

Data File : BF093173.D
Acq On : 25 Feb 2017 6:04
Operator : SJ/MA
Sample : I1973-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-6

Quant Time: Feb 26 23:36:50 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	149882	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	598335	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	240205	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	341395	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	301368	20.00	ng	-0.01
86) Perylene-d12	15.44	264	256212	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1347020	154.19	ng	-0.01
7) Phenol-d6	6.48	99	1639008	145.81	ng	-0.01
23) Nitrobenzene-d5	7.40	82	946860	88.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	229234	131.95	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1494913	112.75	ng	-0.02
78) Terphenyl-d14	12.95	244	908916	70.87	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	105694	8.04	ng	95
15) Benzyl Alcohol	6.99	79	16784	2.02	ng	# 44
19) n-Nitroso-di-n-propylamine	7.40	70	124382	17.38	ng	# 82
25) Isophorone	7.40	82	815945	40.75	ng	# 65
49) Dimethylphthalate	9.60	163	420127	25.97	ng	100
56) 2,4-Dinitrotoluene	9.87	165	30284	6.51	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.67	198	724	3.00	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	17286	4.85	ng	# 1
74) Fluoranthene	12.58	202	40686	2.02	ng	92
87) Benzo(b)fluoranthene	15.03	252	37447	2.22	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	37447	2.57	ng	# 95

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

Data File : BF093173.D

Acq On : 25 Feb 2017 6:04

Operator : SJ/MA

Sample : I1973-16

Misc :

ALS Vial : 26 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

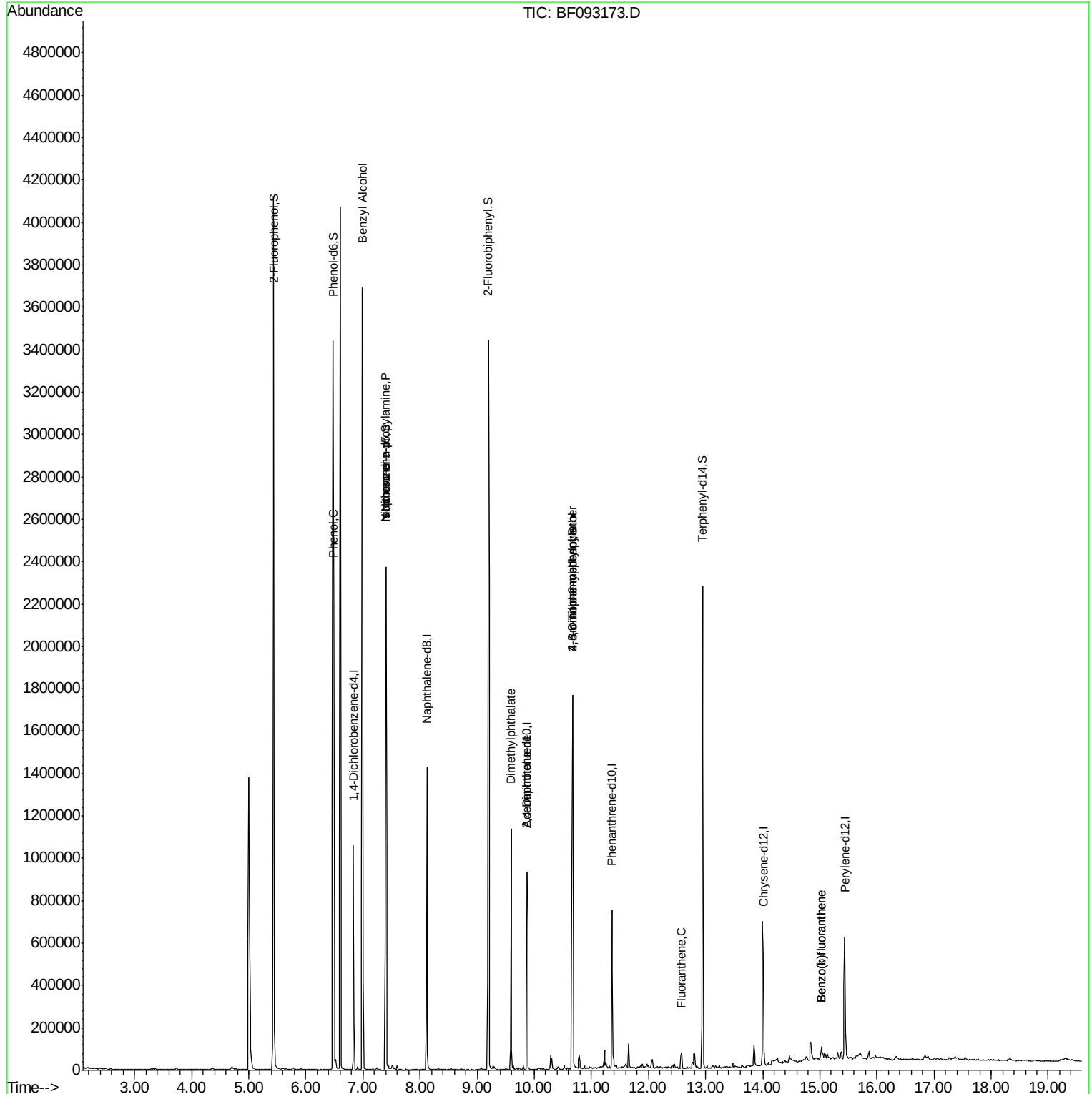
Quant Time: Feb 26 23:36:50 2017

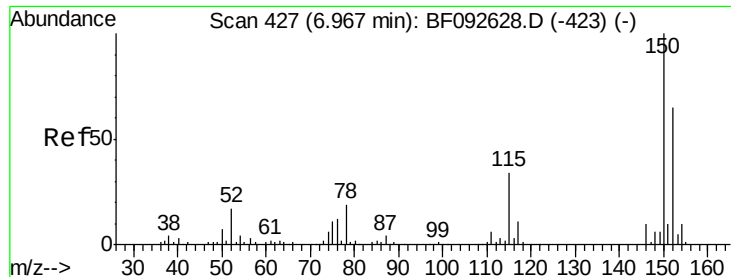
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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: BF093173.D

Acq: 25 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

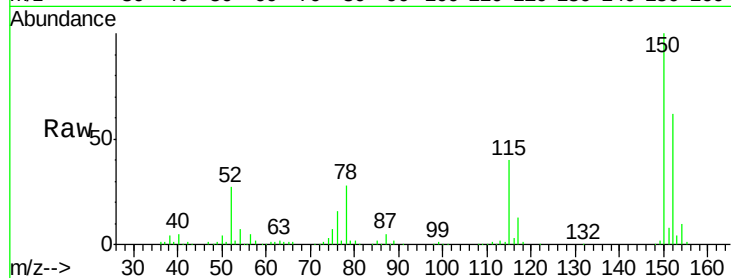
Tgt Ion:152 Resp: 149882

Ion Ratio Lower Upper

152 100

150 161.2 124.9 187.3

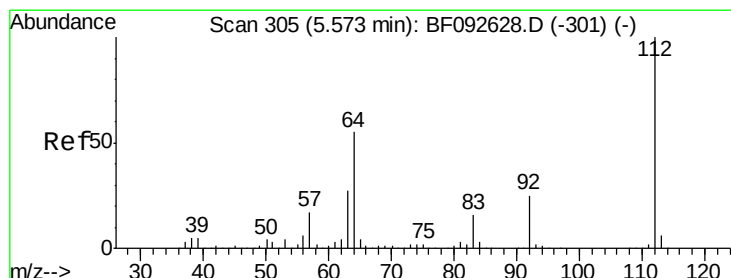
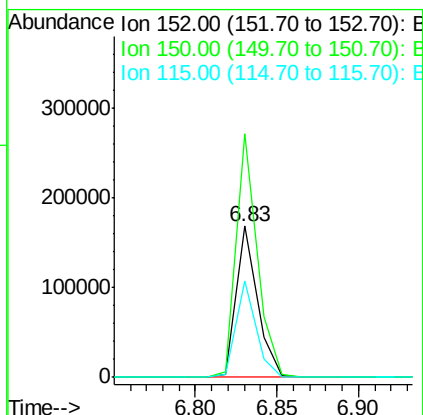
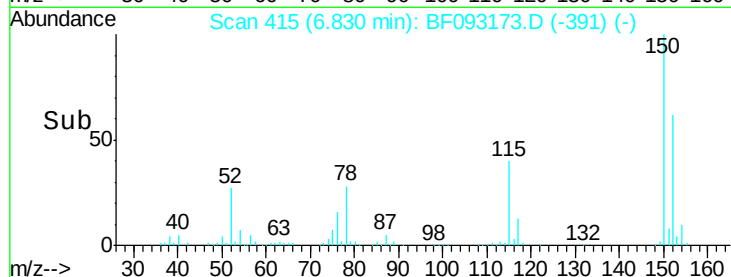
115 63.7 46.0 69.0



