

Data Path : Z:\HPCHEM1\BNA_E\Data\BE090916\
 Data File : BE092359.D
 Acq On : 9 Sep 2016 17:47
 Operator : UM/SJ
 Sample : PB93313BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93313BSD

Quant Time: Sep 09 18:36:45 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	12318	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	56082	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	29214	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	58812	5.00	ng	0.00
24) Chrysene-d12	21.75	240	59207	5.00	ng	0.00
31) Perylene-d12	24.10	264	55440	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	23721	8.10	ng	-0.01
5) Phenol-d6	7.33	99	33169	8.49	ng	-0.02
8) Nitrobenzene-d5	9.34	82	14626	3.63	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	7070	7.81	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	31867	3.56	ng	-0.01
26) Terphenyl-d14	20.17	244	35155	4.01	ng	0.00

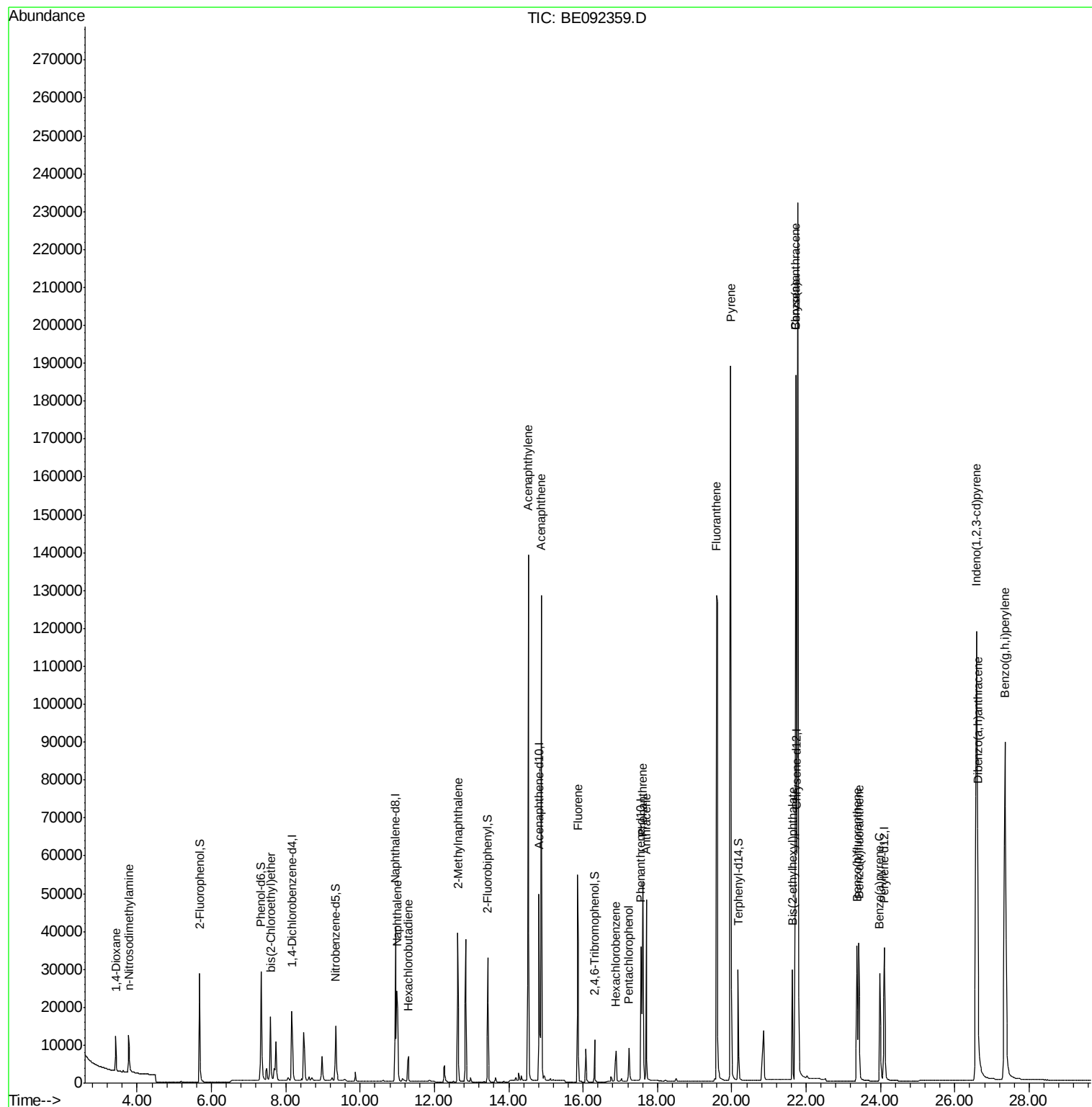
Target Compounds						Qvalue
2) 1,4-Dioxane	3.42	88	5123	3.37	ng	# 86
3) n-Nitrosodimethylamine	3.77	42	7957	4.07	ng	# 99
6) bis(2-Chloroethyl)ether	7.59	93	13660	3.66	ng	91
9) Naphthalene	10.99	128	42506	3.38	ng	# 95
10) Hexachlorobutadiene	11.30	225	6504	3.32	ng	99
11) 2-Methylnaphthalene	12.62	142	29098	3.54	ng	92
15) Acenaphthylene	14.53	152	179418	3.57	ng	100
16) Acenaphthene	14.87	154	26867	3.30	ng	93
17) Fluorene	15.86	166	34178	3.35	ng	98
19) Hexachlorobenzene	16.89	284	9648	3.43	ng	# 64
20) Pentachlorophenol	17.23	266	7188	5.52	ng	85
21) Phenanthrene	17.60	178	59925	3.63	ng	# 94
22) Anthracene	17.70	178	57350	3.90	ng	100
23) Fluoranthene	19.59	202	226384	3.14	ng	99
25) Pyrene	19.97	202	238396	4.14	ng	99
27) Benzo(a)anthracene	21.72	228	213236	3.34	ng	# 79
28) Chrysene	21.72	228	213190	3.58	ng	# 61
29) Bis(2-ethylhexyl)phthalate	21.63	149	33180	4.37	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.58	276	256586	3.81	ng	99
32) Benzo(b)fluoranthene	23.37	252	54499	3.83	ng	# 96
33) Benzo(k)fluoranthene	23.42	252	51001	3.39	ng	94
34) Benzo(a)pyrene	23.98	252	51212	3.65	ng	94
35) Dibenzo(a,h)anthracene	26.62	278	53830	4.15	ng	# 93
36) Benzo(g,h,i)perylene	27.35	276	222135	4.06	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

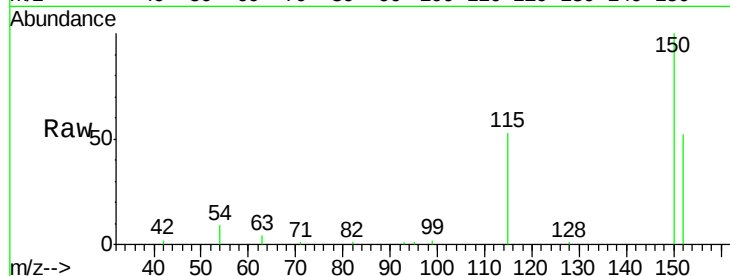
Tgt Ion:152 Resp: 12318

Ion Ratio Lower Upper

152 100

150 192.0 106.0 159.0#

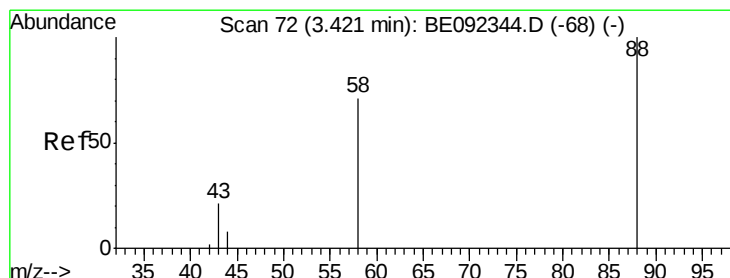
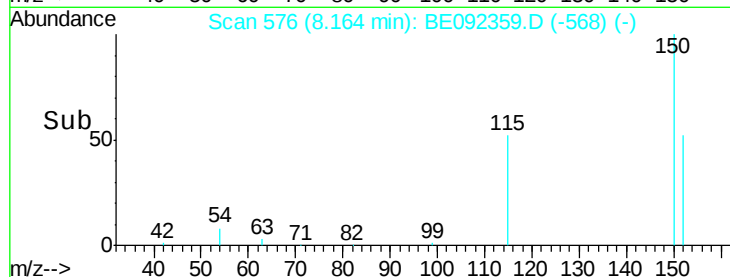
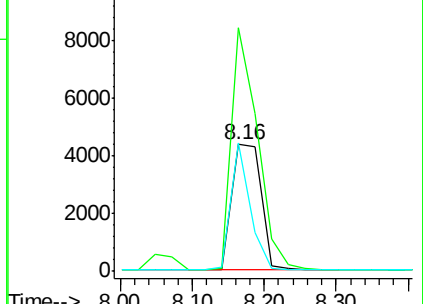
115 101.2 31.2 46.8#



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



#2

1,4-Dioxane

Concen: 3.37 ng

RT: 3.42 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

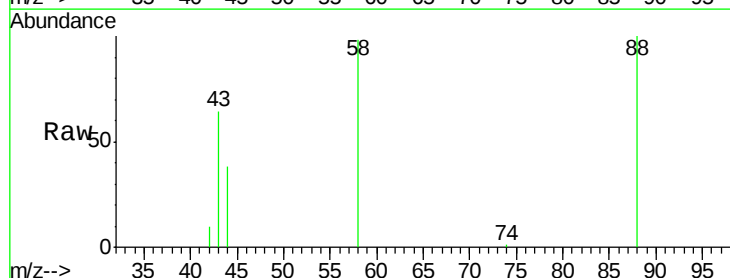
Tgt Ion: 88 Resp: 5123

Ion Ratio Lower Upper

88 100

58 90.4 63.6 95.4

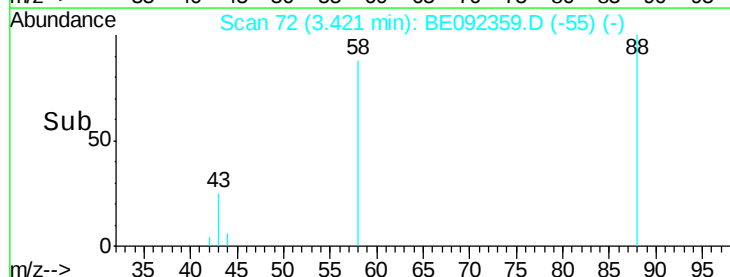
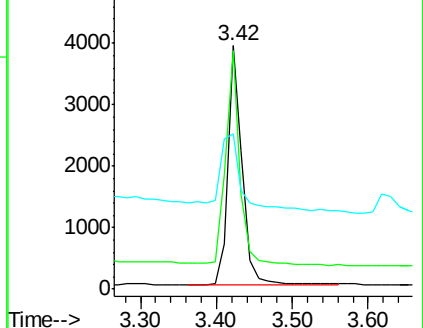
43 44.9 28.0 42.0#

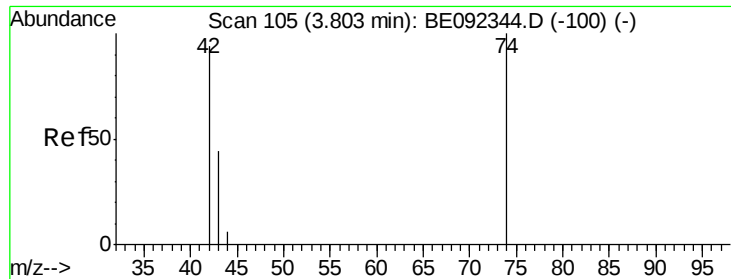


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.07 ng

RT: 3.77 min Scan# 102

Delta R.T. -0.03 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

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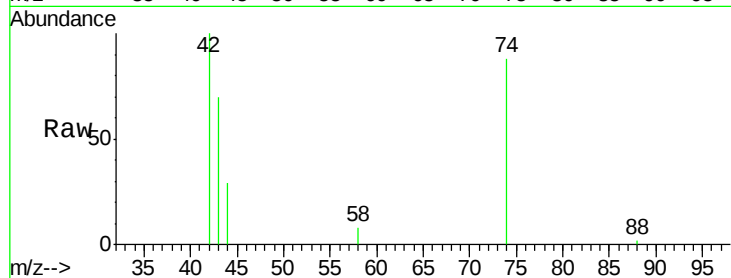
Tgt Ion: 42 Resp: 7957

