

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094082.D
 Acq On : 23 Sep 2017 17:36
 Operator : SJ/JU
 Sample : PB102533BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102533BS

Quant Time: Sep 25 13:10:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 13:07:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	835	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	3958	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	2489	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11613	0.40	ng	0.00
27) Chrysene-d12	21.40	240	19080	0.40	ng	0.00
34) Perylene-d12	23.91	264	14170	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.50	112	1416	0.27	ng	0.00
5) Phenol-d6	7.09	99	1624	0.33	ng	0.00
8) Nitrobenzene-d5	9.06	82	1110	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	2057	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	221	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	3046	0.37	ng	0.00
25) Fluoranthene-d10	19.26	212	56784	0.38	ng	0.00
29) Terphenyl-d14	19.84	244	10008	0.33	ng	0.00

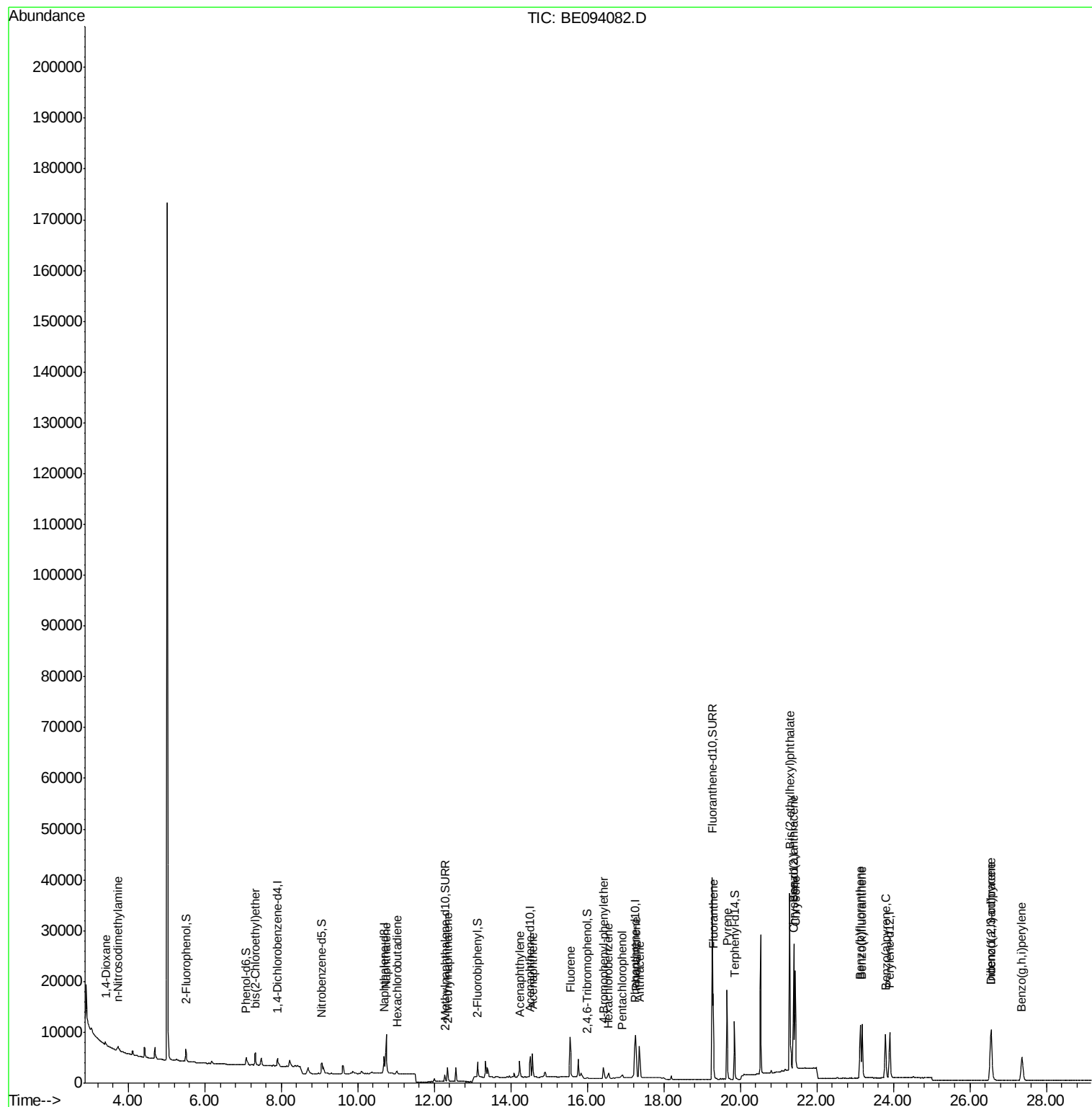
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	415	0.164	ng	# 1
3) n-Nitrosodimethylamine	3.72	42	676	0.322	ng	# 71
6) bis(2-Chloroethyl)ether	7.33	93	980	0.266	ng	91
9) Naphthalene	10.74	128	13998	0.278	ng	99
10) Hexachlorobutadiene	11.03	225	461	0.288	ng	98
12) 2-Methylnaphthalene	12.35	142	2269	0.284	ng	97
16) Acenaphthylene	14.23	152	3683	0.294	ng	99
17) Acenaphthene	14.57	154	2421	0.291	ng	95
18) Fluorene	15.55	166	3819	0.309	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1666	0.268	ng	95
21) Hexachlorobenzene	16.55	284	1240	0.272	ng	90
22) Pentachlorophenol	16.91	266	819	2.524	ng	# 74
23) Phenanthrene	17.27	178	12756	0.307	ng	99
24) Anthracene	17.37	178	9460	0.295	ng	100
26) Fluoranthene	19.29	202	15061	0.337	ng	99
28) Pyrene	19.65	202	16443	0.311	ng	99
30) Benzo(a)anthracene	21.38	228	19770	0.309	ng	100
31) Chrysene	21.44	228	18135	0.290	ng	100
32) Bis(2-ethylhexyl)phthalate	21.29	149	43301	0.252	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	13995	0.289	ng	99
35) Benzo(b)fluoranthene	23.13	252	16020	0.312	ng	99
36) Benzo(k)fluoranthene	23.18	252	15485	0.301	ng	99
37) Benzo(a)pyrene	23.79	252	14297	0.310	ng	100
38) Dibenzo(a,h)anthracene	26.56	278	11758	0.319	ng	99
39) Benzo(g,h,i)perylene	27.36	276	11955	0.324	ng	97

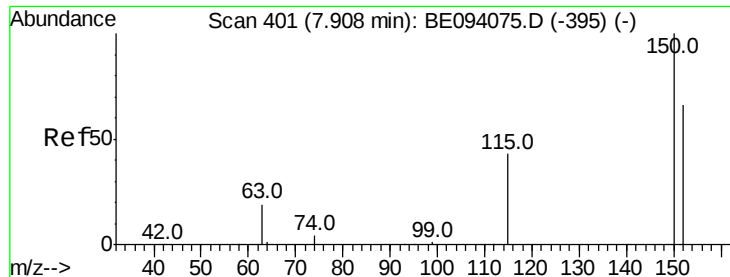
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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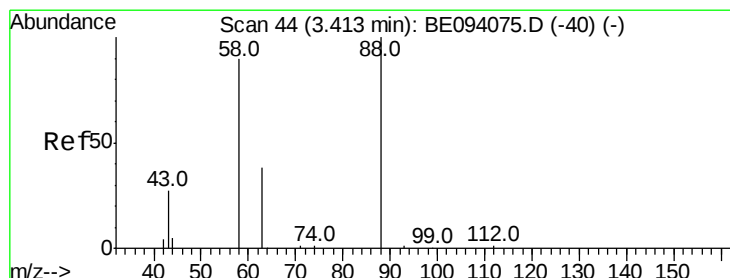
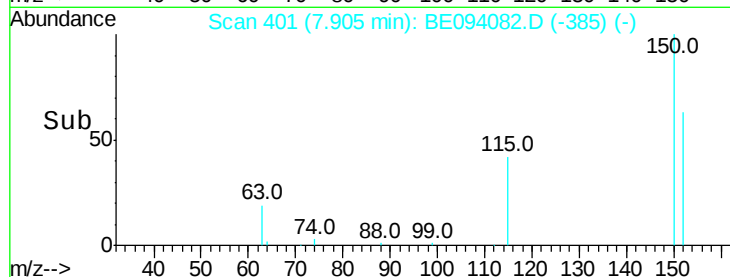
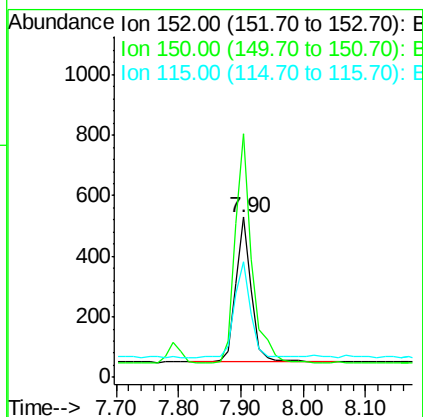
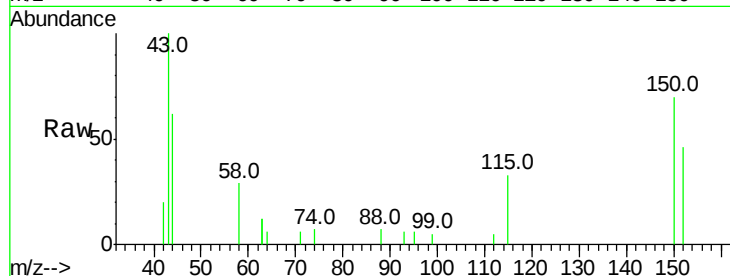


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.90 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BE094082.D
 Acq: 23 Sep 2017 17:36

Instrument :
 BNA_E
 ClientSampleId :
 PB102533BS

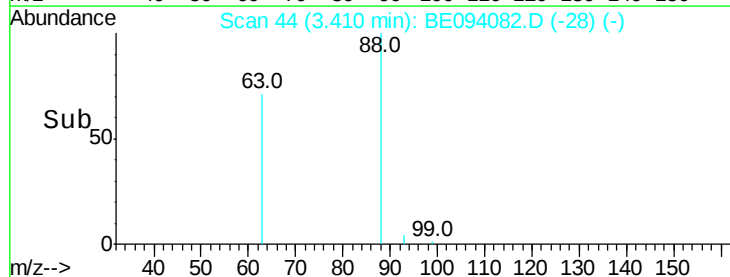
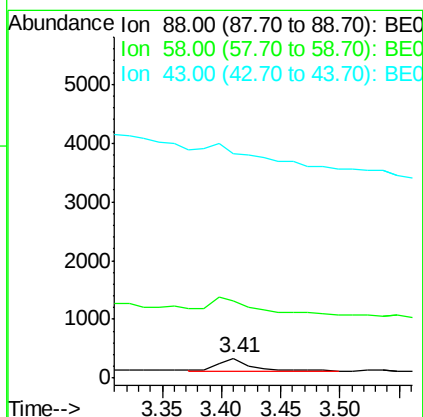
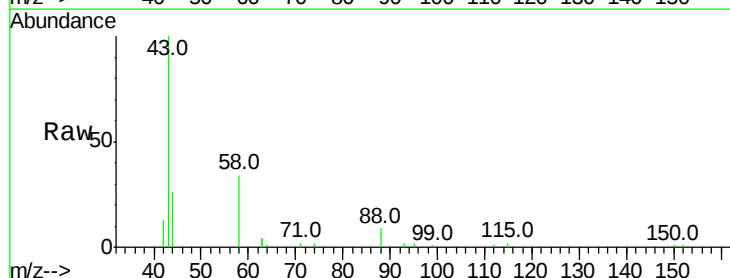
Tot Ion:152 Resp: 835
 Ion Ratio Lower Upper
 152 100
 150 152.0 117.2 175.8
 115 72.6 57.0 85.6

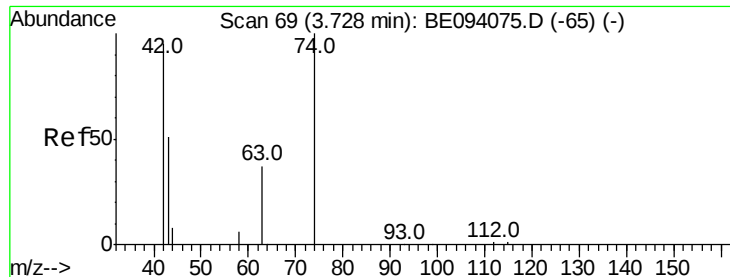


#2

1,4-Dioxane
 Concen: 0.164 ng
 RT: 3.41 min Scan# 44
 Delta R.T. -0.00 min
 Lab File: BE094082.D
 Acq: 23 Sep 2017 17:36

Tgt Ion: 88 Resp: 415
 Ion Ratio Lower Upper
 88 100
 58 283.9 63.2 94.8#
 43 0.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.322 ng

