

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092817\
 Data File : BE094137.D
 Acq On : 28 Sep 2017 19:29
 Operator : SJ/JU
 Sample : PB102676BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102676BSD

Quant Time: Sep 29 01:50:05 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1619	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7329	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4061	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	15634	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14411	0.40	ng	0.00
34) Perylene-d12	23.91	264	13709	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.50	112	1832	0.30	ng	0.00
5) Phenol-d6	7.09	99	2432	0.29	ng	0.00
8) Nitrobenzene-d5	9.06	82	2091	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3783	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	456	0.17	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	4761	0.35	ng	0.00
25) Fluoranthene-d10	19.27	212	52103	0.34	ng	0.00
29) Terphenyl-d14	19.85	244	8822	0.34	ng	0.00

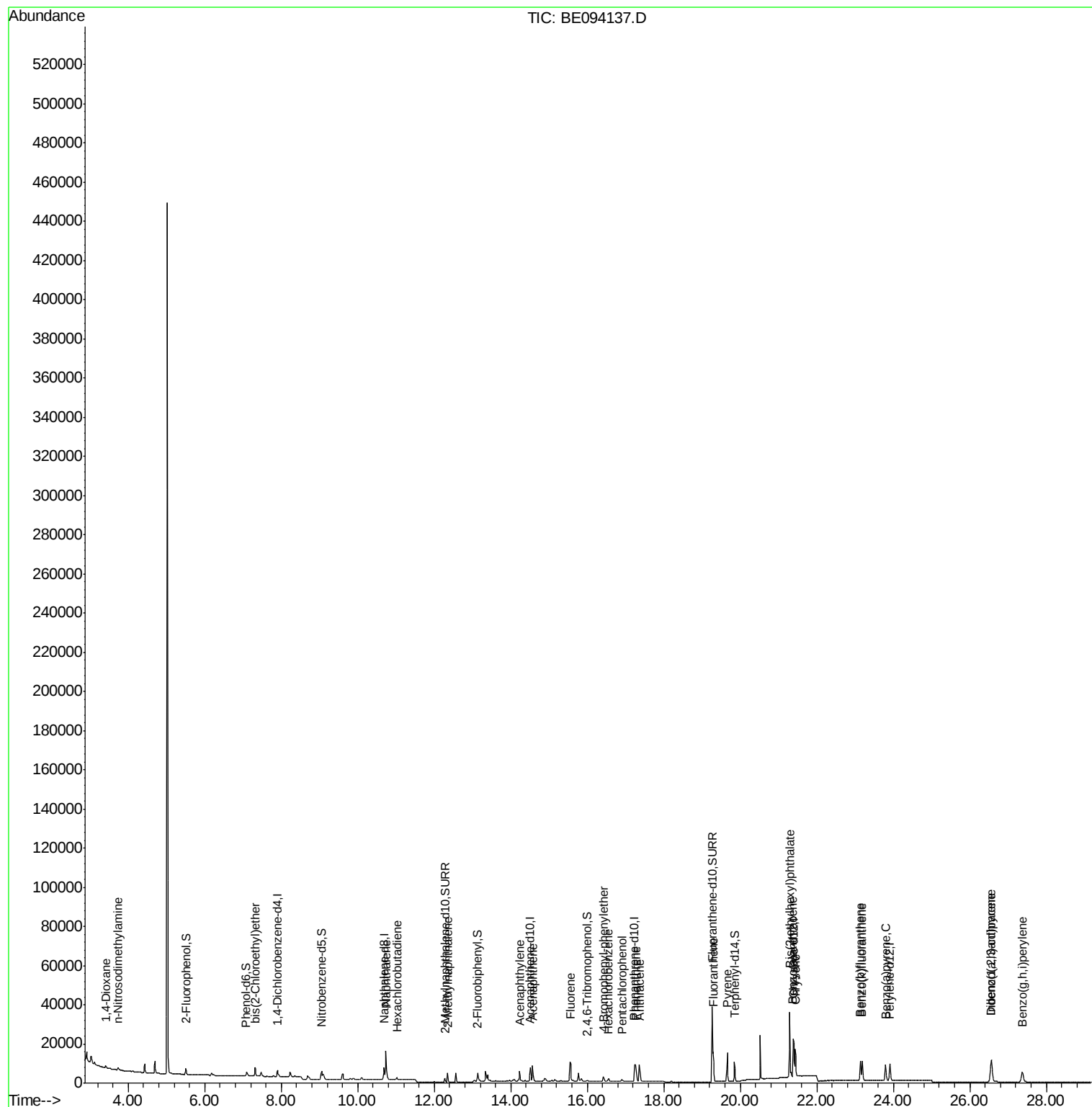
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	797	0.253	ng	# 17
3) n-Nitrosodimethylamine	3.73	42	1104	0.274	ng	# 88
6) bis(2-Chloroethyl)ether	7.33	93	1811	0.274	ng	# 88
9) Naphthalene	10.74	128	24662	0.298	ng	100
10) Hexachlorobutadiene	11.03	225	894	0.288	ng	97
12) 2-Methylnaphthalene	12.35	142	4036	0.301	ng	98
16) Acenaphthylene	14.23	152	6120	0.301	ng	99
17) Acenaphthene	14.57	154	4108	0.323	ng	98
18) Fluorene	15.56	166	5370	0.311	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	1776	0.277	ng	# 81
21) Hexachlorobenzene	16.55	284	1330	0.329	ng	# 84
22) Pentachlorophenol	16.91	266	1305	0.352	ng	# 72
23) Phenanthrene	17.27	178	12836	0.321	ng	98
24) Anthracene	17.37	178	13104	0.312	ng	98
26) Fluoranthene	19.30	202	13872	0.309	ng	100
28) Pyrene	19.66	202	14570	0.319	ng	99
30) Benzo(a)anthracene	21.38	228	15246	0.314	ng	97
31) Chrysene	21.44	228	14389	0.307	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	36947	0.045	ng	99
33) Indeno(1,2,3-cd)pyrene	26.56	276	15214	0.304	ng	98
35) Benzo(b)fluoranthene	23.14	252	14527	0.294	ng	96
36) Benzo(k)fluoranthene	23.19	252	14513	0.306	ng	99
37) Benzo(a)pyrene	23.80	252	13861	0.310	ng	97
38) Dibenzo(a,h)anthracene	26.57	278	12667	0.299	ng	97
39) Benzo(g,h,i)perylene	27.37	276	12808	0.306	ng	99

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

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QLast Update : Mon Sep 25 17:37:08 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

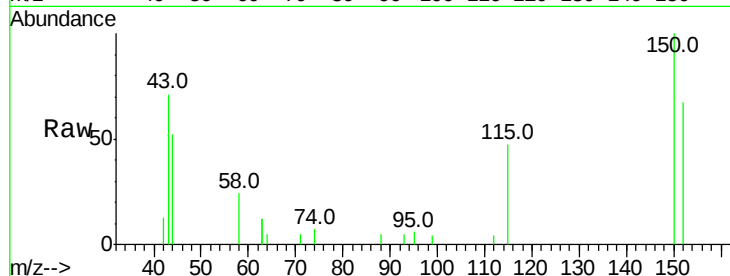
Tot Ion:152 Resp: 1619

Ion Ratio Lower Upper

152 100

150 149.1 117.2 175.8

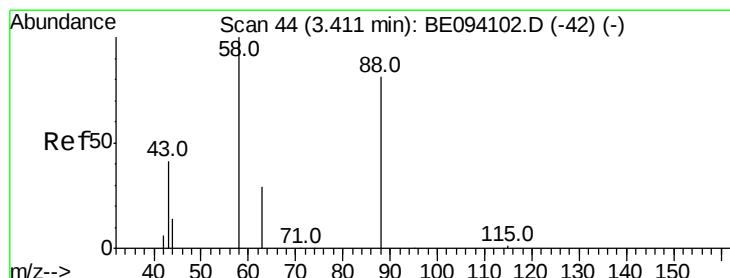
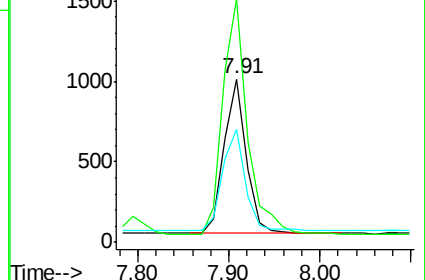
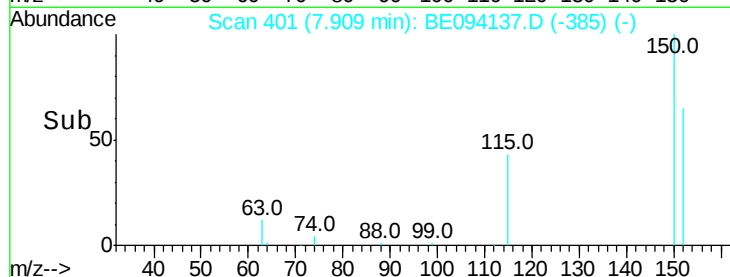
115 69.6 57.0 85.6



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: 0.253 ng

RT: 3.43 min Scan# 45

Delta R.T. 0.02 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

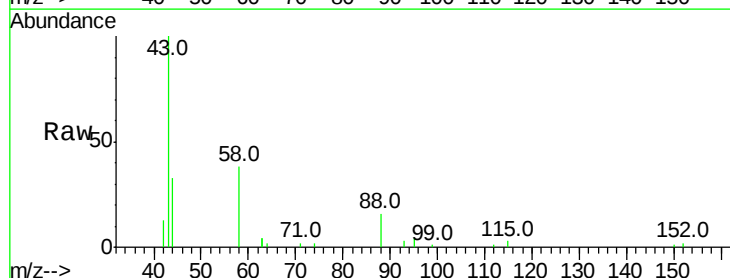
Tgt Ion: 88 Resp: 797

Ion Ratio Lower Upper

88 100

58 157.6 63.2 94.8#

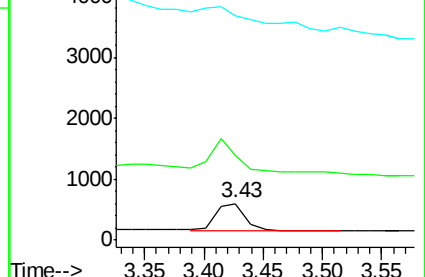
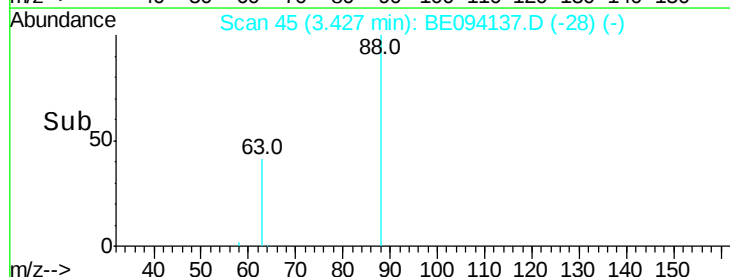
43 0.0 41.2 61.8#



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: 0.274 ng

RT: 3.73 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

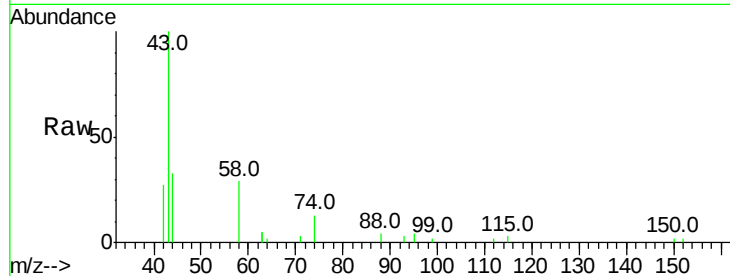
Tot Ion: 42 Resp: 1104

Ion Ratio Lower Upper

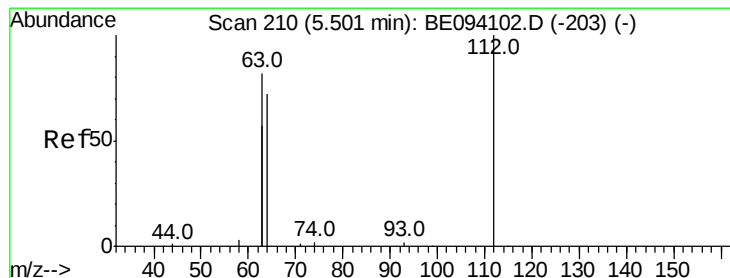
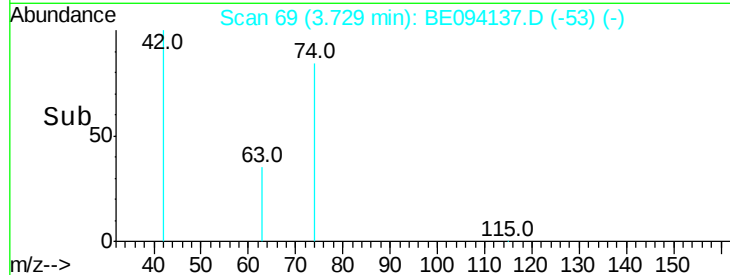
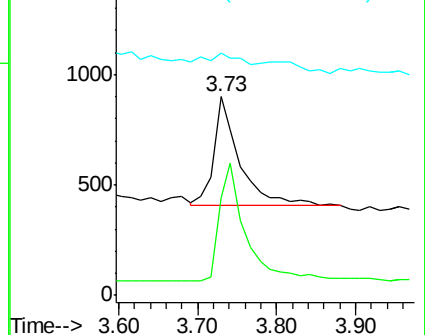
42 100

