

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013117\
 Data File : BE092697.D
 Acq On : 31 Jan 2017 21:29
 Operator : SJ/MA
 Sample : I1505-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01B

Quant Time: Feb 01 02:23:16 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

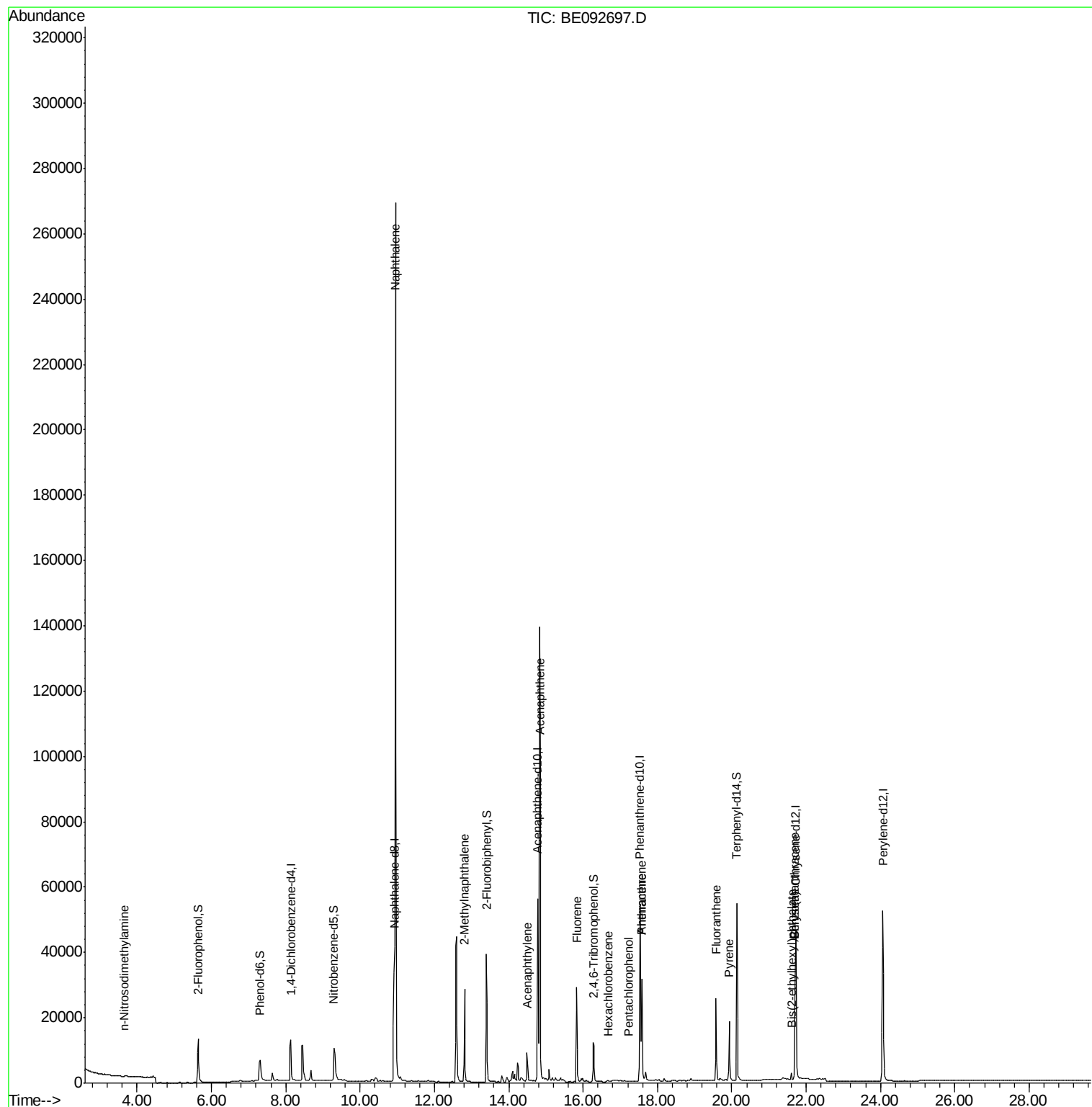
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10620	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	50179	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	33190	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	75475	5.00	ng	0.00
24) Chrysene-d12	21.72	240	76026	5.00	ng	0.00
31) Perylene-d12	24.07	264	79351	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	13767	5.81	ng	-0.01
5) Phenol-d6	7.31	99	11316	3.89	ng	-0.02
8) Nitrobenzene-d5	9.29	82	16250	4.99	ng	-0.05
13) 2,4,6-Tribromophenol	16.27	330	9668	9.84	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	41297	5.06	ng	-0.02
26) Terphenyl-d14	20.14	244	67674	6.30	ng	-0.02
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.66	42	162	0.08	ng	# 2
9) Naphthalene	10.95	128	389264	37.15	ng	# 95
11) 2-Methylnaphthalene	12.81	142	22284	3.43	ng	92
15) Acenaphthylene	14.49	152	12834	0.28	ng	# 92
16) Acenaphthene	14.85	154	32326	4.41	ng	96
17) Fluorene	15.83	166	22630	2.46	ng	99
19) Hexachlorobenzene	16.68	284	475	0.10	ng	# 39
20) Pentachlorophenol	17.23	266	22	0.03	ng	# 73
21) Phenanthrene	17.58	178	40818	2.45	ng	95
22) Anthracene	17.58	178	40818	2.66	ng	99
23) Fluoranthene	19.58	202	31214	0.42	ng	100
25) Pyrene	19.93	202	23128	0.31	ng	# 93
27) Benzo(a)anthracene	21.70	228	3641	0.05	ng	# 71
28) Chrysene	21.70	228	3641	0.04	ng	# 74
29) Bis(2-ethylhexyl)phthalate	21.61	149	2297	0.36	ng	# 70

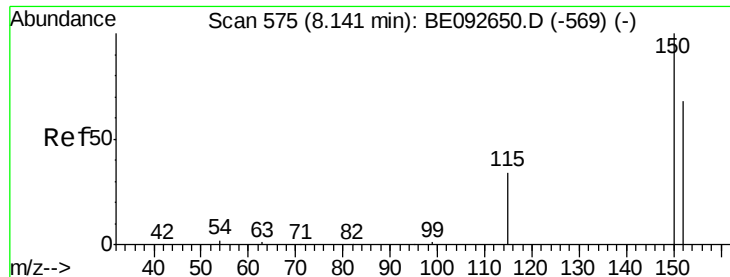
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

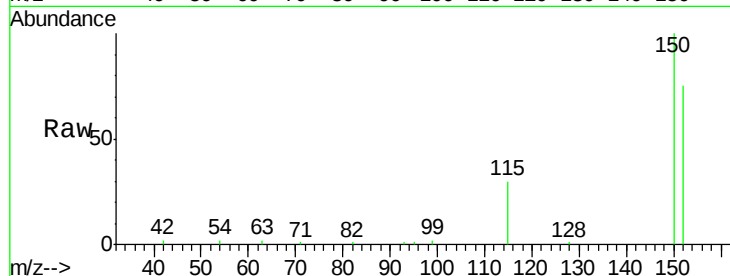
Tgt Ion:152 Resp: 10620

Ion Ratio Lower Upper

152 100

150 132.9 106.0 159.0

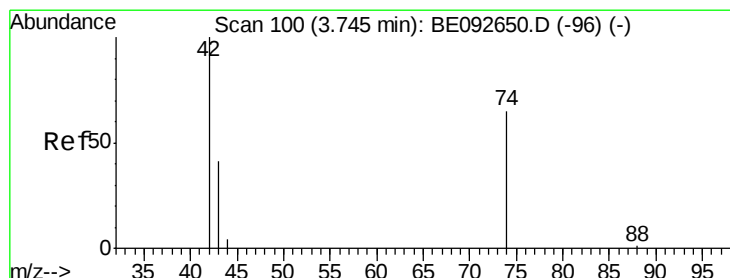
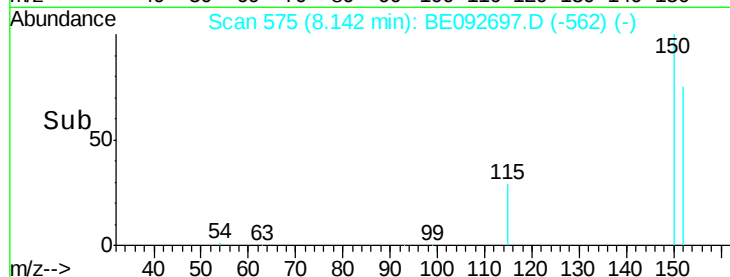
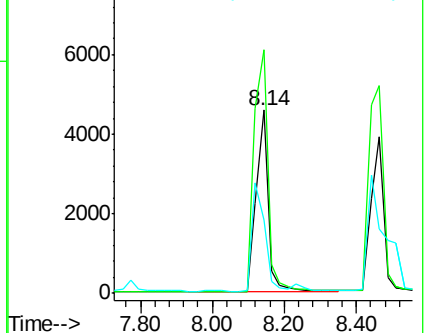
115 39.7 31.2 46.8



