

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093352.D
 Acq On : 3 Mar 2017 10:11
 Operator : SJ/MA
 Sample : I2056-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9B-25

Quant Time: Mar 03 11:52:33 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

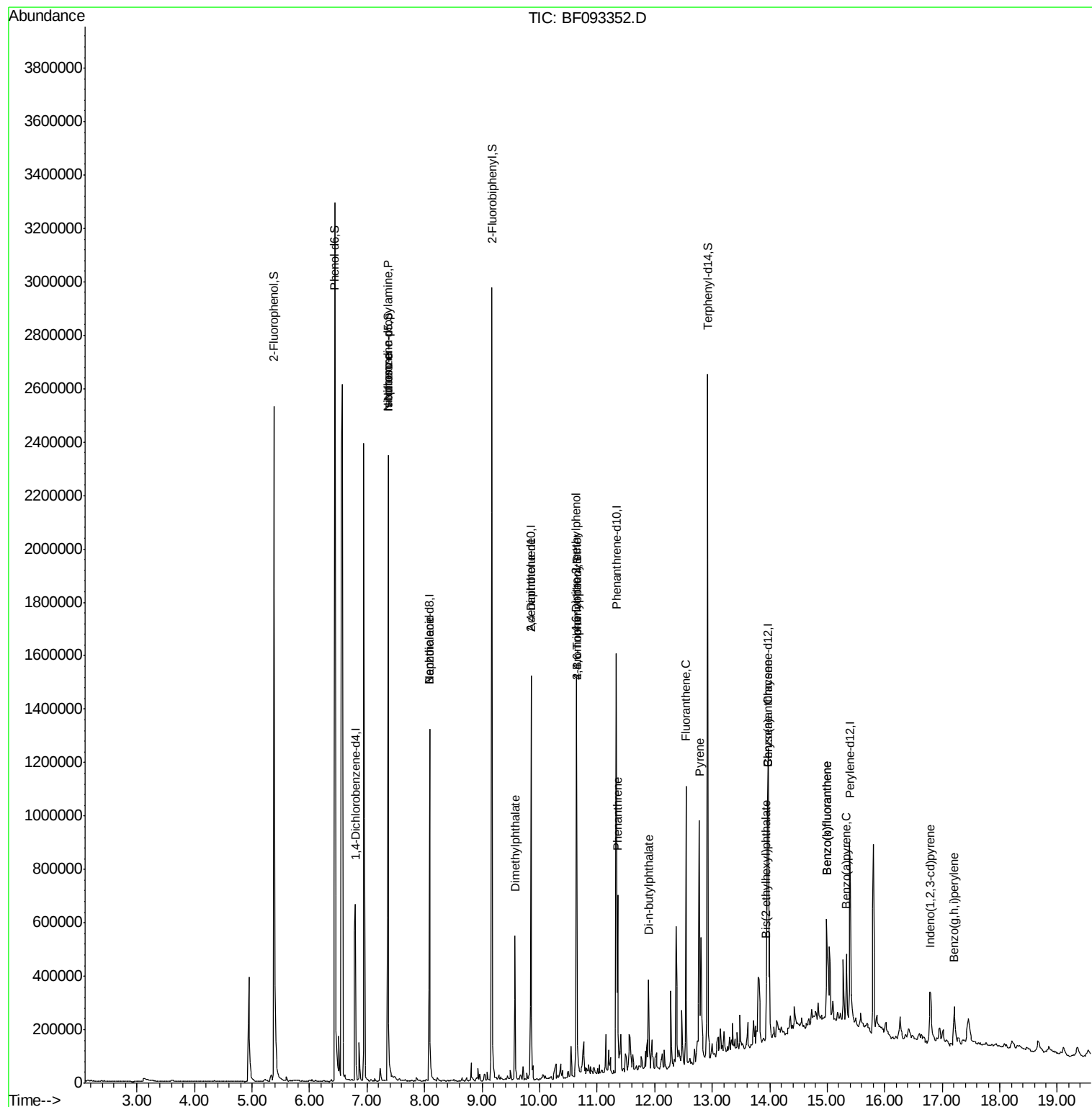
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	147115	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	626134	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	292831	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	536220	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	391362	20.00	ng	-0.05
86) Perylene-d12	15.39	264	310932	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	999325	116.54	ng	-0.07
7) Phenol-d6	6.44	99	1232278	111.69	ng	-0.05
23) Nitrobenzene-d5	7.37	82	789042	70.18	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	249044	117.59	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1267491	78.42	ng	-0.05
78) Terphenyl-d14	12.92	244	1040631	62.48	ng	-0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	105167	14.97	ng	# 79
25) Isophorone	7.37	82	652801	31.16	ng	# 65
32) Benzoic acid	8.09	122	220	7.20	ng	# 1
49) Dimethylphthalate	9.57	163	281878	14.29	ng	100
56) 2,4-Dinitrotoluene	9.85	165	38321	6.76	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.64	198	712	2.87	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	18060	3.22	ng	# 1
70) Phenanthrene	11.36	178	238150	7.75	ng	97
73) Di-n-butylphthalate	11.89	149	157112	4.93	ng	# 97
74) Fluoranthene	12.54	202	407652	12.86	ng	99
77) Pyrene	12.77	202	355566	12.14	ng	98
80) Benzo(a)anthracene	13.96	228	200988	8.40	ng	98
82) Chrysene	13.96	228	200988	8.97	ng	97
83) Bis(2-ethylhexyl)phthalate	13.94	149	55682	3.42	ng	100
85) Indeno(1,2,3-cd)pyrene	16.79	276	107840	6.21	ng	98
87) Benzo(b)fluoranthene	14.99	252	269074	13.15	ng	99
88) Benzo(k)fluoranthene	14.99	252	269074	15.23	ng	# 97
89) Benzo(a)pyrene	15.33	252	133389	7.53	ng	# 95
91) Benzo(a,h,i)perylene	17.21	276	110317	7.63	ng	# 88

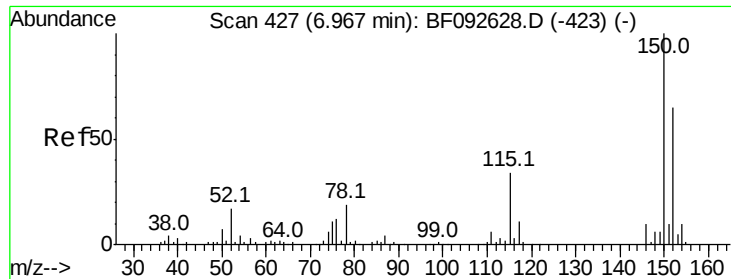
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

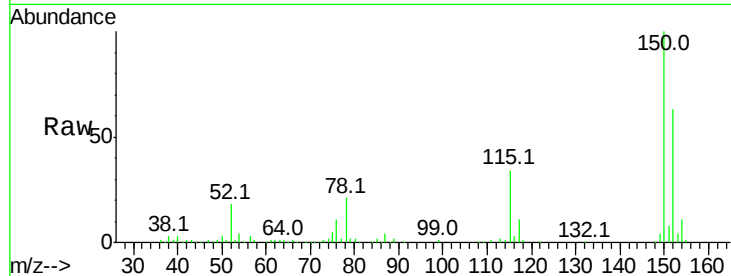
Tot Ion:152 Resp: 147115

Ion Ratio Lower Upper

152 100

150 158.1 124.9 187.3

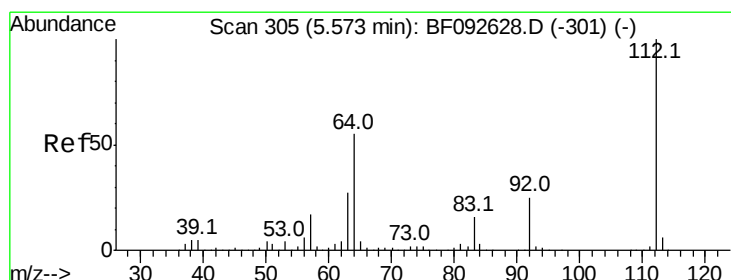
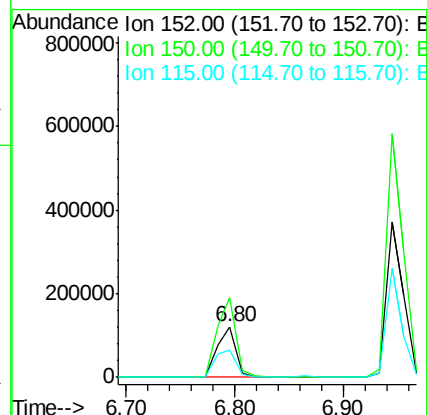
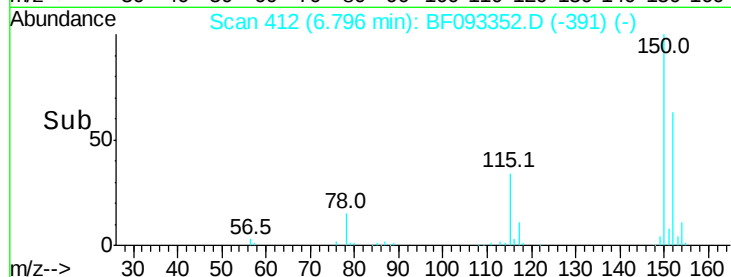
115 54.4 46.0 69.0



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: 116.54 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.07 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

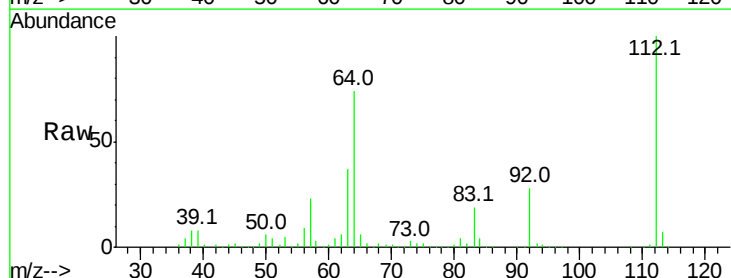
Tgt Ion:112 Resp: 999325

Ion Ratio Lower Upper

112 100

64 74.0 46.1 69.1#

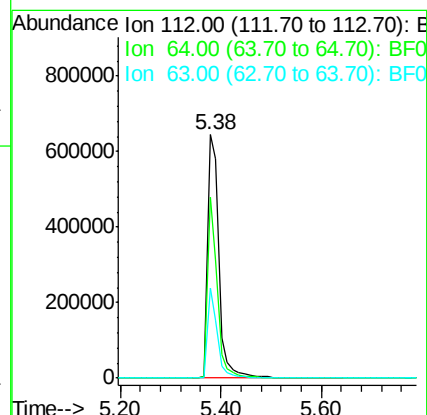
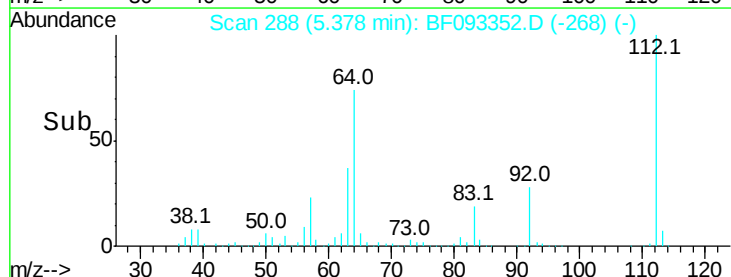
63 36.8 23.8 35.6#

