

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093113.D
 Acq On : 12 Jun 2017 22:13
 Operator : SJ/MA
 Sample : I3460-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:12:34 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 14:07:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	563	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	2911	0.40	ng	0.00
13) Acenaphthene-d10	14.37	164	1407	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2892	0.40	ng	0.00
27) Chrysene-d12	21.27	240	4880	0.40	ng	0.00
34) Perylene-d12	23.67	264	4143	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	318	0.19	ng	0.00
5) Phenol-d6	6.90	99	271	0.11	ng	0.00
8) Nitrobenzene-d5	8.88	82	811	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1476	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	156	0.49	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	3074	0.51	ng	0.00
25) Fluoranthene-d10	19.11	212	4271	0.45	ng	0.00
29) Terphenyl-d14	19.72	244	4248	0.45	ng	0.00

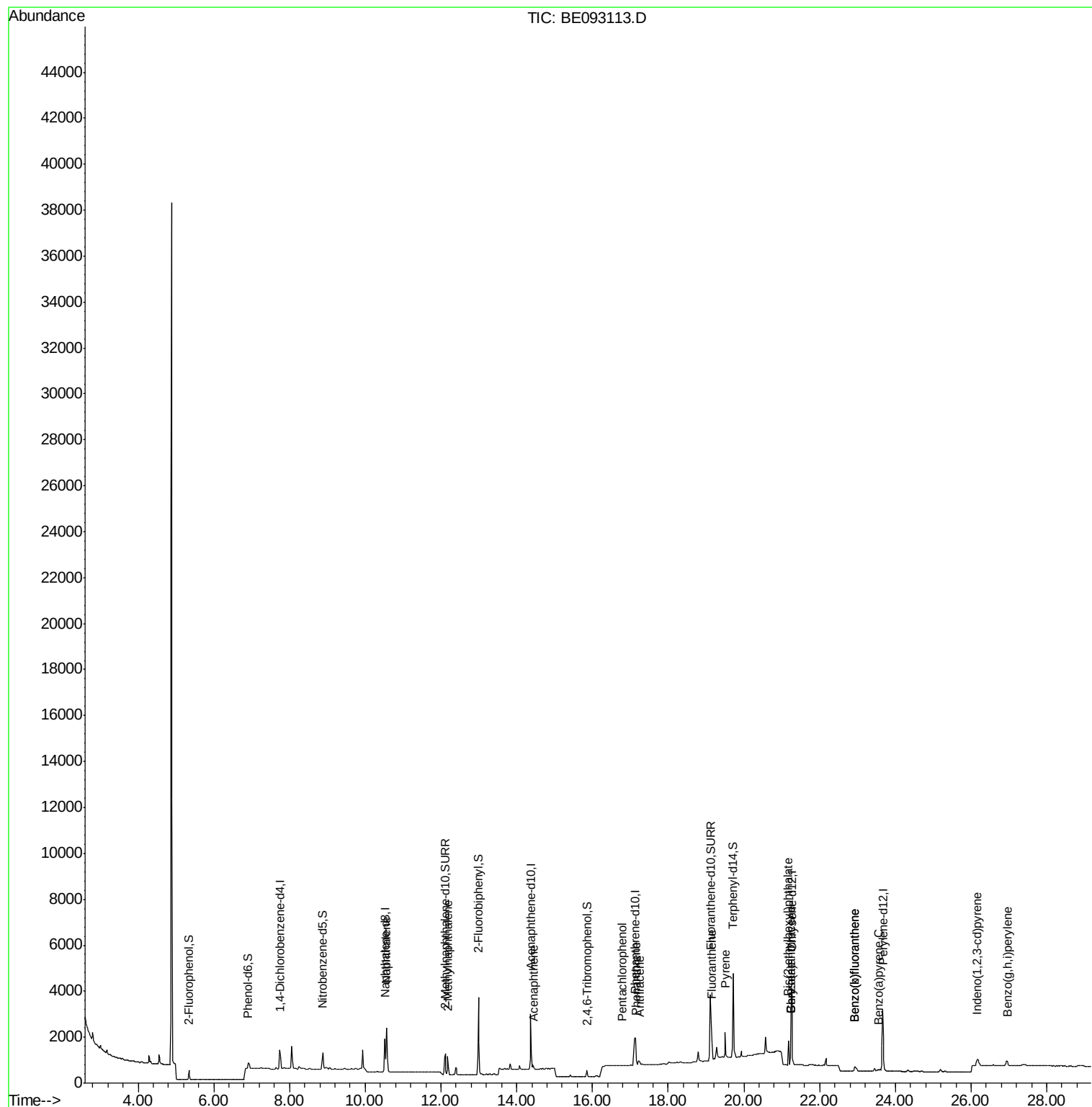
Target Compounds						Qvalue
9) Naphthalene	10.56	128	2324	0.30	ng	98
12) 2-Methylnaphthalene	12.18	142	581	0.12	ng	95
17) Acenaphthene	14.44	154	51	0.01	ng	80
22) Pentachlorophenol	16.79	266	7	0.01	ng	# 82
23) Phenanthrene	17.16	178	240	0.02	ng	# 60
24) Anthracene	17.25	178	217	0.02	ng	# 61
26) Fluoranthene	19.16	202	1181	0.02	ng	# 91
28) Pyrene	19.51	202	1404	0.02	ng	# 85
30) Benzo(a)anthracene	21.23	228	235	0.02	ng	# 35
31) Chrysene	21.23	228	235	0.02	ng	# 38
32) Bis(2-ethylhexyl)phthalate	21.18	149	1018	0.17	ng	95
33) Indeno(1,2,3-cd)pyrene	26.17	276	595	0.01	ng	# 85
35) Benzo(b)fluoranthene	22.93	252	473	0.04	ng	# 16
36) Benzo(k)fluoranthene	22.93	252	475	0.04	ng	# 20
37) Benzo(a)pyrene	23.55	252	149	0.01	ng	# 1
39) Benzo(g,h,i)perylene	26.95	276	552	0.01	ng	# 14

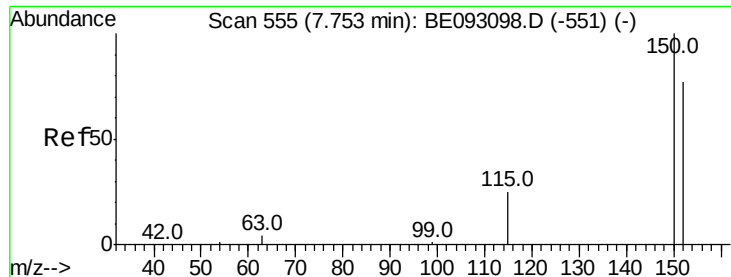
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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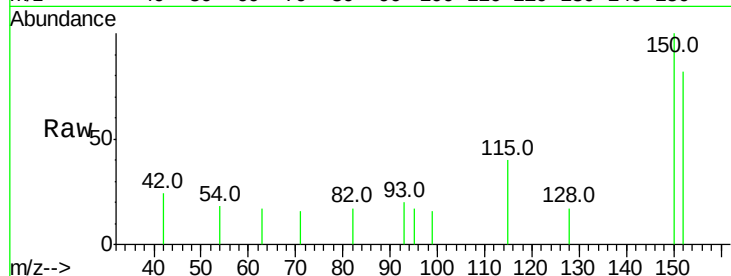


#1

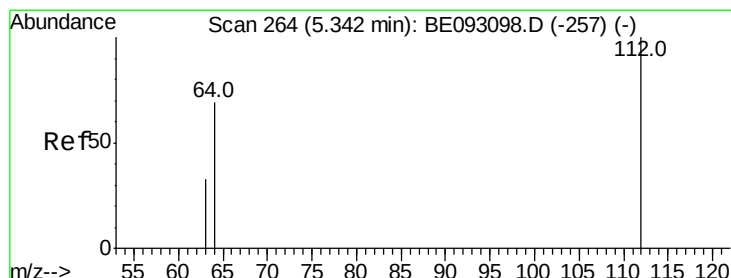
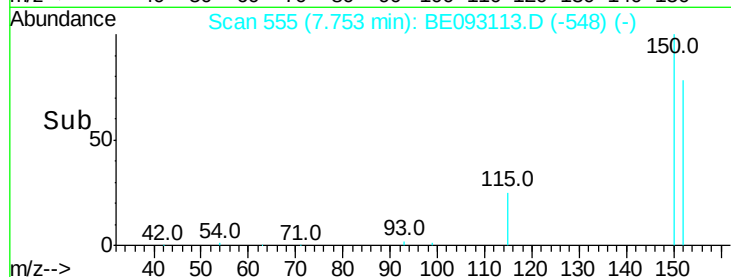
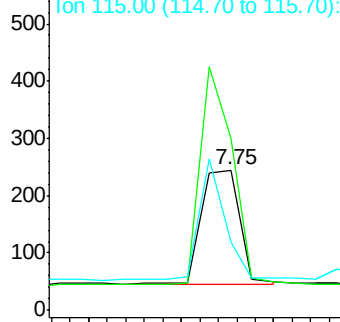
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 563
Ion Ratio Lower Upper
152 100
150 122.4 125.1 187.7#
115 48.6 55.7 83.5#



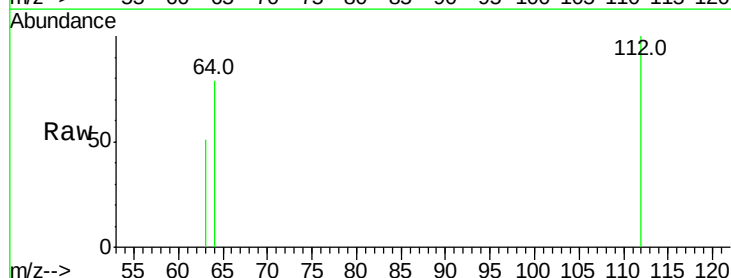
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



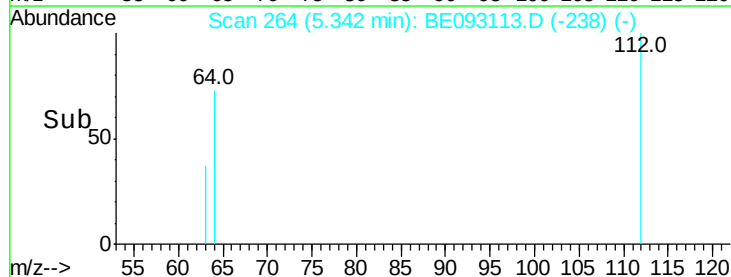
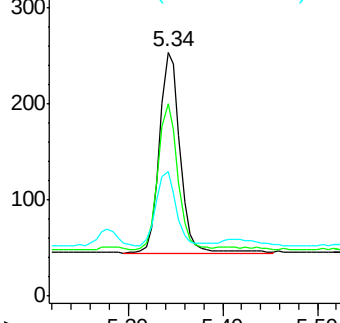
#4

