

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093106.D
 Acq On : 12 Jun 2017 17:53
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:10:52 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	601	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	2802	0.40	ng	0.00
13) Acenaphthene-d10	14.37	164	1443	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2813	0.40	ng	0.00
27) Chrysene-d12	21.27	240	3968	0.40	ng	0.00
34) Perylene-d12	23.67	264	3031	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	729	0.41	ng	0.00
5) Phenol-d6	6.90	99	1045	0.40	ng	0.00
8) Nitrobenzene-d5	8.88	82	933	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1817	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	135	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	2650	0.43	ng	0.00
25) Fluoranthene-d10	19.11	212	3968	0.43	ng	0.00
29) Terphenyl-d14	19.72	244	3439	0.45	ng	0.00

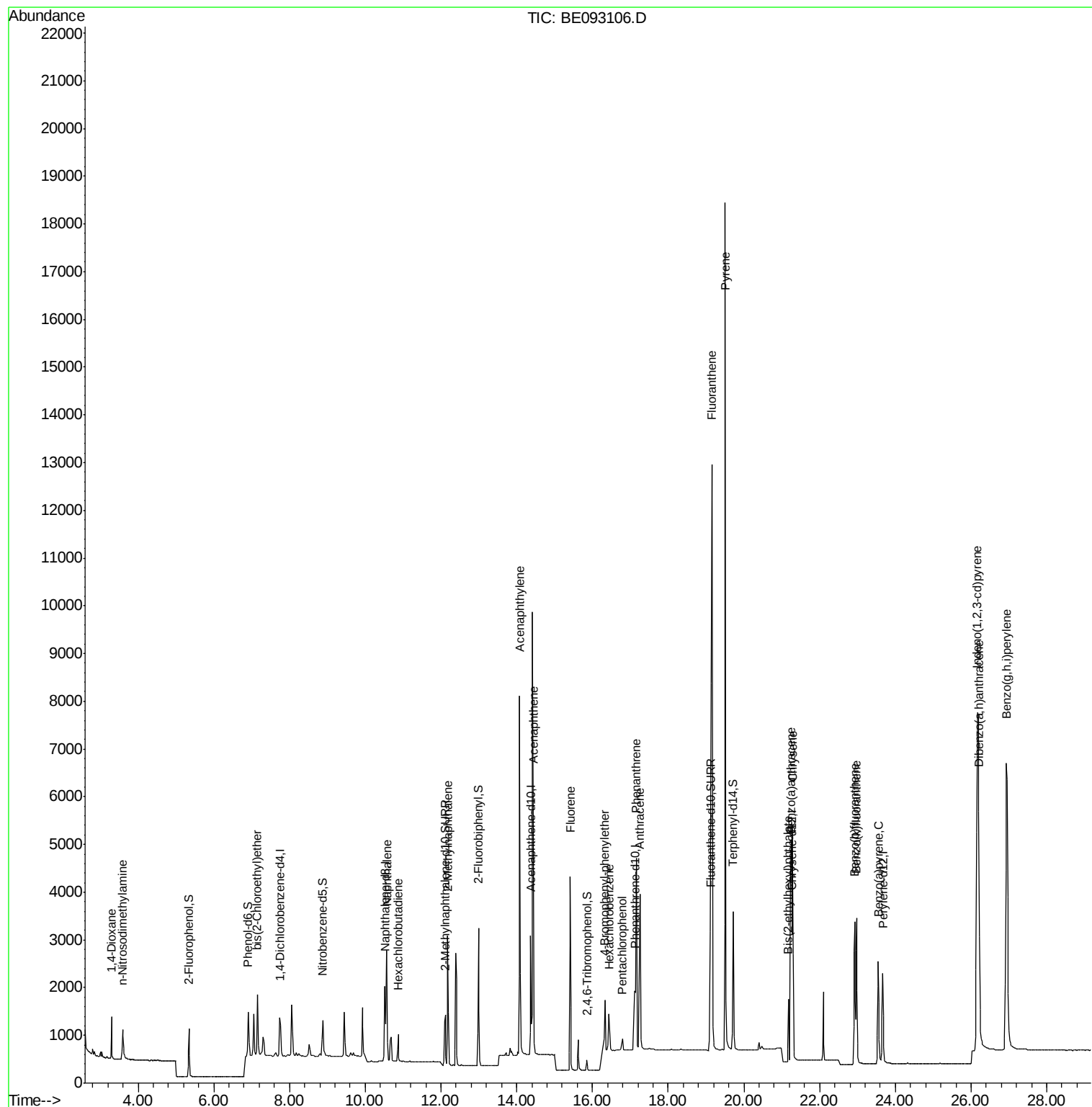
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.29	88	563	0.42	ng	98
3) n-Nitrosodimethylamine	3.59	42	480	0.42	ng	99
6) bis(2-Chloroethyl)ether	7.15	93	966	0.43	ng	# 100
9) Naphthalene	10.56	128	3219	0.43	ng	98
10) Hexachlorobutadiene	10.87	225	435	0.43	ng	98
12) 2-Methylnaphthalene	12.18	142	1960	0.42	ng	97
16) Acenaphthylene	14.08	152	9889	0.39	ng	99
17) Acenaphthene	14.44	154	1980	0.42	ng	98
18) Fluorene	15.41	166	2409	0.43	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	713	0.42	ng	# 85
21) Hexachlorobenzene	16.44	284	765	0.51	ng	# 100
22) Pentachlorophenol	16.79	266	192	0.40	ng	92
23) Phenanthrene	17.16	178	5434	0.43	ng	99
24) Anthracene	17.25	178	4490	0.42	ng	99
26) Fluoranthene	19.16	202	19785	0.43	ng	# 99
28) Pyrene	19.51	202	22401	0.46	ng	# 98
30) Benzo(a)anthracene	21.23	228	4237	0.40	ng	# 86
31) Chrysene	21.28	228	5072	0.44	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.18	149	1352	0.30	ng	96
33) Indeno(1,2,3-cd)pyrene	26.17	276	15892	0.37	ng	98
35) Benzo(b)fluoranthene	22.93	252	4415	0.45	ng	96
36) Benzo(k)fluoranthene	22.97	252	3941	0.42	ng	98
37) Benzo(a)pyrene	23.55	252	3492	0.41	ng	99
38) Dibenzo(a,h)anthracene	26.20	278	3640	0.41	ng	# 94
39) Benzo(g,h,i)perylene	26.94	276	15025	0.42	ng	99

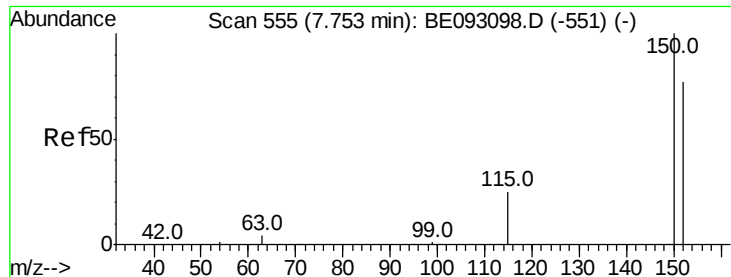
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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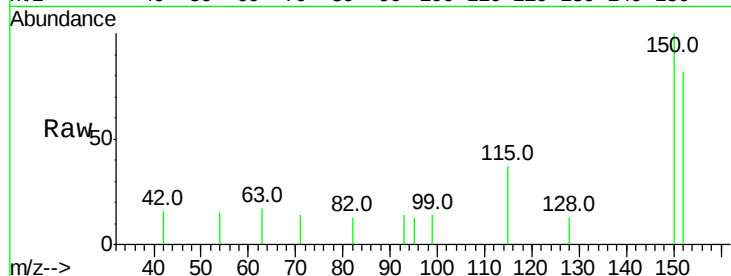


#1

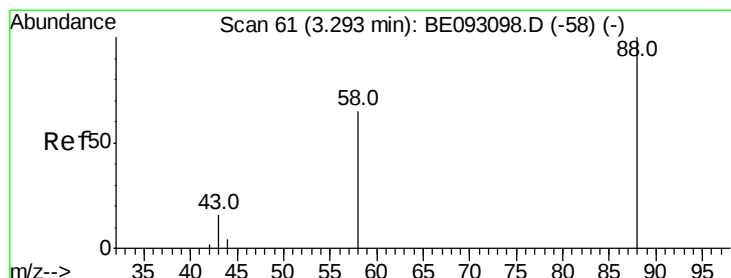
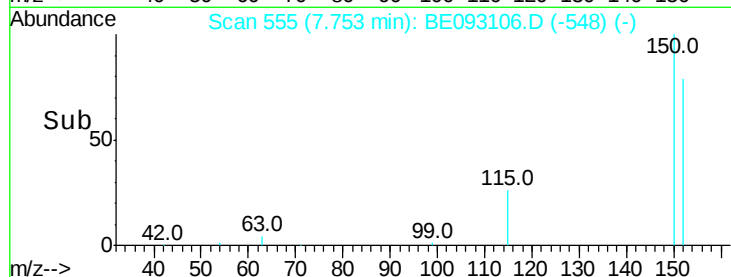
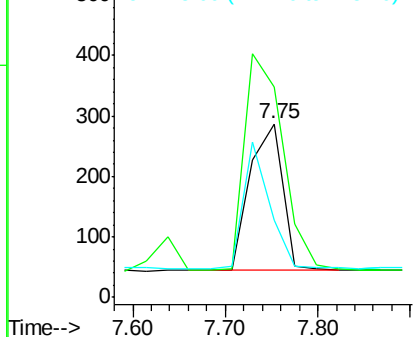
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 601
Ion Ratio Lower Upper
152 100
150 121.6 125.1 187.7#
115 44.6 55.7 83.5#



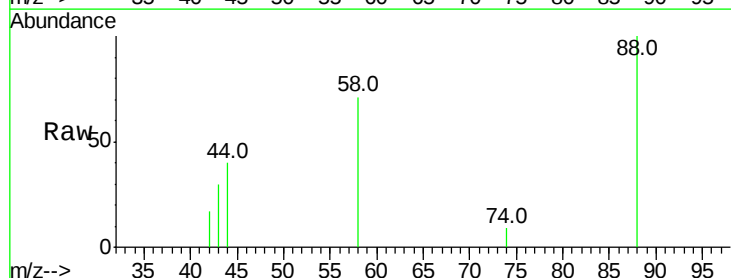
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



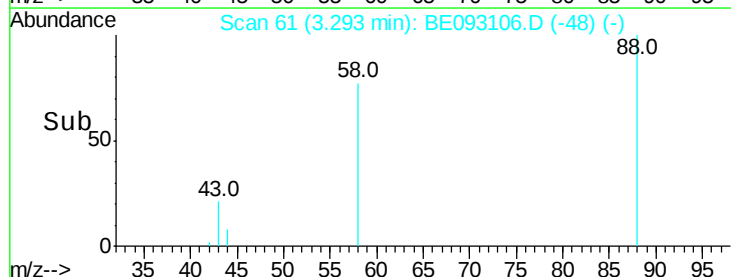
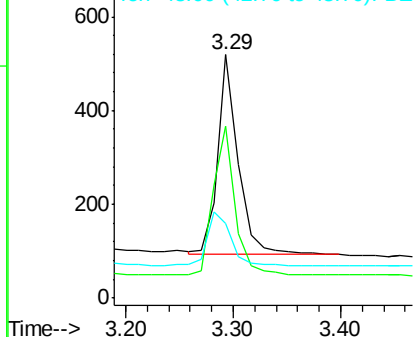
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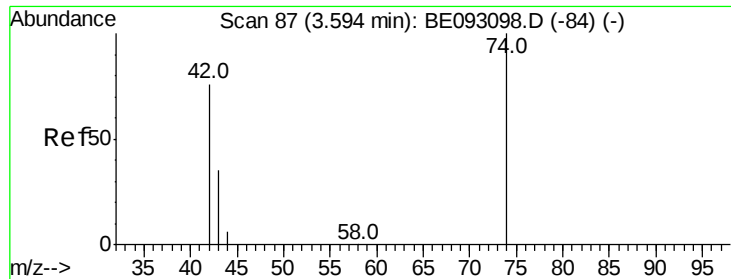
1,4-Dioxane
Concen: 0.42 ng
RT: 3.29 min Scan# 61
Delta R.T. 0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

Tgt Ion: 88 Resp: 563
Ion Ratio Lower Upper
88 100
58 78.0 62.2 93.4
43 32.3 23.2 34.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



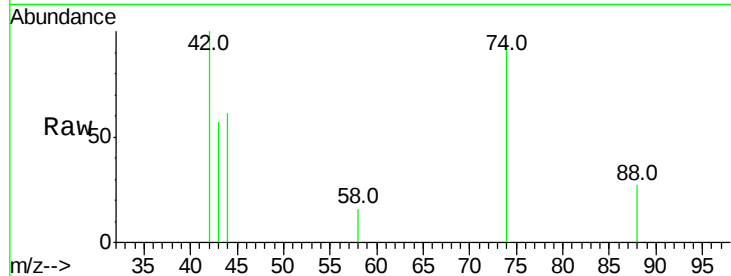


#3

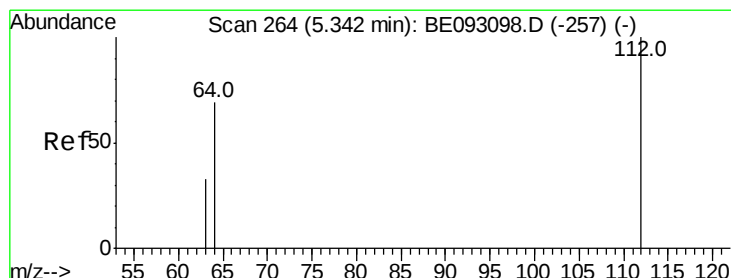
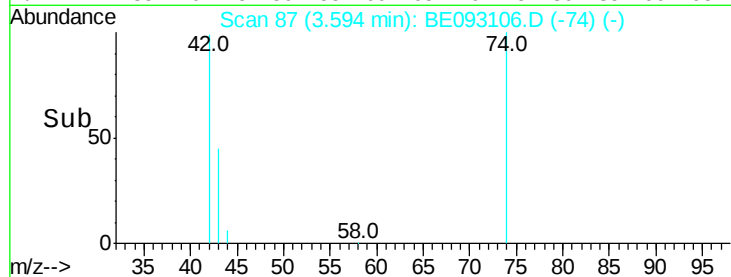
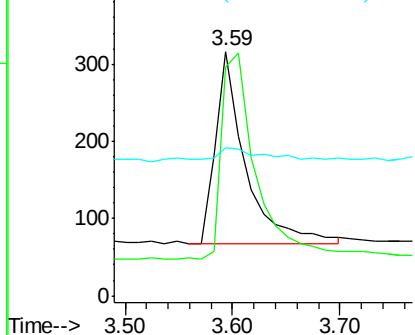
n-Nitrosodimethylamine
 Concen: 0.42 ng
 RT: 3.59 min Scan# 87
 Delta R.T. 0.00 min
 Lab File: BE093106.D
 Acq: 12 Jun 2017 17:53

