

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091517\
 Data File : BE094015.D
 Acq On : 15 Sep 2017 11:01
 Operator : SJ/JU
 Sample : PB102310BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102310BS

Quant Time: Sep 18 14:22:57 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2569	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11043	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	6147	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	14455	0.40	ng	0.00
27) Chrysene-d12	21.43	240	17966	0.40	ng	0.00
34) Perylene-d12	23.94	264	12188	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2120	0.26	ng	0.00
5) Phenol-d6	7.11	99	2746	0.22	ng	0.00
8) Nitrobenzene-d5	9.08	82	2553	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	4756	0.27	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	487	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	6251	0.26	ng	0.00
25) Fluoranthene-d10	19.29	212	52225	0.24	ng	0.00
29) Terphenyl-d14	19.87	244	9742	0.29	ng	0.00

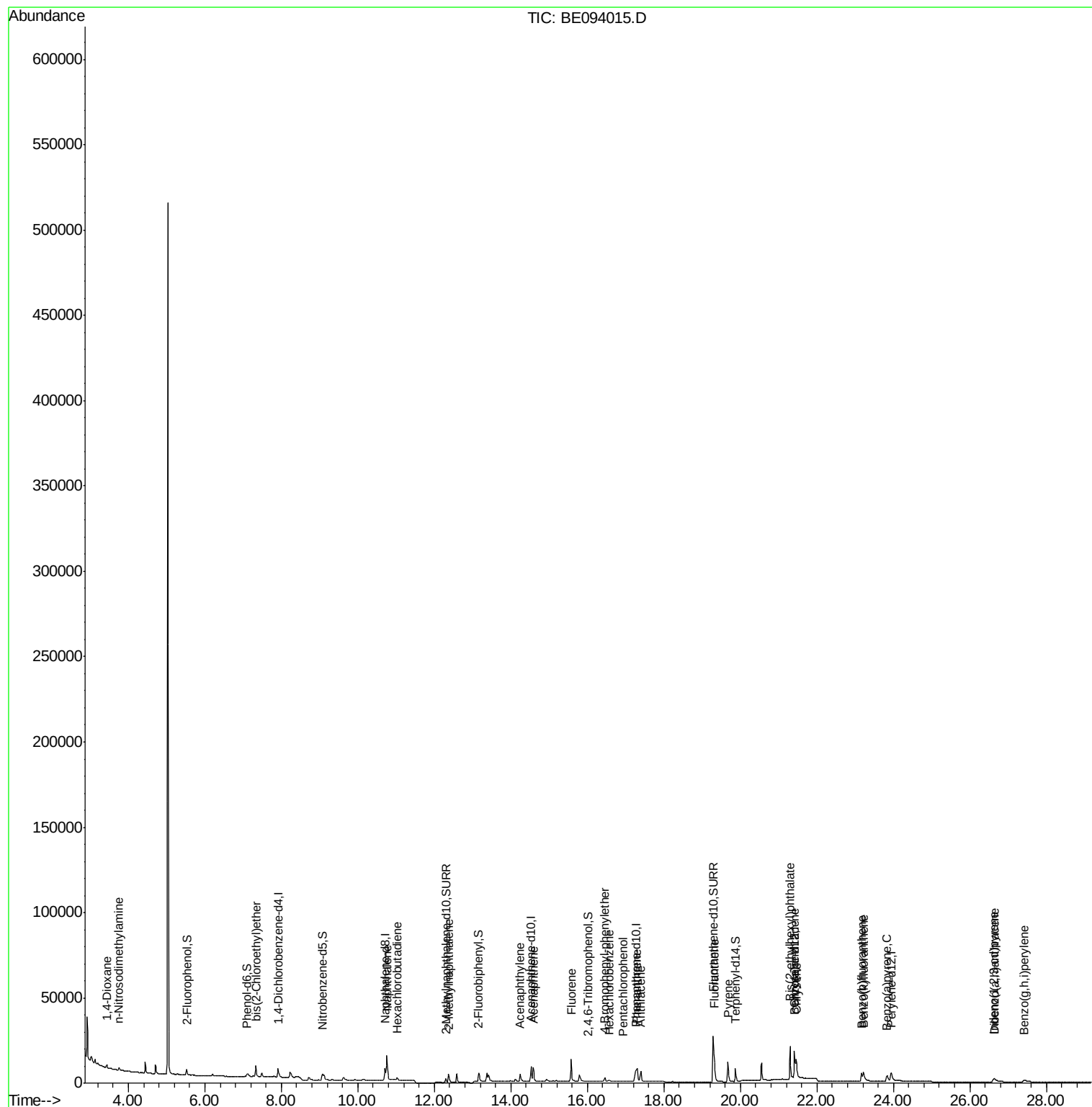
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	971	0.274	ng	# 52
3) n-Nitrosodimethylamine	3.75	42	1279	0.308	ng	# 91
6) bis(2-Chloroethyl)ether	7.34	93	2550	0.250	ng	88
9) Naphthalene	10.76	128	31687	0.250	ng	100
10) Hexachlorobutadiene	11.03	225	1233	0.268	ng	96
12) 2-Methylnaphthalene	12.37	142	5251	0.250	ng	99
16) Acenaphthylene	14.24	152	7275	0.237	ng	99
17) Acenaphthene	14.58	154	5096	0.246	ng	98
18) Fluorene	15.58	166	6910	0.258	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	2159	0.220	ng	# 68
21) Hexachlorobenzene	16.58	284	1705	0.200	ng	# 100
22) Pentachlorophenol	16.94	266	808	0.352	ng	95
23) Phenanthrene	17.30	178	13481	0.219	ng	# 100
24) Anthracene	17.40	178	10483	0.238	ng	# 92
26) Fluoranthene	19.32	202	14856	0.231	ng	99
28) Pyrene	19.67	202	15050	0.243	ng	99
30) Benzo(a)anthracene	21.40	228	12676	0.230	ng	96
31) Chrysene	21.46	228	14636	0.251	ng	99
32) Bis(2-ethylhexyl)phthalate	21.30	149	28624	0.214	ng	100
33) Indeno(1,2,3-cd)pyrene	26.62	276	6022	0.155	ng	97
35) Benzo(b)fluoranthene	23.17	252	8986	0.232	ng	96
36) Benzo(k)fluoranthene	23.22	252	13669	0.287	ng	# 94
37) Benzo(a)pyrene	23.84	252	9802	0.248	ng	# 93
38) Dibenzo(a,h)anthracene	26.65	278	4718	0.180	ng	# 84
39) Benzo(g,h,i)perylene	27.42	276	5483	0.198	ng	94

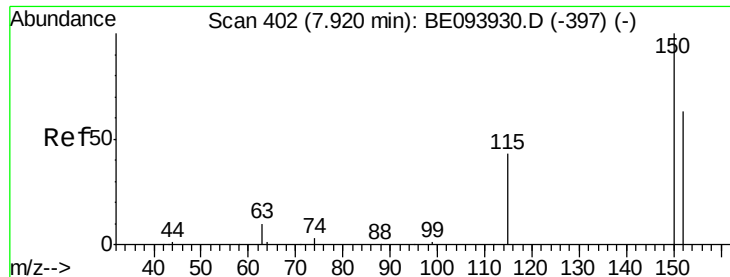
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 05 13:34:56 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

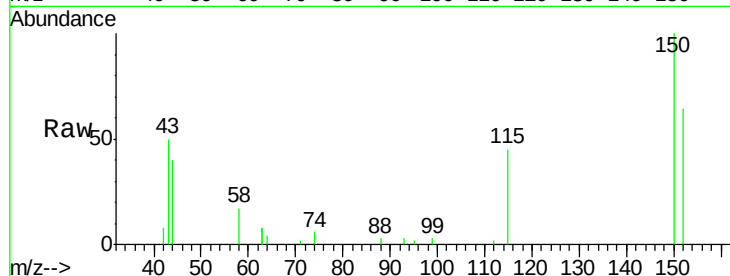
Tgt Ion:152 Resp: 2569

Ion Ratio Lower Upper

152 100

150 156.7 121.8 182.6

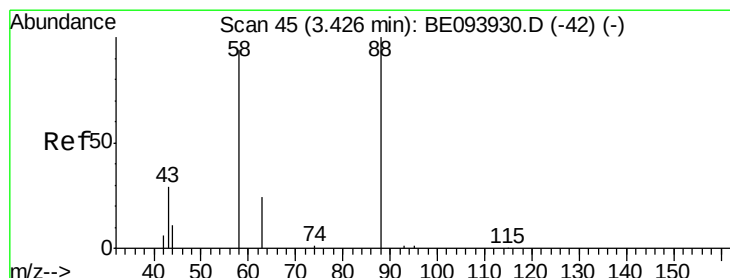
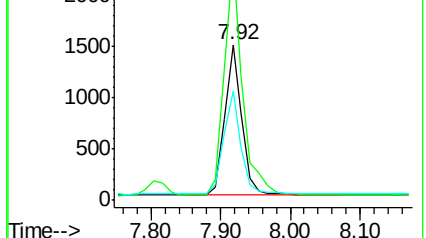
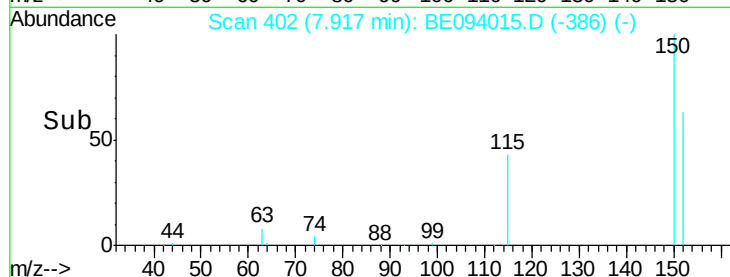
115 70.5 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.274 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

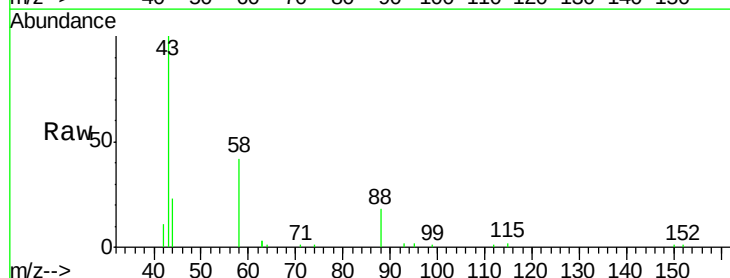
Tgt Ion: 88 Resp: 971

Ion Ratio Lower Upper

88 100

58 122.8 65.4 98.0#

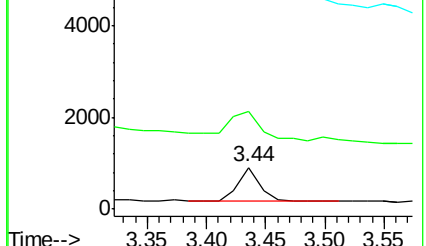
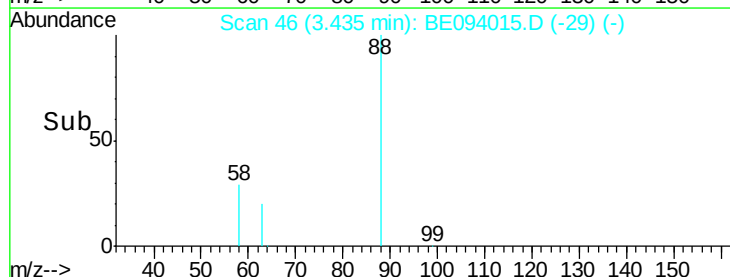
43 0.0 23.9 35.9#

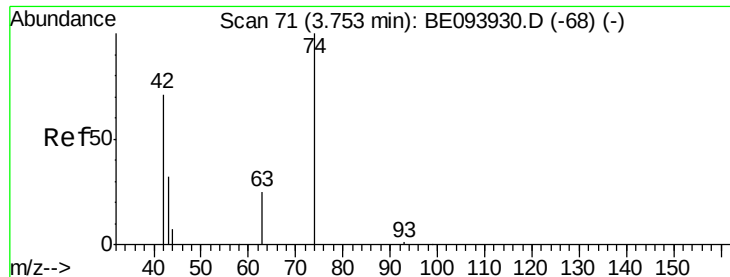


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.308 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

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PB102310BS

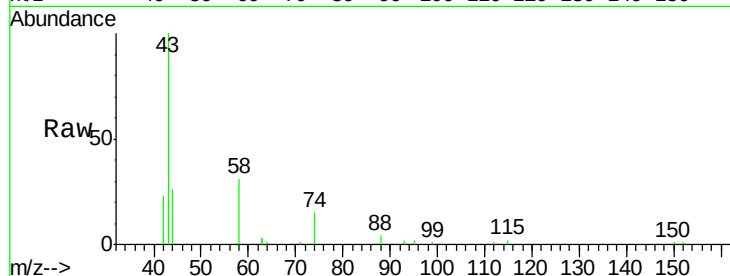
Tgt Ion: 42 Resp: 1279

Ion Ratio Lower Upper

42 100

74 120.9 104.0 156.0

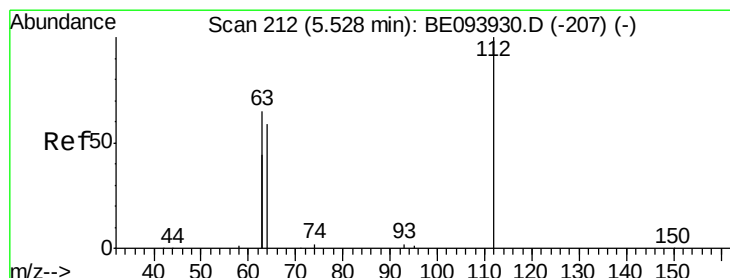
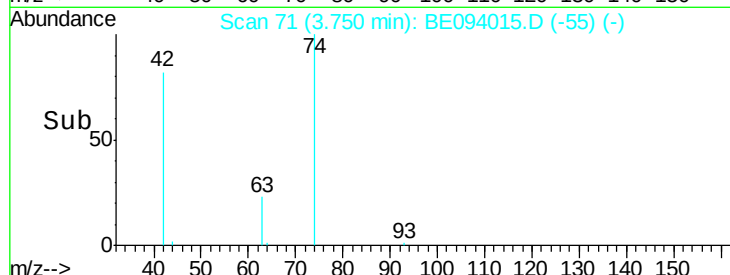
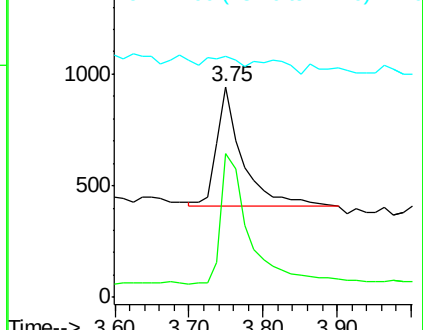
44 8.6 13.8 20.8#