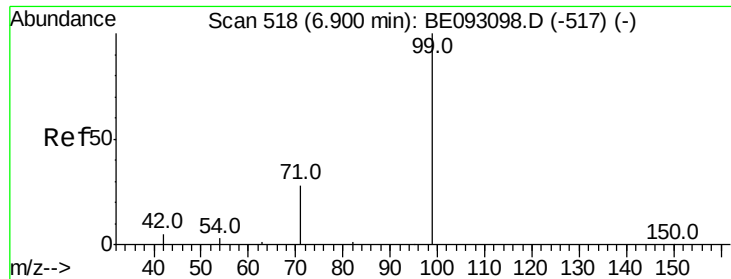
2-Fluorophenol
Concen: 0.19 ng
RT: 5.34 min Scan# 264
Delta R.T. 0.00 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

Tgt Ion:112 Resp: 318
Ion Ratio Lower Upper
112 100
64 68.9 56.4 84.6
63 35.5 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.11 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampleId :

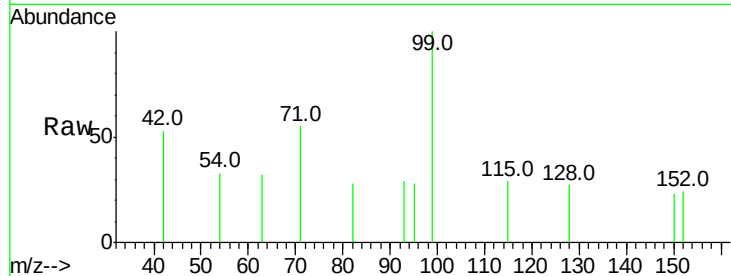
Tot Ion: 99 Resp: 271

Ion Ratio Lower Upper

99 100

42 25.8 0.0 0.0#

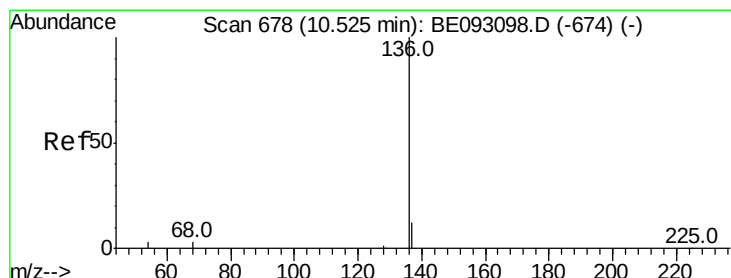
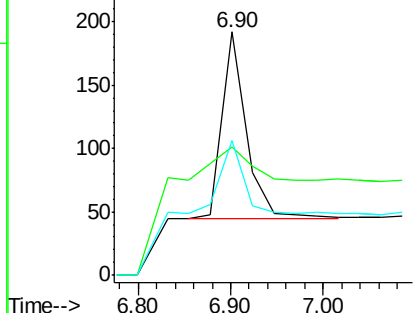
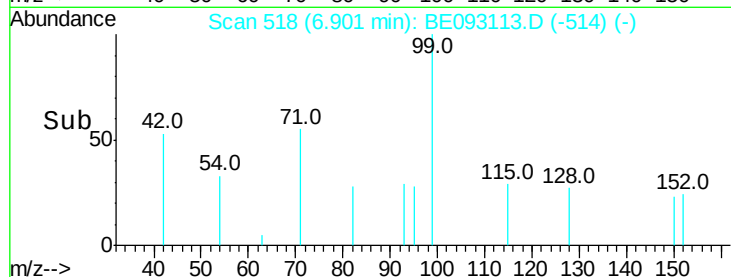
71 36.9 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Tgt Ion: 136 Resp: 2911

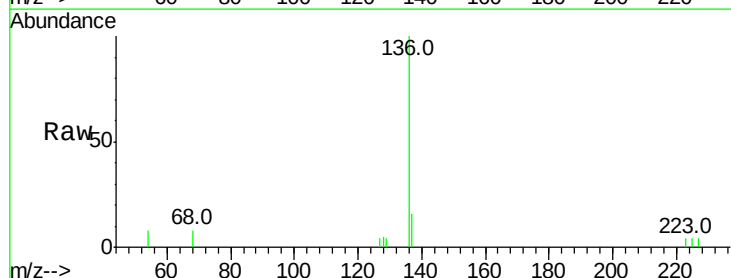
Ion Ratio Lower Upper

136 100

137 15.6 9.8 14.8#

54 8.2 10.3 15.5#

68 8.3 9.0 13.4#

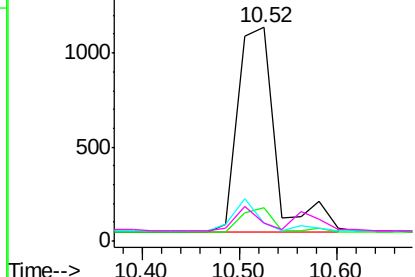
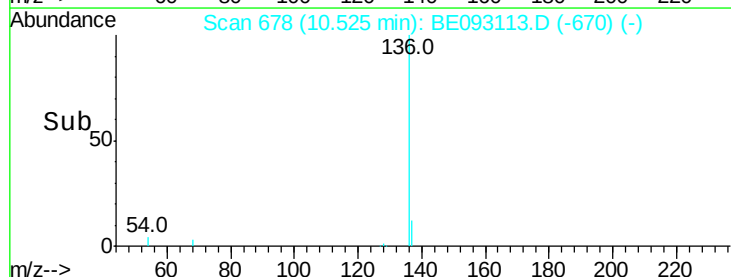


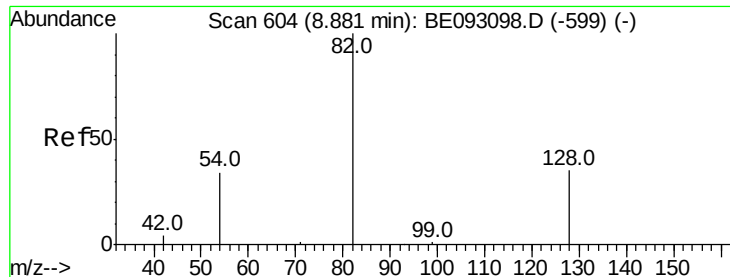
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.35 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampleId :

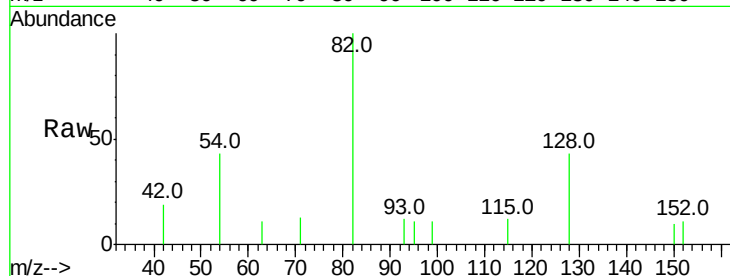
Tot Ion: 82 Resp: 811

Ion Ratio Lower Upper

82 100

128 43.3 17.0 25.4#

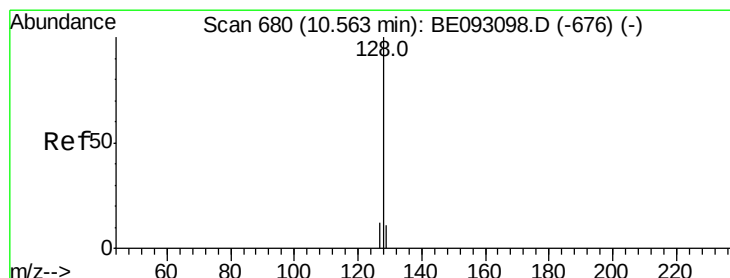
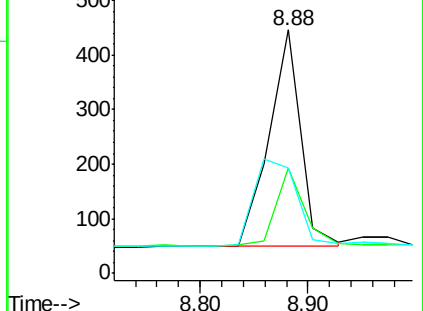
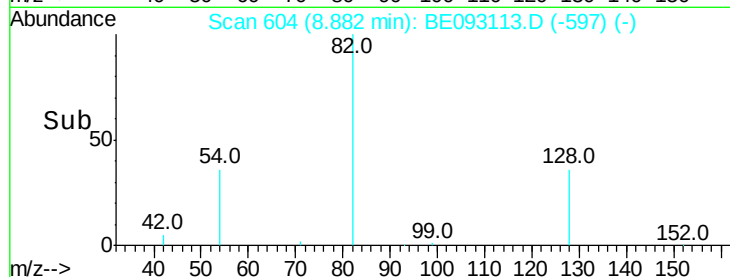
54 43.0 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE093113.D (-597) (-)

Ion 128.00 (127.70 to 128.70): BE093113.D (-597) (-)

Ion 54.00 (53.70 to 54.70): BE093113.D (-597) (-)



#9

Naphthalene

Concen: 0.30 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

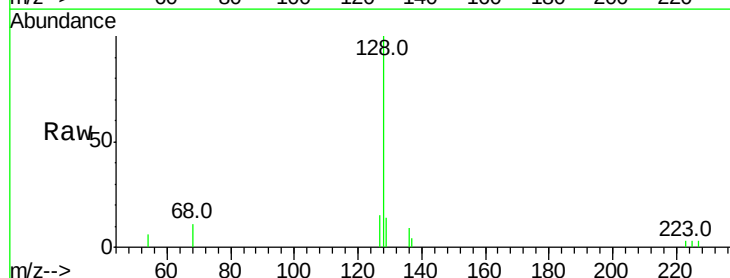
Tgt Ion: 128 Resp: 2324

Ion Ratio Lower Upper

128 100

129 14.2 11.4 17.0

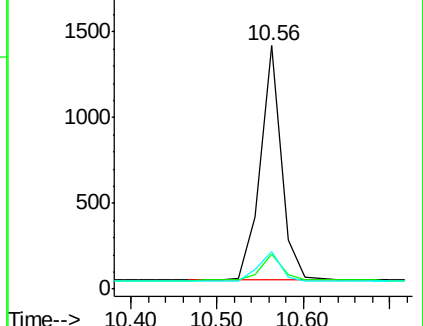
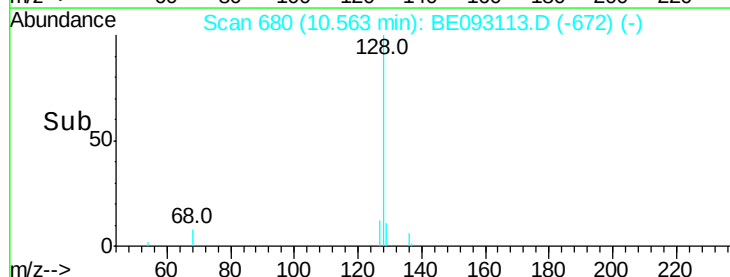
127 15.3 11.2 16.8

