

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032917\
 Data File : BE092865.D
 Acq On : 29 Mar 2017 13:32
 Operator : SJ/MA
 Sample : PB97794BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB97794BSD

Quant Time: Mar 30 01:42:01 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 29 17:47:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	10148	5.00	ng	-0.02
7) Naphthalene-d8	10.54	136	43020	5.00	ng	0.00
12) Acenaphthene-d10	14.40	164	19275	5.00	ng	0.00
18) Phenanthrene-d10	17.13	188	37600	5.00	ng	-0.02
24) Chrysene-d12	21.28	240	39182	5.00	ng	-0.02
31) Perylene-d12	23.70	264	29983	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	21417	9.06	ng	0.00
5) Phenol-d6	6.94	99	30209	8.71	ng	0.00
8) Nitrobenzene-d5	8.90	82	11380	4.61	ng	-0.02
13) 2,4,6-Tribromophenol	15.88	330	3243	10.77	ng	0.00
14) 2-Fluorobiphenyl	13.02	172	26260	4.13	ng	-0.01
26) Terphenyl-d14	19.74	244	22787	3.36	ng	-0.02

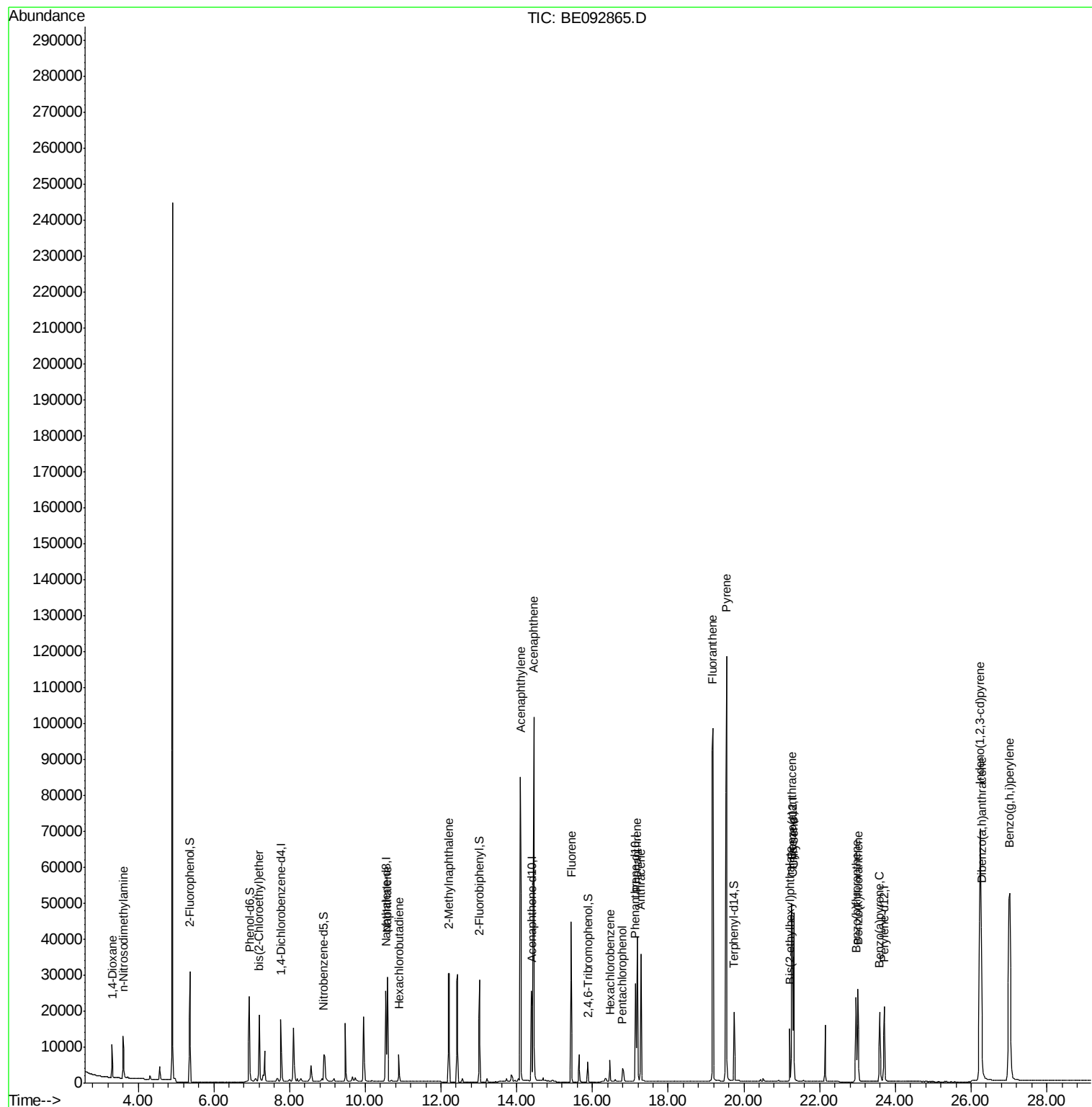
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	5144	3.79	ng	100
3) n-Nitrosodimethylamine	3.61	42	6687	4.77	ng	82
6) bis(2-Chloroethyl)ether	7.20	93	14054	4.26	ng	# 48
9) Naphthalene	10.58	128	38526	4.09	ng	# 95
10) Hexachlorobutadiene	10.89	225	5320	4.21	ng	100
11) 2-Methylnaphthalene	12.21	142	24228	4.05	ng	# 85
15) Acenaphthylene	14.09	152	128555	4.35	ng	100
16) Acenaphthene	14.45	154	22567	4.28	ng	97
17) Fluorene	15.44	166	25880	4.12	ng	99
19) Hexachlorobenzene	16.47	284	6693	4.80	ng	# 64
20) Pentachlorophenol	16.79	266	3858	8.37	ng	# 76
21) Phenanthrene	17.18	178	44890	4.91	ng	# 94
22) Anthracene	17.27	178	40813	4.91	ng	99
23) Fluoranthene	19.18	202	160656	3.82	ng	98
25) Pyrene	19.54	202	166896	4.28	ng	98
27) Benzo(a)anthracene	21.26	228	43513	4.69	ng	94
28) Chrysene	21.31	228	36658	3.74	ng	# 77
29) Bis(2-ethylhexyl)phthalate	21.21	149	13529	4.10	ng	# 76
30) Indeno(1,2,3-cd)pyrene	26.24	276	146767	3.98	ng	# 93
32) Benzo(b)fluoranthene	22.96	252	33953	4.25	ng	98
33) Benzo(k)fluoranthene	23.01	252	32152	4.50	ng	95
34) Benzo(a)pyrene	23.59	252	29254	4.43	ng	96
35) Dibenzo(a,h)anthracene	26.27	278	31932	4.55	ng	96
36) Benzo(g,h,i)perylene	27.02	276	127005	4.37	ng	100

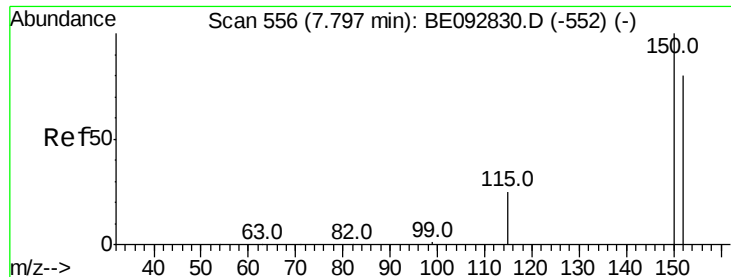
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

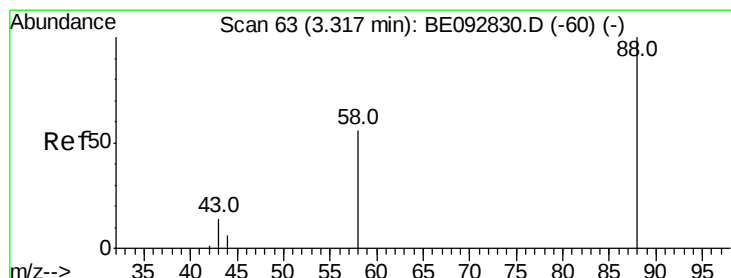
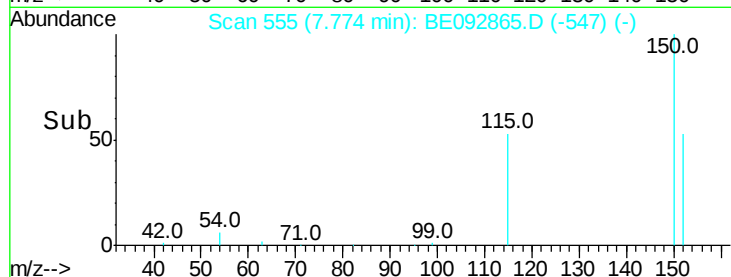
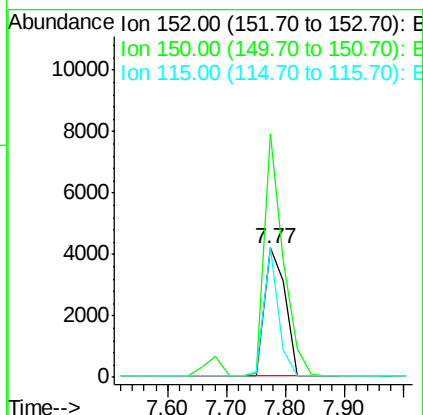
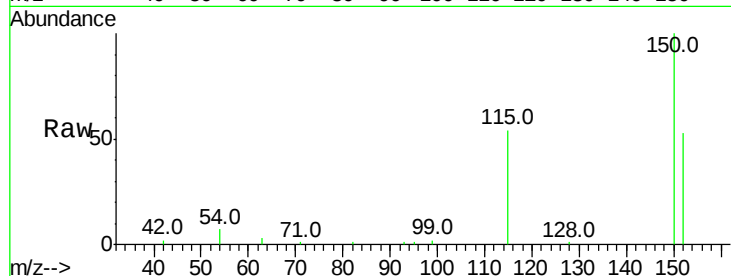
Tot Ion:152 Resp: 10148

Ion Ratio Lower Upper

152 100

150 188.1 106.0 159.0#

115 100.6 31.2 46.8#



#2

1,4-Dioxane

Concen: 3.79 ng

RT: 3.32 min Scan# 63

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

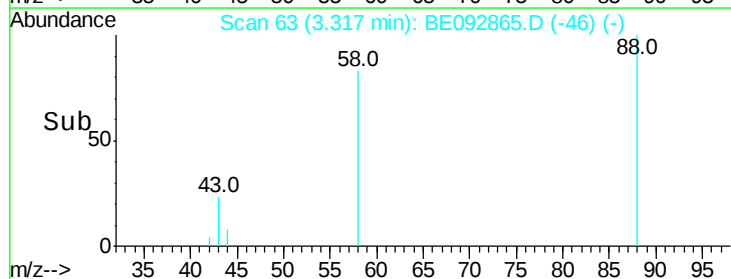
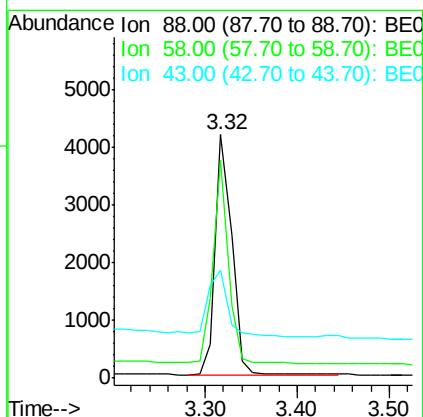
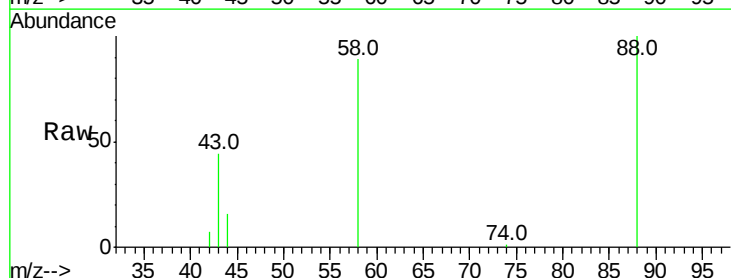
Tgt Ion: 88 Resp: 5144