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 480
 Ion Ratio Lower Upper
 42 100
 74 123.3 99.1 148.7
 44 8.3 7.4 11.2



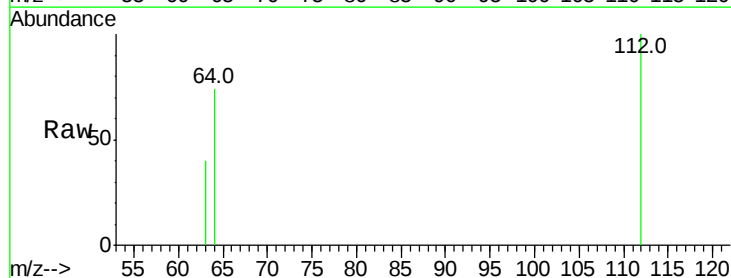
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



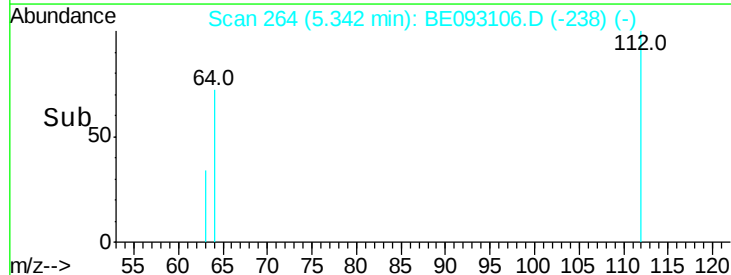
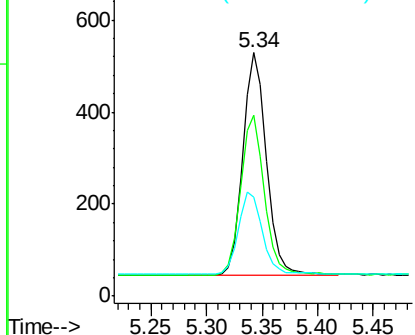
#4

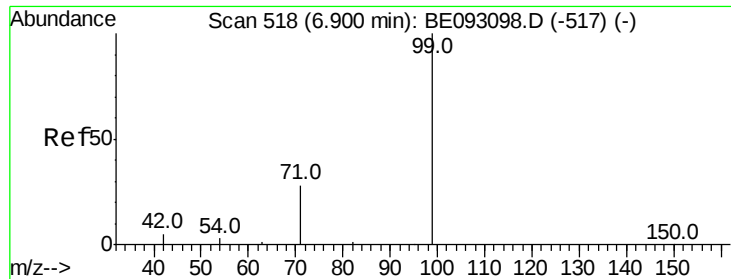
2-Fluorophenol
 Concen: 0.41 ng
 RT: 5.34 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: BE093106.D
 Acq: 12 Jun 2017 17:53

Tgt Ion: 112 Resp: 729
 Ion Ratio Lower Upper
 112 100
 64 72.7 56.4 84.6
 63 37.9 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: 0.40 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

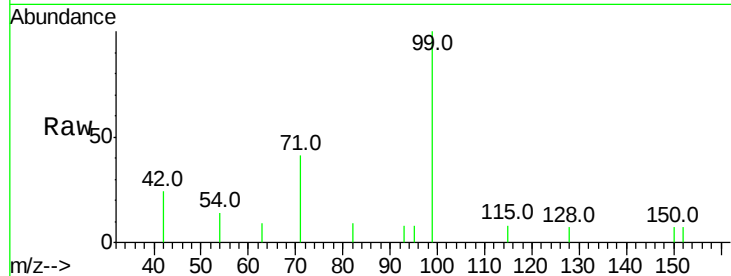
Tot Ion: 99 Resp: 1045

Ion Ratio Lower Upper

99 100

42 20.8 0.0 0.0#

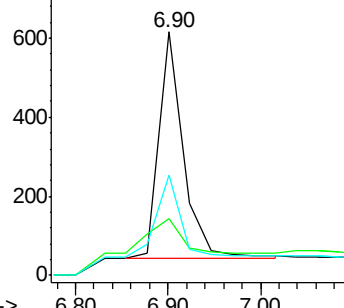
71 35.6 0.0 0.0#



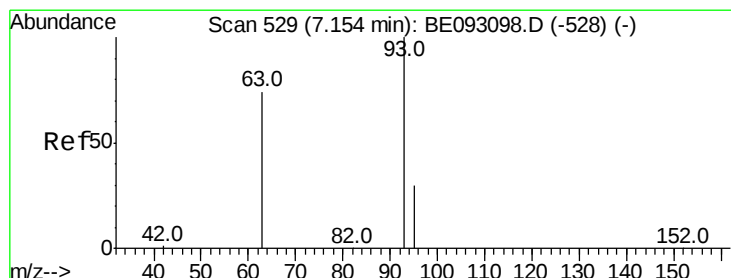
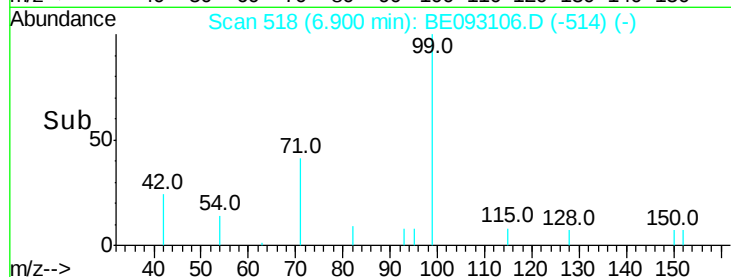
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.43 ng

RT: 7.15 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

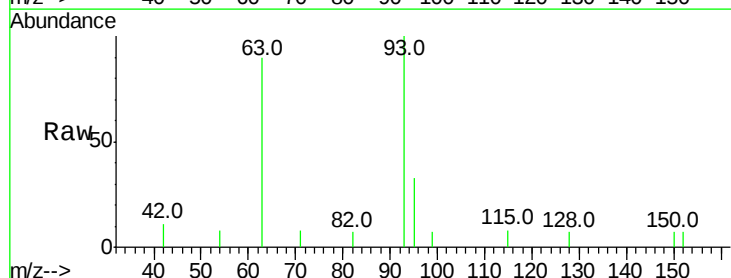
Tgt Ion: 93 Resp: 966

Ion Ratio Lower Upper

93 100

63 90.4 0.0 0.0#

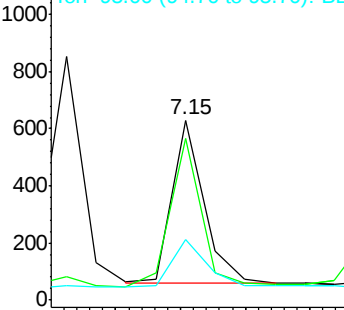
95 31.9 25.4 38.0



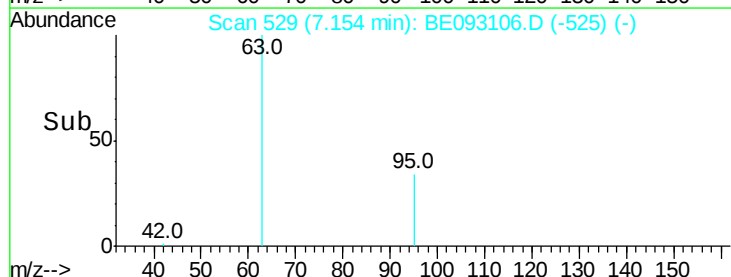
Abundance Ion 93.00 (92.70 to 93.70): BE0

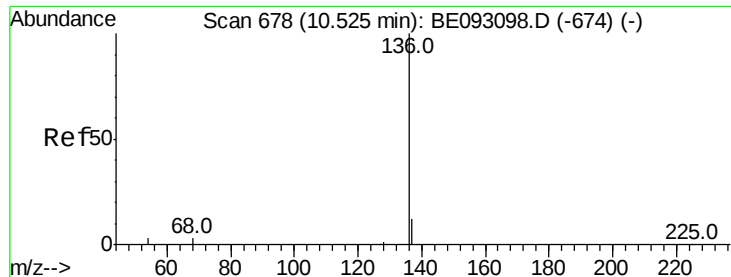
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2802

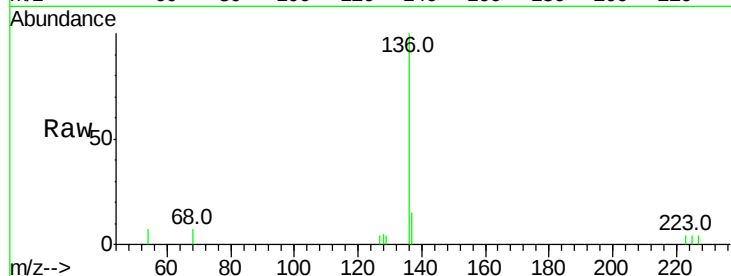
Ion Ratio Lower Upper

136 100

137 15.5 9.8 14.8#

54 7.5 10.3 15.5#

68 7.5 9.0 13.4#

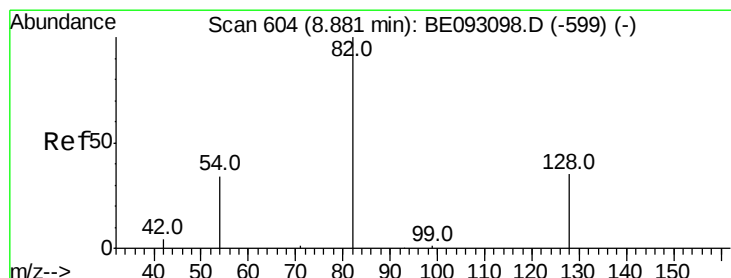
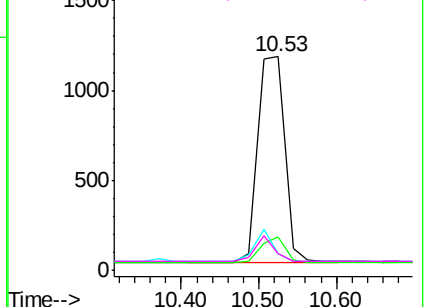
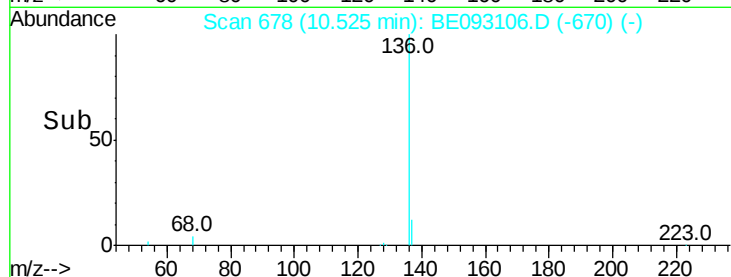


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.42 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

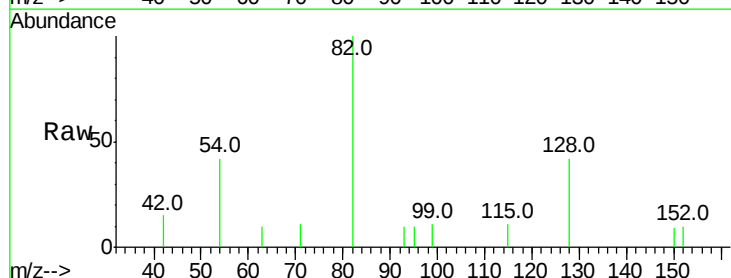
Tgt Ion: 82 Resp: 933

Ion Ratio Lower Upper

82 100

128 41.8 17.0 25.4#

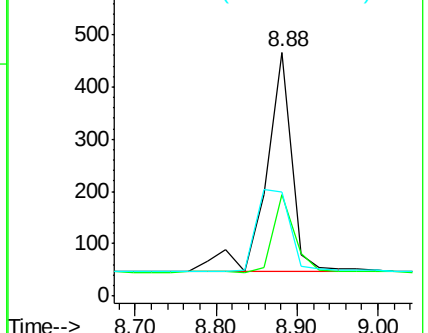
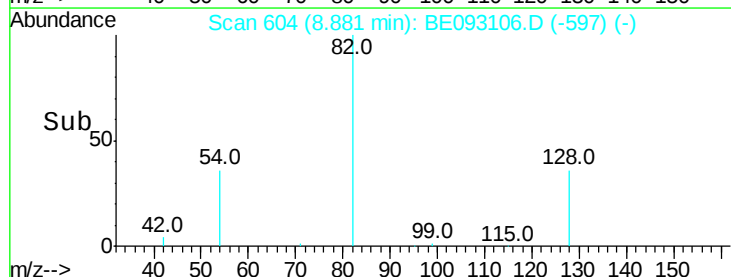
54 42.5 53.8 80.6#

