

Data File : BF093194.D
Acq On : 25 Feb 2017 15:53
Operator : SJ/MA
Sample : I1973-06
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-Y6S-SW

Quant Time: Feb 26 23:44:01 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	140282	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	515914	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	213162	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	332471	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	325502	20.00	ng	0.00
86) Perylene-d12	15.46	264	225612	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1128616	138.03	ng	0.00
7) Phenol-d6	6.50	99	1356415	128.93	ng	0.01
23) Nitrobenzene-d5	7.41	82	828413	89.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	215199	139.58	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1188355	101.00	ng	-0.01
78) Terphenyl-d14	12.96	244	755500	54.54	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.51	94	92266	7.50	ng	# 78
15) Benzyl Alcohol	6.99	79	16044	2.06	ng	# 39
32) Benzoic acid	7.94	122	1609	7.47	ng	# 63
49) Dimethylphthalate	9.61	163	100823	7.02	ng	99
56) 2,4-Dinitrotoluene	9.88	165	27060	6.56	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	646	2.97	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	16622	4.79	ng	# 1
70) Phenanthrene	11.39	178	62379	3.27	ng	98
74) Fluoranthene	12.59	202	161129	8.20	ng	92
77) Pyrene	12.82	202	178110	7.31	ng	97
80) Benzo(a)anthracene	14.01	228	174221	8.75	ng	98
82) Chrysene	14.01	228	174221	9.35	ng	97
85) Indeno(1,2,3-cd)pyrene	16.87	276	81473	5.64	ng	98
87) Benzo(b)fluoranthene	15.04	252	251587	16.94	ng	# 95
88) Benzo(k)fluoranthene	15.04	252	251587	19.62	ng	# 93
89) Benzo(a)pyrene	15.39	252	143767	11.19	ng	# 94
90) Dibenzo(a,h)anthracene	16.87	278	28119	2.71	ng	# 71
91) Benzo(g,h,i)perylene	17.30	276	92010	8.77	ng	# 86

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

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E2-Y6S-SW

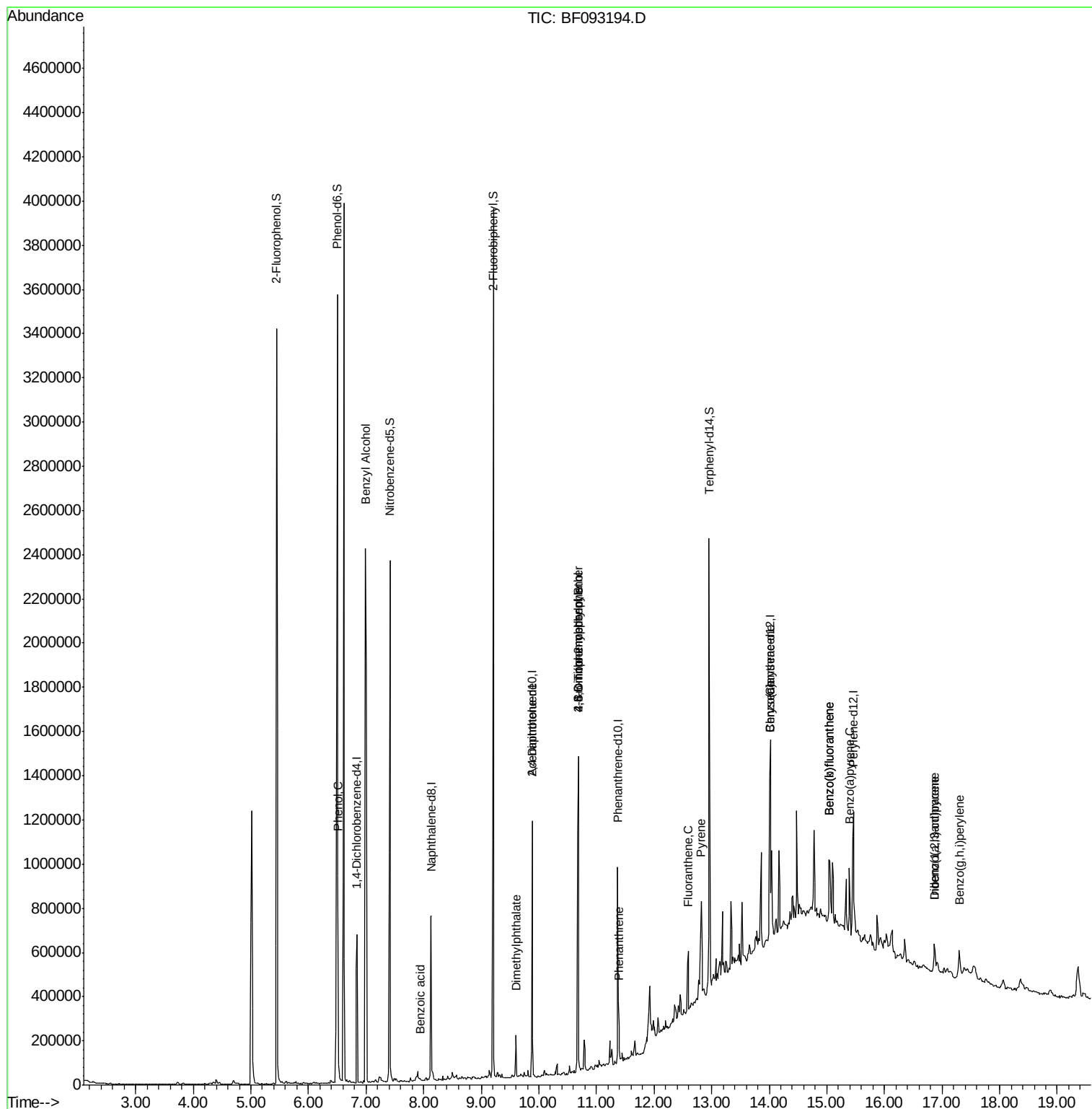
Quant Time: Feb 26 23:44:01 2017

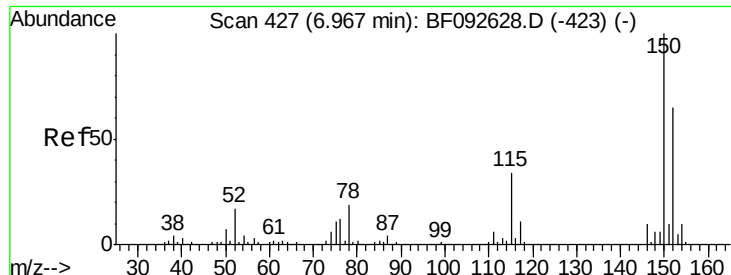
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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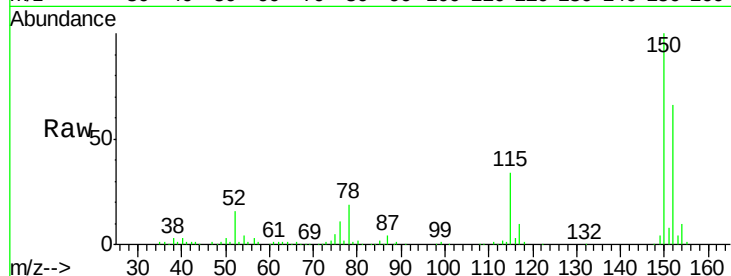


#1

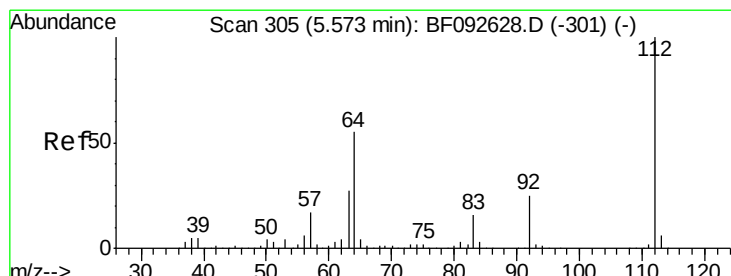
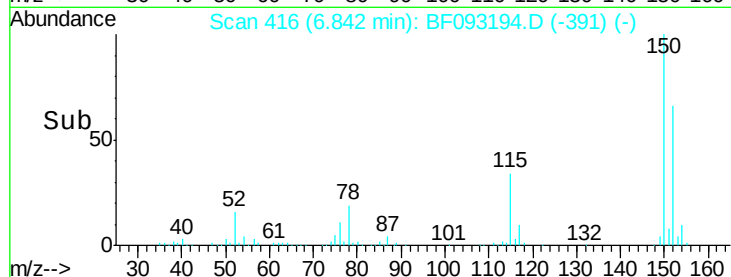
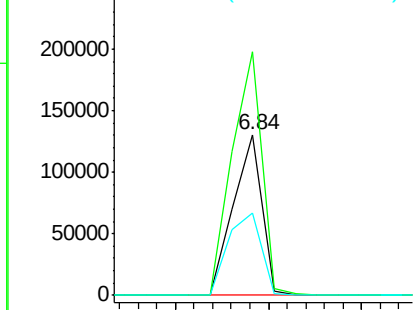
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Instrument :
BNA_F
ClientSampleId :
E2-Y6S-SW

Tgt Ion:152 Resp: 140282
Ion Ratio Lower Upper
152 100
150 151.7 124.9 187.3
115 50.9 46.0 69.0



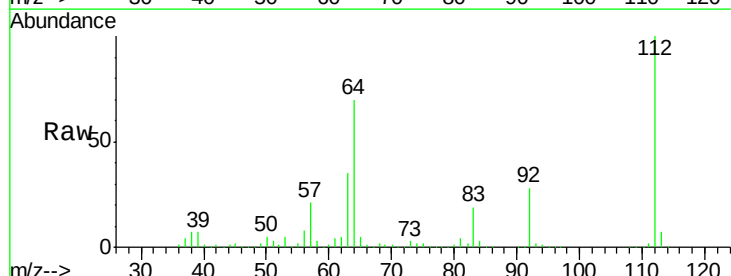
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



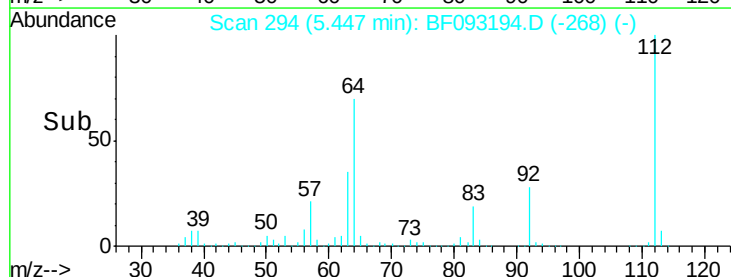
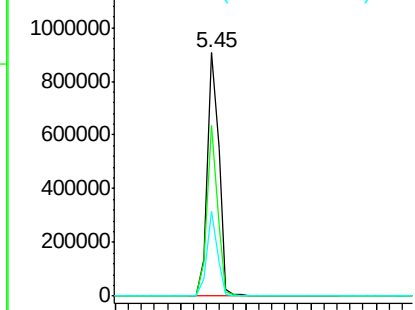
#5