74 114.4 100.3 150.5

44 8.5 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: 0.298 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

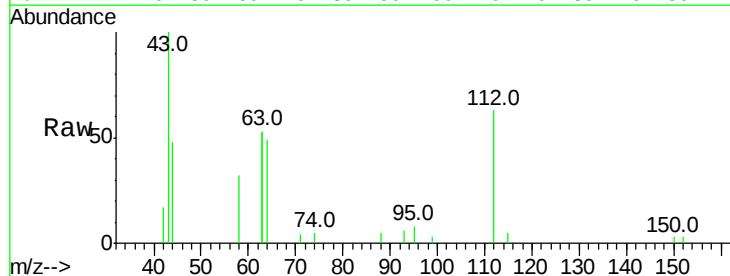
Tgt Ion: 112 Resp: 1832

Ion Ratio Lower Upper

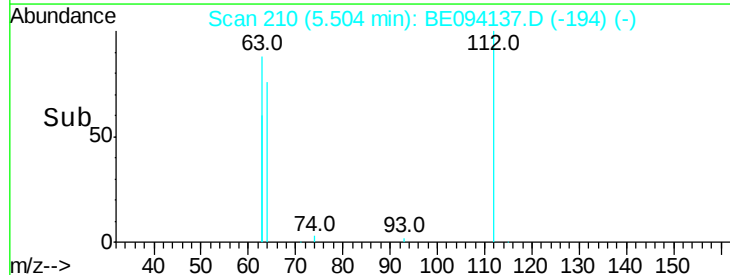
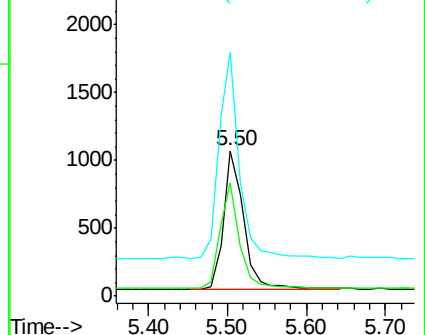
112 100

64 75.2 60.1 90.1

63 152.9 116.8 175.2



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: 0.285 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

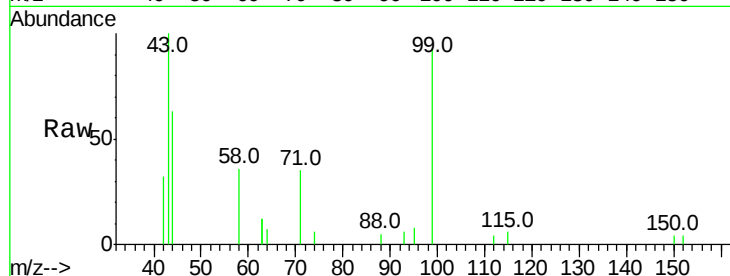
Tot Ion: 99 Resp: 2432

Ion Ratio Lower Upper

99 100

42 28.2 20.2 30.2

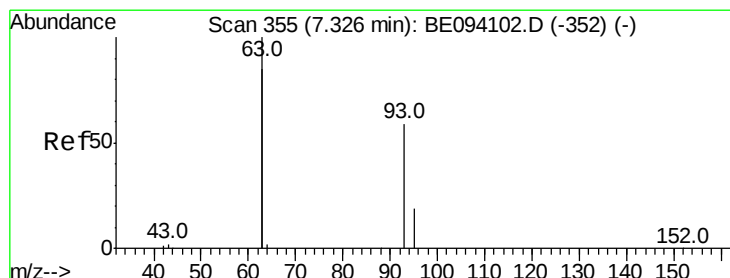
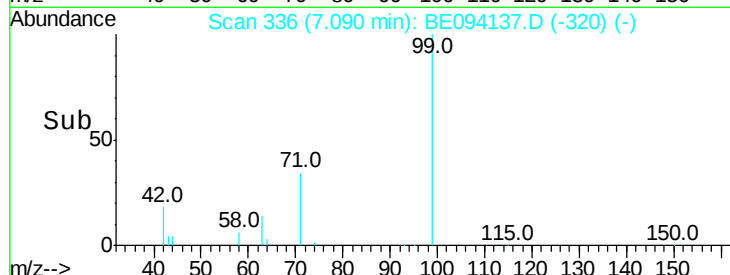
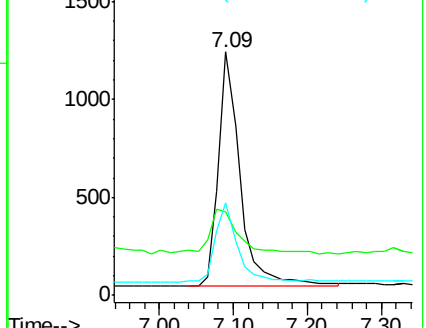
71 34.7 28.4 42.6



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: 0.274 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

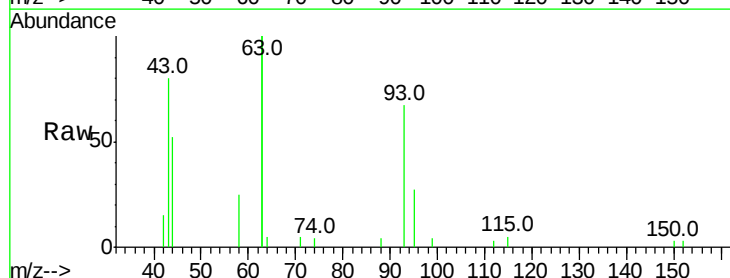
Tgt Ion: 93 Resp: 1811

Ion Ratio Lower Upper

93 100

63 370.9 275.3 412.9

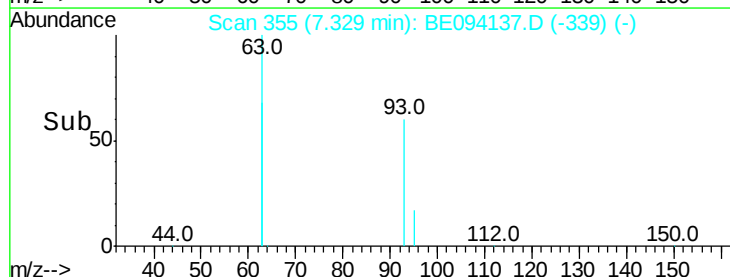
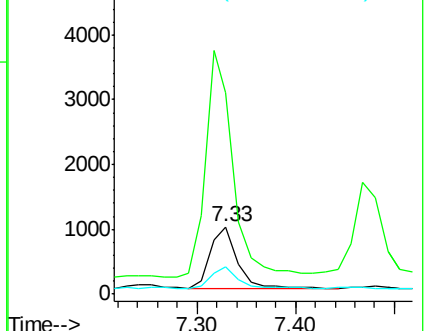
95 36.1 25.2 37.8



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: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

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ClientSampleId :

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Tot Ion:136 Resp: 7329

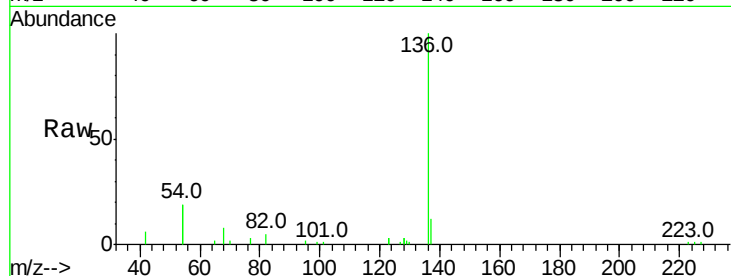
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 37.9 29.1 43.7

68 7.6 6.2 9.2

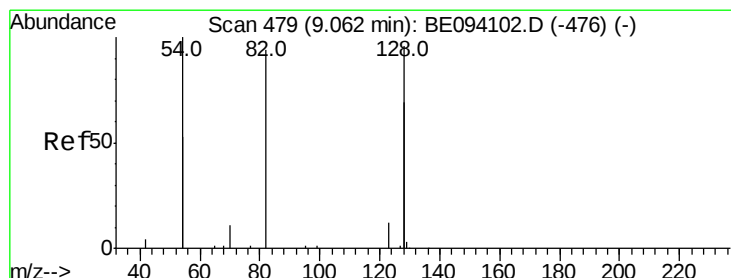
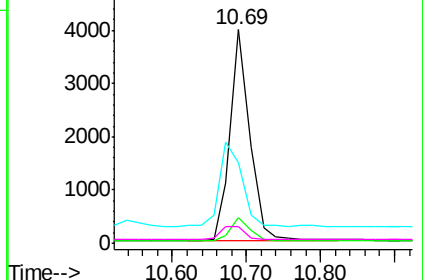
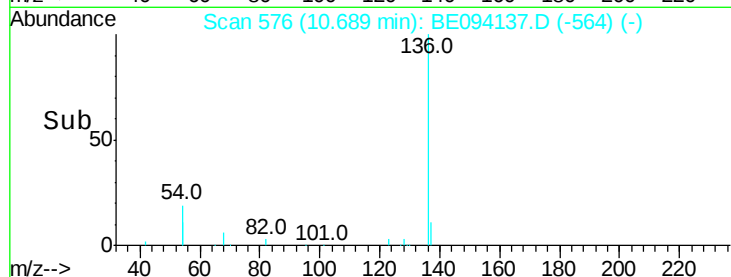


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.295 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

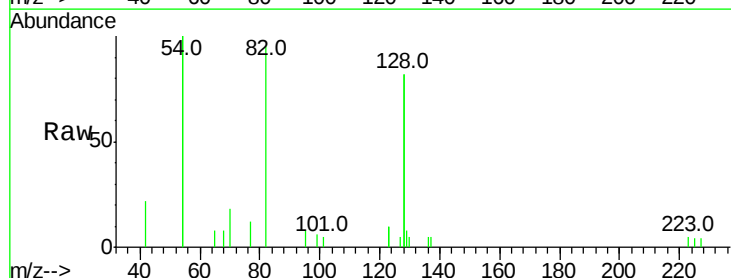
Tgt Ion: 82 Resp: 2091

Ion Ratio Lower Upper

82 100

128 172.7 150.0 225.0

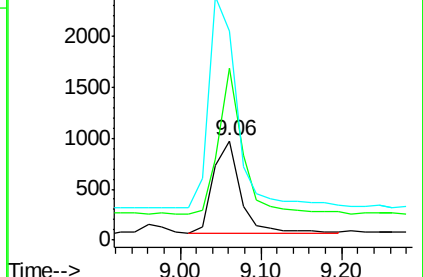
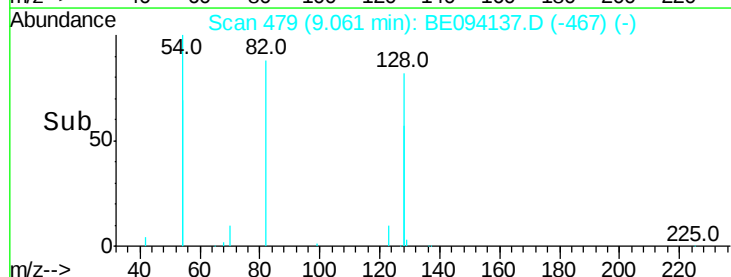
54 210.9 154.2 231.4



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: 0.298 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

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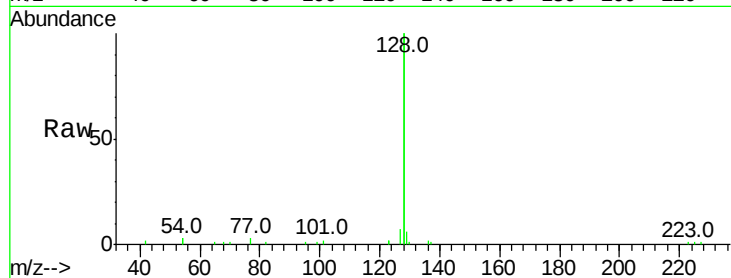
Tot Ion:128 Resp: 24662

