

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
 Data File : BE092247.D
 Acq On : 10 Aug 2016 10:28
 Operator : UM/SJ
 Sample : PB92747BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92747BS

Quant Time: Aug 10 18:43:36 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 11:12:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	14051	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	60296	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	30240	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	64424	5.00	ng	0.00
24) Chrysene-d12	21.73	240	55902	5.00	ng	-0.02
31) Perylene-d12	24.12	264	65815	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	23013	7.49	ng	0.00
5) Phenol-d6	7.34	99	29821	6.74	ng	-0.02
8) Nitrobenzene-d5	9.34	82	14052	3.30	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	5966	5.14	ng	-0.01
14) 2-Fluorobiphenyl	13.46	172	29869	3.20	ng	-0.01
26) Terphenyl-d14	20.19	244	30388	3.22	ng	0.00

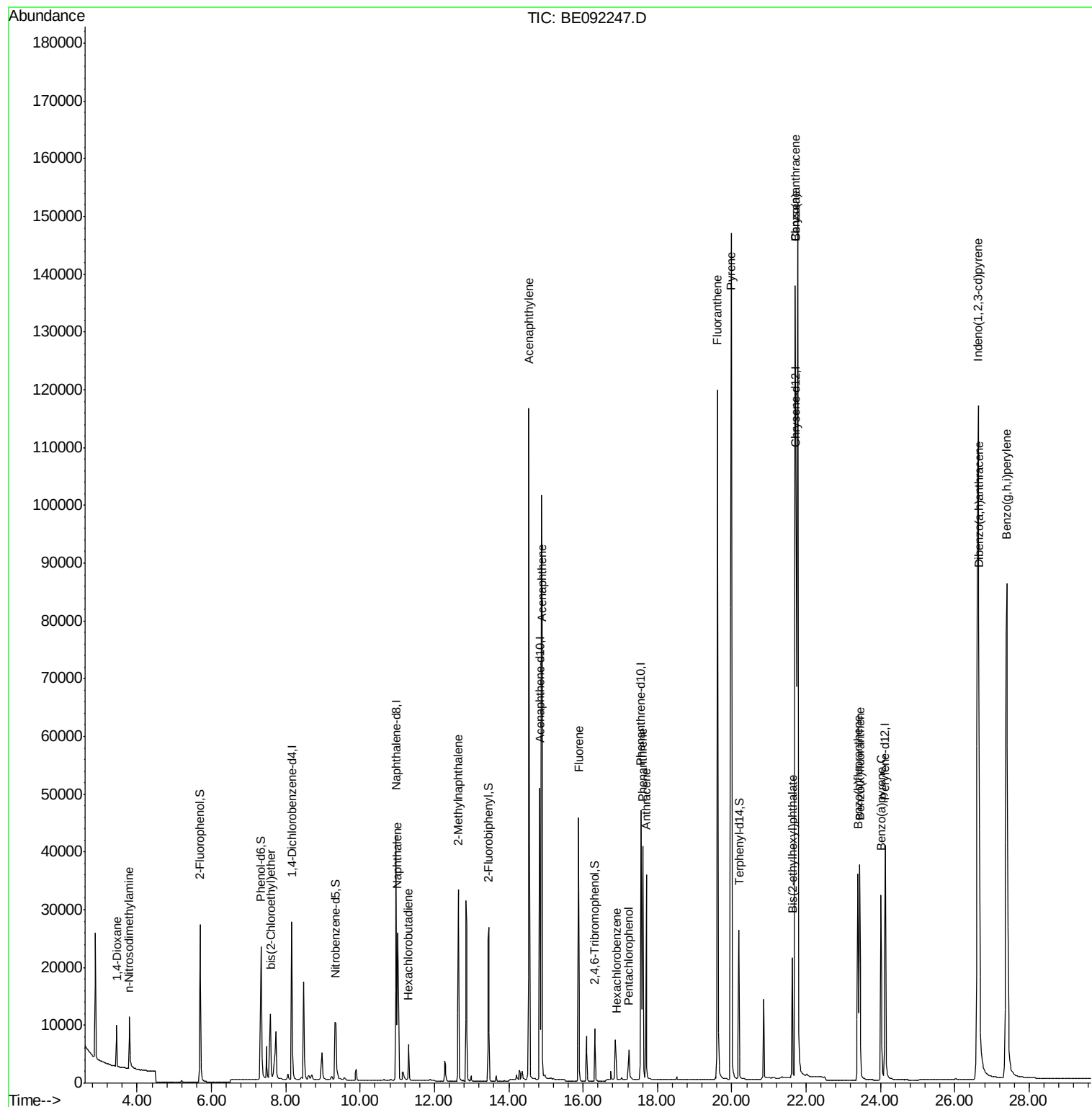
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	4332	2.71	ng	# 88
3) n-Nitrosodimethylamine	3.78	42	7638	3.00	ng	# 99
6) bis(2-Chloroethyl)ether	7.59	93	11623	3.24	ng	# 33
9) Naphthalene	11.01	128	39759	2.94	ng	# 95
10) Hexachlorobutadiene	11.30	225	5951	3.05	ng	98
11) 2-Methylnaphthalene	12.64	142	26746	3.17	ng	94
15) Acenaphthylene	14.54	152	155249	2.97	ng	99
16) Acenaphthene	14.90	154	23674	2.82	ng	97
17) Fluorene	15.88	166	29574	2.92	ng	99
19) Hexachlorobenzene	16.89	284	7693	3.01	ng	# 100
20) Pentachlorophenol	17.24	266	5223	6.59	ng	# 80
21) Phenanthrene	17.60	178	48896	2.93	ng	100
22) Anthracene	17.70	178	45184	3.00	ng	98
23) Fluoranthene	19.61	202	191732	2.90	ng	99
25) Pyrene	19.99	202	202215	3.06	ng	99
27) Benzo(a)anthracene	21.70	228	221672	3.30	ng	# 64
28) Chrysene	21.70	228	221650	3.57	ng	# 71
29) Bis(2-ethylhexyl)phthalate	21.63	149	22525	2.16	ng	# 94
30) Indeno(1,2,3-cd)pyrene	26.63	276	257925	3.86	ng	99
32) Benzo(b)fluoranthene	23.39	252	56499	3.27	ng	# 97
33) Benzo(k)fluoranthene	23.44	252	50665	2.91	ng	# 96
34) Benzo(a)pyrene	24.02	252	51157	3.14	ng	# 93
35) Dibenzo(a,h)anthracene	26.65	278	53999	3.56	ng	# 93
36) Benzo(g,h,i)perylene	27.40	276	224180	3.44	ng	95

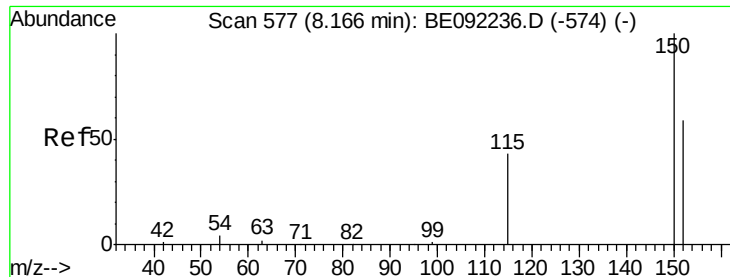
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

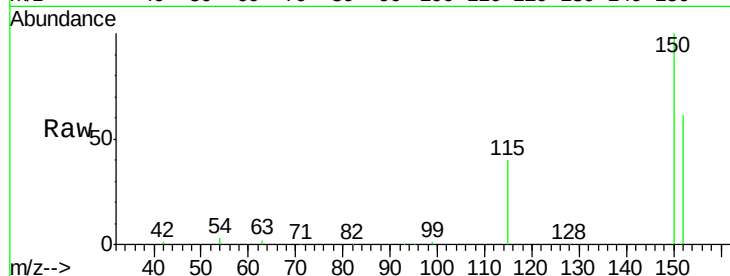
Tgt Ion:152 Resp: 14051

Ion Ratio Lower Upper

152 100

150 162.7 135.6 203.4

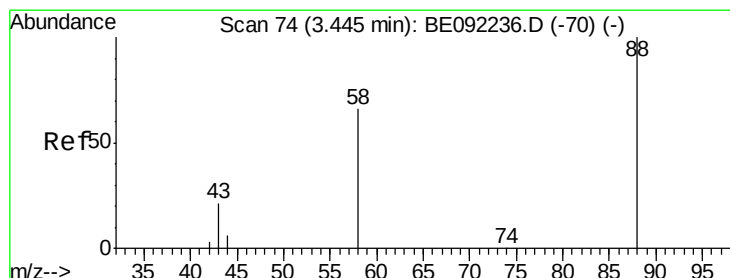
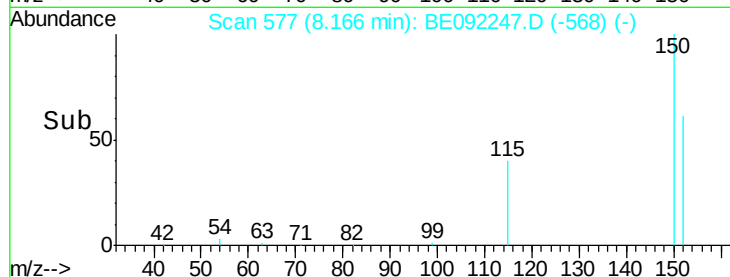
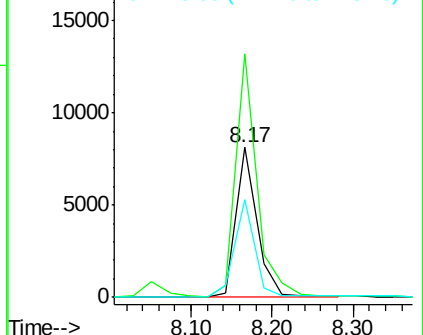
115 65.7 59.4 89.0



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: 2.71 ng

RT: 3.44 min Scan# 74

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

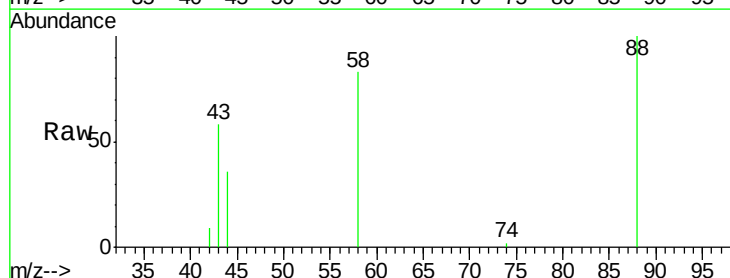
Tgt Ion: 88 Resp: 4332

Ion Ratio Lower Upper

88 100

58 90.3 64.4 96.6

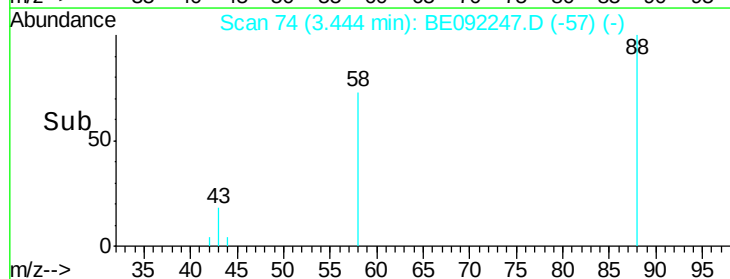
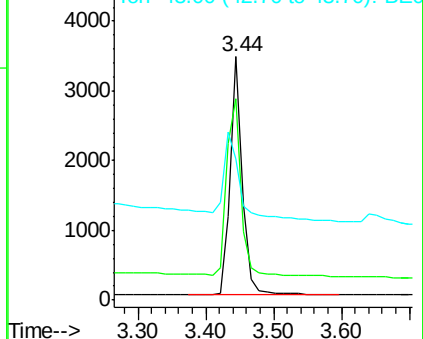
43 51.3 33.4 50.2#

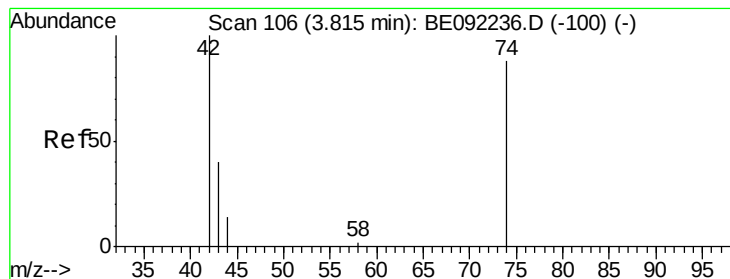


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.00 ng

RT: 3.78 min Scan# 103

Delta R.T. -0.03 min

Lab File: BE092247.D

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Instrument :