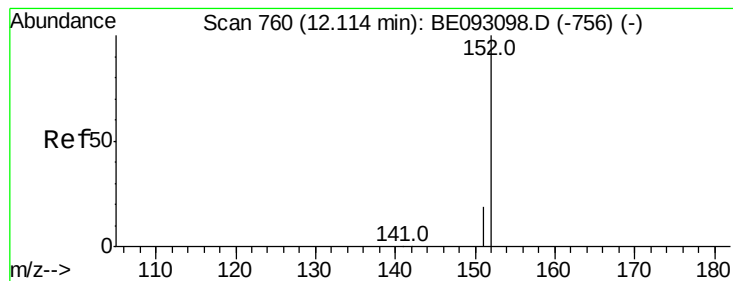


Abundance Ion 128.00 (127.70 to 128.70): BE093113.D (-672) (-)

Ion 129.00 (128.70 to 129.70): BE093113.D (-672) (-)

Ion 127.00 (126.70 to 127.70): BE093113.D (-672) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.34 ng

RT: 12.11 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

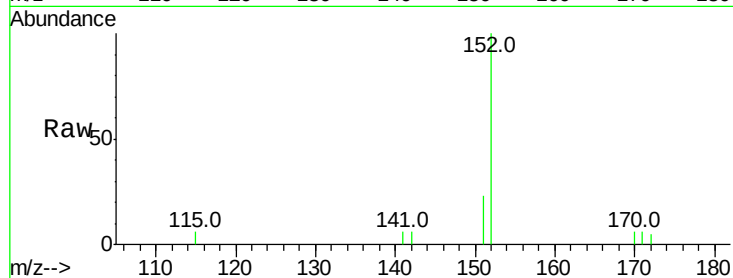
ClientSampleId :

Tot Ion:152 Resp: 1476

Ion Ratio Lower Upper

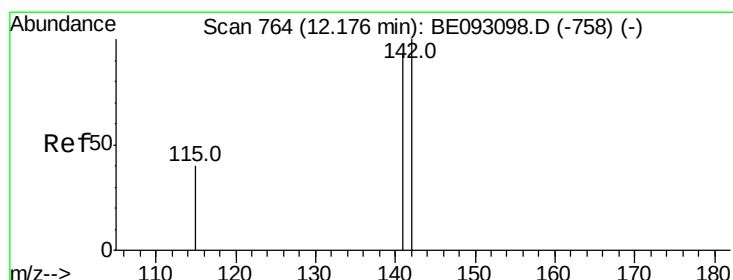
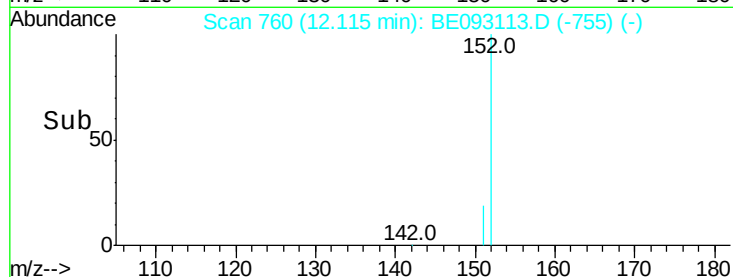
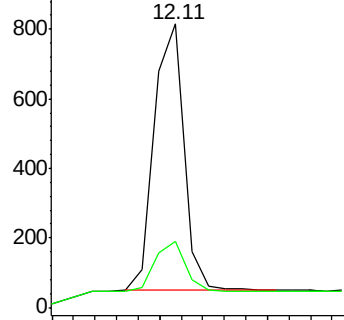
152 100

151 19.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.12 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

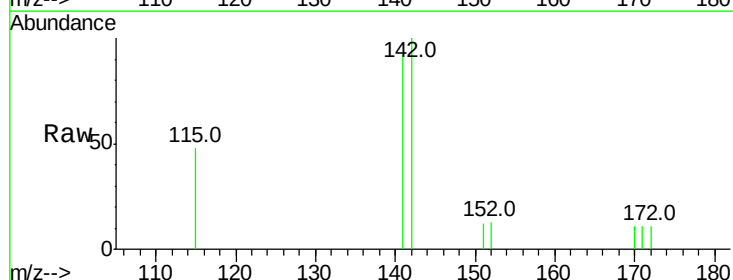
Tgt Ion:142 Resp: 581

Ion Ratio Lower Upper

142 100

141 92.3 72.6 108.8

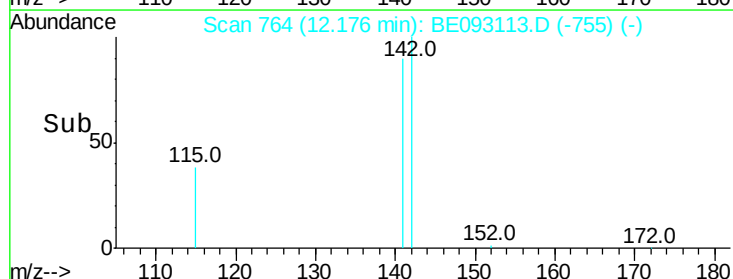
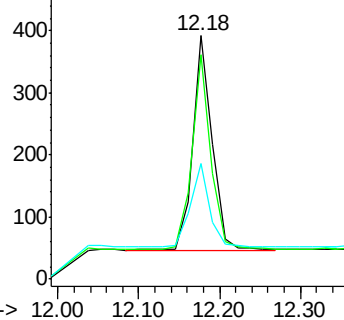
115 47.7 32.2 48.2

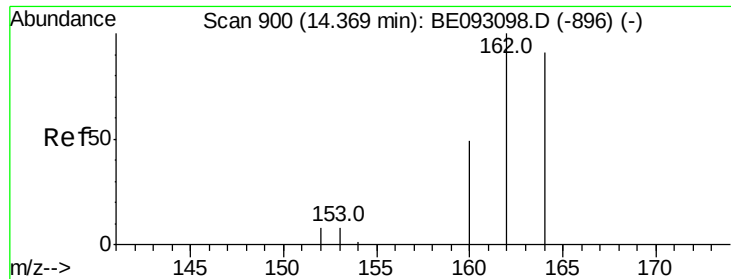


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampleId :

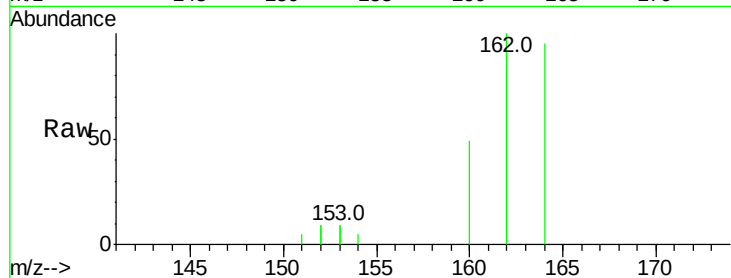
Tot Ion:164 Resp: 1407

Ion Ratio Lower Upper

164 100

162 105.4 84.6 127.0

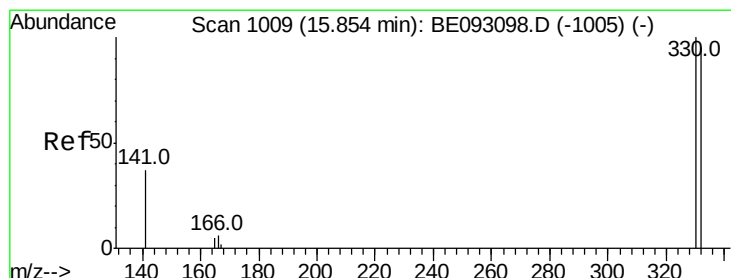
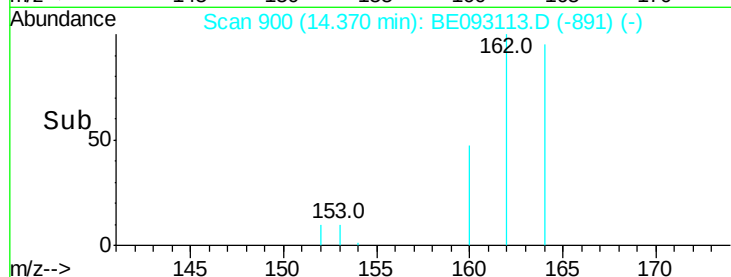
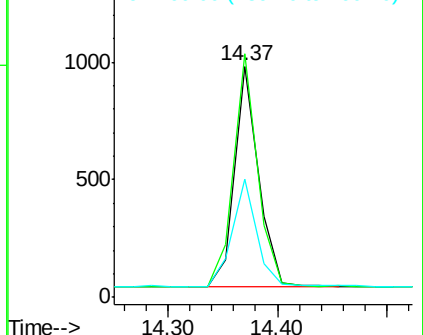
160 51.4 41.8 62.6



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



#14

2,4,6-Tribromophenol

Concen: 0.49 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

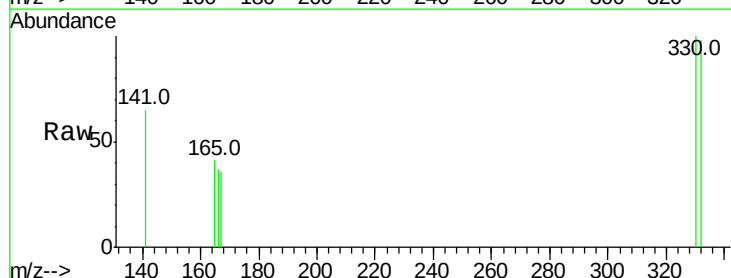
Tgt Ion:330 Resp: 156

Ion Ratio Lower Upper

330 100

332 95.5 77.7 116.5

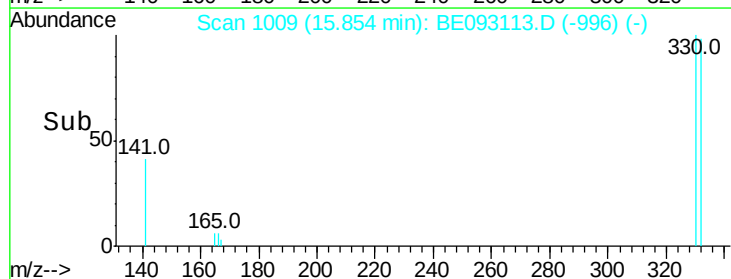
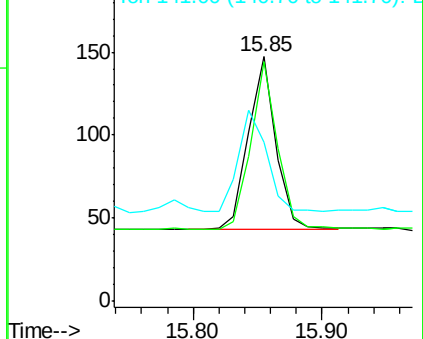
141 60.9 56.2 84.4