Ion Ratio Lower Upper

88 100

58 79.3 63.6 95.4

43 34.9 28.0 42.0





#3

n-Nitrosodimethylamine

Concen: 4.77 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

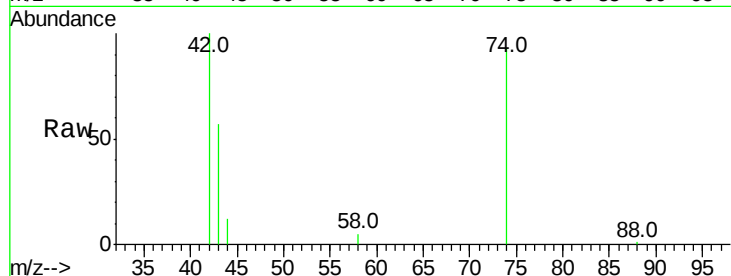
Tot Ion: 42 Resp: 6687

Ion Ratio Lower Upper

42 100

74 127.8 86.0 129.0

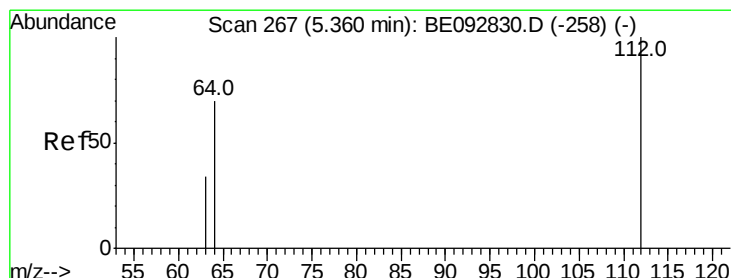
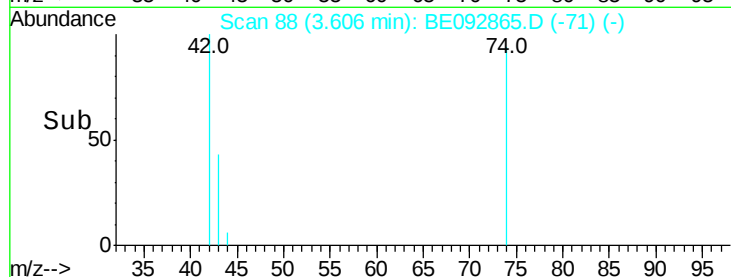
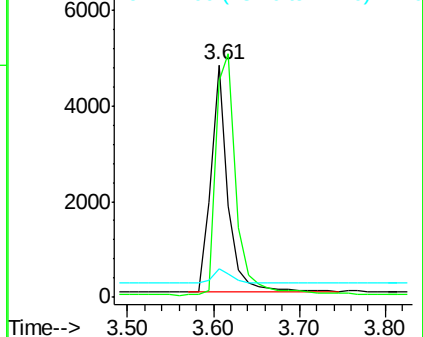
44 7.2 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BE092830.D (-84) (-)

Ion 74.00 (73.70 to 74.70): BE092830.D (-84) (-)

Ion 44.00 (43.70 to 44.70): BE092830.D (-84) (-)



#4

2-Fluorophenol

Concen: 9.06 ng

RT: 5.37 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

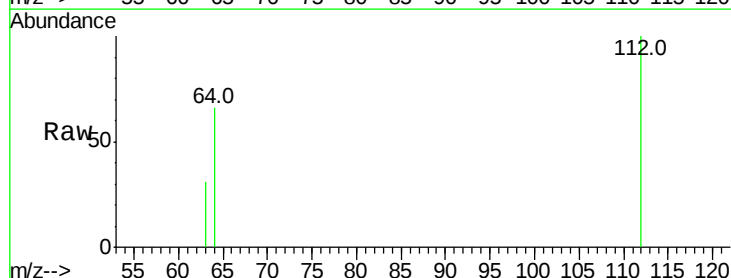
Tgt Ion: 112 Resp: 21417

Ion Ratio Lower Upper

112 100

64 69.2 53.5 80.3

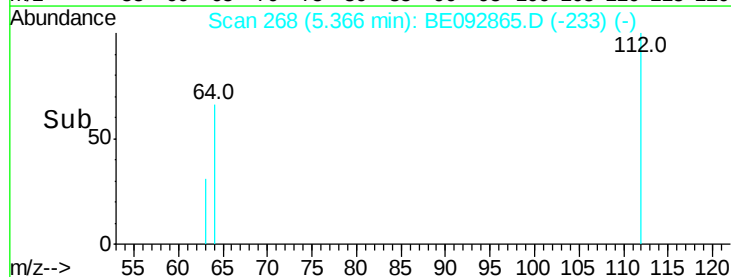
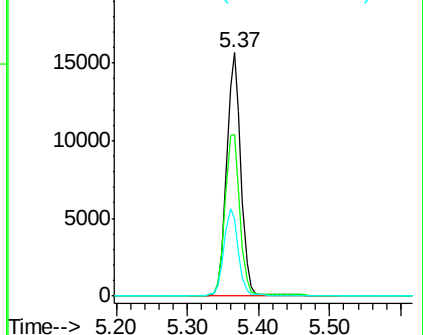
63 35.6 27.9 41.9

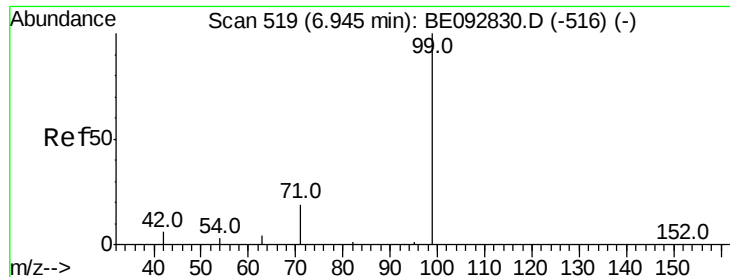


Abundance Ion 112.00 (111.70 to 112.70): BE092830.D (-258) (-)

Ion 64.00 (63.70 to 64.70): BE092830.D (-258) (-)

Ion 63.00 (62.70 to 63.70): BE092830.D (-258) (-)





#5

Phenol-d6

Concen: 8.71 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

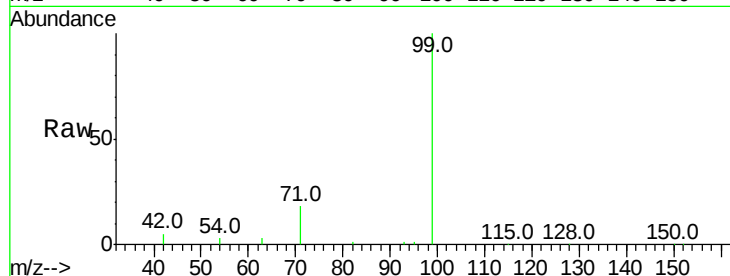
Tot Ion: 99 Resp: 30209

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

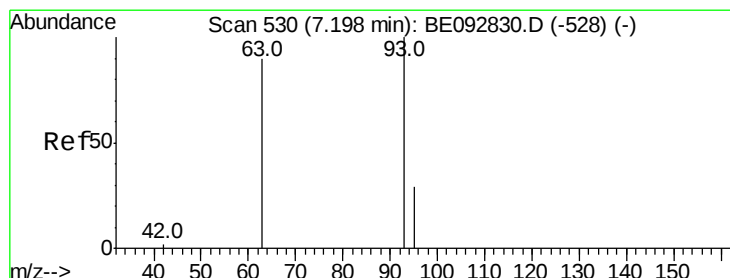
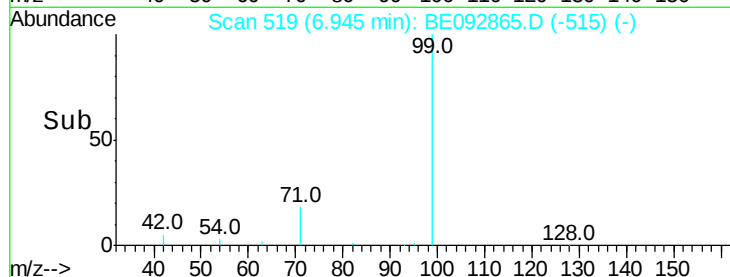
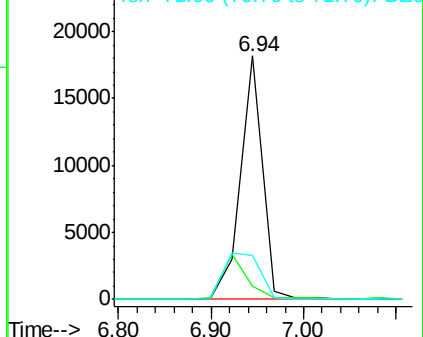
71 0.0 30.6 45.8#



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



#6

bis(2-Chloroethyl)ether

Concen: 4.26 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

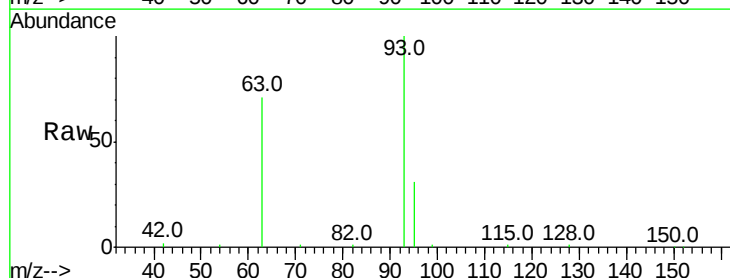
Tgt Ion: 93 Resp: 14054

Ion Ratio Lower Upper

93 100

63 78.5 16.0 24.0#

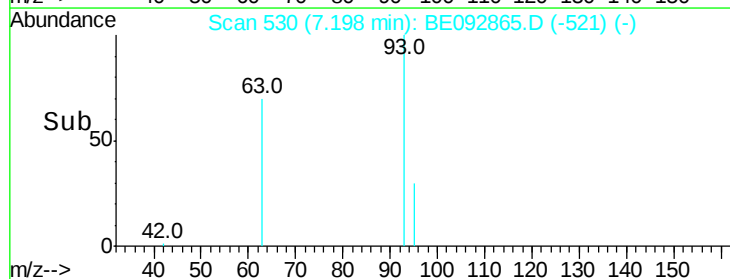
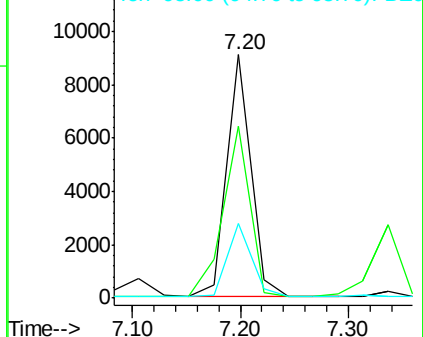
95 31.0 24.0 36.0