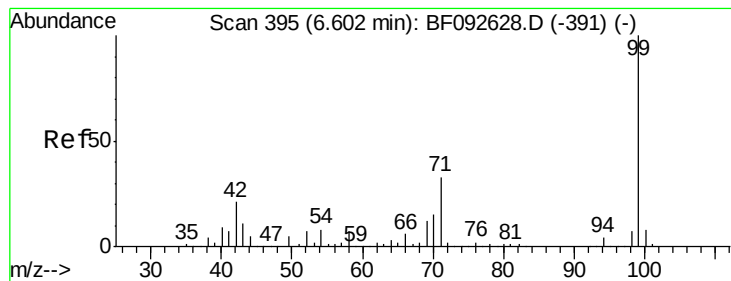
2-Fluorophenol
Concen: 138.03 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Tgt Ion:112 Resp: 1128616
Ion Ratio Lower Upper
112 100
64 70.0 46.1 69.1#
63 34.7 23.8 35.6



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: 128.93 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

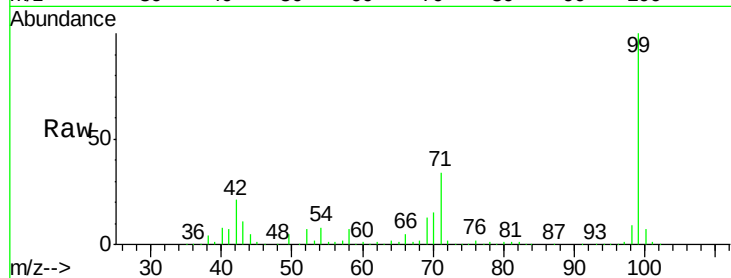
Tgt Ion: 99 Resp: 1356415

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

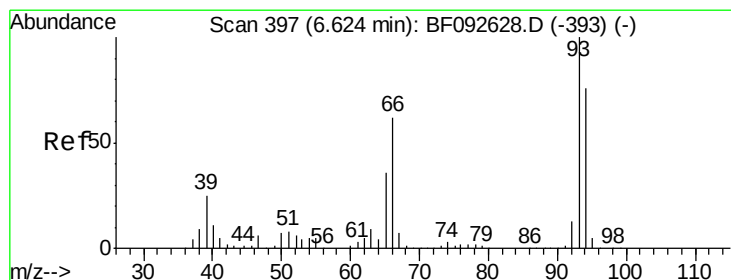
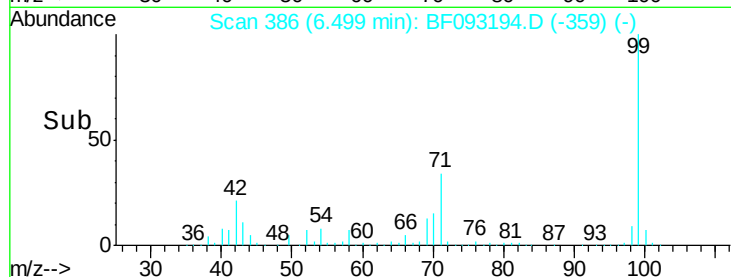
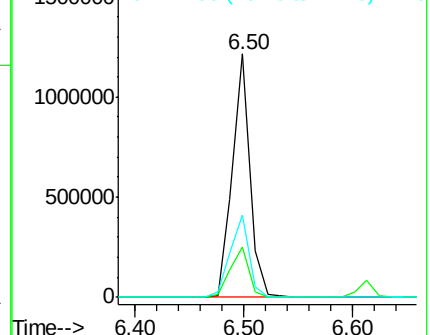
71 33.9 27.5 41.3



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: 7.50 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

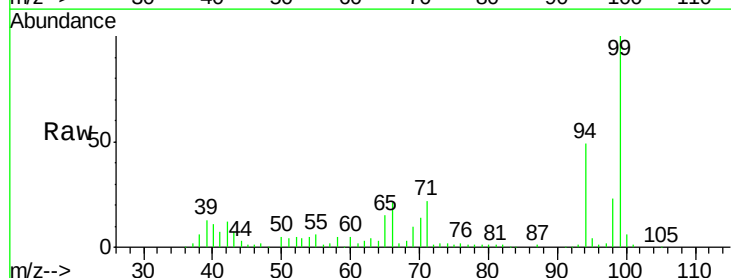
Tgt Ion: 94 Resp: 92266

Ion Ratio Lower Upper

94 100

65 30.9 21.4 61.4

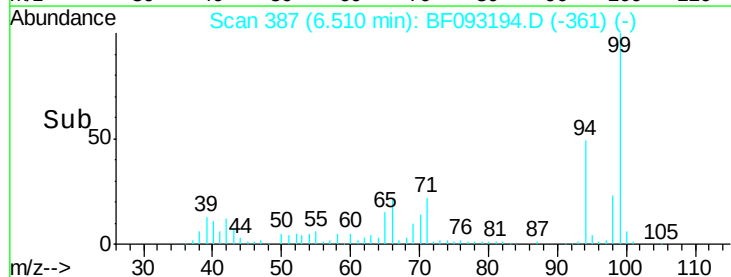
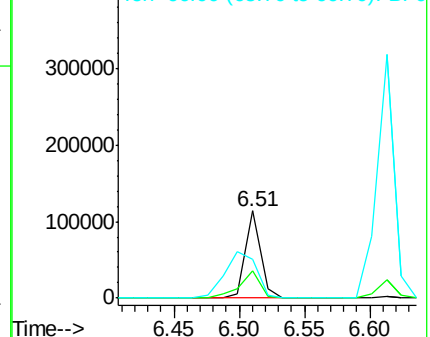
66 43.9 44.0 84.0#

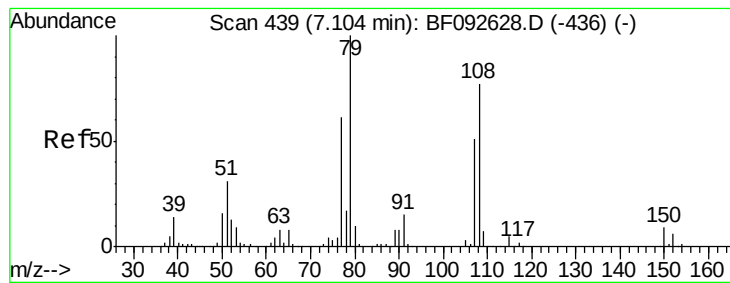


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

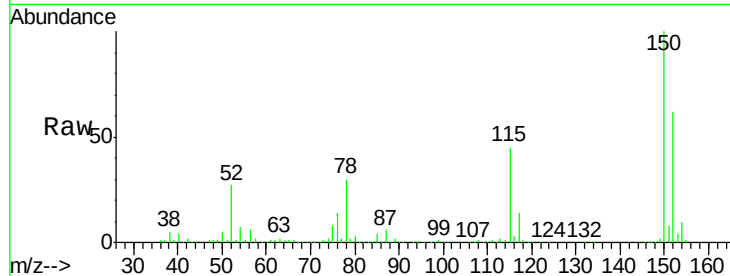
Tgt Ion: 79 Resp: 16044

Ion Ratio Lower Upper

79 100

108 24.9 61.4 92.0#

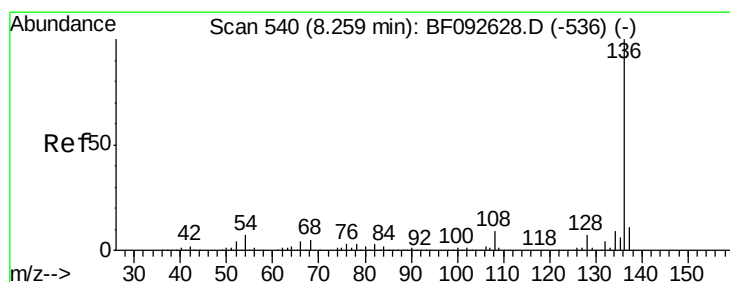
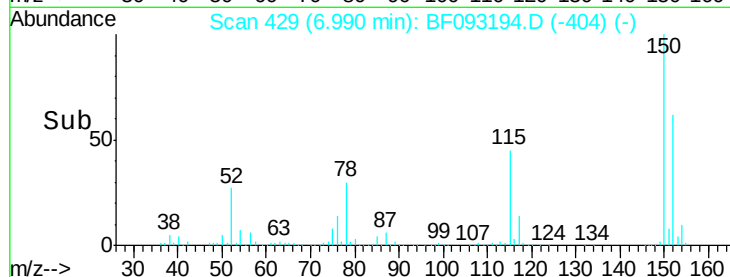
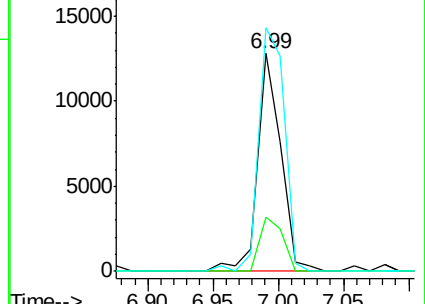
77 112.0 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Tgt Ion: 136 Resp: 515914

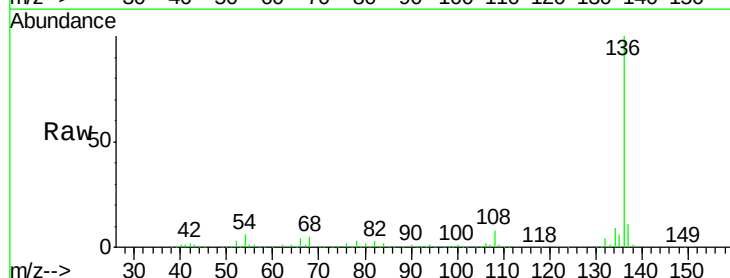
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 6.5 4.5 6.7

68 5.1 3.6 5.4

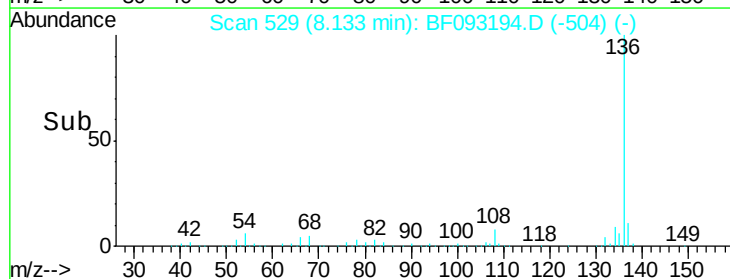
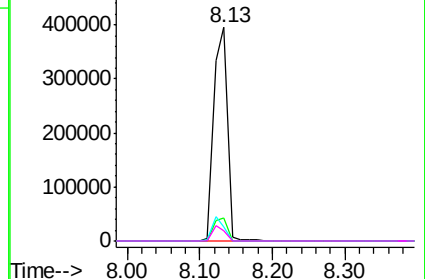