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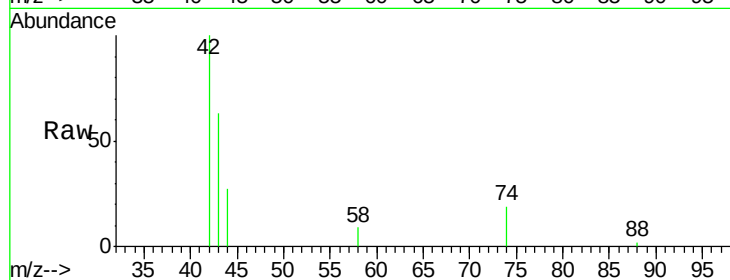
Tgt Ion: 42 Resp: 7638

Ion Ratio Lower Upper

42 100

74 97.4 77.2 115.8

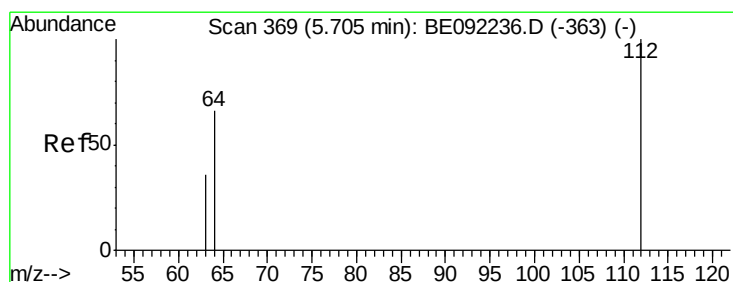
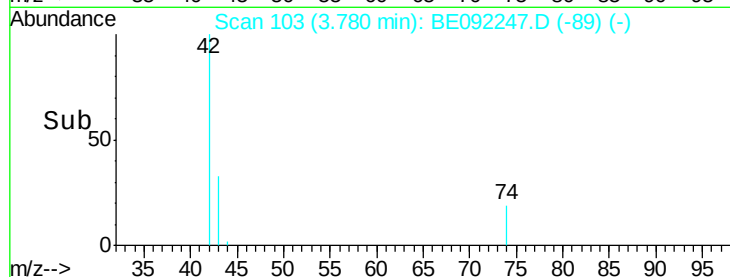
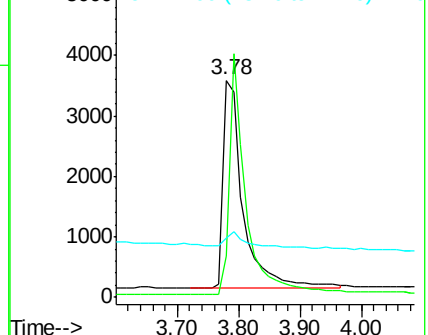
44 9.8 5.0 7.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 7.49 ng

RT: 5.70 min Scan# 368

Delta R.T. -0.01 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

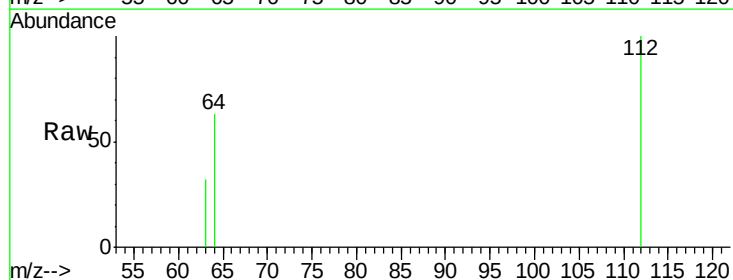
Tgt Ion: 112 Resp: 23013

Ion Ratio Lower Upper

112 100

64 67.0 53.2 79.8

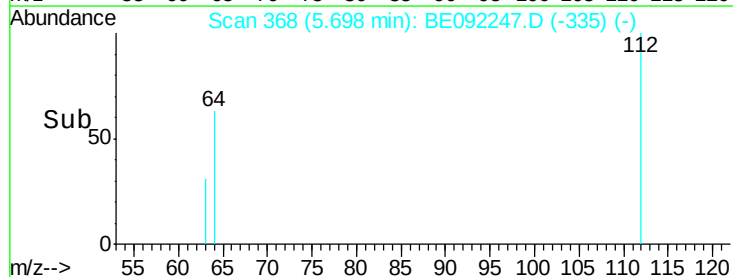
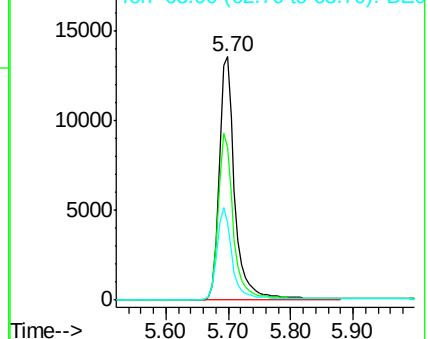
63 36.7 27.4 41.2

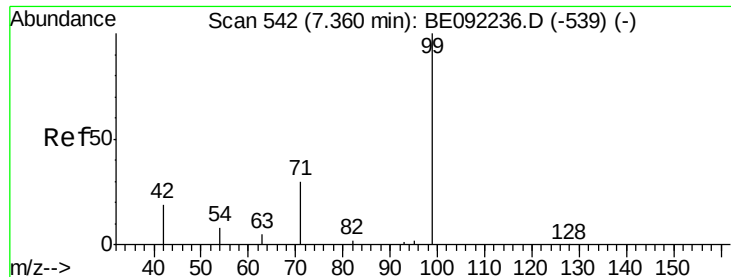


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.74 ng

RT: 7.34 min Scan# 541

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

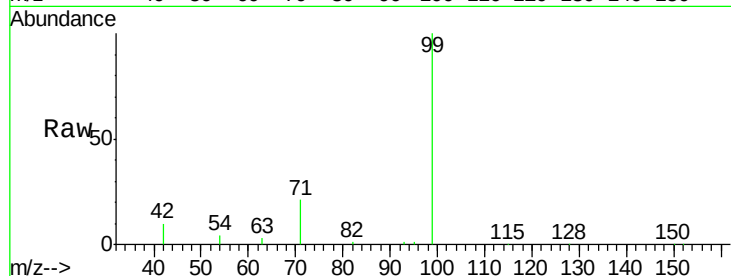
Tgt Ion: 99 Resp: 29821

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

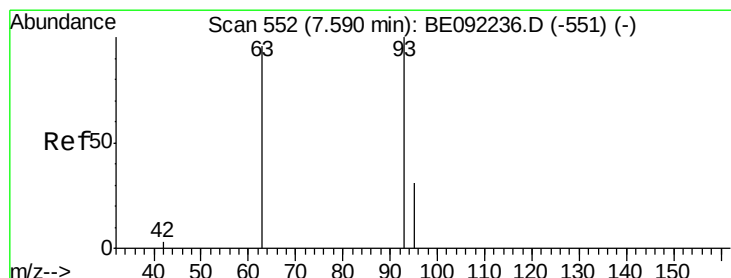
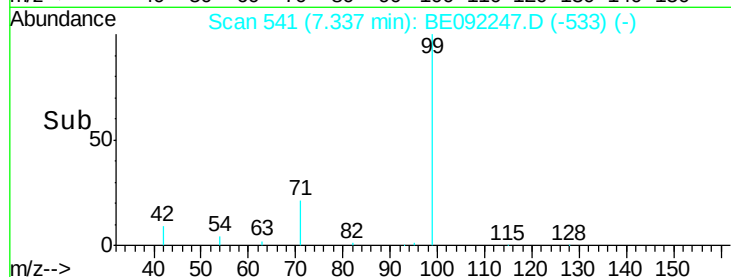
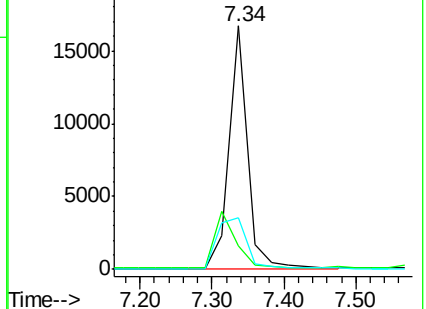
71 33.3 29.8 44.8



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



#6

bis(2-Chloroethyl)ether

Concen: 3.24 ng

RT: 7.59 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

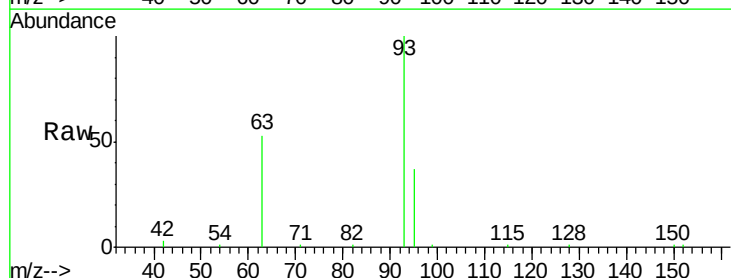
Tgt Ion: 93 Resp: 11623

Ion Ratio Lower Upper

93 100

63 0.0 68.5 102.7#

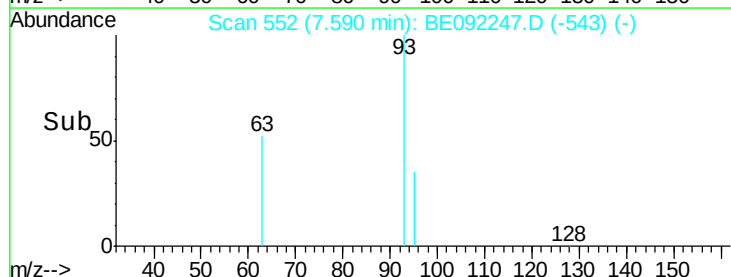
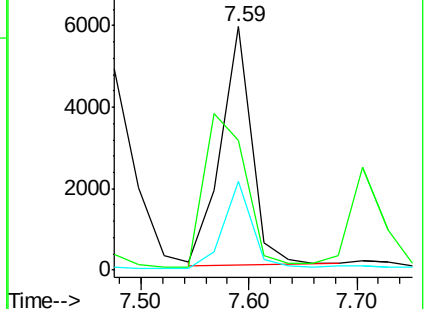
95 33.5 27.2 40.8

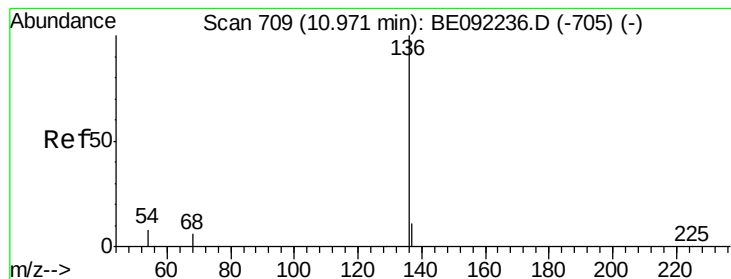


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

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ClientSampleId :

PB92747BS

Tgt Ion:136 Resp: 60296

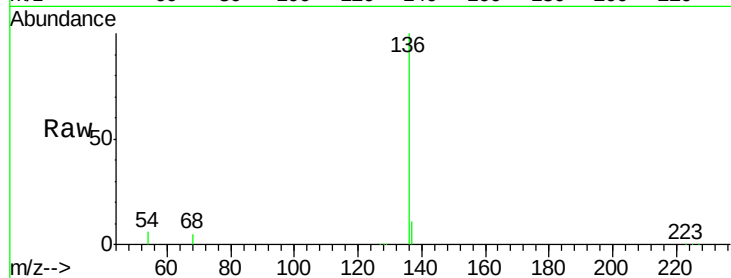
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.2 6.2 9.4#

68 4.7 4.6 6.8

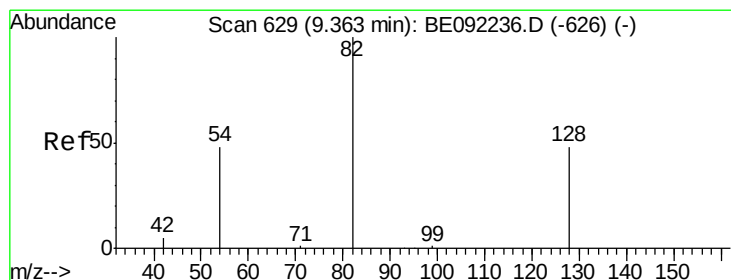
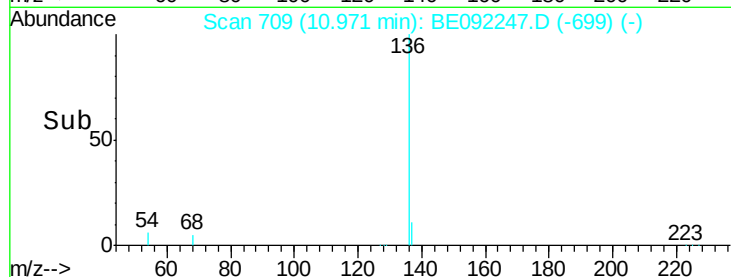
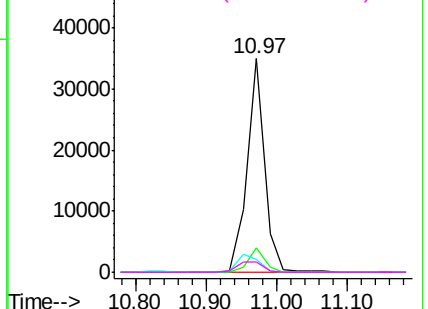