RT: 3.72 min Scan# 69

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

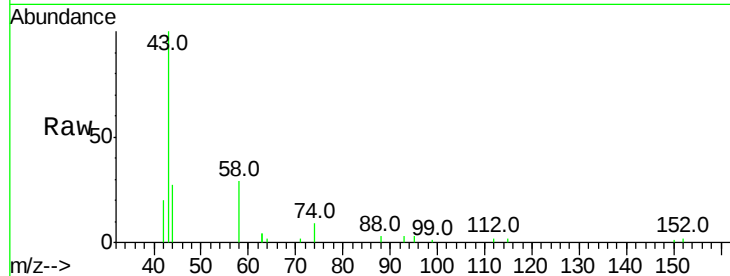
Tot Ion: 42 Resp: 676

Ion Ratio Lower Upper

42 100

74 95.7 100.3 150.5#

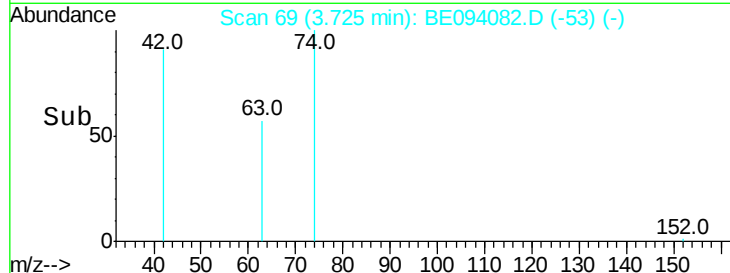
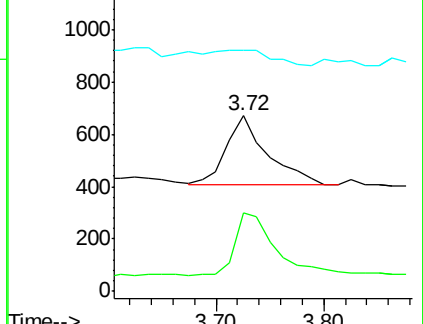
44 0.0 17.0 25.4#



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: 0.268 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

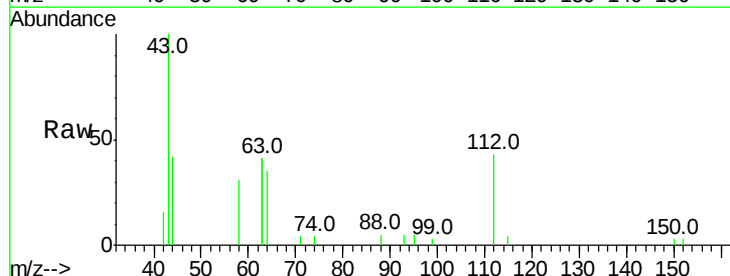
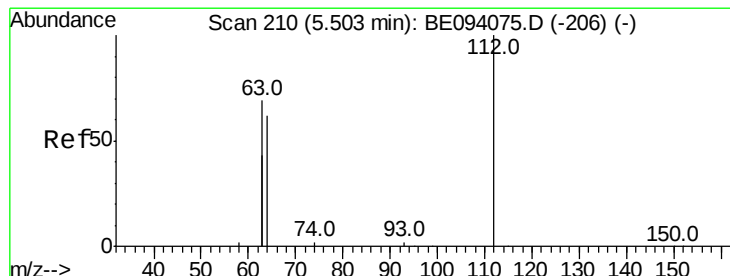
Tgt Ion: 112 Resp: 1416

Ion Ratio Lower Upper

112 100

64 74.9 60.1 90.1

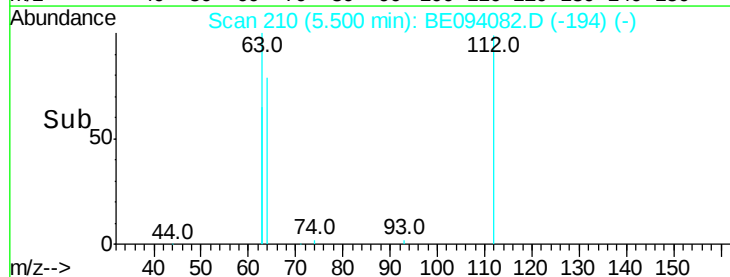
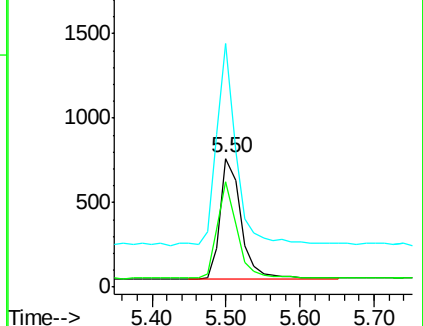
63 158.1 116.8 175.2

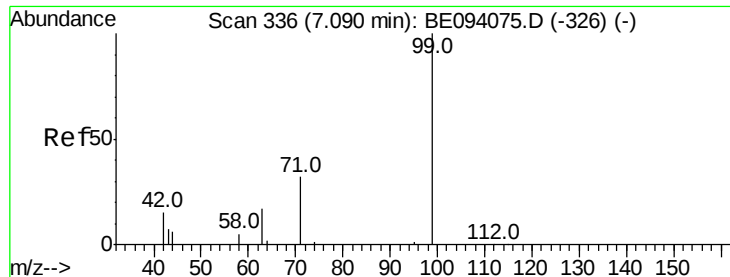


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.329 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

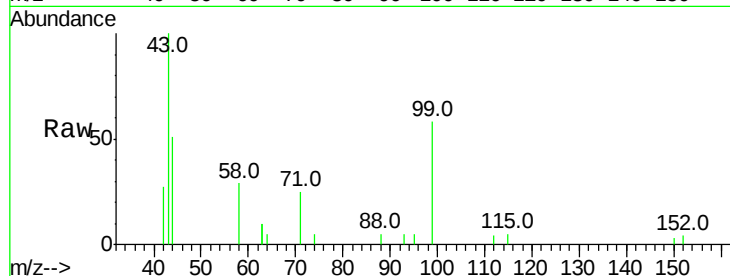
Tot Ion: 99 Resp: 1624

Ion Ratio Lower Upper

99 100

42 25.7 20.2 30.2

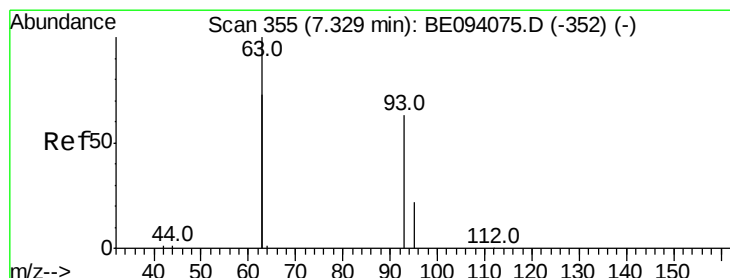
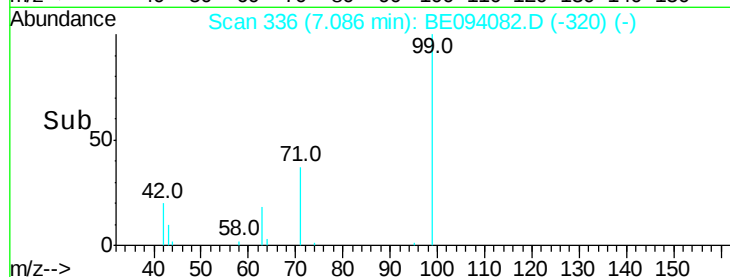
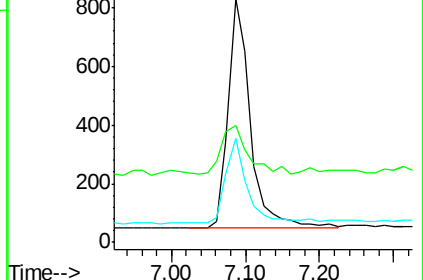
71 36.0 28.4 42.6



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: 0.266 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

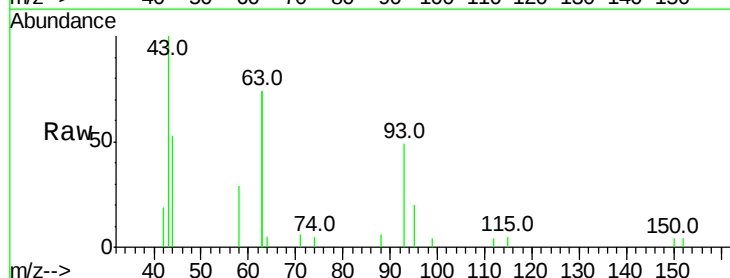
Tgt Ion: 93 Resp: 980

Ion Ratio Lower Upper

93 100

63 363.8 275.3 412.9

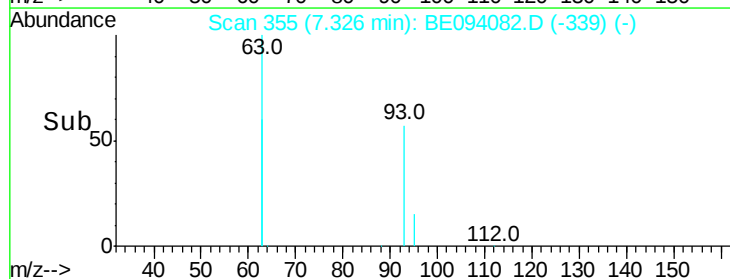
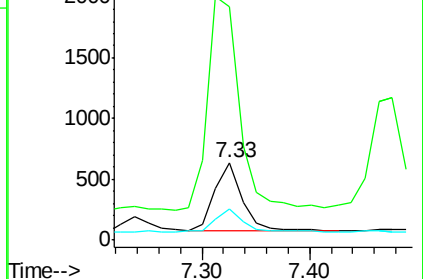
95 36.0 25.2 37.8

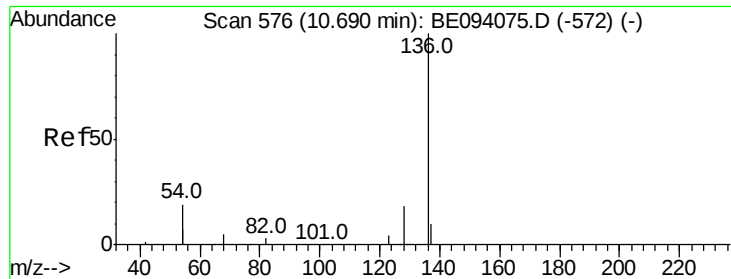


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

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ClientSampleId :

PB102533BS

Tot Ion:136 Resp: 3958

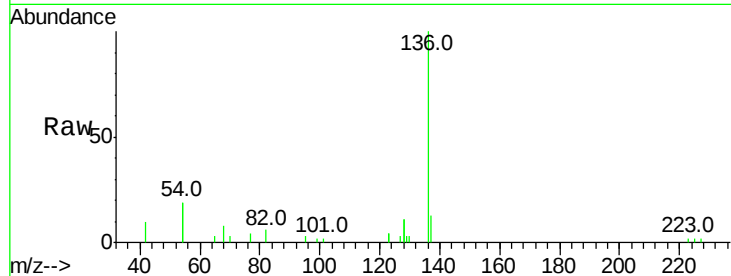
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 38.4 29.1 43.7

68 8.1 6.2 9.2

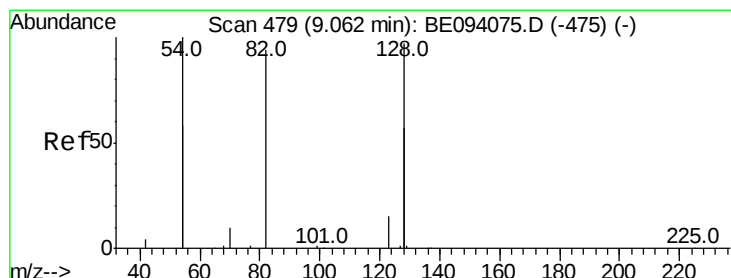
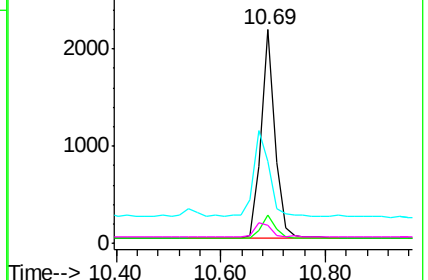
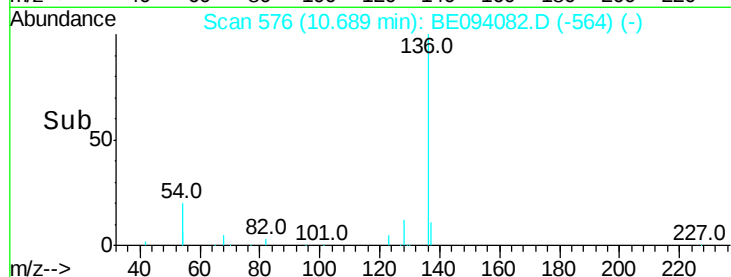


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.315 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

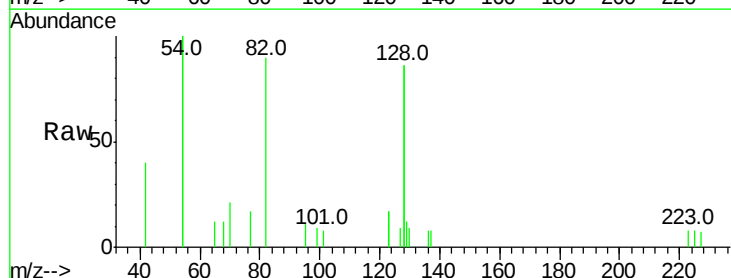
Tgt Ion: 82 Resp: 1110

Ion Ratio Lower Upper

82 100

128 190.6 150.0 225.0

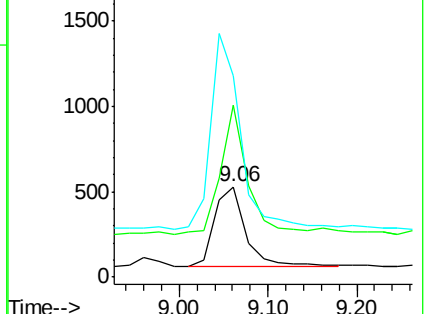
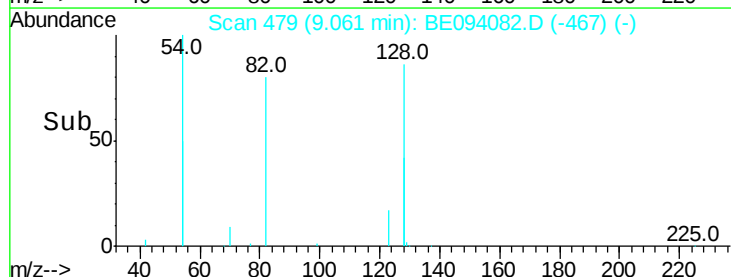
54 221.9 154.2 231.4

