

Data File : BF093175.D
Acq On : 25 Feb 2017 7:00
Operator : SJ/MA
Sample : I1973-11
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Quant Time: Feb 26 23:37:15 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	6.83	152	158221	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	603709	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	255370	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	393235	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	311083	20.00	ng	-0.01
86) Perylene-d12	15.44	264	272219	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	869349	94.27	ng	-0.02
7) Phenol-d6	6.48	99	1224990	103.23	ng	-0.01
23) Nitrobenzene-d5	7.40	82	700220	64.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	183666	99.44	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1113912	79.02	ng	-0.02
78) Terphenyl-d14	12.95	244	605297	45.72	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	68327	4.92	ng	# 69
19) n-Nitroso-di-n-propylamine	7.40	70	90644	12.00	ng	# 82
25) Isophorone	7.40	82	630578	31.21	ng	# 65
49) Dimethylphthalate	9.60	163	172769	10.04	ng	100
56) 2,4-Dinitrotoluene	9.87	165	31973	6.47	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	264	2.77	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	13828	3.37	ng	# 1
70) Phenanthrene	11.39	178	68118	3.02	ng	97
74) Fluoranthene	12.58	202	114624	4.93	ng	91
77) Pyrene	12.81	202	99741	4.28	ng	96
80) Benzo(a)anthracene	14.00	228	54637	2.87	ng	94
82) Chrysene	14.00	228	54637	3.07	ng	98
87) Benzo(b)fluoranthene	15.03	252	78285	4.37	ng	97
88) Benzo(k)fluoranthene	15.03	252	78285	5.06	ng	# 95
89) Benzo(a)pyrene	15.37	252	40576	2.62	ng	# 91

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

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E2-B1-B2-BASE-1

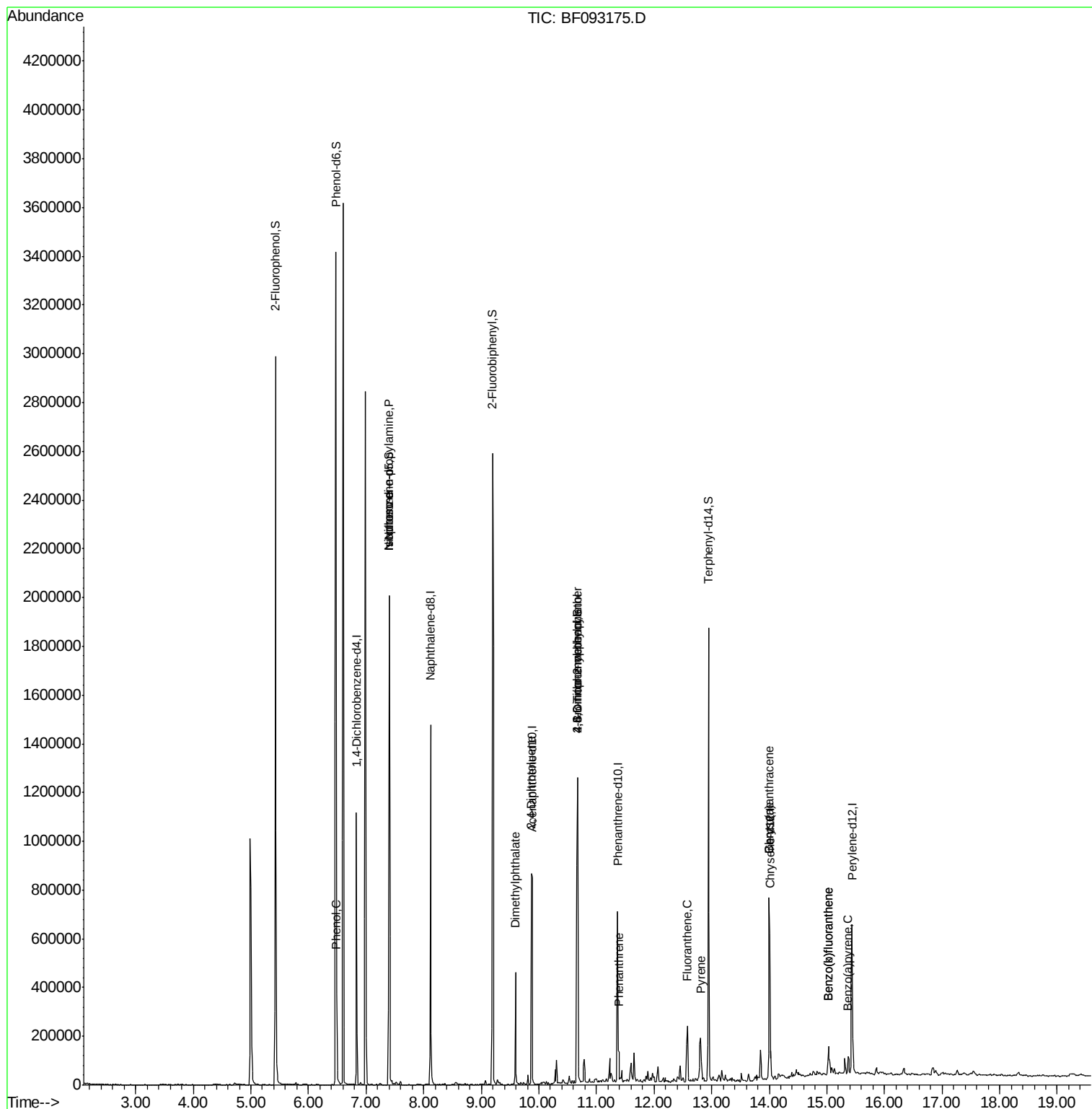
Quant Time: Feb 26 23:37:15 2017

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

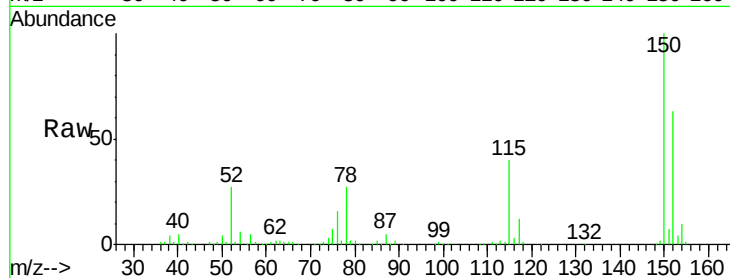
Tgt Ion:152 Resp: 158221

Ion Ratio Lower Upper

152 100

150 158.8 124.9 187.3

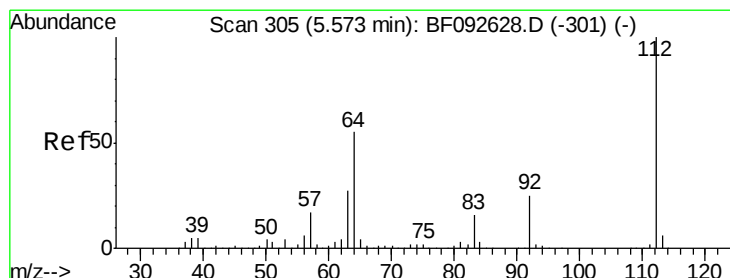
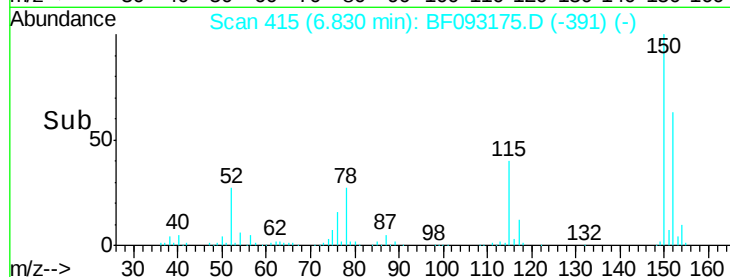
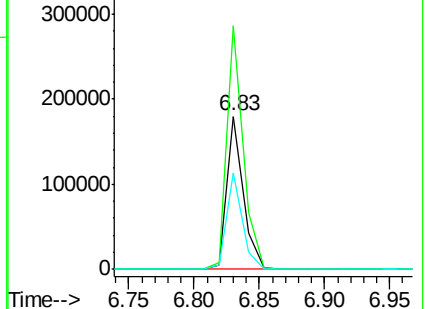
115 63.1 46.0 69.0



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: 94.27 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