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.30 ng

RT: 9.34 min Scan# 628

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

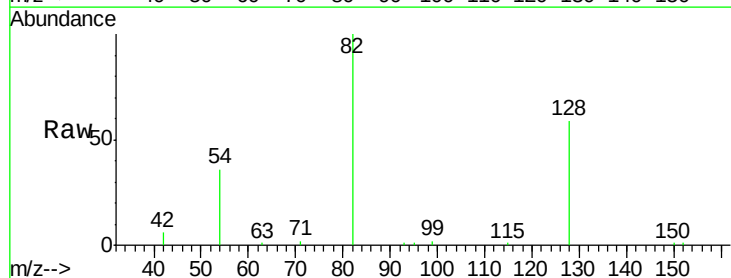
Tgt Ion: 82 Resp: 14052

Ion Ratio Lower Upper

82 100

128 59.2 45.0 67.4

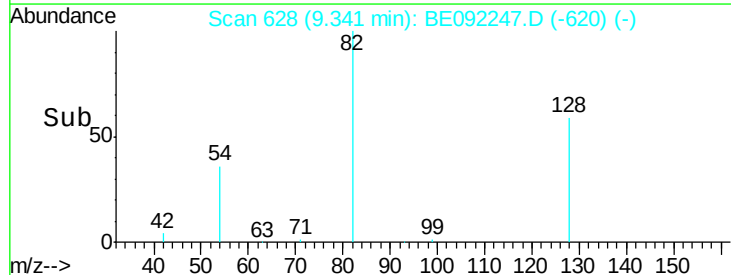
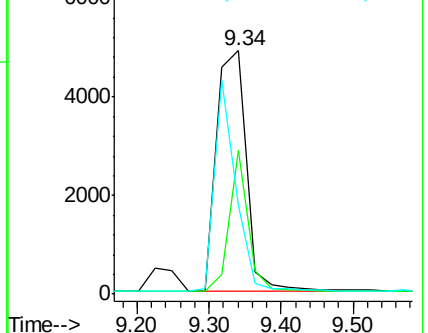
54 36.4 45.4 68.2#

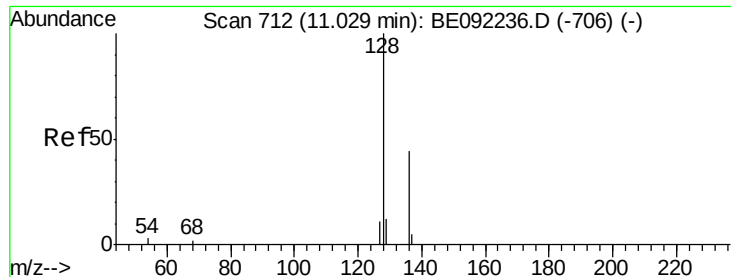


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 2.94 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.02 min

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Acq: 10 Aug 2016 10:28

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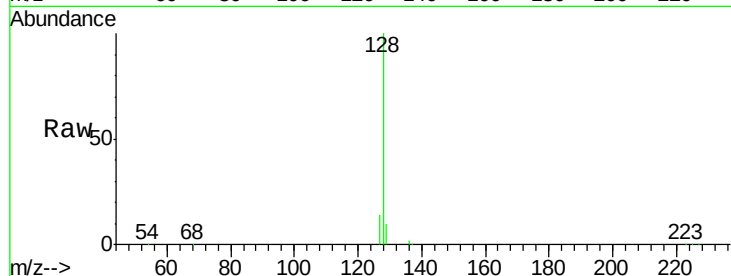
Tgt Ion:128 Resp: 39759

Ion Ratio Lower Upper

128 100

129 10.4 11.5 17.3#

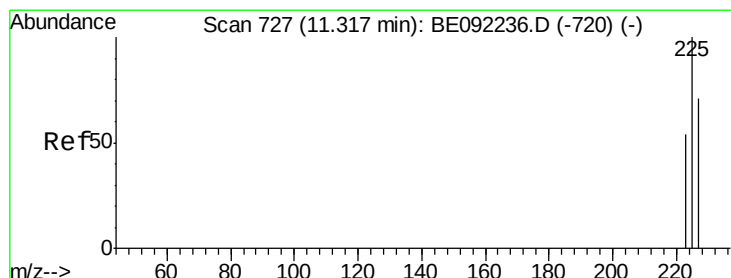
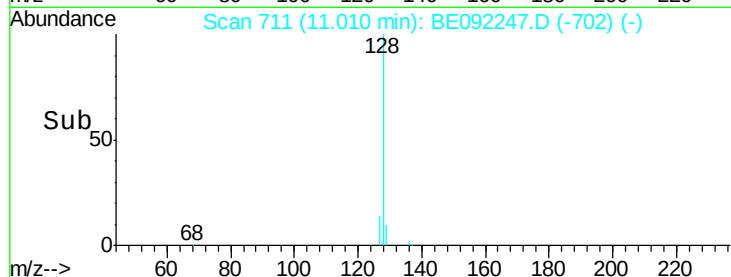
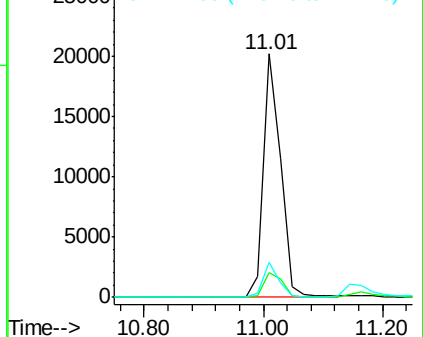
127 14.2 11.0 16.6



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: 3.05 ng

RT: 11.30 min Scan# 726

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

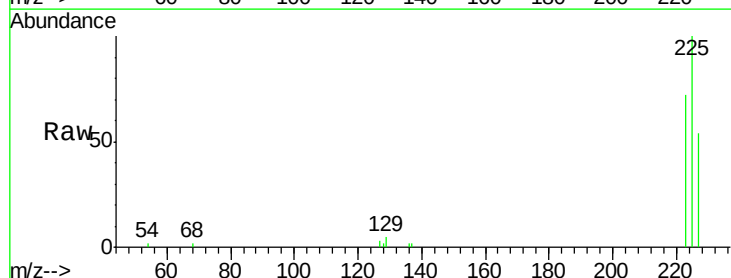
Tgt Ion:225 Resp: 5951

Ion Ratio Lower Upper

225 100

223 62.8 52.2 78.4

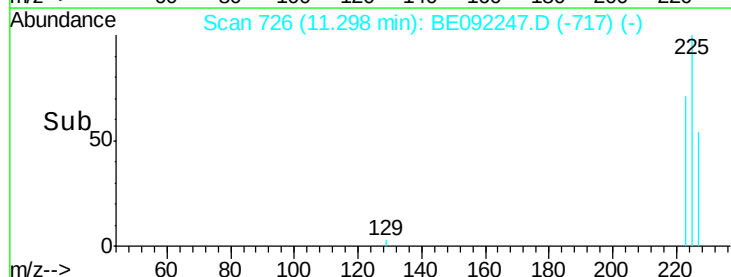
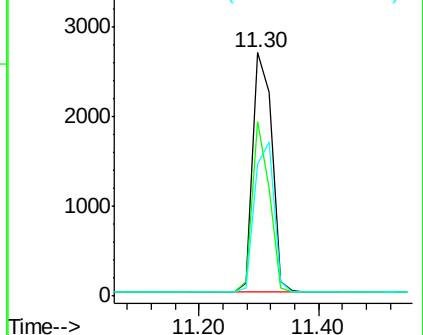
227 63.7 51.0 76.6

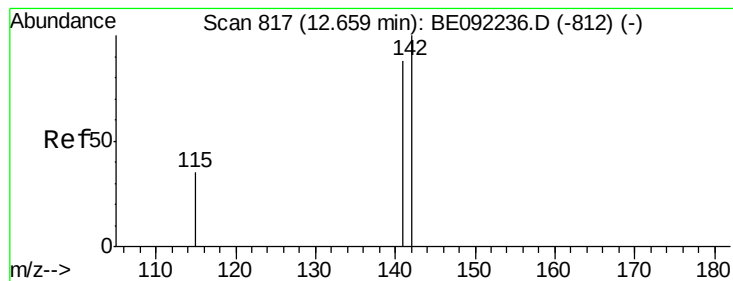


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.17 ng

RT: 12.64 min Scan# 815

Delta R.T. -0.02 min

Lab File: BE092247.D

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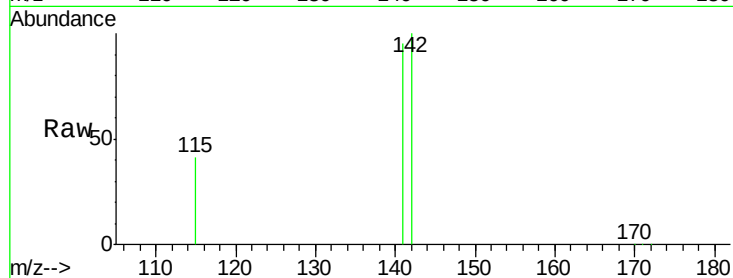
Tgt Ion:142 Resp: 26746

Ion Ratio Lower Upper

142 100

141 95.2 70.6 105.8

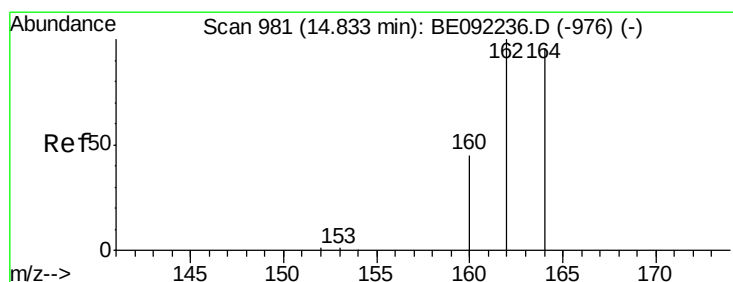
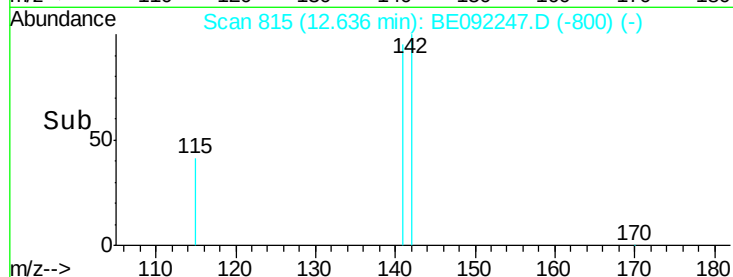
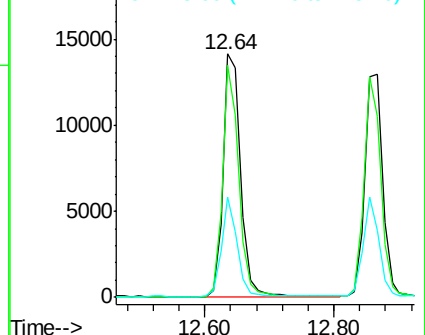
115 41.1 31.0 46.4



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

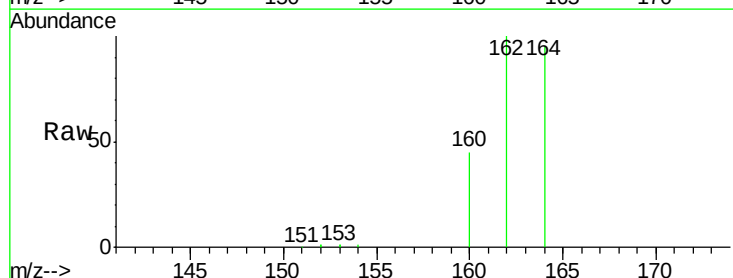
Tgt Ion:164 Resp: 30240

Ion Ratio Lower Upper

164 100

162 105.4 83.3 124.9

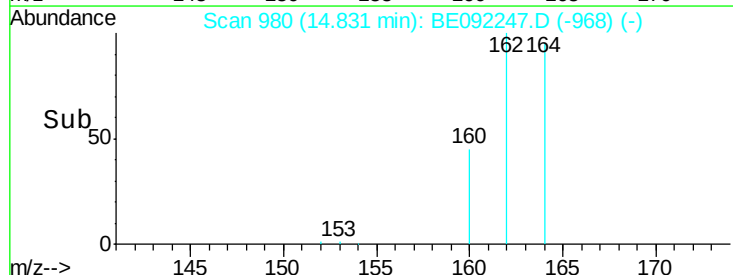
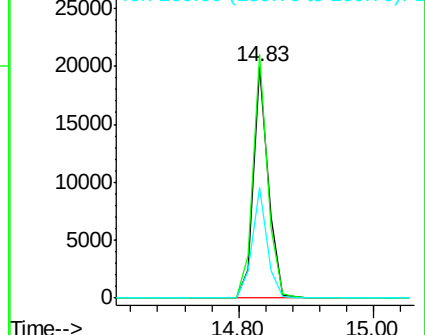
160 47.9 38.0 57.0