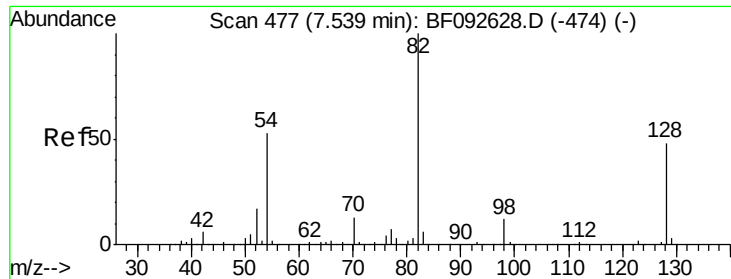
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

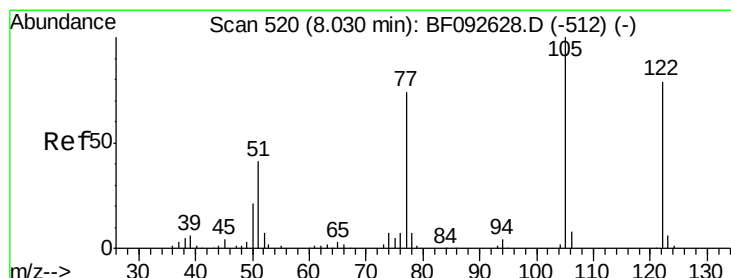
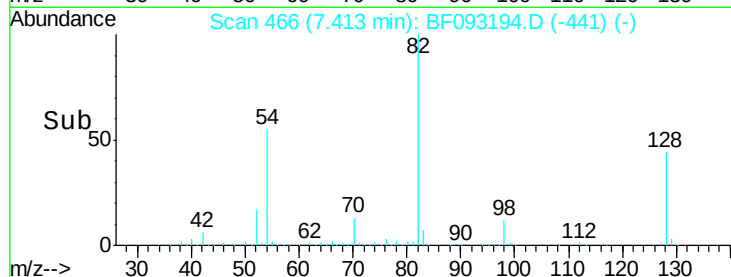
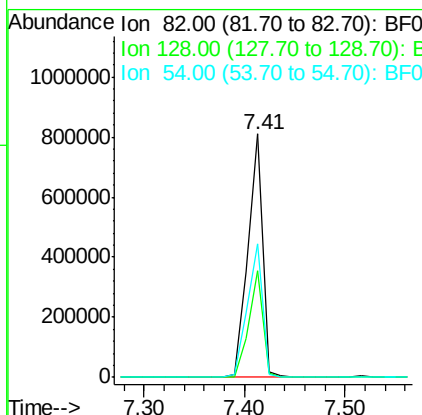
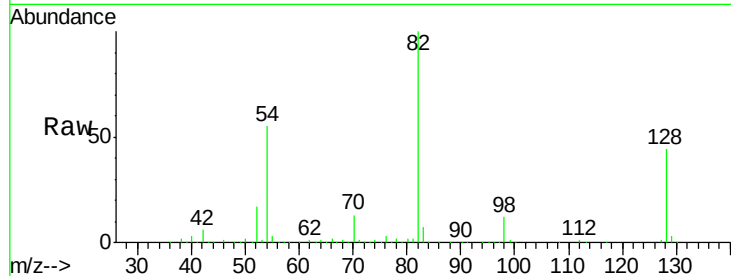




#23
 Nitrobenzene-d5
 Concen: 89.42 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093194.D
 Acq: 25 Feb 2017 15:53

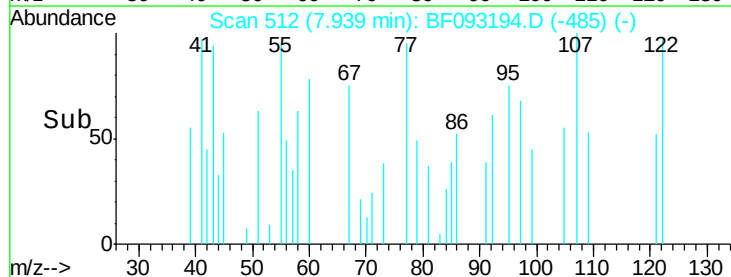
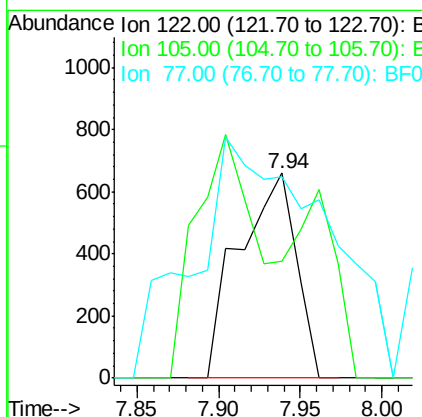
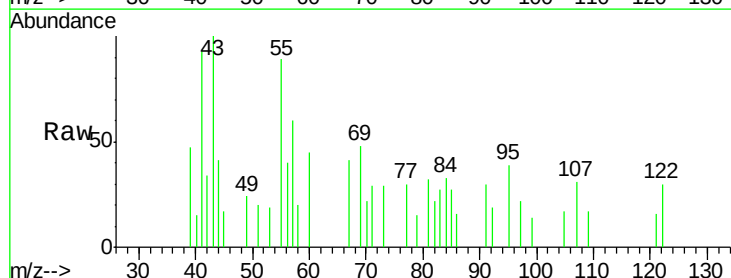
Instrument :
 BNA_F
 ClientSampleId :
 E2-Y6S-SW

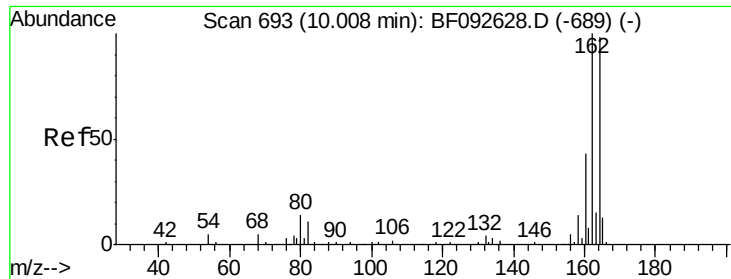
Tgt Ion: 82 Resp: 828413
 Ion Ratio Lower Upper
 82 100
 128 44.0 34.6 52.0
 54 55.0 39.5 59.3



#32
 Benzoic acid
 Concen: 7.47 ng
 RT: 7.94 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: BF093194.D
 Acq: 25 Feb 2017 15:53

Tgt Ion: 122 Resp: 1609
 Ion Ratio Lower Upper
 122 100
 105 57.2 107.2 147.2#
 77 98.3 74.5 114.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

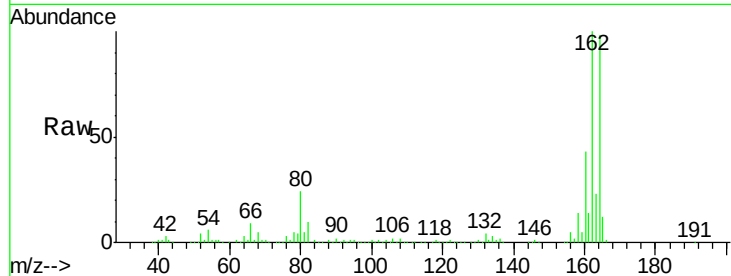
Tgt Ion:164 Resp: 213162

Ion Ratio Lower Upper

164 100

162 102.2 80.2 120.2

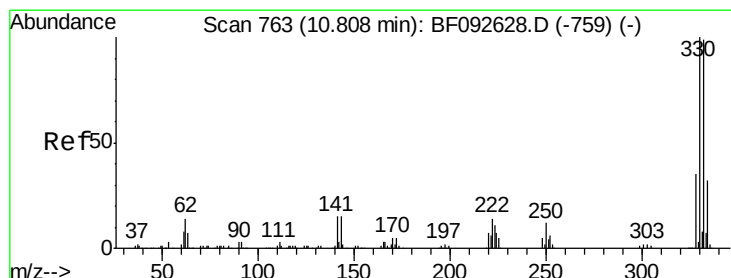
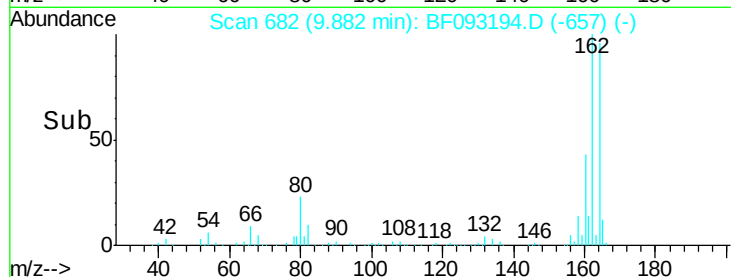
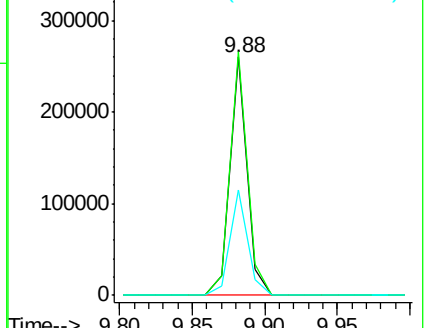
160 44.3 36.9 55.3



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: 139.58 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