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



#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.66 min Scan# 93

Delta R.T. -0.08 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

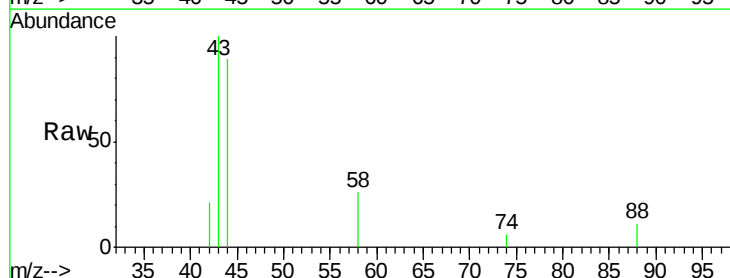
Tgt Ion: 42 Resp: 162

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

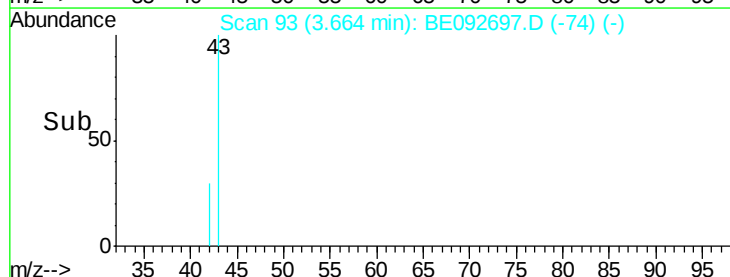
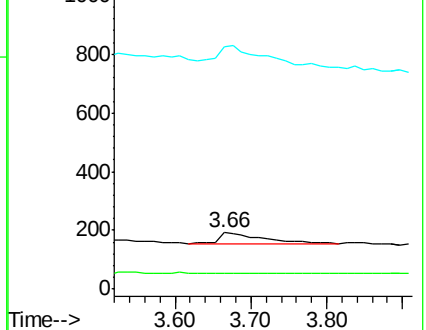
44 0.0 5.1 7.7#

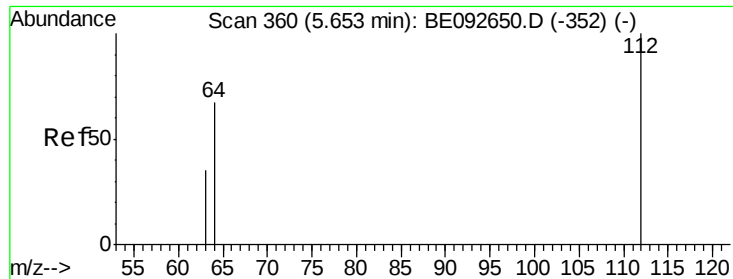


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.81 ng

RT: 5.64 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

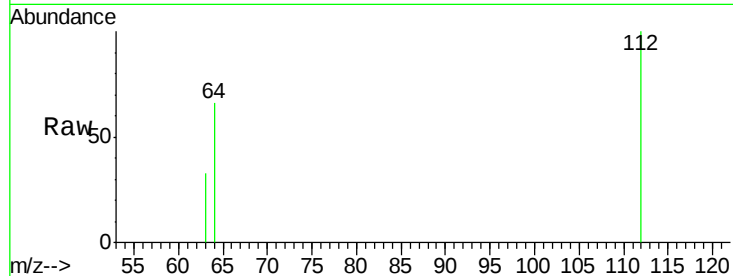
Tgt Ion: 112 Resp: 13767

Ion Ratio Lower Upper

112 100

64 68.6 53.5 80.3

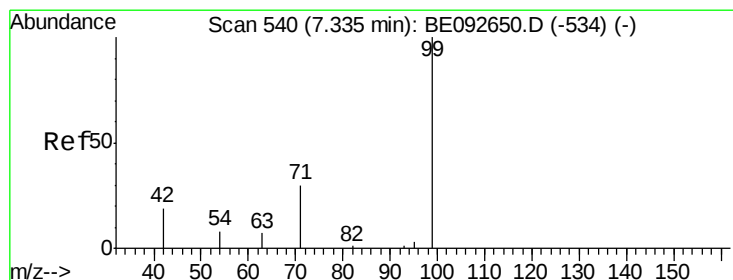
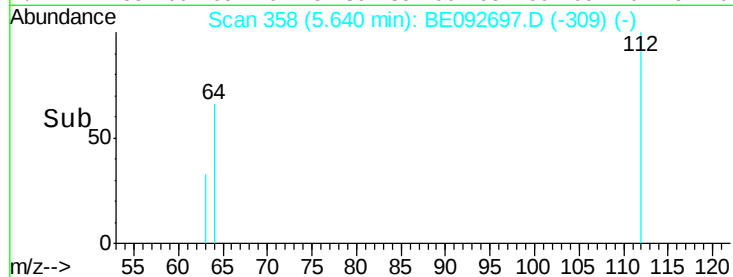
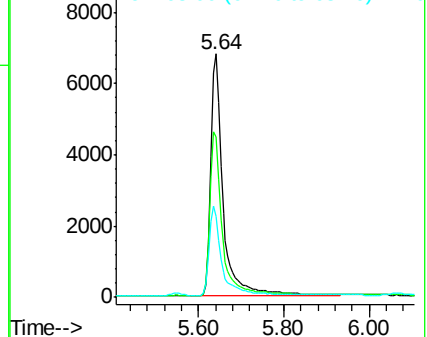
63 37.4 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 3.89 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

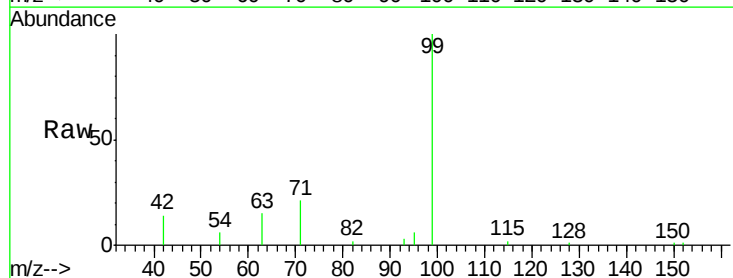
Tgt Ion: 99 Resp: 11316

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

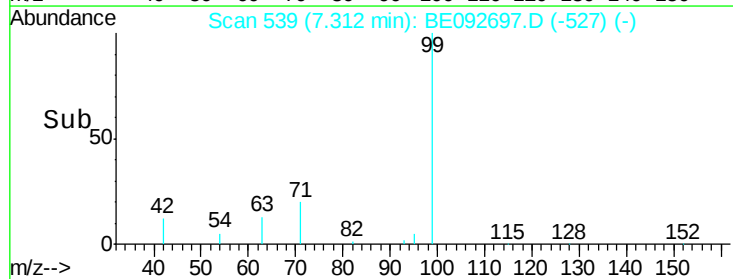
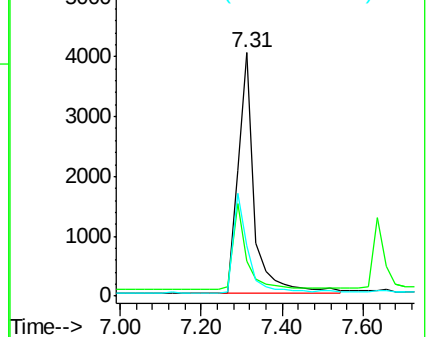
71 0.0 30.6 45.8#

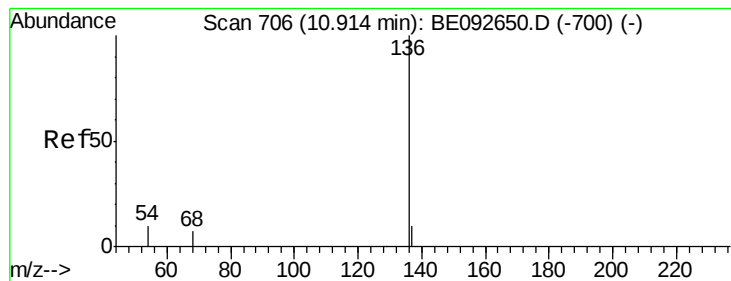


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

Tgt Ion:136 Resp: 50179

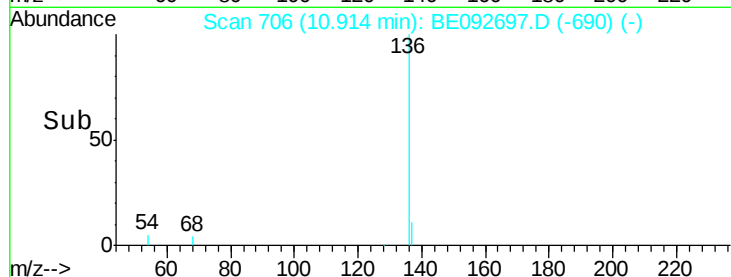
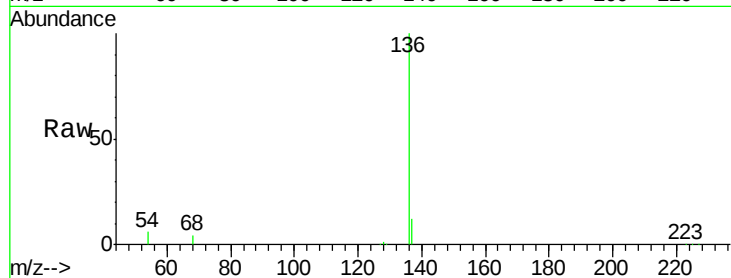
Ion Ratio Lower Upper

136 100

137 11.5 8.2 12.4

54 5.6 9.6 14.4#

68 4.3 6.7 10.1#

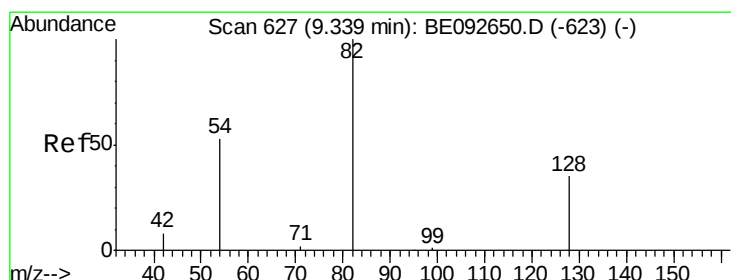
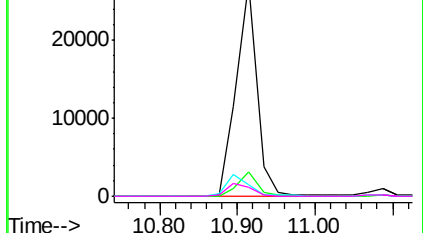


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.99 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

