

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112717\
 Data File : BE094869.D
 Acq On : 27 Nov 2017 13:10
 Operator : SJ/JU
 Sample : PB104402BSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104402BSD

Quant Time: Nov 27 15:32:37 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	533	0.40	ng	0.02
7) Naphthalene-d8	10.72	136	3124	0.40	ng	0.02
13) Acenaphthene-d10	14.53	164	1762	0.40	ng	0.02
19) Phenanthrene-d10	17.27	188	4883	0.40	ng	0.03
27) Chrysene-d12	21.44	240	6229	0.40	ng	0.01
34) Perylene-d12	23.98	264	5850	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	295	0.16	ng	0.13
5) Phenol-d6	7.25	99	694	0.25	ng	0.11
8) Nitrobenzene-d5	9.16	82	539	0.22	ng	0.08
11) 2-Methylnaphthalene-d10	12.33	152	1822	0.36	ng	0.04
14) 2,4,6-Tribromophenol	16.10	330	110	0.23	ng	0.07
15) 2-Fluorobiphenyl	13.18	172	1839	0.30	ng	0.03
25) Fluoranthene-d10	19.30	212	19516	0.31	ng	0.01
29) Terphenyl-d14	19.87	244	3324	0.28	ng	0.00

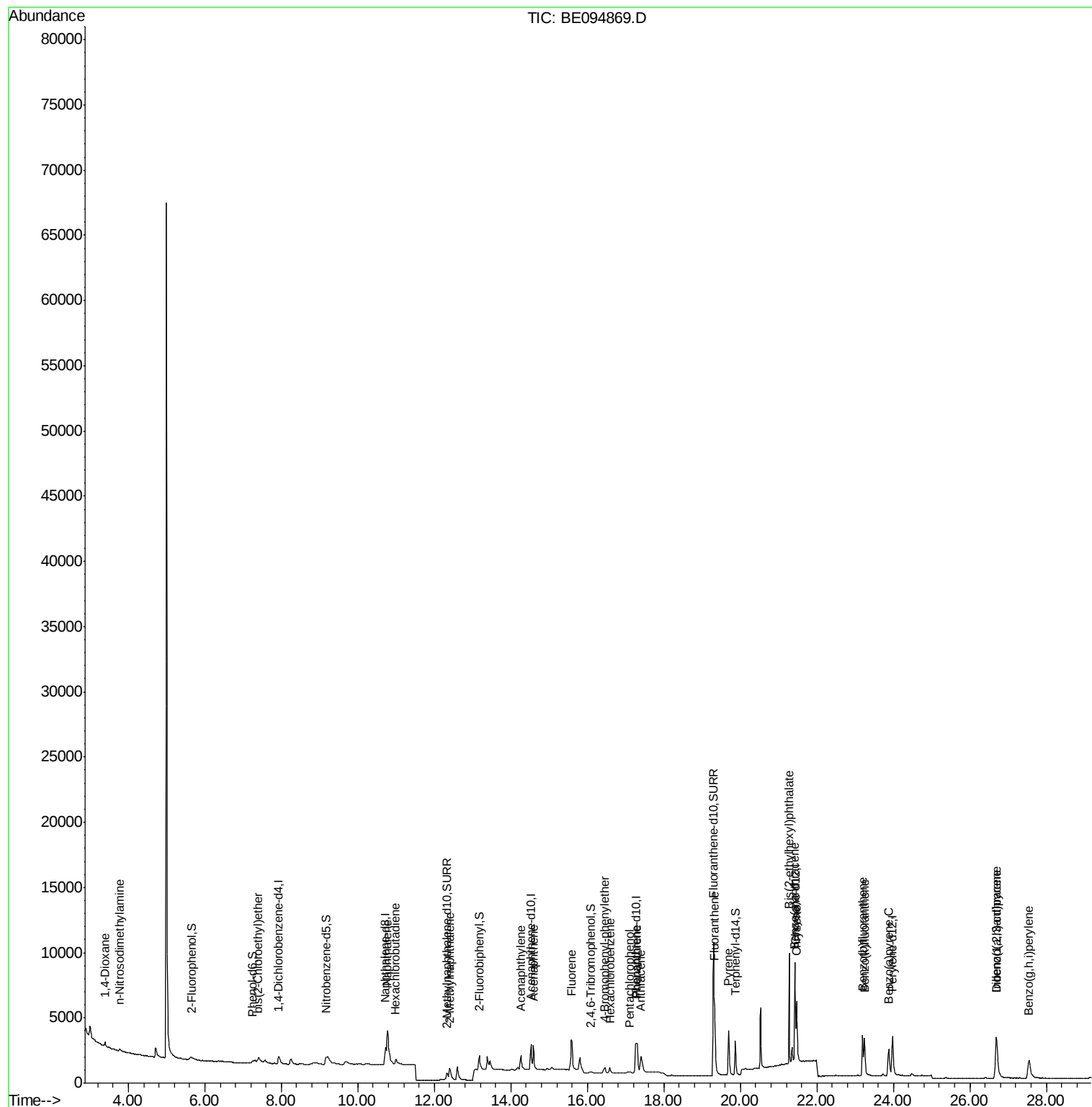
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	260	0.288	ng	# 58
3) n-Nitrosodimethylamine	3.76	42	223	0.258	ng	# 78
6) bis(2-Chloroethyl)ether	7.40	93	412	0.193	ng	77
9) Naphthalene	10.77	128	8033	0.227	ng	# 96
10) Hexachlorobutadiene	10.99	225	344	0.269	ng	97
12) 2-Methylnaphthalene	12.40	142	1424	0.237	ng	98
16) Acenaphthylene	14.26	152	2146	0.231	ng	100
17) Acenaphthene	14.59	154	1438	0.241	ng	98
18) Fluorene	15.59	166	1920	0.251	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	471	0.177	ng	# 79
21) Hexachlorobenzene	16.58	284	591	0.253	ng	# 90
22) Pentachlorophenol	17.11	266	78	0.262	ng	99
23) Phenanthrene	17.30	178	3687	0.263	ng	99
24) Anthracene	17.40	178	3469	0.242	ng	97
26) Fluoranthene	19.33	202	4813	0.232	ng	# 97
28) Pyrene	19.69	202	5029	0.231	ng	98
30) Benzo(a)anthracene	21.42	228	5262	0.259	ng	# 63
31) Chrysene	21.47	228	5511	0.268	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.27	149	9954	0.200	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.70	276	5334	0.280	ng	94
35) Benzo(b)fluoranthene	23.20	252	4857	0.257	ng	# 41
36) Benzo(k)fluoranthene	23.25	252	5637	0.280	ng	# 41
37) Benzo(a)pyrene	23.87	252	5028	0.274	ng	# 35
38) Dibenzo(a,h)anthracene	26.68	278	4529	0.275	ng	# 46
39) Benzo(g,h,i)perylene	27.54	276	4583	0.297	ng	# 56

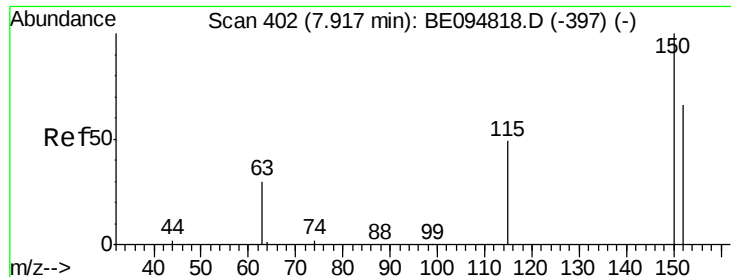
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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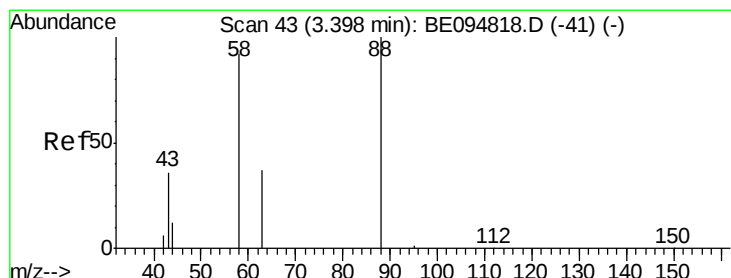
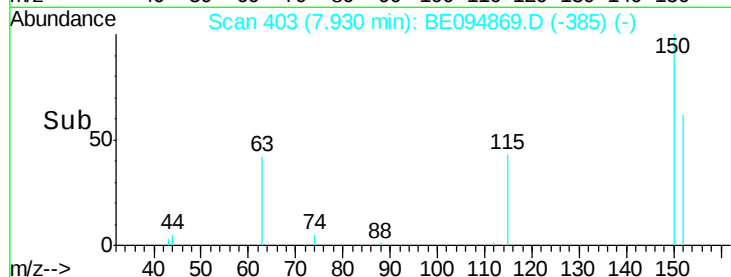
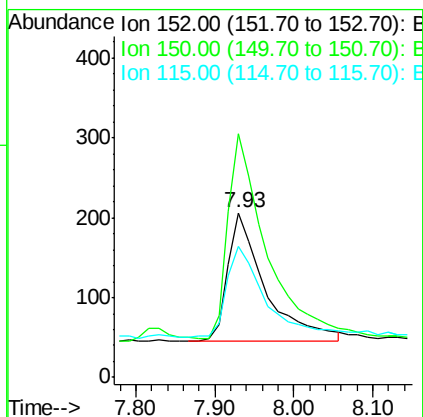
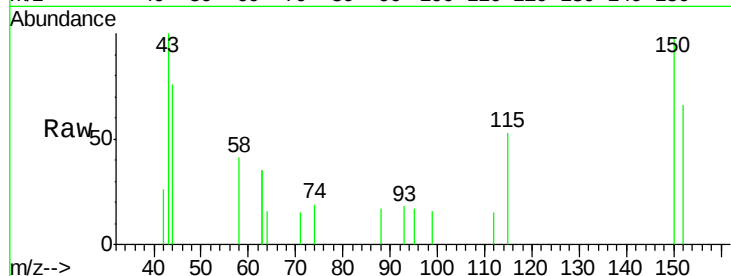


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.93 min Scan# 403
Delta R.T. 0.02 min
Lab File: BE094869.D
Acq: 27 Nov 2017 13:10

Instrument :
BNA_E
ClientSampleId :
PB104402BSD

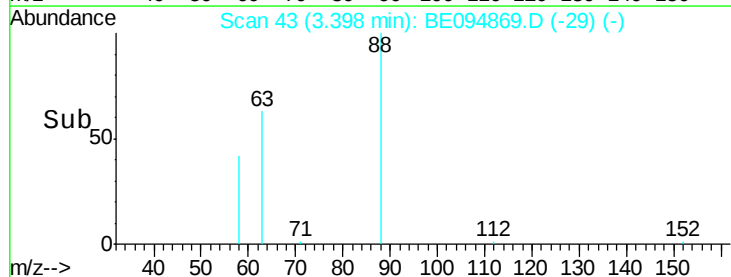
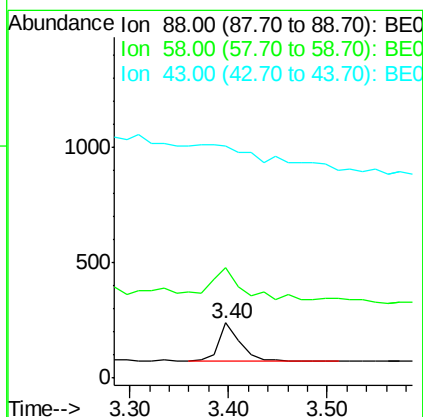
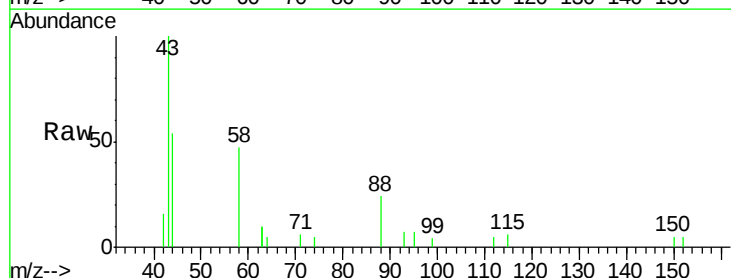
Tgt Ion:152 Resp: 533
Ion Ratio Lower Upper
152 100
150 148.1 117.2 175.8
115 79.6 57.0 85.6

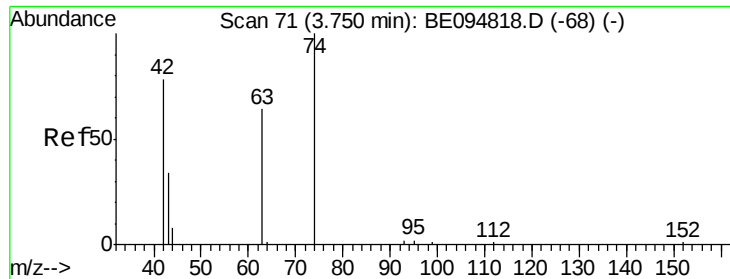


#2

1,4-Dioxane
Concen: 0.288 ng
RT: 3.40 min Scan# 43
Delta R.T. -0.03 min
Lab File: BE094869.D
Acq: 27 Nov 2017 13:10

Tgt Ion: 88 Resp: 260
Ion Ratio Lower Upper
88 100
58 97.3 63.2 94.8#
43 0.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.258 ng

