

Data File : BF093177.D
Acq On : 25 Feb 2017 7:56
Operator : SJ/MA
Sample : I1973-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-Y5N-SW

Quant Time: Feb 26 23:37:46 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	155789	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	582768	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	251289	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	357409	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	310359	20.00	ng	-0.01
86) Perylene-d12	15.44	264	255763	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1380574	152.04	ng	-0.01
7) Phenol-d6	6.48	99	1694589	145.04	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1088139	103.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	238027	130.97	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1510773	108.92	ng	-0.01
78) Terphenyl-d14	12.96	244	872855	66.08	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.49	94	77360	5.66	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	143999	19.36	ng	# 84
25) Isophorone	7.40	82	984724	50.50	ng	# 65
32) Benzoic acid	7.92	122	807	7.30	ng	# 25
49) Dimethylphthalate	9.60	163	130812	7.73	ng	100
56) 2,4-Dinitrotoluene	9.88	165	31491	6.47	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.67	198	498	2.89	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	17735	4.75	ng	# 1
74) Fluoranthene	12.58	202	82685	3.91	ng	94
77) Pyrene	12.81	202	92790	4.00	ng	96
80) Benzo(a)anthracene	14.00	228	66374	3.50	ng	96
82) Chrysene	14.00	228	66374	3.73	ng	97
87) Benzo(b)fluoranthene	15.03	252	99026	5.88	ng	97
88) Benzo(k)fluoranthene	15.03	252	99026	6.81	ng	# 96
89) Benzo(a)pyrene	15.38	252	54418	3.74	ng	100
91) Benzo(g,h,i)perylene	17.27	276	25412	2.14	ng	# 94

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

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E2-Y5N-SW

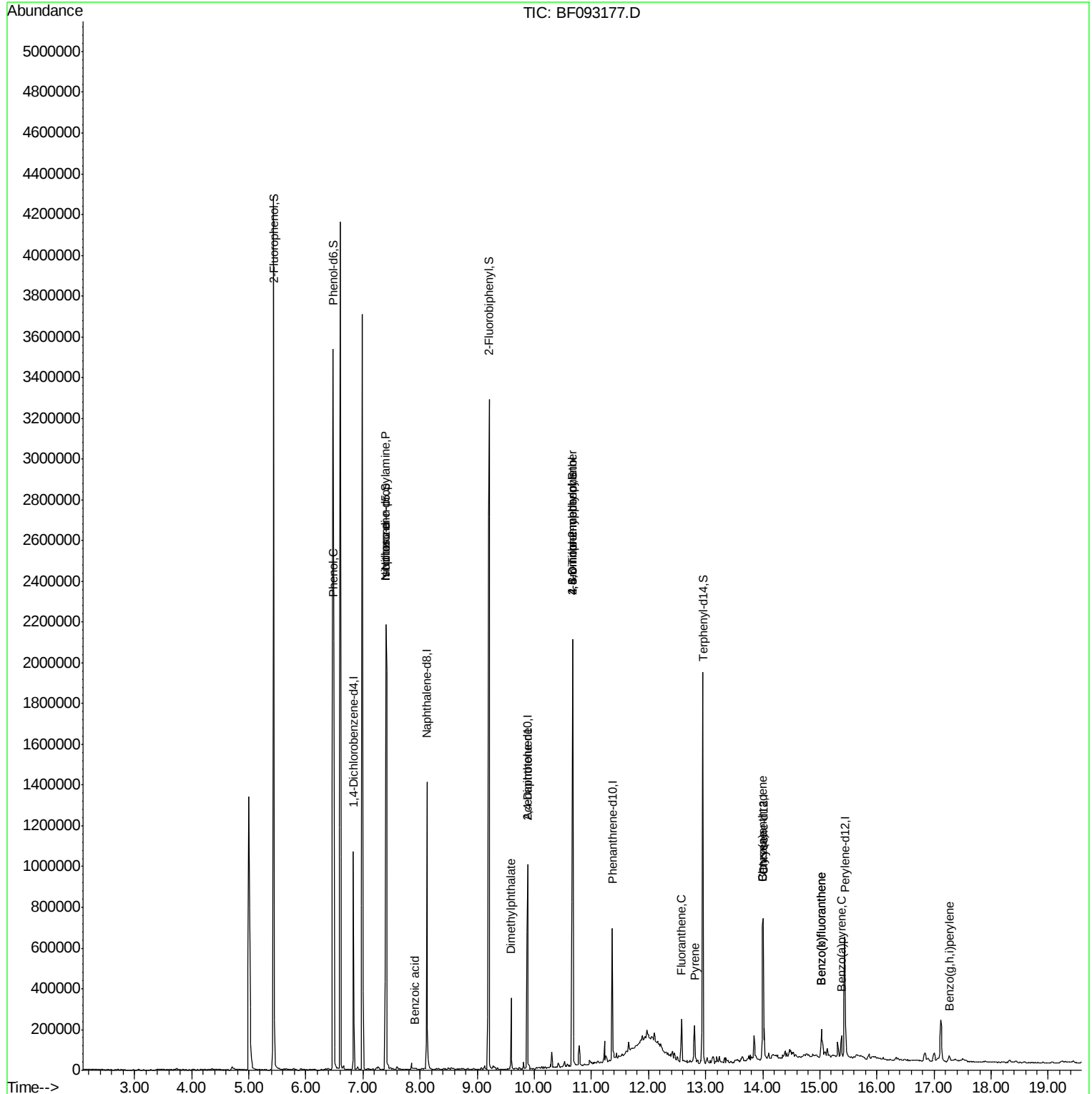
Quant Time: Feb 26 23:37:46 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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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

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Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

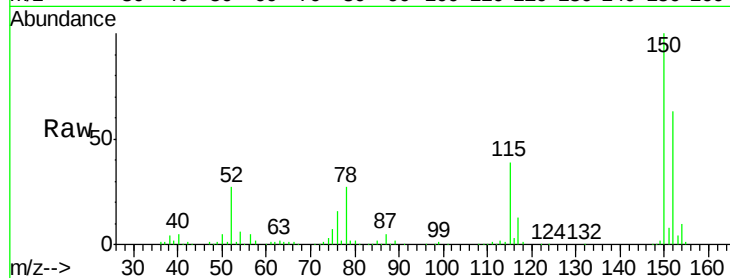
Tgt Ion:152 Resp: 155789

Ion Ratio Lower Upper

152 100

150 157.9 124.9 187.3

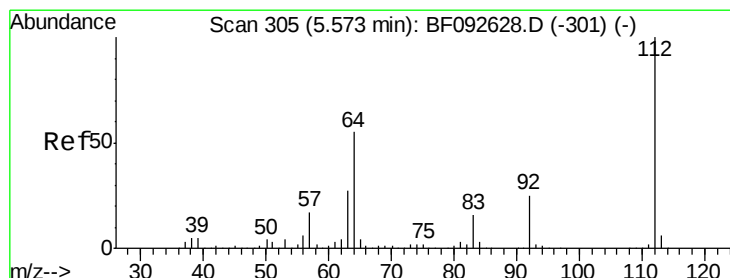
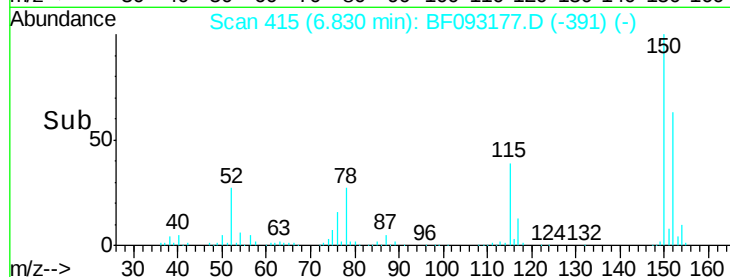
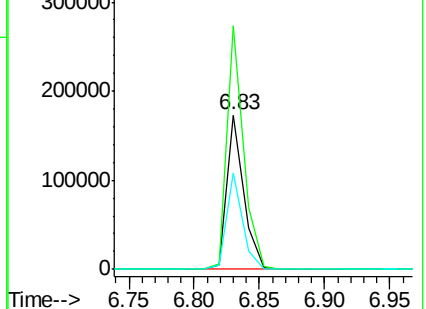
115 62.3 46.0 69.0



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: 152.04 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

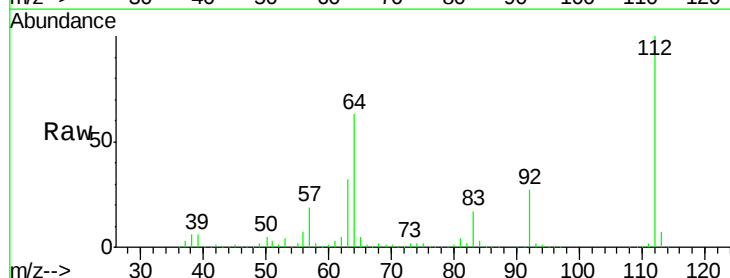
Tgt Ion:112 Resp: 1380574

Ion Ratio Lower Upper

112 100

64 62.7 46.1 69.1

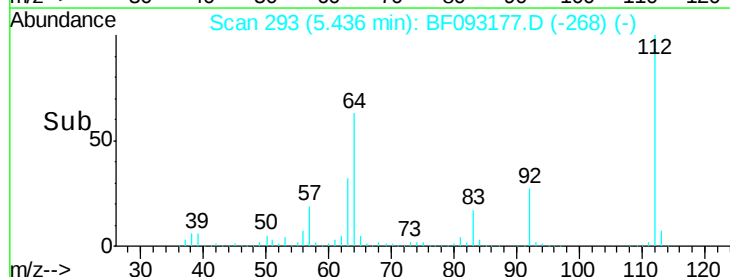
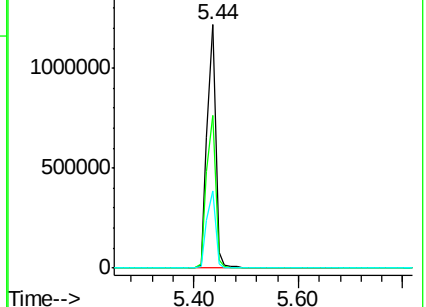
63 31.6 23.8 35.6



