

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094149.D
 Acq On : 4 Apr 2017 5:41
 Operator : SJ/MA
 Sample : I2488-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-13

Quant Time: Apr 04 06:53:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

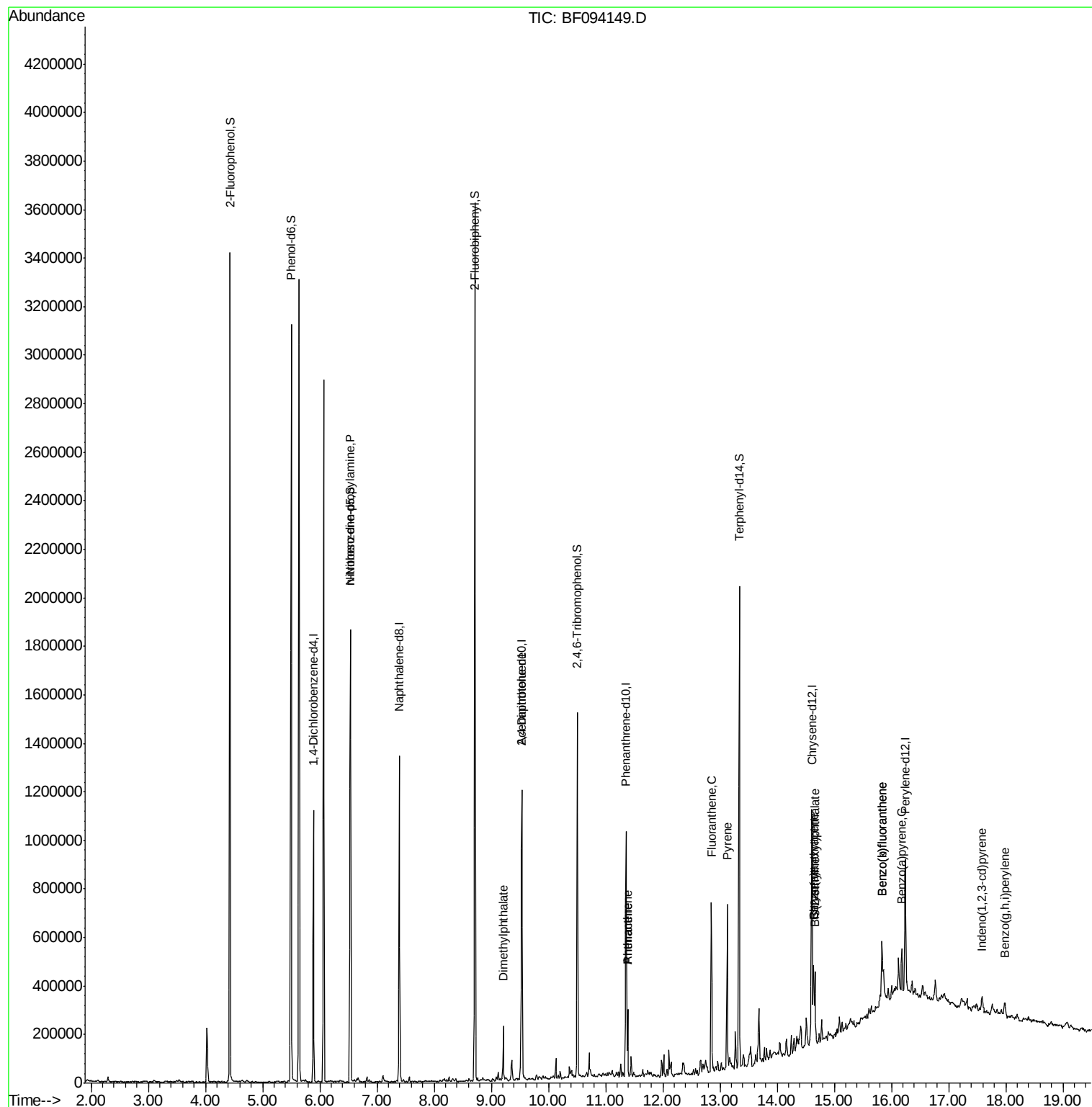
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	170119	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	644278	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	254889	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	376333	20.00	ng	-0.02
75) Chrysene-d12	14.61	240	329619	20.00	ng	-0.02
86) Perylene-d12	16.24	264	233075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	1014420	100.72	ng	0.00
7) Phenol-d6	5.50	99	1247787	100.14	ng	-0.01
23) Nitrobenzene-d5	6.53	82	663301	58.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	173353	86.07	ng	-0.02
44) 2-Fluorobiphenyl	8.72	172	1194719	71.49	ng	-0.02
78) Terphenyl-d14	13.34	244	714079	48.56	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.53	70	87475	10.92	ng	# 77
49) Dimethylphthalate	9.21	163	91035	5.02	ng	100
56) 2,4-Dinitrotoluene	9.53	165	32436	6.22	ng	# 33
70) Phenanthrene	11.39	178	116392	5.56	ng	96
71) Anthracene	11.39	178	116392	5.40	ng	96
74) Fluoranthene	12.85	202	304537	14.21	ng	98
77) Pyrene	13.13	202	297158	12.42	ng	99
80) Benzo(a)anthracene	14.64	228	134371	6.99	ng	96
82) Chrysene	14.64	228	134371	7.53	ng	95
83) Bis(2-ethylhexyl)phthalate	14.66	149	90272	6.49	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.58	276	41334	2.68	ng	95
87) Benzo(b)fluoranthene	15.83	252	168117	11.77	ng	# 92
88) Benzo(k)fluoranthene	15.83	252	168117	12.03	ng	96
89) Benzo(a)pyrene	16.18	252	82886	6.30	ng	# 94
91) Benzo(a,h,i)perylene	17.98	276	43999	3.92	ng	93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.89 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

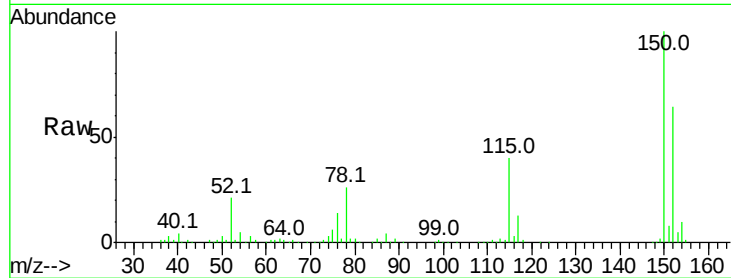
Tot Ion:152 Resp: 170119

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

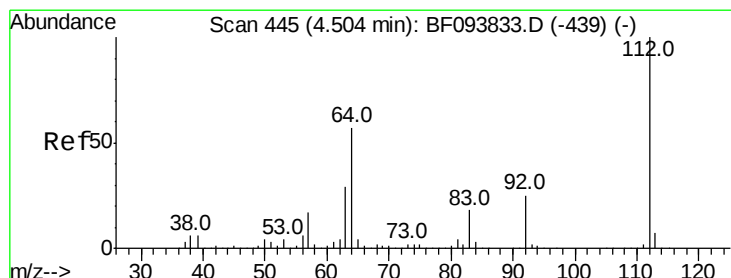
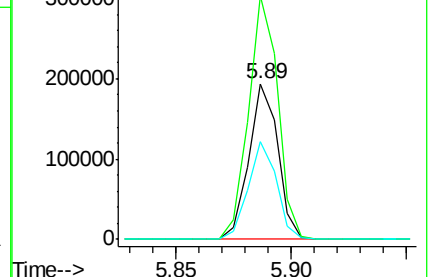
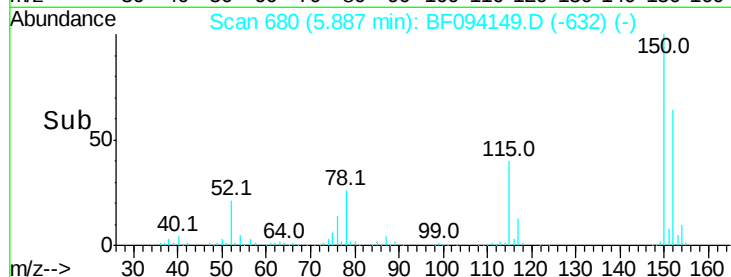
115 62.8 52.2 78.2