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: 0.255 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

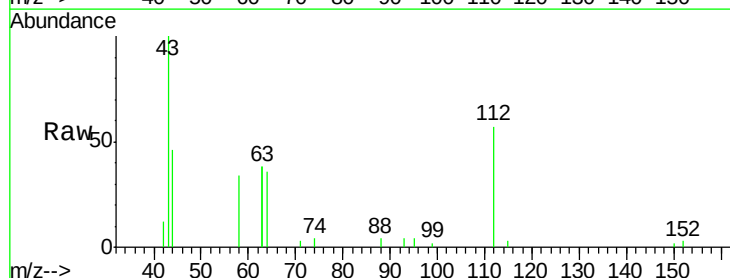
Tgt Ion: 112 Resp: 2120

Ion Ratio Lower Upper

112 100

64 74.3 57.7 86.5

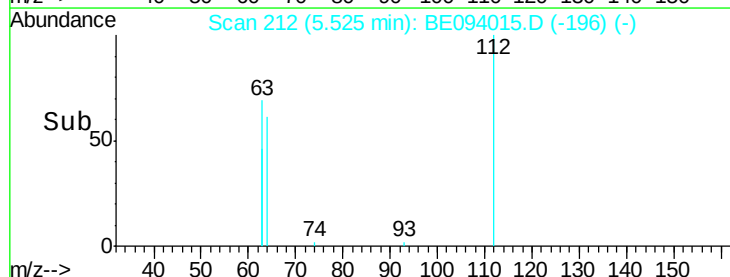
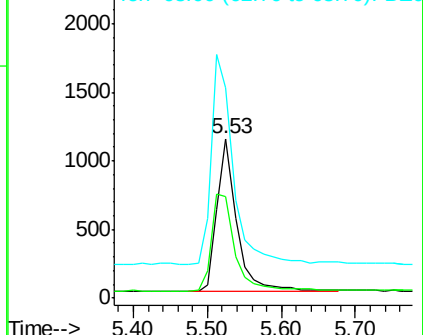
63 150.8 116.0 174.0

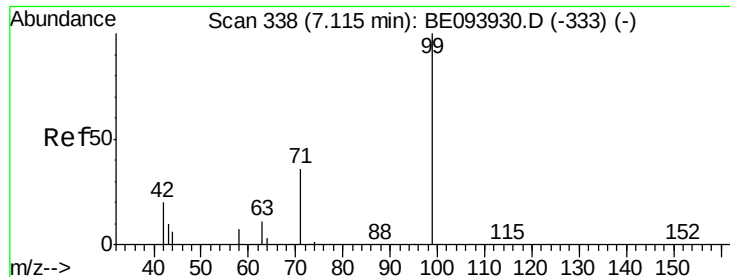


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.220 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

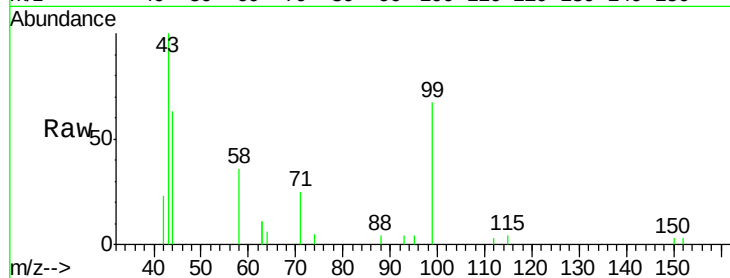
Tgt Ion: 99 Resp: 2746

Ion Ratio Lower Upper

99 100

42 23.9 17.1 25.7

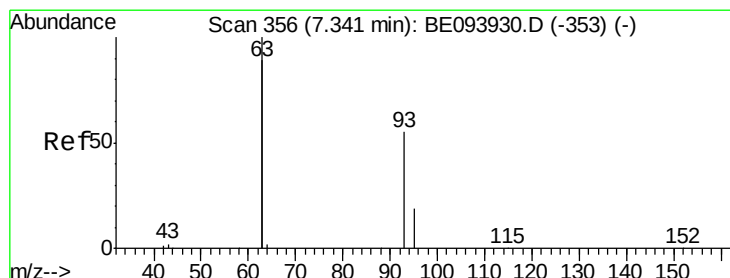
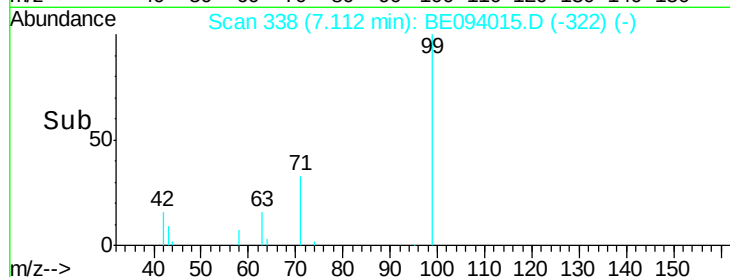
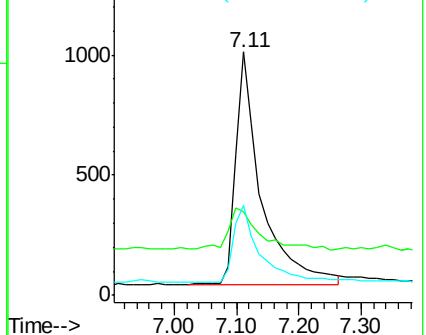
71 35.5 26.6 39.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.250 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

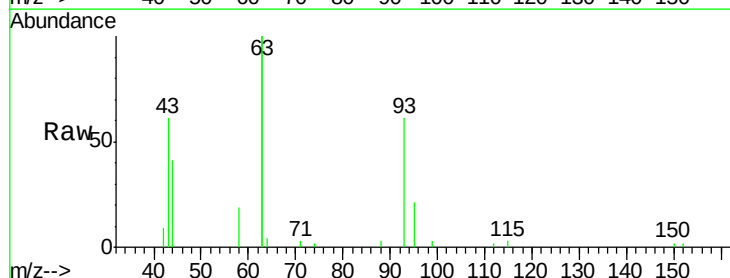
Tgt Ion: 93 Resp: 2550

Ion Ratio Lower Upper

93 100

63 327.2 283.4 425.2

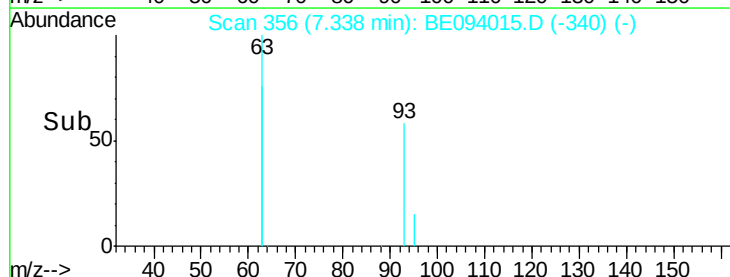
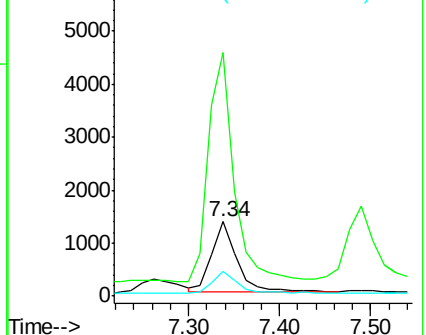
95 30.6 26.9 40.3

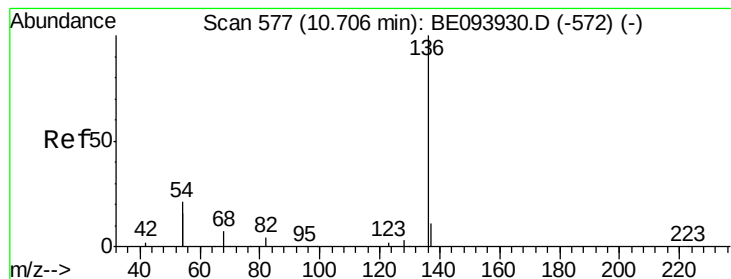


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

Tgt Ion:136 Resp: 11043

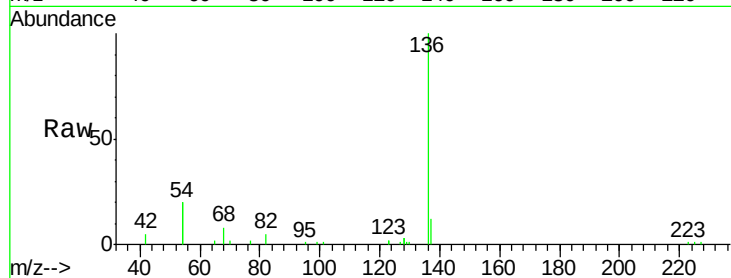
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 40.3 21.9 32.9#

68 7.6 4.6 7.0#

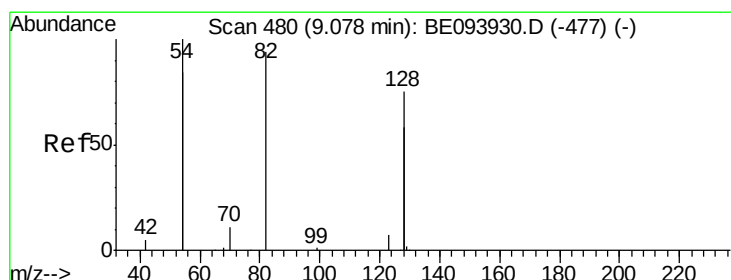
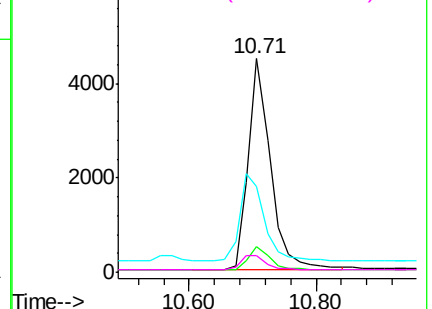
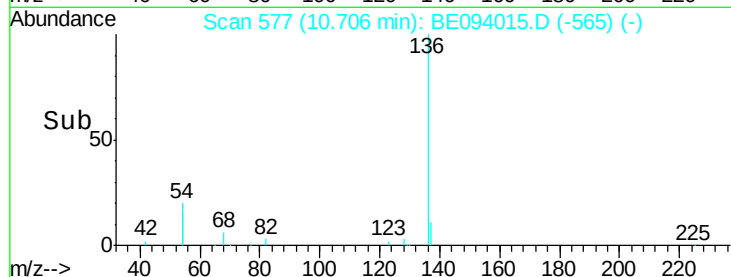


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.273 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

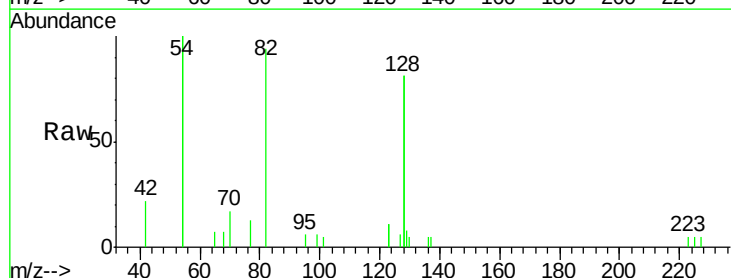
Tgt Ion: 82 Resp: 2553

Ion Ratio Lower Upper

82 100

128 173.3 91.4 137.0#

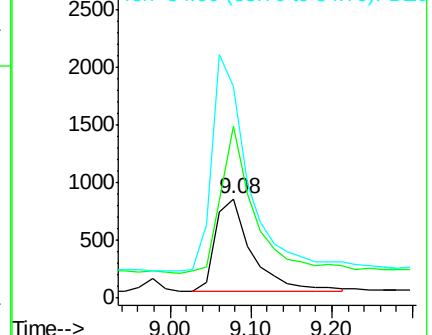
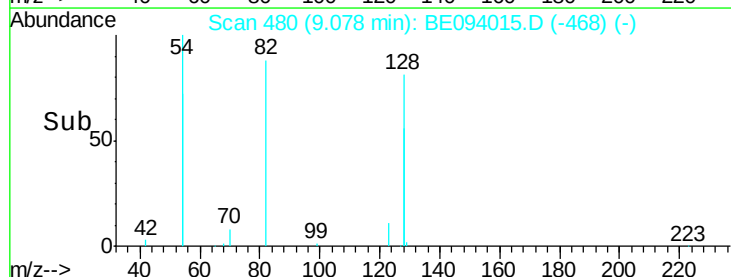
54 213.3 197.8 296.8

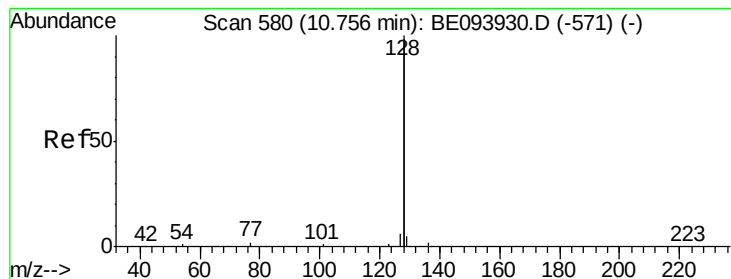


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.250 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