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: 154.19 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

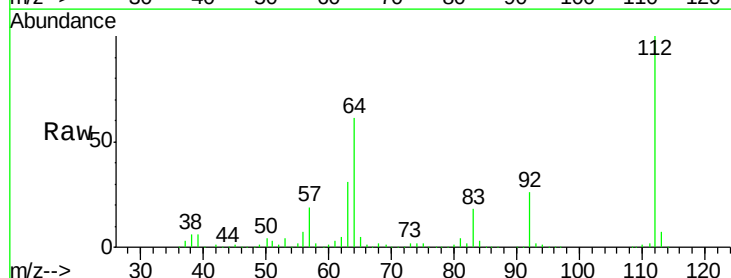
Tgt Ion:112 Resp: 1347020

Ion Ratio Lower Upper

112 100

64 61.0 46.1 69.1

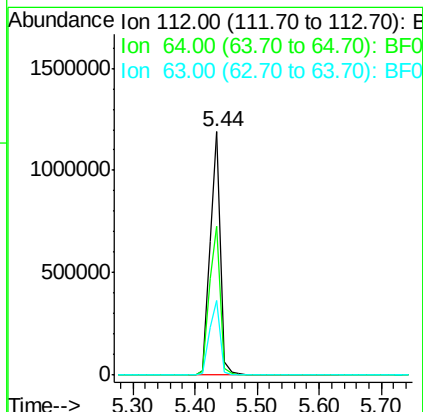
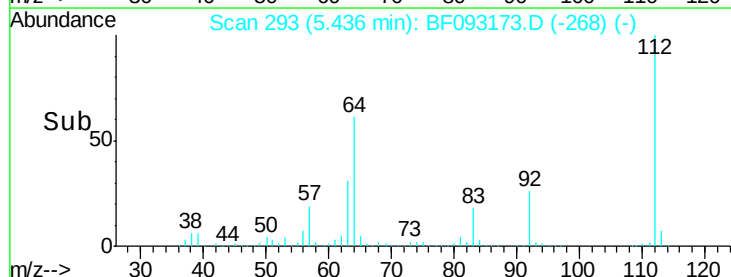
63 30.7 23.8 35.6

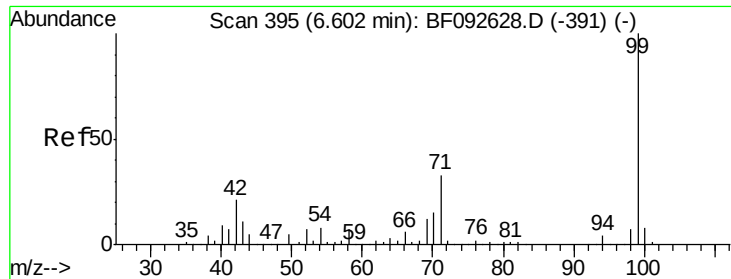


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.81 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

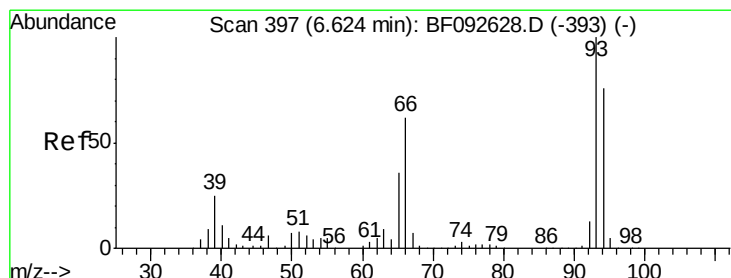
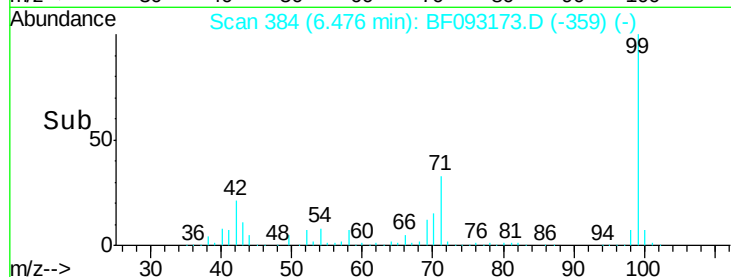
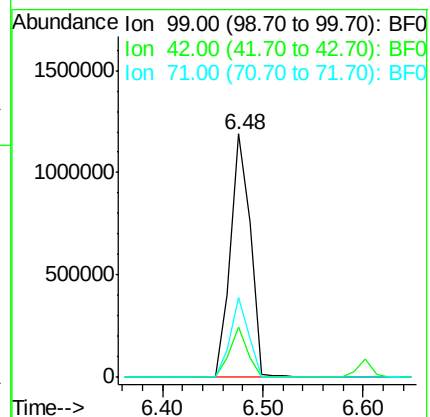
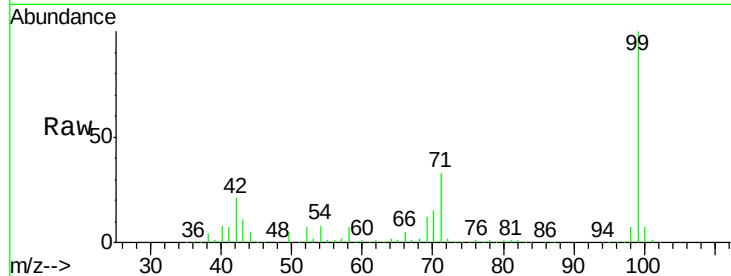
Tgt Ion: 99 Resp: 1639008

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

71 32.9 27.5 41.3



#10

Phenol

Concen: 8.04 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

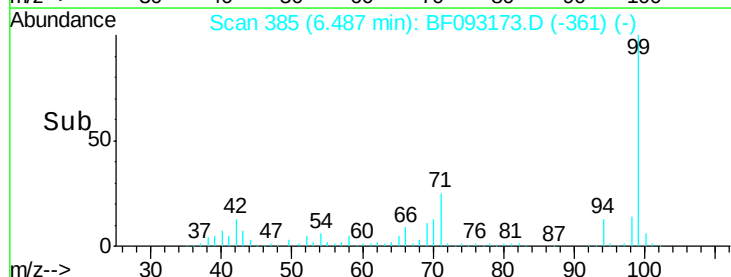
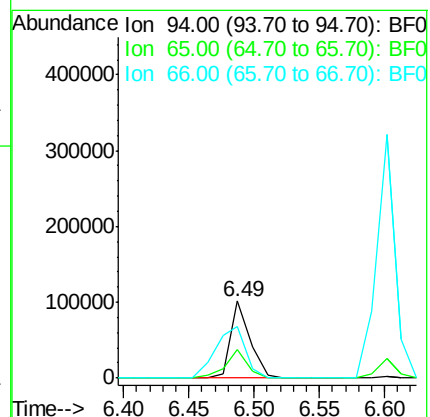
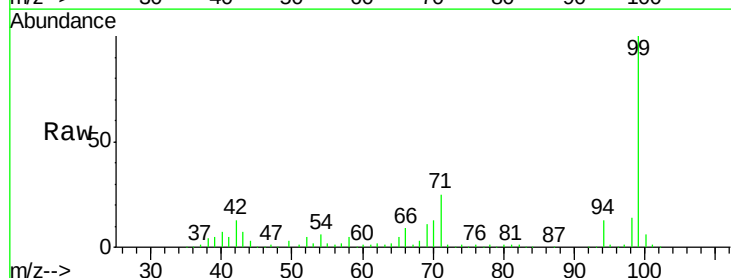
Tgt Ion: 94 Resp: 105694