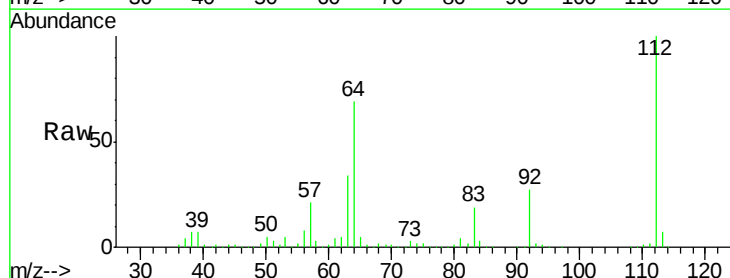
Tgt Ion:112 Resp: 869349

Ion Ratio Lower Upper

112 100

64 69.3 46.1 69.1#

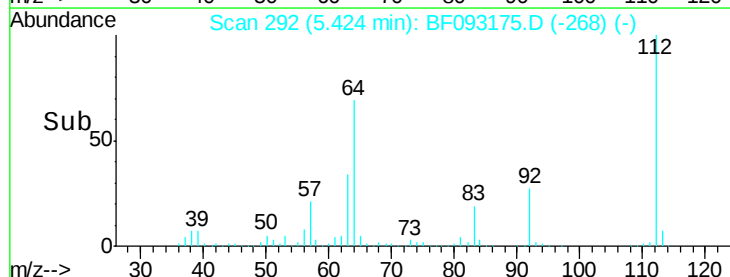
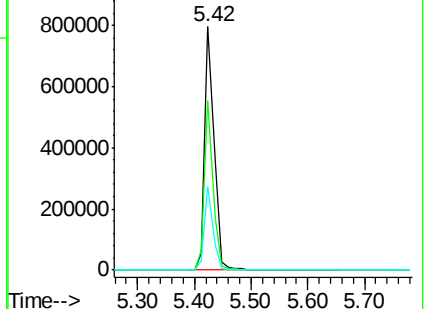
63 34.1 23.8 35.6



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: 103.23 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

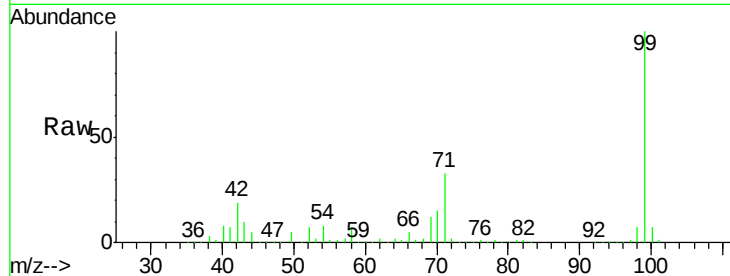
Tgt Ion: 99 Resp: 1224990

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

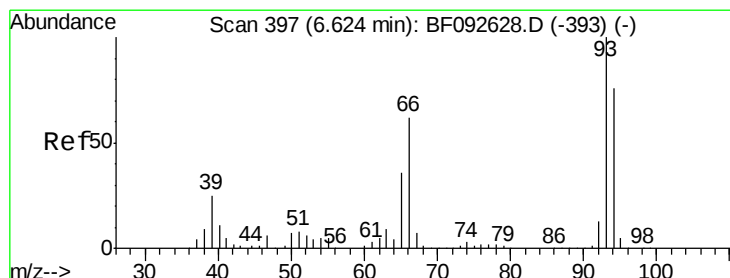
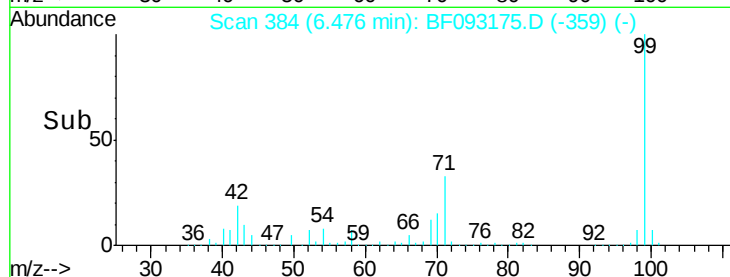
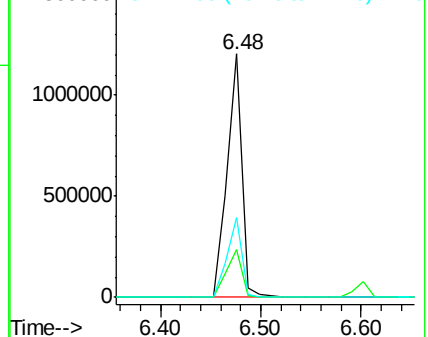
71 32.6 27.5 41.3



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: 4.92 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

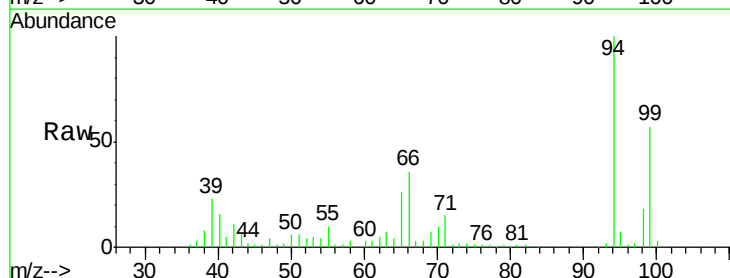
Tgt Ion: 94 Resp: 68327

Ion Ratio Lower Upper

94 100

65 26.4 21.4 61.4

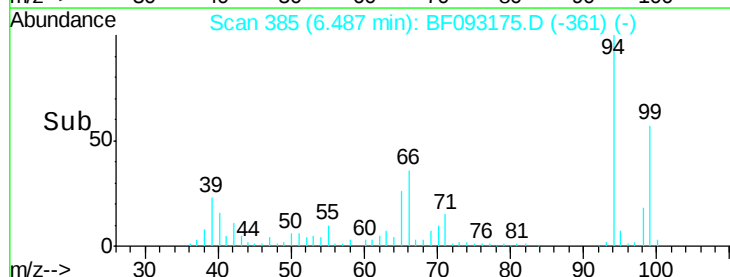
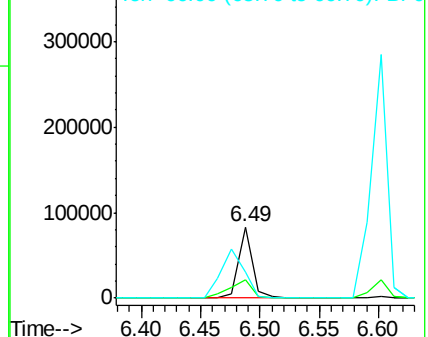
66 36.0 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 12.00 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

Tgt Ion: 70 Resp: 90644

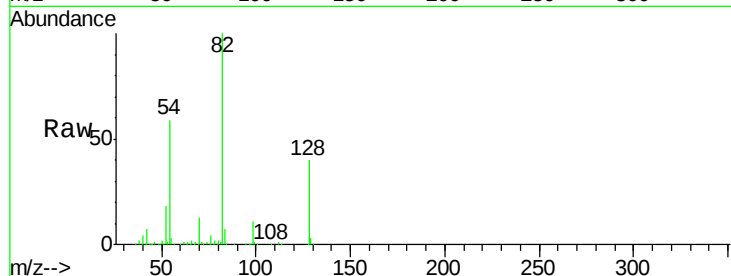
Ion Ratio Lower Upper

70 100

42 53.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

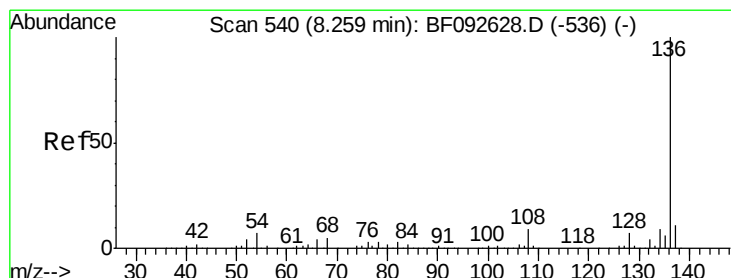
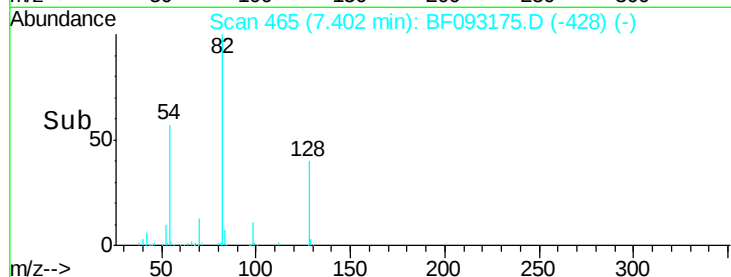
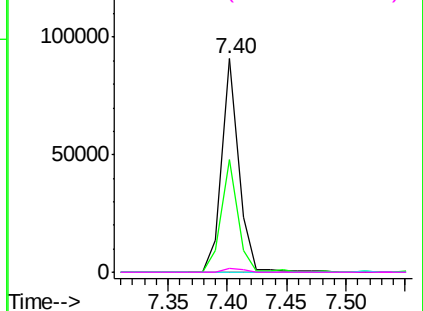