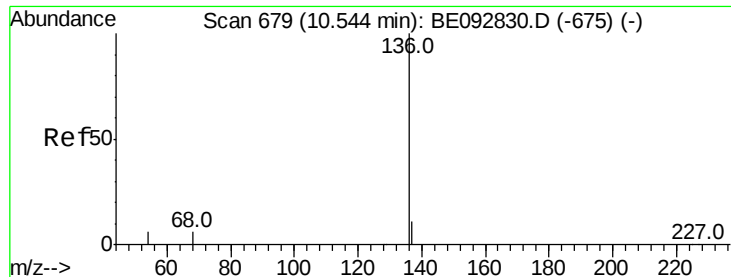


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.54 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

Tot Ion:136 Resp: 43020

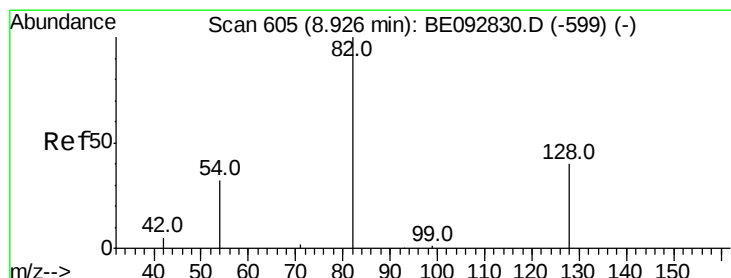
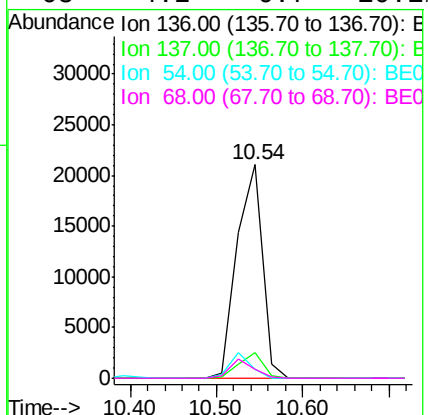
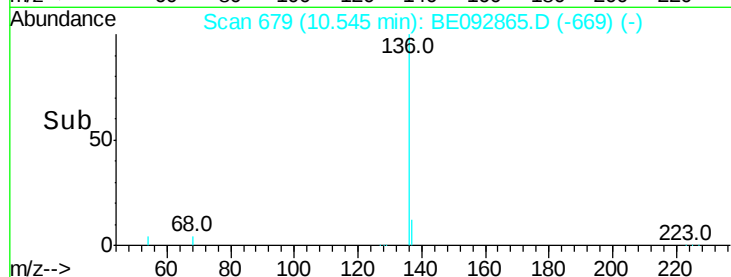
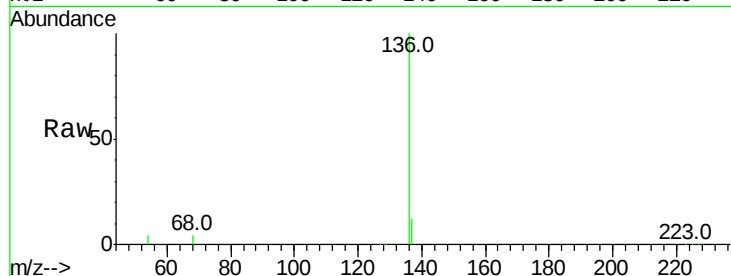
Ion Ratio Lower Upper

136 100

137 11.8 8.2 12.4

54 4.1 9.6 14.4#

68 4.2 6.7 10.1#



#8

Nitrobenzene-d5

Concen: 4.61 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

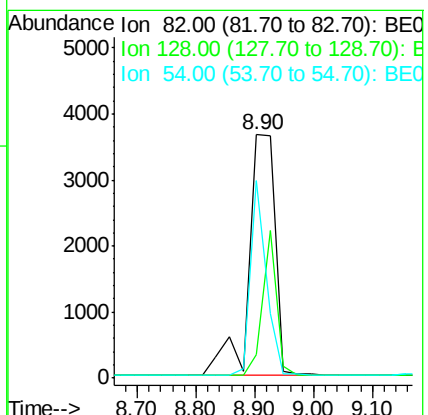
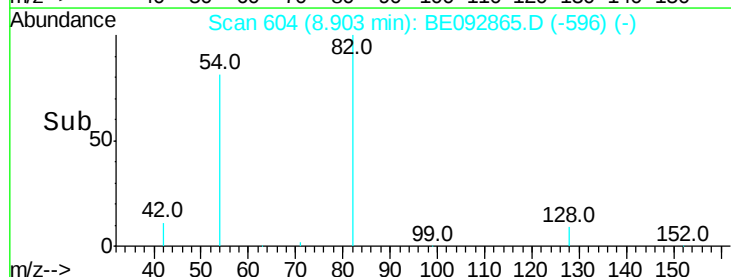
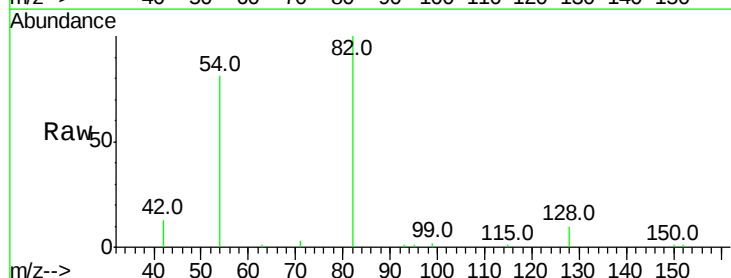
Tgt Ion: 82 Resp: 11380

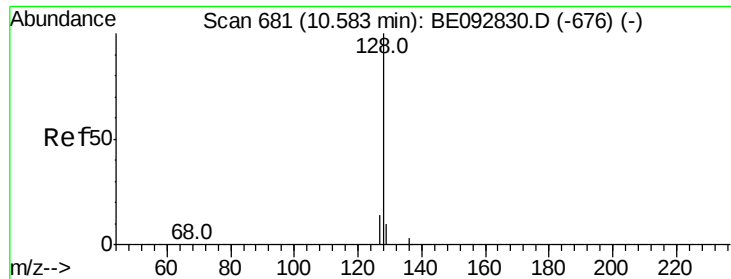
Ion Ratio Lower Upper

82 100

128 9.8 39.0 58.4#

54 80.9 44.8 67.2#





#9

Naphthalene

Concen: 4.09 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

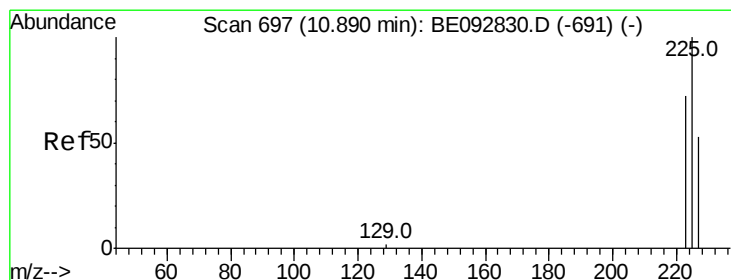
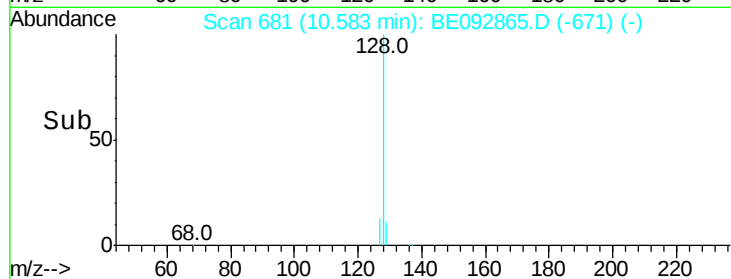
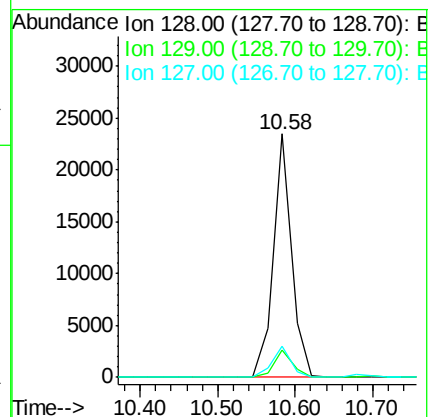
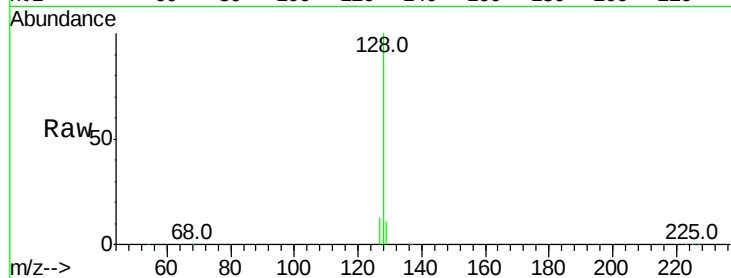
Tot Ion:128 Resp: 38526

Ion Ratio Lower Upper

128 100

129 11.1 11.2 16.8#

127 13.0 11.6 17.4



#10

Hexachlorobutadiene

Concen: 4.21 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

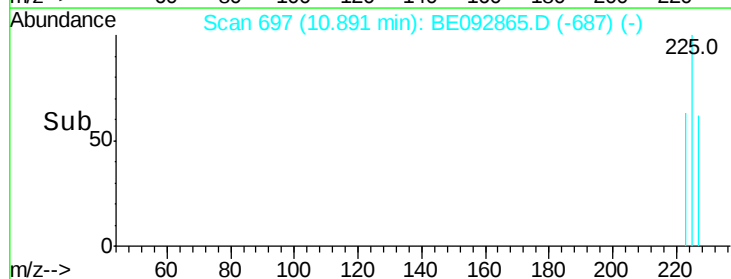
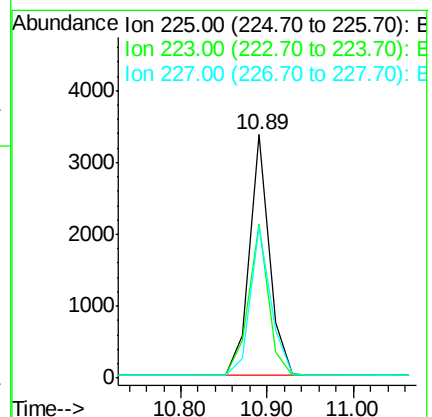
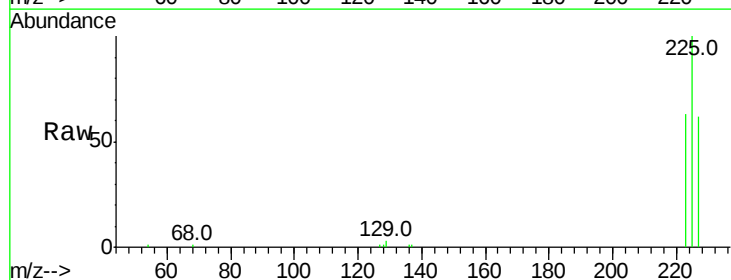
Tgt Ion:225 Resp: 5320