Ion Ratio Lower Upper

42 100

74 106.8 86.0 129.0

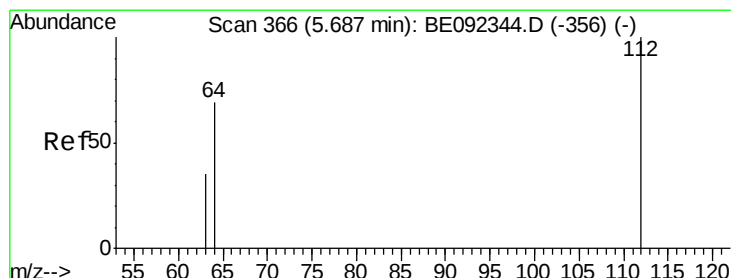
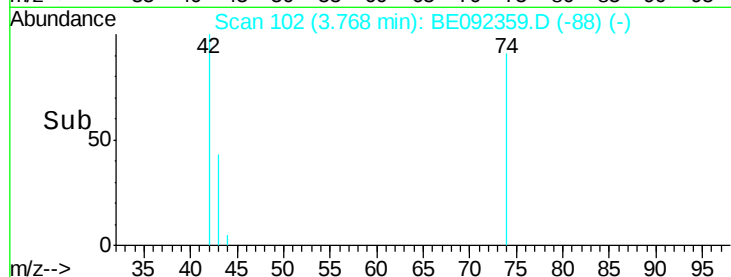
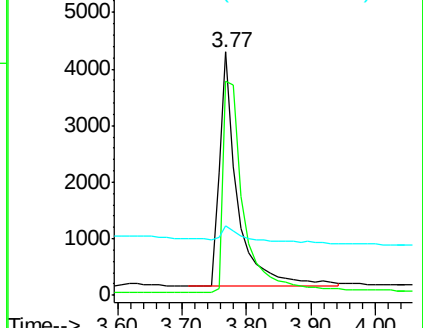
44 10.1 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE092344.D (-100) (-)

Ion 74.00 (73.70 to 74.70): BE092344.D (-100) (-)

Ion 44.00 (43.70 to 44.70): BE092344.D (-100) (-)



#4

2-Fluorophenol

Concen: 8.10 ng

RT: 5.68 min Scan# 364

Delta R.T. -0.01 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

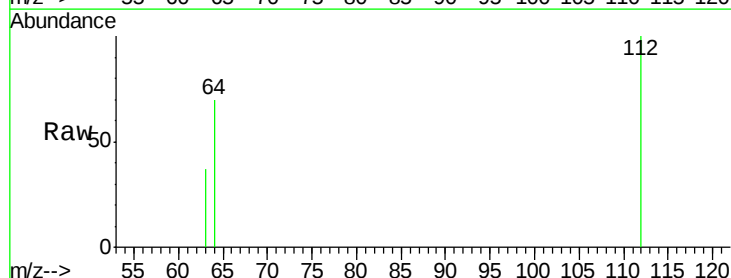
Tgt Ion: 112 Resp: 23721

Ion Ratio Lower Upper

112 100

64 67.5 53.5 80.3

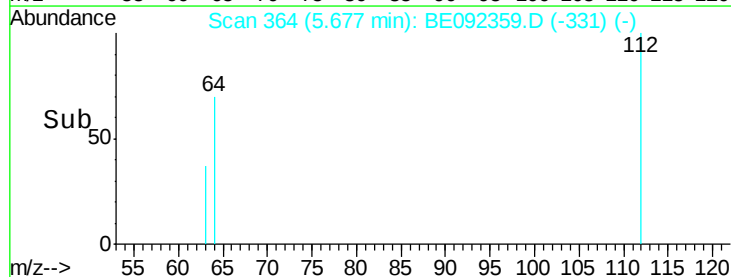
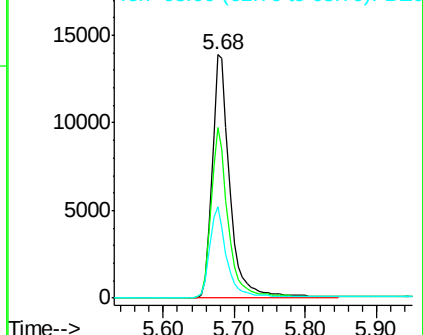
63 35.9 27.9 41.9

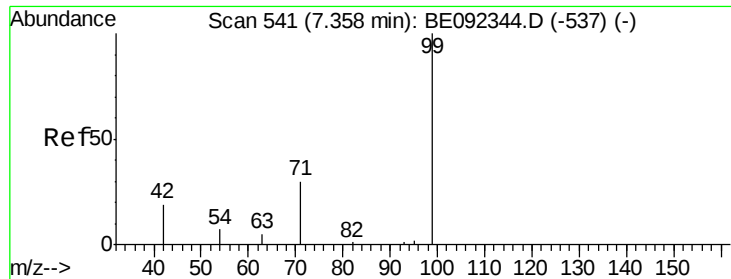


Abundance Ion 112.00 (111.70 to 112.70): BE092344.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE092344.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE092344.D (-356) (-)





#5

Phenol-d6

Concen: 8.49 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

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PB93313BSD

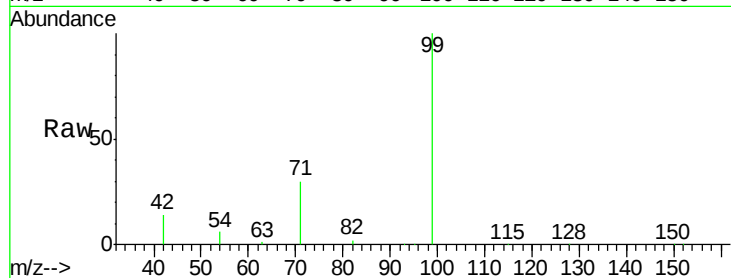
Tgt Ion: 99 Resp: 33169

Ion Ratio Lower Upper

99 100

42 22.3 16.0 24.0

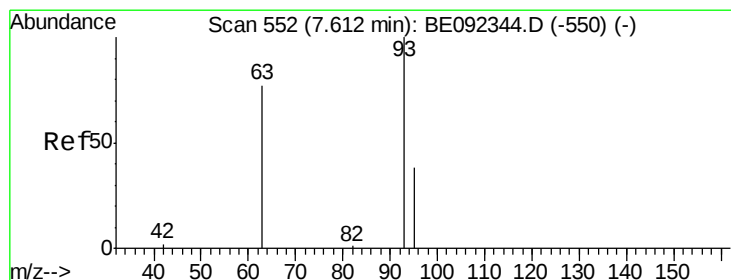
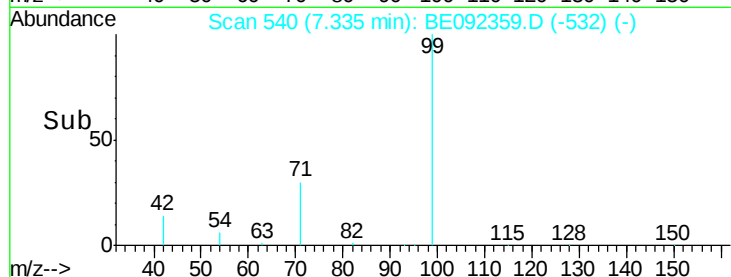
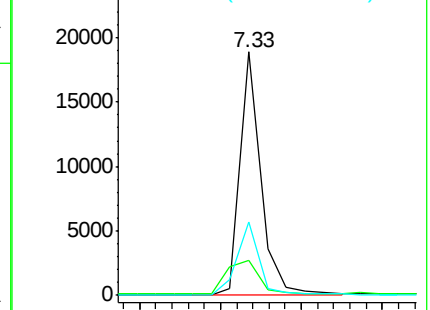
71 32.3 30.6 45.8



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



#6

bis(2-Chloroethyl)ether

Concen: 3.66 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

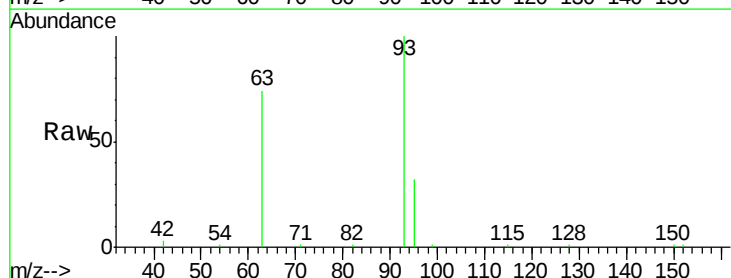
Tgt Ion: 93 Resp: 13660

Ion Ratio Lower Upper

93 100

63 80.4 71.6 107.4

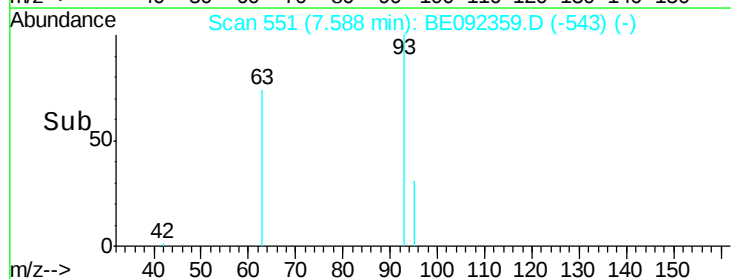
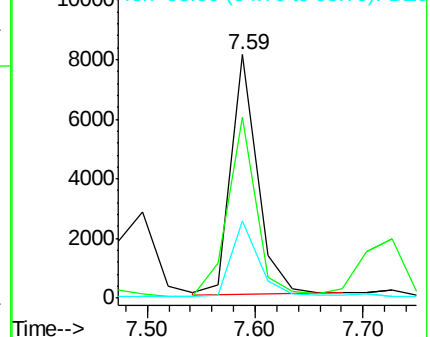
95 33.4 24.0 36.0

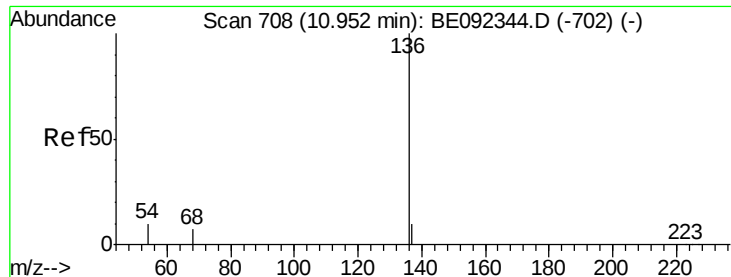


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

Tgt Ion:136 Resp: 56082

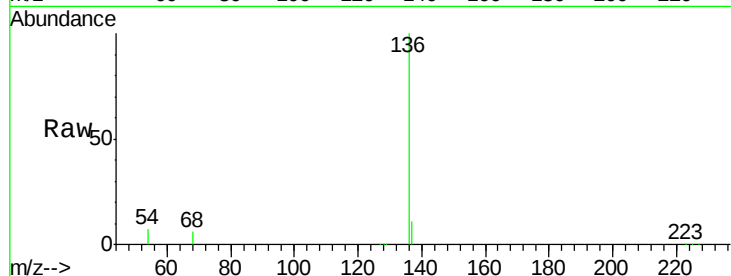
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 7.4 9.6 14.4#

68 5.6 6.7 10.1#

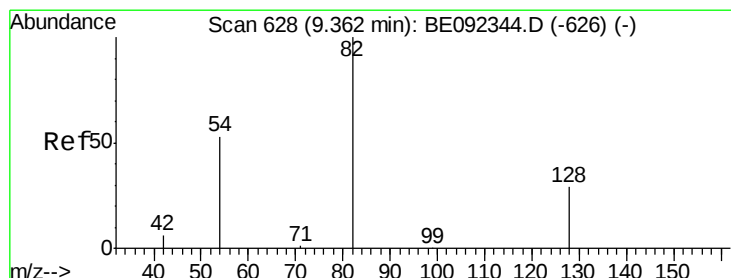
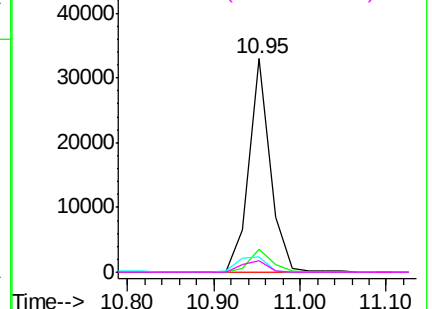
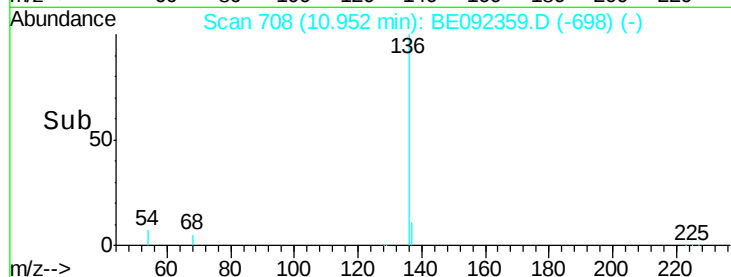