RT: 3.76 min Scan# 72

Delta R.T. 0.01 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

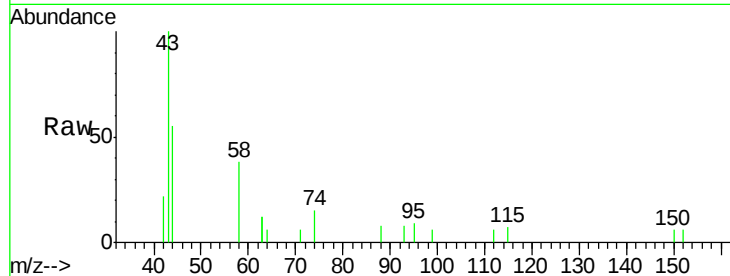
Tgt Ion: 42 Resp: 223

Ion Ratio Lower Upper

42 100

74 145.7 100.3 150.5

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

600

500

400

300

200

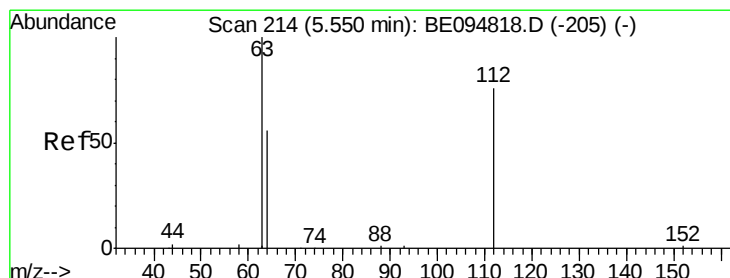
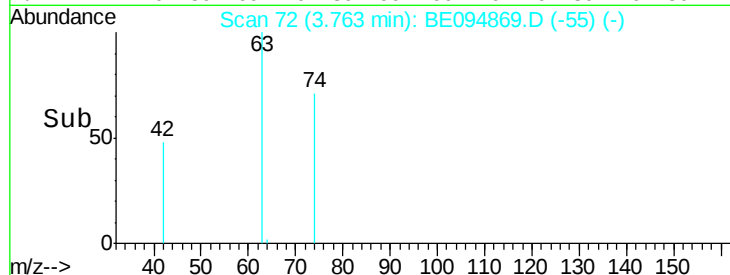
100

0

3.76

3.70 3.80 3.90

Time-->



#4

2-Fluorophenol

Concen: 0.162 ng

RT: 5.65 min Scan# 222

Delta R.T. 0.13 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

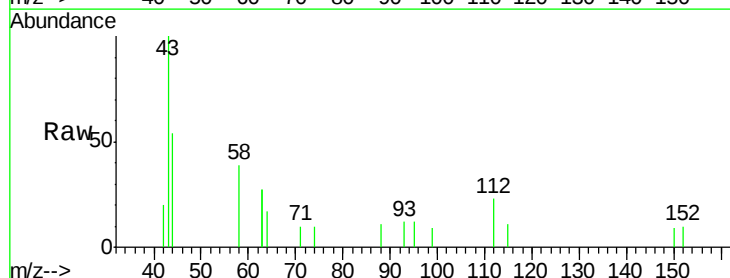
Tgt Ion: 112 Resp: 295

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

63 132.2 116.8 175.2



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

300

200

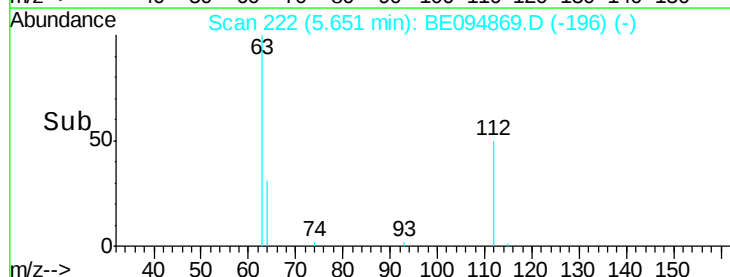
100

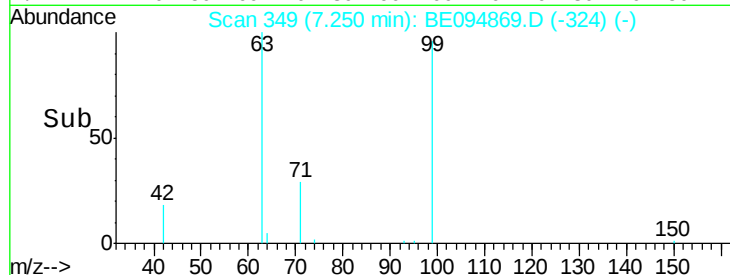
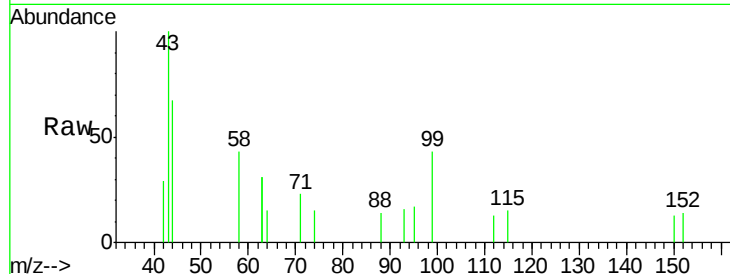
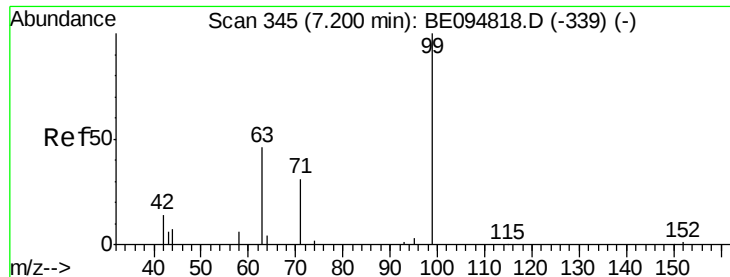
0

5.65

5.50 5.60 5.70

Time-->





#5

Phenol-d6

Concen: 0.252 ng

RT: 7.25 min Scan# 349

Delta R.T. 0.11 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

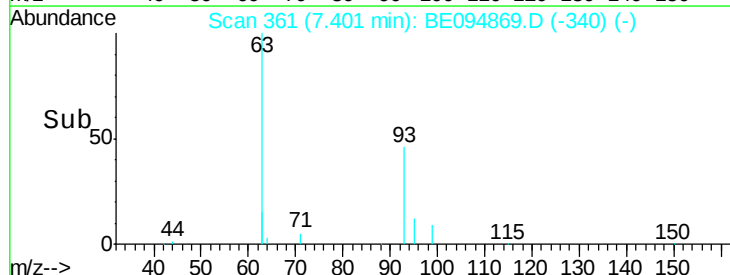
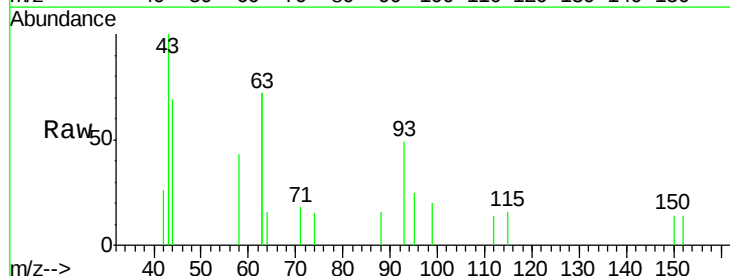
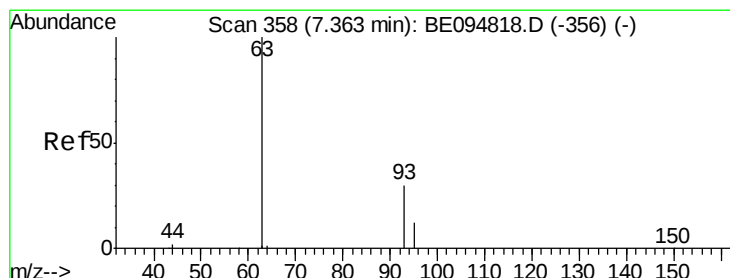
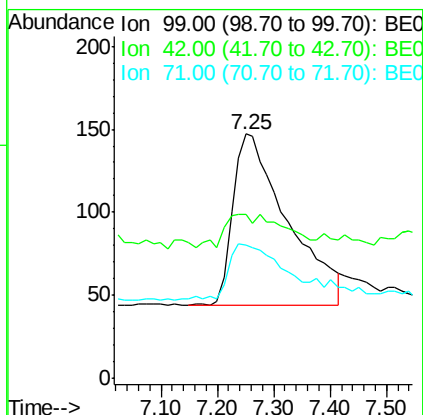
Tgt Ion: 99 Resp: 694

Ion Ratio Lower Upper

99 100

42 9.9 20.2 30.2#

71 34.3 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.193 ng

RT: 7.40 min Scan# 361

Delta R.T. 0.06 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

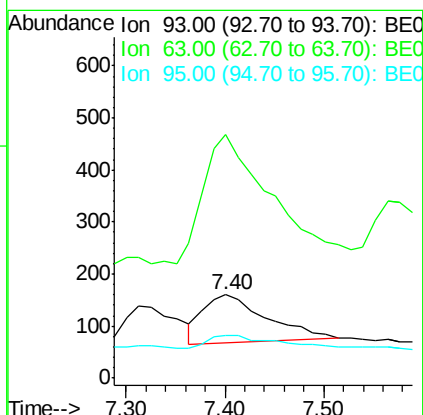
Tgt Ion: 93 Resp: 412

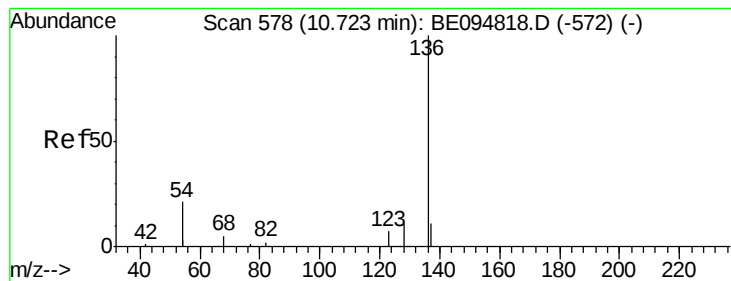
Ion Ratio Lower Upper

93 100

63 290.8 275.3 412.9

95 26.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.02 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

Tgt Ion: 136 Resp: 3124

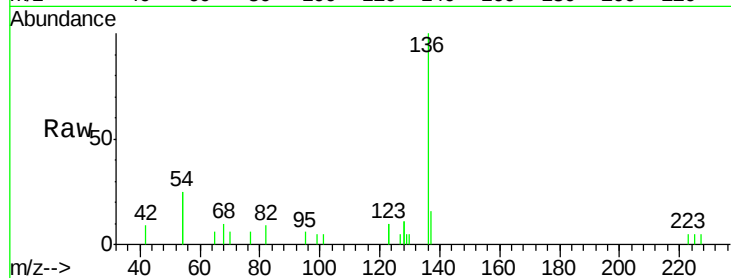
Ion Ratio Lower Upper

136 100

137 15.9 9.5 14.3#

54 49.6 29.1 43.7#

68 10.3 6.2 9.2#

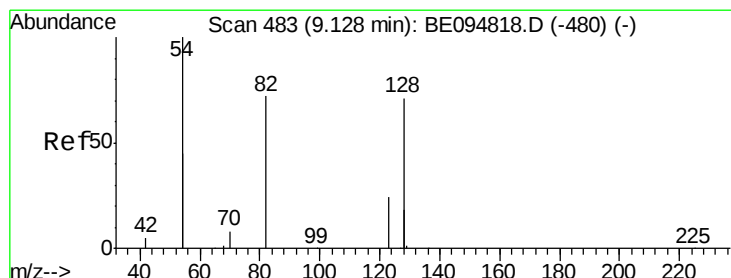
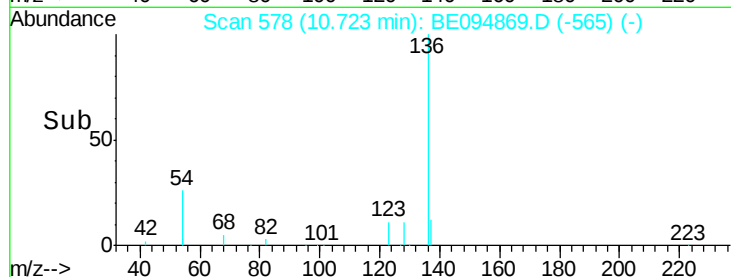
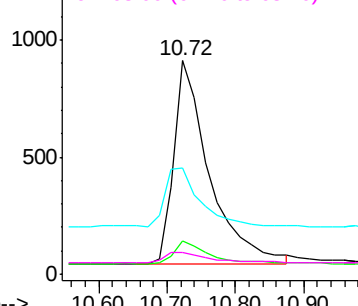


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.216 ng

RT: 9.16 min Scan# 485

Delta R.T. 0.08 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

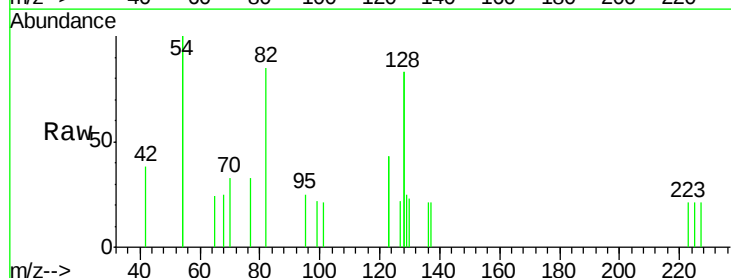
Tgt Ion: 82 Resp: 539

Ion Ratio Lower Upper

82 100

128 194.4 150.0 225.0

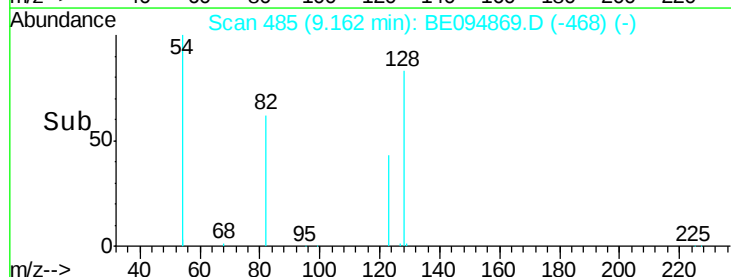
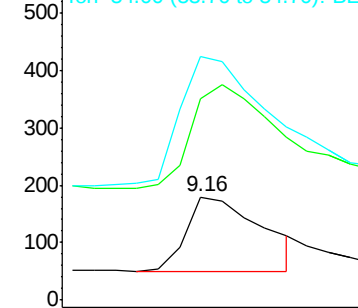
54 235.6 154.2 231.4#