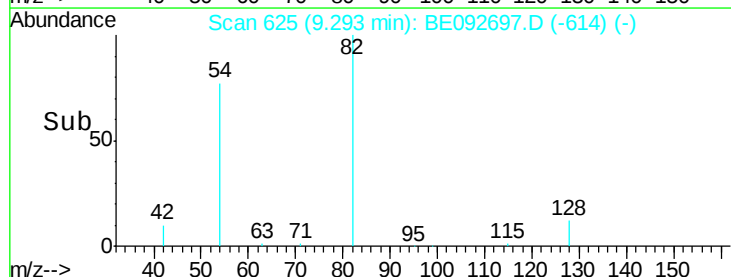
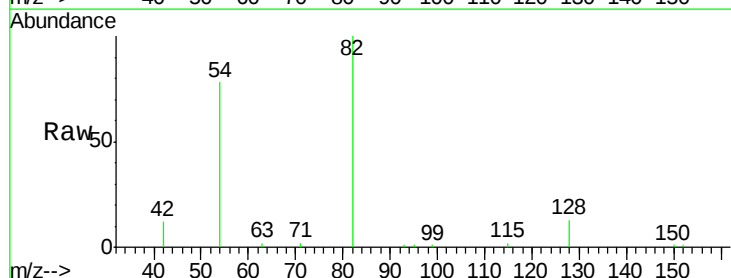
Tgt Ion: 82 Resp: 16250

Ion Ratio Lower Upper

82 100

128 12.9 39.0 58.4#

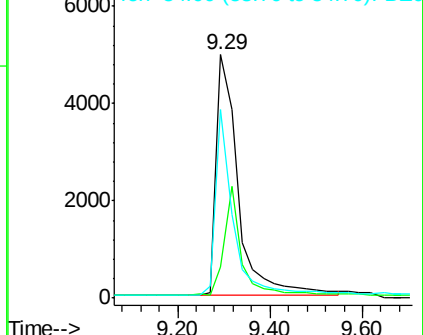
54 77.6 44.8 67.2#

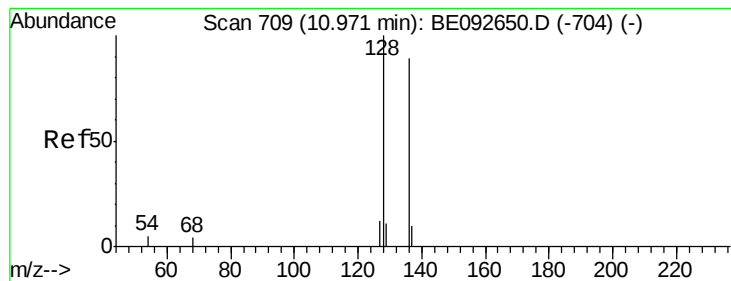


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 37.15 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

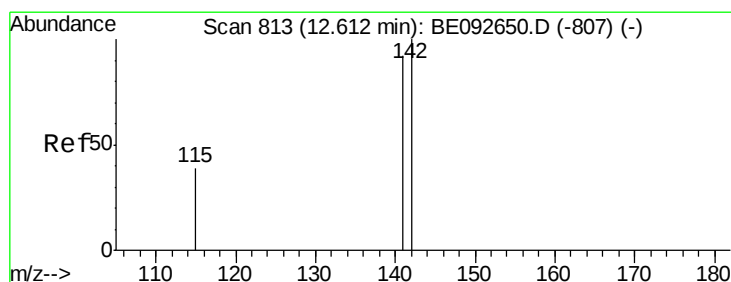
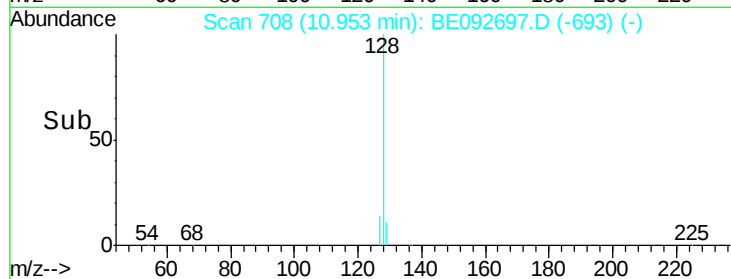
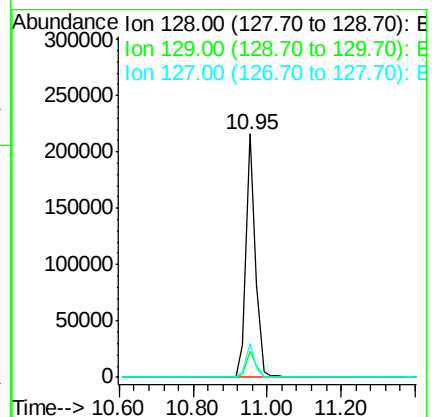
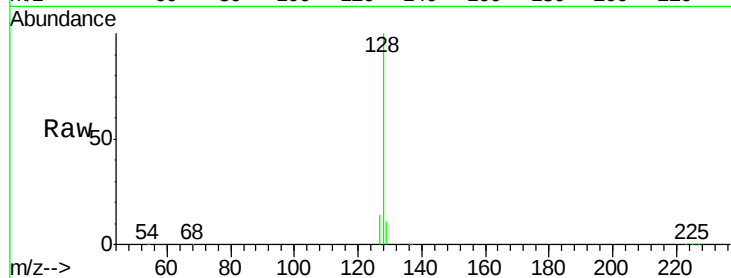
Tgt Ion:128 Resp: 389264

Ion Ratio Lower Upper

128 100

129 10.8 11.2 16.8#

127 13.6 11.6 17.4



#11

2-Methylnaphthalene

Concen: 3.43 ng

RT: 12.81 min Scan# 830

Delta R.T. 0.20 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

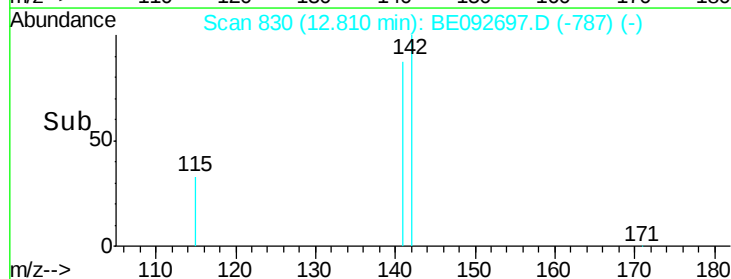
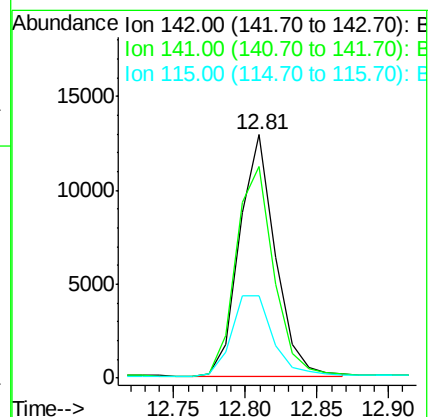
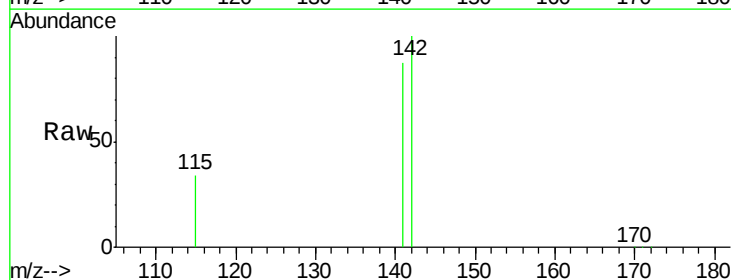
Tgt Ion:142 Resp: 22284

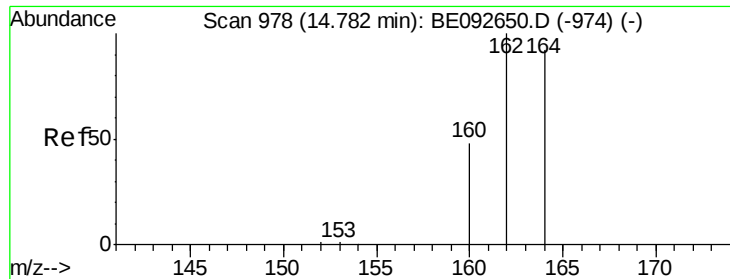
Ion Ratio Lower Upper

142 100

141 87.1 73.7 110.5

115 34.1 34.0 51.0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

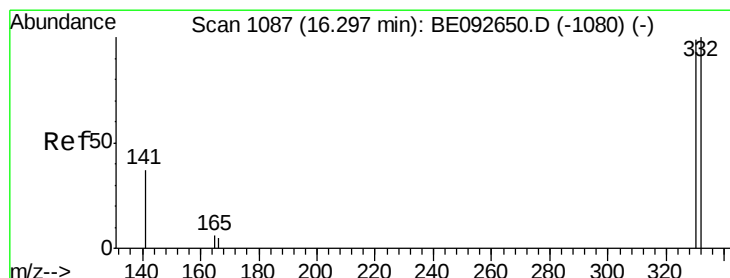
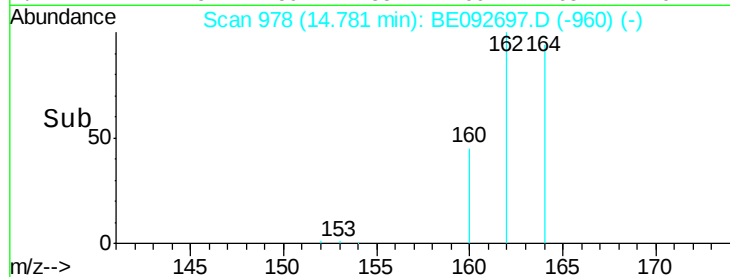
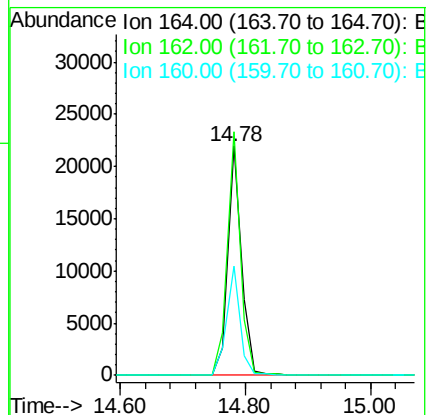
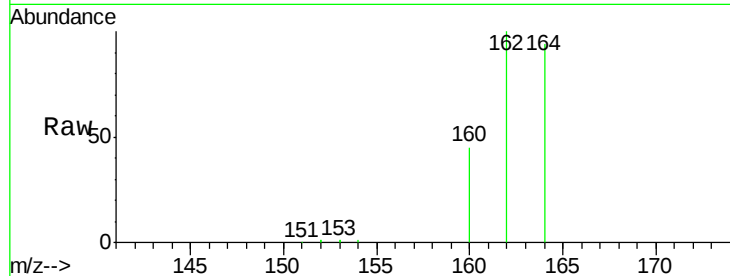
Tgt Ion:164 Resp: 33190