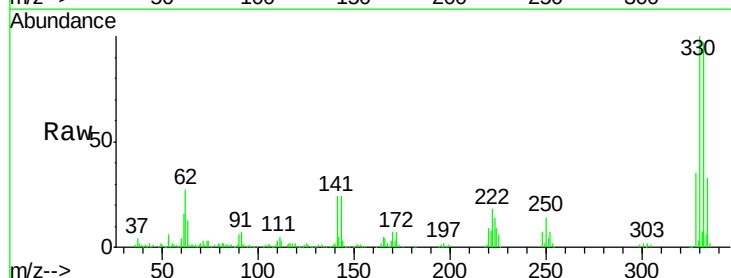
Tgt Ion:330 Resp: 215199

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

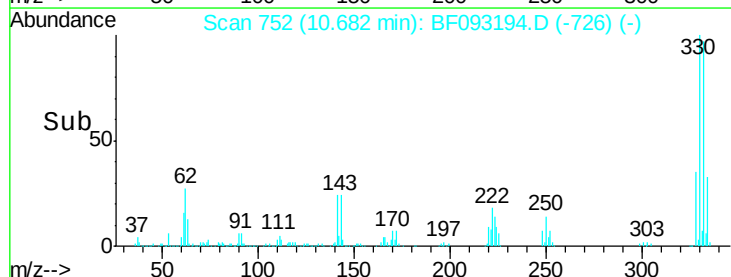
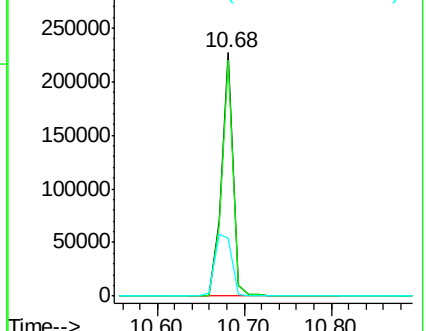
141 38.1 34.1 51.1

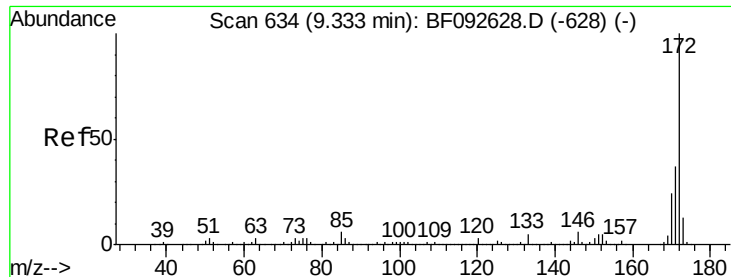


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

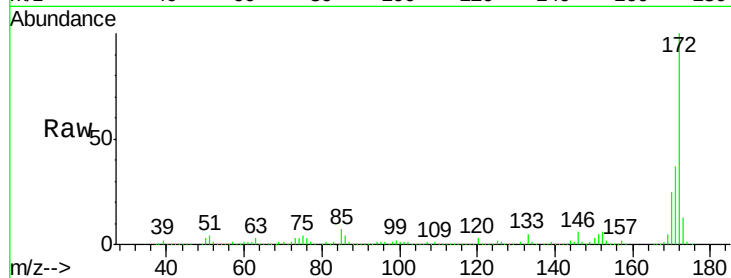




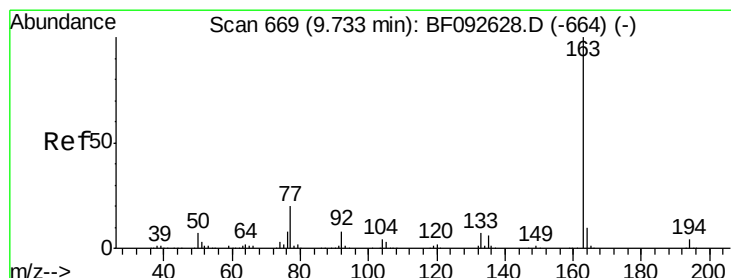
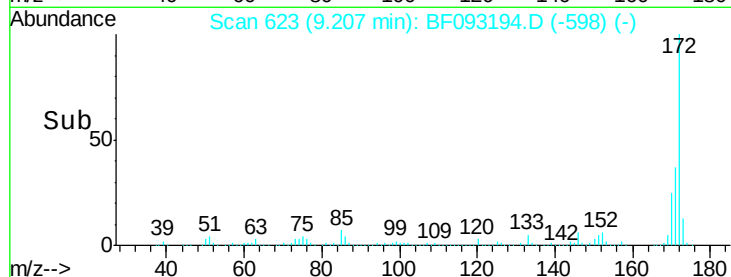
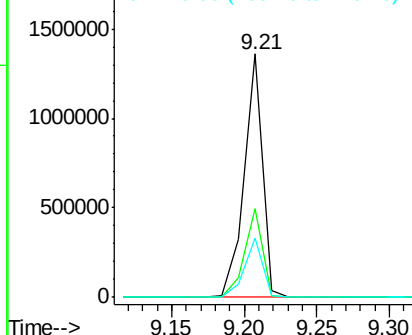
#44
 2-Fluorobiphenyl
 Concen: 101.00 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093194.D
 Acq: 25 Feb 2017 15:53

Instrument :
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Tgt Ion:172 Resp: 1188355
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.5 20.2 30.4

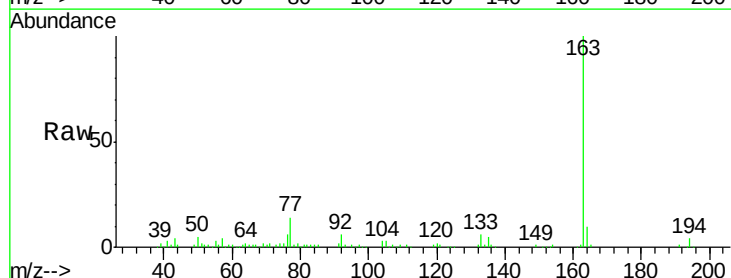


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

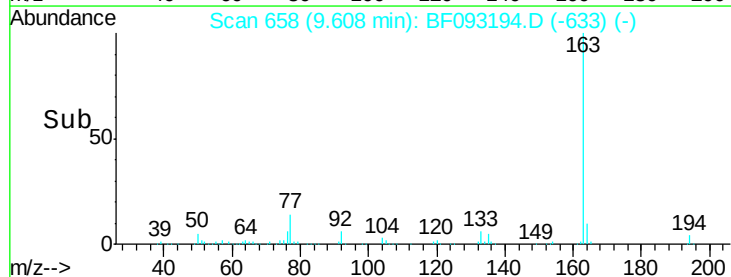
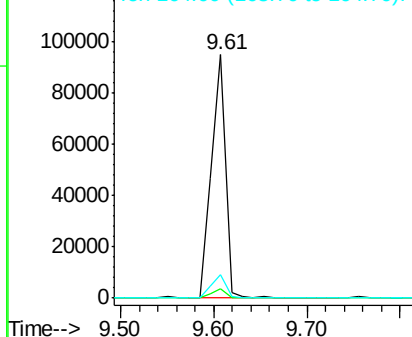


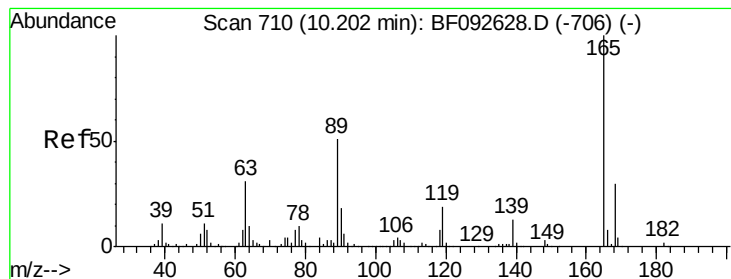
#49
 Dimethylphthalate
 Concen: 7.02 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF093194.D
 Acq: 25 Feb 2017 15:53

Tgt Ion:163 Resp: 100823
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.0 4.4
 164 9.7 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





#56

2,4-Dinitrotoluene

Concen: 6.56 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

Tgt Ion:165 Resp: 27060

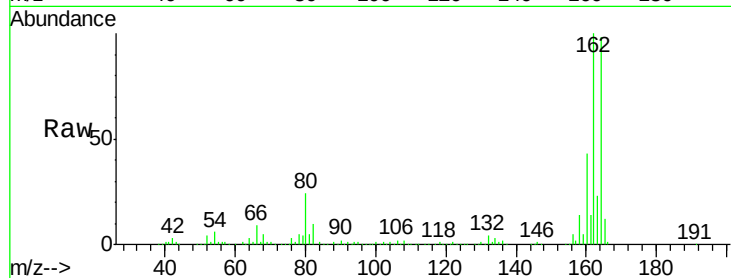
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

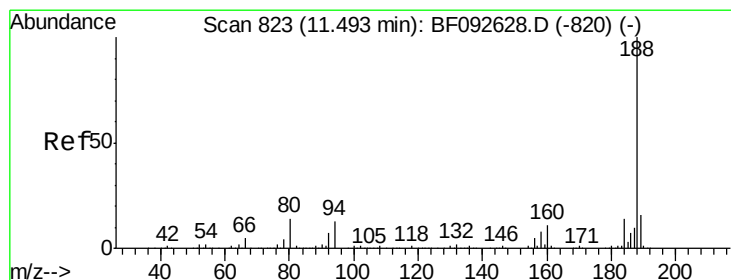
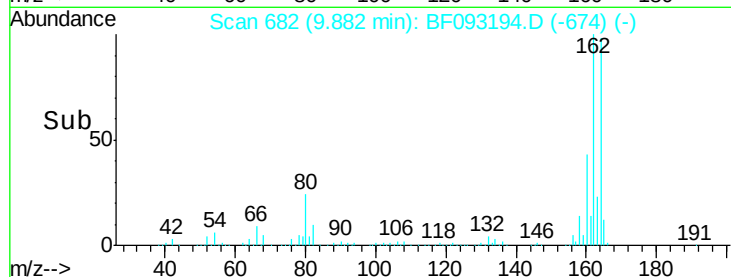
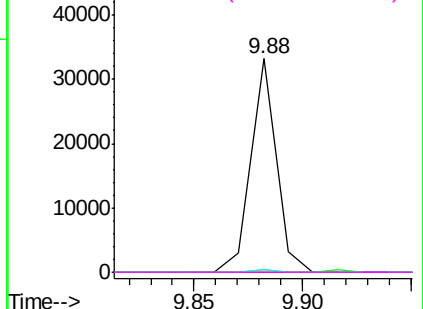


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

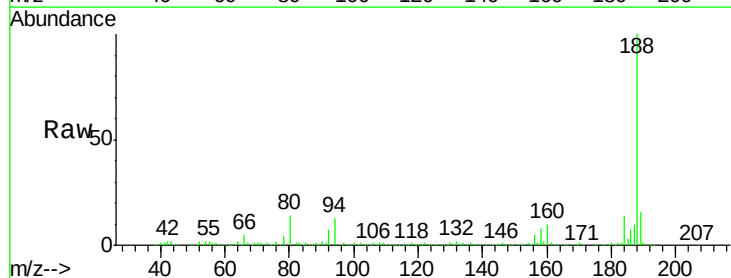
Tgt Ion:188 Resp: 332471

Ion Ratio Lower Upper

188 100

94 12.8 10.0 15.0

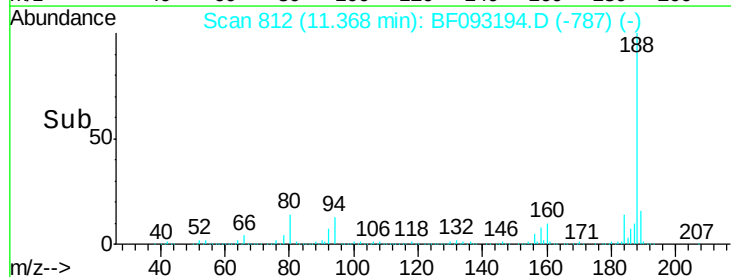
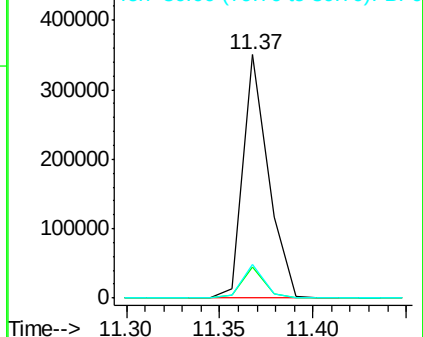
80 13.9 11.2 16.8