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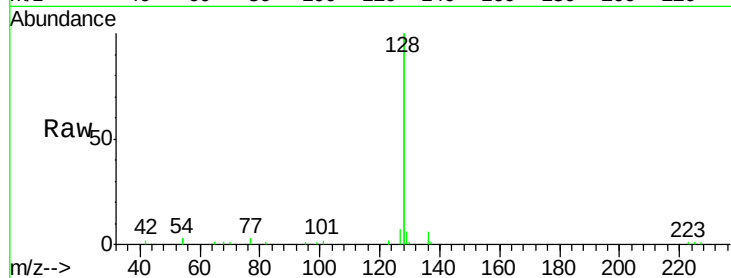
Tgt Ion:128 Resp: 31687

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

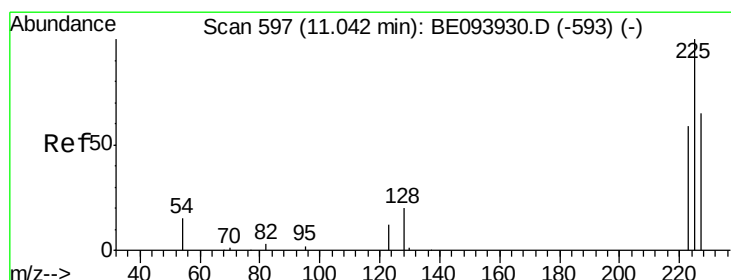
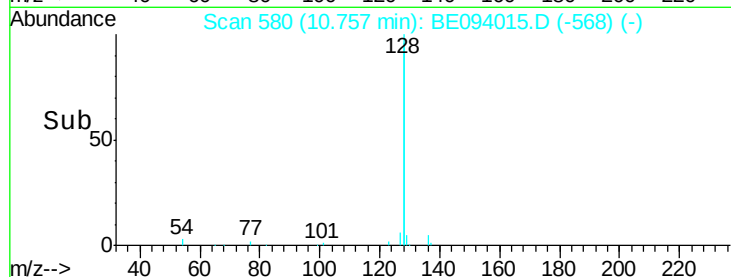
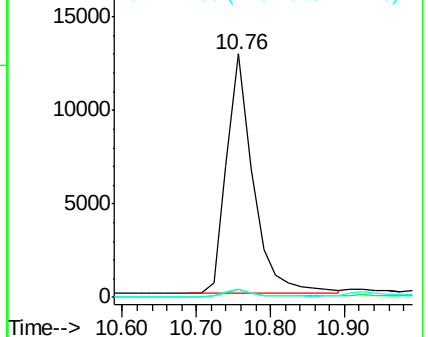
127 3.5 2.6 4.0



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: 0.268 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

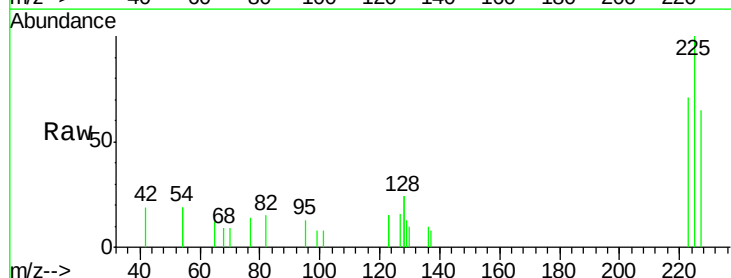
Tgt Ion:225 Resp: 1233

Ion Ratio Lower Upper

225 100

223 67.0 49.4 74.0

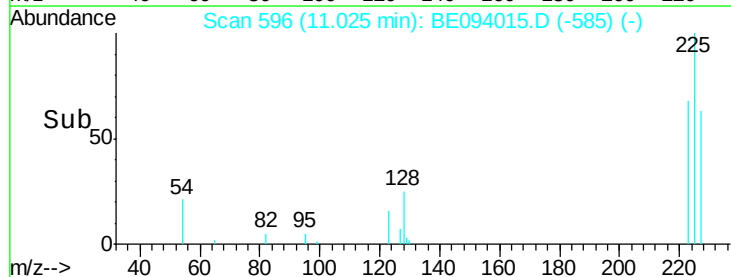
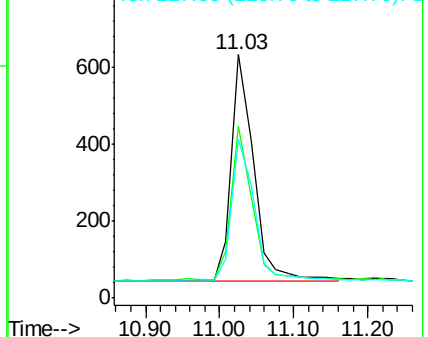
227 64.5 50.5 75.7

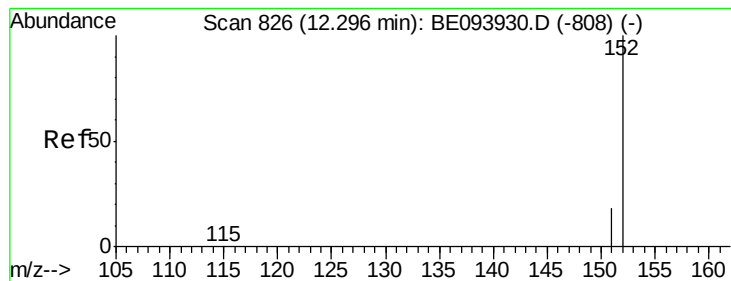


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.269 ng

RT: 12.30 min Scan# 827

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

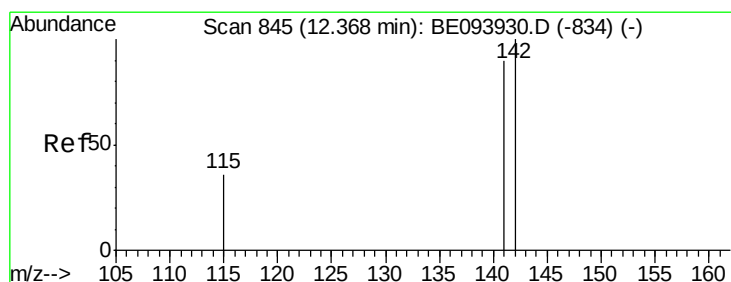
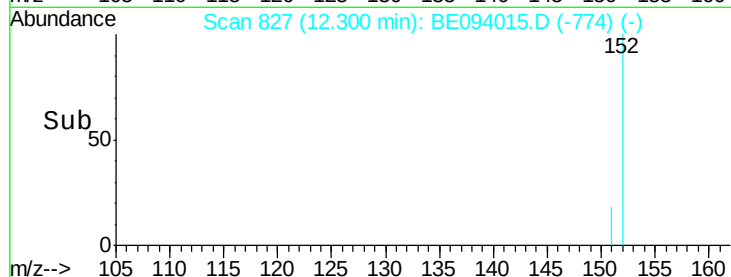
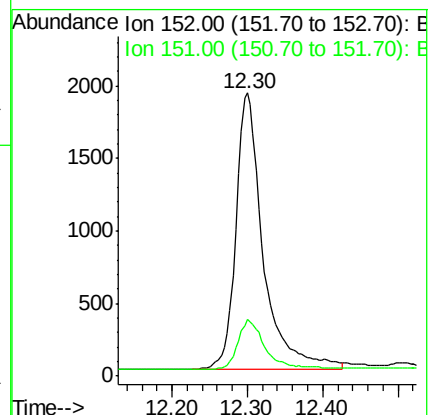
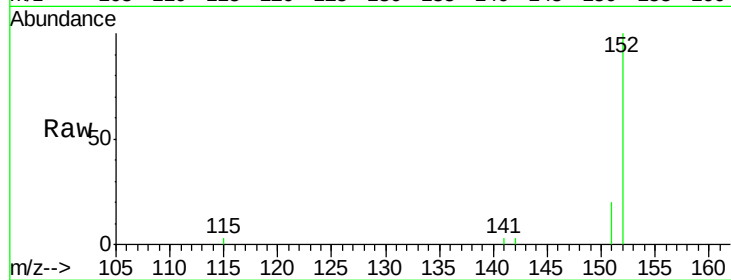
PB102310BS

Tgt Ion:152 Resp: 4756

Ion Ratio Lower Upper

152 100

151 18.1 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.250 ng

RT: 12.37 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

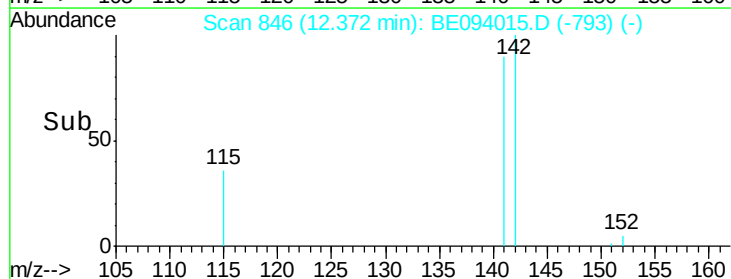
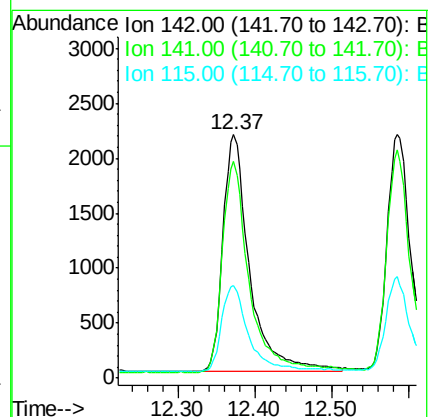
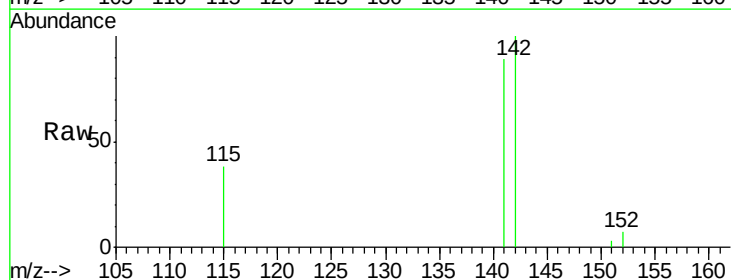
Tgt Ion:142 Resp: 5251

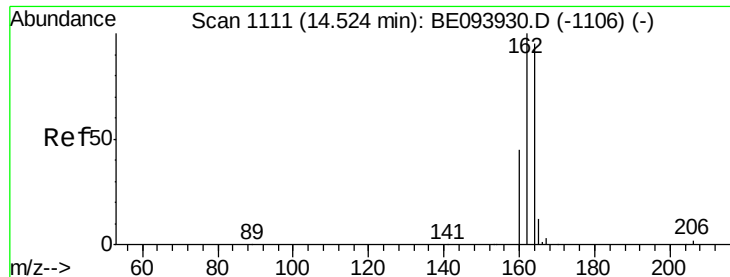
Ion Ratio Lower Upper

142 100

141 89.2 71.4 107.2

115 37.8 29.4 44.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

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ClientSampleId :

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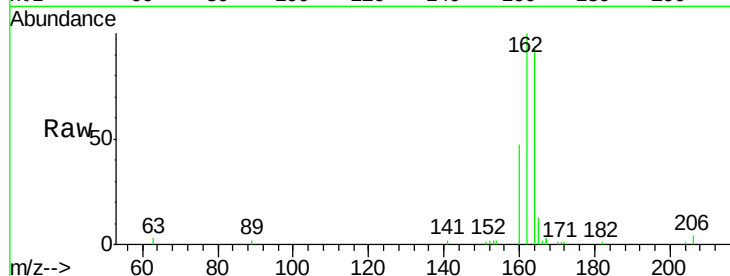
Tgt Ion:164 Resp: 6147

Ion Ratio Lower Upper

164 100

162 105.9 80.8 121.2

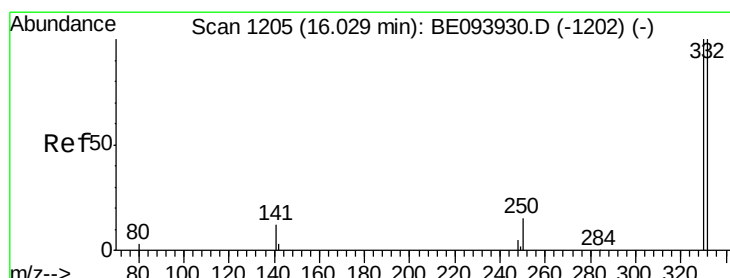
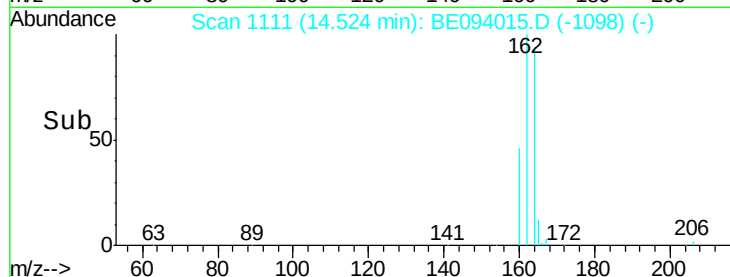
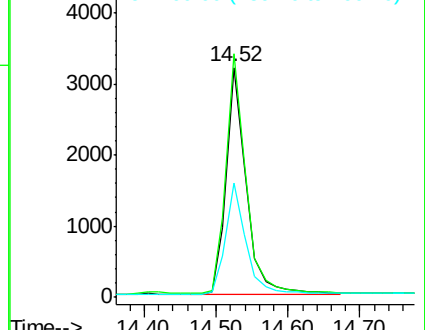
160 49.9 37.0 55.4



