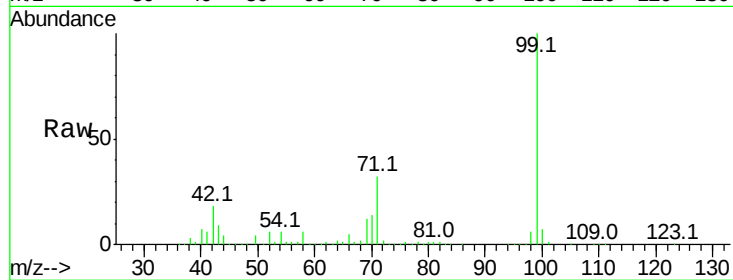
Tot Ion: 99 Resp: 660228

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

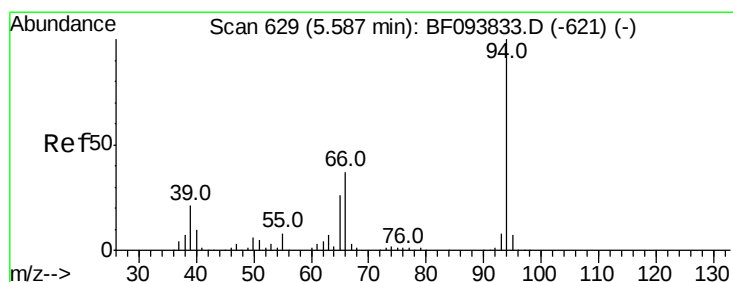
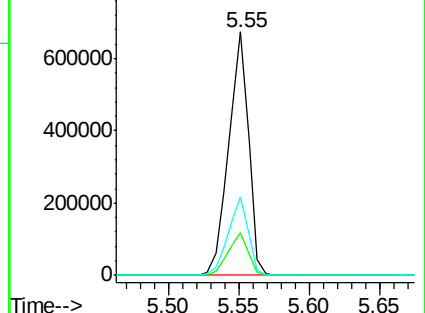
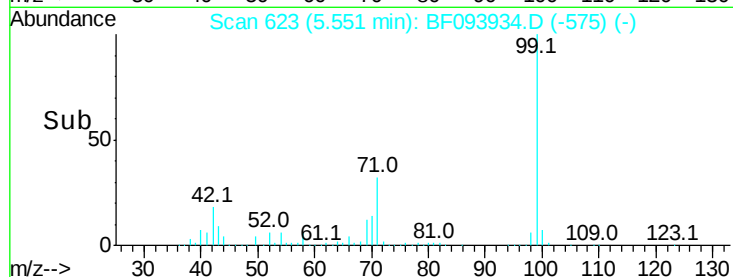
71 32.5 24.5 36.7



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: 2.68 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

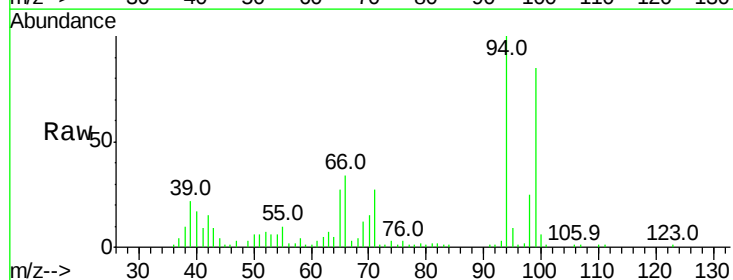
Tgt Ion: 94 Resp: 38378

Ion Ratio Lower Upper

94 100

65 26.7 9.9 49.9

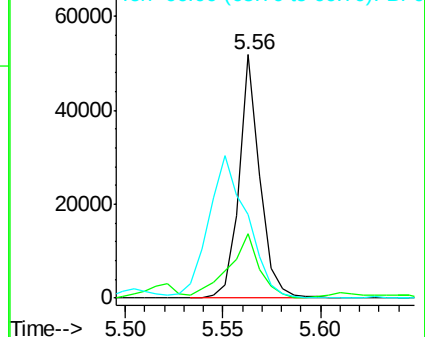
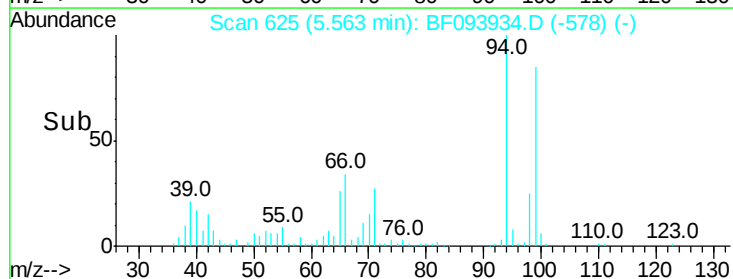
66 34.2 23.1 63.1

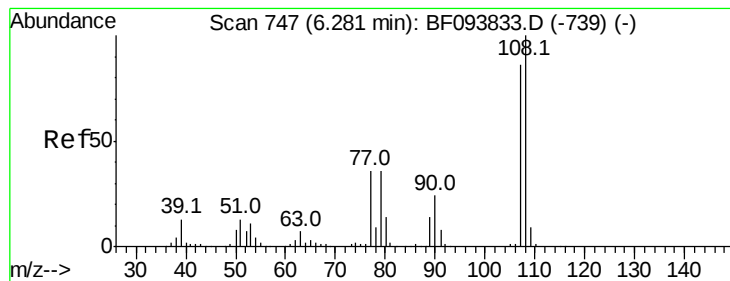


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 2.44 ng

RT: 6.26 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

Tot Ion:107 Resp: 23408

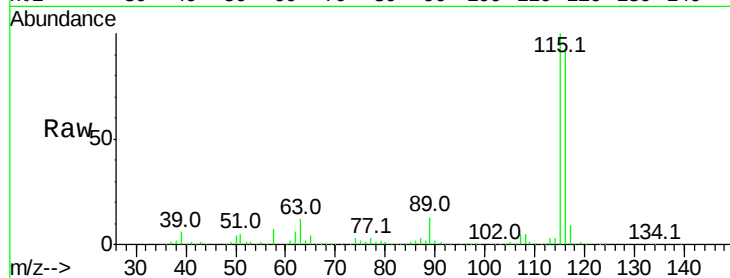
Ion Ratio Lower Upper

107 100

108 110.1 93.4 140.0

77 54.2 35.8 53.6#

79 42.1 34.8 52.2

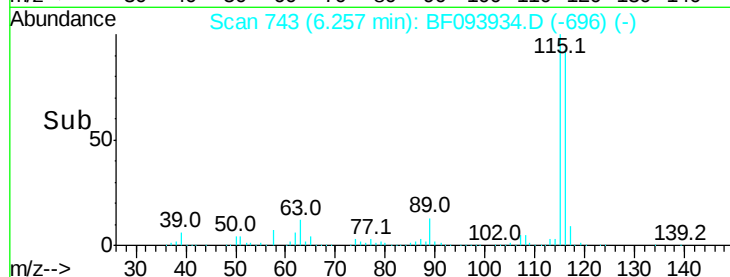


Abundance Ion 107.00 (106.70 to 107.70): E

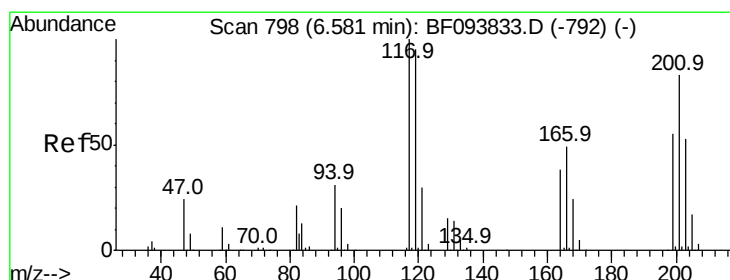
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 2.27 ng

RT: 6.55 min Scan# 793

Delta R.T. -0.03 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

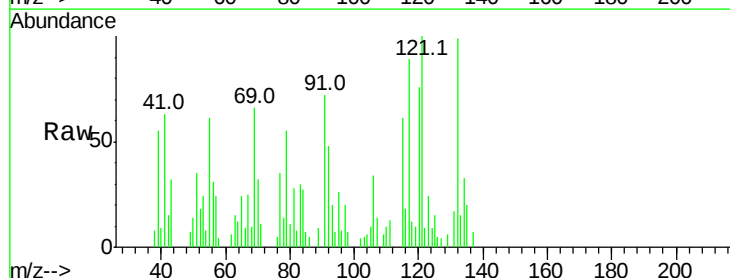
Tgt Ion:117 Resp: 10154

Ion Ratio Lower Upper

117 100

119 11.6 77.4 116.0#

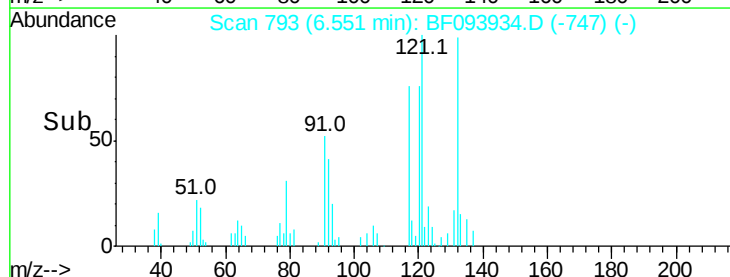
201 0.0 94.6 141.8#



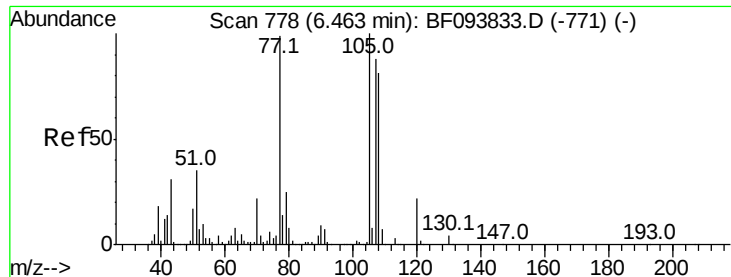
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#20

3+4-Methylphenols

Concen: 4.60 ng

RT: 6.44 min Scan# 774

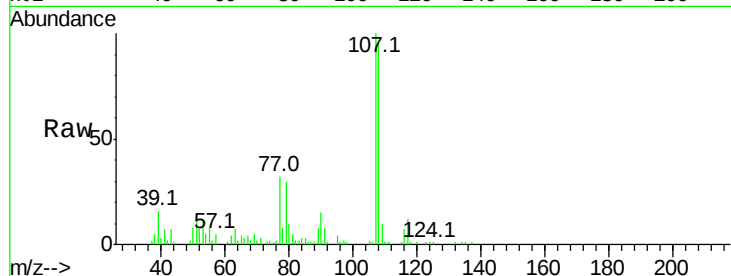
Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :
BNA_F
ClientSampleId :
WC-COMP-10

Tot Ion:	107	Resp:	53366
Ion	Ratio	Lower	Upper
107	100		
108	95.0	71.0	111.0
77	32.0	90.5	130.5#
79	29.9	8.4	48.4

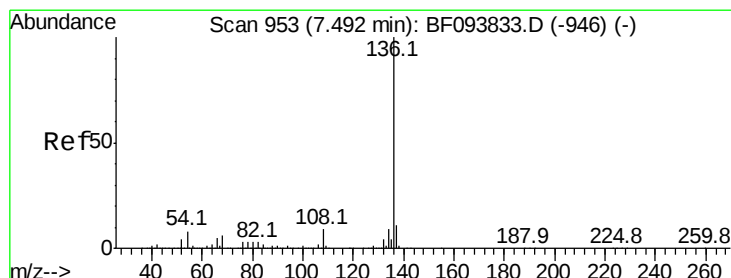
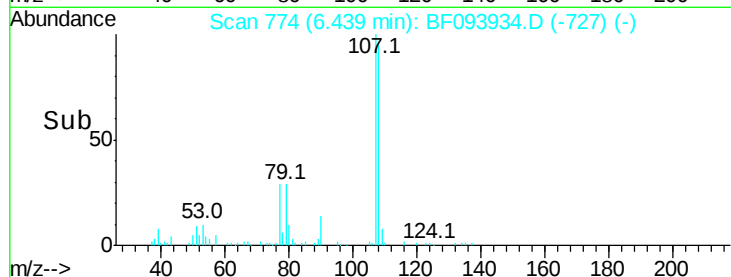
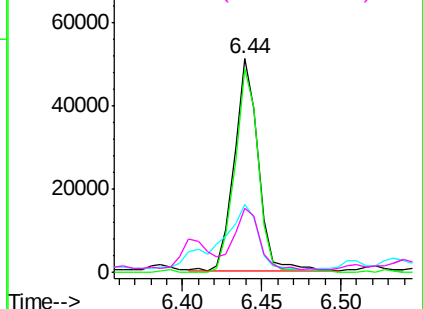


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

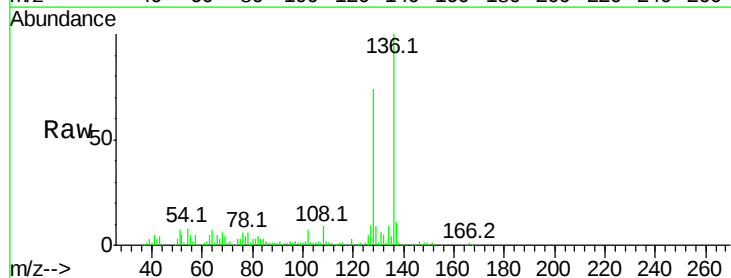
RT: 7.47 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Tgt Ion:	136	Resp:	636595
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.9	4.9	7.3#
68	6.5	4.1	6.1#

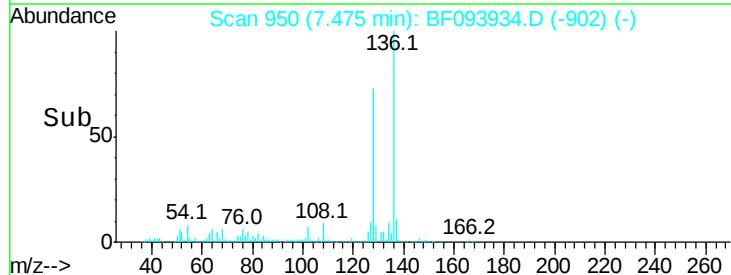
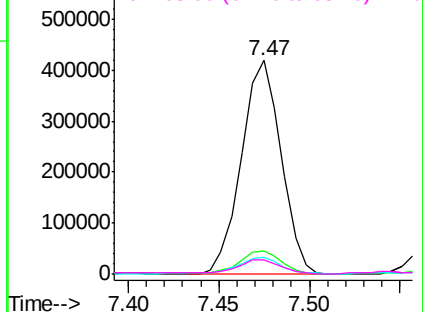