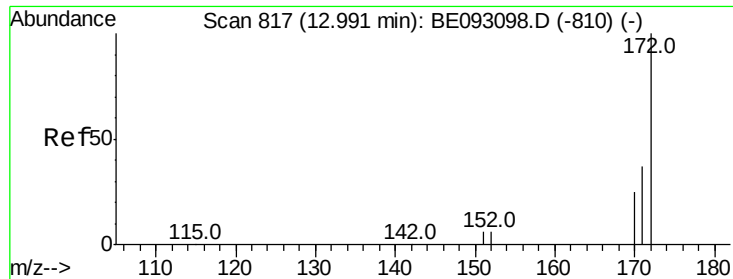


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

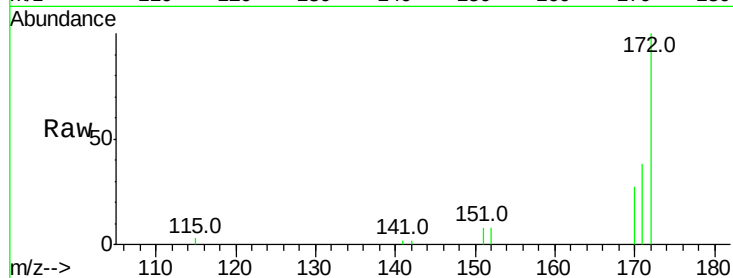




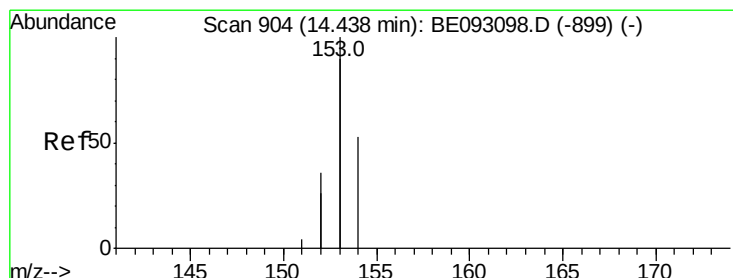
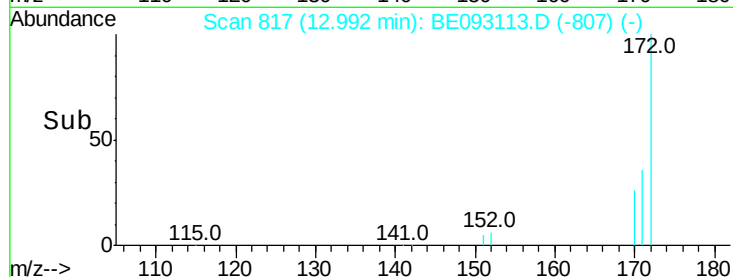
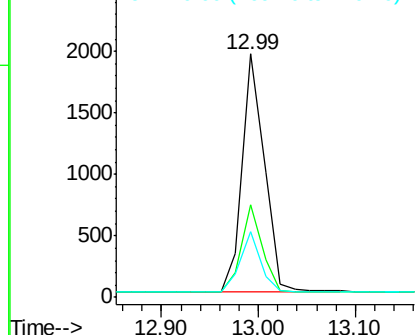
#15
2-Fluorobiphenyl
Concen: 0.51 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3074
Ion Ratio Lower Upper
172 100
171 37.8 29.8 44.6
170 27.2 20.7 31.1

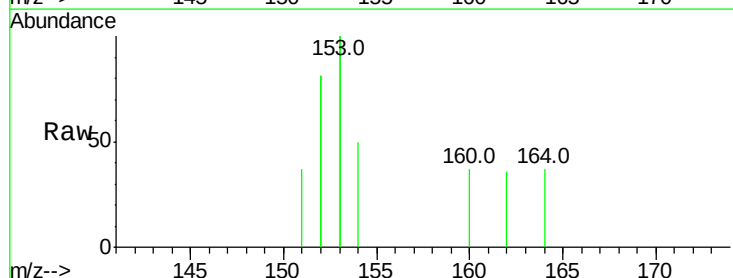


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

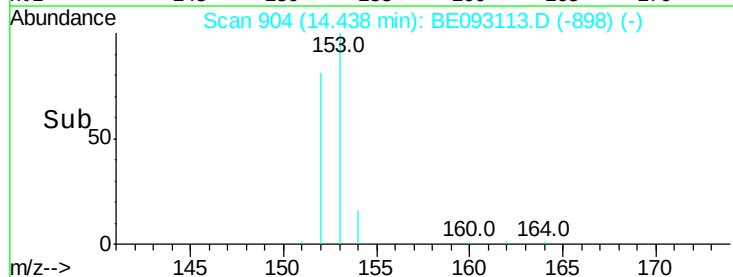
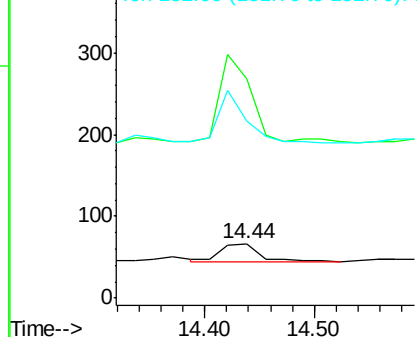


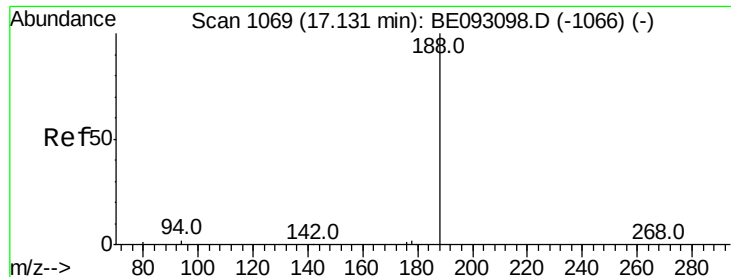
#17
Acenaphthene
Concen: 0.01 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

Tgt Ion:154 Resp: 51
Ion Ratio Lower Upper
154 100
153 396.1 367.8 551.6
152 215.7 188.2 282.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampleId :

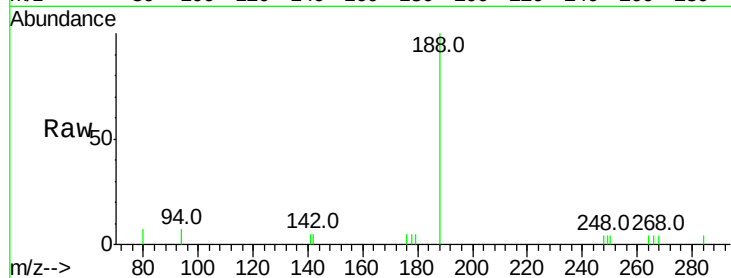
Tot Ion:188 Resp: 2892

Ion Ratio Lower Upper

188 100

94 7.1 11.3 16.9#

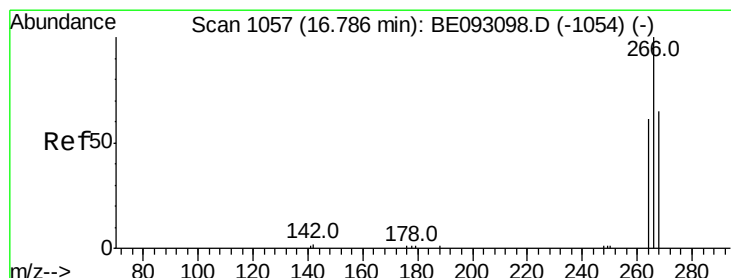
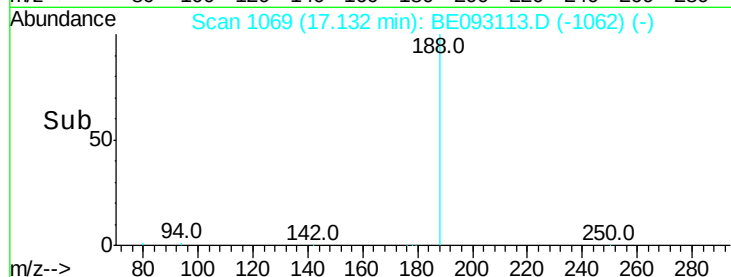
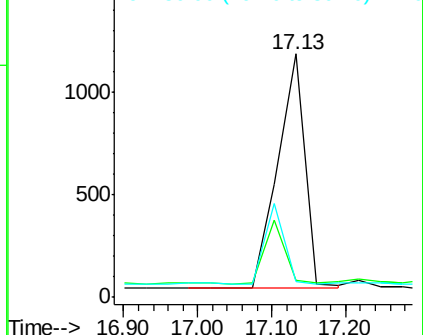
80 6.7 11.7 17.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.01 ng

RT: 16.79 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

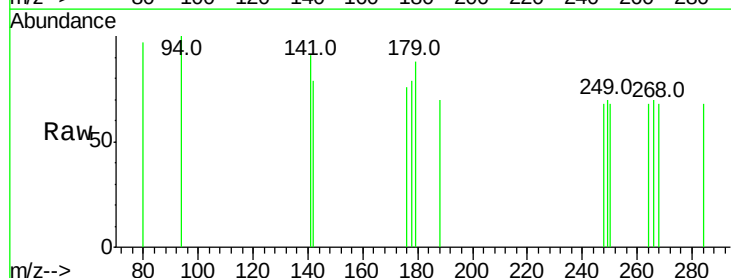
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 97.8 58.2 87.2#

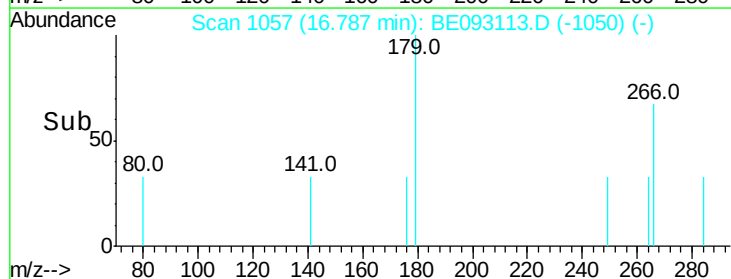
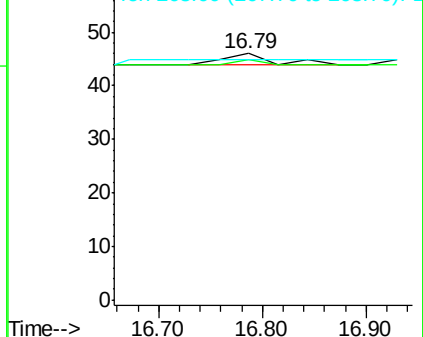
268 97.8 71.9 107.9