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: 100.72 ng

RT: 4.43 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

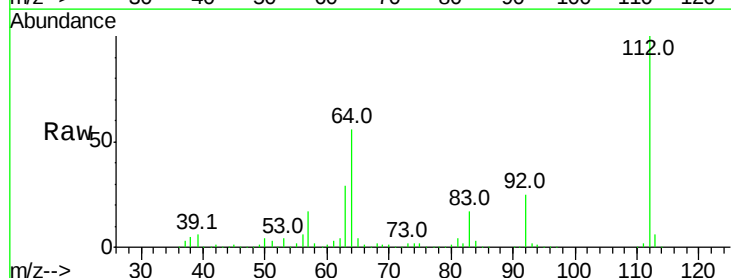
Tgt Ion:112 Resp: 1014420

Ion Ratio Lower Upper

112 100

64 56.1 46.0 69.0

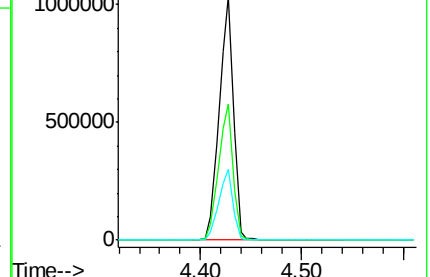
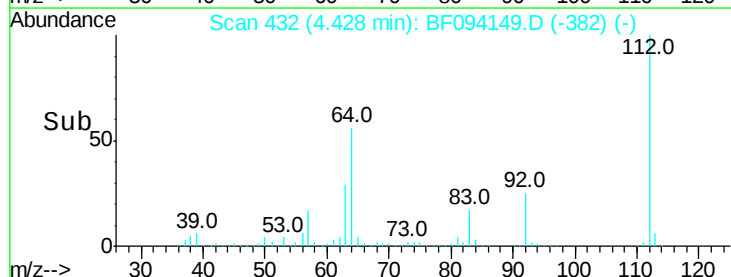
63 28.9 23.4 35.0

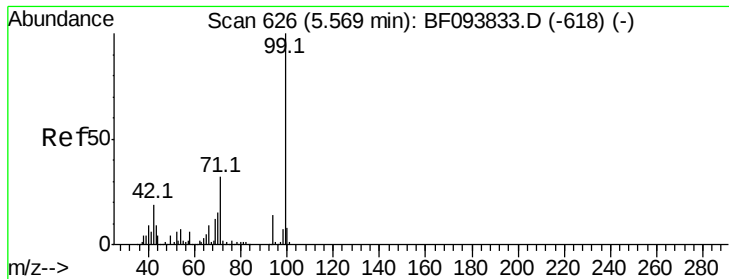


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.14 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

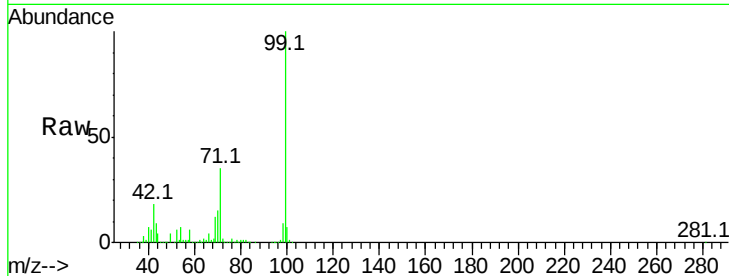
Tot Ion: 99 Resp: 1247787

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

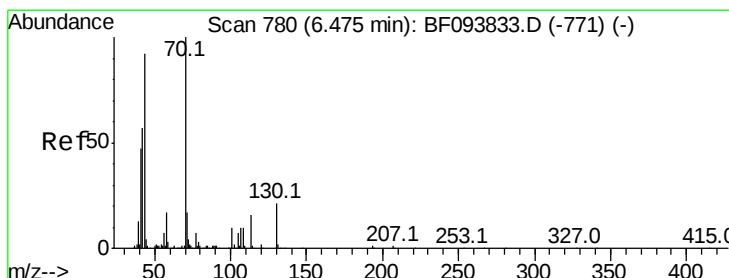
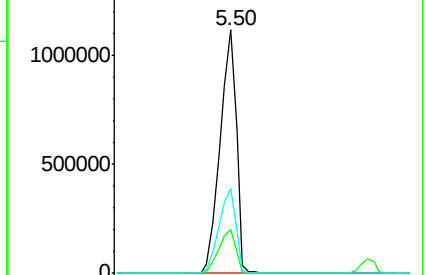
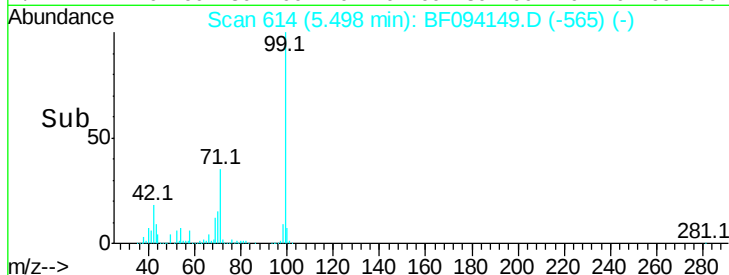
71 34.8 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.92 ng

RT: 6.53 min Scan# 790

Delta R.T. 0.14 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Tgt Ion: 70 Resp: 87475

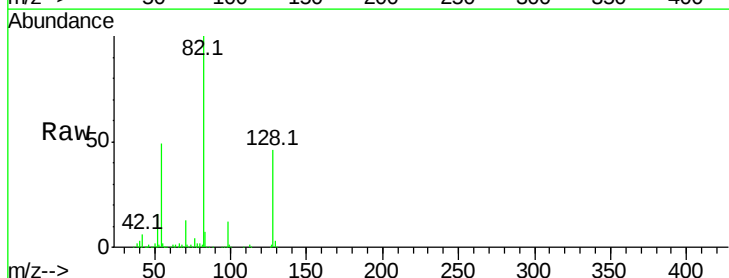
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

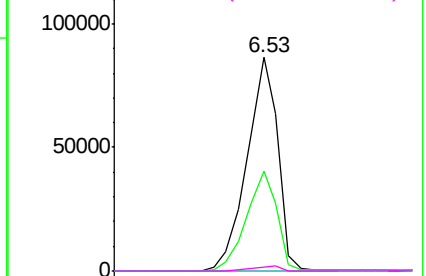
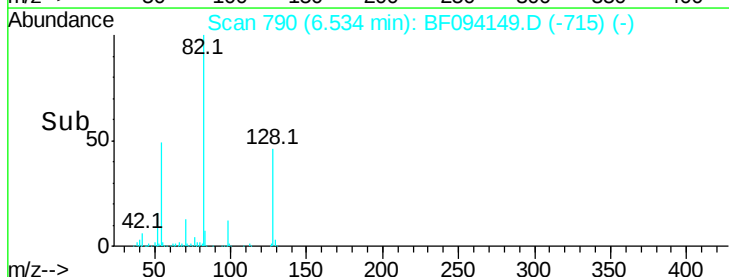


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

Tot Ion:136 Resp: 644278

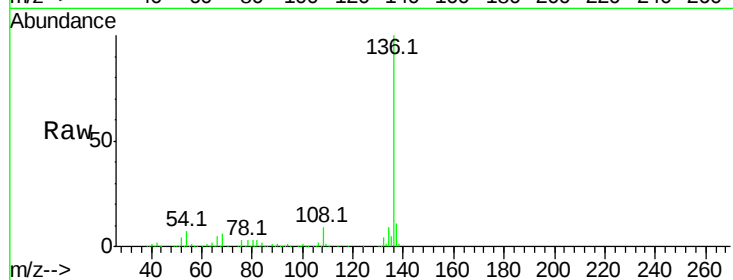
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.7 4.1 6.1

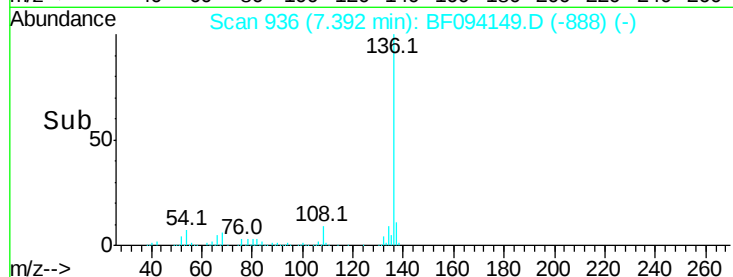


Abundance Ion 136.00 (135.70 to 136.70): E

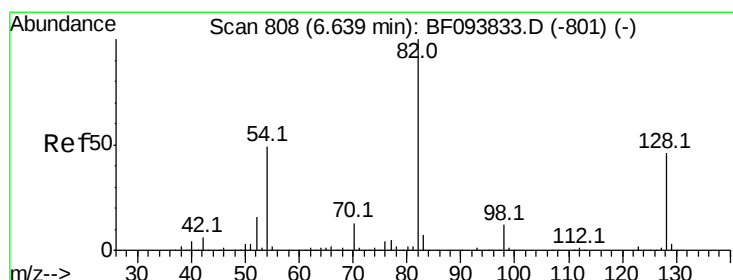
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 58.75 ng