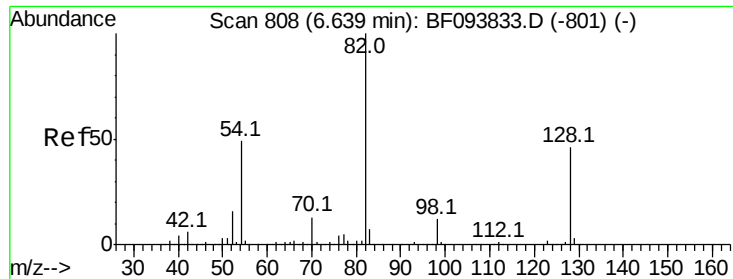
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

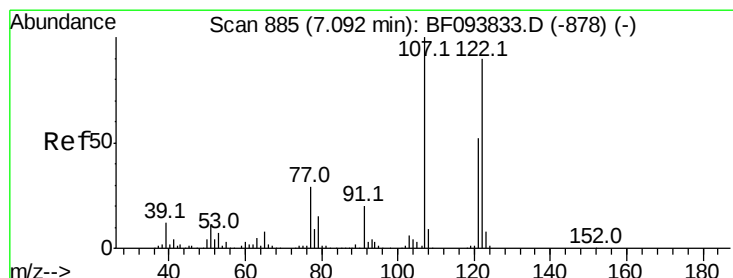
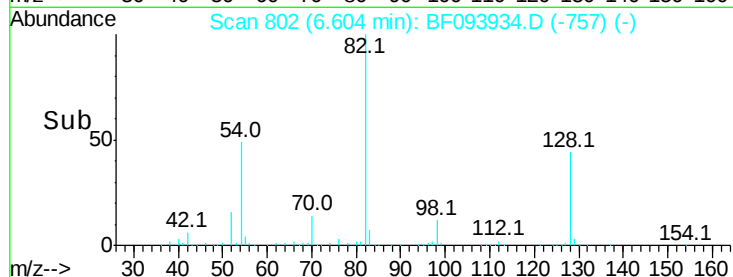
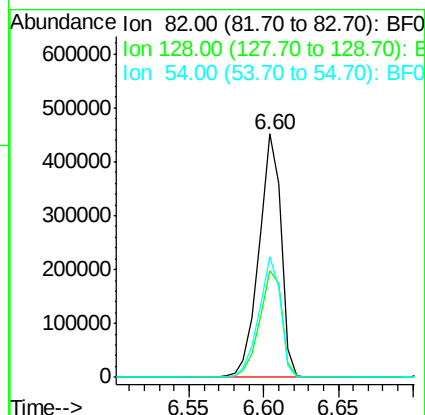
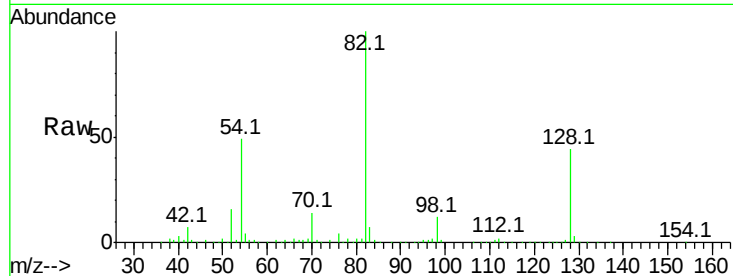




#23
 Nitrobenzene-d5
 Concen: 40.78 ng
 RT: 6.60 min Scan# 802
 Delta R.T. -0.04 min
 Lab File: BF093934.D
 Acq: 25 Mar 2017 3:58

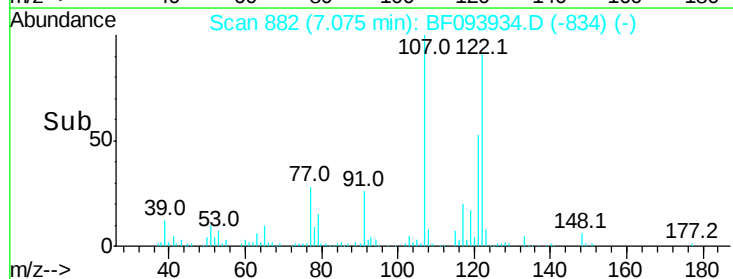
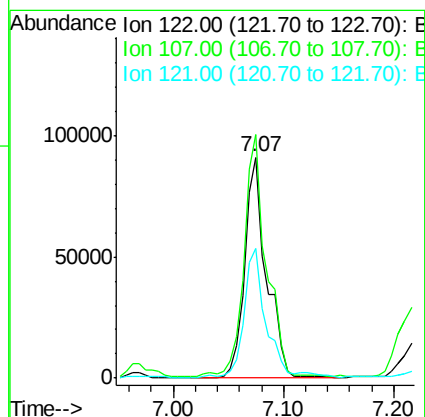
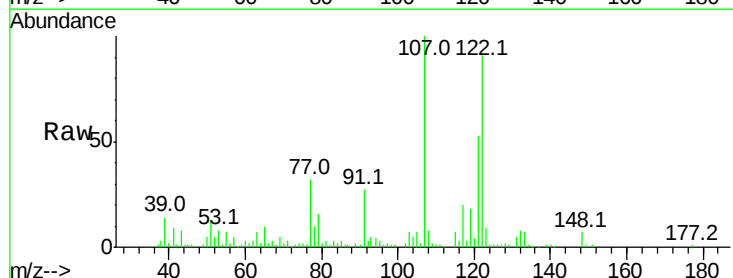
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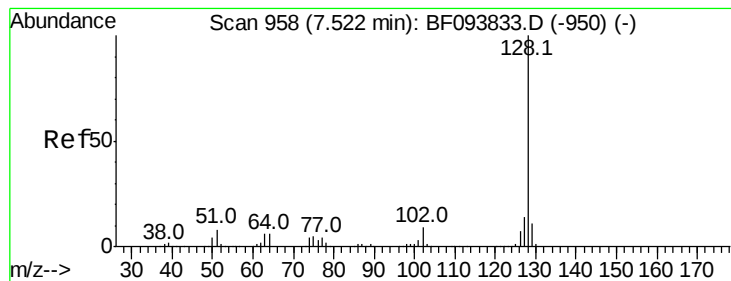
Tot Ion: 82 Resp: 454864
 Ion Ratio Lower Upper
 82 100
 128 43.7 34.0 51.0
 54 49.4 42.2 63.2



#27
 2,4-Dimethylphenol
 Concen: 14.07 ng
 RT: 7.07 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF093934.D
 Acq: 25 Mar 2017 3:58

Tgt Ion: 122 Resp: 127184
 Ion Ratio Lower Upper
 122 100
 107 110.3 89.2 133.8
 121 58.6 45.2 67.8





#31

Naphthalene

Concen: 224.24 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

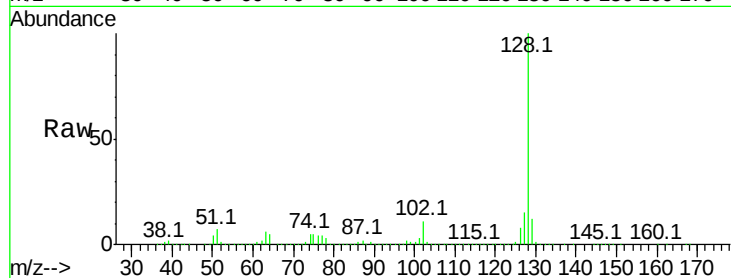
Tot Ion:128 Resp: 6863798

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

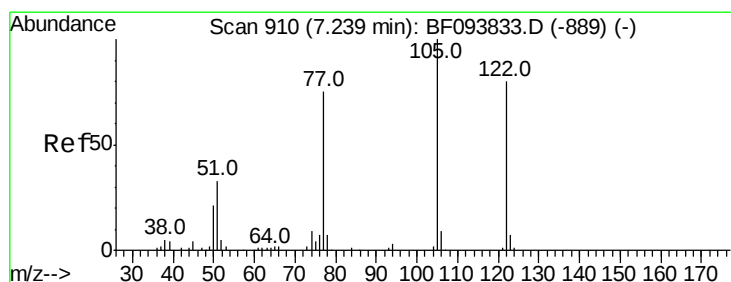
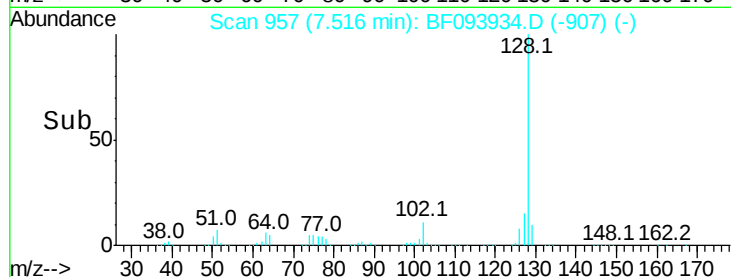
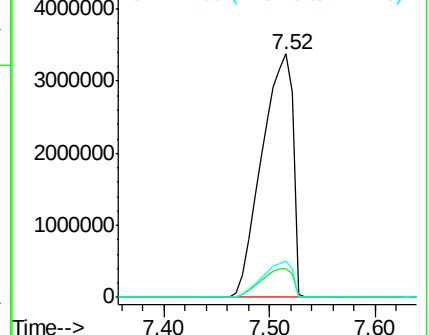
127 14.9 10.8 16.2



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: 16.61 ng

RT: 7.23 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

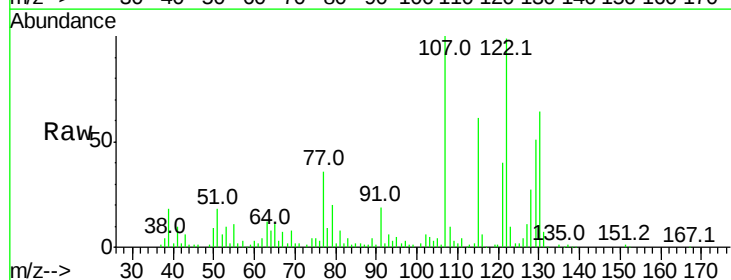
Tgt Ion:122 Resp: 99955

Ion Ratio Lower Upper

122 100

105 3.6 103.3 143.3#

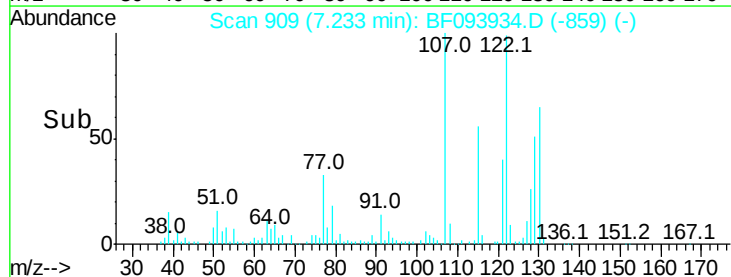
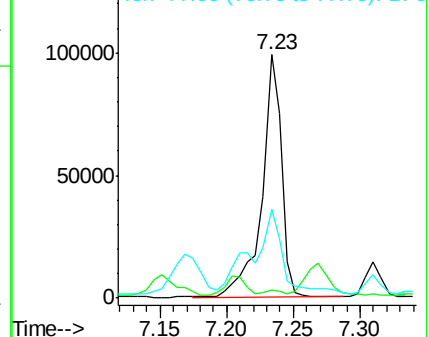
77 36.6 73.7 113.7#

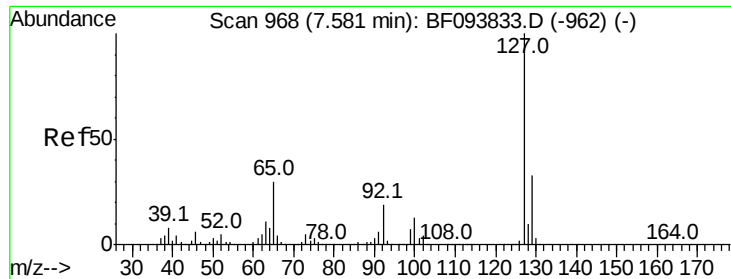


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

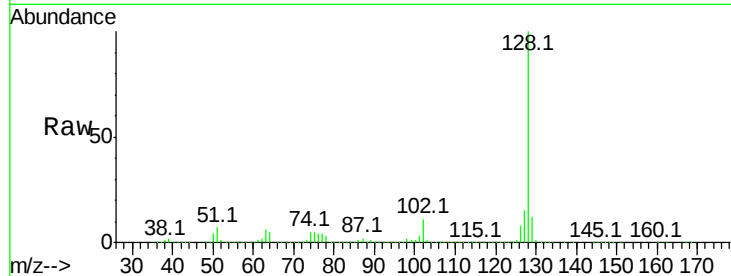




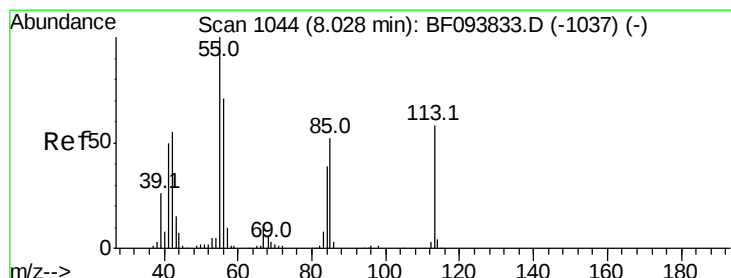
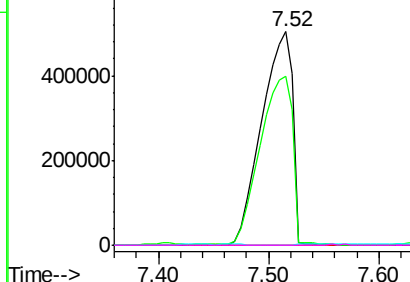
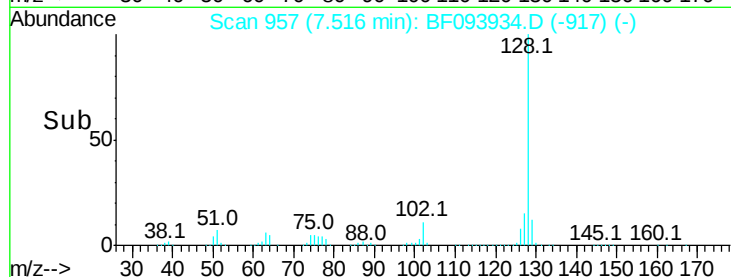
#33
4-Chloroaniline
Concen: 79.65 ng
RT: 7.52 min Scan# 957
Delta R.T. -0.06 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

Instrument :
BNA_F
ClientSampleId :
WC-COMP-10

Tot Ion:127 Resp: 988112
Ion Ratio Lower Upper
127 100
129 79.1 26.2 39.2#
65 0.0 27.8 41.8#
92 0.1 16.8 25.2#

