

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093109.D
 Acq On : 12 Jun 2017 19:43
 Operator : SJ/MA
 Sample : PB99586BD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:11:38 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	661	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	2771	0.40	ng	0.00
13) Acenaphthene-d10	14.37	164	1183	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2159	0.40	ng	0.00
27) Chrysene-d12	21.27	240	2525	0.40	ng	0.00
34) Perylene-d12	23.67	264	1899	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	737	0.38	ng	0.00
5) Phenol-d6	6.90	99	978	0.34	ng	0.00
8) Nitrobenzene-d5	8.88	82	839	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1381	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	84	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	1997	0.40	ng	0.00
25) Fluoranthene-d10	19.12	212	2269	0.32	ng	0.00
29) Terphenyl-d14	19.72	244	2014	0.41	ng	0.00

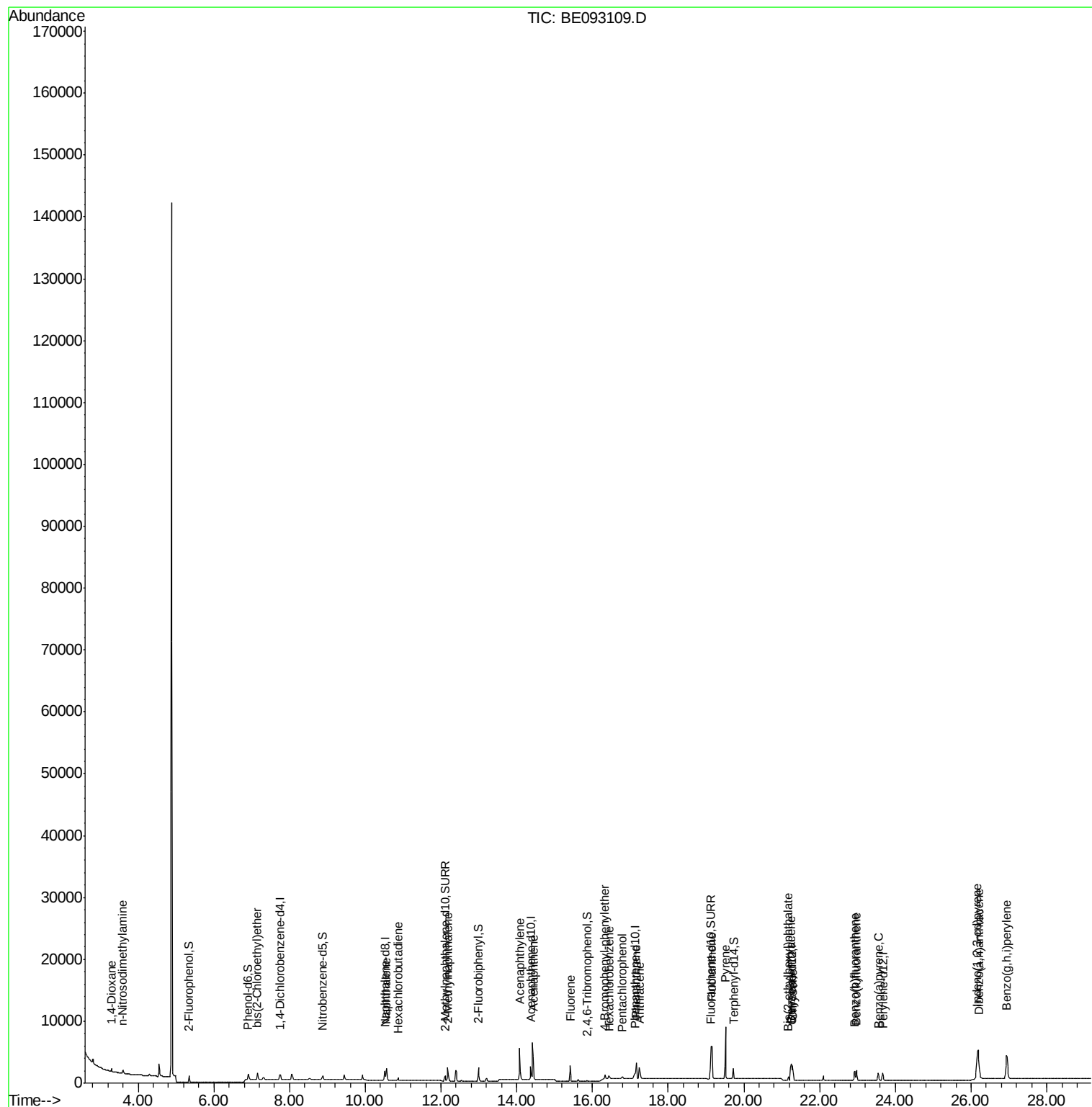
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	364	0.25	ng	# 15
3) n-Nitrosodimethylamine	3.59	42	443	0.35	ng	100
6) bis(2-Chloroethyl)ether	7.15	93	897	0.36	ng	# 98
9) Naphthalene	10.56	128	2580	0.35	ng	98
10) Hexachlorobutadiene	10.87	225	352	0.35	ng	98
12) 2-Methylnaphthalene	12.18	142	1584	0.34	ng	98
16) Acenaphthylene	14.08	152	6821	0.33	ng	100
17) Acenaphthene	14.44	154	1391	0.36	ng	90
18) Fluorene	15.41	166	1536	0.33	ng	100
20) 4-Bromophenyl-phenylether	16.33	248	485	0.37	ng	# 81
21) Hexachlorobenzene	16.44	284	418	0.36	ng	# 100
22) Pentachlorophenol	16.79	266	242	0.65	ng	88
23) Phenanthrene	17.16	178	3383	0.35	ng	99
24) Anthracene	17.25	178	2596	0.31	ng	100
26) Fluoranthene	19.16	202	10761	0.30	ng	# 99
28) Pyrene	19.51	202	11324	0.37	ng	# 97
30) Benzo(a)anthracene	21.23	228	2324	0.34	ng	# 85
31) Chrysene	21.28	228	2634	0.36	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.18	149	652	0.22	ng	# 95
33) Indeno(1,2,3-cd)pyrene	26.17	276	10205	0.38	ng	98
35) Benzo(b)fluoranthene	22.93	252	2402	0.39	ng	96
36) Benzo(k)fluoranthene	22.97	252	2160	0.37	ng	98
37) Benzo(a)pyrene	23.55	252	1980	0.38	ng	96
38) Dibenzo(a,h)anthracene	26.20	278	2241	0.41	ng	96
39) Benzo(g,h,i)perylene	26.94	276	9289	0.42	ng	96

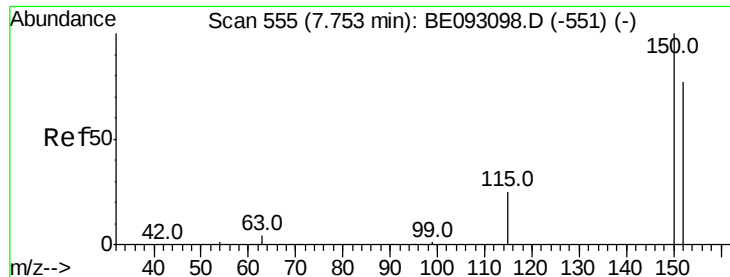
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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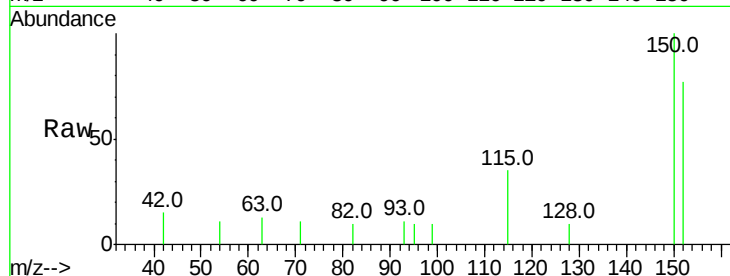


#1

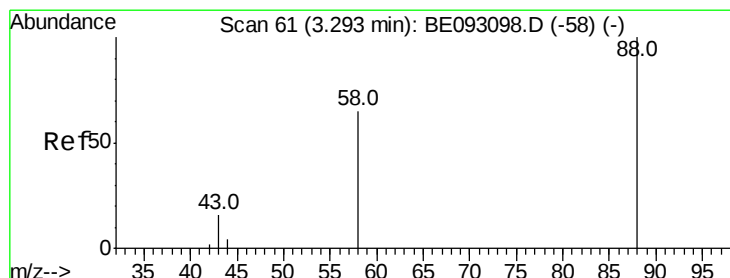
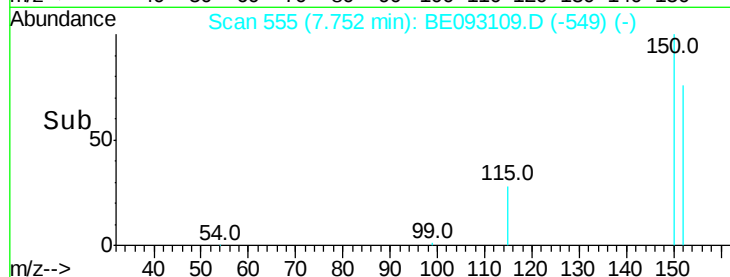
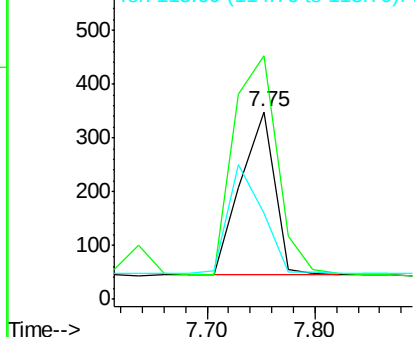
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 661
Ion Ratio Lower Upper
152 100
150 129.8 125.1 187.7
115 45.8 55.7 83.5#



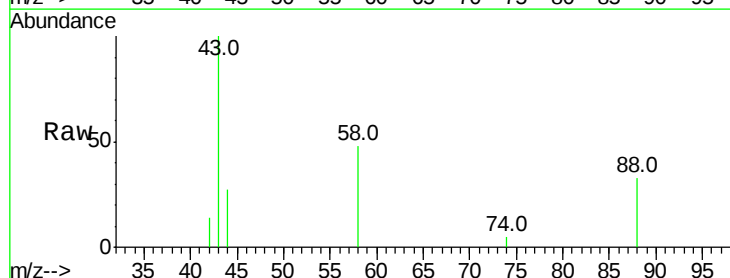
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



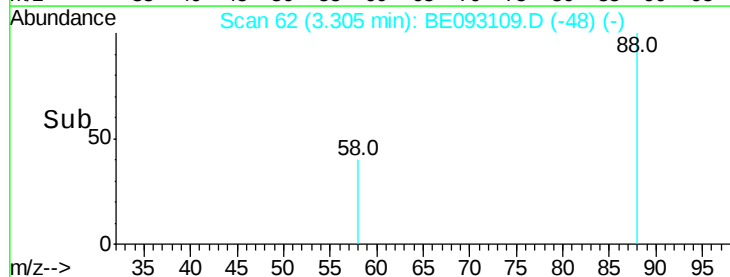
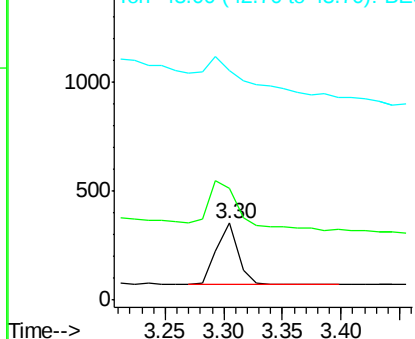
#2

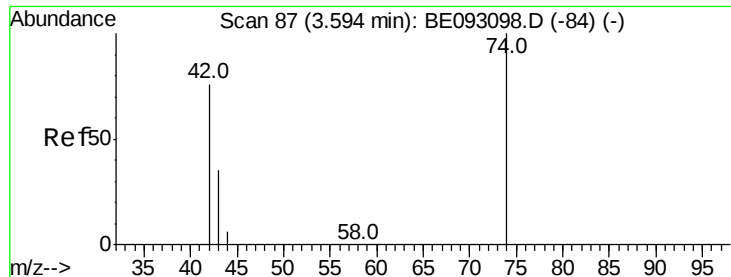
1,4-Dioxane
Concen: 0.25 ng
RT: 3.30 min Scan# 62
Delta R.T. 0.01 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Tgt Ion: 88 Resp: 364
Ion Ratio Lower Upper
88 100
58 112.4 62.2 93.4#
43 139.8 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: 0.35 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

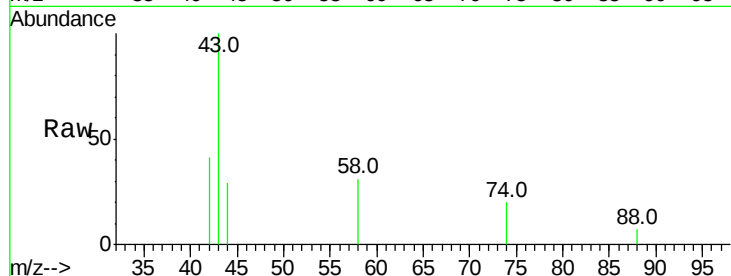
Tot Ion: 42 Resp: 443

Ion Ratio Lower Upper

42 100

74 124.4 99.1 148.7

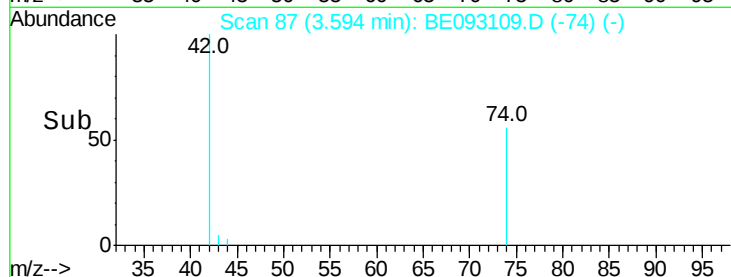
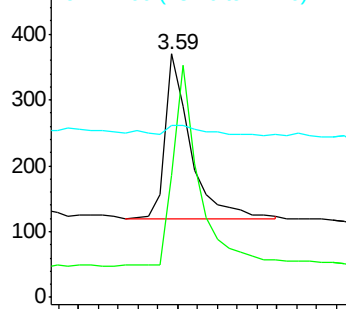
44 9.0 7.4 11.2