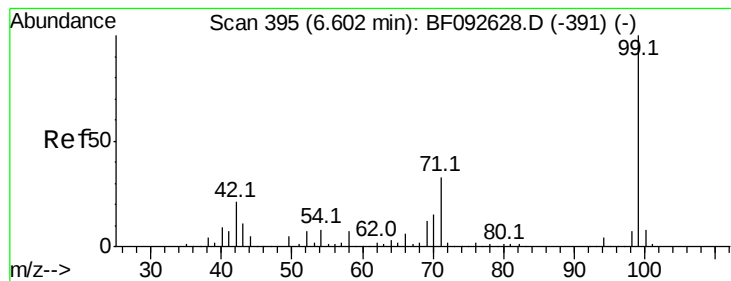


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.69 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampled :

9B-25

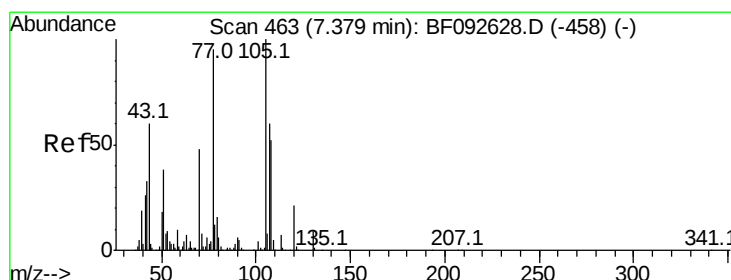
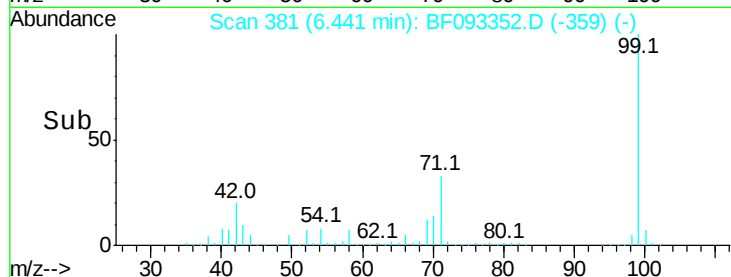
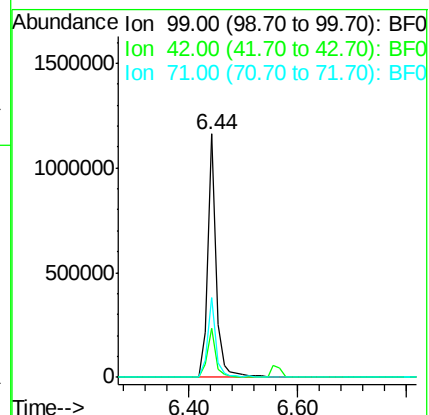
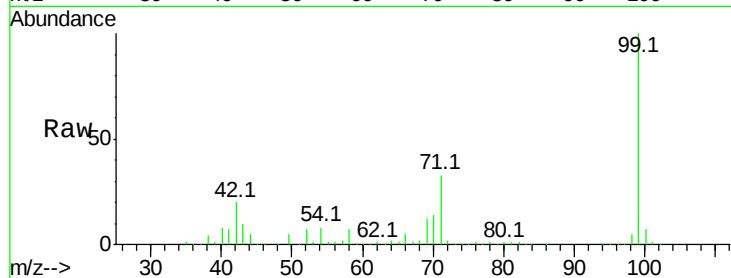
Tot Ion: 99 Resp: 1232278

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

71 32.8 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.97 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Tgt Ion: 70 Resp: 105167

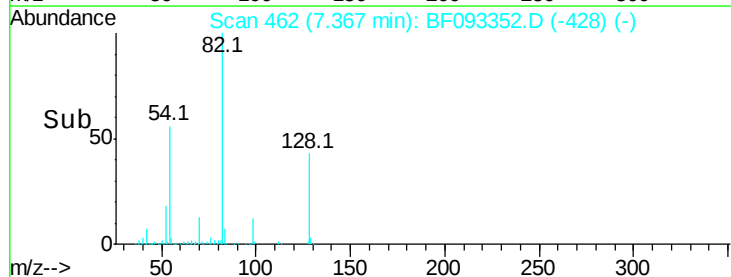
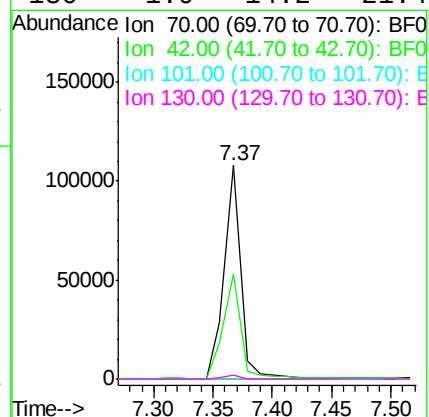
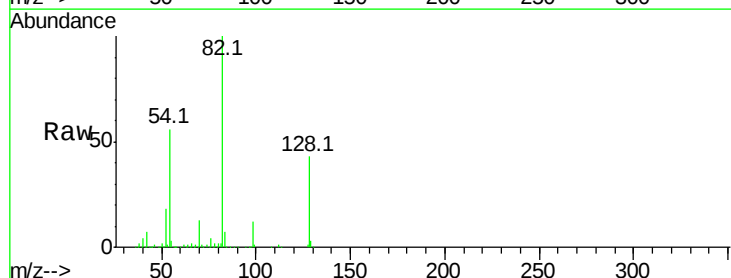
Ion Ratio Lower Upper

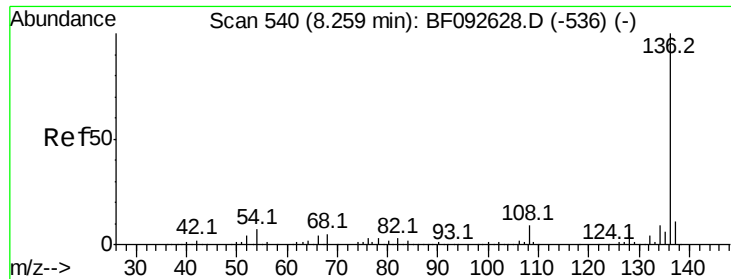
70 100

42 49.2 49.4 74.0#

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

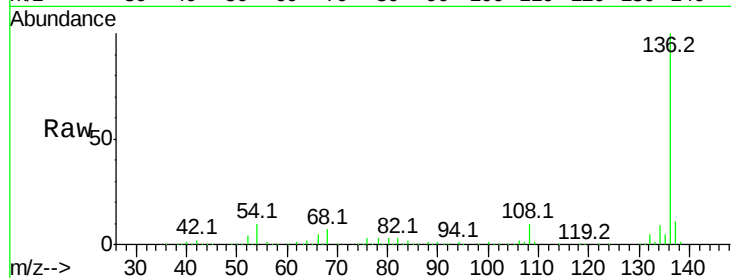




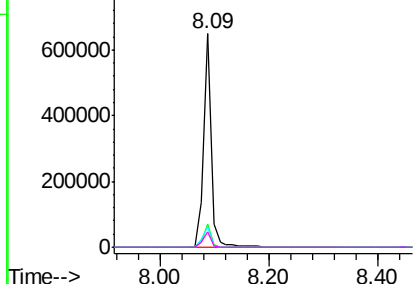
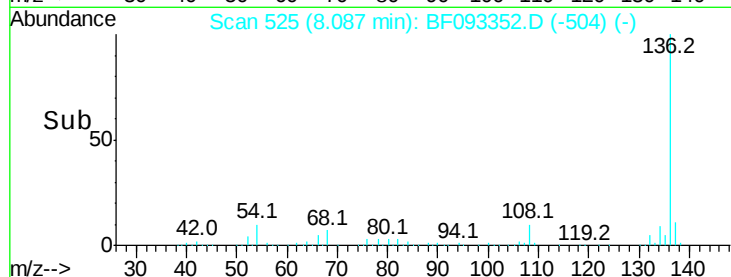
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampleId :
9B-25

Tot Ion:	136	Resp:	626134
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.5	4.5	6.7#
68	6.9	3.6	5.4#

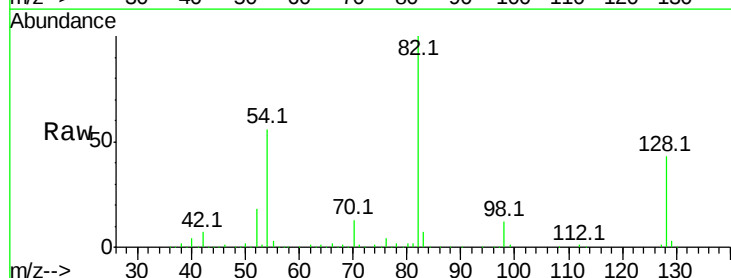


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

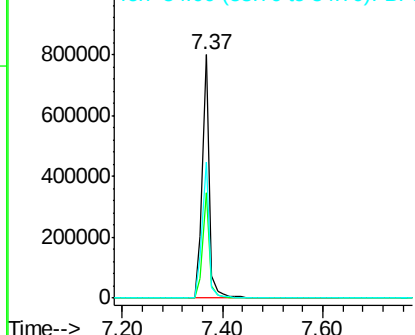
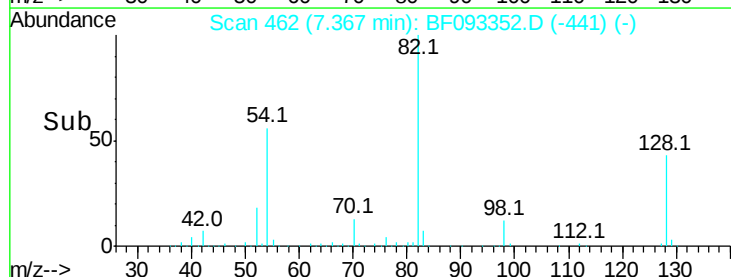


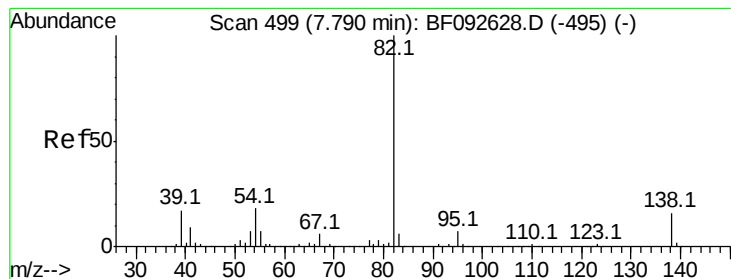
#23
Nitrobenzene-d5
Concen: 70.18 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion:	82	Resp:	789042
Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	52.0
54	55.8	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: 31.16 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.32 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