RT: 6.53 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

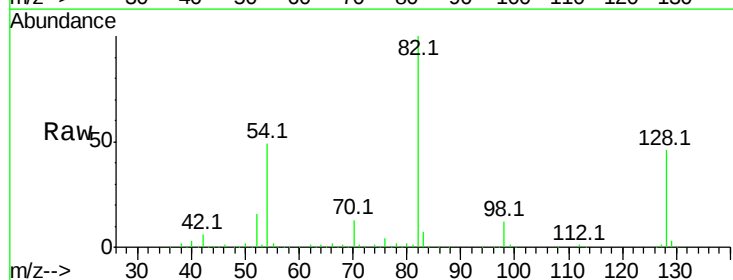
Tgt Ion: 82 Resp: 663301

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

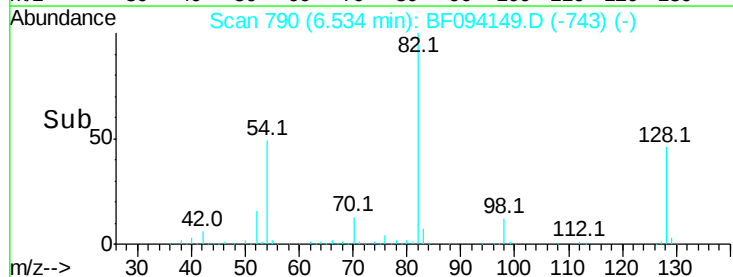
54 48.6 42.2 63.2



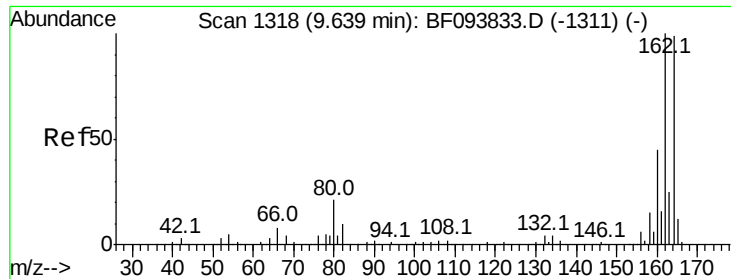
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

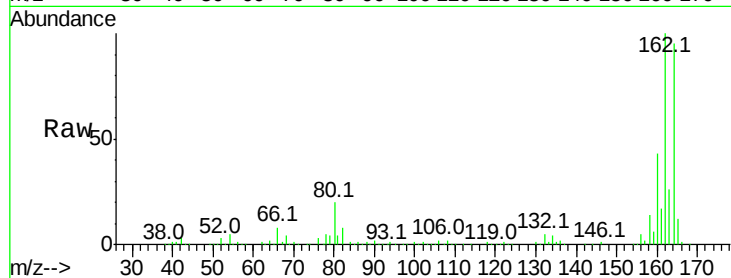
Tot Ion:164 Resp: 254889

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

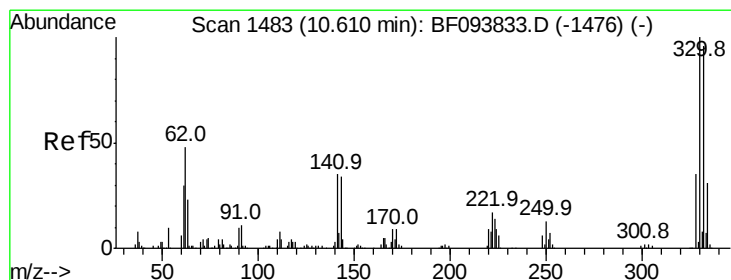
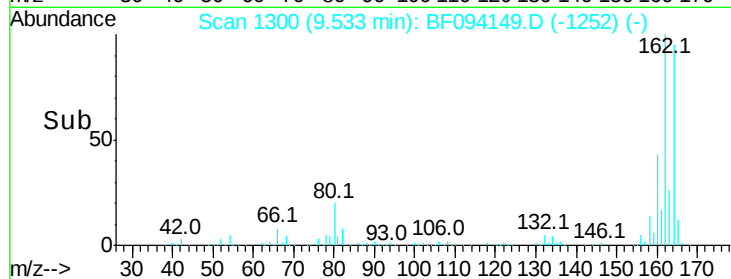
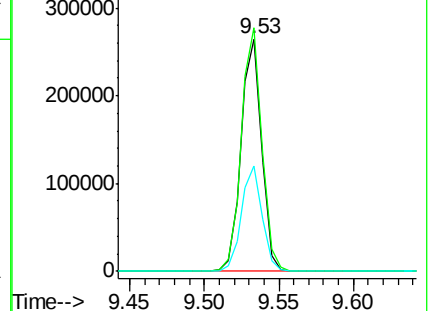
160 45.5 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 86.07 ng

RT: 10.50 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

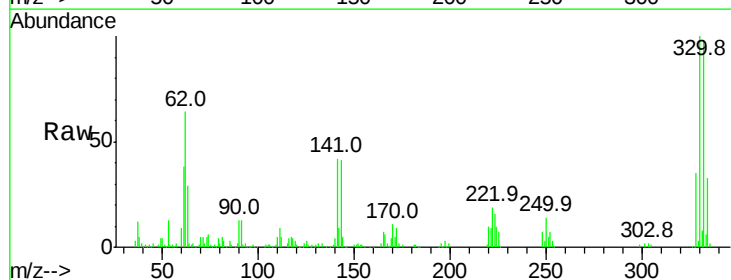
Tgt Ion:330 Resp: 173353

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

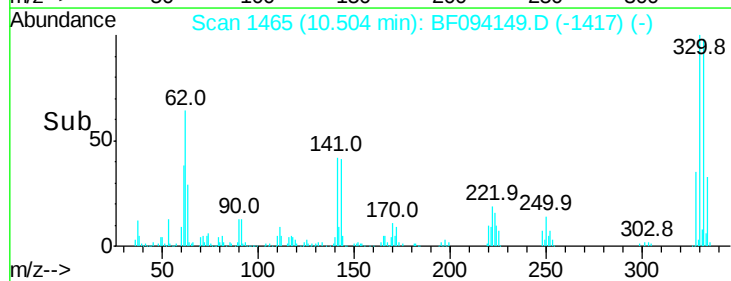
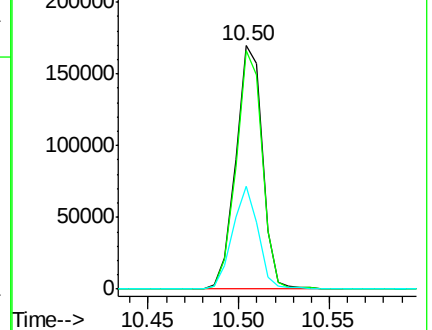
141 41.1 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



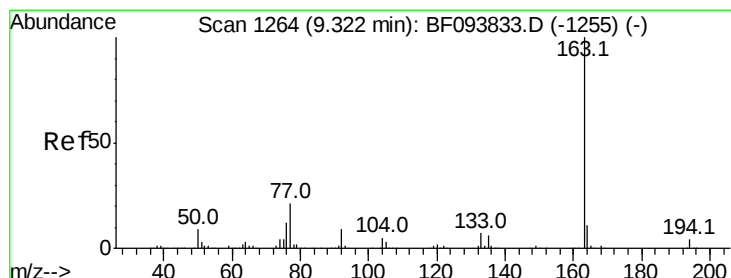
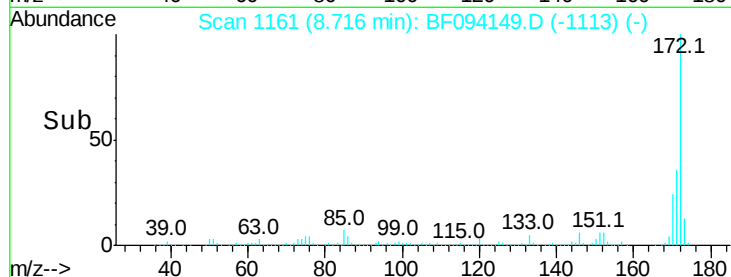
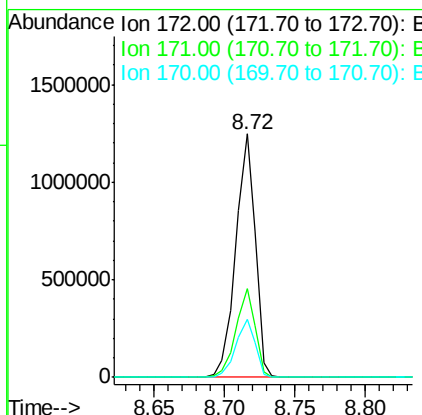
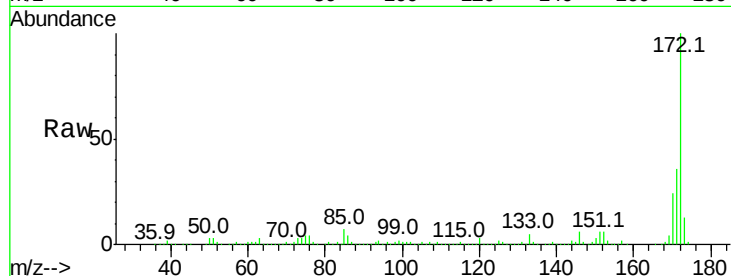


#44
 2-Fluorobiphenyl
 Concen: 71.49 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-13

