

Data File : BE092916.D
Acq On : 27 Apr 2017 16:03
Operator : SJ/MA
Sample : PB98517BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB98517BSD

Quant Time: Apr 28 04:05:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 20 17:35:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	833	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3250	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1312	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3128	0.40	ng	0.00
26) Chrysene-d12	21.28	240	2691	0.40	ng	0.00
33) Perylene-d12	23.69	264	2430	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	571	0.31	ng	0.00
5) Phenol-d6	6.94	99	774	0.31	ng	0.00
8) Nitrobenzene-d5	8.90	82	654	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1884	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	51	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	1914	0.32	ng	0.00
24) Fluoranthene-d10	19.15	212	2156	0.29	ng	0.00
28) Terphenyl-d14	19.74	244	1438	0.31	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.32	88	323	0.20	ng	# 88
3) n-Nitrosodimethylamine	3.61	42	378	0.31	ng	# 82
6) bis(2-Chloroethyl)ether	7.20	93	952	0.31	ng	97
9) Naphthalene	10.58	128	2637	0.30	ng	# 87
10) Hexachlorobutadiene	10.89	225	368	0.31	ng	95
12) 2-Methylnaphthalene	12.19	142	1617	0.30	ng	95
16) Acenaphthylene	14.10	152	6228	0.30	ng	99
17) Acenaphthene	14.45	154	1292	0.31	ng	95
18) Fluorene	15.44	166	1500	0.30	ng	98
20) Hexachlorobenzene	16.47	284	391	0.28	ng	# 100
21) Pentachlorophenol	16.79	266	101	0.45	ng	86
22) Phenanthrene	17.18	178	2674	0.29	ng	98
23) Anthracene	17.27	178	1931	0.28	ng	99
25) Fluoranthene	19.17	202	10005	0.26	ng	# 100
27) Pyrene	19.53	202	10446	0.30	ng	# 99
29) Benzo(a)anthracene	21.25	228	2027	0.32	ng	# 90
30) Chrysene	21.25	228	2027	0.25	ng	90
31) Bis(2-ethylhexyl)phthalate	21.20	149	472	0.29	ng	# 97
32) Indeno(1,2,3-cd)pyrene	26.22	276	11365	0.43	ng	99
34) Benzo(b)fluoranthene	22.95	252	2290	0.27	ng	# 86
35) Benzo(k)fluoranthene	22.99	252	2389	0.28	ng	# 84
36) Benzo(a)pyrene	23.58	252	2209	0.32	ng	# 78
37) Dibenzo(a,h)anthracene	26.25	278	2389	0.31	ng	# 80
38) Benzo(g,h,i)perylene	26.99	276	9747	0.29	ng	# 84

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

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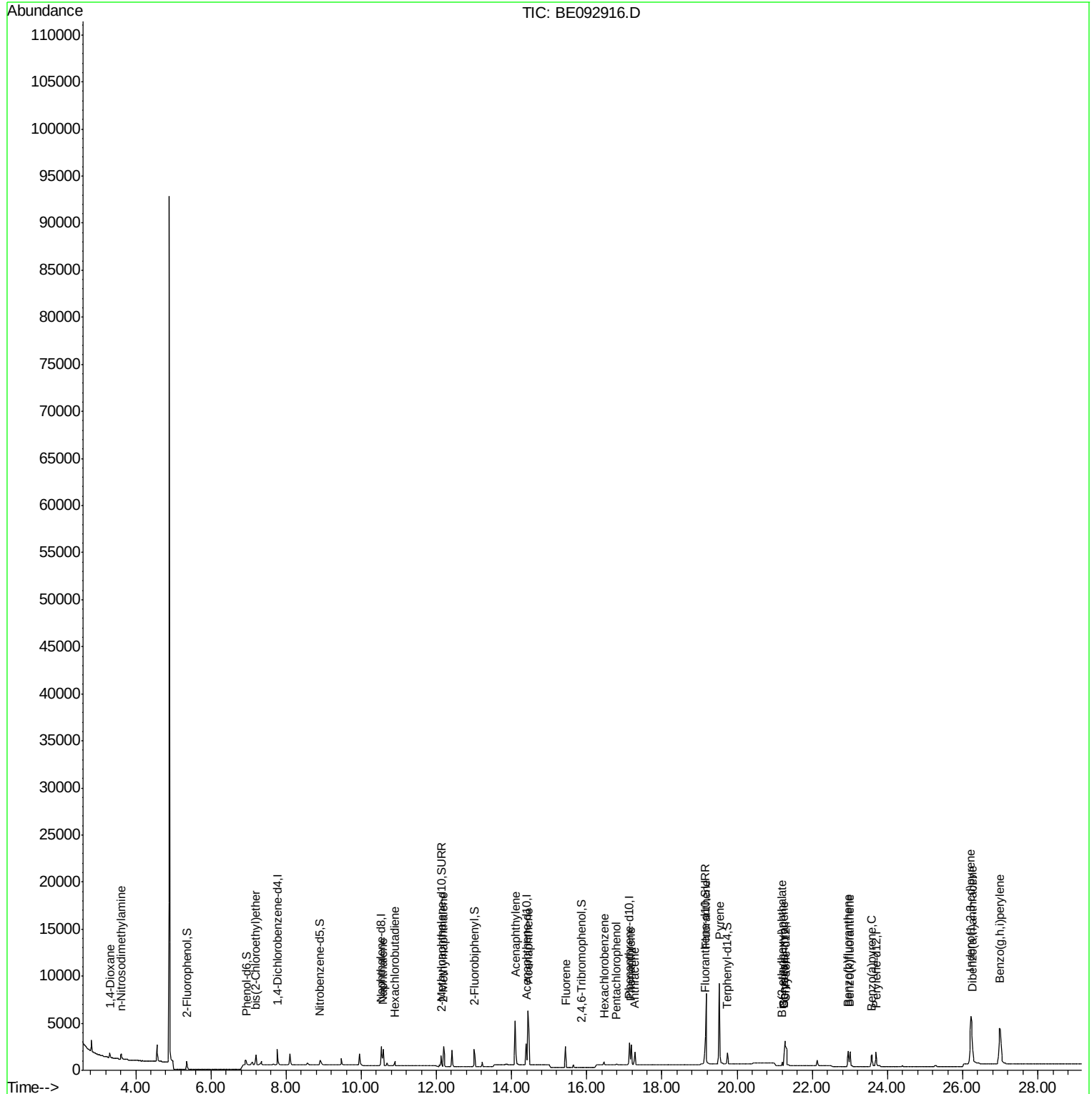
Quant Time: Apr 28 04:05:13 2017

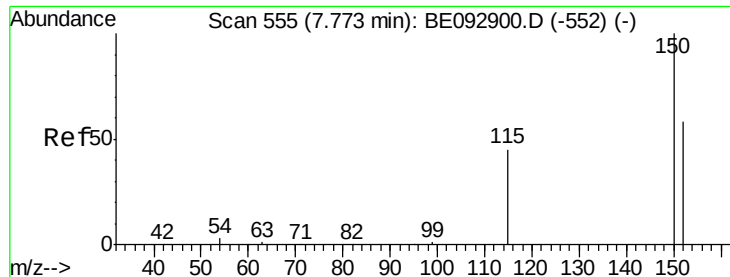
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Apr 20 17:35:10 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD

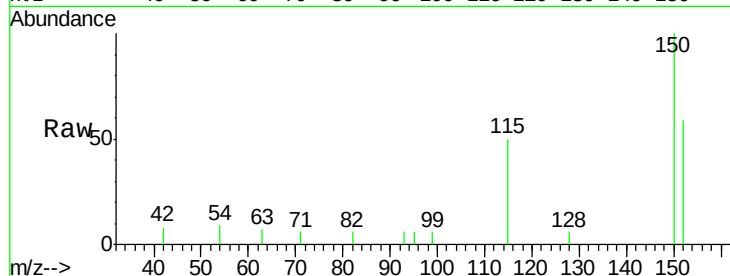
Tgt Ion:152 Resp: 833

Ion Ratio Lower Upper

152 100

150 169.9 129.9 194.9

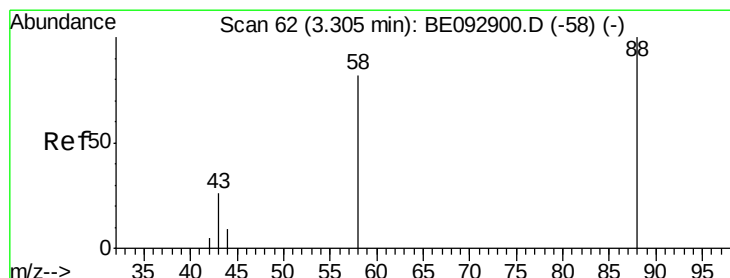
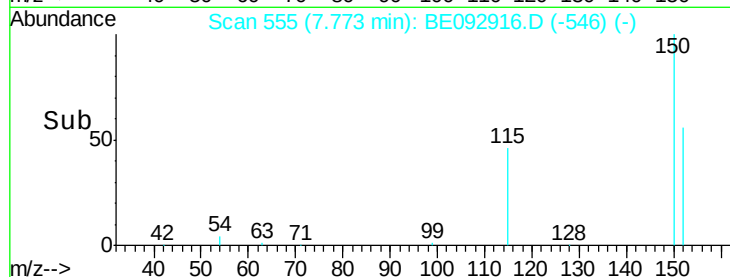
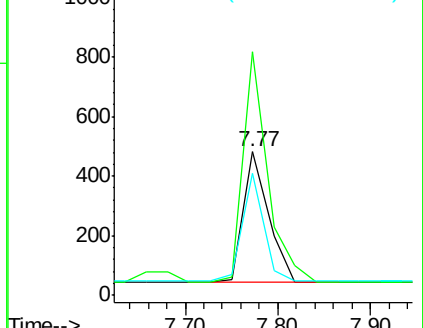
115 84.8 62.6 93.8



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: 0.20 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

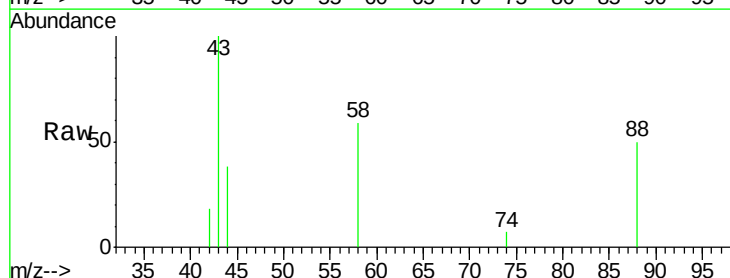
Tgt Ion: 88 Resp: 323

Ion Ratio Lower Upper

88 100

58 84.5 64.9 97.3

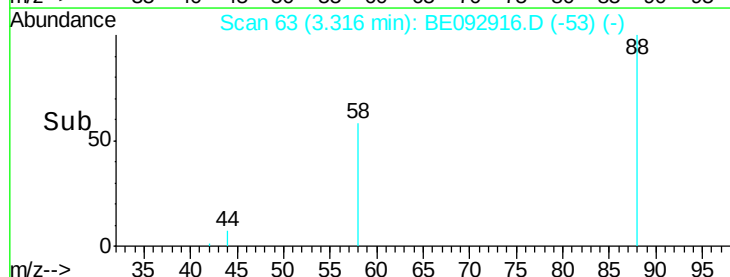
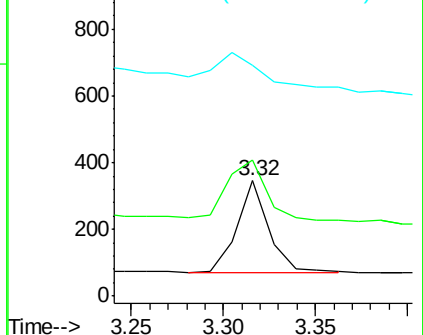
43 51.7 26.6 40.0#

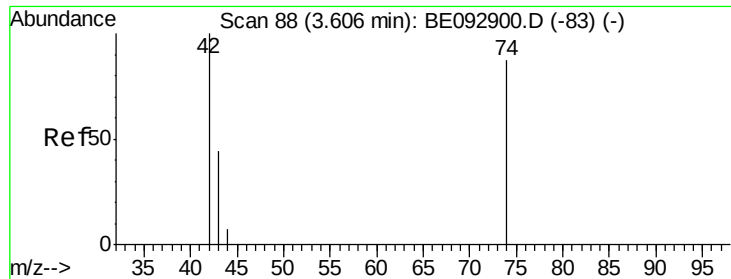


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.31 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