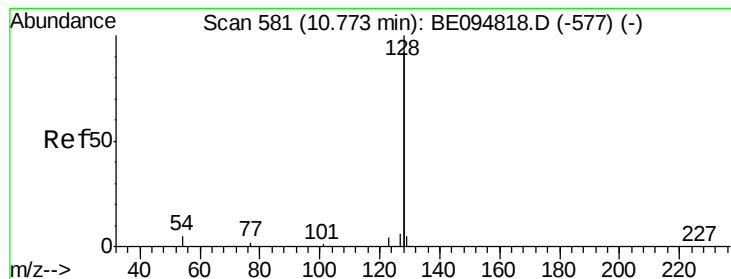


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.227 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.03 min

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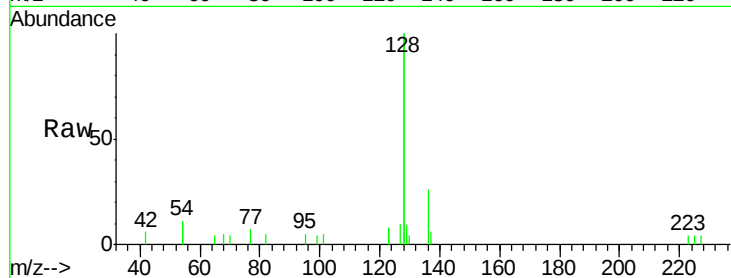
Tgt Ion:128 Resp: 8033

Ion Ratio Lower Upper

128 100

129 4.6 2.6 3.8#

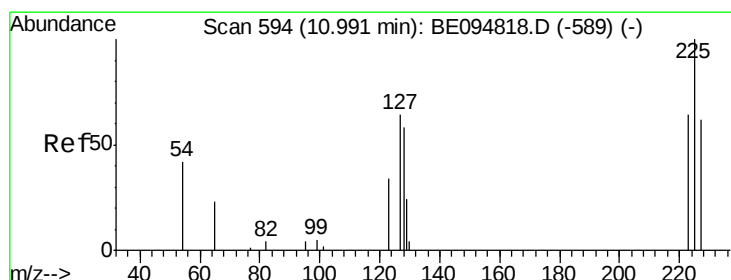
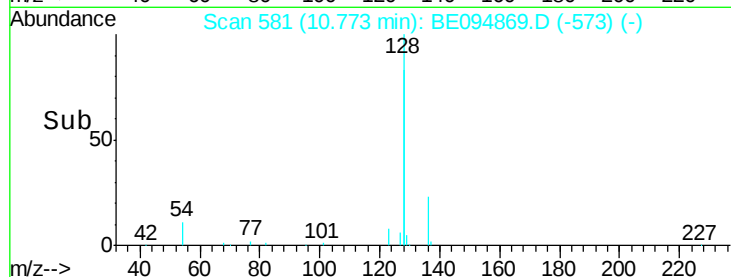
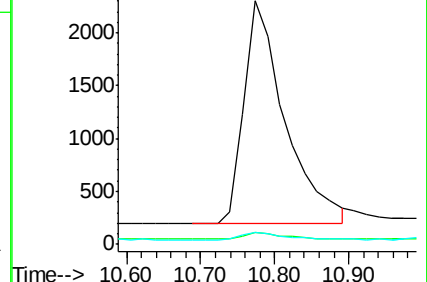
127 5.0 2.8 4.2#



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: 0.269 ng

RT: 10.99 min Scan# 594

Delta R.T. -0.02 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

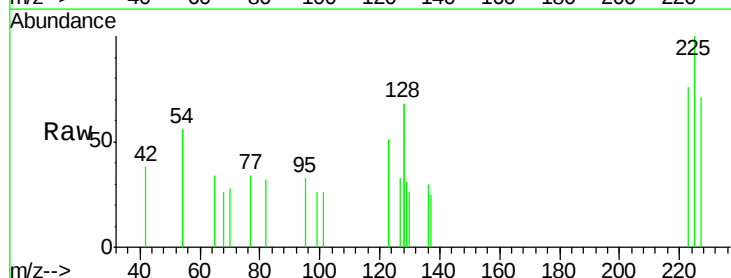
Tgt Ion:225 Resp: 344

Ion Ratio Lower Upper

225 100

223 63.7 53.0 79.6

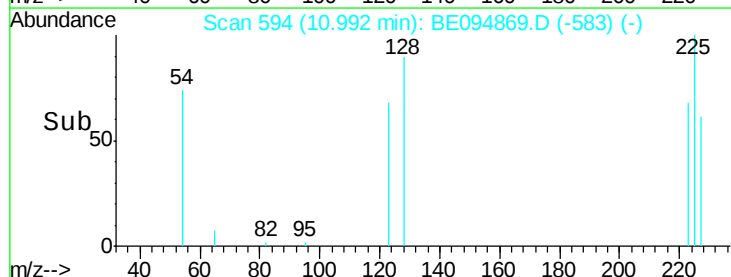
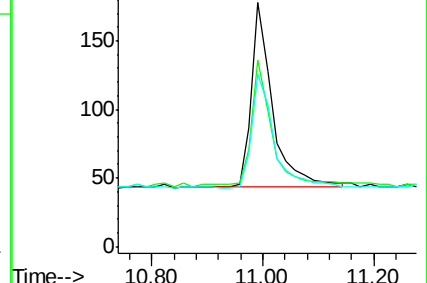
227 66.3 51.4 77.2

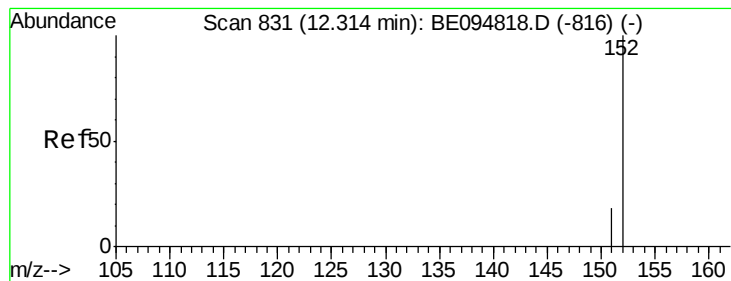


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.363 ng

RT: 12.33 min Scan# 834

Delta R.T. 0.04 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

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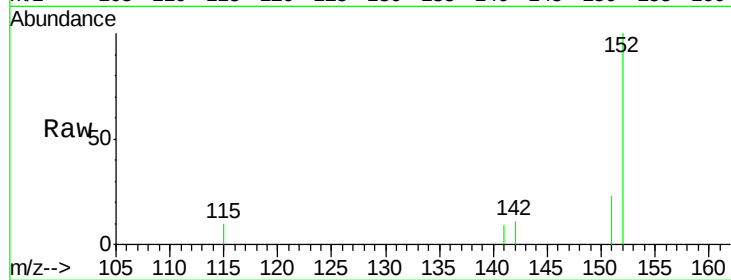
PB104402BSD

Tgt Ion:152 Resp: 1822

Ion Ratio Lower Upper

152 100

151 15.0 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.33

600

500

400

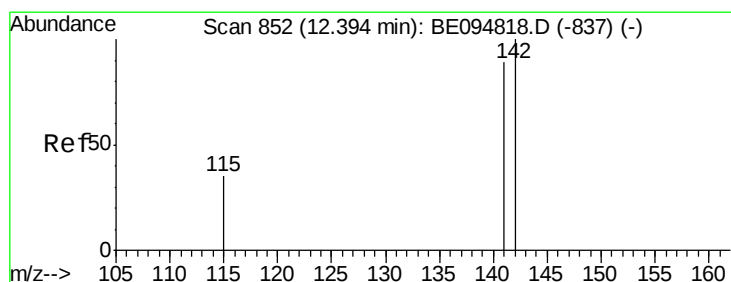
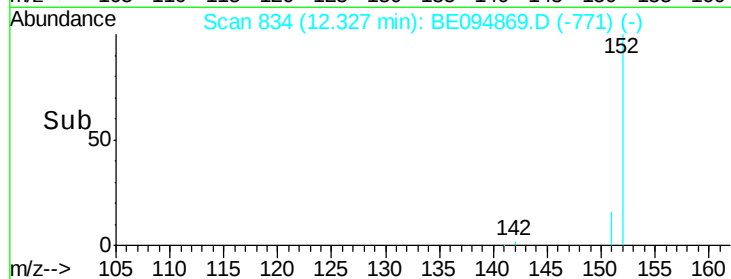
300

200

100

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.237 ng

RT: 12.40 min Scan# 854

Delta R.T. 0.04 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

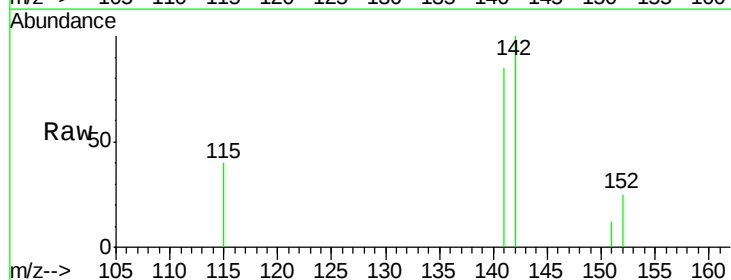
Tgt Ion:142 Resp: 1424

Ion Ratio Lower Upper

142 100

141 85.1 70.4 105.6

115 40.0 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

12.40

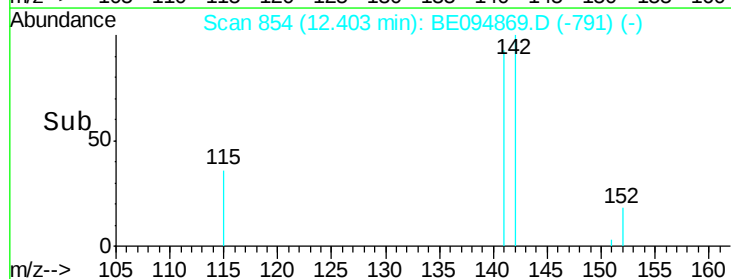
600

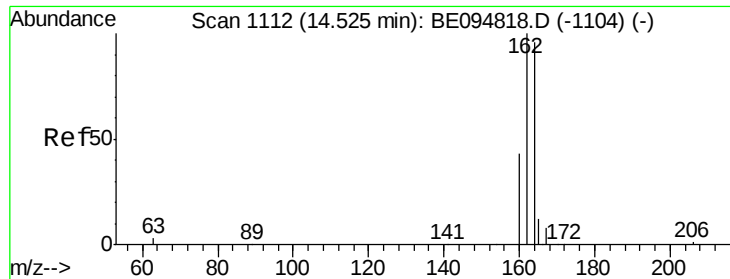
400

200

0

Time--> 12.30 12.40 12.50





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.02 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

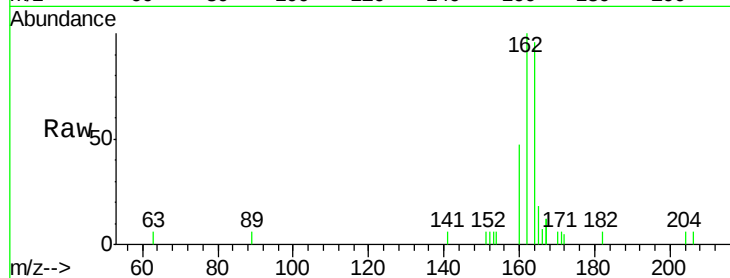
Tgt Ion:164 Resp: 1762

Ion Ratio Lower Upper

164 100

162 104.6 83.1 124.7

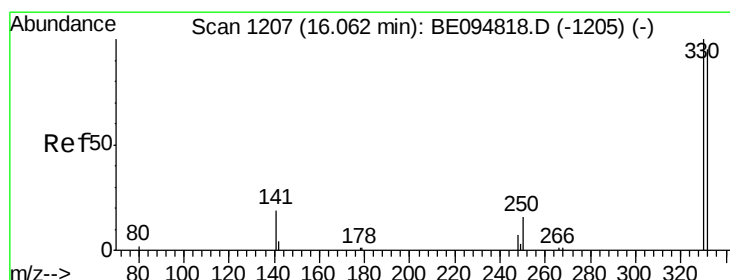
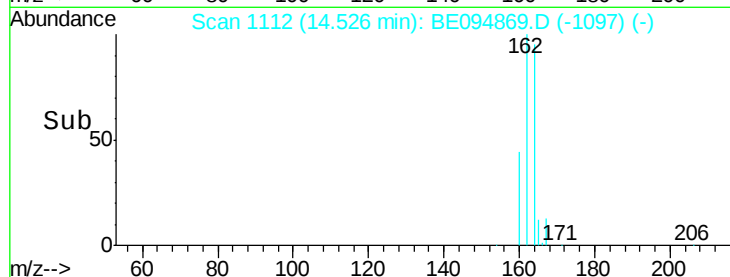
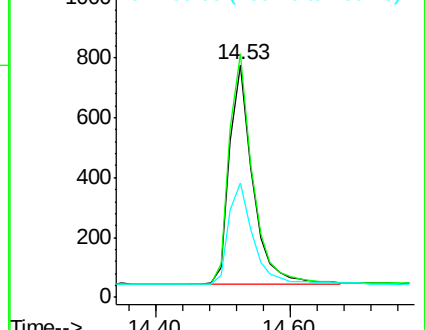
160 48.9 37.1 55.7