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Tgt Ion: 136 Resp: 603709

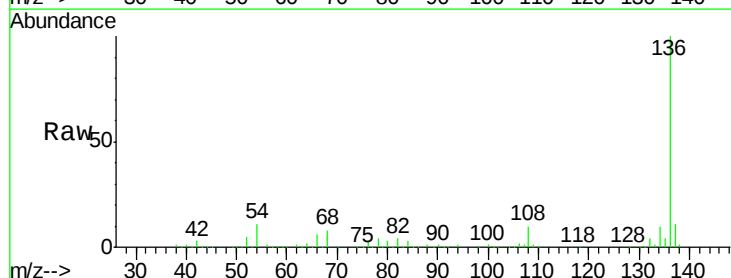
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 10.7 4.5 6.7#

68 7.8 3.6 5.4#

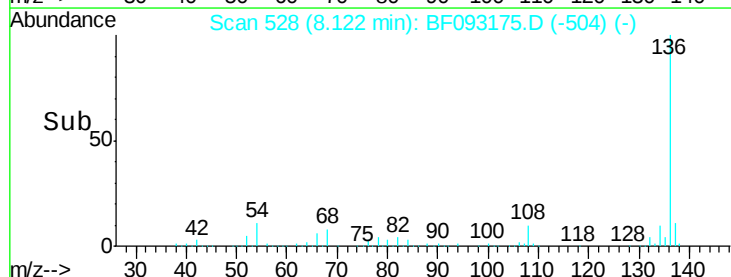
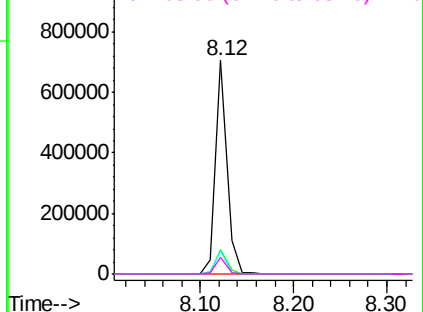


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

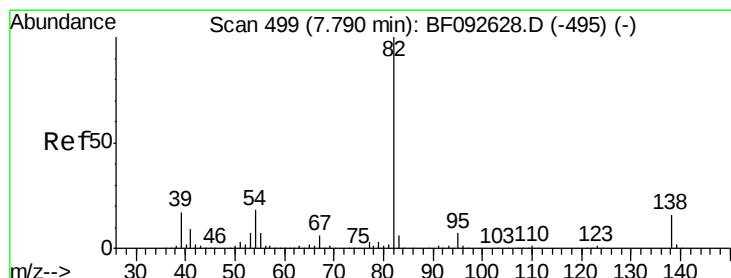
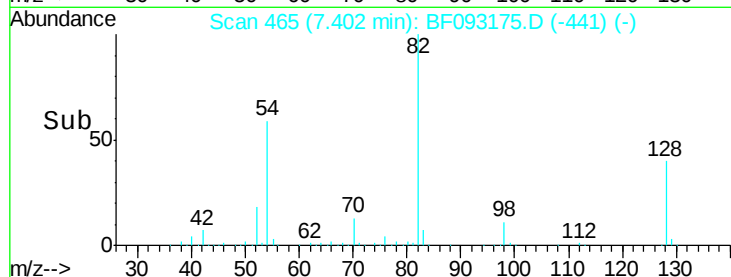
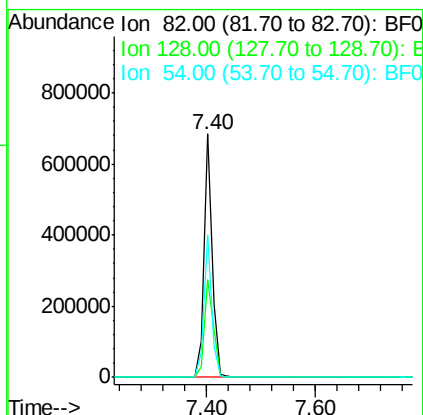
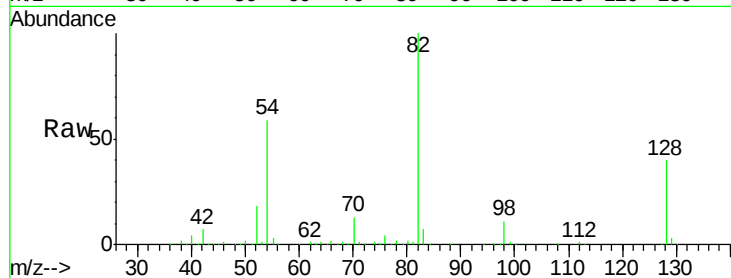




#23
 Nitrobenzene-d5
 Concen: 64.59 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093175.D
 Acq: 25 Feb 2017 7:00

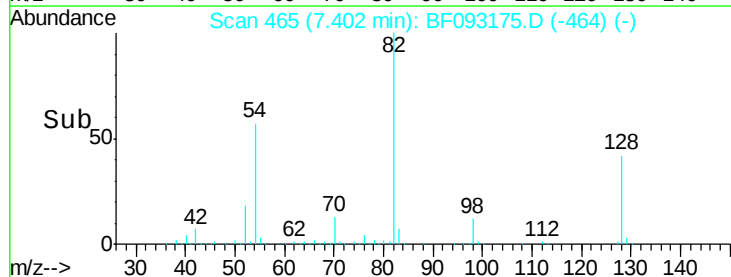
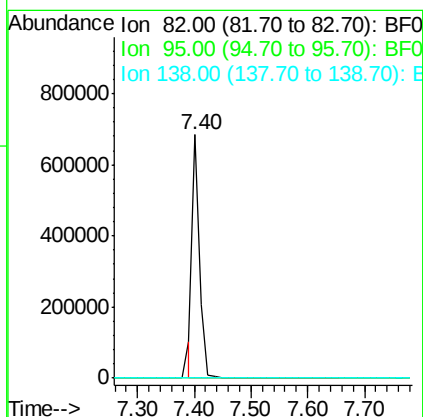
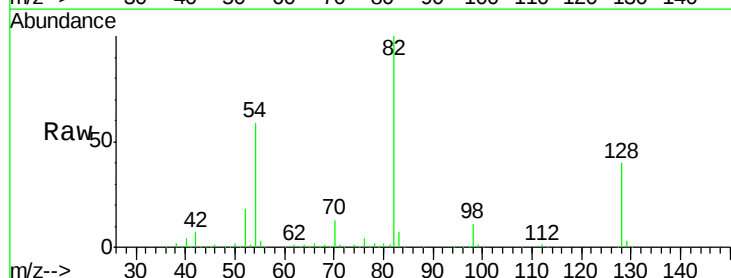
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-1

Tgt Ion: 82 Resp: 700220
 Ion Ratio Lower Upper
 82 100
 128 40.1 34.6 52.0
 54 58.8 39.5 59.3



#25
 Isophorone
 Concen: 31.21 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.29 min
 Lab File: BF093175.D
 Acq: 25 Feb 2017 7:00

Tgt Ion: 82 Resp: 630578
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

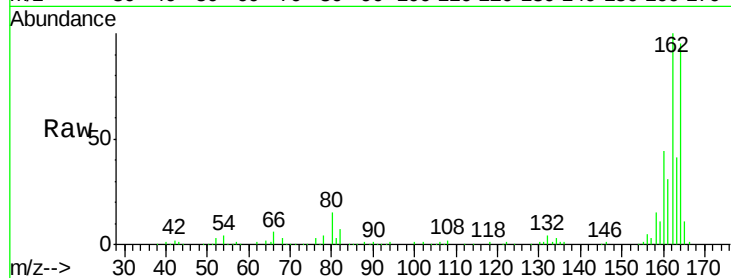
Tgt Ion:164 Resp: 255370

Ion Ratio Lower Upper

164 100

162 105.7 80.2 120.2

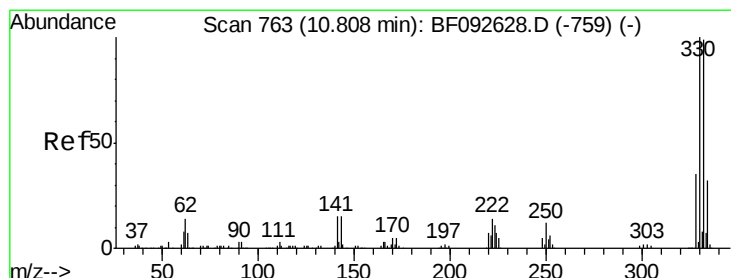
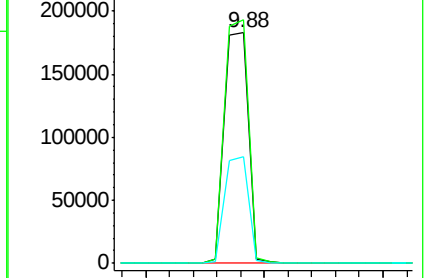
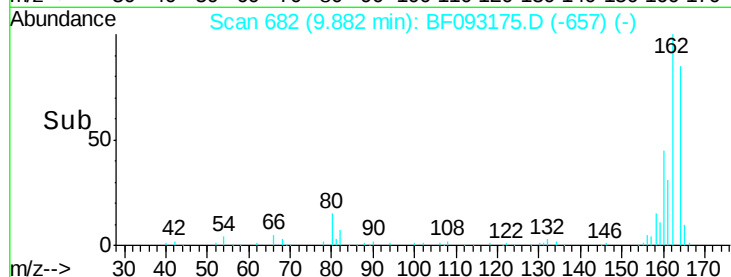
160 46.6 36.9 55.3