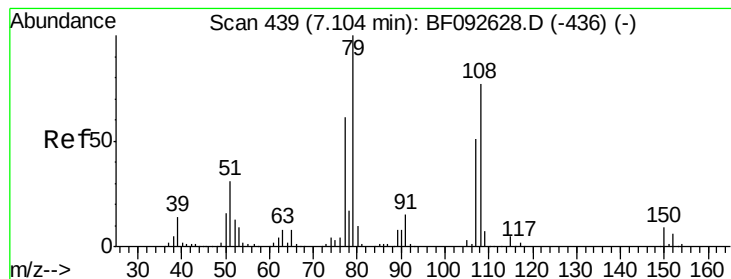
Ion Ratio Lower Upper

94 100

65 37.8 21.4 61.4

66 67.3 44.0 84.0





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

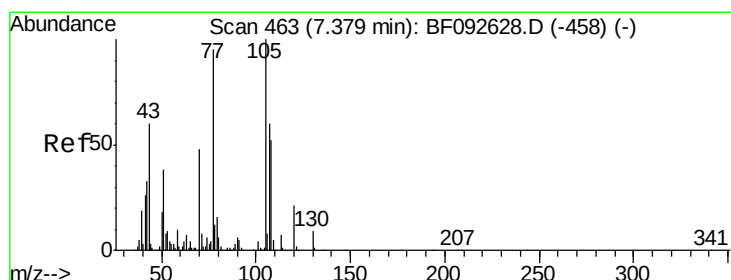
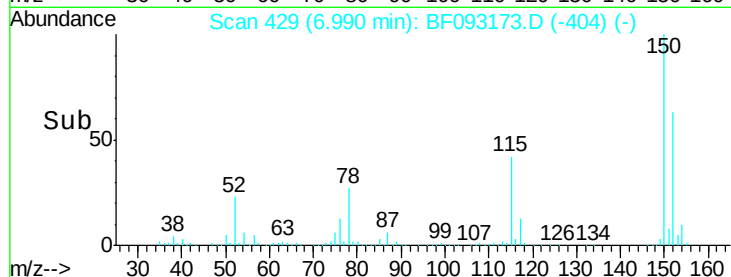
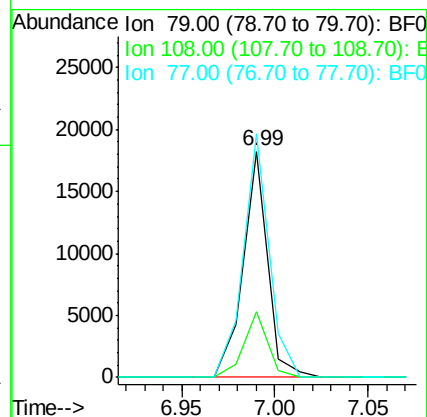
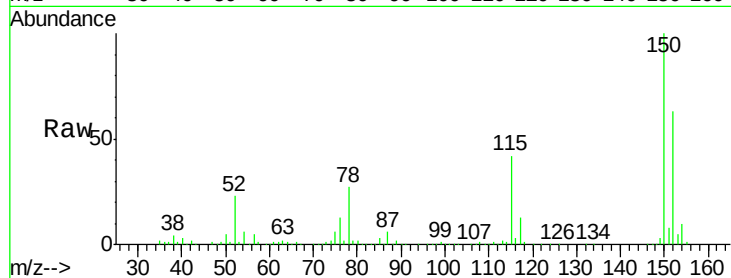
Tgt Ion: 79 Resp: 16784

Ion Ratio Lower Upper

79 100

108 29.0 61.4 92.0#

77 107.6 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 17.38 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

Tgt Ion: 70 Resp: 124382

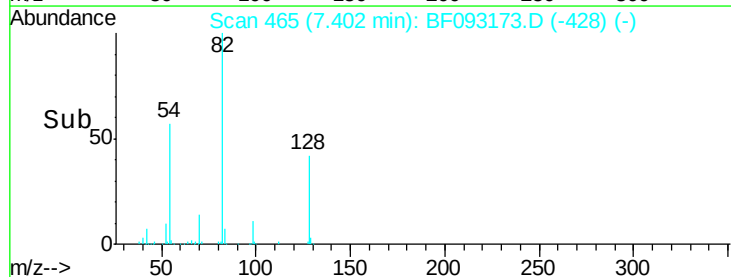
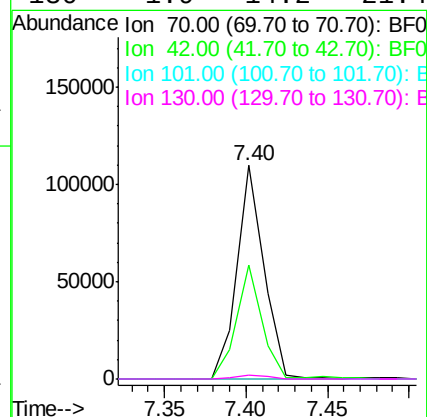
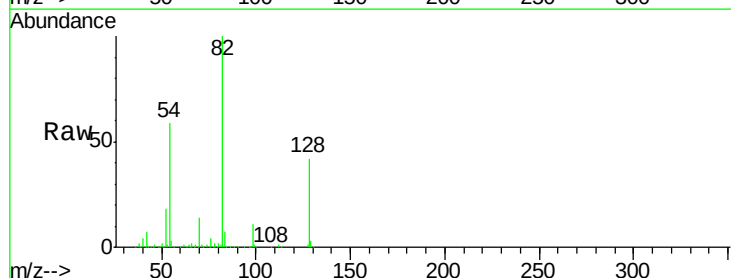
Ion Ratio Lower Upper

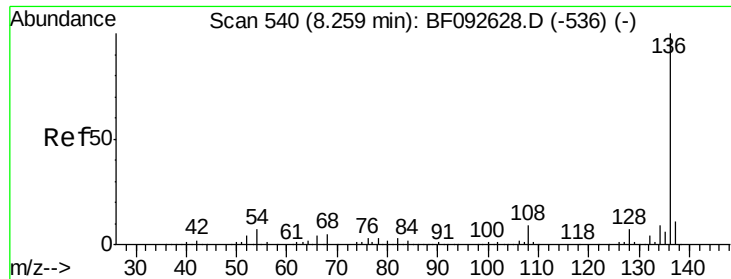
70 100

42 53.1 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

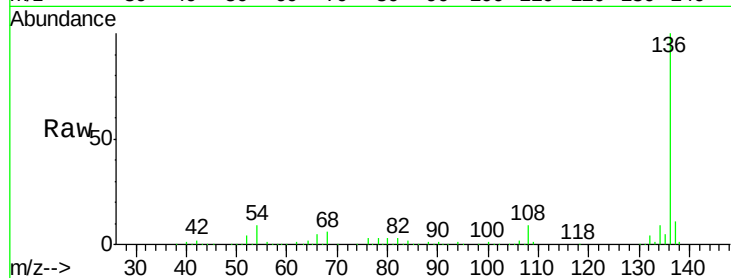




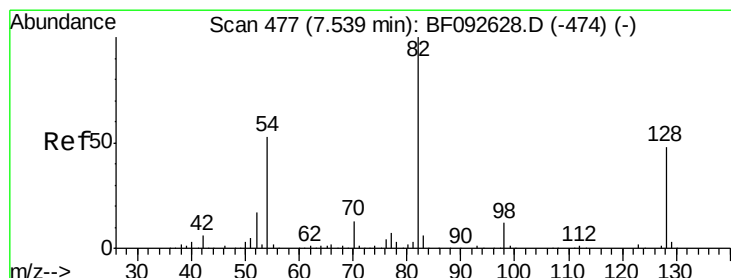
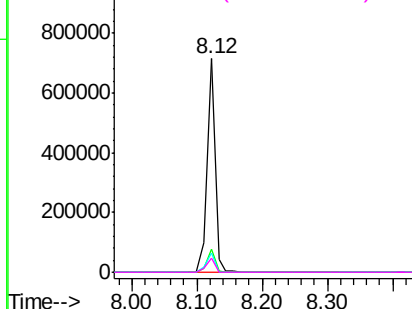
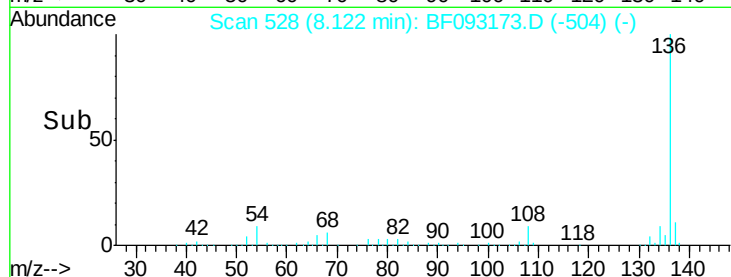
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093173.D
Acq: 25 Feb 2017 6:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-6