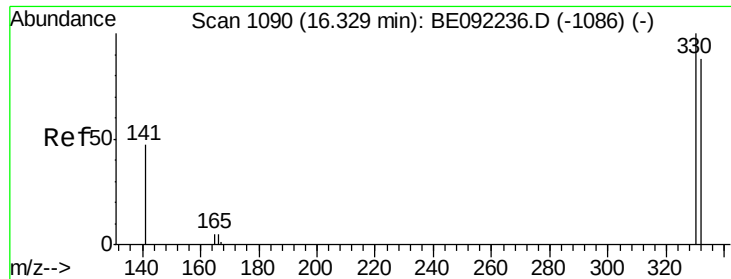


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

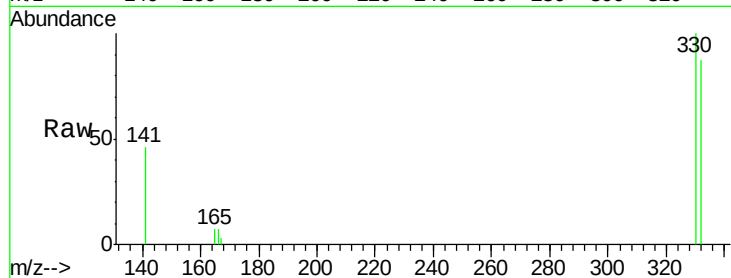




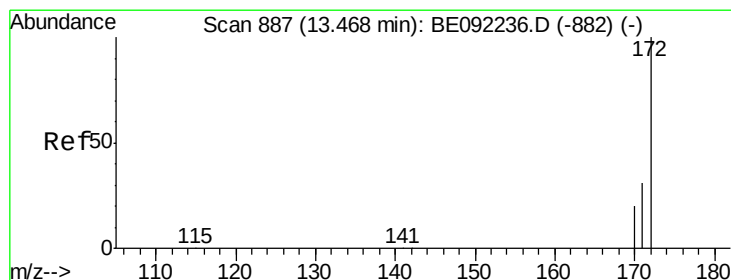
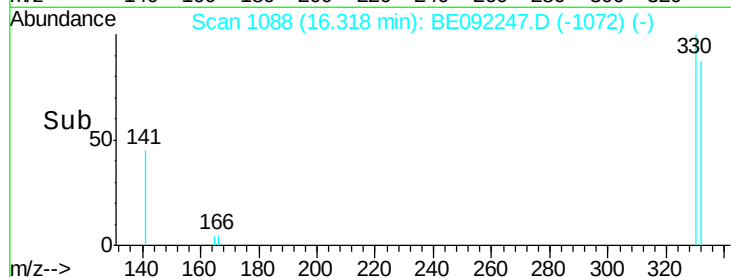
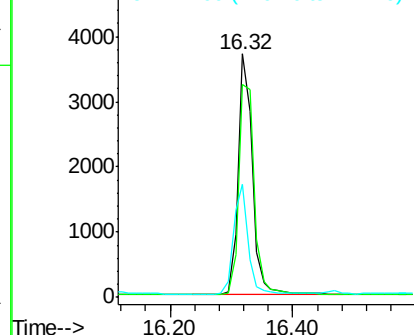
#13
 2,4,6-Tribromophenol
 Concen: 5.14 ng
 RT: 16.32 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092247.D
 Acq: 10 Aug 2016 10:28

Instrument :
 BNA_E
 ClientSampleId :
 PB92747BS

Tgt Ion: 330 Resp: 5966
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.4 113.0
 141 46.0 37.7 56.5

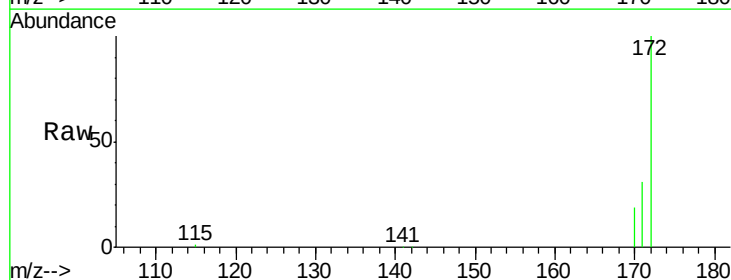


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

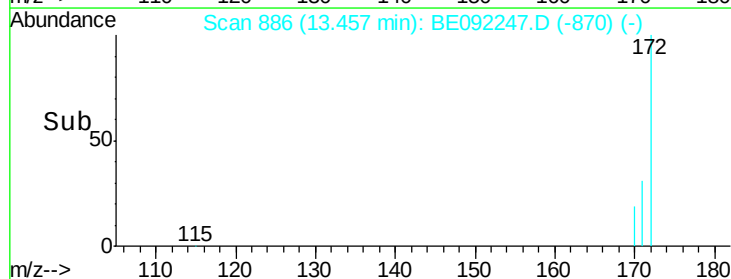
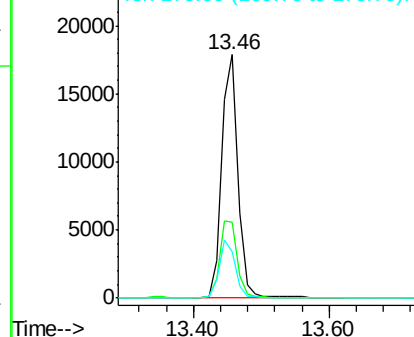


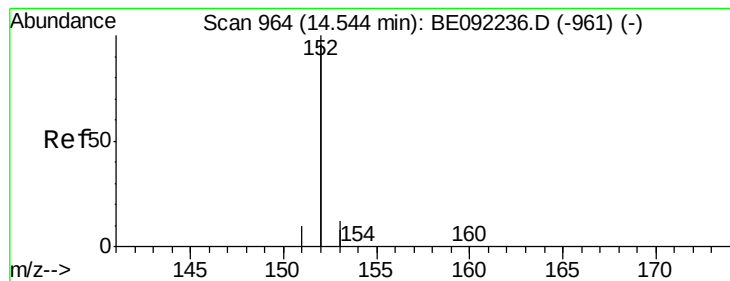
#14
 2-Fluorobiphenyl
 Concen: 3.20 ng
 RT: 13.46 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BE092247.D
 Acq: 10 Aug 2016 10:28

Tgt Ion: 172 Resp: 29869
 Ion Ratio Lower Upper
 172 100
 171 31.0 26.8 40.2
 170 18.9 17.8 26.6



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: 2.97 ng

RT: 14.54 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

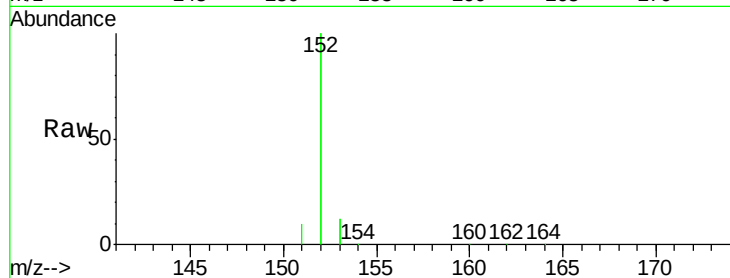
Tgt Ion:152 Resp: 155249

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

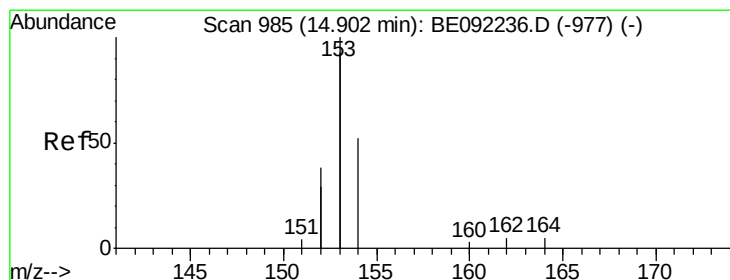
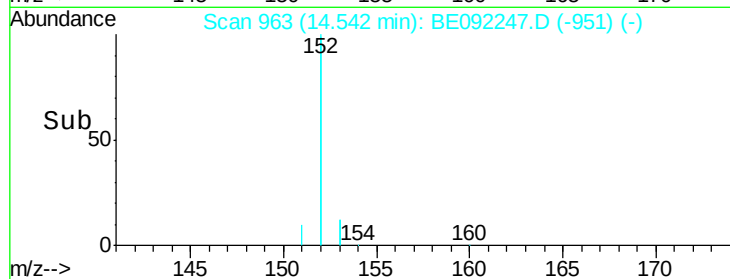
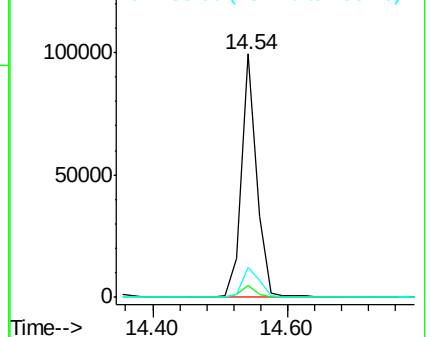
153 13.4 10.2 15.2



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: 2.82 ng

RT: 14.90 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

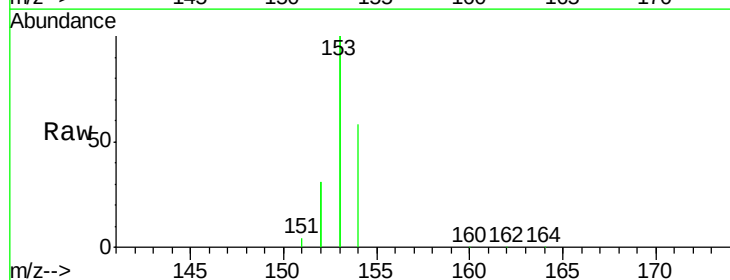
Tgt Ion:154 Resp: 23674

Ion Ratio Lower Upper

154 100

153 452.8 355.0 532.4

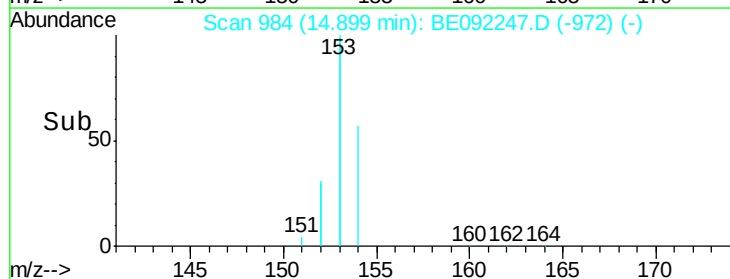
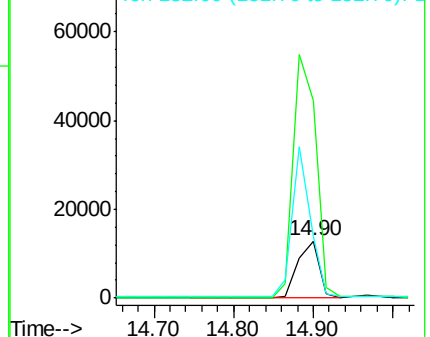
152 226.9 179.7 269.5