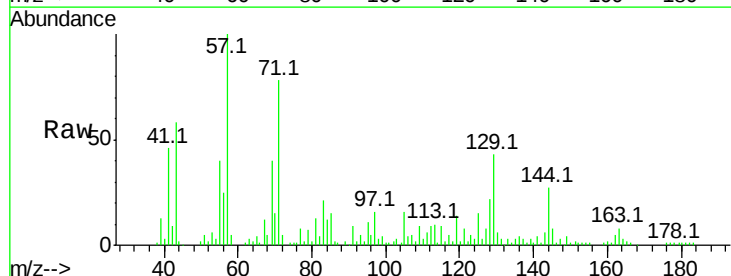


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

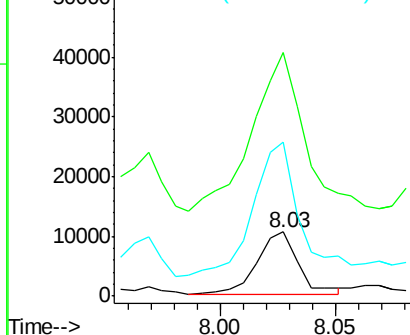
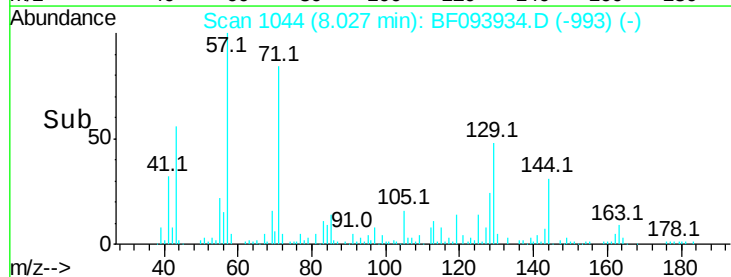


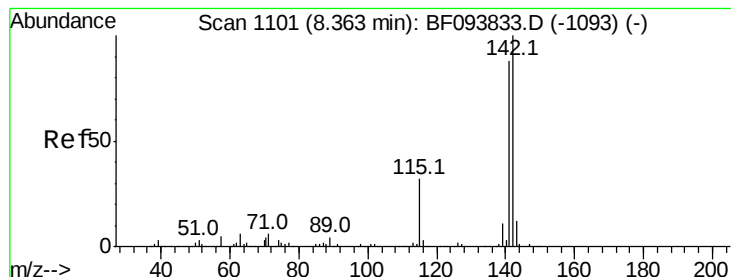
#35
Caprolactam
Concen: 4.70 ng
RT: 8.03 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

Tgt Ion:113 Resp: 12668
Ion Ratio Lower Upper
113 100
55 378.8 150.2 190.2#
56 240.3 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





#37

2-Methylnaphthalene

Concen: 118.32 ng

RT: 8.35 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

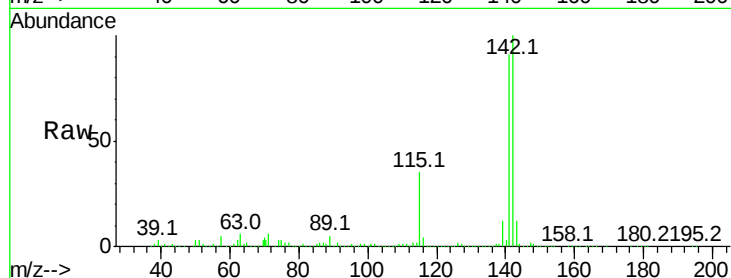
Tot Ion:142 Resp: 2414297

Ion Ratio Lower Upper

142 100

141 90.5 71.3 106.9

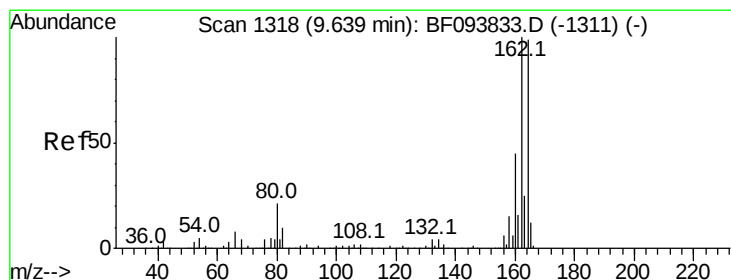
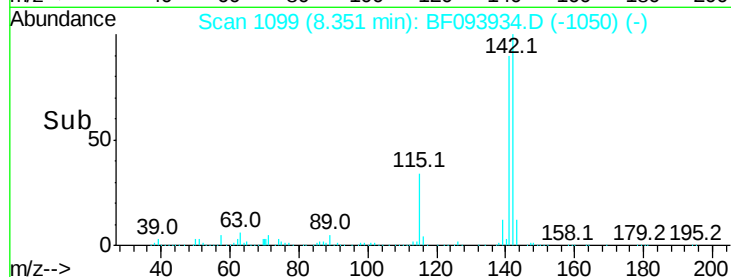
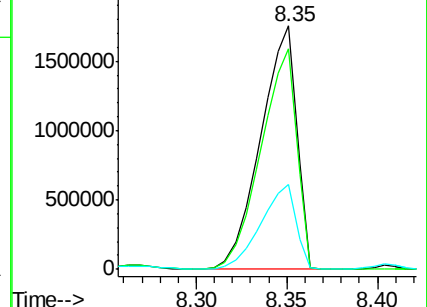
115 35.0 27.1 40.7



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: 9.61 min Scan# 1313

Delta R.T. -0.03 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

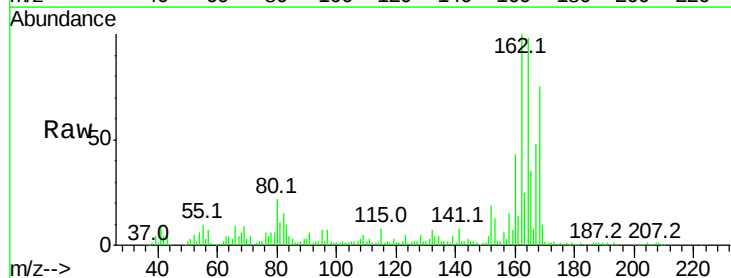
Tgt Ion:164 Resp: 256596

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

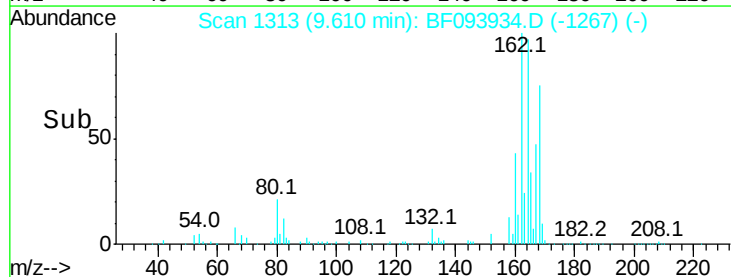
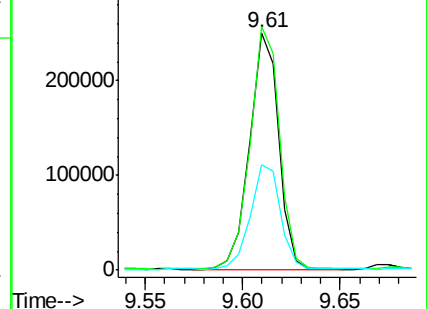
160 44.3 36.2 54.2

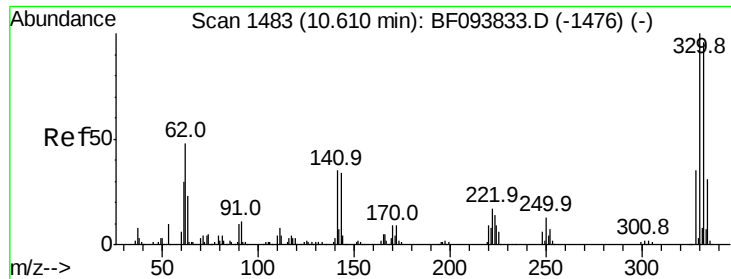


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

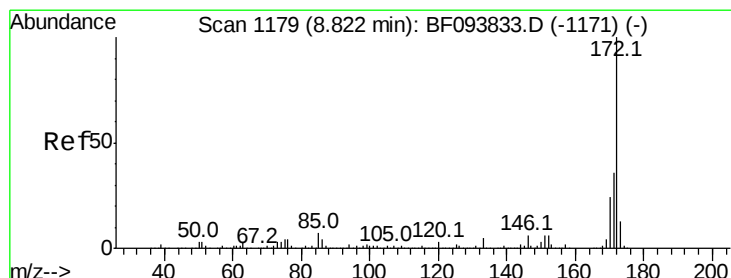
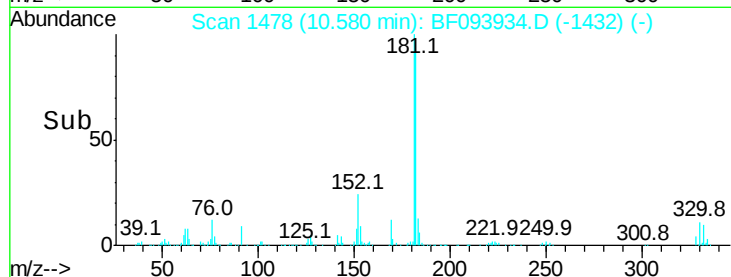
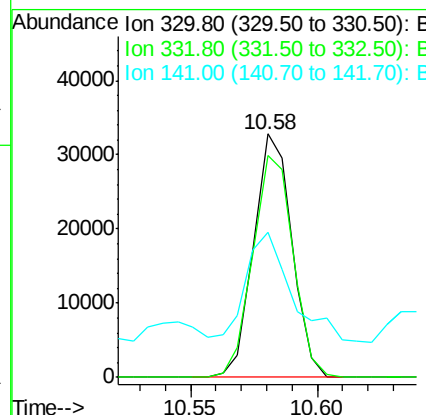
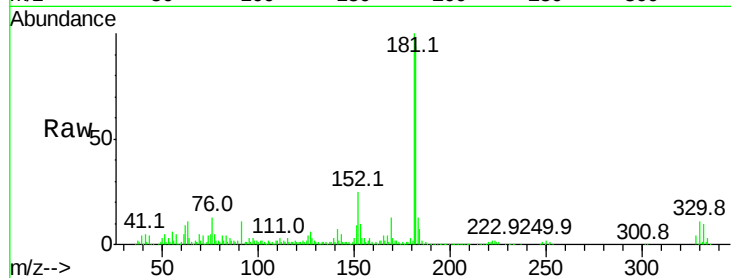




#41
 2,4,6-Tribromophenol
 Concen: 16.96 ng
 RT: 10.58 min Scan# 1478
 Delta R.T. -0.03 min
 Lab File: BF093934.D
 Acq: 25 Mar 2017 3:58

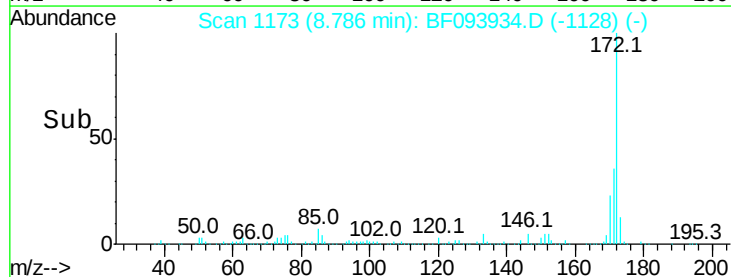
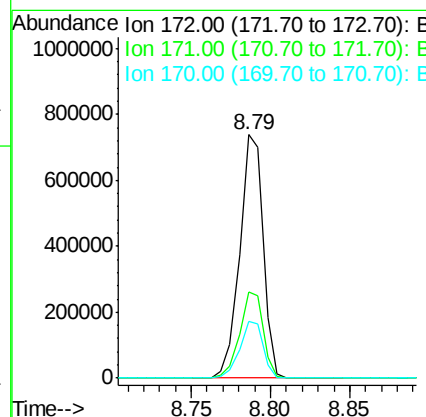
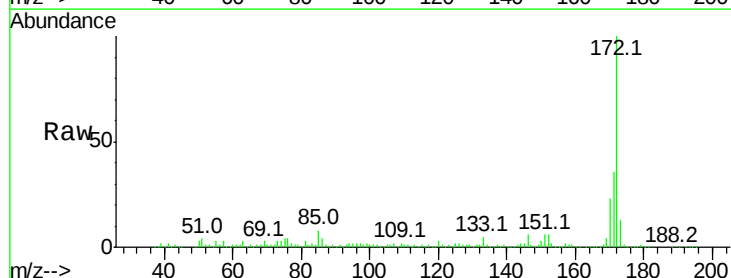
Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-10

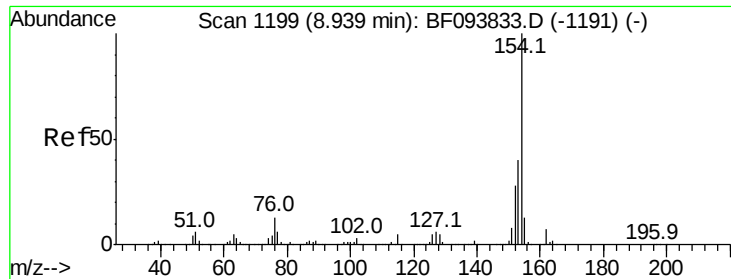
Tot Ion:330 Resp: 34389
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 53.2 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 44.81 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: BF093934.D
 Acq: 25 Mar 2017 3:58

Tgt Ion:172 Resp: 753772
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.4 19.8 29.8





#45

1,1'-Biphenyl

Concen: 41.44 ng

RT: 8.91 min Scan# 1194

Delta R.T. -0.03 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

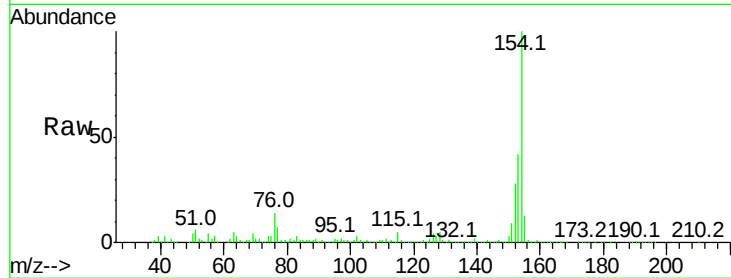
Tot Ion:154 Resp: 857595

Ion Ratio Lower Upper

154 100

153 41.5 21.2 61.2

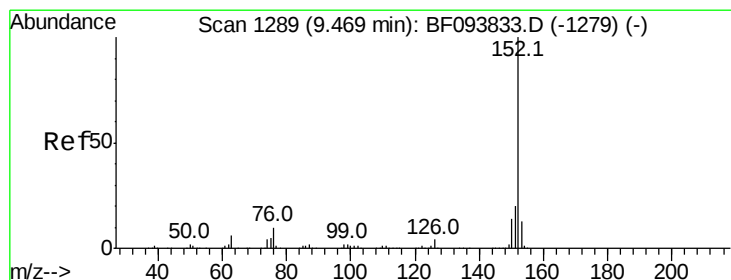
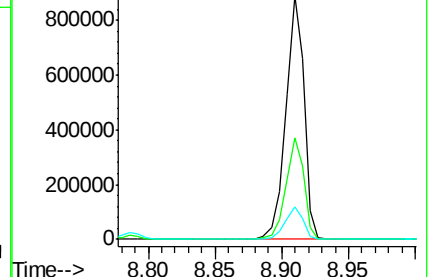
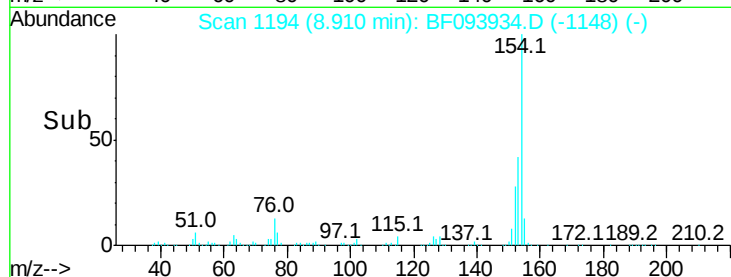
76 13.6 0.0 29.9