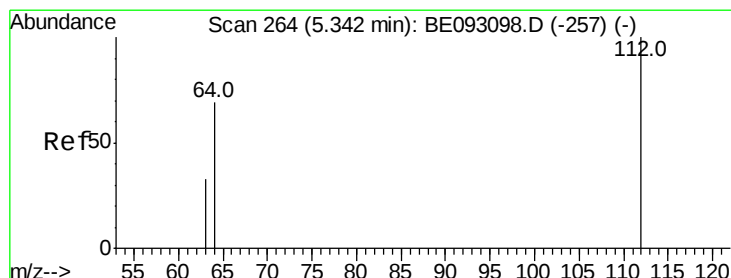
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.38 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

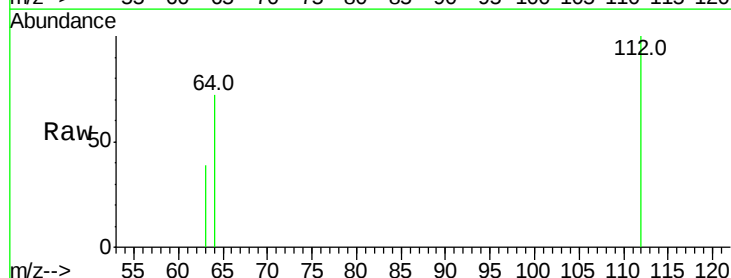
Tgt Ion: 112 Resp: 737

Ion Ratio Lower Upper

112 100

64 70.4 56.4 84.6

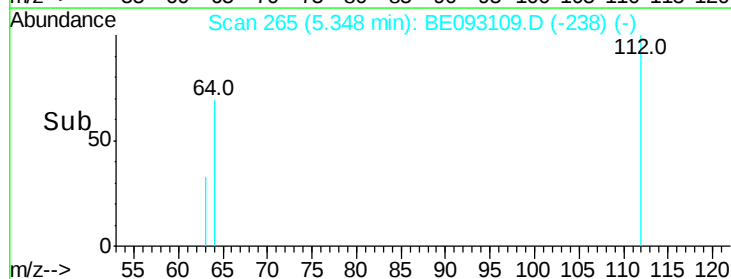
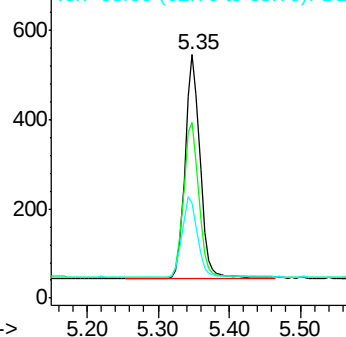
63 36.9 29.3 43.9



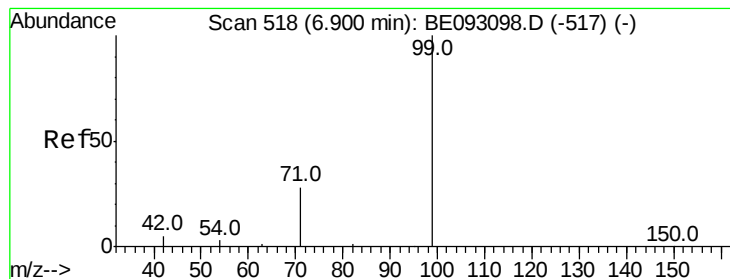
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.34 ng

RT: 6.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

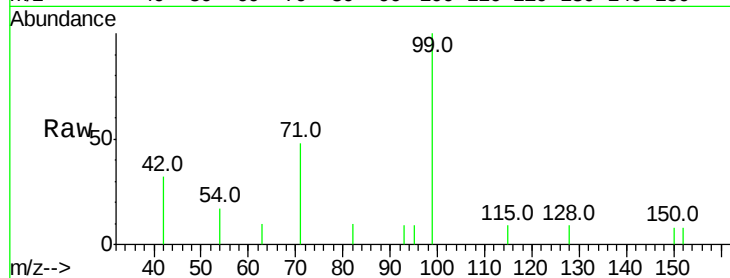
Tot Ion: 99 Resp: 978

Ion Ratio Lower Upper

99 100

42 21.0 0.0 0.0#

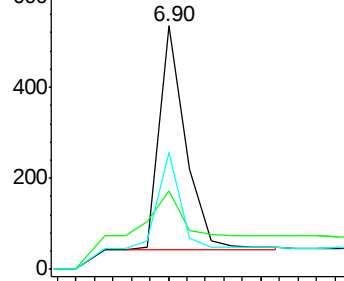
71 35.6 0.0 0.0#



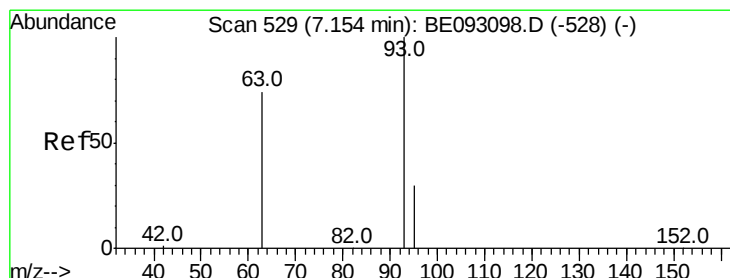
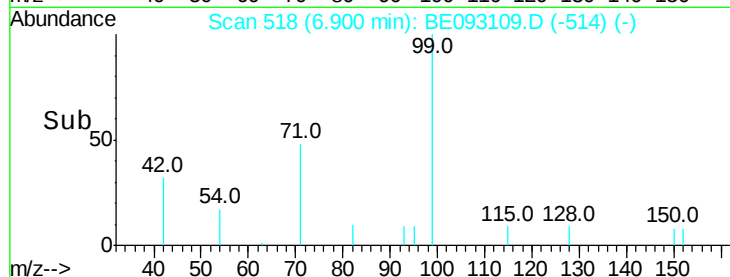
Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.36 ng

RT: 7.15 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

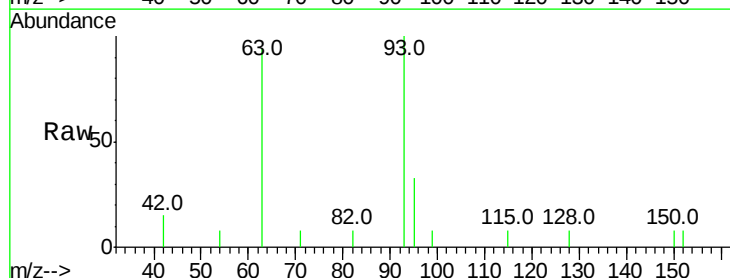
Tgt Ion: 93 Resp: 897

Ion Ratio Lower Upper

93 100

63 87.1 0.0 0.0#

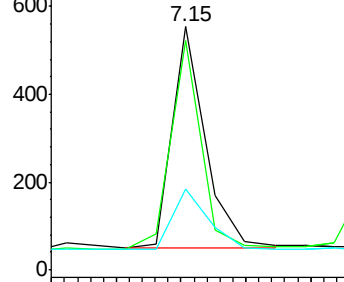
95 30.5 25.4 38.0



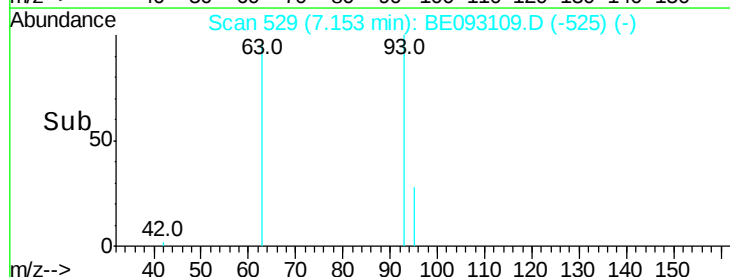
Abundance Ion 93.00 (92.70 to 93.70): BE0

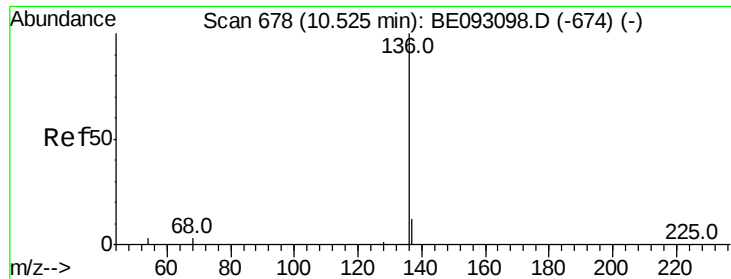
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2771

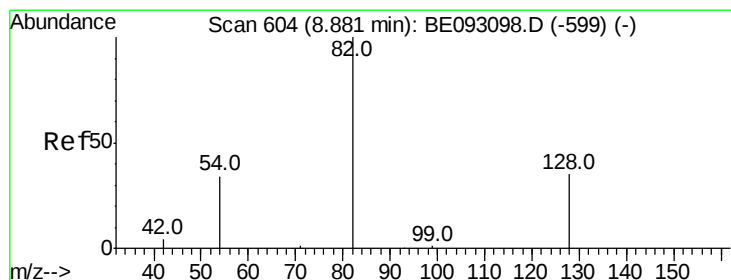
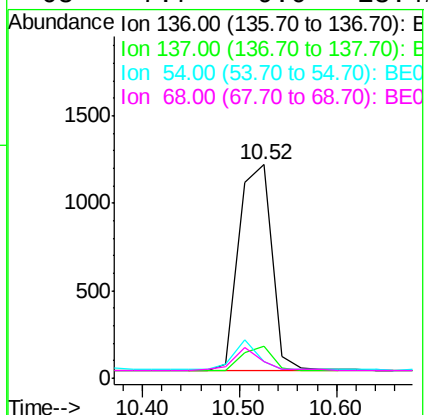
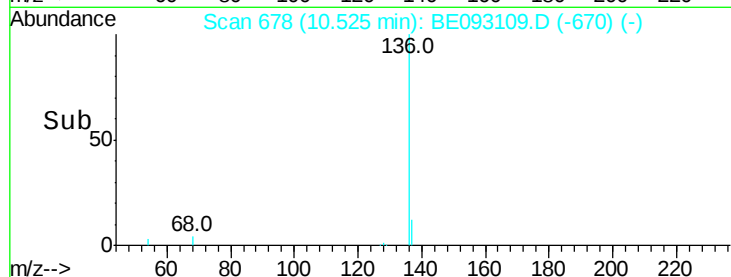
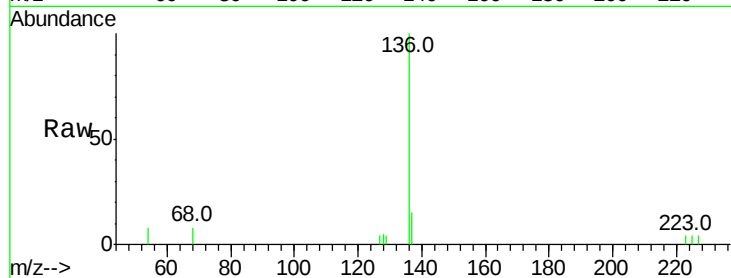
Ion Ratio Lower Upper

136 100

137 15.2 9.8 14.8#

54 7.5 10.3 15.5#

68 7.7 9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.38 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

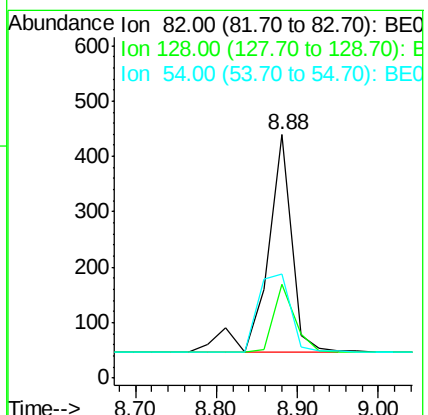
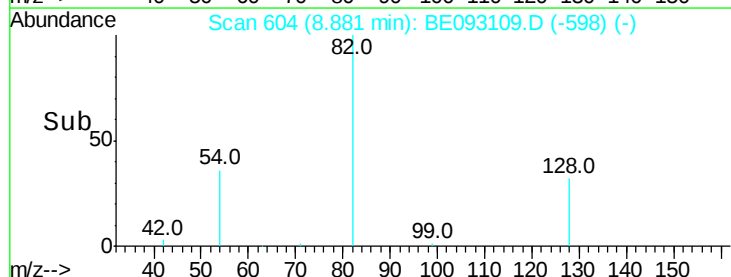
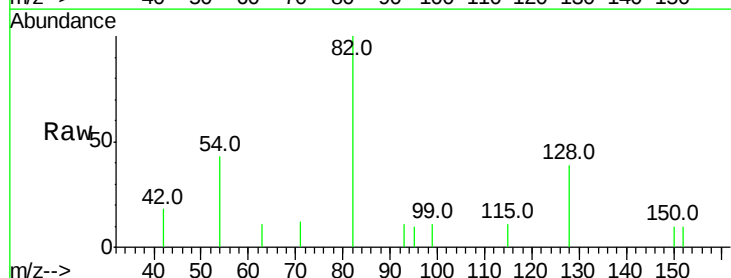
Tgt Ion: 82 Resp: 839