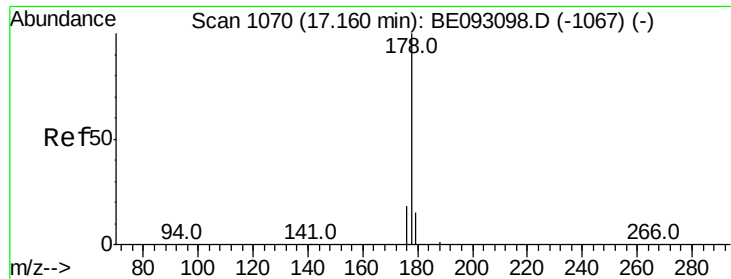


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.02 ng

RT: 17.16 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampled :

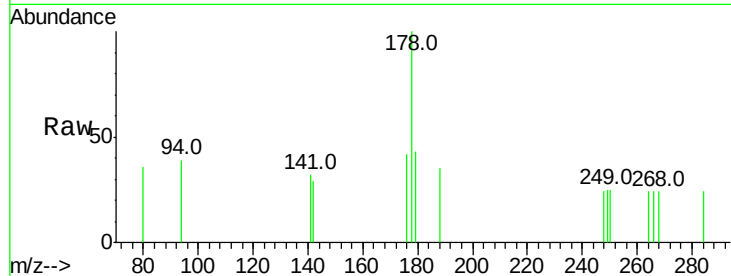
Tot Ion:178 Resp: 240

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

179 0.0 12.7 19.1#



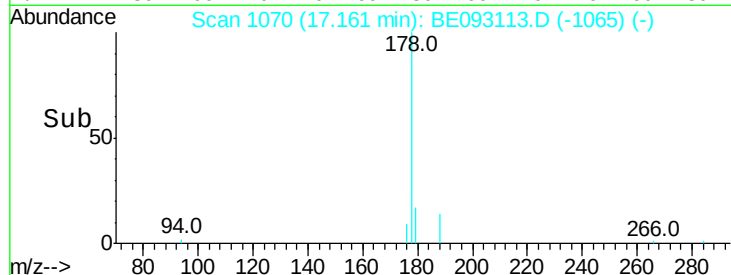
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

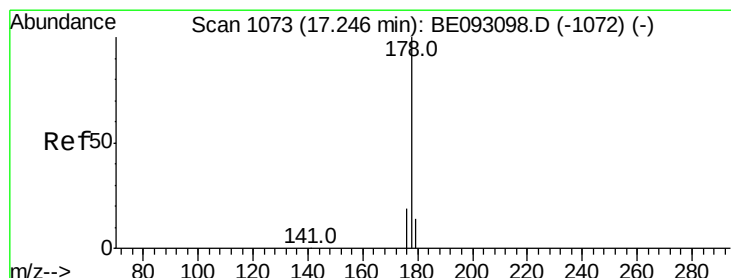
Ion 179.00 (178.70 to 179.70): E

17.16

17.10 17.20



Time-->



#24

Anthracene

Concen: 0.02 ng

RT: 17.25 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

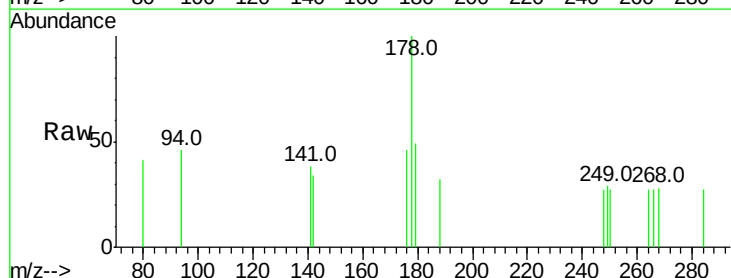
Tgt Ion:178 Resp: 217

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

179 0.0 12.0 18.0#



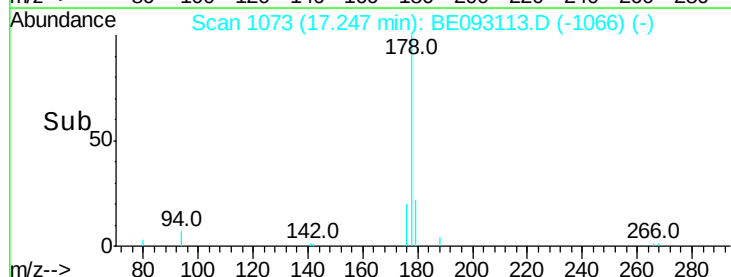
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

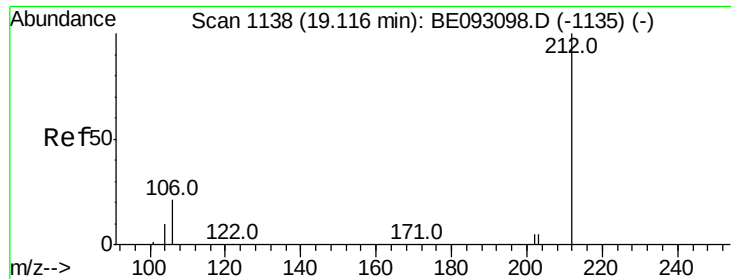
Ion 179.00 (178.70 to 179.70): E

17.25

17.20 17.30



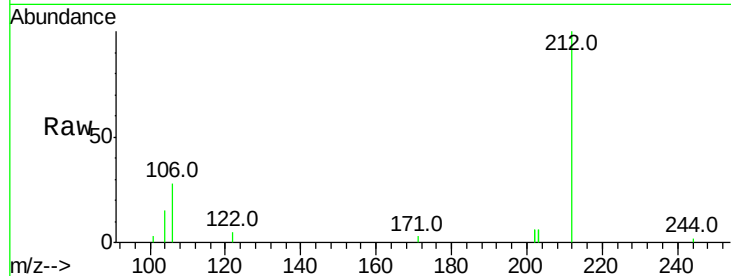
Time-->



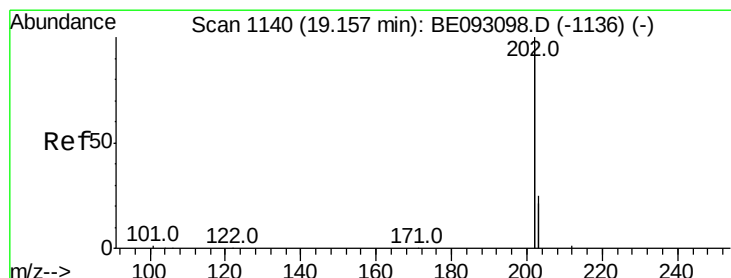
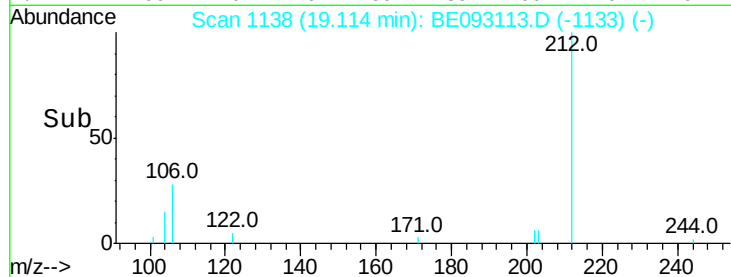
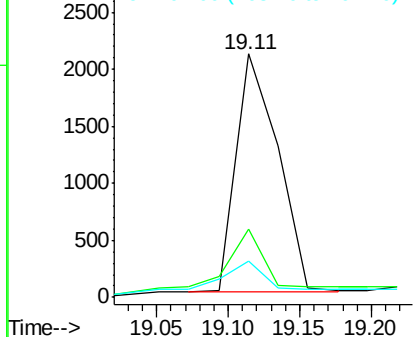
#25
 Fluoranthene-d10
 Concen: 0.45 ng
 RT: 19.11 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BE093113.D
 Acq: 12 Jun 2017 22:13

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:212 Resp: 4271
 Ion Ratio Lower Upper
 212 100
 106 19.0 0.0 0.0#
 104 10.3 0.0 0.0#

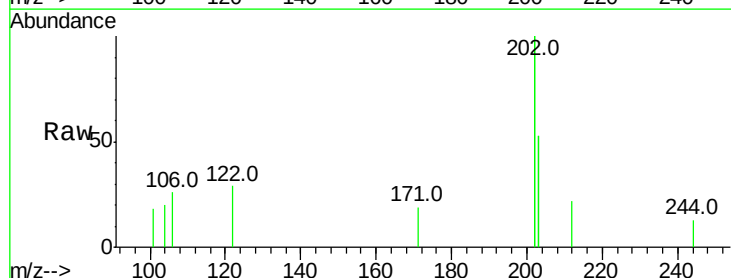


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

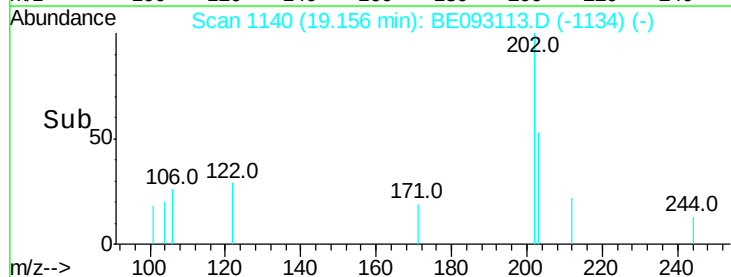
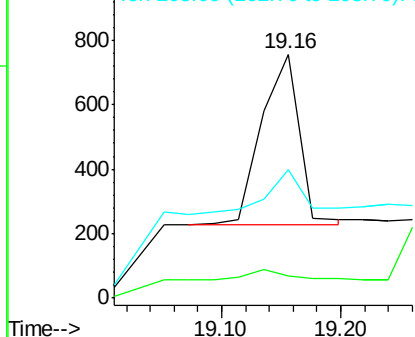


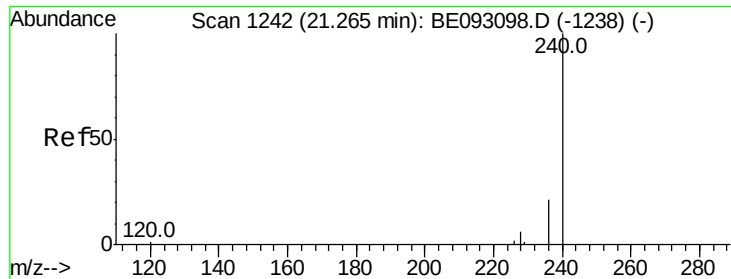
#26
 Fluoranthene
 Concen: 0.02 ng
 RT: 19.16 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BE093113.D
 Acq: 12 Jun 2017 22:13