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



#48

Acenaphthylene

Concen: 103.10 ng

RT: 9.45 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

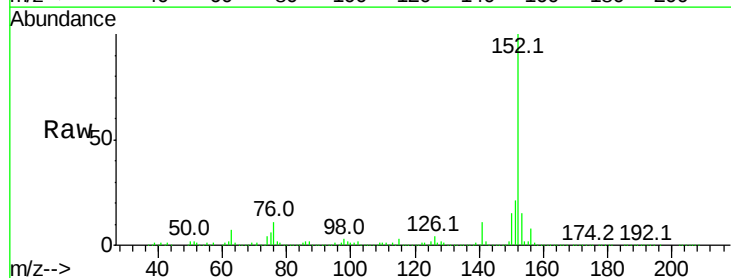
Tgt Ion:152 Resp: 2776008

Ion Ratio Lower Upper

152 100

151 21.3 16.8 25.2

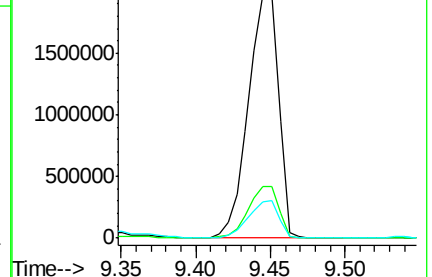
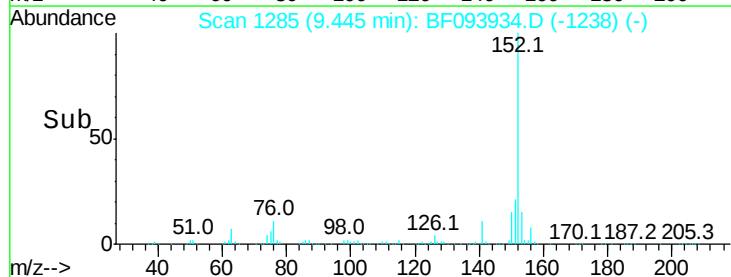
153 15.1 10.8 16.2

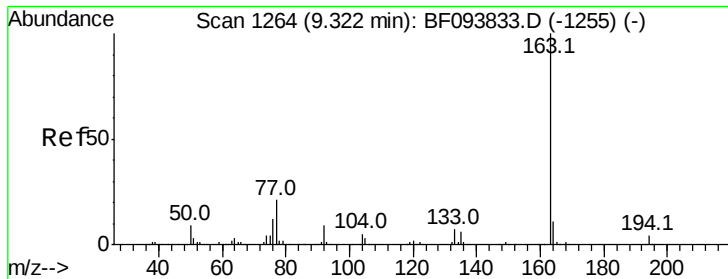


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

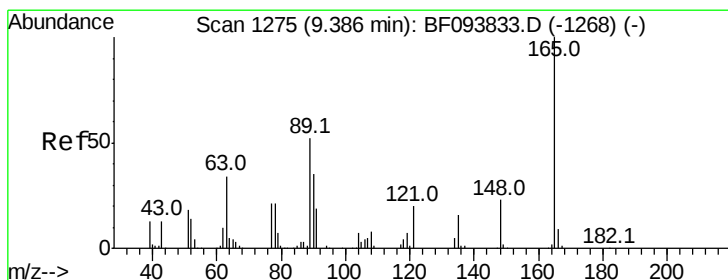
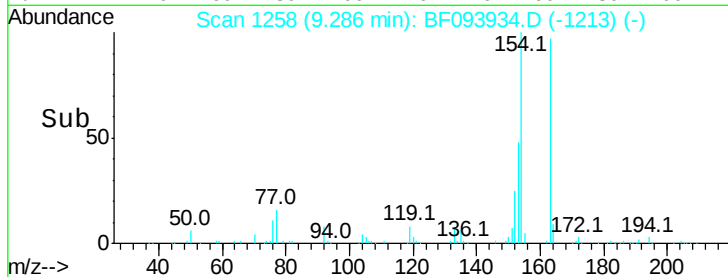
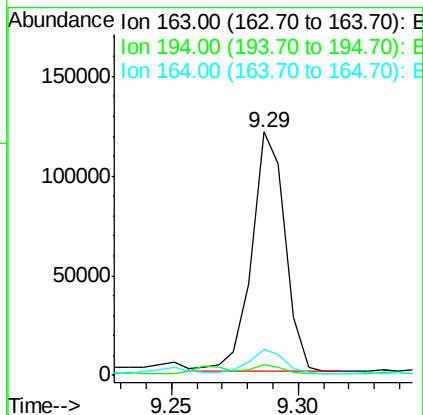
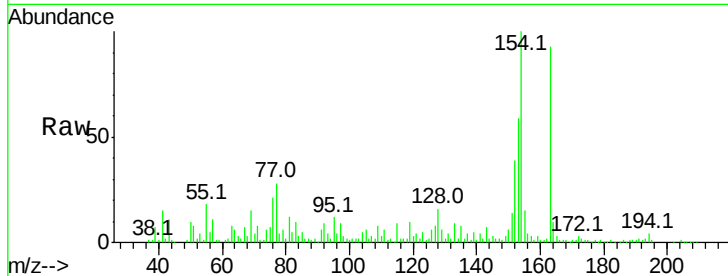




#49
Dimethylphthalate
Concen: 6.04 ng
RT: 9.29 min Scan# 1258
Delta R.T. -0.04 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

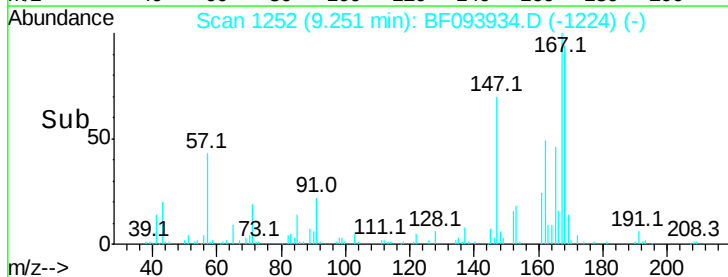
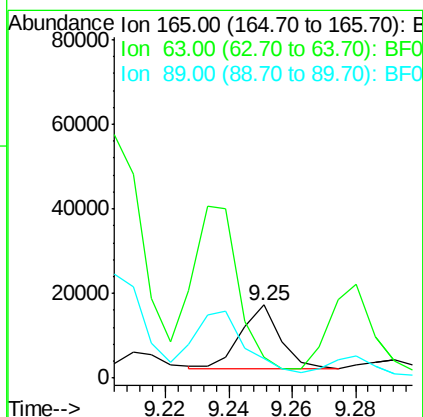
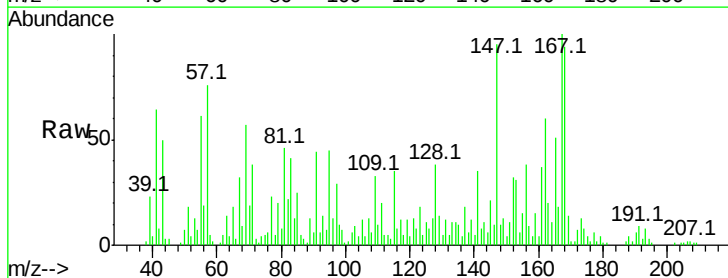
Instrument :
BNA_F
ClientSampleId :
WC-COMP-10

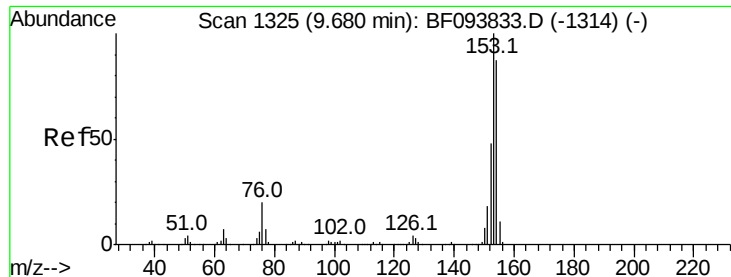
Tot Ion:163 Resp: 110224
Ion Ratio Lower Upper
163 100
194 4.5 2.6 4.0#
164 10.5 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 3.07 ng
RT: 9.25 min Scan# 1252
Delta R.T. -0.14 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

Tgt Ion:165 Resp: 12845
Ion Ratio Lower Upper
165 100
63 28.3 34.3 51.5#
89 26.2 37.1 55.7#





#51

Acenaphthene

Concen: 35.44 ng

RT: 9.65 min Scan# 1320

Delta R.T. -0.03 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

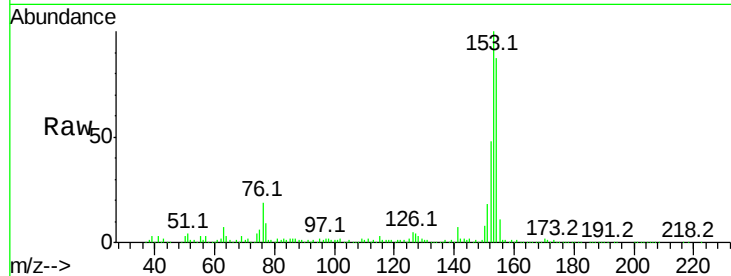
Tot Ion:154 Resp: 556860

Ion Ratio Lower Upper

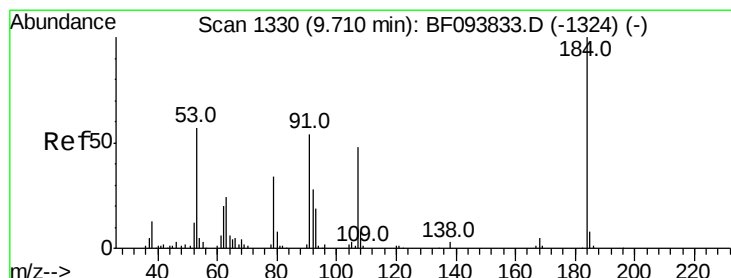
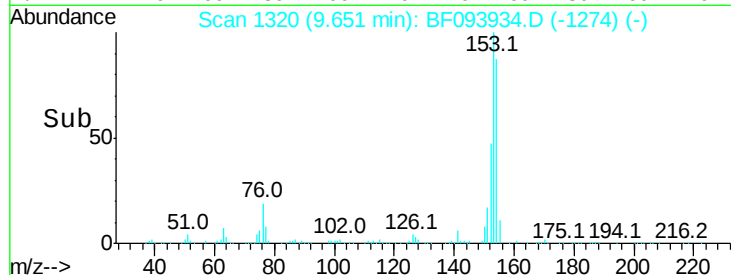
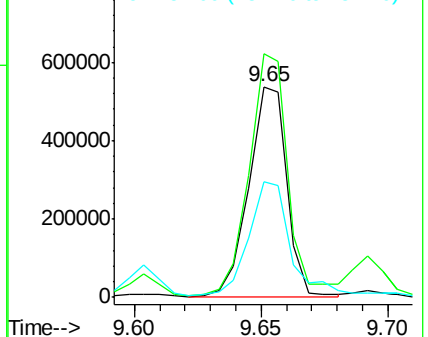
154 100

153 115.6 90.5 135.7

152 55.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.82 ng

RT: 9.70 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

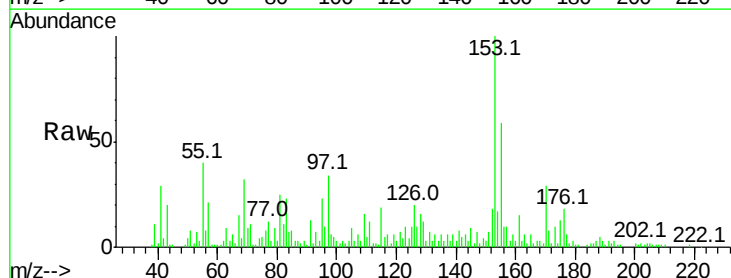
Tgt Ion:184 Resp: 374

Ion Ratio Lower Upper

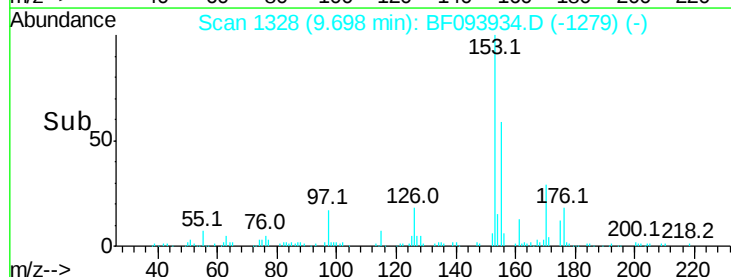
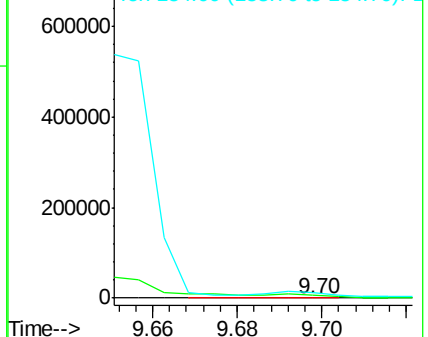
184 100