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

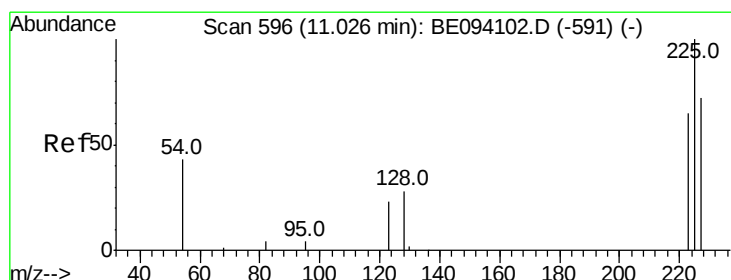
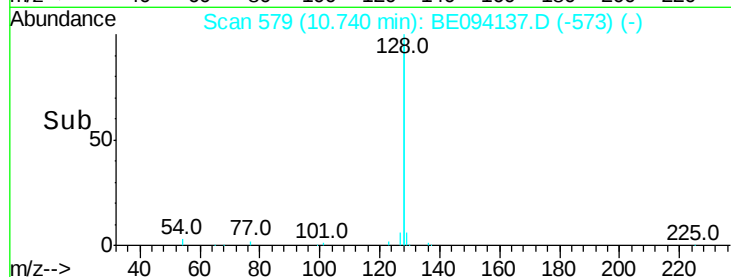
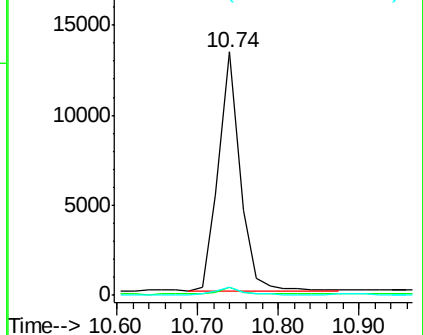
127 3.5 2.8 4.2



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: BE094137.D

Acq: 28 Sep 2017 19:29

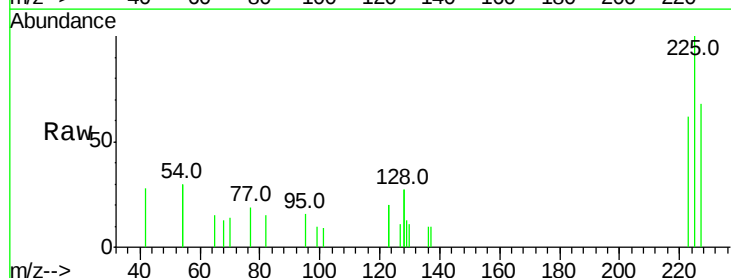
Tgt Ion:225 Resp: 894

Ion Ratio Lower Upper

225 100

223 62.2 53.0 79.6

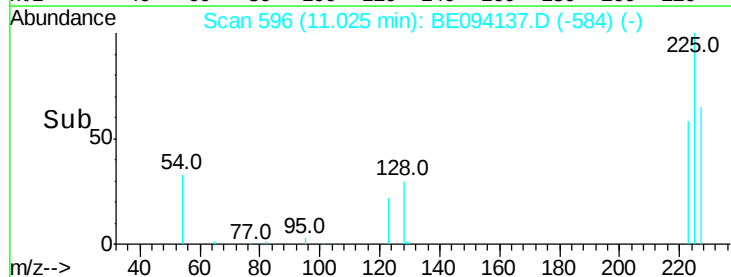
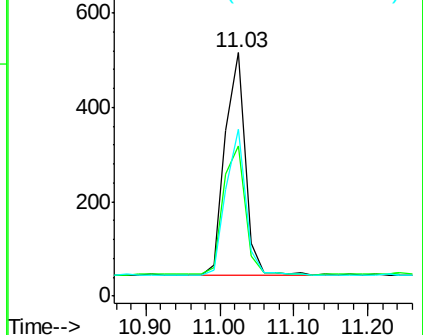
227 63.8 51.4 77.2



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: 0.335 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

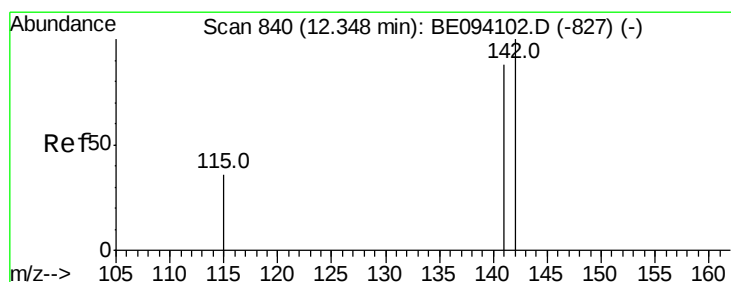
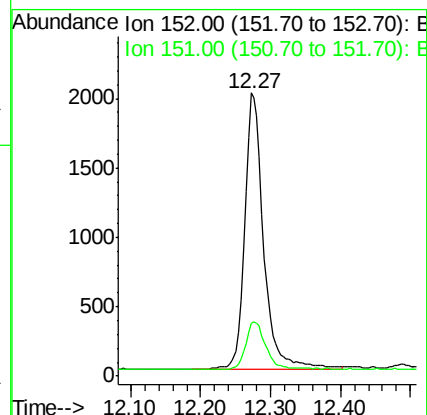
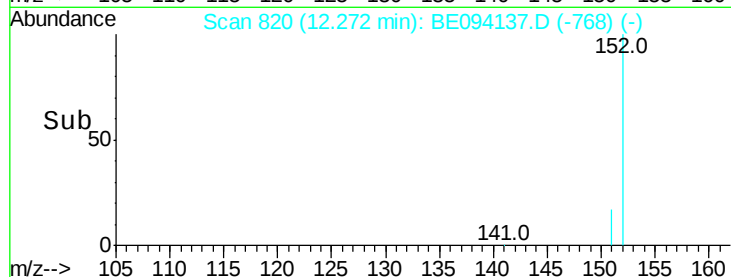
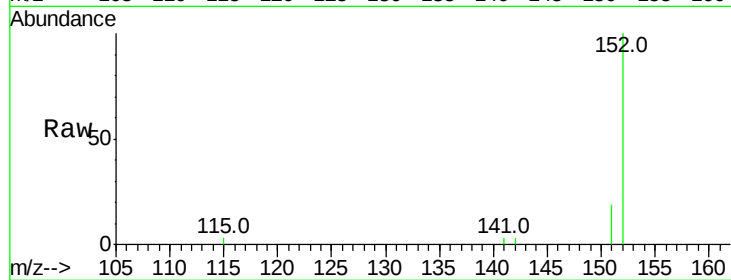
PB102676BSD

Tot Ion:152 Resp: 3783

Ion Ratio Lower Upper

152 100

151 18.3 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.301 ng

RT: 12.35 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

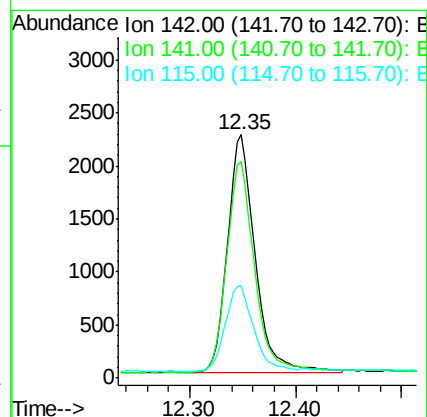
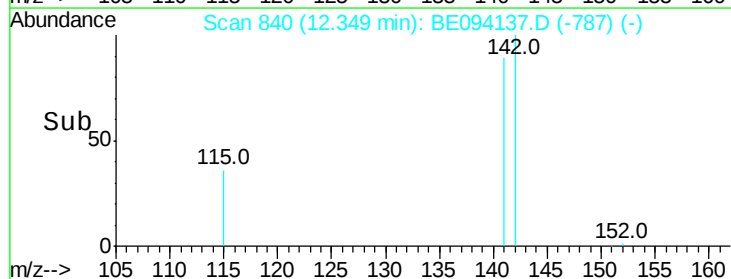
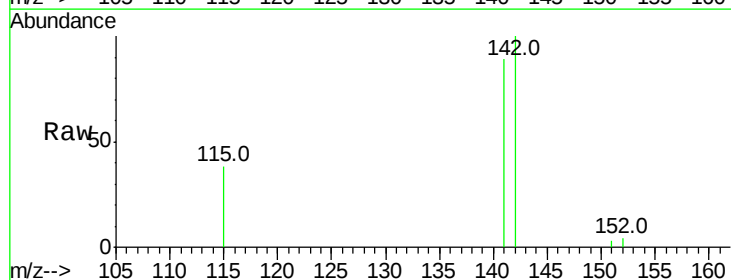
Tgt Ion:142 Resp: 4036

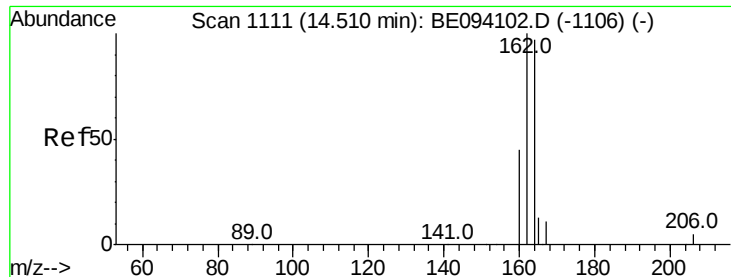
Ion Ratio Lower Upper

142 100

141 88.9 70.4 105.6

115 37.8 31.7 47.5

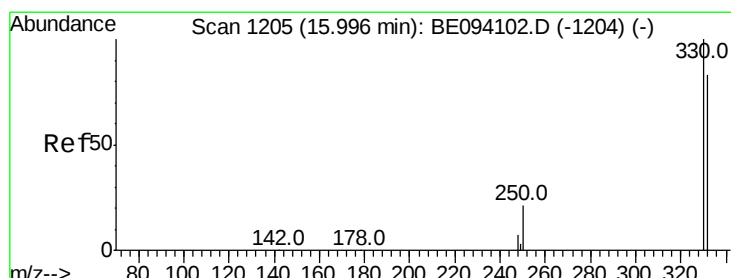
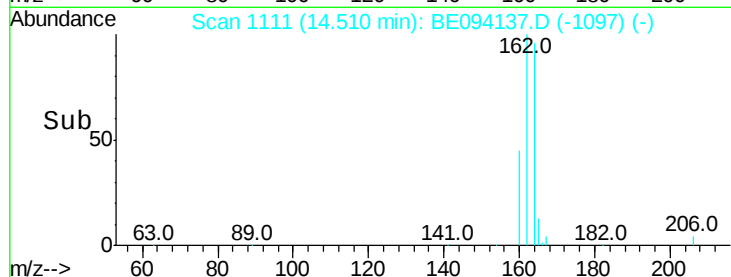
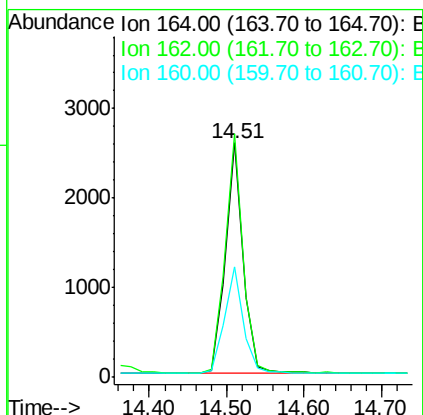
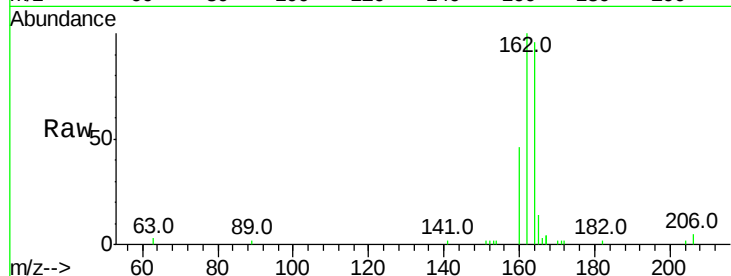