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: 0.226 ng

RT: 16.10 min Scan# 1208

Delta R.T. 0.07 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

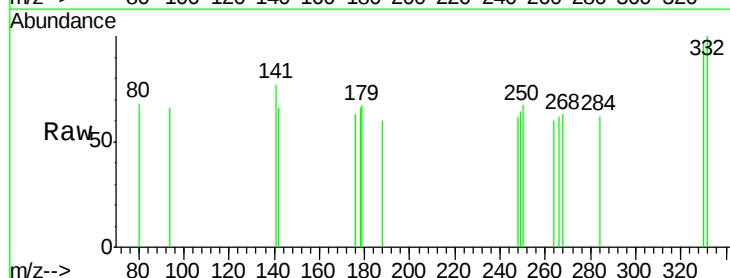
Tgt Ion:330 Resp: 110

Ion Ratio Lower Upper

330 100

332 100.9 152.7 229.1#

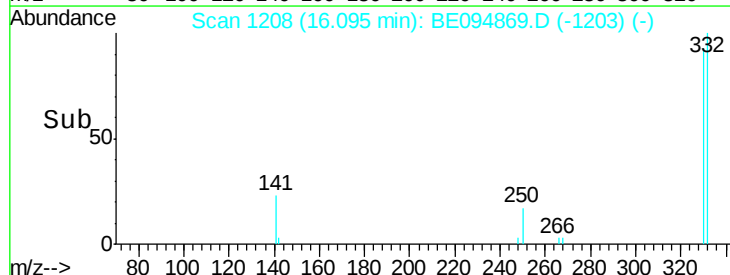
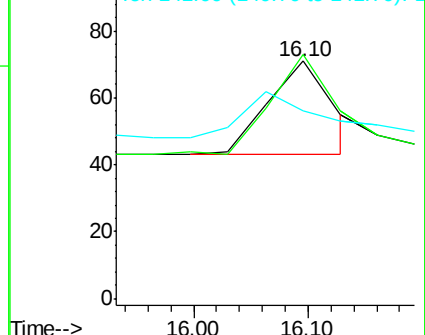
141 0.0 33.7 50.5#

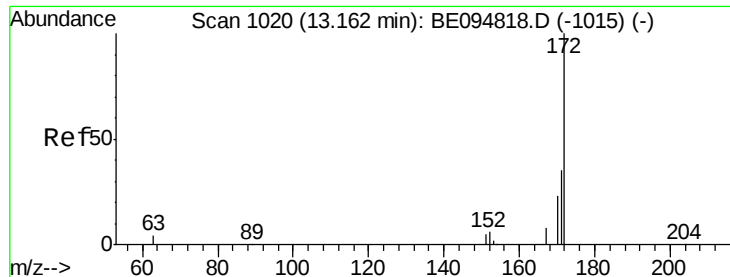


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

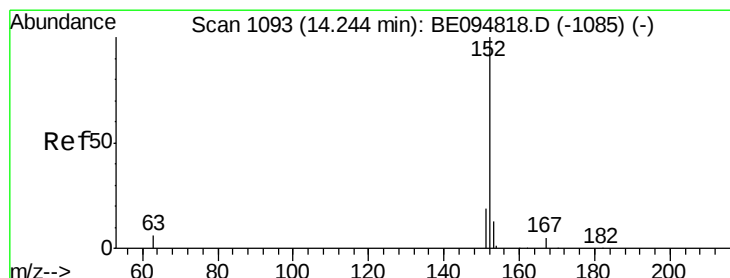
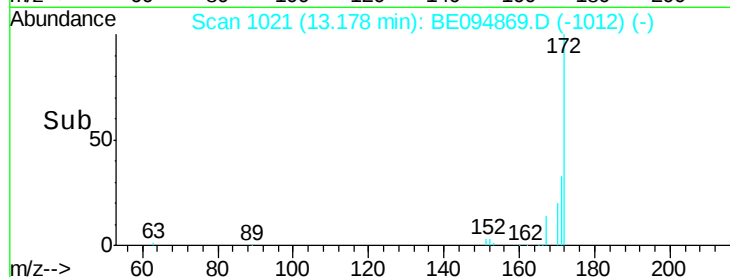
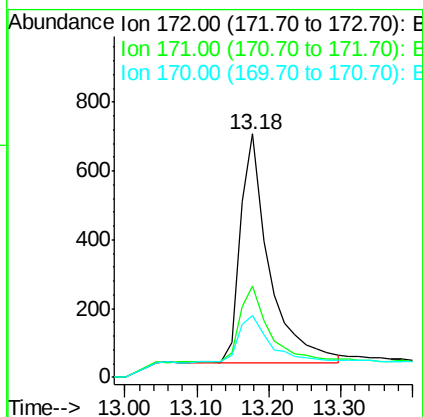
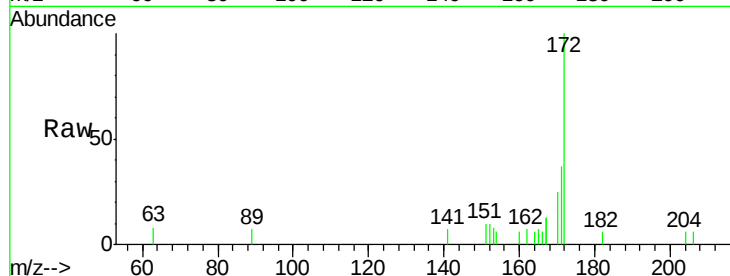




#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.03 min
Lab File: BE094869.D
Acq: 27 Nov 2017 13:10

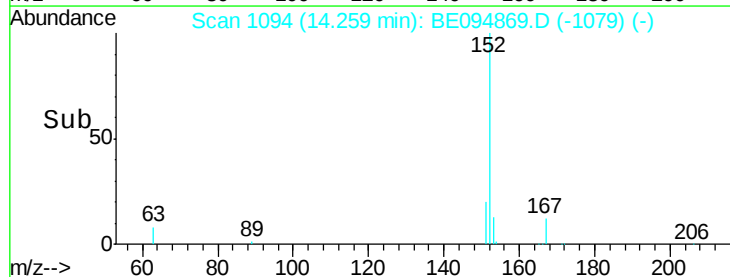
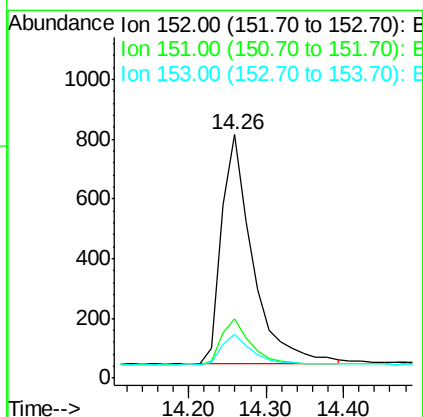
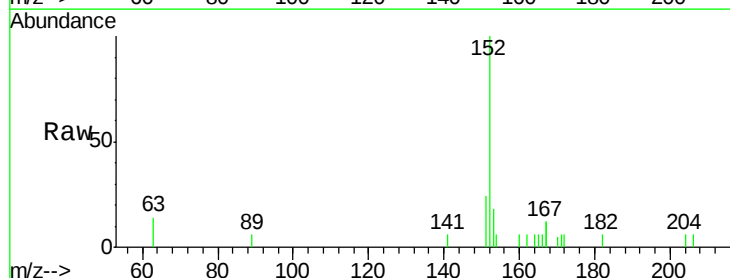
Instrument :
BNA_E
ClientSampleId :
PB104402BSD

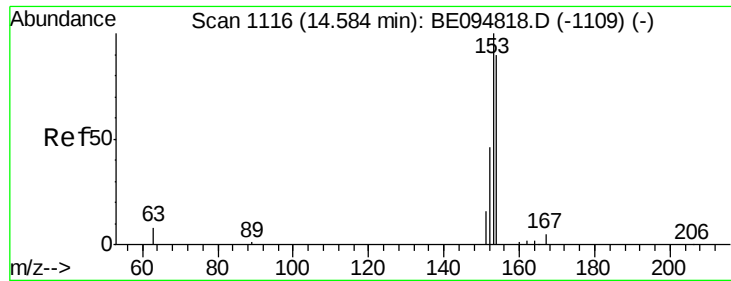
Tgt Ion:172 Resp: 1839
Ion Ratio Lower Upper
172 100
171 37.3 29.9 44.9
170 25.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.231 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.02 min
Lab File: BE094869.D
Acq: 27 Nov 2017 13:10

Tgt Ion:152 Resp: 2146
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.241 ng

RT: 14.59 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

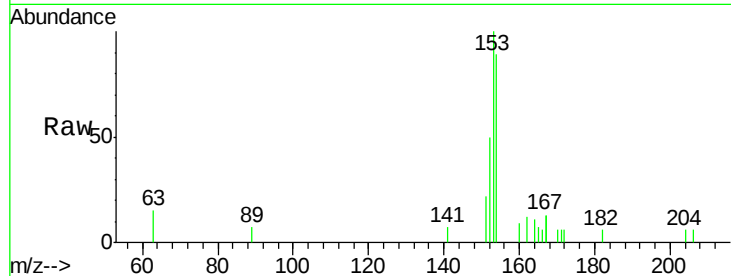
Tgt Ion:154 Resp: 1438

Ion Ratio Lower Upper

154 100

153 114.2 89.2 133.8

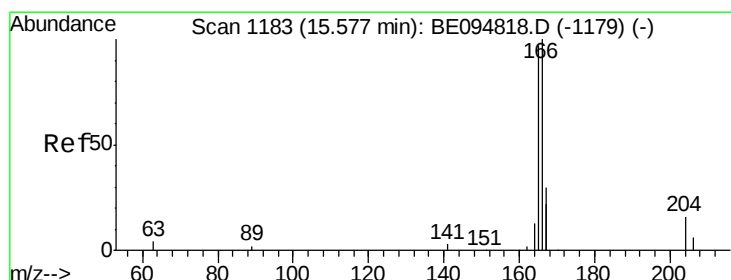
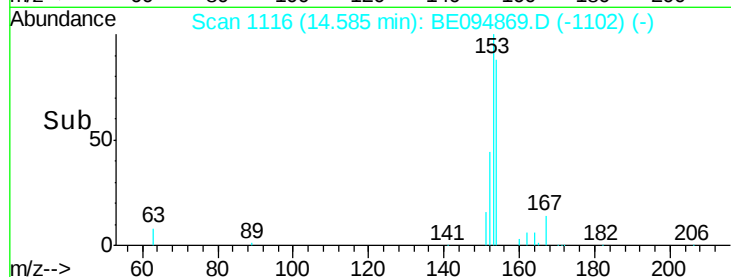
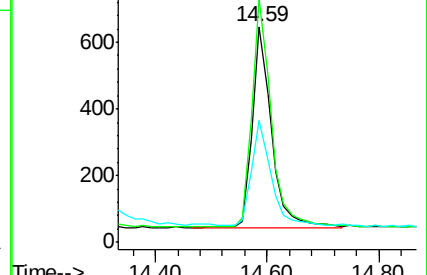
152 52.2 42.0 63.0



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: 0.251 ng

RT: 15.59 min Scan# 1184

Delta R.T. 0.03 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

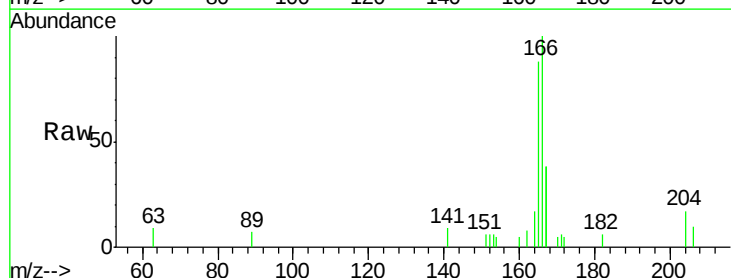
Tgt Ion:166 Resp: 1920

Ion Ratio Lower Upper

166 100

165 96.0 77.8 116.6

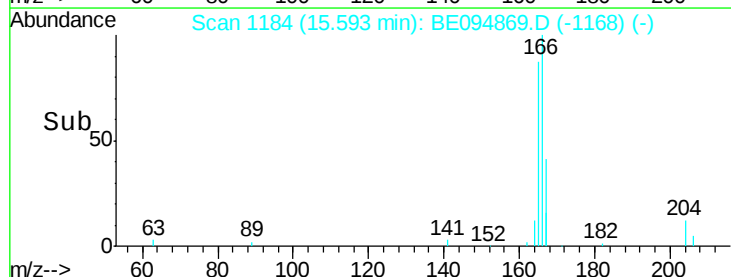
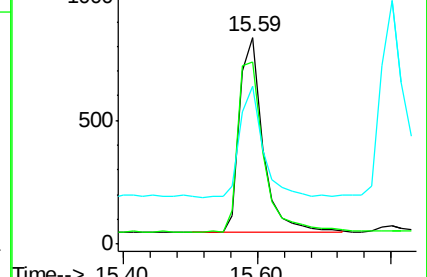
167 55.3 42.4 63.6