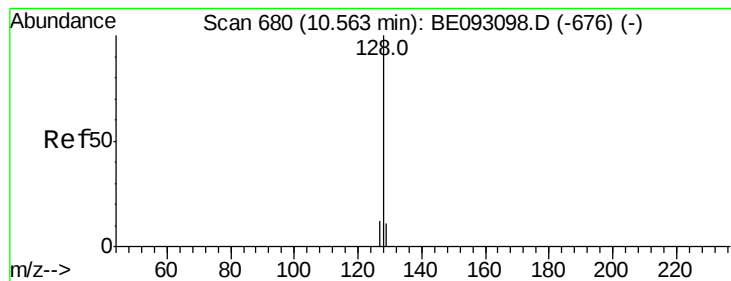
Ion Ratio Lower Upper

82 100

128 38.7 17.0 25.4#

54 42.8 53.8 80.6#





#9

Naphthalene

Concen: 0.35 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

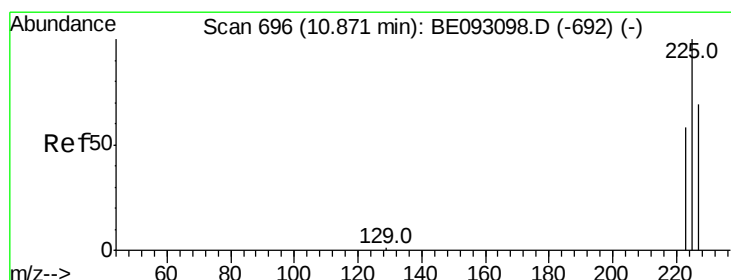
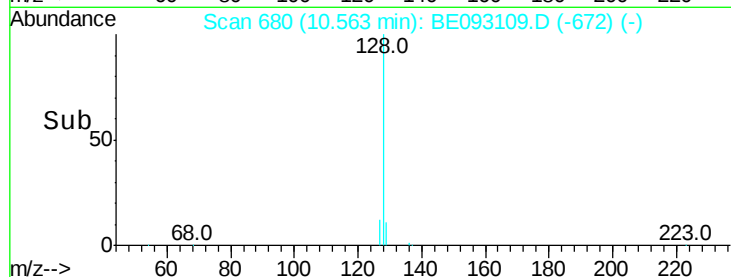
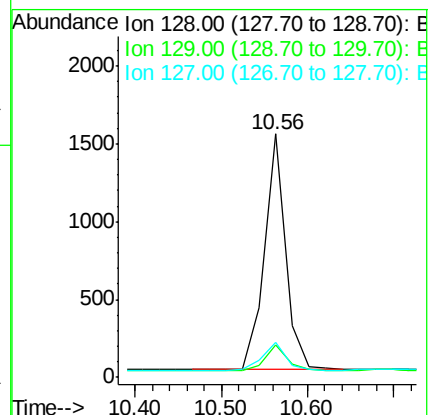
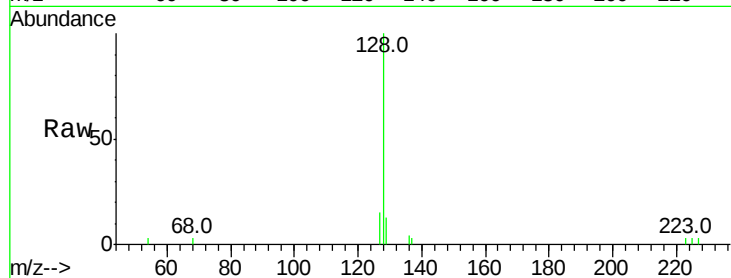
Tot Ion:128 Resp: 2580

Ion Ratio Lower Upper

128 100

129 13.4 11.4 17.0

127 14.5 11.2 16.8



#10

Hexachlorobutadiene

Concen: 0.35 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

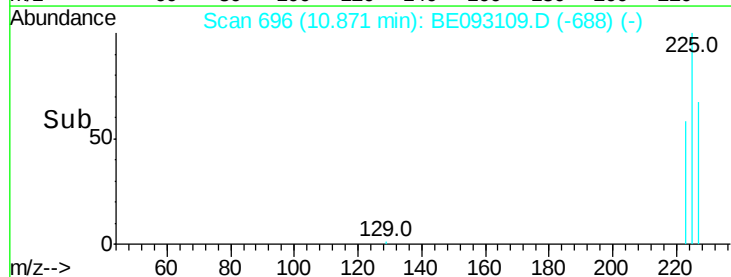
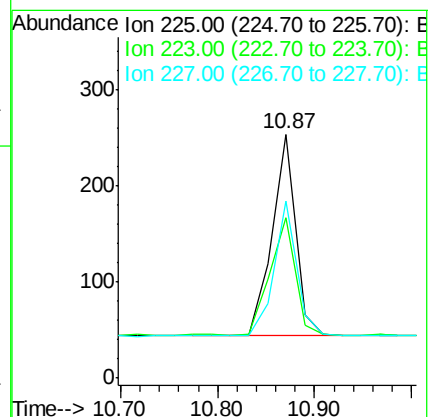
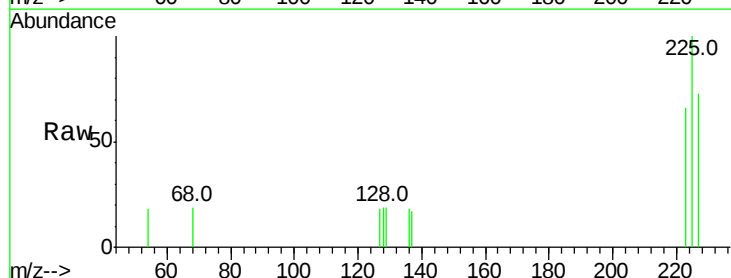
Tgt Ion:225 Resp: 352

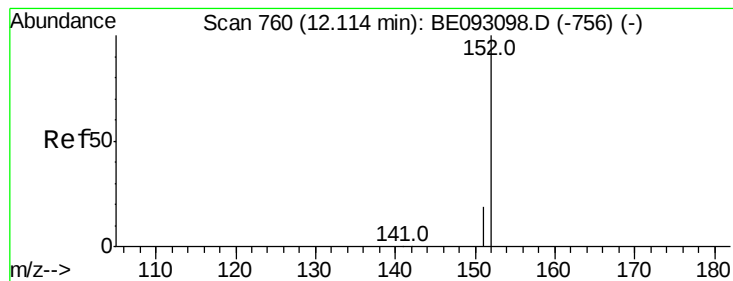
Ion Ratio Lower Upper

225 100

223 63.9 49.7 74.5

227 63.9 50.3 75.5

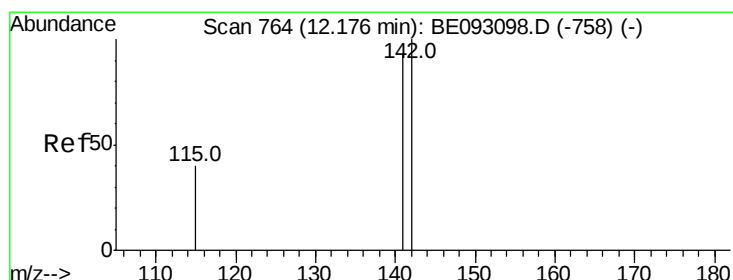
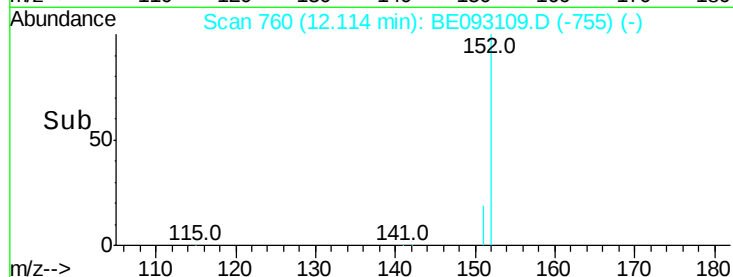
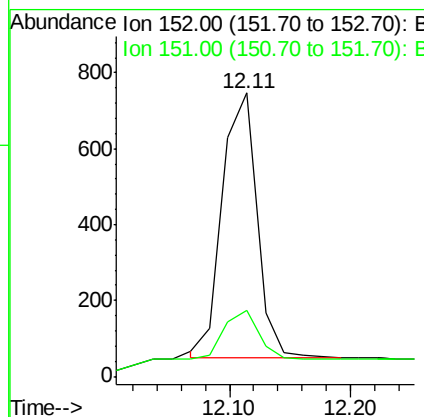
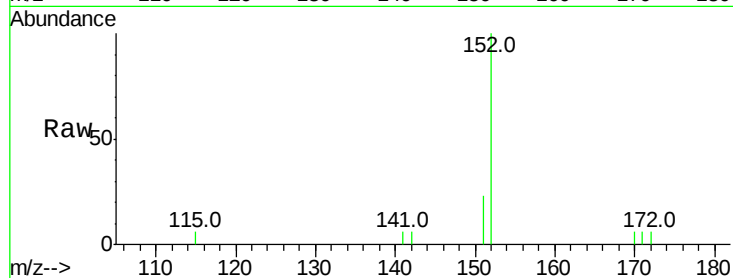




#11
2-Methylnaphthalene-d10
Concen: 0.33 ng
RT: 12.11 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

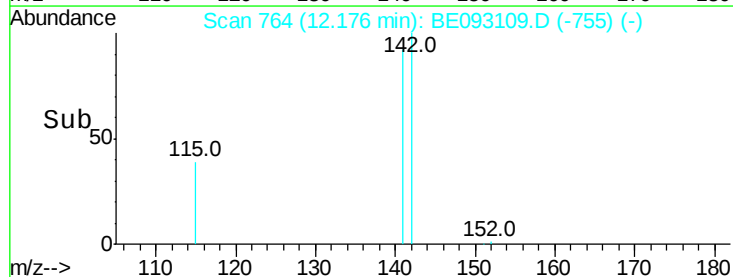
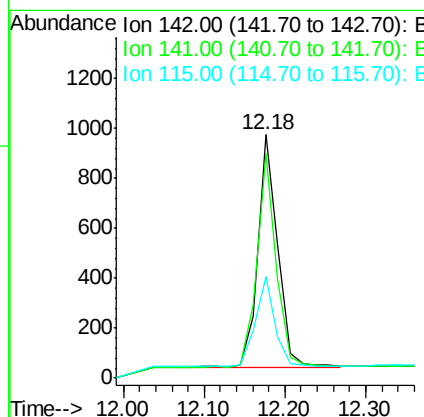
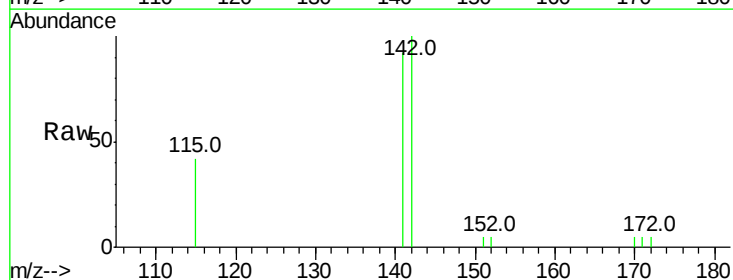
Instrument :
BNA_E
ClientSampleId :

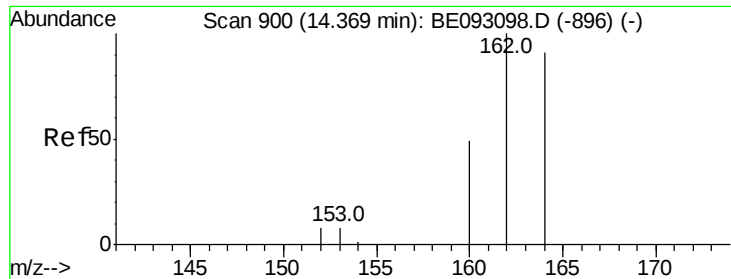
Tot Ion:152 Resp: 1381
Ion Ratio Lower Upper
152 100
151 19.1 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.34 ng
RT: 12.18 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Tgt Ion:142 Resp: 1584
Ion Ratio Lower Upper
142 100
141 92.2 72.6 108.8
115 41.8 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: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

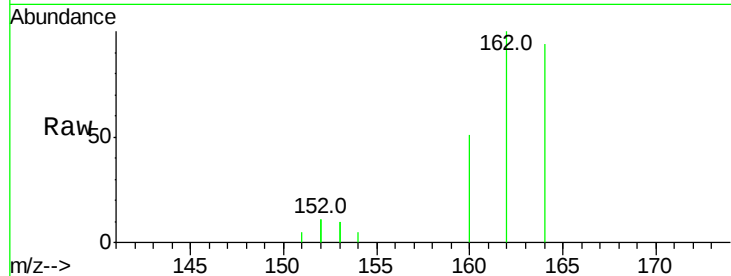
Tot Ion:164 Resp: 1183

Ion Ratio Lower Upper

164 100

162 106.5 84.6 127.0

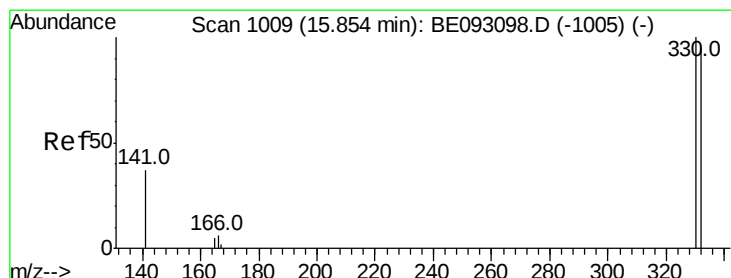
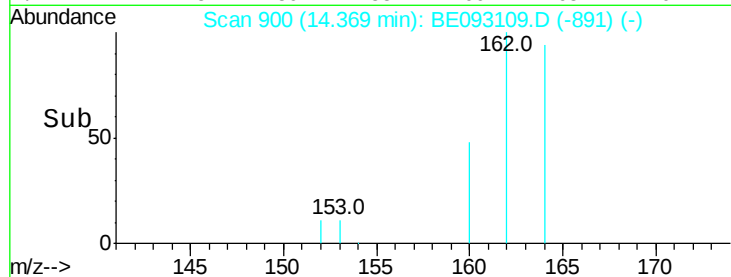
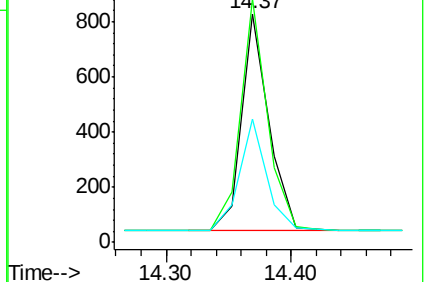
160 54.2 41.8 62.6