Tot Ion:172 Resp: 1194719

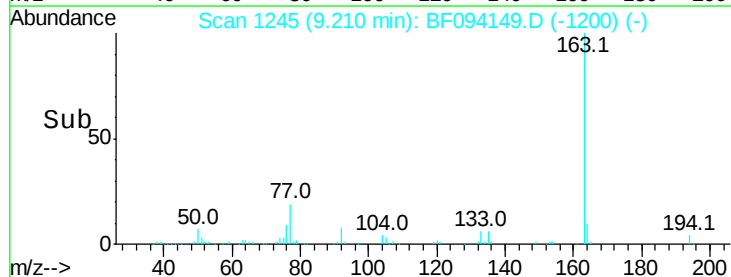
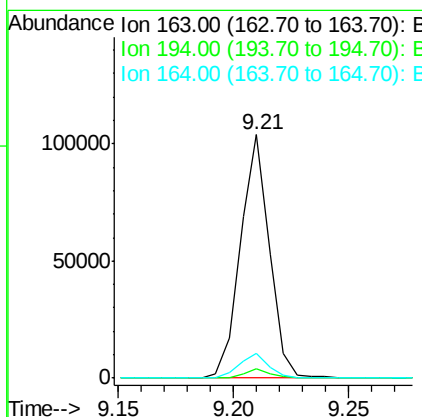
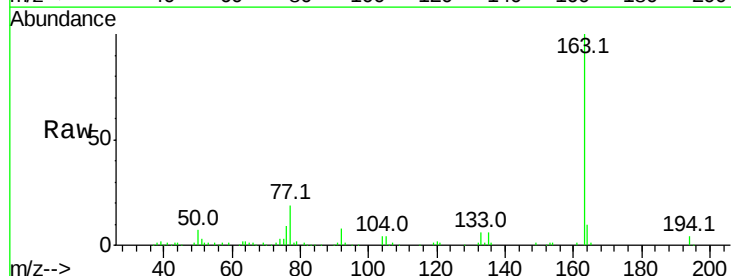
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.9	19.8	29.8



#49
 Dimethylphthalate
 Concen: 5.02 ng
 RT: 9.21 min Scan# 1245
 Delta R.T. -0.04 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Tgt Ion:163 Resp: 91035

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.4	8.4	12.6

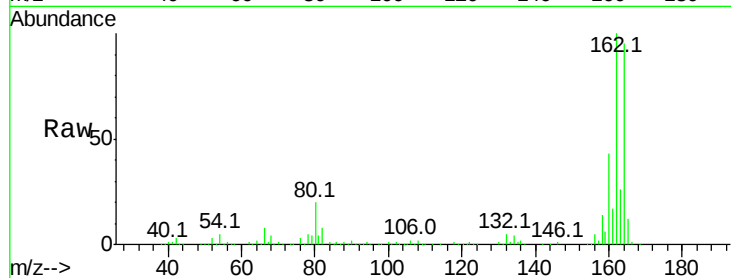




#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.26 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-13

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#

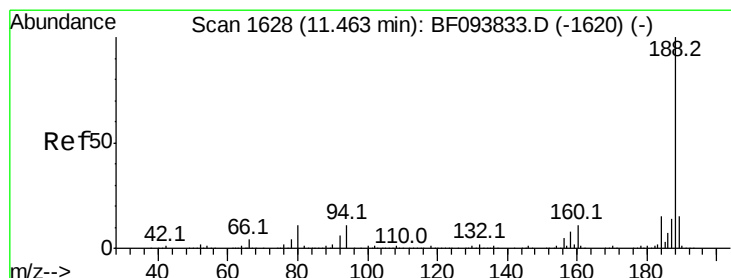
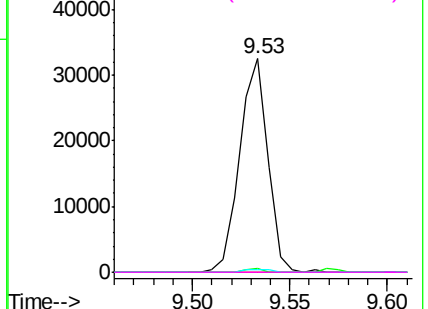
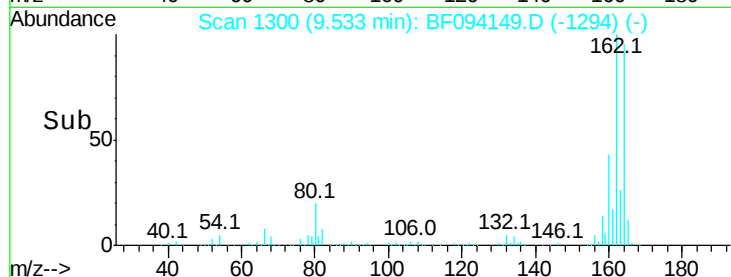


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

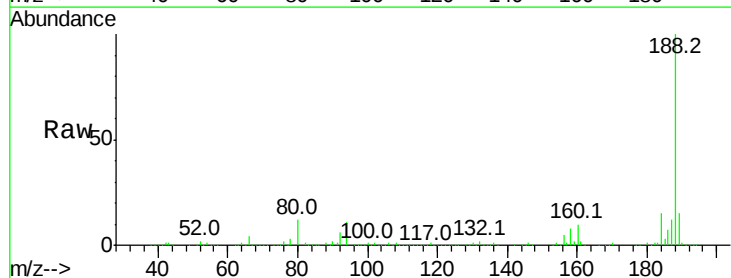
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.02 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

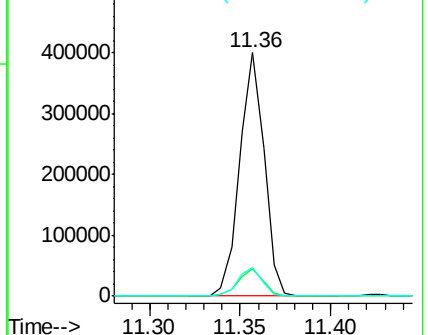
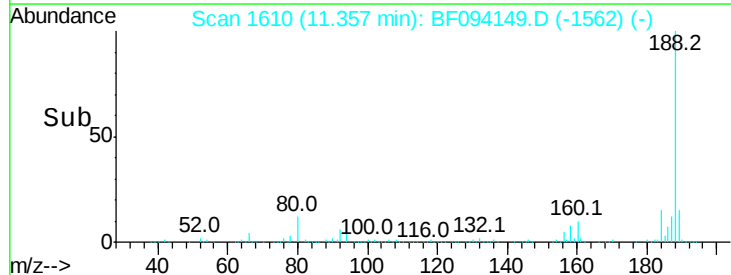
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.7	10.2	15.2

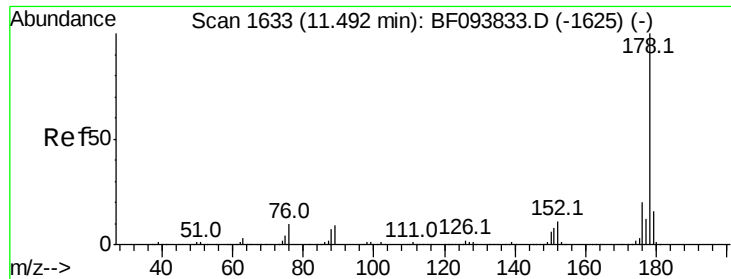


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

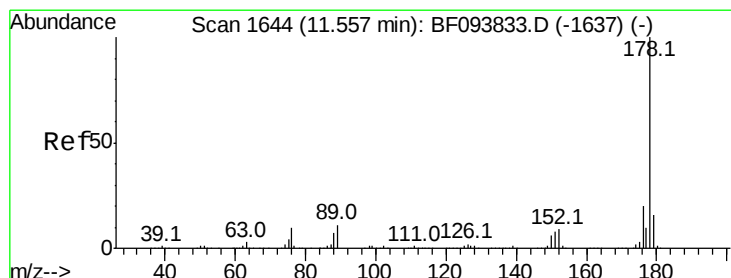
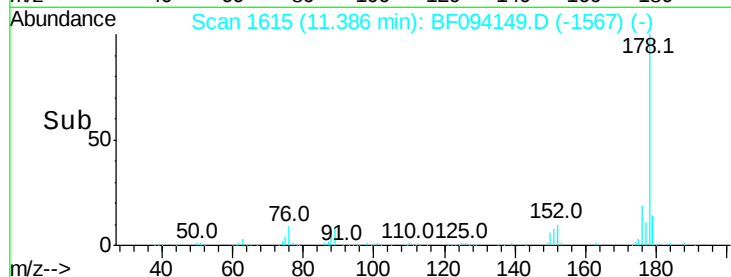
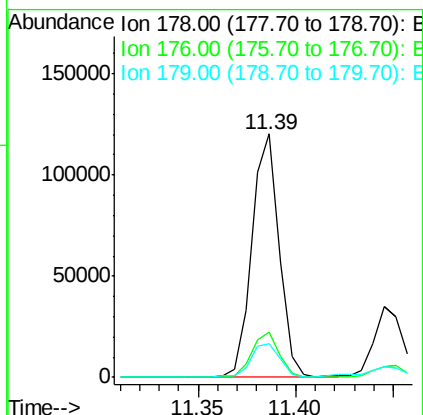
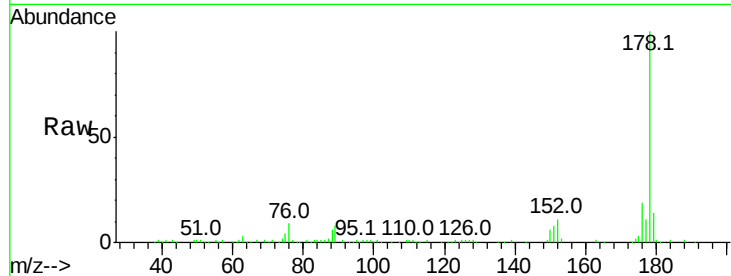