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: 145.04 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

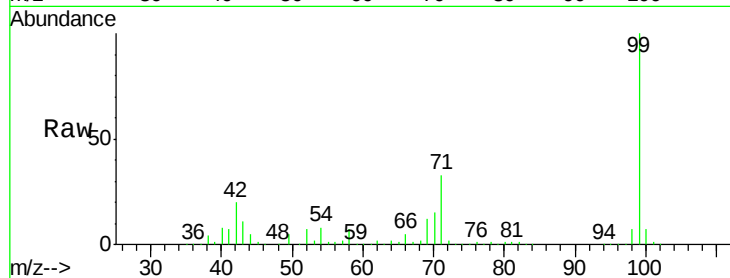
Tgt Ion: 99 Resp: 1694589

Ion Ratio Lower Upper

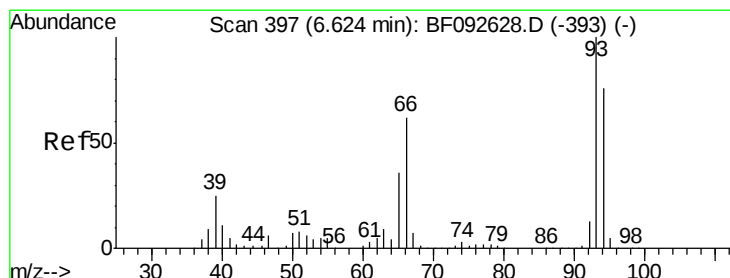
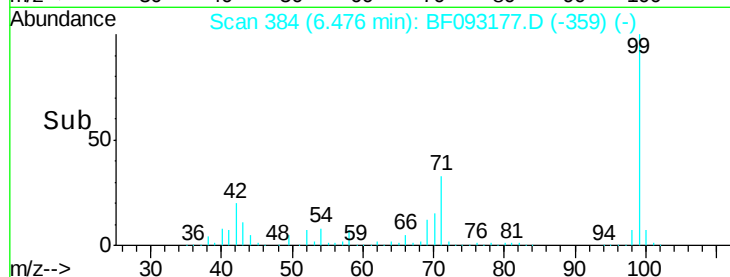
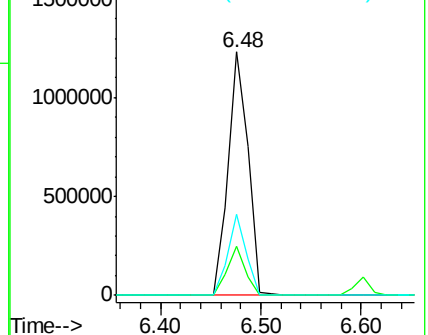
99 100

42 20.3 15.6 23.4

71 33.2 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: 5.66 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

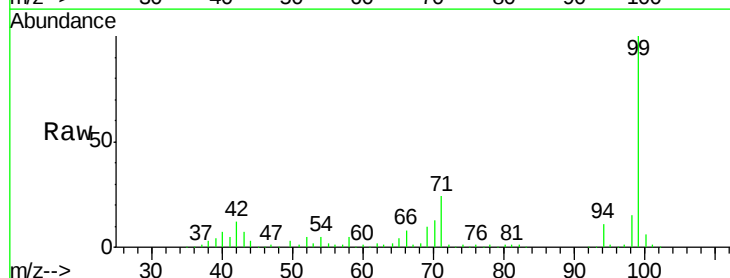
Tgt Ion: 94 Resp: 77360

Ion Ratio Lower Upper

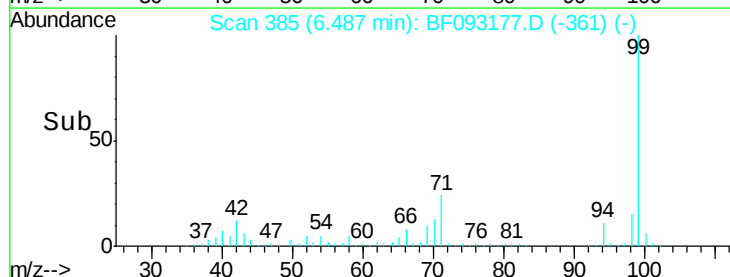
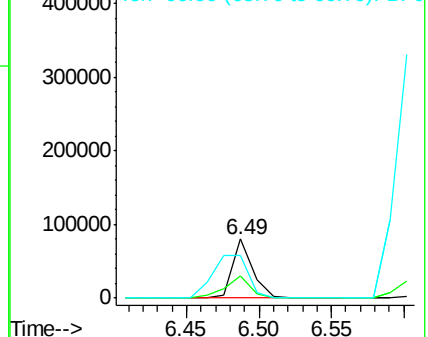
94 100

65 37.2 21.4 61.4

66 71.6 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

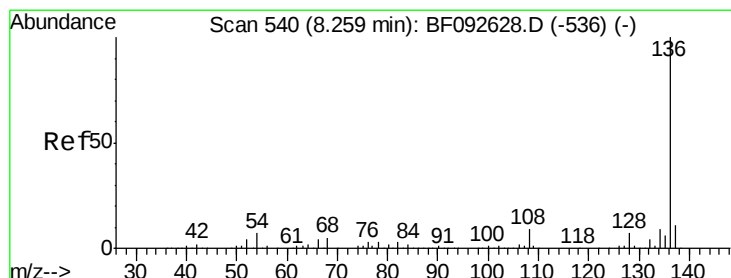
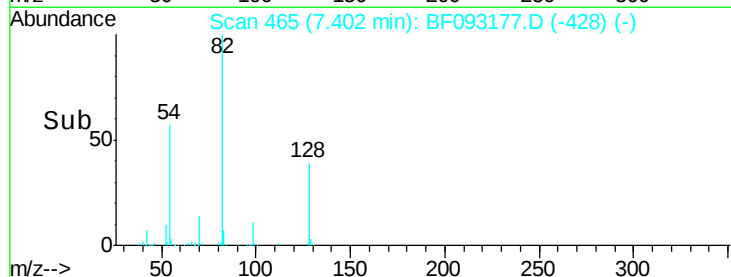
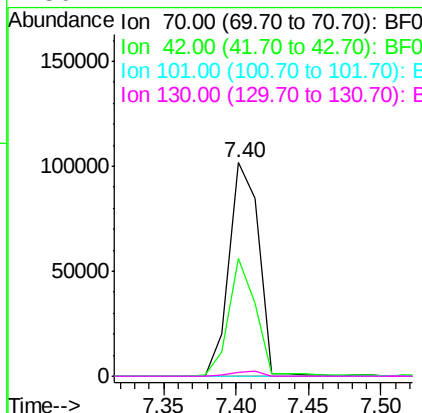
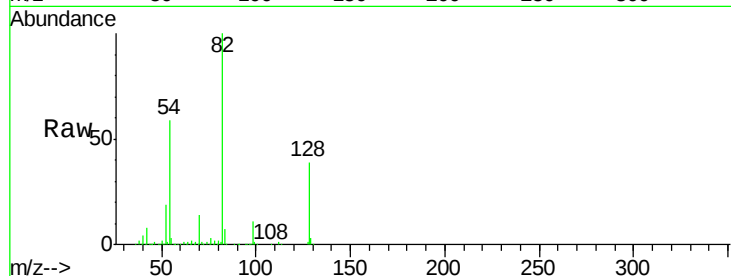




#19
n-Nitroso-di-n-propylamine
Concen: 19.36 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093177.D
Acq: 25 Feb 2017 7:56

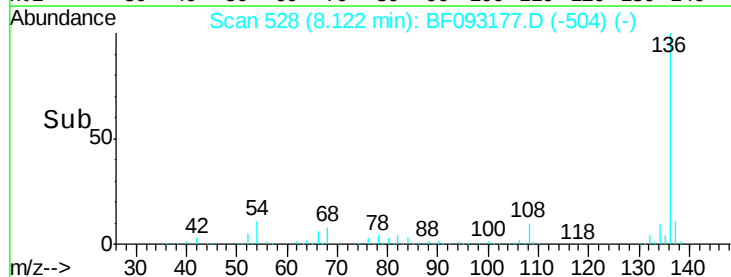
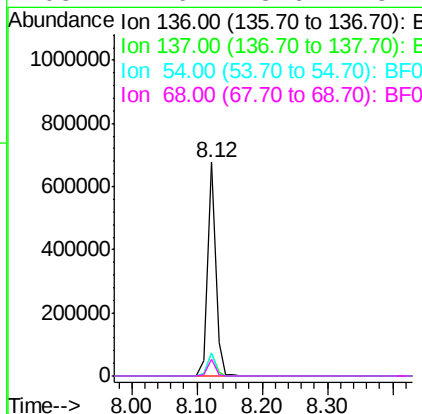
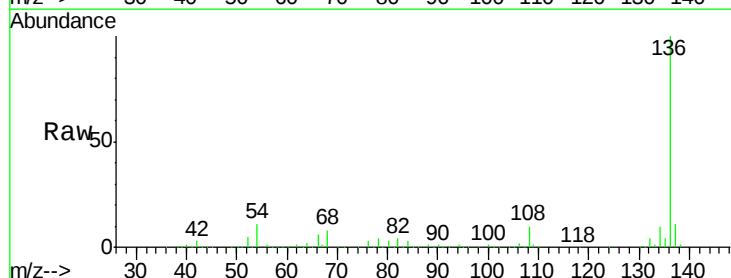
Instrument :
BNA_F
ClientSampleId :
E2-Y5N-SW