Ion Ratio Lower Upper

164 100

162 106.2 71.4 107.0

160 47.6 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 9.84 ng

RT: 16.27 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

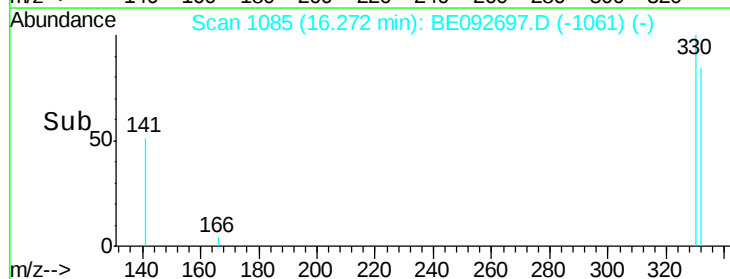
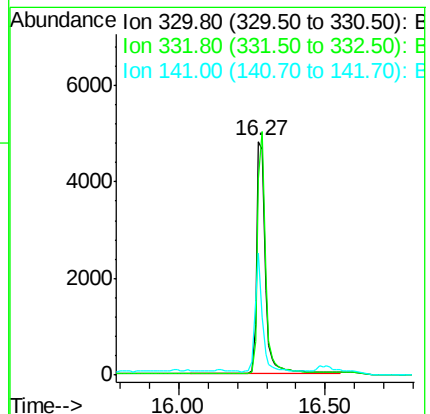
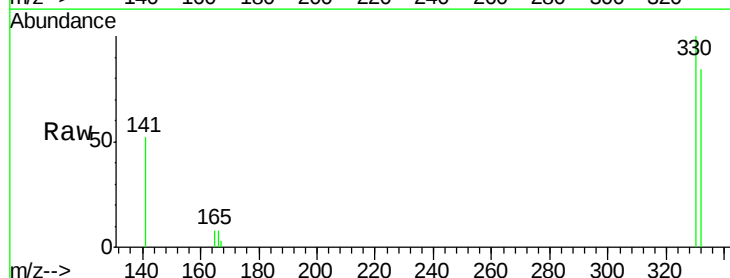
Tgt Ion:330 Resp: 9668

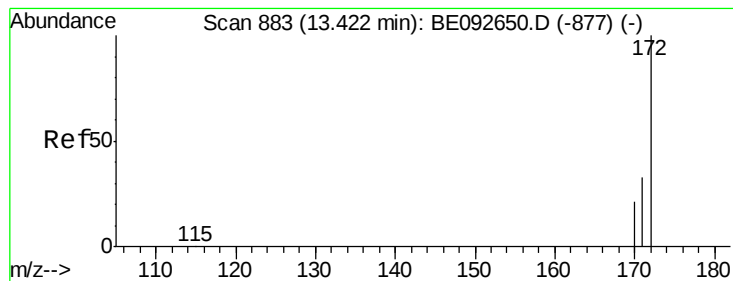
Ion Ratio Lower Upper

330 100

332 97.4 75.4 113.0

141 44.3 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 5.06 ng

RT: 13.40 min Scan# 881

Delta R.T. -0.02 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

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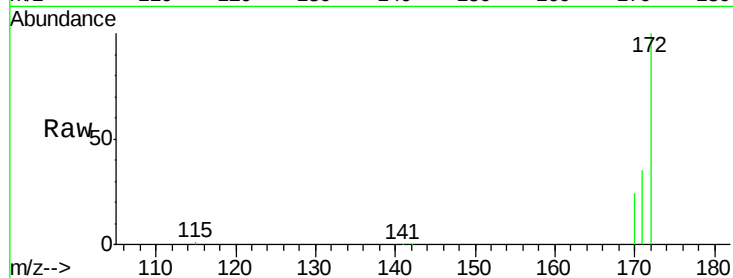
Tgt Ion:172 Resp: 41297

Ion Ratio Lower Upper

172 100

171 35.2 30.1 45.1

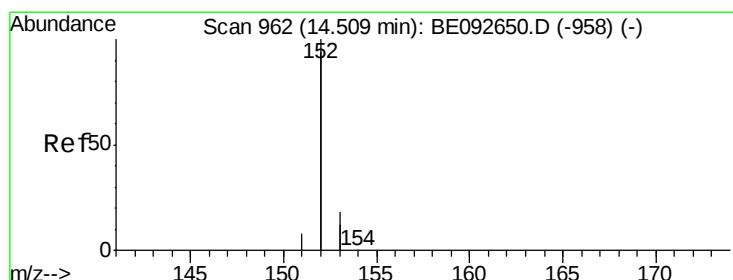
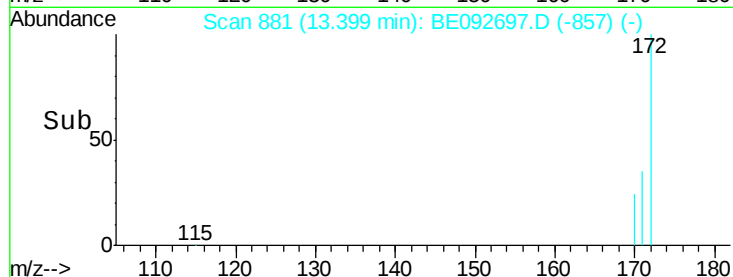
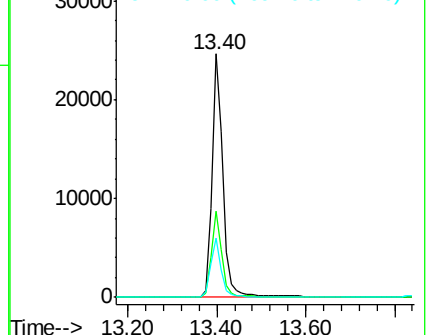
170 24.2 21.8 32.6



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



#15

Acenaphthylene

Concen: 0.28 ng

RT: 14.49 min Scan# 961

Delta R.T. -0.02 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

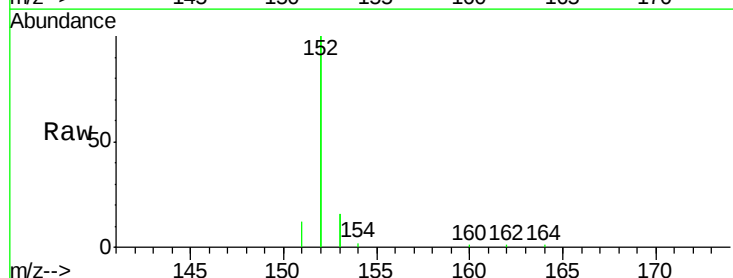
Tgt Ion:152 Resp: 12834

Ion Ratio Lower Upper

152 100

151 5.4 3.9 5.9

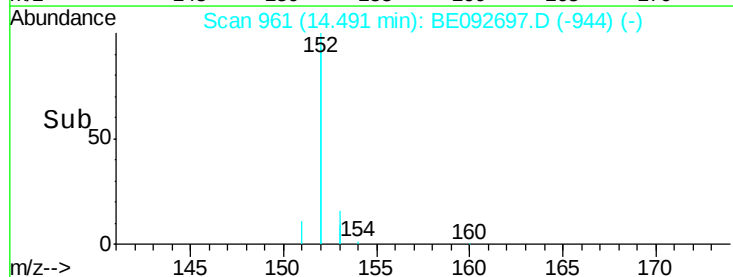
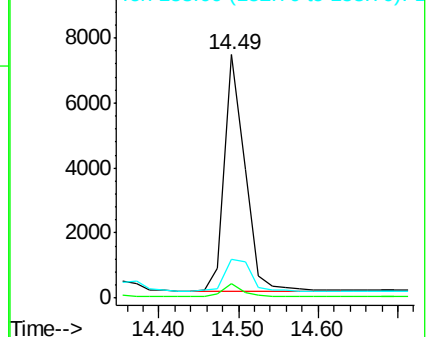
153 17.4 10.4 15.6#

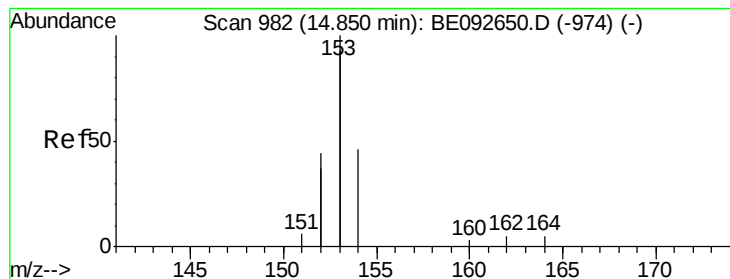


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#16

Acenaphthene

Concen: 4.41 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

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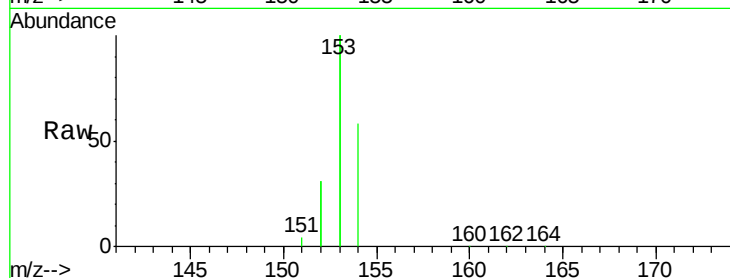
Tgt Ion:154 Resp: 32326