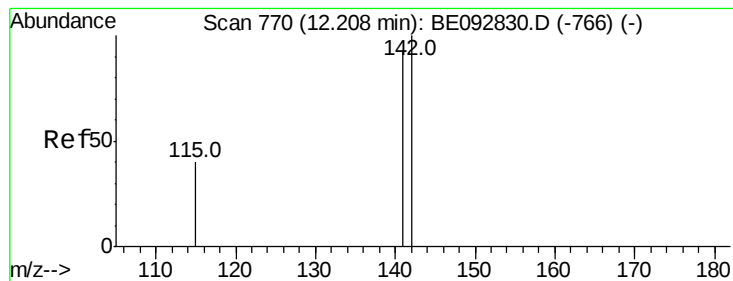
Ion Ratio Lower Upper

225 100

223 63.4 50.6 76.0

227 63.6 51.4 77.0





#11

2-Methylnaphthalene

Concen: 4.05 ng

RT: 12.21 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

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PB97794BSD

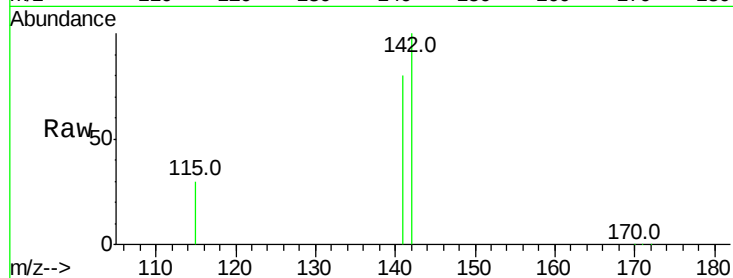
Tot Ion:142 Resp: 24228

Ion Ratio Lower Upper

142 100

141 80.1 73.7 110.5

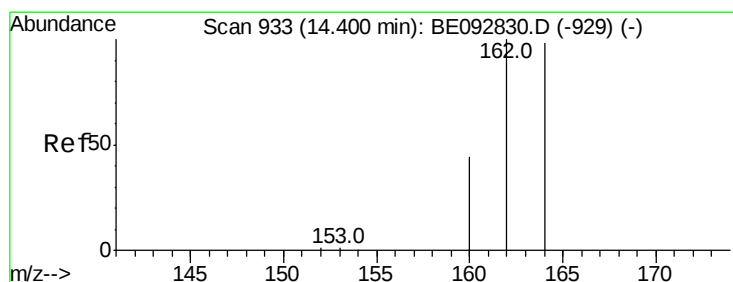
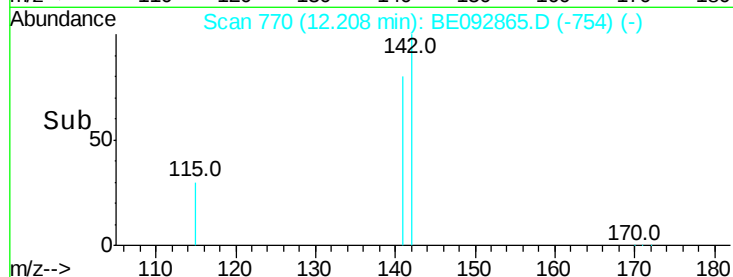
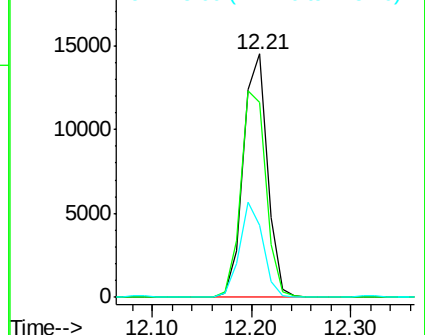
115 29.7 34.0 51.0#



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: 14.40 min Scan# 933

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

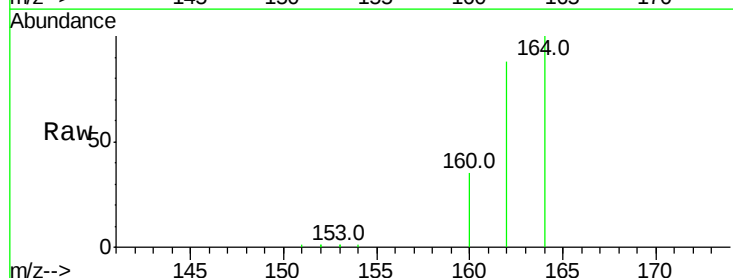
Tgt Ion:164 Resp: 19275

Ion Ratio Lower Upper

164 100

162 88.5 71.4 107.0

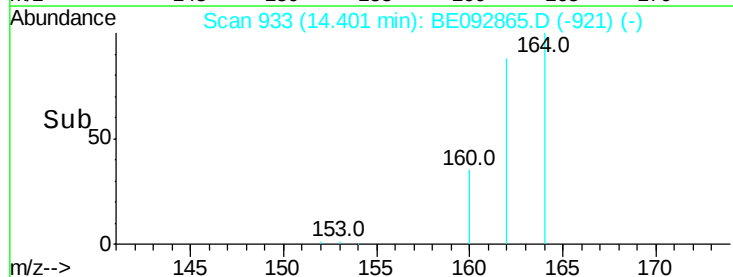
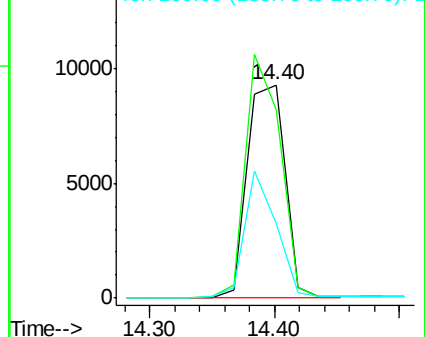
160 34.8 27.4 41.2



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

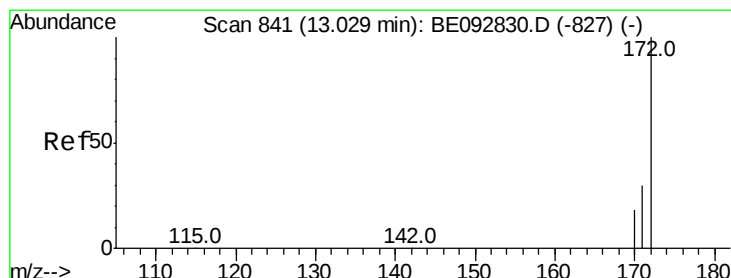
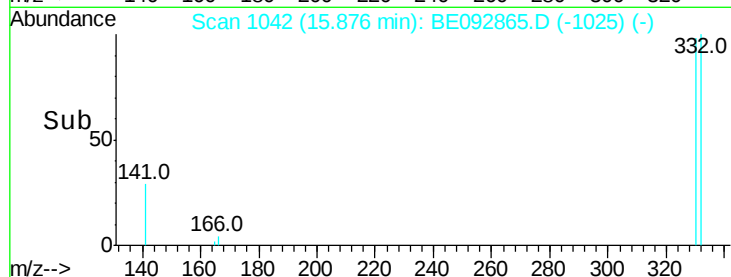
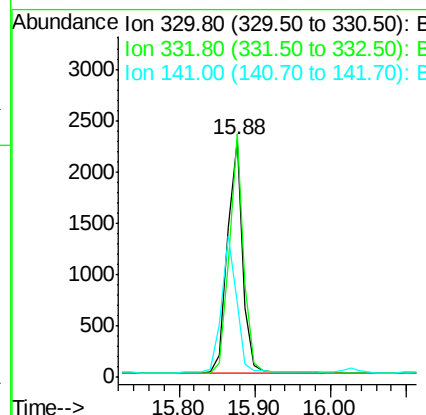
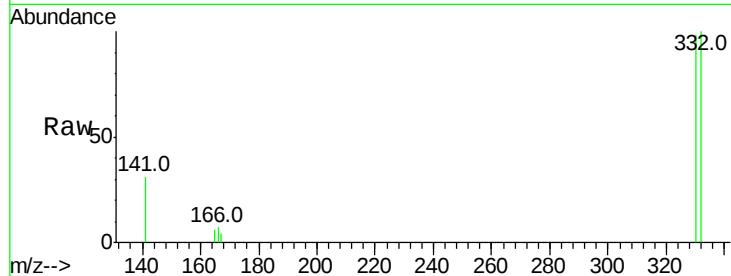




#13
 2,4,6-Tribromophenol
 Concen: 10.77 ng
 RT: 15.88 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BE092865.D
 Acq: 29 Mar 2017 13:32

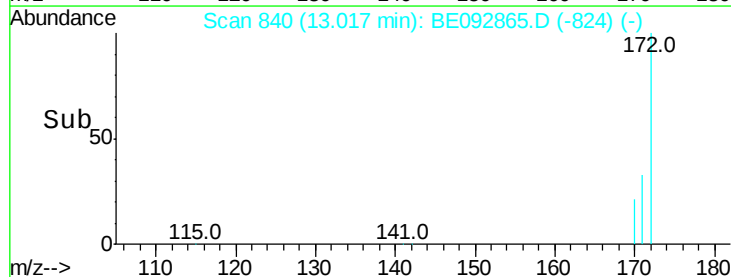
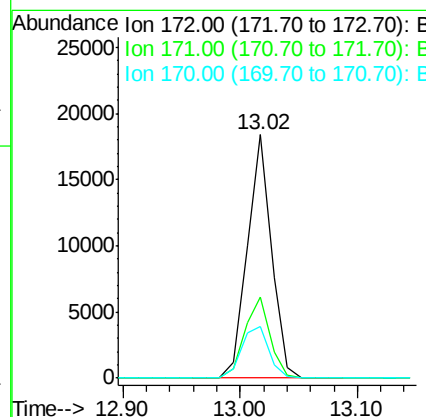
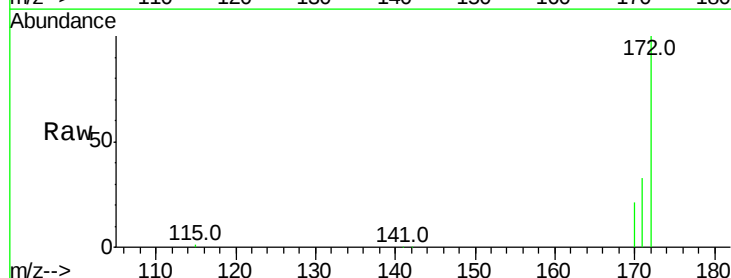
Instrument :
 BNA_E
 ClientSampleId :
 PB97794BSD

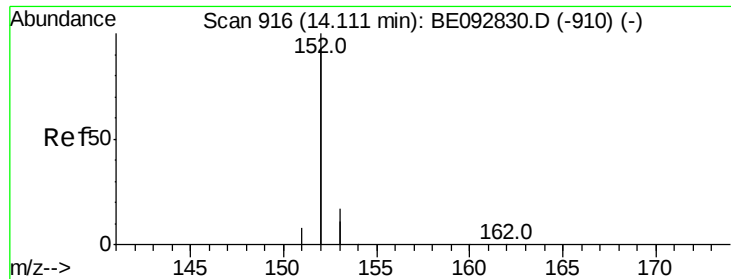
Tot Ion:330 Resp: 3243
 Ion Ratio Lower Upper
 330 100
 332 97.6 75.4 113.0
 141 57.3 31.0 46.6#



#14
 2-Fluorobiphenyl
 Concen: 4.13 ng
 RT: 13.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BE092865.D
 Acq: 29 Mar 2017 13:32

Tgt Ion:172 Resp: 26260
 Ion Ratio Lower Upper
 172 100
 171 33.4 30.1 45.1
 170 21.1 21.8 32.6#