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: 99.44 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

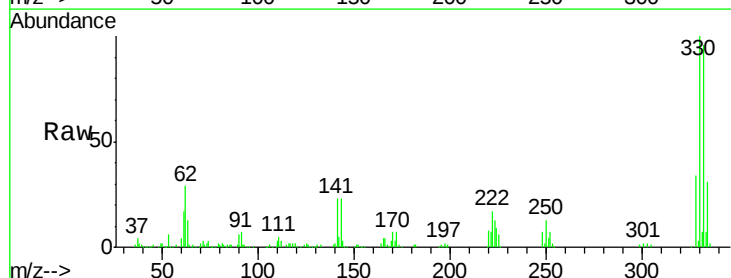
Tgt Ion:330 Resp: 183666

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.2

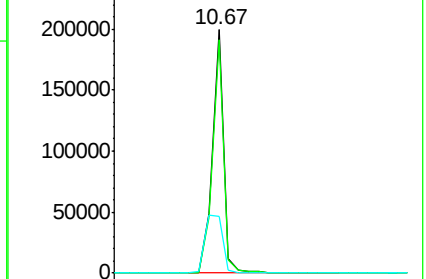
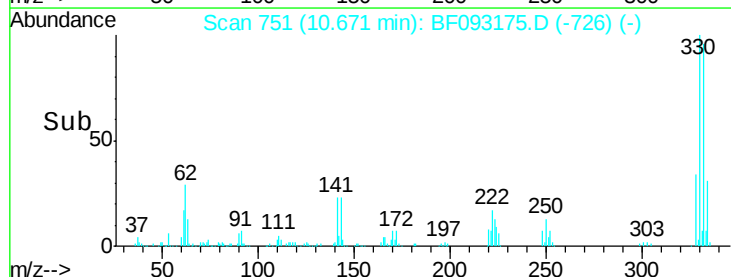
141 36.9 34.1 51.1



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

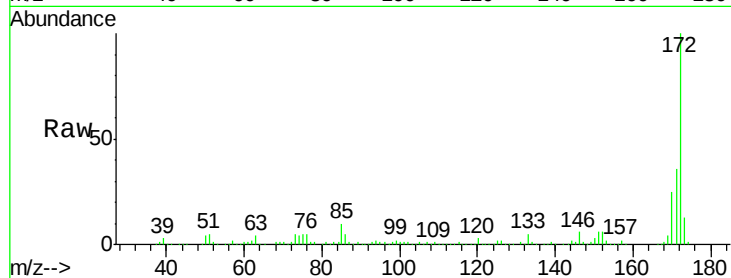




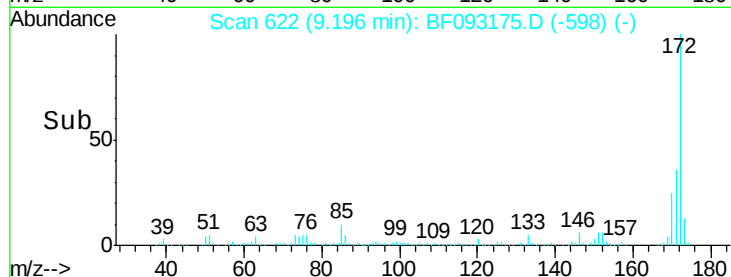
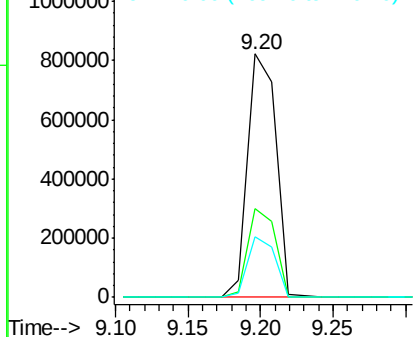
#44
 2-Fluorobiphenyl
 Concen: 79.02 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093175.D
 Acq: 25 Feb 2017 7:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-1

Tgt Ion:172 Resp: 1113912
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.7 20.2 30.4

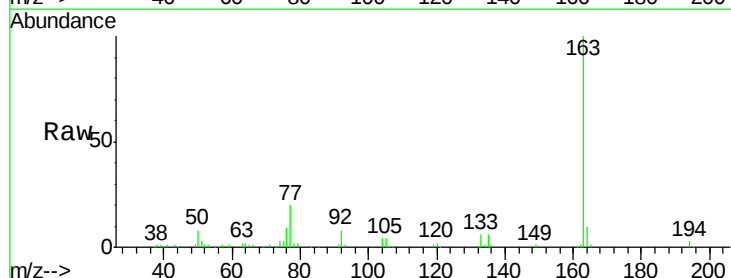


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

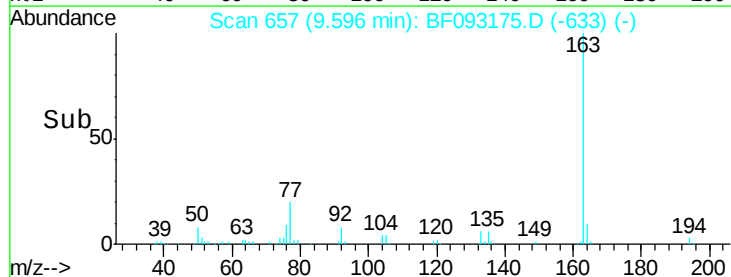
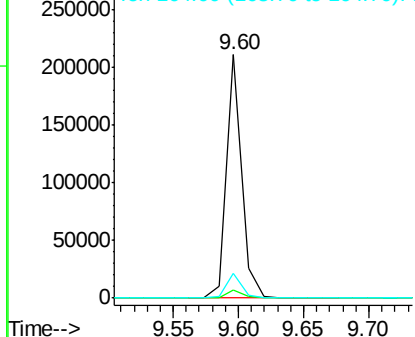


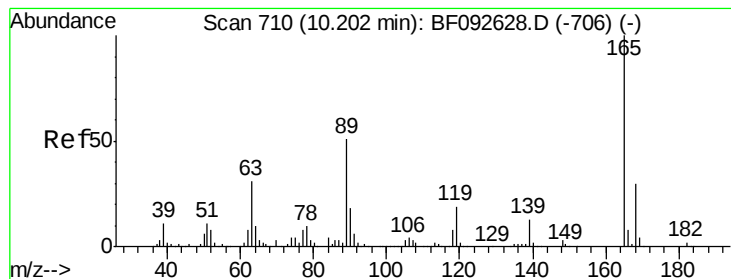
#49
 Dimethylphthalate
 Concen: 10.04 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF093175.D
 Acq: 25 Feb 2017 7:00

Tgt Ion:163 Resp: 172769
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.0 4.4
 164 10.1 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: 6.47 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

Tgt Ion:165 Resp: 31973

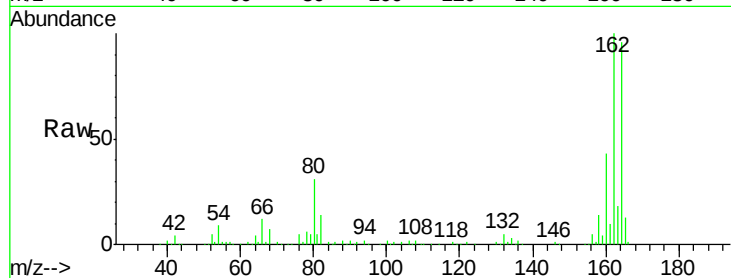
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.8 62.5 93.7#

182 0.0 1.8 2.8#

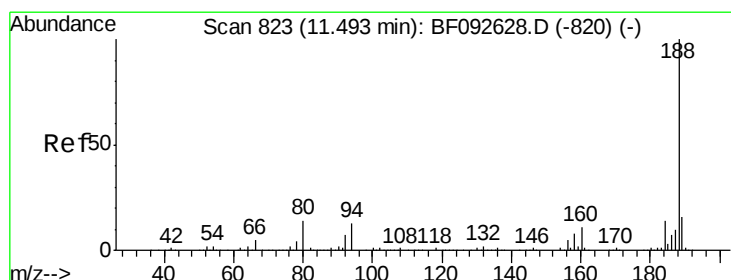
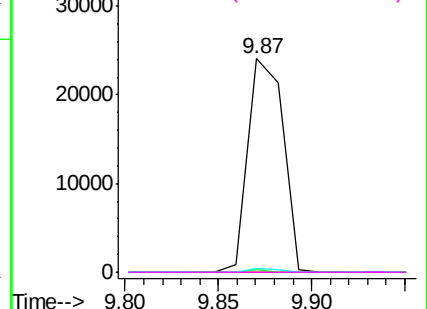
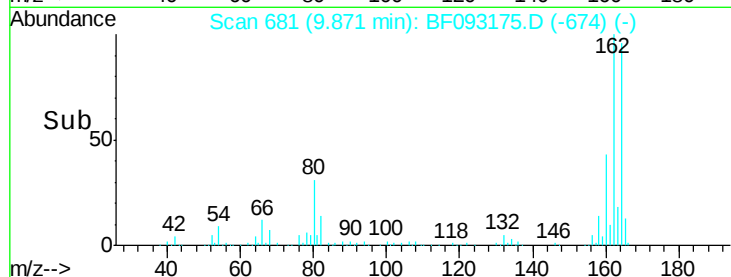