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: 0.256 ng

RT: 16.03 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

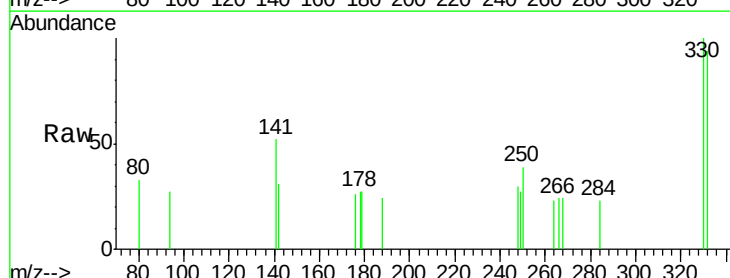
Tgt Ion:330 Resp: 487

Ion Ratio Lower Upper

330 100

332 99.6 76.9 115.3

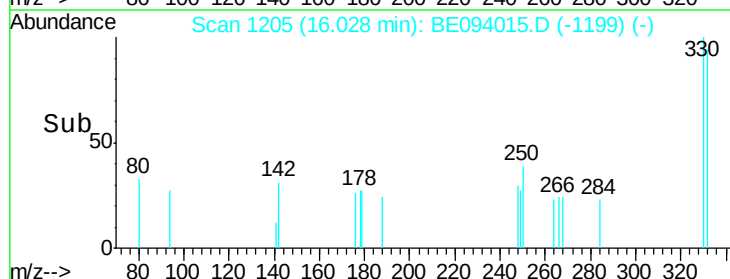
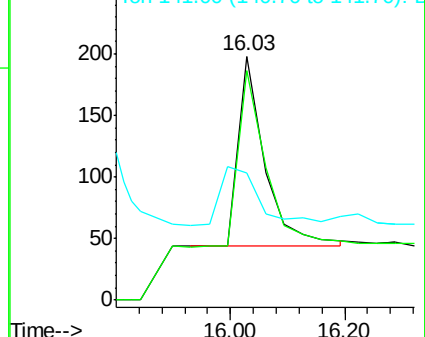
141 0.0 0.0 0.0

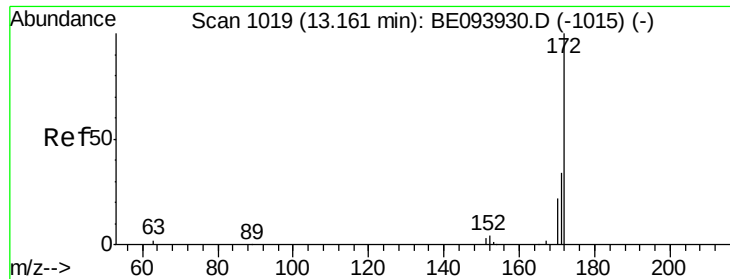


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

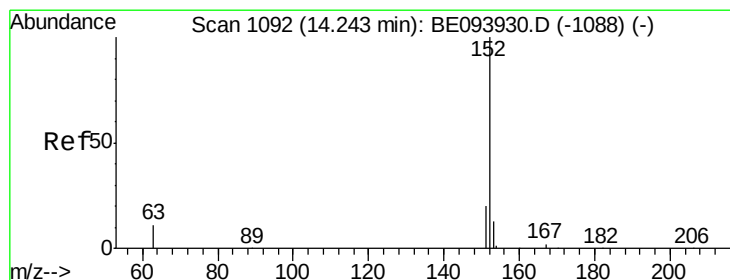
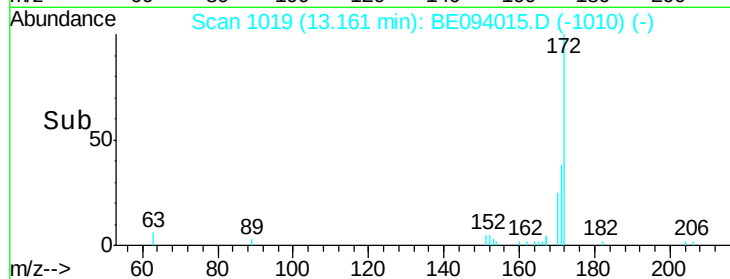
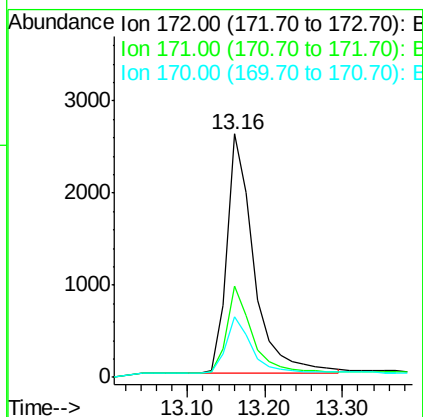
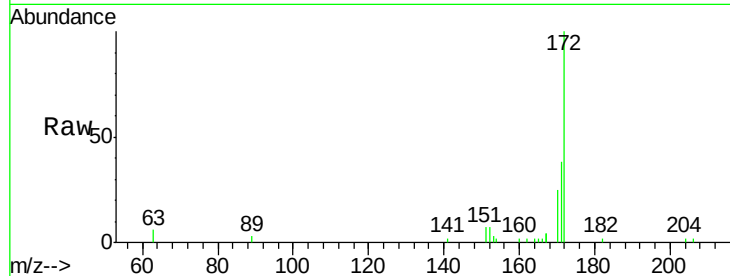




#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.16 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

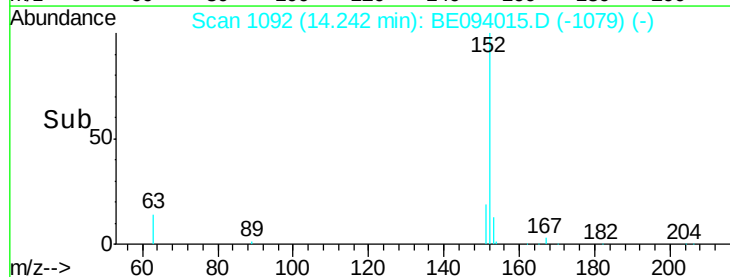
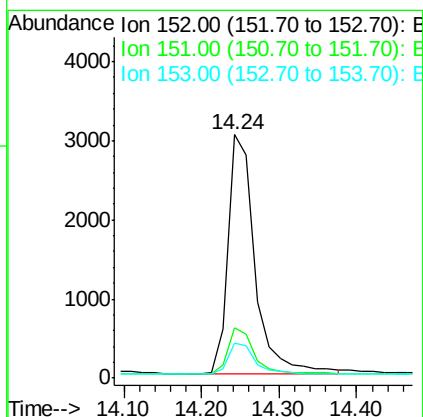
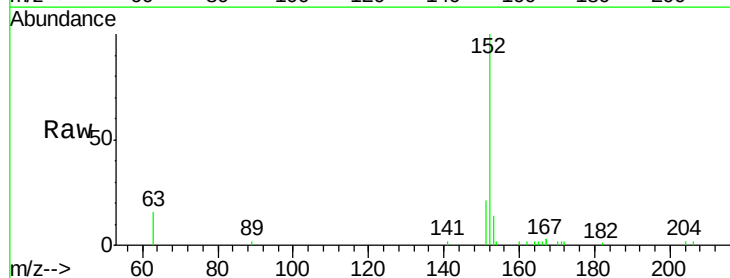
Instrument :
BNA_E
ClientSampleId :
PB102310BS

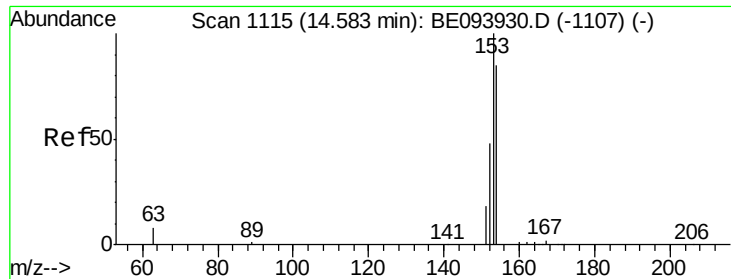
Tgt Ion:172 Resp: 6251
Ion Ratio Lower Upper
172 100
171 37.5 26.9 40.3
170 25.0 17.3 25.9



#16
Acenaphthylene
Concen: 0.237 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:152 Resp: 7275
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.5 10.6 16.0





#17

Acenaphthene

Concen: 0.246 ng

RT: 14.58 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

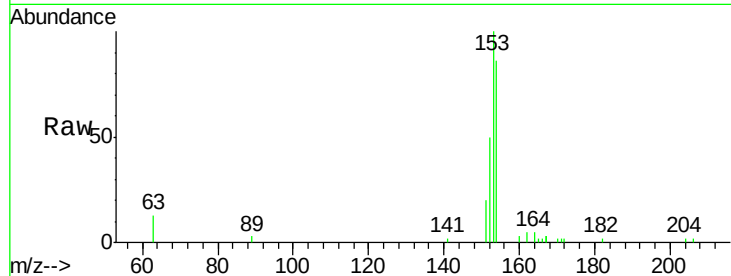
Tgt Ion:154 Resp: 5096

Ion Ratio Lower Upper

154 100

153 113.1 91.8 137.6

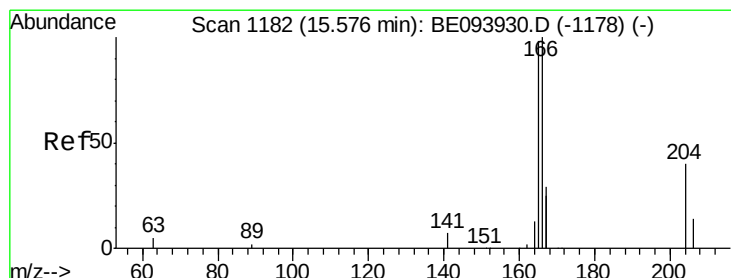
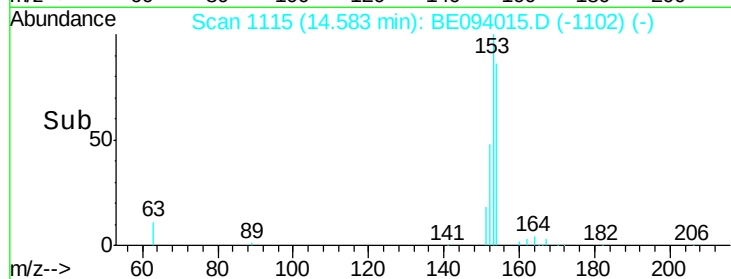
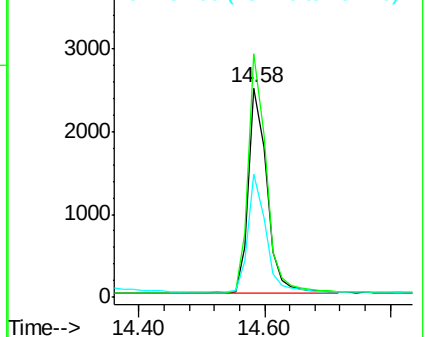
152 54.1 44.9 67.3



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: 0.258 ng

RT: 15.58 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

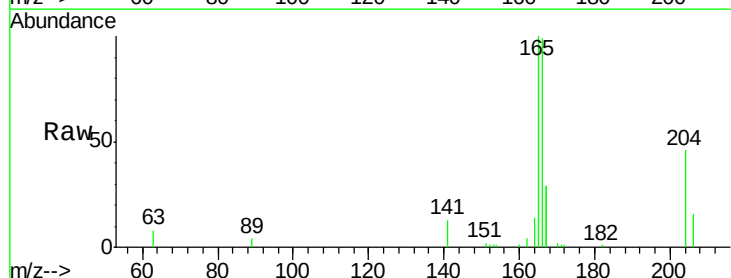
Tgt Ion:166 Resp: 6910

Ion Ratio Lower Upper

166 100

165 98.3 79.4 119.0

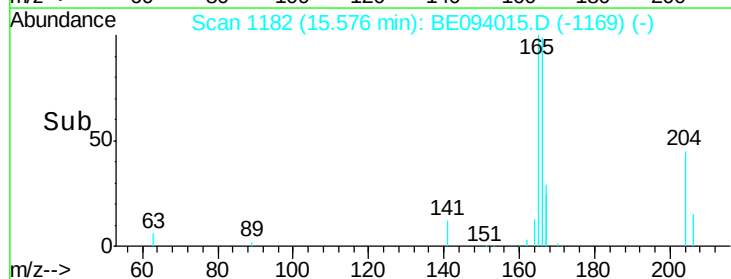
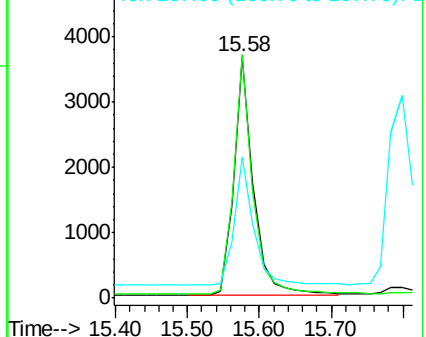
167 53.3 43.5 65.3

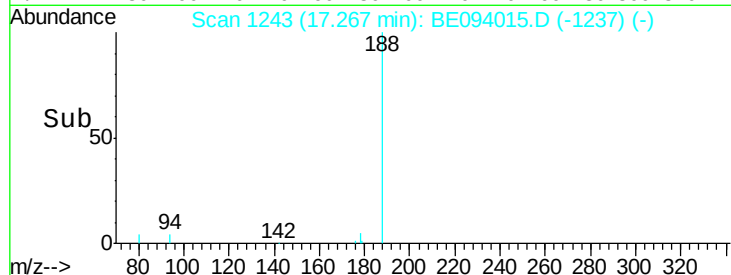
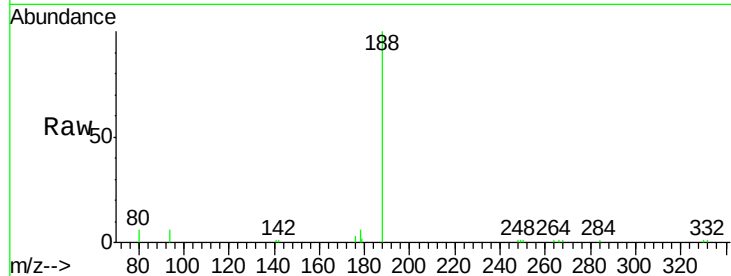
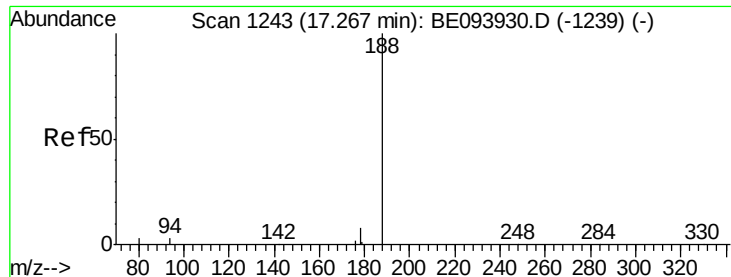