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.63 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

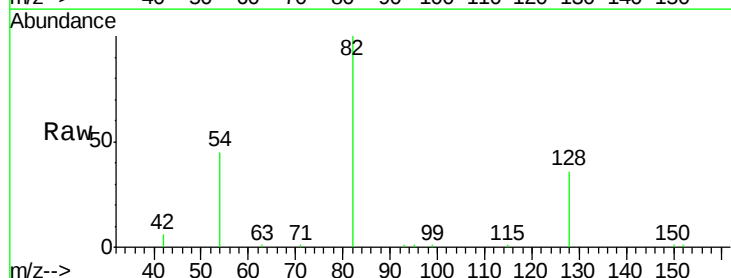
Tgt Ion: 82 Resp: 14626

Ion Ratio Lower Upper

82 100

128 35.6 39.0 58.4#

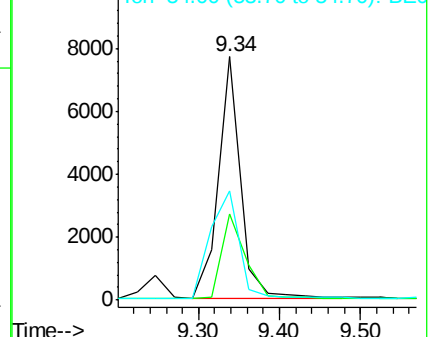
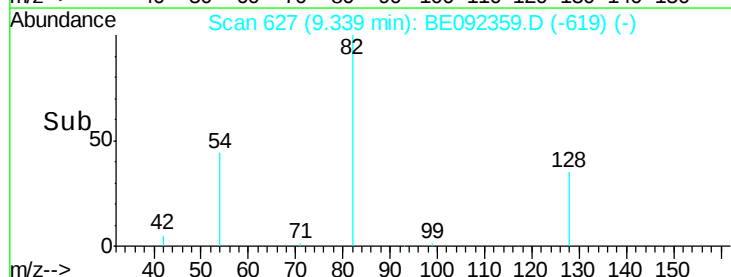
54 44.7 44.8 67.2#



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: 3.38 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

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PB93313BSD

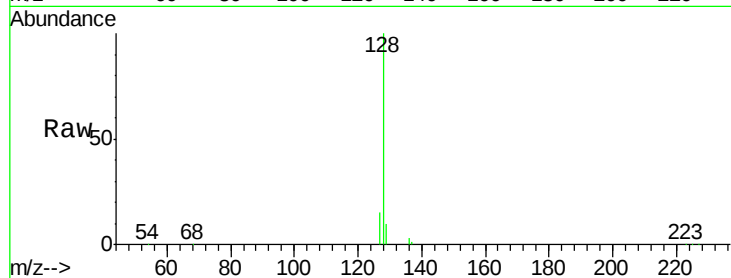
Tgt Ion:128 Resp: 42506

Ion Ratio Lower Upper

128 100

129 10.1 11.2 16.8#

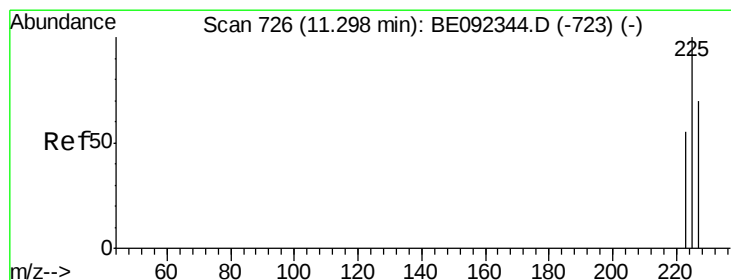
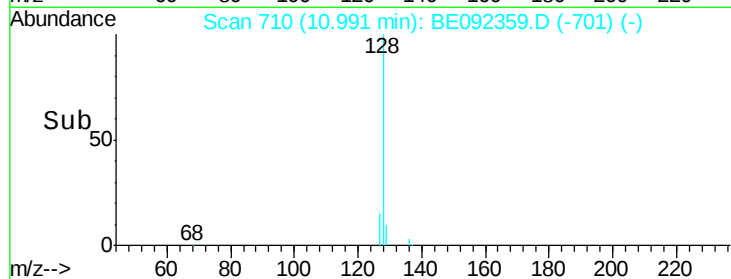
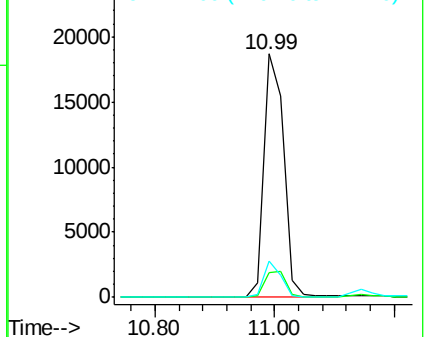
127 14.8 11.6 17.4



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: 3.32 ng

RT: 11.30 min Scan# 726

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

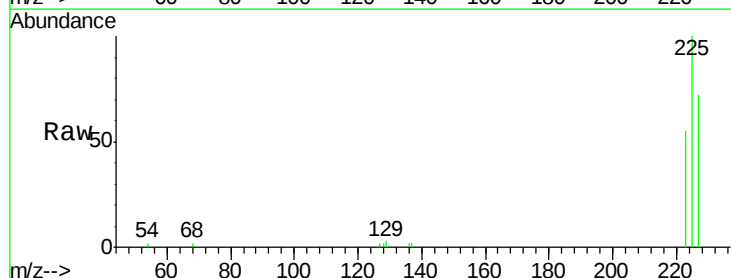
Tgt Ion:225 Resp: 6504

Ion Ratio Lower Upper

225 100

223 64.1 50.6 76.0

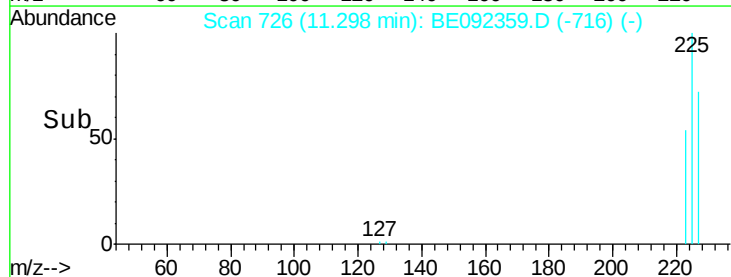
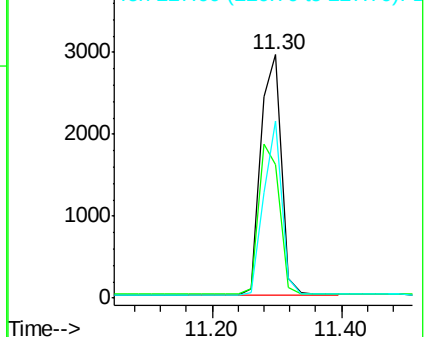
227 63.6 51.4 77.0



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: 3.54 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092359.D

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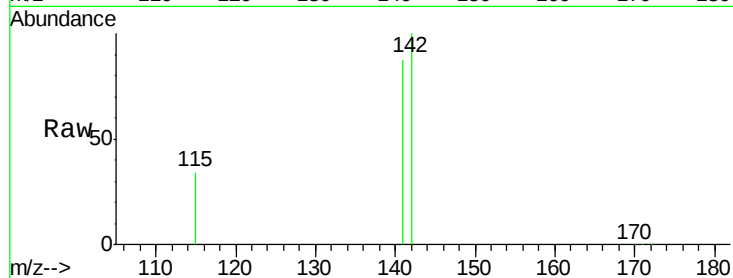
Tgt Ion:142 Resp: 29098

Ion Ratio Lower Upper

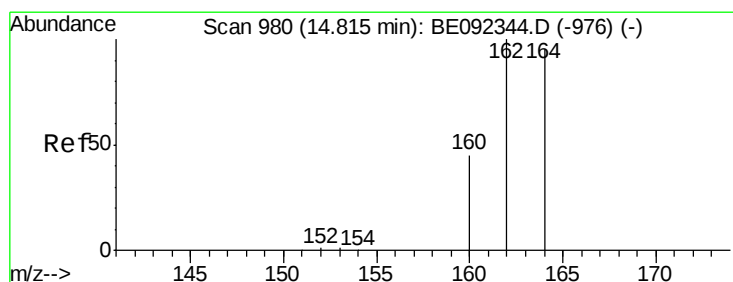
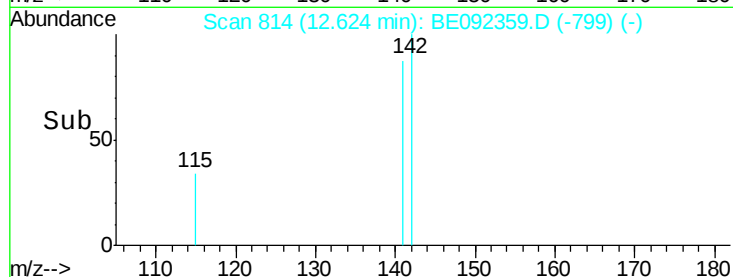
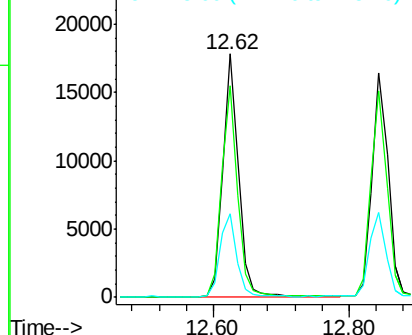
142 100

141 86.9 73.7 110.5

115 34.2 34.0 51.0



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: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

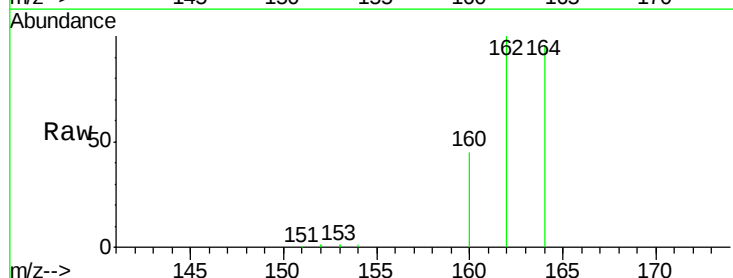
Tgt Ion:164 Resp: 29214

Ion Ratio Lower Upper

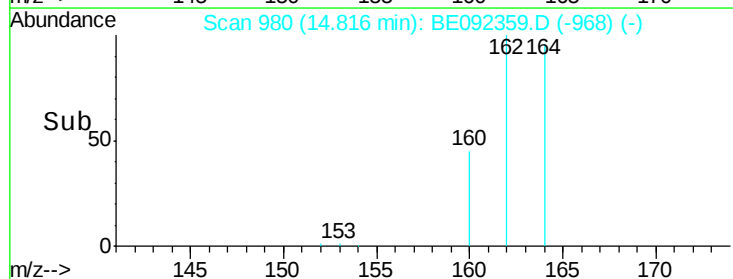
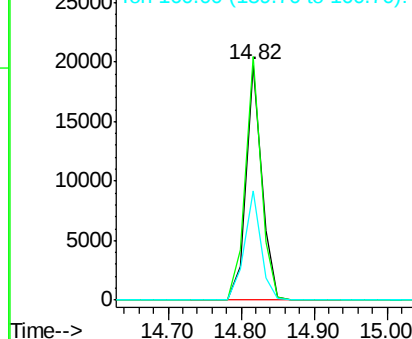
164 100