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

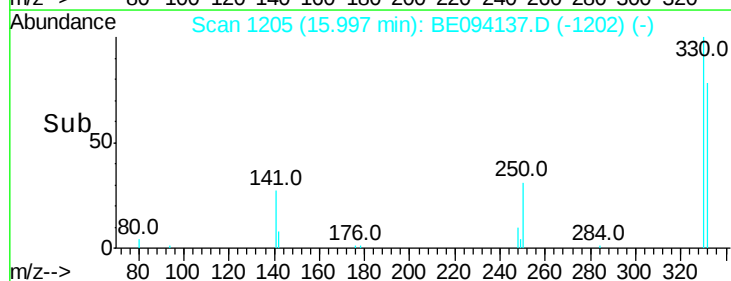
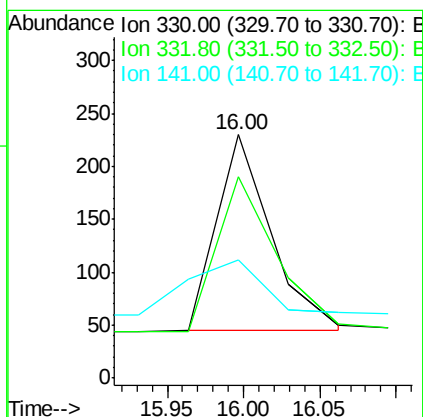
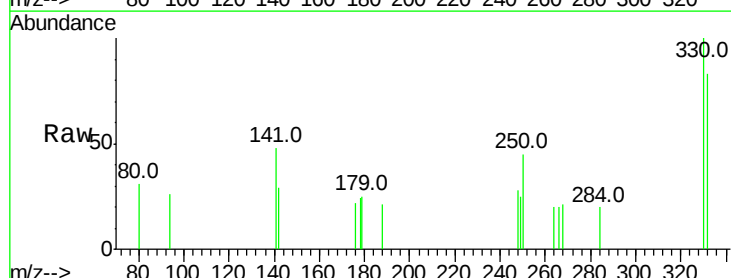
Instrument :
BNA_E
ClientSampleId :
PB102676BSD

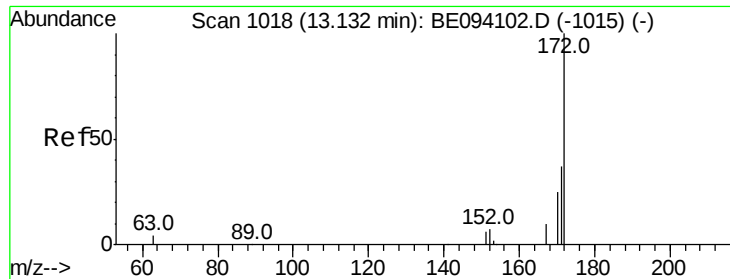
Tot Ion:164 Resp: 4061
Ion Ratio Lower Upper
164 100
162 104.0 83.1 124.7
160 47.4 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.174 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:330 Resp: 456
Ion Ratio Lower Upper
330 100
332 87.5 152.7 229.1#
141 0.0 33.7 50.5#

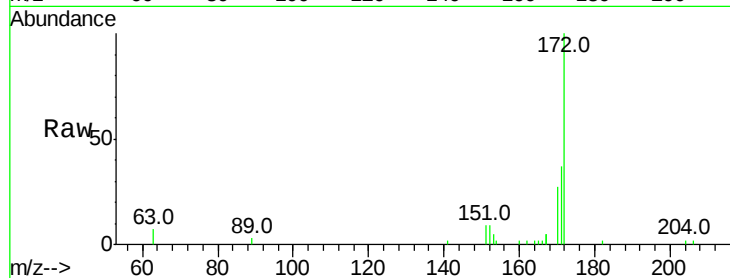




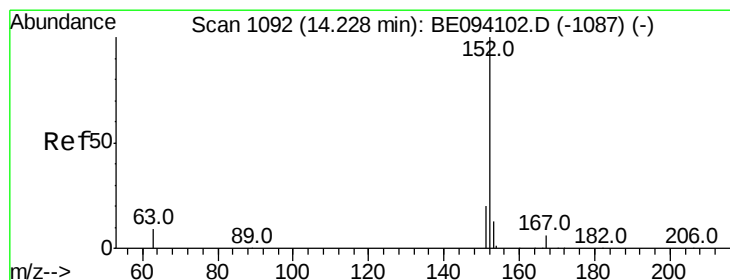
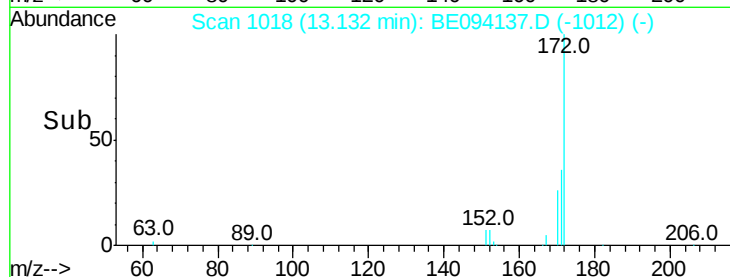
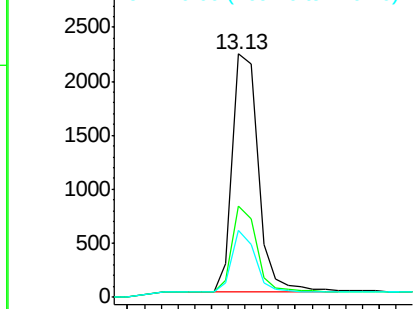
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tot Ion:172 Resp: 4761
Ion Ratio Lower Upper
172 100
171 37.4 29.9 44.9
170 27.5 21.8 32.8

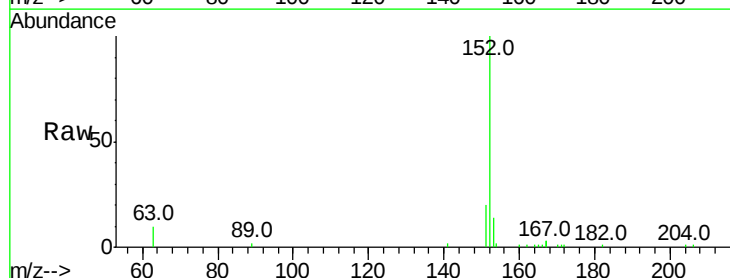


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

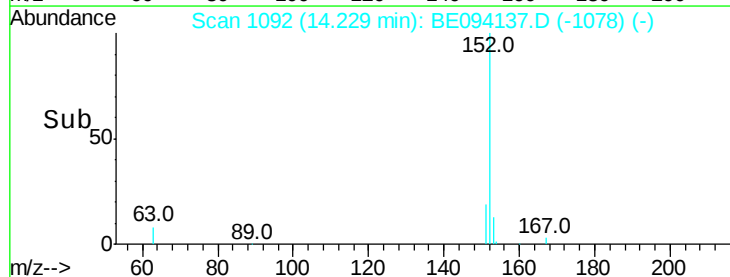
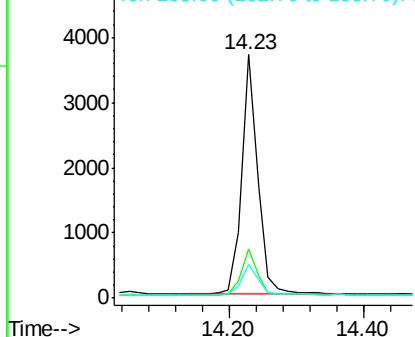


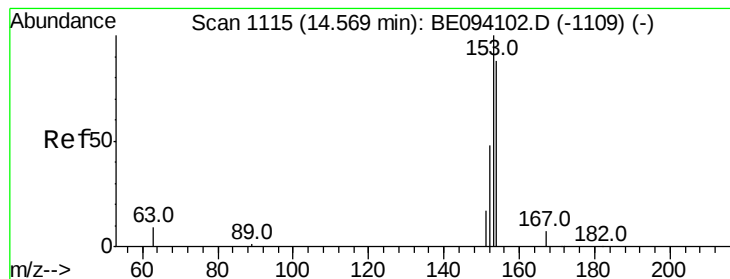
#16
Acenaphthylene
Concen: 0.301 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:152 Resp: 6120
Ion Ratio Lower Upper
152 100
151 18.8 15.7 23.5
153 13.4 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.323 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

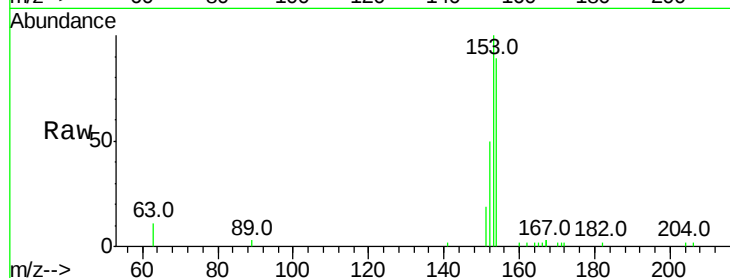
Tot Ion:154 Resp: 4108

Ion Ratio Lower Upper

154 100

153 113.0 89.2 133.8

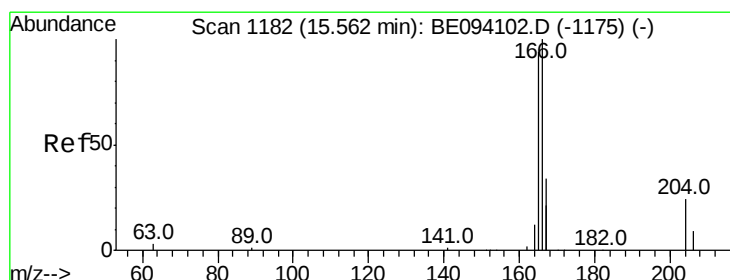
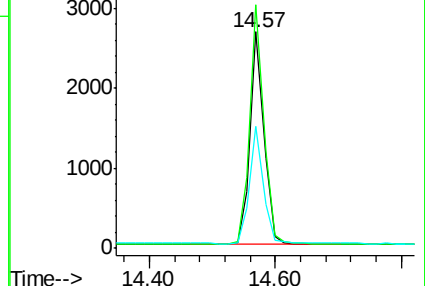
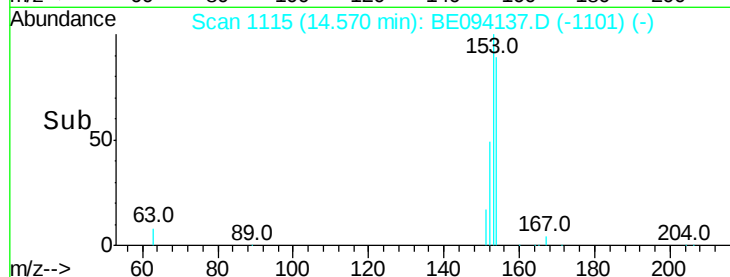
152 54.2 42.0 63.0



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: 0.311 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

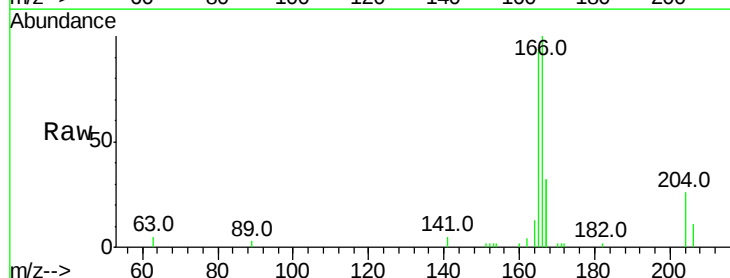
Tgt Ion:166 Resp: 5370

Ion Ratio Lower Upper

166 100

165 97.1 77.8 116.6

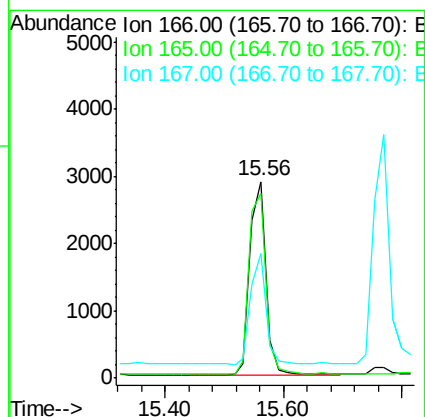
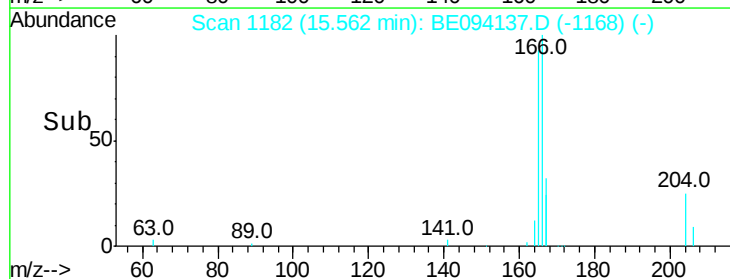
167 53.6 42.4 63.6