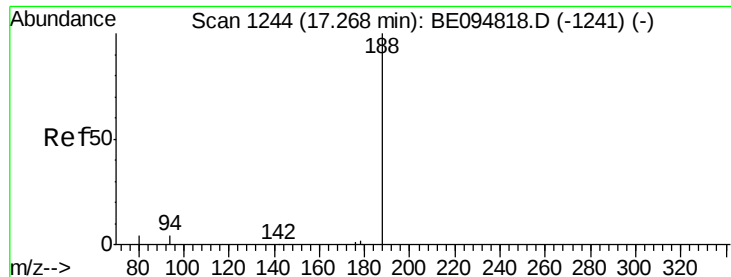


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.27 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

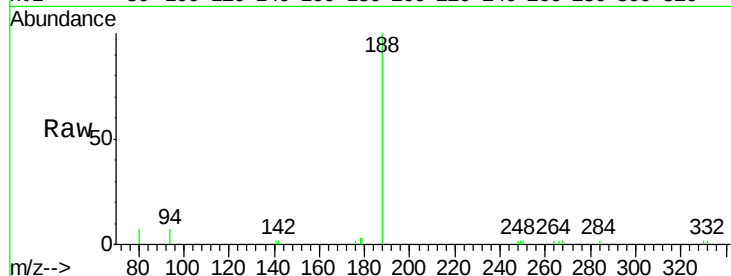
Tgt Ion:188 Resp: 4883

Ion Ratio Lower Upper

188 100

94 7.0 3.9 5.9#

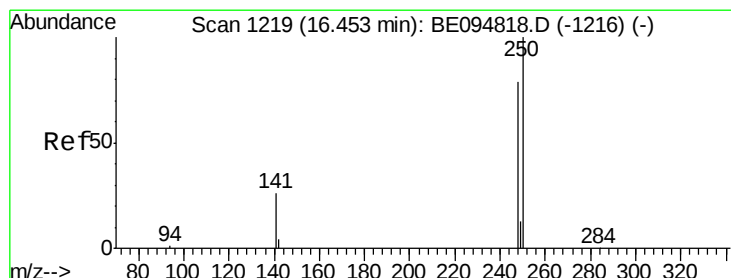
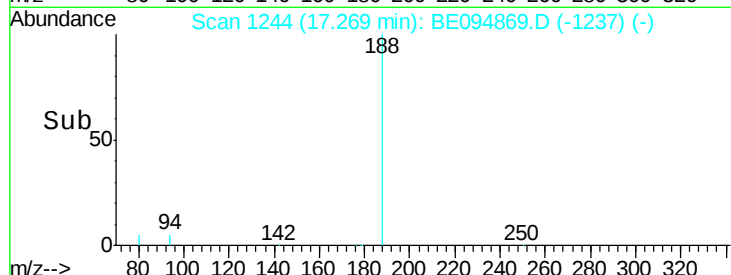
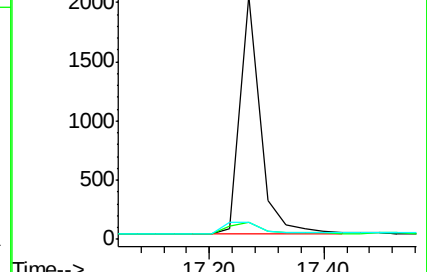
80 7.0 3.6 5.4#



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: 0.177 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.03 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

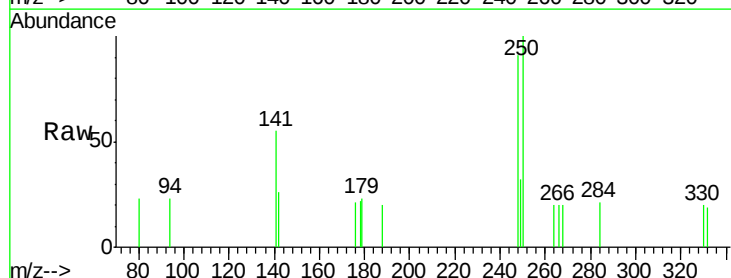
Tgt Ion:248 Resp: 471

Ion Ratio Lower Upper

248 100

250 110.4 62.7 94.1#

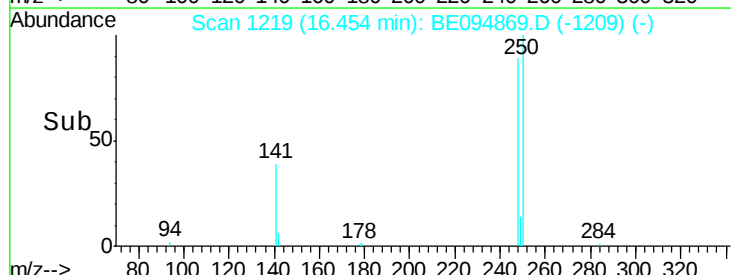
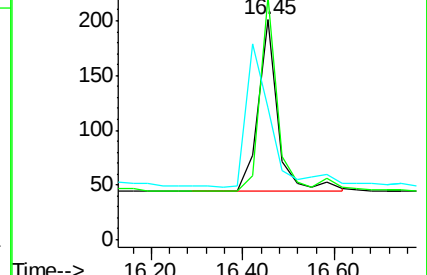
141 60.2 48.2 72.2

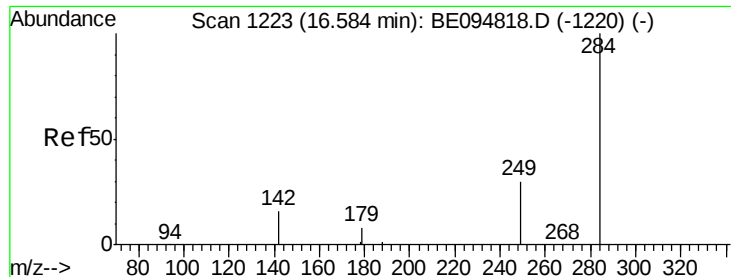


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.253 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

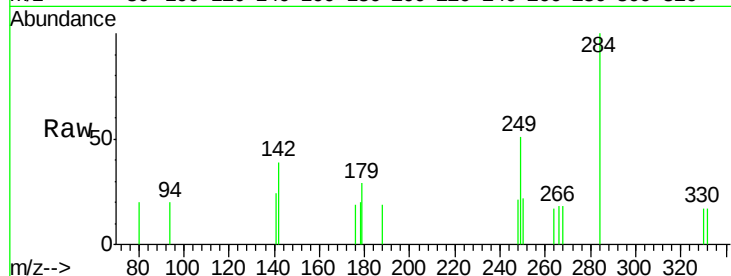
Tgt Ion:284 Resp: 591

Ion Ratio Lower Upper

284 100

142 25.9 22.1 33.1

249 34.0 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

16.58

200

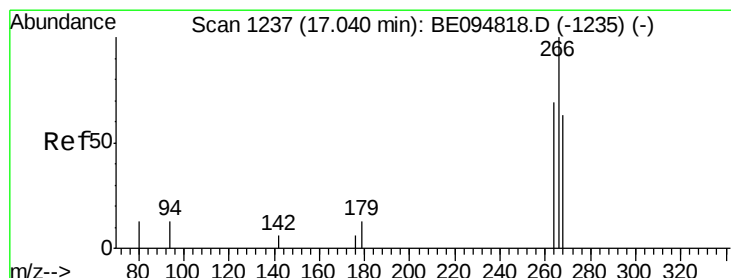
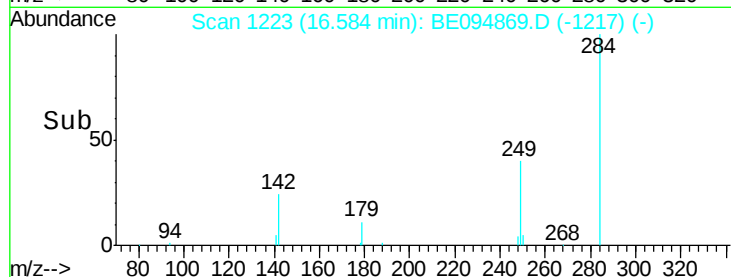
100

0

16.60

16.80

Time-->



#22

Pentachlorophenol

Concen: 0.262 ng

RT: 17.11 min Scan# 1239

Delta R.T. 0.10 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

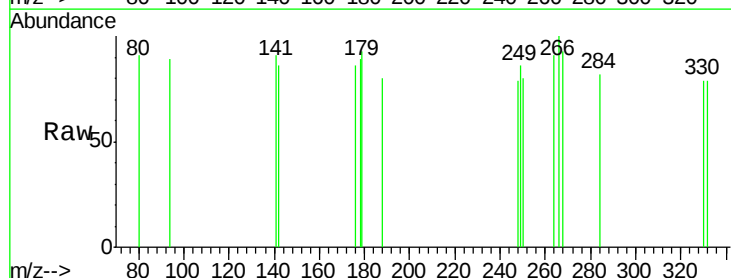
Tgt Ion:266 Resp: 78

Ion Ratio Lower Upper

266 100

264 91.1 72.5 108.7

268 92.9 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

17.11

60

40

20

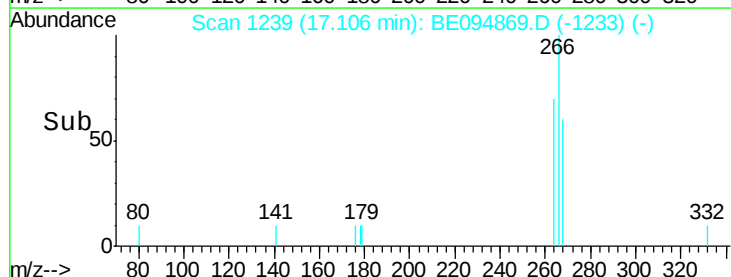
0

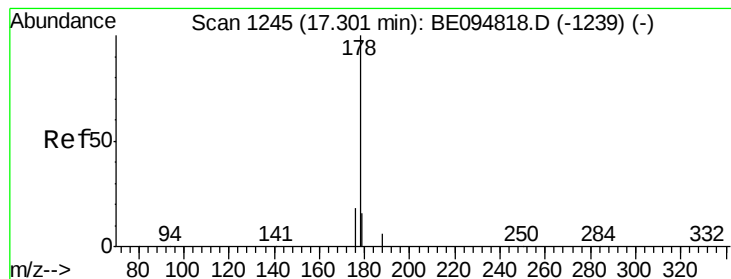
17.00

17.10

17.20

Time-->





#23

Phenanthrene

Concen: 0.263 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

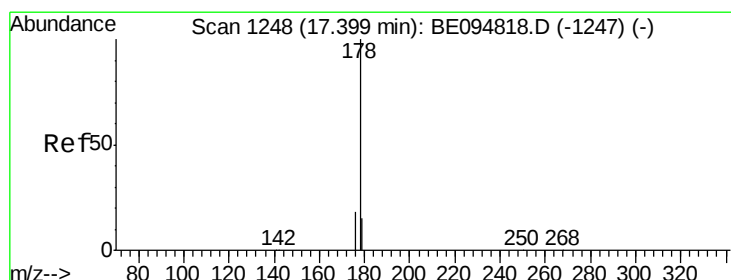
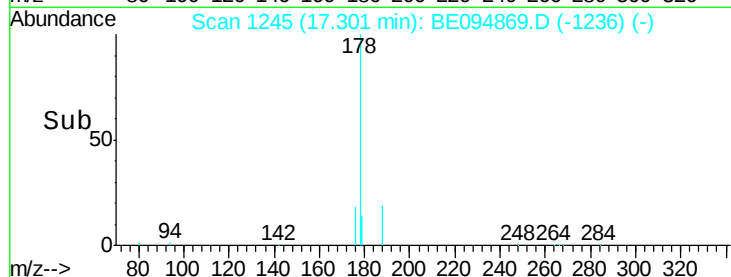
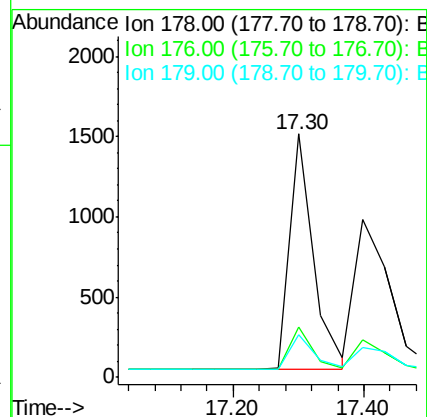
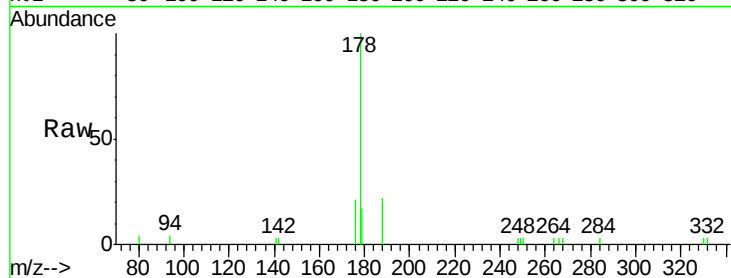
Tgt Ion:178 Resp: 3687