Tgt Ion:	136	Resp:	598335
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.3	4.5	6.7#
68	6.5	3.6	5.4#

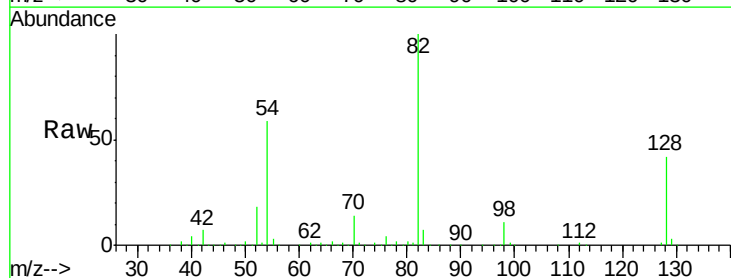


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

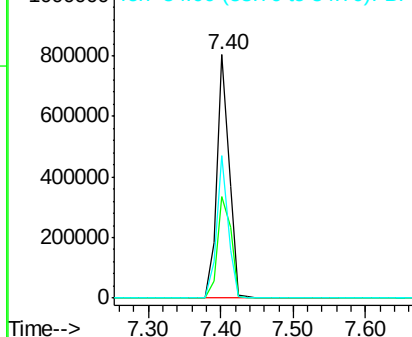
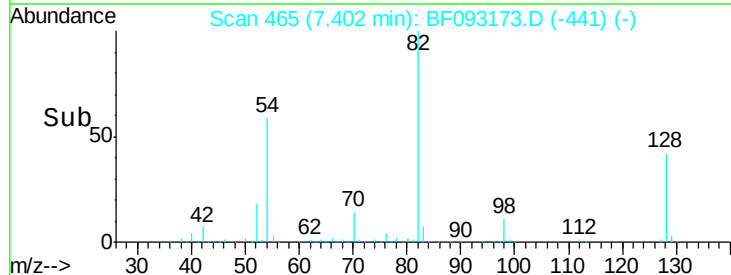


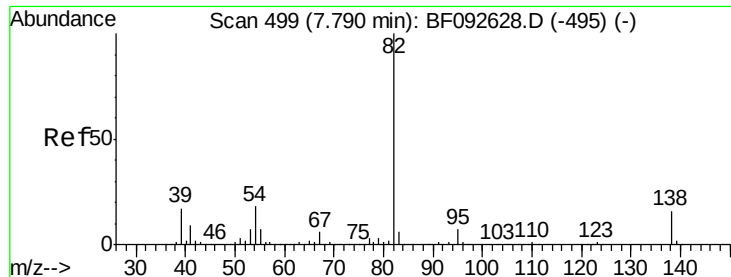
#23
Nitrobenzene-d5
Concen: 88.12 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093173.D
Acq: 25 Feb 2017 6:04

Tgt Ion:	82	Resp:	946860
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.6	52.0
54	58.7	39.5	59.3



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





#25

Isophorone

Concen: 40.75 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

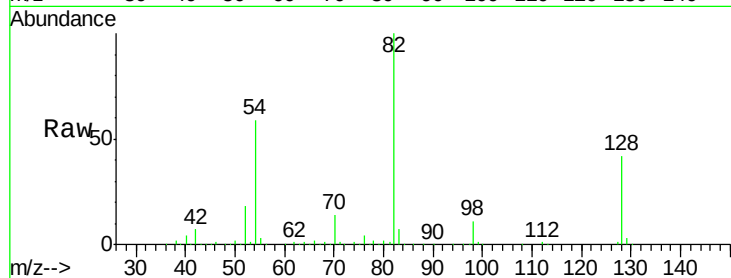
Tgt Ion: 82 Resp: 815945

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

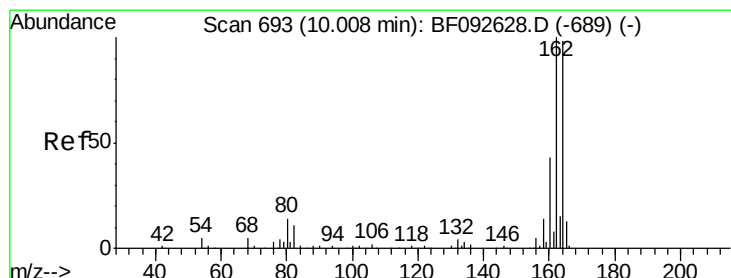
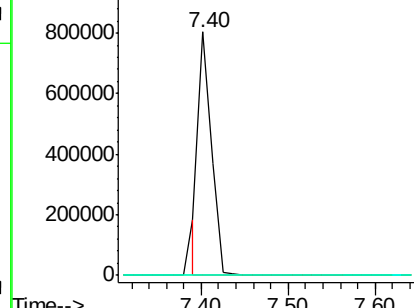
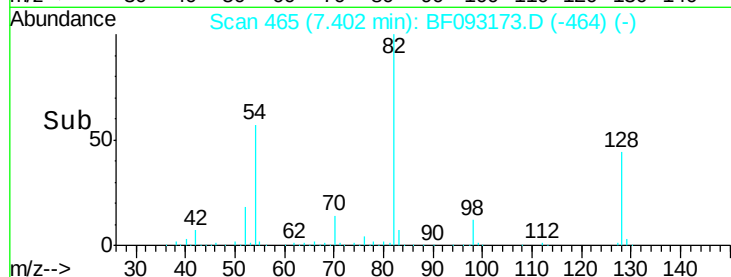
138 0.0 14.6 22.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

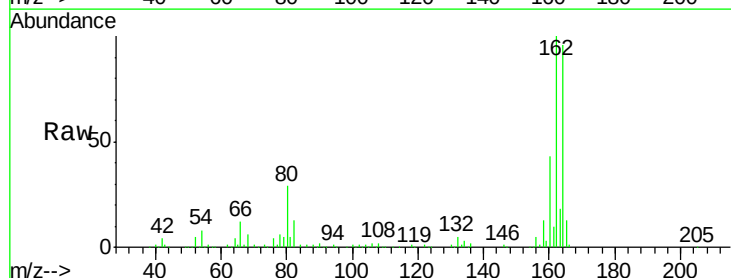
Tgt Ion: 164 Resp: 240205

Ion Ratio Lower Upper

164 100

162 104.1 80.2 120.2

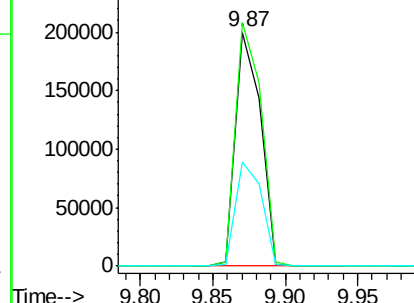
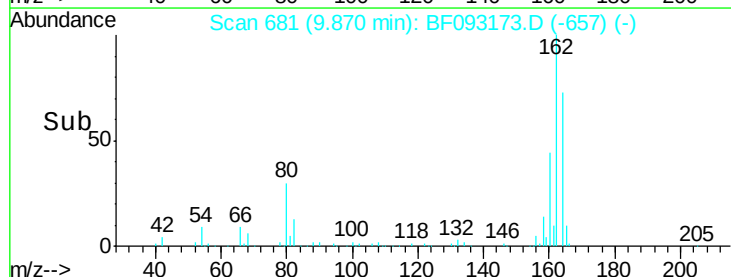
160 44.7 36.9 55.3