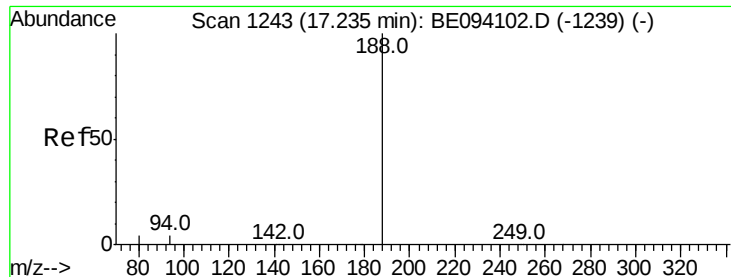


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

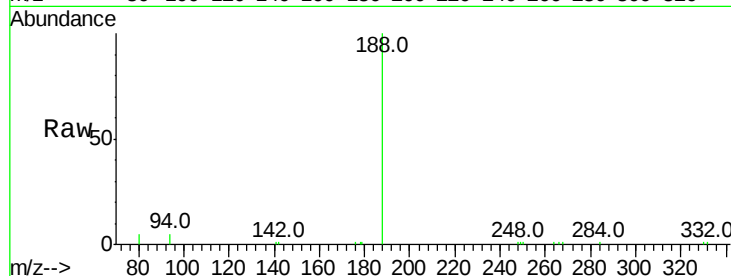
Tot Ion:188 Resp: 15634

Ion Ratio Lower Upper

188 100

94 5.5 3.9 5.9

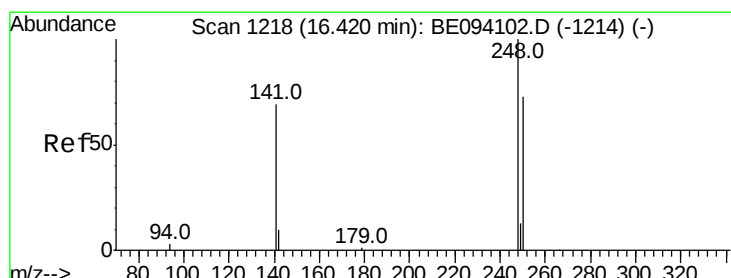
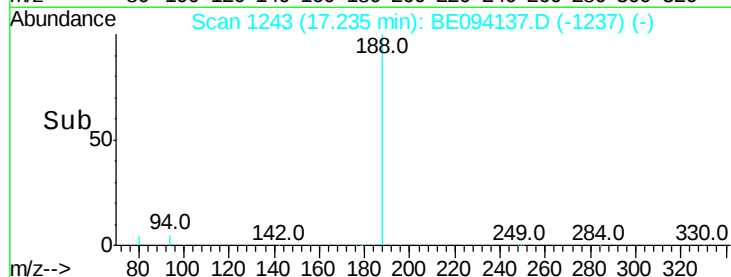
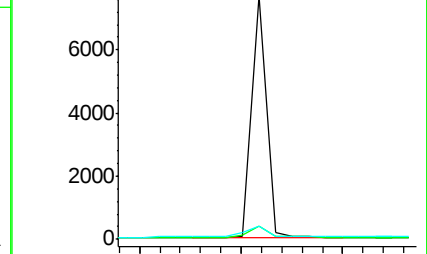
80 5.2 3.6 5.4



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: 0.277 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

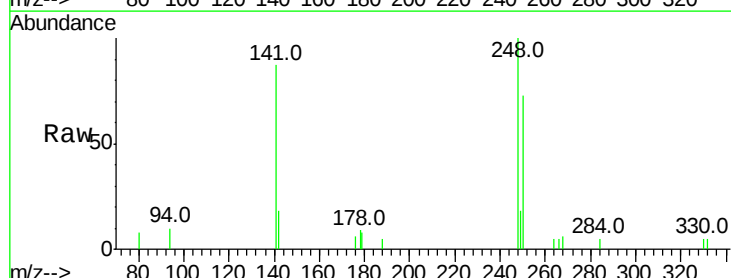
Tgt Ion:248 Resp: 1776

Ion Ratio Lower Upper

248 100

250 73.2 62.7 94.1

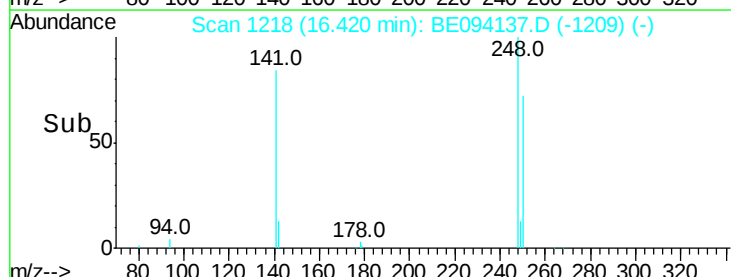
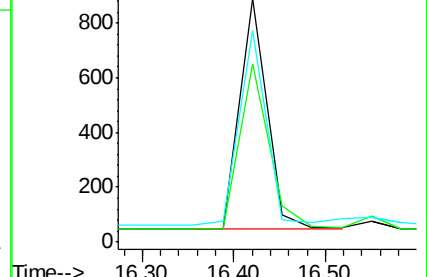
141 86.8 48.2 72.2#

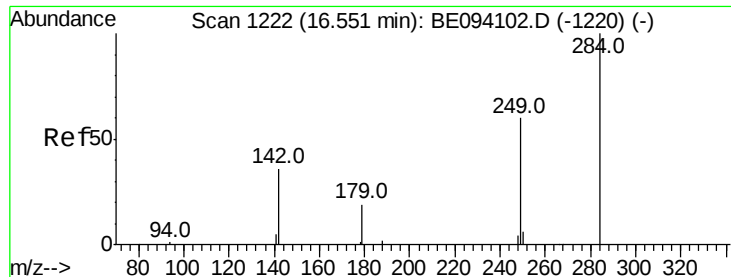


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.329 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

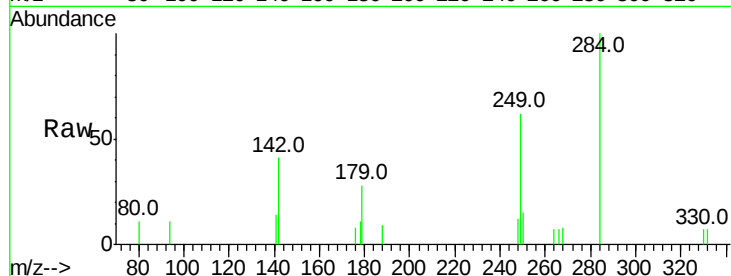
Tot Ion:284 Resp: 1330

Ion Ratio Lower Upper

284 100

142 36.5 22.1 33.1#

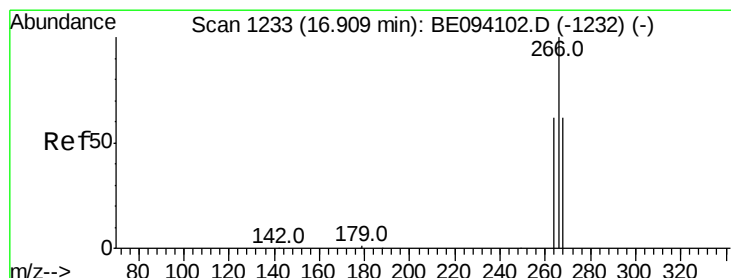
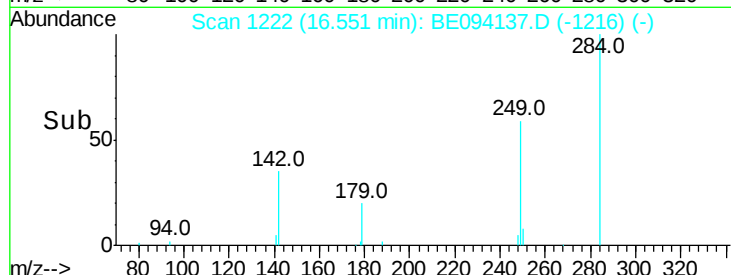
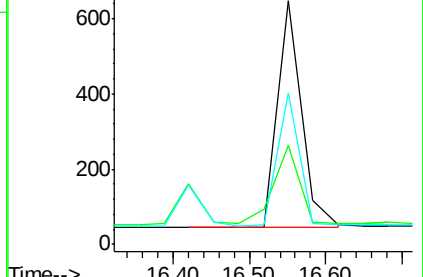
249 53.2 34.8 52.2#



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: 0.352 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

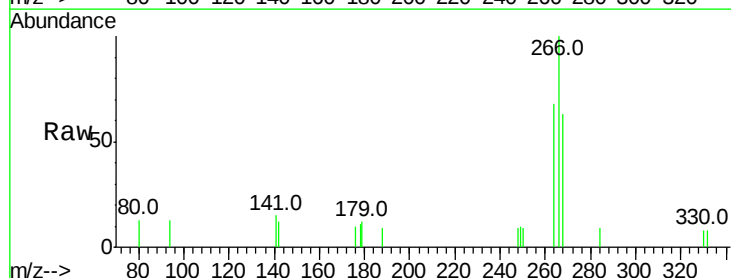
Tgt Ion:266 Resp: 1305

Ion Ratio Lower Upper

266 100

264 67.6 72.5 108.7#

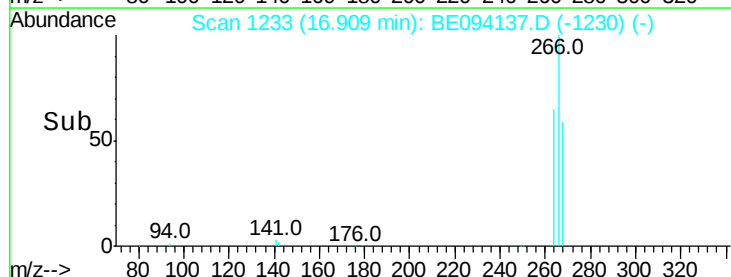
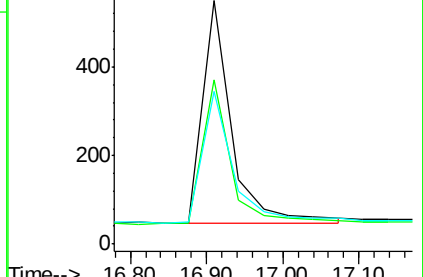
268 62.7 73.8 110.6#



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: 0.321 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

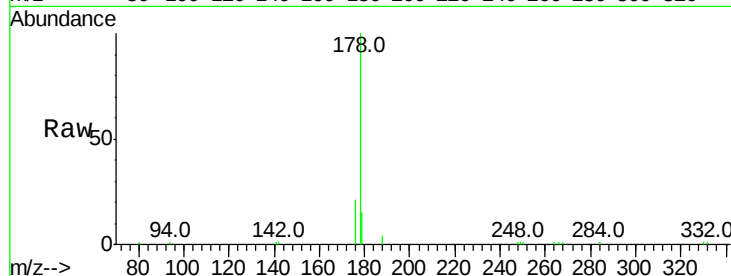
Tot Ion:178 Resp: 12836

Ion Ratio Lower Upper

178 100

176 20.4 15.1 22.7

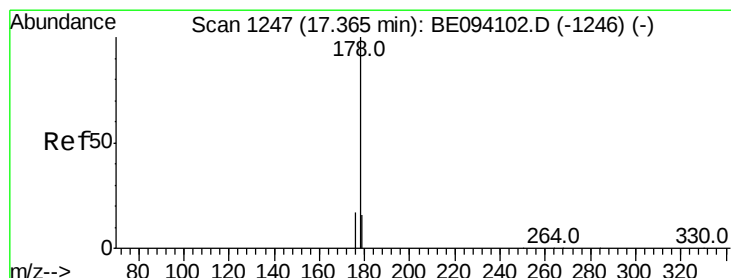
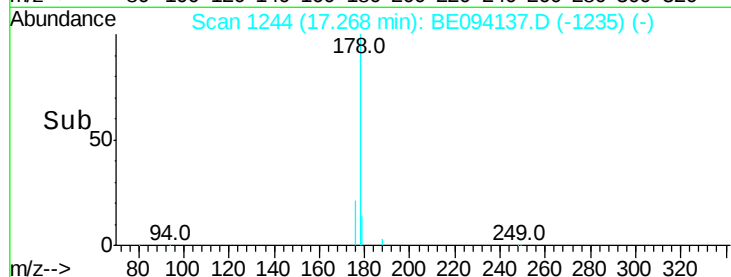
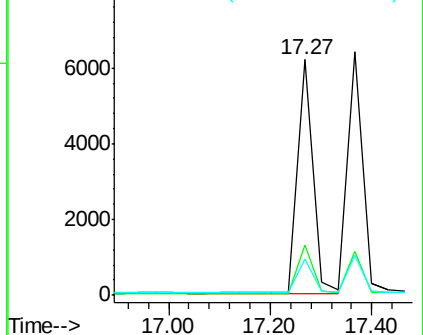
179 14.7 11.8 17.6