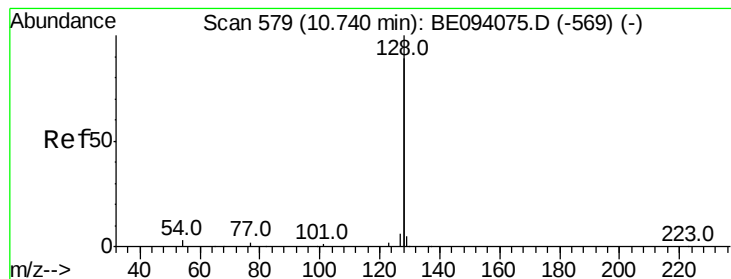


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.278 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094082.D

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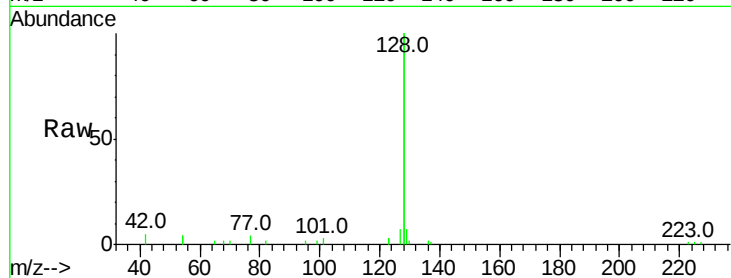
Tot Ion:128 Resp: 13998

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

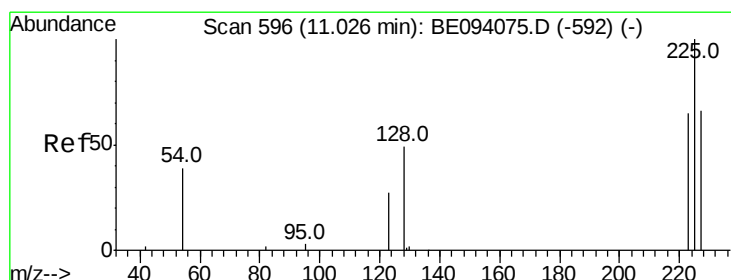
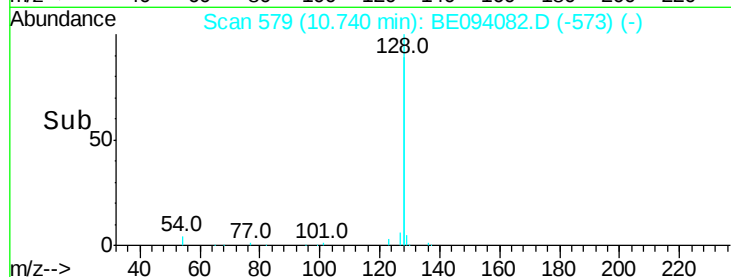
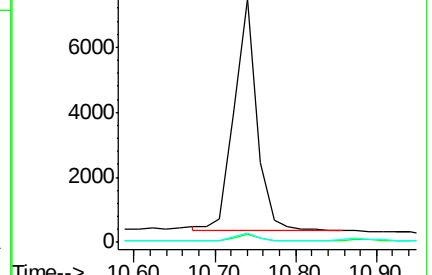
127 3.6 2.8 4.2



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: 0.288 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

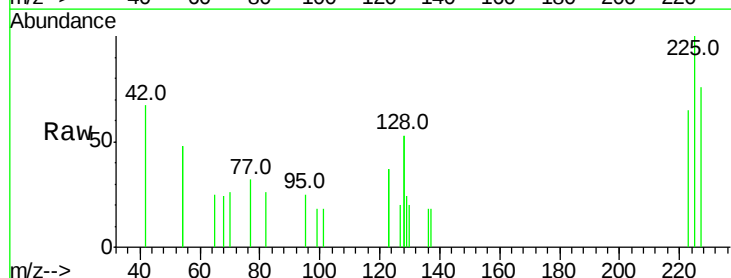
Tgt Ion:225 Resp: 461

Ion Ratio Lower Upper

225 100

223 64.6 53.0 79.6

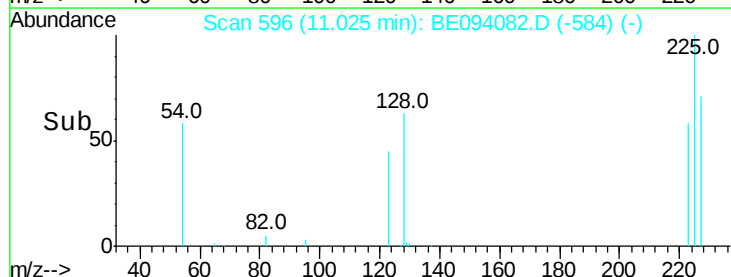
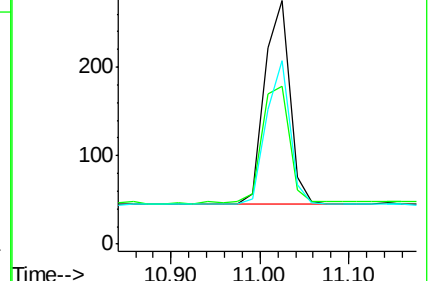
227 66.6 51.4 77.2

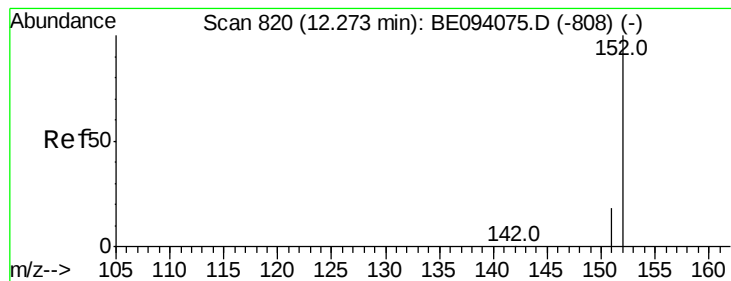


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.307 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

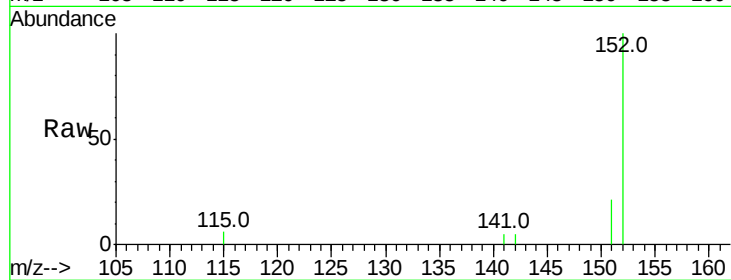
PB102533BS

Tot Ion:152 Resp: 2057

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

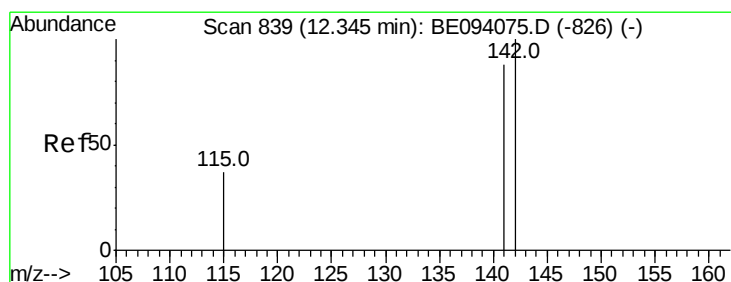
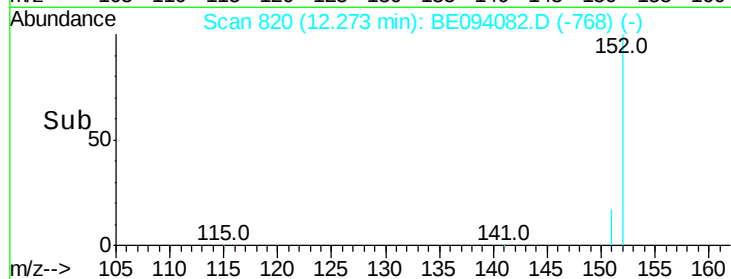
12.27

1000

500

0

Time--> 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.284 ng

RT: 12.35 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

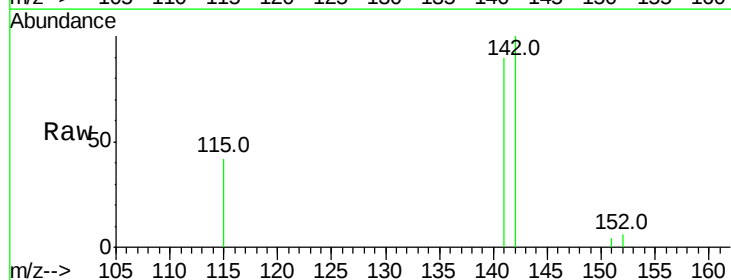
Tgt Ion:142 Resp: 2269

Ion Ratio Lower Upper

142 100

141 90.1 70.4 105.6

115 42.1 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.35

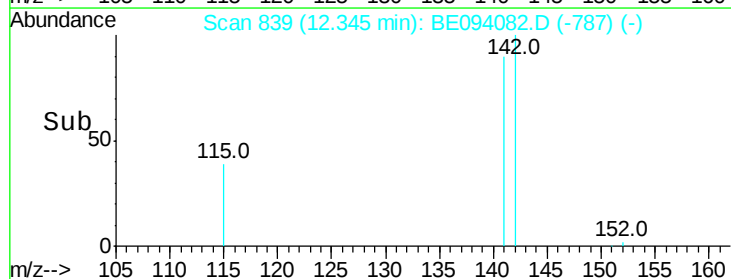
1500

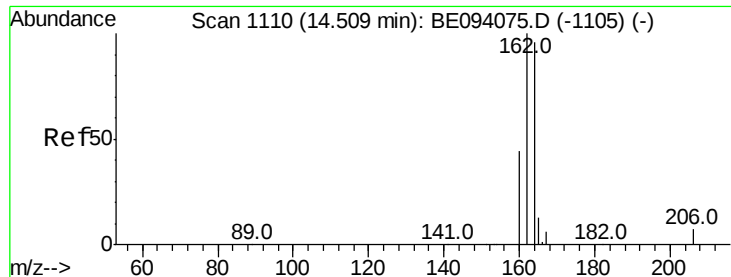
1000

500

0

Time--> 12.30 12.40

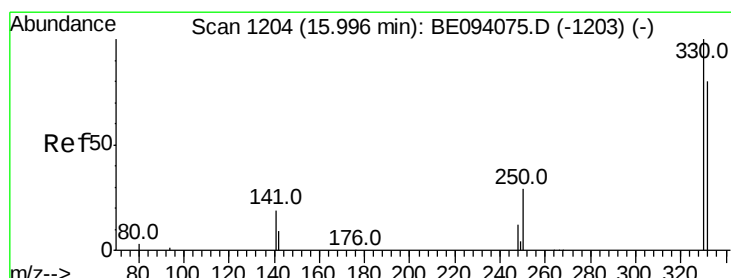
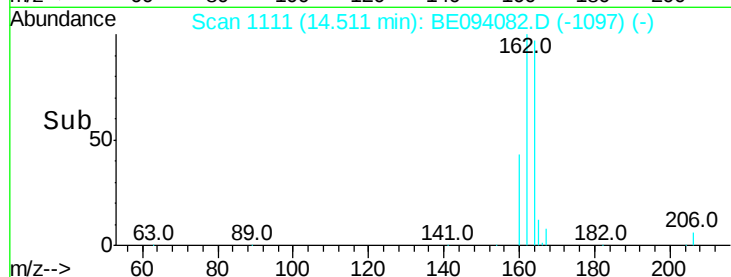
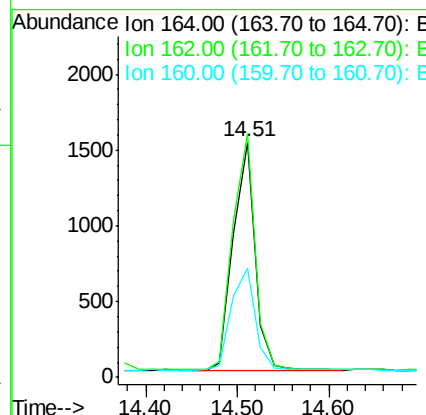
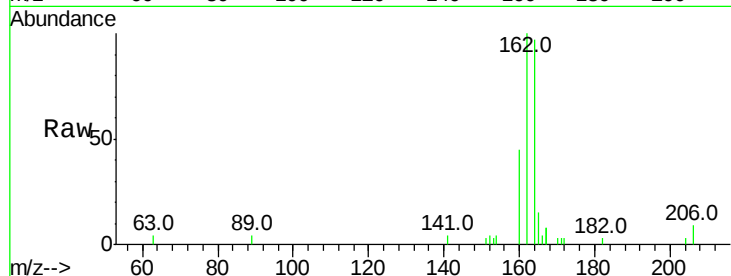




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094082.D
 Acq: 23 Sep 2017 17:36