Ion Ratio Lower Upper

154 100

153 447.4 350.8 526.2

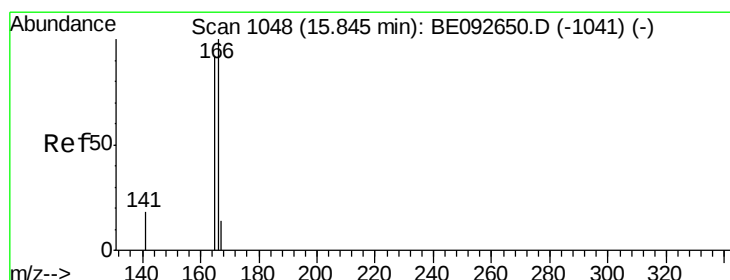
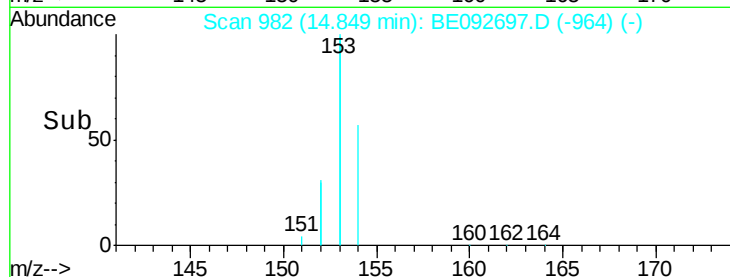
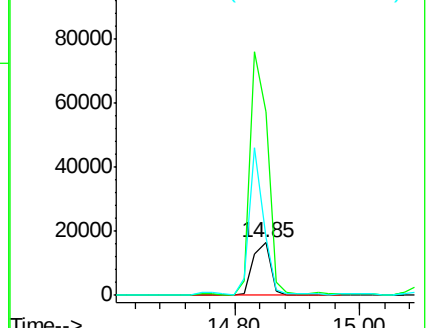
152 223.4 171.1 256.7



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



#17

Fluorene

Concen: 2.46 ng

RT: 15.83 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

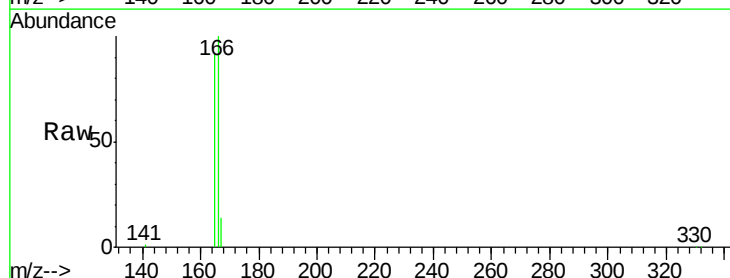
Tgt Ion:166 Resp: 22630

Ion Ratio Lower Upper

166 100

165 98.8 78.2 117.4

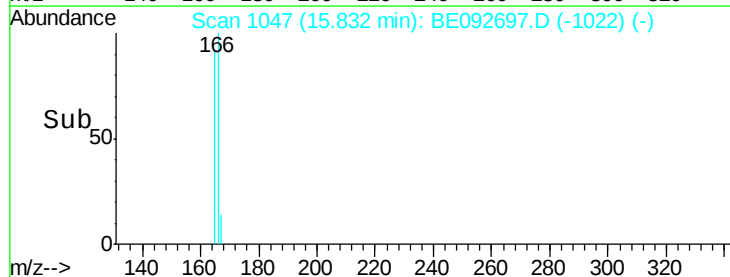
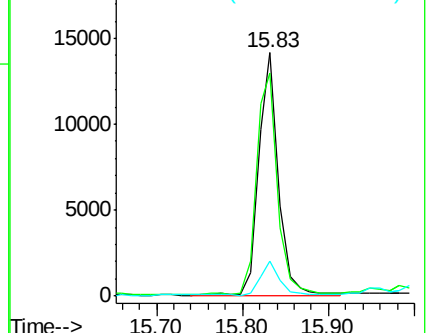
167 13.7 11.0 16.4

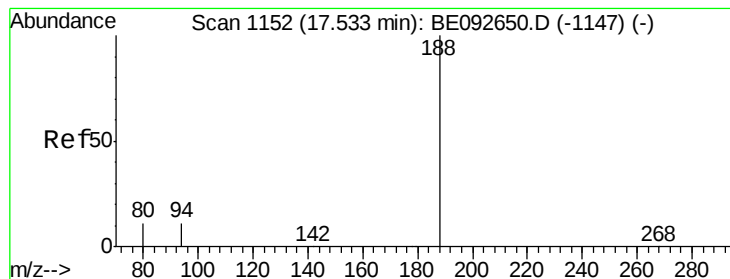


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

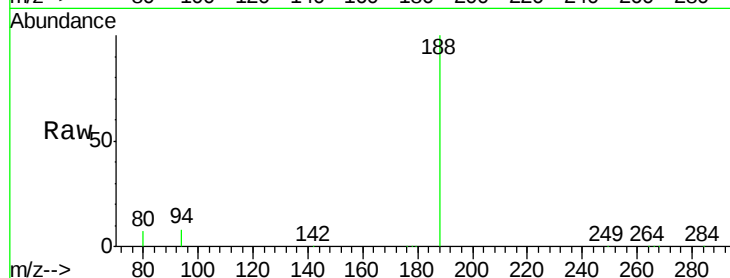
Tgt Ion:188 Resp: 75475

Ion Ratio Lower Upper

188 100

94 7.9 3.2 4.8#

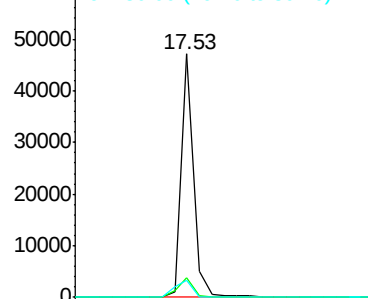
80 7.1 2.6 3.8#



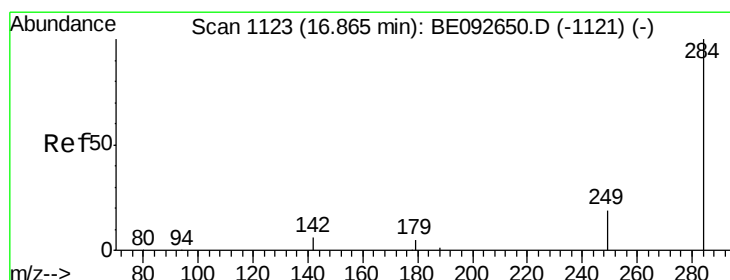
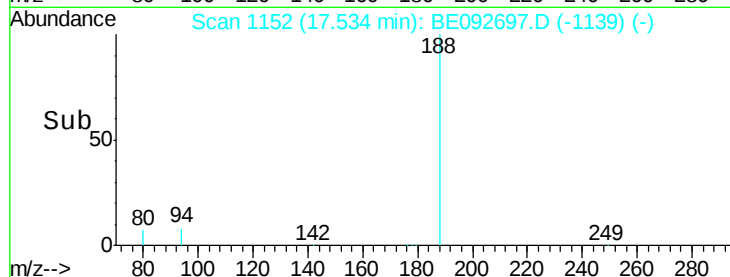
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#19

Hexachlorobenzene

Concen: 0.10 ng

RT: 16.68 min Scan# 1115

Delta R.T. -0.18 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

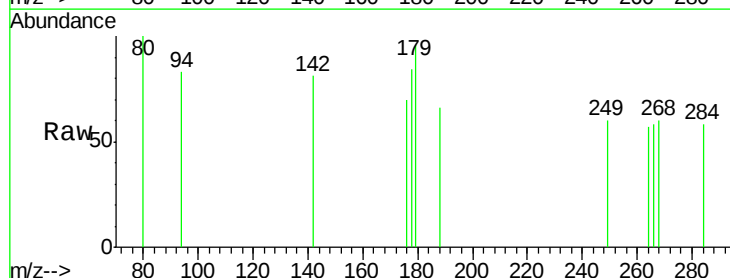
Tgt Ion:284 Resp: 475

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

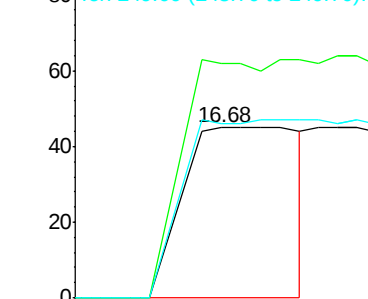
249 0.0 27.9 41.9#



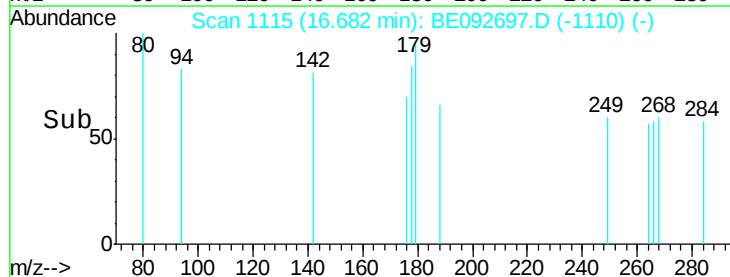
Abundance Ion 283.80 (283.50 to 284.50): E

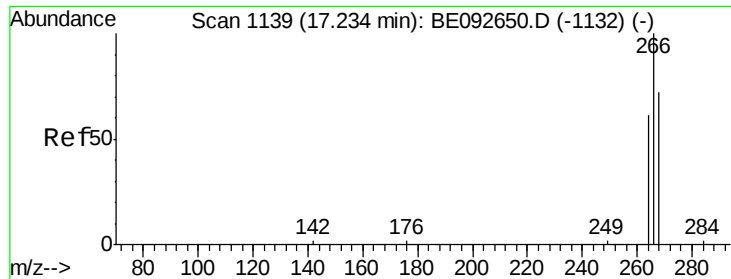
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->