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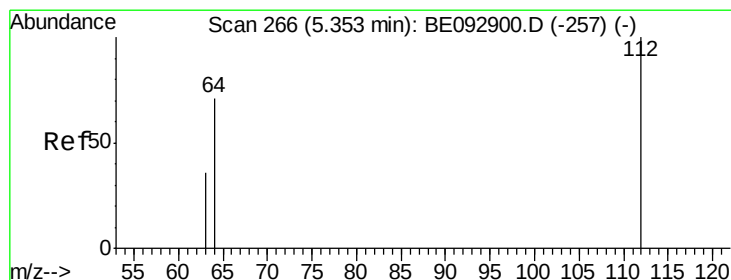
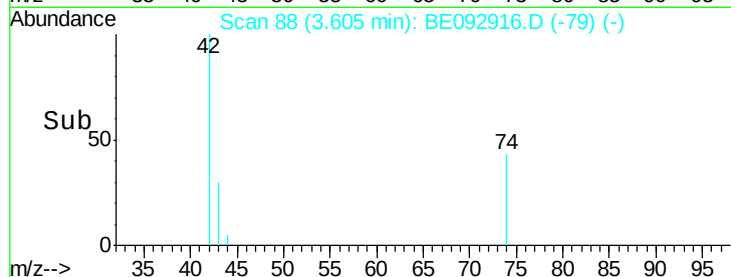
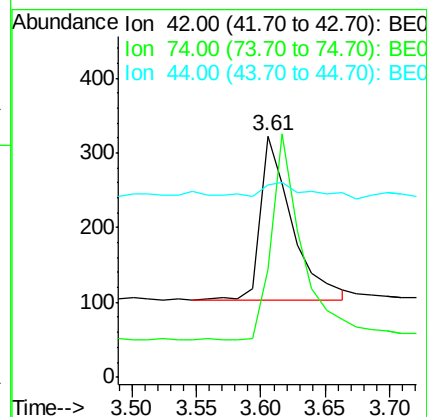
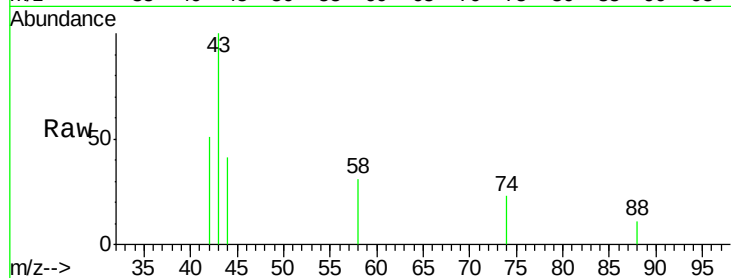
Tgt Ion: 42 Resp: 378

Ion Ratio Lower Upper

42 100

74 119.6 106.6 160.0

44 8.5 25.7 38.5#



#4

2-Fluorophenol

Concen: 0.31 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

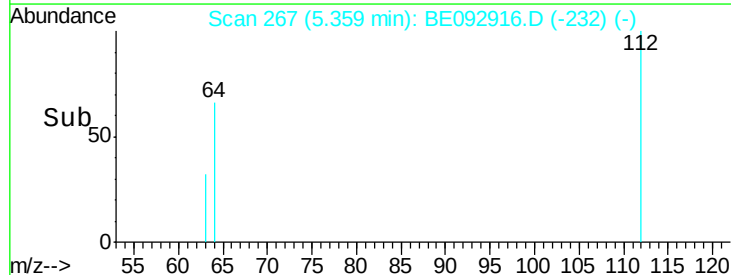
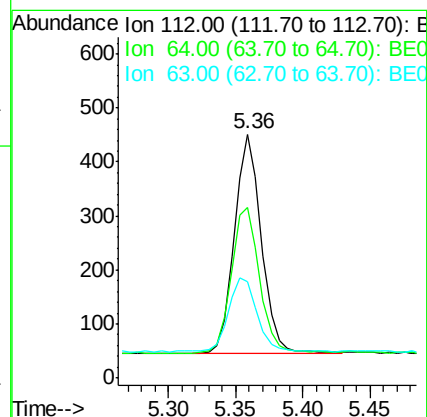
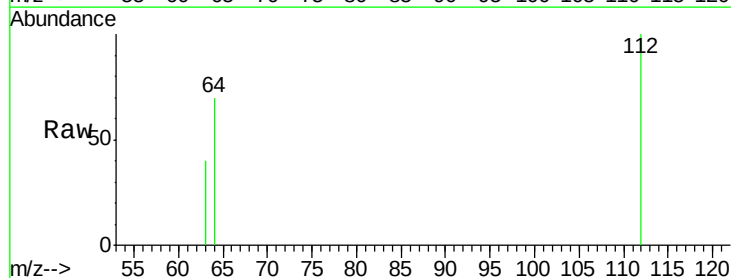
Tgt Ion: 112 Resp: 571

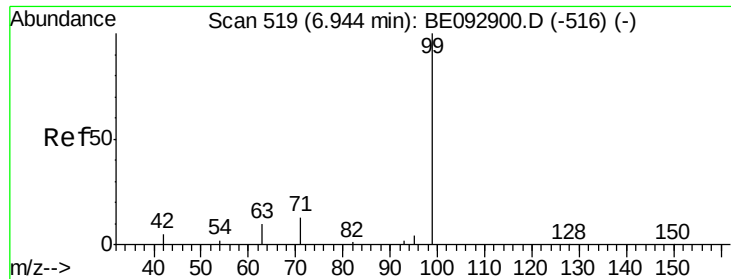
Ion Ratio Lower Upper

112 100

64 69.5 52.6 79.0

63 36.4 29.0 43.4





#5

Phenol-d6

Concen: 0.31 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD

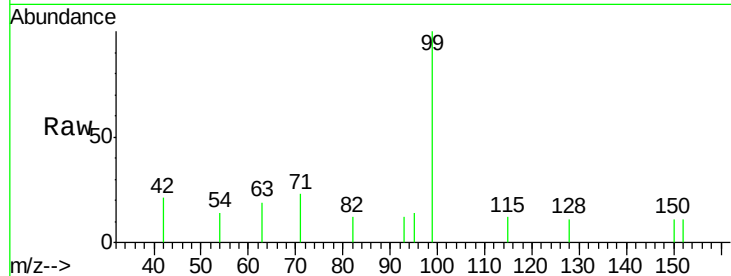
Tgt Ion: 99 Resp: 774

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

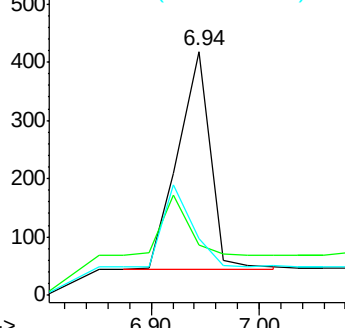
71 0.0 0.0 0.0



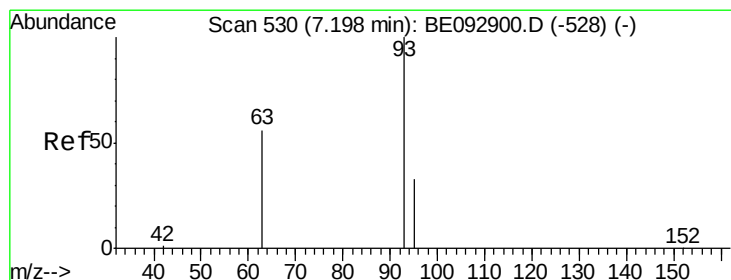
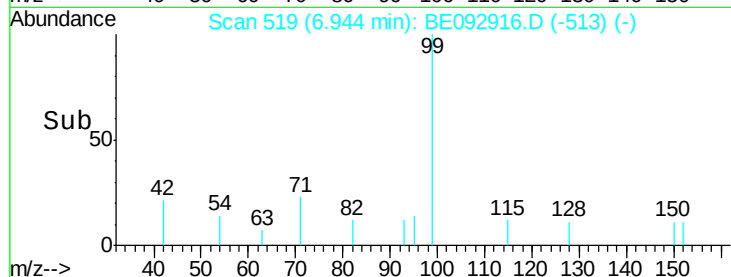
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.31 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

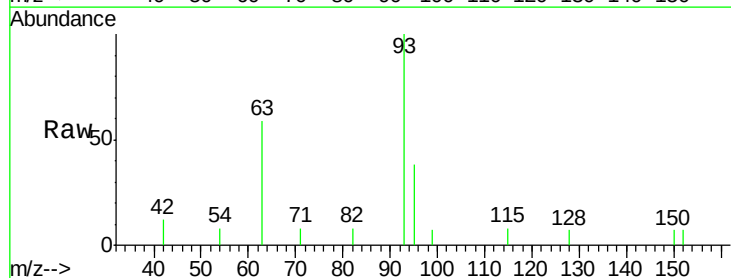
Tgt Ion: 93 Resp: 952

Ion Ratio Lower Upper

93 100

63 73.9 61.2 91.8

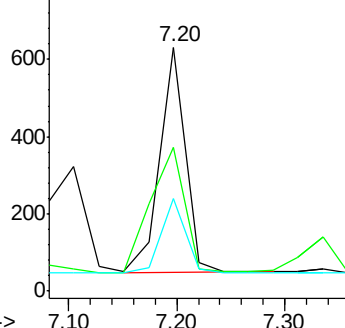
95 33.0 25.5 38.3



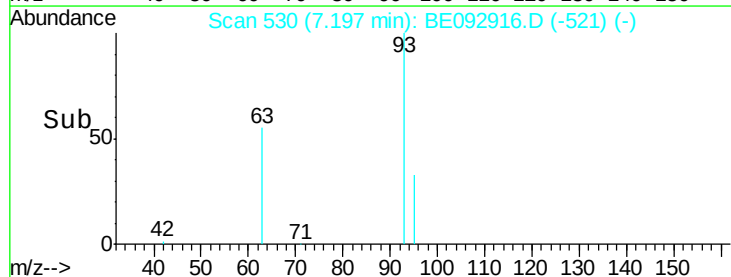
Abundance Ion 93.00 (92.70 to 93.70): BE0

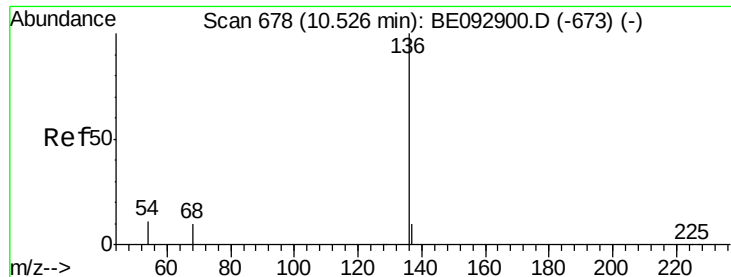
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 3250

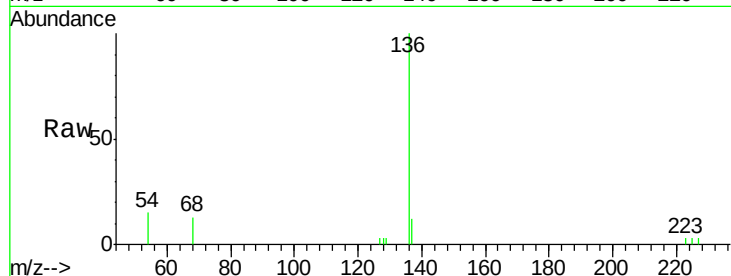
Ion Ratio Lower Upper

136 100

137 12.3 10.4 15.6

54 15.0 12.6 18.8

68 13.0 10.7 16.1

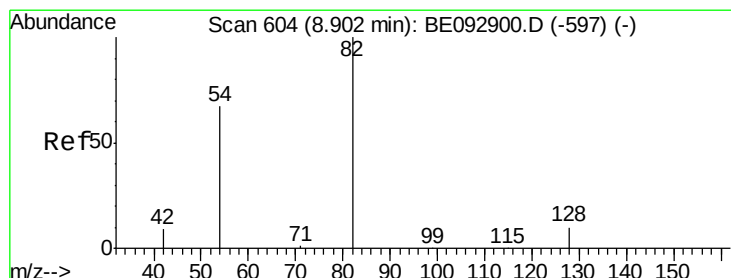
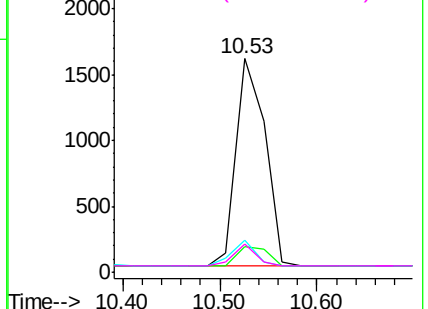
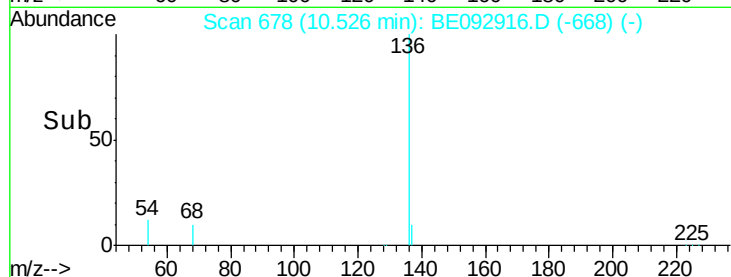


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.30 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

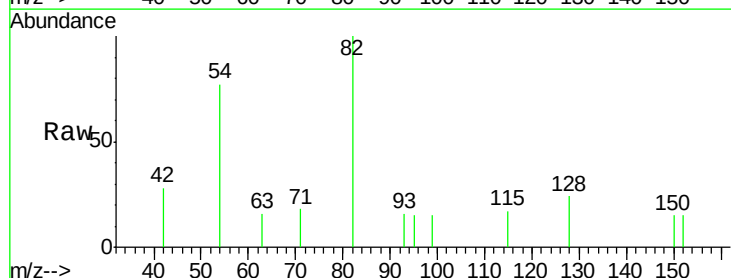
Tgt Ion: 82 Resp: 654

Ion Ratio Lower Upper

82 100

128 24.2 35.3 52.9#

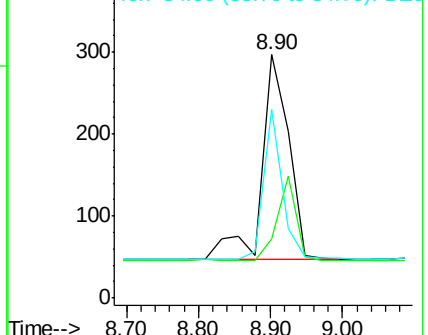
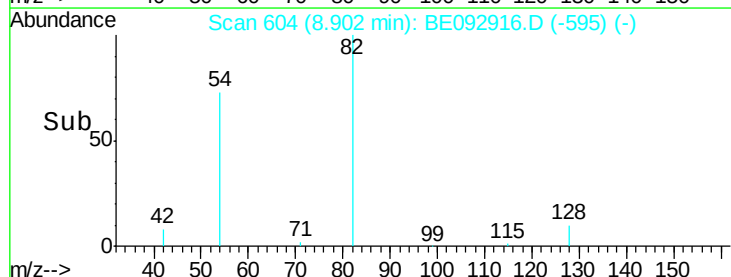
54 77.4 65.1 97.7