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: 0.312 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

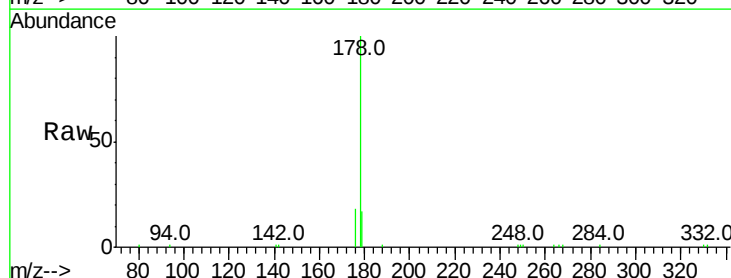
Tgt Ion:178 Resp: 13104

Ion Ratio Lower Upper

178 100

176 17.1 12.8 19.2

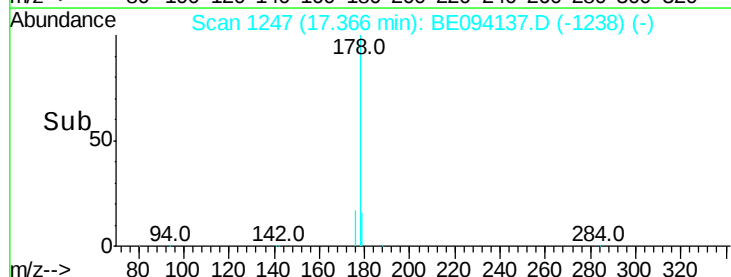
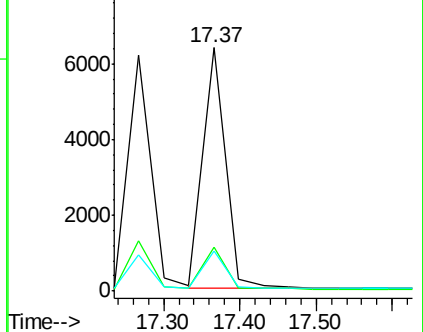
179 15.7 13.0 19.6

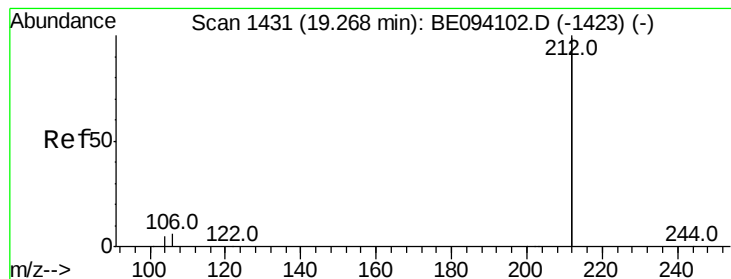


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

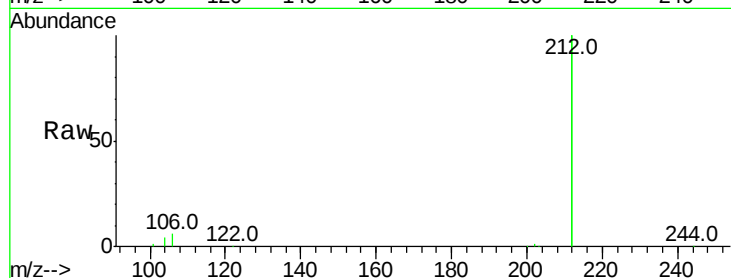
Tot Ion:212 Resp: 52103

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

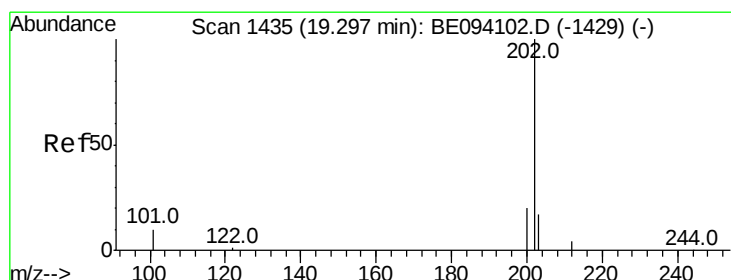
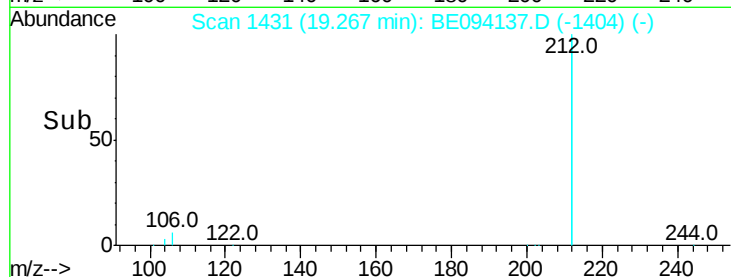
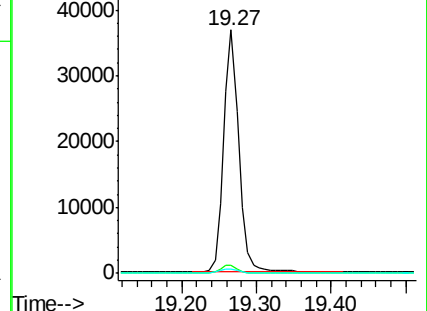
104 2.0 1.6 2.4



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: 0.309 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

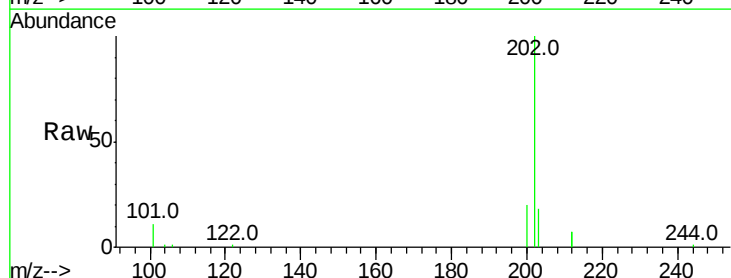
Tgt Ion:202 Resp: 13872

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

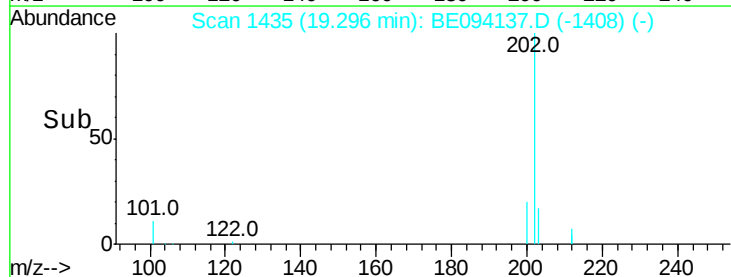
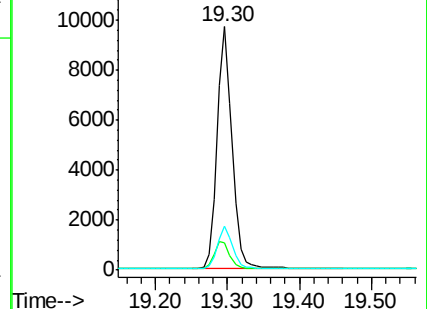
203 17.3 13.7 20.5



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

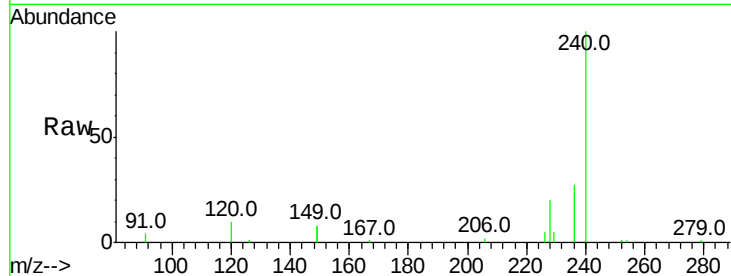




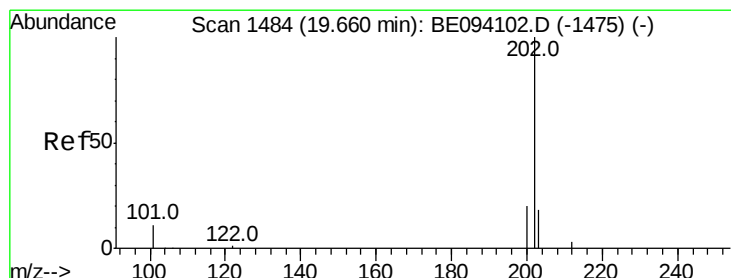
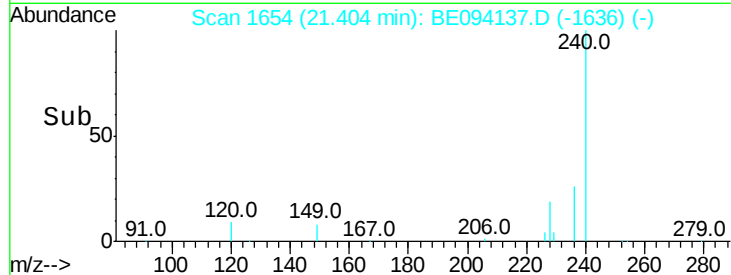
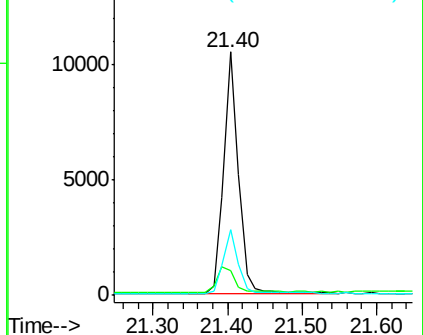
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094137.D
 Acq: 28 Sep 2017 19:29

Instrument :
 BNA_E
 ClientSampleId :
 PB102676BSD

Tot Ion:240 Resp: 14411
 Ion Ratio Lower Upper
 240 100
 120 9.9 5.5 8.3#
 236 27.0 20.7 31.1

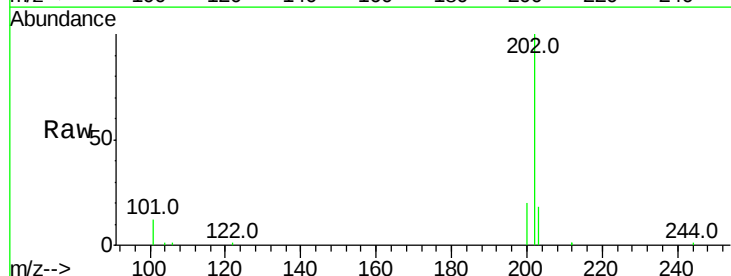


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

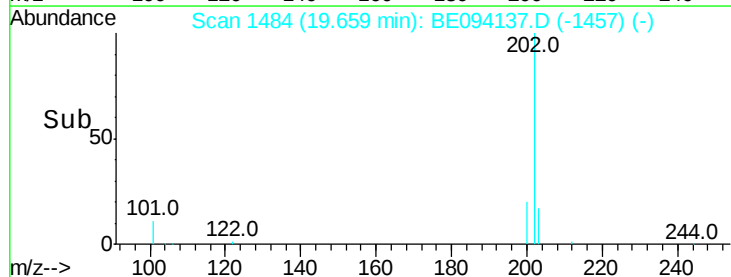
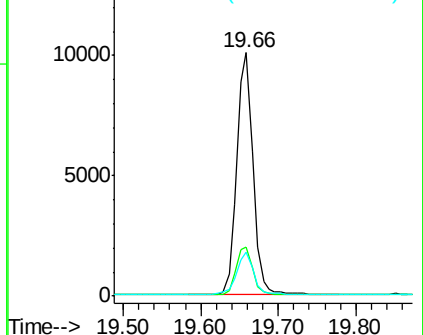


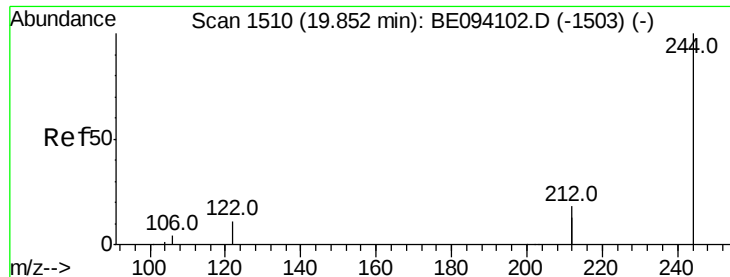
#28
 Pyrene
 Concen: 0.319 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BE094137.D
 Acq: 28 Sep 2017 19:29