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: 0.31 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

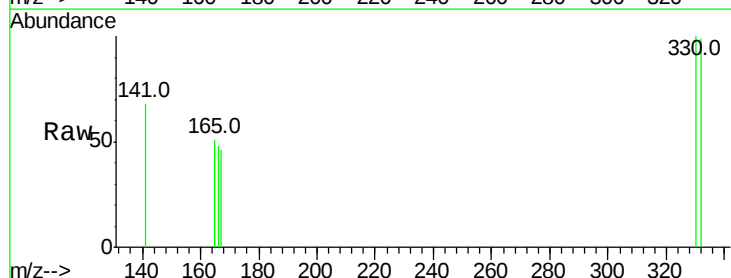
Tgt Ion:330 Resp: 84

Ion Ratio Lower Upper

330 100

332 97.6 77.7 116.5

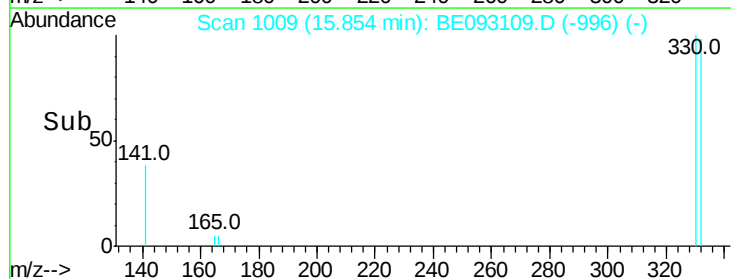
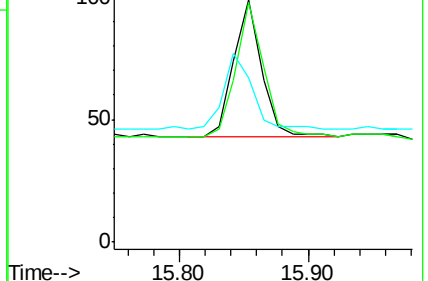
141 58.3 56.2 84.4

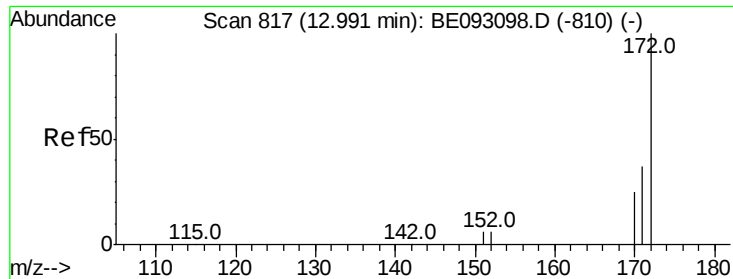


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

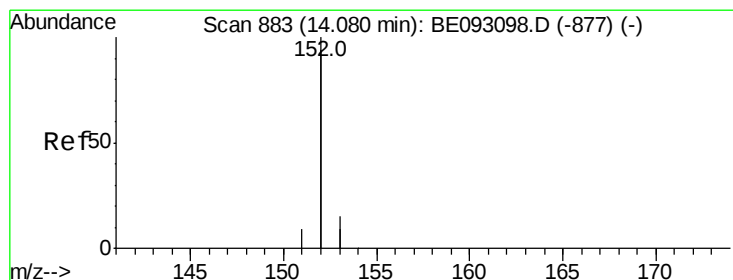
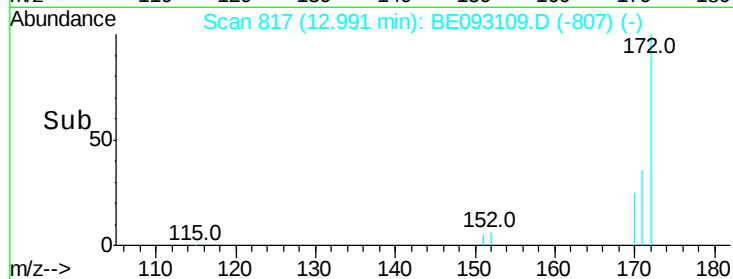
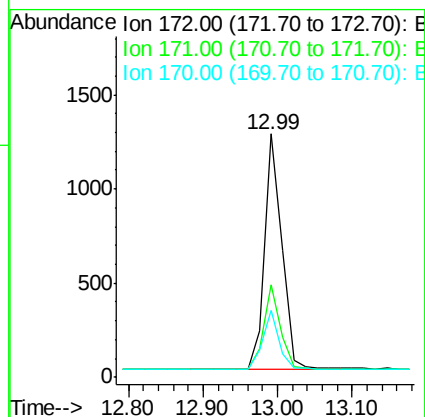
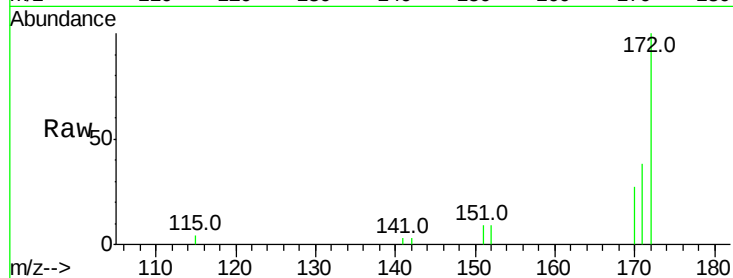




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

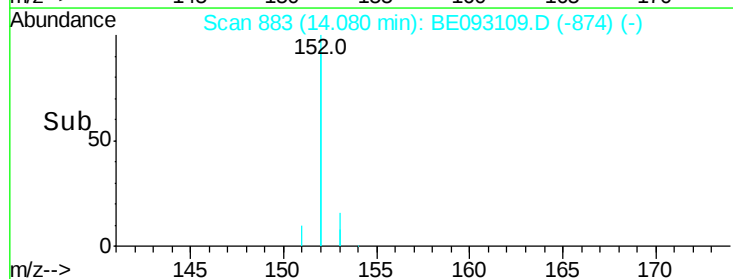
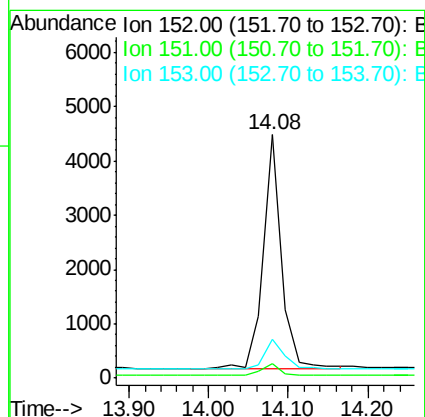
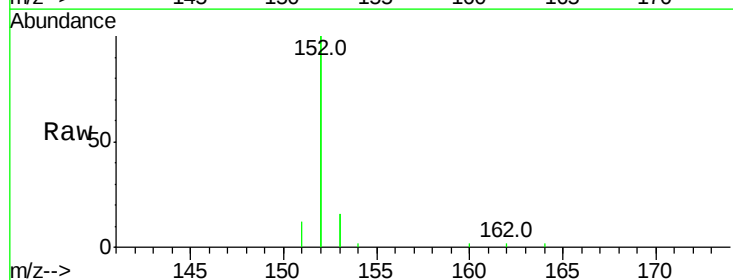
Instrument :
BNA_E
ClientSampleId :

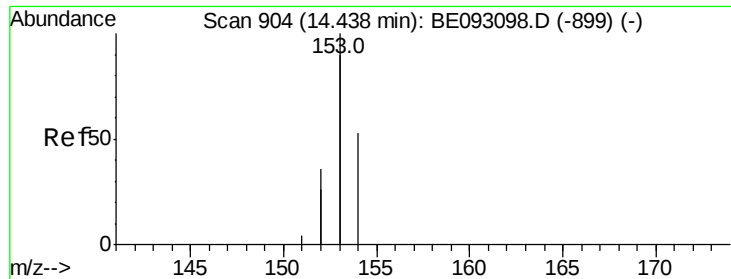
Tot Ion:172 Resp: 1997
Ion Ratio Lower Upper
172 100
171 38.1 29.8 44.6
170 27.5 20.7 31.1



#16
Acenaphthylene
Concen: 0.33 ng
RT: 14.08 min Scan# 883
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Tgt Ion:152 Resp: 6821
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.36 ng

RT: 14.44 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

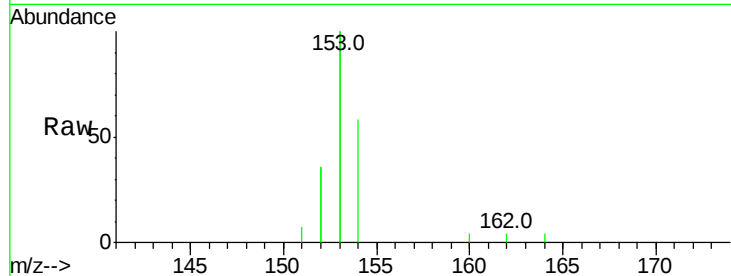
Tot Ion:154 Resp: 1391

Ion Ratio Lower Upper

154 100

153 433.5 367.8 551.6

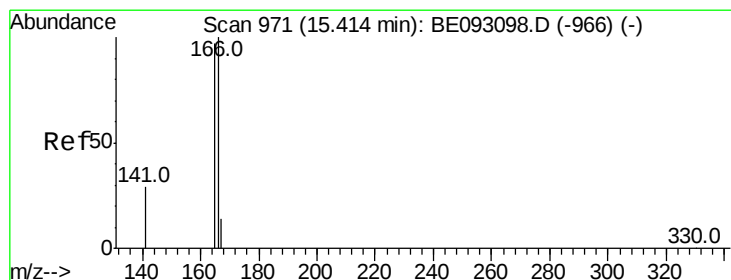
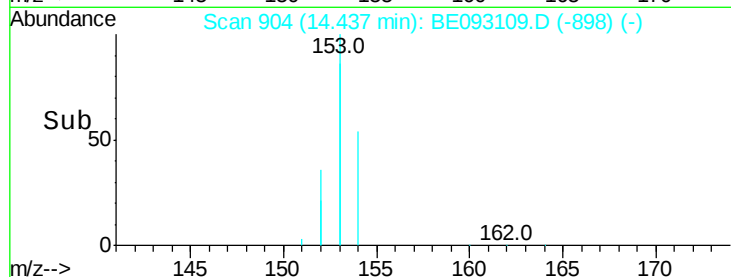
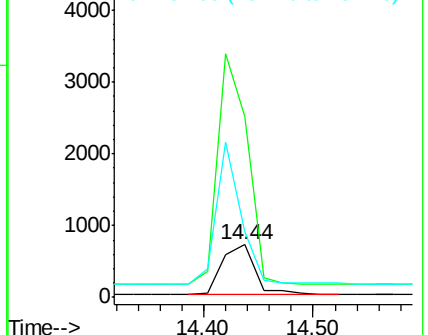
152 219.8 188.2 282.2



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



#18

Fluorene

Concen: 0.33 ng

RT: 15.41 min Scan# 971

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

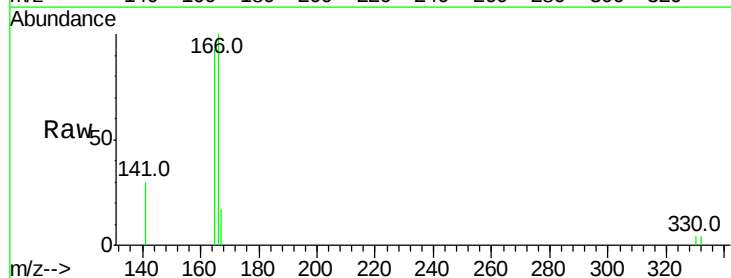
Tgt Ion:166 Resp: 1536

Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

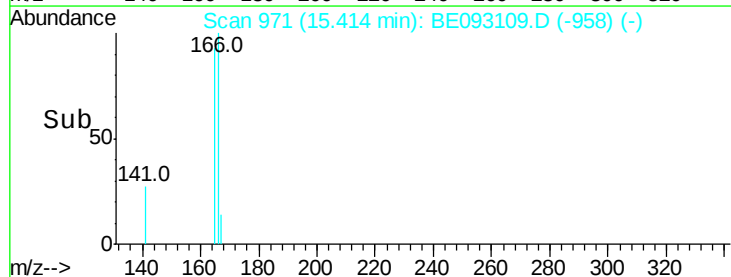
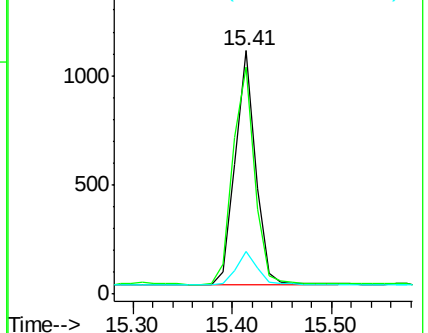
167 14.3 11.1 16.7