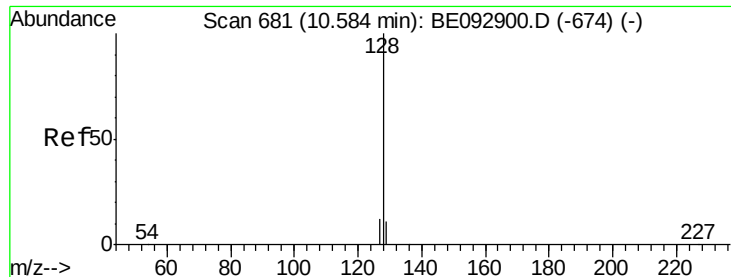


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.30 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

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ClientSampleId :

PB98517BSD

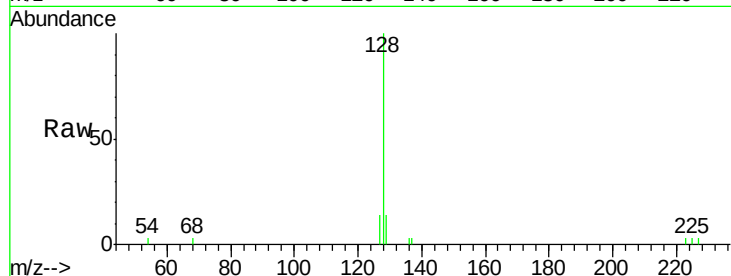
Tgt Ion:128 Resp: 2637

Ion Ratio Lower Upper

128 100

129 14.0 15.8 23.8#

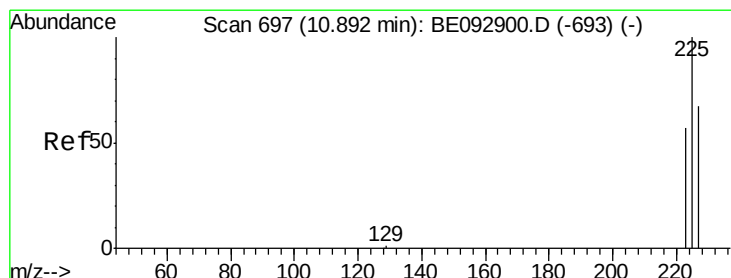
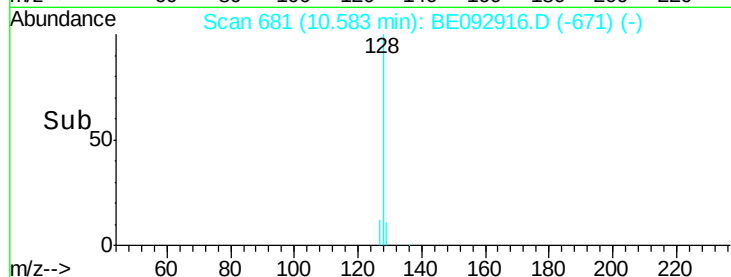
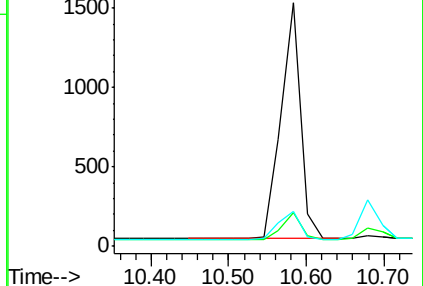
127 14.3 16.0 24.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.31 ng

RT: 10.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

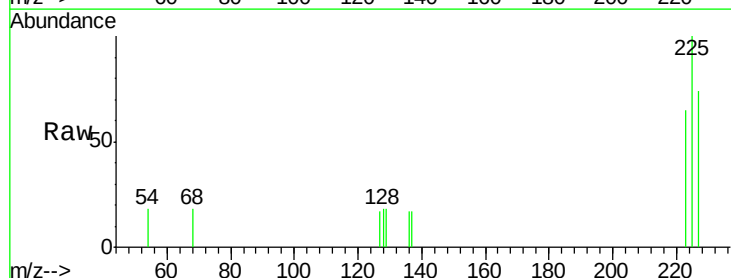
Tgt Ion:225 Resp: 368

Ion Ratio Lower Upper

225 100

223 63.6 55.4 83.2

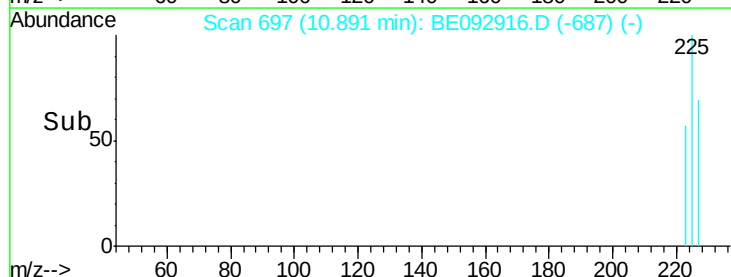
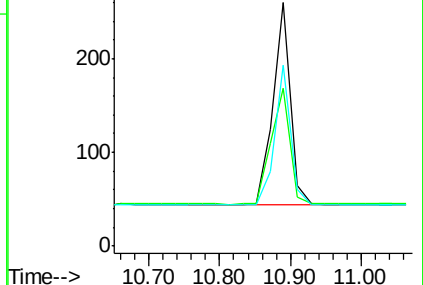
227 63.3 52.2 78.4

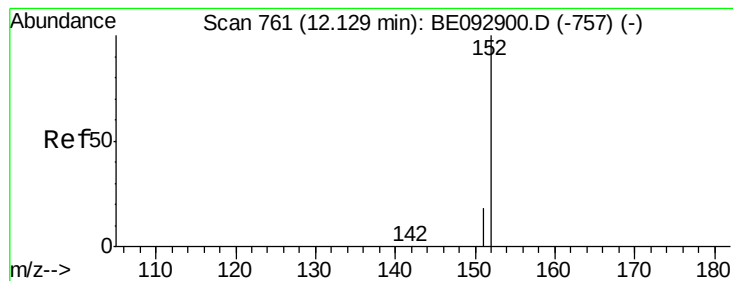


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.39 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

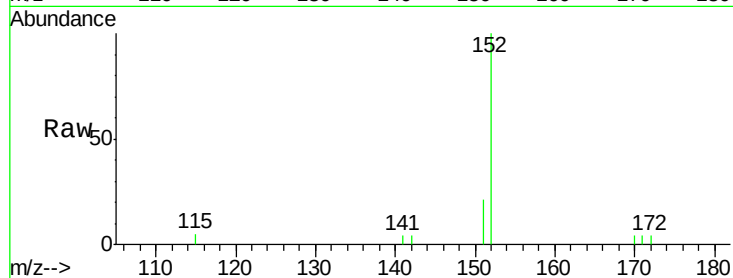
PB98517BSD

Tgt Ion:152 Resp: 1884

Ion Ratio Lower Upper

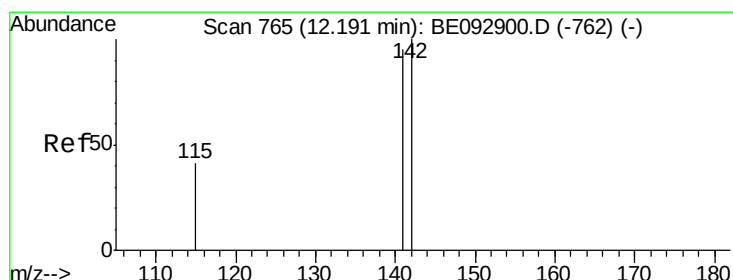
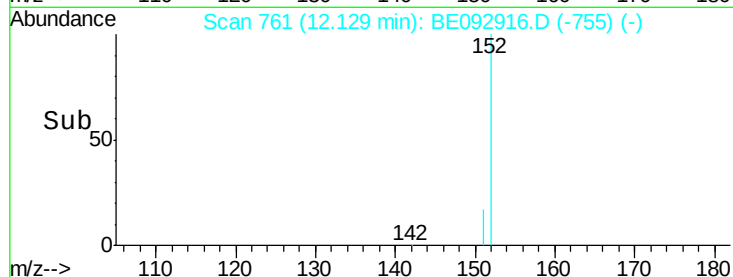
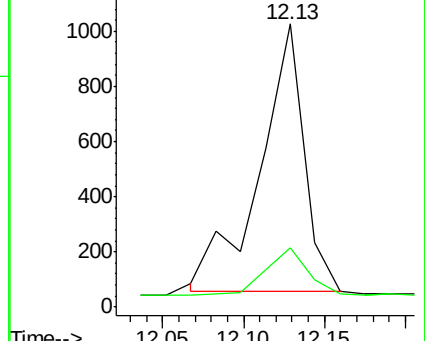
152 100

151 16.0 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.30 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

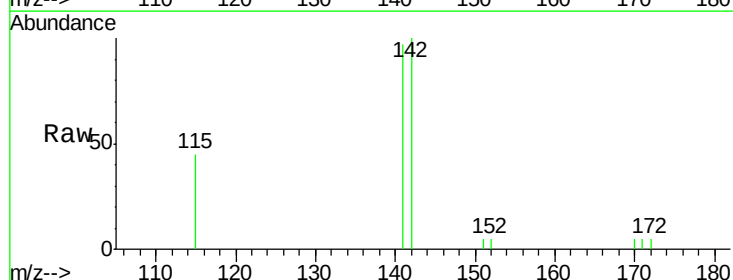
Tgt Ion:142 Resp: 1617

Ion Ratio Lower Upper

142 100

141 96.8 76.0 114.0

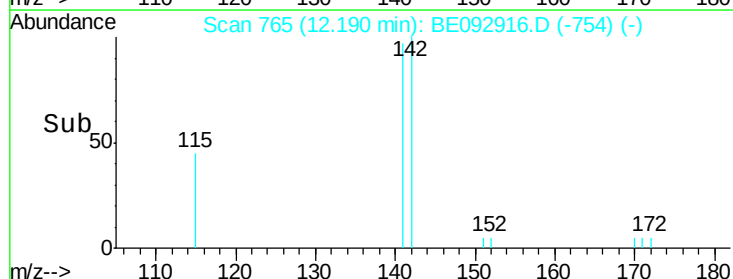
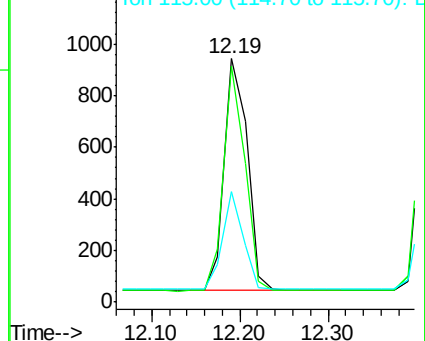
115 45.3 41.6 62.4

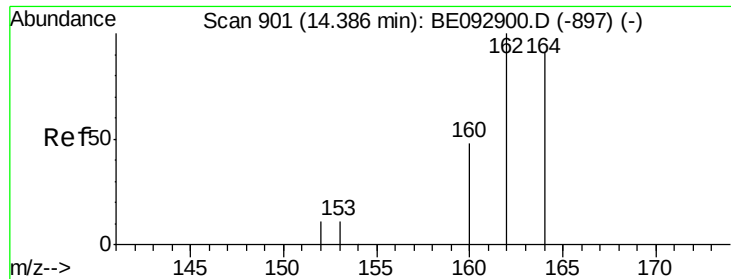


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

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ClientSampleId :

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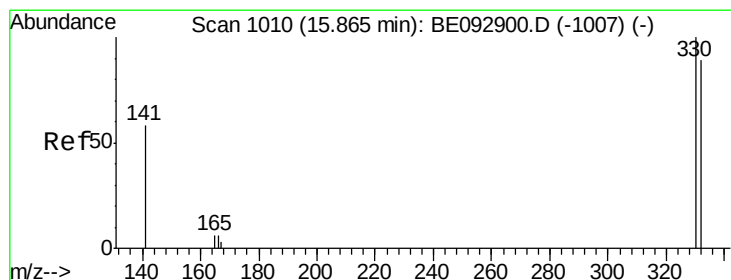
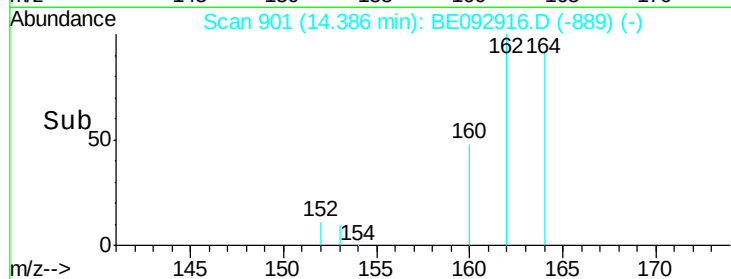
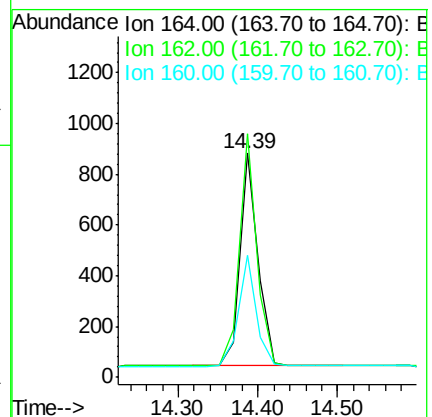
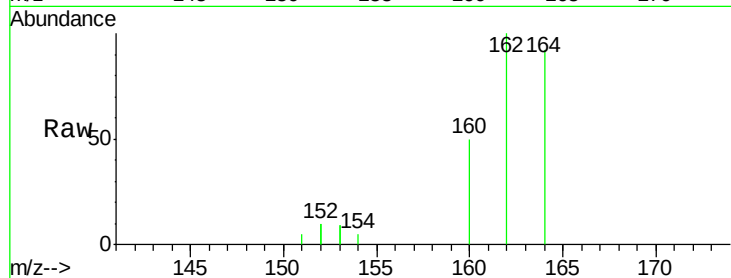
Tgt Ion:164 Resp: 1312