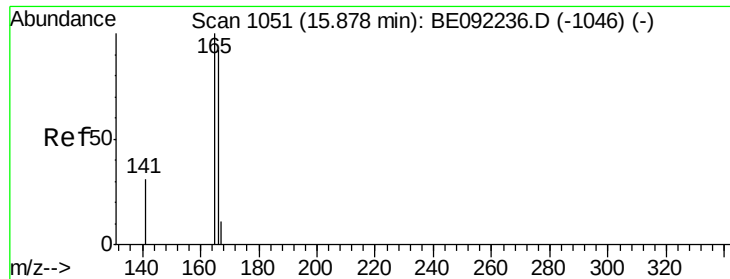


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 2.92 ng

RT: 15.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

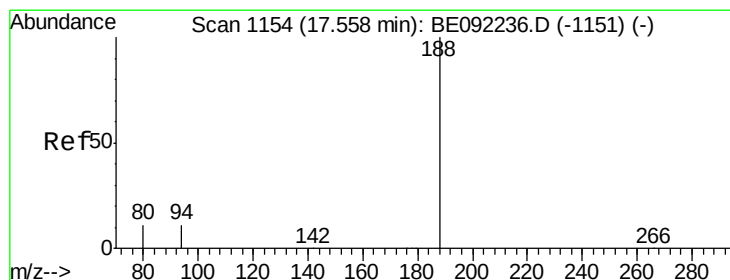
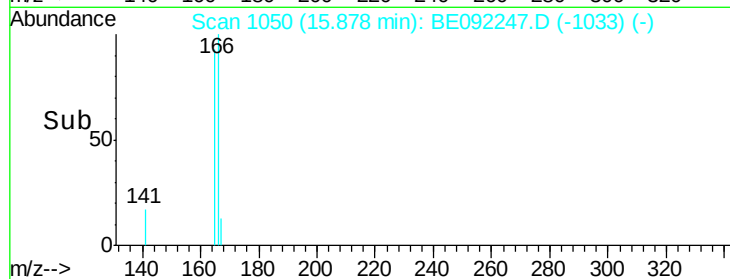
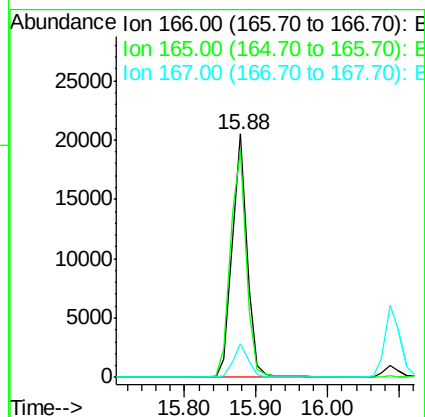
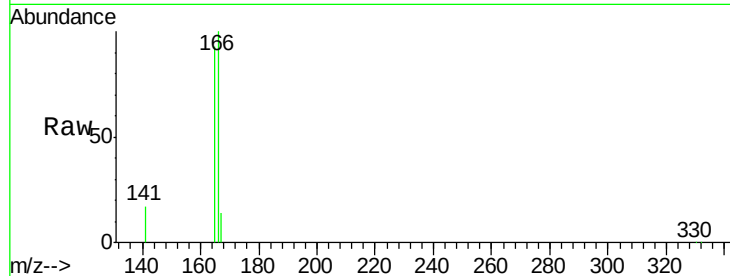
Tgt Ion:166 Resp: 29574

Ion Ratio Lower Upper

166 100

165 98.9 80.1 120.1

167 13.5 10.6 16.0



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

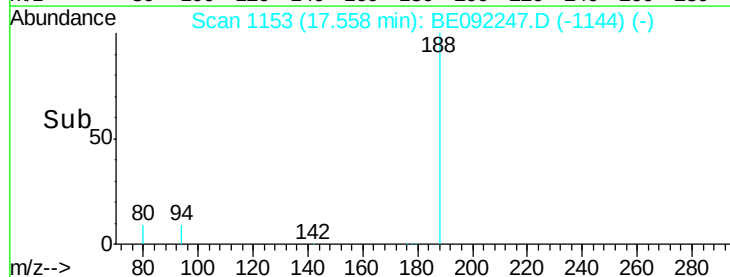
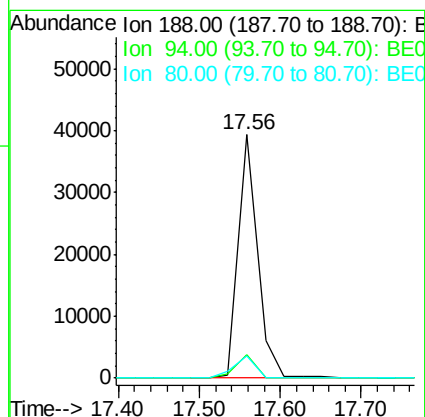
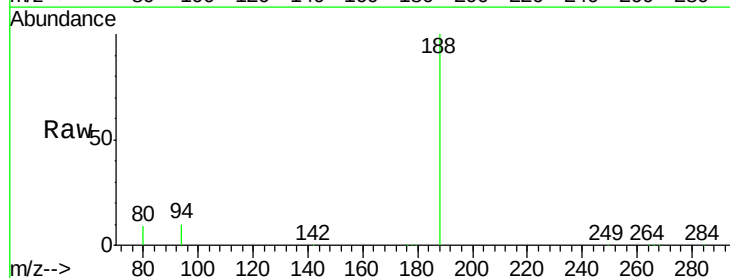
Tgt Ion:188 Resp: 64424

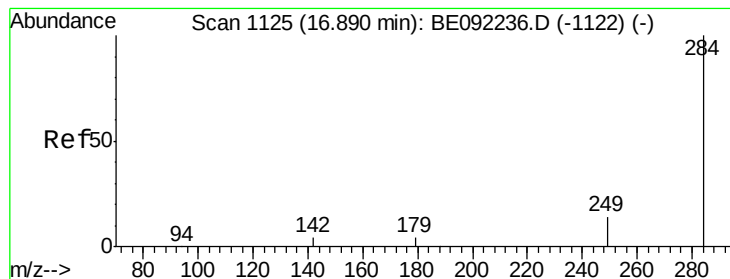
Ion Ratio Lower Upper

188 100

94 9.5 9.2 13.8

80 9.0 9.1 13.7#





#19

Hexachlorobenzene

Concen: 3.01 ng

RT: 16.89 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

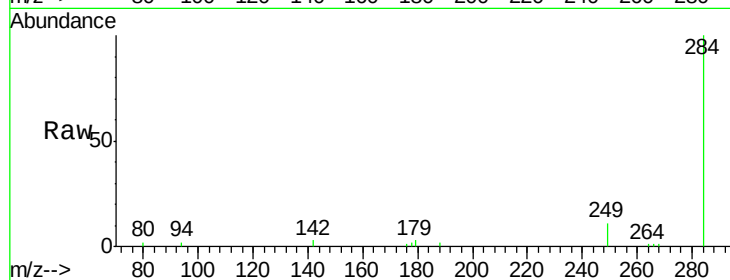
Tgt Ion:284 Resp: 7693

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

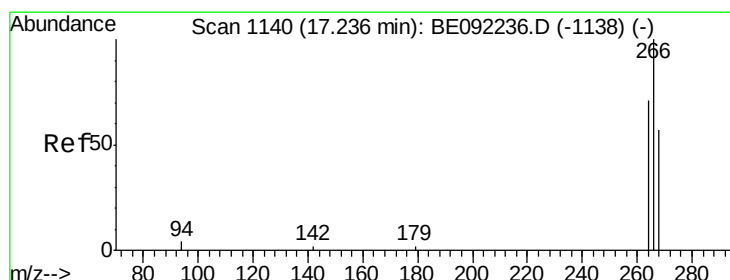
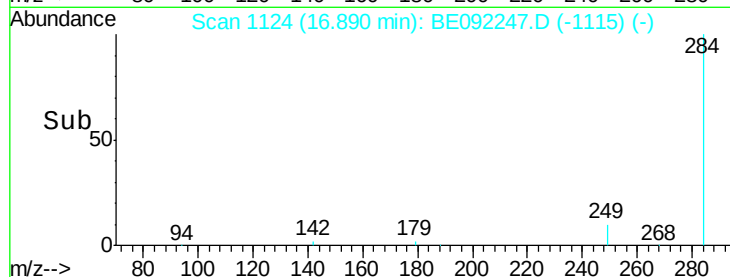
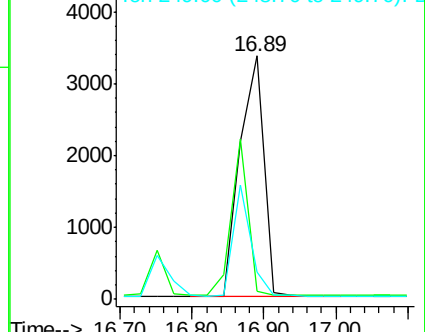
249 0.0 0.0 0.0



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



#20

Pentachlorophenol

Concen: 6.59 ng

RT: 17.24 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

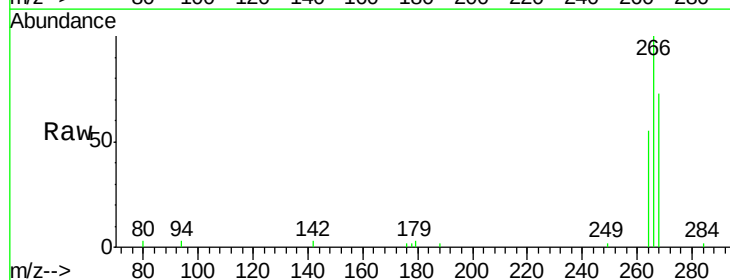
Tgt Ion:266 Resp: 5223

Ion Ratio Lower Upper

266 100

268 73.0 62.3 93.5

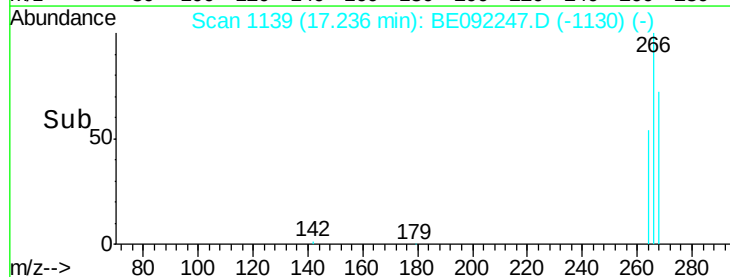
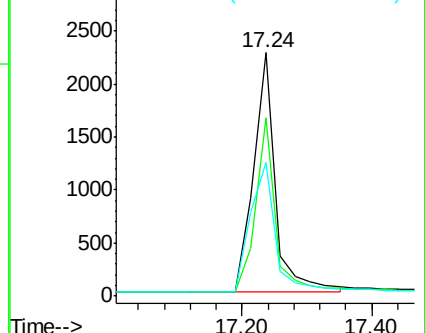
264 54.7 67.4 101.0#

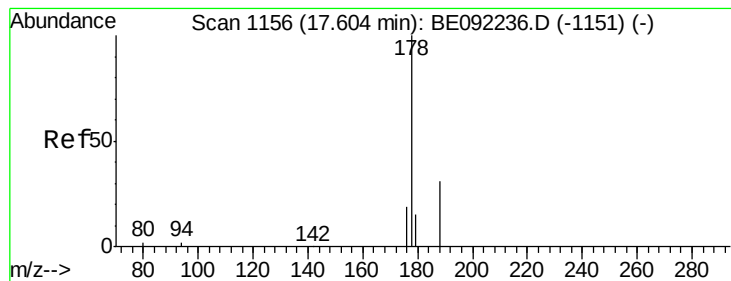


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 2.93 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

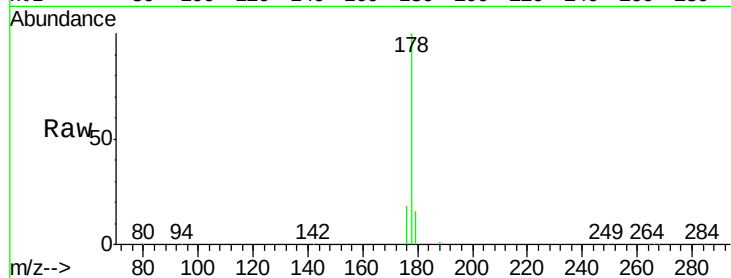
Tgt Ion:178 Resp: 48896

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

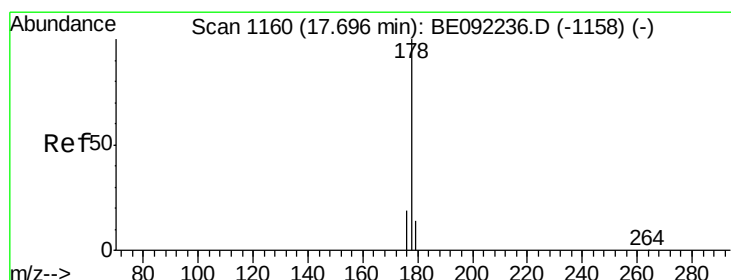
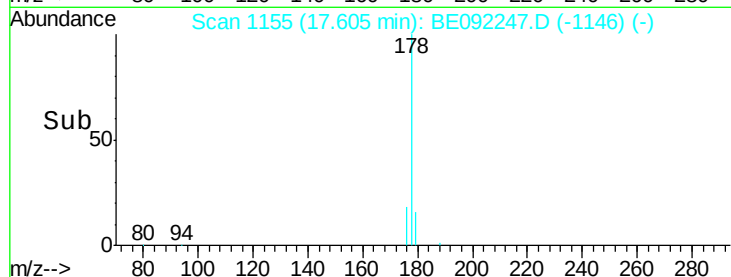
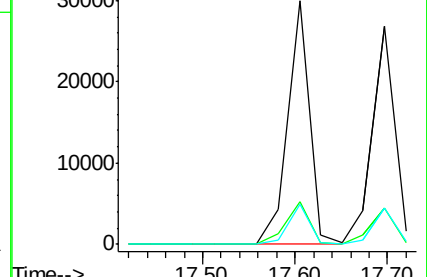
179 15.8 12.9 19.3