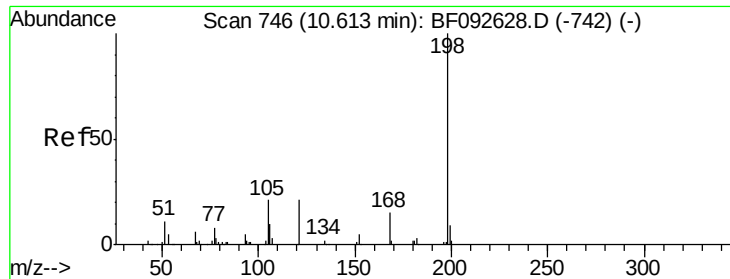


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

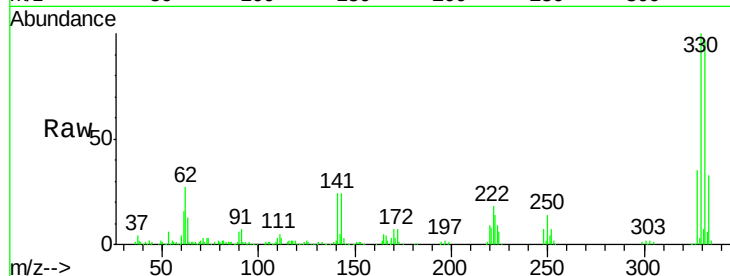




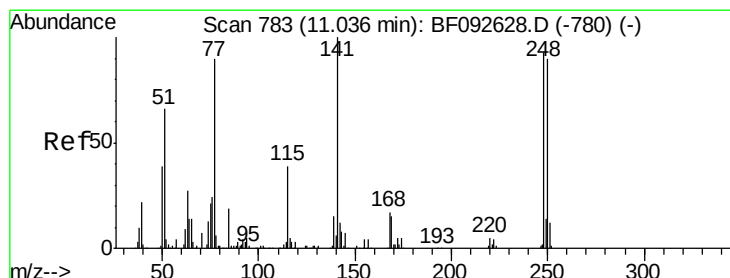
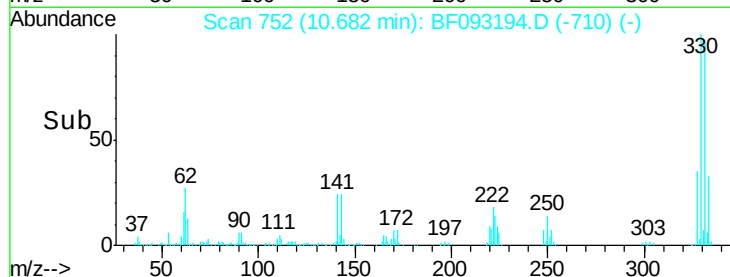
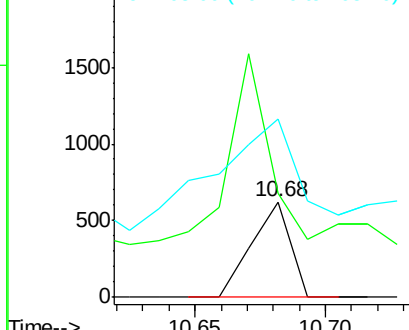
#64
4,6-Dinitro-2-methylphenol
Concen: 2.97 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Instrument :
BNA_F
ClientSampleId :
E2-Y6S-SW

Tgt Ion:198 Resp: 646
Ion Ratio Lower Upper
198 100
51 109.3 6.7 46.7#
105 186.5 16.6 56.6#

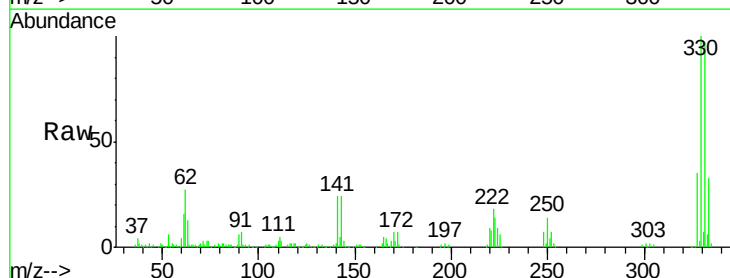


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

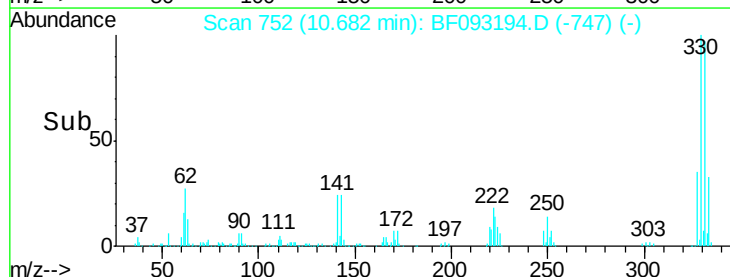
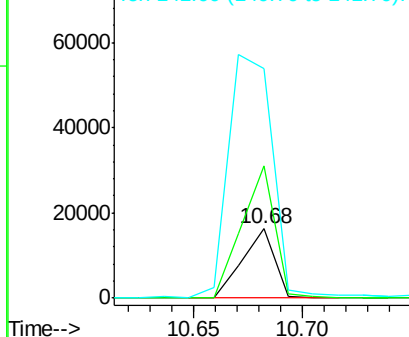


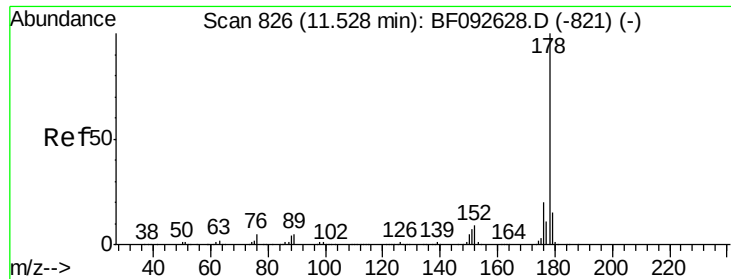
#66
4-Bromophenyl-phenylether
Concen: 4.79 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.24 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Tgt Ion:248 Resp: 16622
Ion Ratio Lower Upper
248 100
250 190.7 76.9 115.3#
141 332.8 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

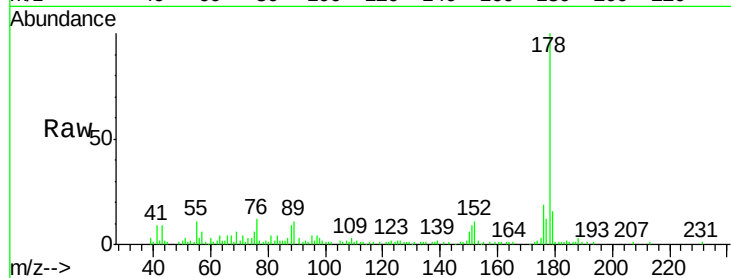




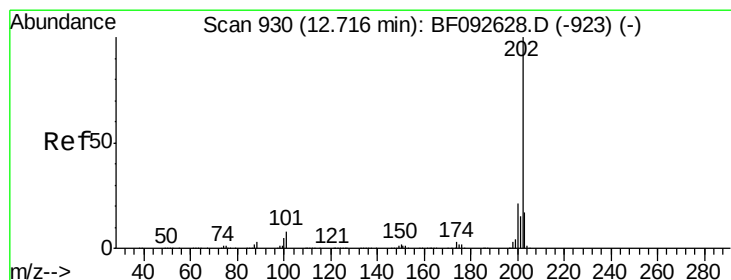
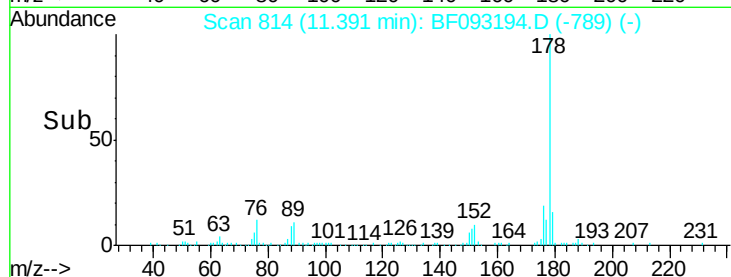
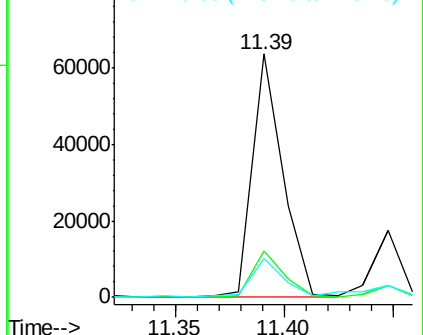
#70
Phenanthrene
Concen: 3.27 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Instrument :
BNA_F
ClientSampleId :
E2-Y6S-SW

Tgt Ion:178 Resp: 62379
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 15.7 12.8 19.2