Ion Ratio Lower Upper

164 100

162 108.6 86.6 130.0

160 54.4 44.5 66.7



#14

2,4,6-Tribromophenol

Concen: 0.24 ng

RT: 15.86 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

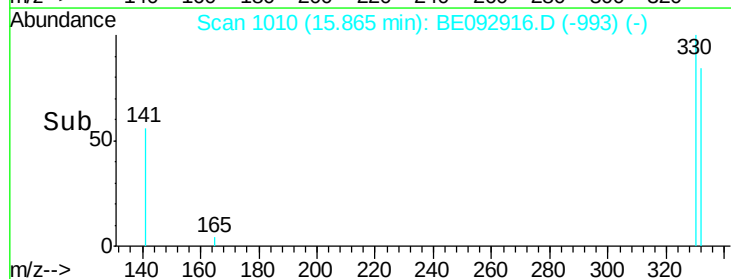
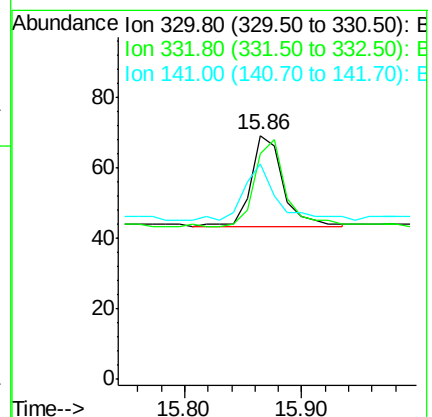
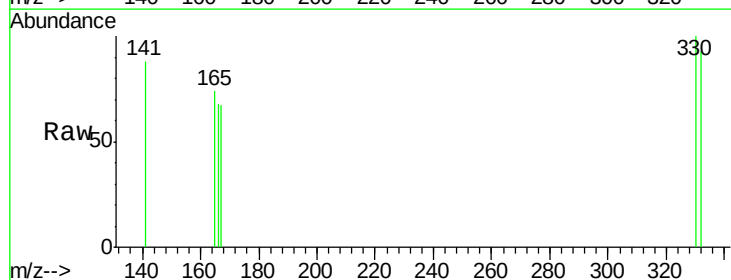
Tgt Ion:330 Resp: 51

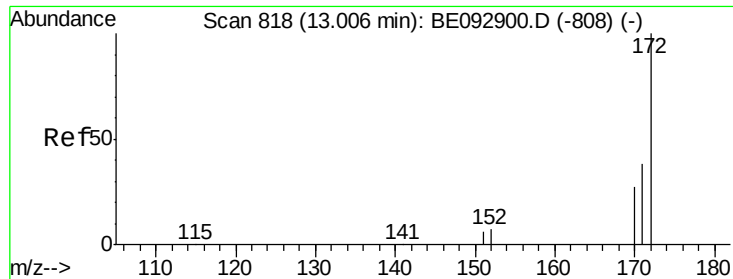
Ion Ratio Lower Upper

330 100

332 94.1 69.1 103.7

141 60.8 54.6 81.8

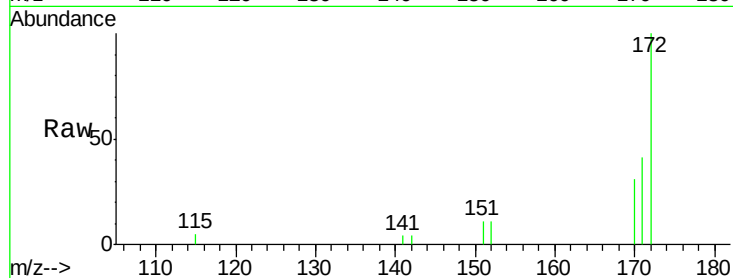




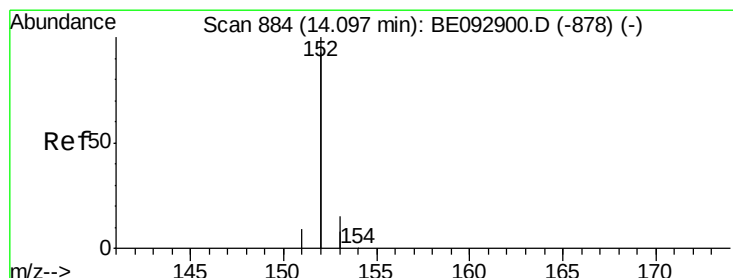
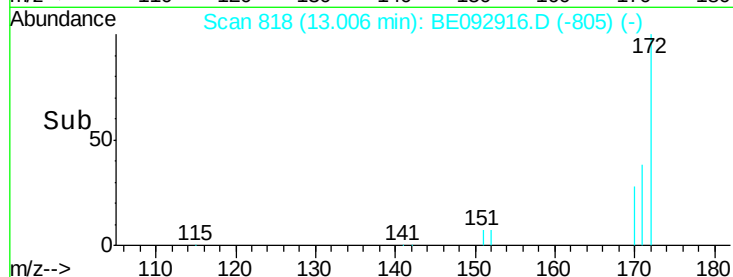
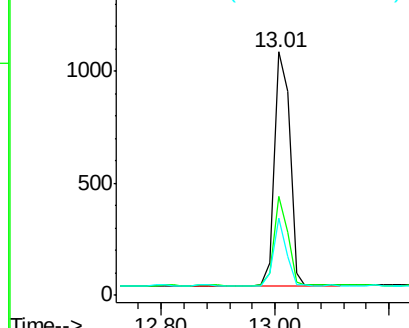
#15
2-Fluorobiphenyl
Concen: 0.32 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092916.D
Acq: 27 Apr 2017 16:03

Instrument :
BNA_E
ClientSampleId :
PB98517BSD

Tgt Ion:172 Resp: 1914
Ion Ratio Lower Upper
172 100
171 40.8 35.8 53.6
170 31.4 28.5 42.7

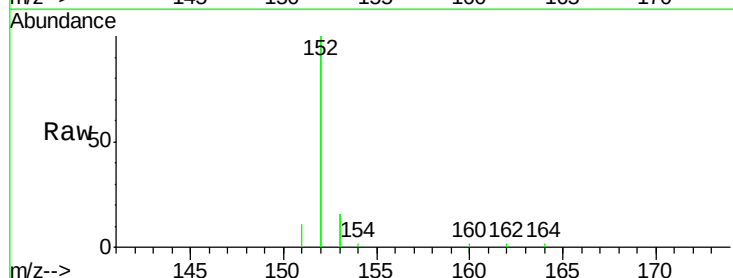


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

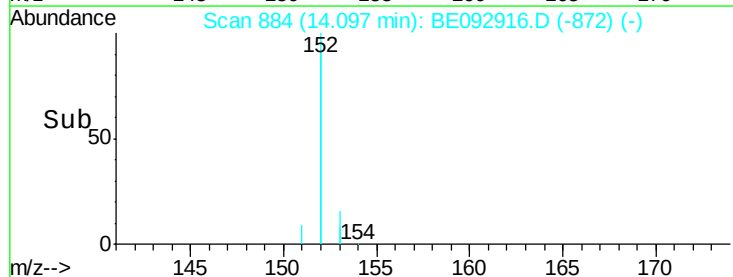
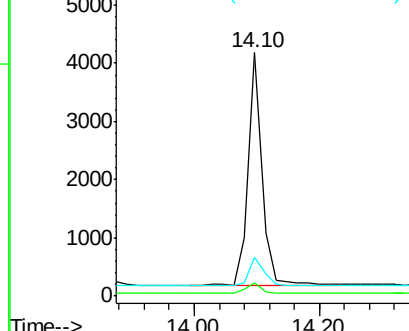


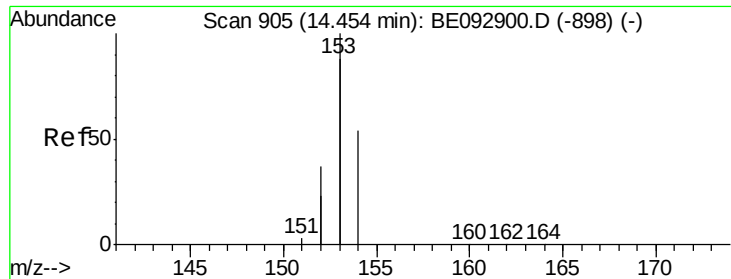
#16
Acenaphthylene
Concen: 0.30 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092916.D
Acq: 27 Apr 2017 16:03

Tgt Ion:152 Resp: 6228
Ion Ratio Lower Upper
152 100
151 4.8 3.8 5.8
153 13.2 10.0 15.0



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: 0.31 ng

RT: 14.45 min Scan# 905

Delta R.T. 0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD

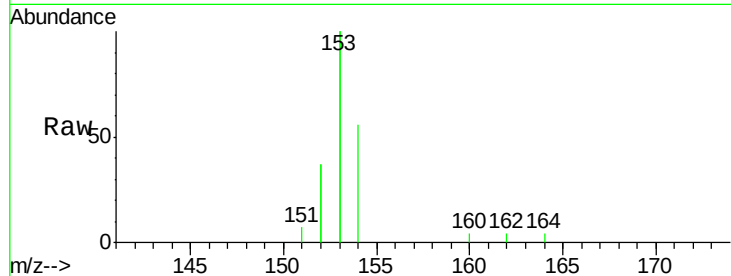
Tgt Ion:154 Resp: 1292

Ion Ratio Lower Upper

154 100

153 459.3 355.6 533.4

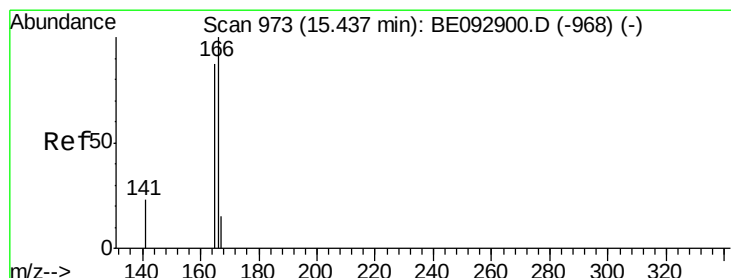
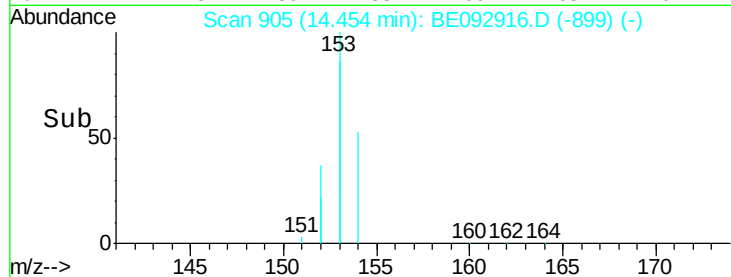
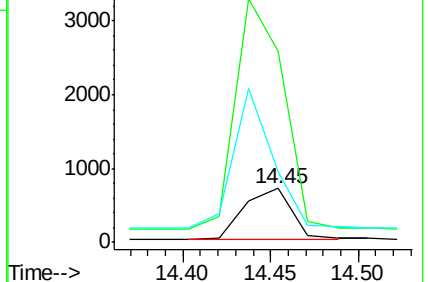
152 229.4 177.8 266.8



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: 0.30 ng

RT: 15.44 min Scan# 973

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

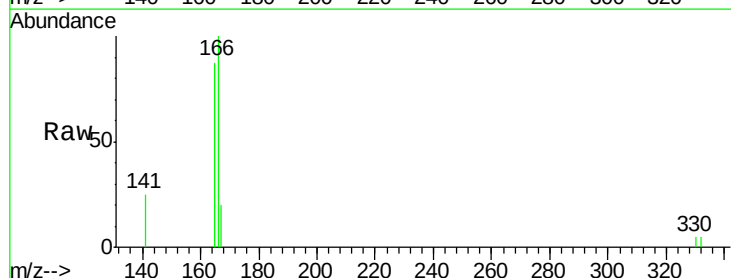
Tgt Ion:166 Resp: 1500

Ion Ratio Lower Upper

166 100

165 99.2 80.7 121.1

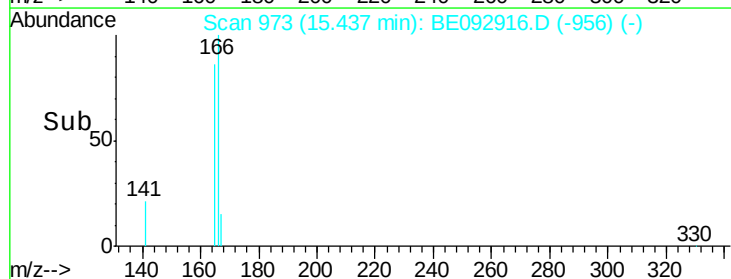
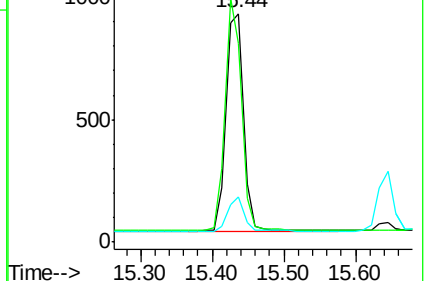
167 14.7 11.3 16.9