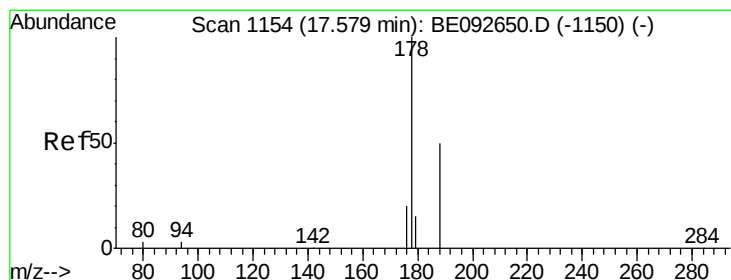
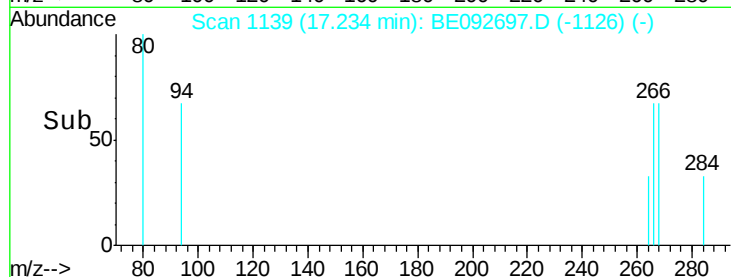
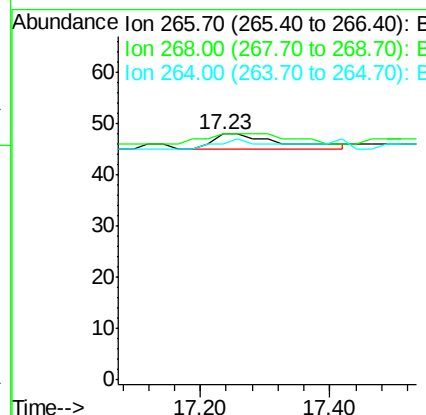
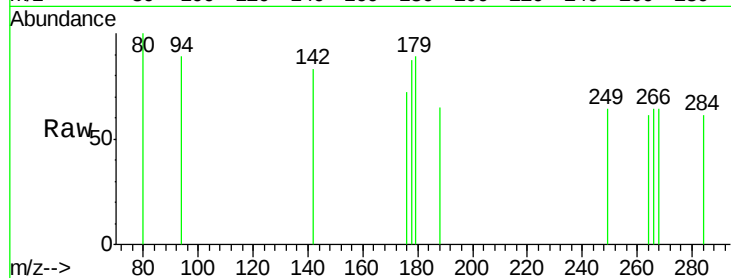




#20
 Pentachlorophenol
 Concen: 0.03 ng
 RT: 17.23 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: BE092697.D
 Acq: 31 Jan 2017 21:29

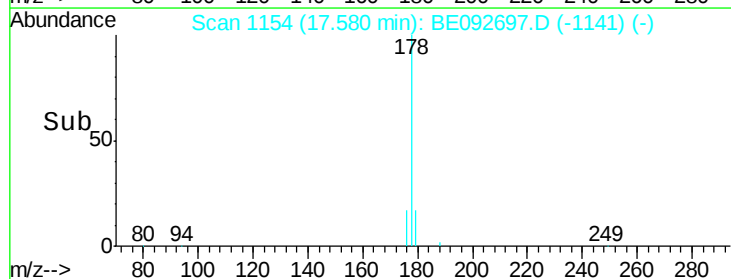
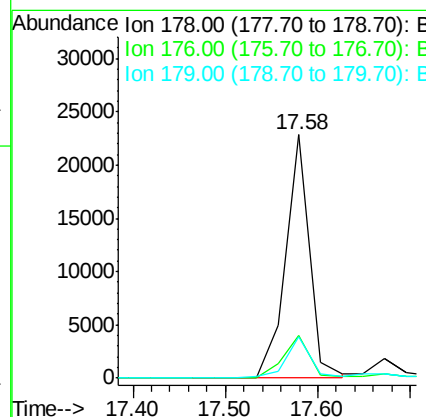
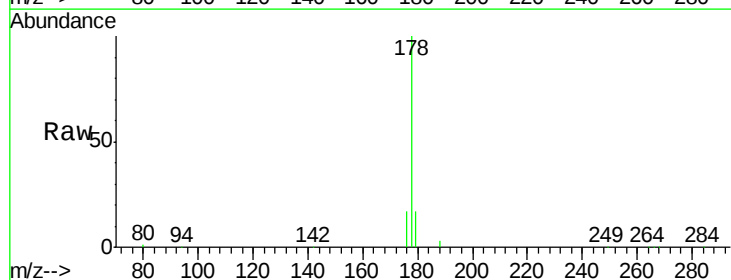
Instrument :
 BNA_E
 ClientSampleId :
 SB-01B

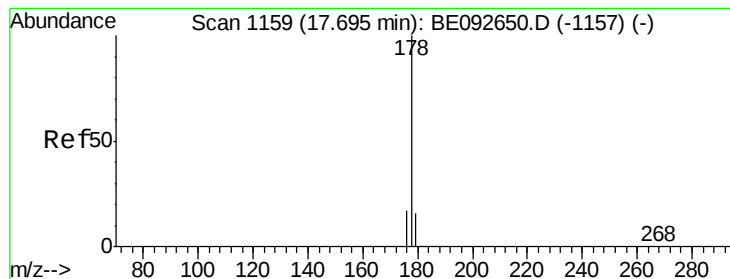
Tgt Ion: 266 Resp: 22
 Ion Ratio Lower Upper
 266 100
 268 100.0 62.5 93.7#
 264 95.8 57.2 85.8#



#21
 Phenanthrene
 Concen: 2.45 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE092697.D
 Acq: 31 Jan 2017 21:29

Tgt Ion: 178 Resp: 40818
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 16.3 16.0 24.0





#22

Anthracene

Concen: 2.66 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.11 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

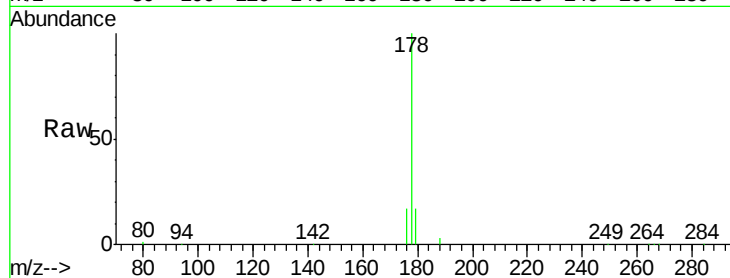
Tgt Ion:178 Resp: 40818

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

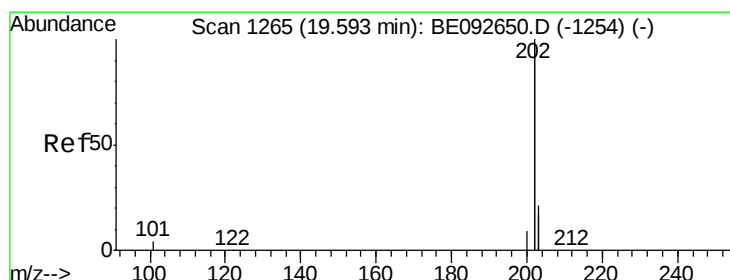
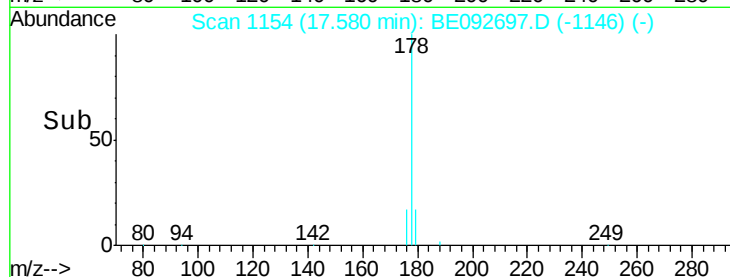
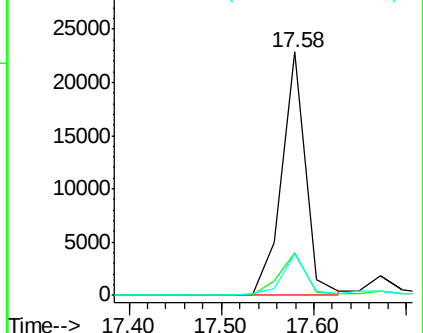
179 16.3 12.2 18.2



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



#23

Fluoranthene

Concen: 0.42 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

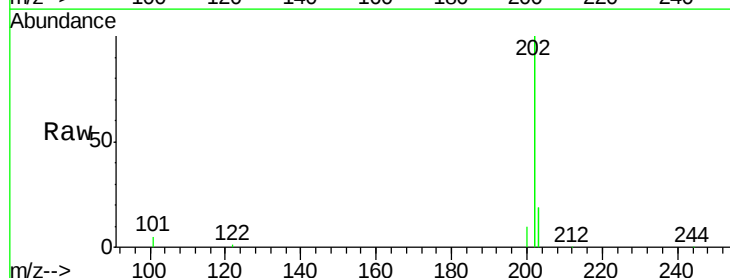
Tgt Ion:202 Resp: 31214

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

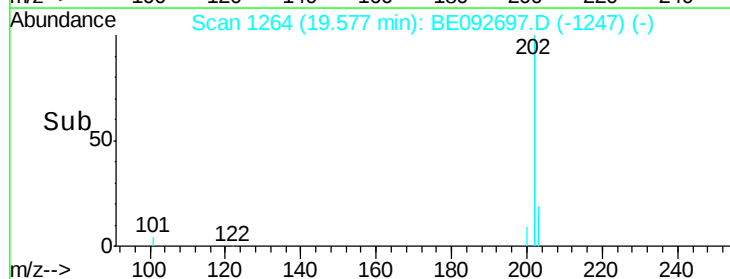
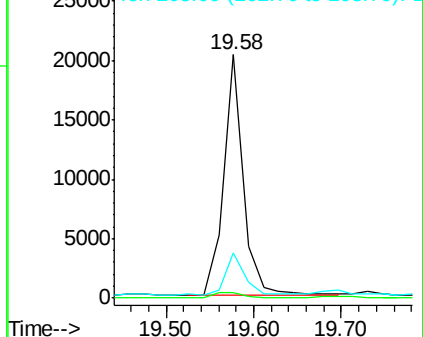
203 17.2 13.7 20.5