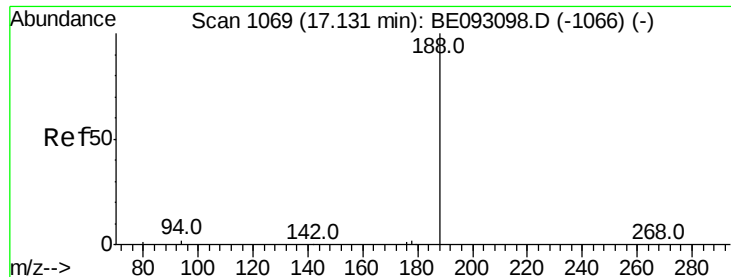


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

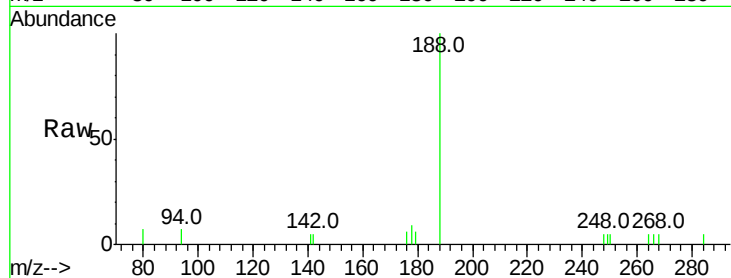
Tot Ion:188 Resp: 2159

Ion Ratio Lower Upper

188 100

94 6.9 11.3 16.9#

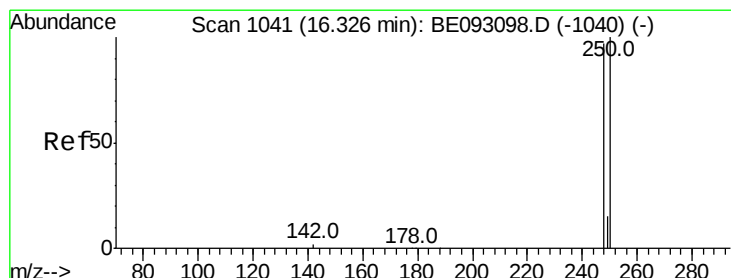
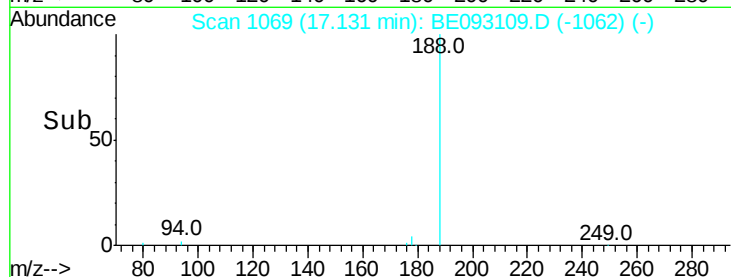
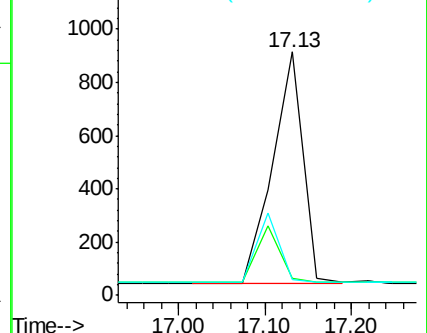
80 6.8 11.7 17.5#



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: 0.37 ng

RT: 16.33 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

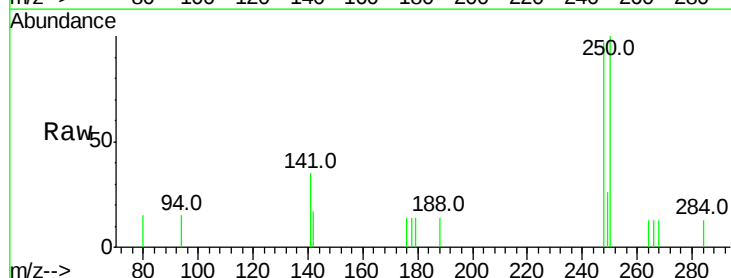
Tgt Ion:248 Resp: 485

Ion Ratio Lower Upper

248 100

250 103.4 100.0 150.0

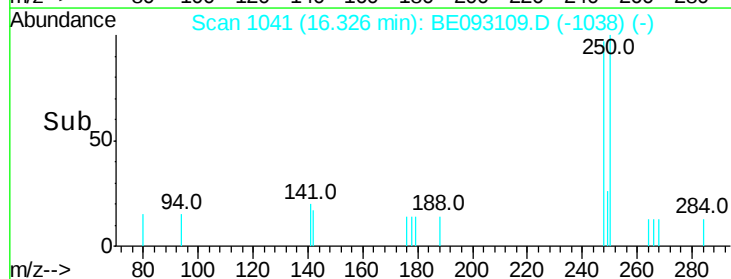
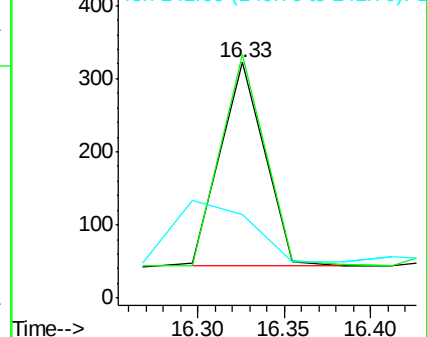
141 35.7 40.0 60.0#

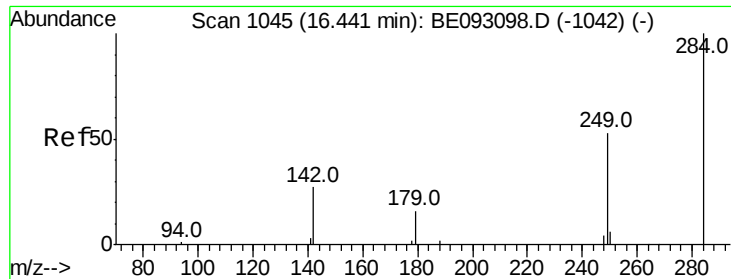


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

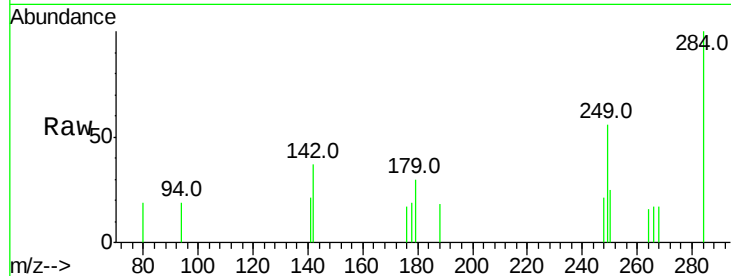




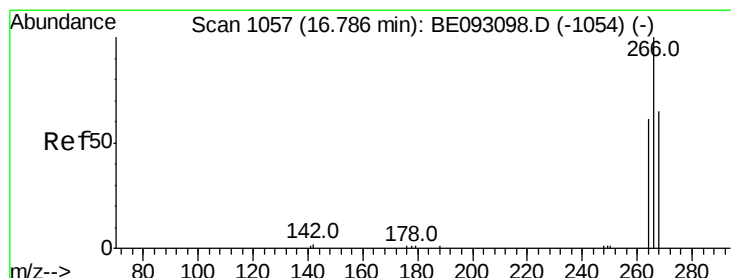
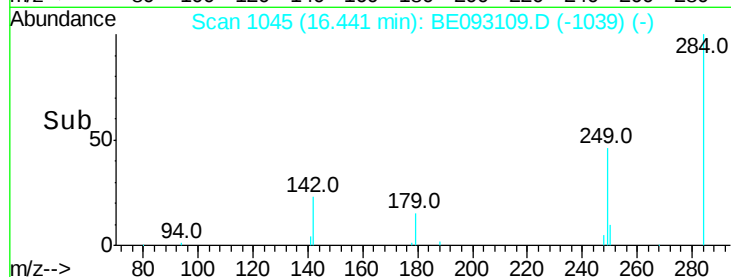
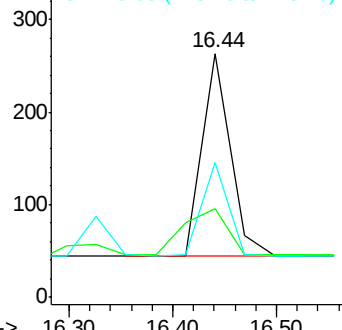
#21
Hexachlorobenzene
Concen: 0.36 ng
RT: 16.44 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 418
Ion Ratio Lower Upper
284 100
142 35.2 0.0 0.0#
249 42.6 0.0 0.0#

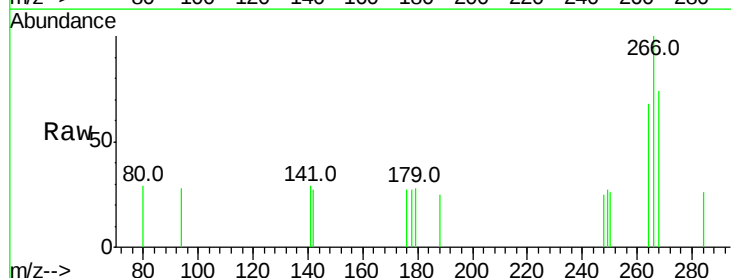


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

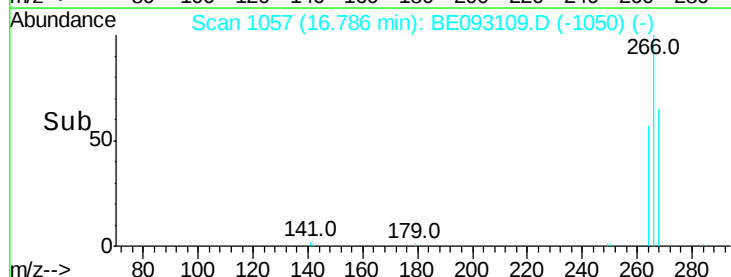
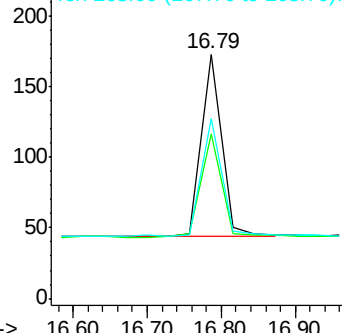


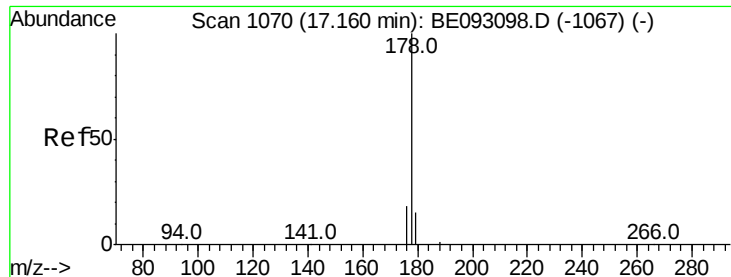
#22
Pentachlorophenol
Concen: 0.65 ng
RT: 16.79 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Tgt Ion:266 Resp: 242
Ion Ratio Lower Upper
266 100
264 67.6 58.2 87.2
268 74.0 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: 0.35 ng

RT: 17.16 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

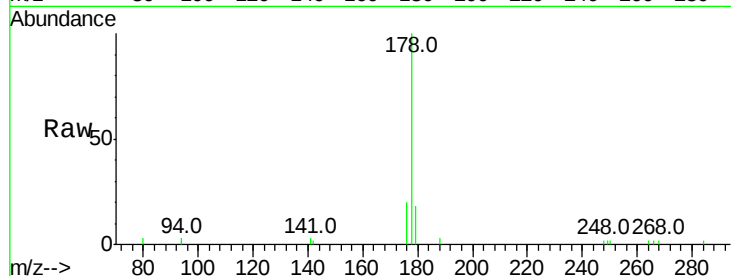
Tot Ion:178 Resp: 3383

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

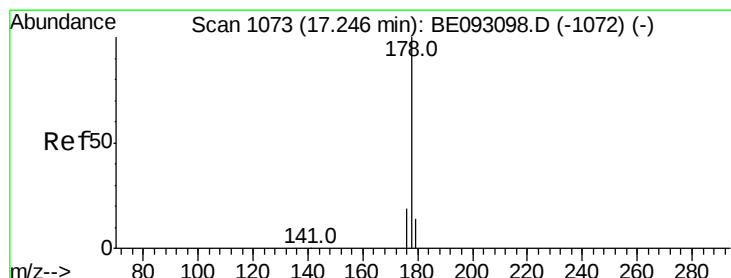
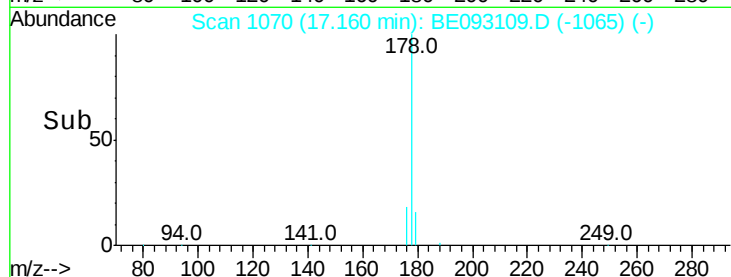
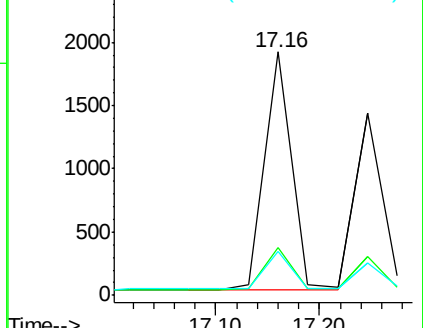
179 15.9 12.7 19.1