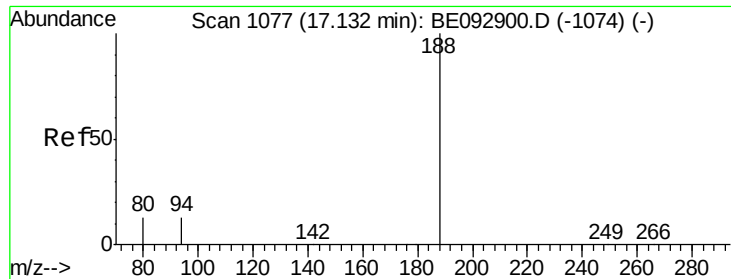


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD

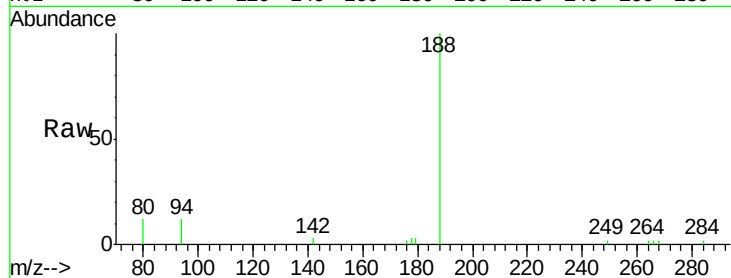
Tgt Ion:188 Resp: 3128

Ion Ratio Lower Upper

188 100

94 11.8 10.2 15.4

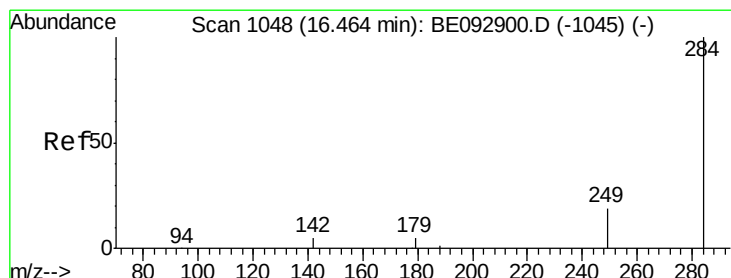
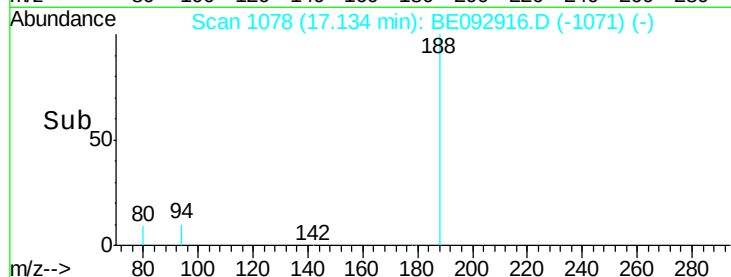
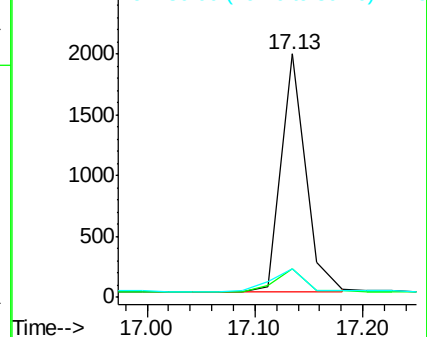
80 11.7 10.6 15.8



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

Hexachlorobenzene

Concen: 0.28 ng

RT: 16.47 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

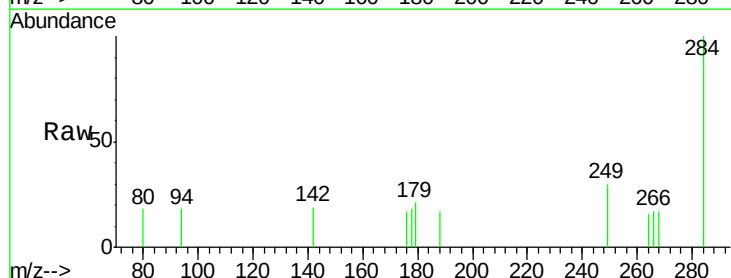
Tgt Ion:284 Resp: 391

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

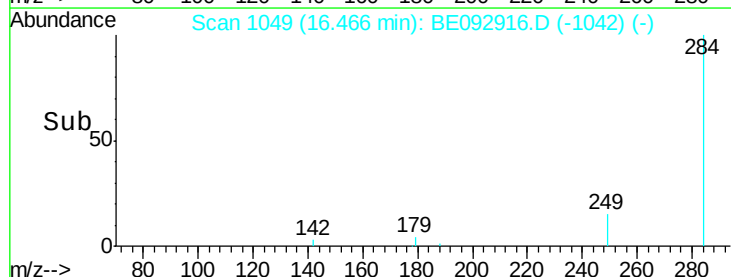
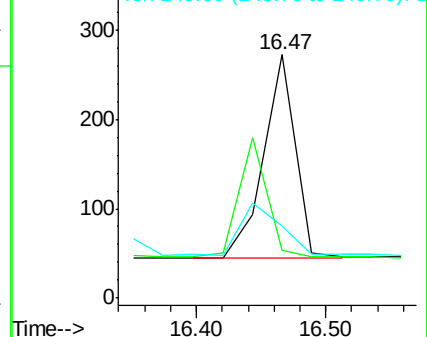
249 0.0 0.0 0.0

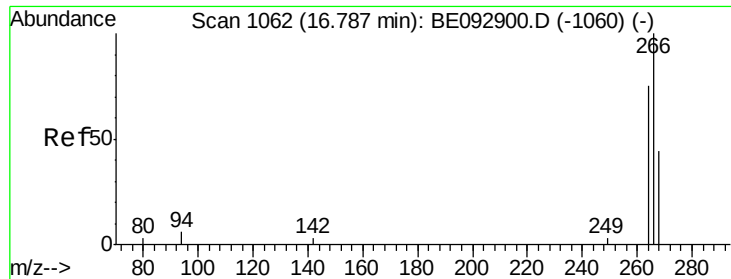


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

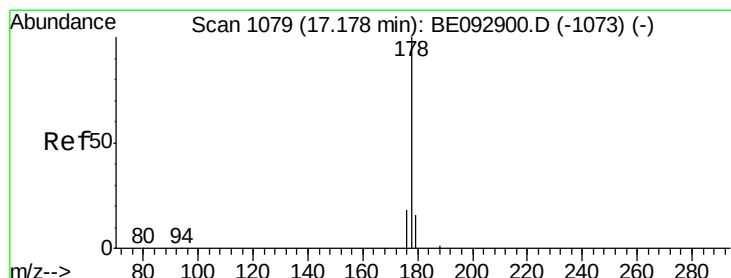
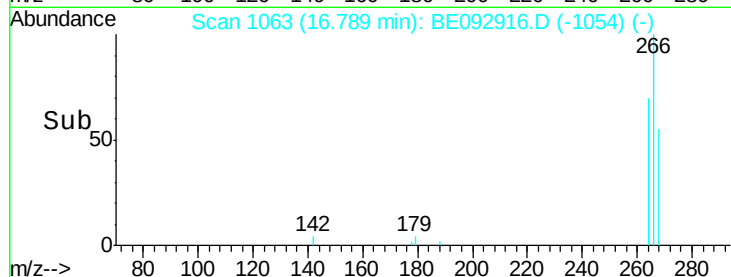
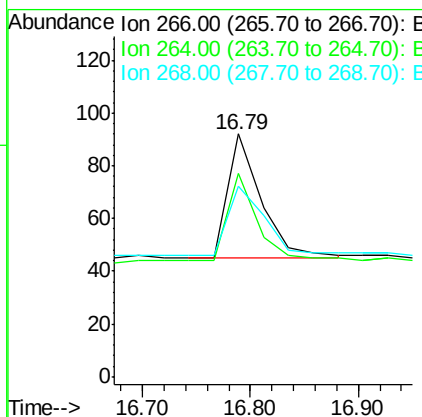
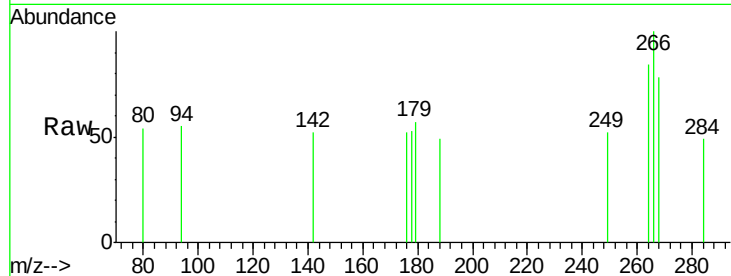




#21
 Pentachlorophenol
 Concen: 0.45 ng
 RT: 16.79 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

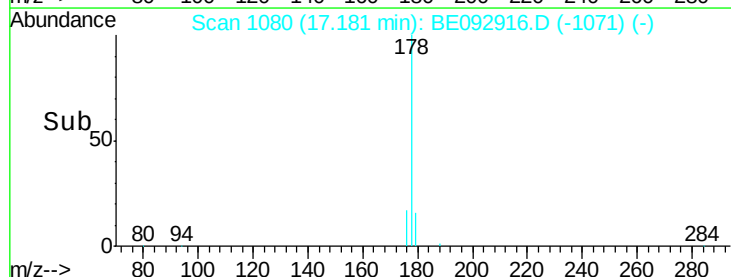
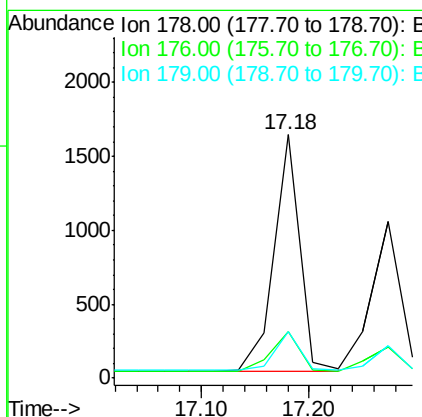
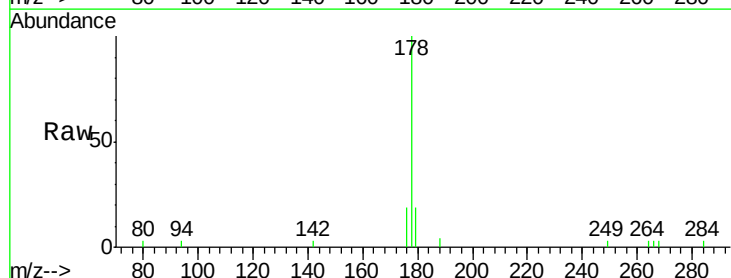
Instrument :
 BNA_E
 ClientSampleId :
 PB98517BSD

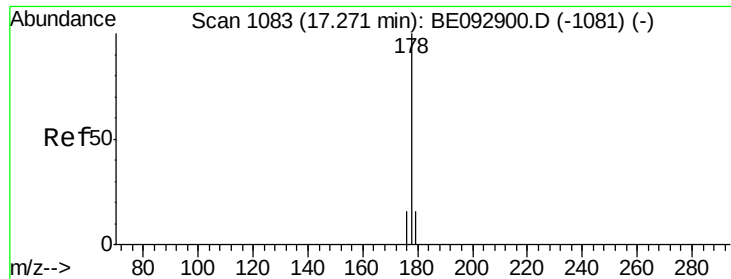
Tgt Ion: 266 Resp: 101
 Ion Ratio Lower Upper
 266 100
 264 83.7 75.4 113.2
 268 78.3 75.4 113.2



#22
 Phenanthrene
 Concen: 0.29 ng
 RT: 17.18 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

Tgt Ion: 178 Resp: 2674
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.2 21.4
 179 15.9 13.6 20.4





#23

Anthracene

Concen: 0.28 ng

RT: 17.27 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD

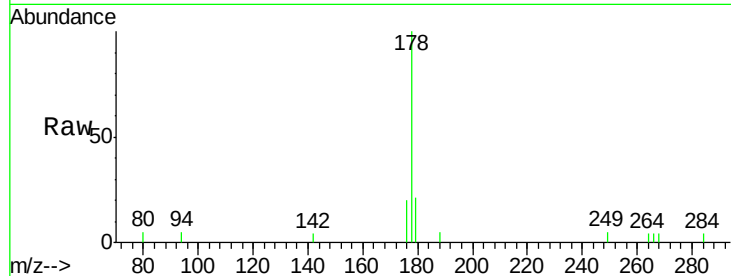
Tgt Ion:178 Resp: 1931

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

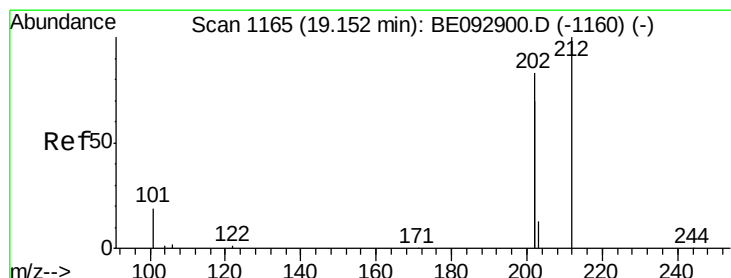
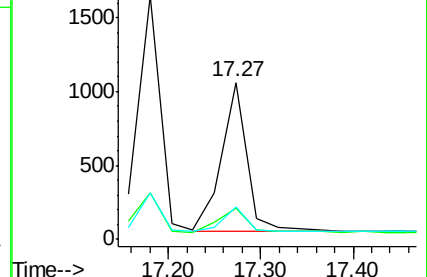
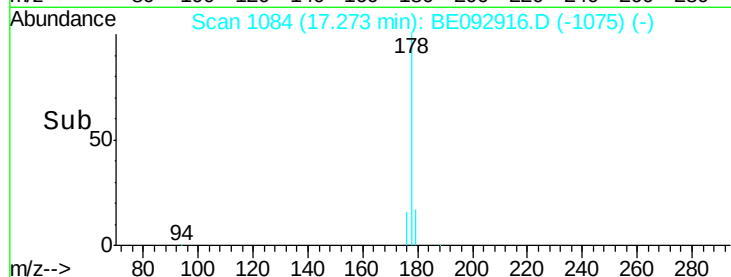
179 15.7 12.8 19.2