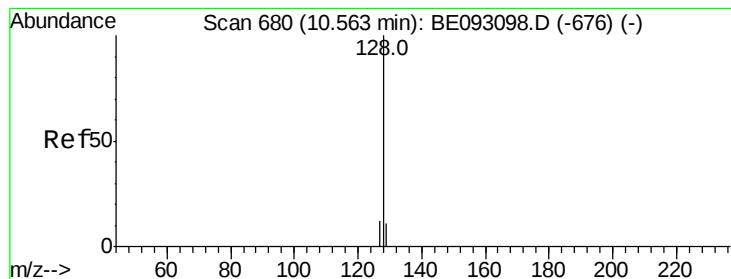


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.43 ng

RT: 10.56 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

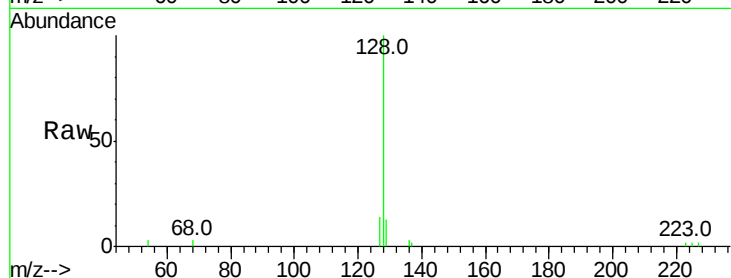
Tot Ion:128 Resp: 3219

Ion Ratio Lower Upper

128 100

129 13.2 11.4 17.0

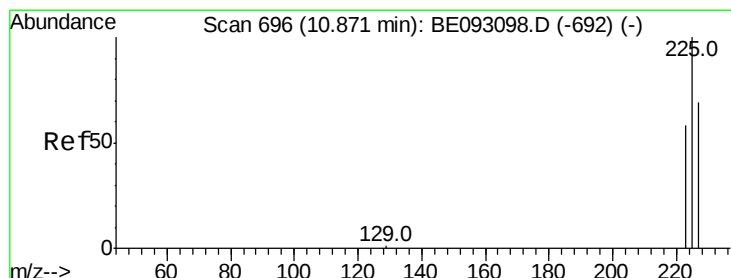
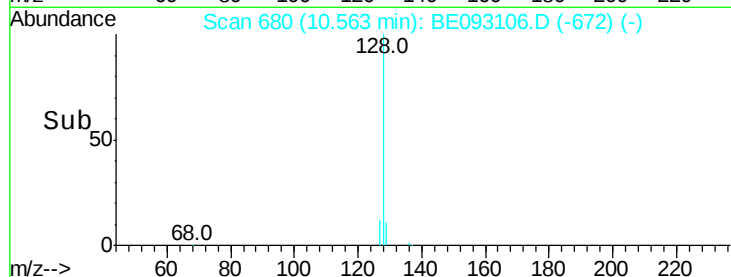
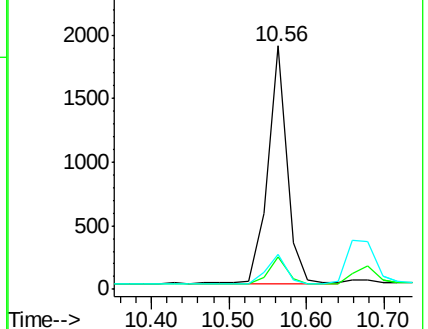
127 14.4 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.43 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

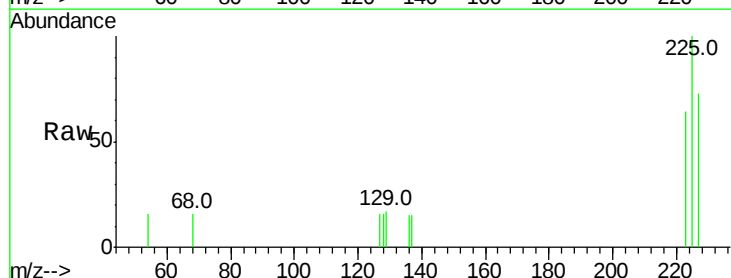
Tgt Ion:225 Resp: 435

Ion Ratio Lower Upper

225 100

223 63.9 49.7 74.5

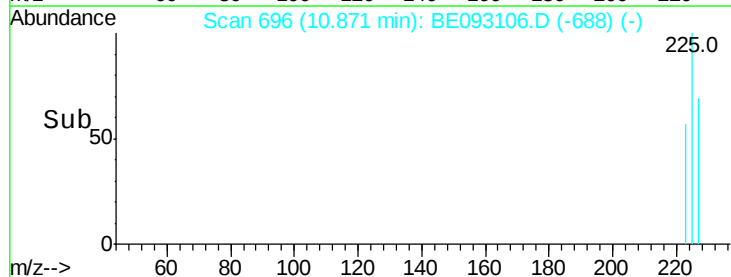
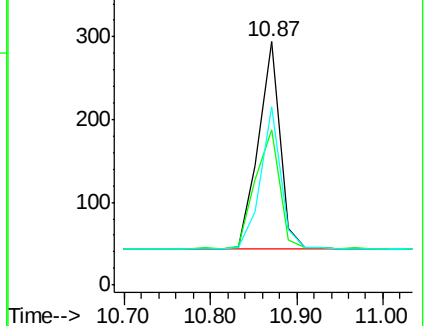
227 64.4 50.3 75.5

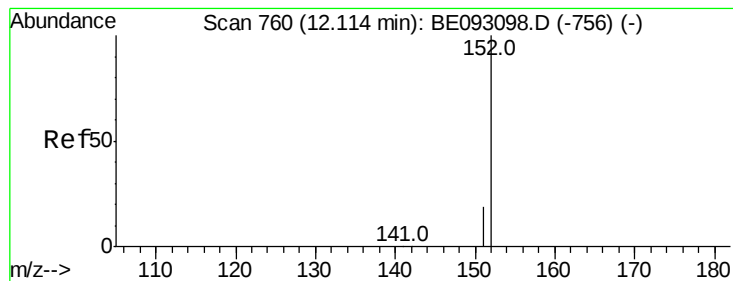


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

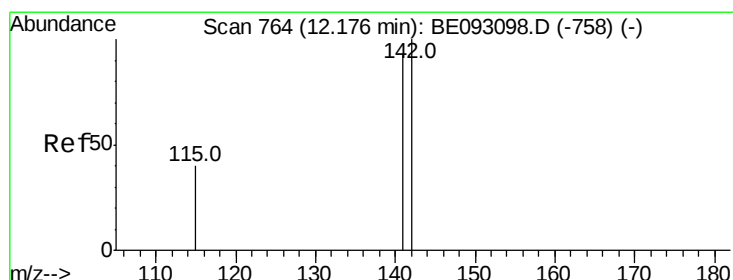
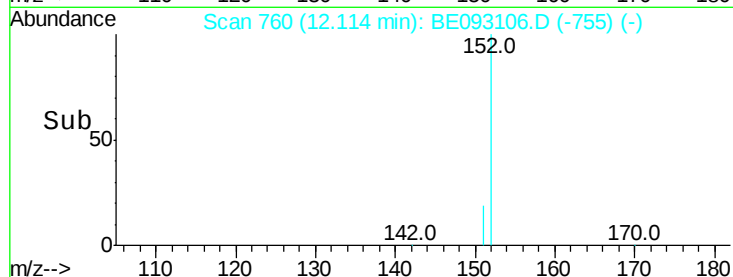
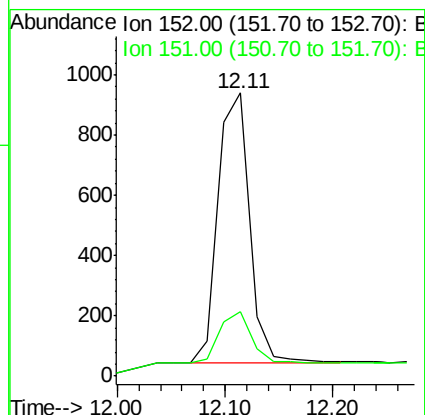
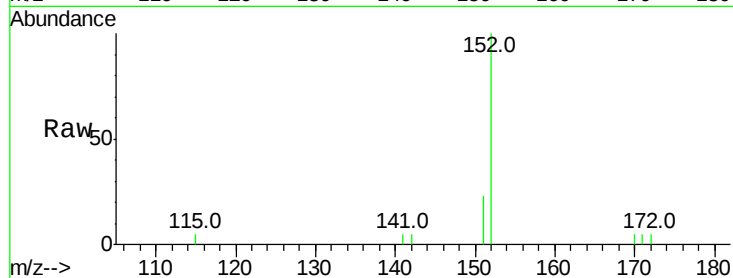




#11
 2-Methylnaphthalene-d10
 Concen: 0.43 ng
 RT: 12.11 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BE093106.D
 Acq: 12 Jun 2017 17:53

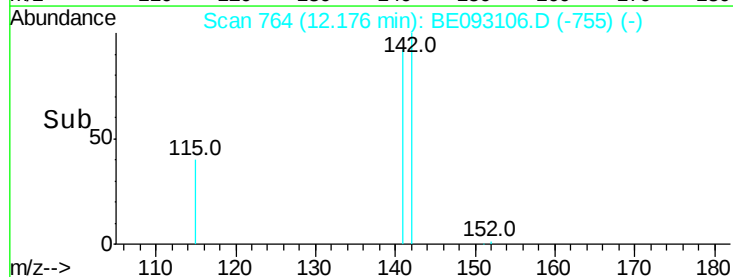
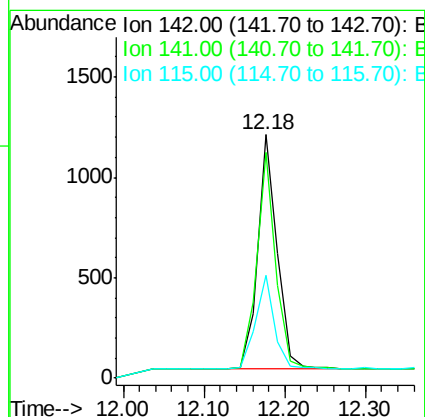
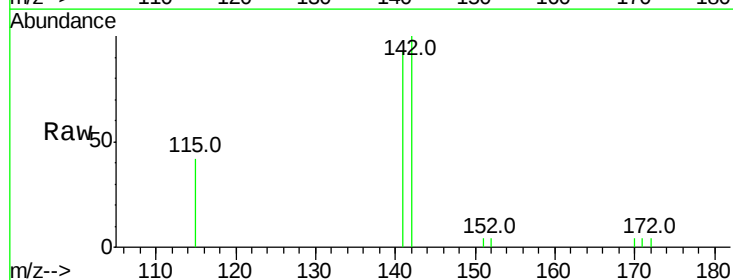
Instrument :
 BNA_E
 ClientSampled :

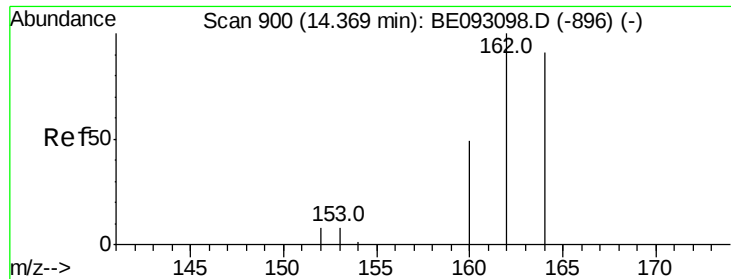
Tot Ion:152 Resp: 1817
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.42 ng
 RT: 12.18 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE093106.D
 Acq: 12 Jun 2017 17:53

Tgt Ion:142 Resp: 1960
 Ion Ratio Lower Upper
 142 100
 141 92.7 72.6 108.8
 115 42.4 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampled :

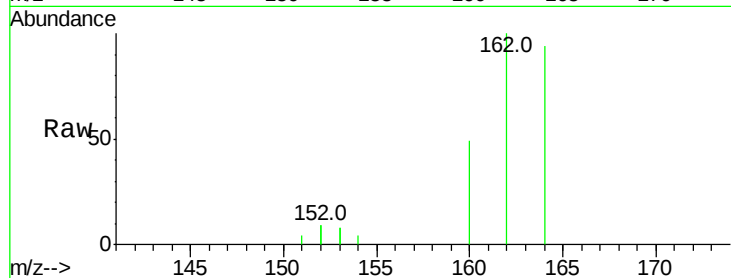
Tot Ion:164 Resp: 1443

Ion Ratio Lower Upper

164 100

162 106.2 84.6 127.0

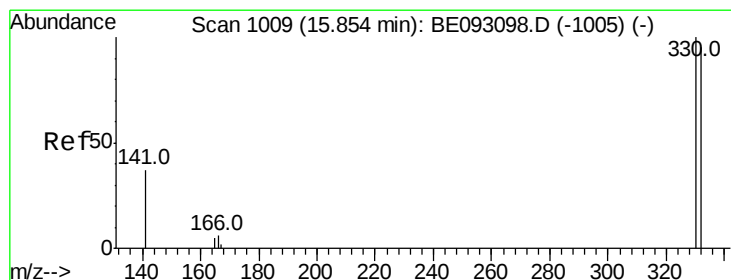
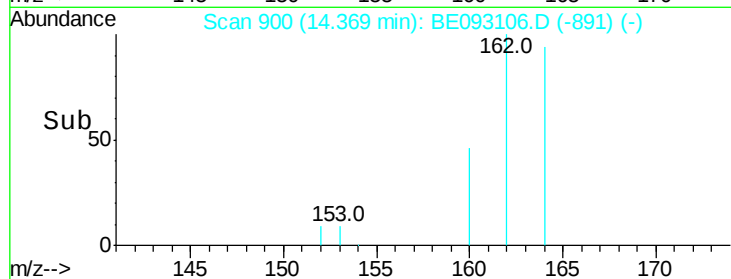
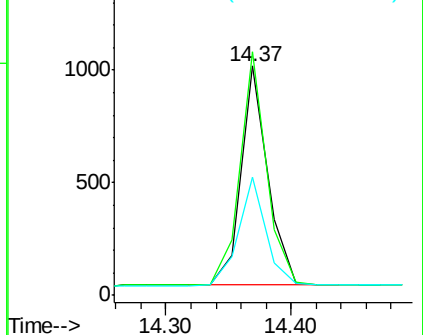
160 51.8 41.8 62.6