Tgt Ion: 70 Resp: 143999
Ion Ratio Lower Upper
70 100
42 54.9 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093177.D
Acq: 25 Feb 2017 7:56

Tgt Ion: 136 Resp: 582768
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 10.9 4.5 6.7#
68 7.6 3.6 5.4#

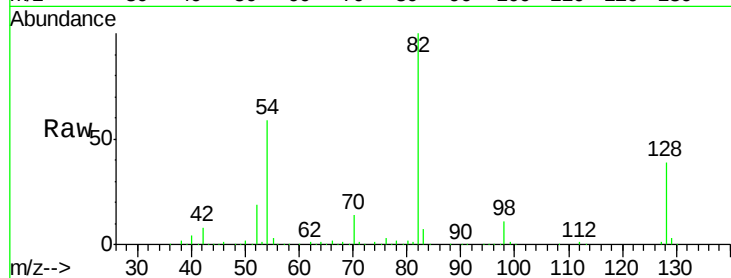




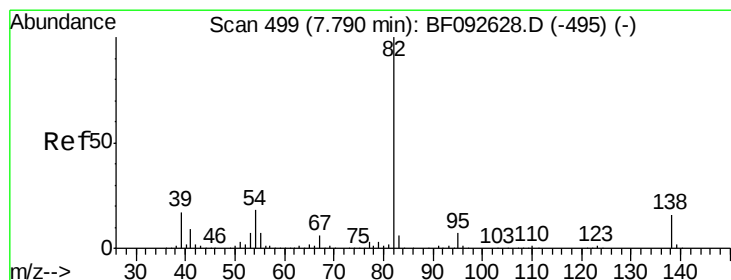
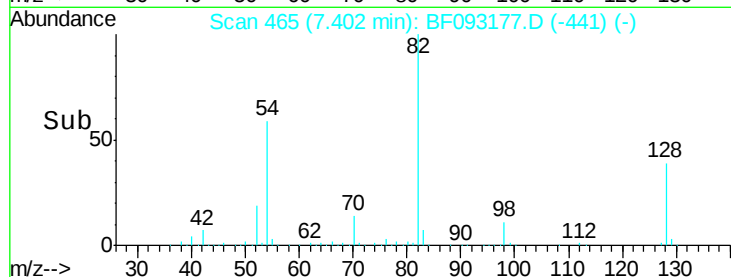
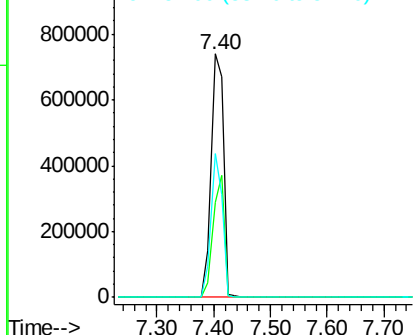
#23
 Nitrobenzene-d5
 Concen: 103.98 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093177.D
 Acq: 25 Feb 2017 7:56

Instrument :
 BNA_F
 ClientSampleId :
 E2-Y5N-SW

Tgt Ion: 82 Resp: 1088139
 Ion Ratio Lower Upper
 82 100
 128 39.3 34.6 52.0
 54 59.0 39.5 59.3

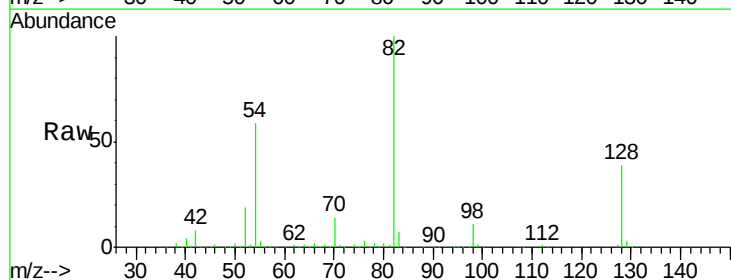


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

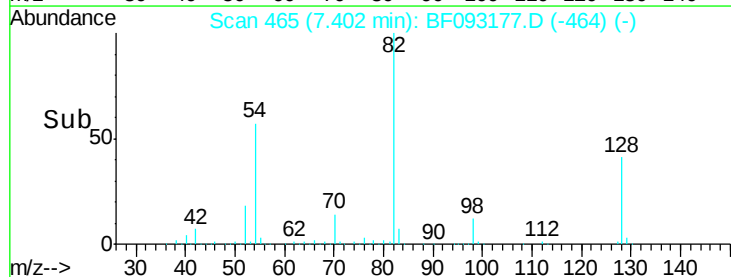
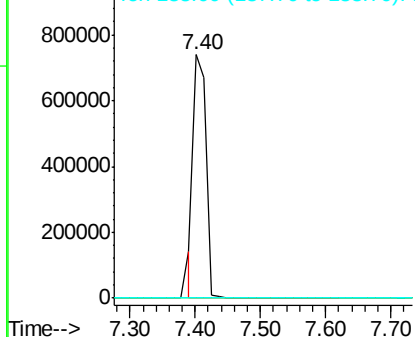


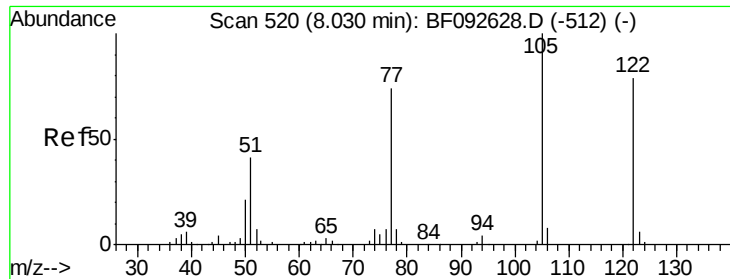
#25
 Isophorone
 Concen: 50.50 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.29 min
 Lab File: BF093177.D
 Acq: 25 Feb 2017 7:56

Tgt Ion: 82 Resp: 984724
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 7.30 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

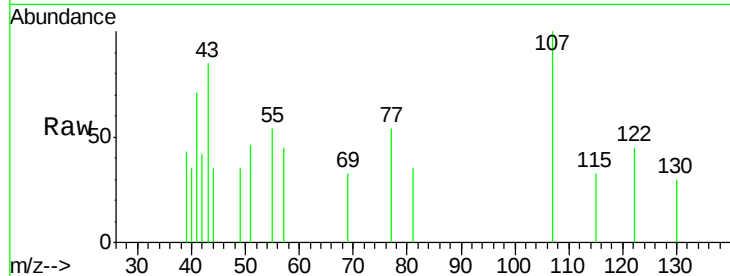
Tgt Ion:122 Resp: 807

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

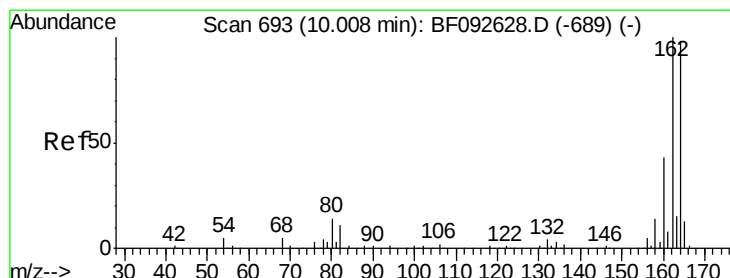
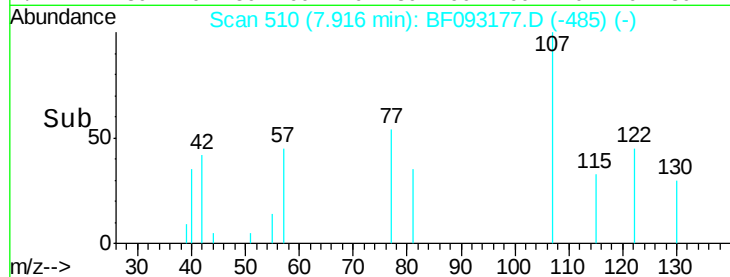
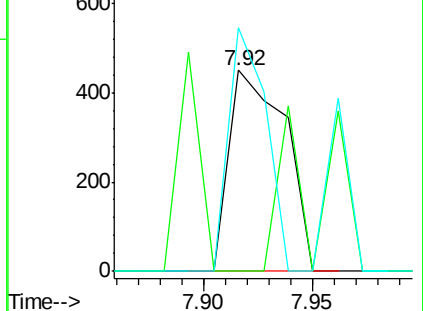
77 121.2 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