Tgt Ion:202 Resp: 14570
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.6 25.0
 203 17.7 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: 0.336 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

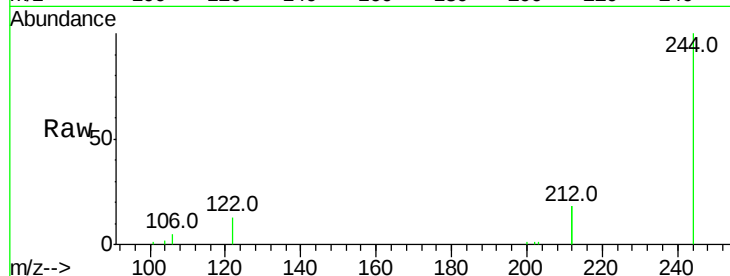
Tot Ion:244 Resp: 8822

Ion Ratio Lower Upper

244 100

212 35.8 25.4 38.0

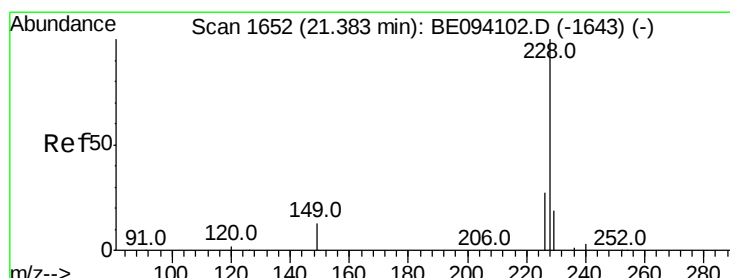
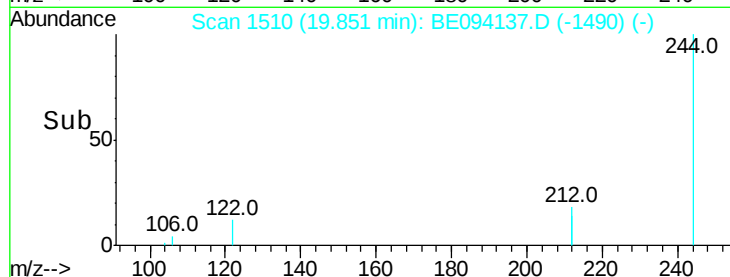
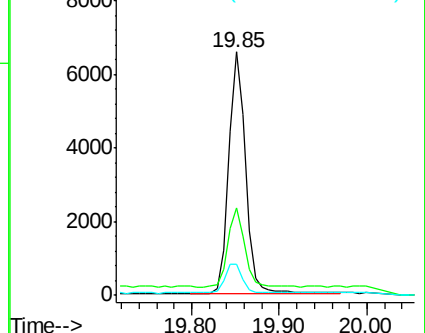
122 12.7 8.1 12.1#



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: 0.314 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

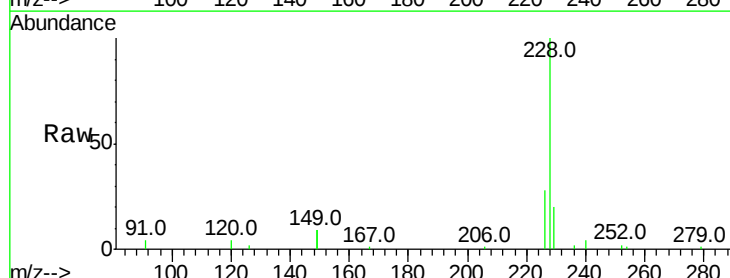
Tgt Ion:228 Resp: 15246

Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.0

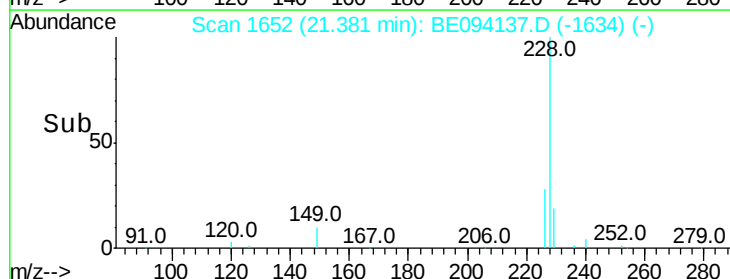
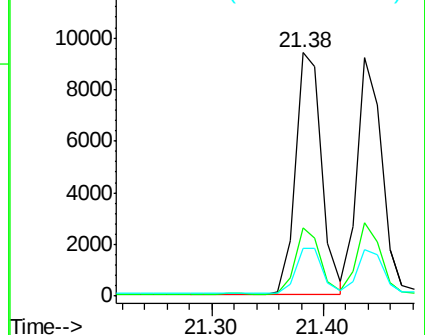
229 19.5 16.4 24.6



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: 0.307 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

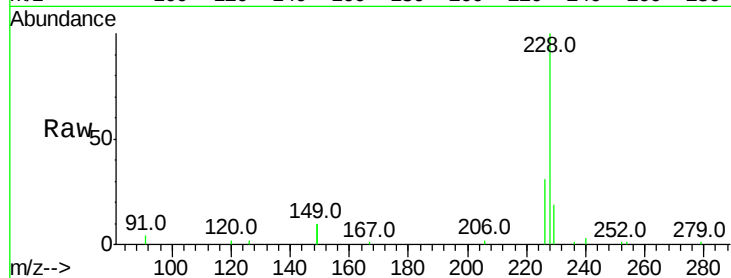
Tot Ion:228 Resp: 14389

Ion Ratio Lower Upper

228 100

226 30.9 23.6 35.4

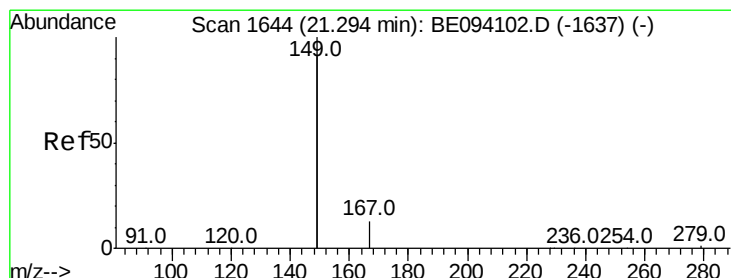
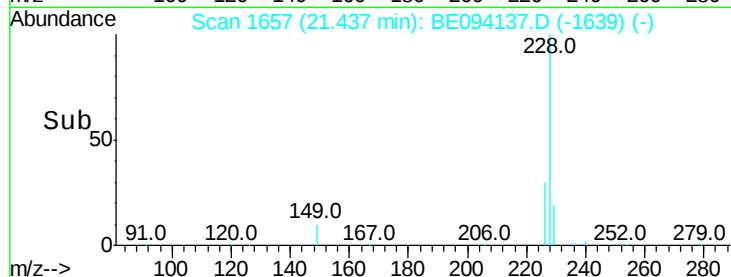
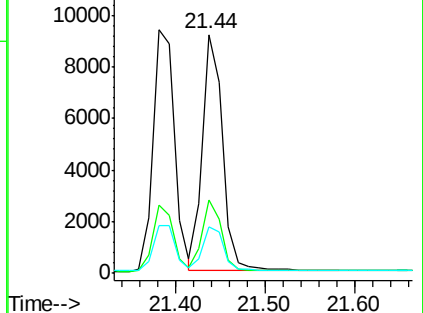
229 19.4 16.4 24.6



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: 0.045 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

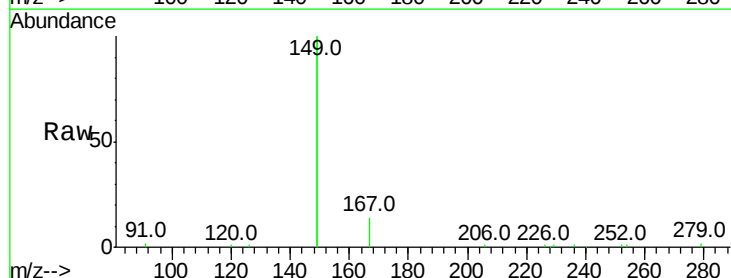
Tgt Ion:149 Resp: 36947

Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

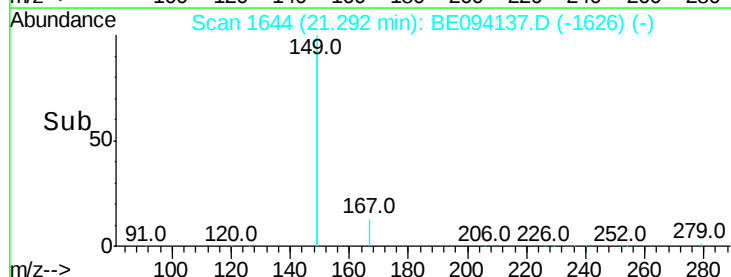
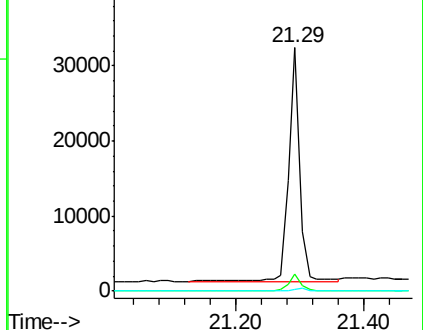
279 0.9 0.7 1.1



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: 0.304 ng

RT: 26.56 min Scan# 2699

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

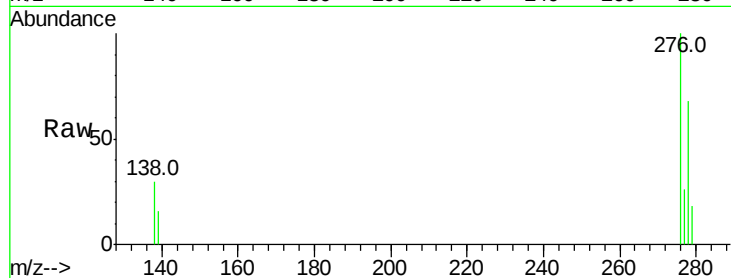
Tot Ion:276 Resp: 15214

Ion Ratio Lower Upper

276 100

138 26.7 22.5 33.7

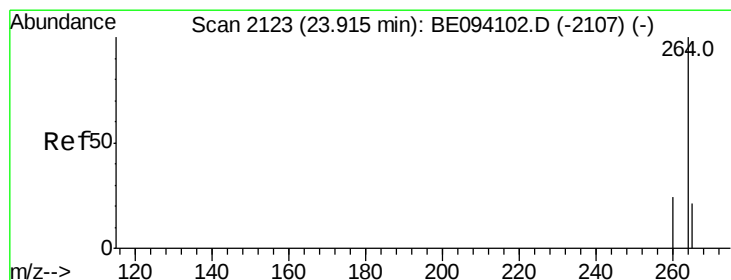
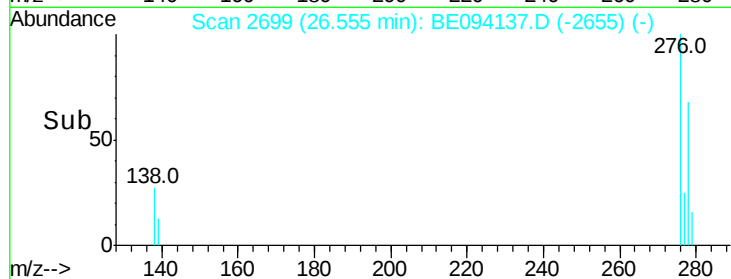
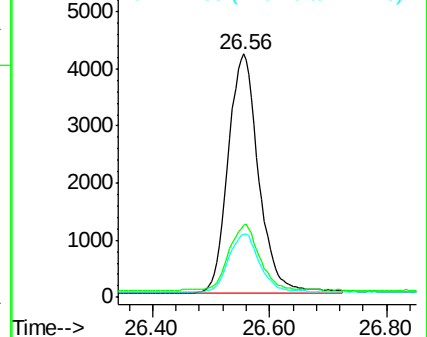
277 24.7 19.9 29.9