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: 0.41 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

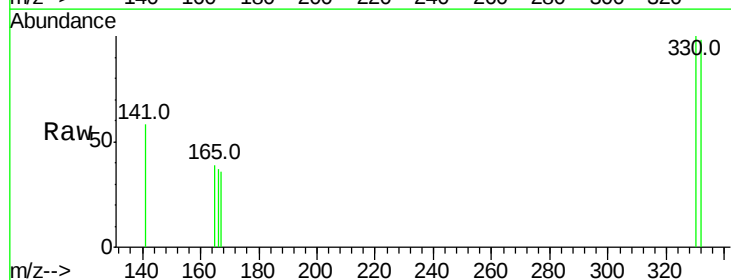
Tgt Ion:330 Resp: 135

Ion Ratio Lower Upper

330 100

332 92.6 77.7 116.5

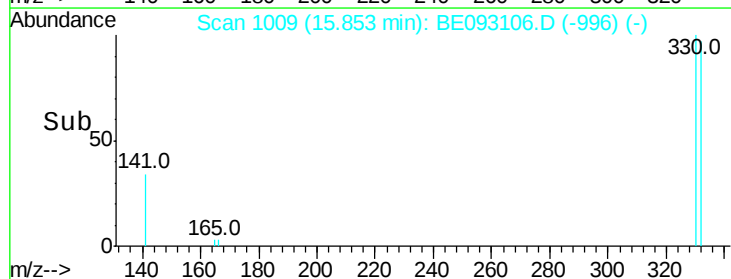
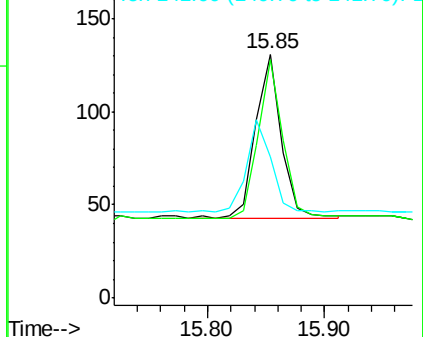
141 54.8 56.2 84.4#

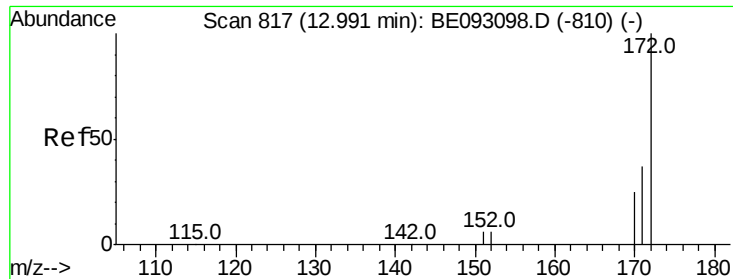


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

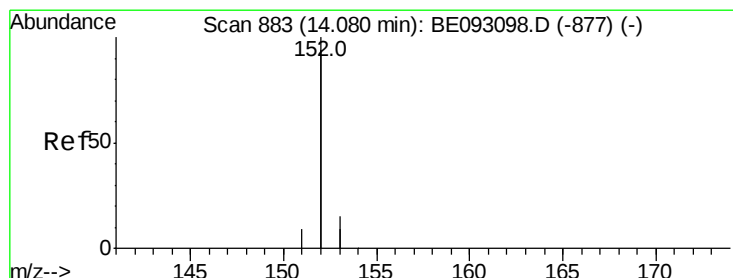
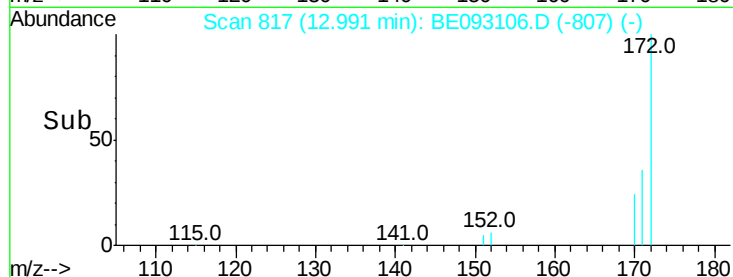
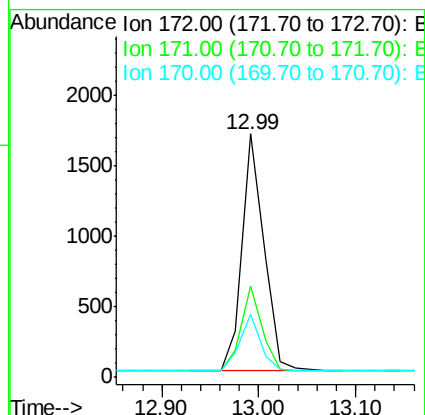
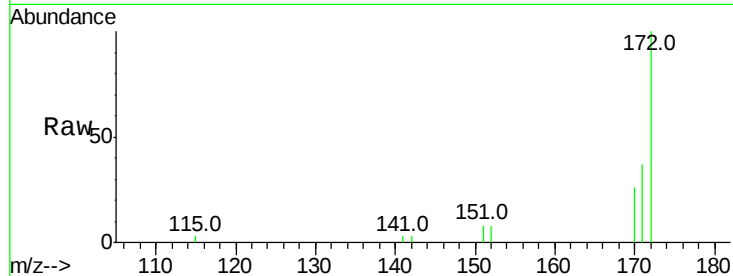




#15
 2-Fluorobiphenyl
 Concen: 0.43 ng
 RT: 12.99 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BE093106.D
 Acq: 12 Jun 2017 17:53

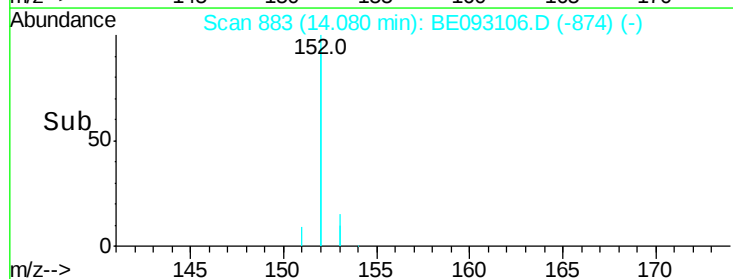
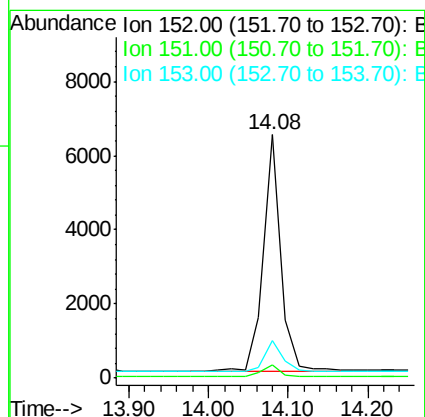
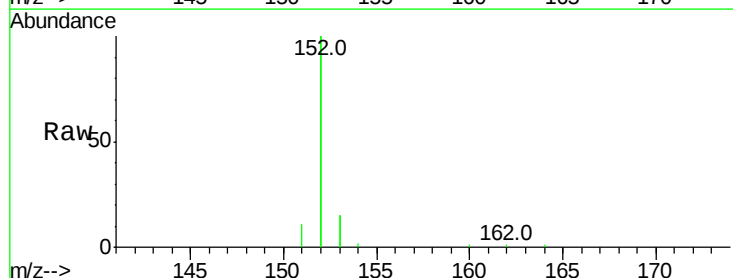
Instrument :
 BNA_E
 ClientSampleId :

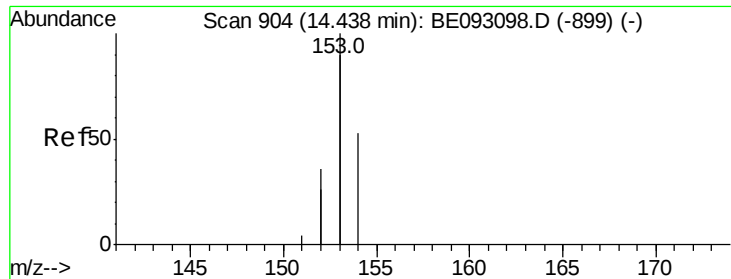
Tot Ion:172 Resp: 2650
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.6
 170 25.7 20.7 31.1



#16
 Acenaphthylene
 Concen: 0.39 ng
 RT: 14.08 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BE093106.D
 Acq: 12 Jun 2017 17:53

Tgt Ion:152 Resp: 9889
 Ion Ratio Lower Upper
 152 100
 151 5.0 4.0 6.0
 153 13.3 10.3 15.5

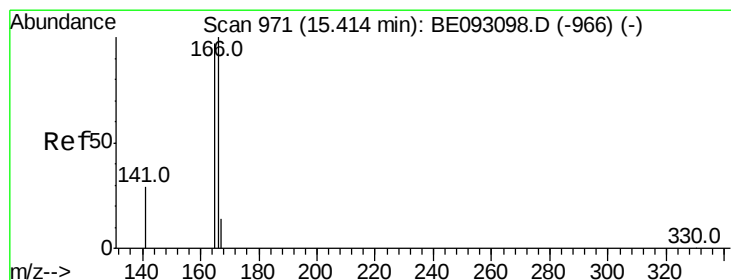
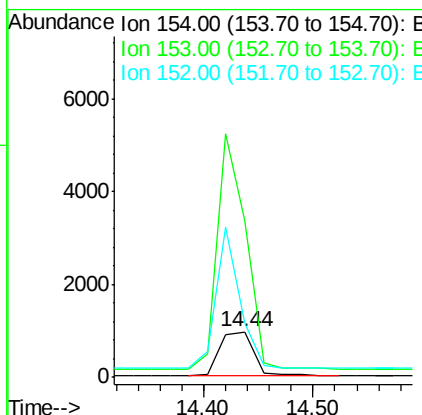
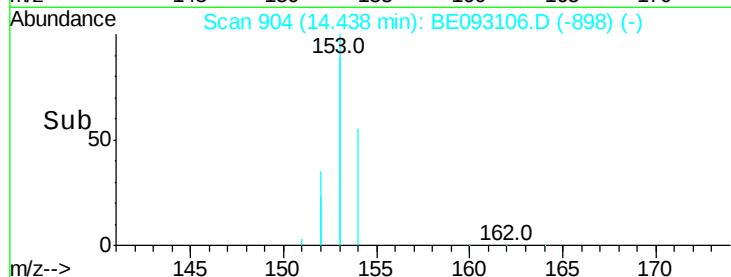
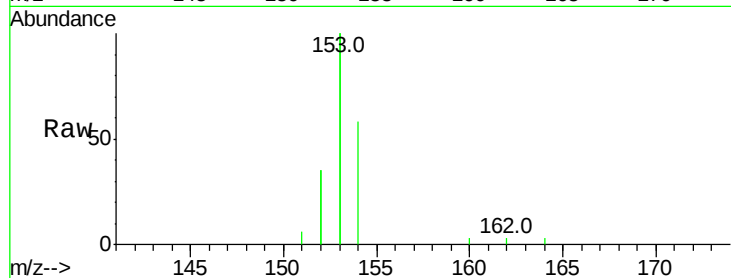




#17
Acenaphthene
Concen: 0.42 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

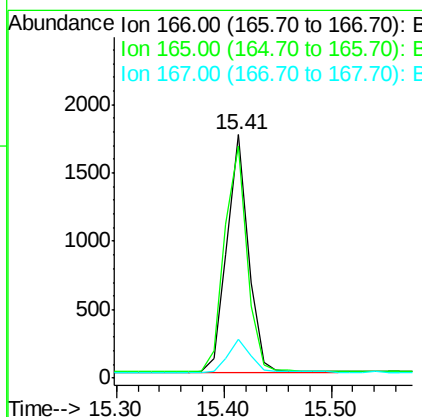
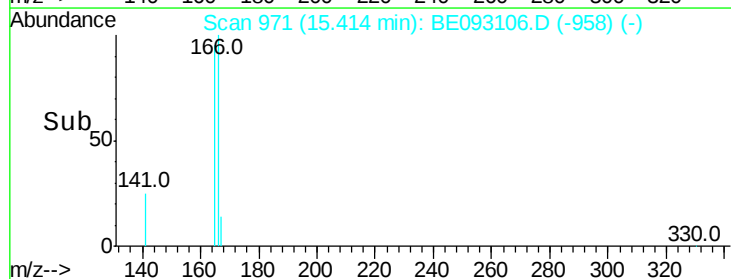
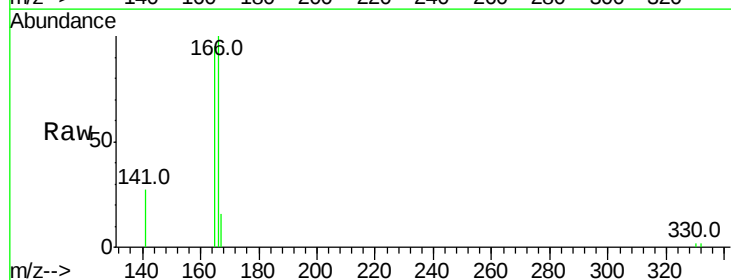
Instrument :
BNA_E
ClientSampleId :

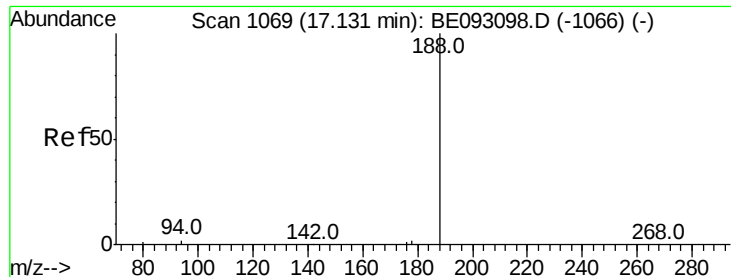
Tot Ion:154 Resp: 1980
Ion Ratio Lower Upper
154 100
153 452.5 367.8 551.6
152 233.3 188.2 282.2