#15

Acenaphthylene

Concen: 4.35 ng

RT: 14.09 min Scan# 915

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

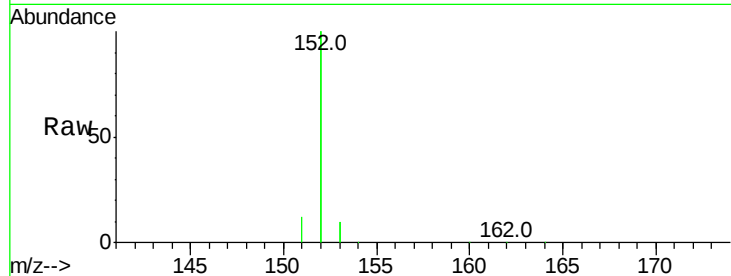
Tot Ion:152 Resp: 128555

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

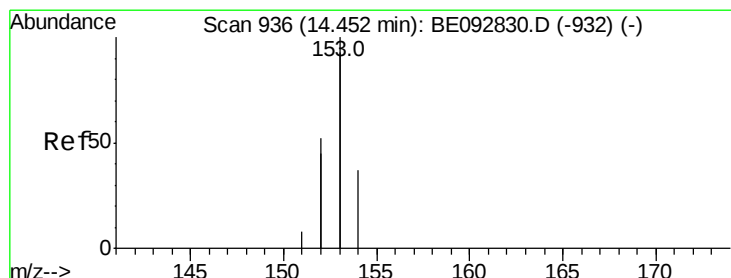
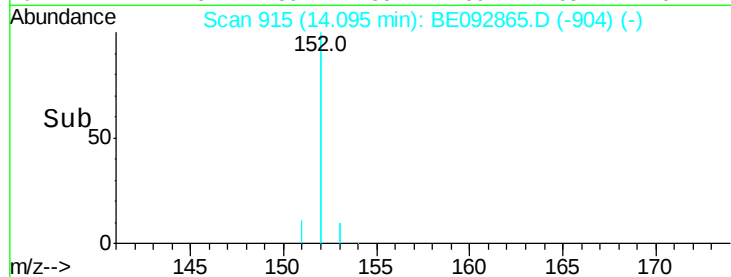
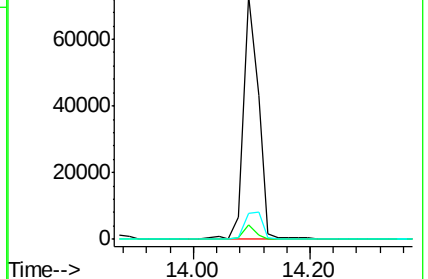
153 13.1 10.4 15.6



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: 4.28 ng

RT: 14.45 min Scan# 936

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

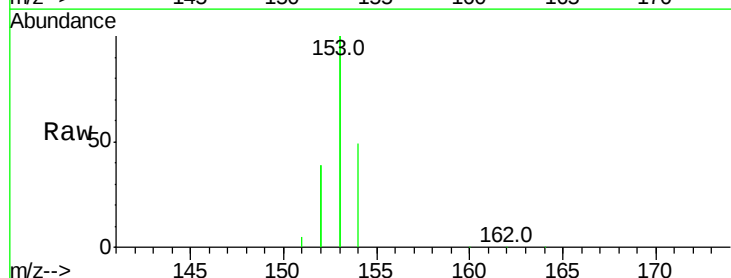
Tgt Ion:154 Resp: 22567

Ion Ratio Lower Upper

154 100

153 427.1 350.8 526.2

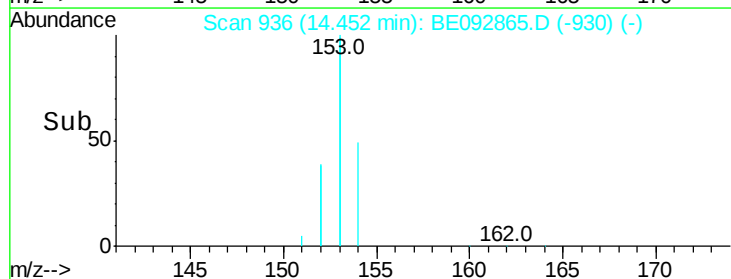
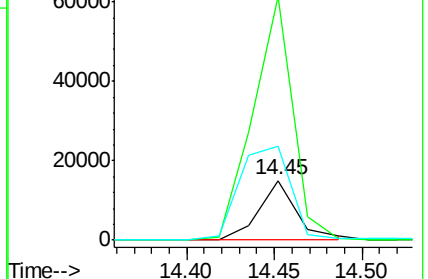
152 212.4 171.1 256.7



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: 4.12 ng

RT: 15.44 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

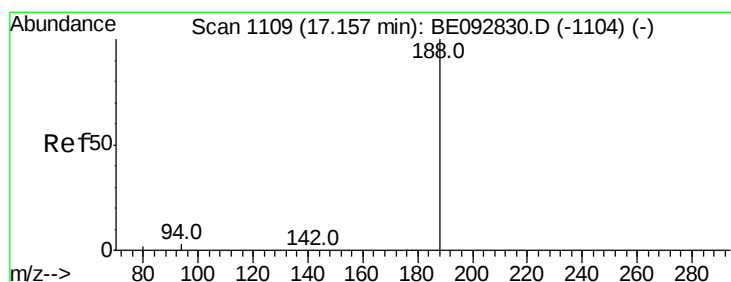
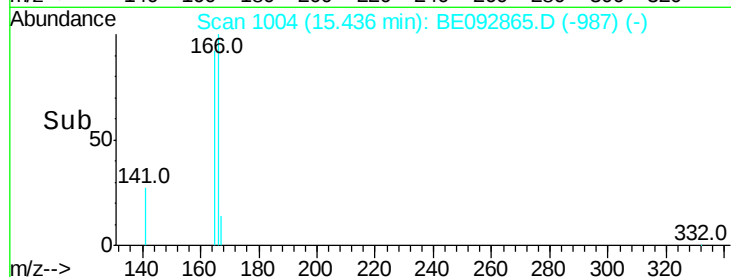
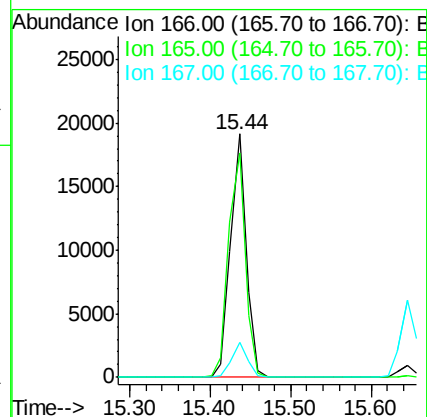
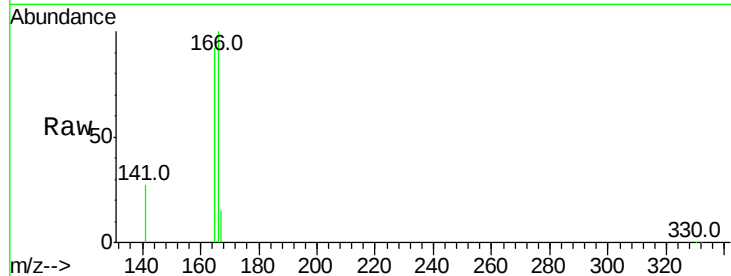
Tot Ion:166 Resp: 25880

Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.4

167 14.2 11.0 16.4



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.13 min Scan# 1109

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

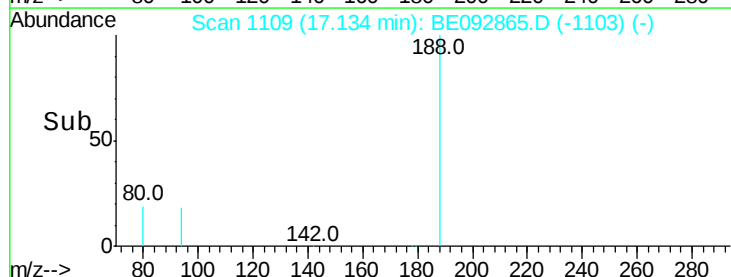
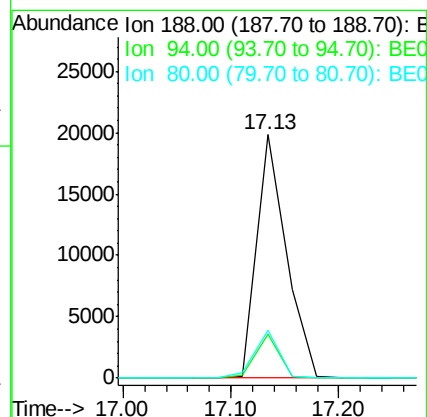
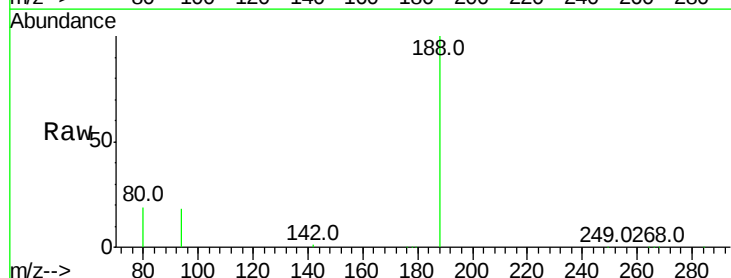
Tgt Ion:188 Resp: 37600

Ion Ratio Lower Upper

188 100

94 18.2 3.2 4.8#

80 19.4 2.6 3.8#





#19

Hexachlorobenzene

Concen: 4.80 ng

RT: 16.47 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

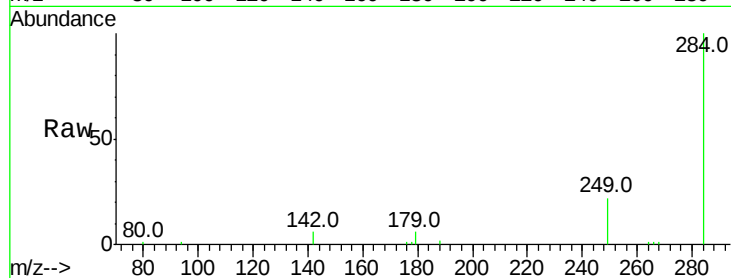
Tot Ion:284 Resp: 6693

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

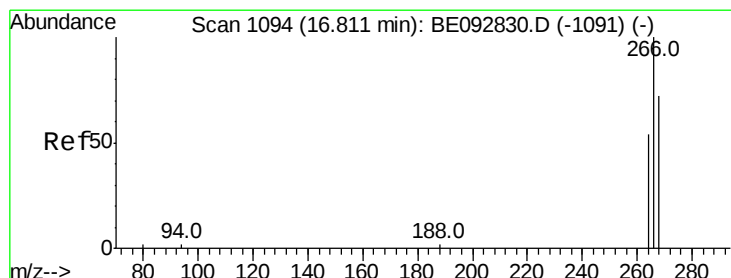
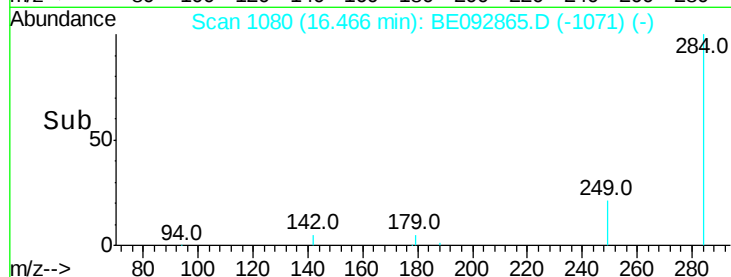
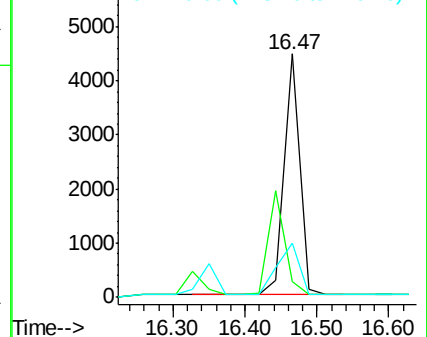
249 29.9 27.9 41.9