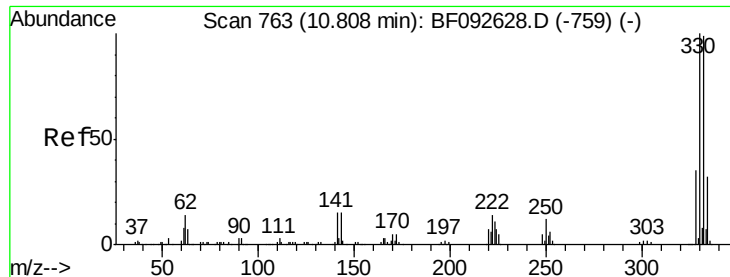


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

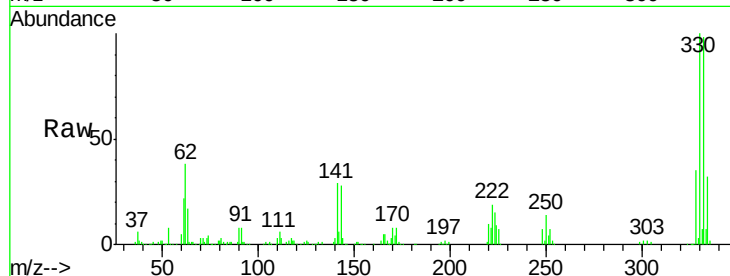




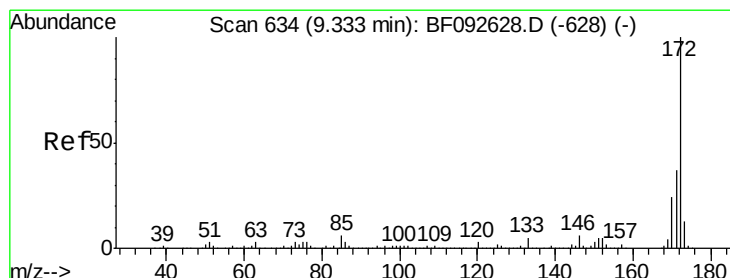
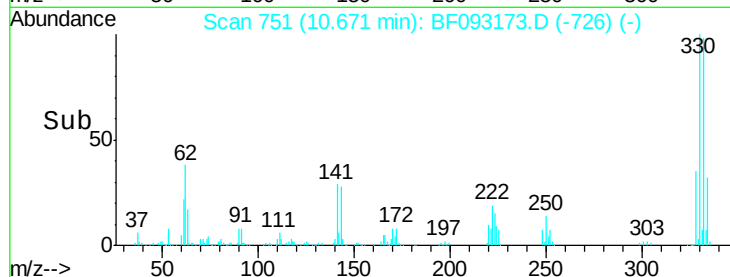
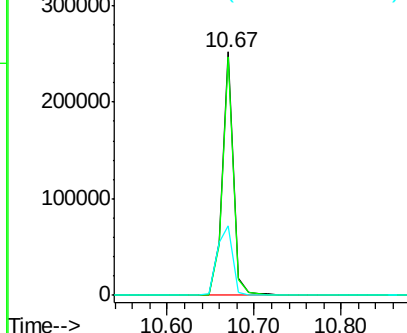
#41
 2,4,6-Tribromophenol
 Concen: 131.95 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093173.D
 Acq: 25 Feb 2017 6:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-6

Tgt Ion:330 Resp: 229234
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 40.0 34.1 51.1

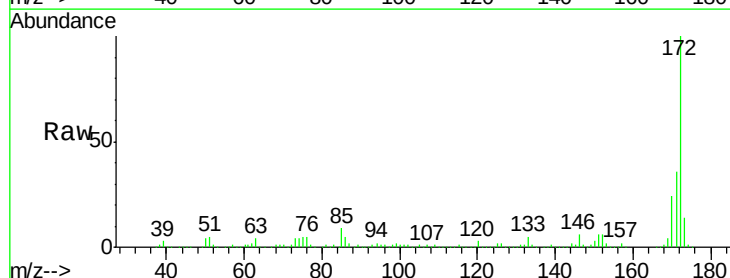


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

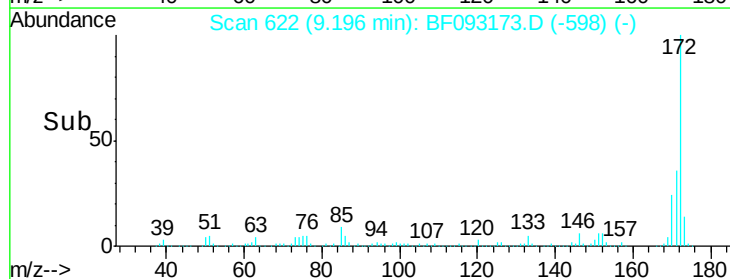
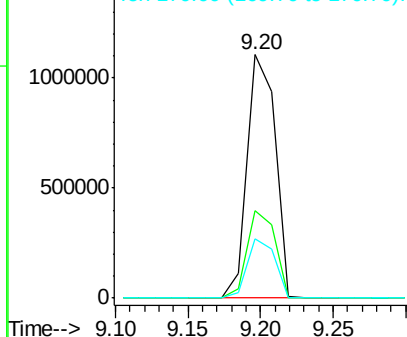


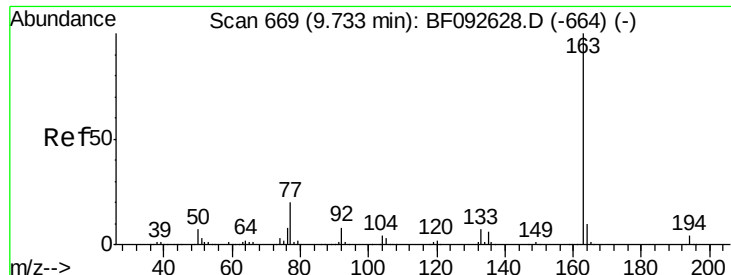
#44
 2-Fluorobiphenyl
 Concen: 112.75 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093173.D
 Acq: 25 Feb 2017 6:04

Tgt Ion:172 Resp: 1494913
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.3 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

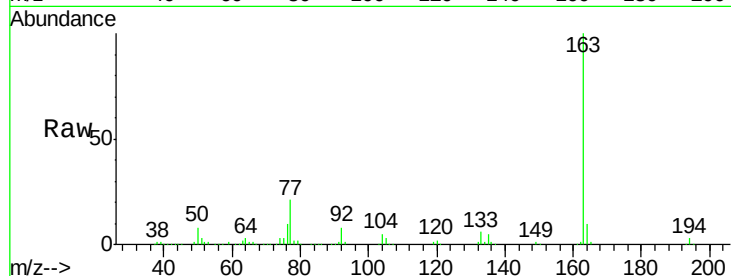




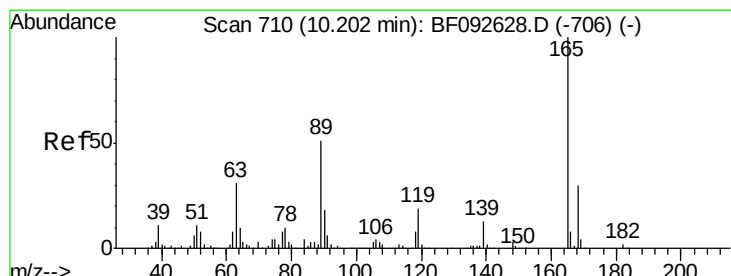
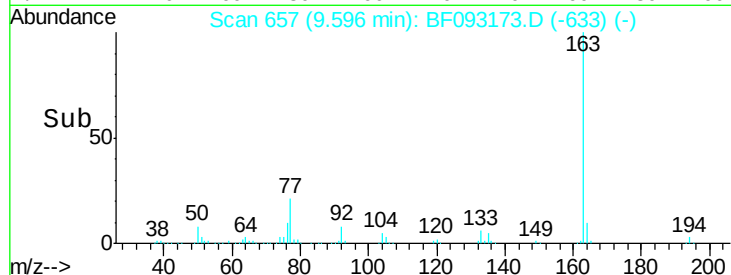
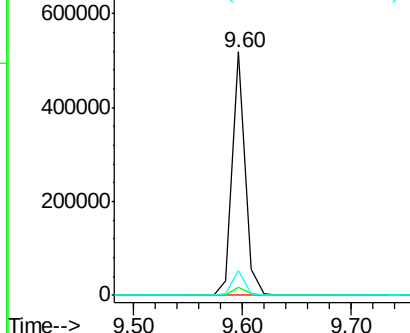
#49
Dimethylphthalate
Concen: 25.97 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093173.D
Acq: 25 Feb 2017 6:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-6

Tgt Ion:163 Resp: 420127
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.0 8.0 12.0