#70
Phenanthrene
Concen: 5.56 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

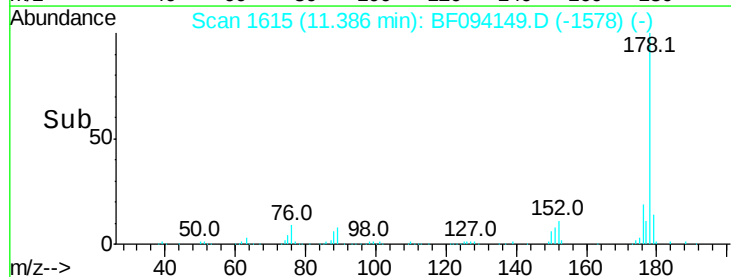
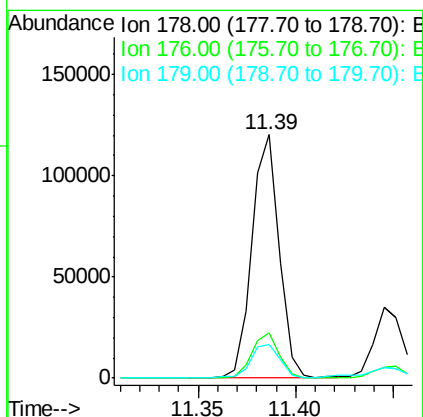
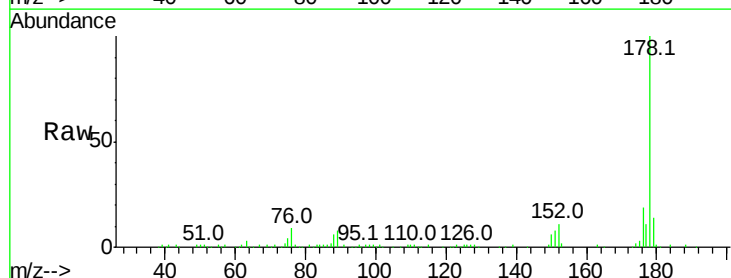
Instrument :
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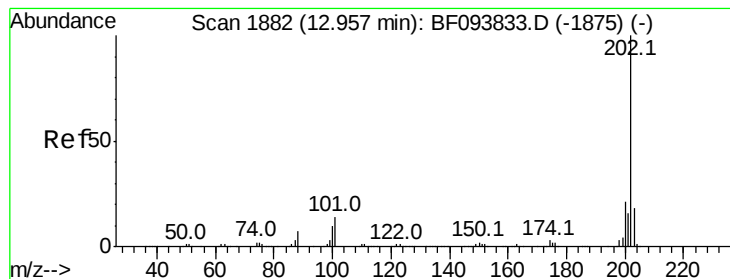
Tot Ion:178 Resp: 116392
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 13.9 12.6 19.0



#71
Anthracene
Concen: 5.40 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.08 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Tgt Ion:178 Resp: 116392
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 13.9 12.7 19.1





#74

Fluoranthene

Concen: 14.21 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

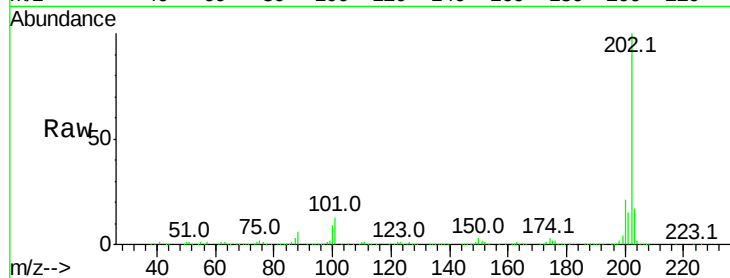
Tot Ion:202 Resp: 304537

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

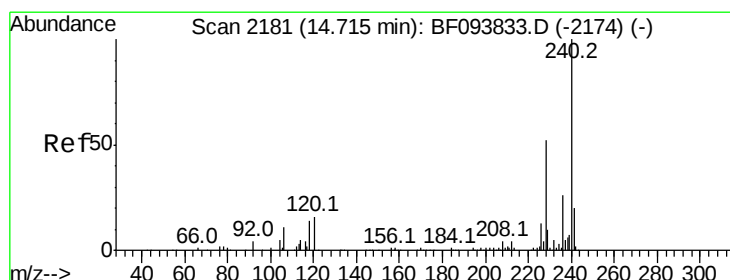
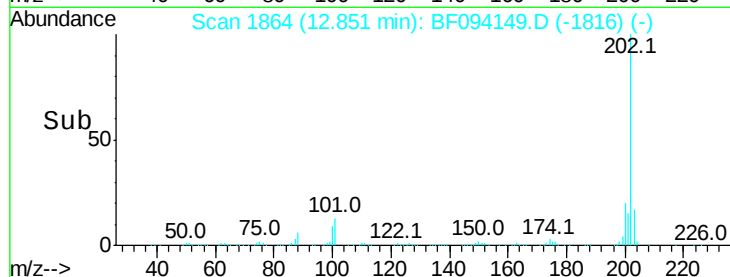
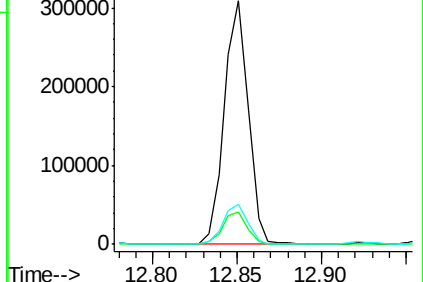
203 16.7 0.0 38.1



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: 14.61 min Scan# 2163

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

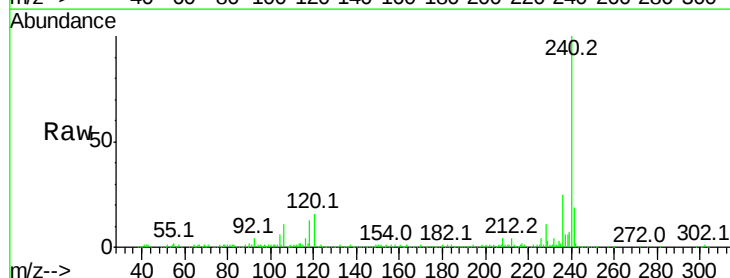
Tgt Ion:240 Resp: 329619

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

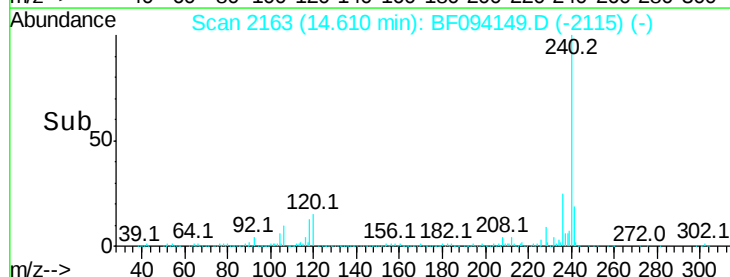
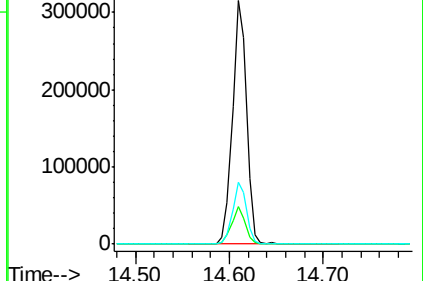
236 25.1 20.5 30.7

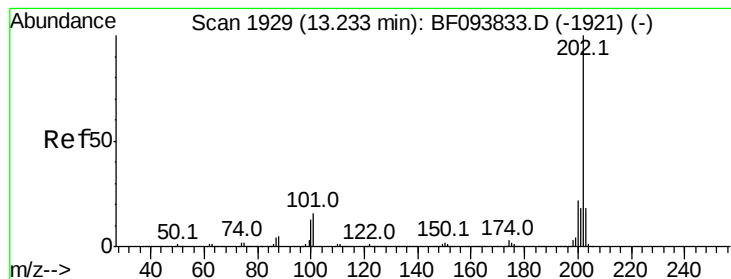


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.42 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