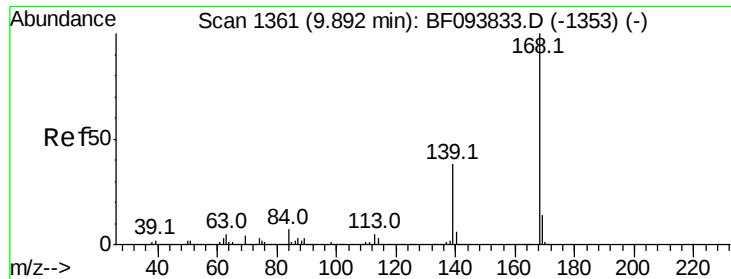
63 1565.8 62.7 94.1#

154 2933.2 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

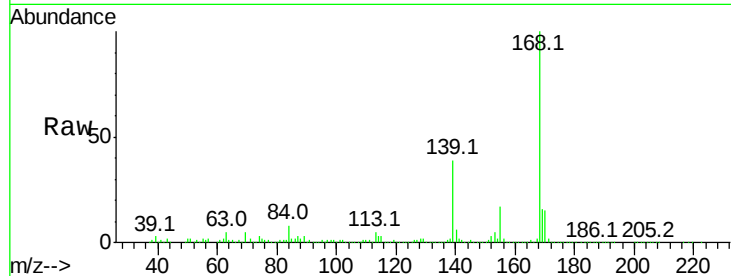




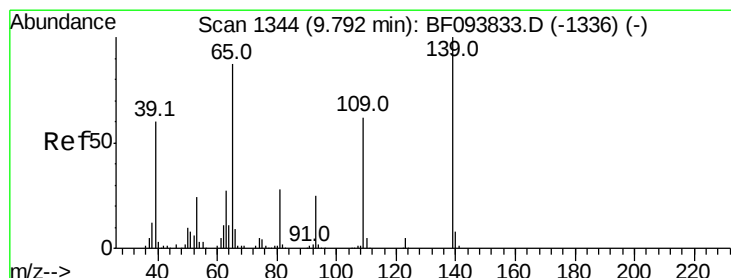
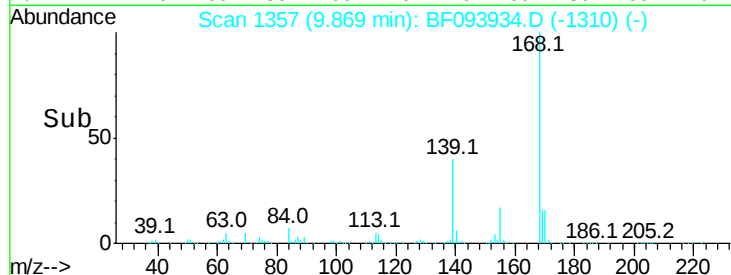
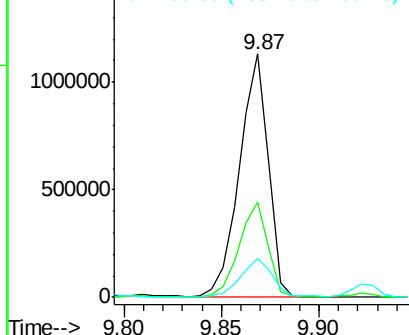
#54
Dibenzofuran
Concen: 54.03 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.02 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

Instrument :
BNA_F
ClientSampleId :
WC-COMP-10

Tot Ion:168 Resp: 1155643
Ion Ratio Lower Upper
168 100
139 38.9 30.6 45.8
169 16.1 10.8 16.2

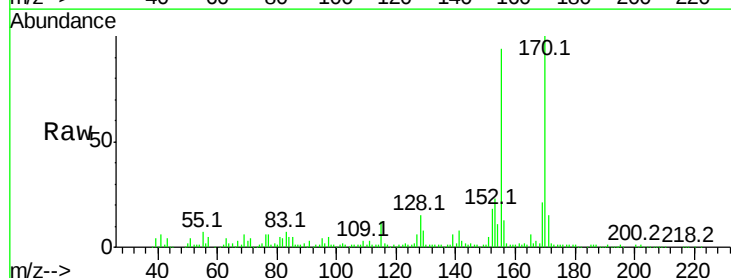


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

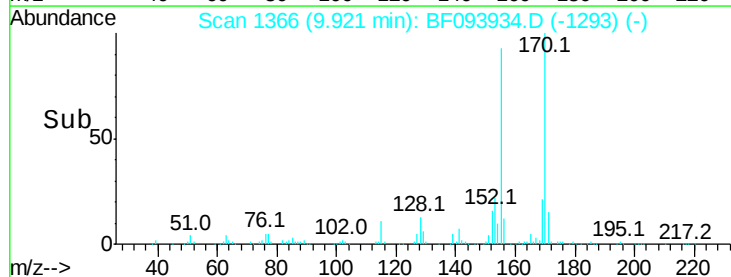
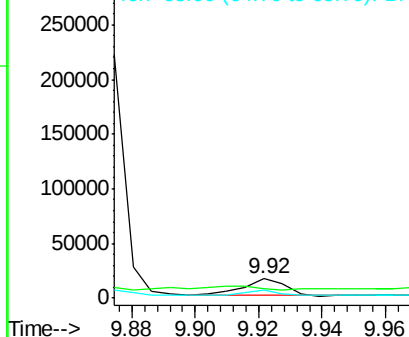


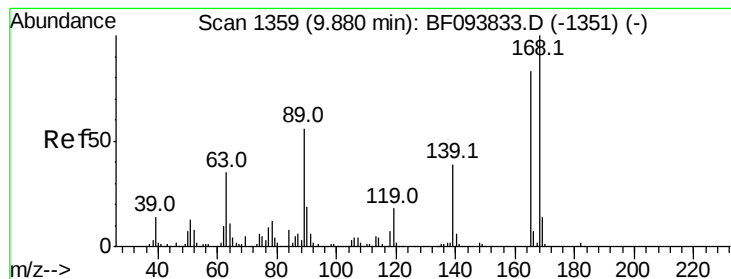
#55
4-Nitrophenol
Concen: 3.55 ng
RT: 9.92 min Scan# 1366
Delta R.T. 0.13 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

Tgt Ion:139 Resp: 13648
Ion Ratio Lower Upper
139 100
109 51.7 34.1 74.1
65 40.0 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: 2.83 ng

RT: 9.85 min Scan# 1354

Delta R.T. -0.03 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

Tot Ion:165 Resp: 14867

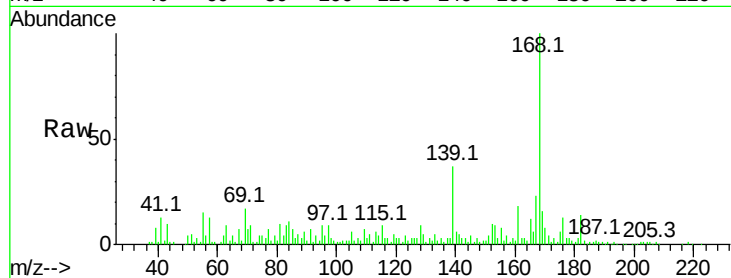
Ion Ratio Lower Upper

165 100

63 72.8 25.4 38.0#

89 54.5 46.4 69.6

182 114.3 1.8 2.6#

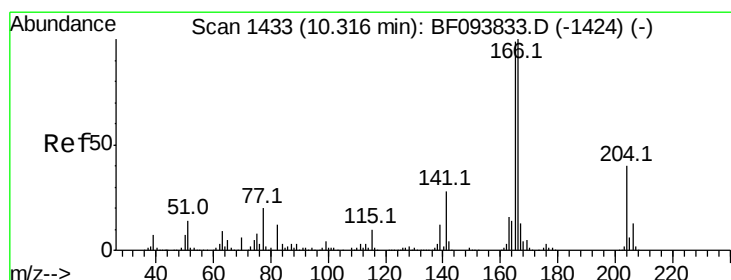
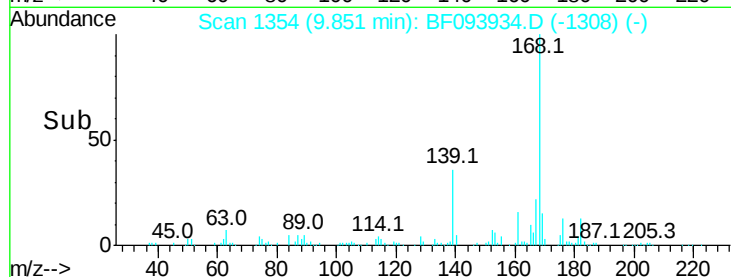
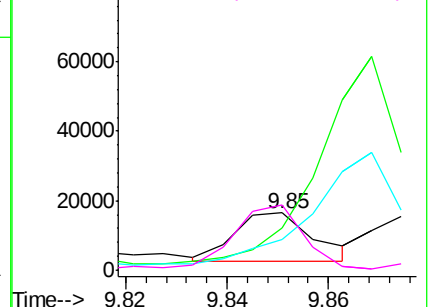


Abundance Ion 165.00 (164.70 to 165.70): E

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: 104.44 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

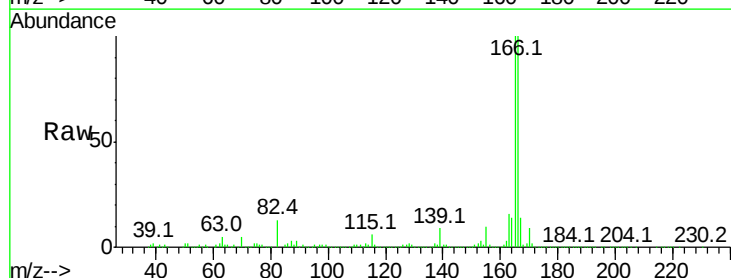
Tgt Ion:166 Resp: 1852340

Ion Ratio Lower Upper

166 100

165 99.5 78.8 118.2

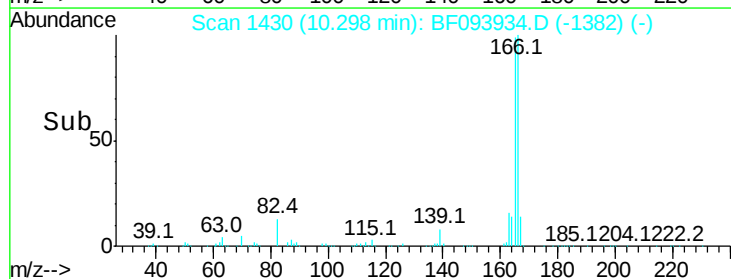
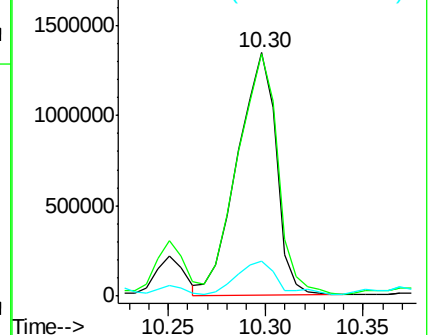
167 14.4 10.6 16.0

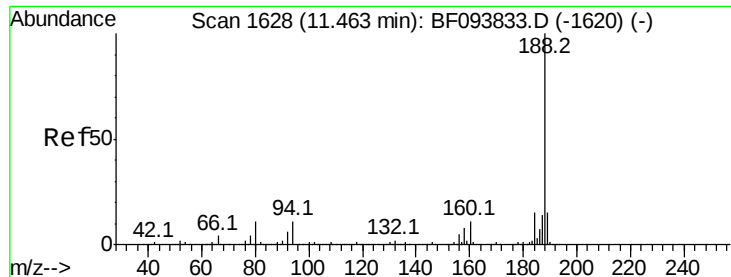


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

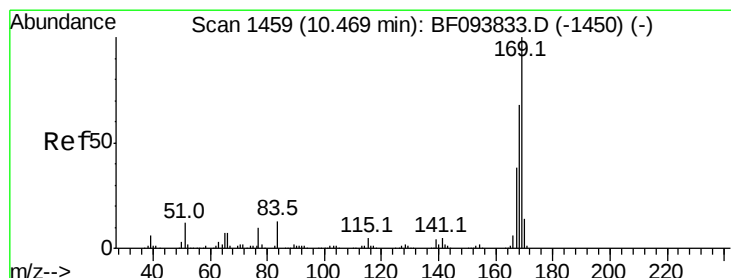
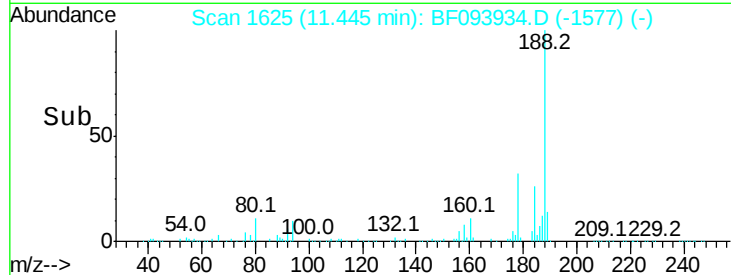
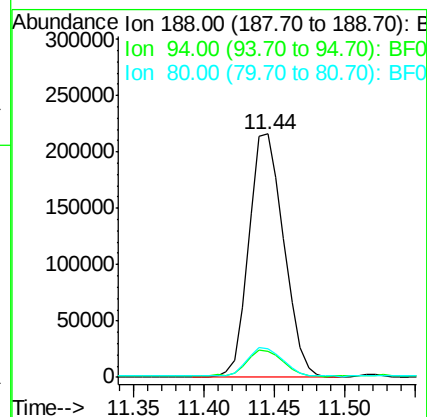
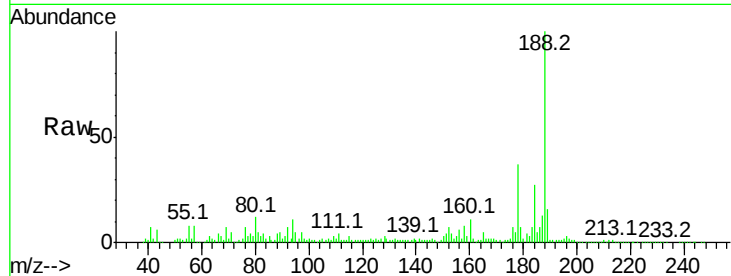




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1625
Delta R.T. -0.02 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

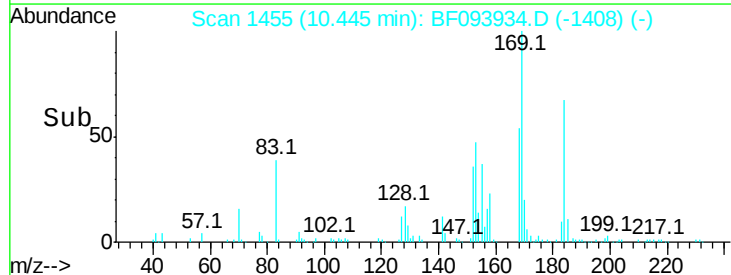
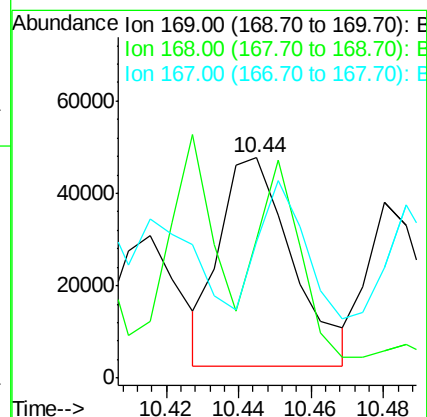
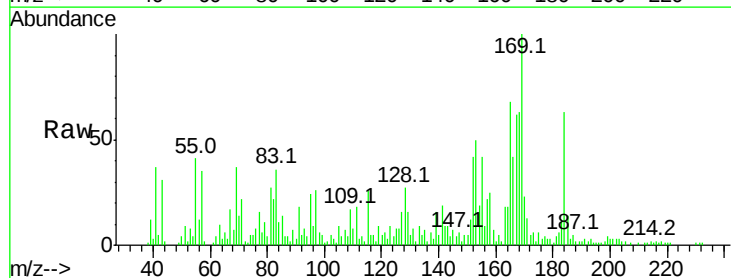
Instrument :
BNA_F
ClientSampleId :
WC-COMP-10