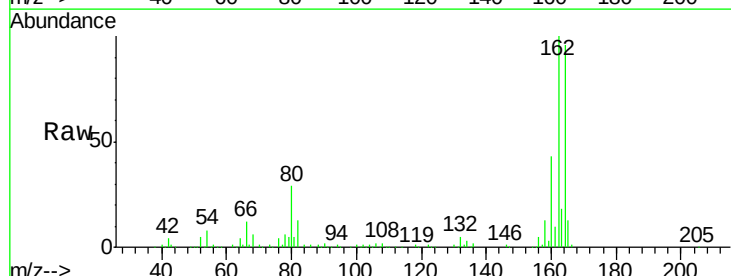


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

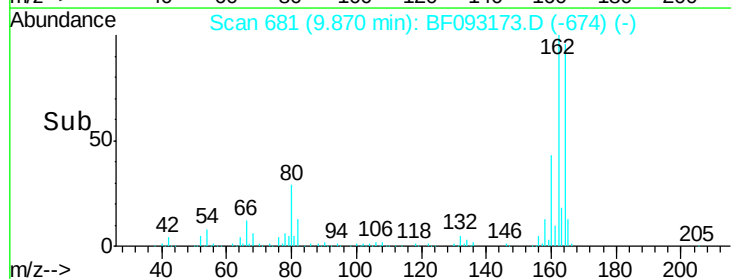
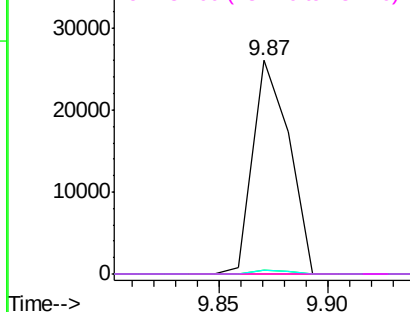


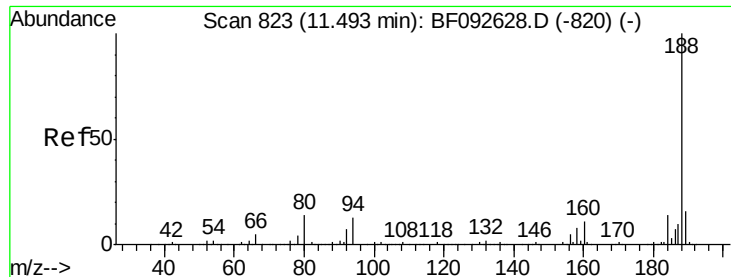
#56
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.22 min
Lab File: BF093173.D
Acq: 25 Feb 2017 6:04

Tgt Ion:165 Resp: 30284
Ion Ratio Lower Upper
165 100
63 2.0 40.2 60.4#
89 1.7 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

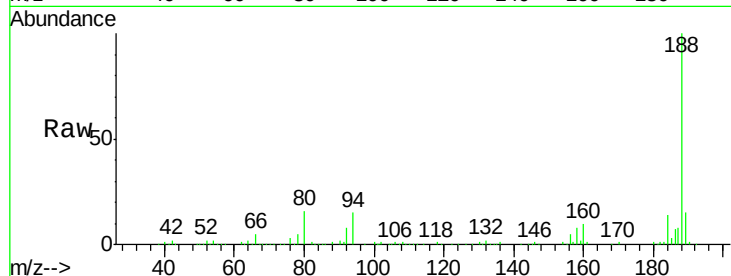




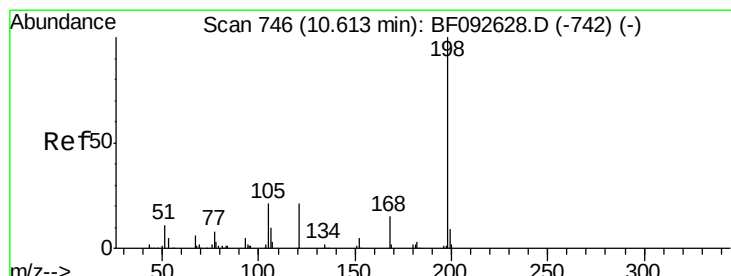
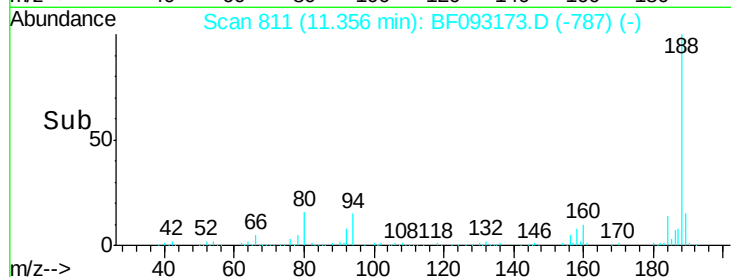
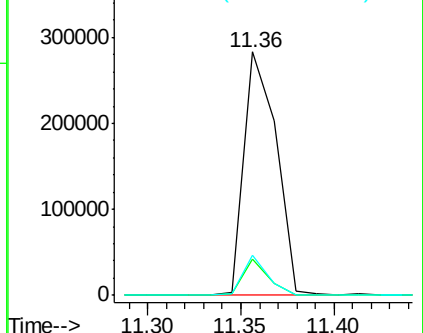
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093173.D
 Acq: 25 Feb 2017 6:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-6

Tgt Ion:188 Resp: 341395
 Ion Ratio Lower Upper
 188 100
 94 15.0 10.0 15.0
 80 16.3 11.2 16.8

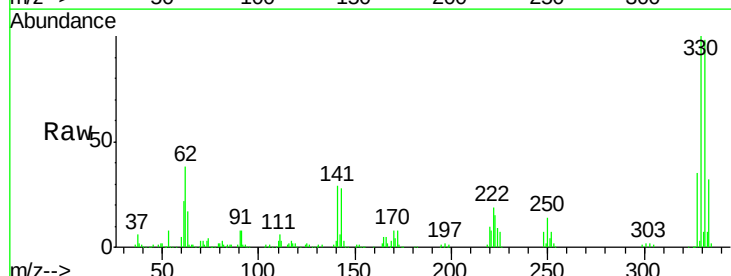


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

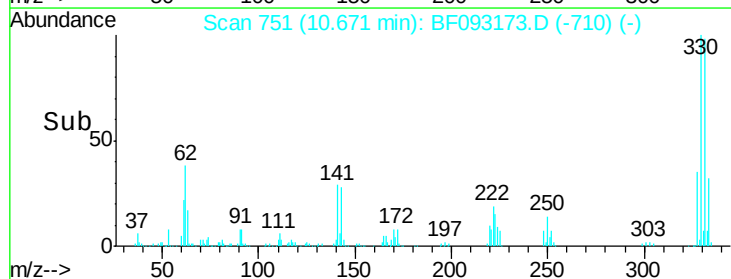
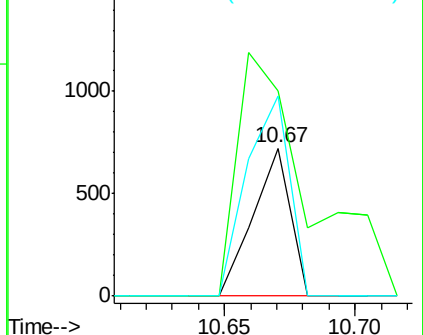


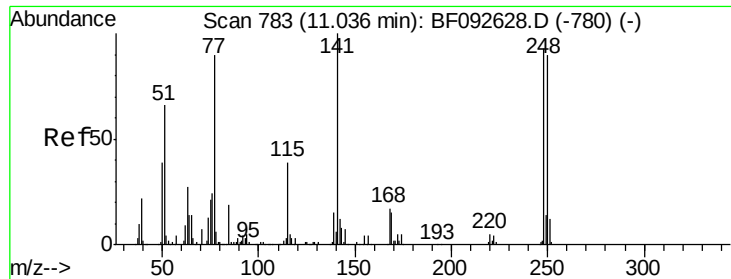
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.00 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.17 min
 Lab File: BF093173.D
 Acq: 25 Feb 2017 6:04

Tgt Ion:198 Resp: 724
 Ion Ratio Lower Upper
 198 100
 51 138.1 6.7 46.7#
 105 134.9 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: 4.85 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