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: 0.31 ng

RT: 17.25 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

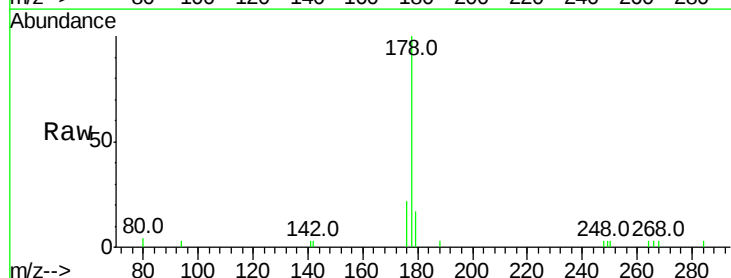
Tgt Ion:178 Resp: 2596

Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

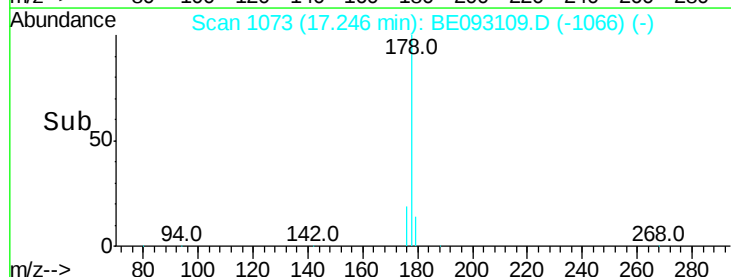
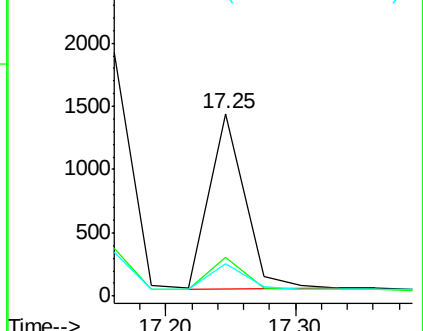
179 14.9 12.0 18.0

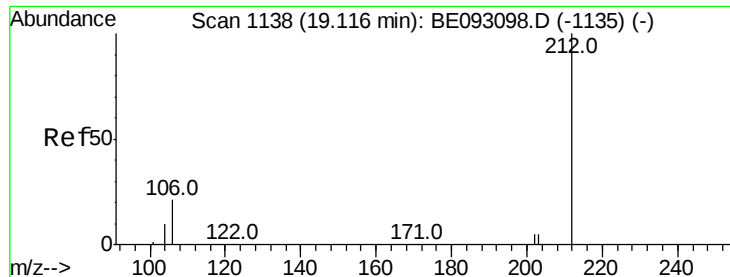


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

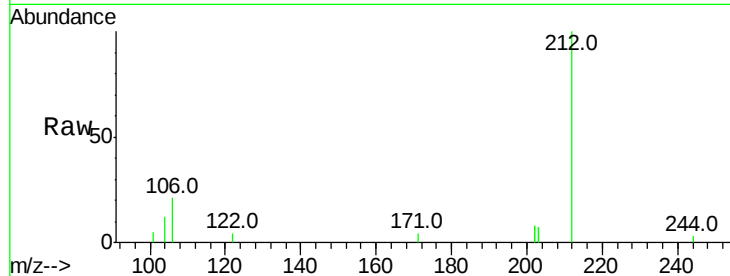




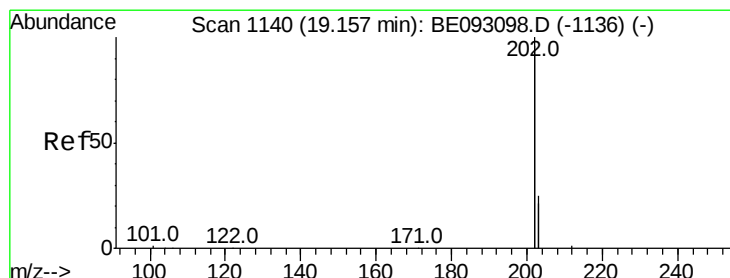
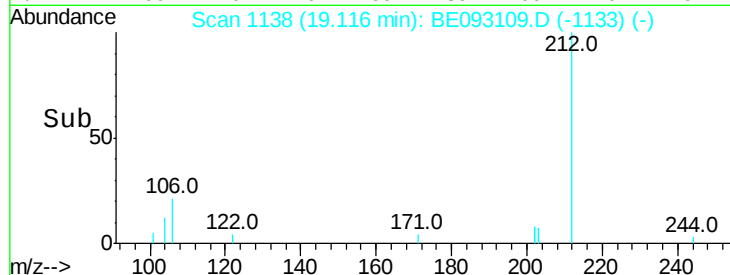
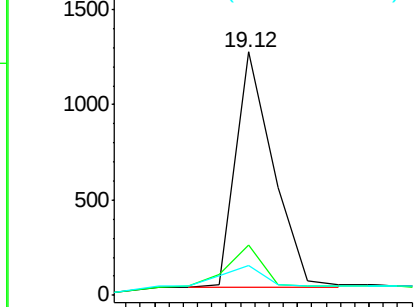
#25
Fluoranthene-d10
Concen: 0.32 ng
RT: 19.12 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:212 Resp: 2269
Ion Ratio Lower Upper
212 100
106 16.4 0.0 0.0#
104 9.4 0.0 0.0#

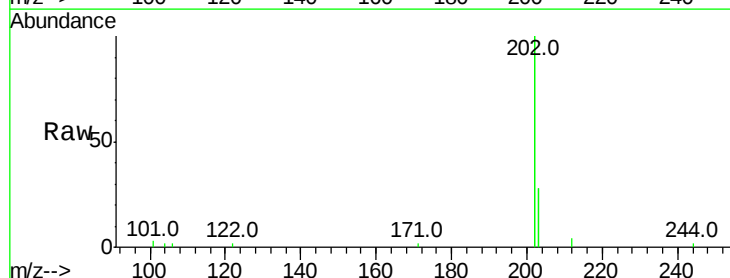


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

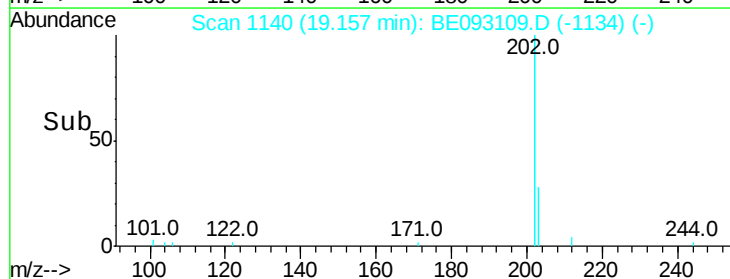
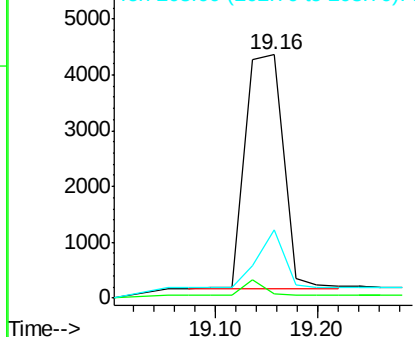


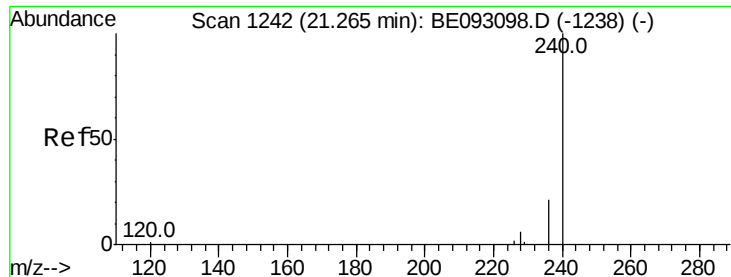
#26
Fluoranthene
Concen: 0.30 ng
RT: 19.16 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Tgt Ion:202 Resp: 10761
Ion Ratio Lower Upper
202 100
101 0.0 0.0 0.0
203 17.6 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

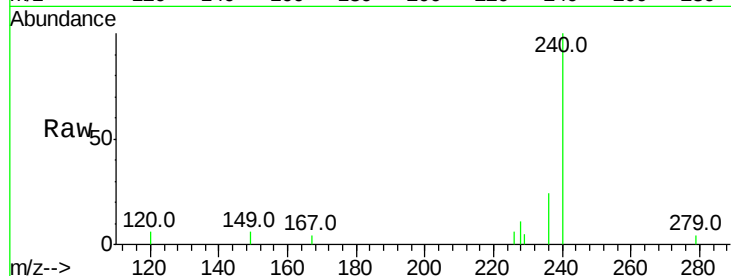




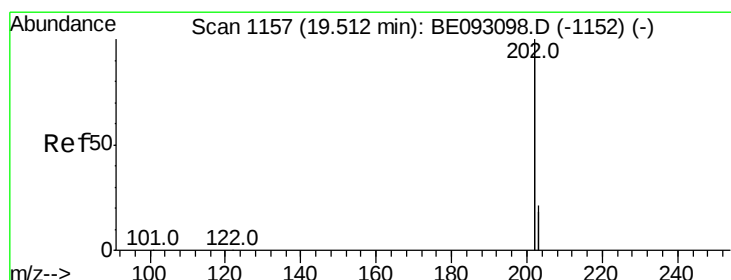
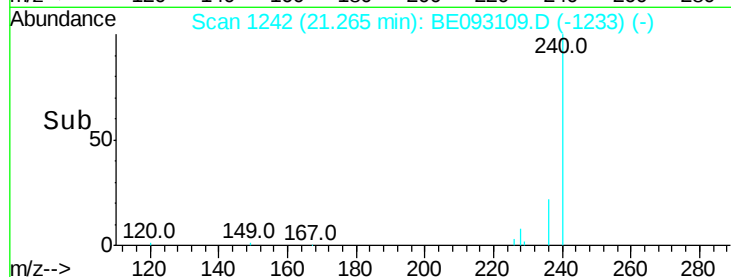
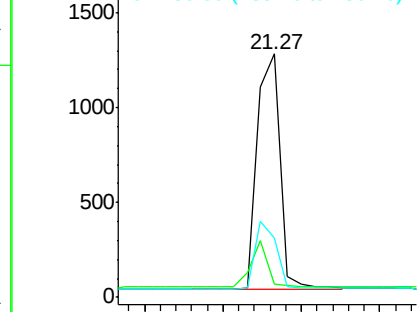
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.27 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 2525
Ion Ratio Lower Upper
240 100
120 5.5 4.6 7.0
236 24.3 20.8 31.2

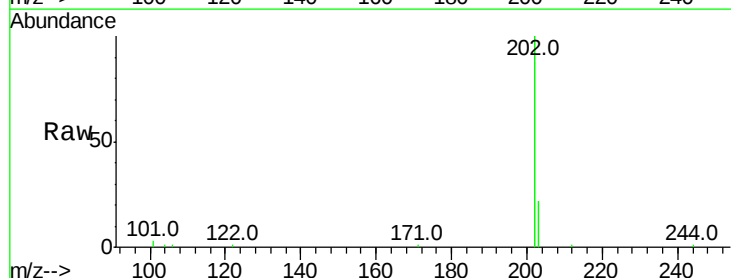


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

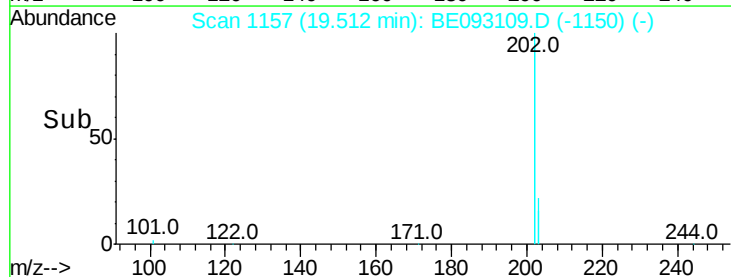
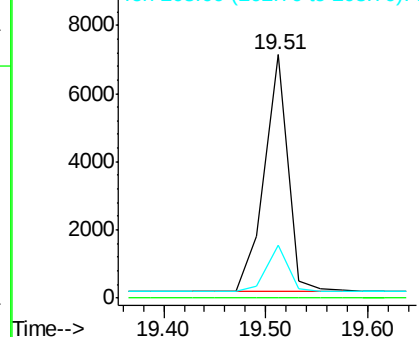


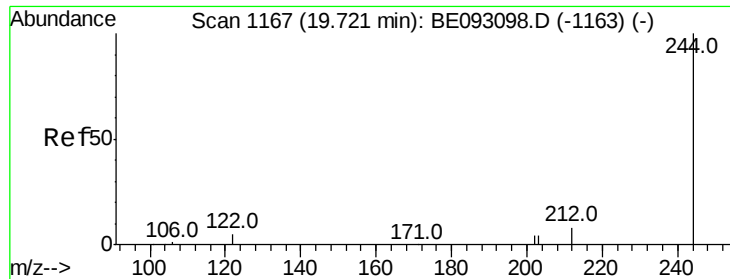
#28
Pyrene
Concen: 0.37 ng
RT: 19.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Tgt Ion:202 Resp: 11324
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.5 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: 0.41 ng