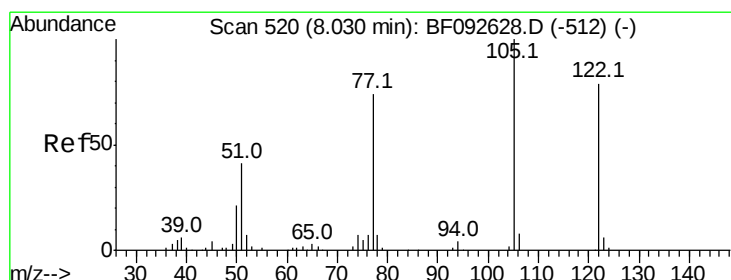
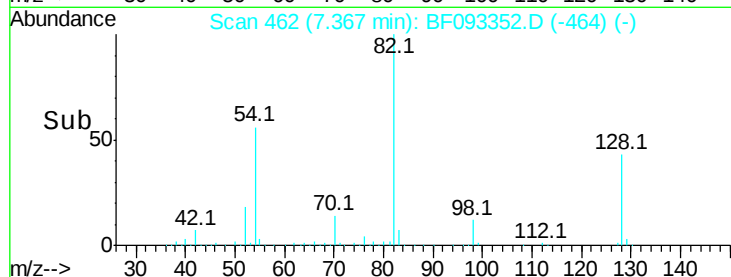
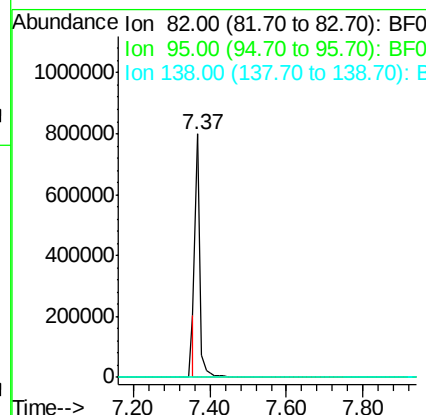
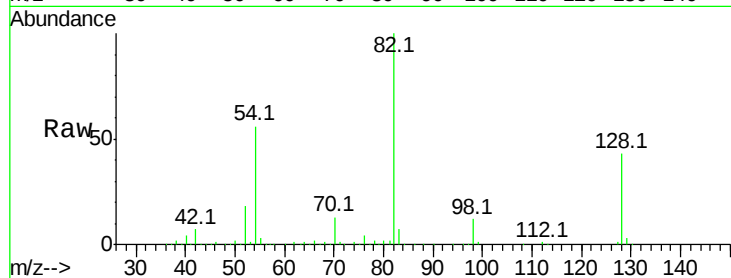
Tot Ion: 82 Resp: 652801

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 7.20 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.16 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

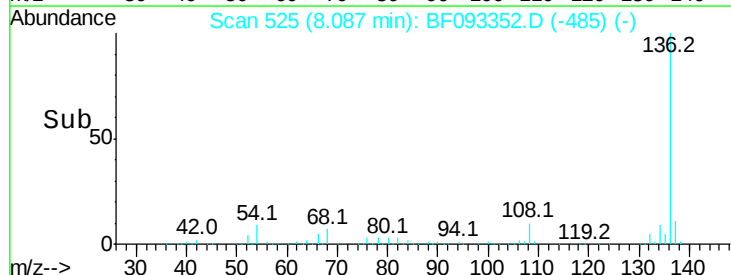
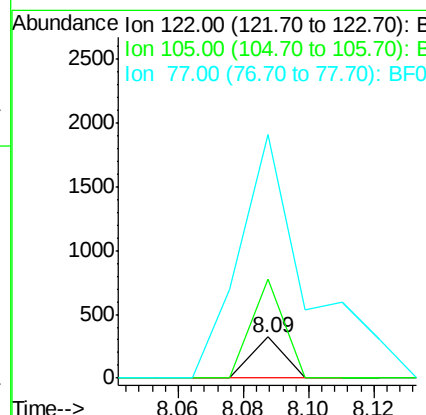
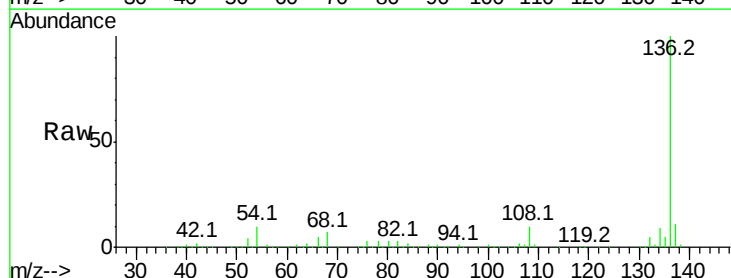
Tgt Ion:122 Resp: 220

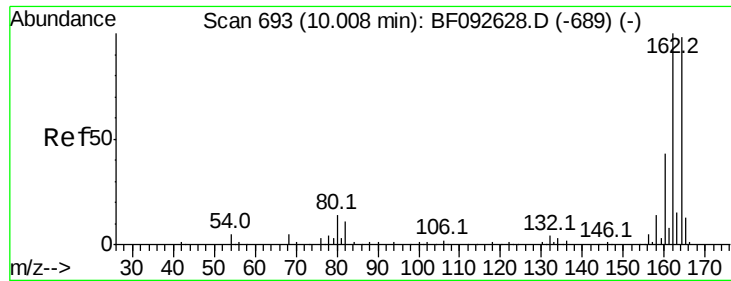
Ion Ratio Lower Upper

122 100

105 242.7 107.2 147.2#

77 595.3 74.5 114.5#

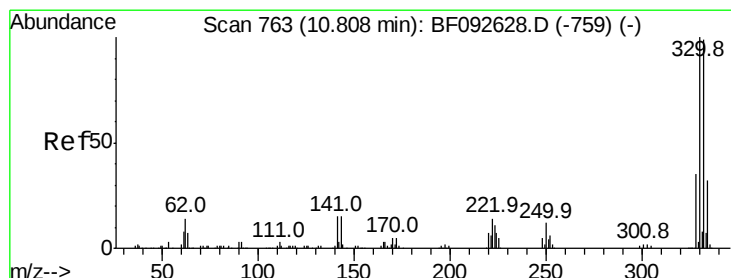
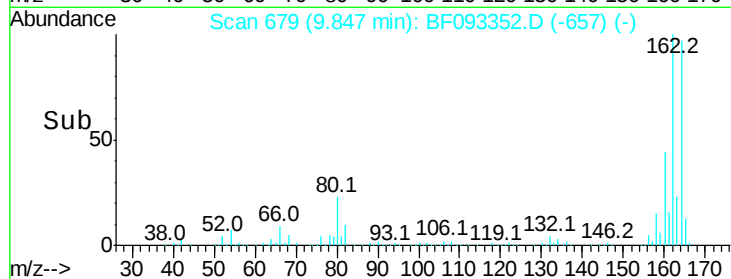
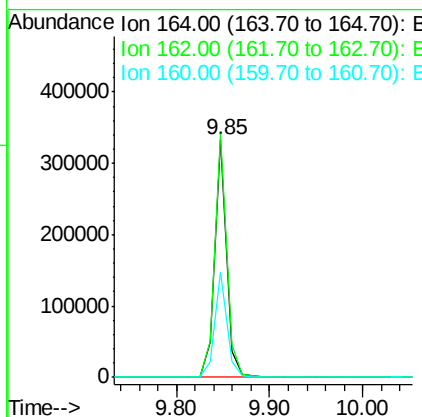
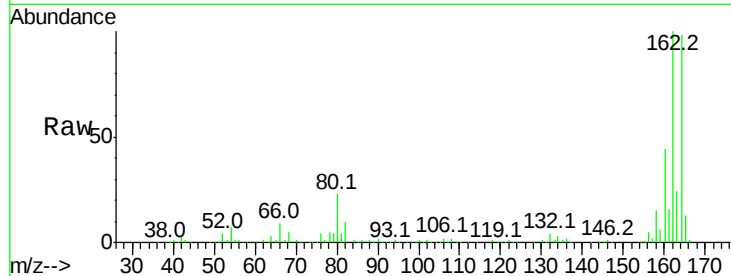




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

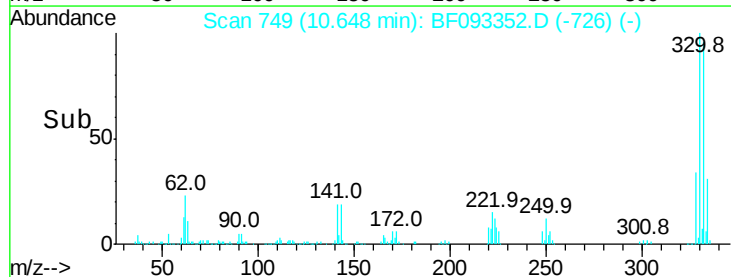
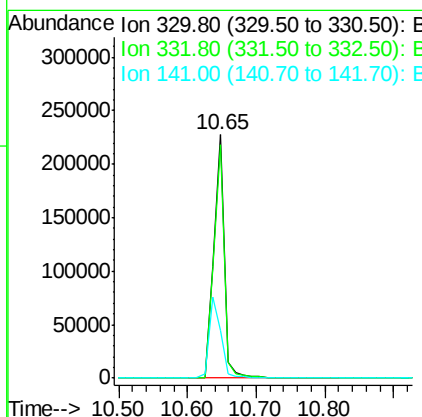
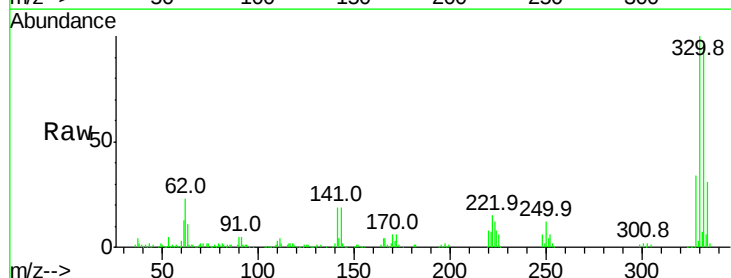
Instrument :
BNA_F
ClientSampled :
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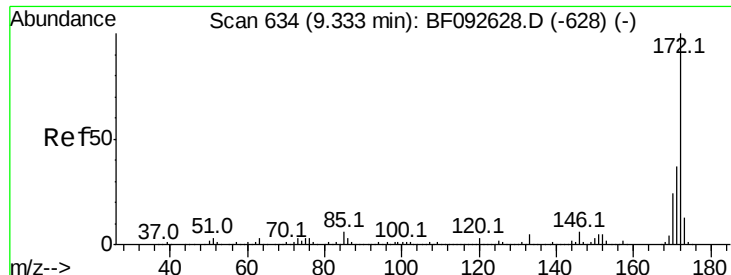
Tot Ion:164 Resp: 292831
Ion Ratio Lower Upper
164 100
162 102.5 80.2 120.2
160 44.6 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 117.59 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion:330 Resp: 249044
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.2
141 36.7 34.1 51.1