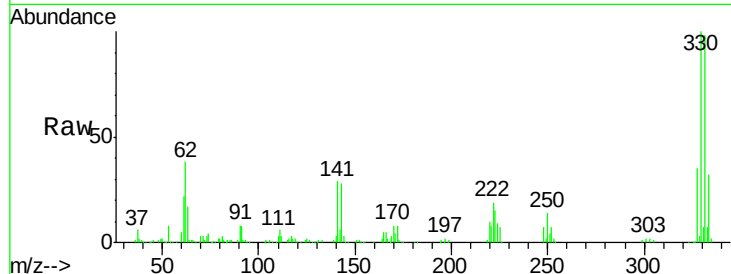
Tgt Ion:248 Resp: 17286

Ion Ratio Lower Upper

248 100

250 193.6 76.9 115.3#

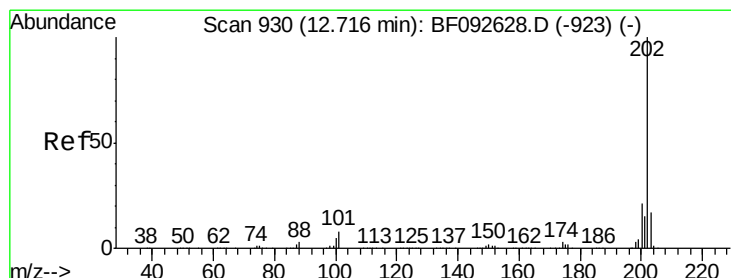
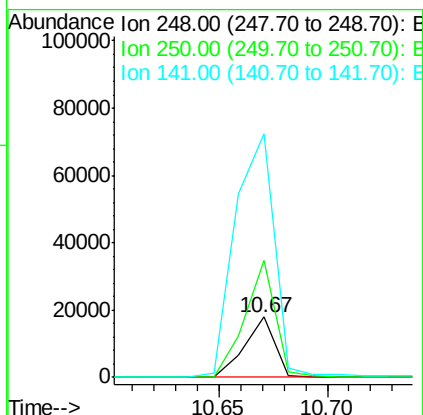
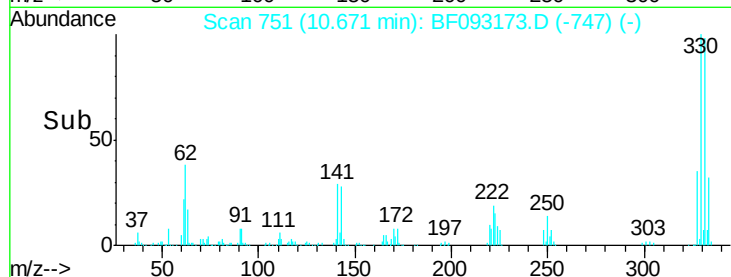
141 403.3 68.2 102.4#



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: 2.02 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

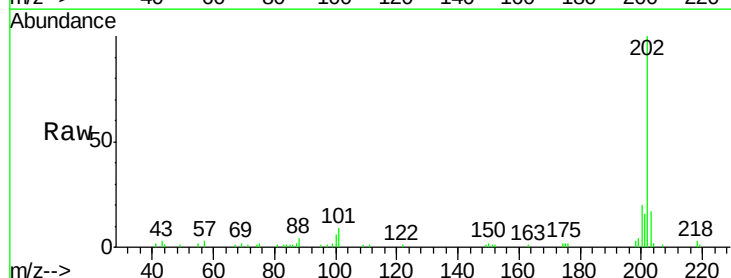
Tgt Ion:202 Resp: 40686

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.6

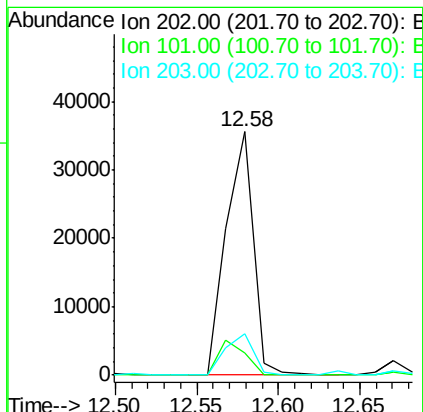
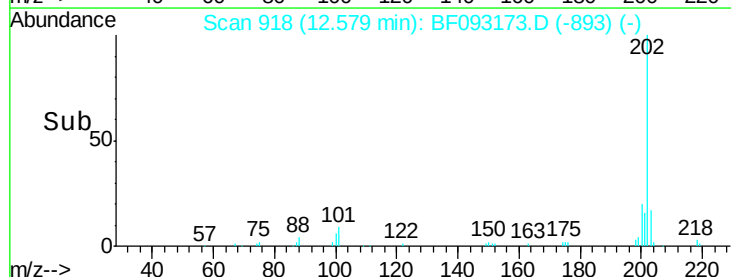
203 16.9 0.0 38.7

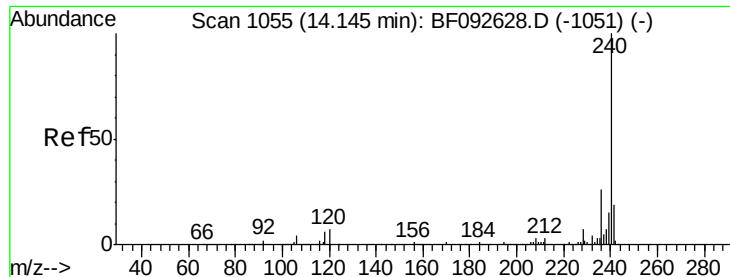


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF093173.D

Acq: 25 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

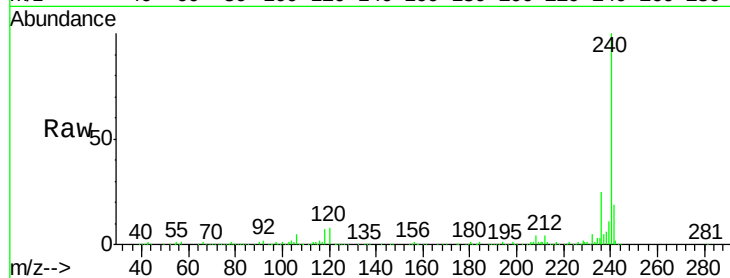
Tgt Ion:240 Resp: 301368

Ion Ratio Lower Upper

240 100

120 7.9 12.9 19.3#

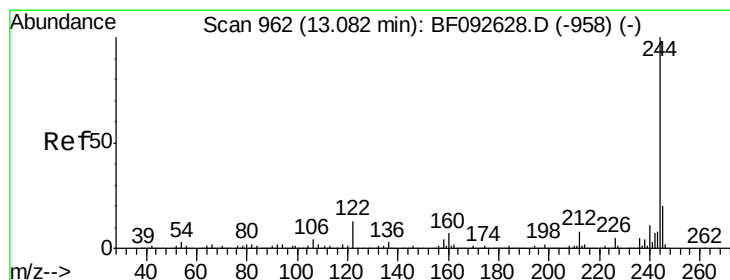
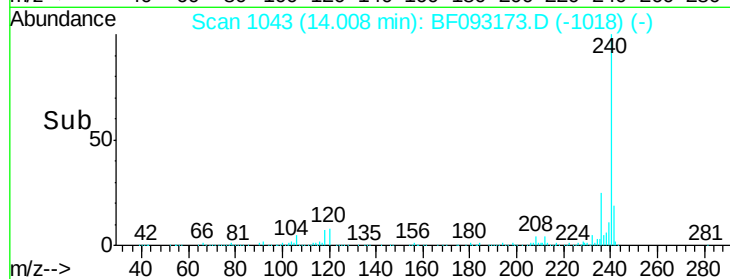
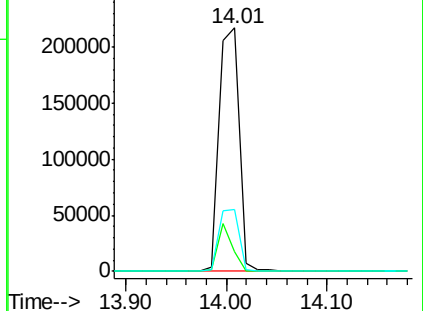
236 25.3 20.9 31.3