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



#22

Anthracene

Concen: 3.00 ng

RT: 17.70 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

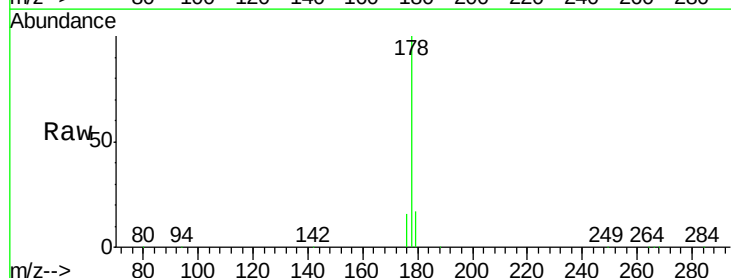
Tgt Ion:178 Resp: 45184

Ion Ratio Lower Upper

178 100

176 17.7 15.0 22.4

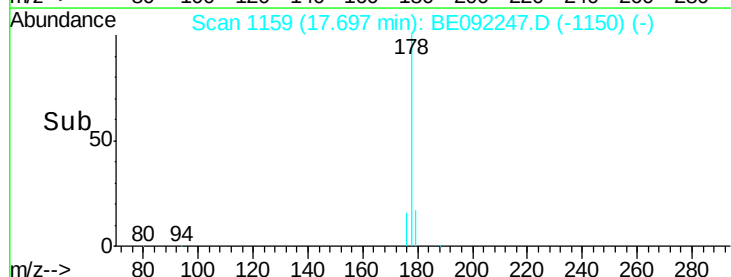
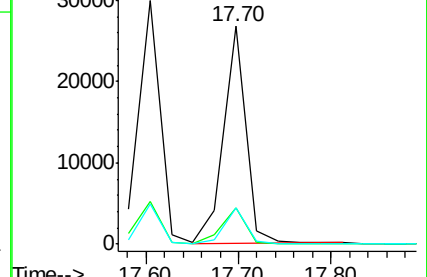
179 15.9 12.0 18.0

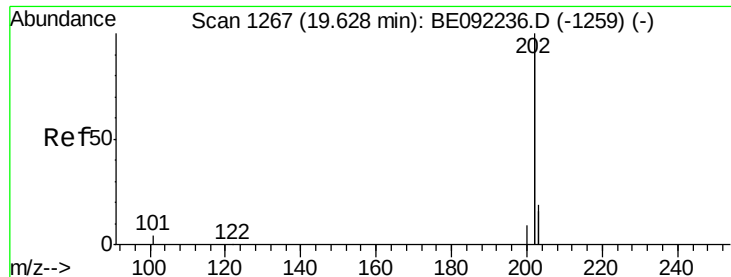


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 2.90 ng

RT: 19.61 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

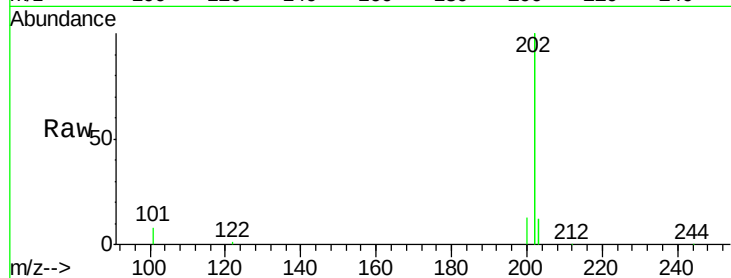
Tgt Ion:202 Resp: 191732

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

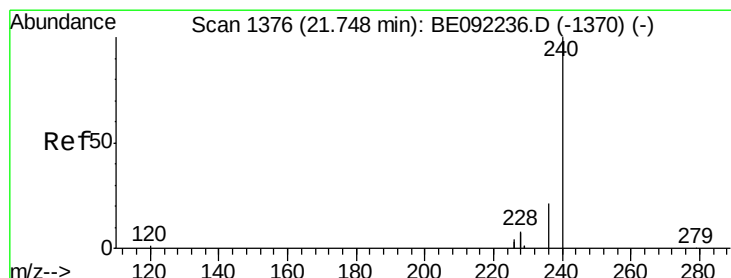
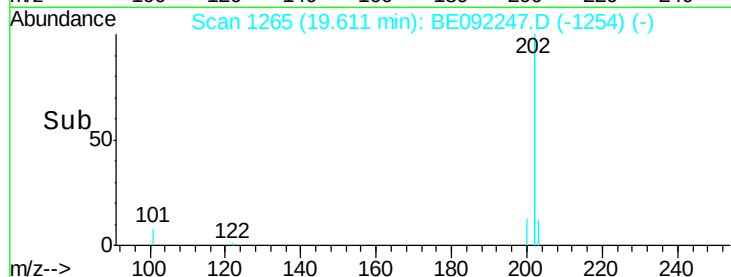
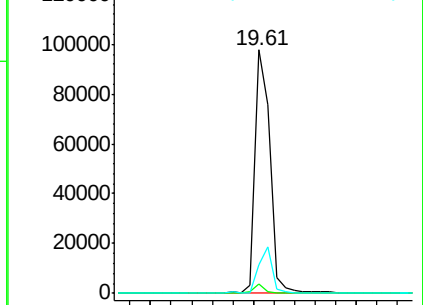
203 17.6 13.7 20.5



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: 21.73 min Scan# 1374

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

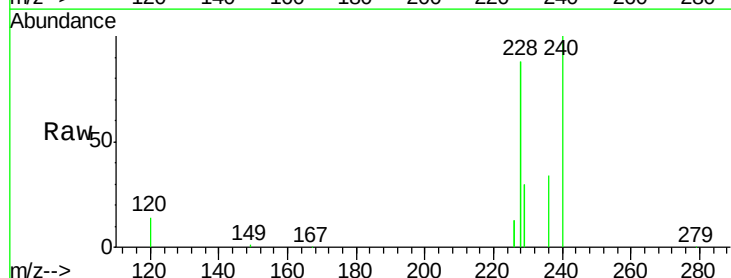
Tgt Ion:240 Resp: 55902

Ion Ratio Lower Upper

240 100

120 13.6 1.2 1.8#

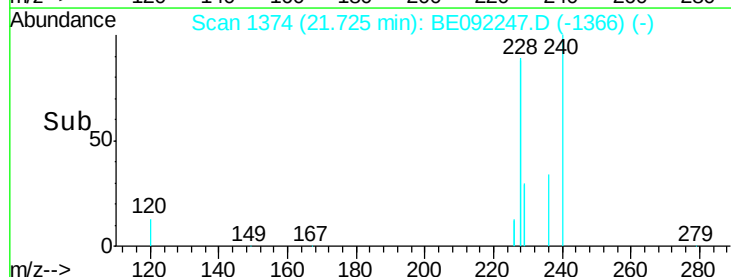
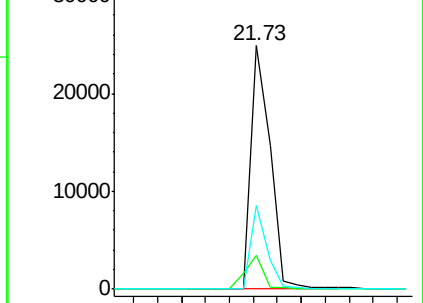
236 34.4 17.1 25.7#

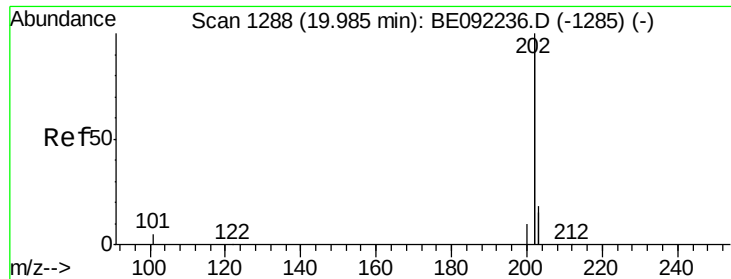


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

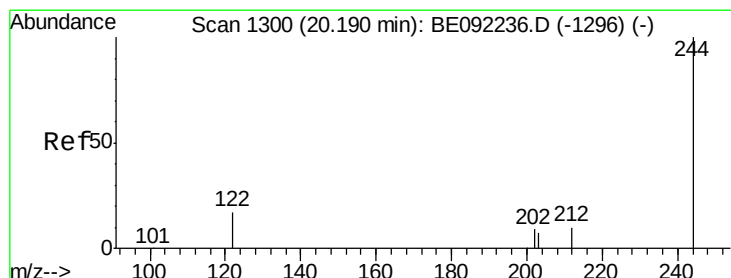
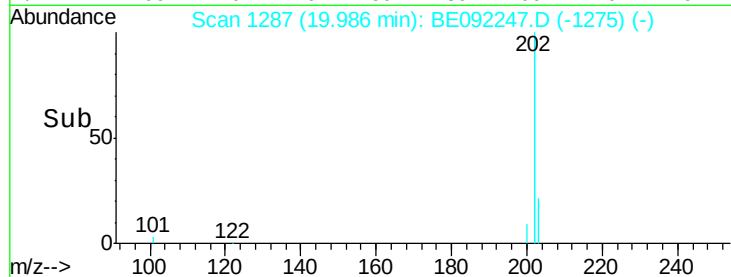
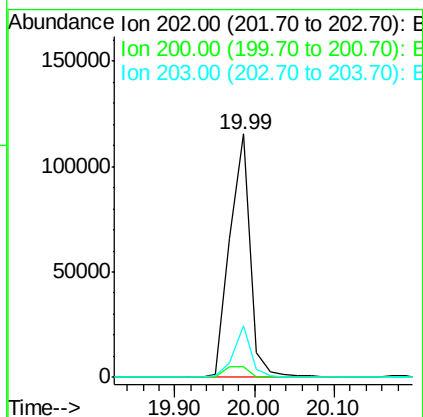
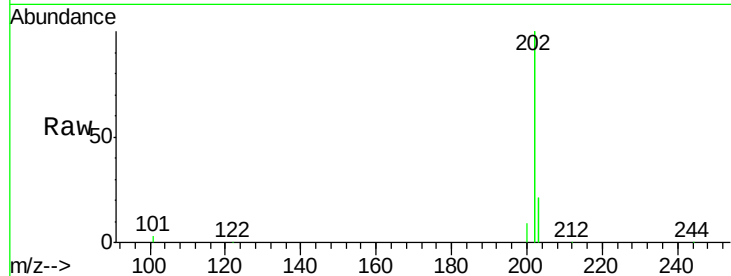




#25
 Pyrene
 Concen: 3.06 ng
 RT: 19.99 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BE092247.D
 Acq: 10 Aug 2016 10:28

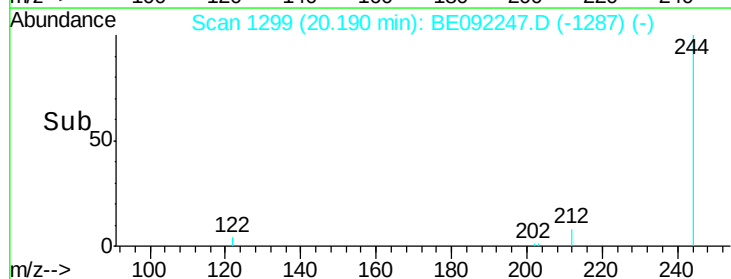
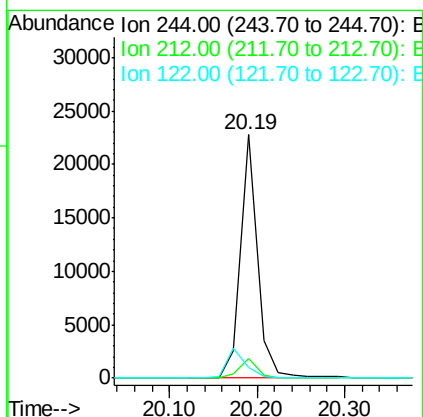
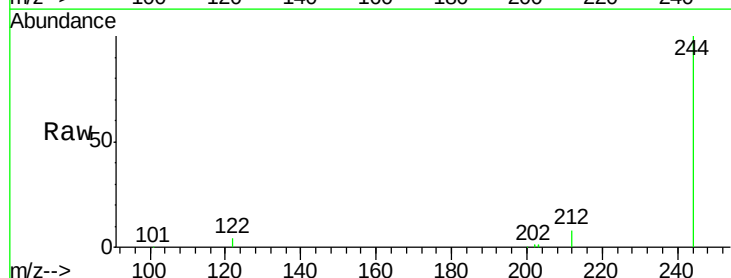
Instrument :
 BNA_E
 ClientSampleId :
 PB92747BS

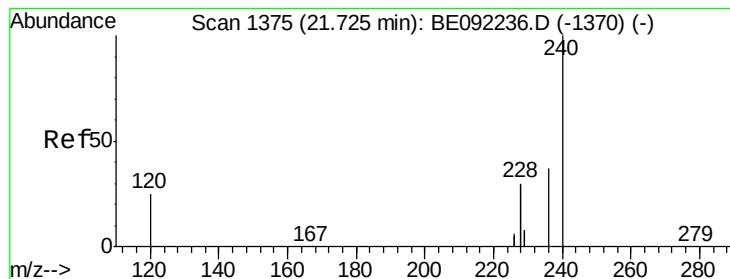
Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	18.2	14.0	21.0