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

Fluoranthene-d10

Concen: 0.29 ng

RT: 19.15 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

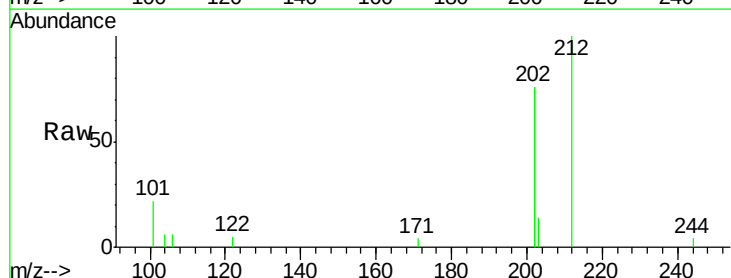
Tgt Ion:212 Resp: 2156

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

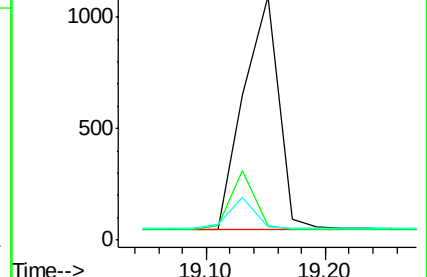
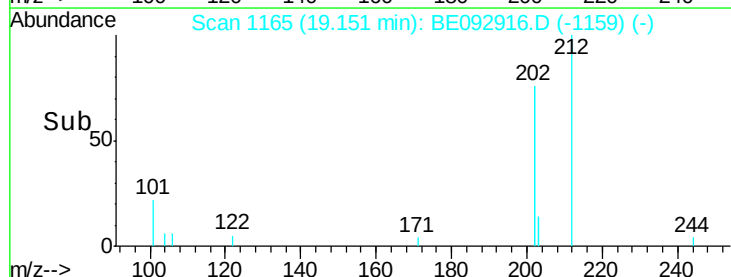
104 0.0 0.0 0.0

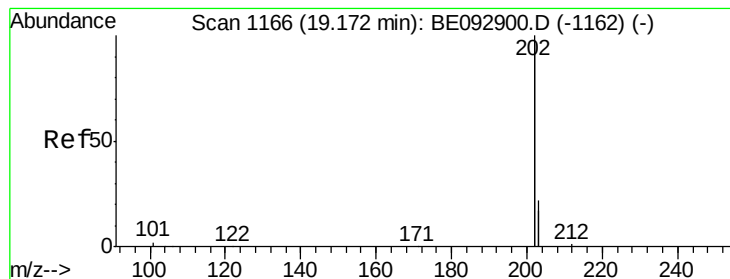


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.26 ng

RT: 19.17 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD

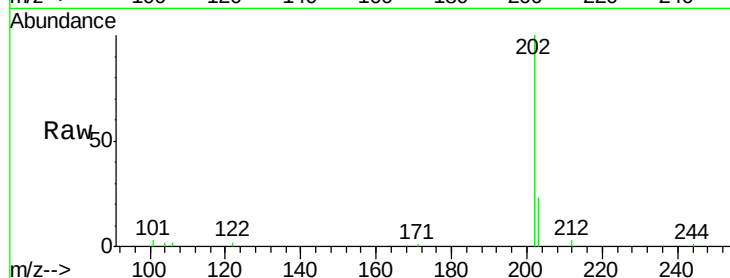
Tgt Ion:202 Resp: 10005

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

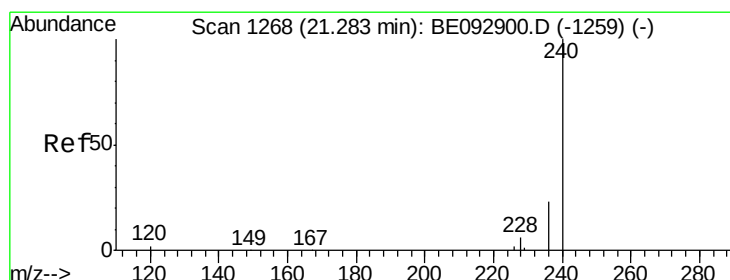
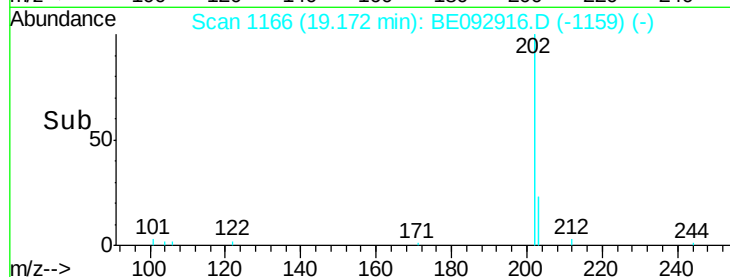
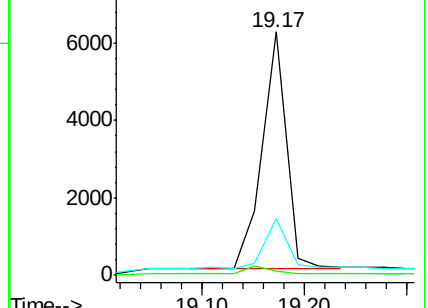
203 19.1 15.3 22.9



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



#26

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

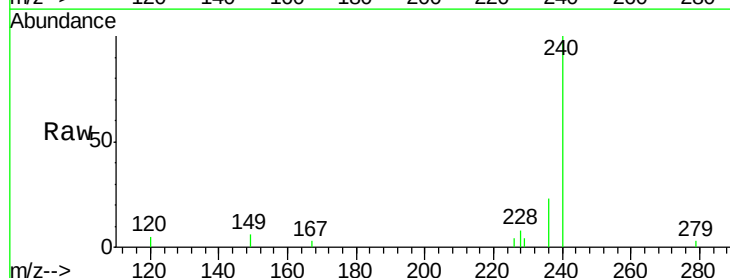
Tgt Ion:240 Resp: 2691

Ion Ratio Lower Upper

240 100

120 5.3 4.6 6.8

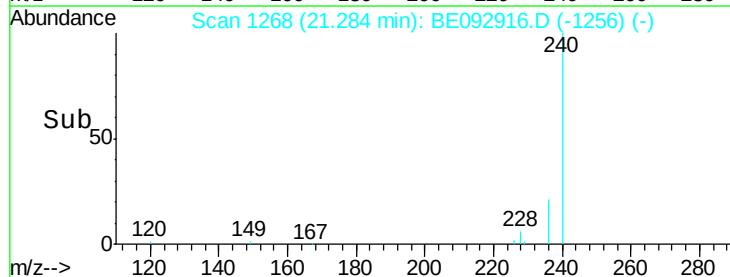
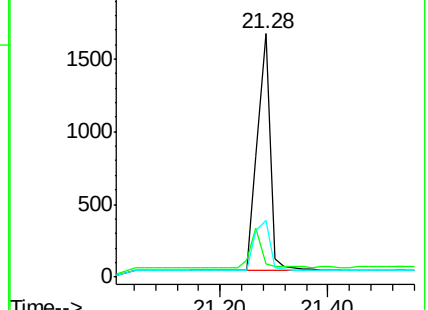
236 23.5 19.8 29.8

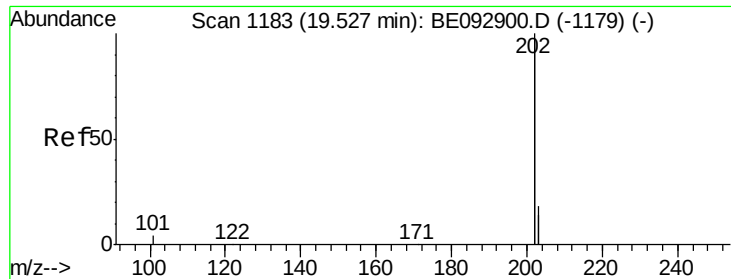


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

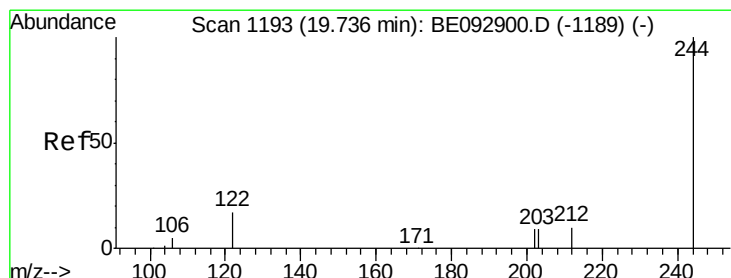
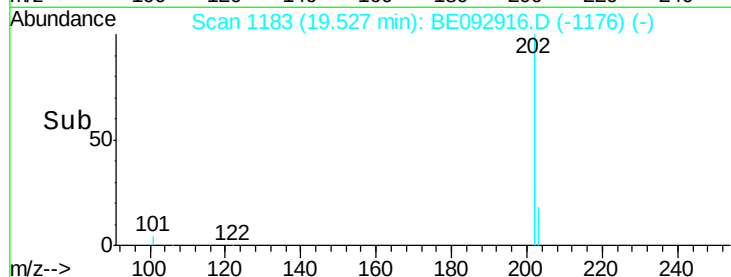
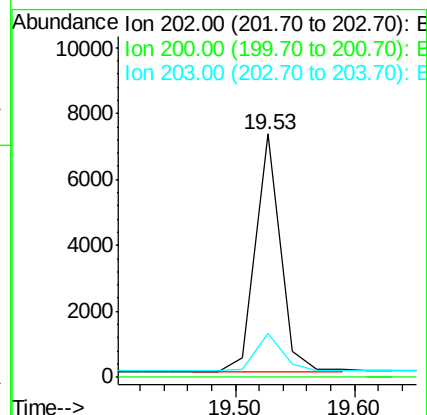
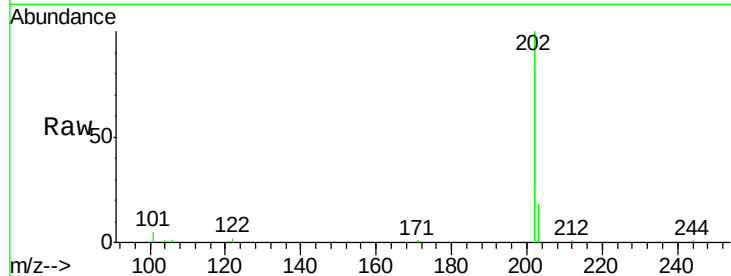




#27
 Pyrene
 Concen: 0.30 ng
 RT: 19.53 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

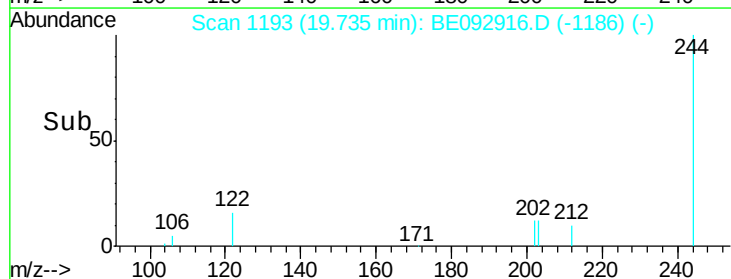
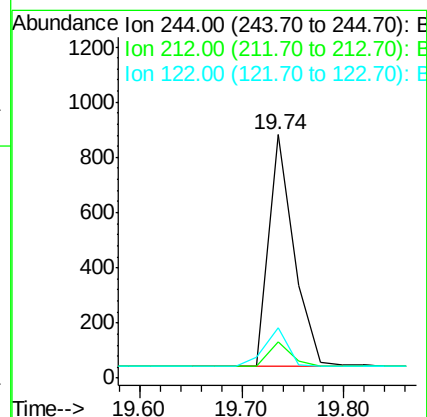
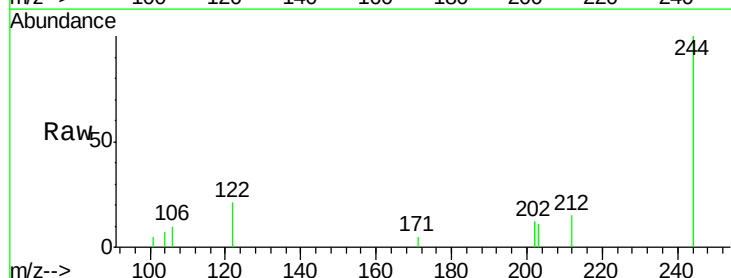
Instrument :
 BNA_E
 ClientSampleId :
 PB98517BSD