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# 2122

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

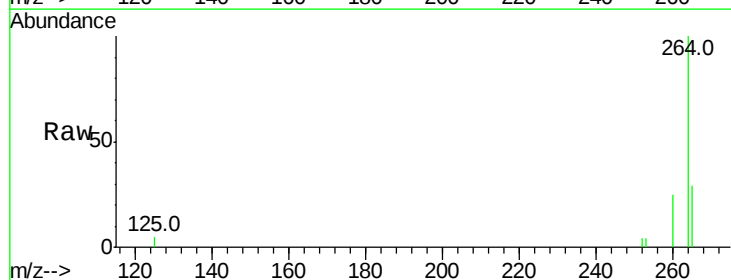
Tgt Ion:264 Resp: 13709

Ion Ratio Lower Upper

264 100

260 25.0 20.5 30.7

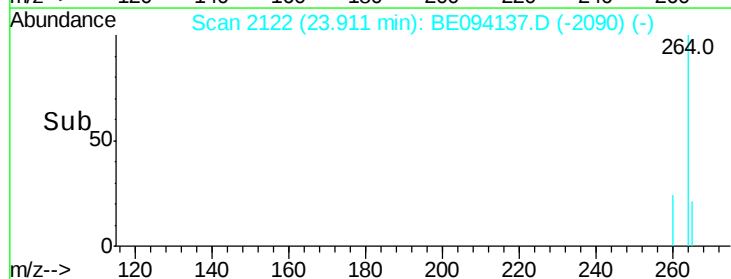
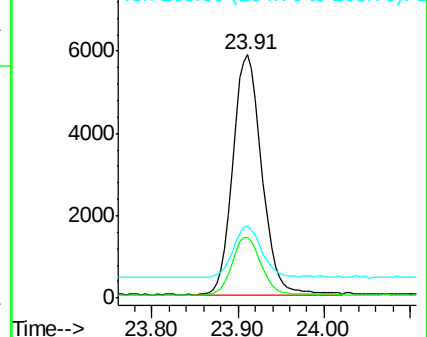
265 29.4 22.8 34.2



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: 0.294 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

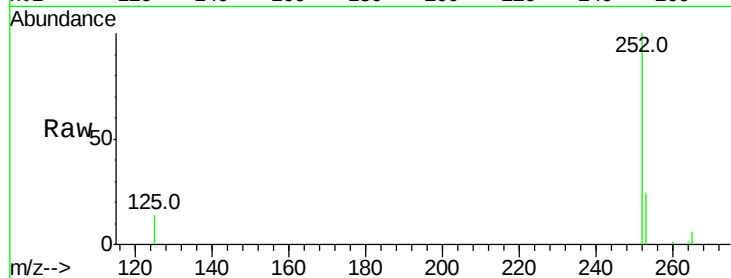
Tot Ion:252 Resp: 14527

Ion Ratio Lower Upper

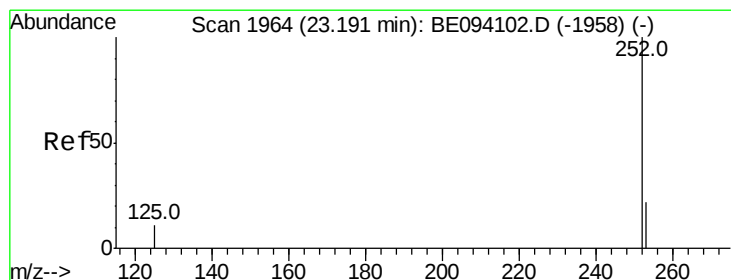
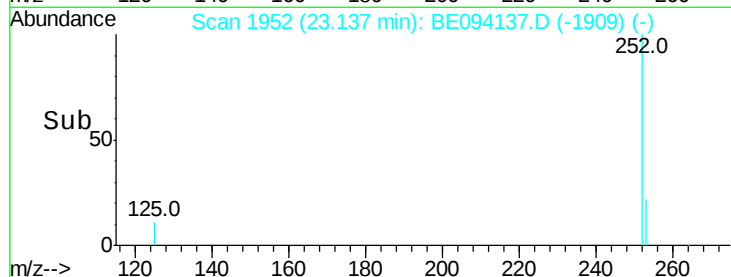
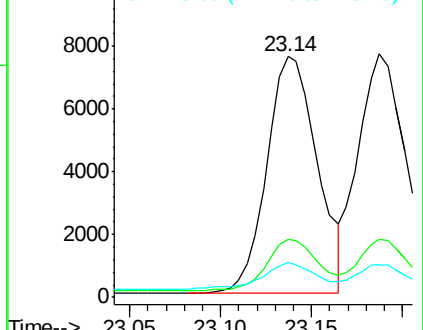
252 100

253 24.3 18.2 27.2

125 14.3 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: 0.306 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

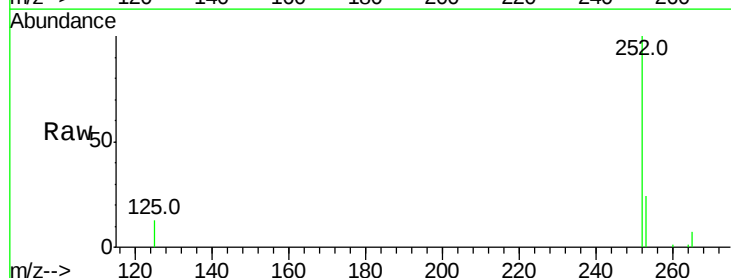
Tgt Ion:252 Resp: 14513

Ion Ratio Lower Upper

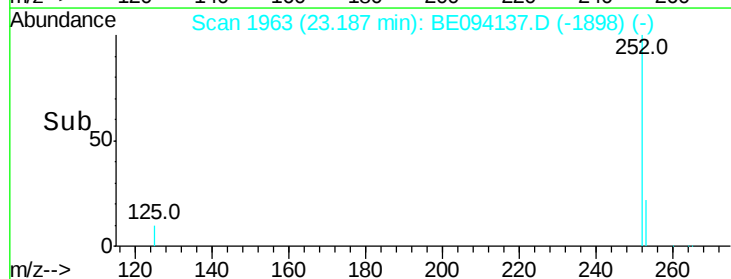
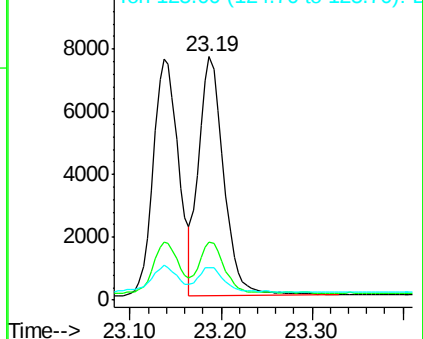
252 100

253 24.0 18.6 27.8

125 13.5 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: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD

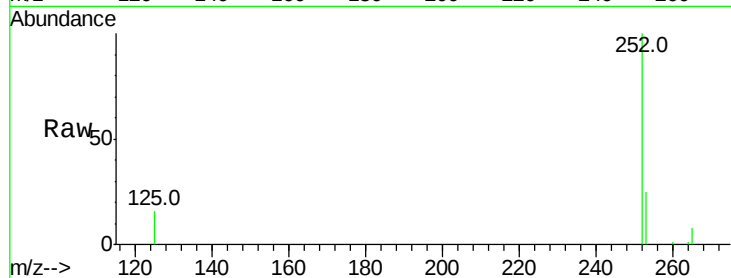
Tot Ion:252 Resp: 13861

Ion Ratio Lower Upper

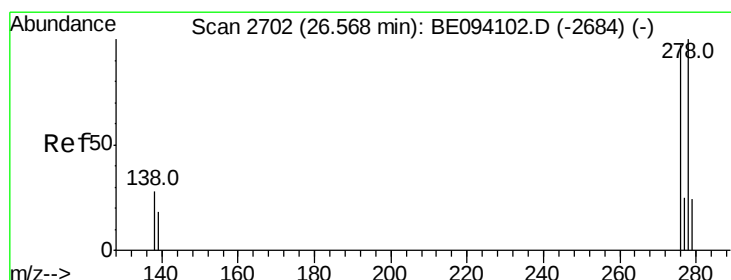
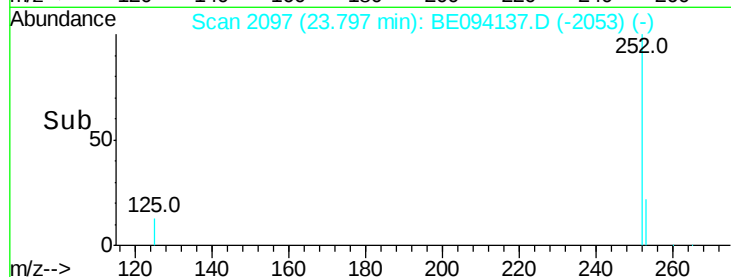
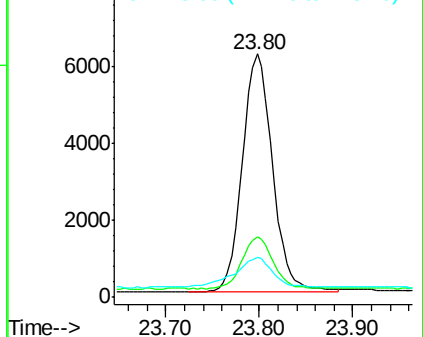
252 100

253 24.7 19.0 28.6

125 16.5 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: 0.299 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.00 min

Lab File: BE094137.D

Acq: 28 Sep 2017 19:29

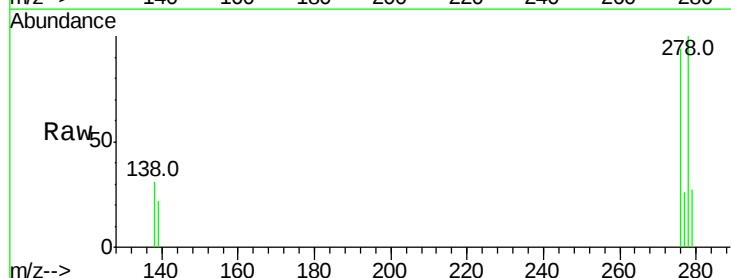
Tgt Ion:278 Resp: 12667

Ion Ratio Lower Upper

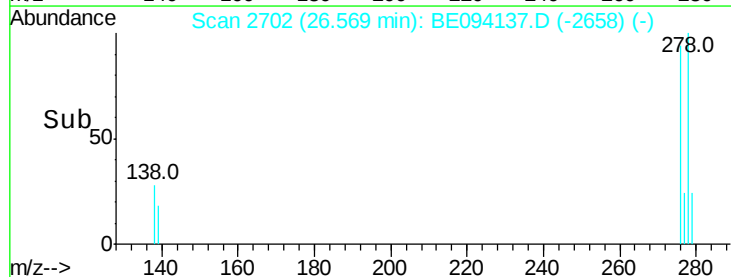
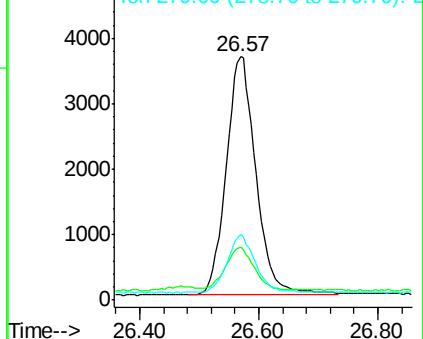
278 100

139 21.6 16.3 24.5

279 26.8 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: 0.306 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BE094137.D

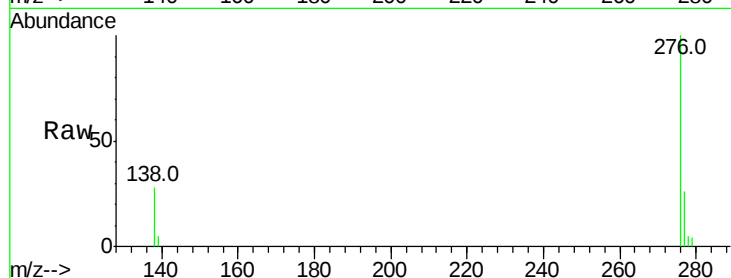
Acq: 28 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

PB102676BSD



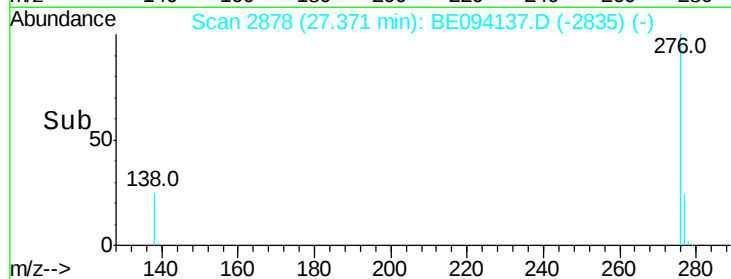
Tot Ion:276 Resp: 12808

Ion Ratio Lower Upper

276 100

277 26.0 20.8 31.2

138 27.6 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