Tgt Ion:202 Resp: 1181
 Ion Ratio Lower Upper
 202 100
 101 0.0 0.0 0.0
 203 22.0 14.4 21.6#



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

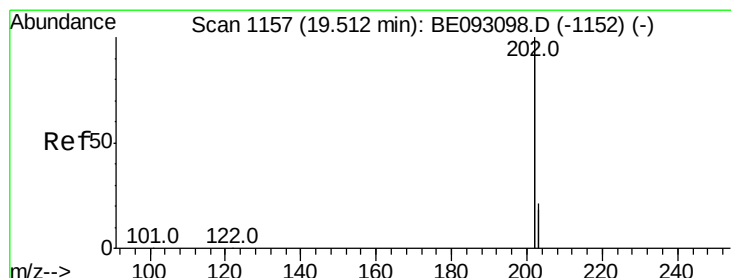
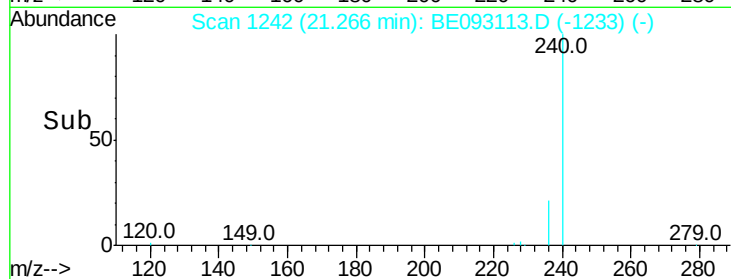
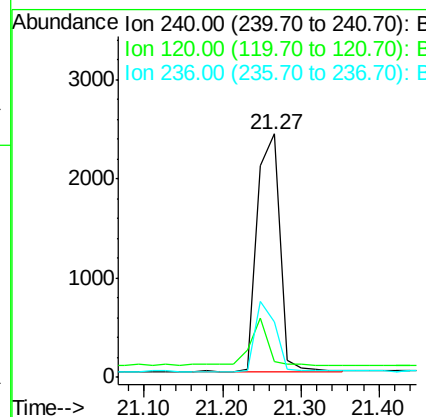
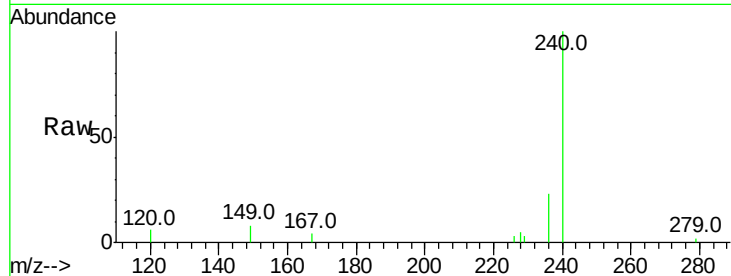




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.27 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

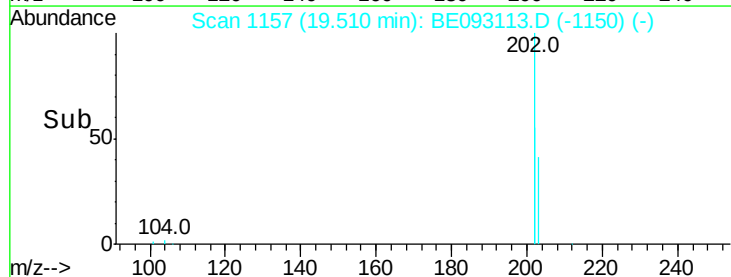
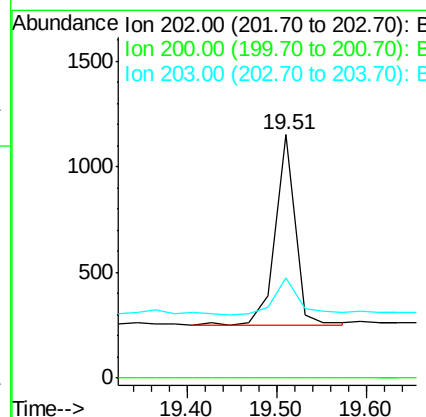
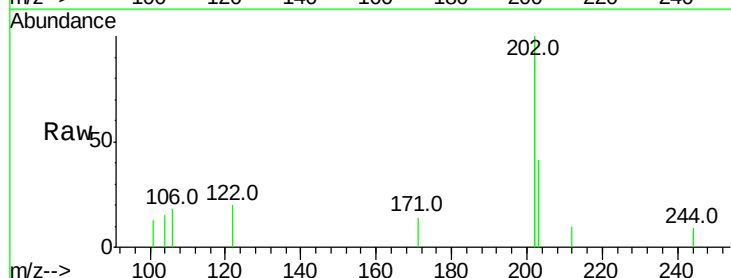
Instrument :
BNA_E
ClientSampleId :

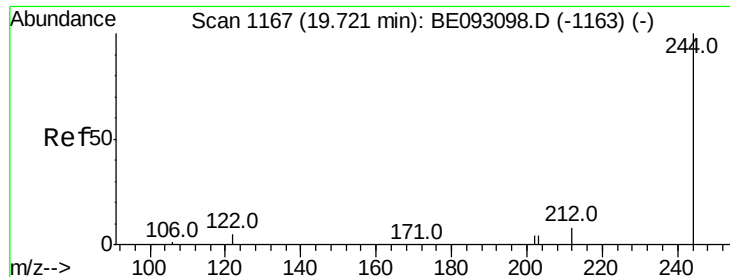
Tot Ion:240 Resp: 4880
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 23.0 20.8 31.2



#28
Pyrene
Concen: 0.02 ng
RT: 19.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

Tgt Ion:202 Resp: 1404
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 23.5 13.7 20.5#





#29

Terphenyl-d14

Concen: 0.45 ng

RT: 19.72 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampleId :

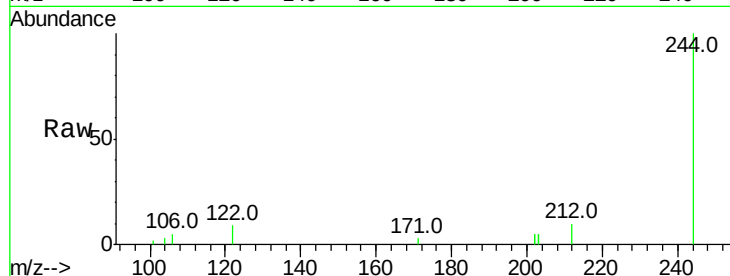
Tot Ion:244 Resp: 4248

Ion Ratio Lower Upper

244 100

212 10.3 10.6 16.0#

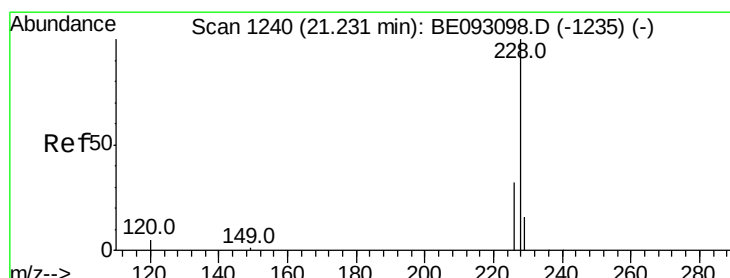
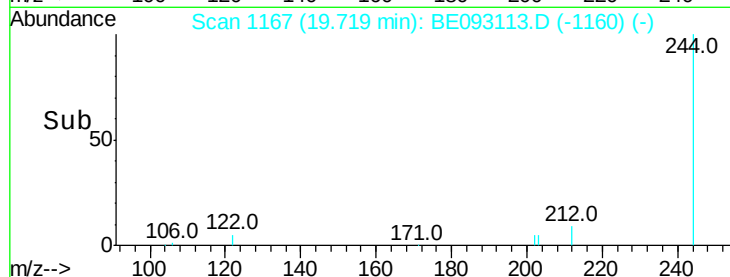
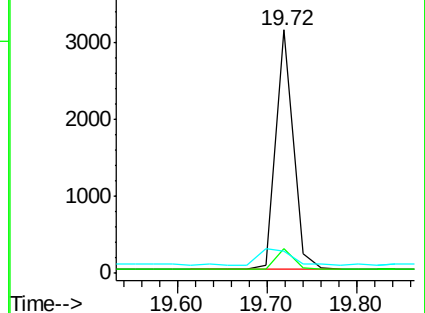
122 9.1 15.4 23.0#



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



#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.23 min Scan# 1240

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

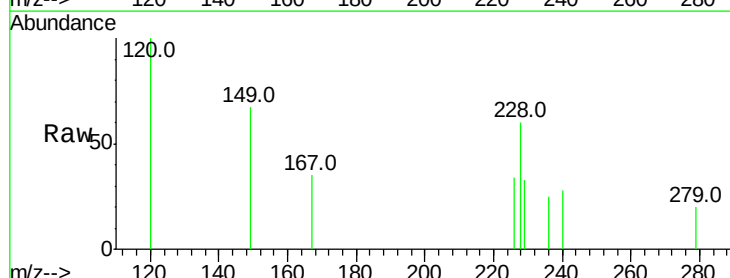
Tgt Ion:228 Resp: 235

Ion Ratio Lower Upper

228 100

226 56.9 19.7 29.5#

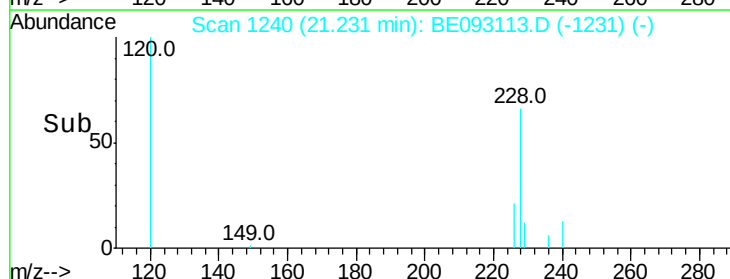
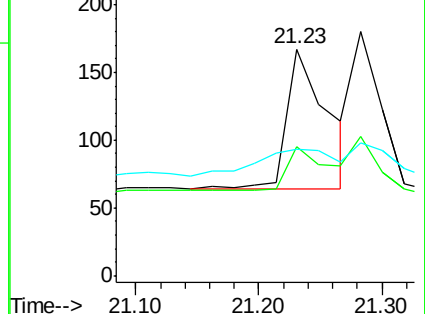
229 55.7 19.2 28.8#