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

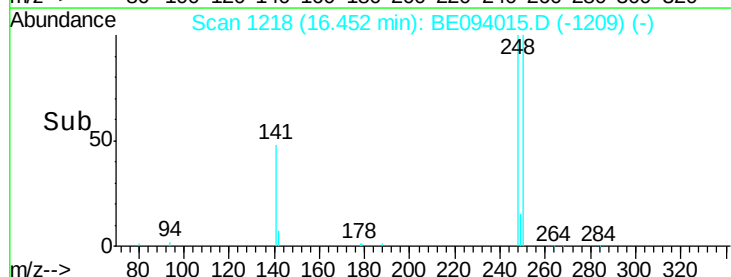
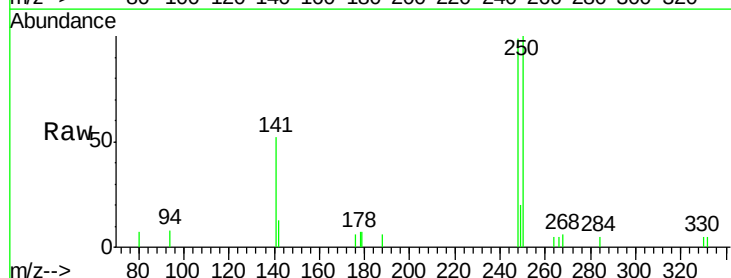
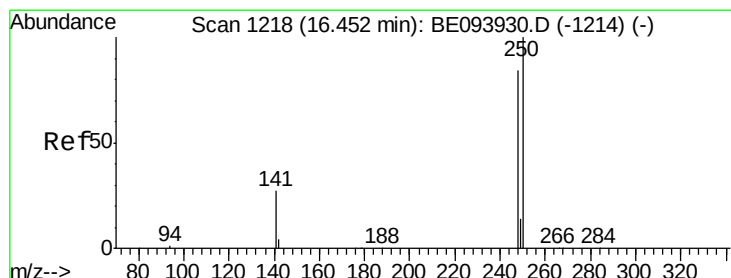
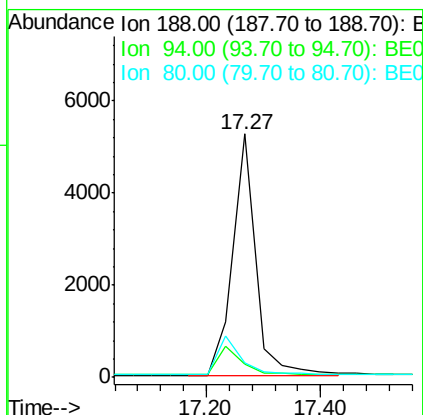
Tgt Ion:188 Resp: 14455

Ion Ratio Lower Upper

188 100

94 5.5 16.1 24.1#

80 5.7 18.2 27.2#



#20

4-Bromophenyl-phenylether

Concen: 0.220 ng

RT: 16.45 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

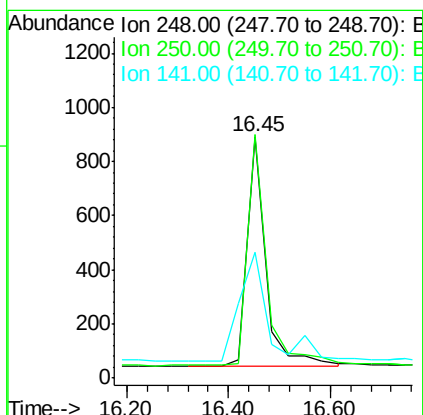
Tgt Ion:248 Resp: 2159

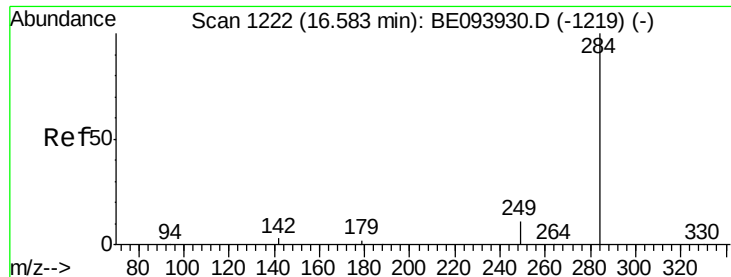
Ion Ratio Lower Upper

248 100

250 100.8 111.8 167.8#

141 52.2 27.1 40.7#

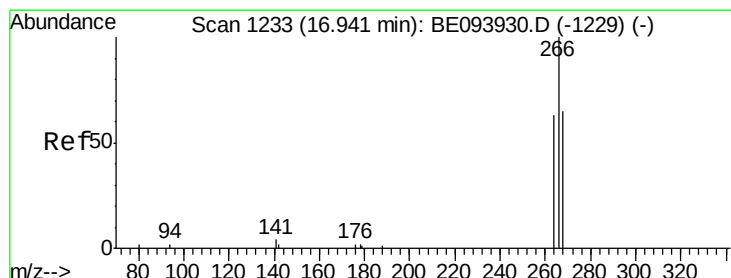
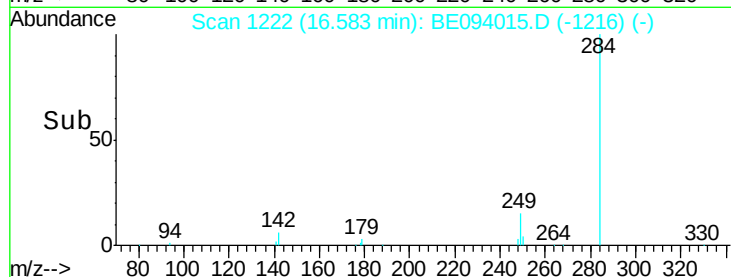
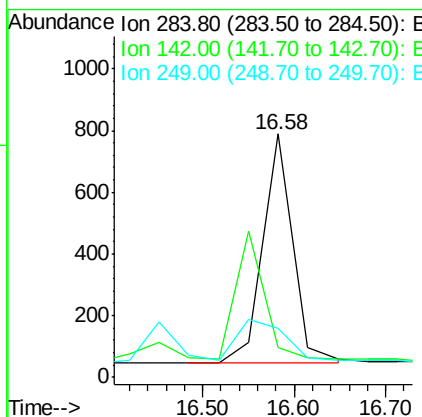
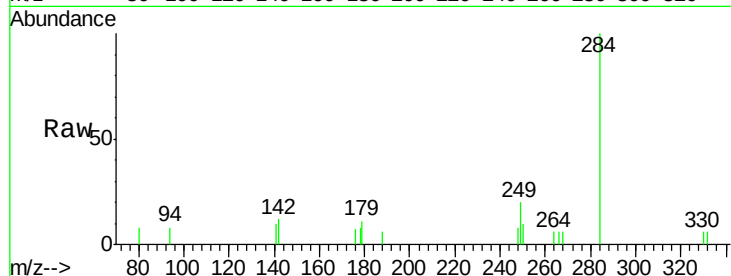




#21
Hexachlorobenzene
Concen: 0.200 ng
RT: 16.58 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

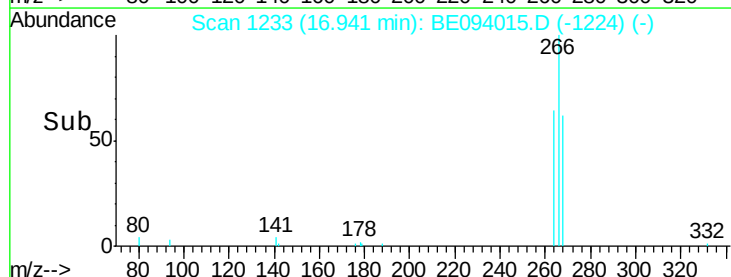
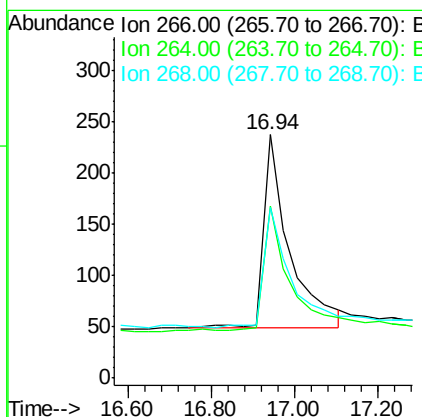
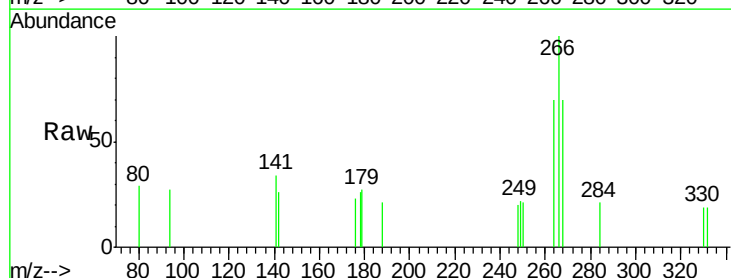
Instrument :
BNA_E
ClientSampleId :
PB102310BS

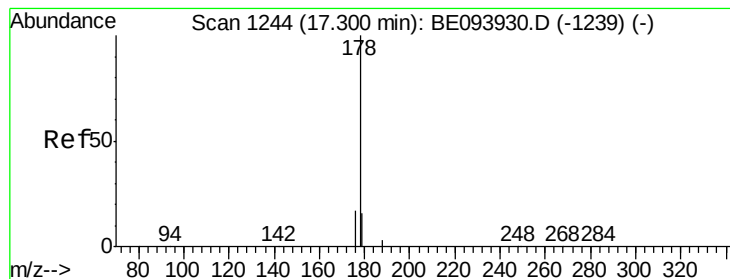
Tgt Ion: 284 Resp: 1705
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 0.352 ng
RT: 16.94 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion: 266 Resp: 808
Ion Ratio Lower Upper
266 100
264 70.5 53.5 80.3
268 70.0 60.0 90.0





#23

Phenanthrene

Concen: 0.219 ng

RT: 17.30 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

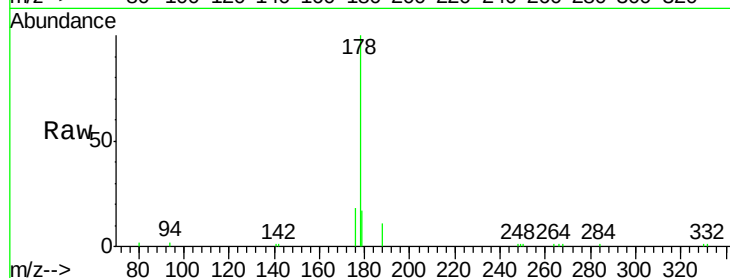
Tgt Ion:178 Resp: 13481

Ion Ratio Lower Upper

178 100

176 18.3 0.0 0.0#

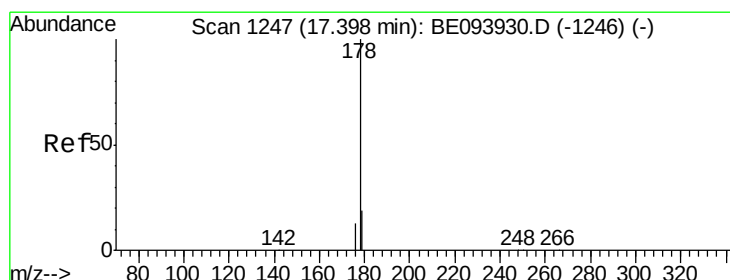
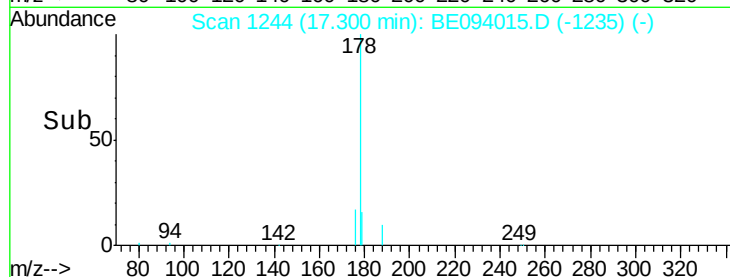
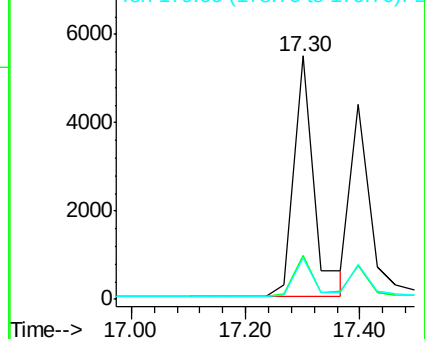
179 15.7 12.6 18.8



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: 0.238 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