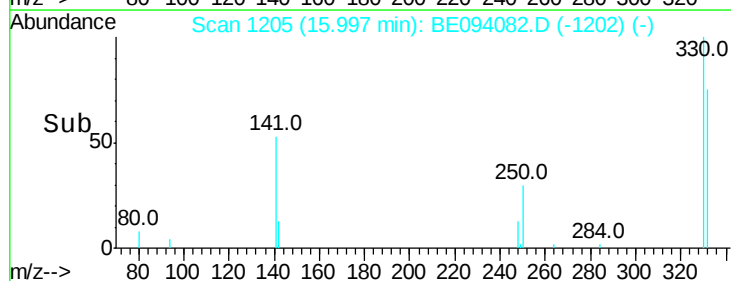
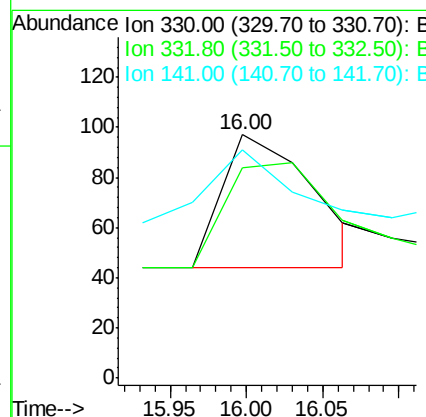
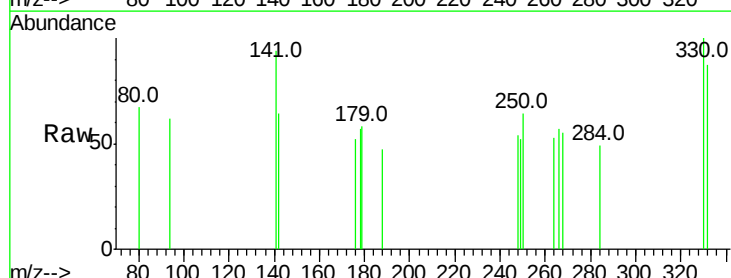
Instrument :
 BNA_E
 ClientSampleId :
 PB102533BS

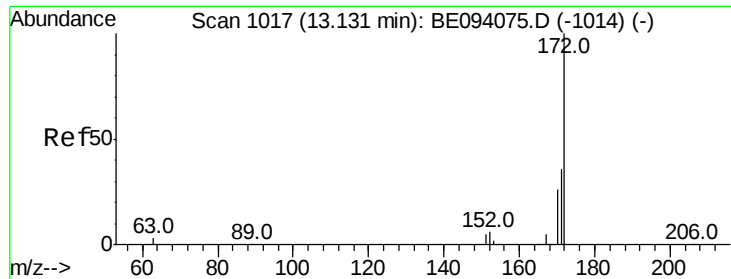
Tot Ion:164 Resp: 2489
 Ion Ratio Lower Upper
 164 100
 162 103.5 83.1 124.7
 160 46.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.117 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094082.D
 Acq: 23 Sep 2017 17:36

Tgt Ion:330 Resp: 221
 Ion Ratio Lower Upper
 330 100
 332 0.0 152.7 229.1#
 141 27.6 33.7 50.5#

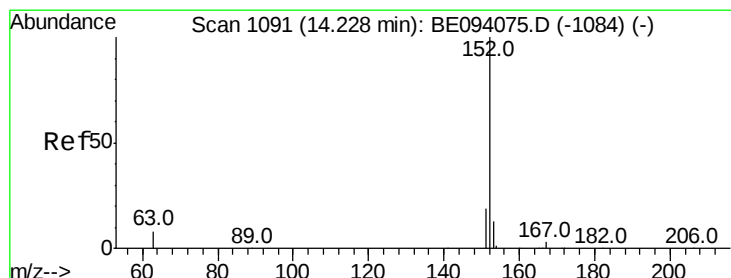
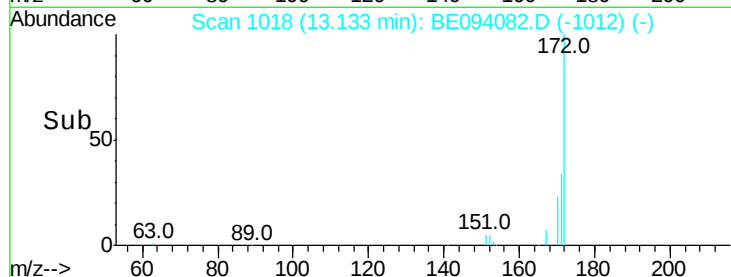
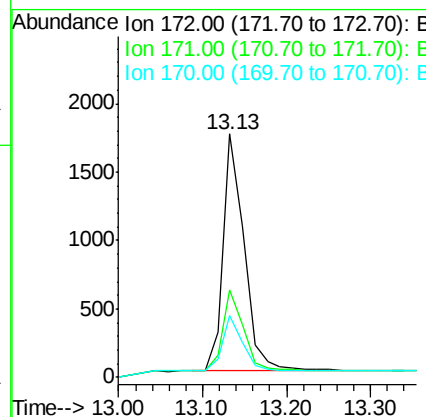
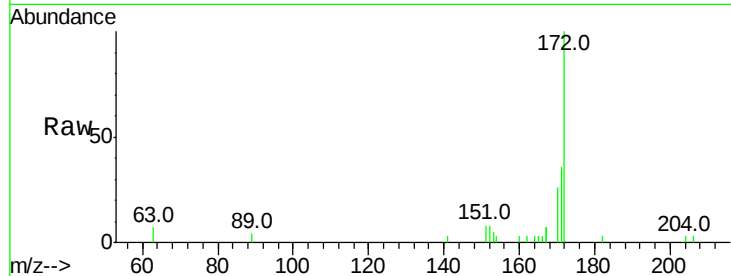




#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094082.D
Acq: 23 Sep 2017 17:36

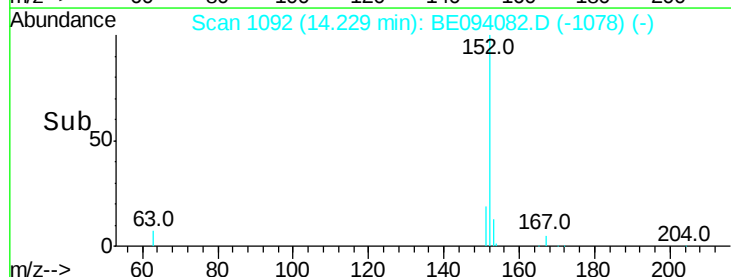
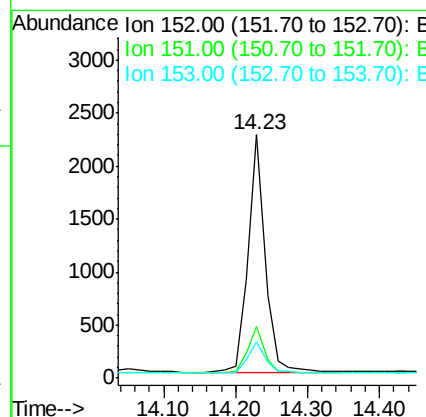
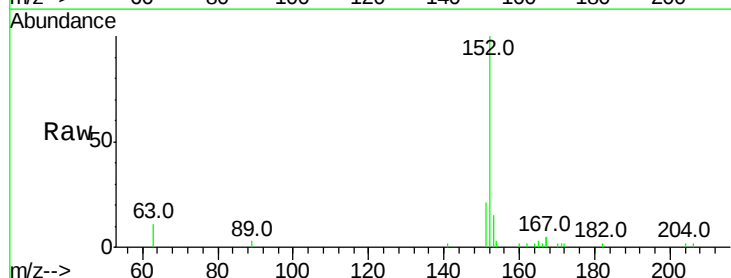
Instrument :
BNA_E
ClientSampleId :
PB102533BS

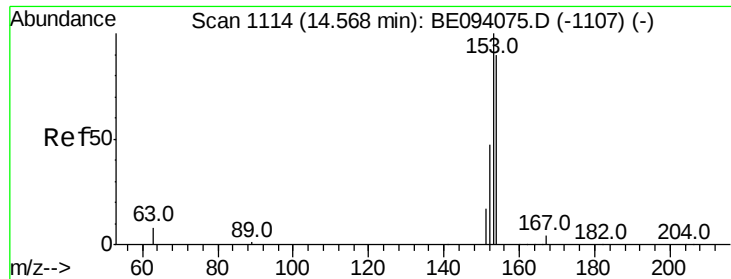
Tot Ion:172 Resp: 3046
Ion Ratio Lower Upper
172 100
171 36.1 29.9 44.9
170 25.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.294 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094082.D
Acq: 23 Sep 2017 17:36

Tgt Ion:152 Resp: 3683
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.3 10.5 15.7





#17

Acenaphthene

Concen: 0.291 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

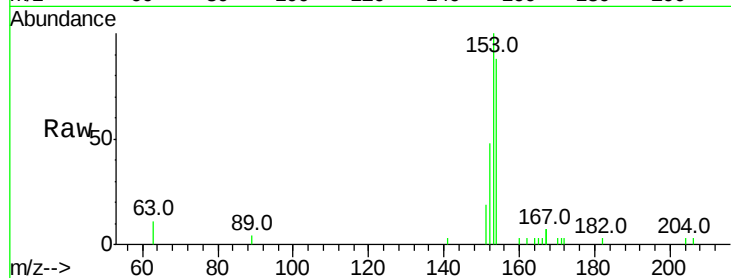
Tot Ion:154 Resp: 2421

Ion Ratio Lower Upper

154 100

153 115.8 89.2 133.8

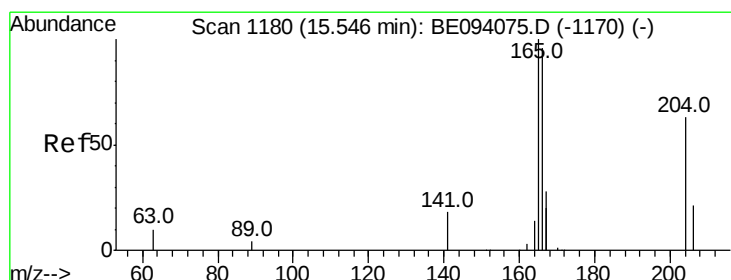
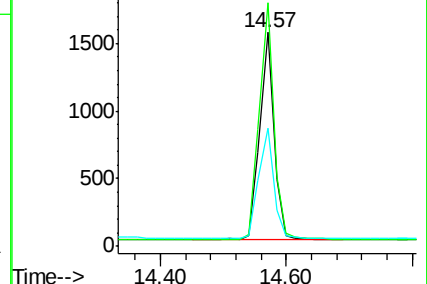
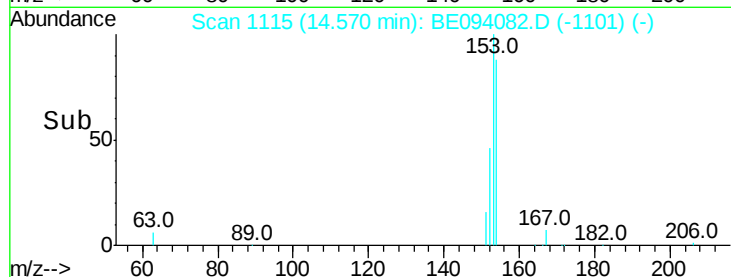
152 56.5 42.0 63.0



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: 0.309 ng

RT: 15.55 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

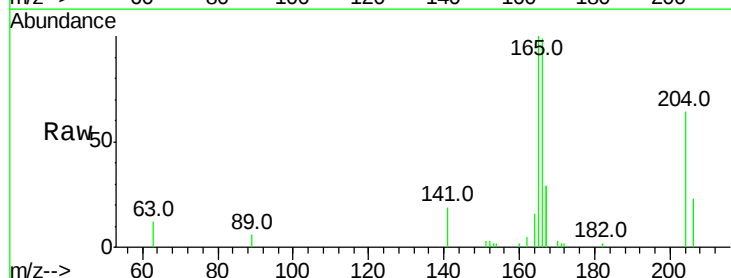
Tgt Ion:166 Resp: 3819

Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.6

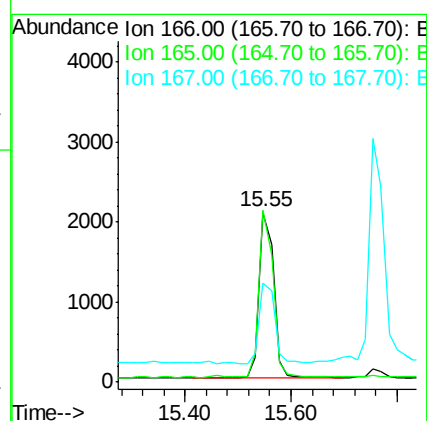
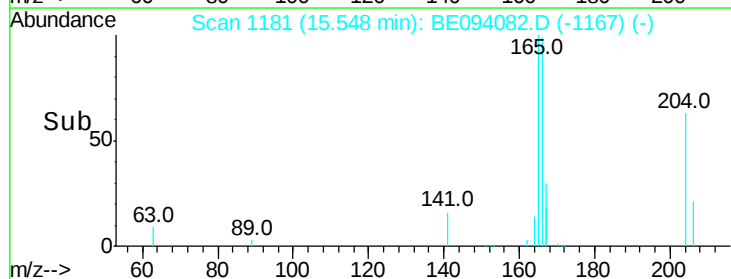
167 51.3 42.4 63.6