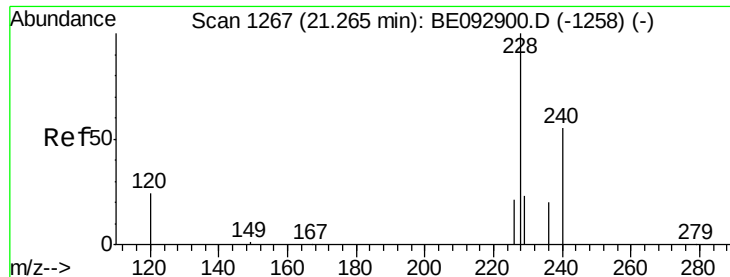
Tgt Ion: 202 Resp: 10446
 Ion Ratio Lower Upper
 202 100
 200 0.0 0.0 0.0
 203 17.4 13.5 20.3



#28
 Terphenyl-d14
 Concen: 0.31 ng
 RT: 19.74 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

Tgt Ion: 244 Resp: 1438
 Ion Ratio Lower Upper
 244 100
 212 14.7 18.4 27.6#
 122 20.7 23.3 34.9#





#29

Benzo(a)anthracene

Concen: 0.32 ng

RT: 21.25 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD

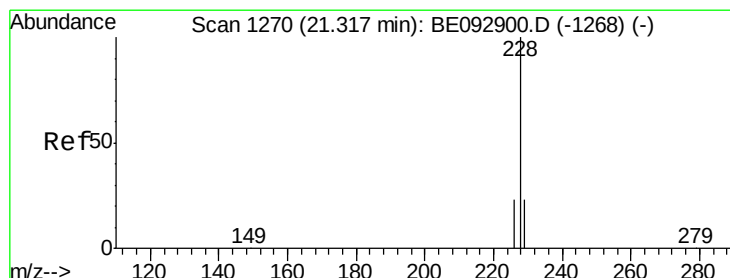
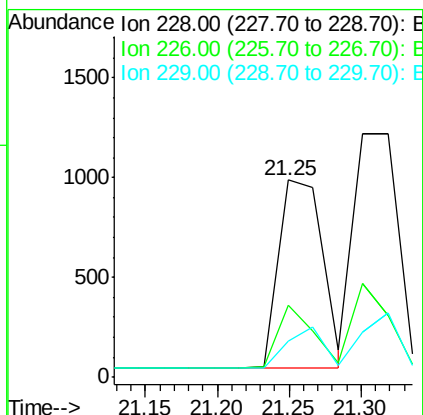
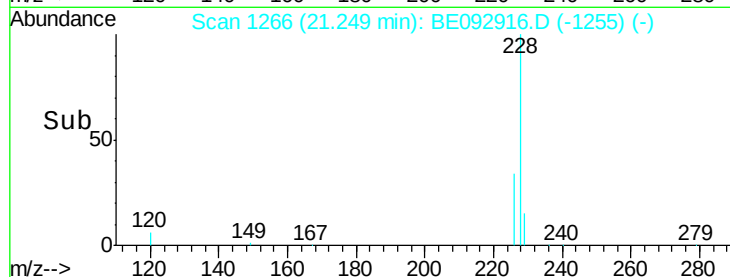
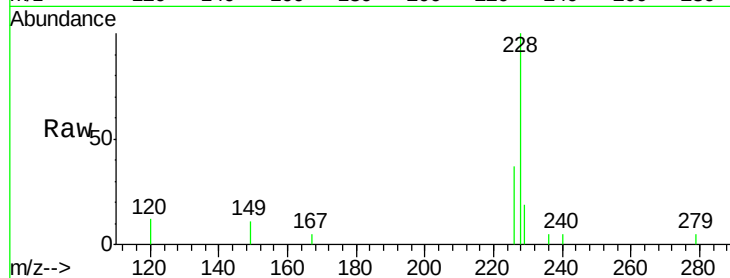
Tgt Ion:228 Resp: 2027

Ion Ratio Lower Upper

228 100

226 36.6 32.0 48.0

229 18.7 21.4 32.0#



#30

Chrysene

Concen: 0.25 ng

RT: 21.25 min Scan# 1266

Delta R.T. -0.07 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

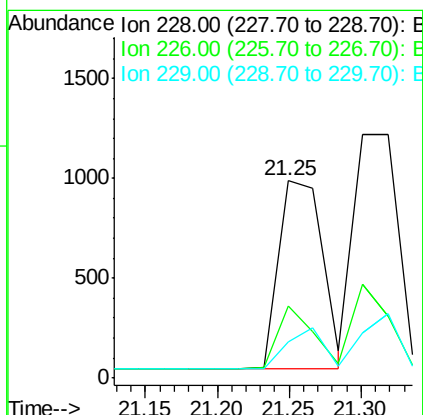
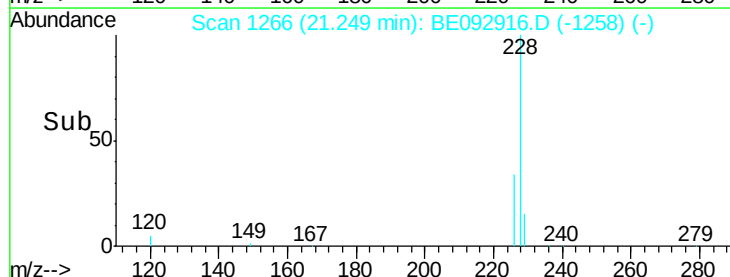
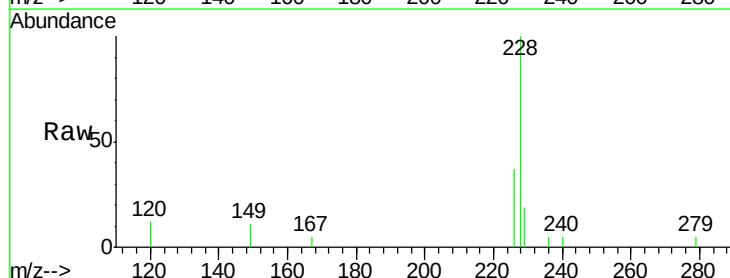
Tgt Ion:228 Resp: 2027

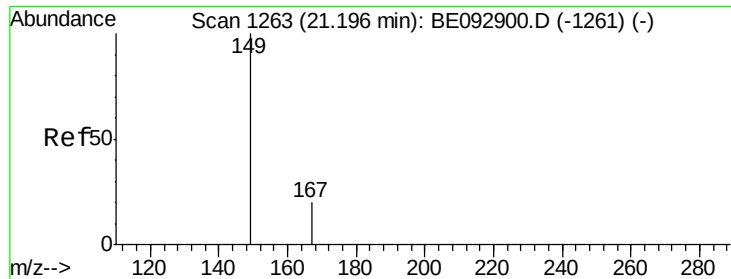
Ion Ratio Lower Upper

228 100

226 36.6 34.2 51.2

229 18.7 18.6 28.0

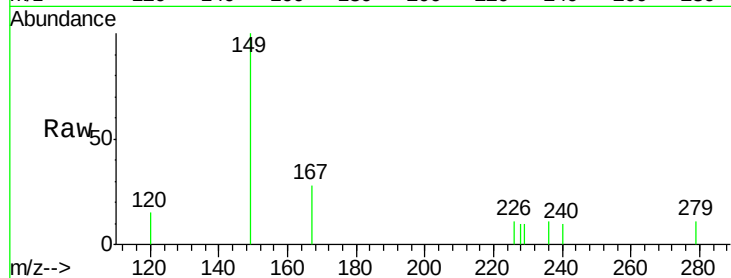




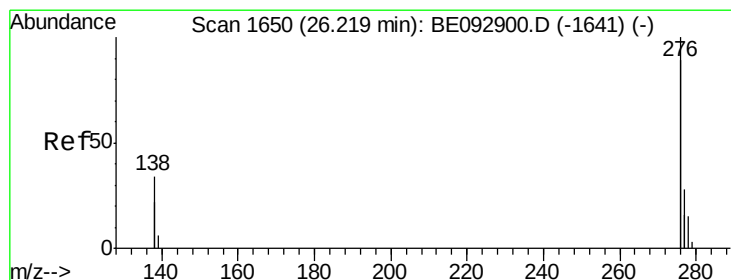
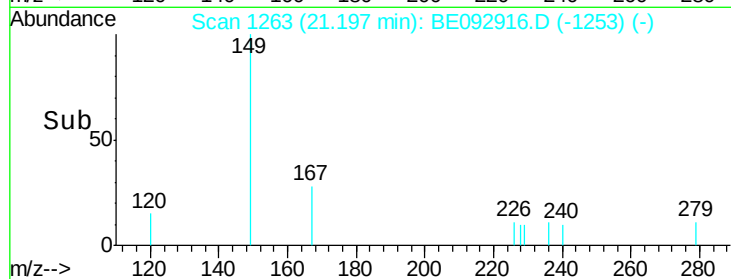
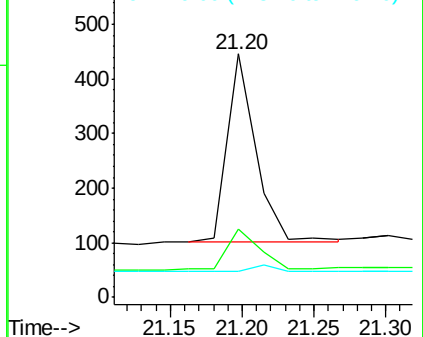
#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.29 ng
 RT: 21.20 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

Instrument :
 BNA_E
 ClientSampleId :
 PB98517BSD

Tgt Ion:149 Resp: 472
 Ion Ratio Lower Upper
 149 100
 167 24.8 20.9 31.3
 279 0.0 0.0 0.0

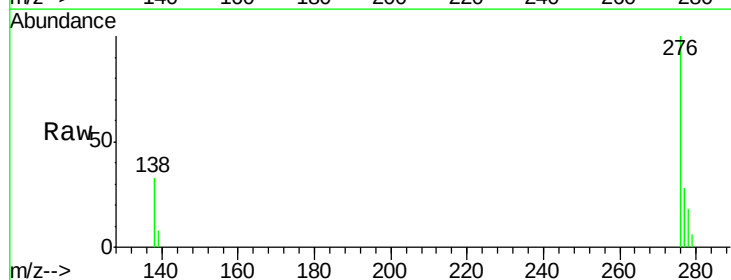


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

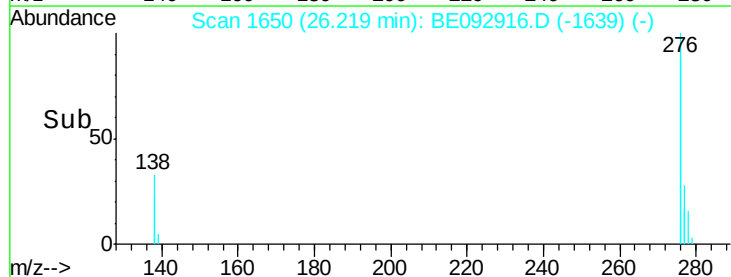
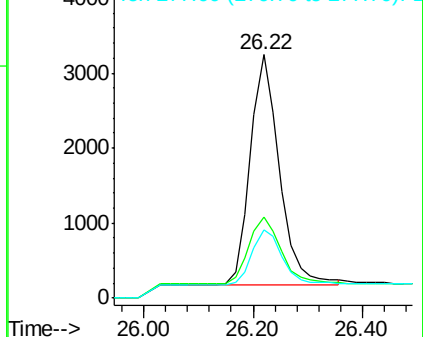


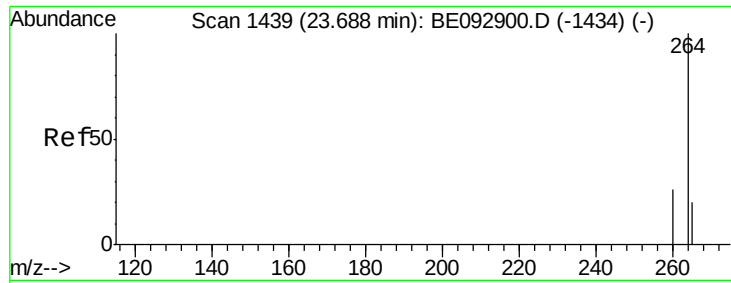
#32
 Indeno(1,2,3-cd)pyrene
 Concen: 0.43 ng
 RT: 26.22 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

Tgt Ion:276 Resp: 11365
 Ion Ratio Lower Upper
 276 100
 138 32.0 25.8 38.6
 277 24.9 20.2 30.4



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

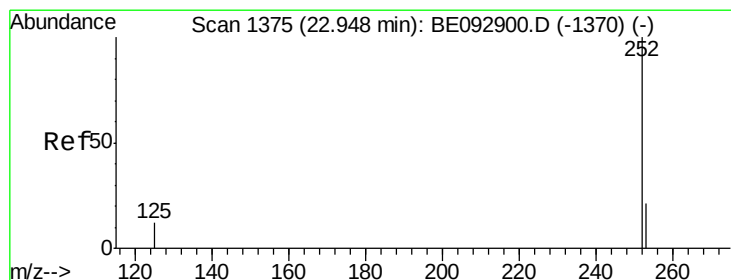
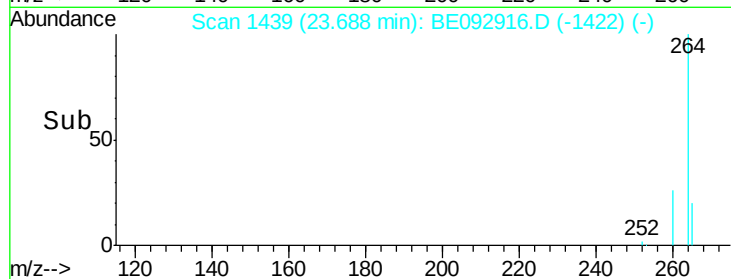
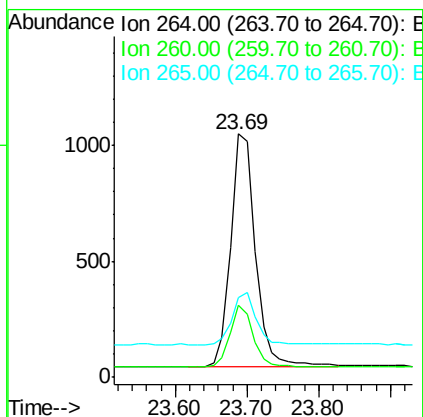
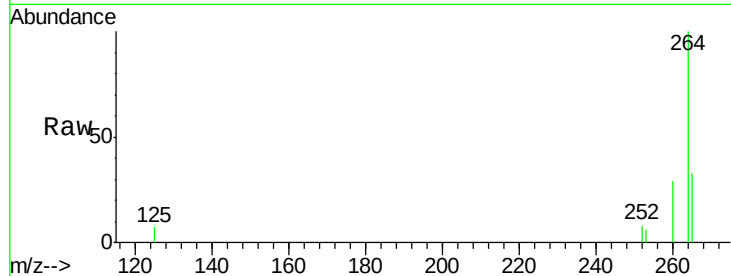