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093175.D

Acq: 25 Feb 2017 7:00

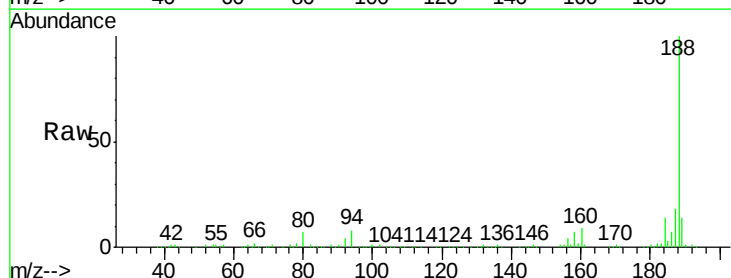
Tgt Ion:188 Resp: 393235

Ion Ratio Lower Upper

188 100

94 7.8 10.0 15.0#

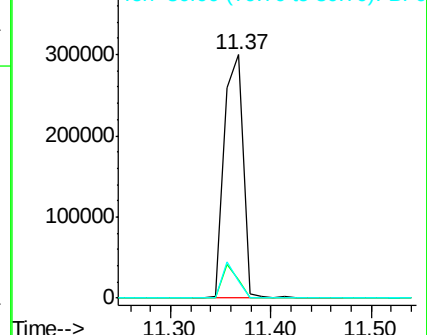
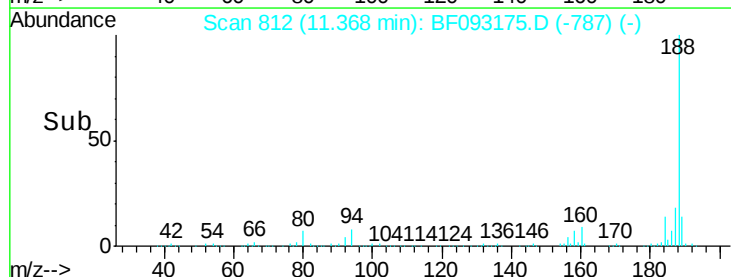
80 7.1 11.2 16.8#

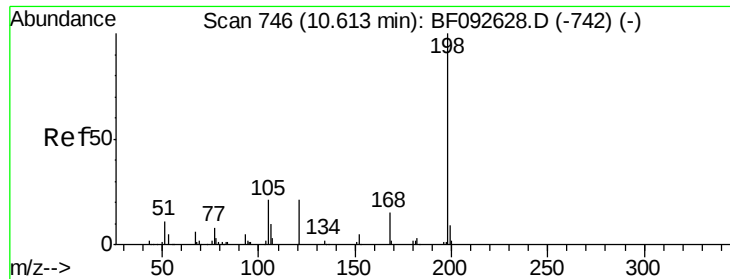


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

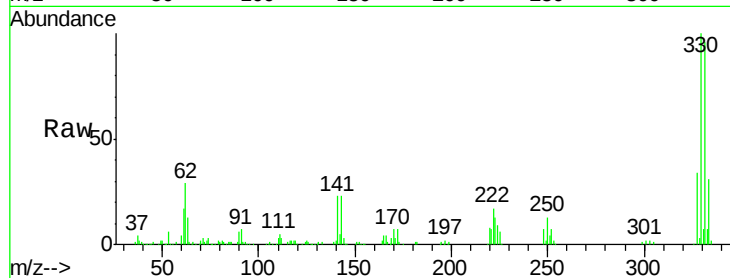




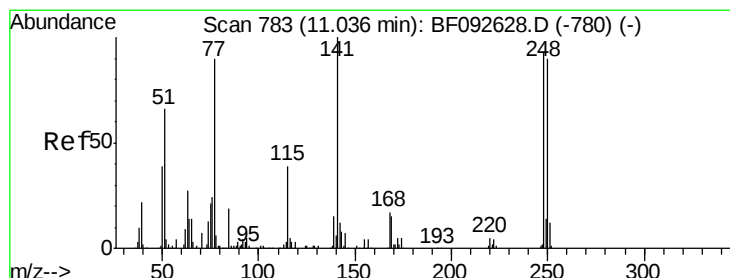
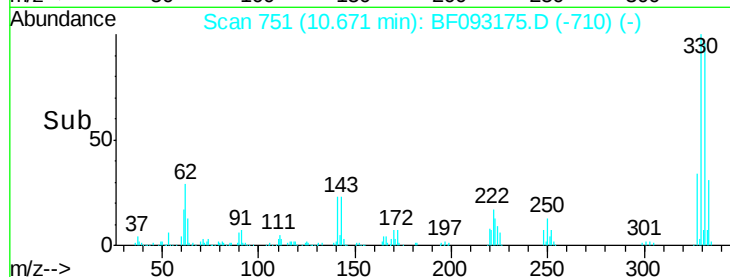
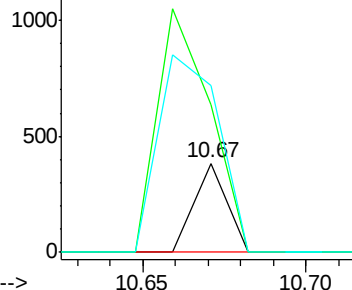
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.77 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.17 min
 Lab File: BF093175.D
 Acq: 25 Feb 2017 7:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-1

Tgt Ion:198 Resp: 264
 Ion Ratio Lower Upper
 198 100
 51 165.7 6.7 46.7#
 105 187.0 16.6 56.6#

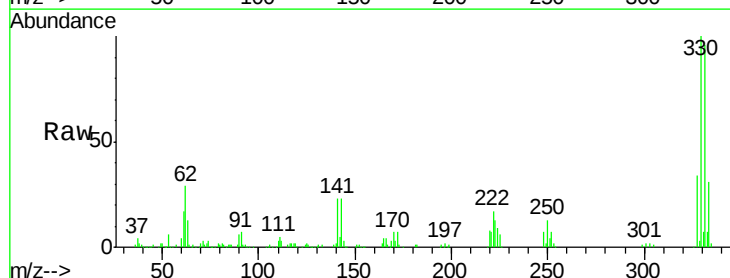


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

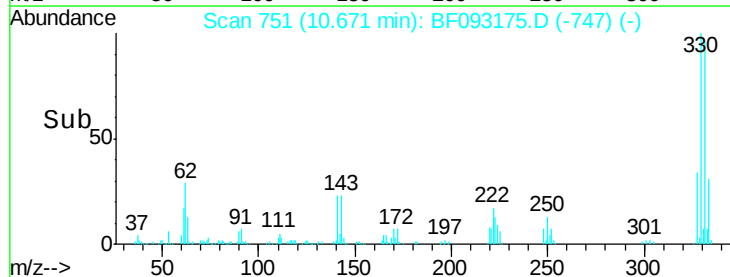
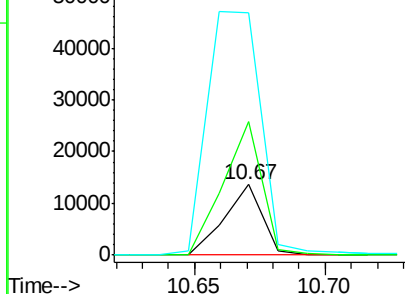


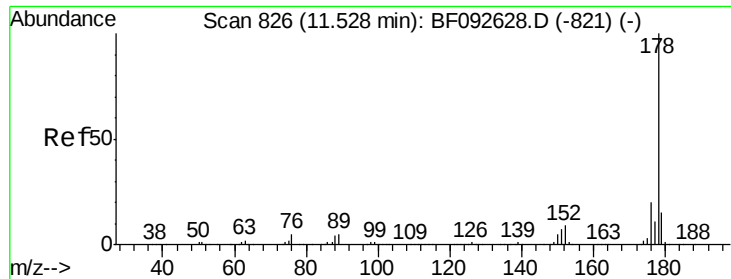
#66
 4-Bromophenyl-phenylether
 Concen: 3.37 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF093175.D
 Acq: 25 Feb 2017 7:00

Tgt Ion:248 Resp: 13828
 Ion Ratio Lower Upper
 248 100
 250 188.7 76.9 115.3#
 141 342.4 68.2 102.4#