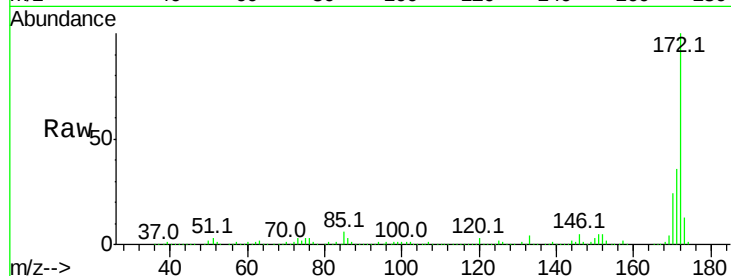




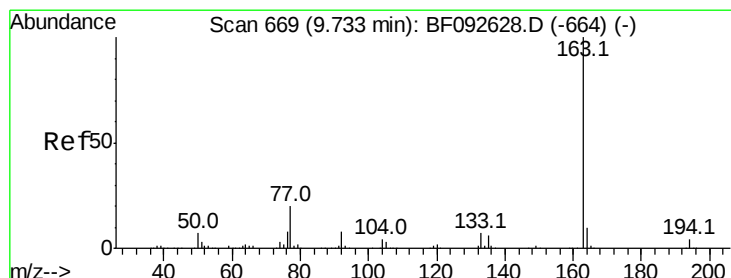
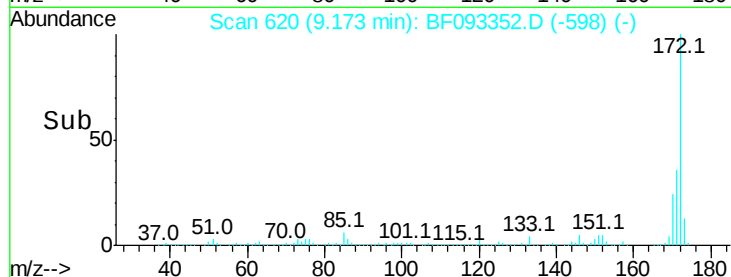
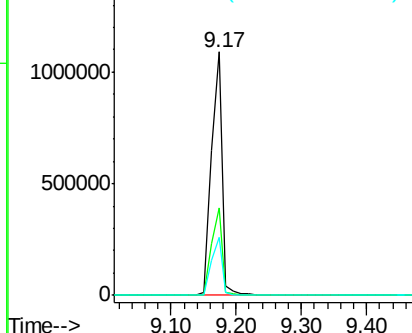
#44
2-Fluorobiphenyl
Concen: 78.42 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampleID :
9B-25

Tot Ion:172 Resp: 1267491
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.7 20.2 30.4

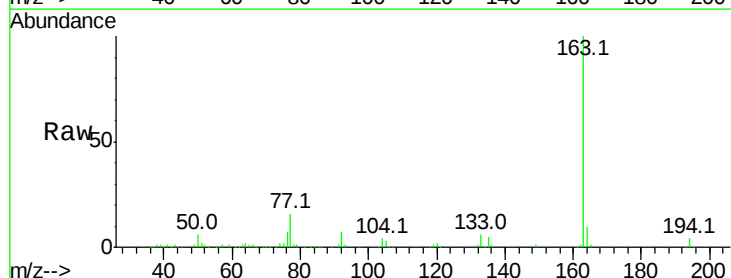


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

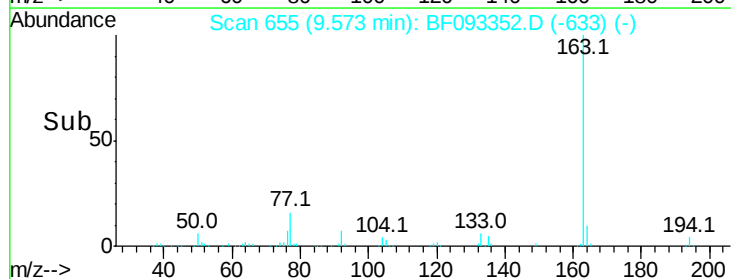
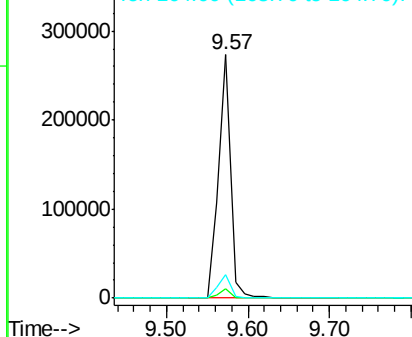


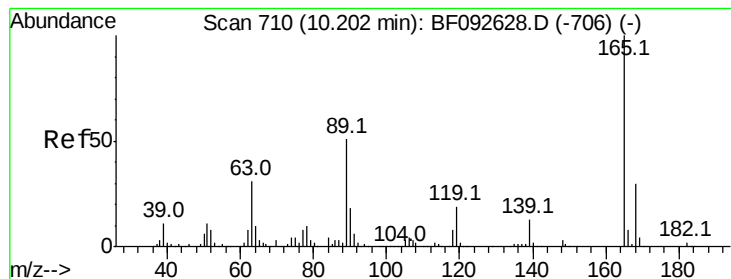
#49
Dimethylphthalate
Concen: 14.29 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion:163 Resp: 281878
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.8 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: 6.76 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.24 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

Tot Ion:165 Resp: 38321

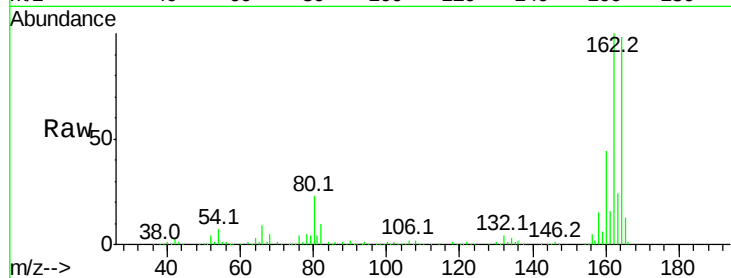
Ion Ratio Lower Upper

165 100

63 1.2 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

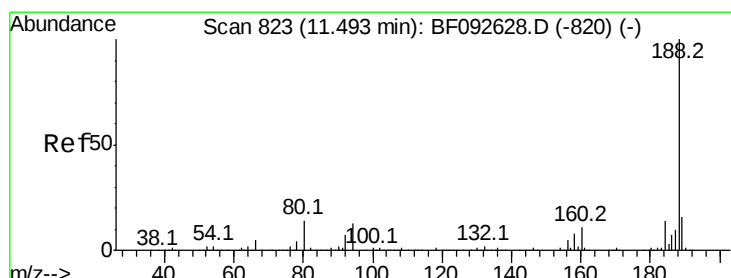
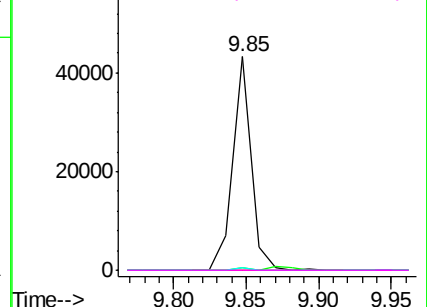
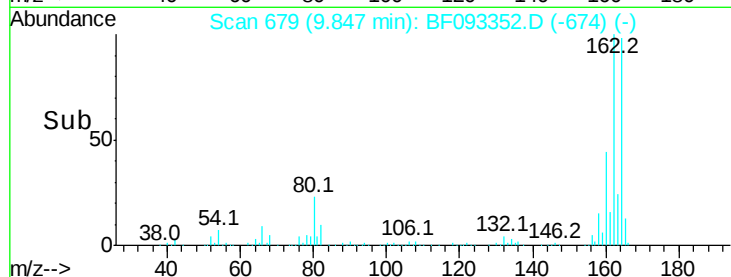


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

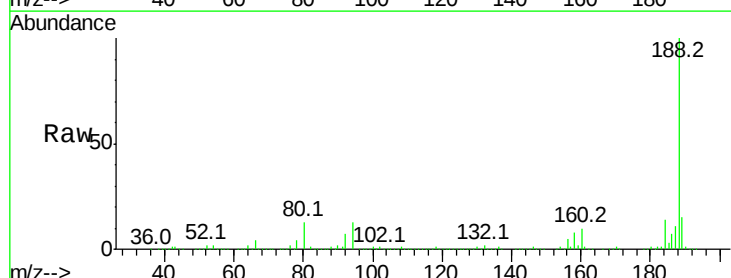
Tgt Ion:188 Resp: 536220

Ion Ratio Lower Upper

188 100

94 12.6 10.0 15.0

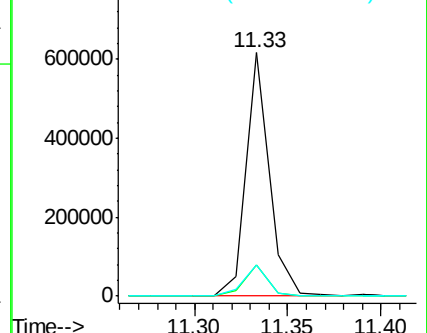
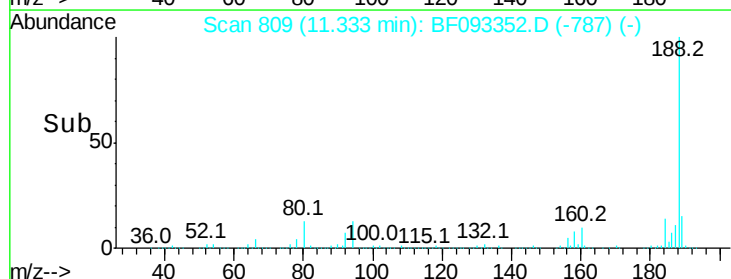
80 12.8 11.2 16.8

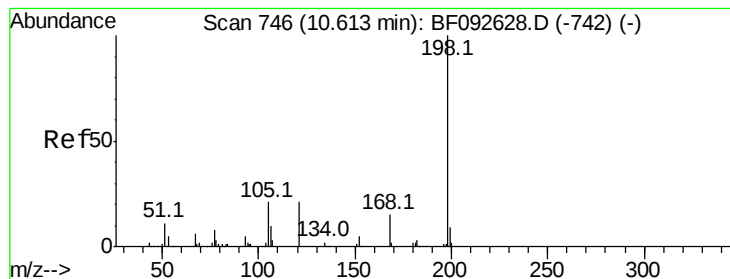


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.87 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampled :