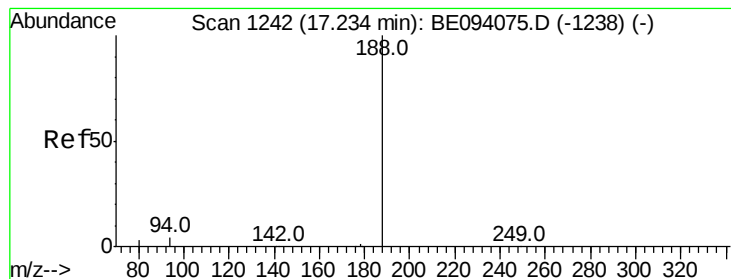


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

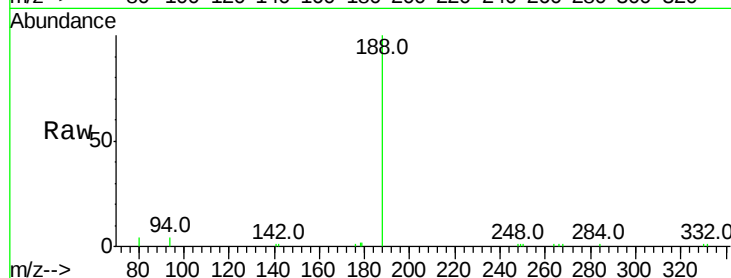
Tot Ion:188 Resp: 11613

Ion Ratio Lower Upper

188 100

94 4.2 3.9 5.9

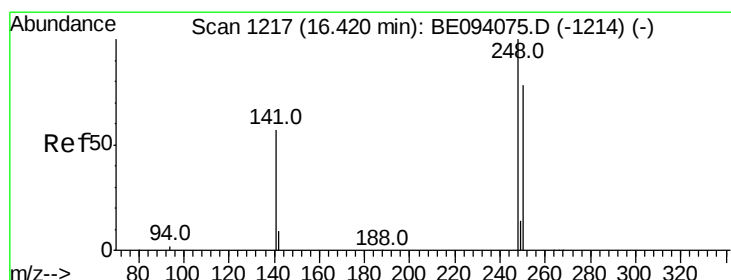
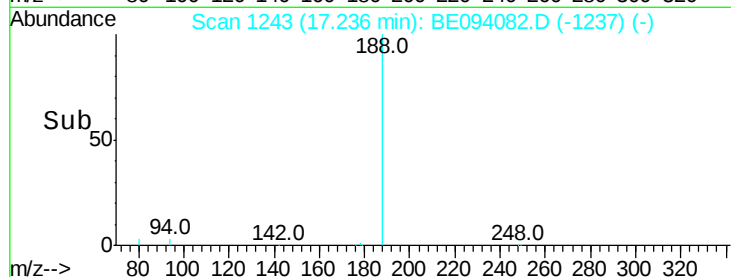
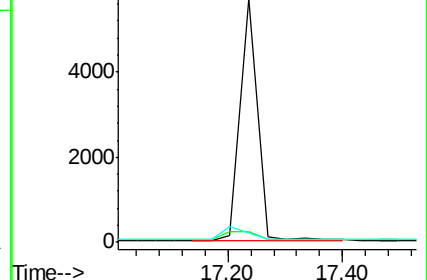
80 3.9 3.6 5.4



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: 0.268 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

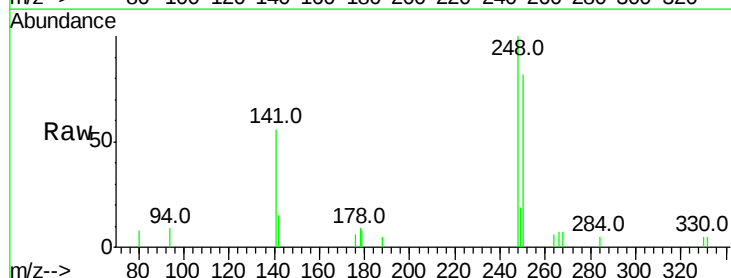
Tgt Ion:248 Resp: 1666

Ion Ratio Lower Upper

248 100

250 82.3 62.7 94.1

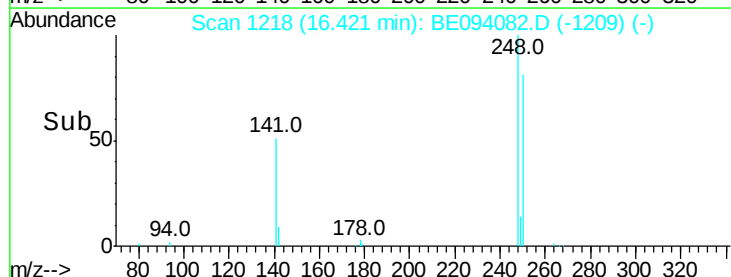
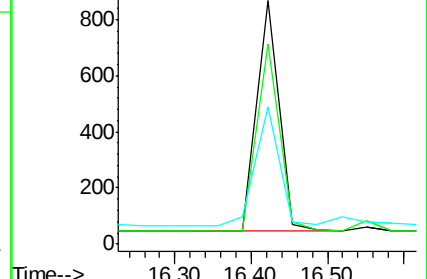
141 56.2 48.2 72.2

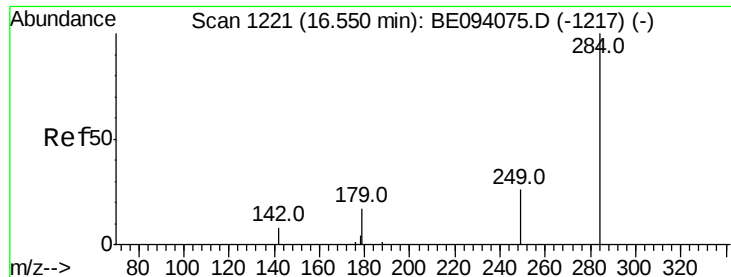


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

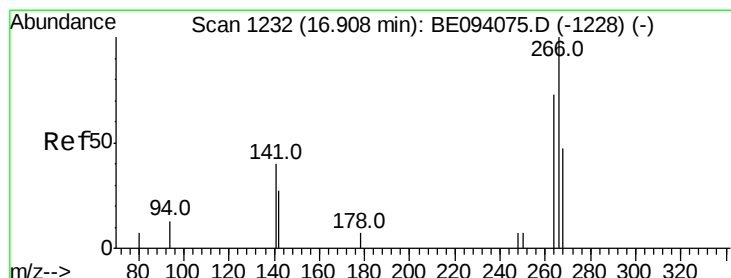
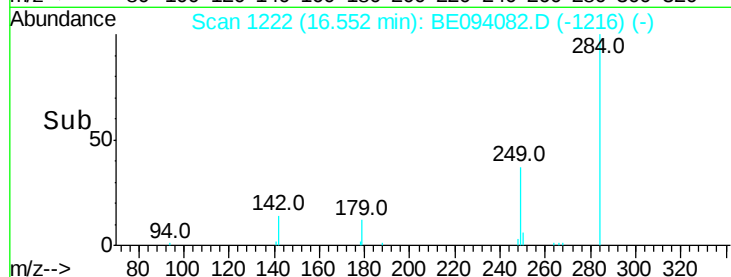
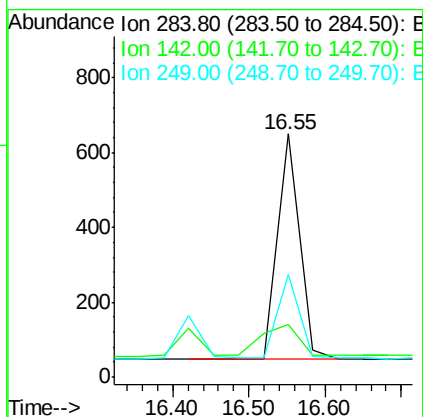
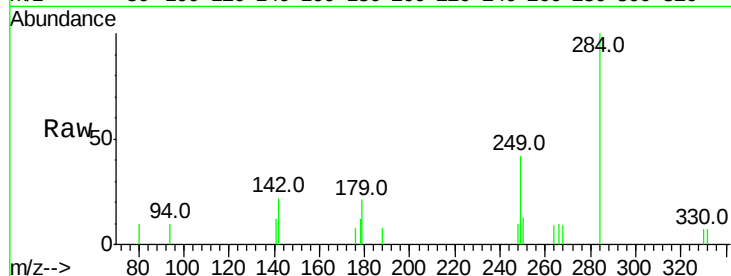




#21
Hexachlorobenzene
Concen: 0.272 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094082.D
Acq: 23 Sep 2017 17:36

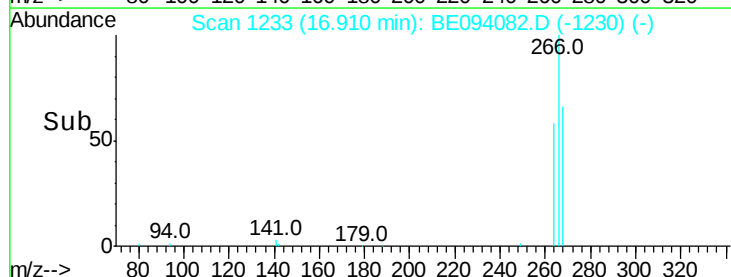
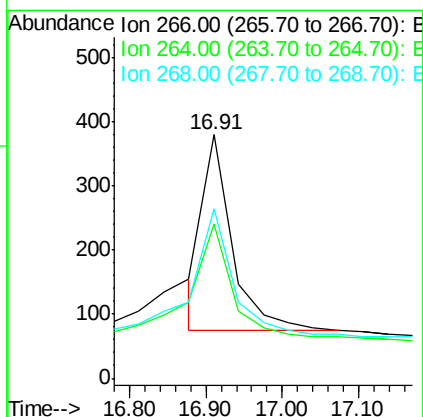
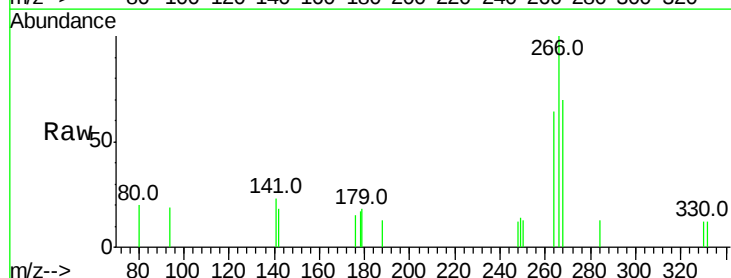
Instrument :
BNA_E
ClientSampleId :
PB102533BS

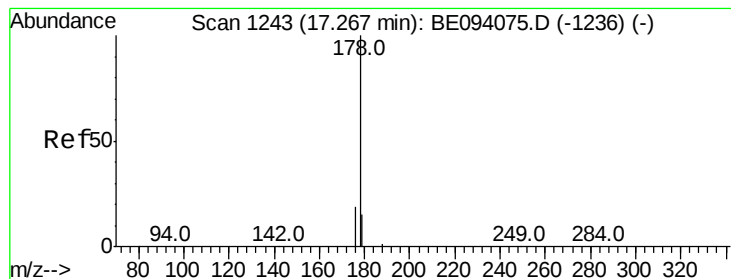
Tot Ion:284 Resp: 1240
Ion Ratio Lower Upper
284 100
142 23.1 22.1 33.1
249 36.1 34.8 52.2



#22
Pentachlorophenol
Concen: 2.524 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094082.D
Acq: 23 Sep 2017 17:36

Tgt Ion:266 Resp: 819
Ion Ratio Lower Upper
266 100
264 63.6 72.5 108.7#
268 69.7 73.8 110.6#





#23

Phenanthrene

Concen: 0.307 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

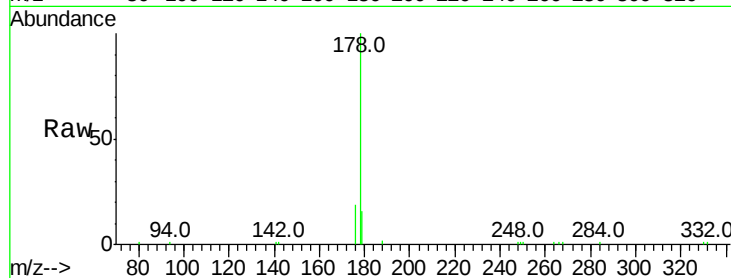
Tot Ion:178 Resp: 12756

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

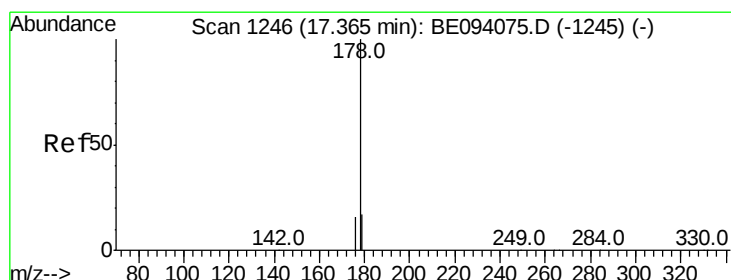
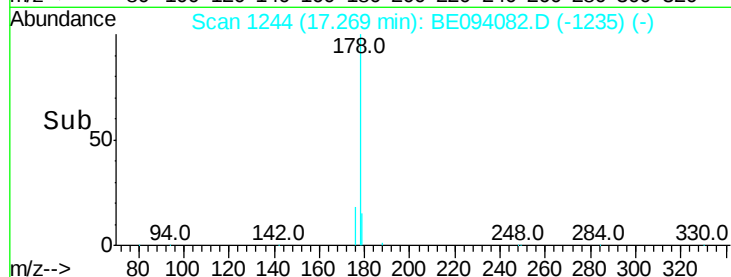
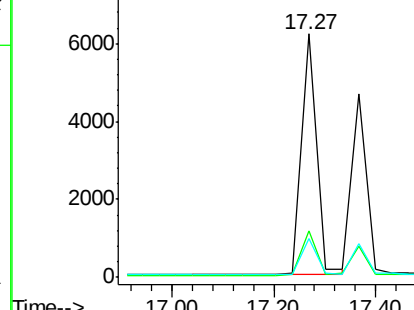
179 15.3 11.8 17.6