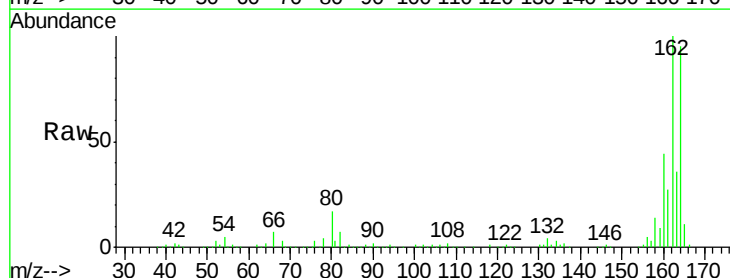
Tgt Ion:164 Resp: 251289

Ion Ratio Lower Upper

164 100

162 105.1 80.2 120.2

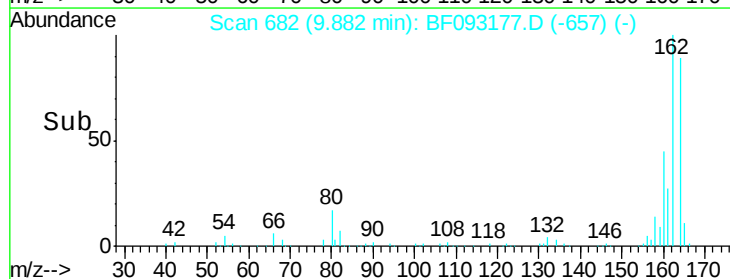
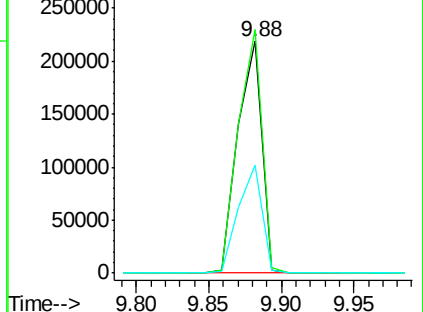
160 46.7 36.9 55.3

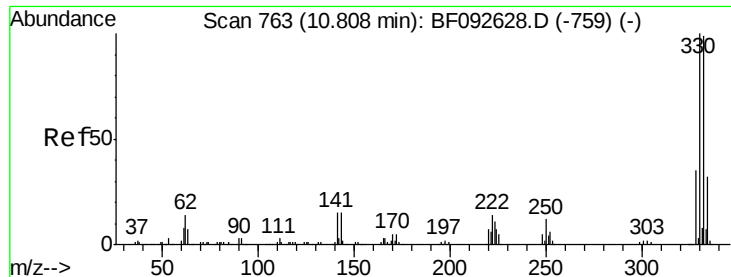


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

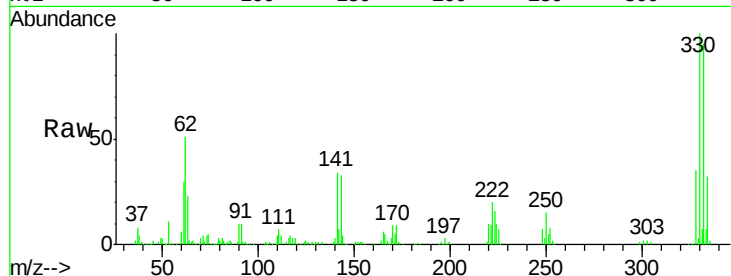




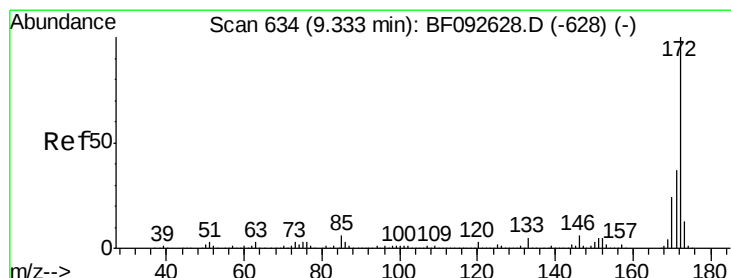
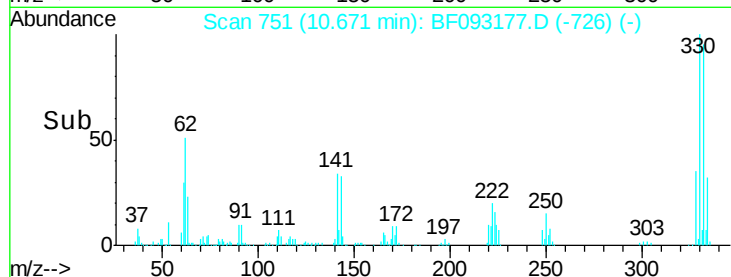
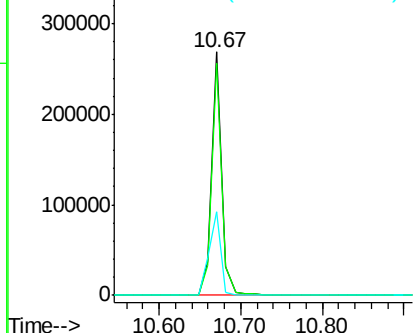
#41
 2,4,6-Tribromophenol
 Concen: 130.97 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093177.D
 Acq: 25 Feb 2017 7:56

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.2
141	40.5	34.1	51.1

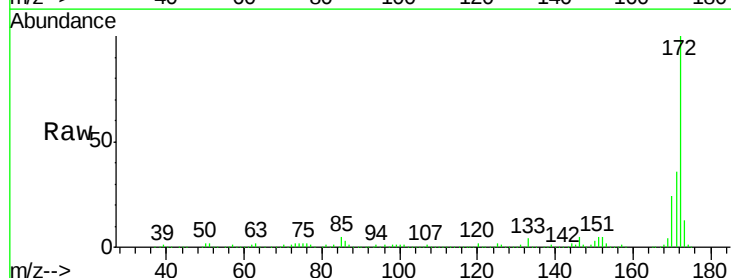


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

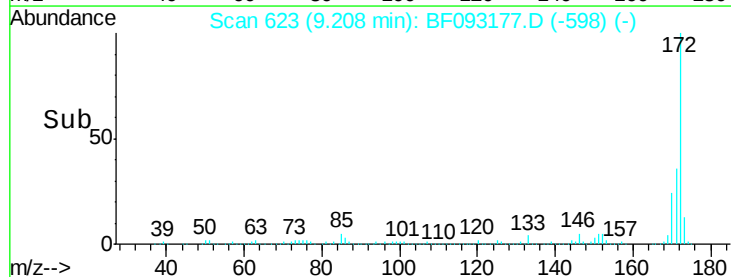
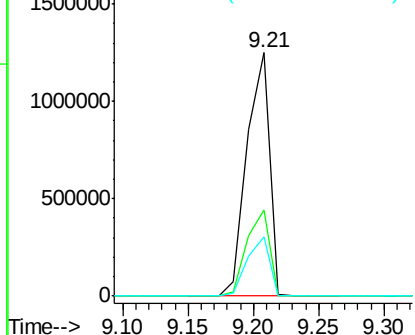


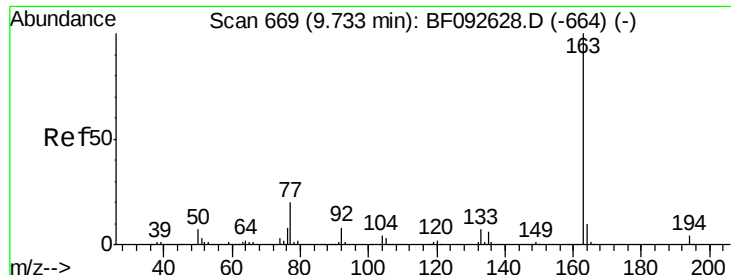
#44
 2-Fluorobiphenyl
 Concen: 108.92 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093177.D
 Acq: 25 Feb 2017 7:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.2	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: 7.73 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

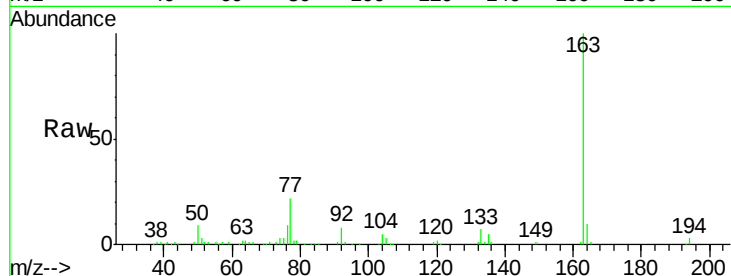
Tgt Ion:163 Resp: 130812

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

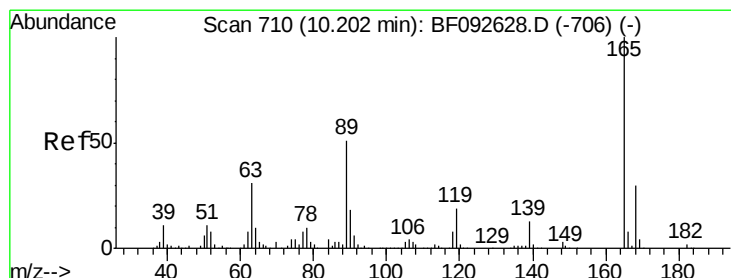
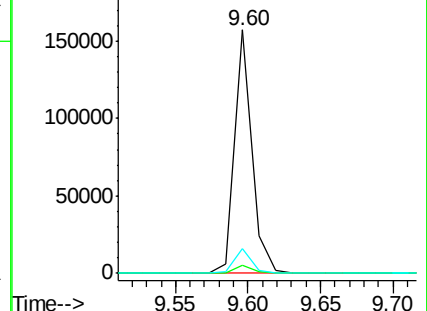
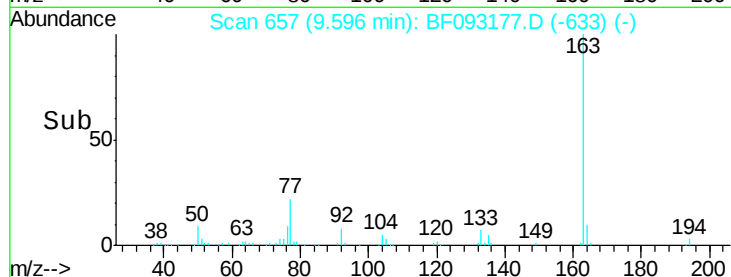
164 10.0 8.0 12.0



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: 9.88 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