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



#78

Terphenyl-d14

Concen: 70.87 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

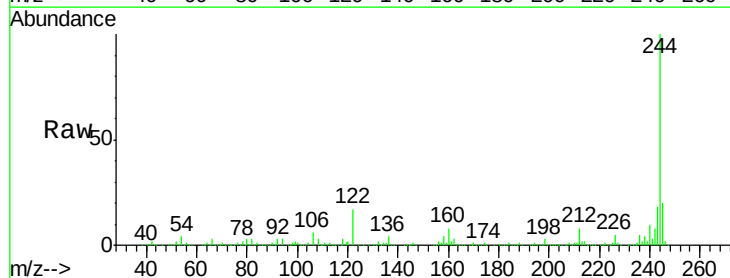
Tgt Ion:244 Resp: 908916

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

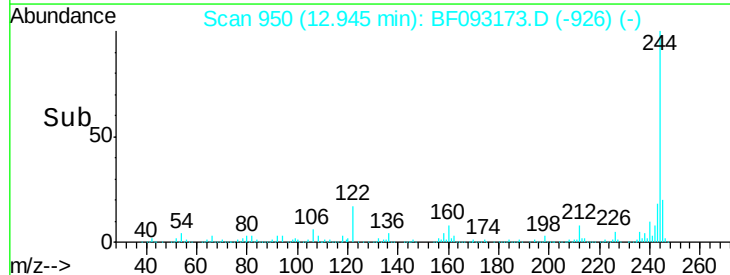
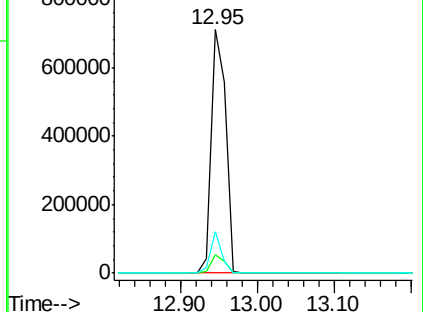
122 16.8 11.4 17.2

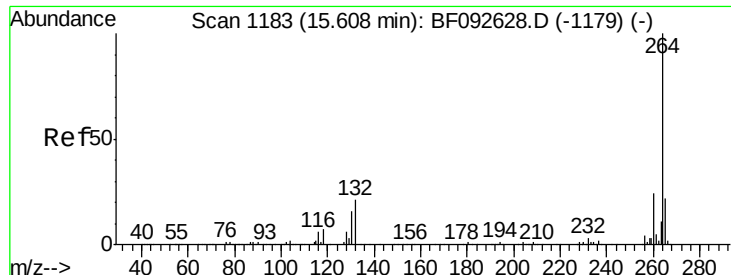


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

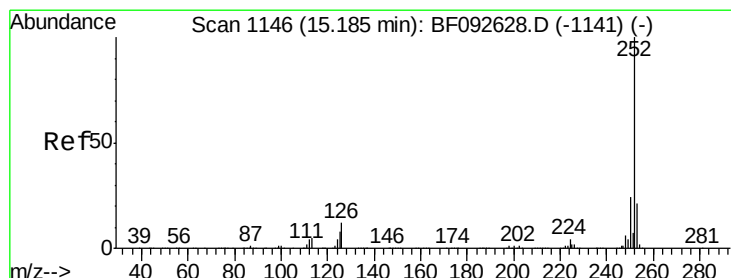
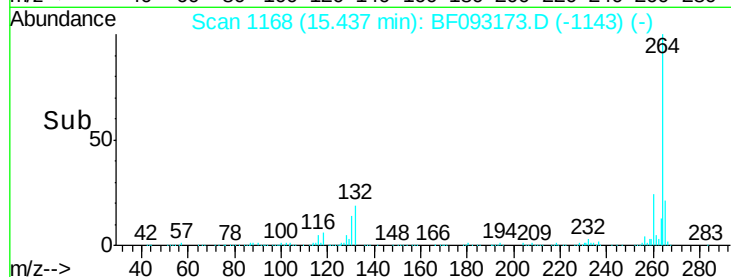
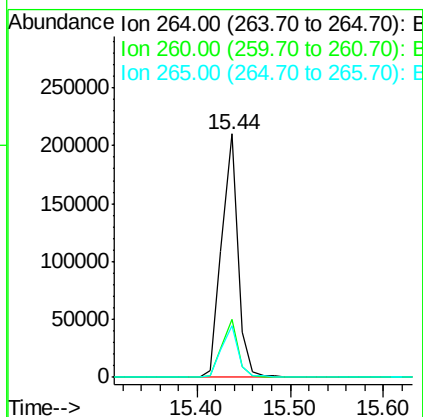
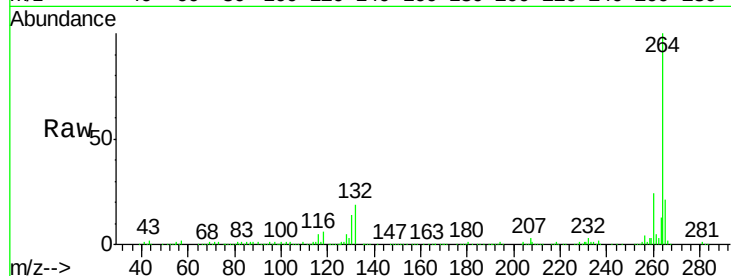




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093173.D
Acq: 25 Feb 2017 6:04

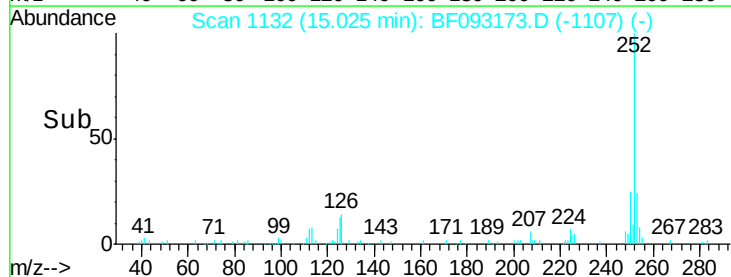
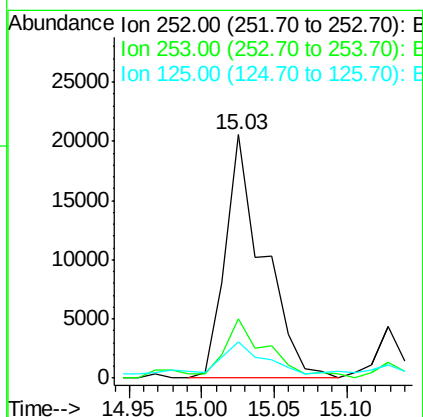
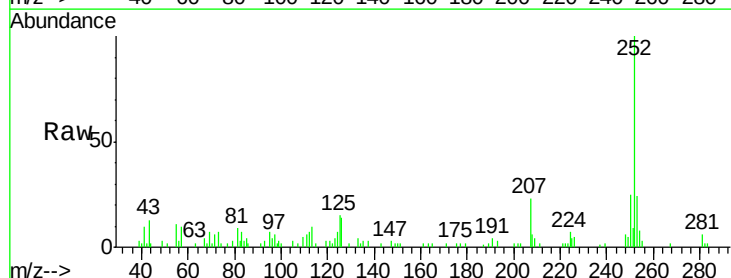
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-6

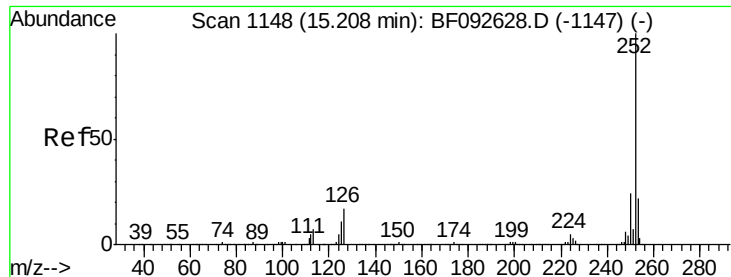
Tgt Ion: 264 Resp: 256212
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.2 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.22 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093173.D
Acq: 25 Feb 2017 6:04

Tgt Ion: 252 Resp: 37447
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.4
125 15.0 9.8 14.6#





#88

Benzo(k)fluoranthene

Concen: 2.57 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.05 min

Lab File: BF093173.D

Acq: 25 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-6

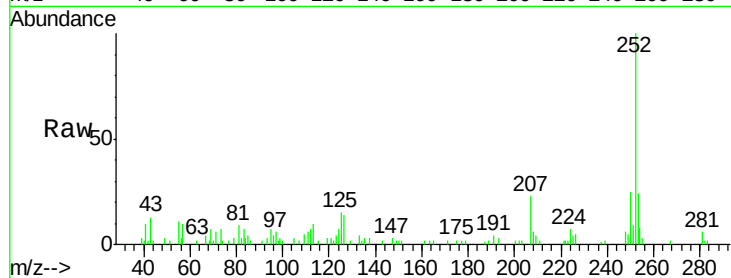
Tgt Ion:252 Resp: 37447

Ion Ratio Lower Upper

252 100

253 24.4 18.5 27.7

125 15.0 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