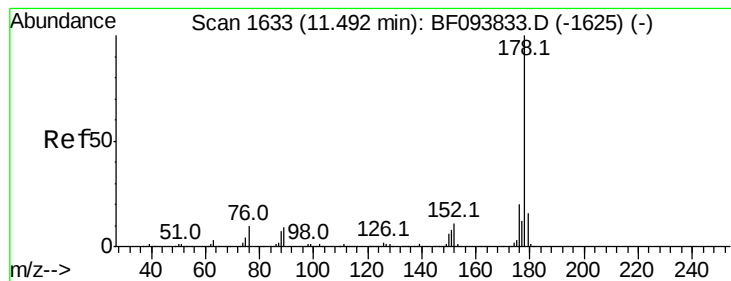
Tot Ion:188 Resp: 372858
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.7 10.2 15.2



#65
n-Nitrosodiphenylamine
Concen: 4.86 ng
RT: 10.44 min Scan# 1455
Delta R.T. -0.02 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

Tgt Ion:169 Resp: 62722
Ion Ratio Lower Upper
169 100
168 62.9 53.2 79.8
167 61.9 29.5 44.3#





#70

Phenanthrene

Concen: 261.98 ng

RT: 11.50 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

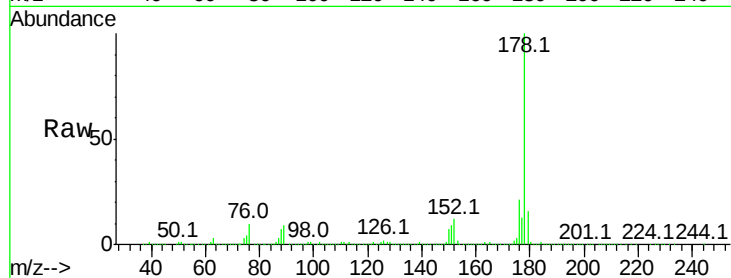
Tot Ion:178 Resp: 5433877

Ion Ratio Lower Upper

178 100

176 20.5 16.2 24.4

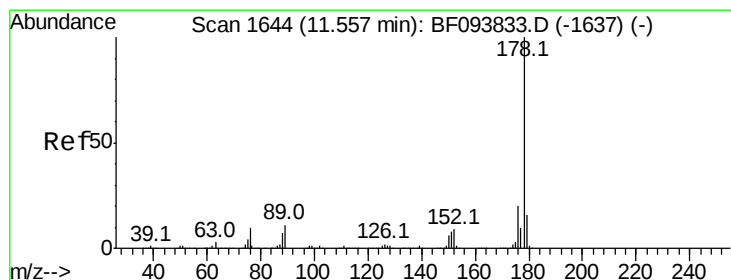
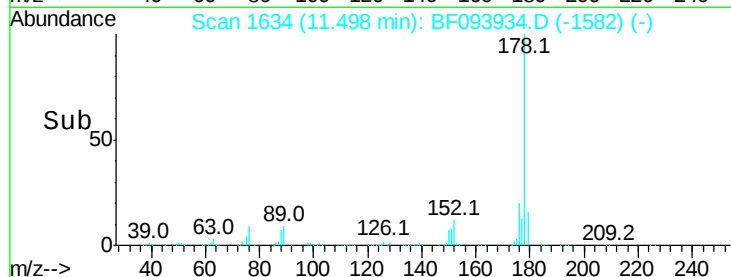
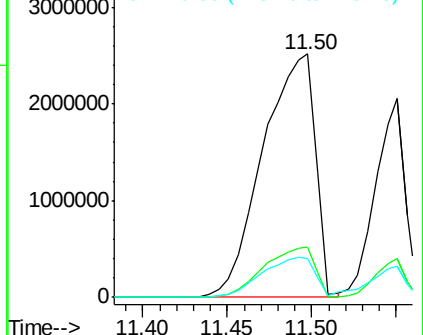
179 16.2 12.6 19.0



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: 115.10 ng

RT: 11.55 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

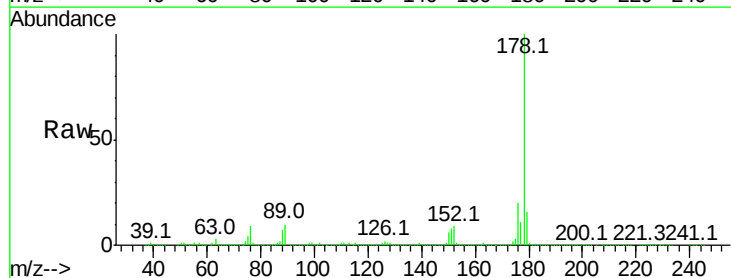
Tgt Ion:178 Resp: 2458009

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

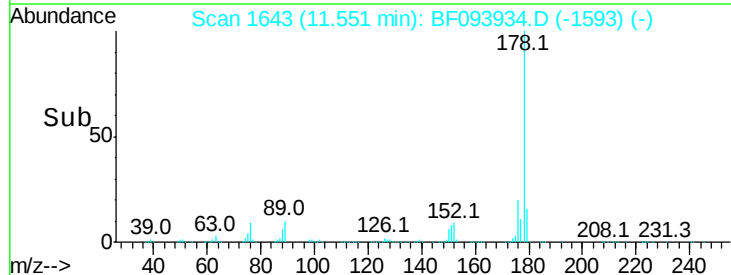
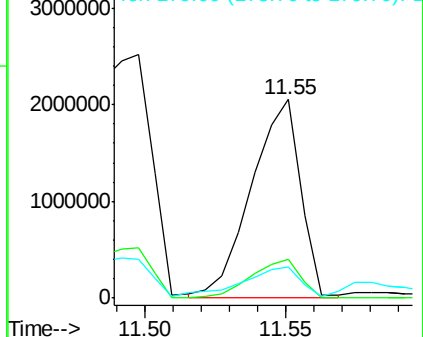
179 16.0 12.7 19.1

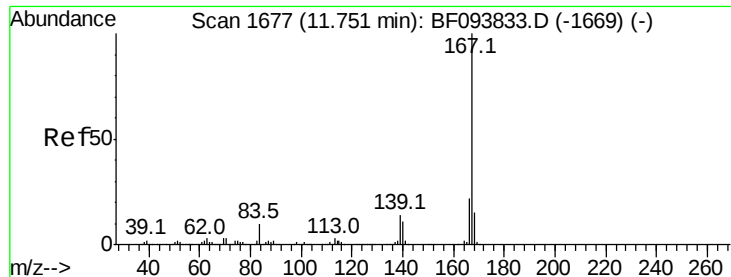


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 24.53 ng

RT: 11.73 min Scan# 1674

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

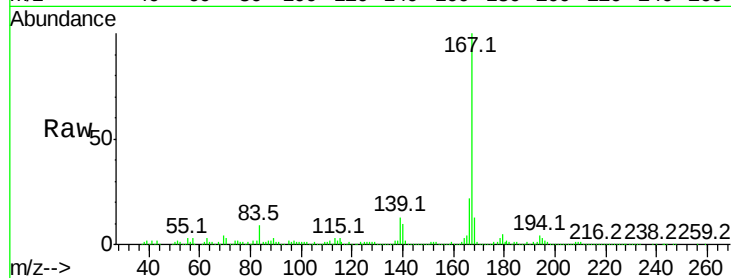
Tot Ion:167 Resp: 537208

Ion Ratio Lower Upper

167 100

166 22.5 18.1 27.1

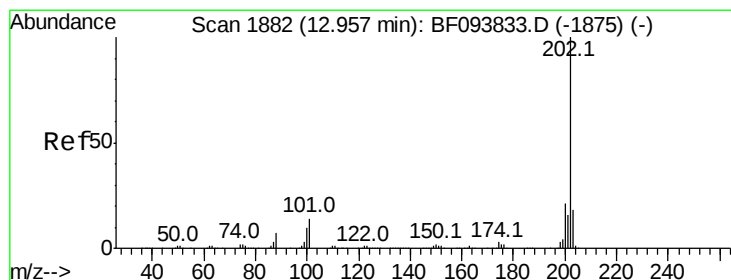
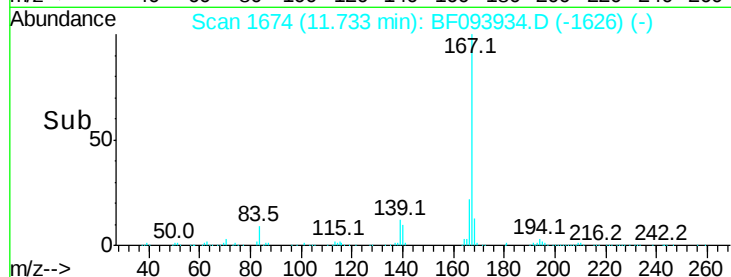
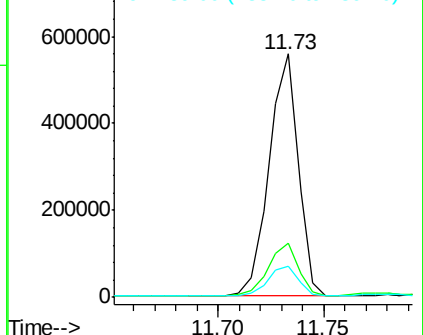
139 12.8 11.7 17.5



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: 194.19 ng

RT: 12.96 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

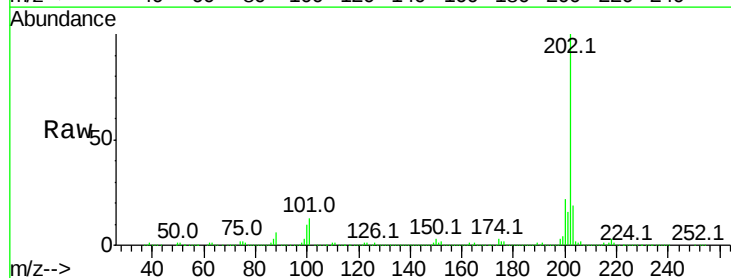
Tgt Ion:202 Resp: 4124380

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

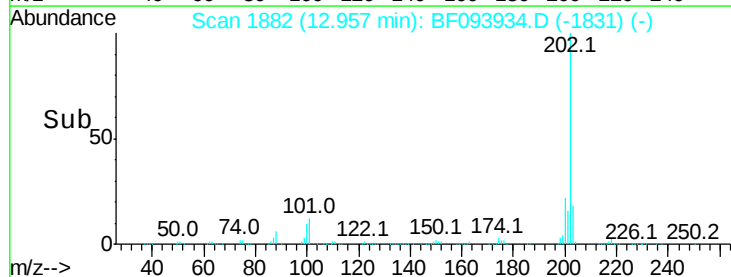
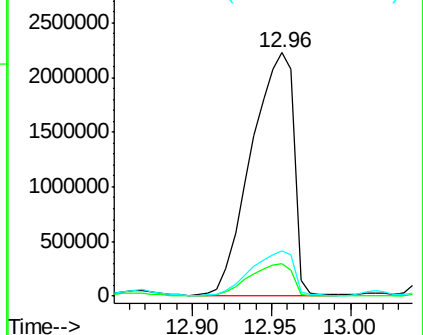
203 18.5 0.0 38.1

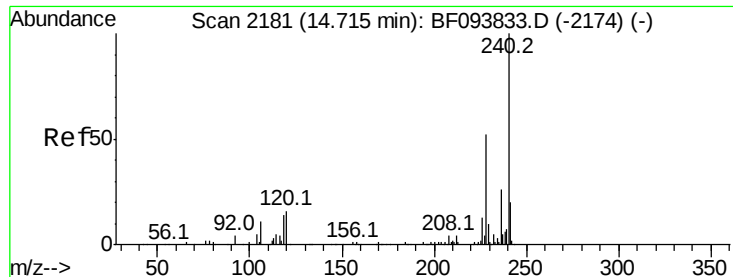


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

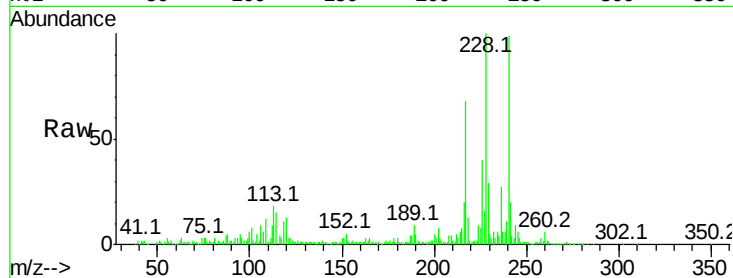
Tot Ion:240 Resp: 261538

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

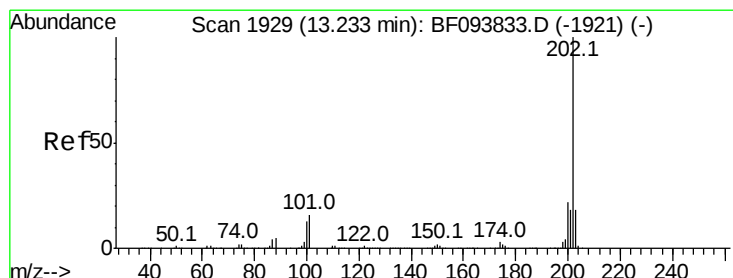
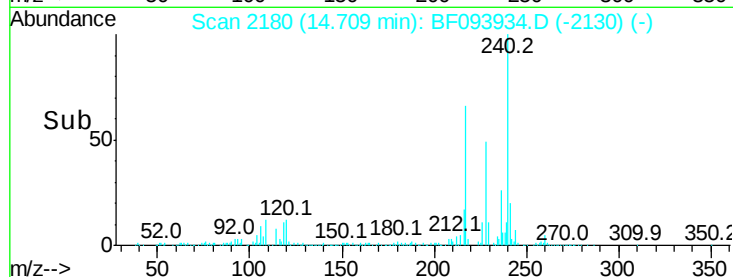
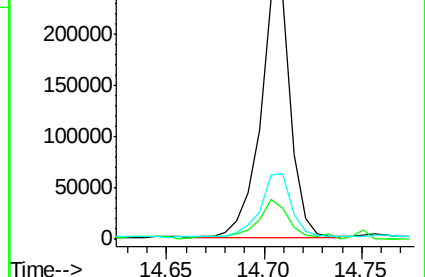
236 27.0 20.5 30.7