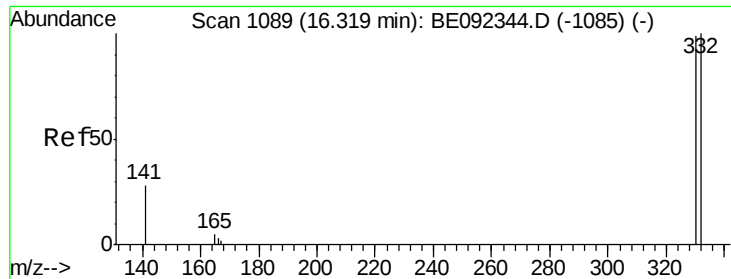
162 103.7 71.4 107.0

160 46.6 27.4 41.2#



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

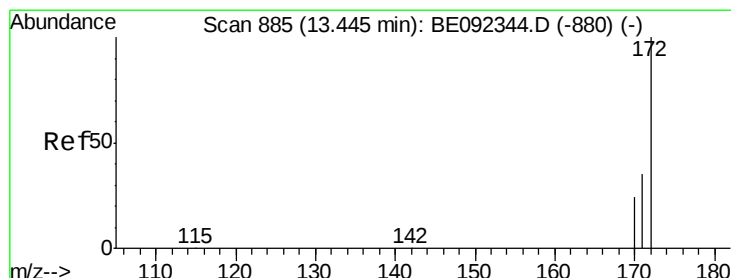
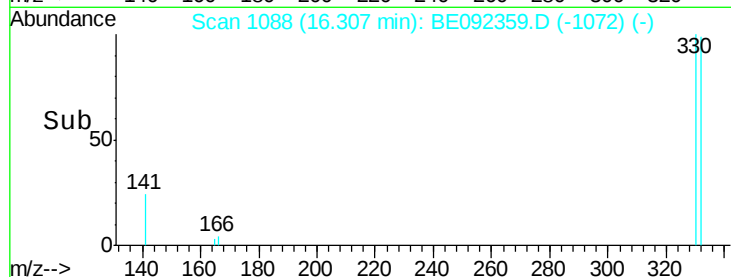
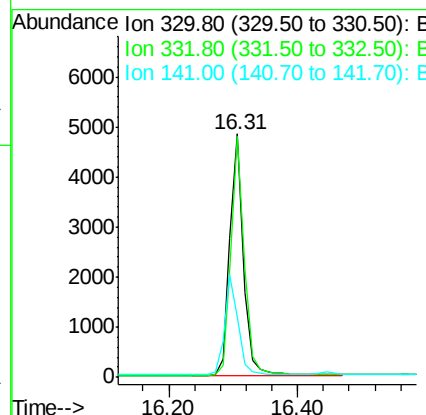
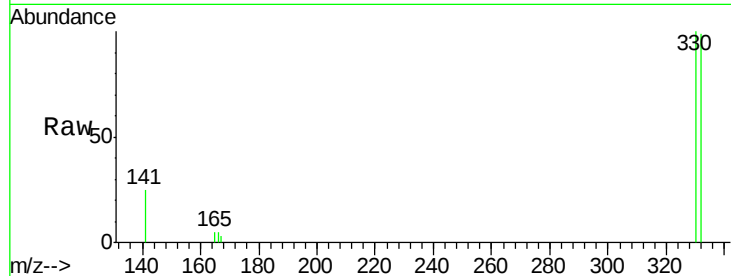




#13
 2,4,6-Tribromophenol
 Concen: 7.81 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092359.D
 Acq: 9 Sep 2016 17:47

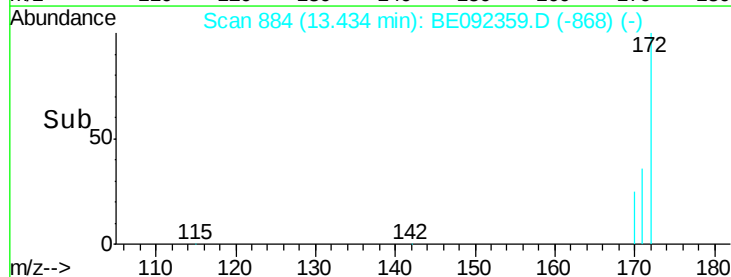
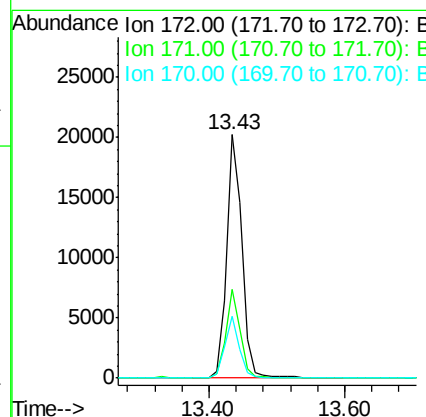
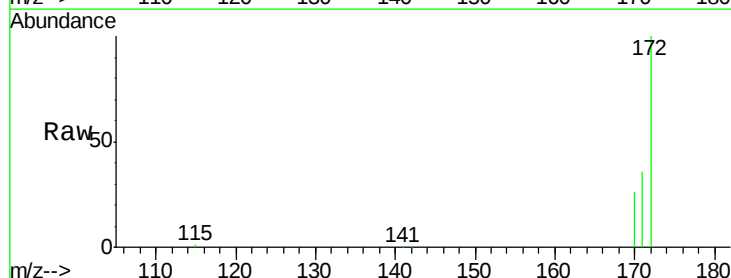
Instrument :
 BNA_E
 ClientSampleId :
 PB93313BSD

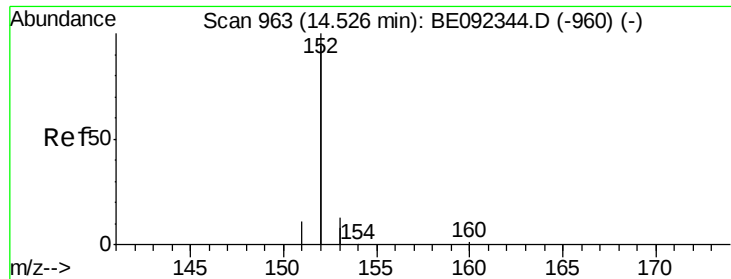
Tgt Ion:330 Resp: 7070
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.4 113.0
 141 41.7 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.56 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092359.D
 Acq: 9 Sep 2016 17:47

Tgt Ion:172 Resp: 31867
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.1 45.1
 170 25.5 21.8 32.6





#15

Acenaphthylene

Concen: 3.57 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

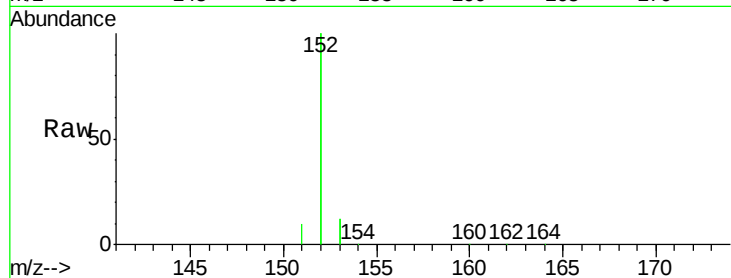
Tgt Ion:152 Resp: 179418

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

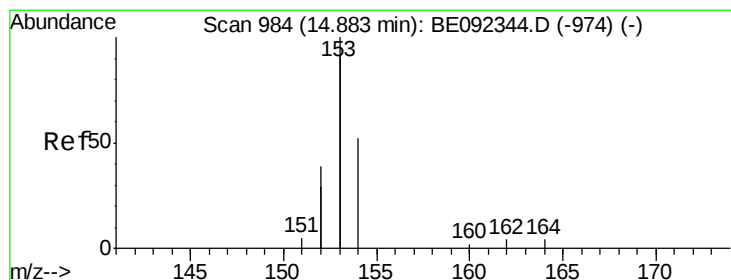
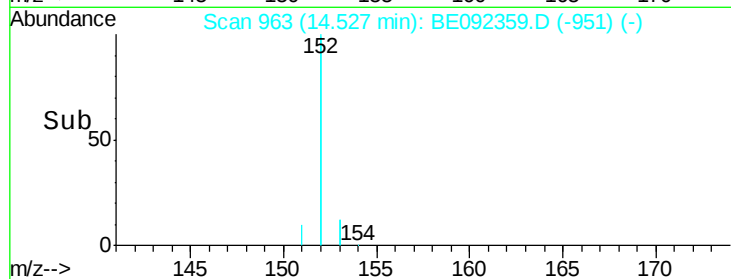
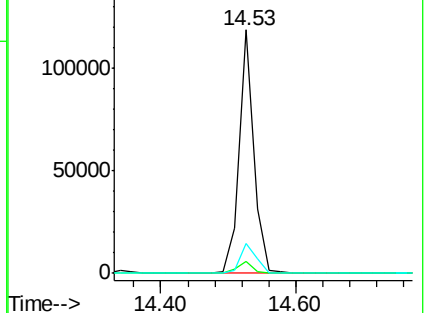
153 13.0 10.4 15.6



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: 3.30 ng

RT: 14.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

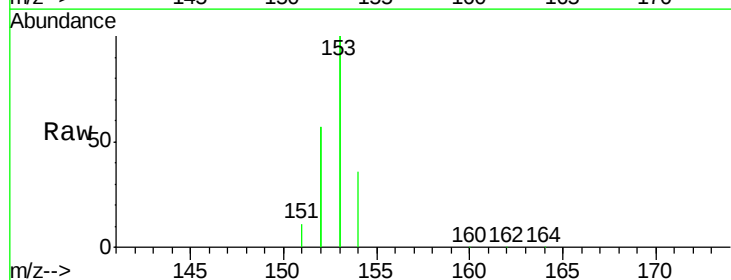
Tgt Ion:154 Resp: 26867

Ion Ratio Lower Upper

154 100

153 456.8 350.8 526.2

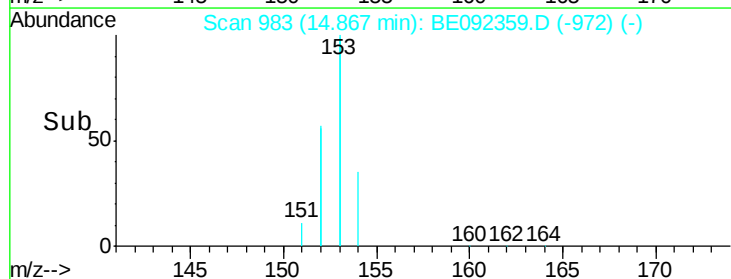
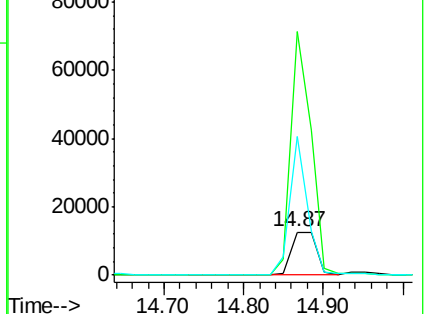
152 225.3 171.1 256.7