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: 0.295 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

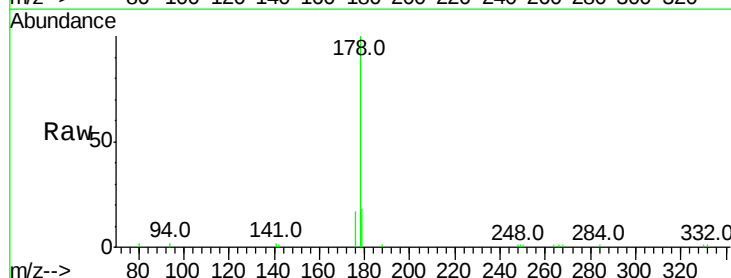
Tgt Ion:178 Resp: 9460

Ion Ratio Lower Upper

178 100

176 15.7 12.8 19.2

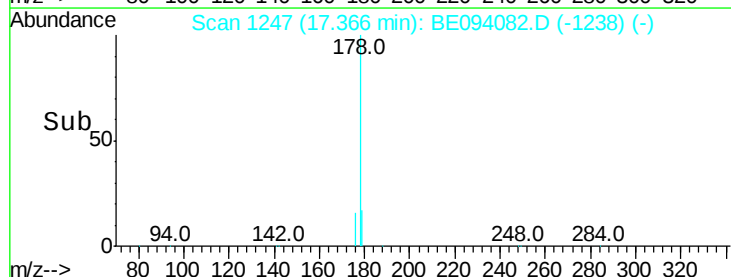
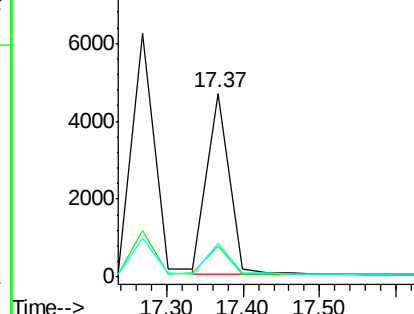
179 16.4 13.0 19.6

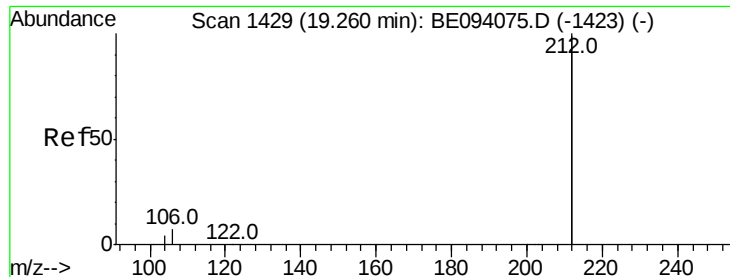


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

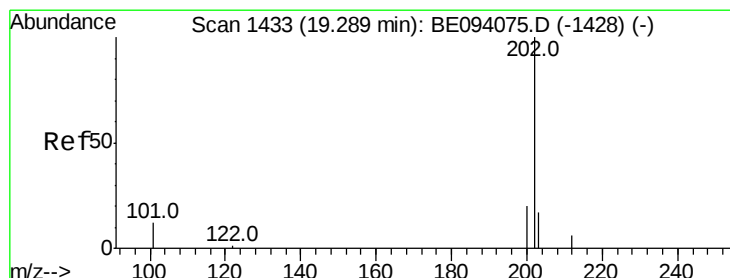
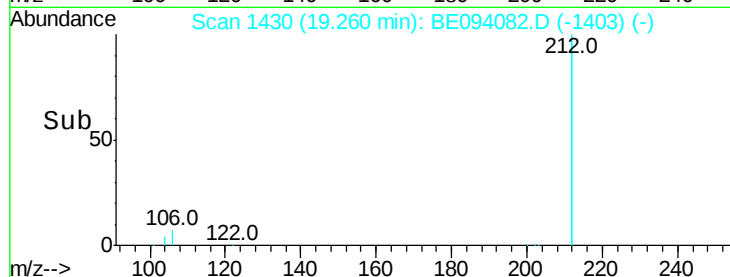
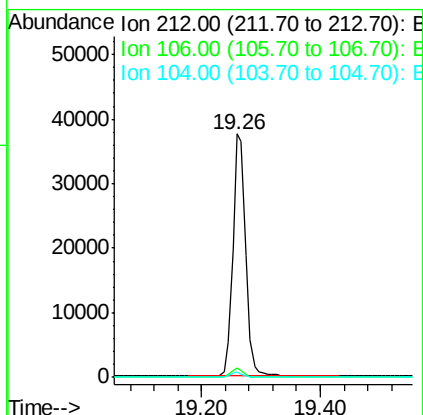
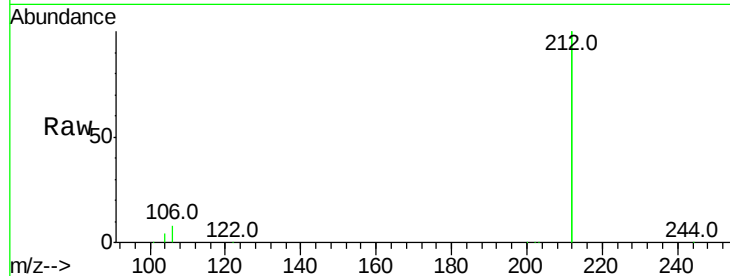




#25
 Fluoranthene-d10
 Concen: 0.381 ng
 RT: 19.26 min Scan# 1430
 Delta R.T. -0.00 min
 Lab File: BE094082.D
 Acq: 23 Sep 2017 17:36

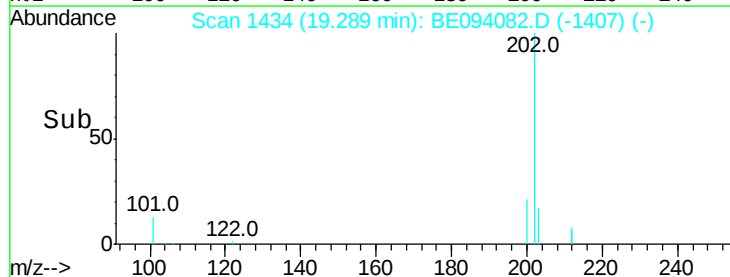
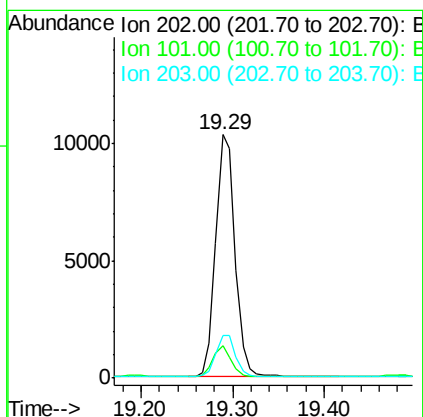
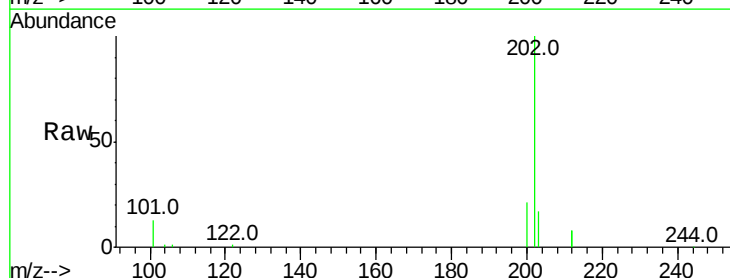
Instrument :
 BNA_E
 ClientSampleId :
 PB102533BS

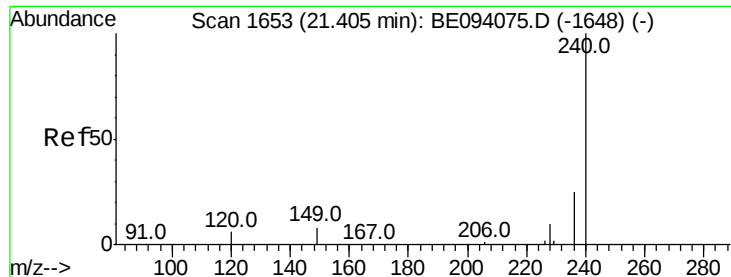
Tot Ion:212 Resp: 56784
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 1.9 1.6 2.4



#26
 Fluoranthene
 Concen: 0.337 ng
 RT: 19.29 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BE094082.D
 Acq: 23 Sep 2017 17:36

Tgt Ion:202 Resp: 15061
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.8 14.8
 203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

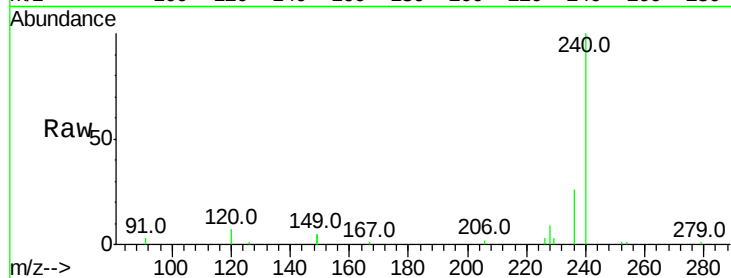
Tot Ion:240 Resp: 19080

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

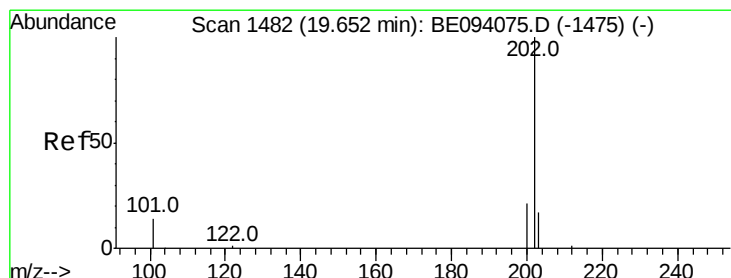
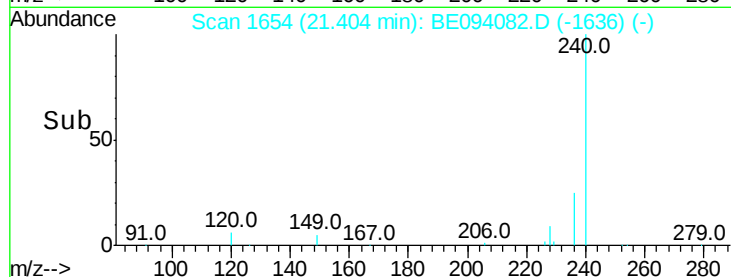
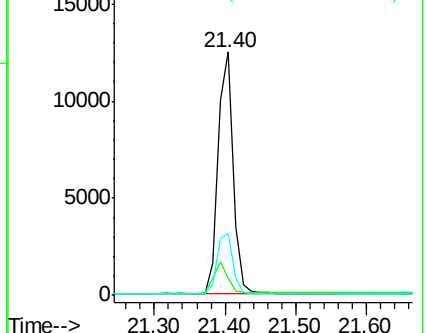
236 25.6 20.7 31.1



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: 0.311 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

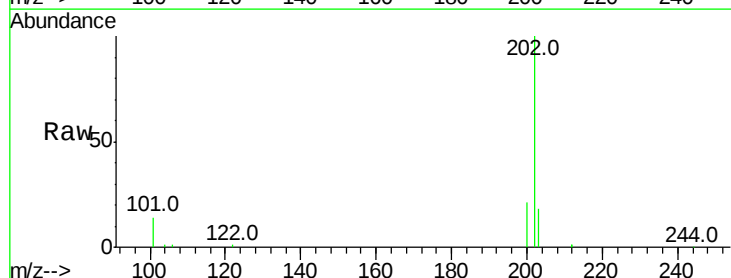
Tgt Ion:202 Resp: 16443

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

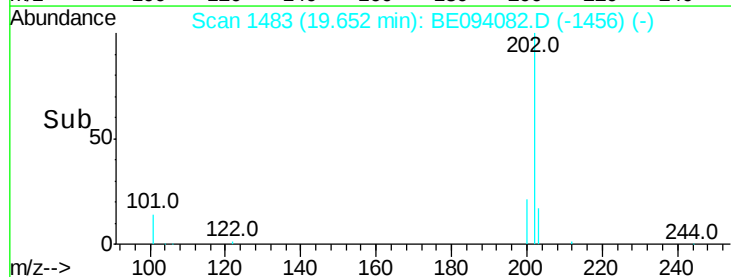
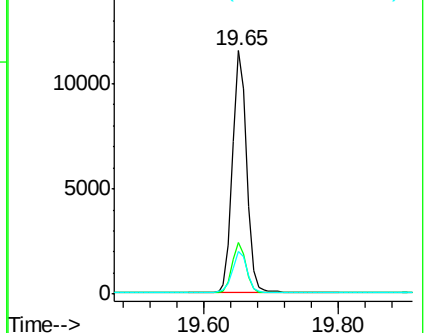
203 18.0 13.8 20.8