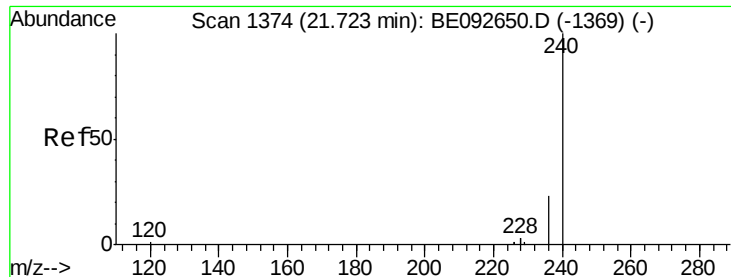


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

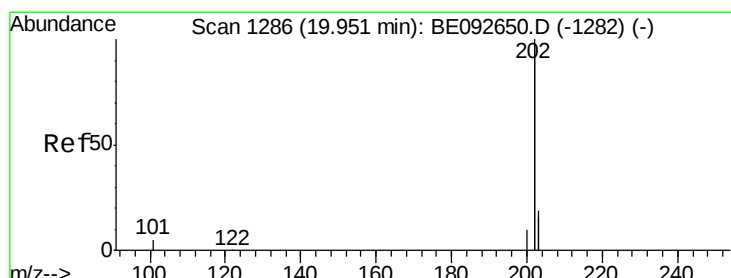
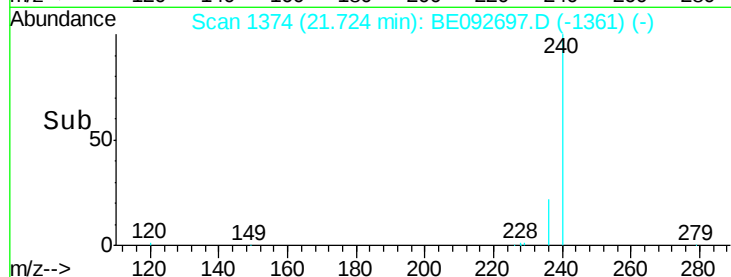
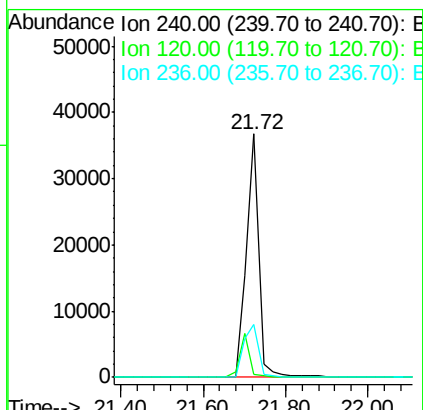
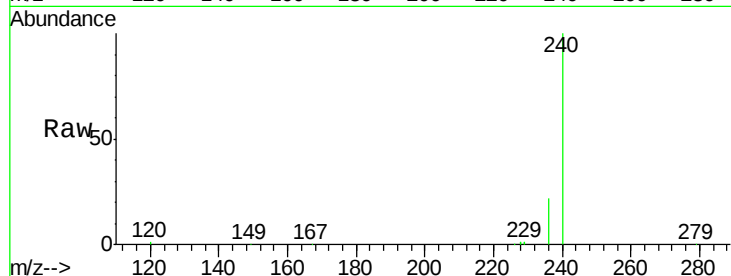




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092697.D
Acq: 31 Jan 2017 21:29

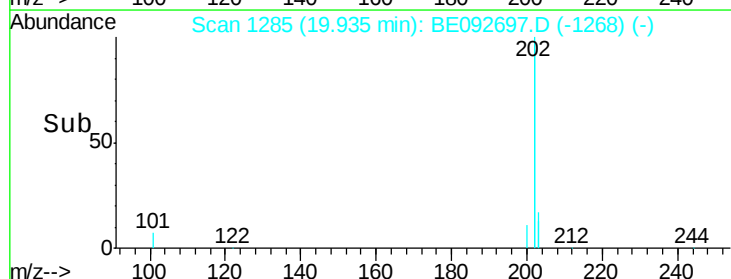
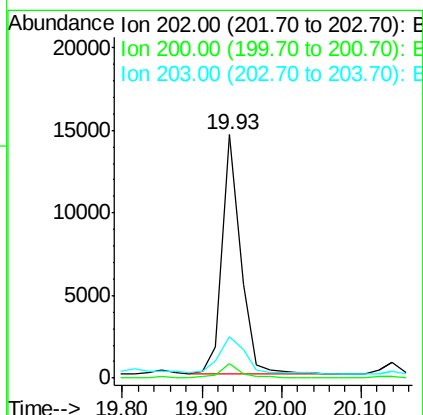
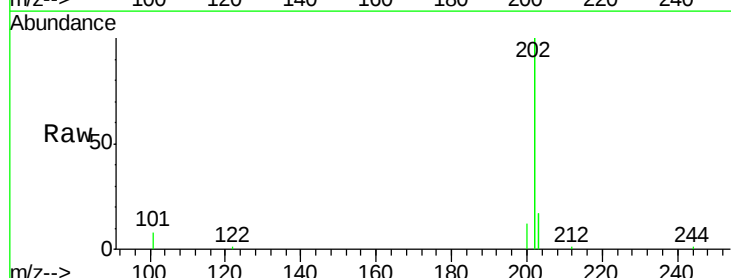
Instrument :
BNA_E
ClientSampleId :
SB-01B

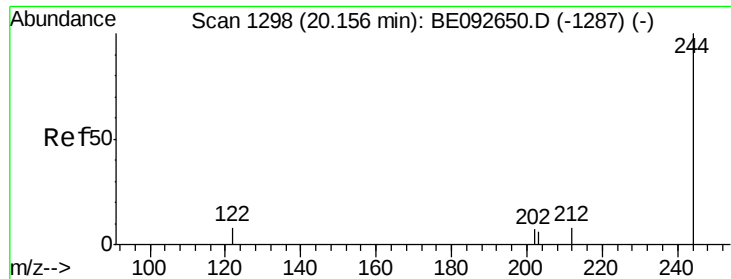
Tgt Ion:240 Resp: 76026
Ion Ratio Lower Upper
240 100
120 1.1 2.6 4.0#
236 21.8 24.6 37.0#



#25
Pyrene
Concen: 0.31 ng
RT: 19.93 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BE092697.D
Acq: 31 Jan 2017 21:29

Tgt Ion:202 Resp: 23128
Ion Ratio Lower Upper
202 100
200 5.5 4.2 6.4
203 21.6 13.9 20.9#

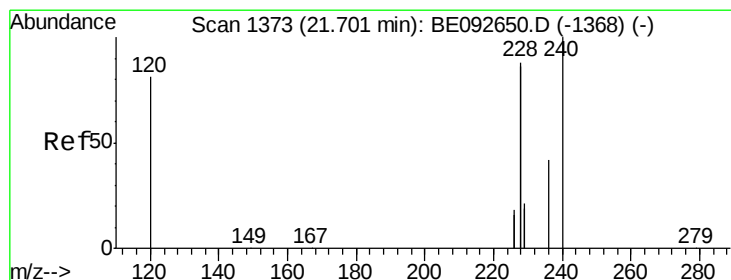
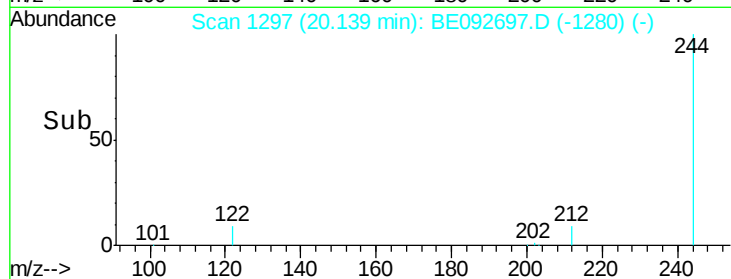
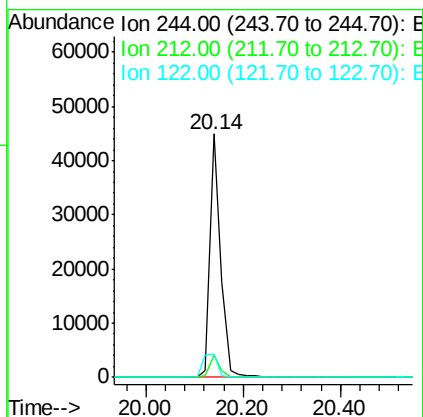
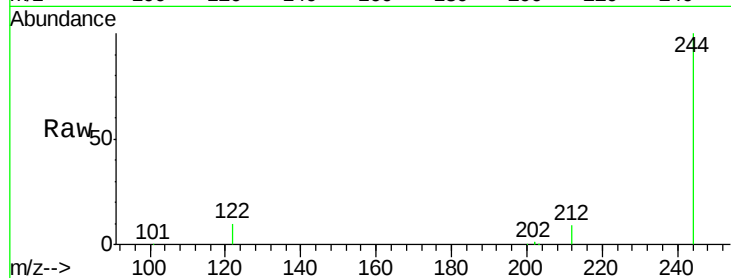




#26
 Terphenyl-d14
 Concen: 6.30 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092697.D
 Acq: 31 Jan 2017 21:29