RT: 19.72 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

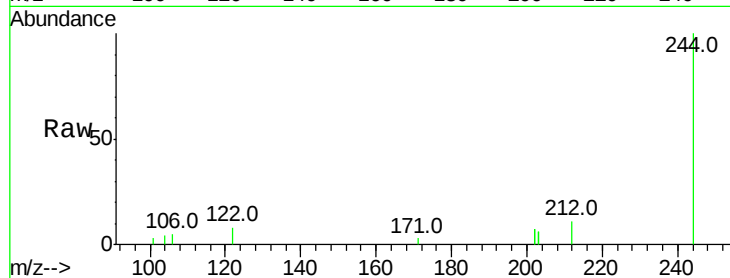
Tot Ion:244 Resp: 2014

Ion Ratio Lower Upper

244 100

212 10.9 10.6 16.0

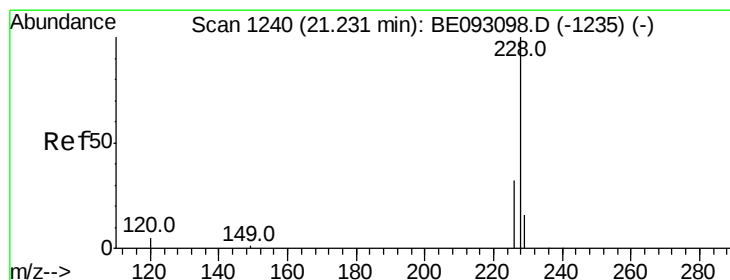
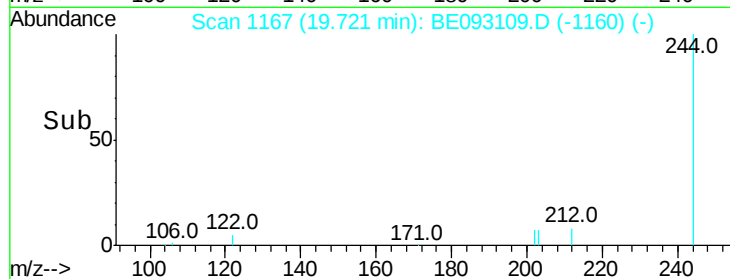
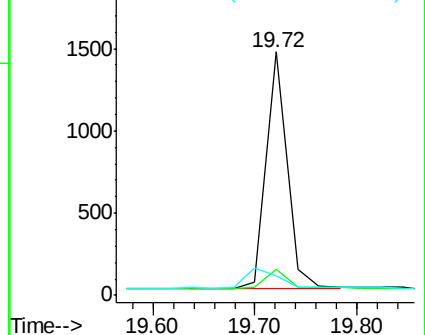
122 7.9 15.4 23.0#



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: 0.34 ng

RT: 21.23 min Scan# 1240

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

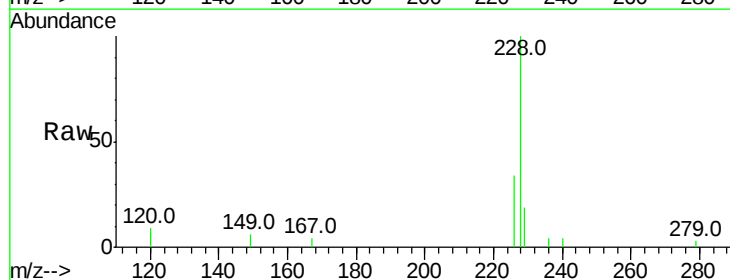
Tgt Ion:228 Resp: 2324

Ion Ratio Lower Upper

228 100

226 33.9 19.7 29.5#

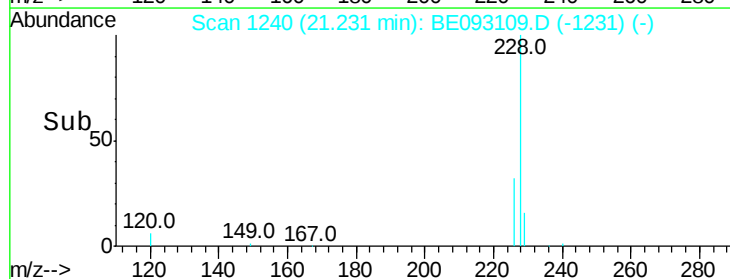
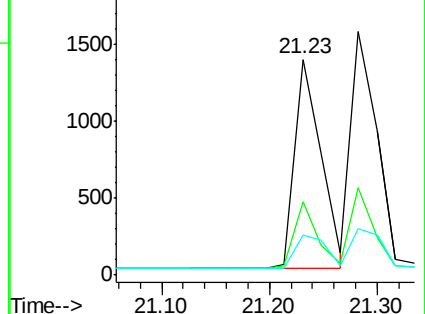
229 18.7 19.2 28.8#

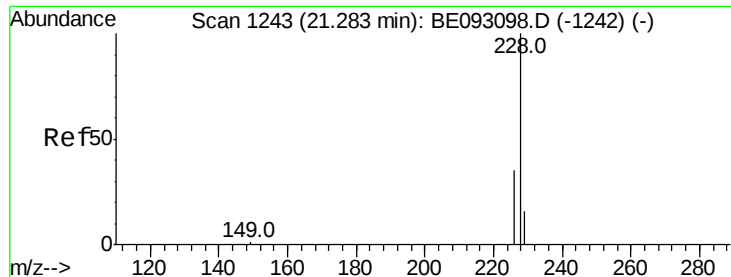


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.36 ng

RT: 21.28 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

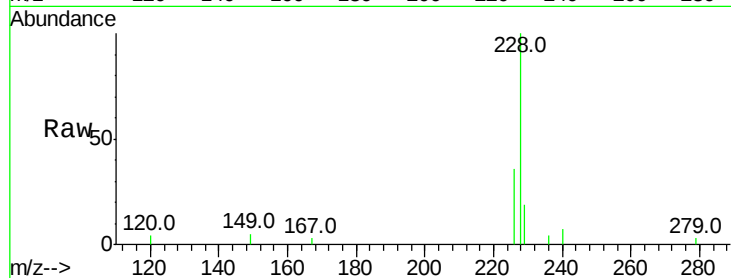
Tot Ion:228 Resp: 2634

Ion Ratio Lower Upper

228 100

226 35.9 21.5 32.3#

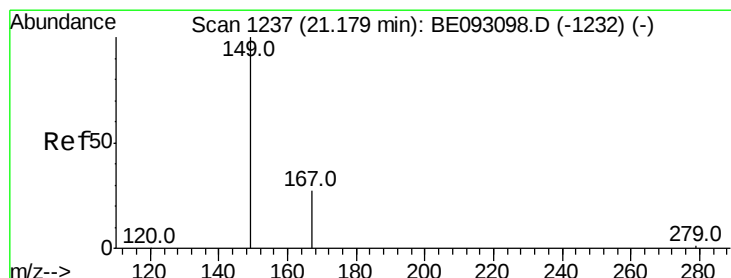
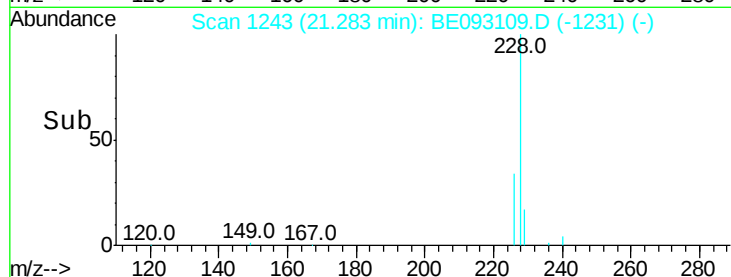
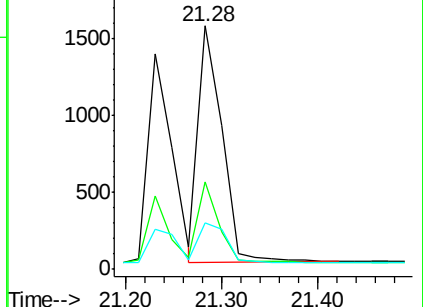
229 19.1 18.6 28.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.18 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

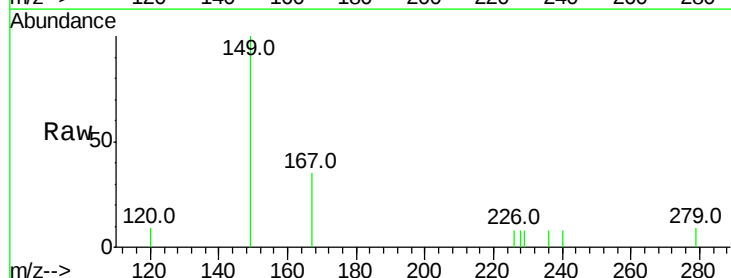
Tgt Ion:149 Resp: 652

Ion Ratio Lower Upper

149 100

167 27.8 20.1 30.1

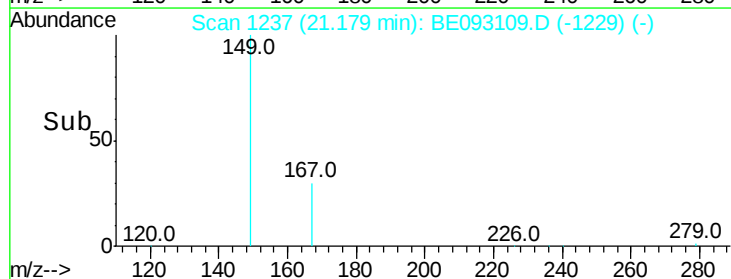
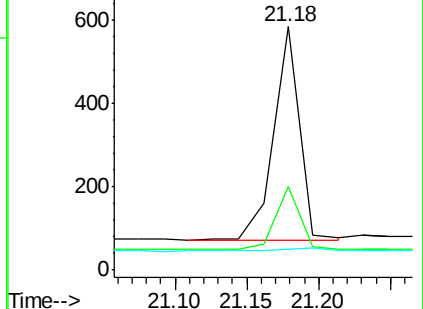
279 3.5 2.2 3.4#

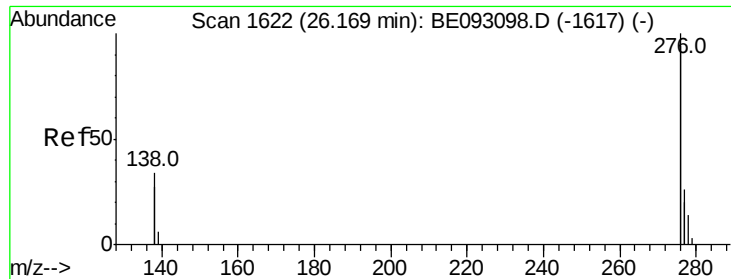


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

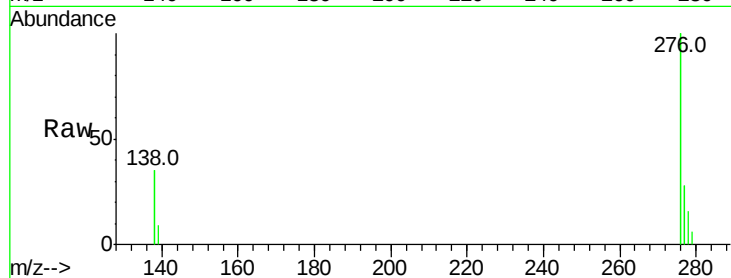




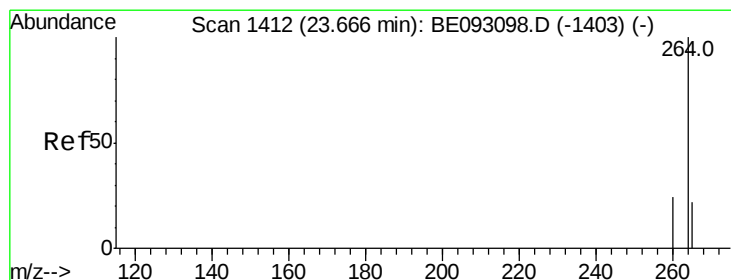
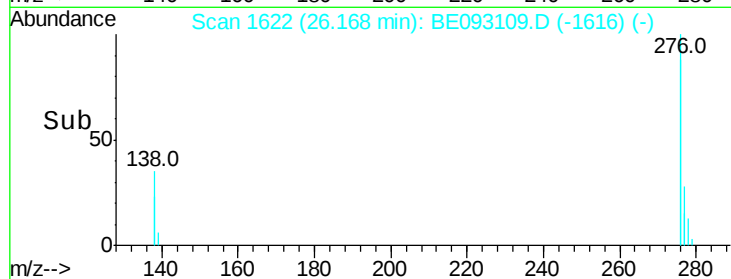
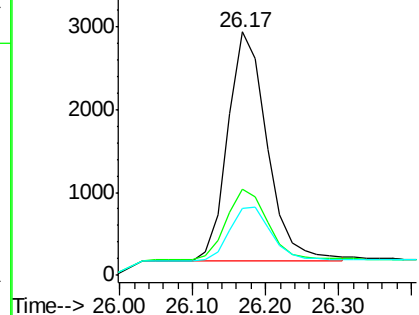
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng
 RT: 26.17 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE093109.D
 Acq: 12 Jun 2017 19:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 10205
 Ion Ratio Lower Upper
 276 100
 138 32.5 27.4 41.2
 277 25.2 20.1 30.1

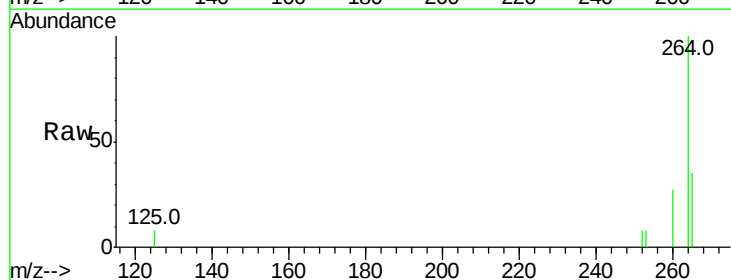


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

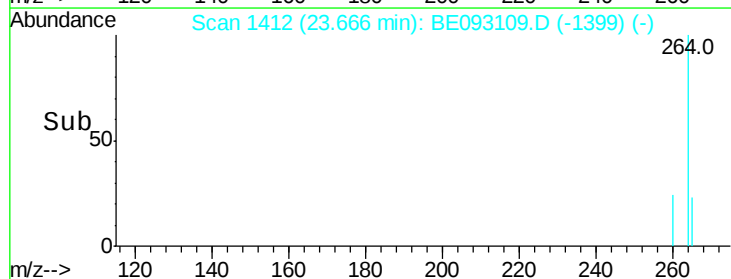
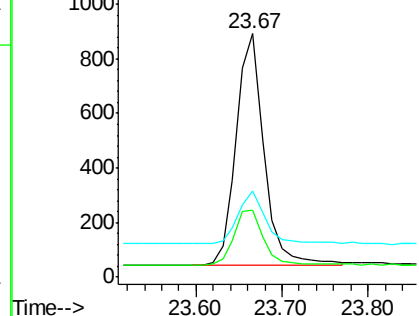