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

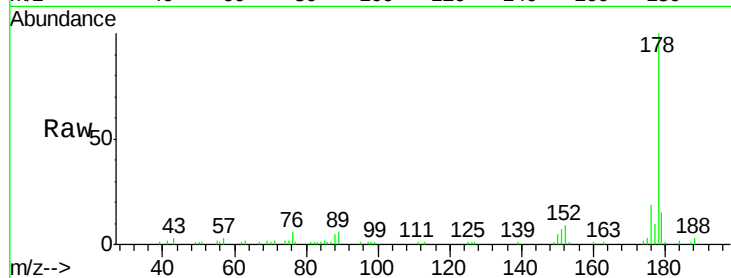




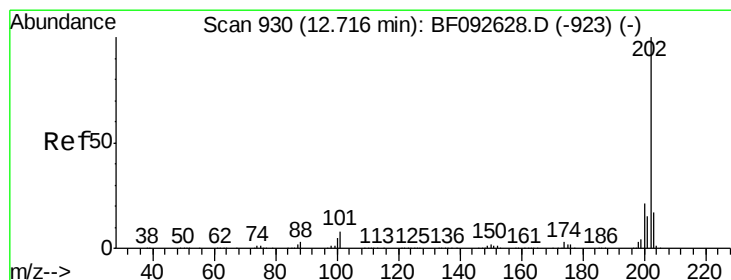
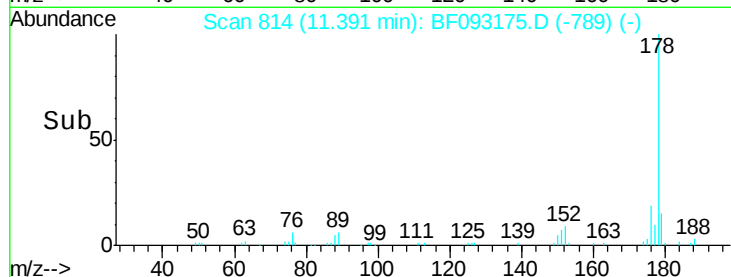
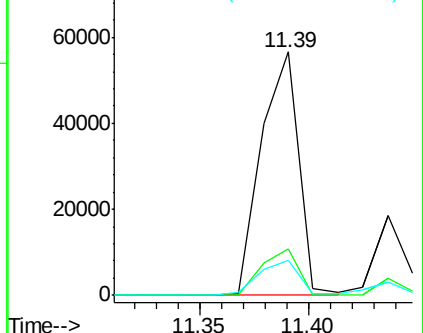
#70
Phenanthrene
Concen: 3.02 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Tgt Ion:178 Resp: 68118
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 14.6 12.8 19.2

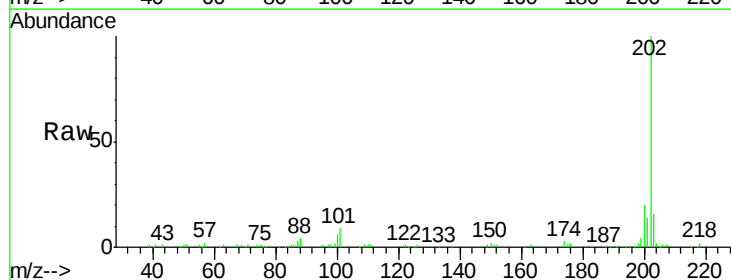


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

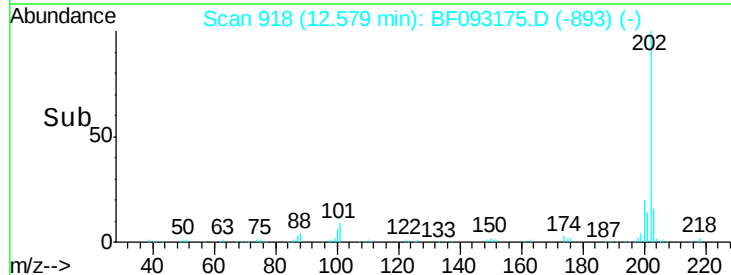
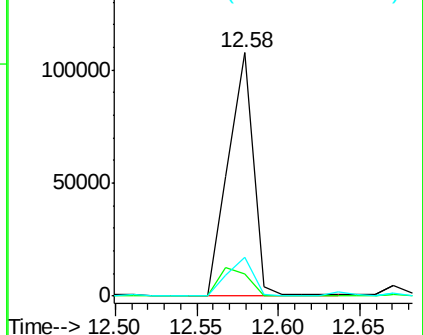


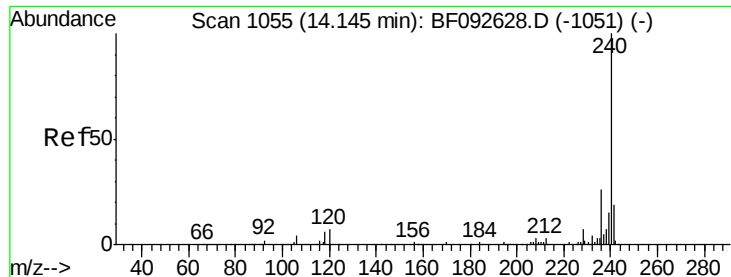
#74
Fluoranthene
Concen: 4.93 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Tgt Ion:202 Resp: 114624
Ion Ratio Lower Upper
202 100
101 9.0 0.0 34.6
203 16.2 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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

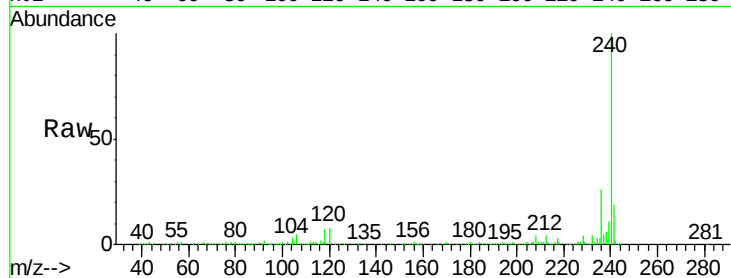
Tgt Ion:240 Resp: 311083

Ion Ratio Lower Upper

240 100

120 7.7 12.9 19.3#

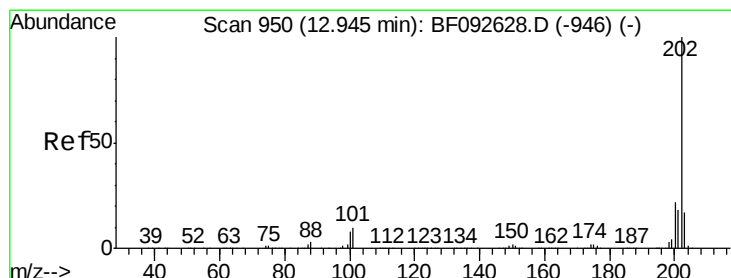
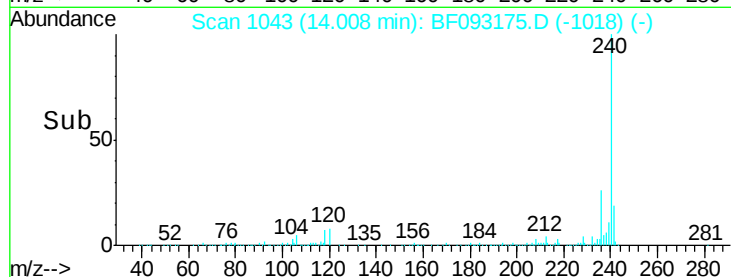
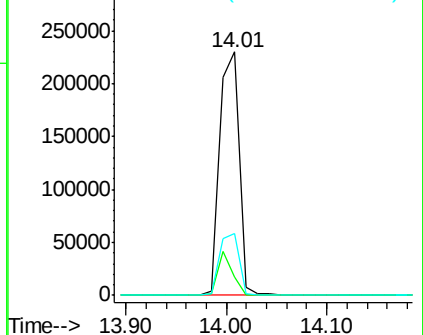
236 25.6 20.9 31.3



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: 4.28 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