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: 8.37 ng

RT: 16.79 min Scan# 1094

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

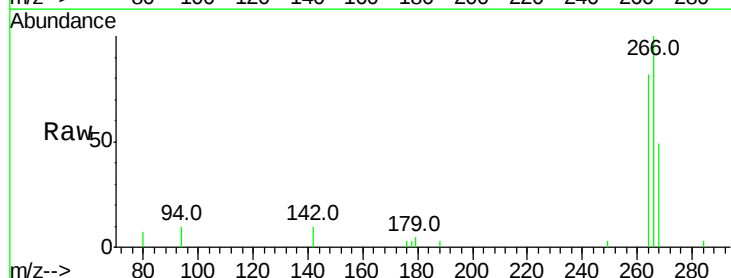
Tgt Ion:266 Resp: 3858

Ion Ratio Lower Upper

266 100

268 48.6 62.5 93.7#

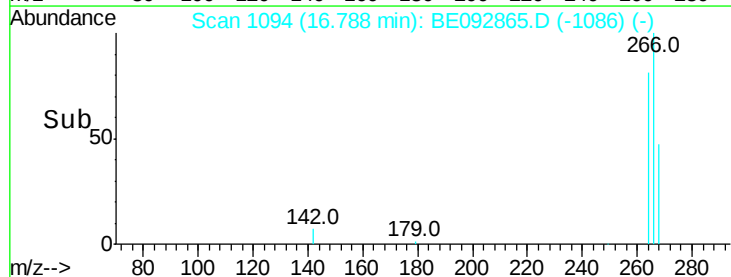
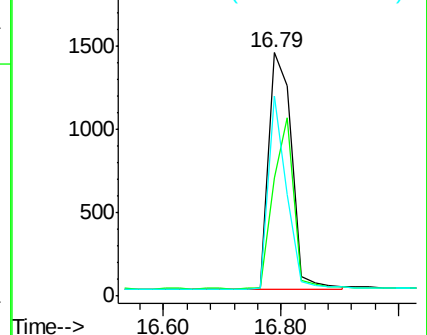
264 82.0 57.2 85.8

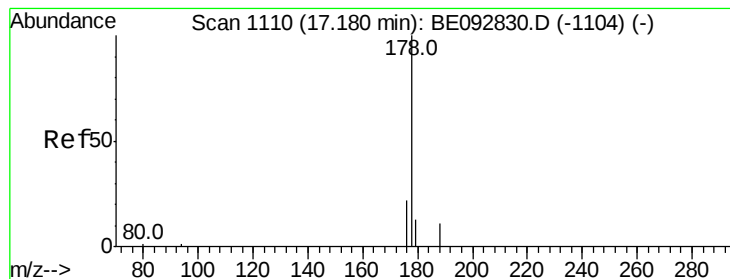


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 4.91 ng

RT: 17.18 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

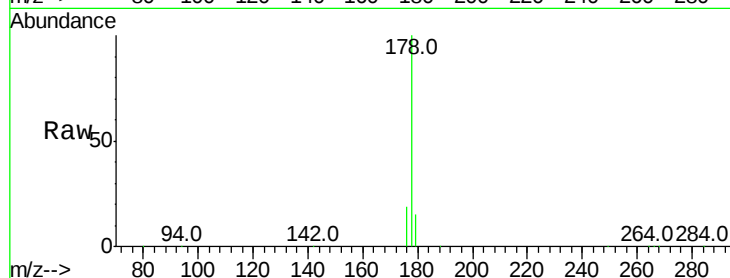
Tot Ion:178 Resp: 44890

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

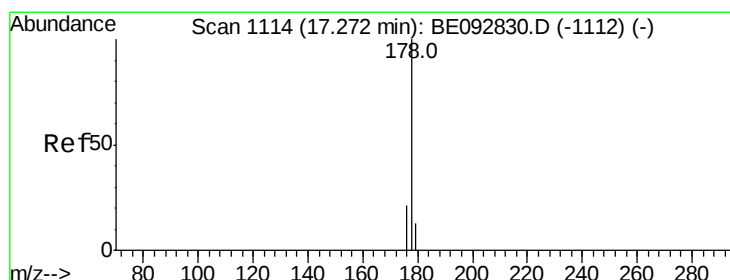
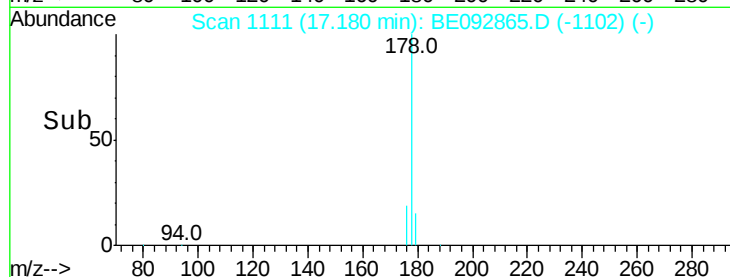
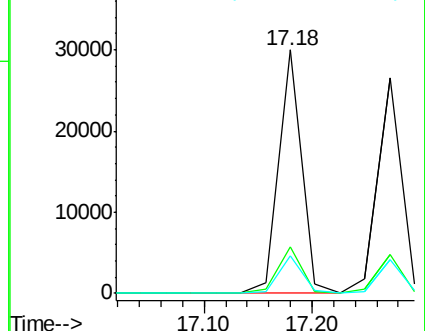
179 15.2 16.0 24.0#



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: 4.91 ng

RT: 17.27 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

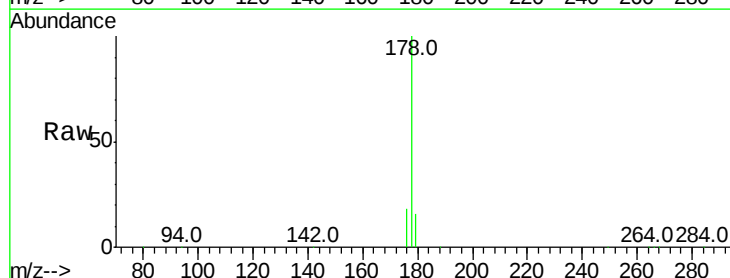
Tgt Ion:178 Resp: 40813

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

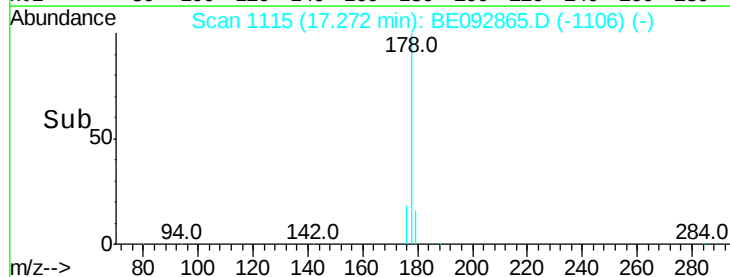
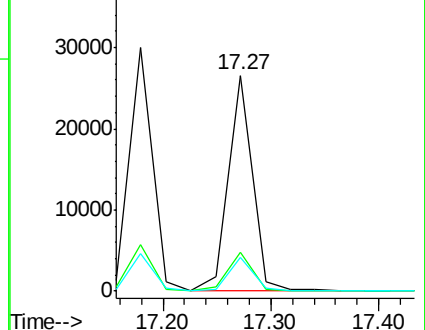
179 15.6 12.2 18.2

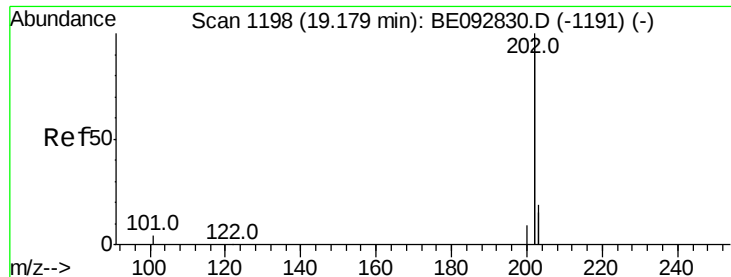


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 3.82 ng

RT: 19.18 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

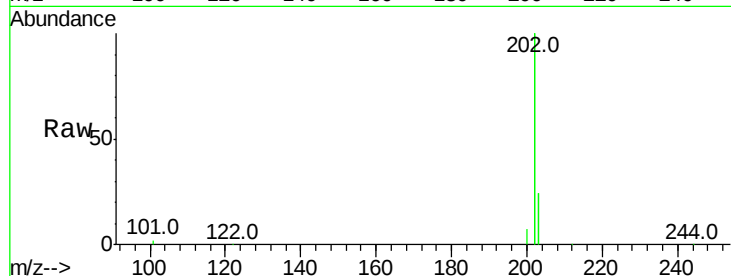
Tot Ion:202 Resp: 160656

Ion Ratio Lower Upper

202 100

101 3.3 2.2 3.4

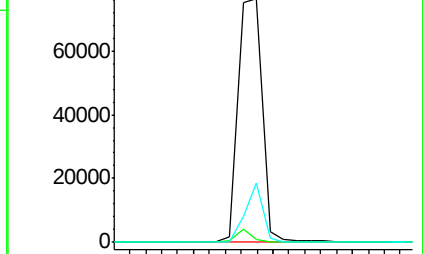
203 17.8 13.7 20.5



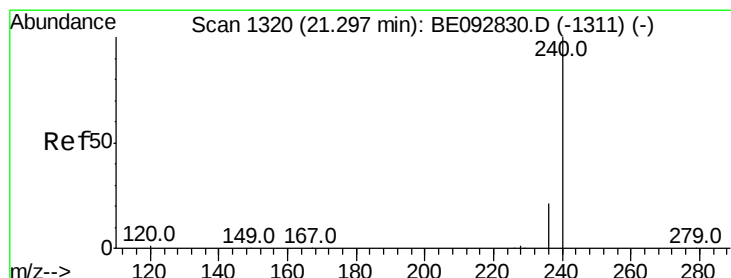
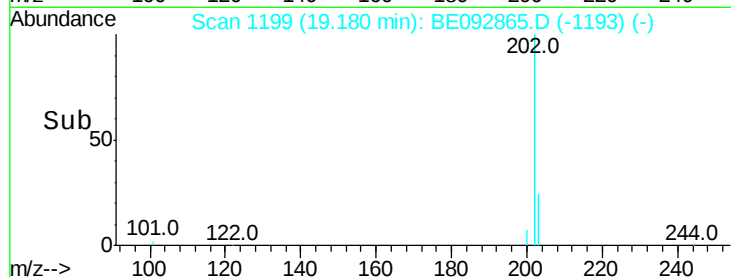
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

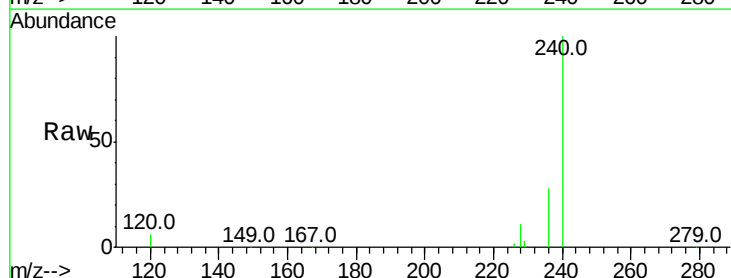
Tgt Ion:240 Resp: 39182

Ion Ratio Lower Upper

240 100

120 5.9 2.6 4.0#

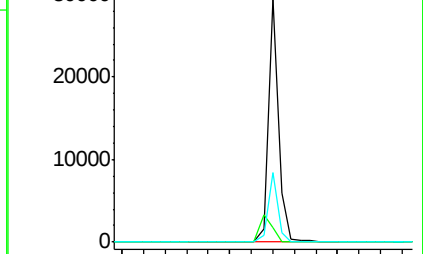
236 28.4 24.6 37.0



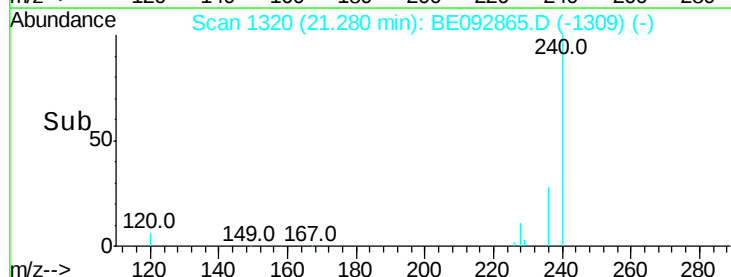
Abundance Ion 240.00 (239.70 to 240.70): E