9B-25

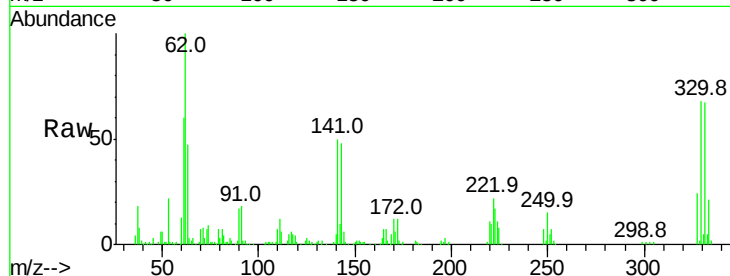
Tot Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 308.3 6.7 46.7#

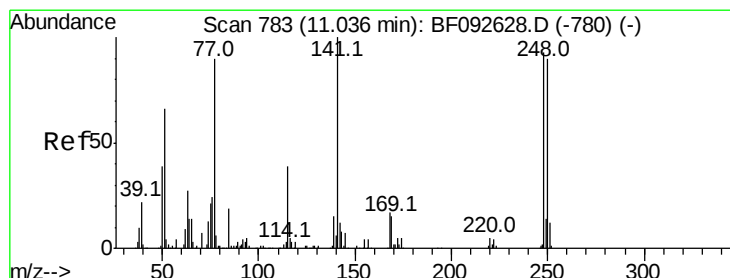
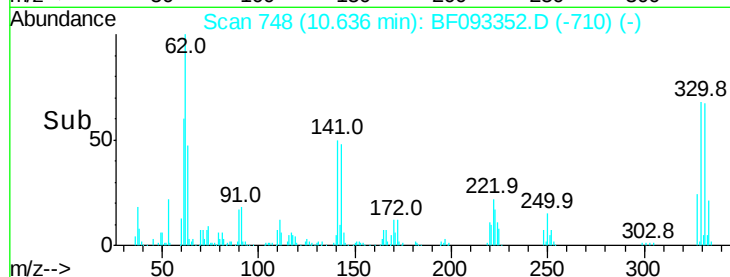
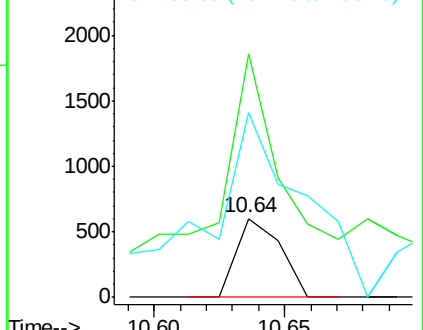
105 233.2 16.6 56.6#



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: 3.22 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.27 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

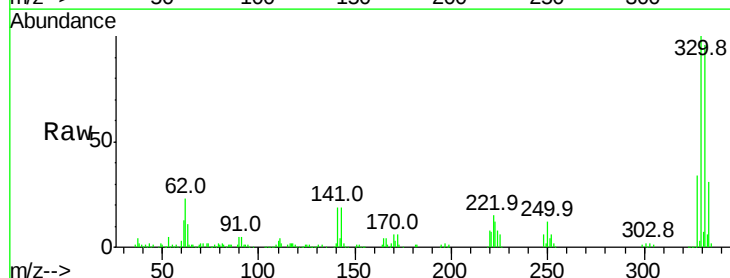
Tgt Ion:248 Resp: 18060

Ion Ratio Lower Upper

248 100

250 201.9 76.9 115.3#

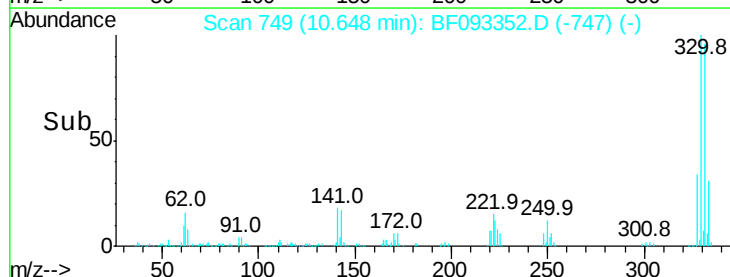
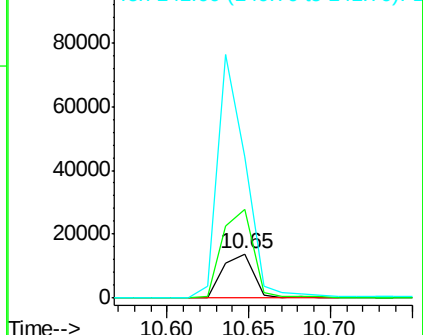
141 321.3 68.2 102.4#

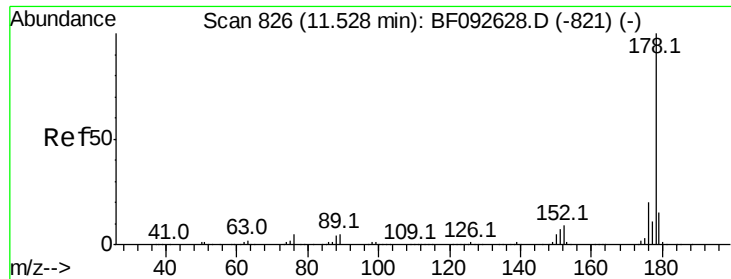


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

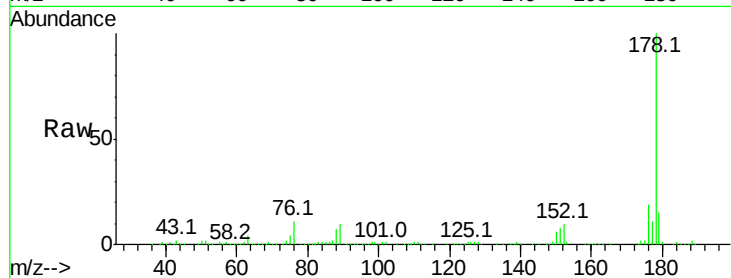




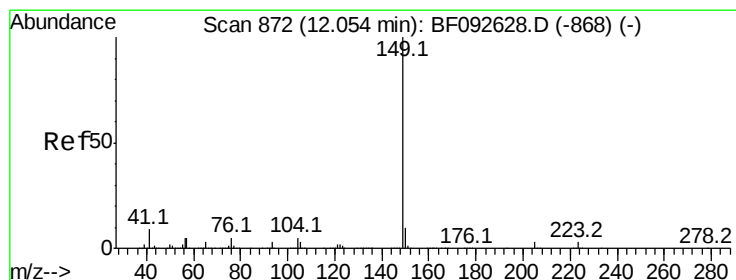
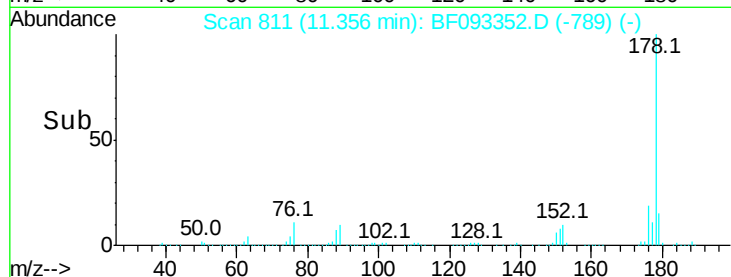
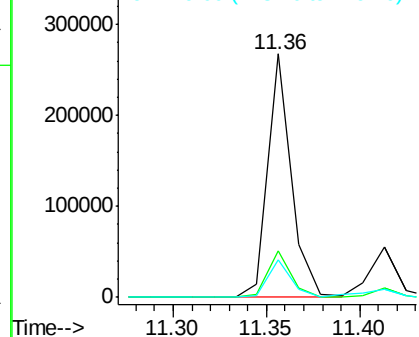
#70
 Phenanthrene
 Concen: 7.75 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.05 min
 Lab File: BF093352.D
 Acq: 3 Mar 2017 10:11

Instrument :
 BNA_F
 ClientSampleId :
 9B-25

Tot Ion:178 Resp: 238150
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.6 25.0
 179 15.4 12.8 19.2

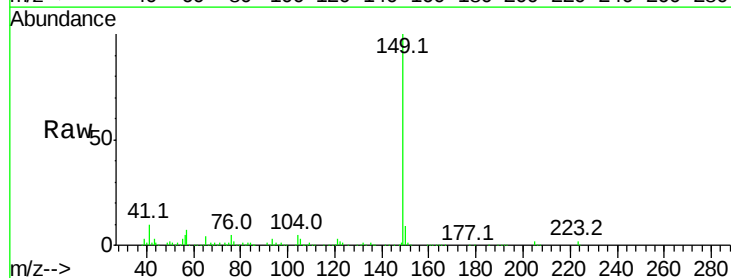


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

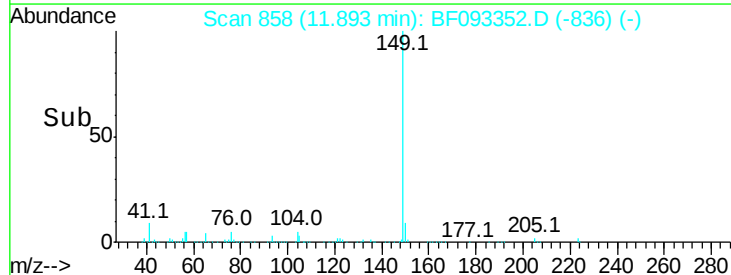
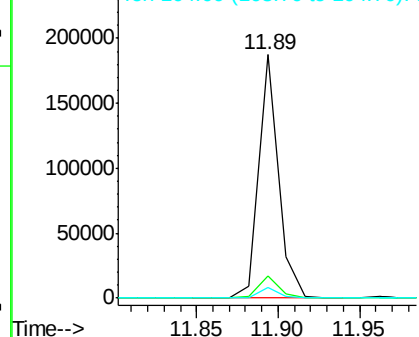


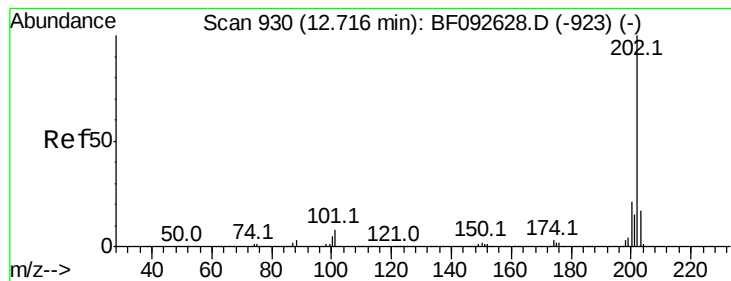
#73
 Di-n-butylphthalate
 Concen: 4.93 ng
 RT: 11.89 min Scan# 858
 Delta R.T. -0.05 min
 Lab File: BF093352.D
 Acq: 3 Mar 2017 10:11

Tgt Ion:149 Resp: 157112
 Ion Ratio Lower Upper
 149 100
 150 9.2 8.1 12.1
 104 4.6 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 12.86 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