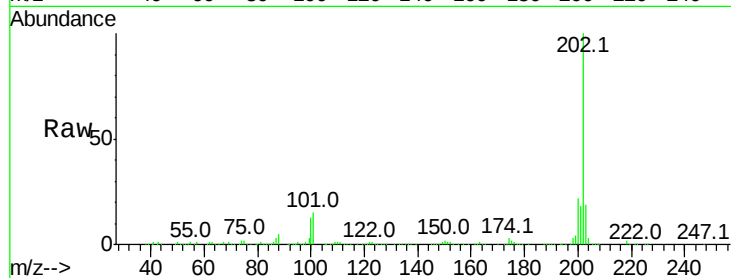
Tot Ion:202 Resp: 297158

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

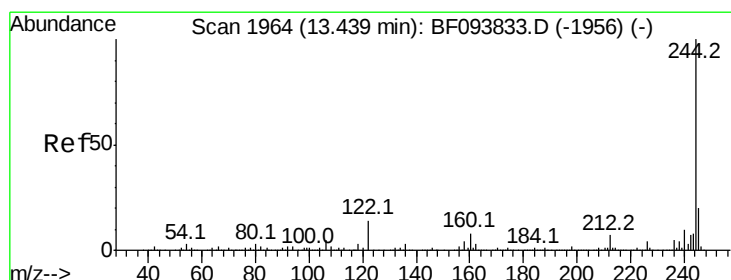
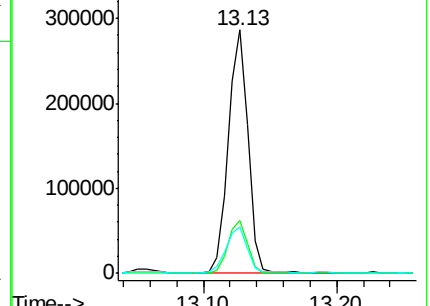
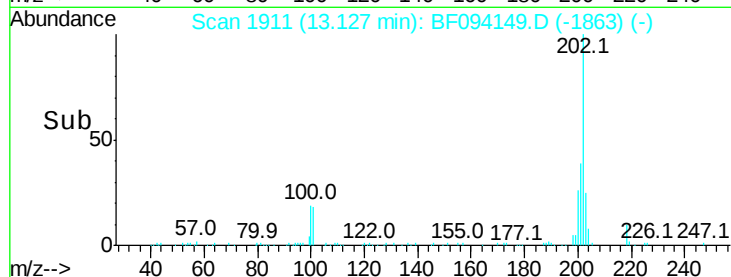
203 18.9 14.4 21.6



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: 48.56 ng

RT: 13.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

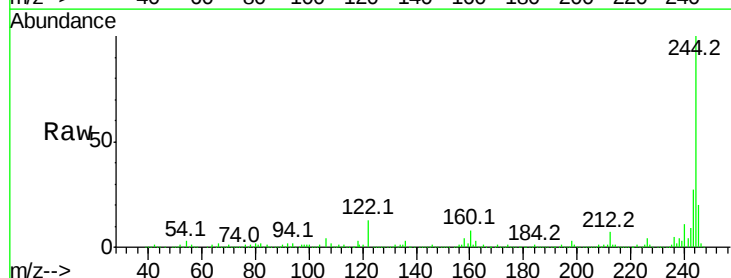
Tgt Ion:244 Resp: 714079

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

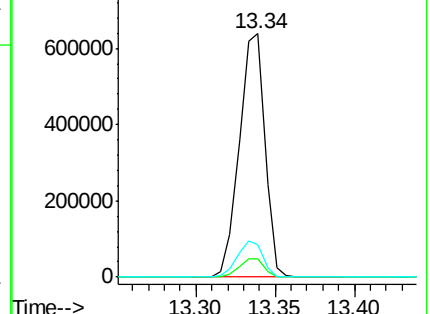
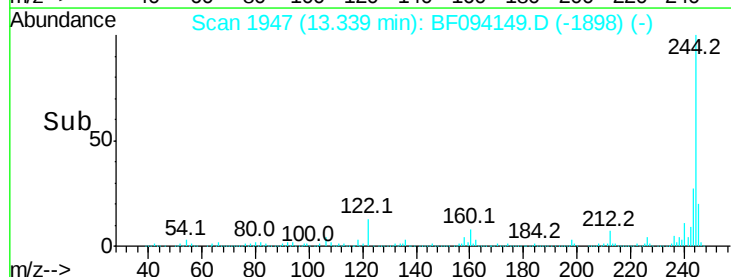
122 13.1 10.3 15.5

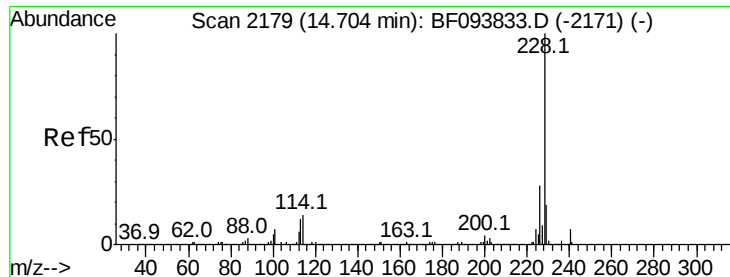


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.99 ng

RT: 14.64 min Scan# 2168

Delta R.T. 0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

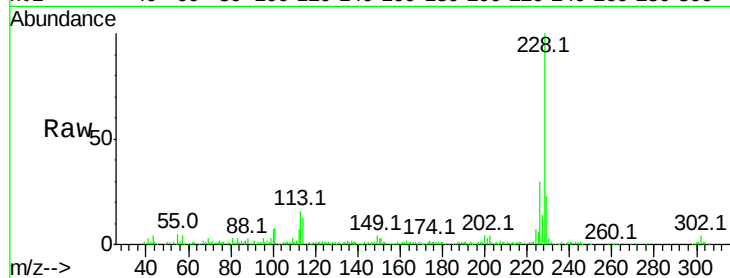
Tot Ion:228 Resp: 134371

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

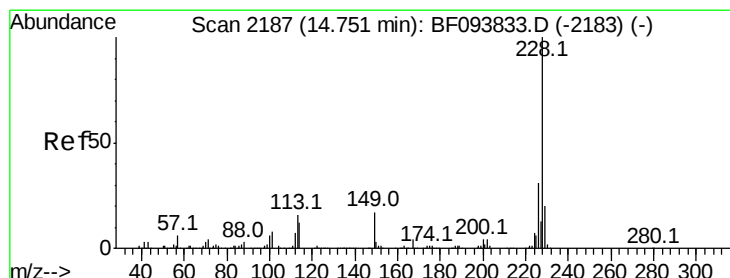
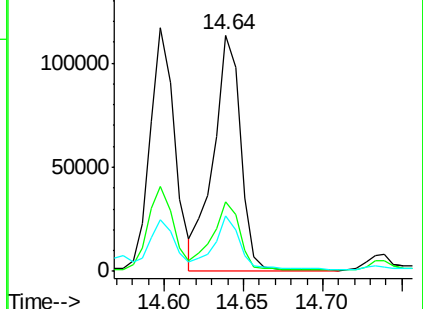
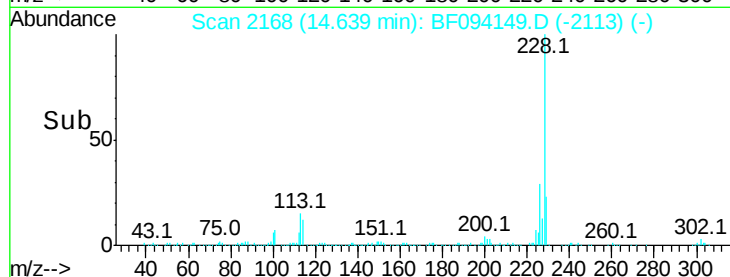
229 23.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 7.53 ng

RT: 14.64 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

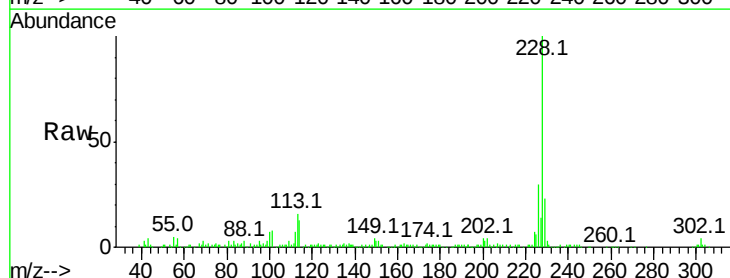
Tgt Ion:228 Resp: 134371

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

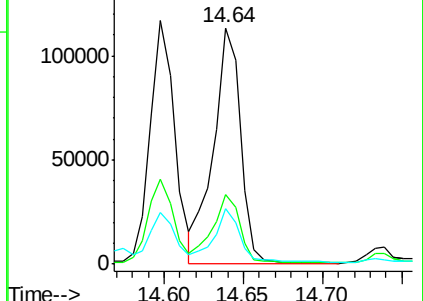
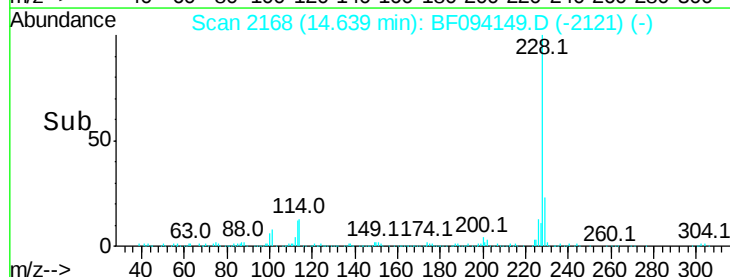
229 23.5 15.8 23.6