#26
 Terphenyl-d14
 Concen: 3.22 ng
 RT: 20.19 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BE092247.D
 Acq: 10 Aug 2016 10:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	10.2	15.2#
122	4.3	15.9	23.9#





#27

Benzo(a)anthracene

Concen: 3.30 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

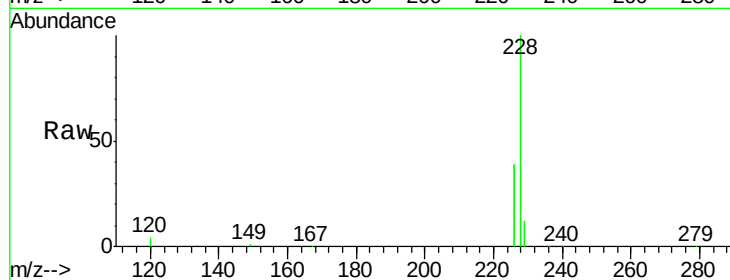
Tgt Ion:228 Resp: 221672

Ion Ratio Lower Upper

228 100

226 39.4 15.9 23.9#

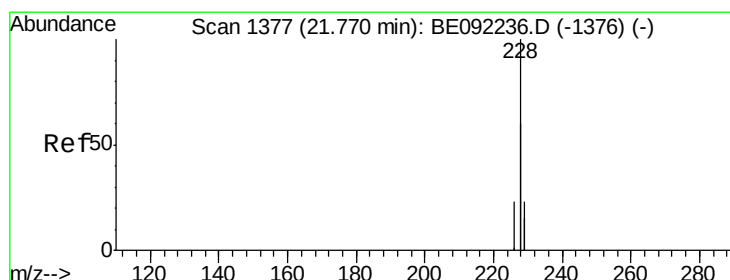
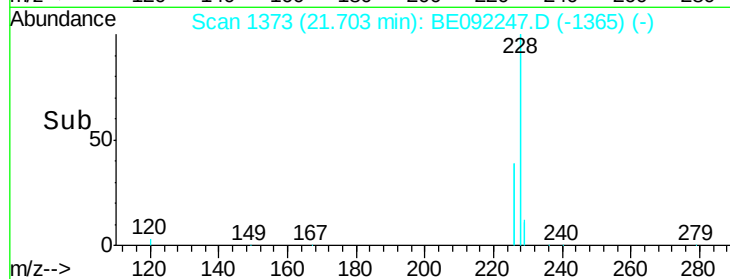
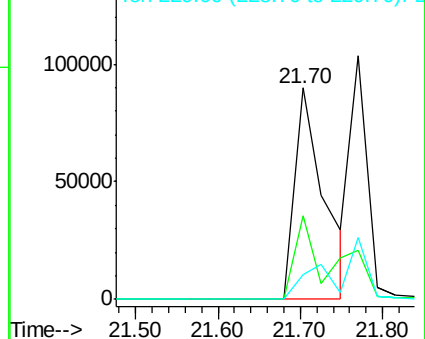
229 11.7 22.4 33.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#28

Chrysene

Concen: 3.57 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.07 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

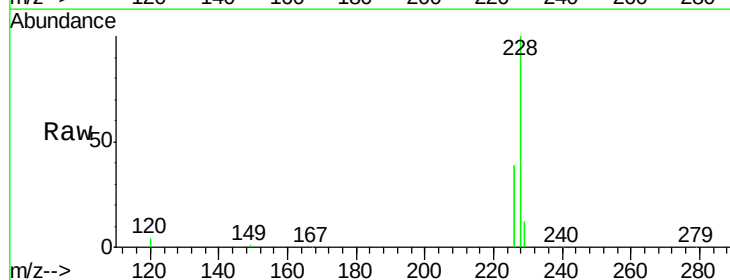
Tgt Ion:228 Resp: 221650

Ion Ratio Lower Upper

228 100

226 39.4 18.3 27.5#

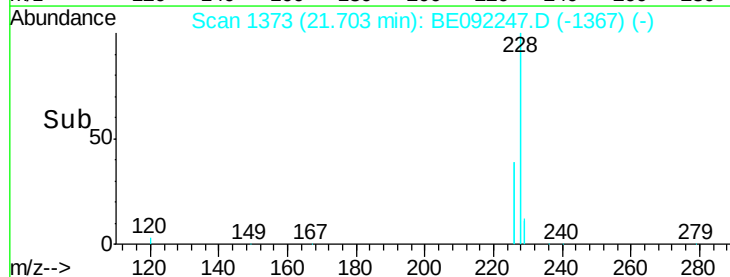
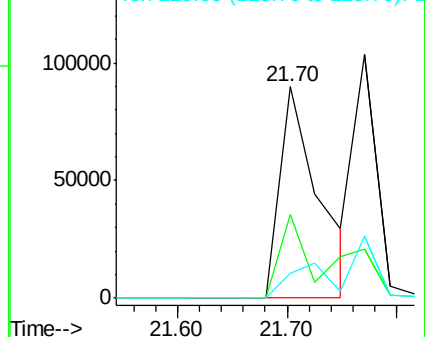
229 11.7 18.6 27.8#

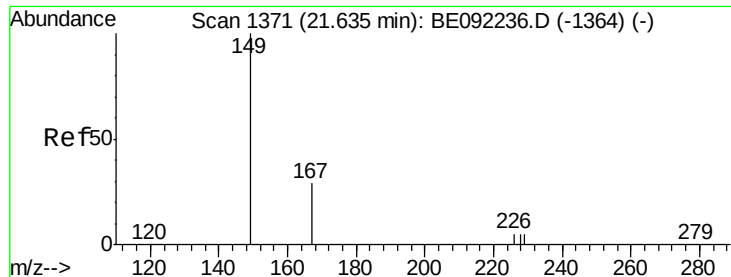


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 2.16 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

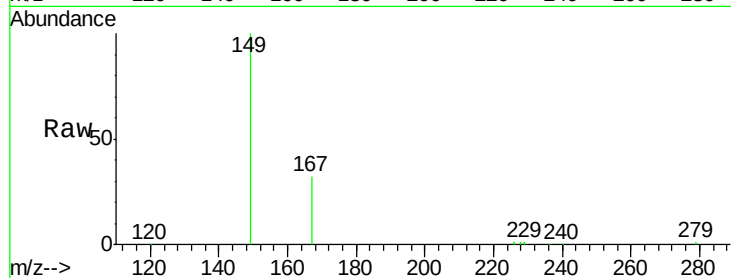
Tgt Ion:149 Resp: 22525

Ion Ratio Lower Upper

149 100

167 30.9 22.1 33.1

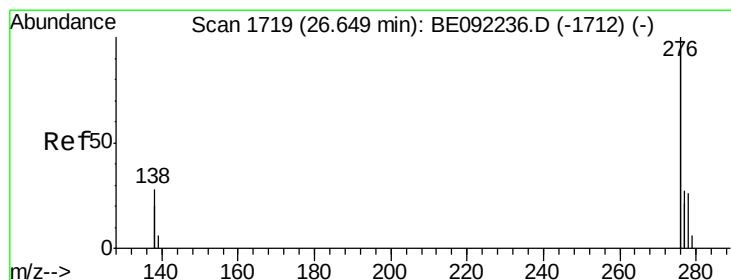
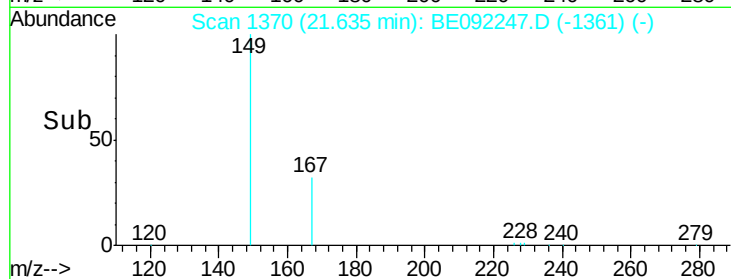
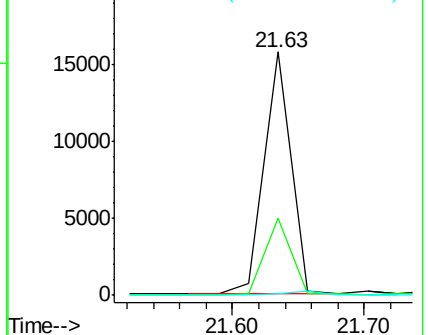
279 0.0 0.0 0.0



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 3.86 ng

RT: 26.63 min Scan# 1717

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

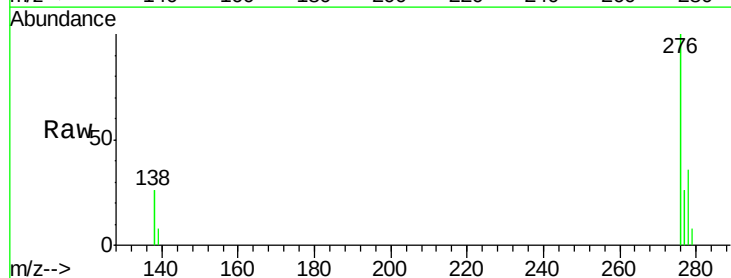
Tgt Ion:276 Resp: 257925

Ion Ratio Lower Upper

276 100

138 27.4 21.3 31.9

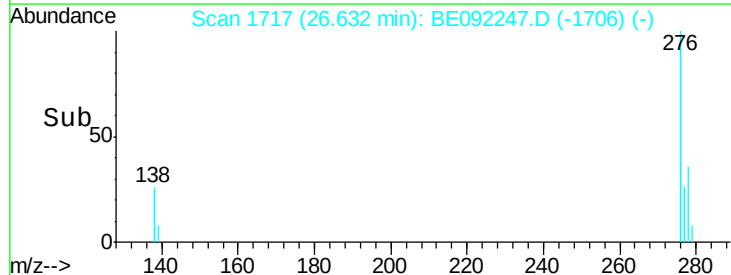
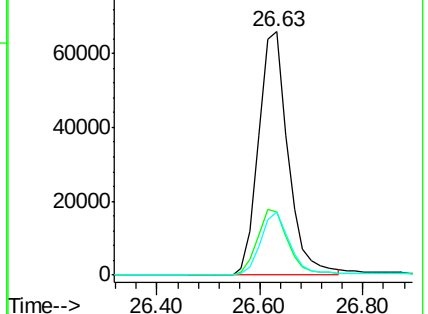
277 24.8 19.7 29.5

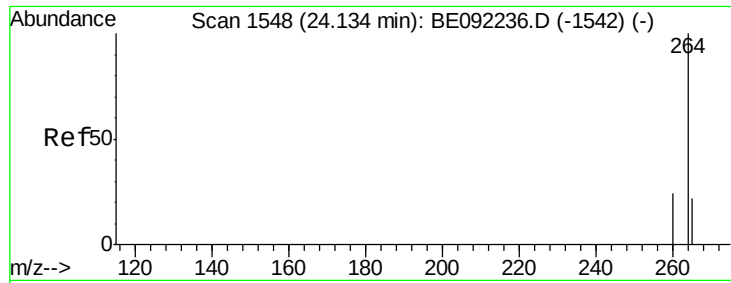


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

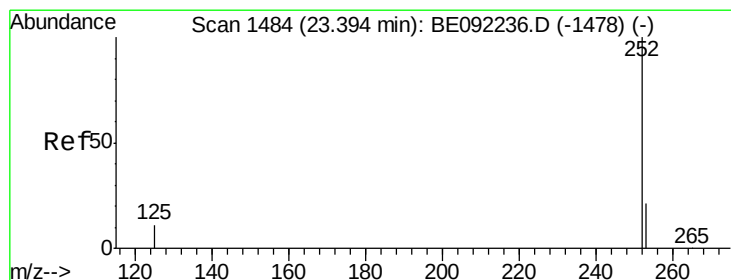
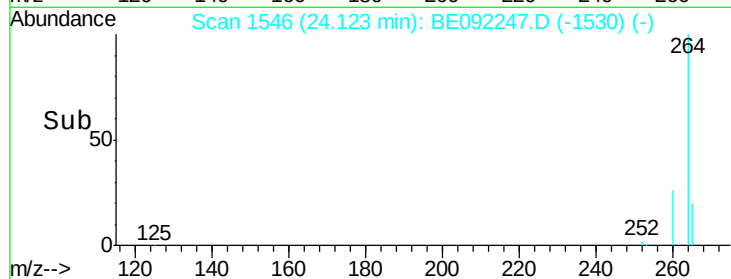
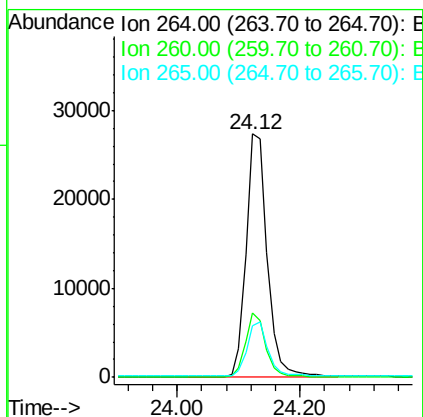
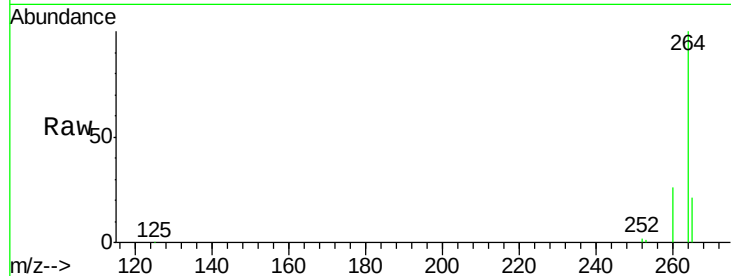