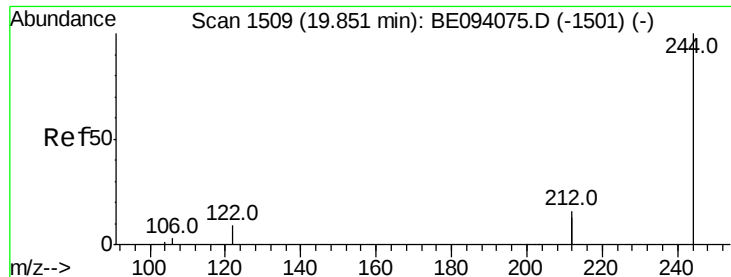


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.335 ng

RT: 19.84 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

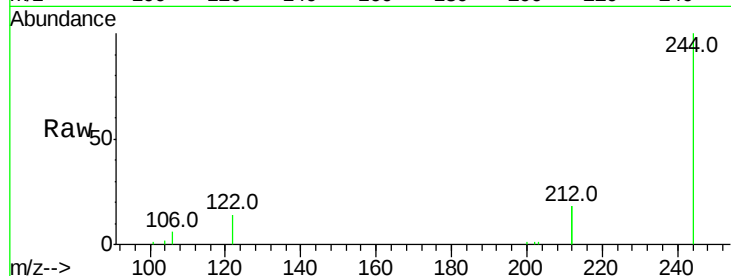
Tot Ion:244 Resp: 10008

Ion Ratio Lower Upper

244 100

212 36.8 25.4 38.0

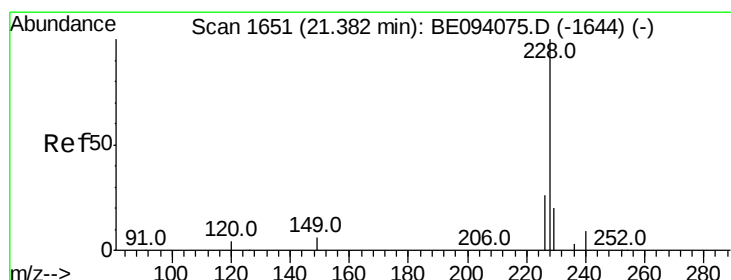
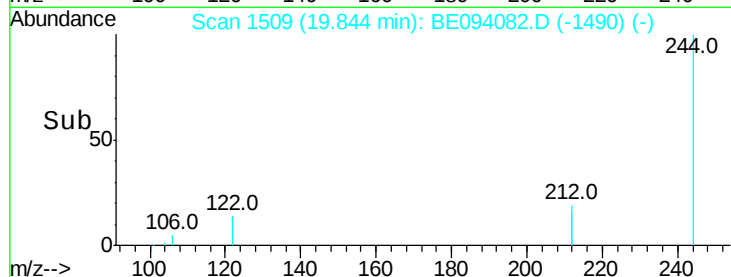
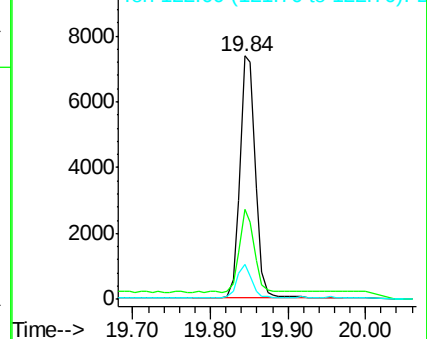
122 14.4 8.1 12.1#



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: 0.309 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

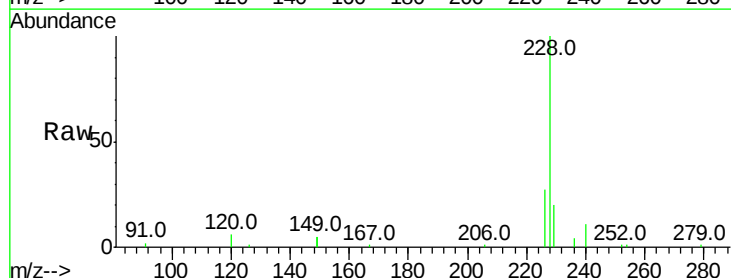
Tgt Ion:228 Resp: 19770

Ion Ratio Lower Upper

228 100

226 26.6 21.4 32.0

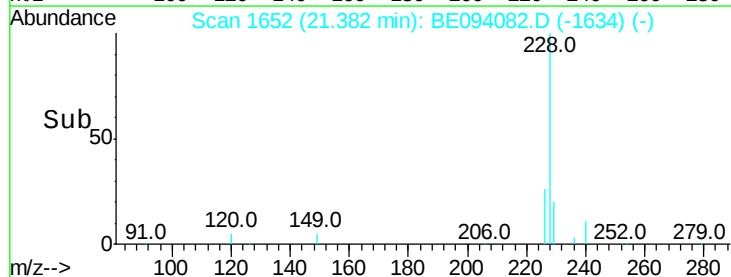
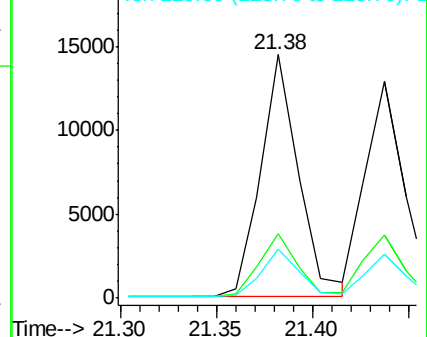
229 20.2 16.4 24.6

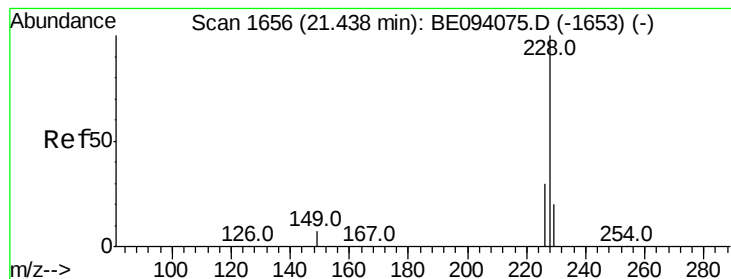


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.290 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

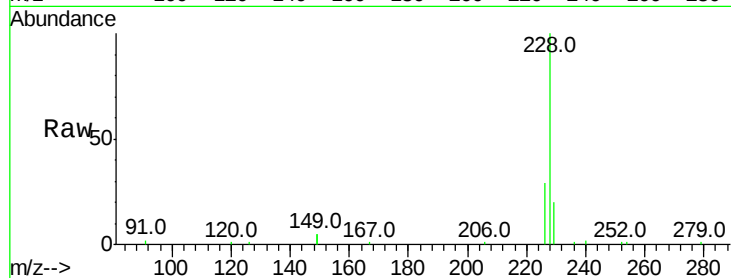
Tot Ion:228 Resp: 18135

Ion Ratio Lower Upper

228 100

226 29.4 23.6 35.4

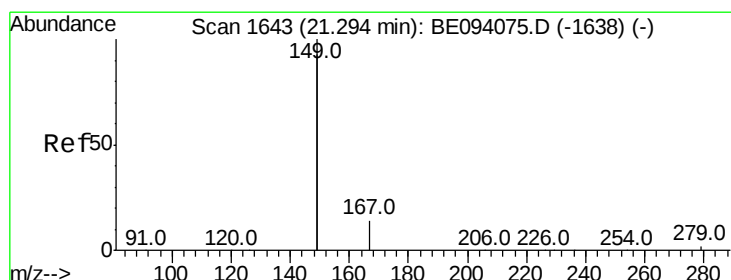
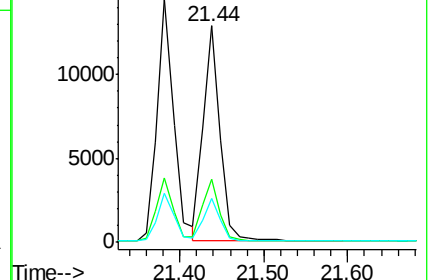
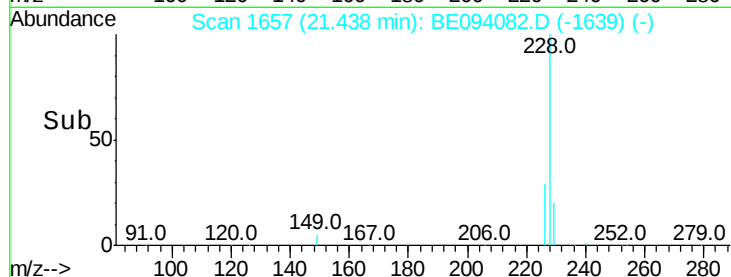
229 20.1 16.4 24.6



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: 0.252 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

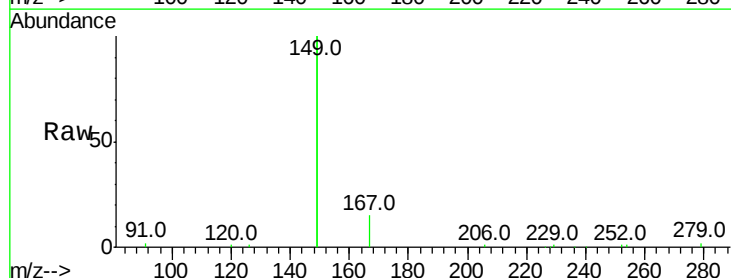
Tgt Ion:149 Resp: 43301

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

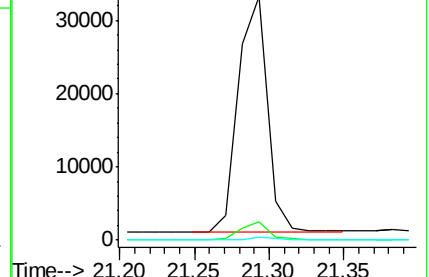
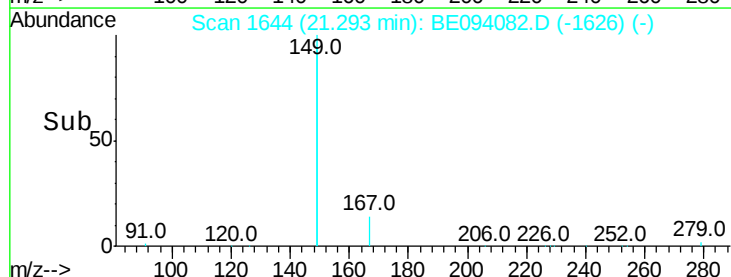
279 0.9 0.7 1.1

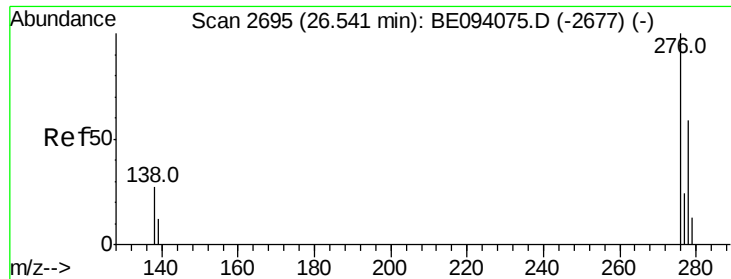


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.289 ng

RT: 26.55 min Scan# 2697

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

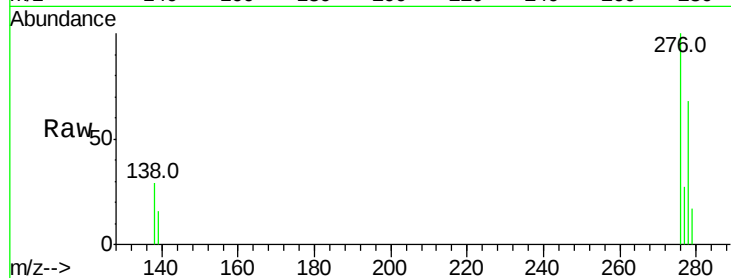
Tot Ion:276 Resp: 13995

Ion Ratio Lower Upper

276 100

138 27.0 22.5 33.7

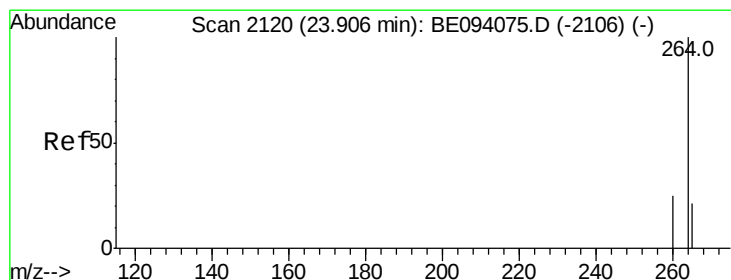
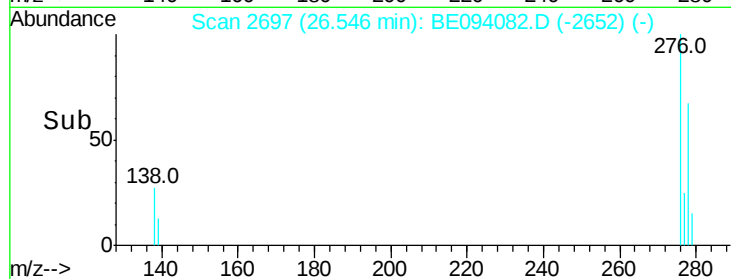
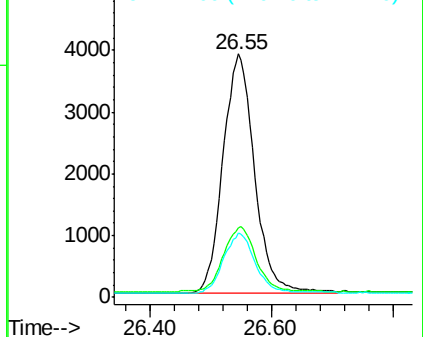
277 25.2 19.9 29.9



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: 23.91 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