#33
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.69 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

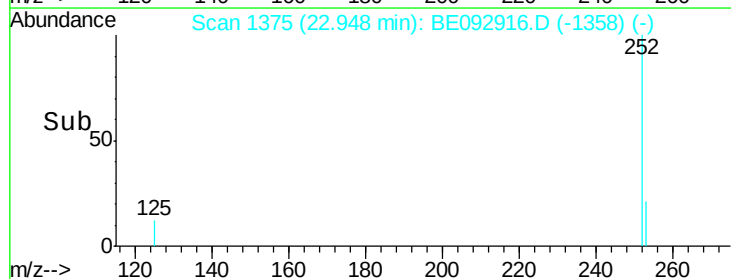
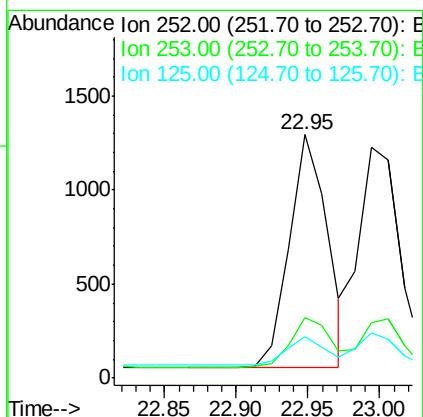
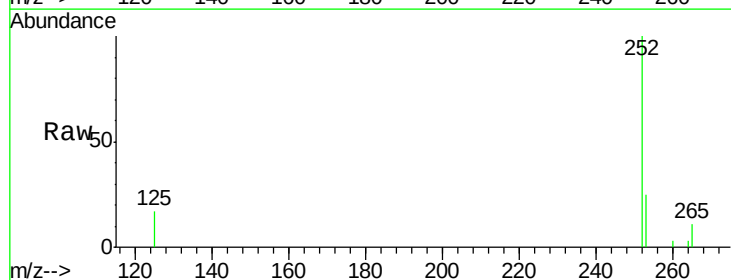
Instrument :
 BNA_E
 ClientSampleId :
 PB98517BSD

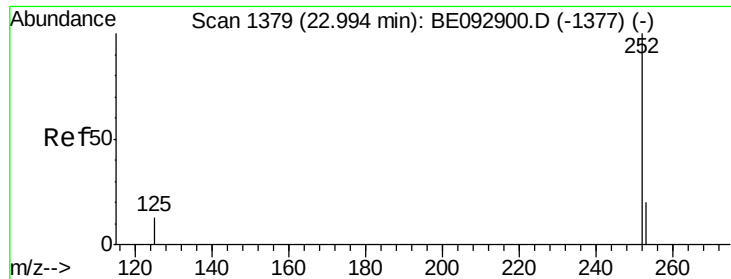
Tgt Ion: 264 Resp: 2430
 Ion Ratio Lower Upper
 264 100
 260 29.4 23.5 35.3
 265 32.6 27.2 40.8



#34
 Benzo(b)fluoranthene
 Concen: 0.27 ng
 RT: 22.95 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: BE092916.D
 Acq: 27 Apr 2017 16:03

Tgt Ion: 252 Resp: 2290
 Ion Ratio Lower Upper
 252 100
 253 24.9 24.7 37.1
 125 16.8 20.3 30.5#

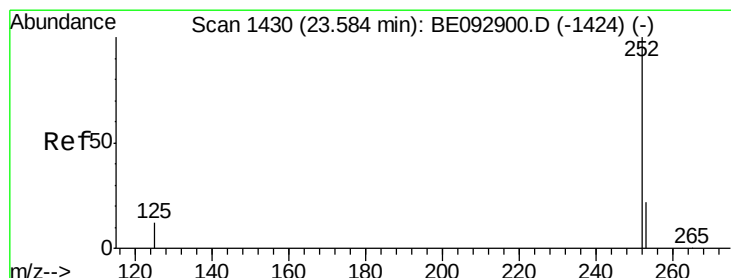
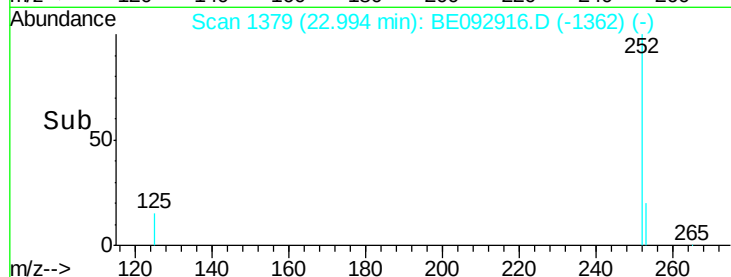
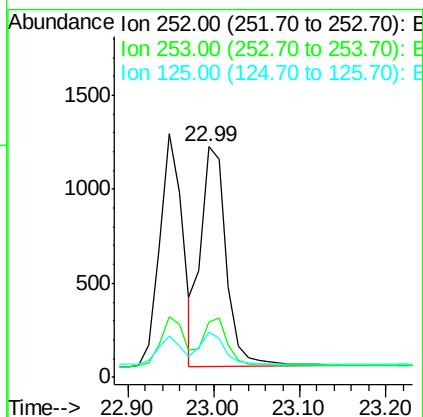
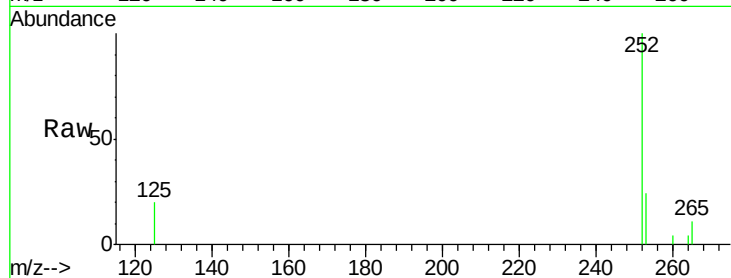




#35
Benzo(k)fluoranthene
Concen: 0.28 ng
RT: 22.99 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE092916.D
Acq: 27 Apr 2017 16:03

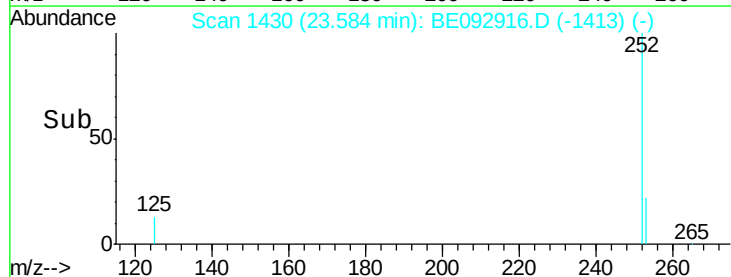
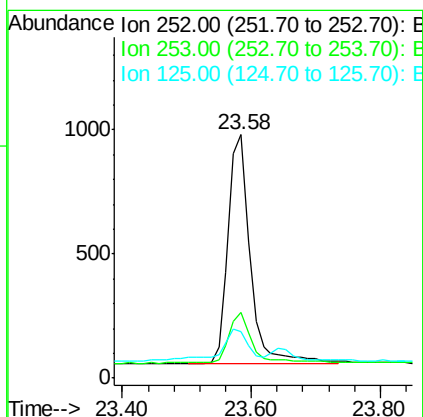
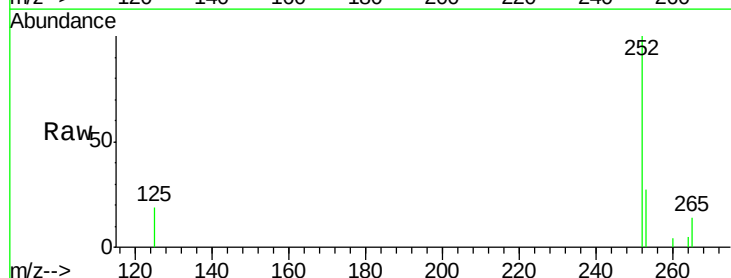
Instrument :
BNA_E
ClientSampleId :
PB98517BSD

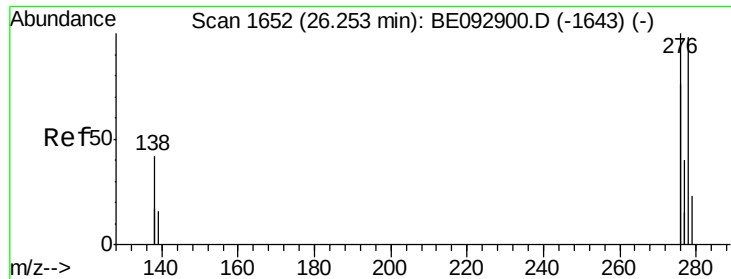
Tgt Ion: 252 Resp: 2389
Ion Ratio Lower Upper
252 100
253 24.2 25.8 38.8#
125 19.6 22.9 34.3#



#36
Benzo(a)pyrene
Concen: 0.32 ng
RT: 23.58 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BE092916.D
Acq: 27 Apr 2017 16:03

Tgt Ion: 252 Resp: 2209
Ion Ratio Lower Upper
252 100
253 26.8 31.3 46.9#
125 19.4 26.4 39.6#





#37

Dibenzo(a,h)anthracene

Concen: 0.31 ng

RT: 26.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE092916.D

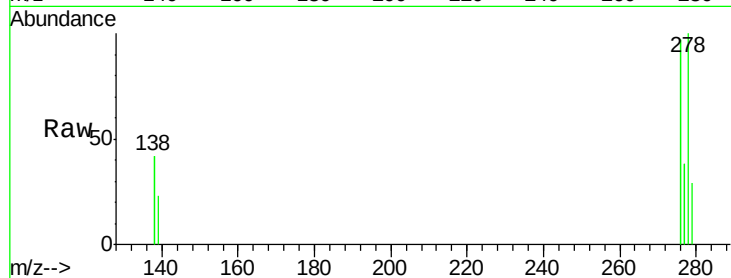
Acq: 27 Apr 2017 16:03

Instrument :

BNA_E

ClientSampleId :

PB98517BSD



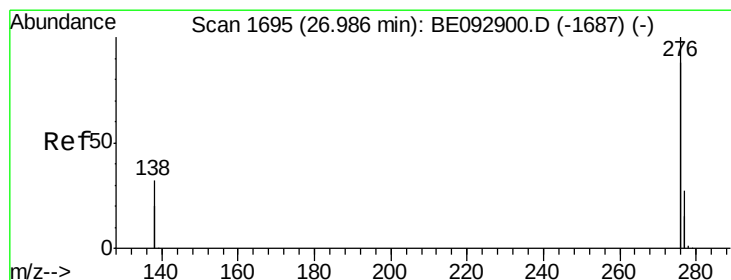
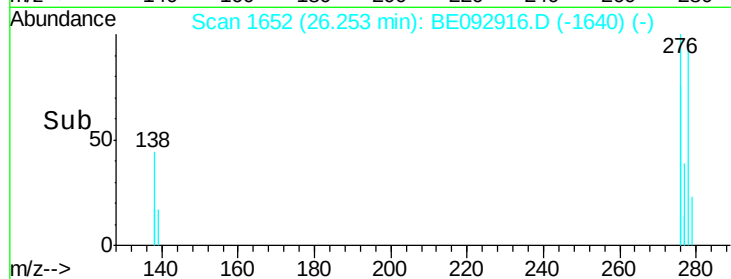
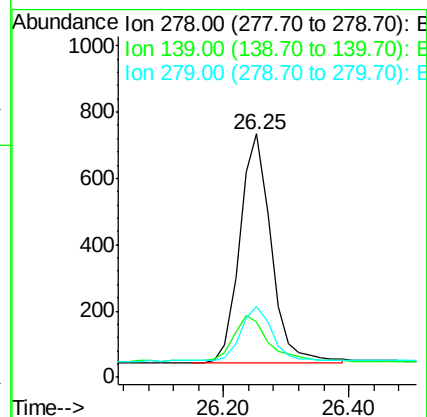
Tgt Ion: 278 Resp: 2389

Ion Ratio Lower Upper

278 100

139 22.9 27.4 41.2#

279 29.2 33.3 49.9#



#38

Benzo(g,h,i)perylene

Concen: 0.29 ng

RT: 26.99 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE092916.D

Acq: 27 Apr 2017 16:03

Tgt Ion: 276 Resp: 9747

Ion Ratio Lower Upper

276 100

277 26.7 29.9 44.9#

138 33.9 34.6 51.8#