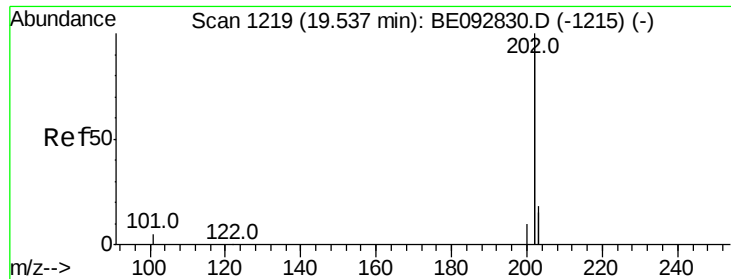
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

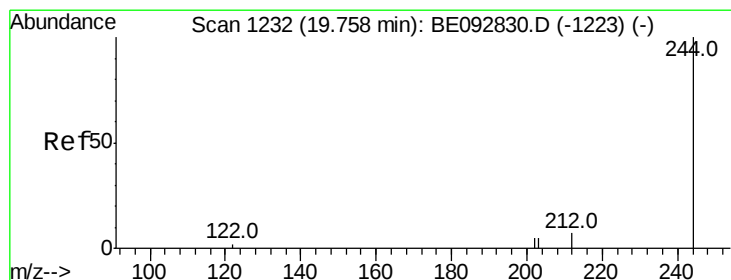
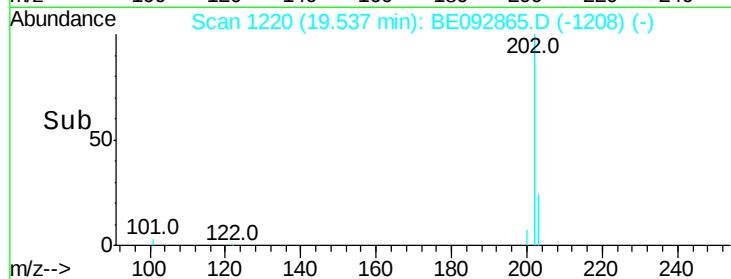
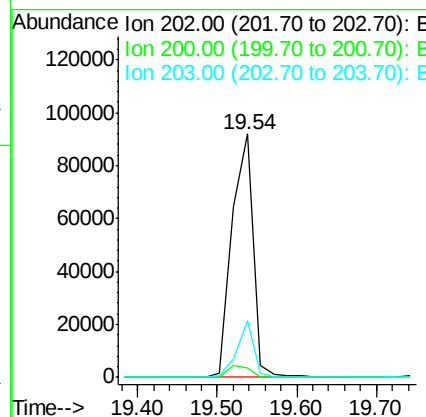
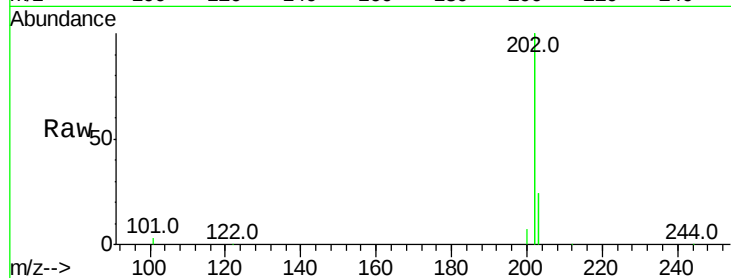




#25
Pvrene
Concen: 4.28 ng
RT: 19.54 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BE092865.D
Acq: 29 Mar 2017 13:32

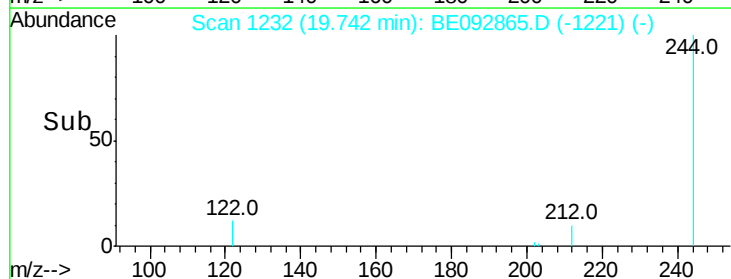
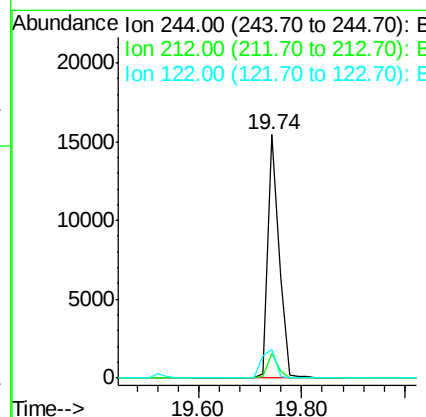
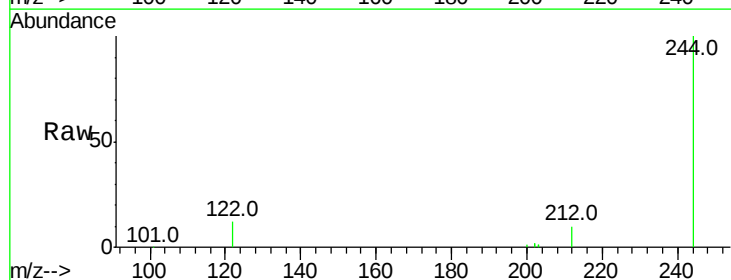
Instrument :
BNA_E
ClientSampleId :
PB97794BSD

Tot Ion:202 Resp: 166896
Ion Ratio Lower Upper
202 100
200 5.1 4.2 6.4
203 18.6 13.9 20.9



#26
Terphenyl-d14
Concen: 3.36 ng
RT: 19.74 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BE092865.D
Acq: 29 Mar 2017 13:32

Tgt Ion:244 Resp: 22787
Ion Ratio Lower Upper
244 100
212 10.0 6.7 10.1
122 11.9 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 4.69 ng

RT: 21.26 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

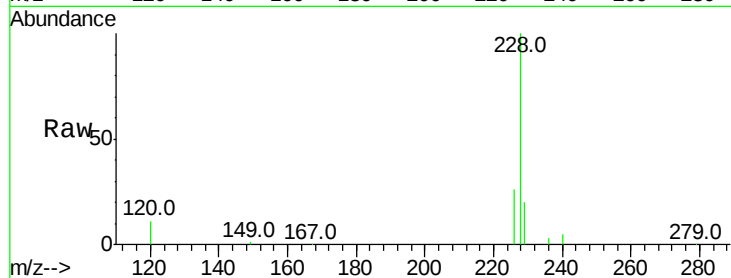
Tot Ion:228 Resp: 43513

Ion Ratio Lower Upper

228 100

226 26.4 23.6 35.4

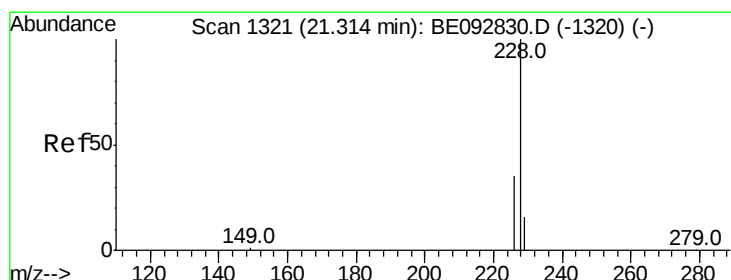
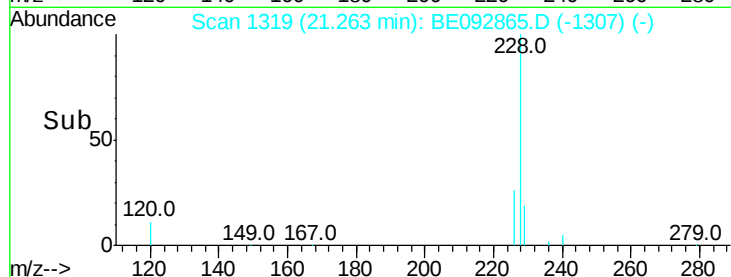
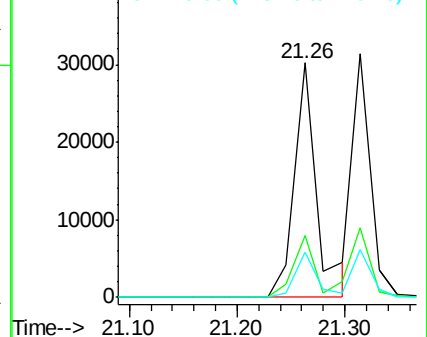
229 19.6 13.3 19.9



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: 3.74 ng

RT: 21.31 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

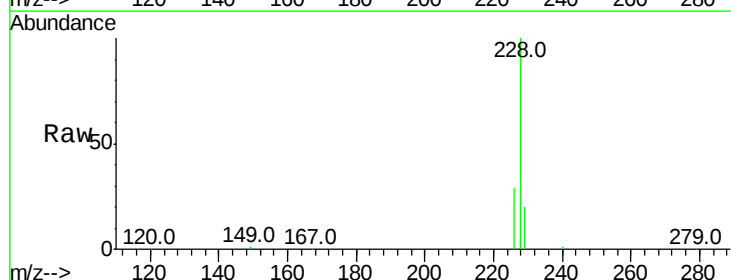
Tgt Ion:228 Resp: 36658

Ion Ratio Lower Upper

228 100

226 28.6 36.3 54.5#

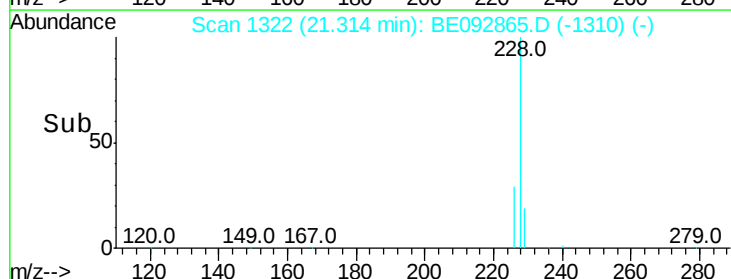
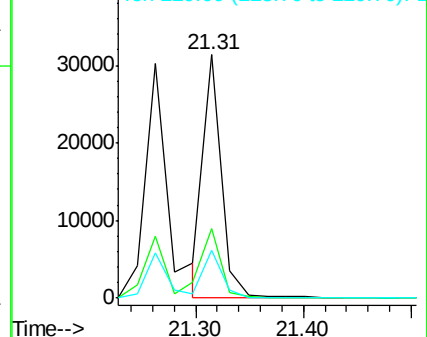
229 19.6 10.6 16.0#