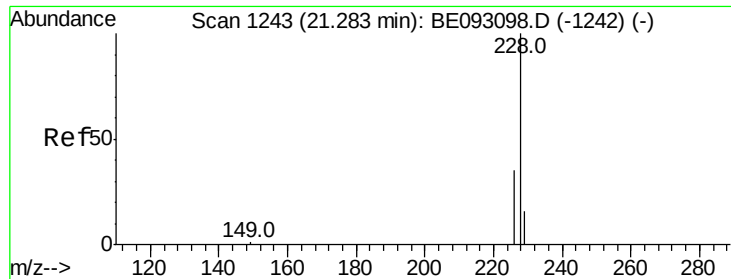


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.02 ng

RT: 21.23 min Scan# 1240

Delta R.T. -0.05 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampleId :

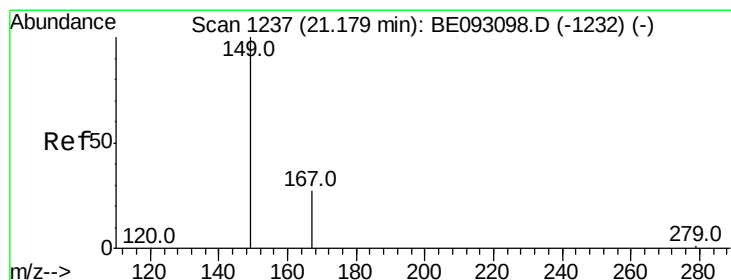
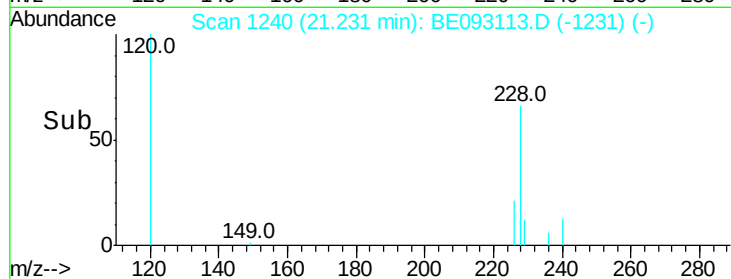
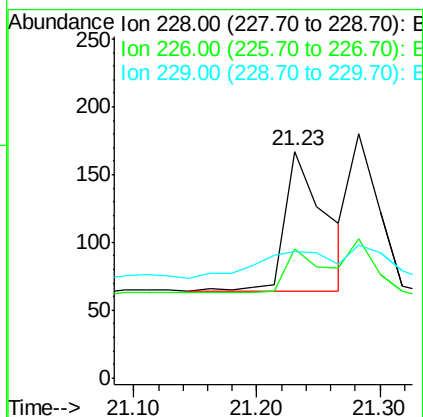
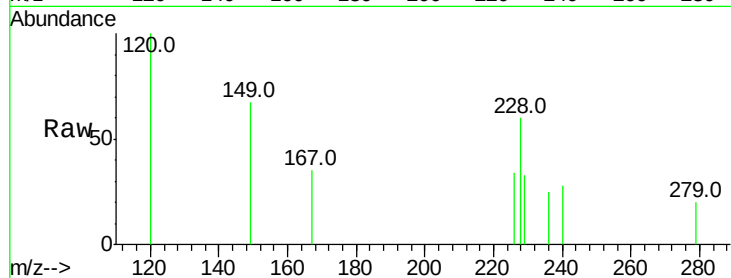
Tot Ion:228 Resp: 235

Ion Ratio Lower Upper

228 100

226 56.9 21.5 32.3#

229 55.7 18.6 28.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.18 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

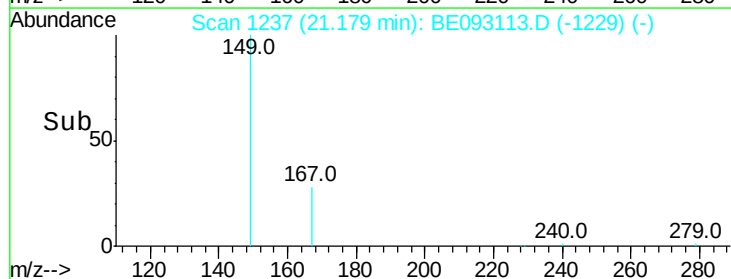
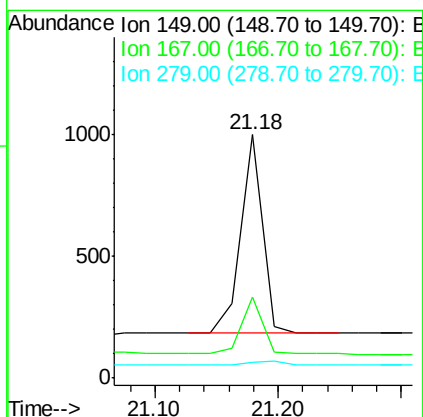
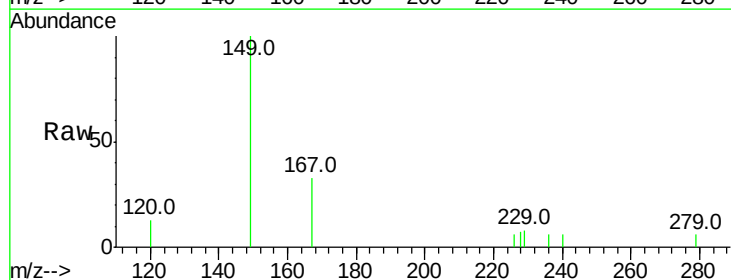
Tgt Ion:149 Resp: 1018

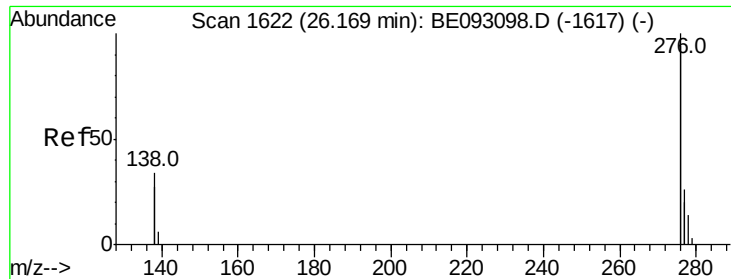
Ion Ratio Lower Upper

149 100

167 27.9 20.1 30.1

279 2.8 2.2 3.4

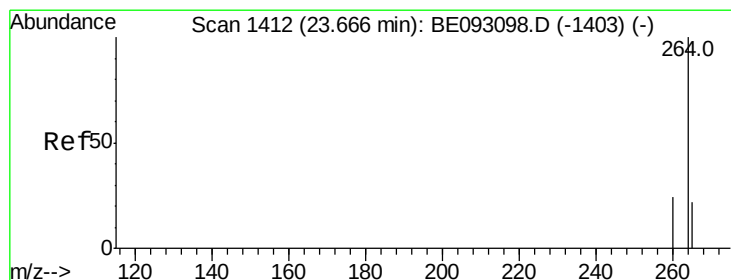
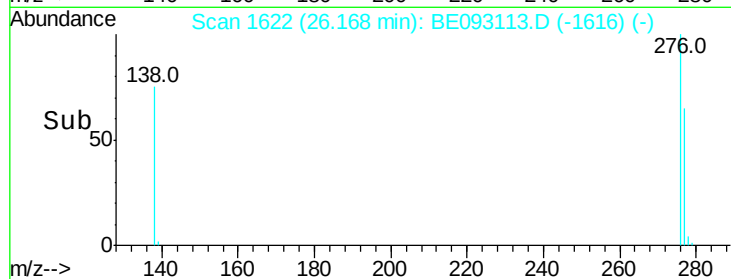
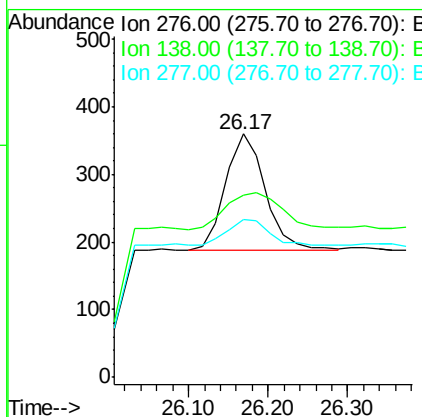
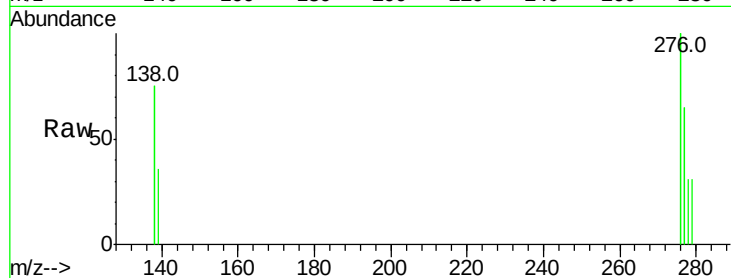




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 26.17 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE093113.D
 Acq: 12 Jun 2017 22:13

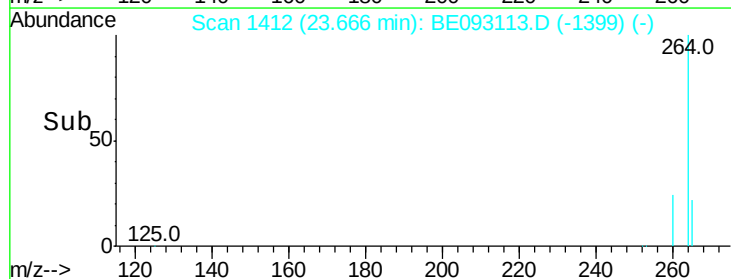
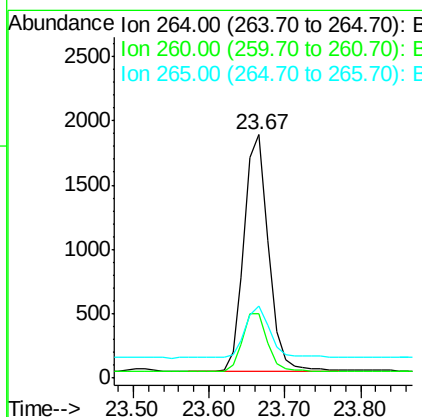
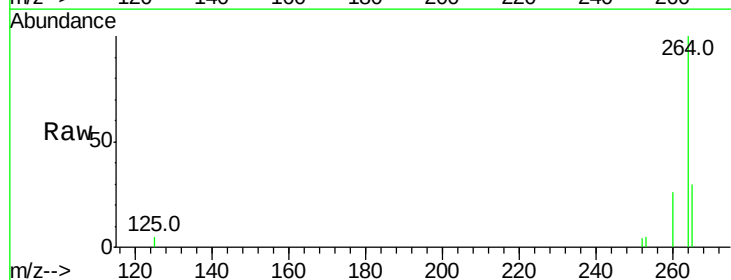
Instrument :
 BNA_E
 ClientSampleId :