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

179 15.1 11.8 17.6



#24

Anthracene

Concen: 0.242 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

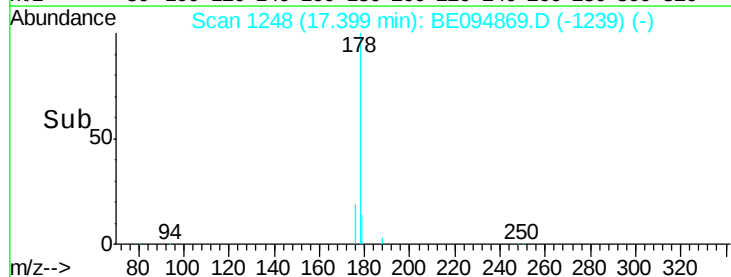
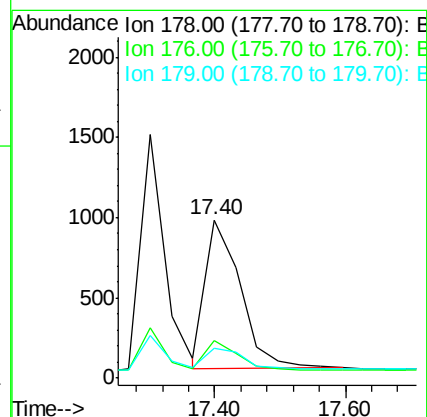
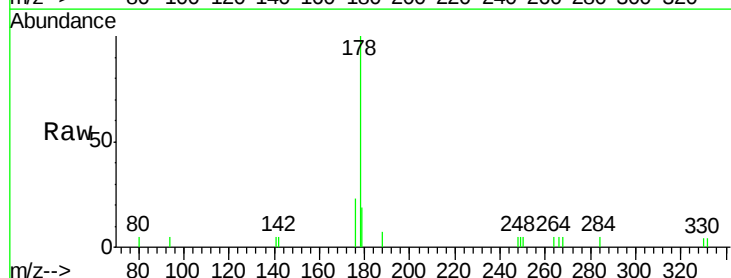
Tgt Ion:178 Resp: 3469

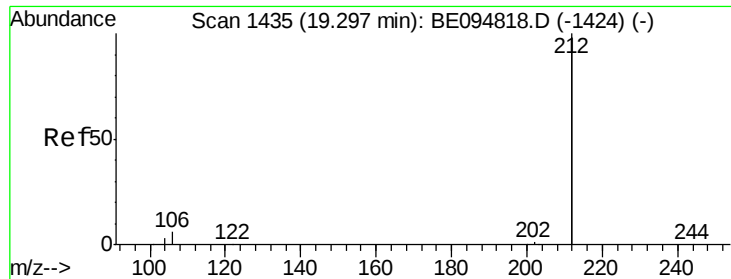
Ion Ratio Lower Upper

178 100

176 17.9 12.8 19.2

179 15.6 13.0 19.6

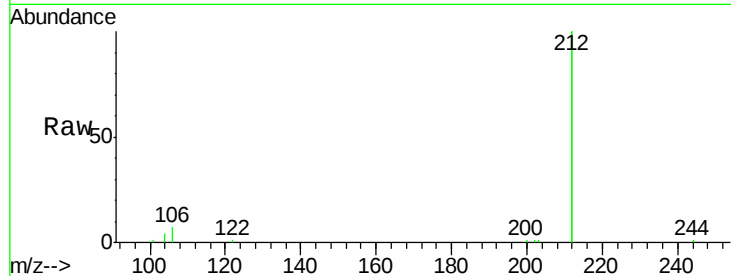




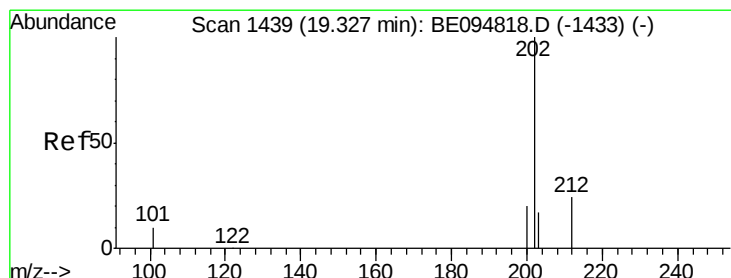
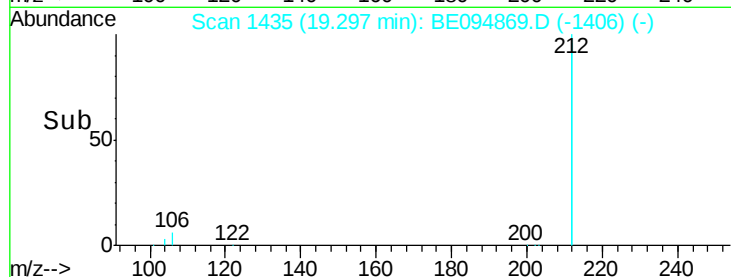
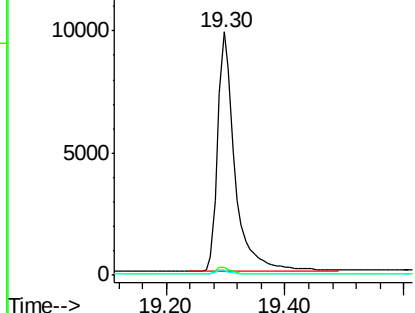
#25
 Fluoranthene-d10
 Concen: 0.306 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BE094869.D
 Acq: 27 Nov 2017 13:10

Instrument :
 BNA_E
 ClientSampleId :
 PB104402BSD

Tgt Ion: 212 Resp: 19516
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.8 4.2
 104 1.6 1.6 2.4

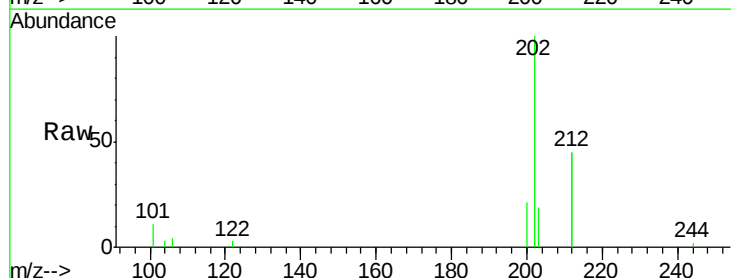


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

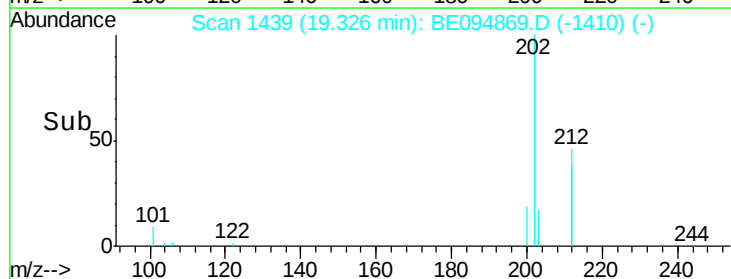
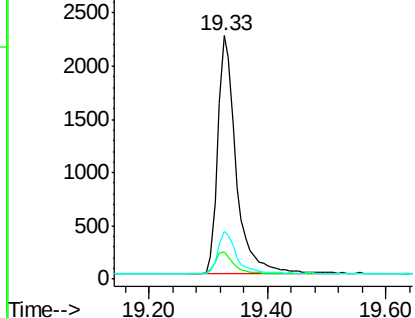


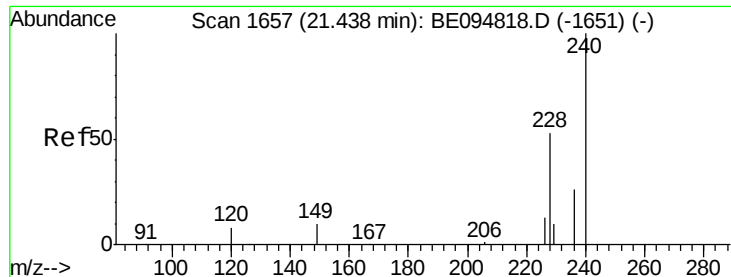
#26
 Fluoranthene
 Concen: 0.232 ng
 RT: 19.33 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BE094869.D
 Acq: 27 Nov 2017 13:10

Tgt Ion: 202 Resp: 4813
 Ion Ratio Lower Upper
 202 100
 101 9.4 9.8 14.8#
 203 17.4 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: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

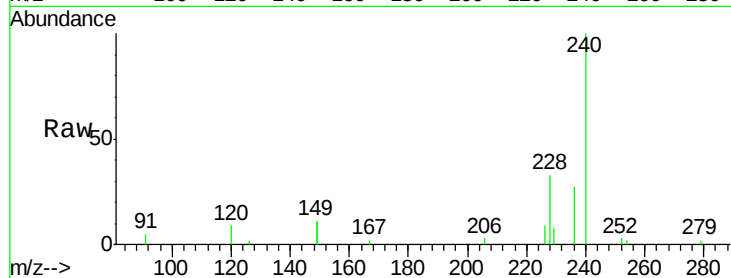
Tgt Ion:240 Resp: 6229

Ion Ratio Lower Upper

240 100

120 8.6 5.5 8.3#

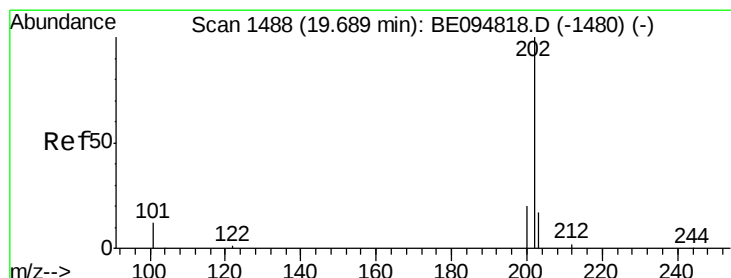
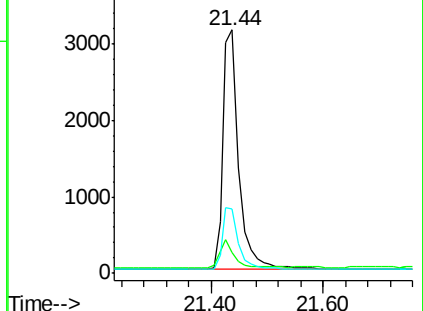
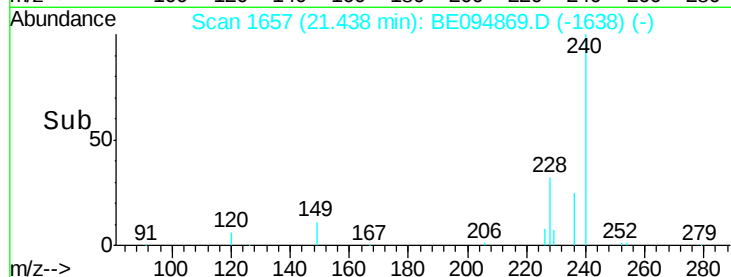
236 26.7 20.7 31.1



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: 0.231 ng

RT: 19.69 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

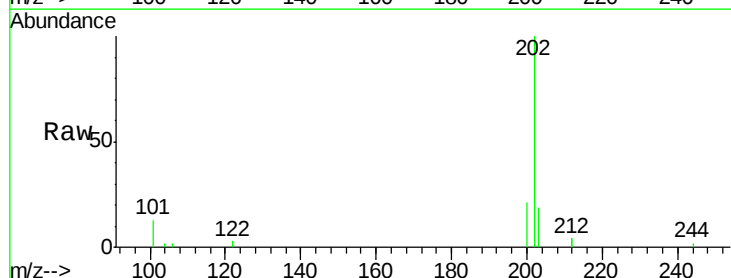
Tgt Ion:202 Resp: 5029

Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

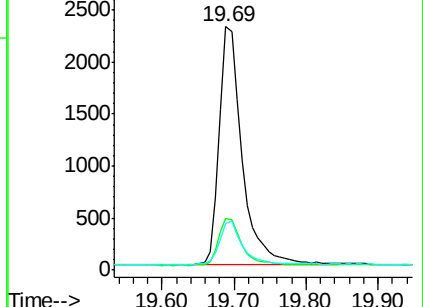
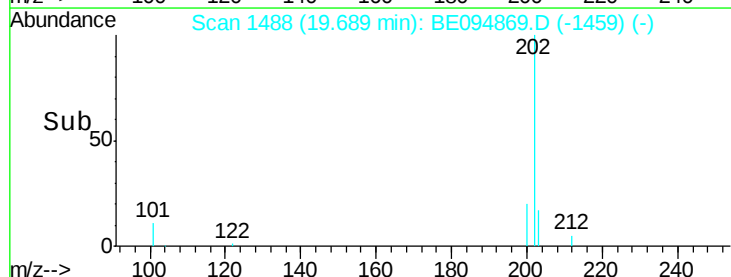
203 18.8 13.8 20.8

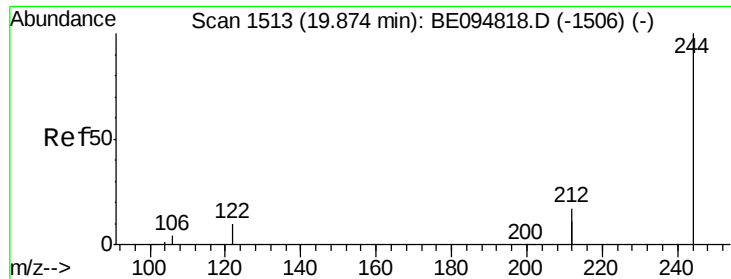


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.283 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