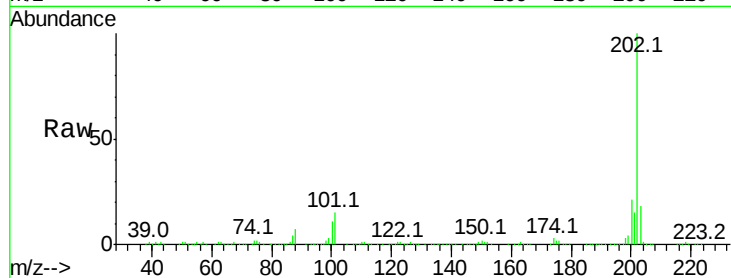
Tot Ion:202 Resp: 407652

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.6

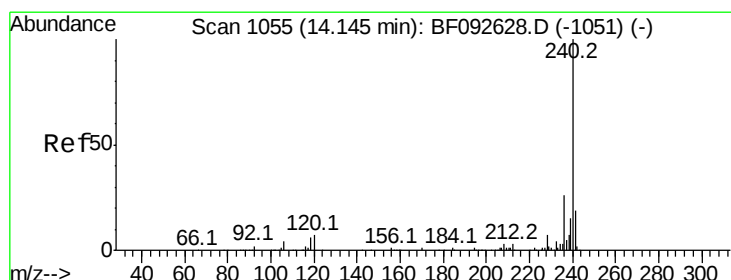
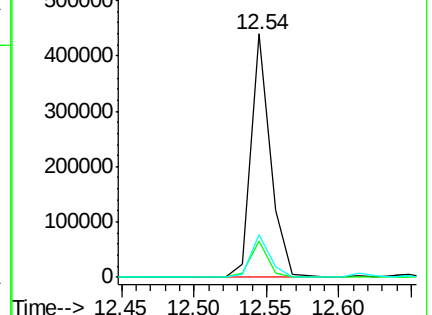
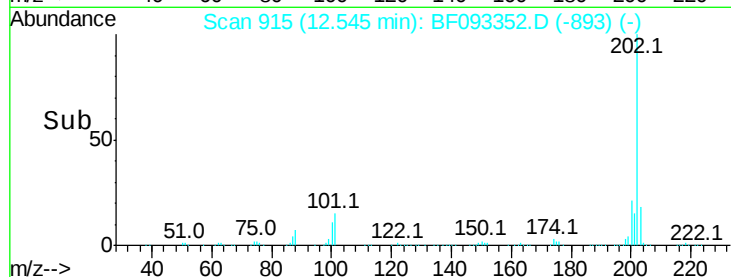
203 17.8 0.0 38.7



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: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

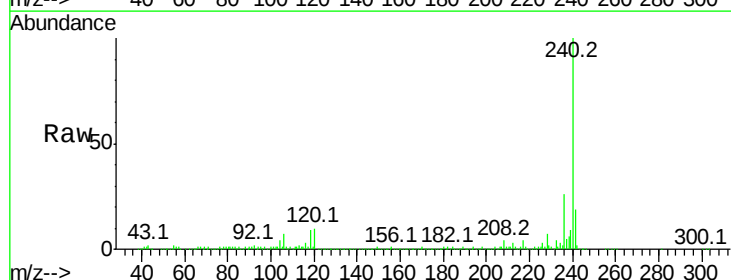
Tgt Ion:240 Resp: 391362

Ion Ratio Lower Upper

240 100

120 10.5 12.9 19.3#

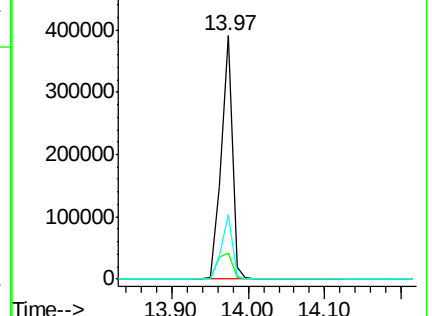
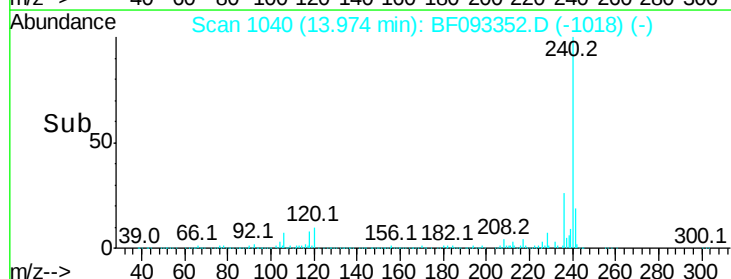
236 26.3 20.9 31.3

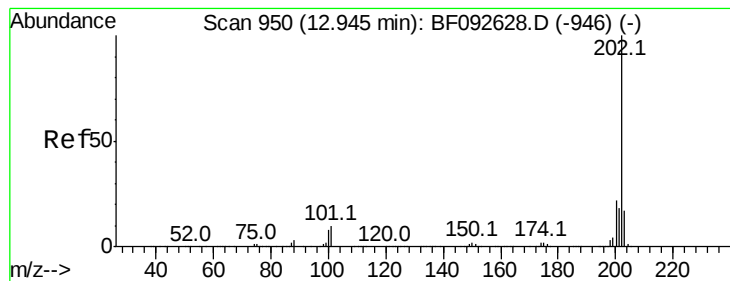


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.14 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampled :

9B-25

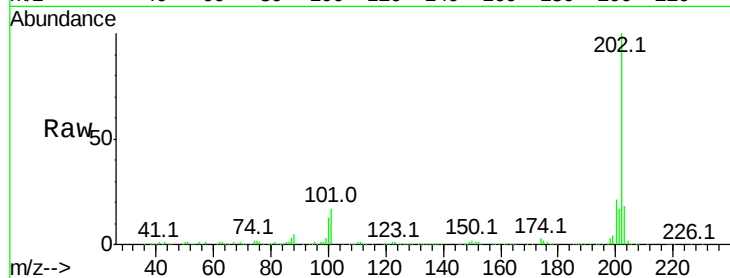
Tot Ion:202 Resp: 355566

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

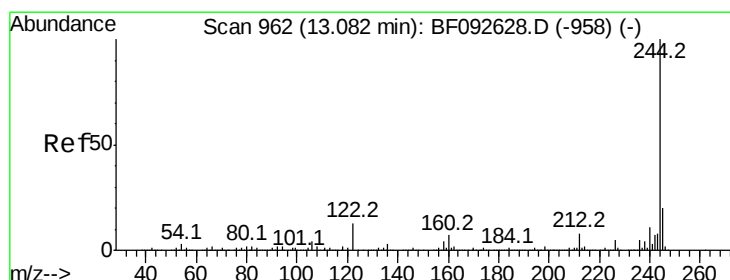
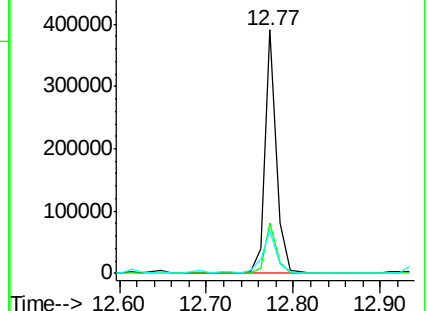
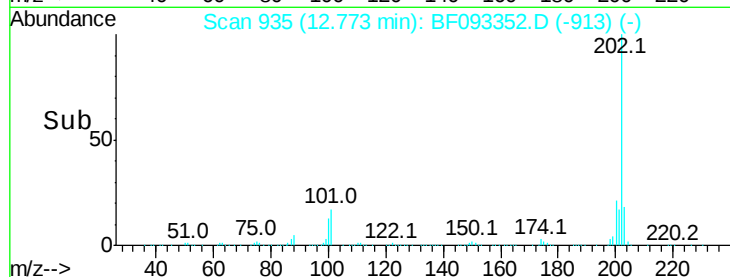
203 17.5 14.7 22.1



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: 62.48 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

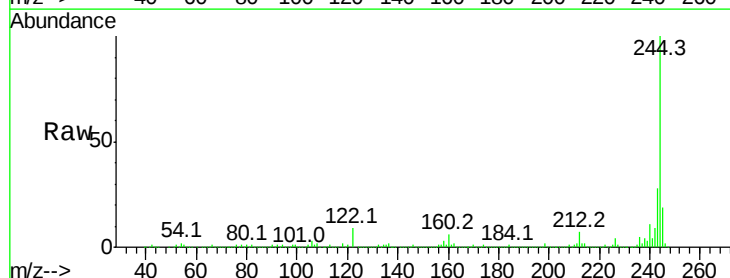
Tgt Ion:244 Resp: 1040631

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

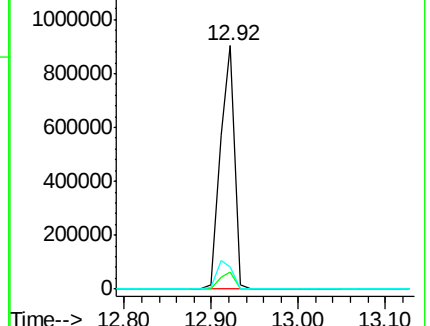
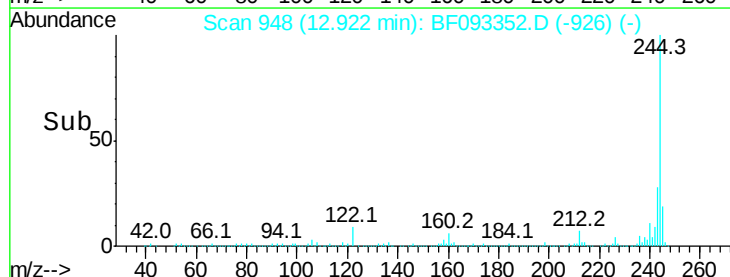
122 9.4 11.4 17.2#

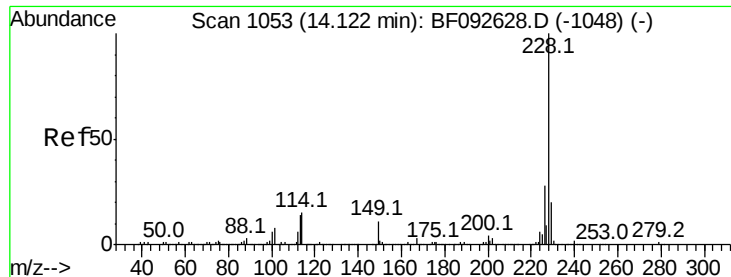


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.40 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