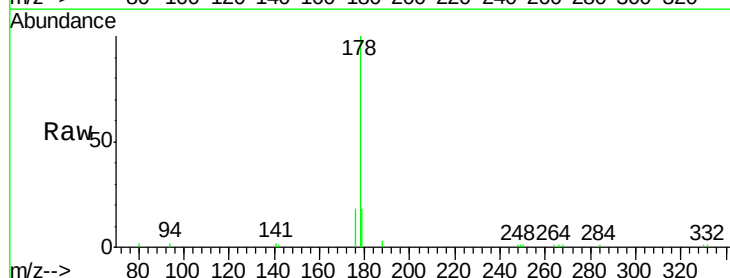
Tgt Ion:178 Resp: 10483

Ion Ratio Lower Upper

178 100

176 16.3 16.0 24.0

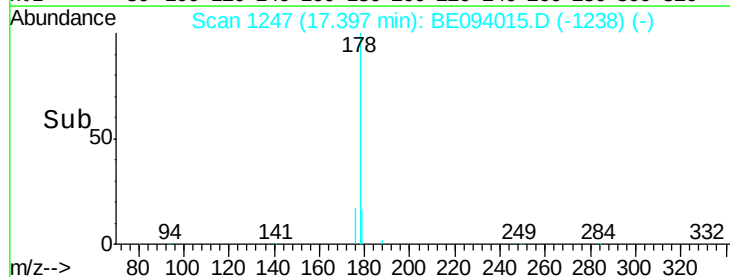
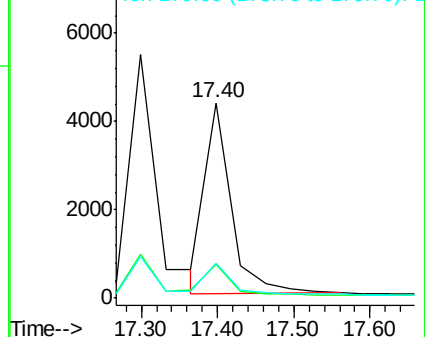
179 16.3 0.0 0.0#

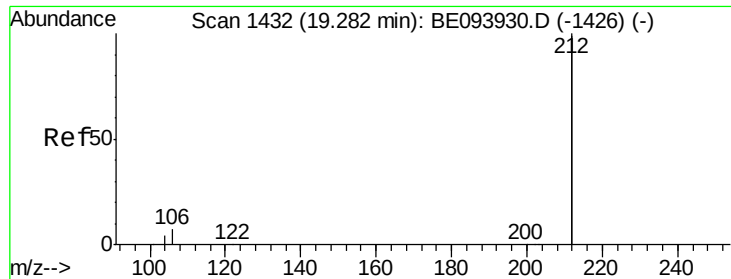


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

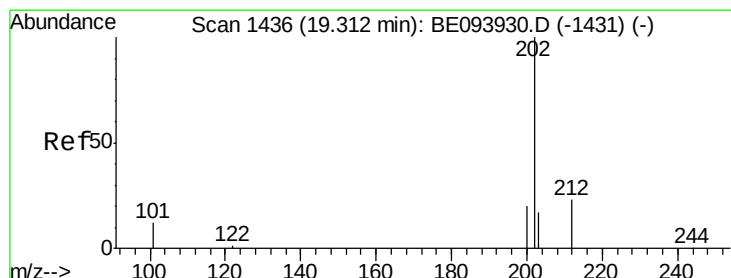
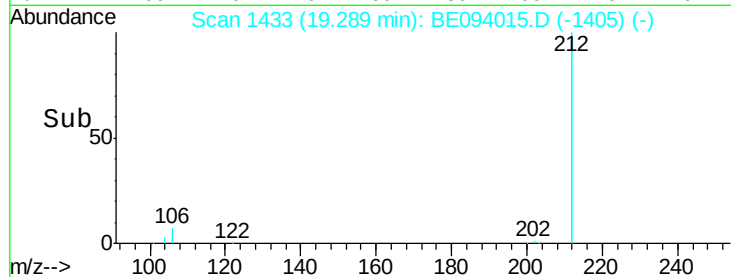
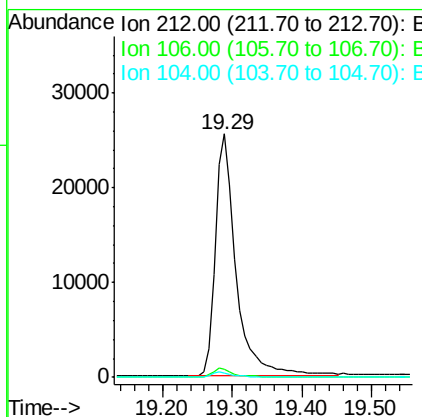
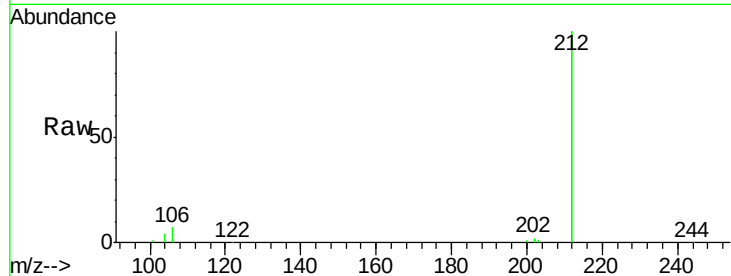




#25
 Fluoranthene-d10
 Concen: 0.242 ng
 RT: 19.29 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: BE094015.D
 Acq: 15 Sep 2017 11:01

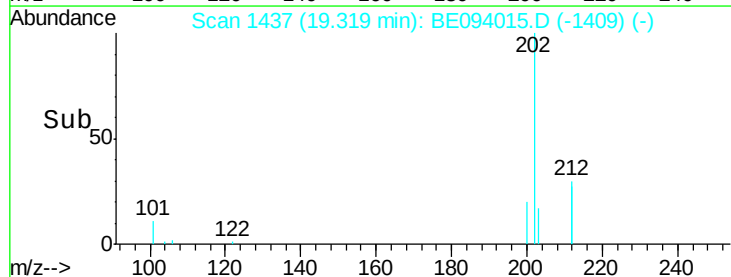
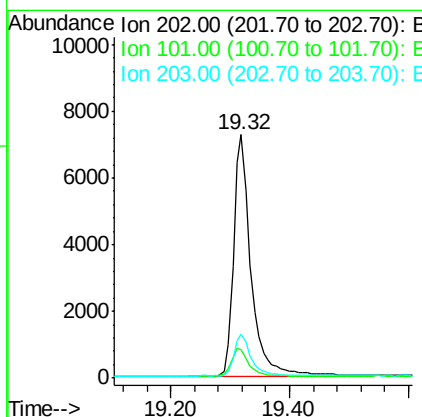
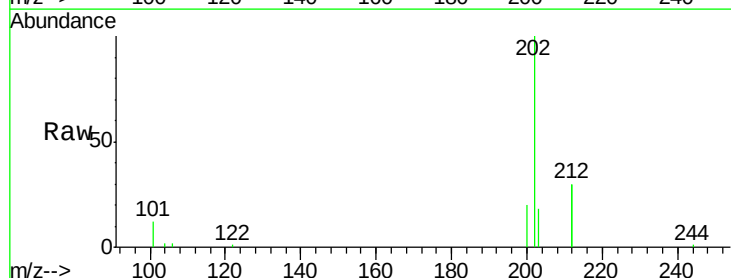
Instrument :
 BNA_E
 ClientSampleId :
 PB102310BS

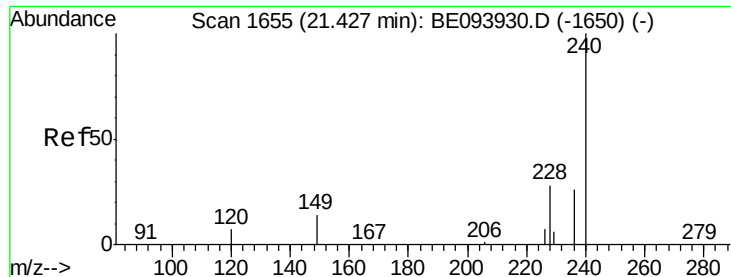
Tgt Ion: 212 Resp: 52225
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.7 4.1
 104 1.9 1.6 2.4



#26
 Fluoranthene
 Concen: 0.231 ng
 RT: 19.32 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BE094015.D
 Acq: 15 Sep 2017 11:01

Tgt Ion: 202 Resp: 14856
 Ion Ratio Lower Upper
 202 100
 101 11.6 9.7 14.5
 203 16.9 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

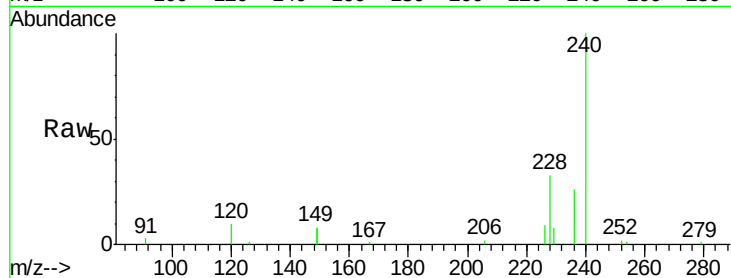
Tgt Ion:240 Resp: 17966

Ion Ratio Lower Upper

240 100

120 10.3 8.7 13.1

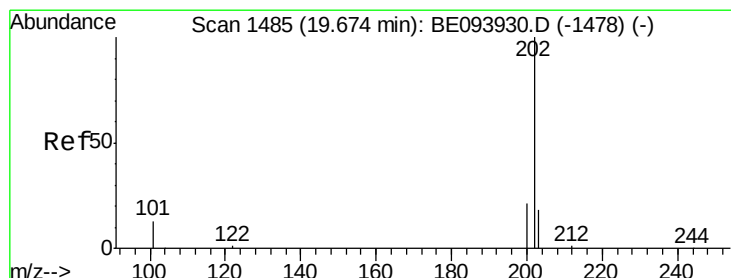
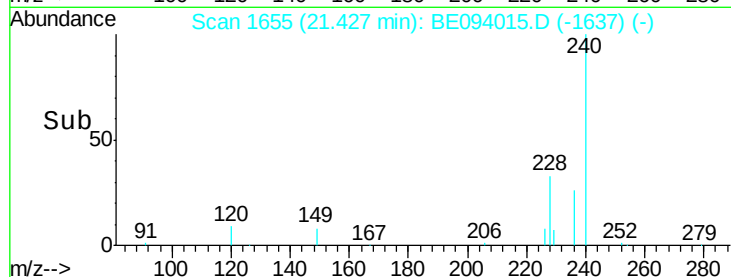
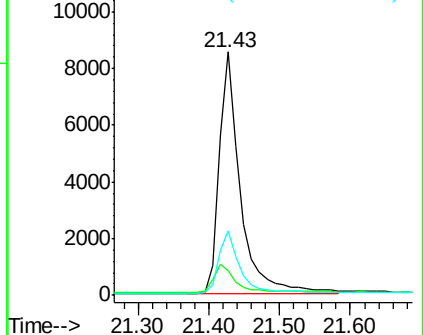
236 26.2 21.3 31.9



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: 0.243 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

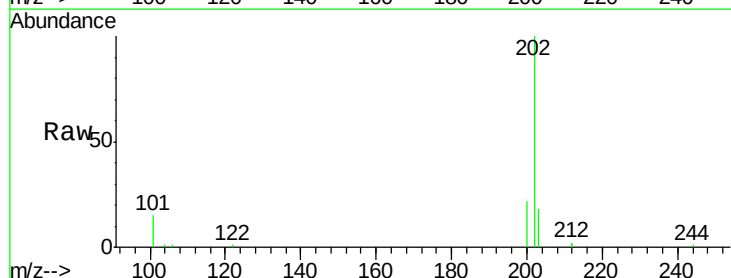
Tgt Ion:202 Resp: 15050

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

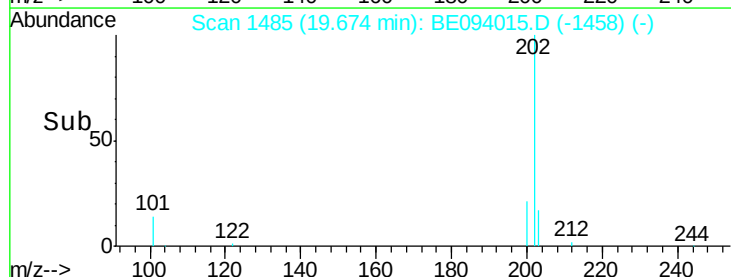
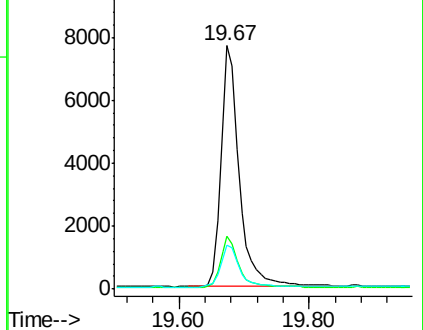
203 18.5 14.2 21.4

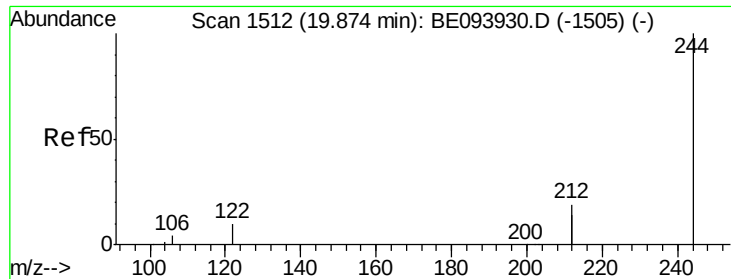


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.295 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