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BE092247.D
 Acq: 10 Aug 2016 10:28

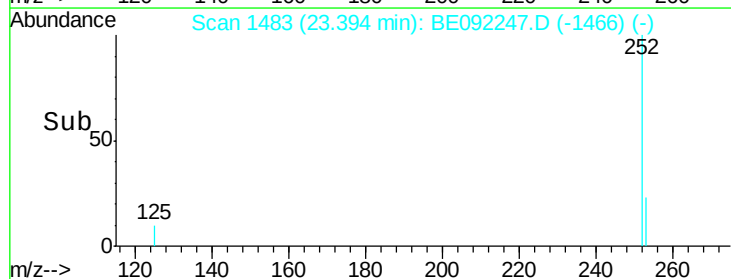
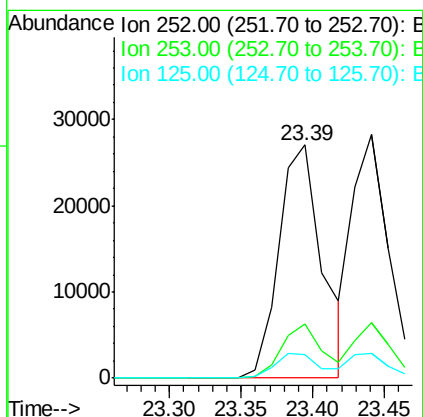
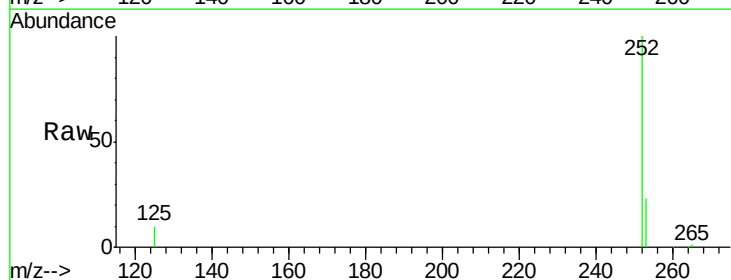
Instrument :
 BNA_E
 ClientSampleId :
 PB92747BS

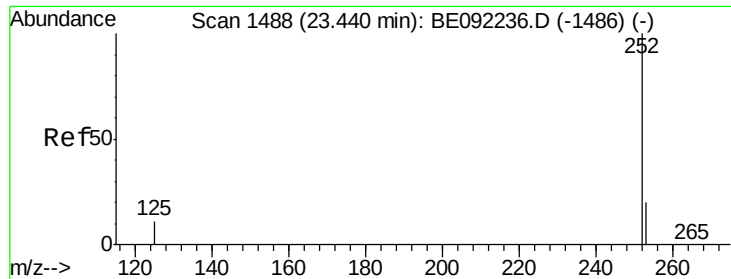
Tgt Ion: 264 Resp: 65815
 Ion Ratio Lower Upper
 264 100
 260 26.5 19.5 29.3
 265 21.1 18.2 27.4



#32
Benzo(b)fluoranthene
 Concen: 3.27 ng
 RT: 23.39 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BE092247.D
 Acq: 10 Aug 2016 10:28

Tgt Ion: 252 Resp: 56499
 Ion Ratio Lower Upper
 252 100
 253 23.2 19.0 28.4
 125 9.9 10.3 15.5#





#33

Benzo(k)fluoranthene

Concen: 2.91 ng

RT: 23.44 min Scan# 1487

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

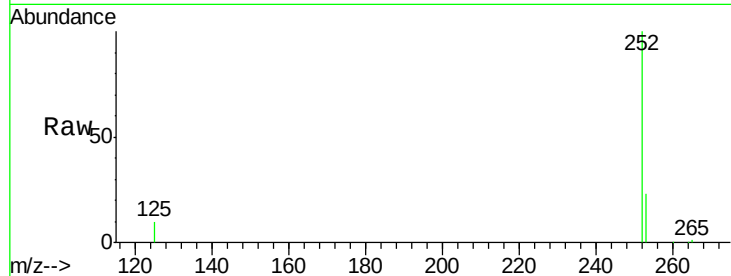
Tgt Ion:252 Resp: 50665

Ion Ratio Lower Upper

252 100

253 22.7 19.0 28.6

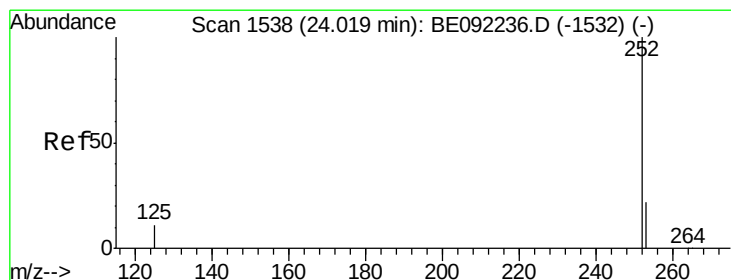
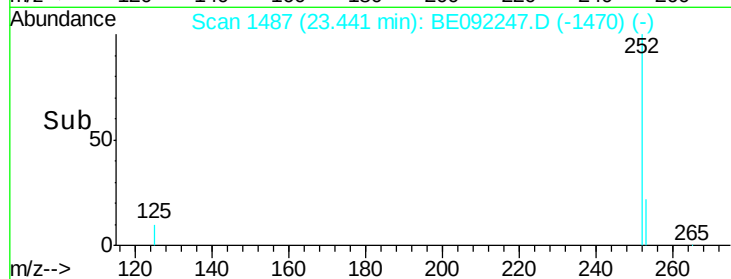
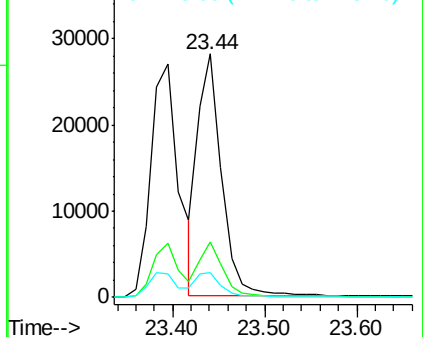
125 10.1 10.6 15.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 3.14 ng

RT: 24.02 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

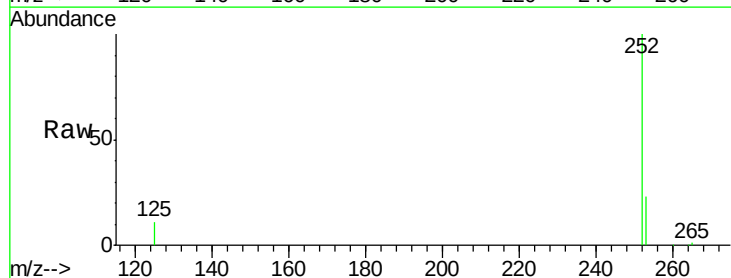
Tgt Ion:252 Resp: 51157

Ion Ratio Lower Upper

252 100

253 22.5 20.3 30.5

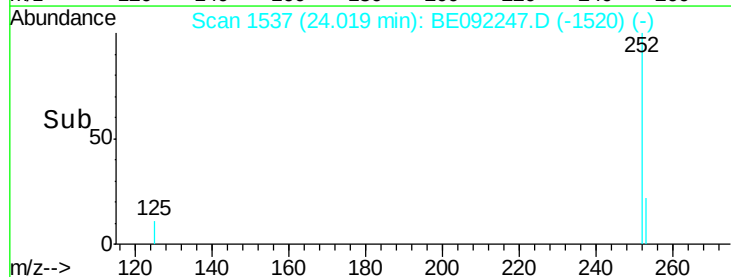
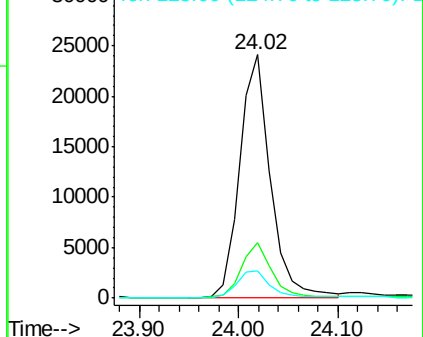
125 11.0 11.8 17.6#

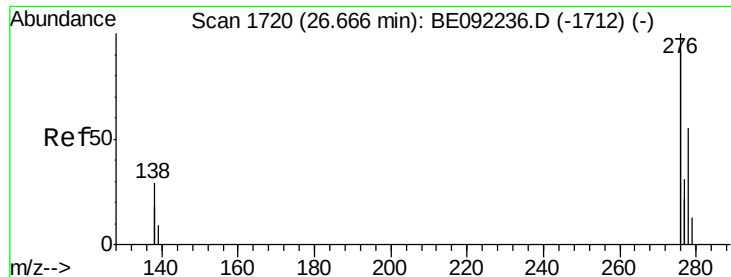


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 3.56 ng

RT: 26.65 min Scan# 1718

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Instrument :

BNA_E

ClientSampleId :

PB92747BS

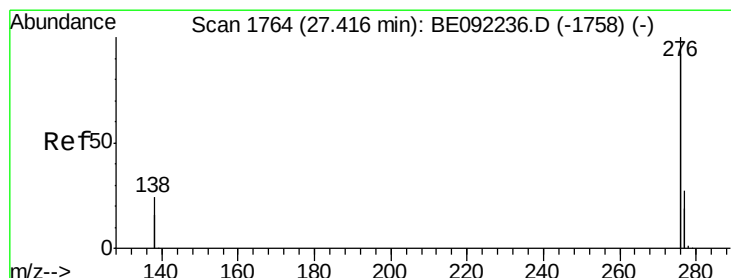
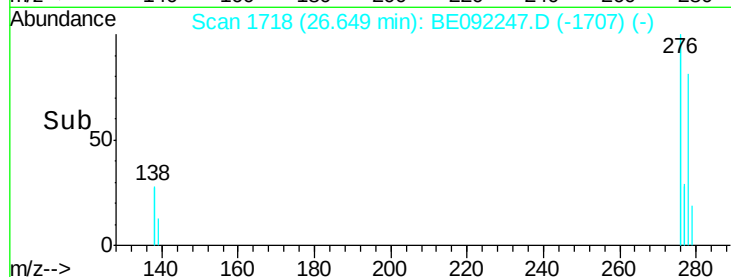
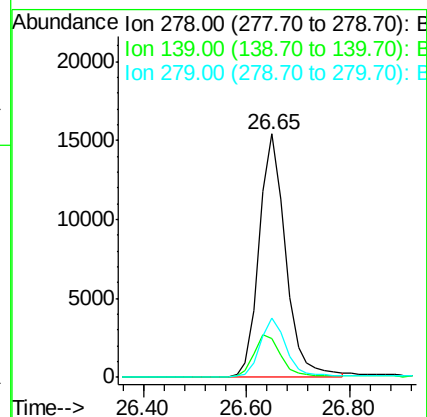
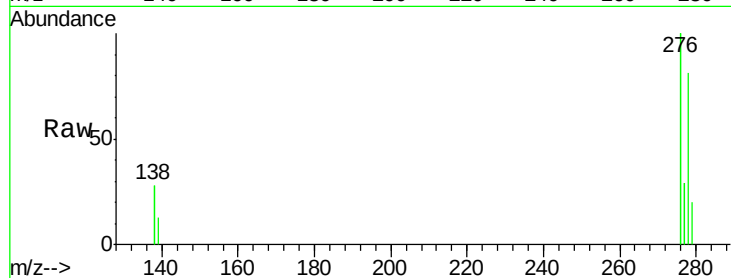
Tgt Ion:278 Resp: 53999

Ion Ratio Lower Upper

278 100

139 15.8 16.2 24.2#

279 24.4 21.4 32.2



#36

Benzo(g,h,i)perylene

Concen: 3.44 ng

RT: 27.40 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BE092247.D

Acq: 10 Aug 2016 10:28

Tgt Ion:276 Resp: 224180

Ion Ratio Lower Upper

276 100

277 24.2 21.4 32.2

138 21.4 19.4 29.2