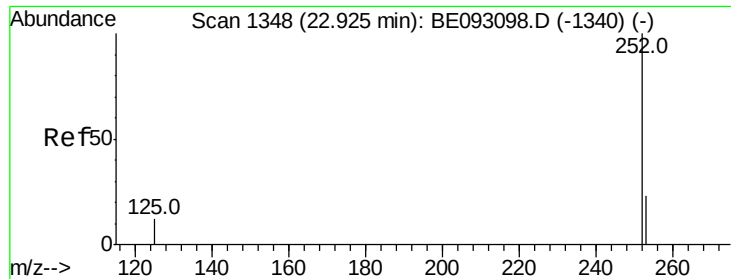
Tot Ion:276 Resp: 595
 Ion Ratio Lower Upper
 276 100
 138 46.7 27.4 41.2#
 277 22.0 20.1 30.1



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.67 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BE093113.D
 Acq: 12 Jun 2017 22:13

Tgt Ion:264 Resp: 4143
 Ion Ratio Lower Upper
 264 100
 260 26.2 21.0 31.4
 265 29.8 24.6 36.8

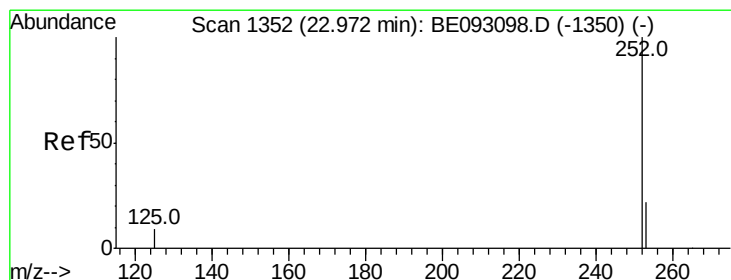
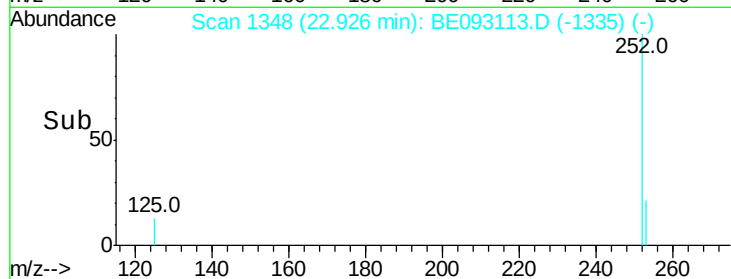
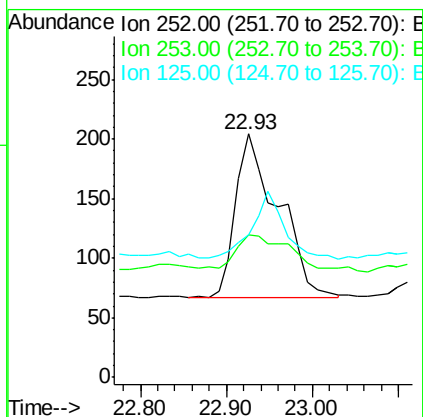
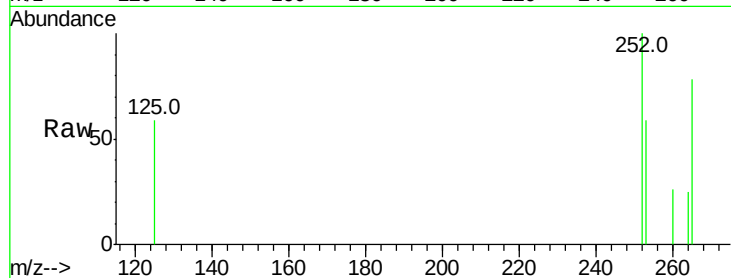




#35
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 22.93 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

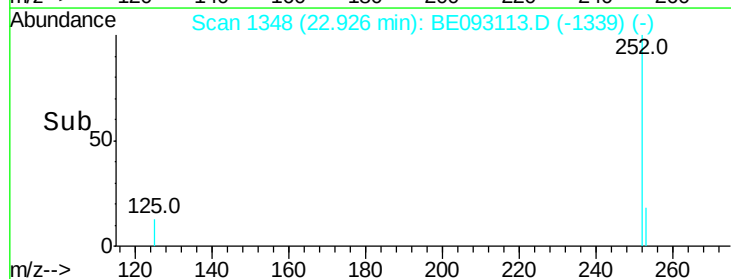
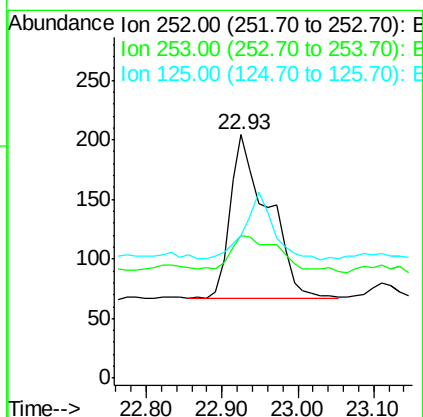
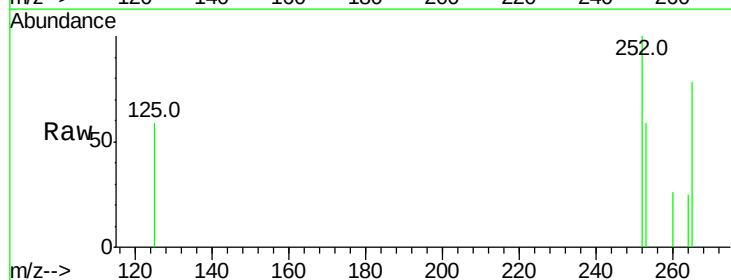
Instrument :
BNA_E
ClientSampled :

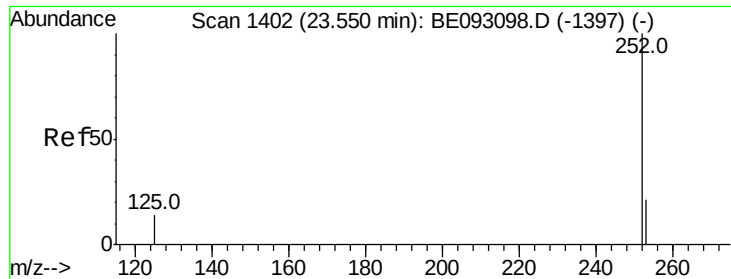
Tot Ion:252 Resp: 473
Ion Ratio Lower Upper
252 100
253 58.8 18.5 27.7#
125 58.8 13.4 20.0#



#36
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 22.93 min Scan# 1348
Delta R.T. -0.05 min
Lab File: BE093113.D
Acq: 12 Jun 2017 22:13

Tgt Ion:252 Resp: 475
Ion Ratio Lower Upper
252 100
253 58.8 20.3 30.5#
125 58.8 12.2 18.4#





#37

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.55 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

Instrument :

BNA_E

ClientSampleId :

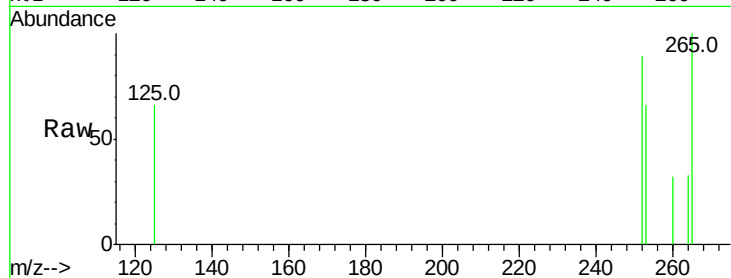
Tot Ion:252 Resp: 149

Ion Ratio Lower Upper

252 100

253 74.8 19.9 29.9#

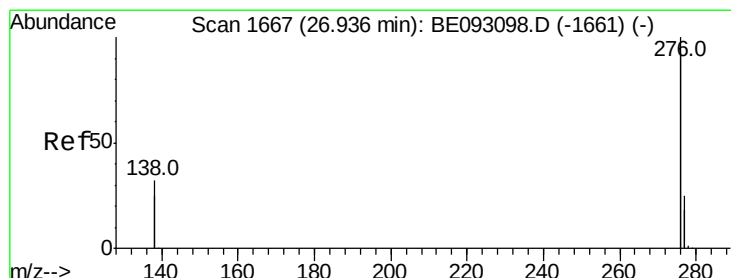
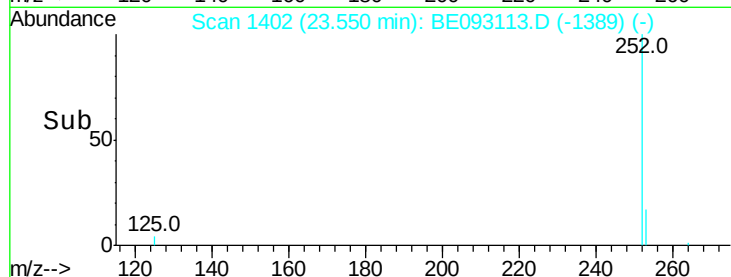
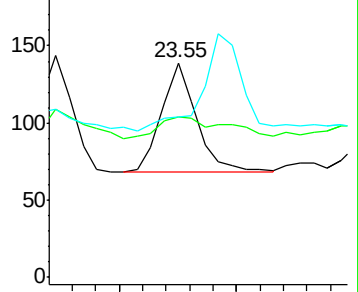
125 74.8 14.6 21.8#



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



#39

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.95 min Scan# 1668

Delta R.T. 0.02 min

Lab File: BE093113.D

Acq: 12 Jun 2017 22:13

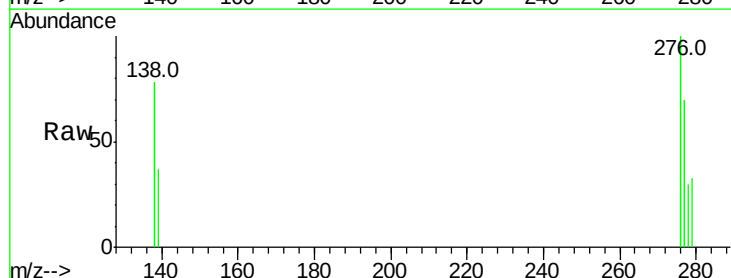
Tgt Ion:276 Resp: 552

Ion Ratio Lower Upper

276 100

277 70.4 21.2 31.8#

138 78.4 24.5 36.7#



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