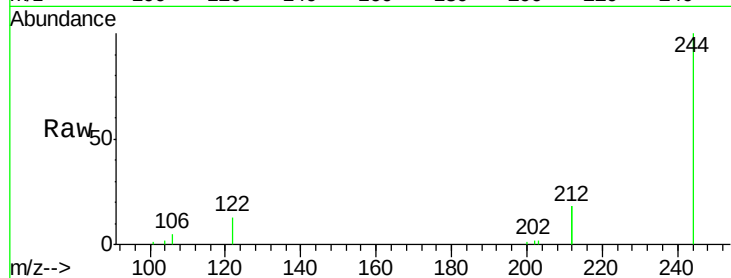
Tgt Ion:244 Resp: 9742

Ion Ratio Lower Upper

244 100

212 35.4 28.3 42.5

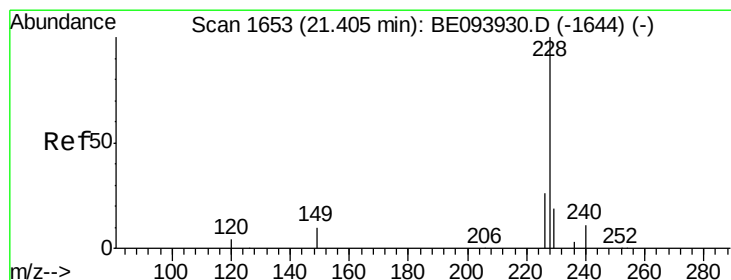
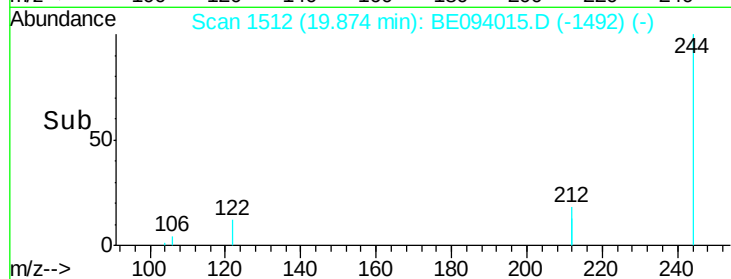
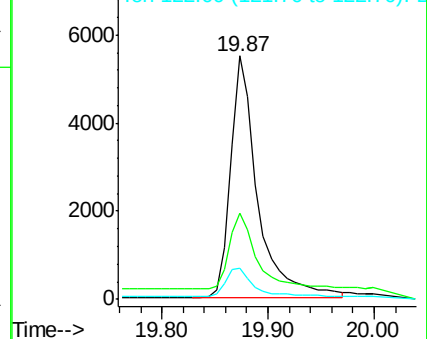
122 12.5 9.4 14.0



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: 0.230 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

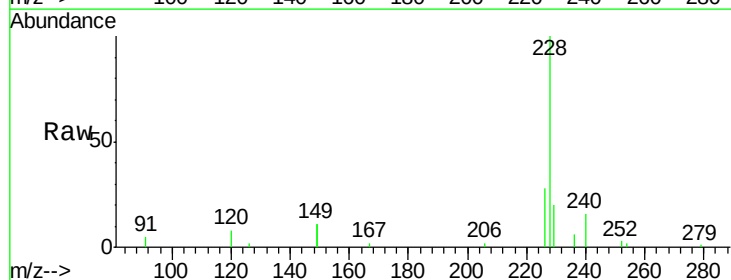
Tgt Ion:228 Resp: 12676

Ion Ratio Lower Upper

228 100

226 28.3 20.8 31.2

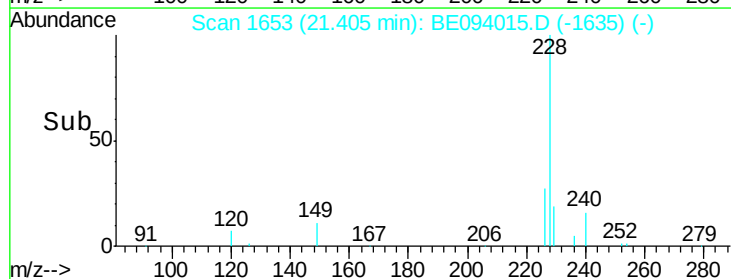
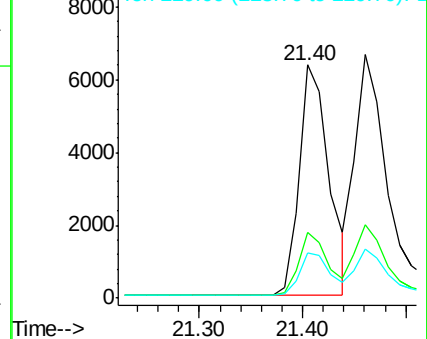
229 19.6 16.6 25.0

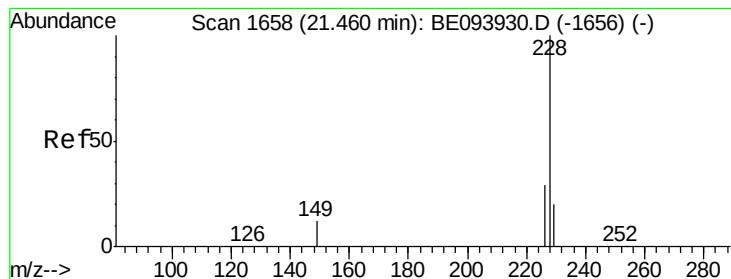


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.251 ng

RT: 21.46 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

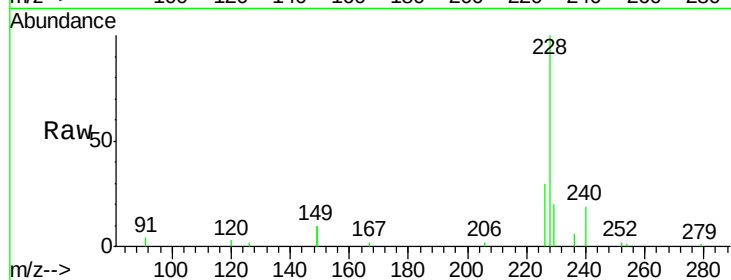
Tgt Ion: 228 Resp: 14636

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

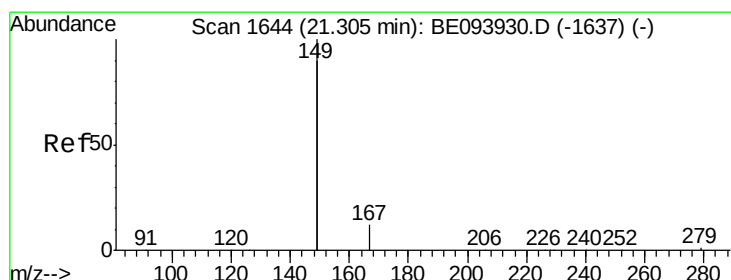
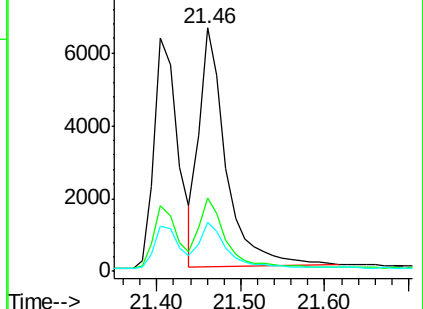
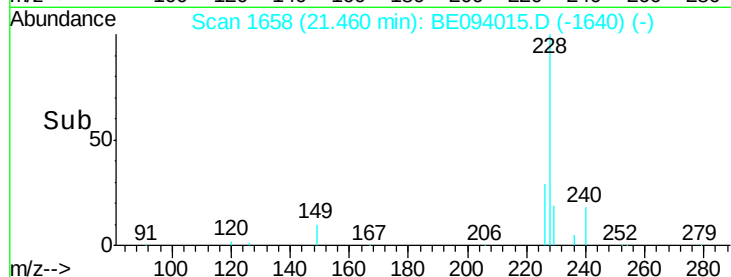
229 20.1 15.8 23.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.214 ng

RT: 21.30 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

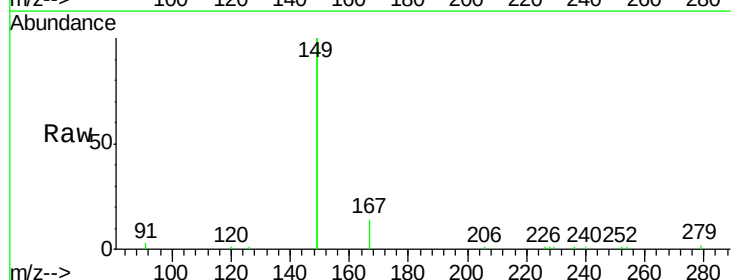
Tgt Ion: 149 Resp: 28624

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

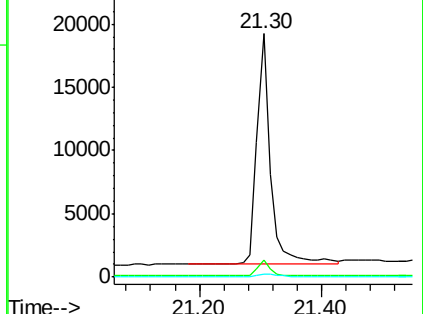
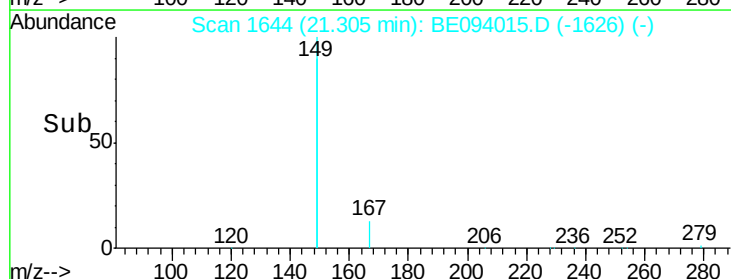
279 0.9 0.7 1.1

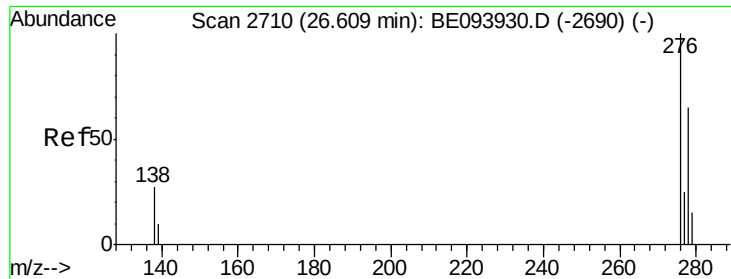


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.155 ng

RT: 26.62 min Scan# 2712

Delta R.T. 0.01 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

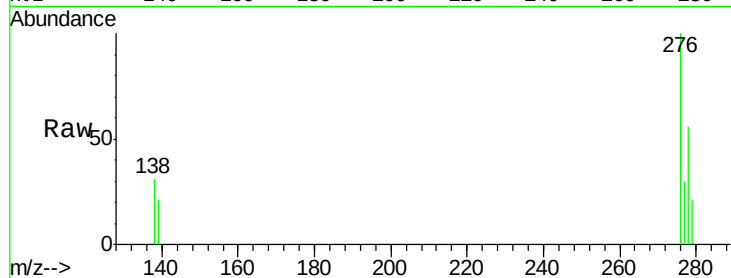
Tgt Ion:276 Resp: 6022

Ion Ratio Lower Upper

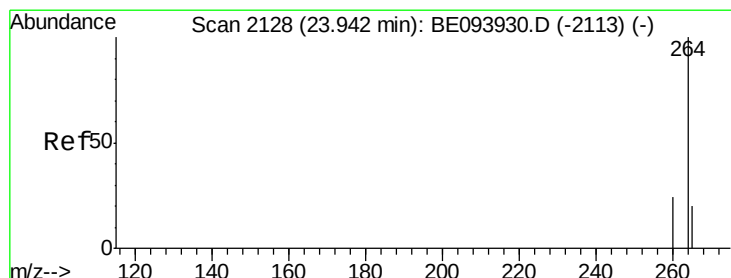
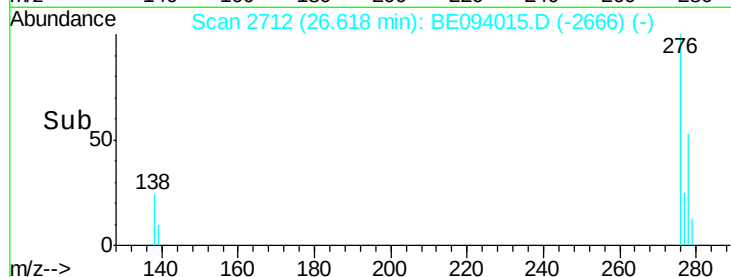
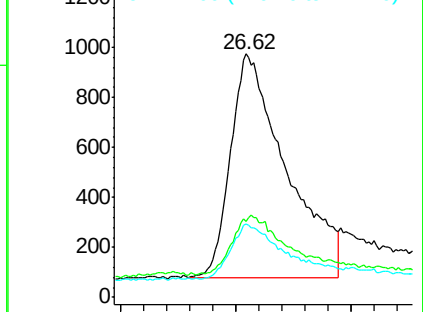
276 100

138 25.5 22.2 33.2

277 23.3 19.5 29.3



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: 0.400 ng

RT: 23.94 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

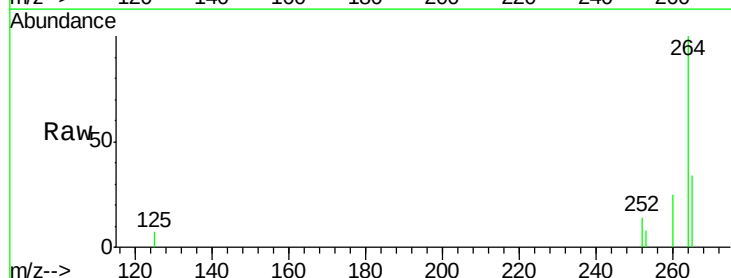
Tgt Ion:264 Resp: 12188

Ion Ratio Lower Upper

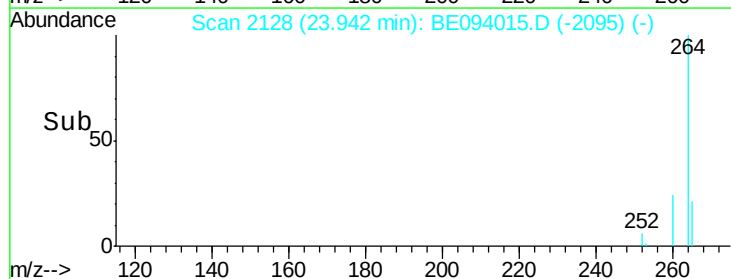
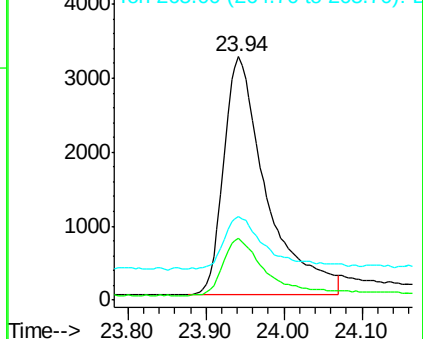
264 100