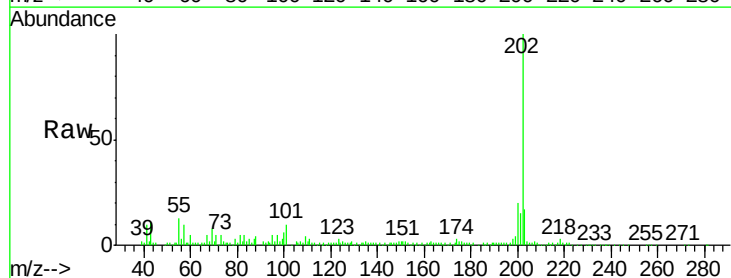


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

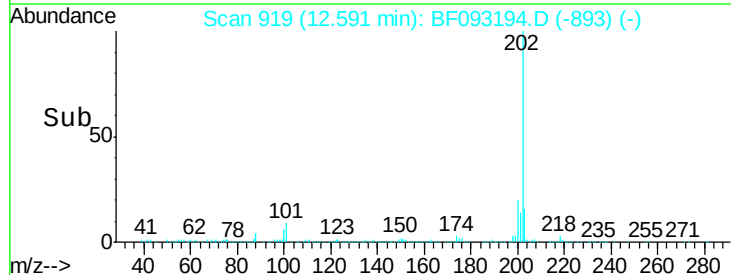
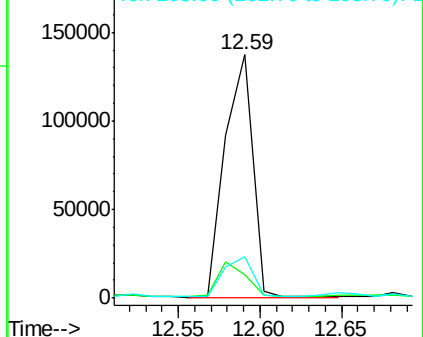


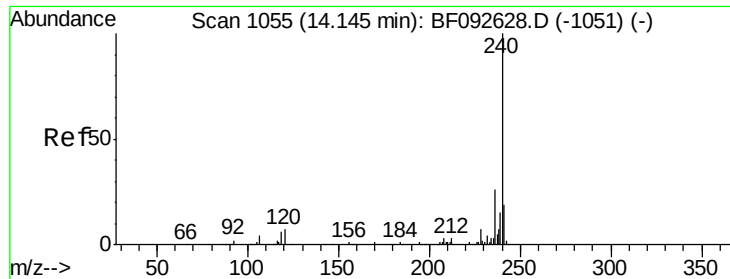
#74
Fluoranthene
Concen: 8.20 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.00 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Tgt Ion:202 Resp: 161129
Ion Ratio Lower Upper
202 100
101 9.5 0.0 34.6
203 16.8 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: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

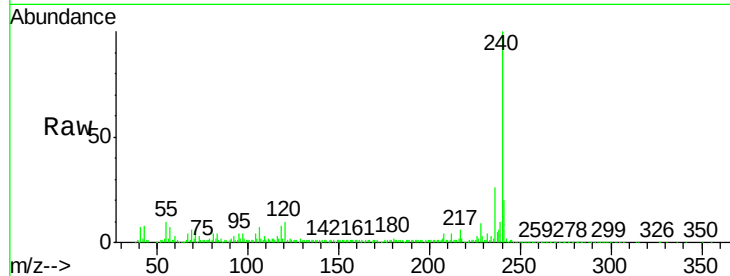
Tgt Ion:240 Resp: 325502

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

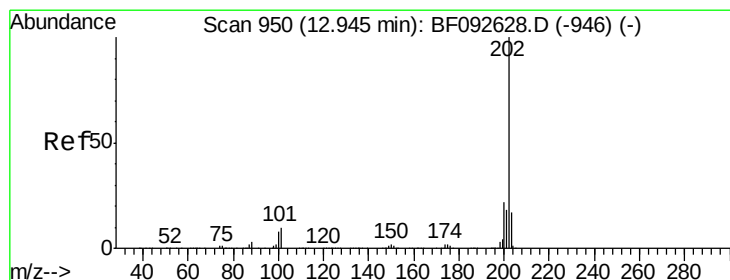
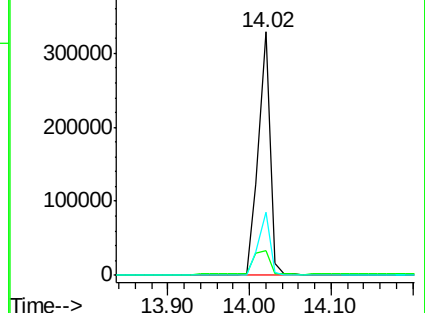
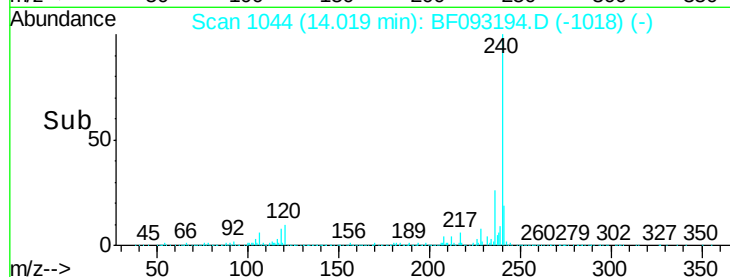
236 25.7 20.9 31.3



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

Pyrene

Concen: 7.31 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

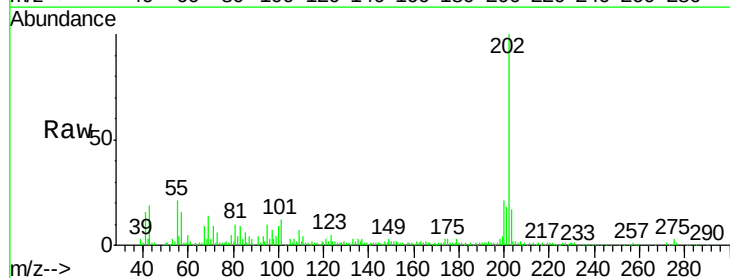
Tgt Ion:202 Resp: 178110

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

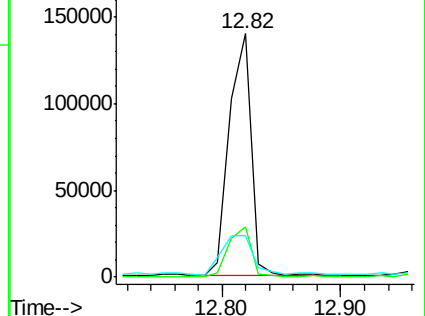
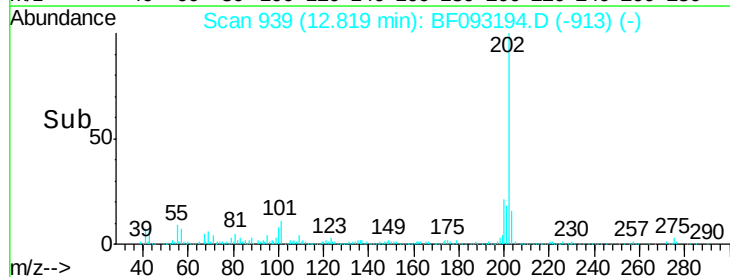
203 17.2 14.7 22.1

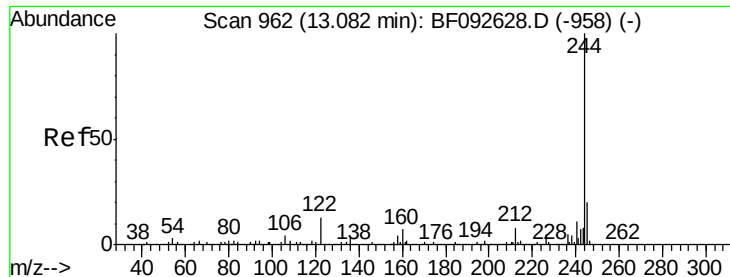


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.54 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

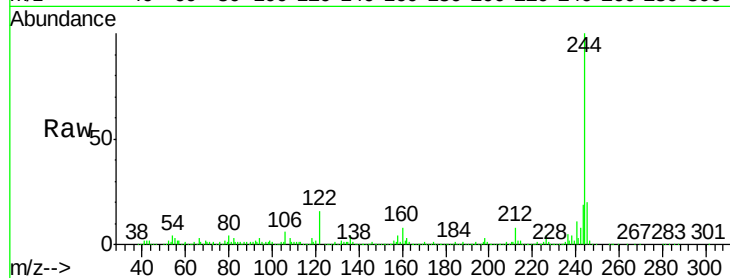
Tgt Ion:244 Resp: 755500

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

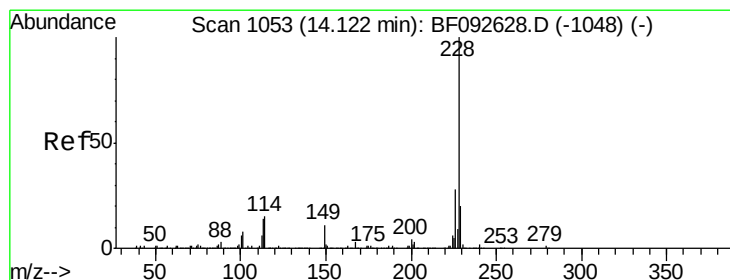
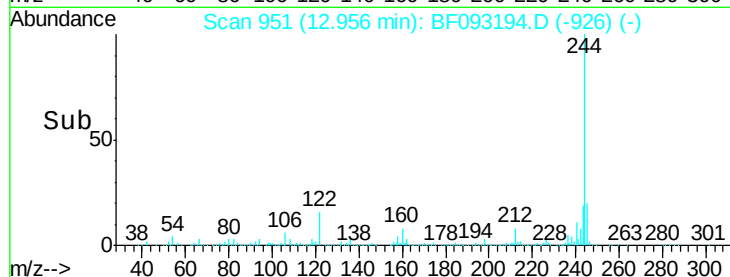
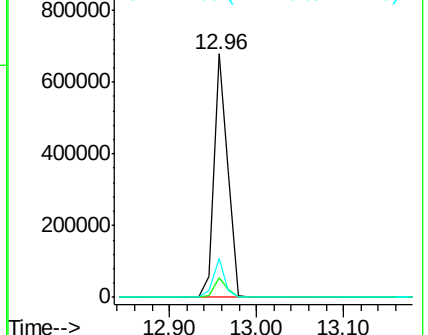
122 16.0 11.4 17.2



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: 8.75 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

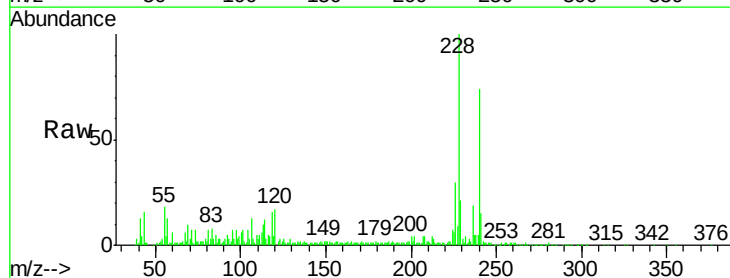
Tgt Ion:228 Resp: 174221

Ion Ratio Lower Upper

228 100

226 29.6 22.4 33.6

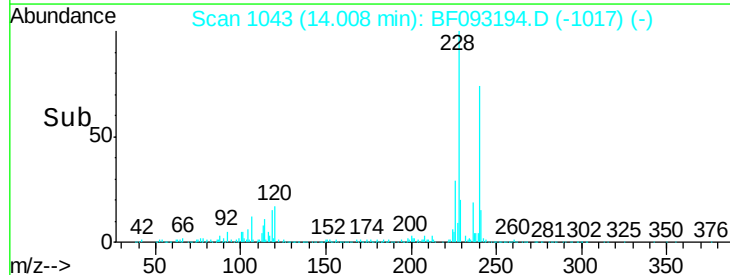
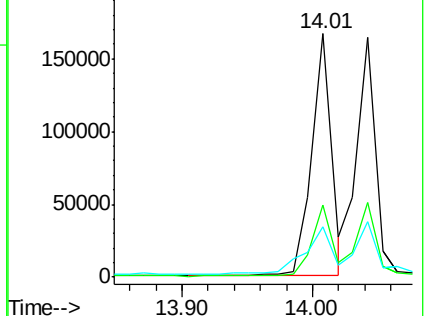
229 20.9 16.2 24.4