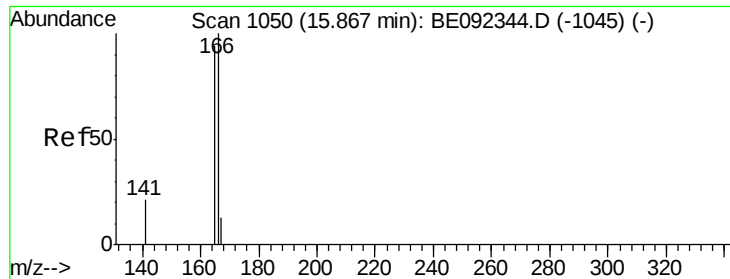


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 3.35 ng

RT: 15.86 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

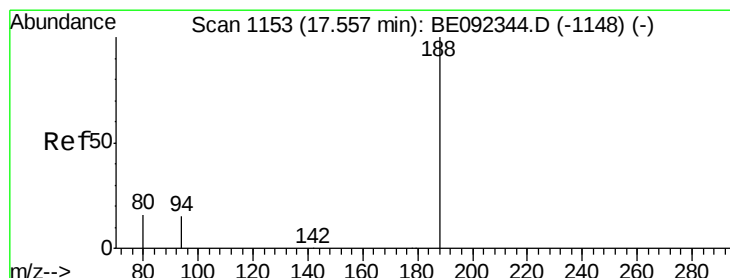
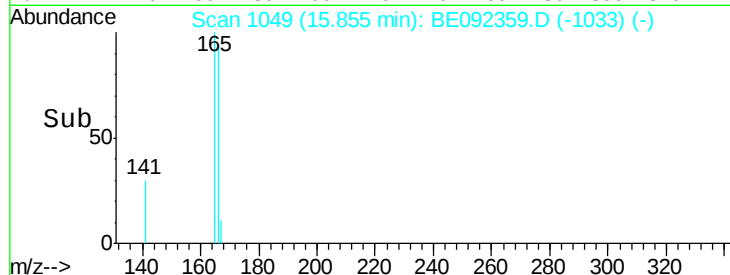
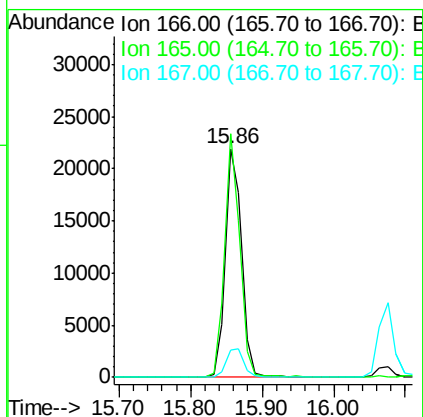
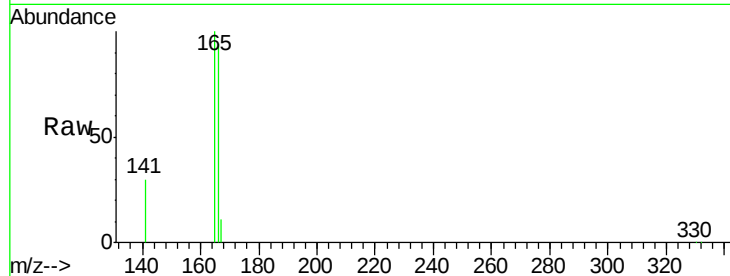
Tgt Ion:166 Resp: 34178

Ion Ratio Lower Upper

166 100

165 99.4 78.2 117.4

167 13.4 11.0 16.4



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

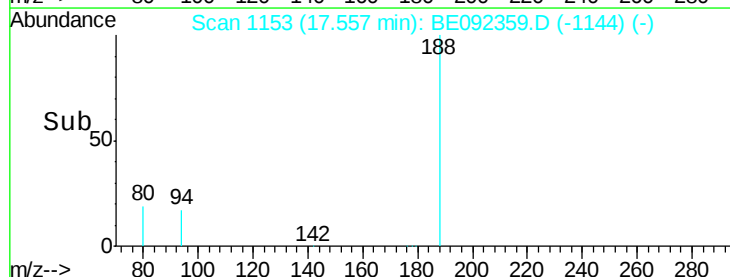
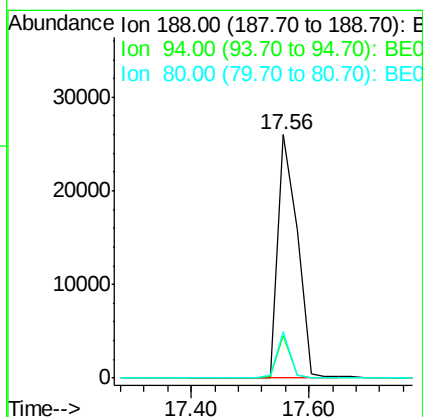
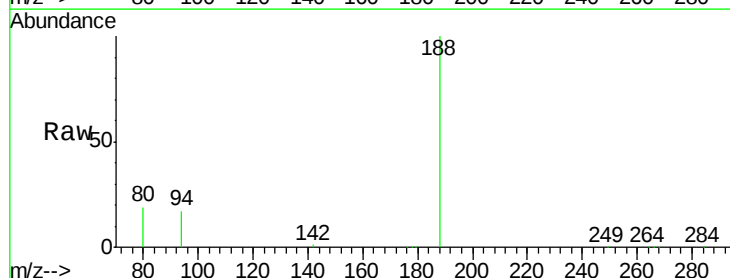
Tgt Ion:188 Resp: 58812

Ion Ratio Lower Upper

188 100

94 17.4 3.2 4.8#

80 18.9 2.6 3.8#

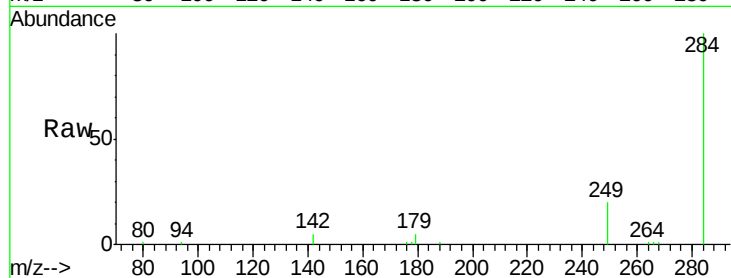




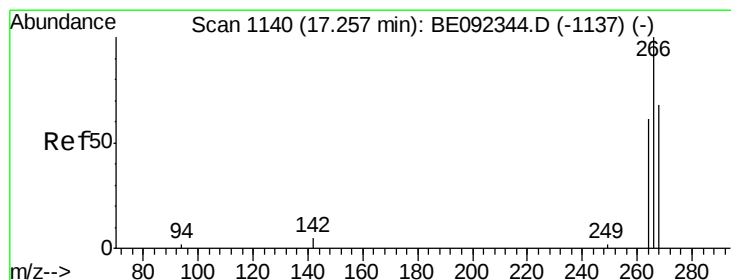
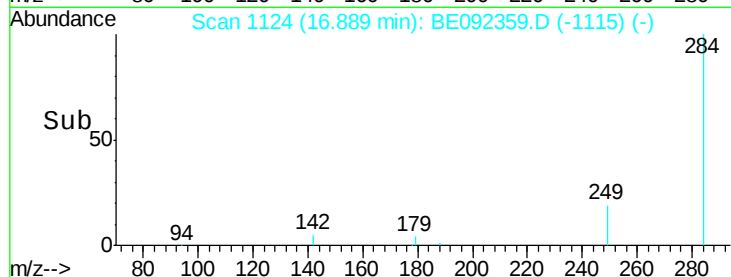
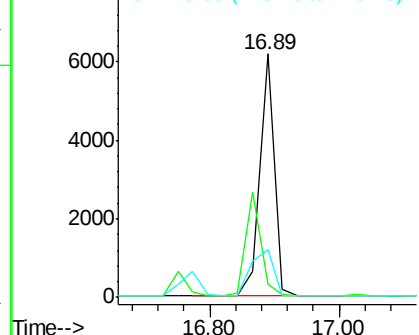
#19
Hexachlorobenzene
Concen: 3.43 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Instrument :
BNA_E
ClientSampleId :
PB93313BSD

Tgt Ion: 284 Resp: 9648
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 29.7 27.9 41.9

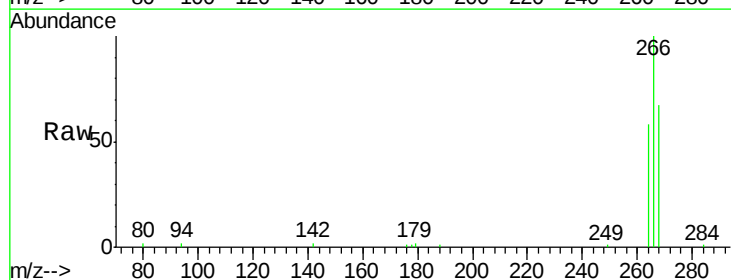


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

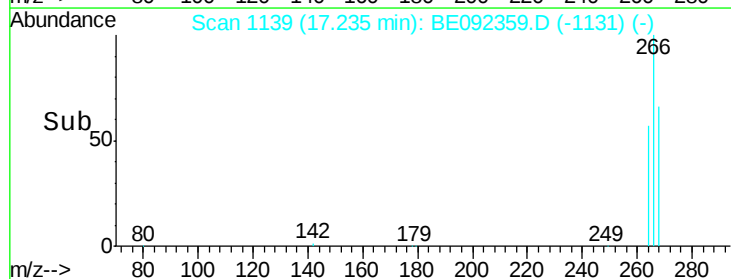
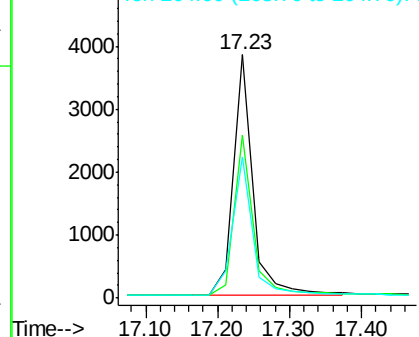


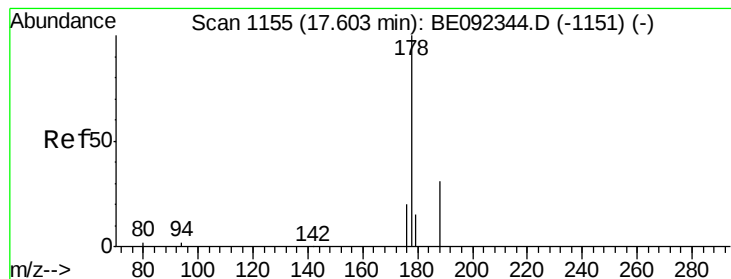
#20
Pentachlorophenol
Concen: 5.52 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion: 266 Resp: 7188
Ion Ratio Lower Upper
266 100
268 66.7 62.5 93.7
264 57.9 57.2 85.8



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: 3.63 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

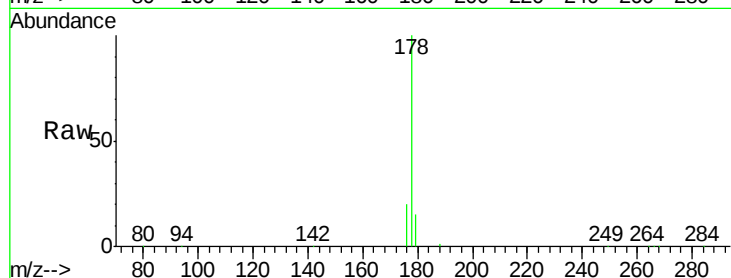
Tgt Ion:178 Resp: 59925

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

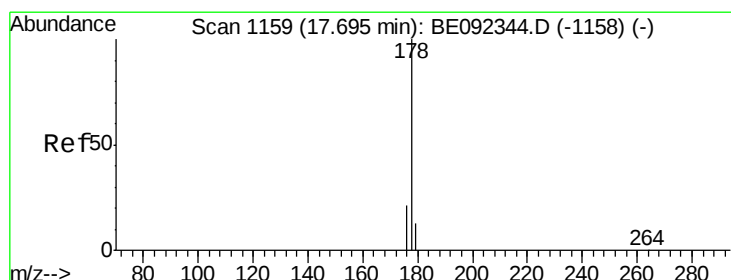
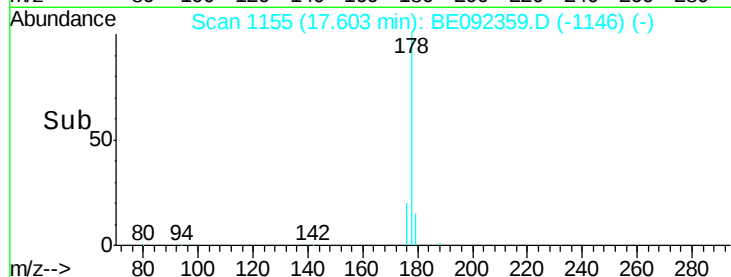
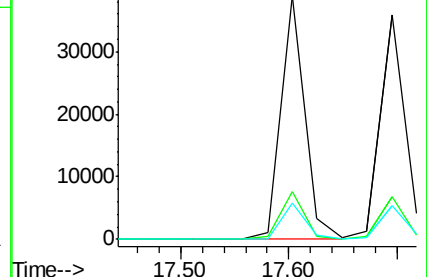
179 15.2 16.0 24.0#