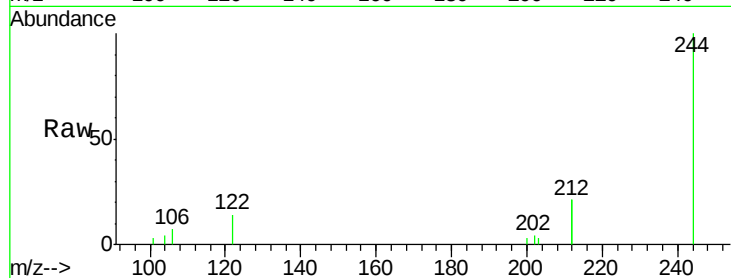
Tgt Ion:244 Resp: 3324

Ion Ratio Lower Upper

244 100

212 41.0 25.4 38.0#

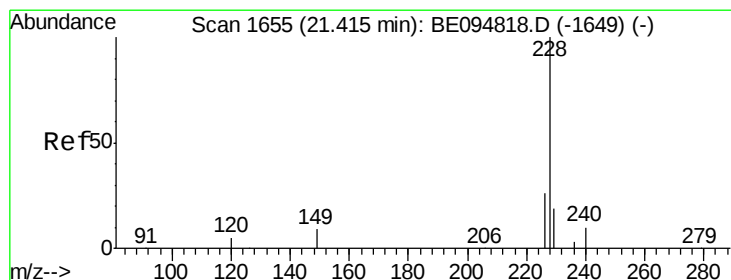
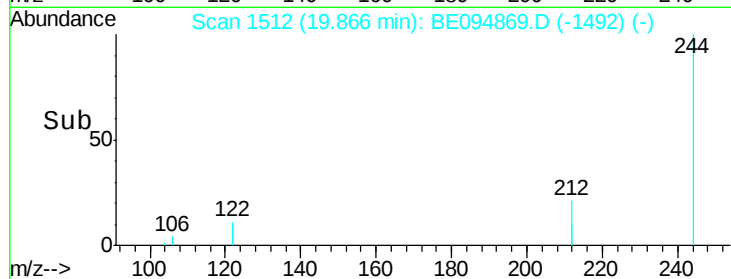
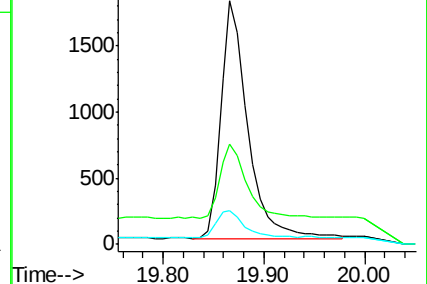
122 13.7 8.1 12.1#



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: 0.259 ng

RT: 21.42 min Scan# 1655

Delta R.T. 0.01 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

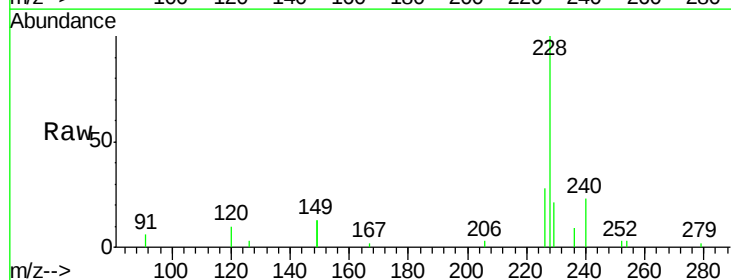
Tgt Ion:228 Resp: 5262

Ion Ratio Lower Upper

228 100

226 27.5 40.0 60.0#

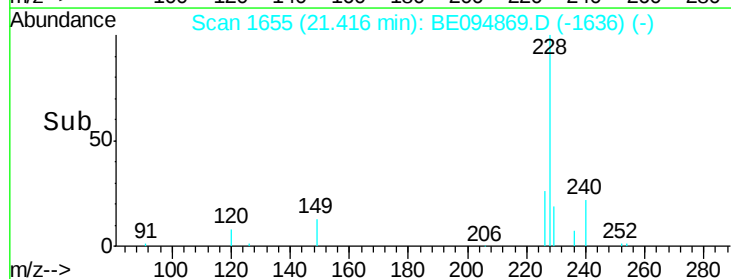
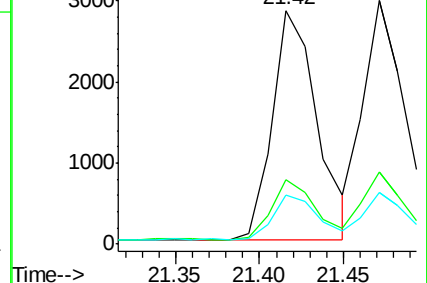
229 20.9 40.0 60.0#

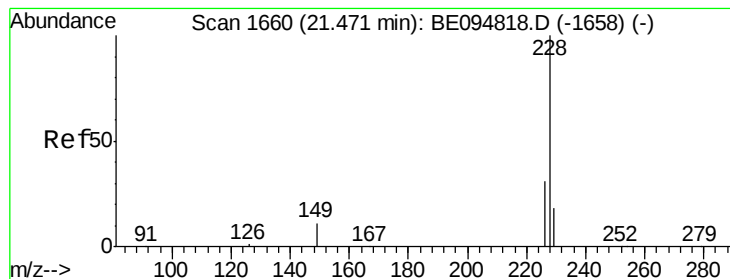


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.268 ng

RT: 21.47 min Scan# 1660

Delta R.T. 0.01 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

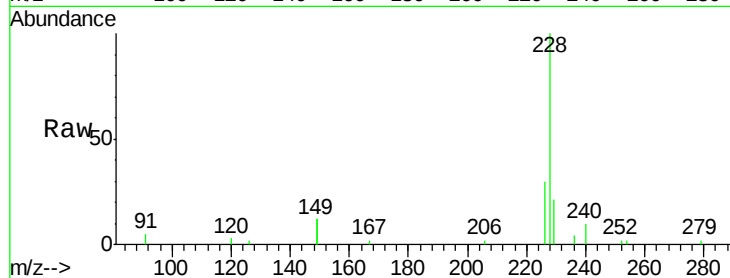
Tgt Ion:228 Resp: 5511

Ion Ratio Lower Upper

228 100

226 29.7 40.0 60.0#

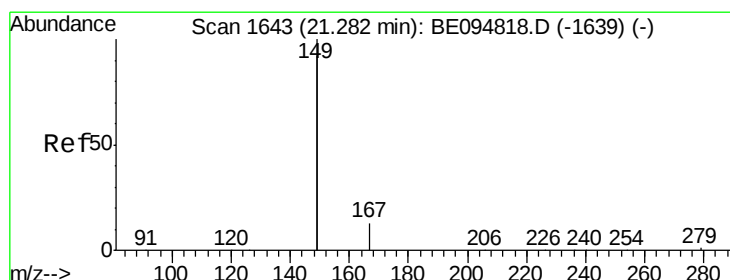
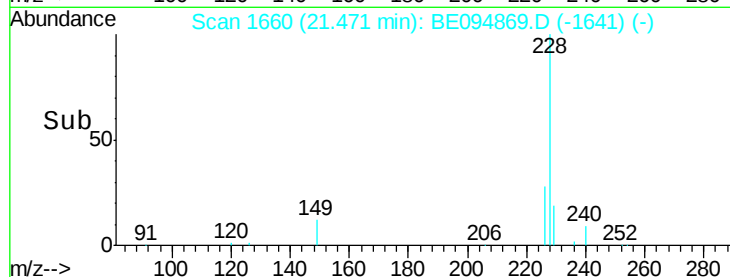
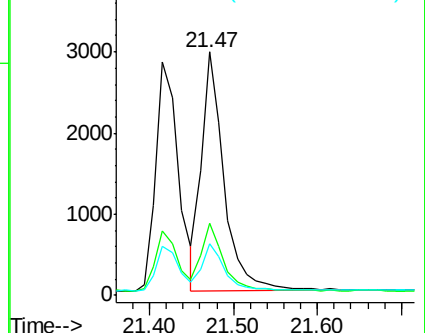
229 21.0 40.0 60.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.200 ng

RT: 21.27 min Scan# 1642

Delta R.T. -0.02 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

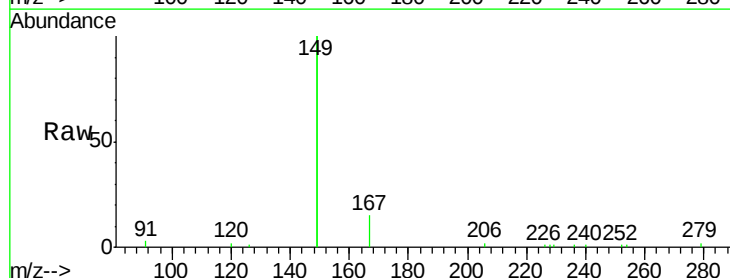
Tgt Ion:149 Resp: 9954

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

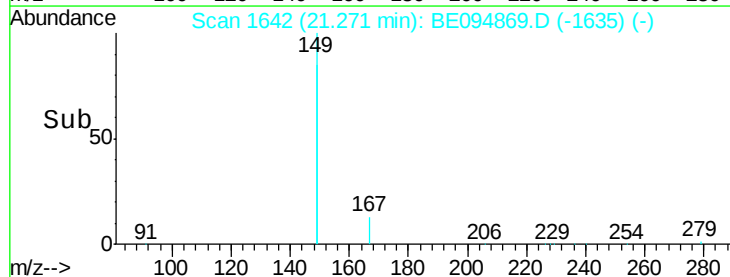
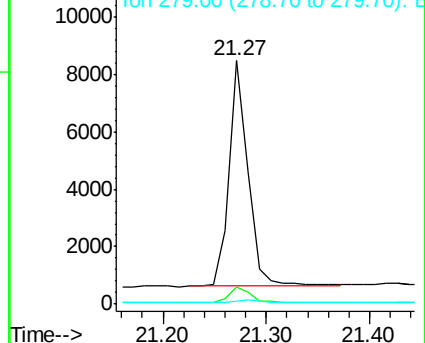
279 1.2 0.7 1.1#

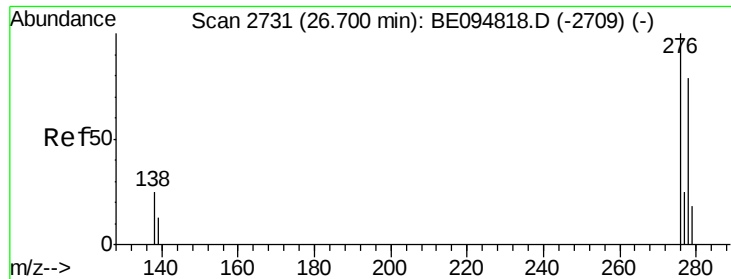


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.280 ng

RT: 26.70 min Scan# 2731

Delta R.T. 0.07 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

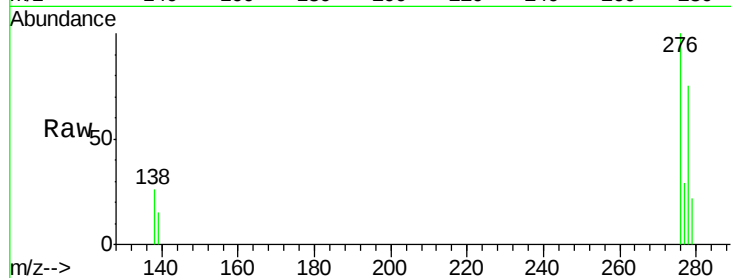
Tgt Ion:276 Resp: 5334

Ion Ratio Lower Upper

276 100

138 23.2 22.5 33.7

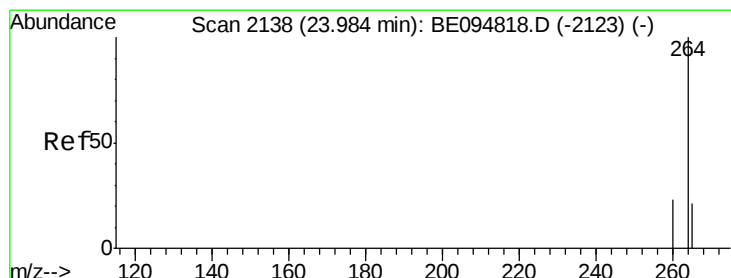
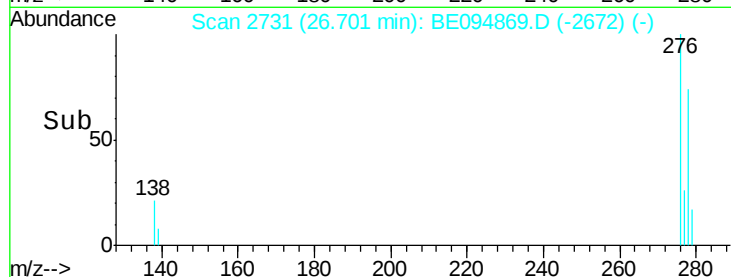
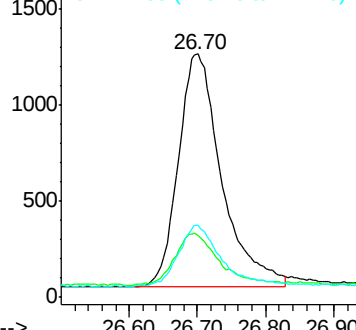
277 25.9 19.9 29.9



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: 23.98 min Scan# 2136

Delta R.T. 0.02 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

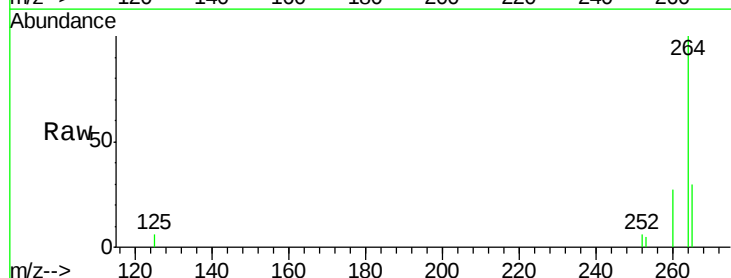
Tgt Ion:264 Resp: 5850

Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

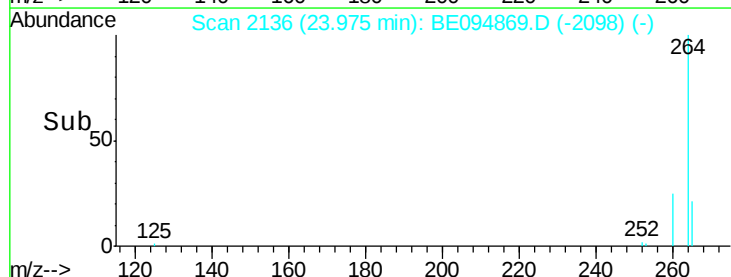
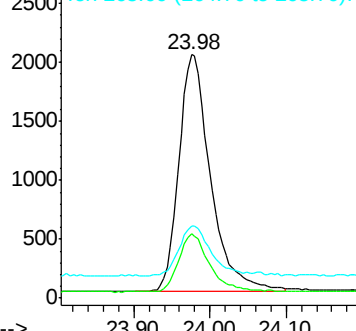
265 29.7 22.8 34.2