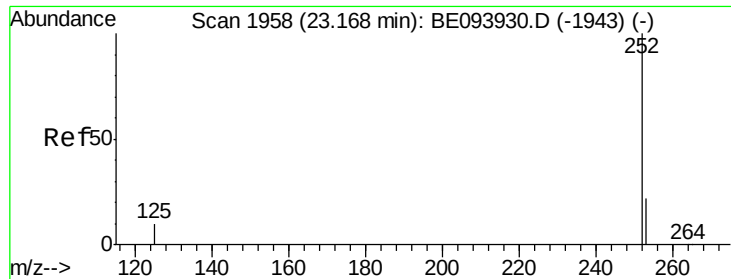
260 25.4 20.0 30.0

265 34.3 24.0 36.0



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: 0.232 ng

RT: 23.17 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

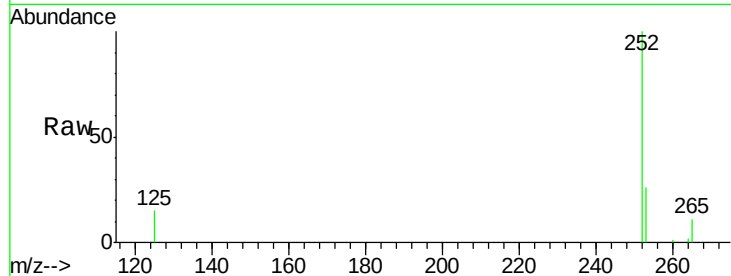
Tgt Ion:252 Resp: 8986

Ion Ratio Lower Upper

252 100

253 25.9 19.4 29.0

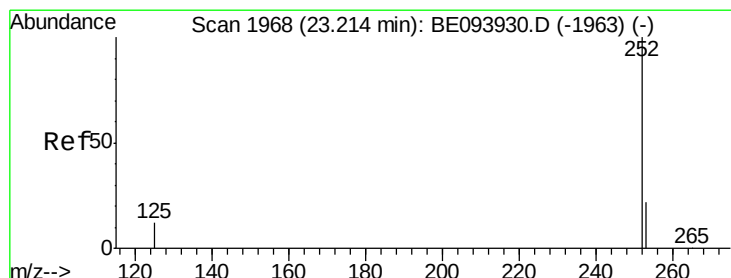
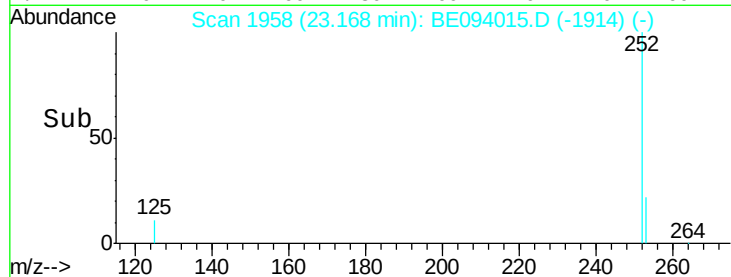
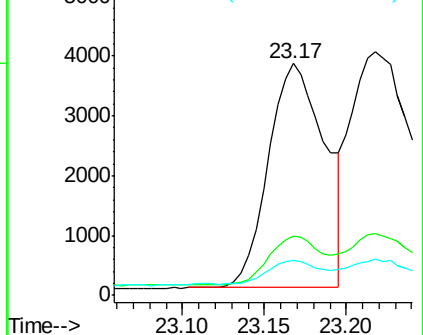
125 15.0 10.0 15.0



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: 0.287 ng

RT: 23.22 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

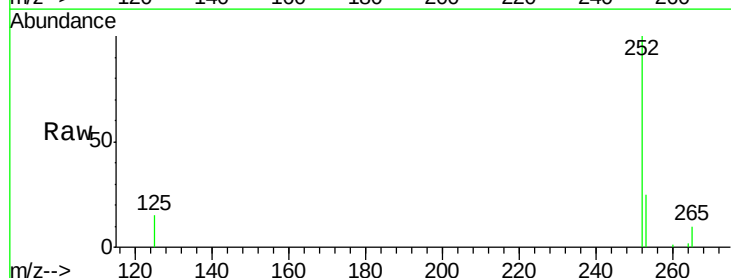
Tgt Ion:252 Resp: 13669

Ion Ratio Lower Upper

252 100

253 25.3 18.1 27.1

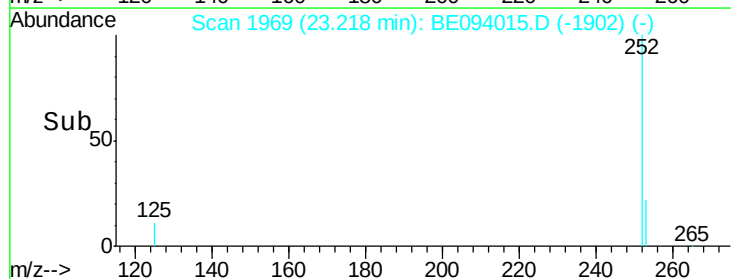
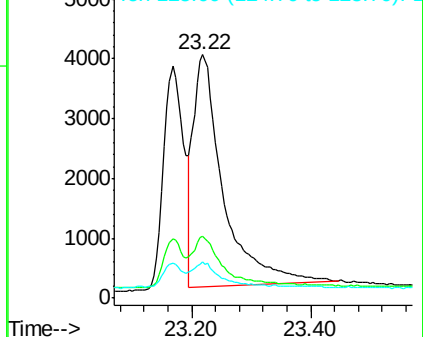
125 14.7 9.8 14.6#

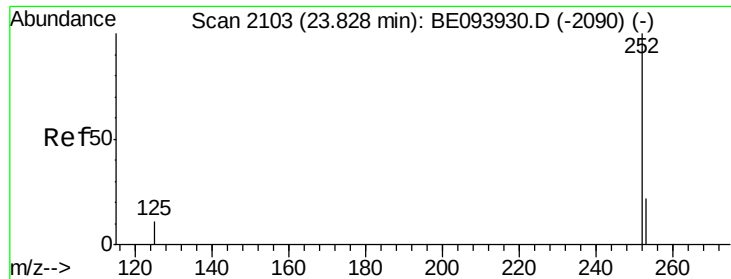


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.248 ng

RT: 23.84 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS

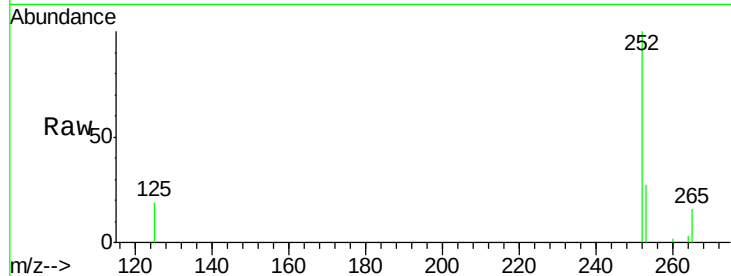
Tgt Ion:252 Resp: 9802

Ion Ratio Lower Upper

252 100

253 27.2 19.6 29.4

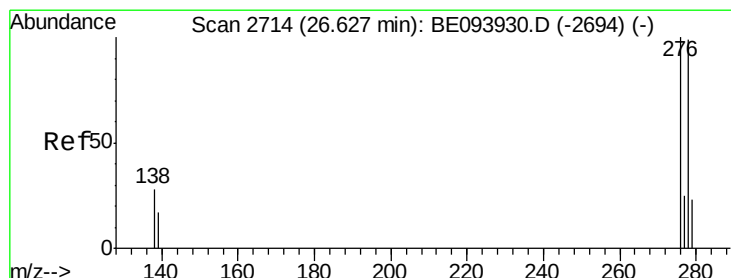
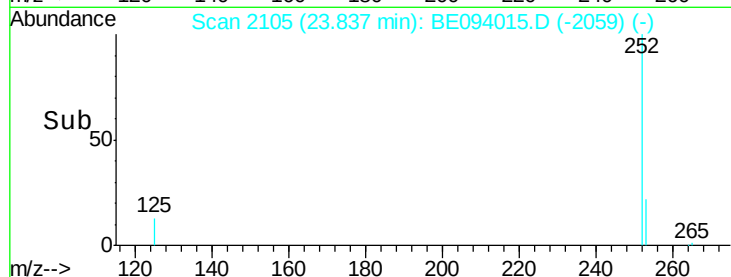
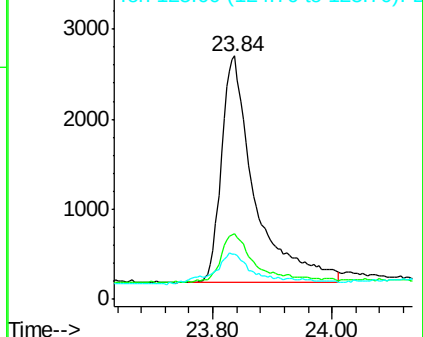
125 18.7 11.8 17.8#



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: 0.180 ng

RT: 26.65 min Scan# 2718

Delta R.T. 0.02 min

Lab File: BE094015.D

Acq: 15 Sep 2017 11:01

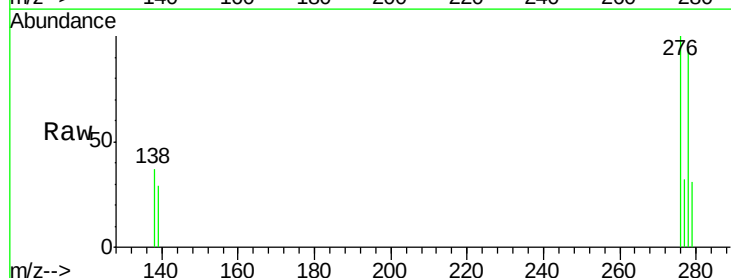
Tgt Ion:278 Resp: 4718

Ion Ratio Lower Upper

278 100

139 31.3 16.7 25.1#

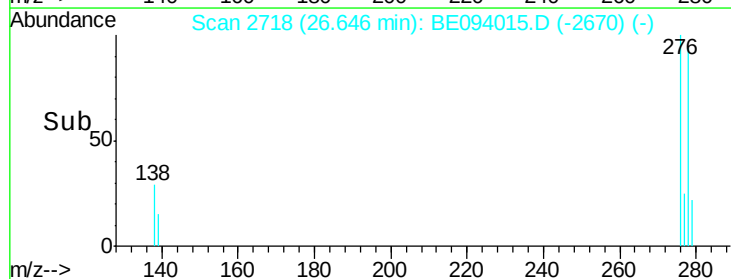
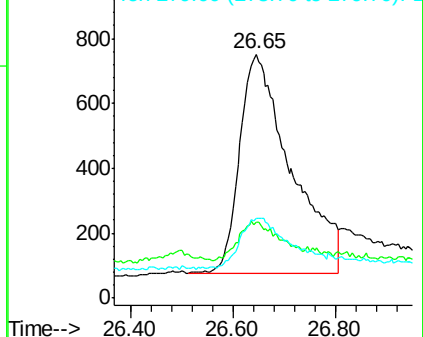
279 32.6 21.6 32.4#

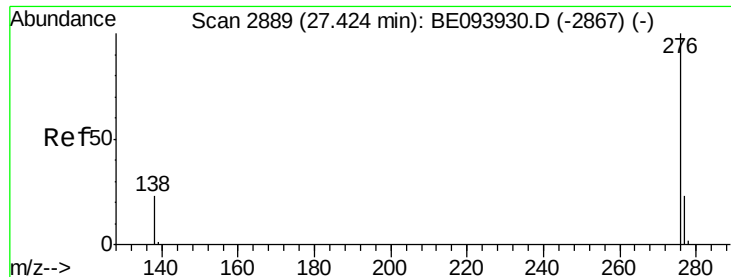


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.198 ng

RT: 27.42 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BE094015.D

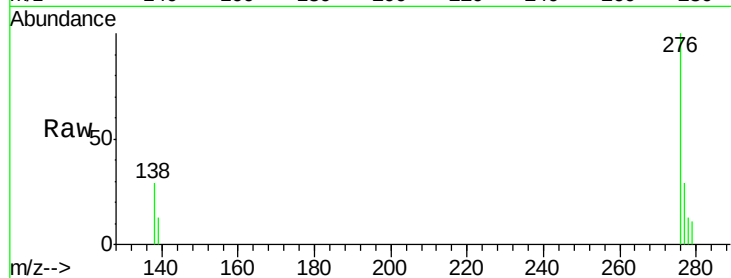
Acq: 15 Sep 2017 11:01

Instrument :

BNA_E

ClientSampleId :

PB102310BS



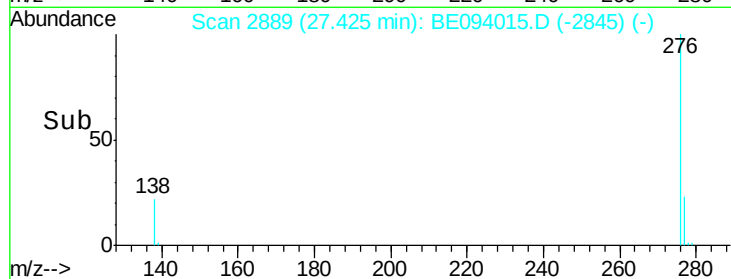
Tgt Ion: 276 Resp: 5483

Ion Ratio Lower Upper

276 100

277 29.4 20.6 30.8

138 29.5 21.9 32.9



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