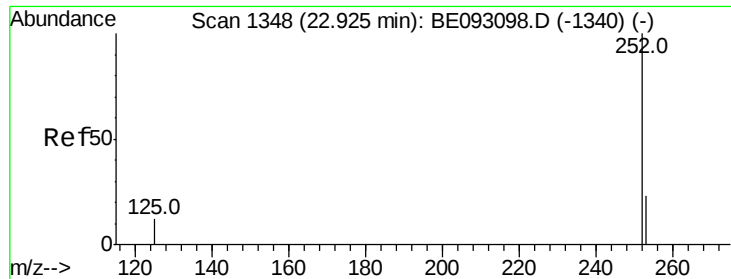
#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.67 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: BE093109.D
 Acq: 12 Jun 2017 19:43

Tgt Ion:264 Resp: 1899
 Ion Ratio Lower Upper
 264 100
 260 27.4 21.0 31.4
 265 35.3 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

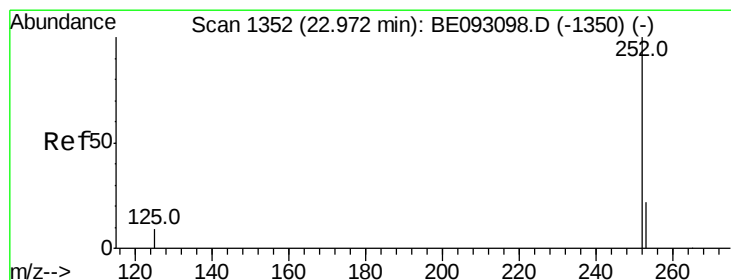
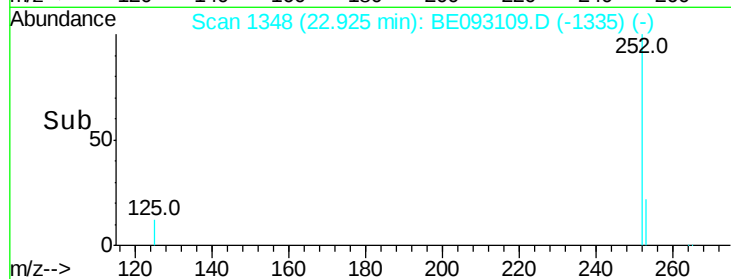
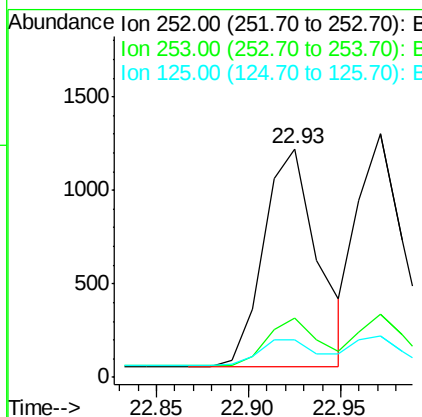
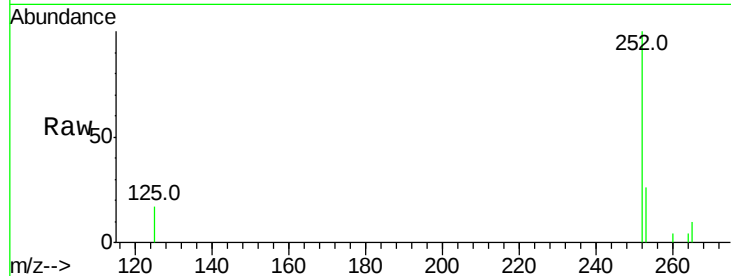




#35
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 22.93 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

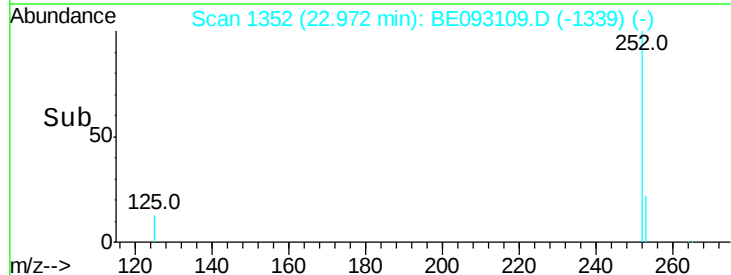
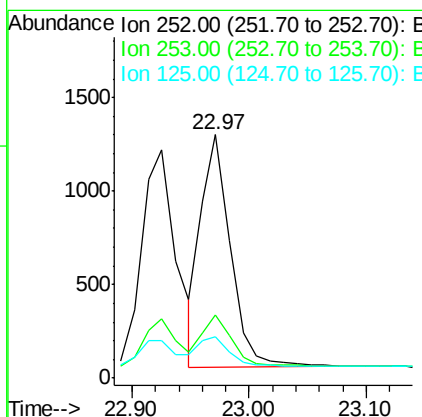
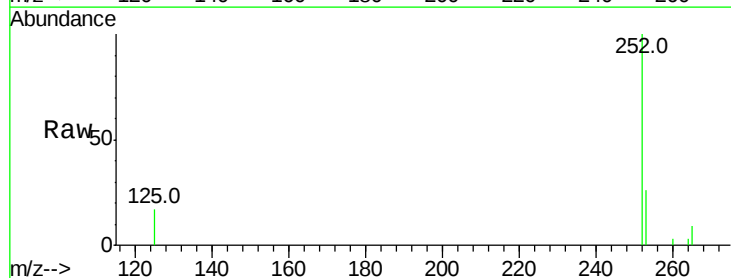
Instrument :
BNA_E
ClientSampleId :

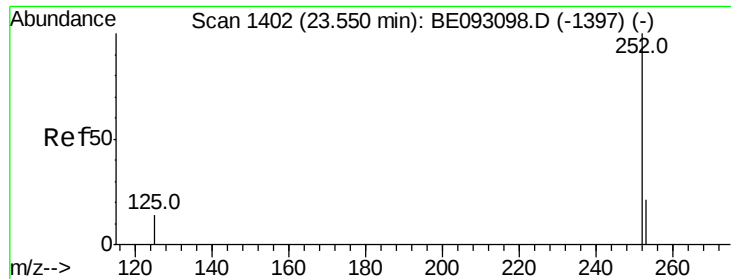
Tot Ion:252 Resp: 2402
Ion Ratio Lower Upper
252 100
253 26.2 18.5 27.7
125 16.7 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 22.97 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BE093109.D
Acq: 12 Jun 2017 19:43

Tgt Ion:252 Resp: 2160
Ion Ratio Lower Upper
252 100
253 25.7 20.3 30.5
125 17.1 12.2 18.4





#37

Benzo(a)pyrene

Concen: 0.38 ng

RT: 23.55 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :

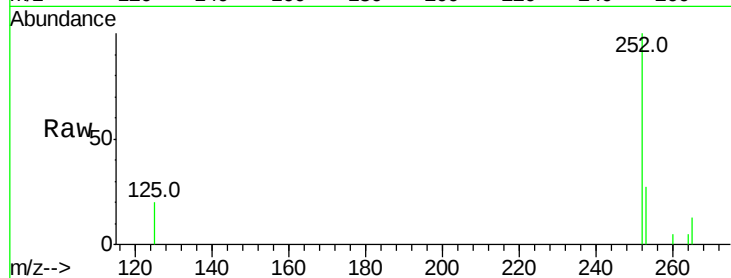
Tot Ion:252 Resp: 1980

Ion Ratio Lower Upper

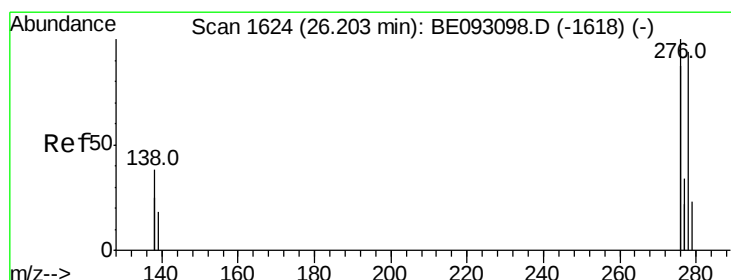
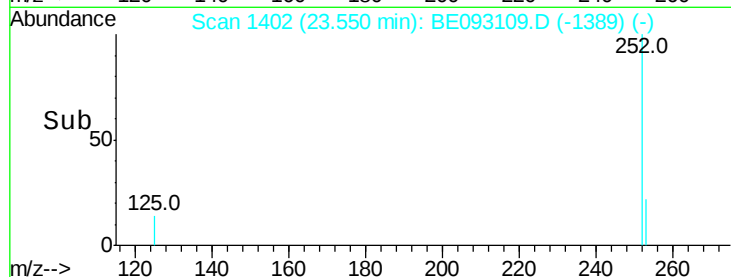
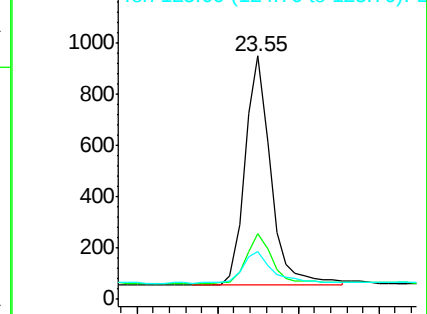
252 100

253 26.9 19.9 29.9

125 19.9 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



#38

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 26.20 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

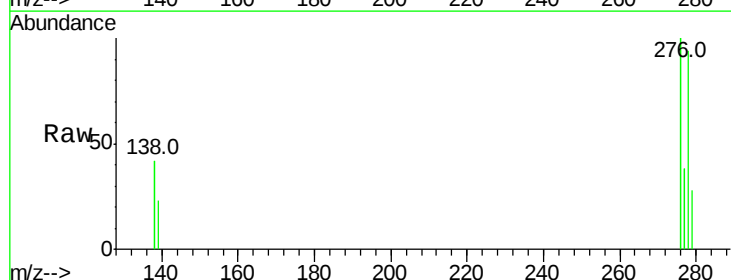
Tgt Ion:278 Resp: 2241

Ion Ratio Lower Upper

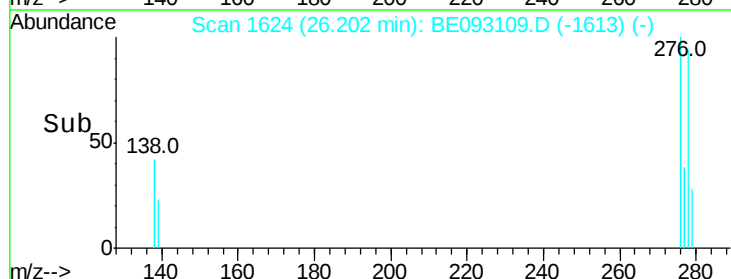
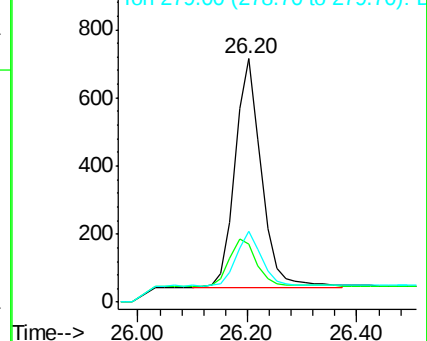
278 100

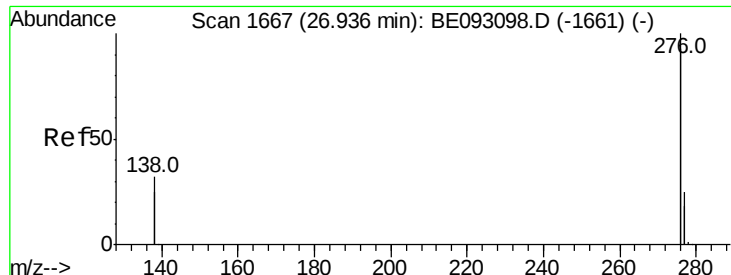
139 23.9 21.4 32.0

279 29.2 22.2 33.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.42 ng

RT: 26.94 min Scan# 1667

Delta R.T. -0.00 min

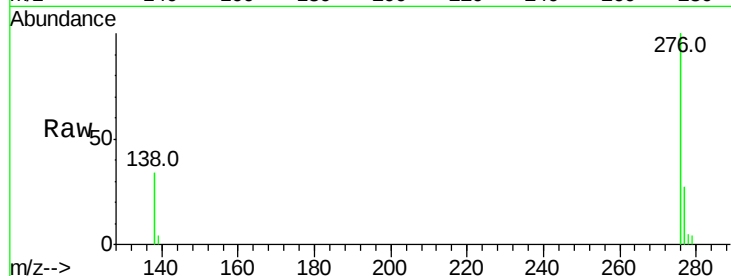
Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA_E

ClientSampleId :



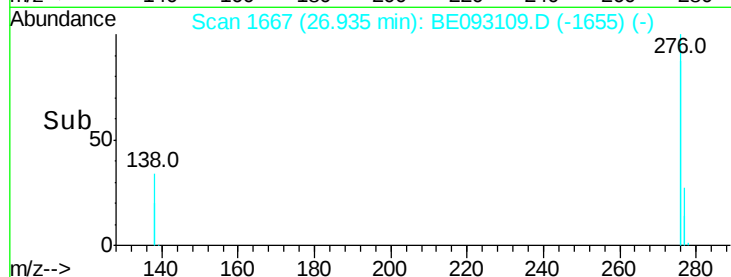
Tot Ion:276 Resp: 9289

Ion Ratio Lower Upper

276 100

277 27.1 21.2 31.8

138 33.8 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