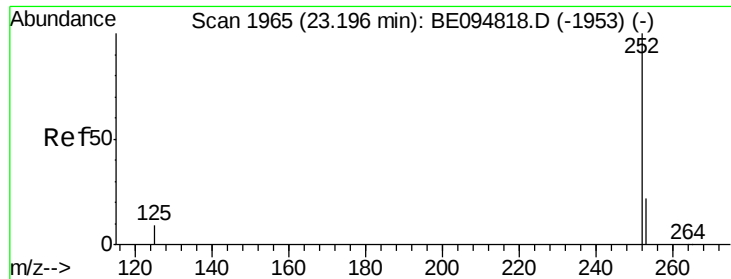


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.257 ng

RT: 23.20 min Scan# 1965

Delta R.T. 0.02 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

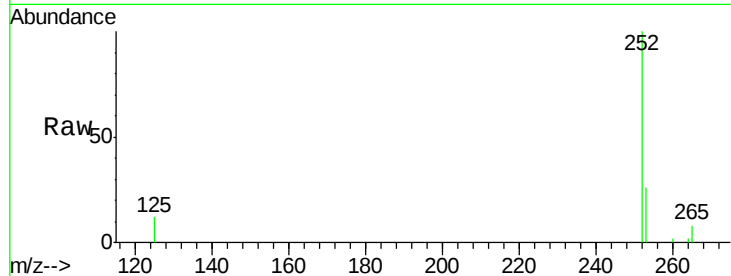
Tgt Ion:252 Resp: 4857

Ion Ratio Lower Upper

252 100

253 25.5 48.0 72.0#

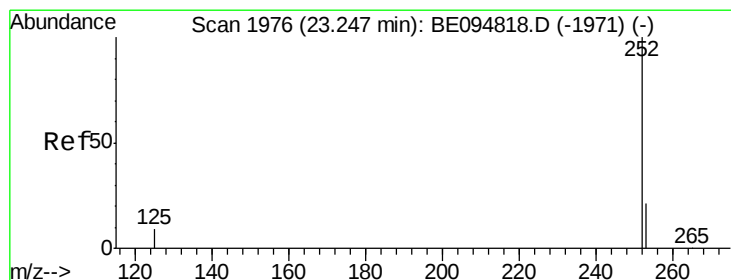
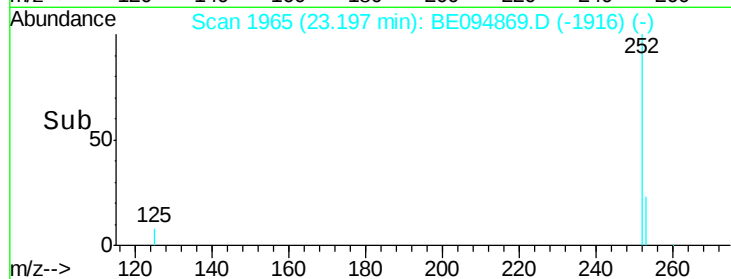
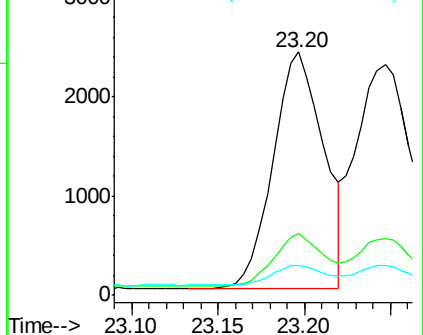
125 12.3 56.0 84.0#



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: 0.280 ng

RT: 23.25 min Scan# 1976

Delta R.T. 0.03 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

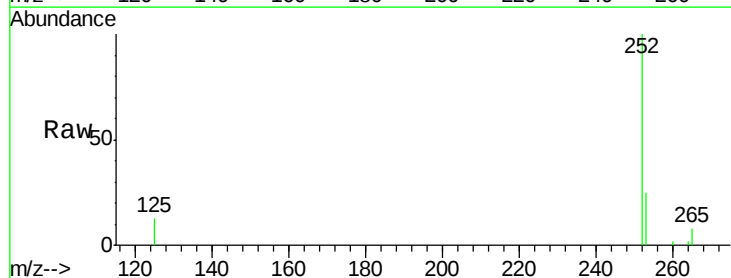
Tgt Ion:252 Resp: 5637

Ion Ratio Lower Upper

252 100

253 24.5 48.0 72.0#

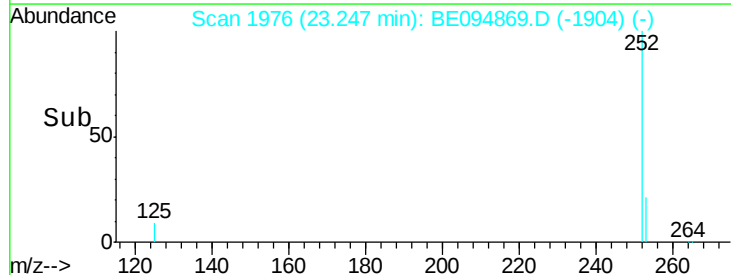
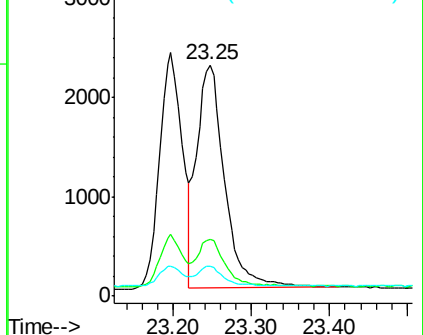
125 12.8 56.0 84.0#

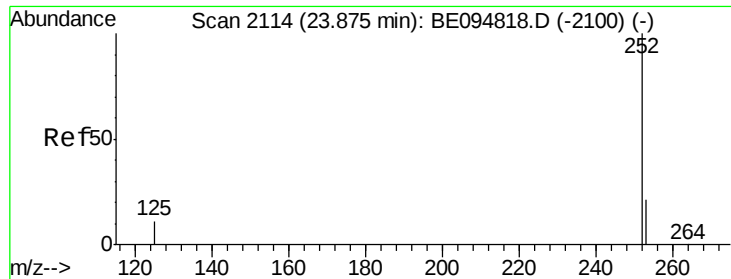


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.274 ng

RT: 23.87 min Scan# 2113

Delta R.T. 0.03 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

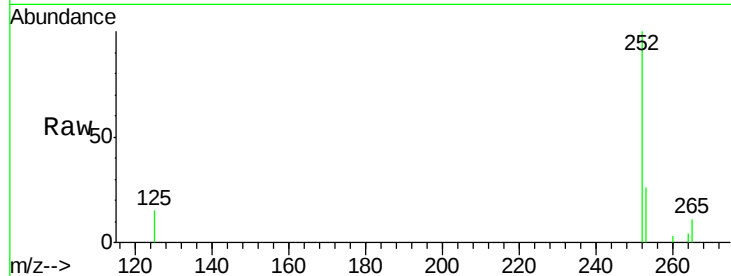
Tgt Ion: 252 Resp: 5028

Ion Ratio Lower Upper

252 100

253 25.9 52.0 78.0#

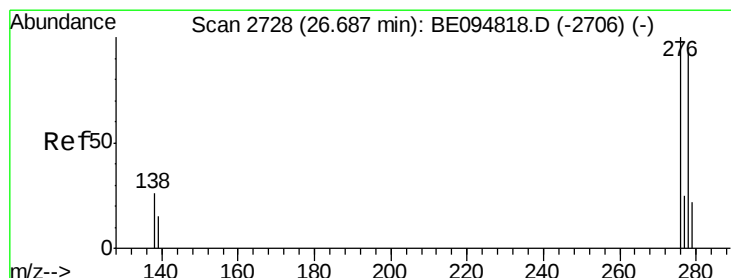
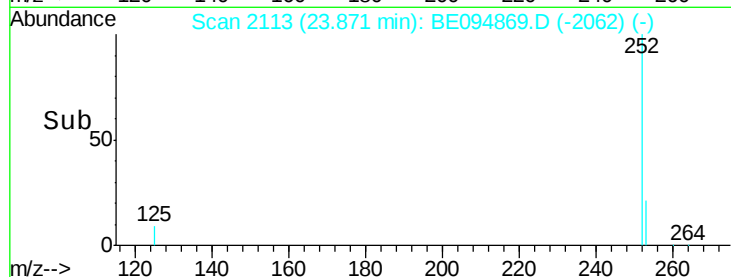
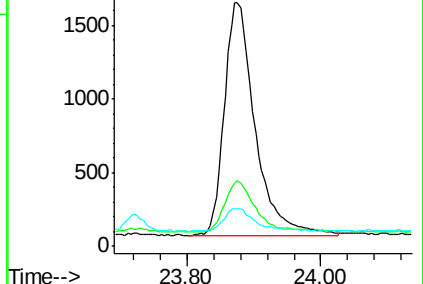
125 15.4 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.275 ng

RT: 26.68 min Scan# 2727

Delta R.T. 0.04 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

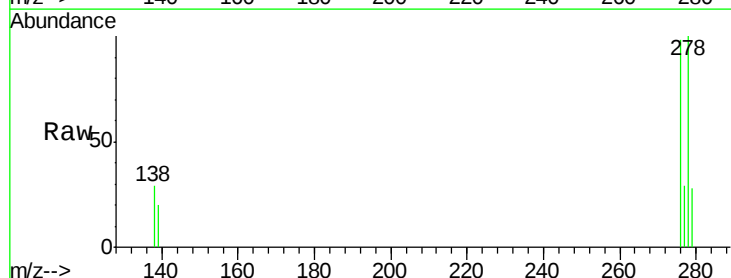
Tgt Ion: 278 Resp: 4529

Ion Ratio Lower Upper

278 100

139 20.1 56.0 84.0#

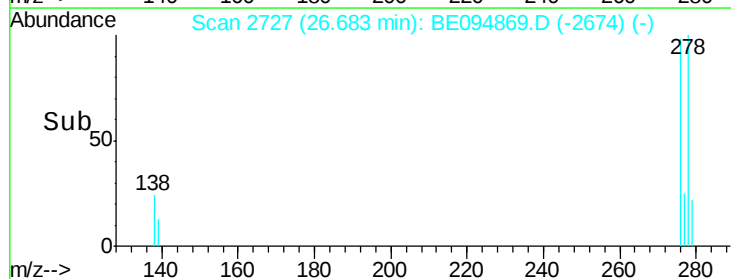
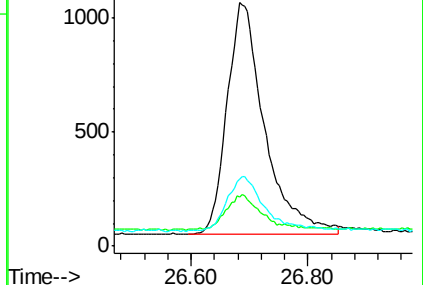
279 27.7 52.0 78.0#

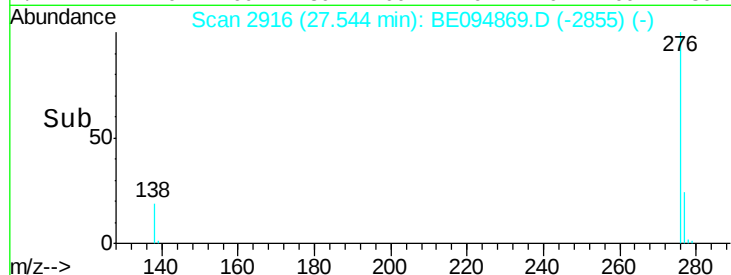
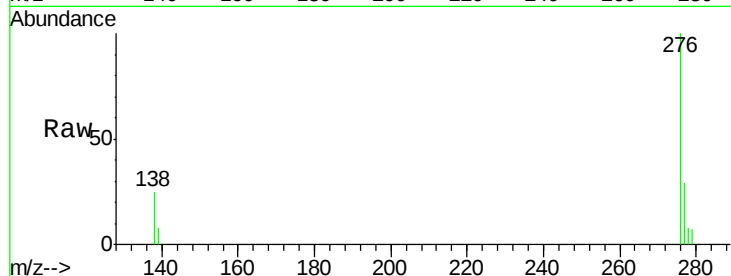
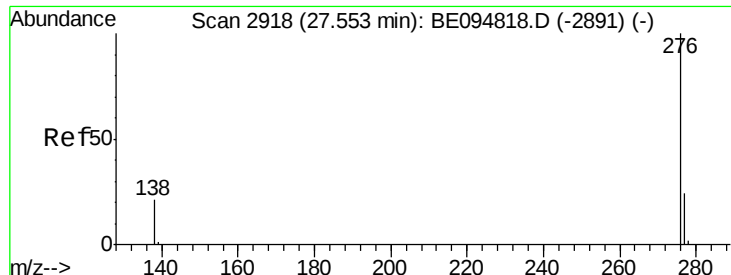


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.297 ng

RT: 27.54 min Scan# 2916

Delta R.T. 0.08 min

Lab File: BE094869.D

Acq: 27 Nov 2017 13:10

Instrument :

BNA_E

ClientSampleId :

PB104402BSD

Tgt Ion: 276 Resp: 4583

Ion Ratio Lower Upper

276 100

277 28.8 52.0 78.0#

138 24.8 44.0 66.0#