Tgt Ion:165 Resp: 31491

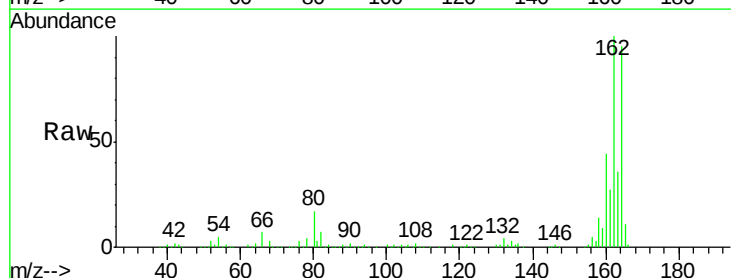
Ion Ratio Lower Upper

165 100

63 2.4 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

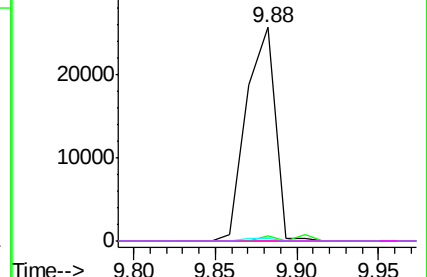
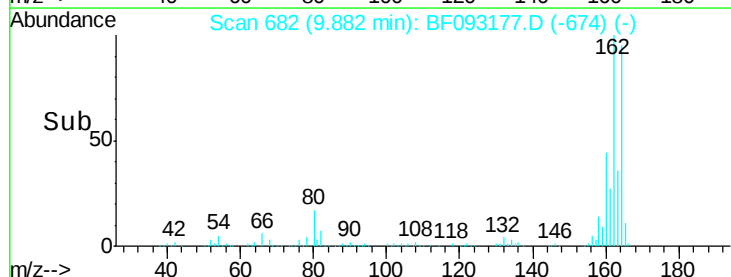


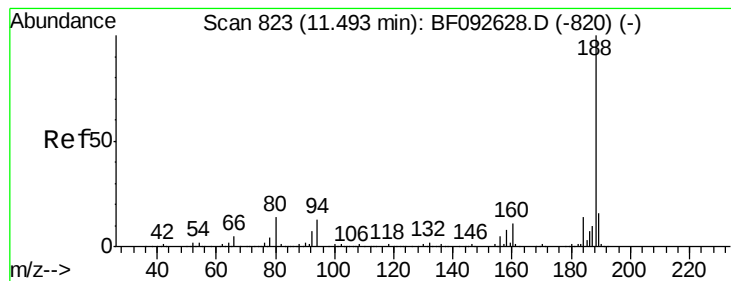
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

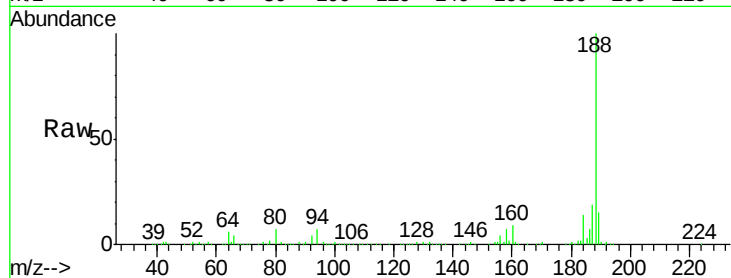
Tgt Ion:188 Resp: 357409

Ion Ratio Lower Upper

188 100

94 7.4 10.0 15.0#

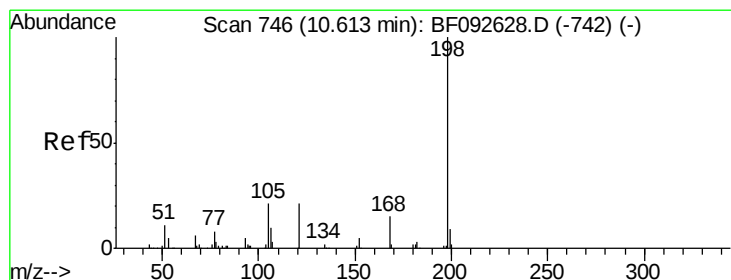
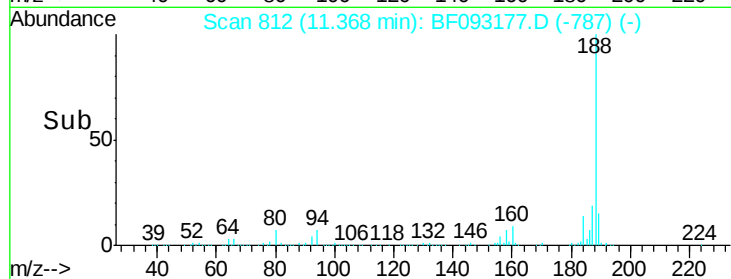
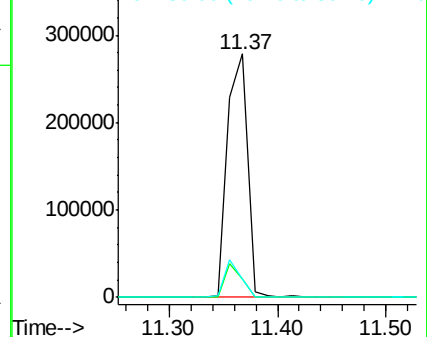
80 7.3 11.2 16.8#



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: 2.89 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

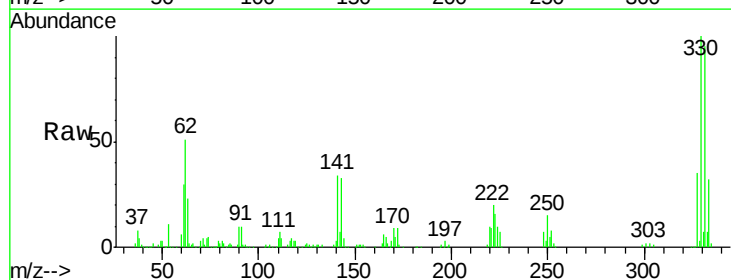
Tgt Ion:198 Resp: 498

Ion Ratio Lower Upper

198 100

51 183.2 6.7 46.7#

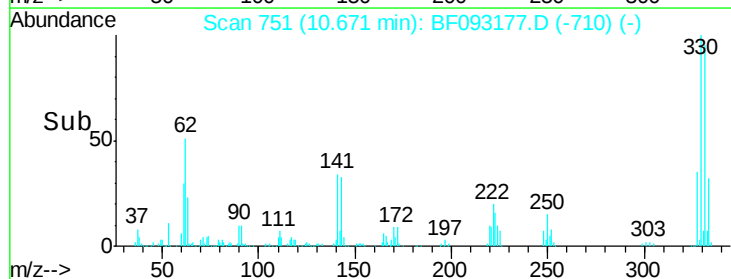
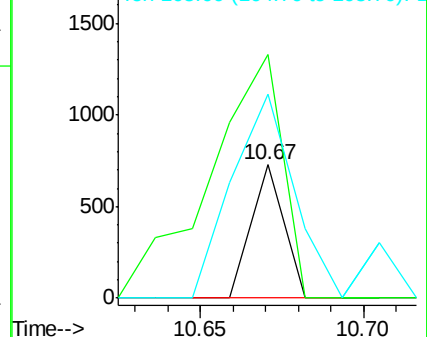
105 153.3 16.6 56.6#

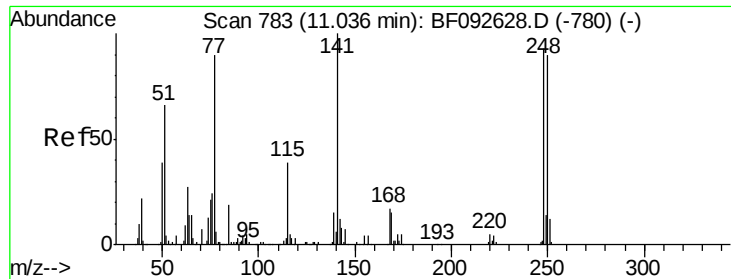


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.75 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

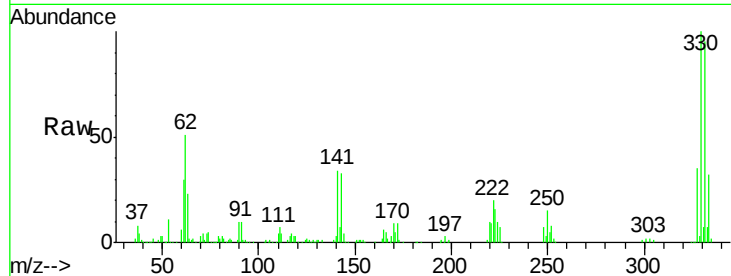
Tgt Ion:248 Resp: 17735

Ion Ratio Lower Upper

248 100

250 201.6 76.9 115.3#

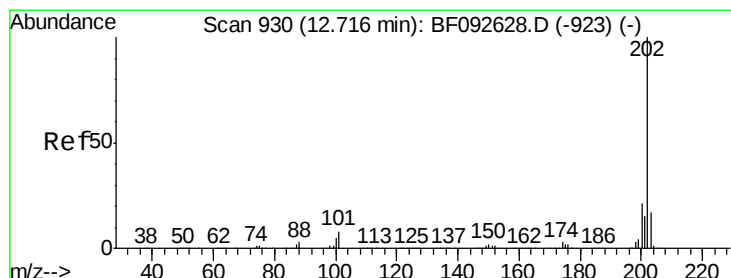
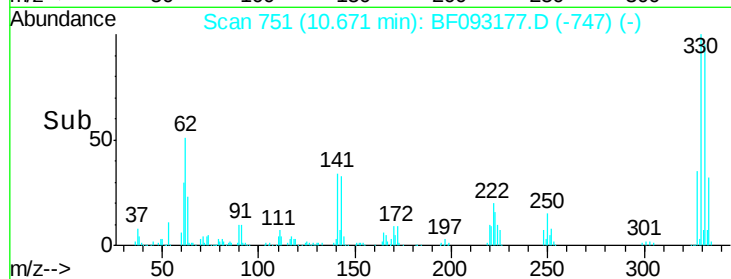
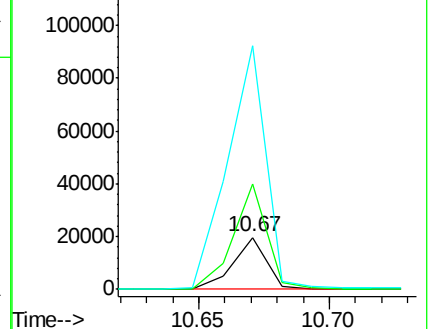
141 467.0 68.2 102.4#