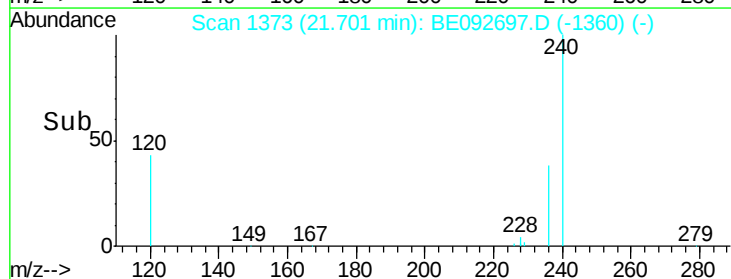
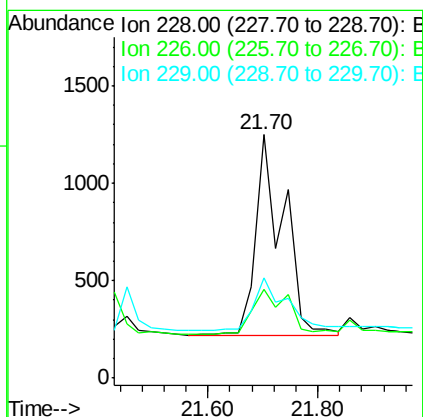
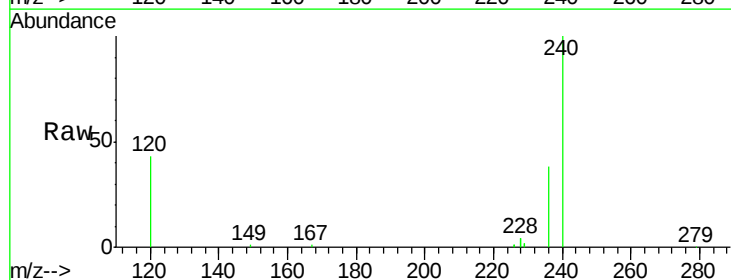
Instrument :
 BNA_E
 ClientSampleId :
 SB-01B

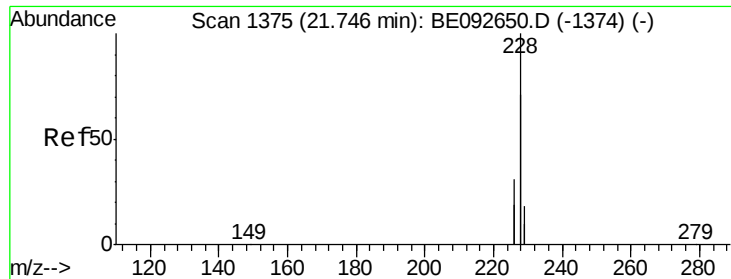
Tgt Ion: 244 Resp: 67674
 Ion Ratio Lower Upper
 244 100
 212 9.3 6.7 10.1
 122 9.6 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092697.D
 Acq: 31 Jan 2017 21:29

Tgt Ion: 228 Resp: 3641
 Ion Ratio Lower Upper
 228 100
 226 36.5 23.6 35.4#
 229 41.1 13.3 19.9#





#28

Chrysene

Concen: 0.04 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.05 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B

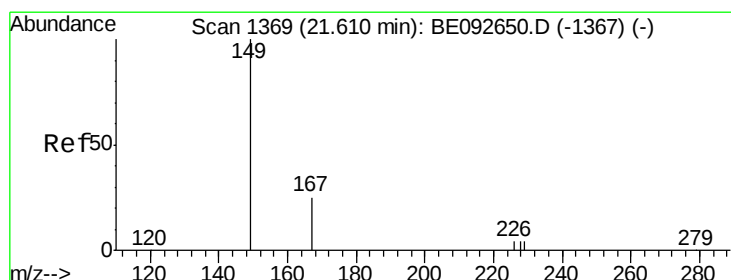
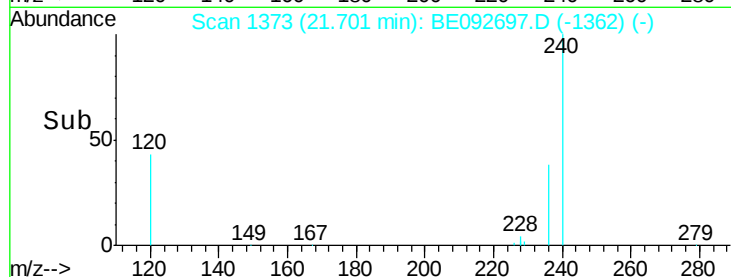
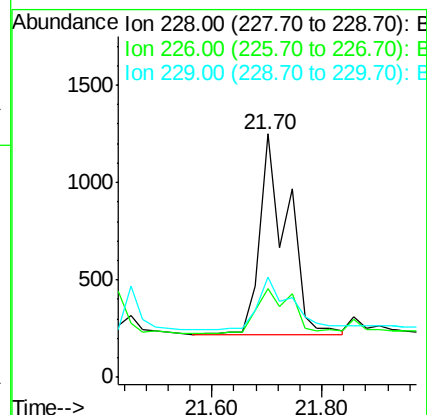
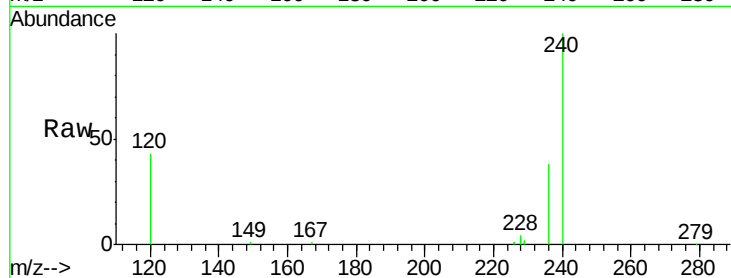
Tgt Ion:228 Resp: 3641

Ion Ratio Lower Upper

228 100

226 36.5 36.3 54.5

229 41.1 10.6 16.0#



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.36 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092697.D

Acq: 31 Jan 2017 21:29

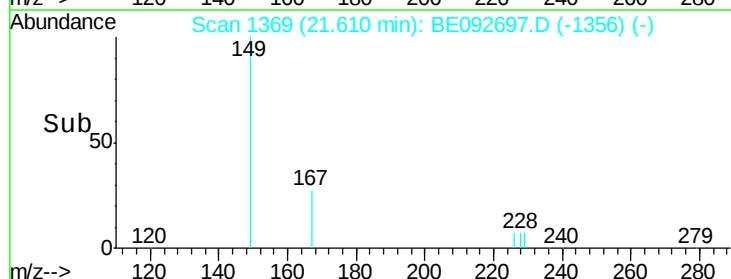
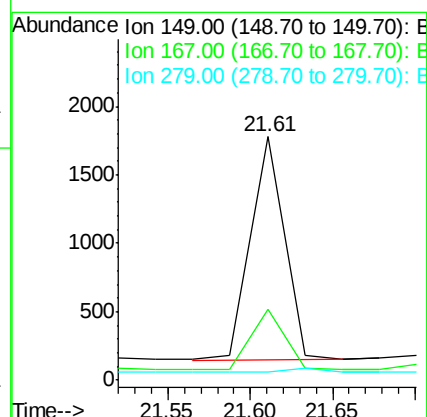
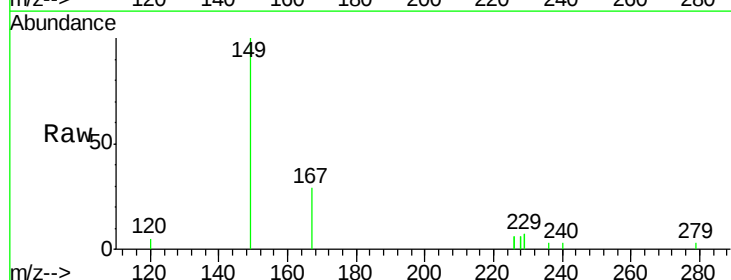
Tgt Ion:149 Resp: 2297

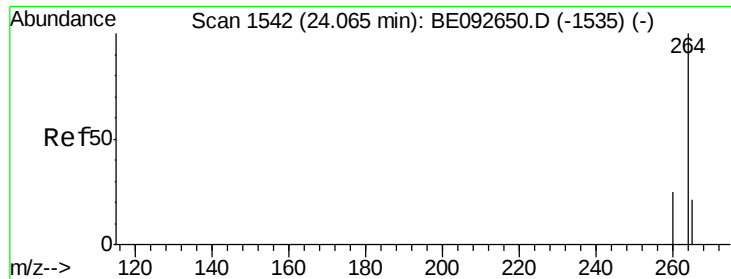
Ion Ratio Lower Upper

149 100

167 27.3 16.0 24.0#

279 0.0 16.0 24.0#





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.07 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BE092697.D

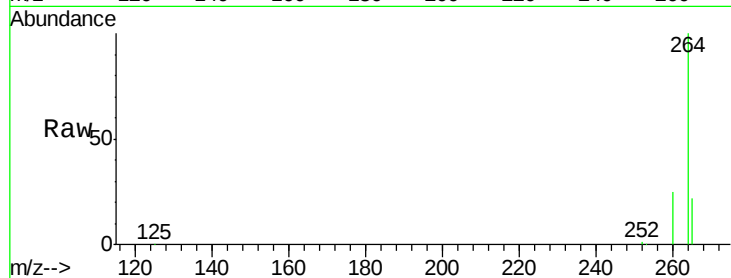
Acq: 31 Jan 2017 21:29

Instrument :

BNA_E

ClientSampleId :

SB-01B



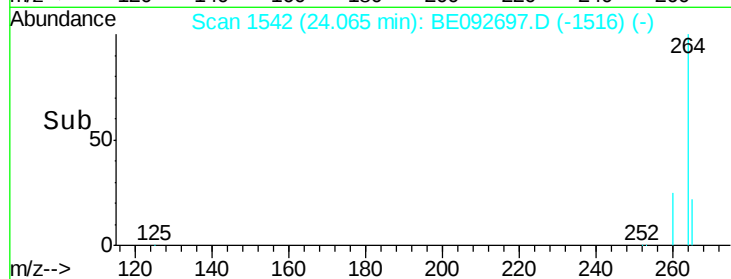
Tgt Ion: 264 Resp: 79351

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

265 22.1 17.9 26.9



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