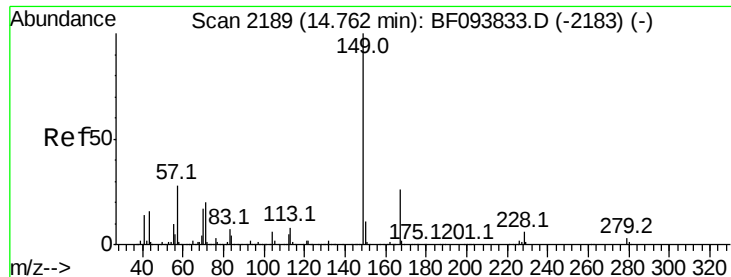


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.49 ng

RT: 14.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

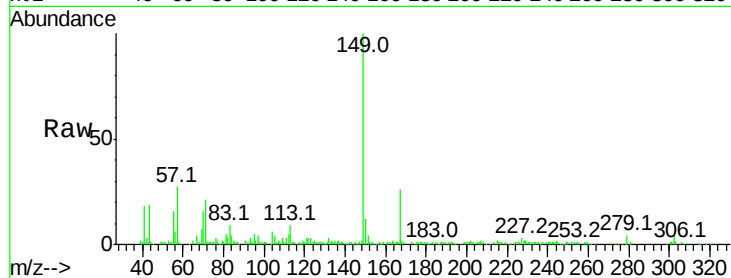
Tot Ion:149 Resp: 90272

Ion Ratio Lower Upper

149 100

167 25.7 21.0 31.4

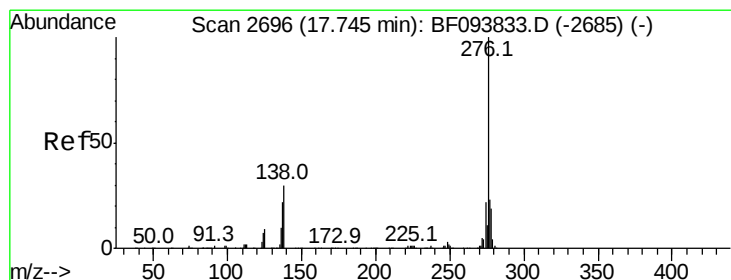
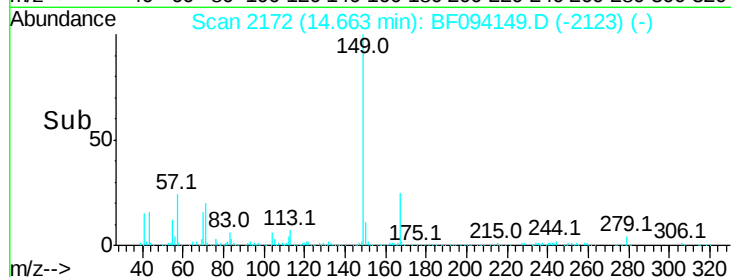
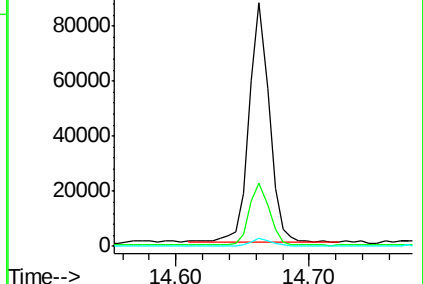
279 3.5 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.68 ng

RT: 17.58 min Scan# 2668

Delta R.T. -0.03 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

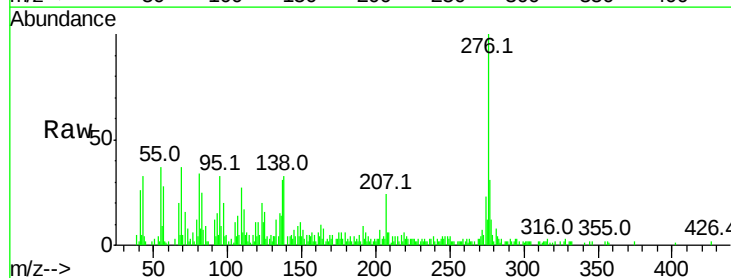
Tgt Ion:276 Resp: 41334

Ion Ratio Lower Upper

276 100

138 36.1 27.8 41.6

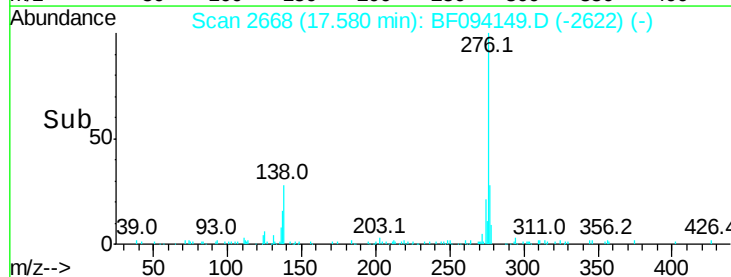
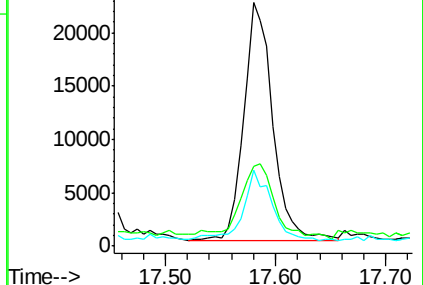
277 29.5 20.2 30.4

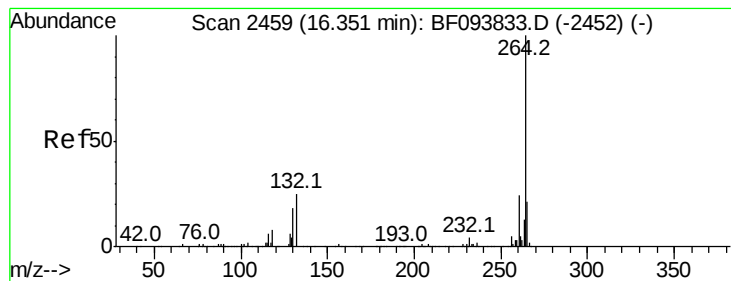


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.24 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

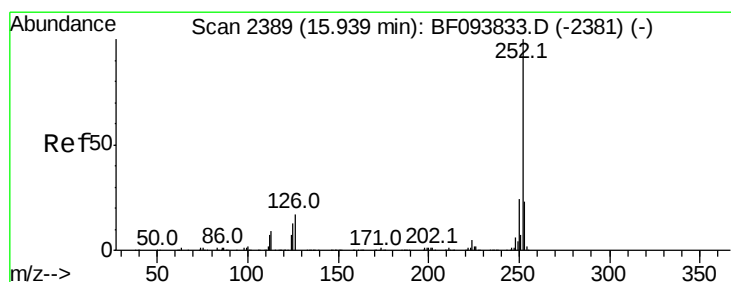
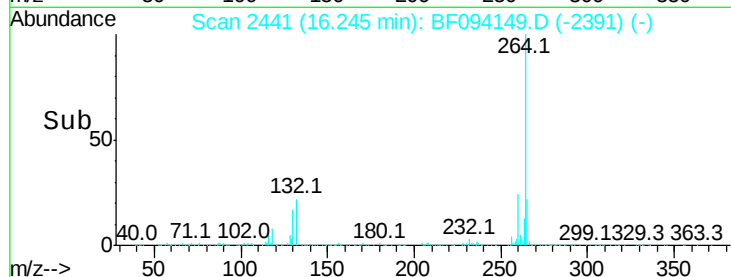
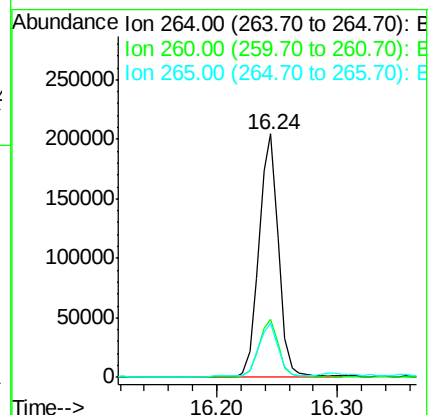
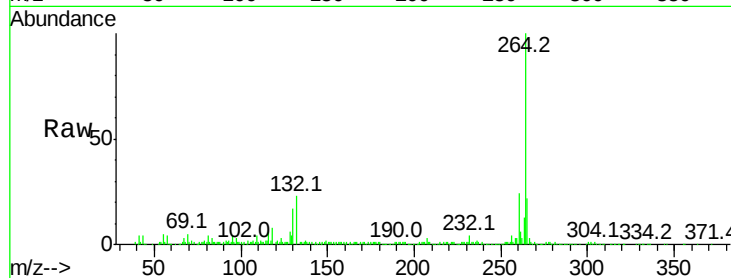
Tot Ion:264 Resp: 233075