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



#74

Fluoranthene

Concen: 3.91 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

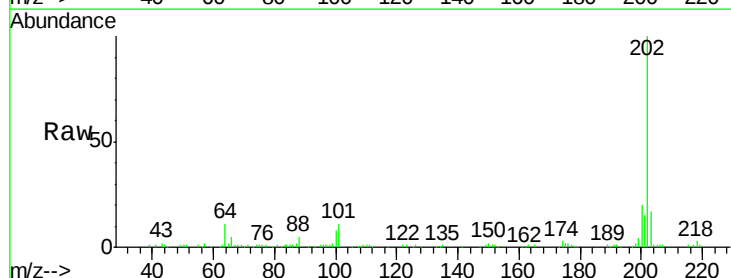
Tgt Ion:202 Resp: 82685

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.6

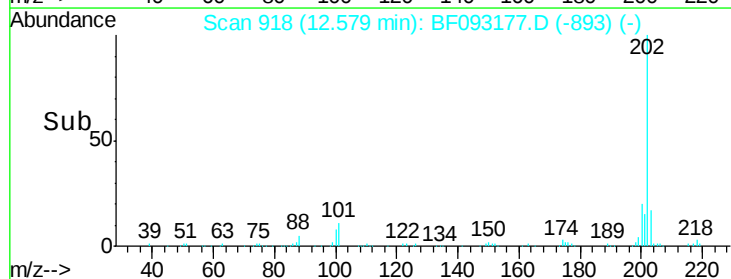
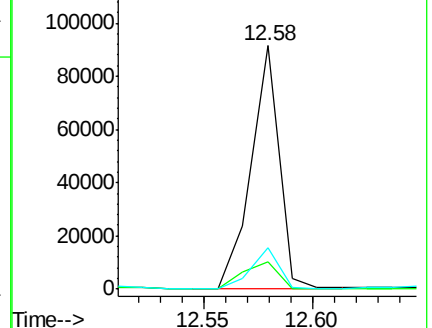
203 17.0 0.0 38.7

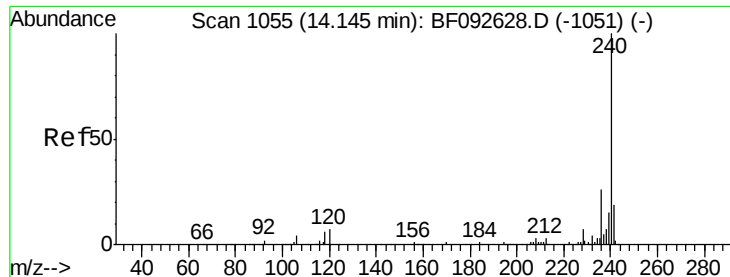


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

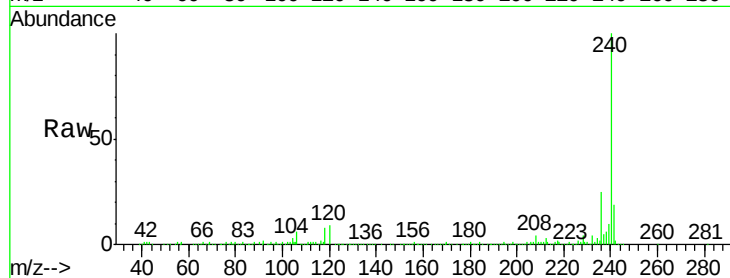
Tgt Ion:240 Resp: 310359

Ion Ratio Lower Upper

240 100

120 9.0 12.9 19.3#

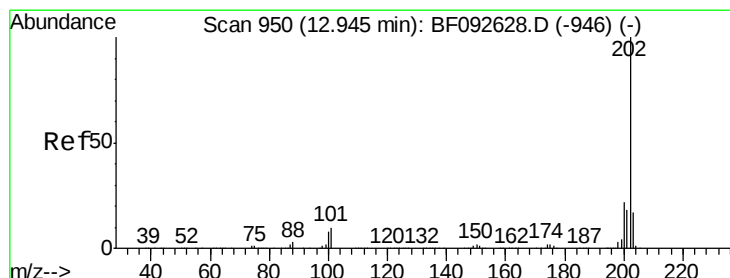
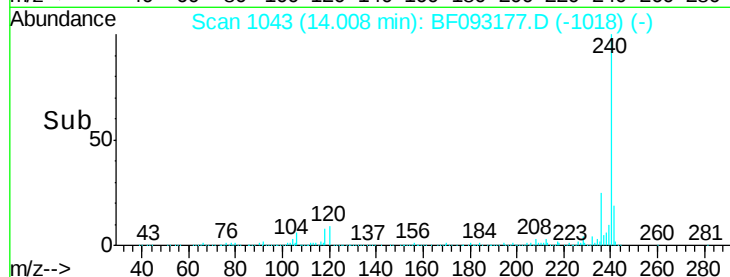
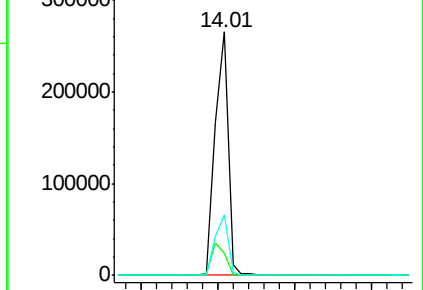
236 25.1 20.9 31.3



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: 4.00 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

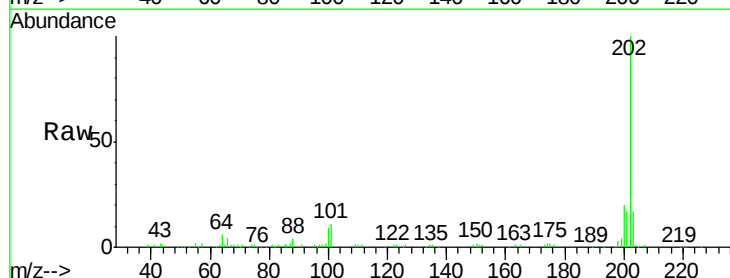
Tgt Ion:202 Resp: 92790

Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

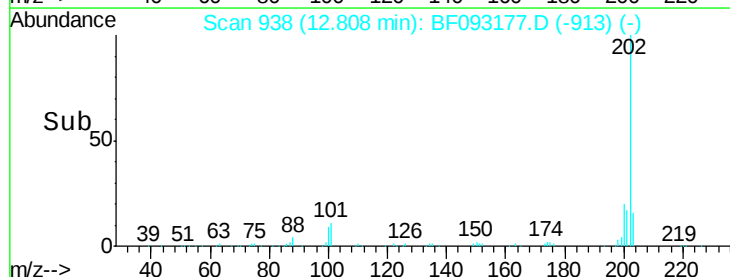
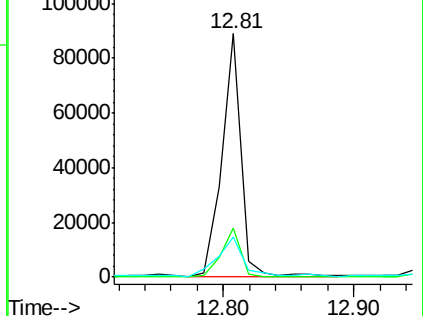
203 16.6 14.7 22.1