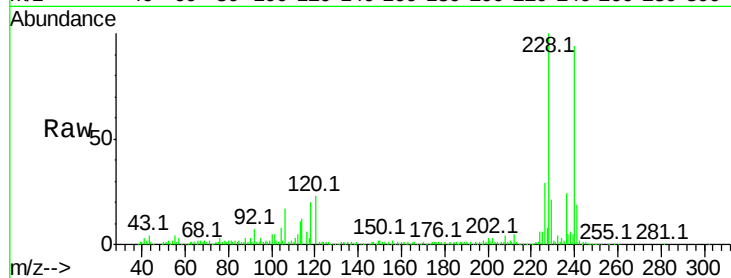
Tot Ion:228 Resp: 200988

Ion Ratio Lower Upper

228 100

226 29.1 22.4 33.6

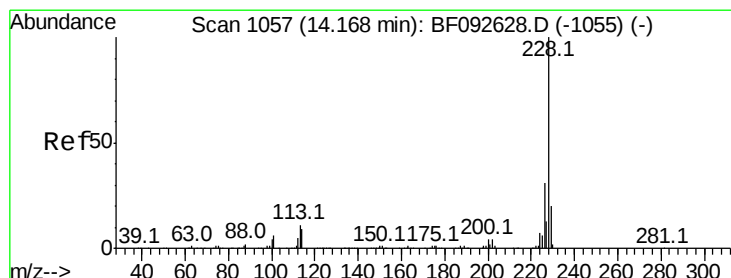
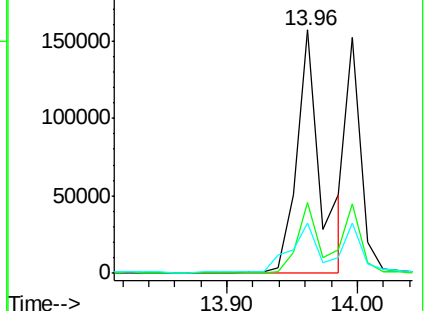
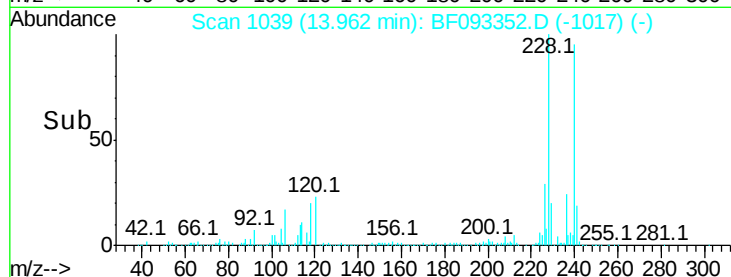
229 20.6 16.2 24.4



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: 8.97 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.08 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

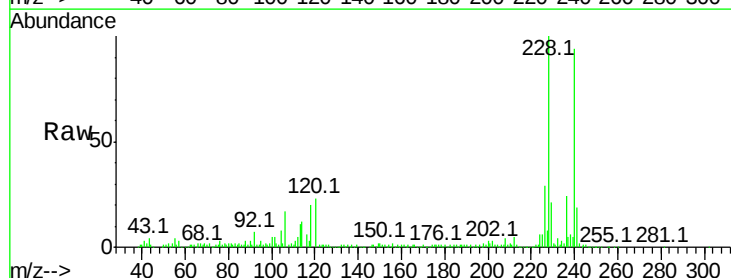
Tgt Ion:228 Resp: 200988

Ion Ratio Lower Upper

228 100

226 29.1 25.4 38.0

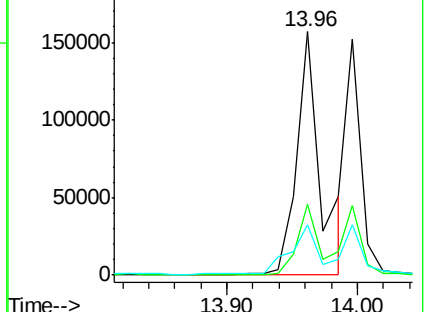
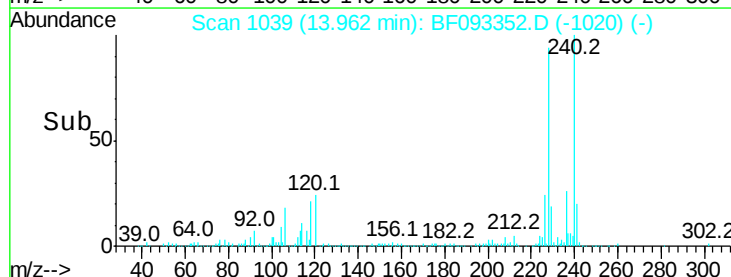
229 20.6 16.2 24.2

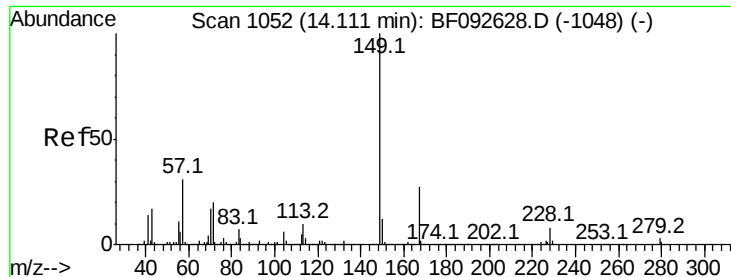


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.42 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.06 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

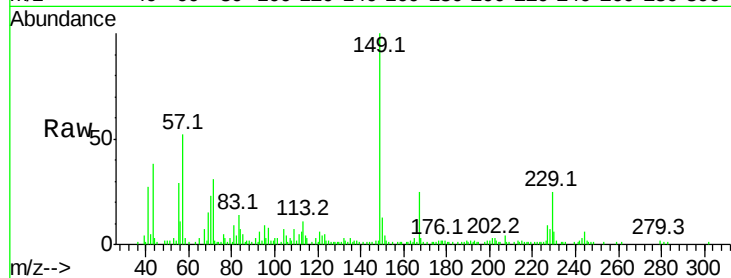
Tot Ion:149 Resp: 55682

Ion Ratio Lower Upper

149 100

167 25.5 20.2 30.4

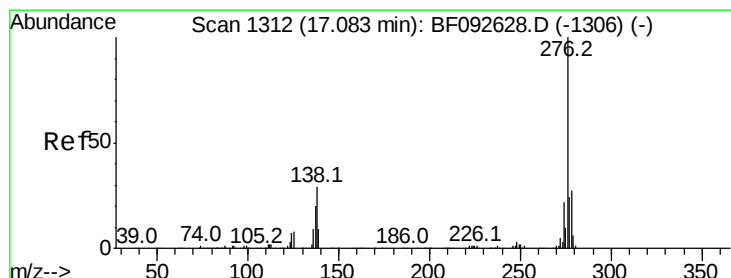
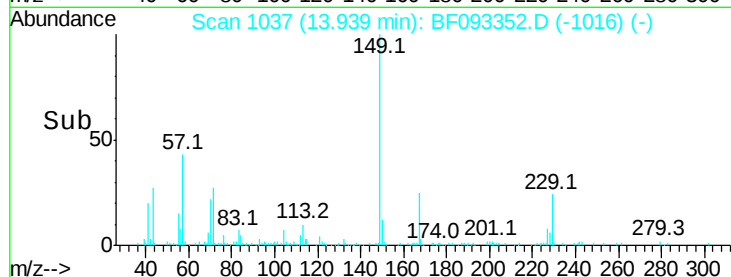
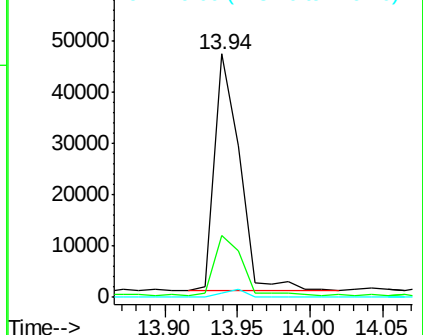
279 1.9 1.8 2.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.21 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.07 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

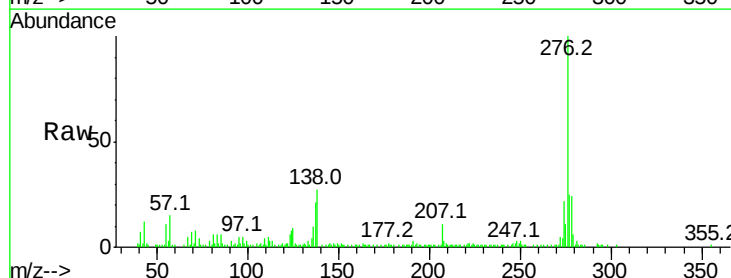
Tgt Ion:276 Resp: 107840

Ion Ratio Lower Upper

276 100

138 26.6 21.8 32.6

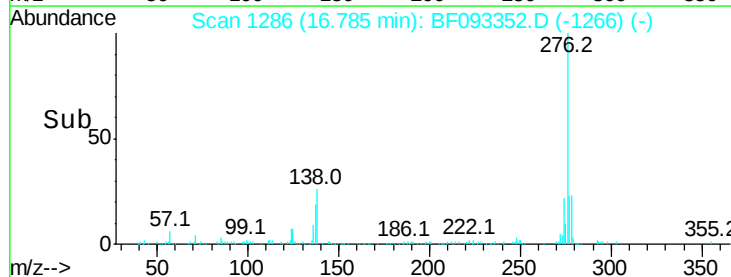
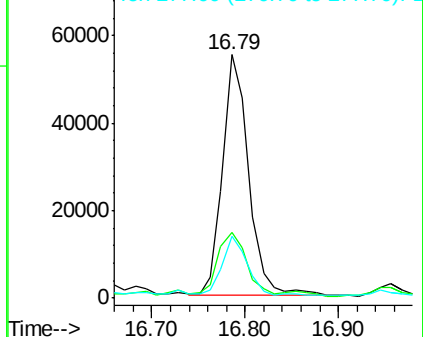
277 23.7 20.2 30.4