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	17.2	25.8

264 100

260 23.9 19.5 29.3

265 22.4 17.2 25.8



#87

Benzo(b)fluoranthene

Concen: 11.77 ng

RT: 15.83 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

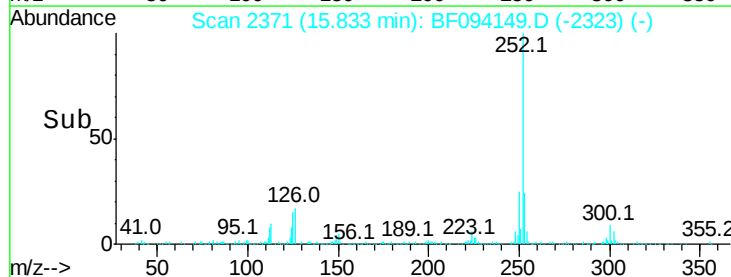
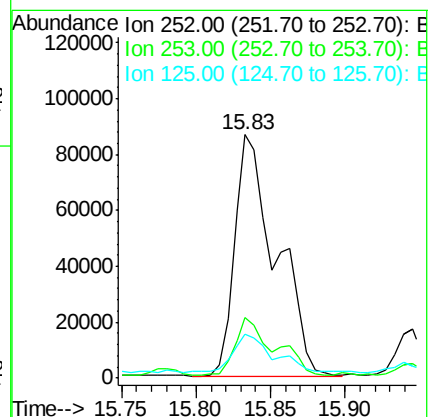
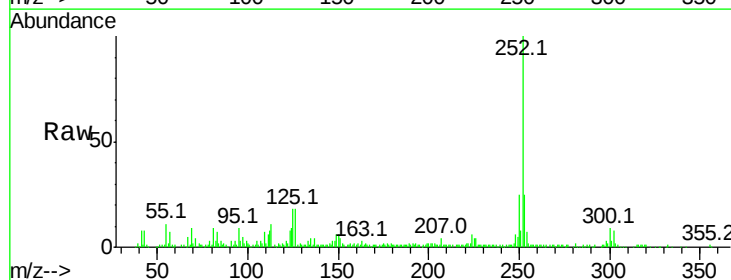
Tgt Ion:252 Resp: 168117

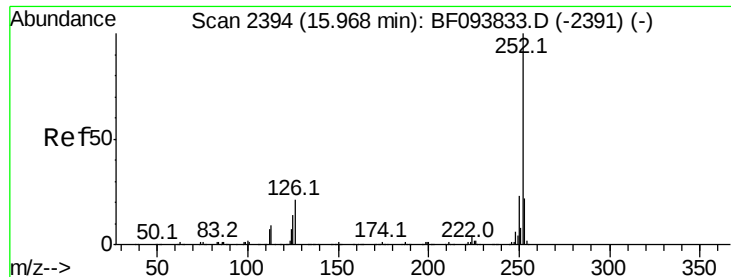
Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	18.0	9.8	14.8

252 100

253 25.0 18.1 27.1

125 18.0 9.8 14.8

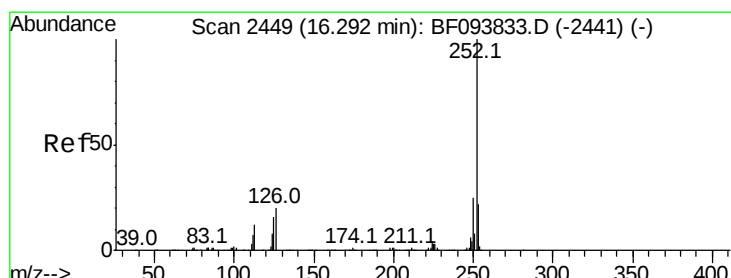
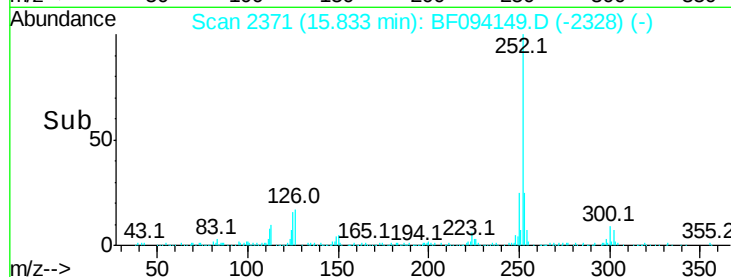
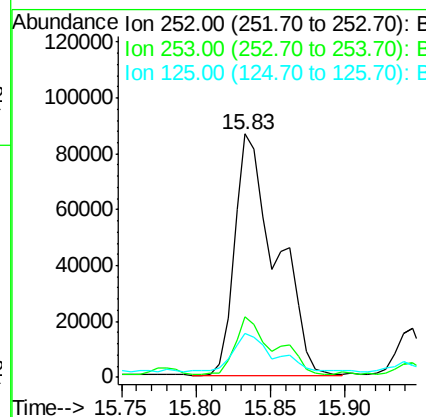
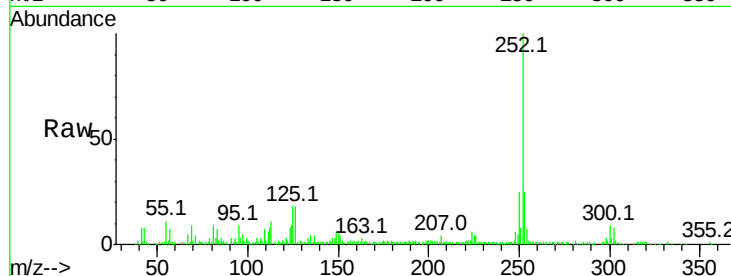




#88
Benzo(k)fluoranthene
Concen: 12.03 ng
RT: 15.83 min Scan# 2371
Delta R.T. -0.05 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

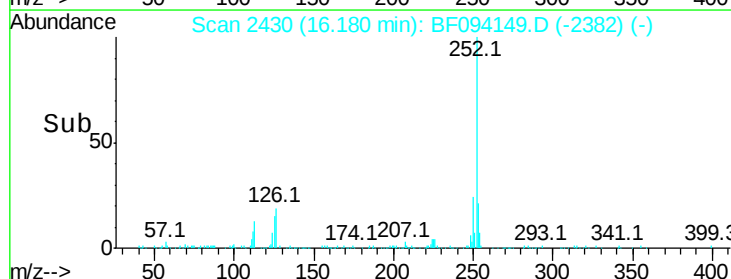
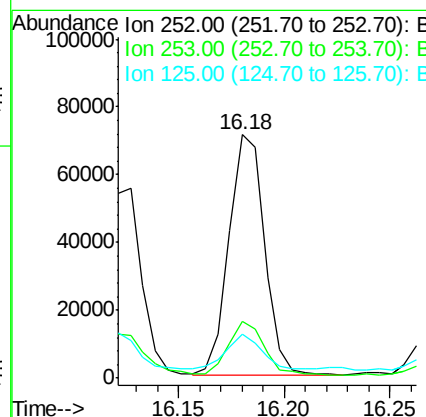
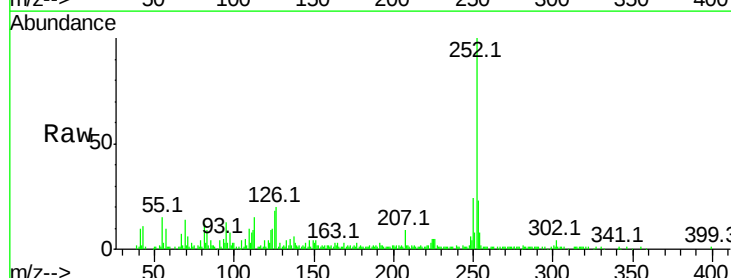
Instrument :
BNA_F
ClientSampleId :
WC-COMP-13

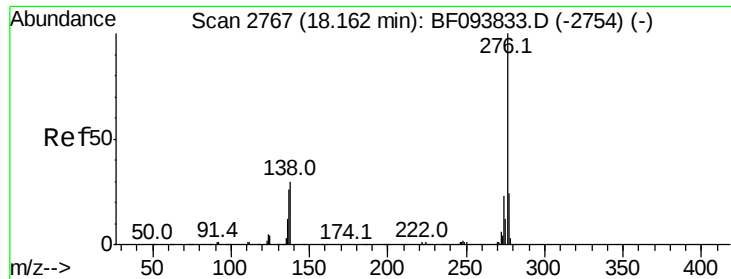
Tot Ion:252 Resp: 168117
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 18.0 13.1 19.7



#89
Benzo(a)pyrene
Concen: 6.30 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Tgt Ion:252 Resp: 82886
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 18.1 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.92 ng

RT: 17.98 min Scan# 2736

Delta R.T. -0.03 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-13

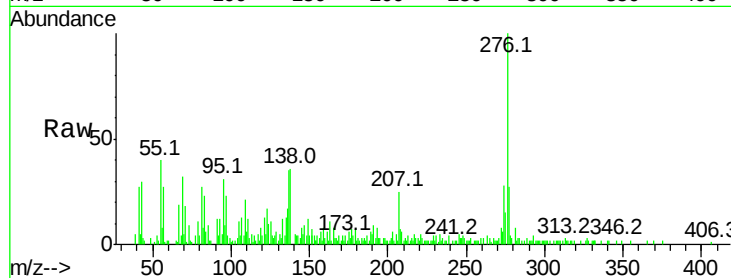
Tot Ion:276 Resp: 43999

Ion Ratio Lower Upper

276 100

277 26.8 18.6 28.0

138 35.7 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