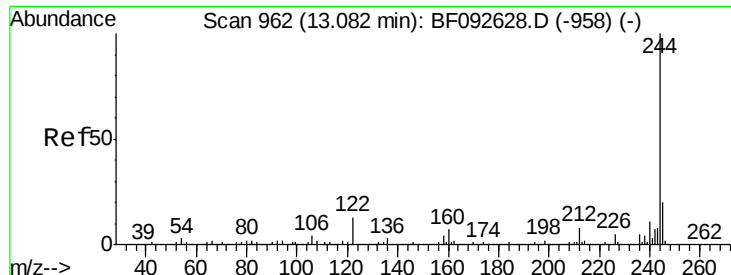


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

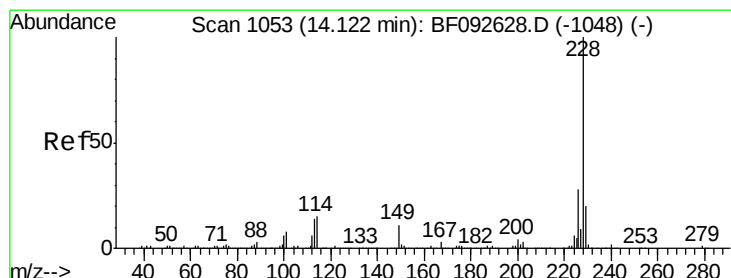
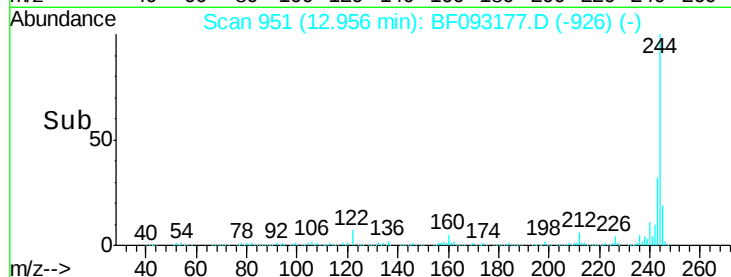
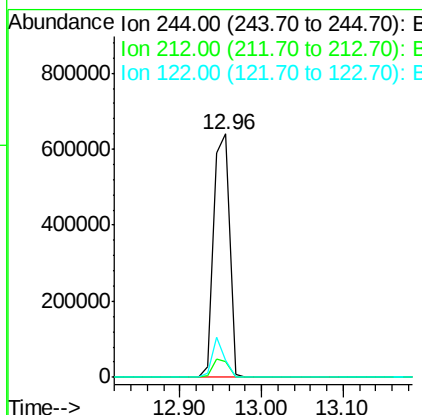
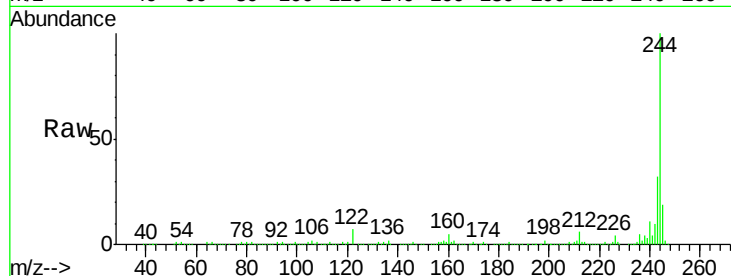




#78
 Terphenyl-d14
 Concen: 66.08 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093177.D
 Acq: 25 Feb 2017 7:56

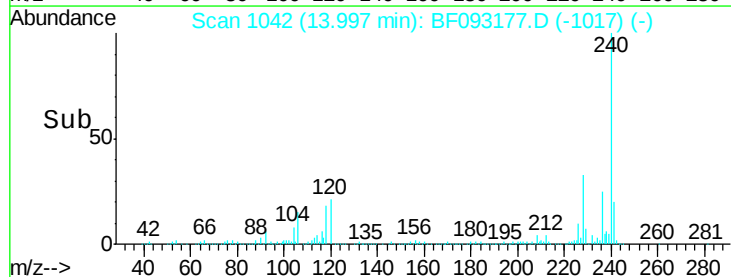
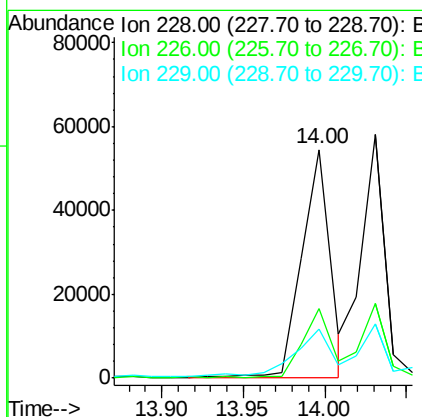
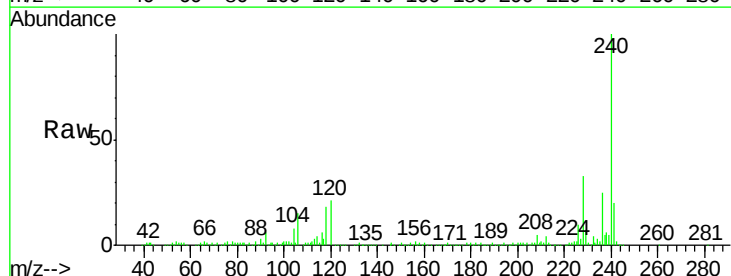
Instrument :
 BNA_F
 ClientSampleId :
 E2-Y5N-SW

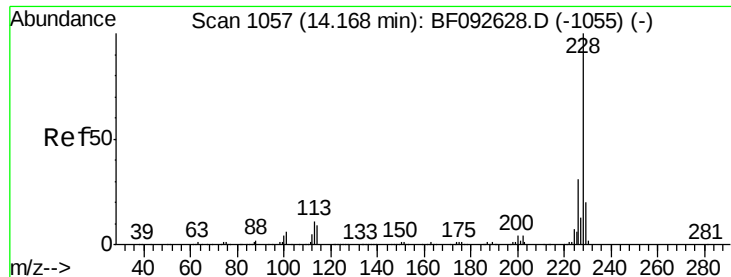
Tgt Ion: 244 Resp: 872855
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.2 9.2
 122 6.8 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 3.50 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF093177.D
 Acq: 25 Feb 2017 7:56

Tgt Ion: 228 Resp: 66374
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.4 33.6
 229 21.5 16.2 24.4





#82

Chrysene

Concen: 3.73 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

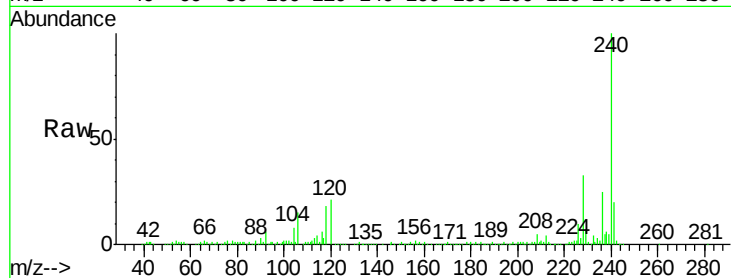
Tgt Ion: 228 Resp: 66374

Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.0

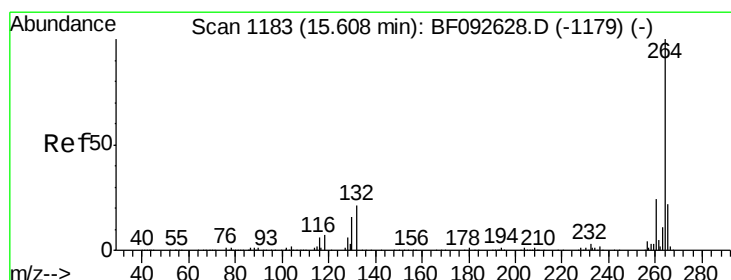
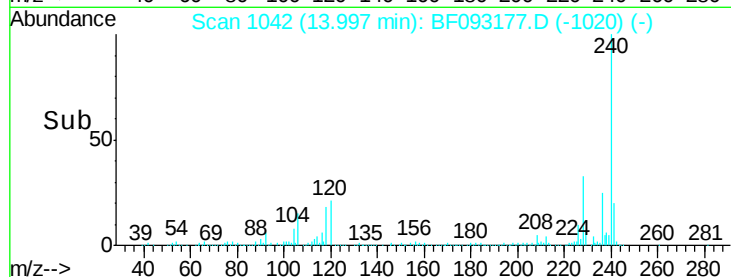
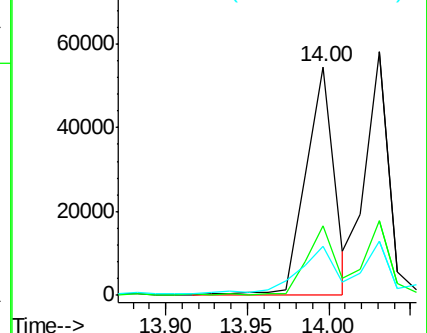
229 21.5 16.2 24.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

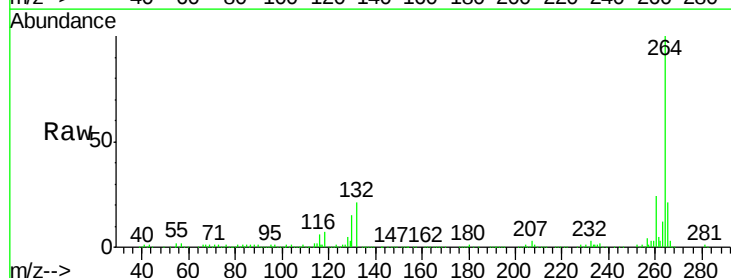
Tgt Ion: 264 Resp: 255763

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

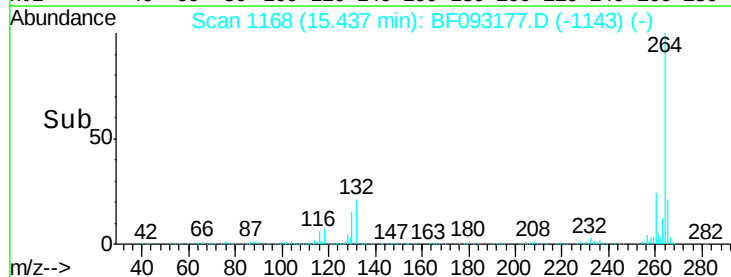
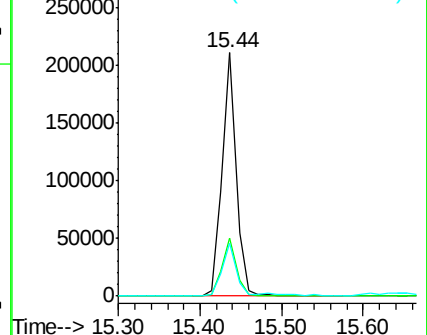
265 21.5 17.4 26.0