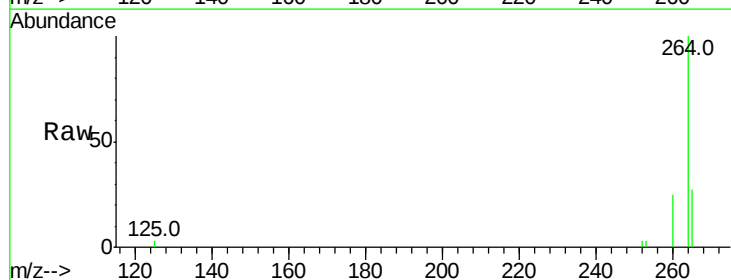
Tgt Ion:264 Resp: 14170

Ion Ratio Lower Upper

264 100

260 24.6 20.5 30.7

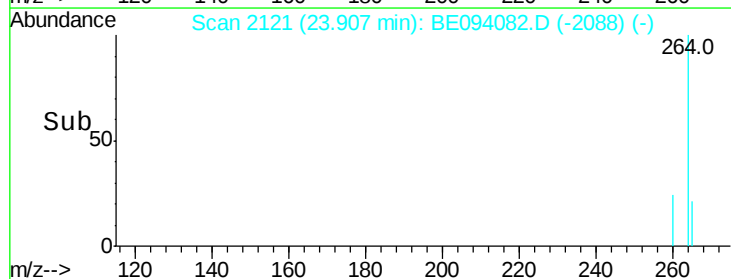
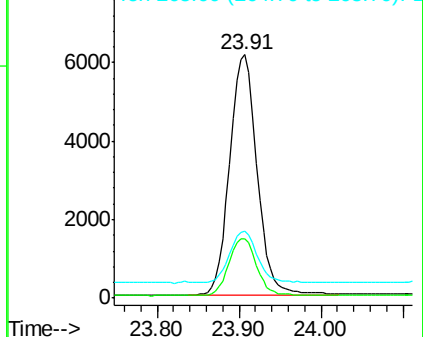
265 27.3 22.8 34.2

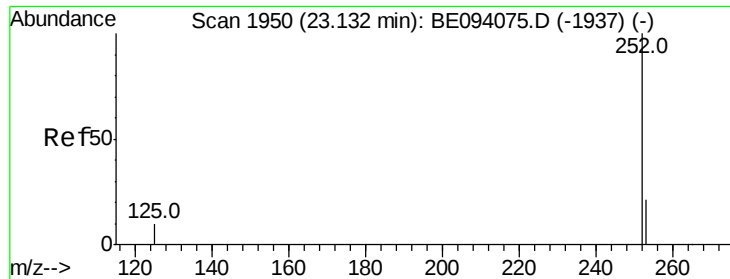


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.312 ng

RT: 23.13 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

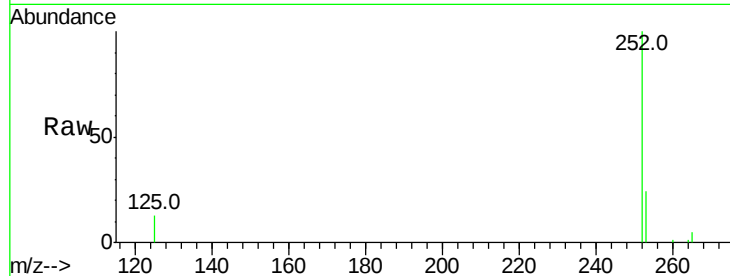
Tot Ion:252 Resp: 16020

Ion Ratio Lower Upper

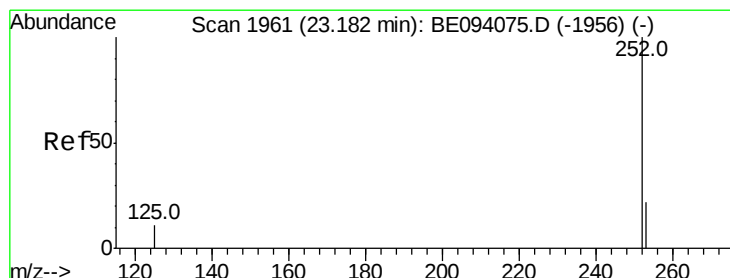
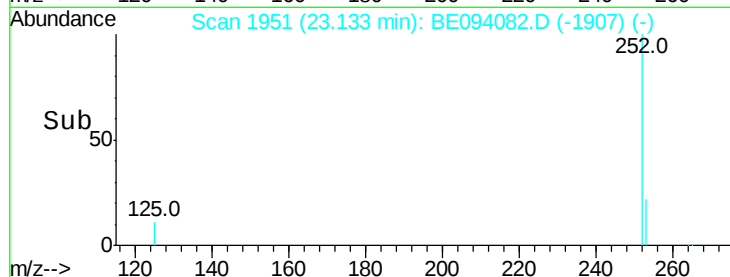
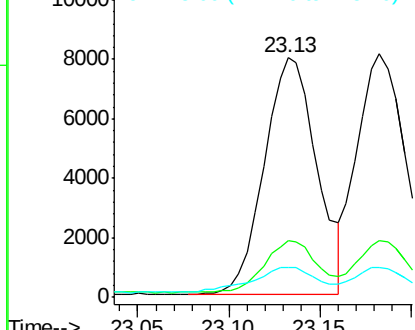
252 100

253 23.5 18.2 27.2

125 12.7 10.1 15.1



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: 0.301 ng

RT: 23.18 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

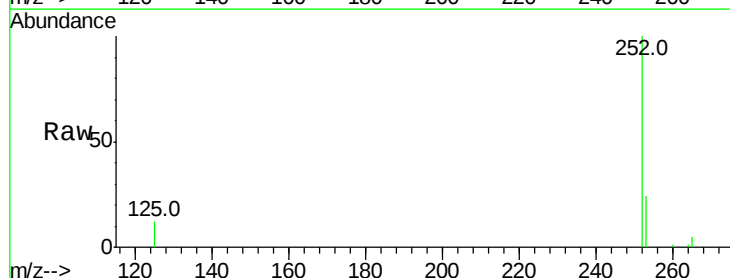
Tgt Ion:252 Resp: 15485

Ion Ratio Lower Upper

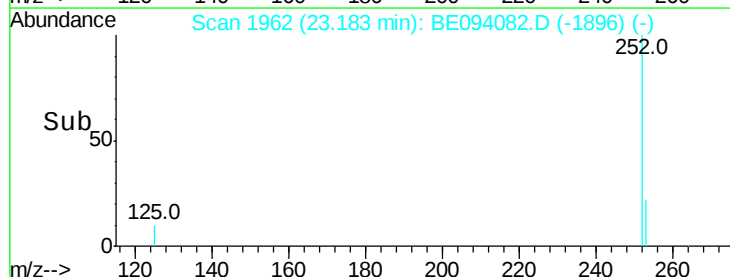
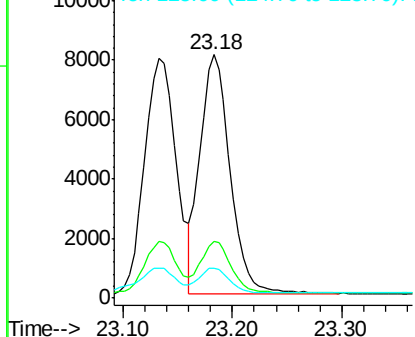
252 100

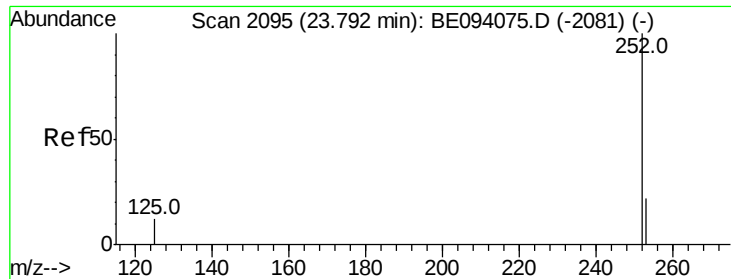
253 23.5 18.6 27.8

125 12.3 10.7 16.1



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: 0.310 ng

RT: 23.79 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

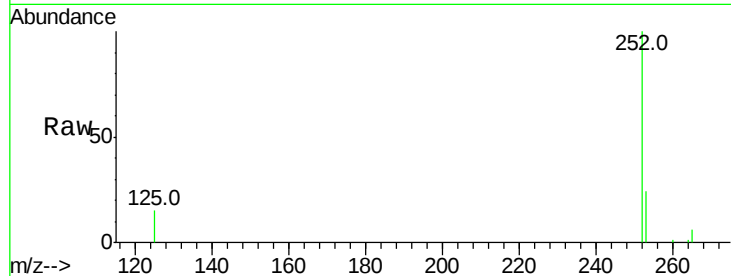
Tot Ion:252 Resp: 14297

Ion Ratio Lower Upper

252 100

253 23.8 19.0 28.6

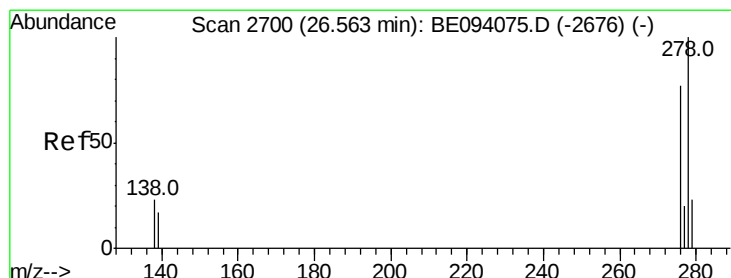
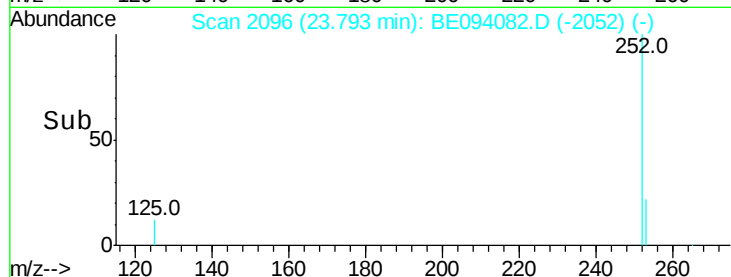
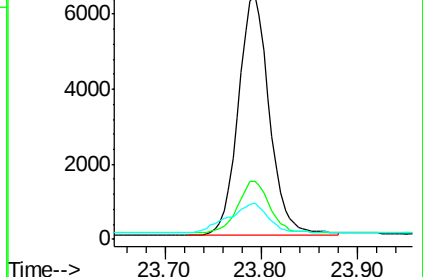
125 14.7 11.8 17.8



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: 0.319 ng

RT: 26.56 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

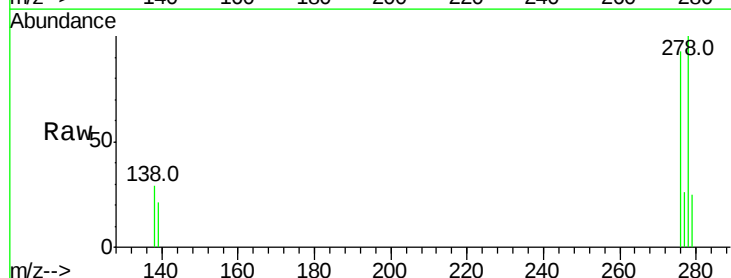
Tgt Ion:278 Resp: 11758

Ion Ratio Lower Upper

278 100

139 21.2 16.3 24.5

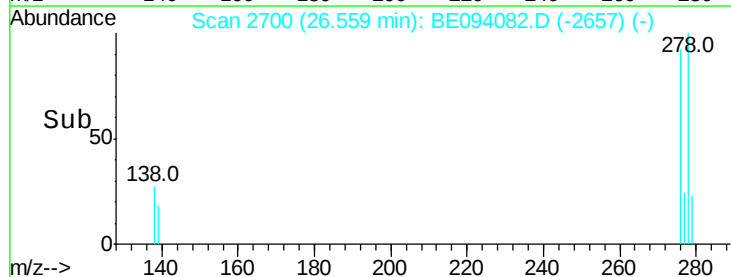
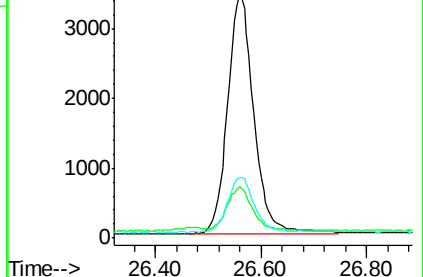
279 25.0 19.9 29.9

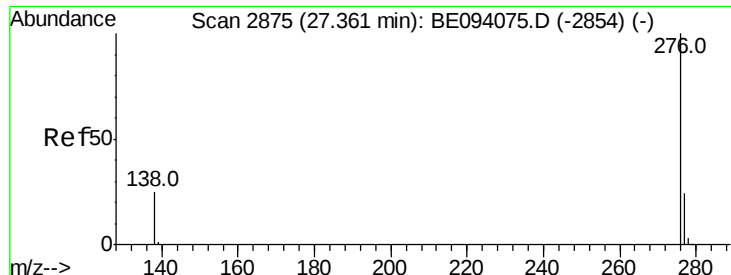


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.324 ng

RT: 27.36 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BE094082.D

Acq: 23 Sep 2017 17:36

Instrument :

BNA_E

ClientSampleId :

PB102533BS

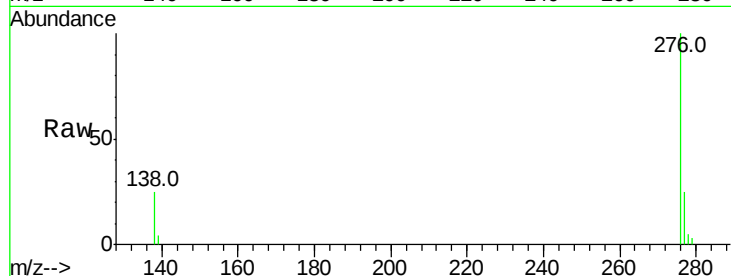
Tot Ion: 276 Resp: 11955

Ion Ratio Lower Upper

276 100

277 24.9 20.8 31.2

138 25.4 21.5 32.3



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