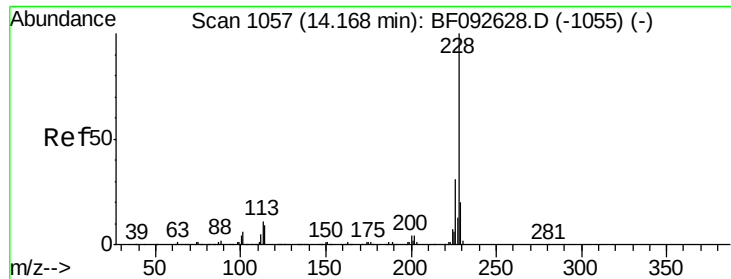


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.35 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

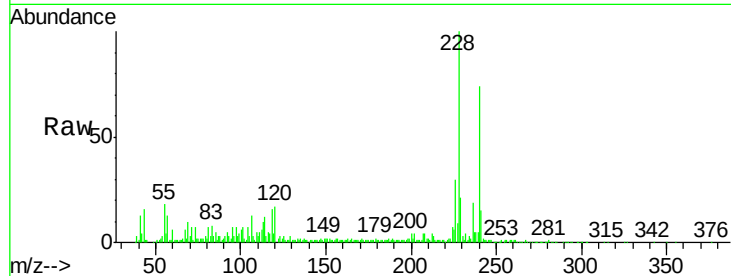
Tgt Ion:228 Resp: 174221

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.0

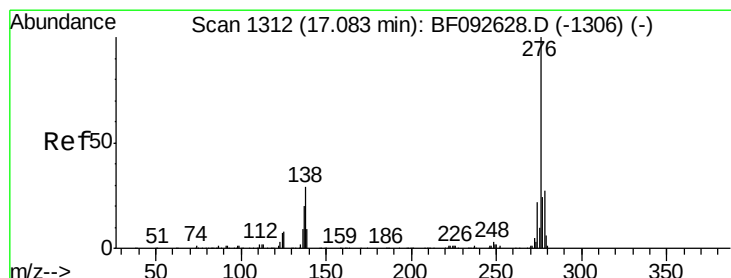
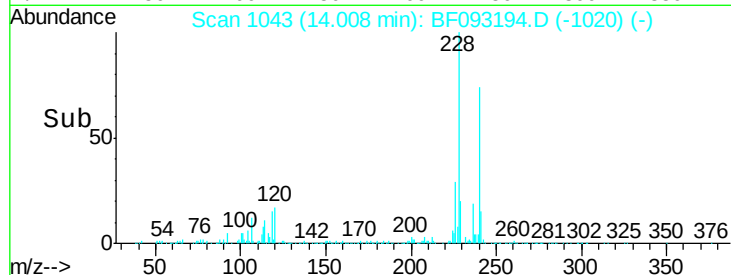
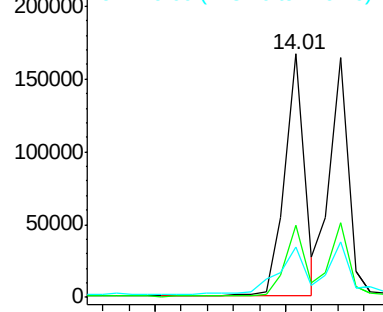
229 20.9 16.2 24.2



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: 5.64 ng

RT: 16.87 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

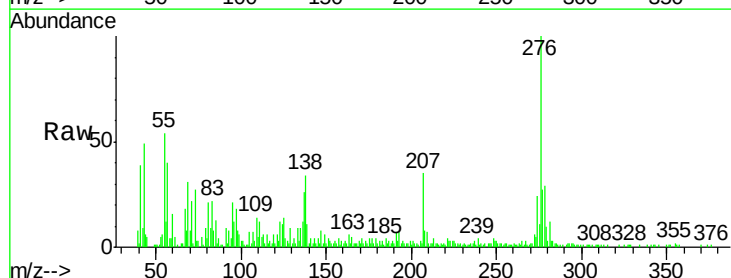
Tgt Ion:276 Resp: 81473

Ion Ratio Lower Upper

276 100

138 28.6 21.8 32.6

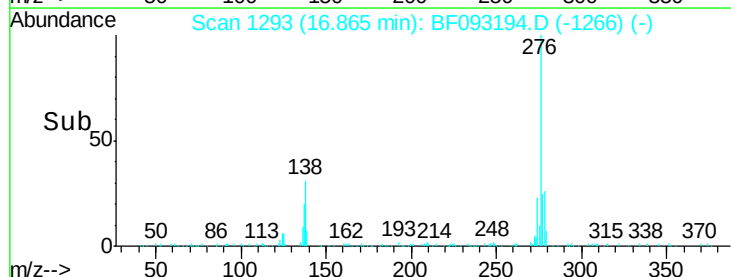
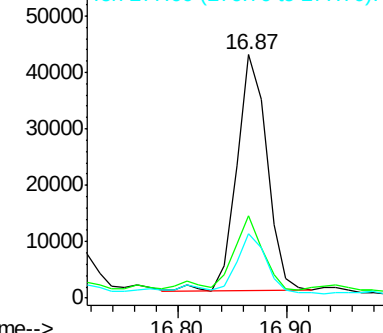
277 24.7 20.2 30.4

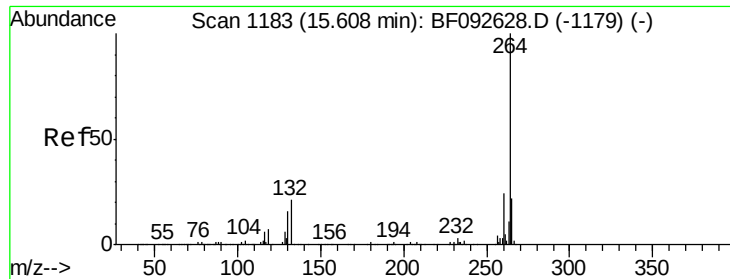


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

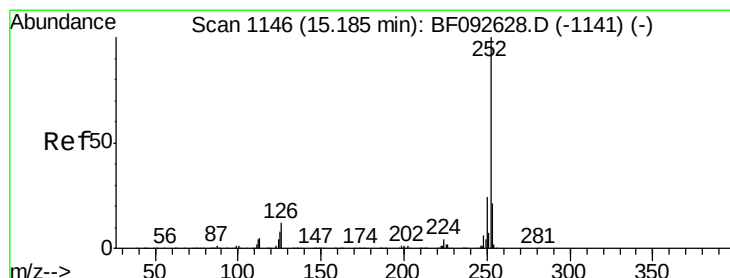
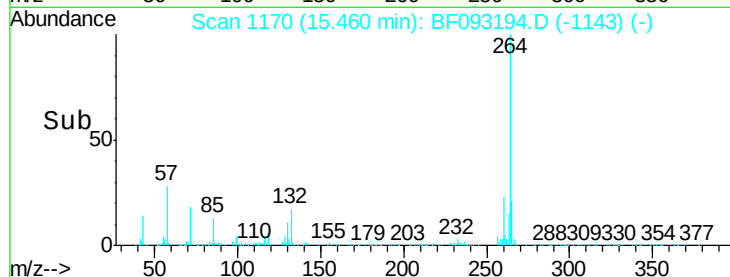
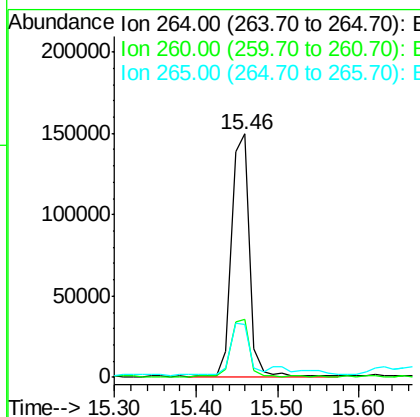
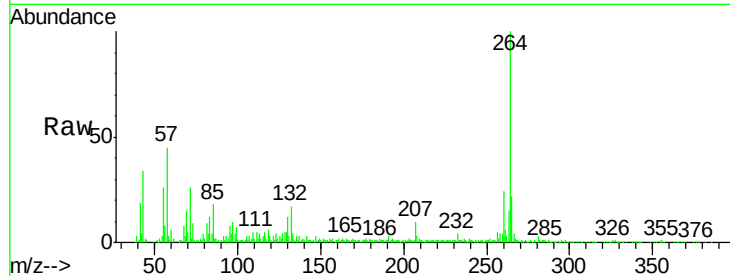




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

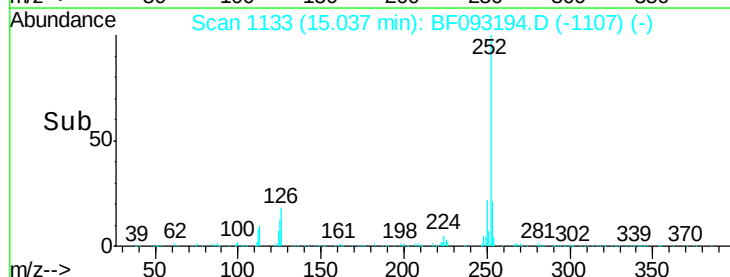
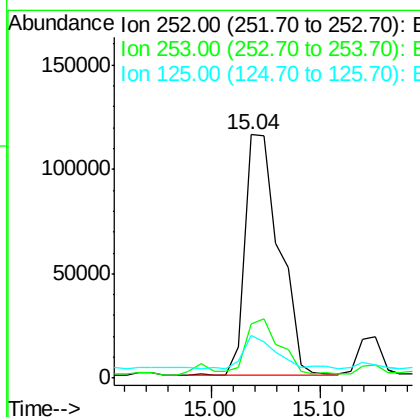
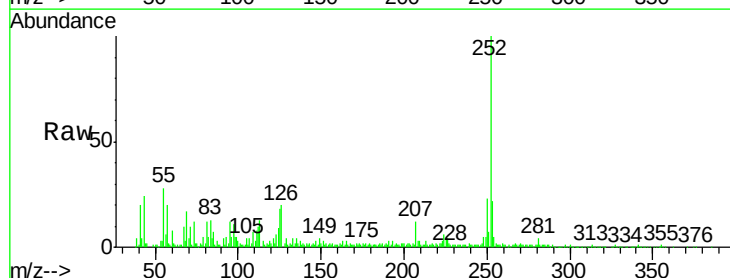
Instrument :
BNA_F
ClientSampleId :
E2-Y6S-SW