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



#22

Anthracene

Concen: 3.90 ng

RT: 17.70 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

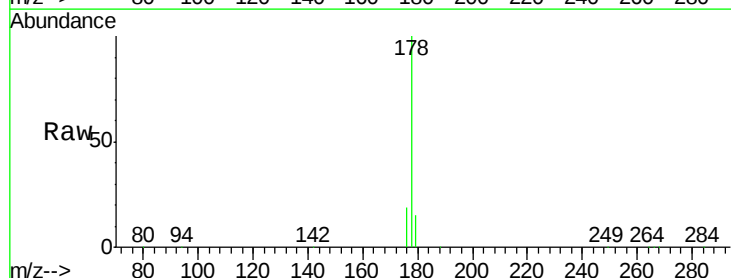
Tgt Ion:178 Resp: 57350

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

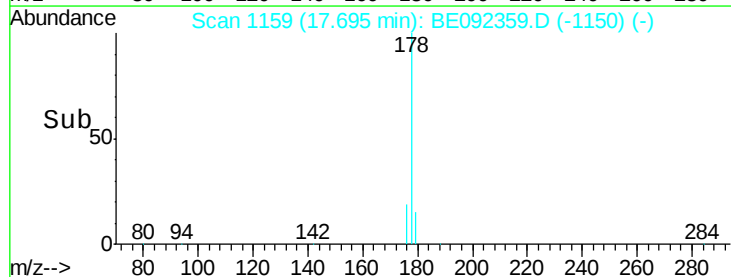
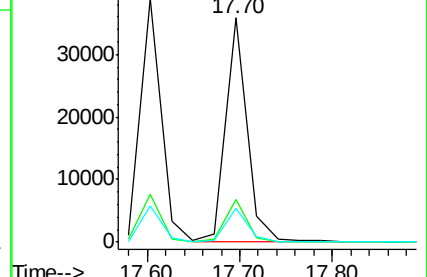
179 15.0 12.2 18.2

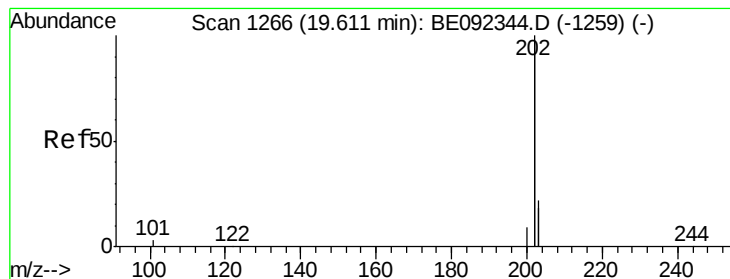


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 3.14 ng

RT: 19.59 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampled :

PB93313BSD

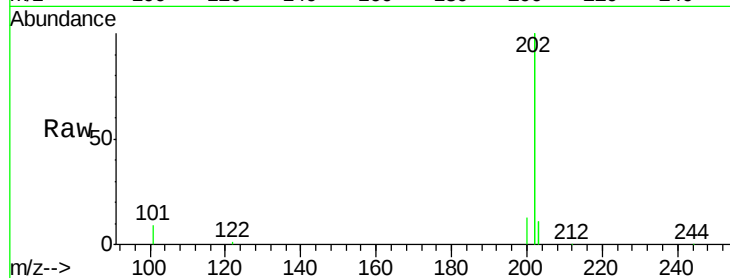
Tgt Ion: 202 Resp: 226384

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

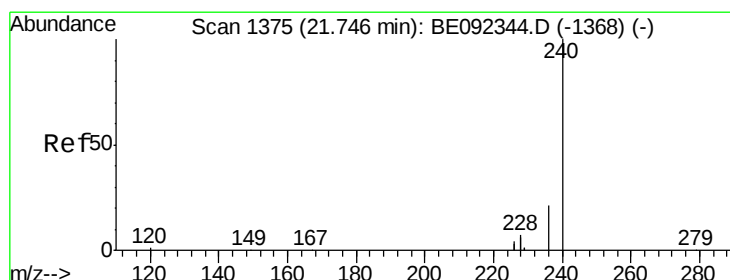
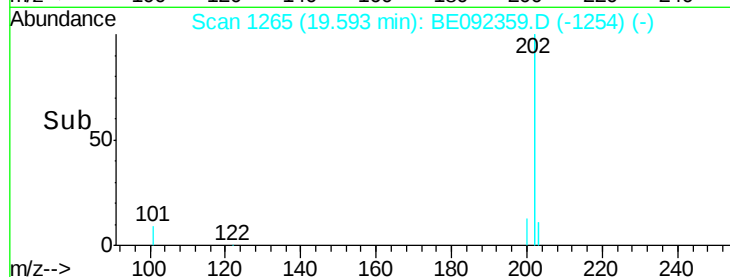
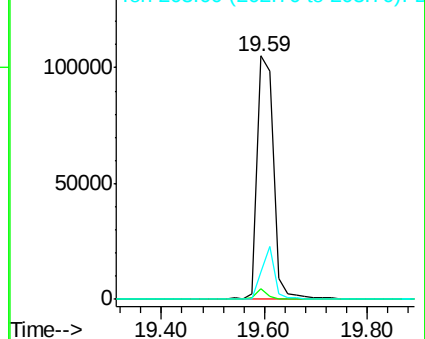
203 17.5 13.7 20.5



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: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

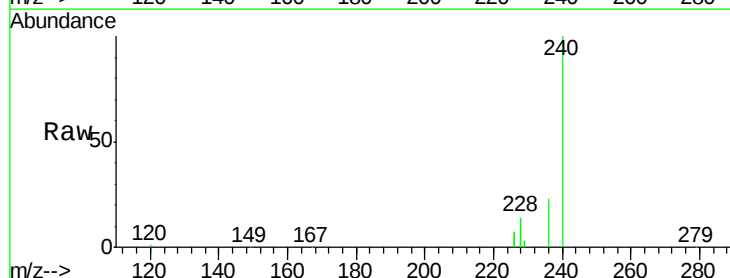
Tgt Ion: 240 Resp: 59207

Ion Ratio Lower Upper

240 100

120 0.9 2.6 4.0#

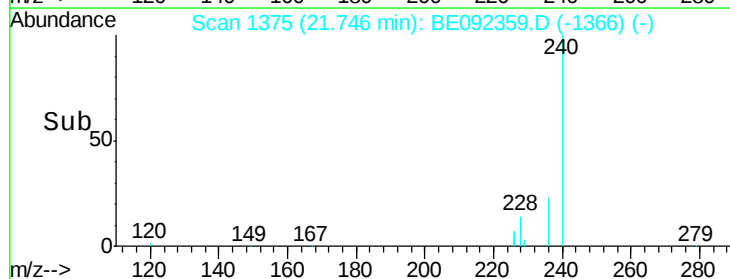
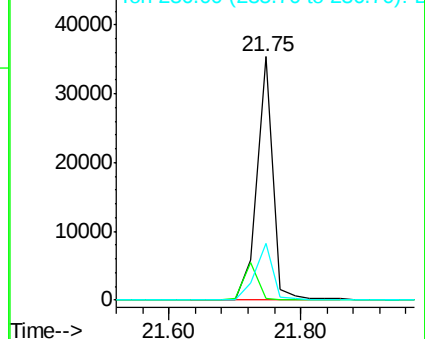
236 23.2 24.6 37.0#



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

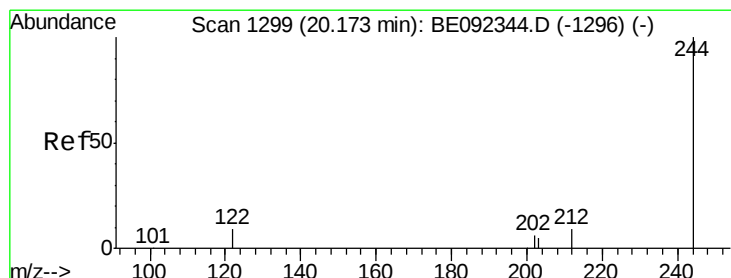
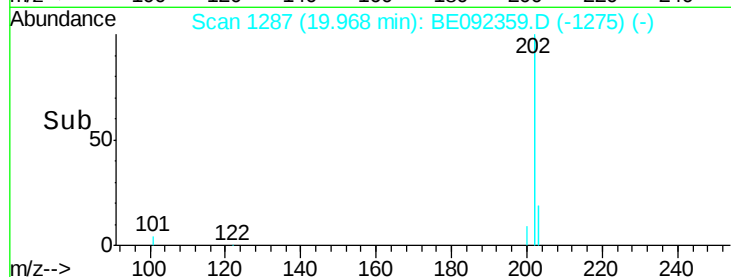
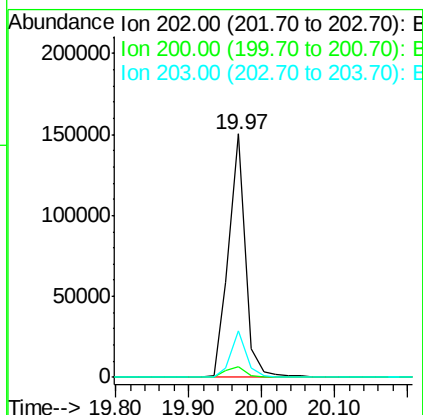
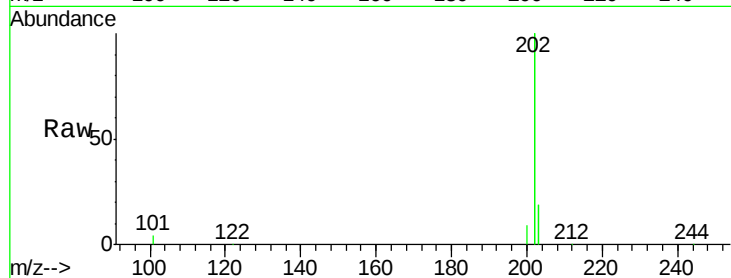




#25
 Pyrene
 Concen: 4.14 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: BE092359.D
 Acq: 9 Sep 2016 17:47

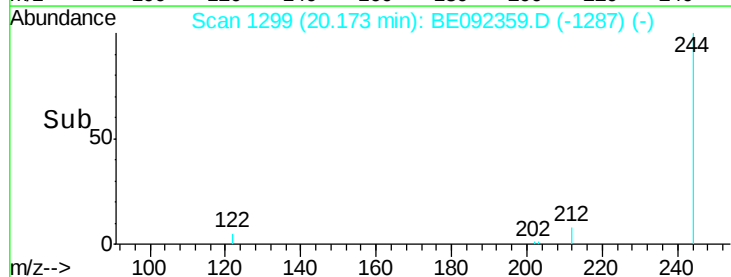
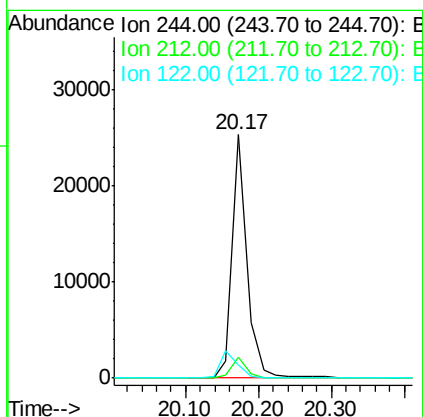
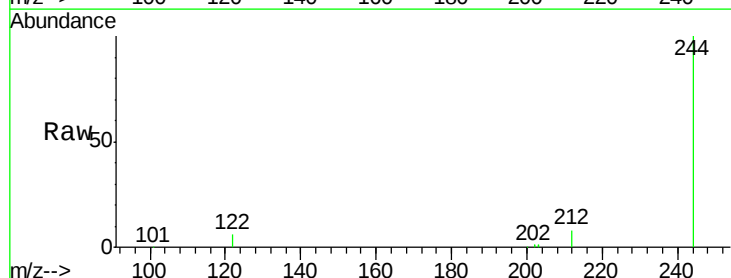
Instrument :
 BNA_E
 ClientSampleId :
 PB93313BSD

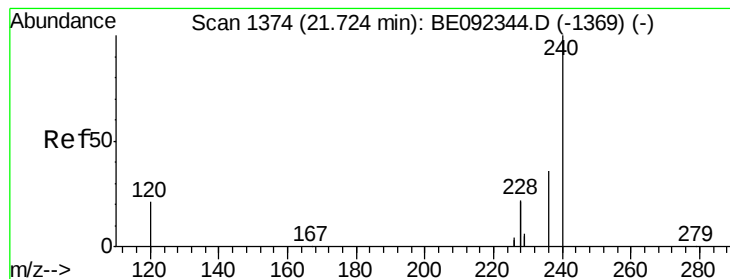
Tgt Ion: 202 Resp: 238396
 Ion Ratio Lower Upper
 202 100
 200 5.2 4.2 6.4
 203 17.9 13.9 20.9



#26
 Terphenyl-d14
 Concen: 4.01 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BE092359.D
 Acq: 9 Sep 2016 17:47