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: 249.75 ng

RT: 13.24 min Scan# 1930

Delta R.T. 0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

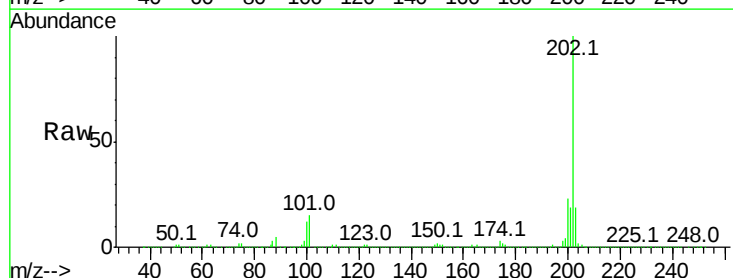
Tgt Ion:202 Resp: 4740430

Ion Ratio Lower Upper

202 100

200 23.3 17.6 26.4

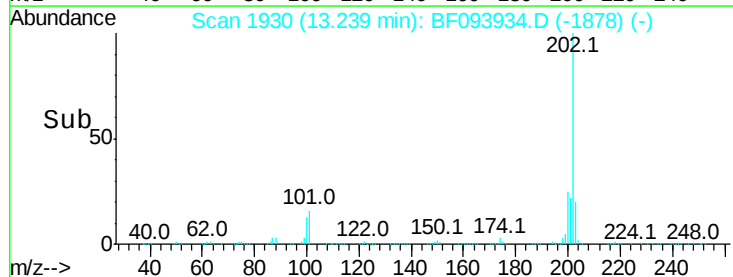
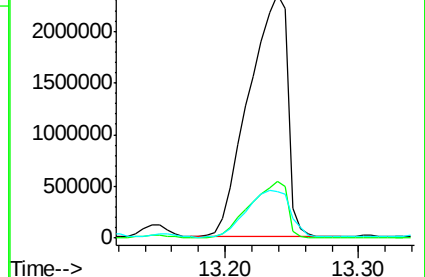
203 19.3 14.4 21.6

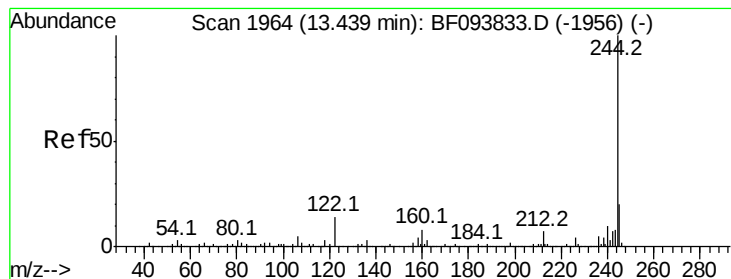


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.96 ng

RT: 13.42 min Scan# 1960

Delta R.T. -0.02 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

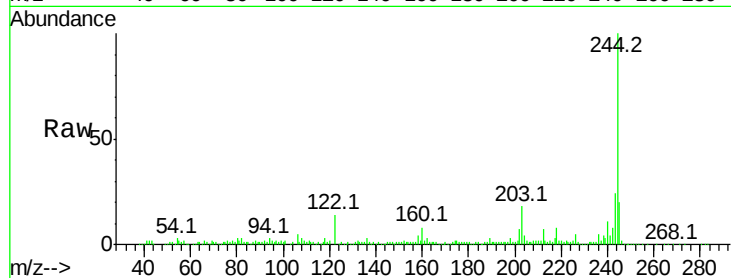
Tot Ion:244 Resp: 419627

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

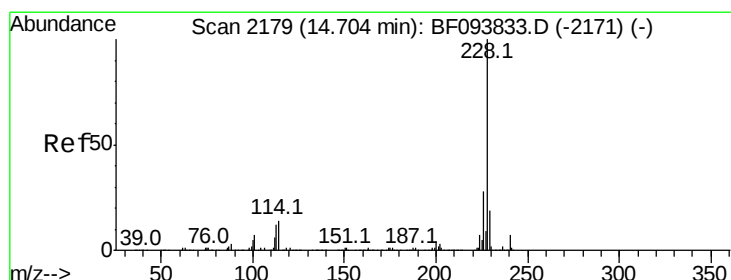
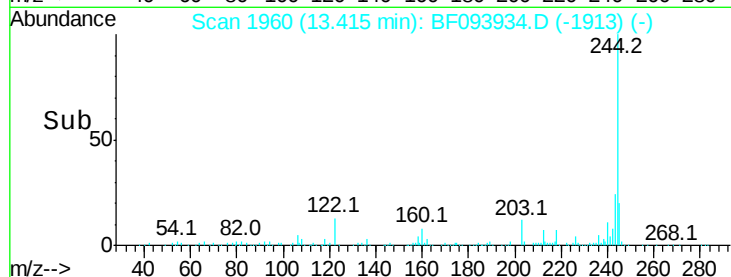
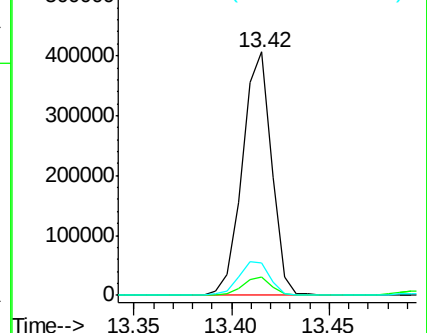
122 13.6 10.3 15.5



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: 111.45 ng

RT: 14.74 min Scan# 2186

Delta R.T. 0.04 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

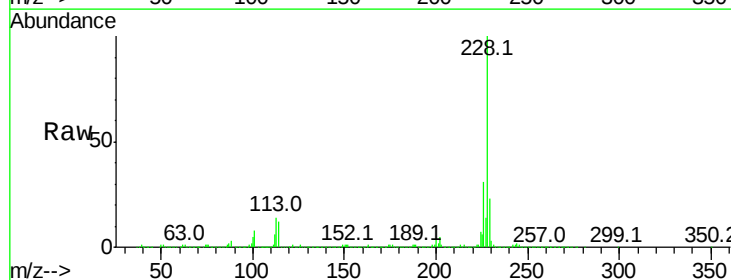
Tgt Ion:228 Resp: 1699679

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

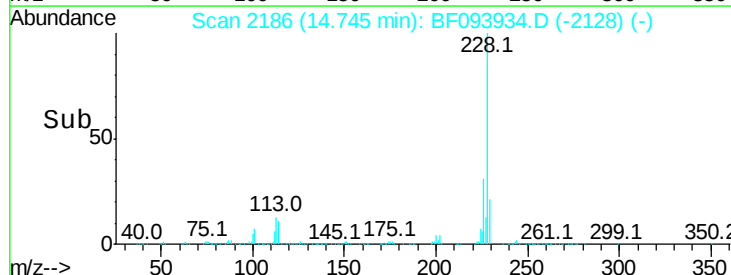
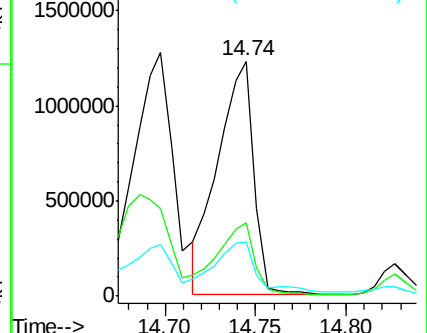
229 23.2 16.3 24.5

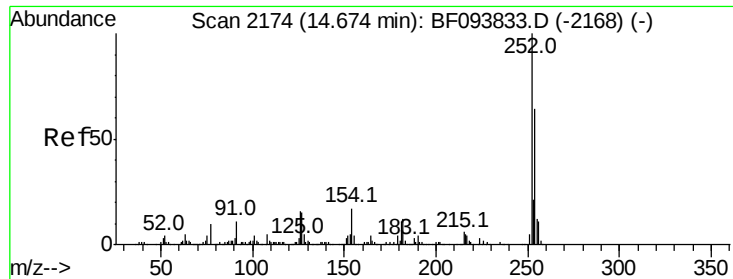


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

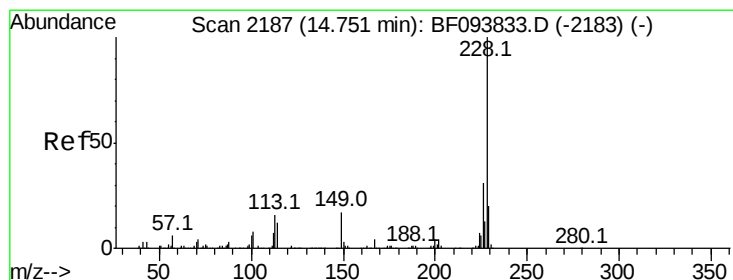
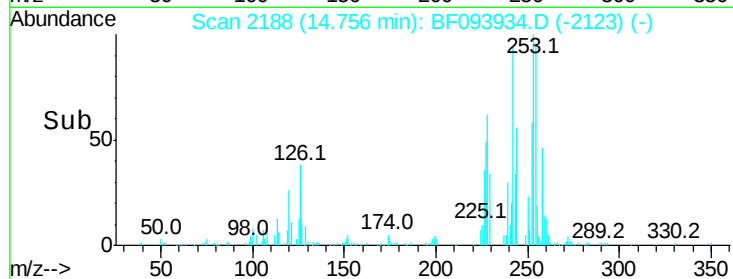
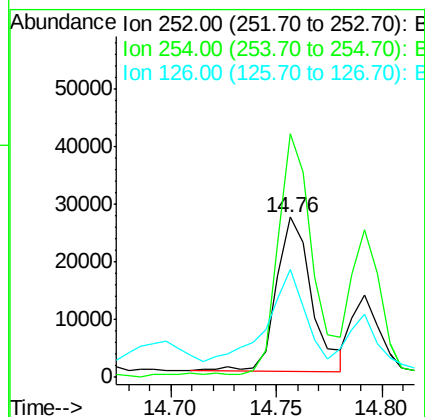
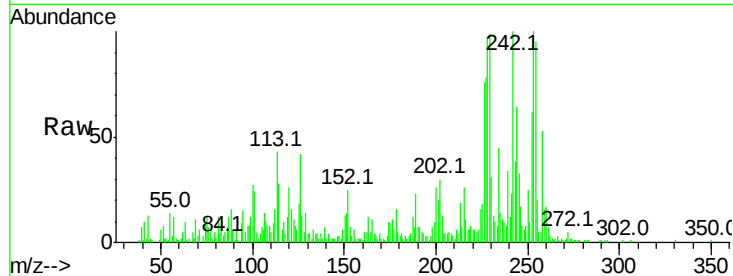




#81
 3,3'-Dichlorobenzidine
 Concen: 5.69 ng
 RT: 14.76 min Scan# 2188
 Delta R.T. 0.08 min
 Lab File: BF093934.D
 Acq: 25 Mar 2017 3:58

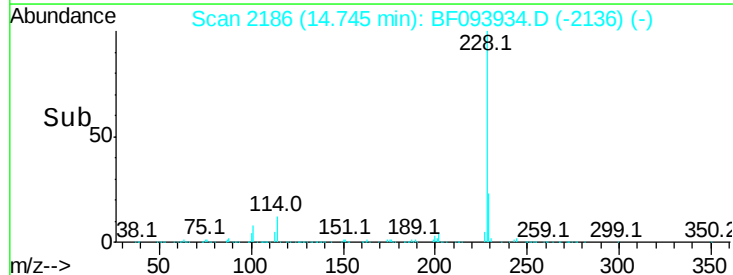
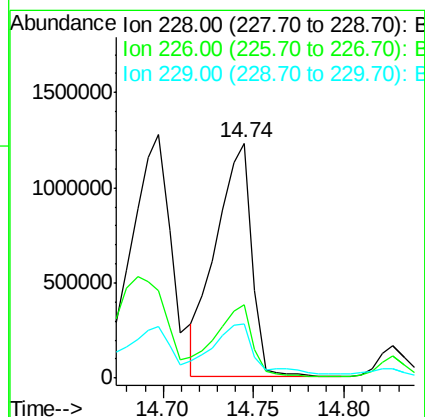
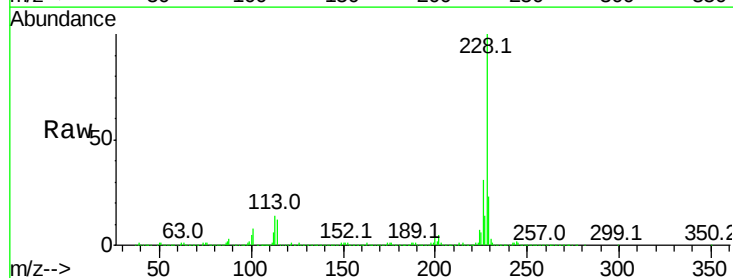
Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-10

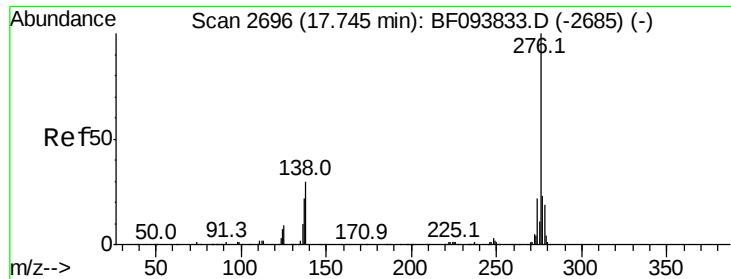
Tot Ion:252 Resp: 30993
 Ion Ratio Lower Upper
 252 100
 254 152.3 51.5 77.3#
 126 67.5 15.8 23.8#



#82
 Chrysene
 Concen: 120.09 ng
 RT: 14.74 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF093934.D
 Acq: 25 Mar 2017 3:58

Tgt Ion:228 Resp: 1699679
 Ion Ratio Lower Upper
 228 100
 226 31.3 24.9 37.3
 229 23.2 15.8 23.6

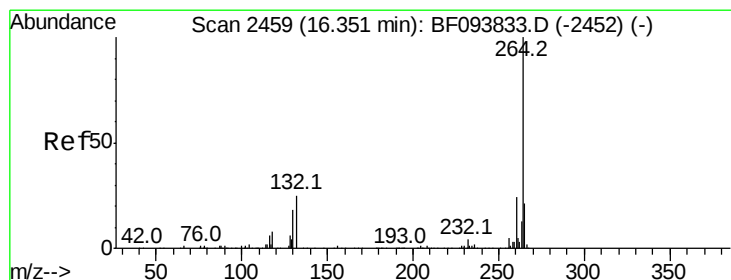
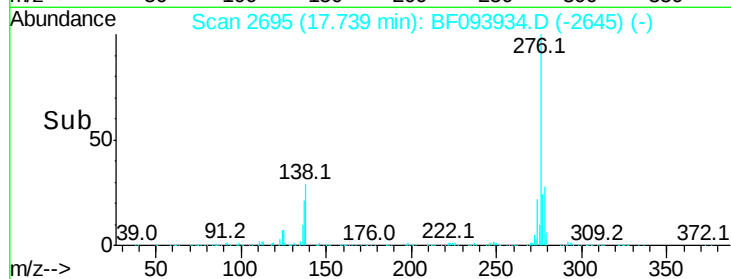
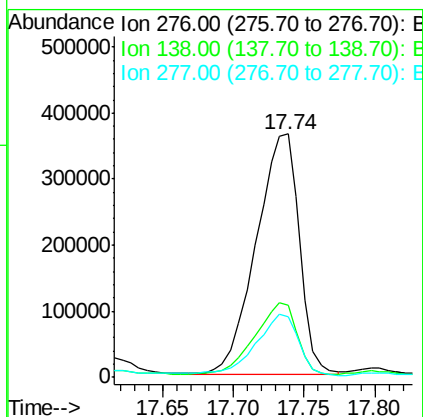
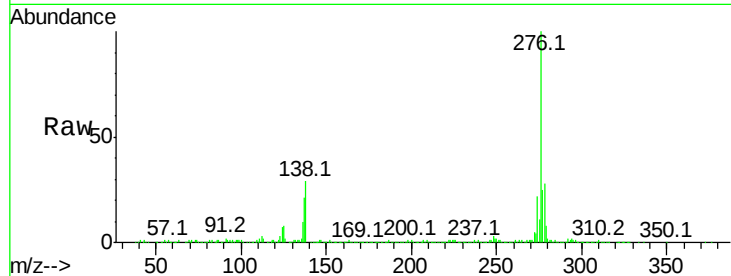