#18
Fluorene
Concen: 0.43 ng
RT: 15.41 min Scan# 971
Delta R.T. -0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

Tgt Ion:166 Resp: 2409
Ion Ratio Lower Upper
166 100
165 100.2 78.6 117.8
167 14.0 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampled :

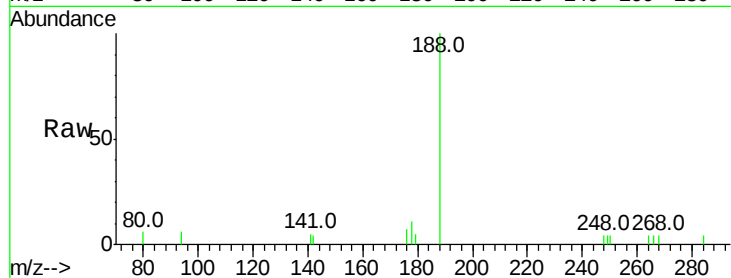
Tot Ion:188 Resp: 2813

Ion Ratio Lower Upper

188 100

94 5.9 11.3 16.9#

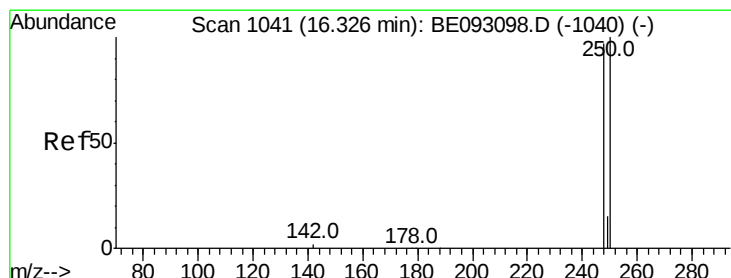
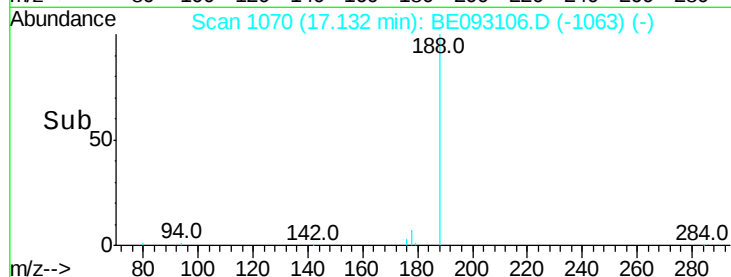
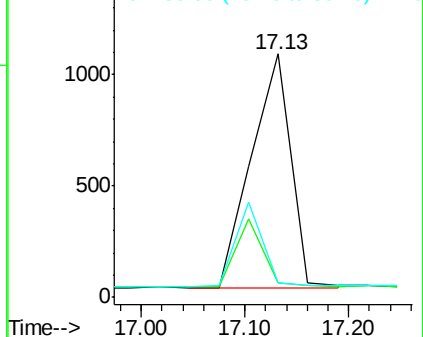
80 5.8 11.7 17.5#



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



#20

4-Bromophenyl-phenylether

Concen: 0.42 ng

RT: 16.33 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

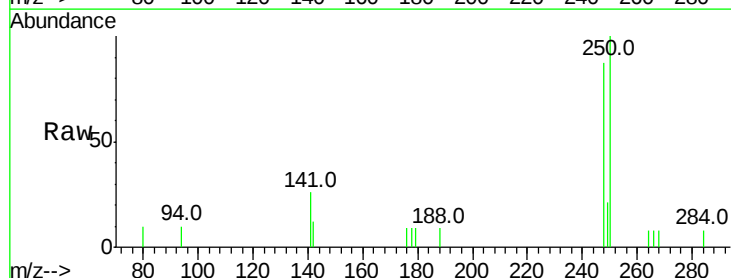
Tgt Ion:248 Resp: 713

Ion Ratio Lower Upper

248 100

250 114.5 100.0 150.0

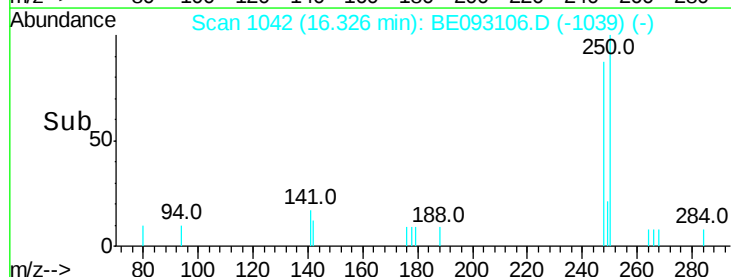
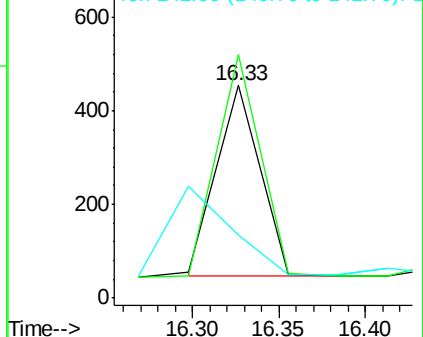
141 29.5 40.0 60.0#

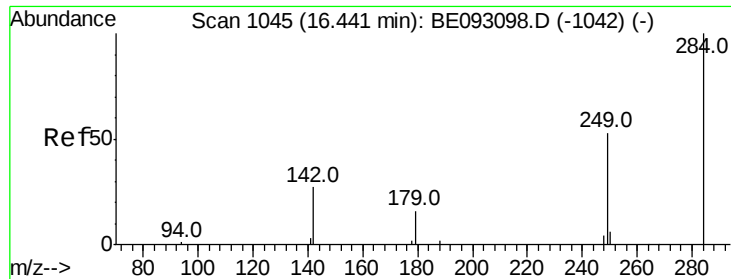


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.51 ng

RT: 16.44 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

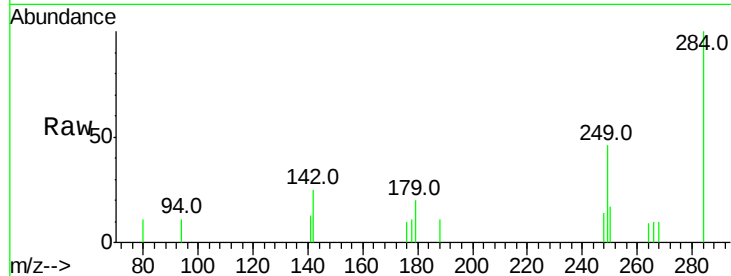
Tot Ion:284 Resp: 765

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

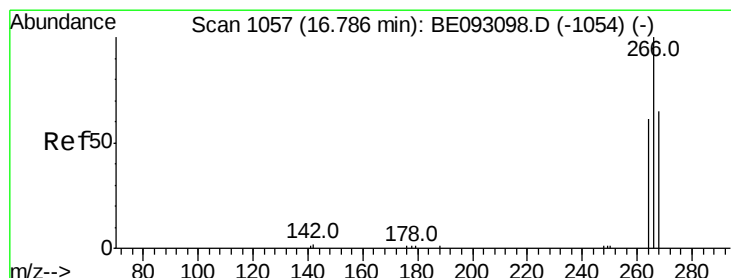
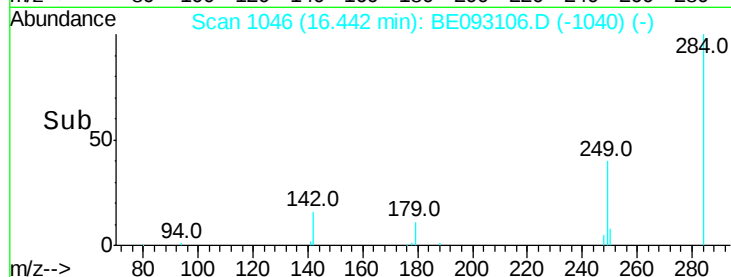
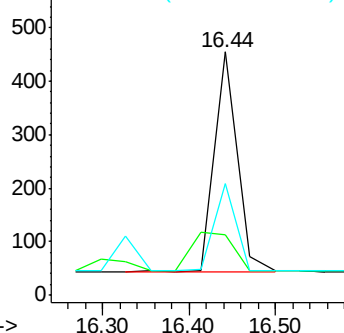
249 37.5 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.40 ng

RT: 16.79 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

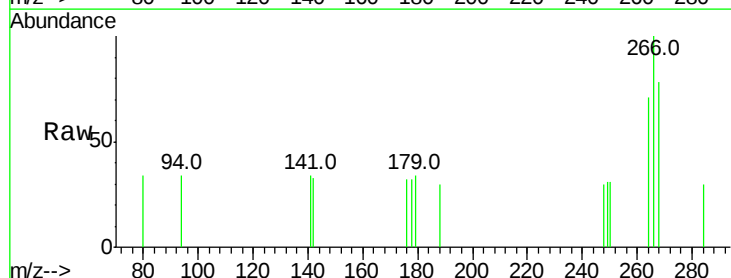
Tgt Ion:266 Resp: 192

Ion Ratio Lower Upper

266 100

264 71.2 58.2 87.2

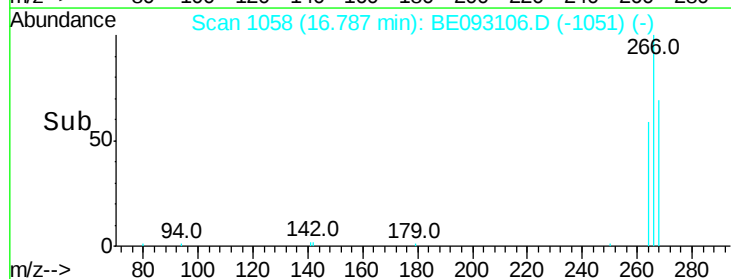
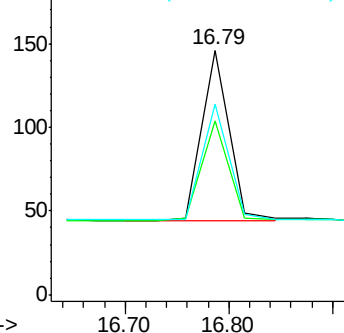
268 78.1 71.9 107.9

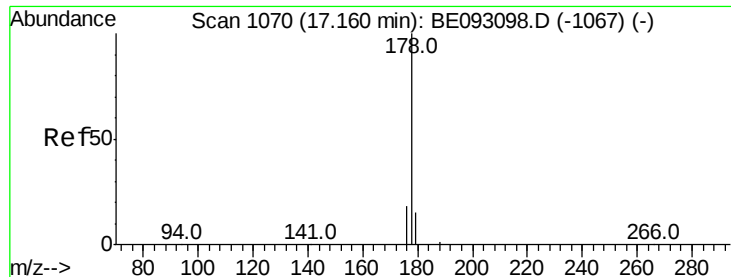


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.43 ng

RT: 17.16 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

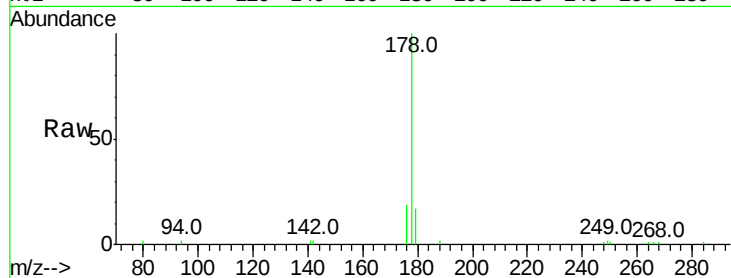
Tot Ion:178 Resp: 5434

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

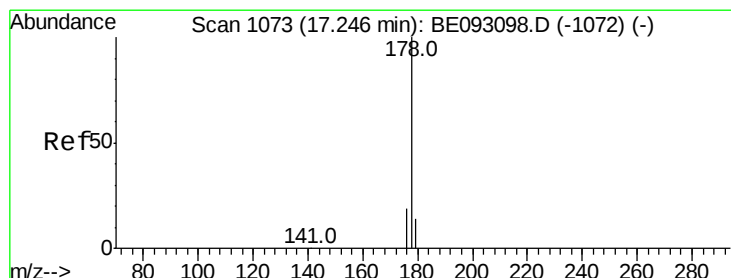
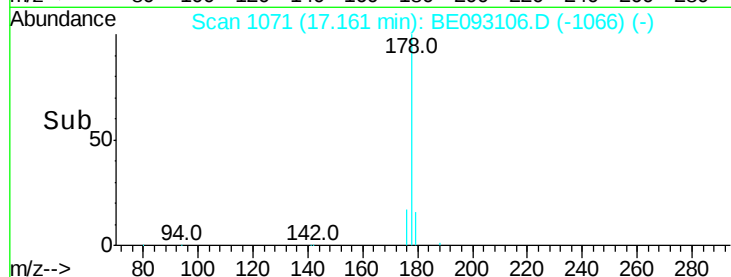
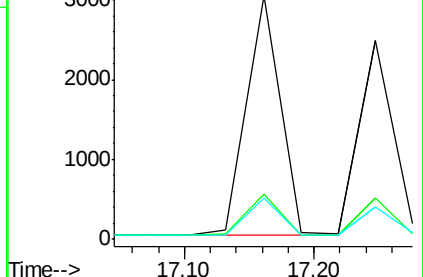
179 15.8 12.7 19.1