Tgt Ion: 244 Resp: 35155
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.7 10.1
 122 5.5 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 3.34 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

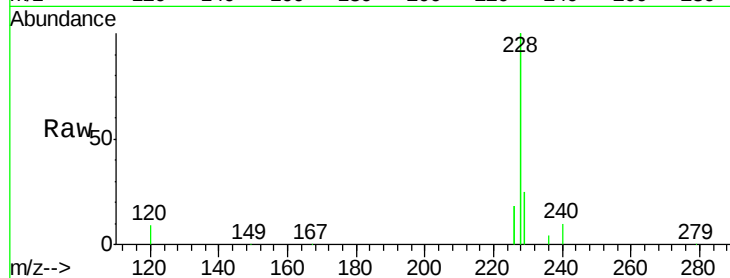
Tgt Ion:228 Resp: 213236

Ion Ratio Lower Upper

228 100

226 17.7 23.6 35.4#

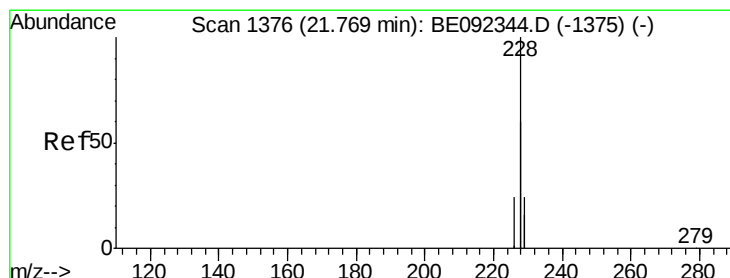
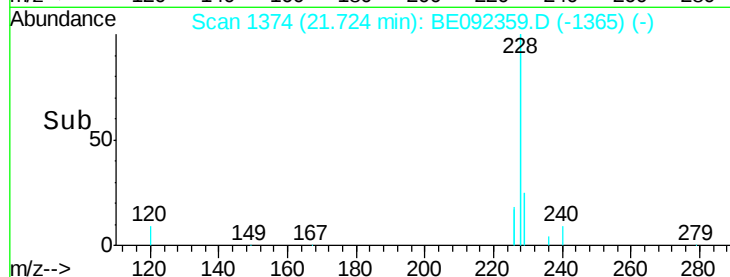
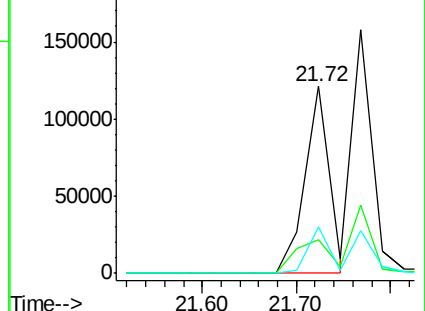
229 25.0 13.3 19.9#



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: 3.58 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

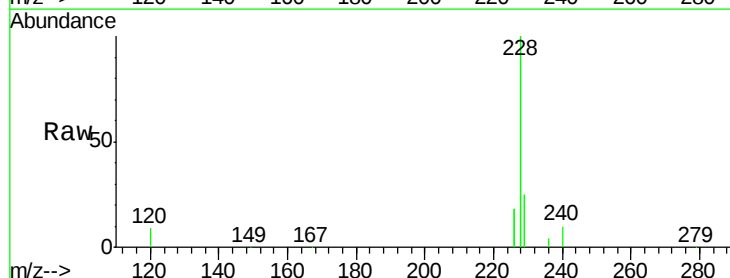
Tgt Ion:228 Resp: 213190

Ion Ratio Lower Upper

228 100

226 17.7 36.3 54.5#

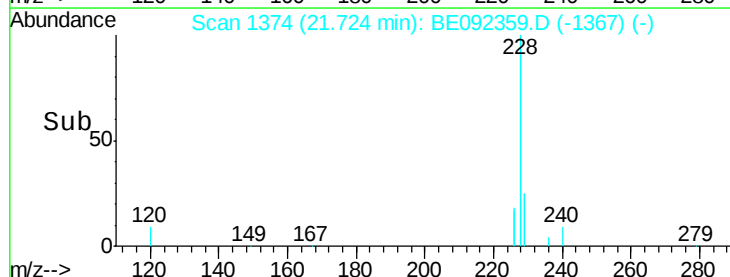
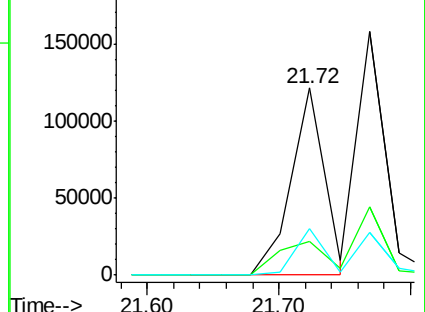
229 25.0 10.6 16.0#

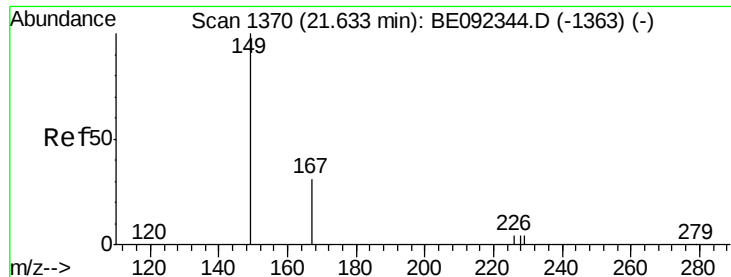


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 4.37 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

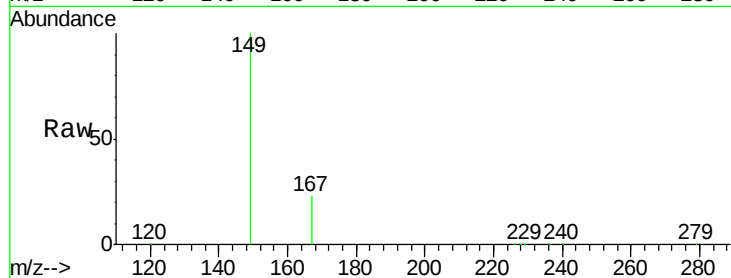
Tgt Ion:149 Resp: 33180

Ion Ratio Lower Upper

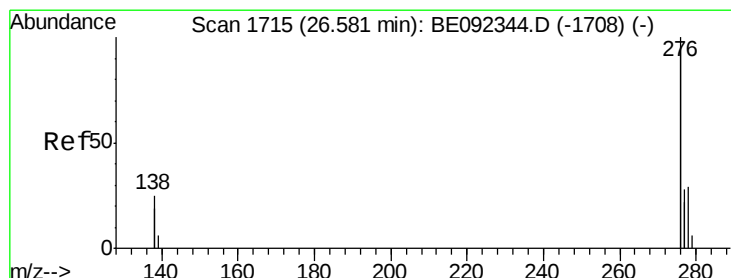
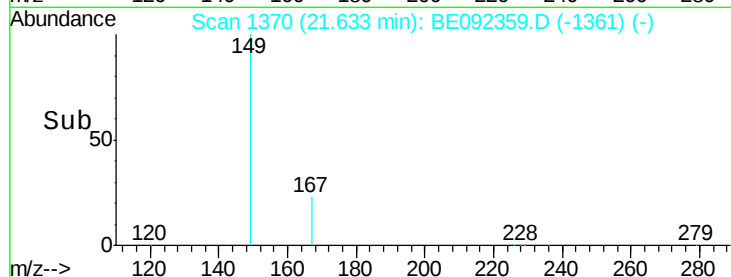
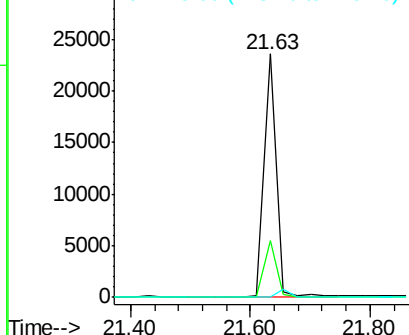
149 100

167 23.1 16.0 24.0

279 0.0 16.0 24.0#



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: 3.81 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

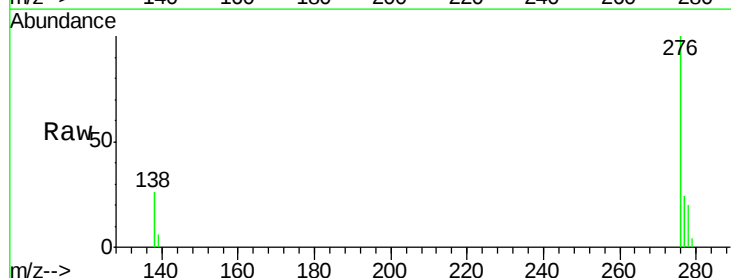
Tgt Ion:276 Resp: 256586

Ion Ratio Lower Upper

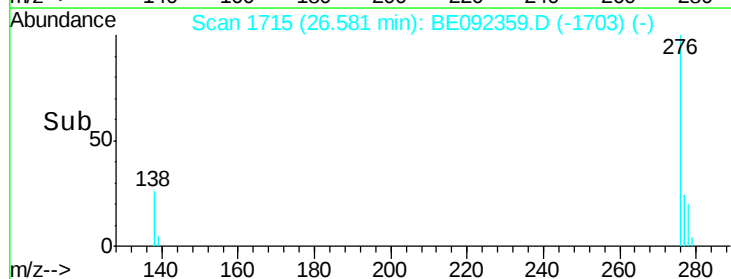
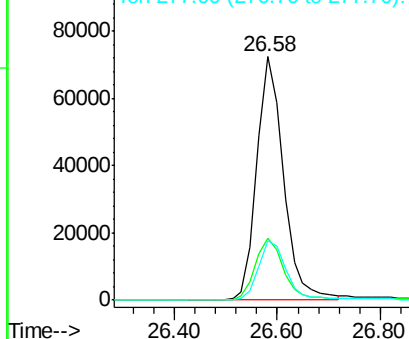
276 100

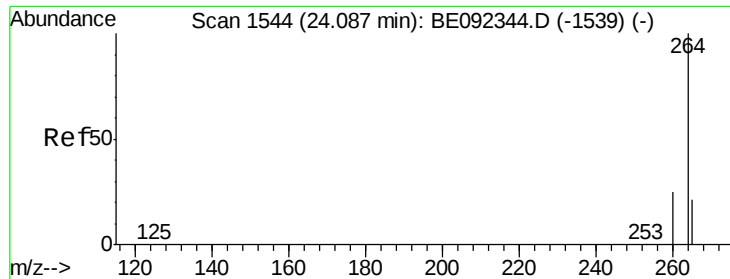
138 26.5 20.3 30.5

277 24.9 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

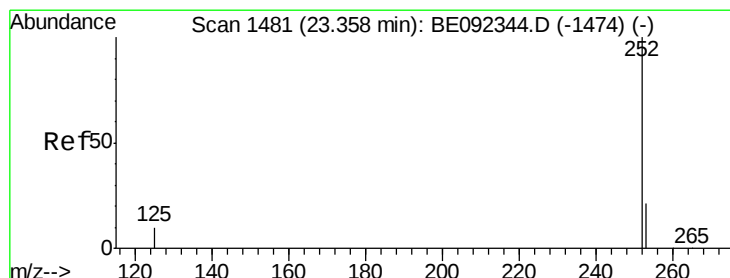
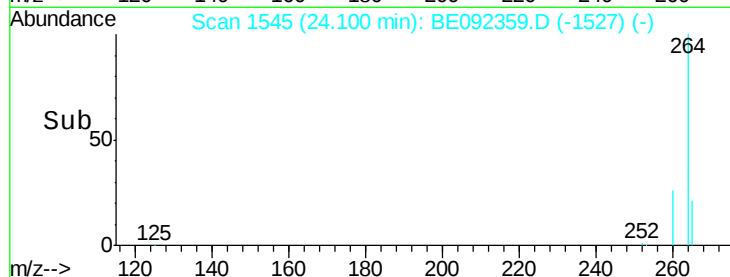
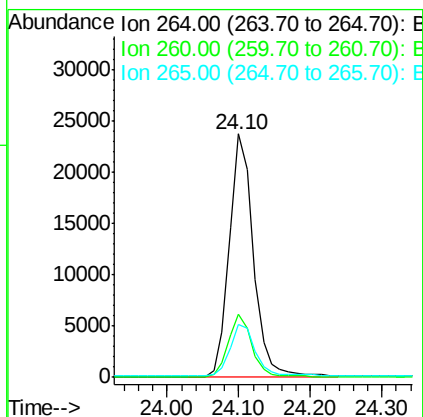
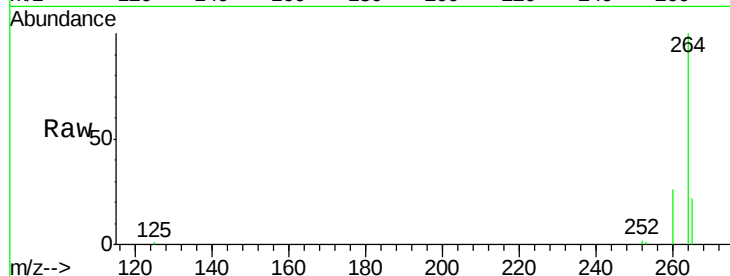