#85
Indeno(1,2,3-cd)pyrene
Concen: 63.35 ng
RT: 17.74 min Scan# 2695
Delta R.T. -0.01 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

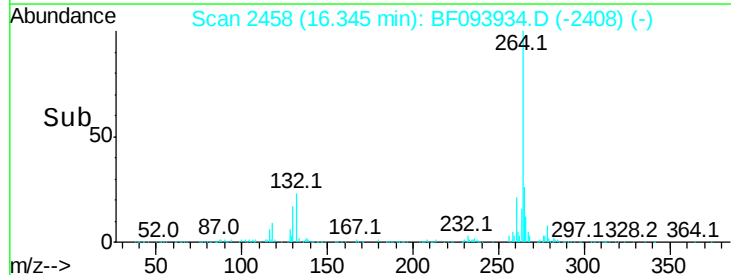
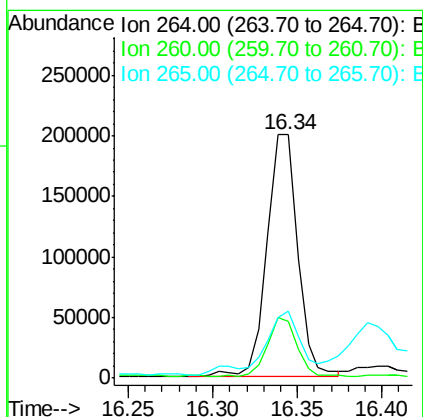
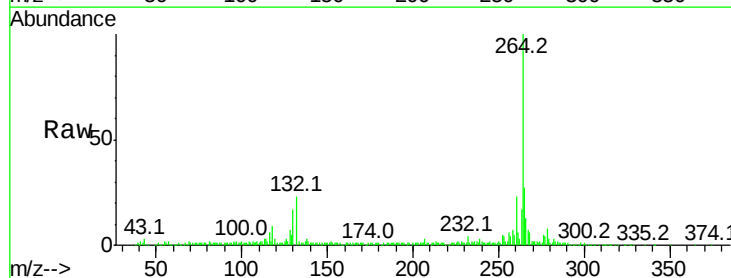
Instrument :
BNA_F
ClientSampleId :
WC-COMP-10

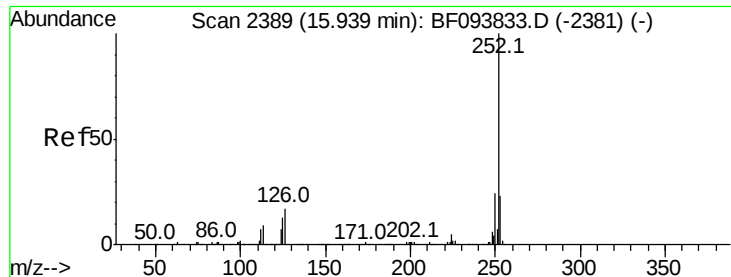
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	25.3	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF093934.D
Acq: 25 Mar 2017 3:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	27.5	17.2	25.8#





#87

Benzo(b)fluoranthene

Concen: 151.98 ng

RT: 15.94 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

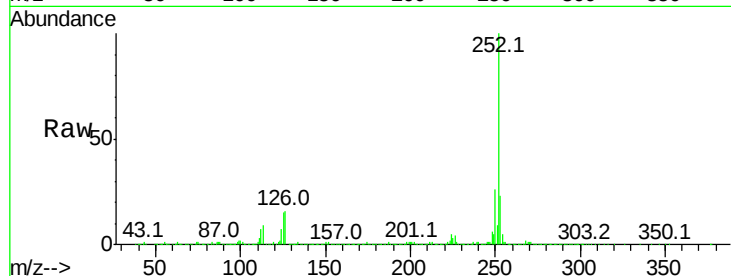
Tot Ion:252 Resp: 2354560

Ion Ratio Lower Upper

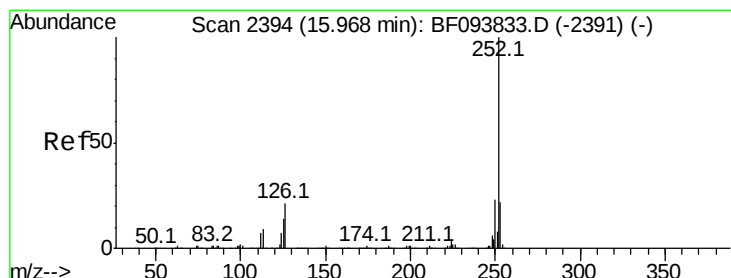
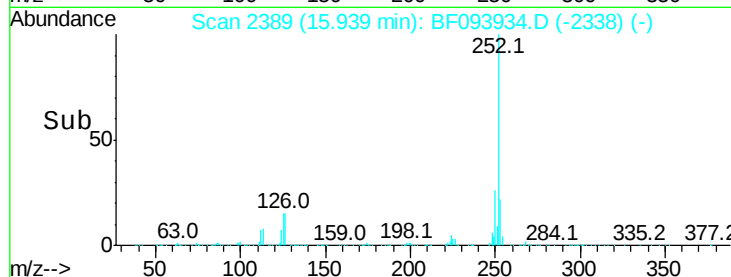
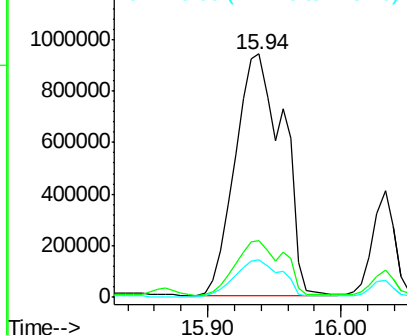
252 100

253 23.0 18.1 27.1

125 15.2 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: 155.33 ng

RT: 15.94 min Scan# 2389

Delta R.T. -0.03 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

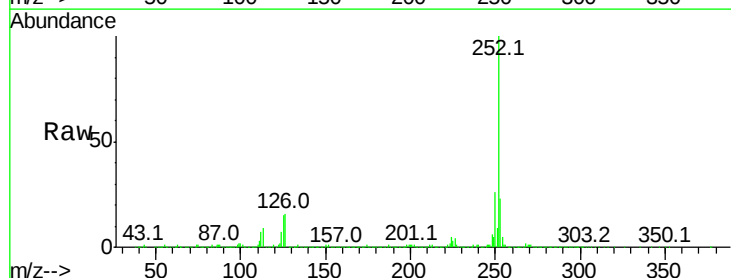
Tgt Ion:252 Resp: 2354560

Ion Ratio Lower Upper

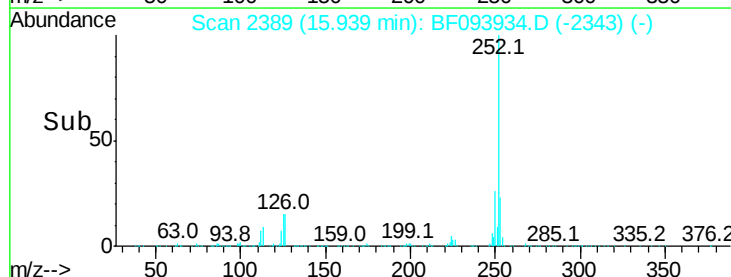
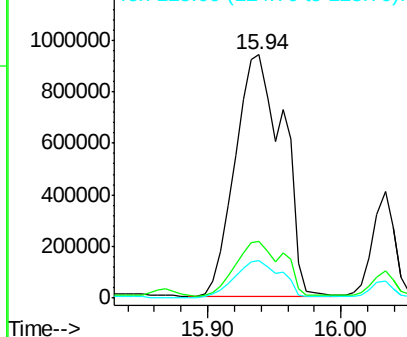
252 100

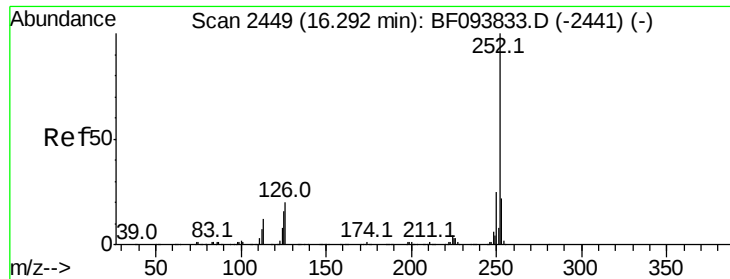
253 23.0 18.4 27.6

125 15.2 13.1 19.7



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: 109.85 ng

RT: 16.30 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

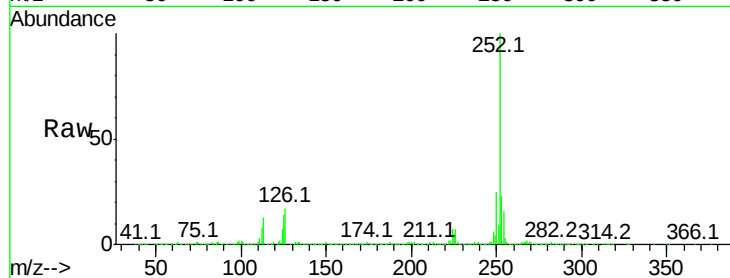
Tot Ion:252 Resp: 1567296

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

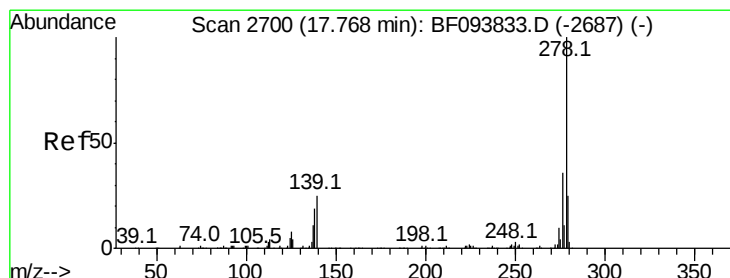
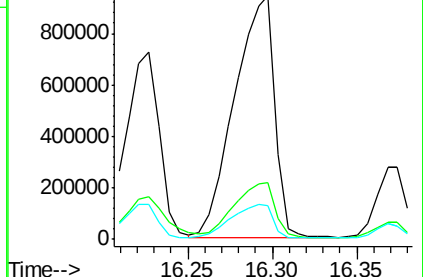
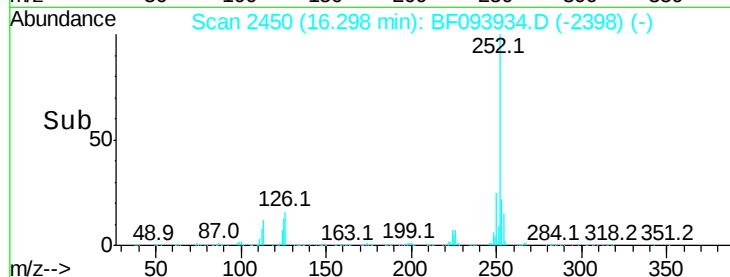
125 13.7 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 12.52 ng

RT: 17.89 min Scan# 2721

Delta R.T. 0.12 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

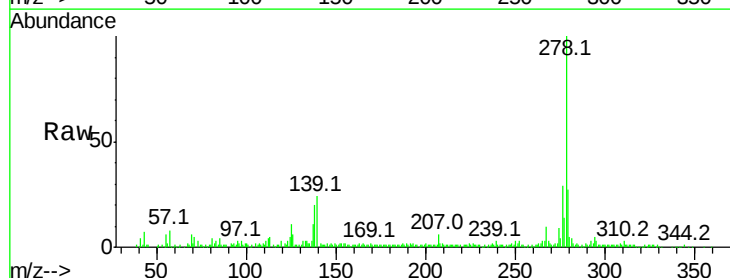
Tgt Ion:278 Resp: 151236

Ion Ratio Lower Upper

278 100

139 23.7 16.6 24.8

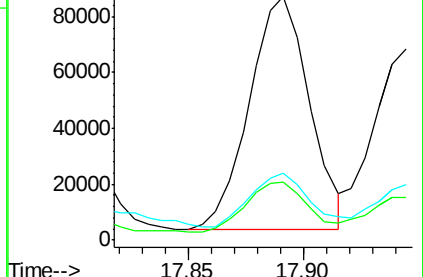
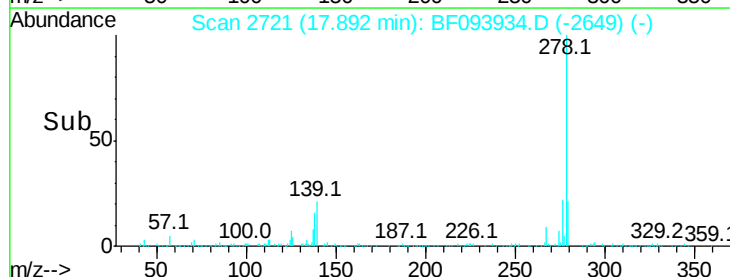
279 27.3 19.3 28.9

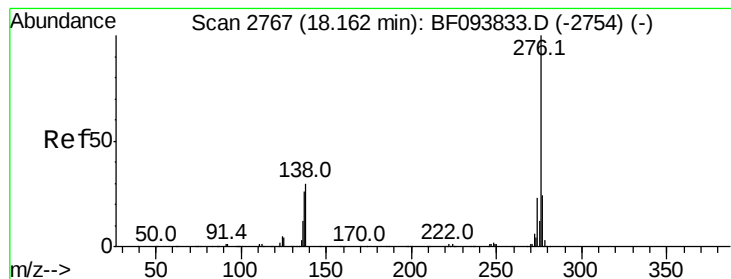


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 70.50 ng

RT: 18.15 min Scan# 2765

Delta R.T. -0.01 min

Lab File: BF093934.D

Acq: 25 Mar 2017 3:58

Instrument :

BNA_F

ClientSampleId :

WC-COMP-10

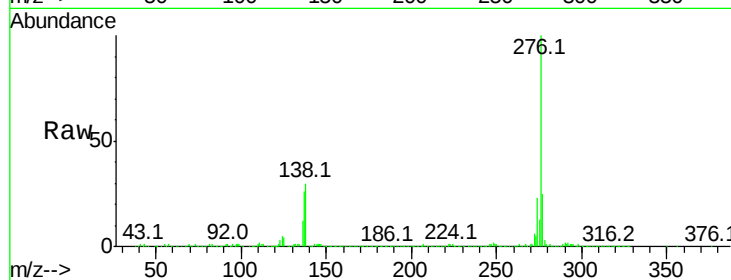
Tot Ion:276 Resp: 858408

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 29.9 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