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



#24

Anthracene

Concen: 0.42 ng

RT: 17.25 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

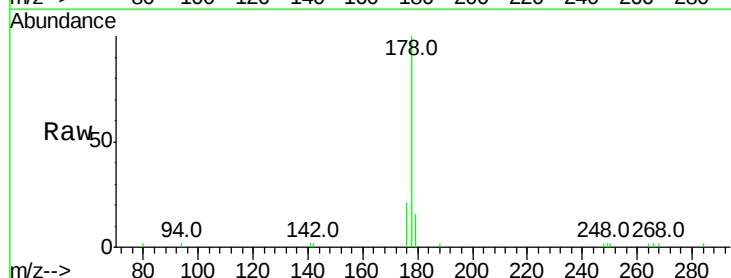
Tgt Ion:178 Resp: 4490

Ion Ratio Lower Upper

178 100

176 18.9 14.6 22.0

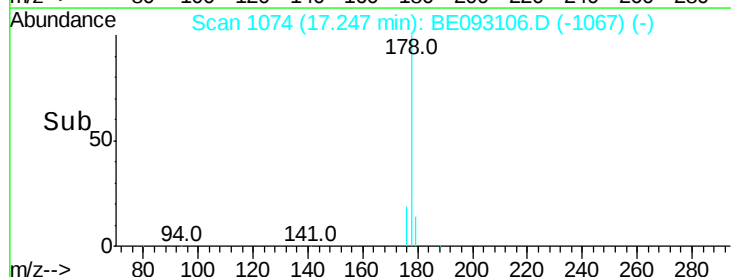
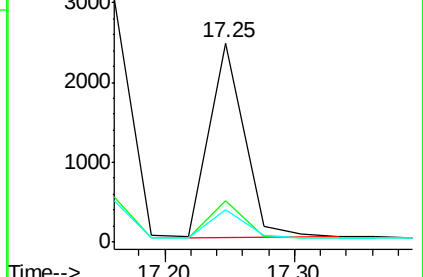
179 14.6 12.0 18.0

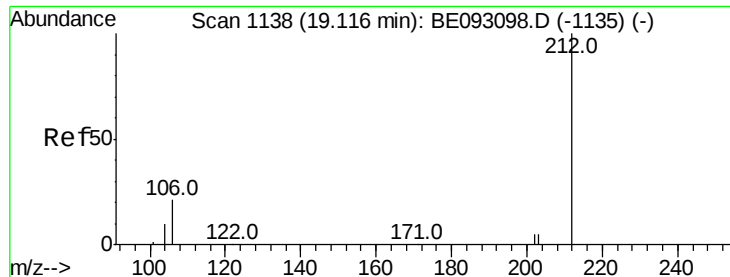


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.43 ng

RT: 19.11 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

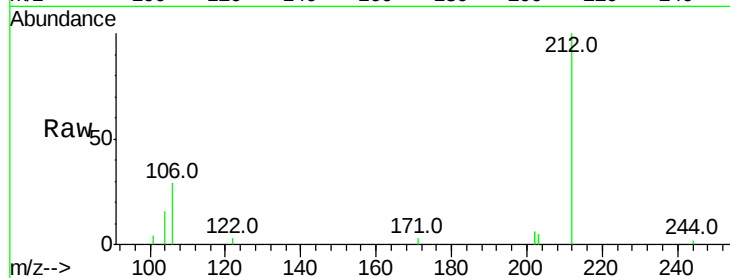
Tot Ion:212 Resp: 3968

Ion Ratio Lower Upper

212 100

106 18.3 0.0 0.0#

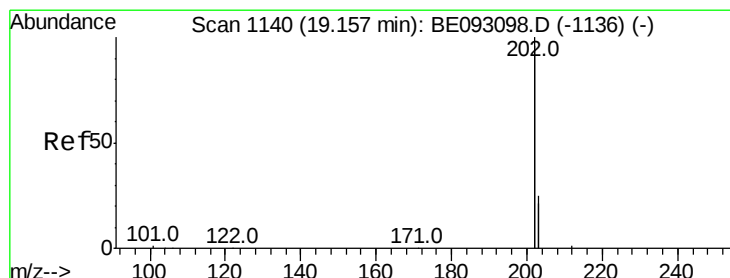
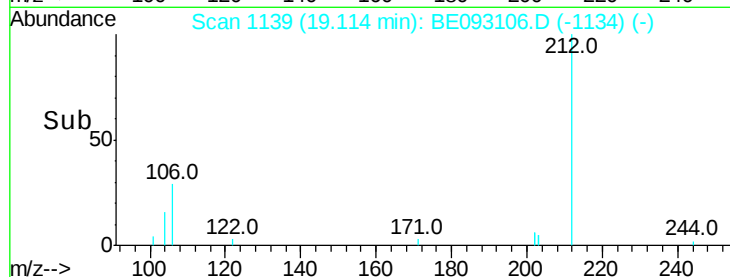
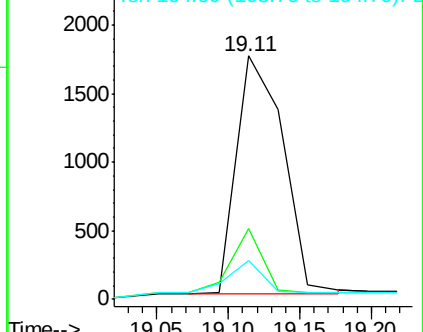
104 9.8 0.0 0.0#



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: 0.43 ng

RT: 19.16 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

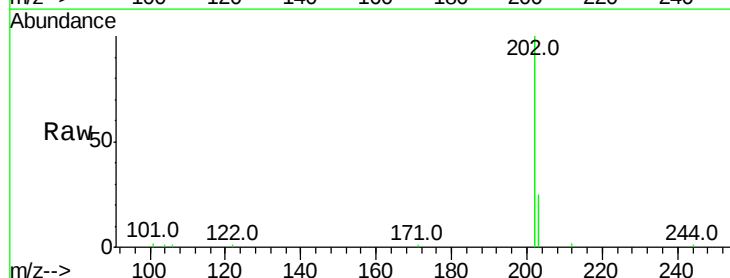
Tgt Ion:202 Resp: 19785

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

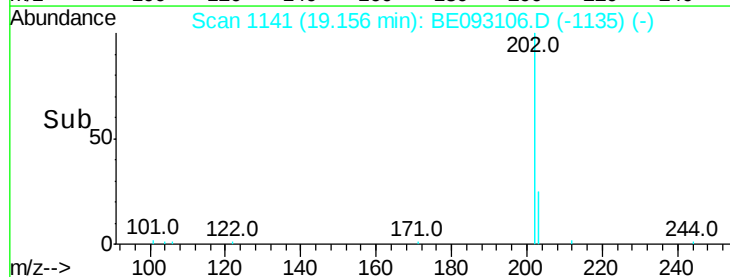
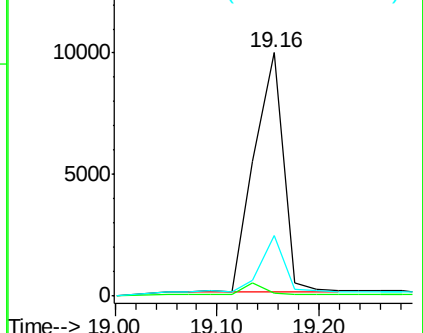
203 18.4 14.4 21.6

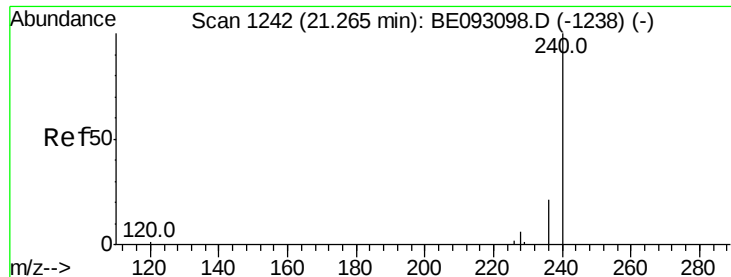


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

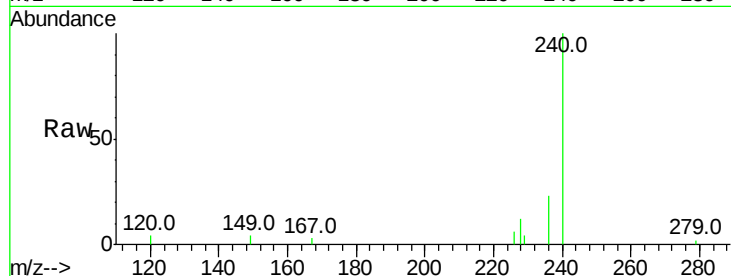




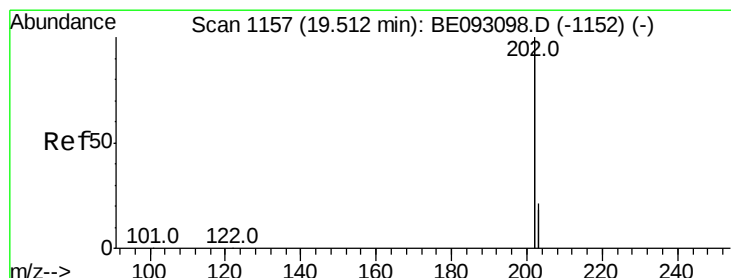
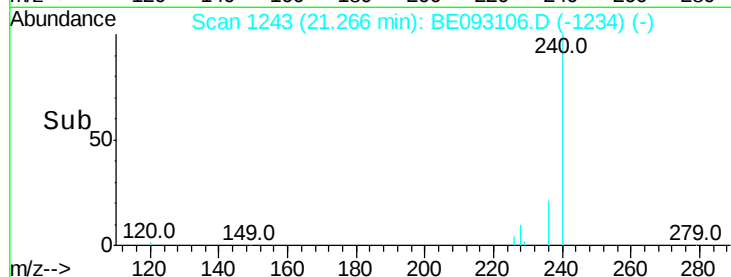
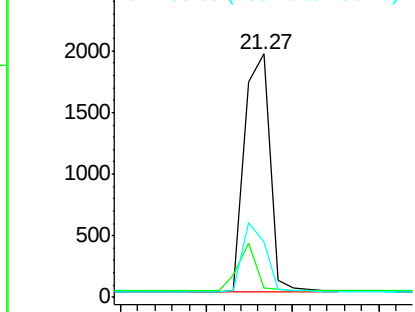
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.27 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 3968
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 22.7 20.8 31.2

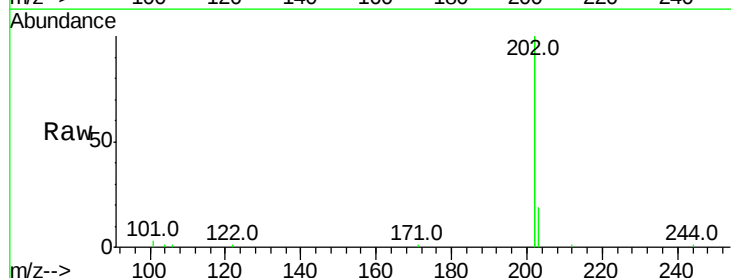


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

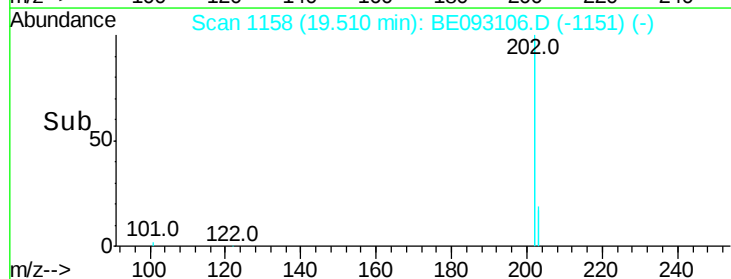
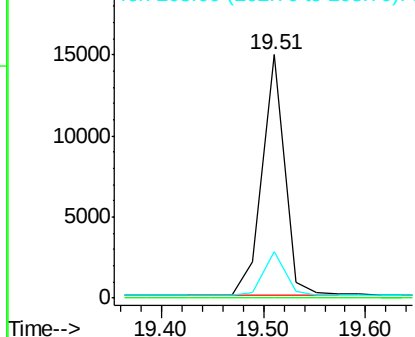


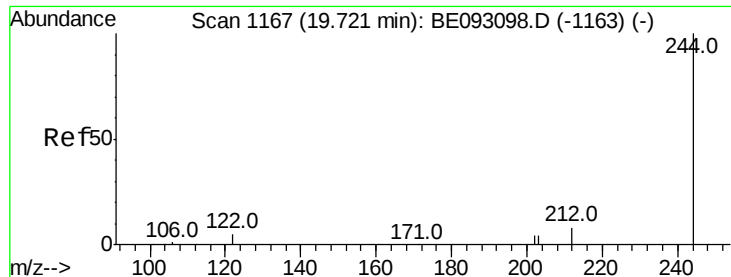
#28
Pyrene
Concen: 0.46 ng
RT: 19.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

Tgt Ion:202 Resp: 22401
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 17.8 13.7 20.5



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





#29

Terphenyl-d14

Concen: 0.45 ng

RT: 19.72 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

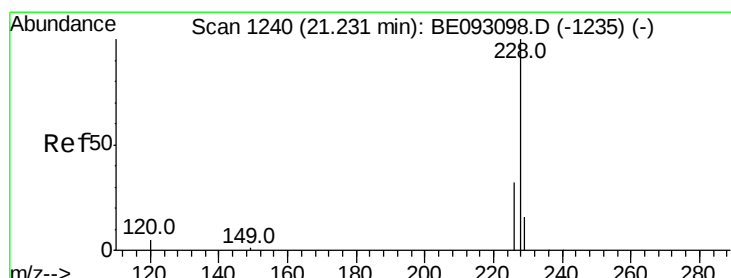
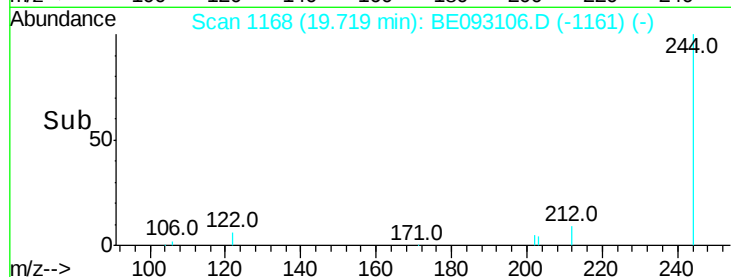
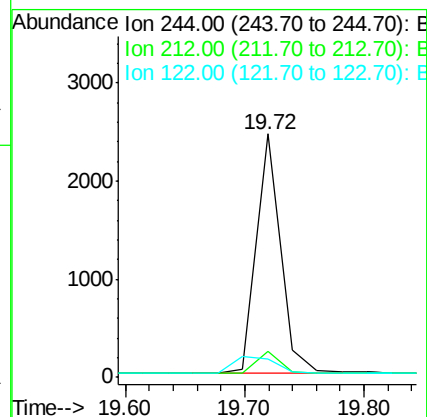
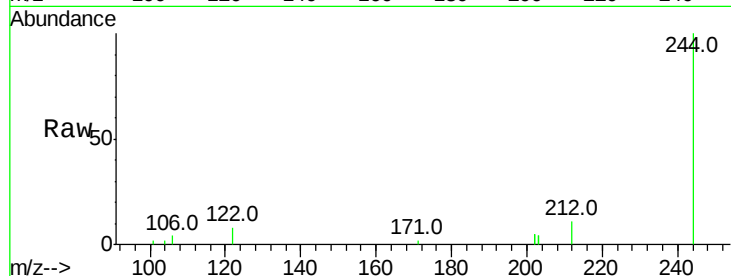
Tot Ion:244 Resp: 3439