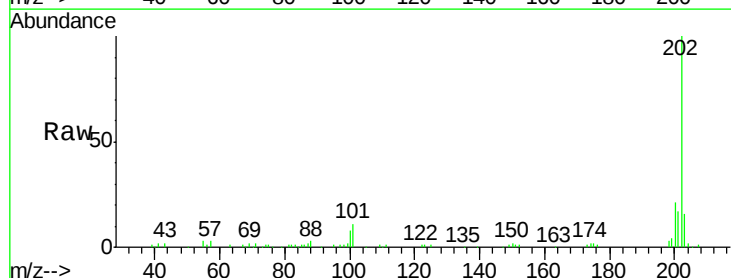
Tgt Ion:202 Resp: 99741

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

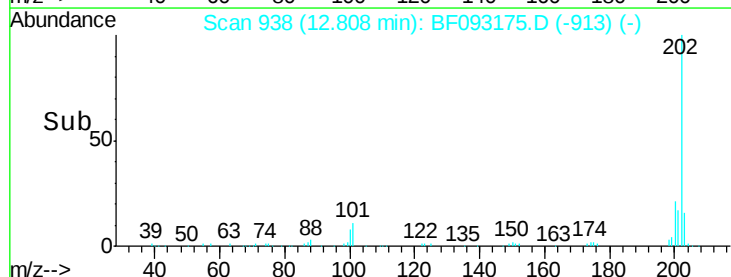
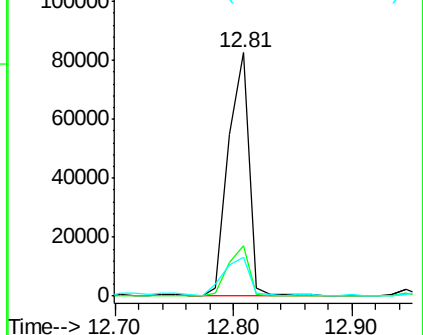
203 15.7 14.7 22.1

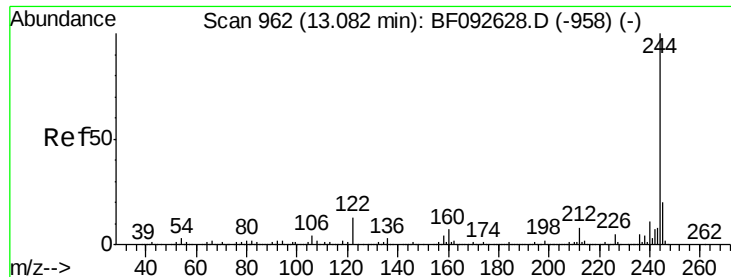


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 45.72 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

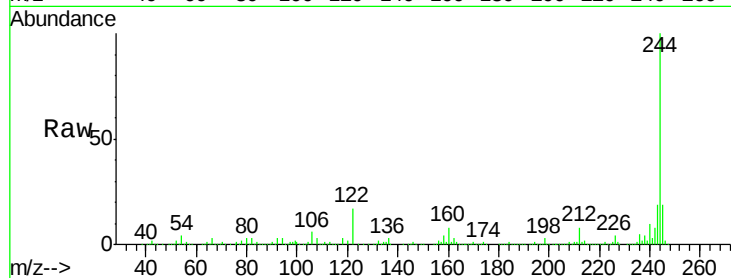
Tgt Ion:244 Resp: 605297

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

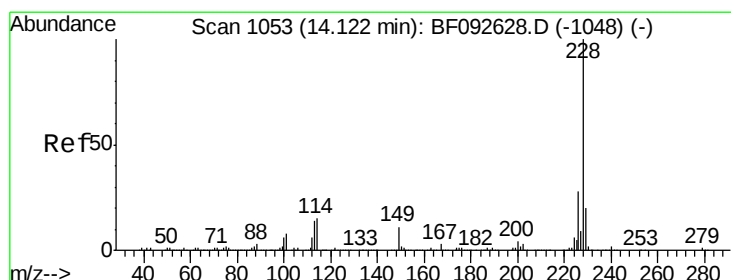
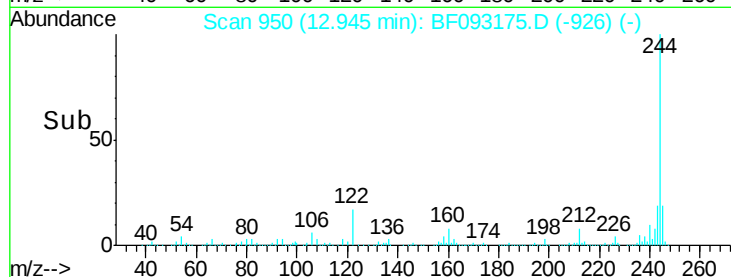
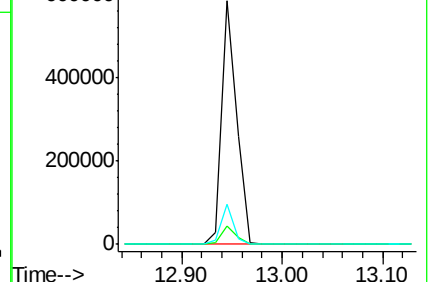
122 16.6 11.4 17.2



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: 2.87 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

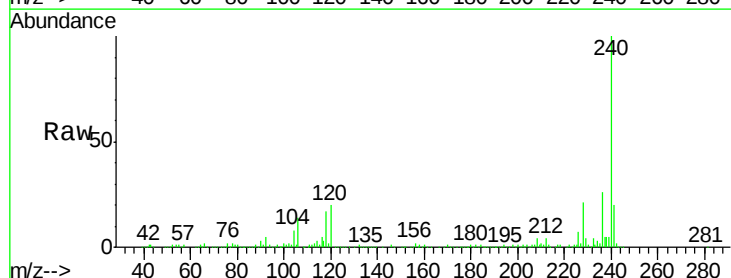
Tgt Ion:228 Resp: 54637

Ion Ratio Lower Upper

228 100

226 32.8 22.4 33.6

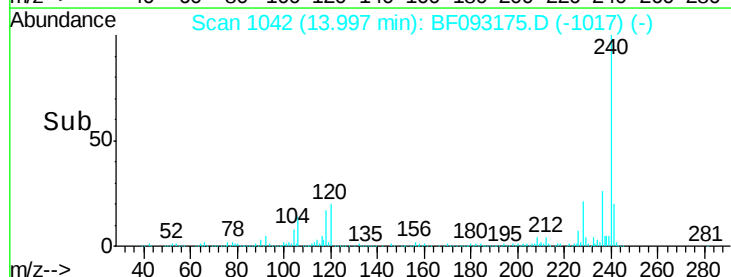
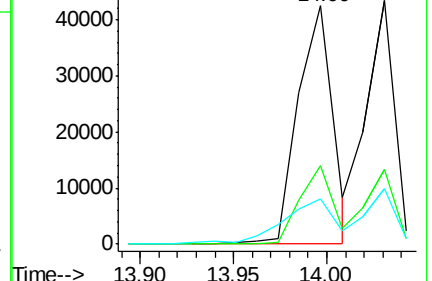
229 19.1 16.2 24.4

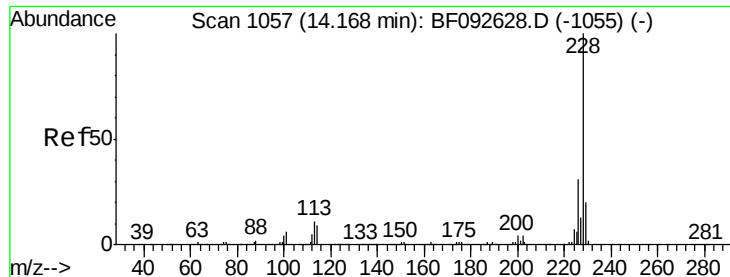


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.07 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

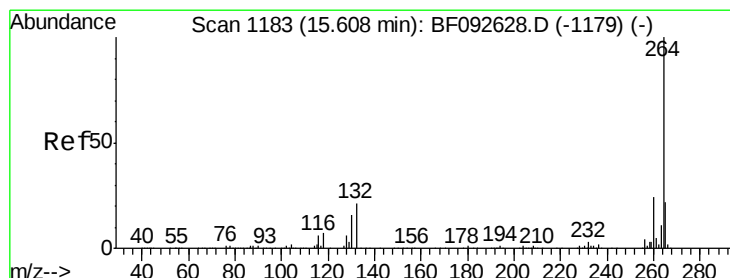
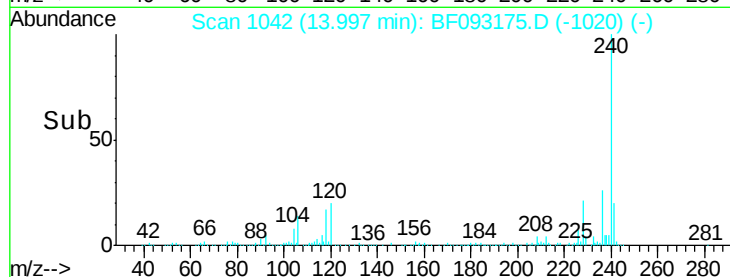
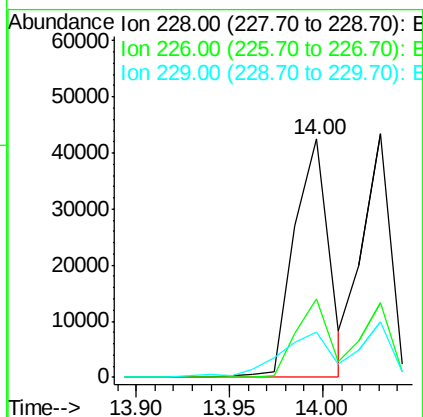
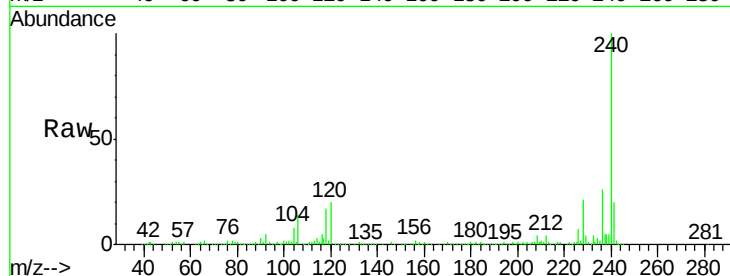
Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