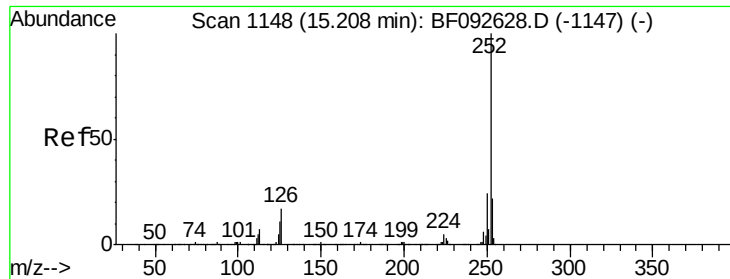
Tgt Ion:264 Resp: 225612
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 16.94 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Tgt Ion:252 Resp: 251587
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 17.5 9.8 14.6#

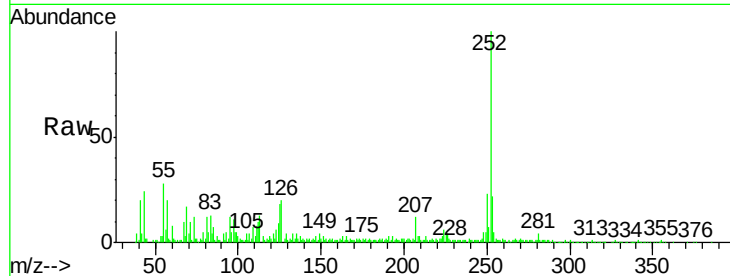




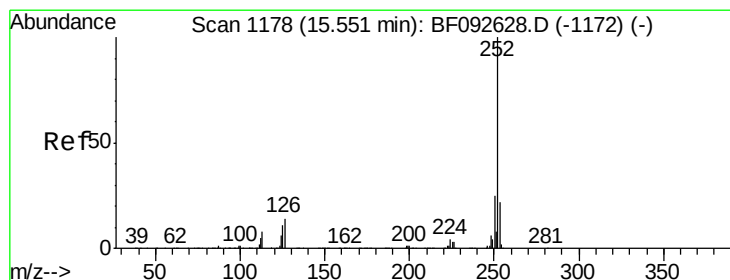
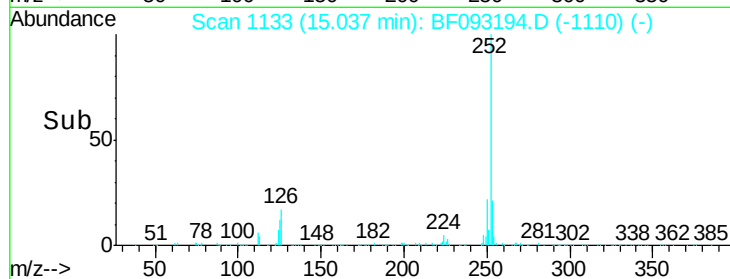
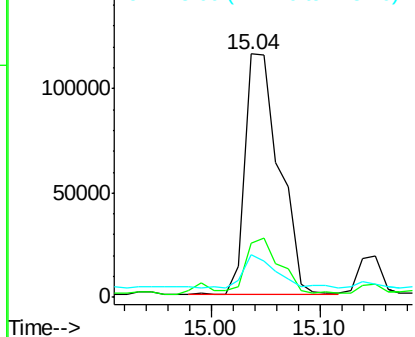
#88
Benzo(k)fluoranthene
Concen: 19.62 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Instrument :
BNA_F
ClientSampleId :
E2-Y6S-SW

Tgt Ion:252 Resp: 251587
Ion Ratio Lower Upper
252 100
253 22.4 18.5 27.7
125 17.5 8.9 13.3#

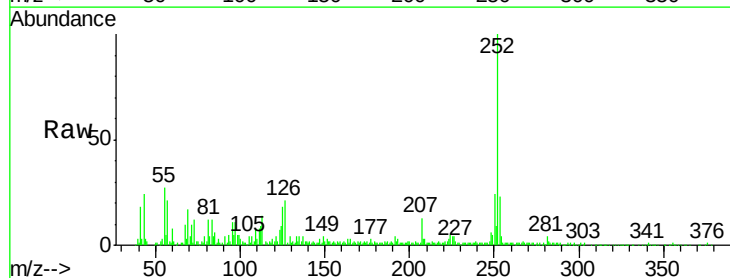


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

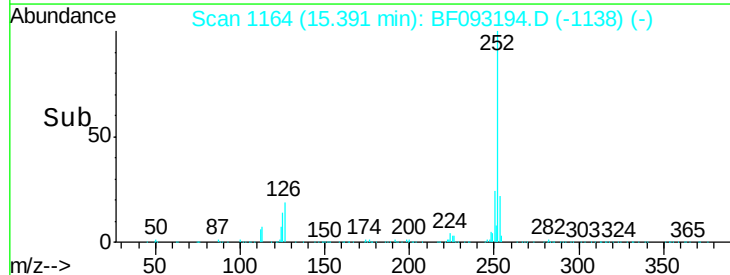
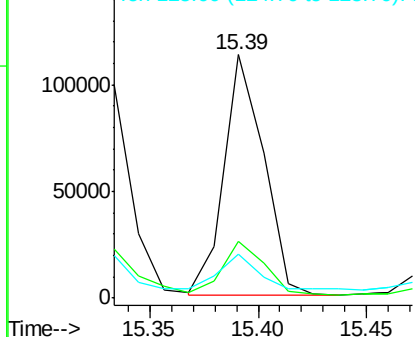


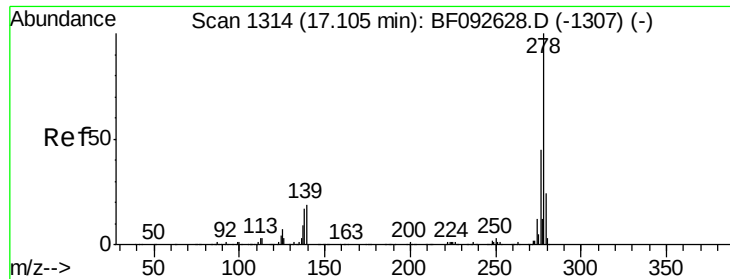
#89
Benzo(a)pyrene
Concen: 11.19 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF093194.D
Acq: 25 Feb 2017 15:53

Tgt Ion:252 Resp: 143767
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 18.2 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





#90

Dibenzo(a,h)anthracene

Concen: 2.71 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

Instrument :

BNA_F

ClientSampleId :

E2-Y6S-SW

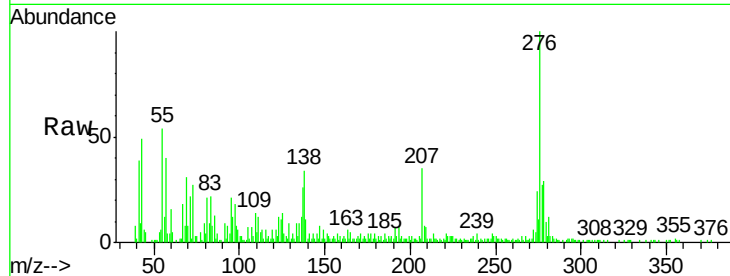
Tgt Ion:278 Resp: 28119

Ion Ratio Lower Upper

278 100

139 38.6 14.8 22.2#

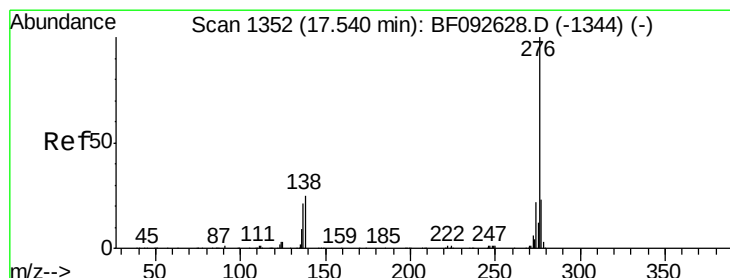
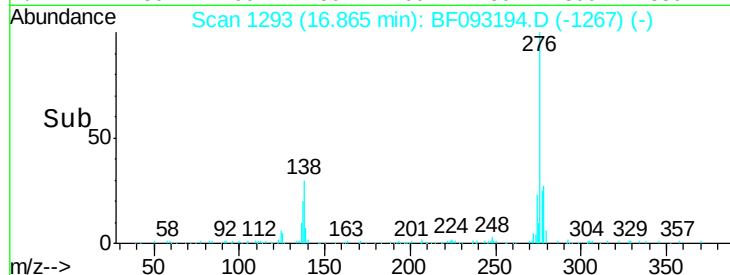
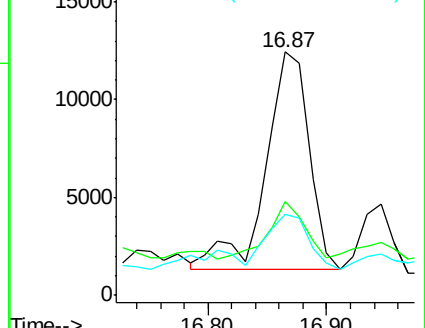
279 33.4 19.8 29.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.77 ng

RT: 17.30 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF093194.D

Acq: 25 Feb 2017 15:53

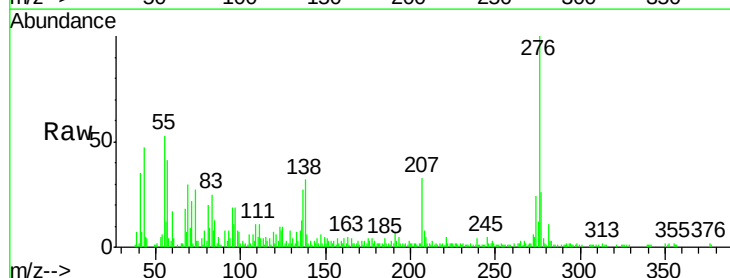
Tgt Ion:276 Resp: 92010

Ion Ratio Lower Upper

276 100

277 26.0 19.2 28.8

138 32.2 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