Ion Ratio Lower Upper

244 100

212 10.6 10.6 16.0#

122 7.8 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.40 ng

RT: 21.23 min Scan# 1241

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

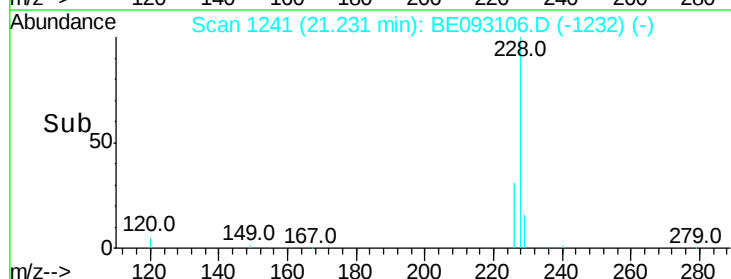
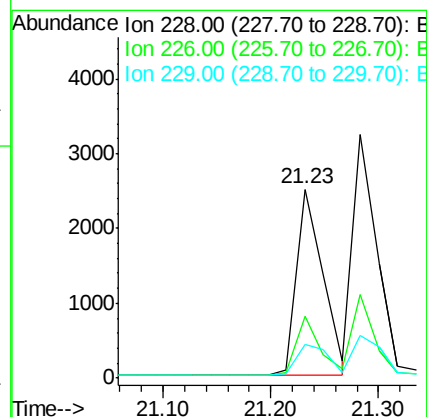
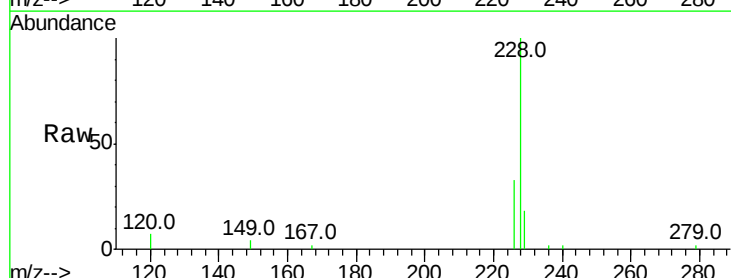
Tgt Ion:228 Resp: 4237

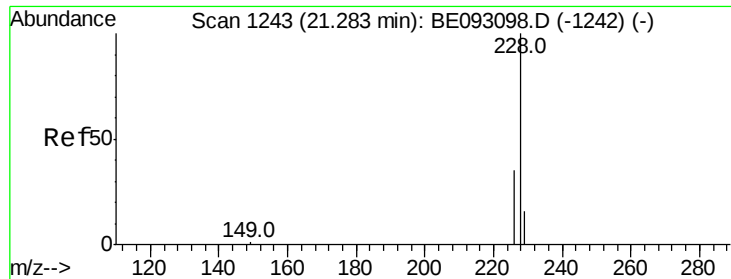
Ion Ratio Lower Upper

228 100

226 32.7 19.7 29.5#

229 17.9 19.2 28.8#





#31

Chrysene

Concen: 0.44 ng

RT: 21.28 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

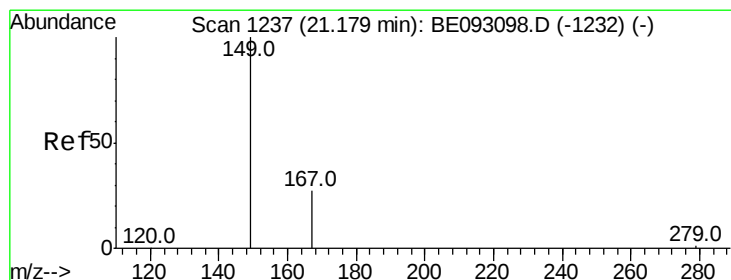
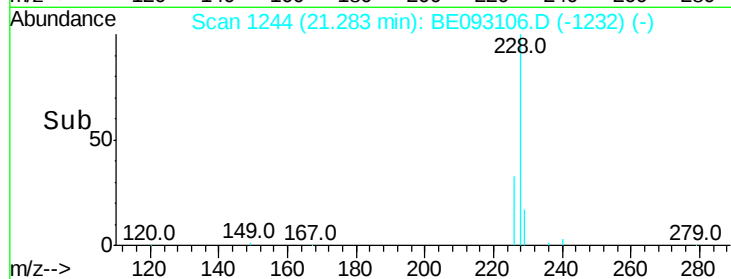
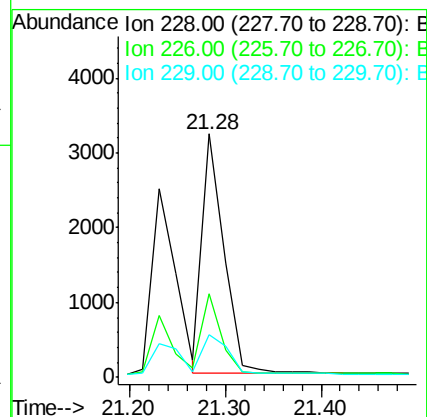
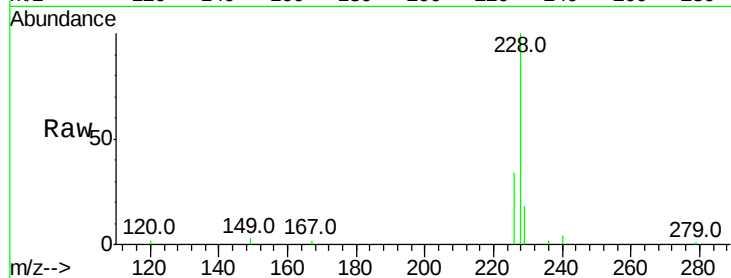
Tot Ion:228 Resp: 5072

Ion Ratio Lower Upper

228 100

226 34.1 21.5 32.3#

229 17.6 18.6 28.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 21.18 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

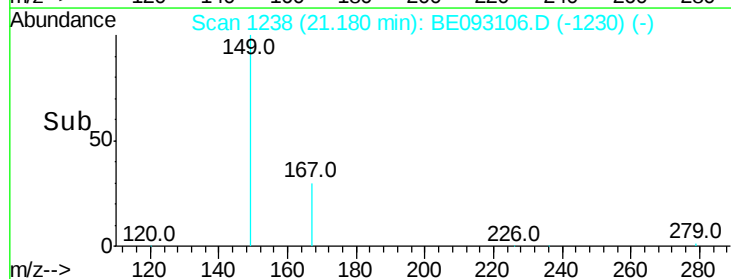
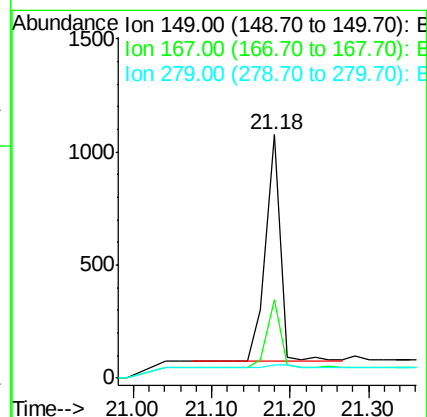
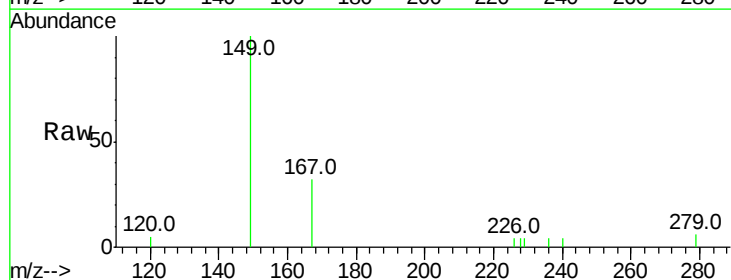
Tgt Ion:149 Resp: 1352

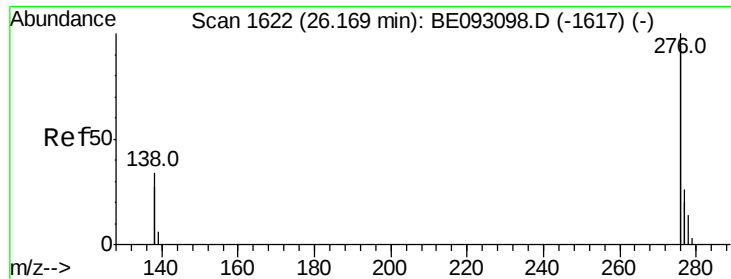
Ion Ratio Lower Upper

149 100

167 27.1 20.1 30.1

279 2.3 2.2 3.4





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng

RT: 26.17 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

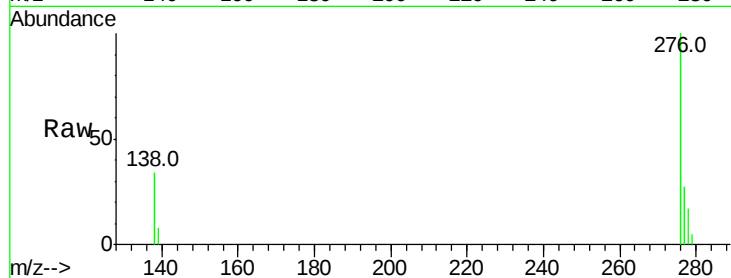
Tot Ion:276 Resp: 15892

Ion Ratio Lower Upper

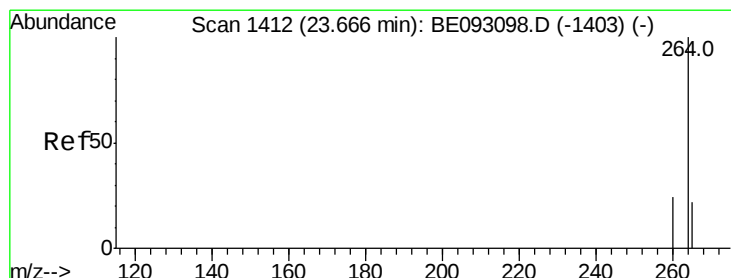
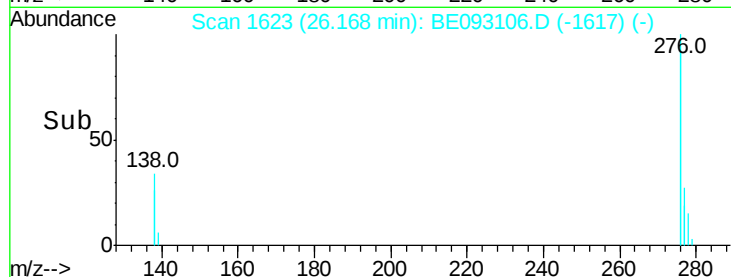
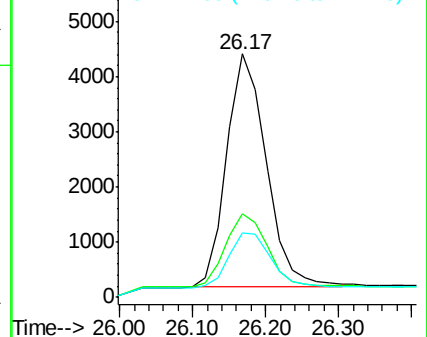
276 100

138 32.7 27.4 41.2

277 25.2 20.1 30.1



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



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.67 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

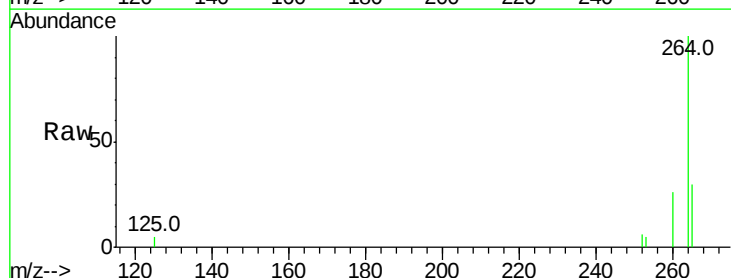
Tgt Ion:264 Resp: 3031

Ion Ratio Lower Upper

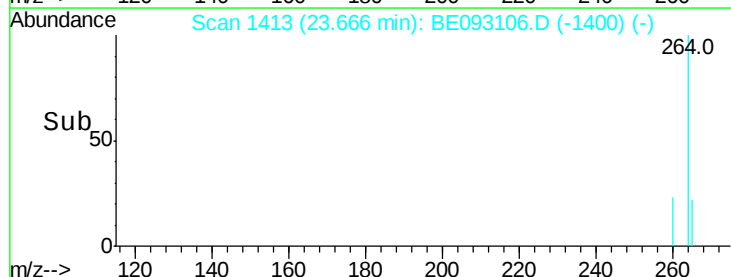
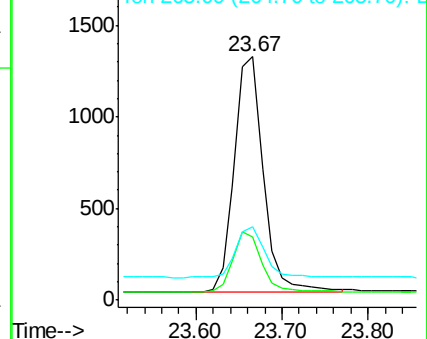
264 100