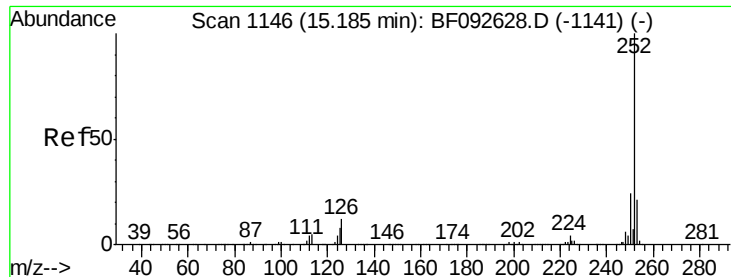


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

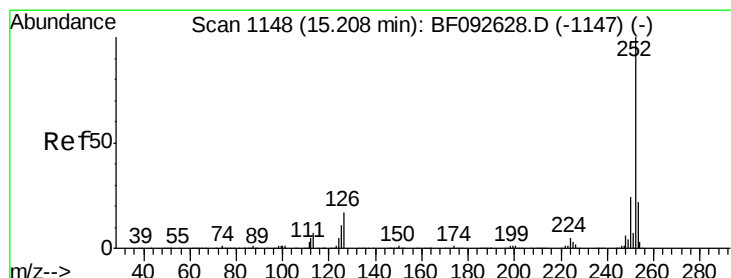
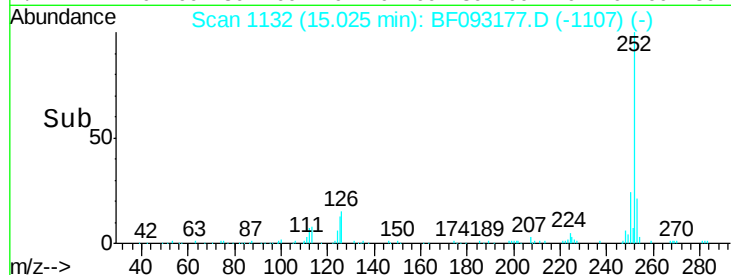
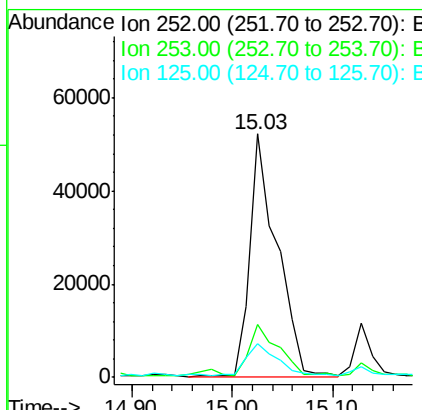
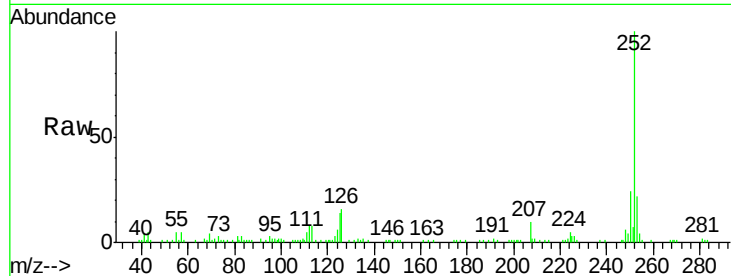




#87
Benzo(b)fluoranthene
Concen: 5.88 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093177.D
Acq: 25 Feb 2017 7:56

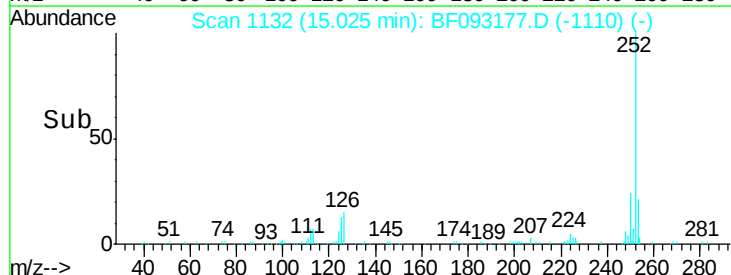
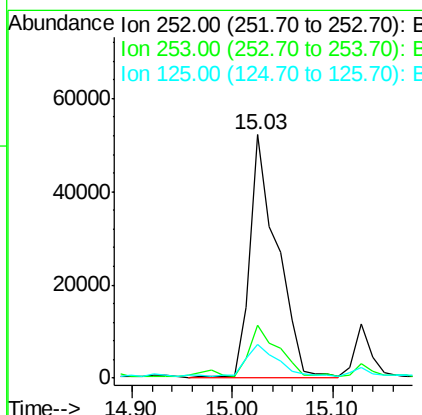
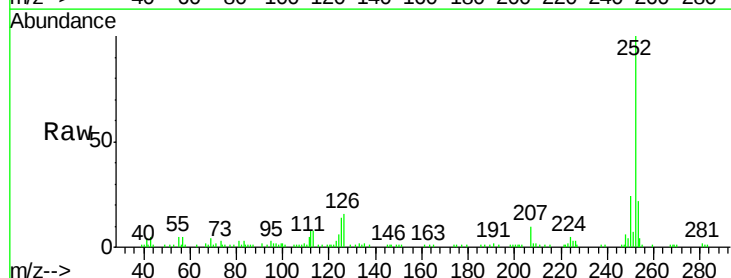
Instrument :
BNA_F
ClientSampleId :
E2-Y5N-SW

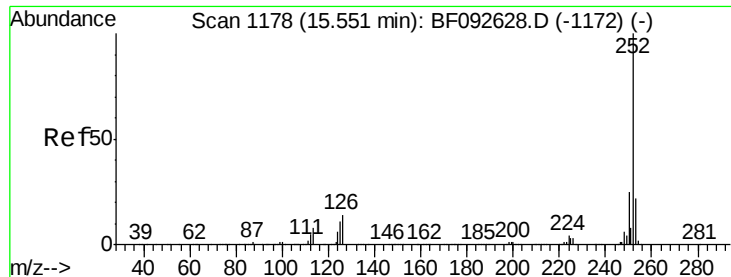
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	14.0	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 6.81 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093177.D
Acq: 25 Feb 2017 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.5	27.7
125	14.0	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 3.74 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

Instrument :

BNA_F

ClientSampleId :

E2-Y5N-SW

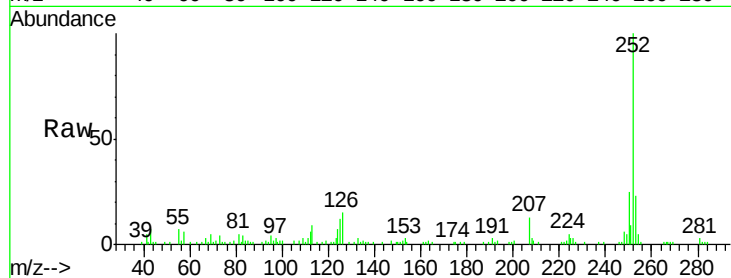
Tgt Ion: 252 Resp: 54418

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

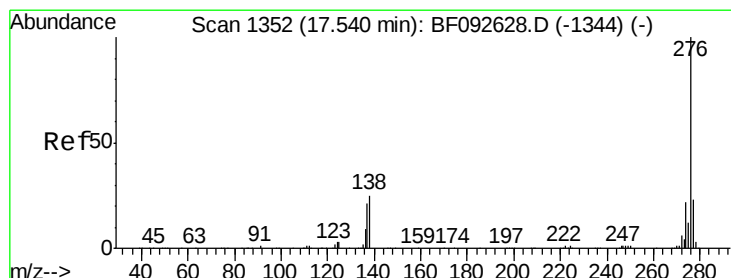
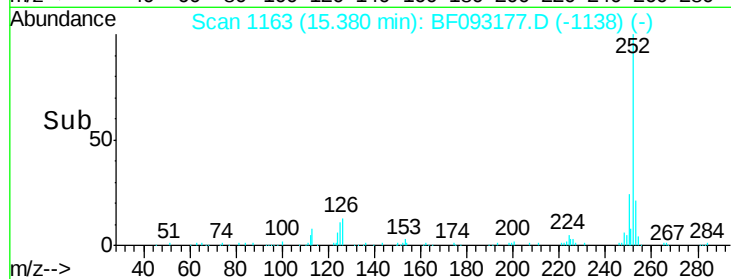
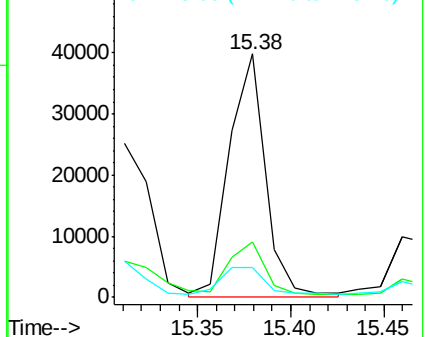
125 12.5 10.0 15.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.14 ng

RT: 17.27 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF093177.D

Acq: 25 Feb 2017 7:56

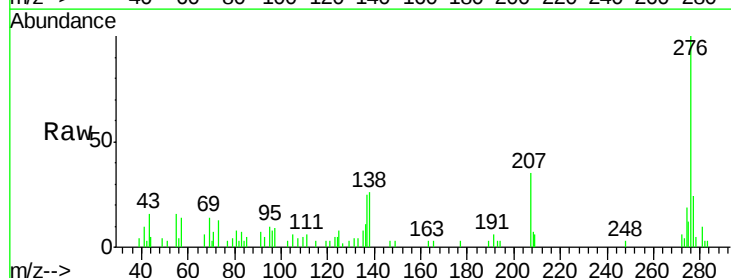
Tgt Ion: 276 Resp: 25412

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 25.6 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