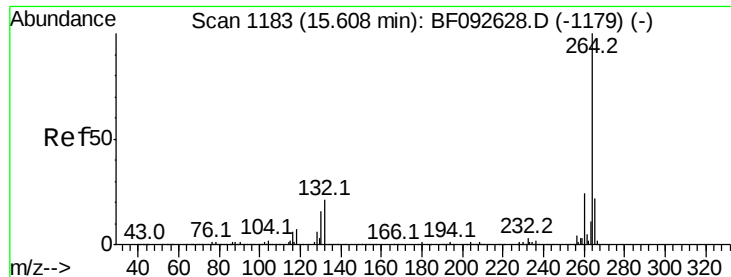


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

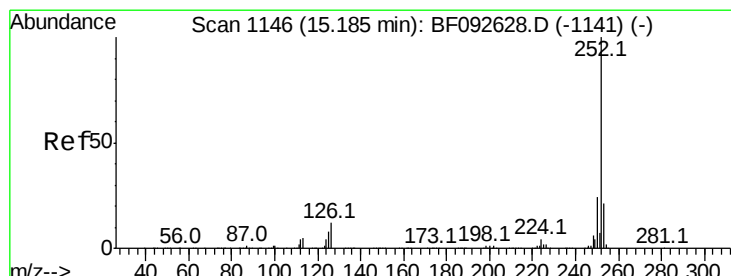
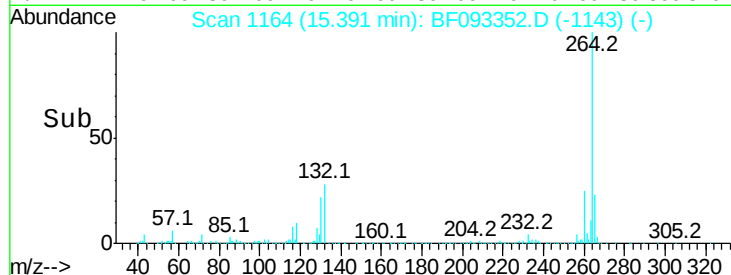
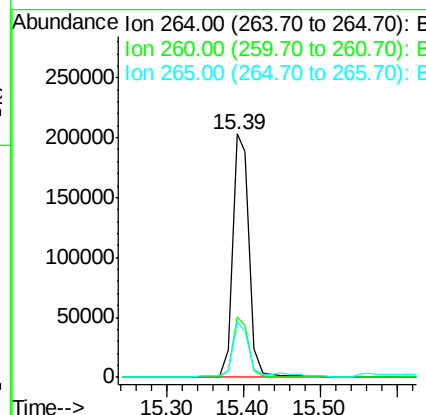
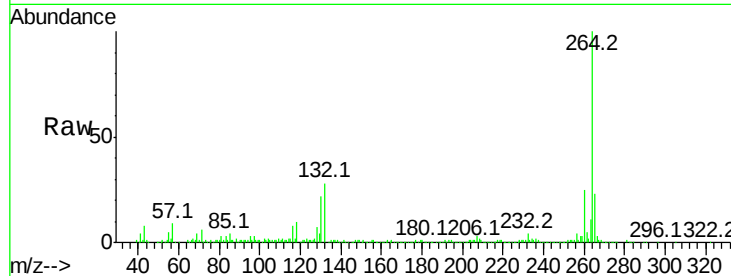




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

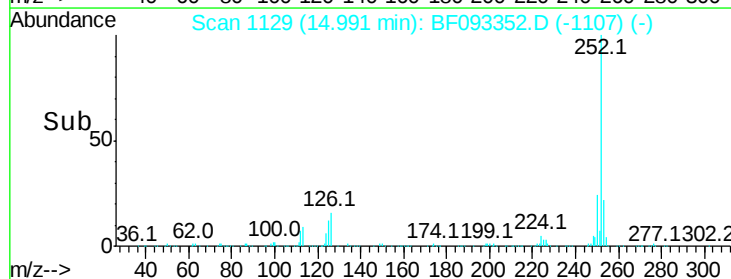
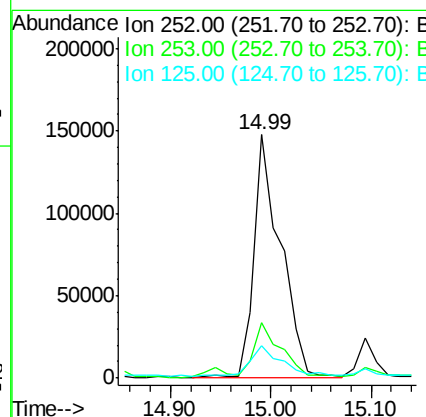
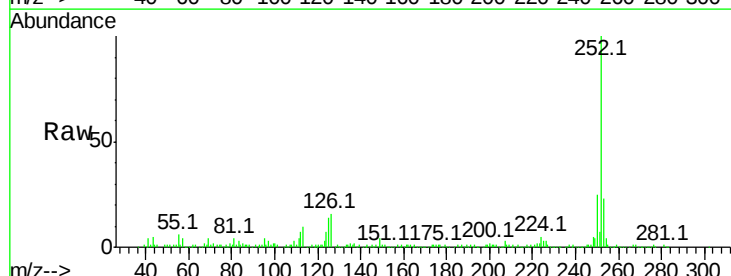
Instrument :
BNA_F
ClientSampled :
9B-25

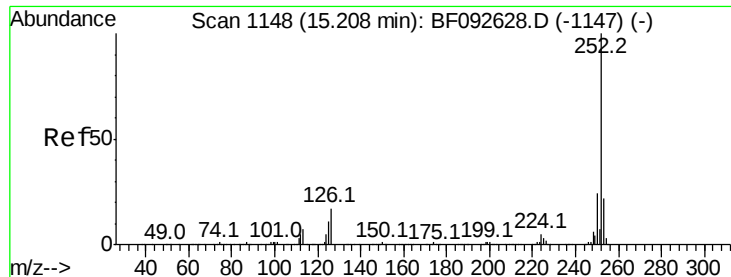
Tot Ion:264 Resp: 310932
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 22.8 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 13.15 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion:252 Resp: 269074
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 13.5 9.8 14.6

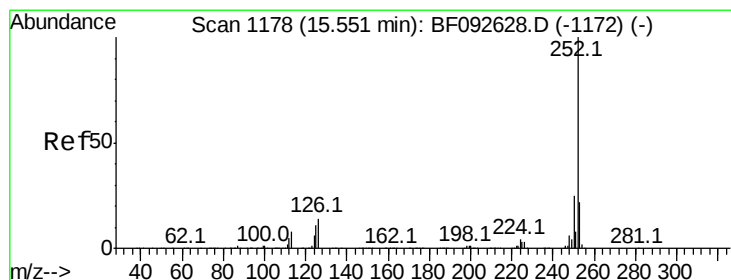
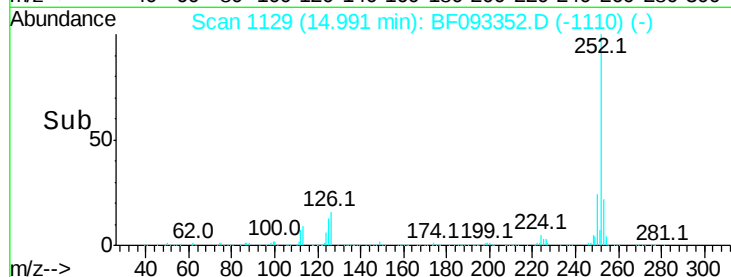
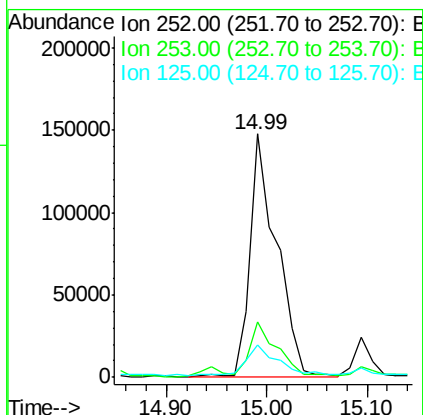
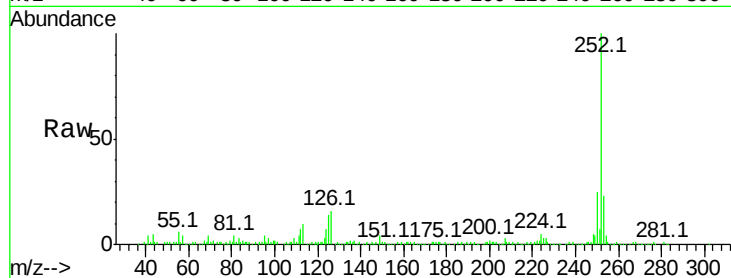




#88
Benzo(k)fluoranthene
Concen: 15.23 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.08 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

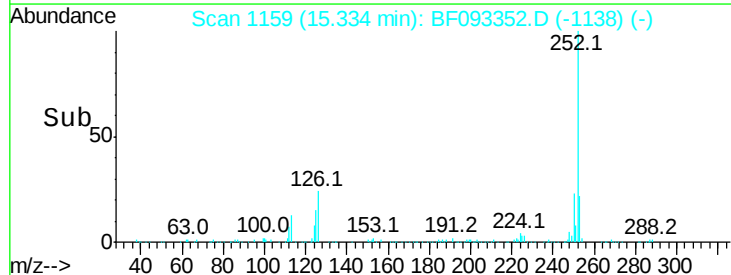
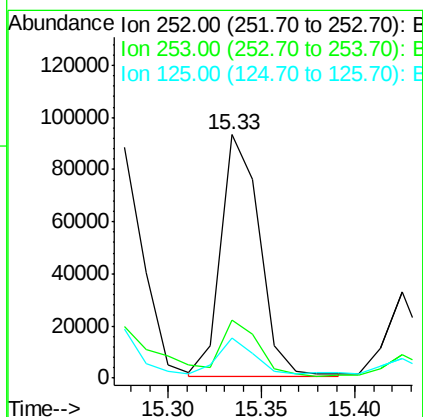
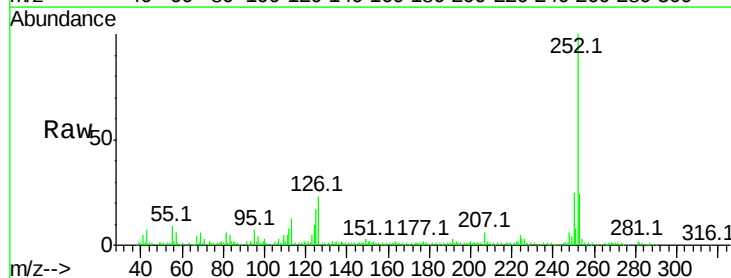
Instrument :
BNA_F
ClientSampleId :
9B-25

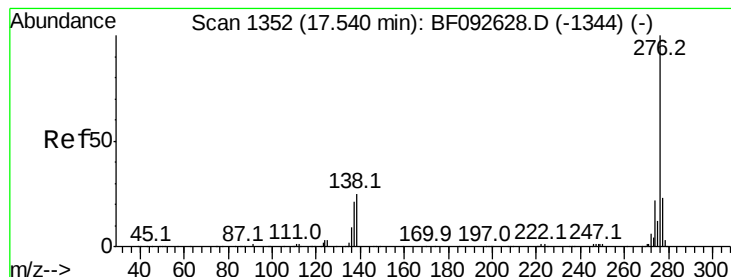
Tot Ion:252 Resp: 269074
Ion Ratio Lower Upper
252 100
253 22.7 18.5 27.7
125 13.5 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 7.53 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion:252 Resp: 133389
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 16.7 10.0 15.0#





#91

Benzo(a,h,i)perylene

Concen: 7.63 ng

RT: 17.21 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

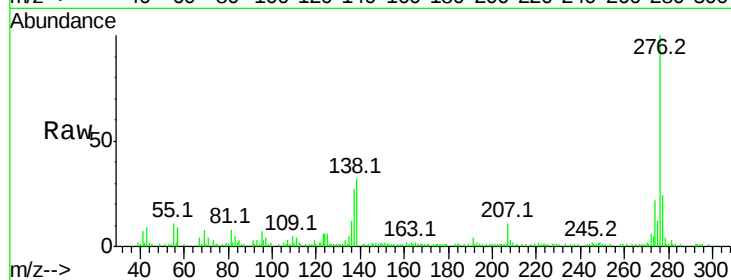
Tot Ion:276 Resp: 110317

Ion Ratio Lower Upper

276 100

277 23.9 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