Tgt Ion:	228	Resp:	54637
Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.4	38.0
229	19.1	16.2	24.2



#86

Perylene-d12

Concen: 20.00 ng

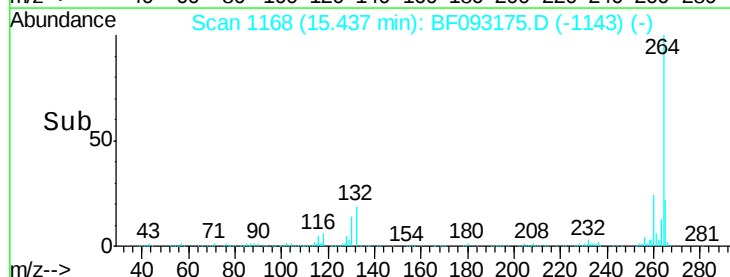
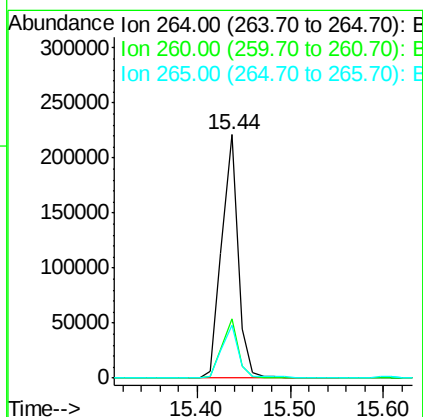
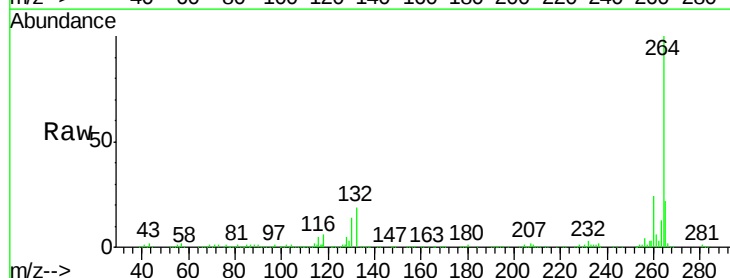
RT: 15.44 min Scan# 1168

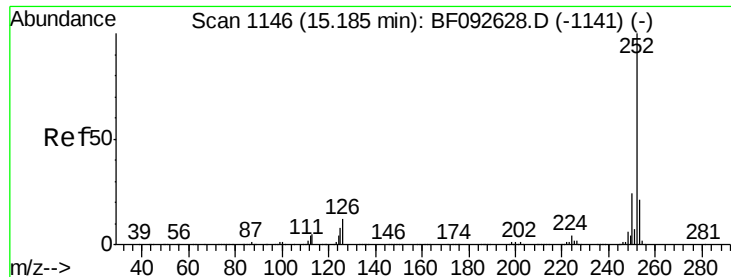
Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Tgt Ion:	264	Resp:	272219
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 4.37 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

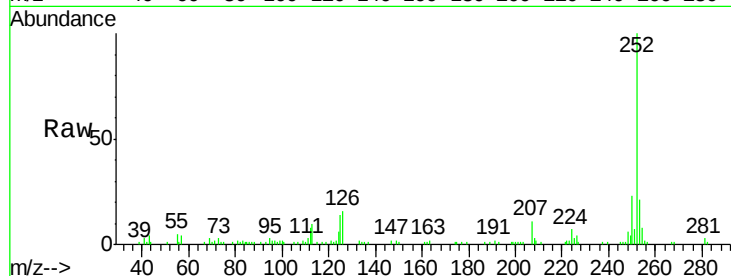
Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

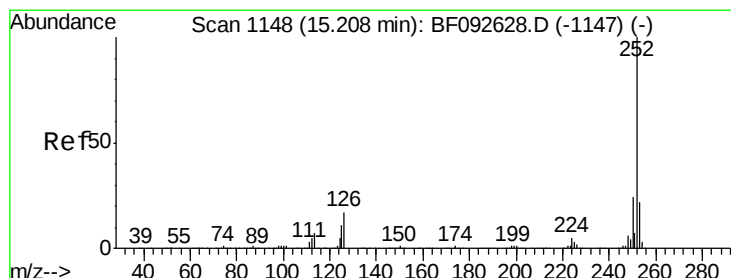
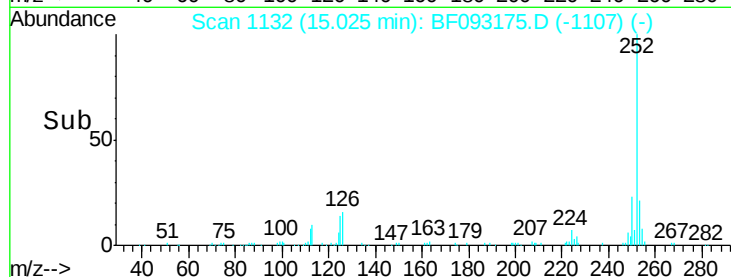
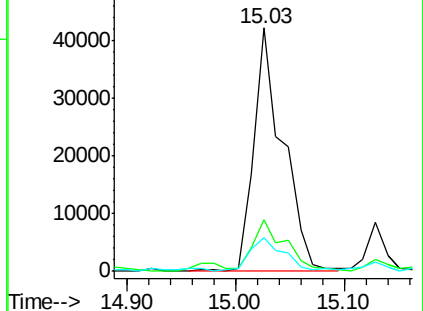
Tgt Ion:	252	Resp:	78285
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.4
125	13.6	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.06 ng

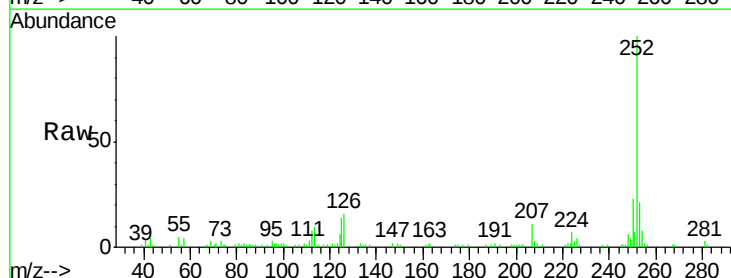
RT: 15.03 min Scan# 1132

Delta R.T. -0.05 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

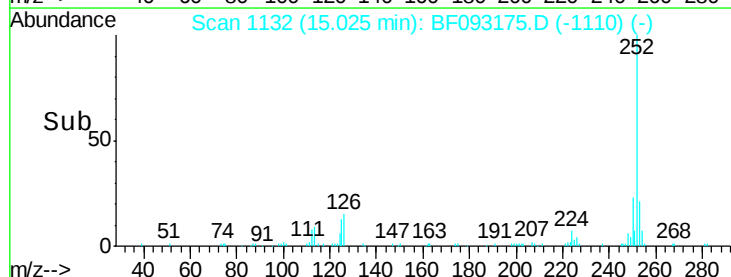
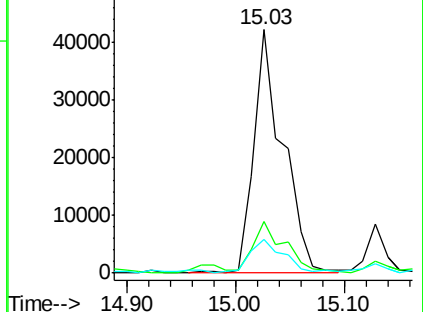
Tgt Ion:	252	Resp:	78285
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.5	27.7
125	13.6	8.9	13.3#

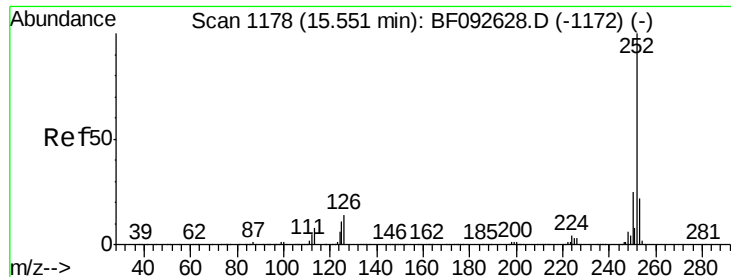


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.62 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

Tgt Ion: 252 Resp: 40576

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.2

125 19.0 10.0 15.0#