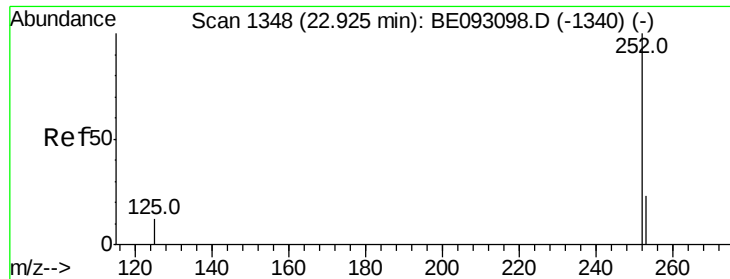
260 26.0 21.0 31.4

265 30.4 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.45 ng

RT: 22.93 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :

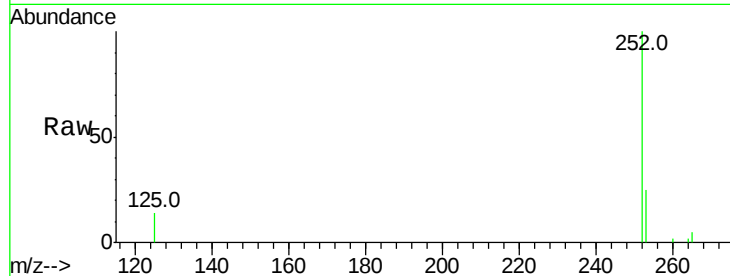
Tot Ion:252 Resp: 4415

Ion Ratio Lower Upper

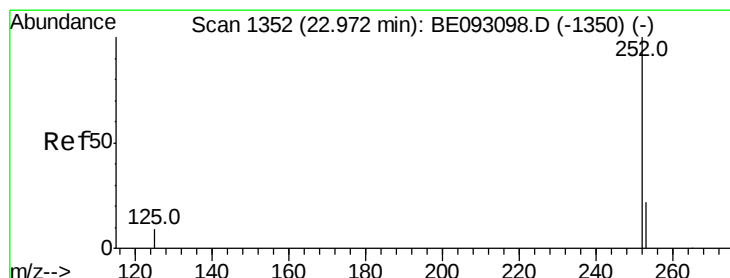
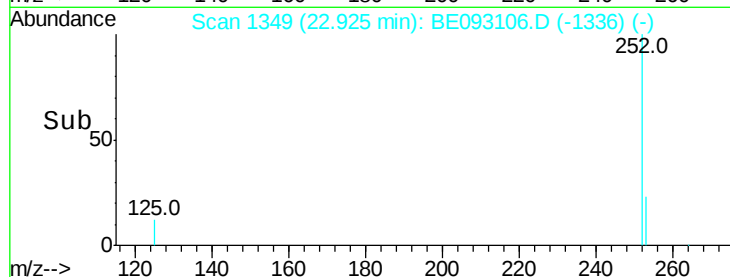
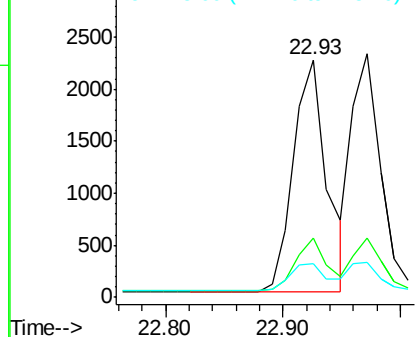
252 100

253 24.7 18.5 27.7

125 14.3 13.4 20.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.42 ng

RT: 22.97 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

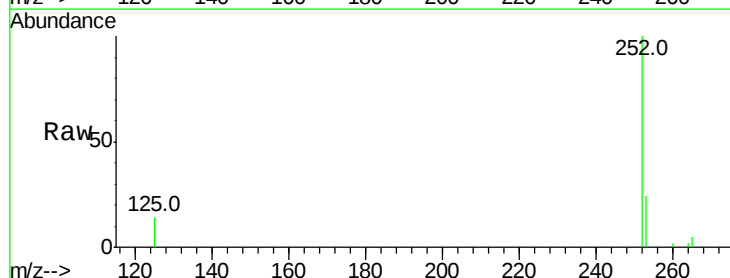
Tgt Ion:252 Resp: 3941

Ion Ratio Lower Upper

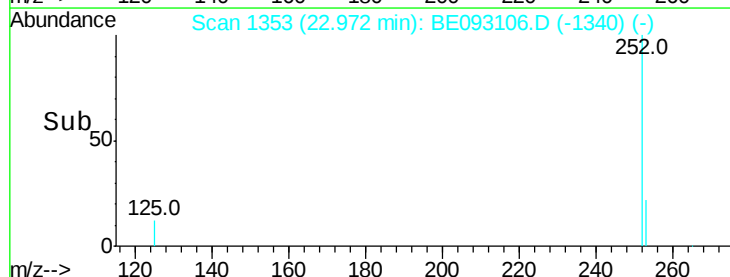
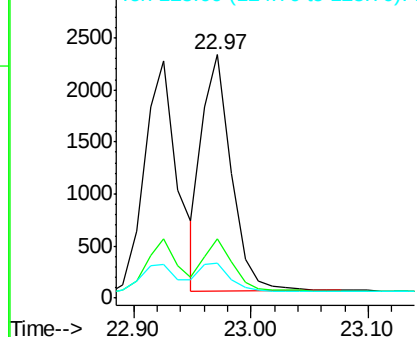
252 100

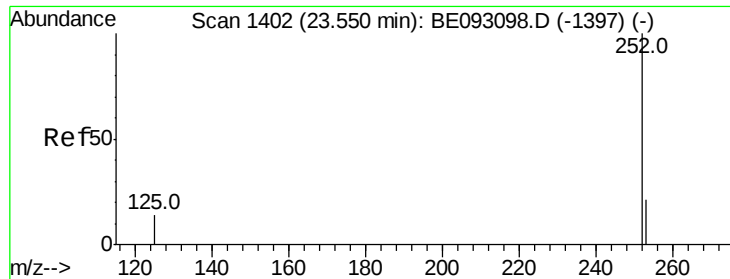
253 24.3 20.3 30.5

125 14.5 12.2 18.4



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

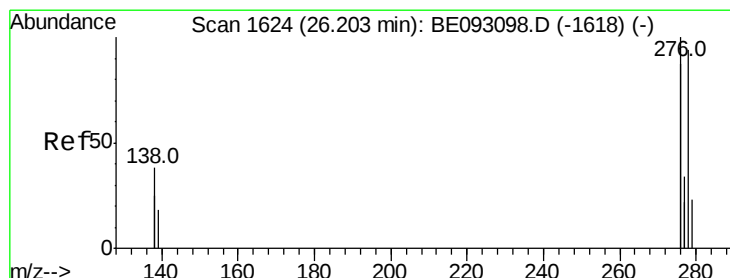
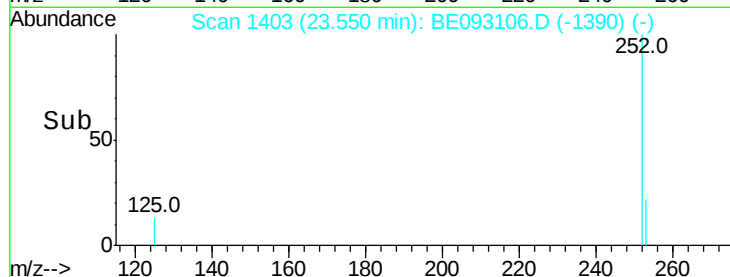
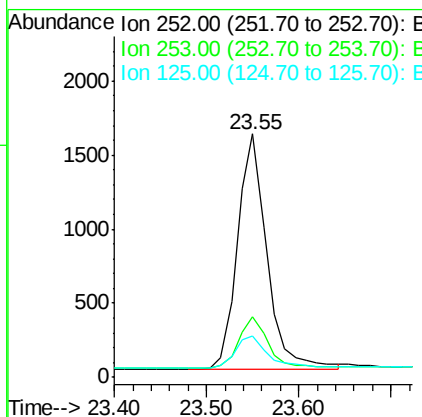
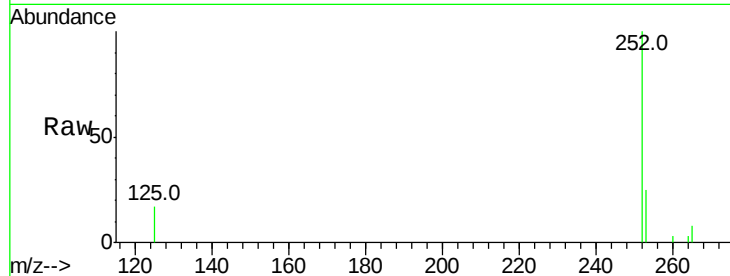




#37
Benzo(a)pyrene
Concen: 0.41 ng
RT: 23.55 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

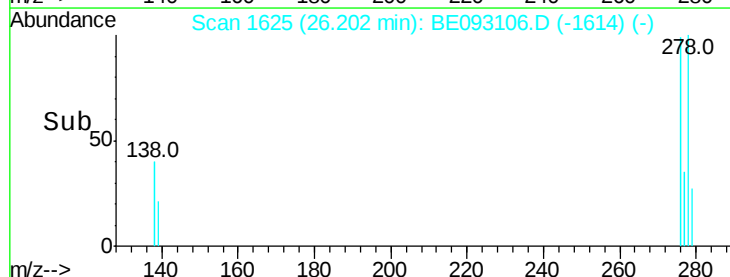
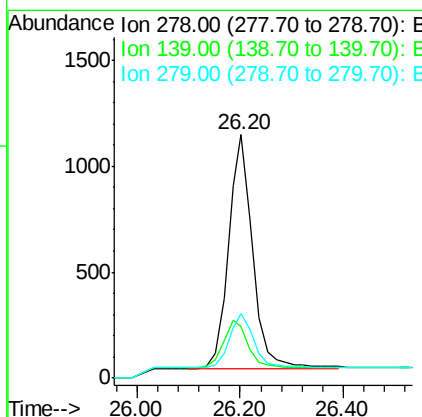
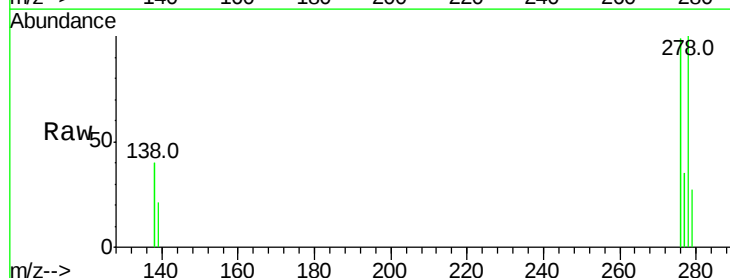
Instrument :
BNA_E
ClientSampleId :

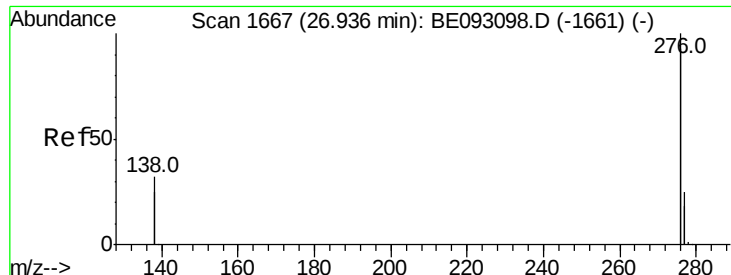
Tot Ion:252 Resp: 3492
Ion Ratio Lower Upper
252 100
253 24.9 19.9 29.9
125 16.9 14.6 21.8



#38
Dibenzo(a,h)anthracene
Concen: 0.41 ng
RT: 26.20 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE093106.D
Acq: 12 Jun 2017 17:53

Tgt Ion:278 Resp: 3640
Ion Ratio Lower Upper
278 100
139 21.3 21.4 32.0#
279 26.5 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.42 ng

RT: 26.94 min Scan# 1668

Delta R.T. -0.00 min

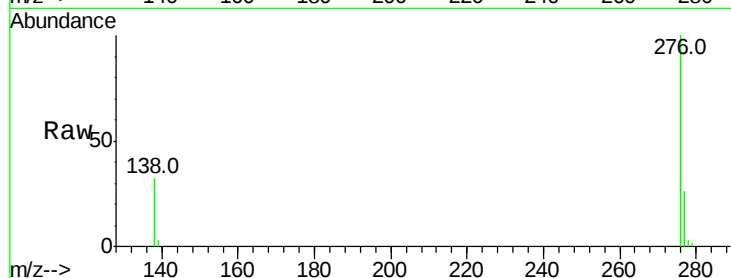
Lab File: BE093106.D

Acq: 12 Jun 2017 17:53

Instrument :

BNA_E

ClientSampleId :



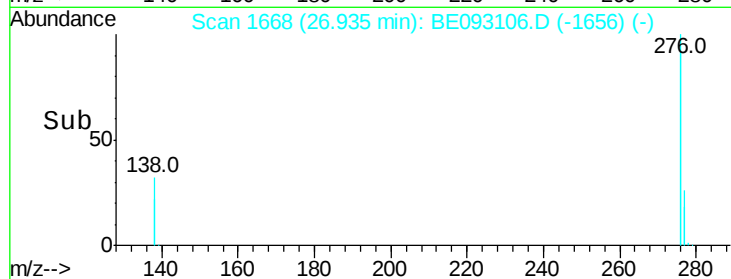
Tot Ion: 276 Resp: 15025

Ion Ratio Lower Upper

276 100

277 26.4 21.2 31.8

138 31.6 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