#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.10 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BE092359.D
 Acq: 9 Sep 2016 17:47

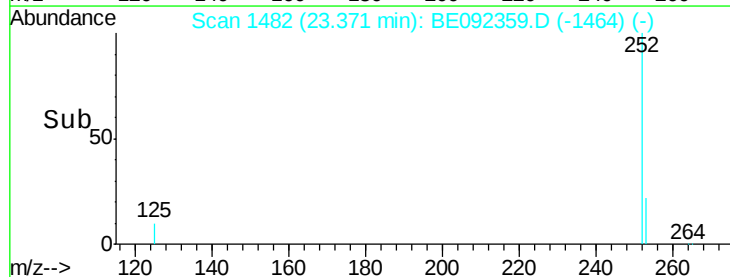
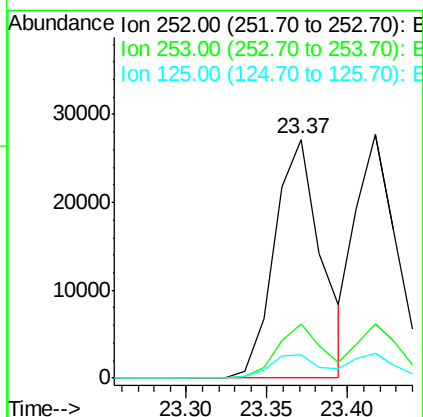
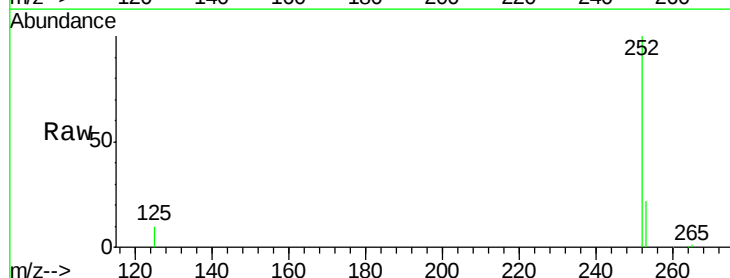
Instrument :
 BNA_E
 ClientSampleId :
 PB93313BSD

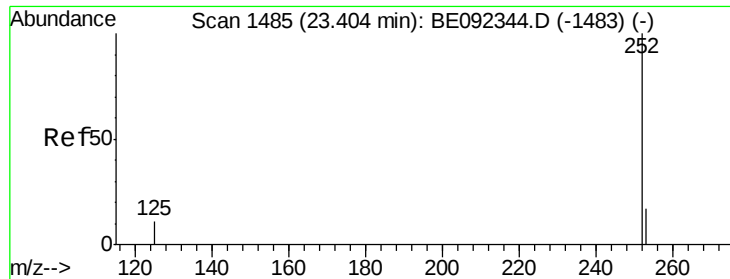
Tgt Ion: 264 Resp: 55440
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.1 30.1
 265 21.7 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 3.83 ng
 RT: 23.37 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BE092359.D
 Acq: 9 Sep 2016 17:47

Tgt Ion: 252 Resp: 54499
 Ion Ratio Lower Upper
 252 100
 253 22.4 18.7 28.1
 125 9.9 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 3.39 ng

RT: 23.42 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

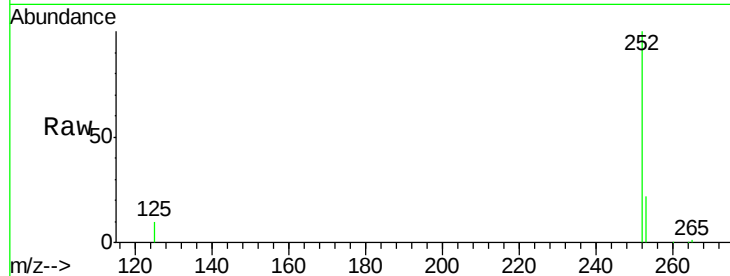
Tgt Ion:252 Resp: 51001

Ion Ratio Lower Upper

252 100

253 22.2 20.3 30.5

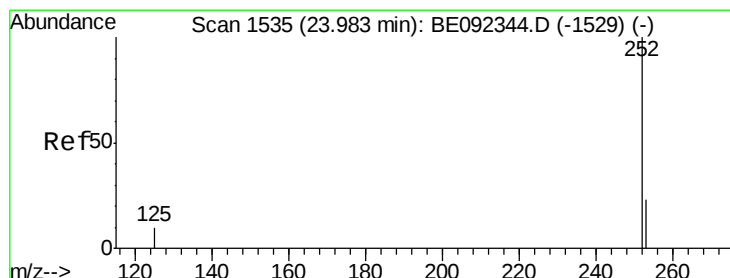
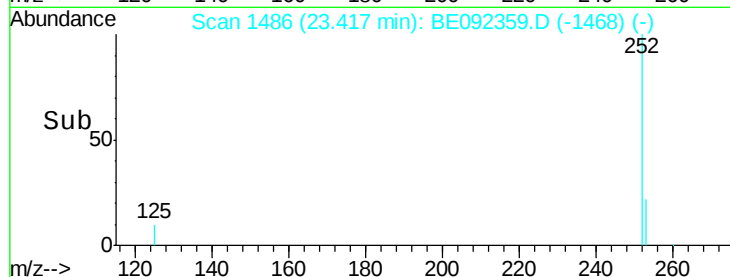
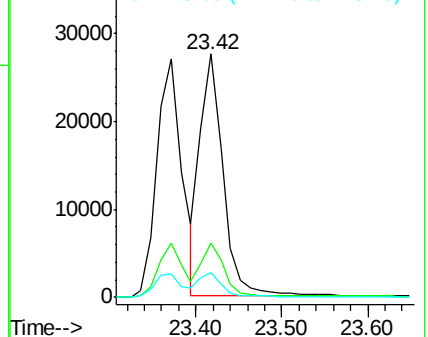
125 10.1 9.6 14.4



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: 3.65 ng

RT: 23.98 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

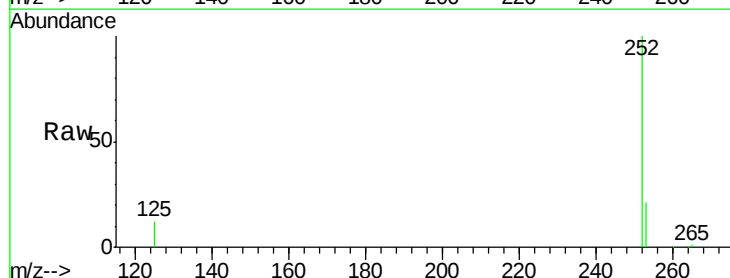
Tgt Ion:252 Resp: 51212

Ion Ratio Lower Upper

252 100

253 20.9 19.0 28.6

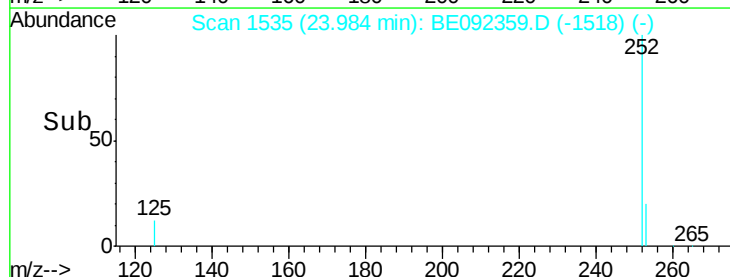
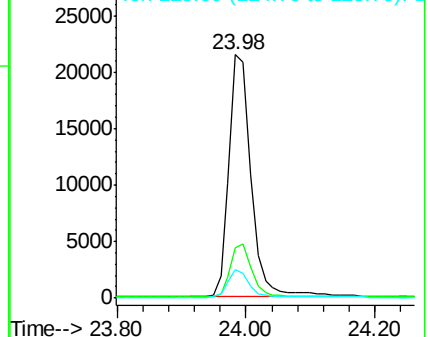
125 11.9 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 4.15 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.02 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

Instrument :

BNA_E

ClientSampleId :

PB93313BSD

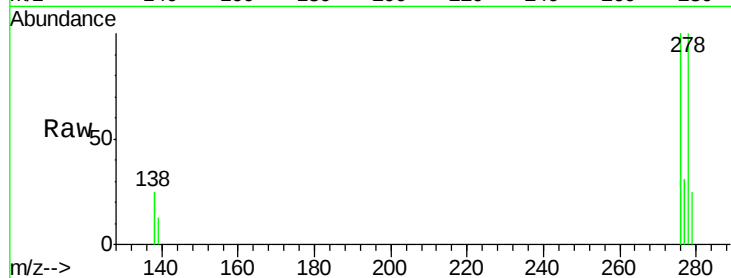
Tgt Ion:278 Resp: 53830

Ion Ratio Lower Upper

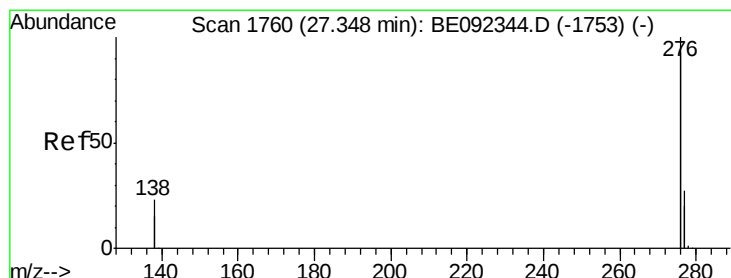
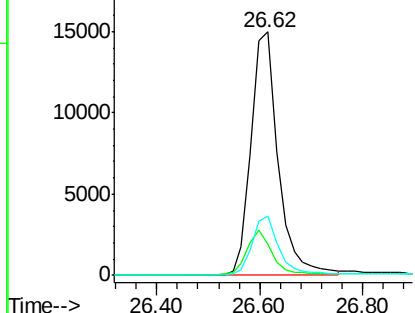
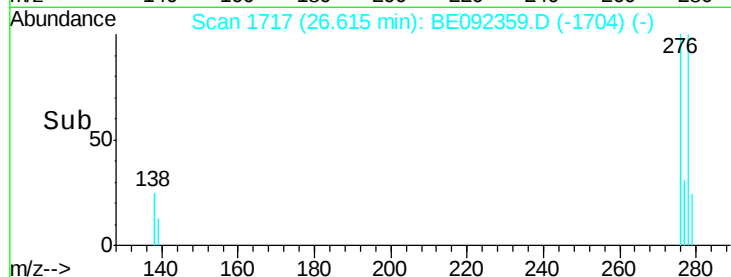
278 100

139 13.0 13.8 20.8#

279 24.5 21.4 32.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#36

Benzo(g,h,i)perylene

Concen: 4.06 ng

RT: 27.35 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BE092359.D

Acq: 9 Sep 2016 17:47

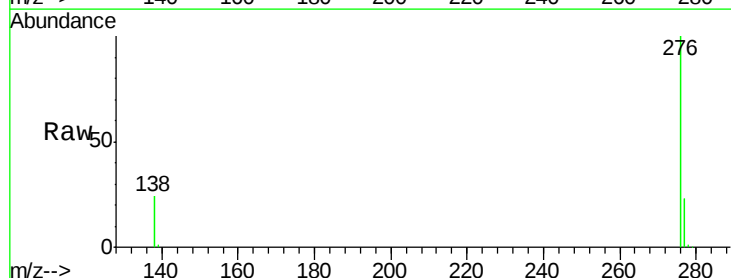
Tgt Ion:276 Resp: 222135

Ion Ratio Lower Upper

276 100

277 23.1 19.8 29.8

138 23.9 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