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: 4.10 ng

RT: 21.21 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

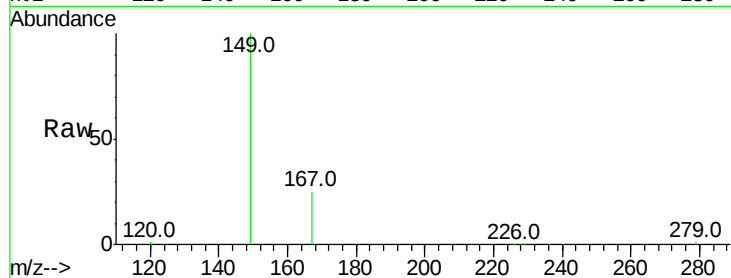
Tot Ion:149 Resp: 13529

Ion Ratio Lower Upper

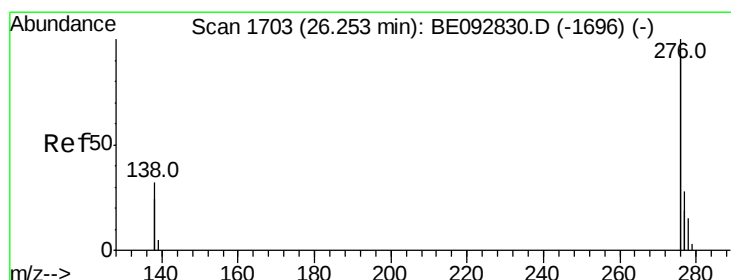
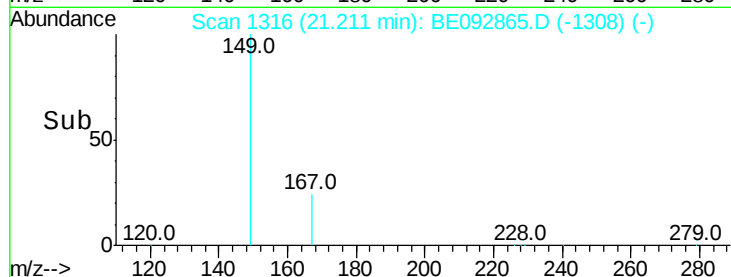
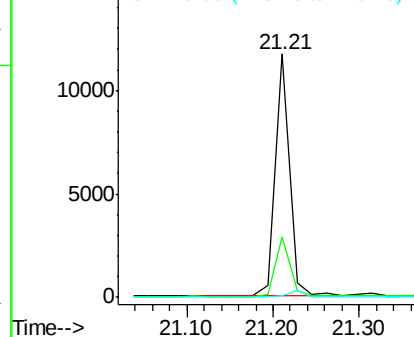
149 100

167 24.9 16.0 24.0#

279 2.5 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: 3.98 ng

RT: 26.24 min Scan# 1703

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

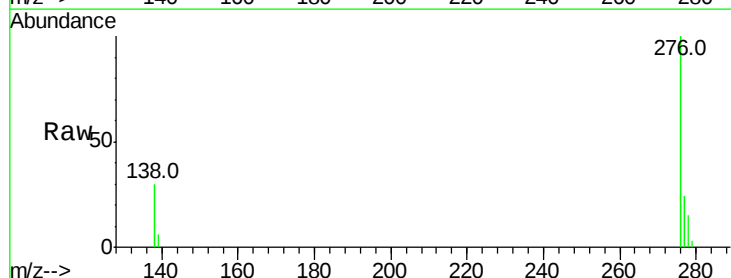
Tgt Ion:276 Resp: 146767

Ion Ratio Lower Upper

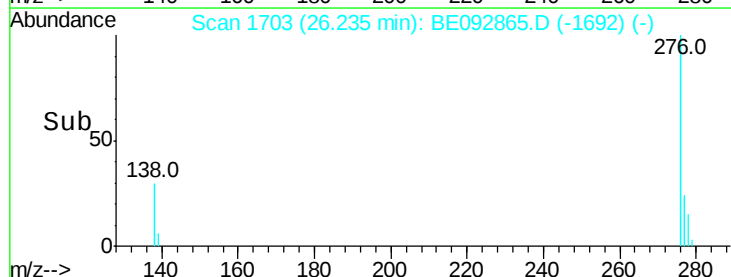
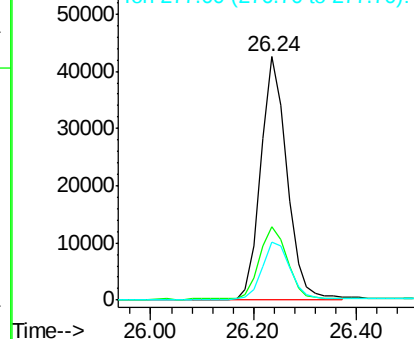
276 100

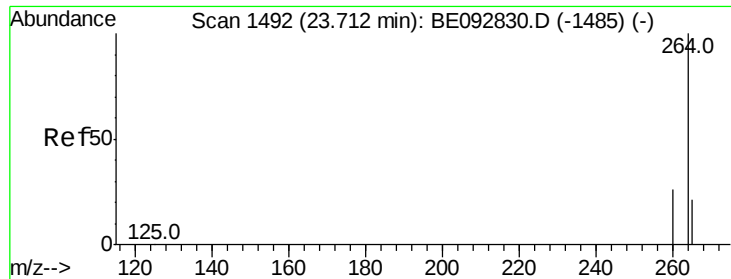
138 32.0 20.3 30.5#

277 25.0 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

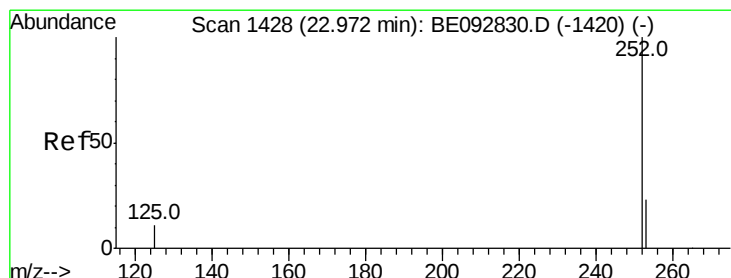
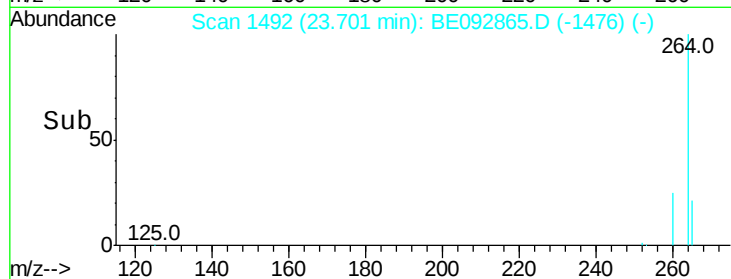
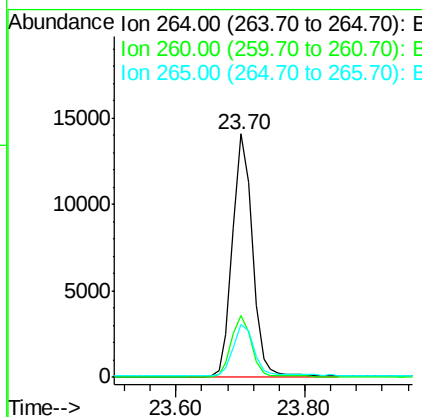
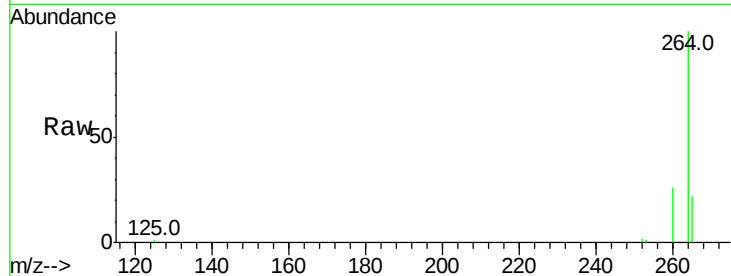




#31
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.70 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BE092865.D
 Acq: 29 Mar 2017 13:32

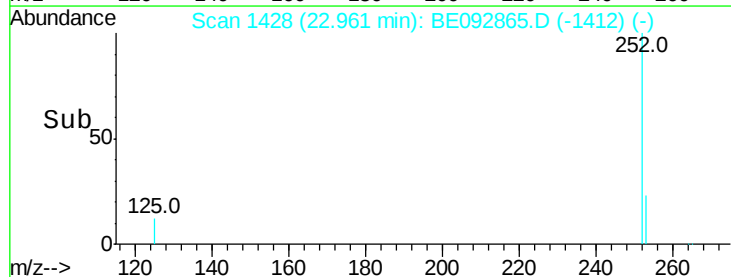
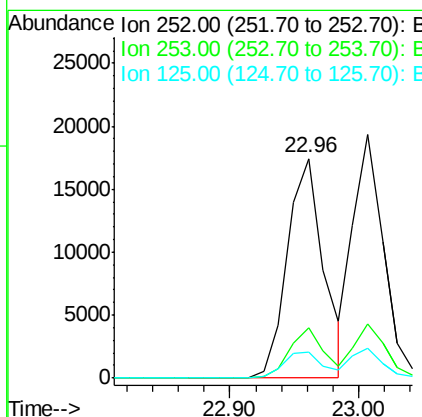
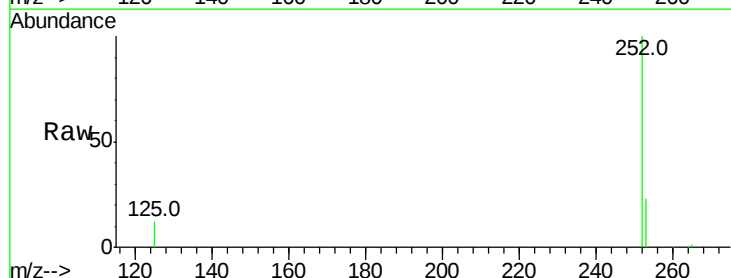
Instrument :
 BNA_E
 ClientSampleId :
 PB97794BSD

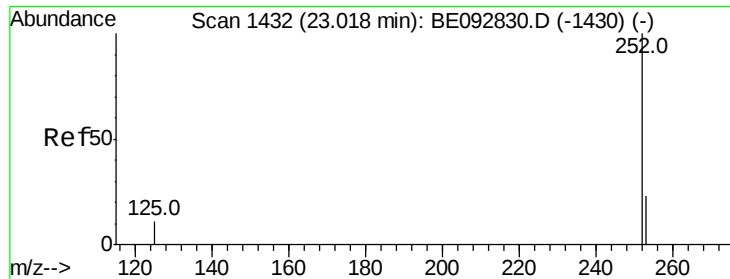
Tot Ion:264 Resp: 29983
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.1 30.1
 265 21.8 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 4.25 ng
 RT: 22.96 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BE092865.D
 Acq: 29 Mar 2017 13:32

Tgt Ion:252 Resp: 33953
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.7 28.1
 125 11.9 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 4.50 ng

RT: 23.01 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

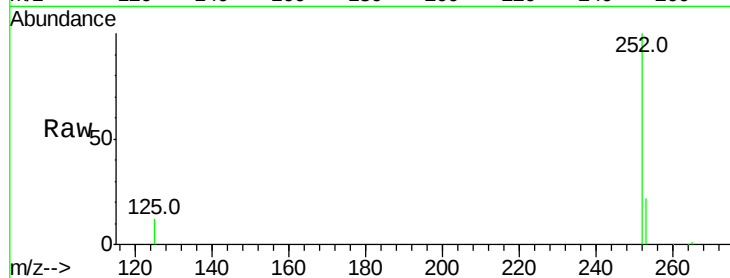
Tot Ion:252 Resp: 32152

Ion Ratio Lower Upper

252 100

253 22.1 20.3 30.5

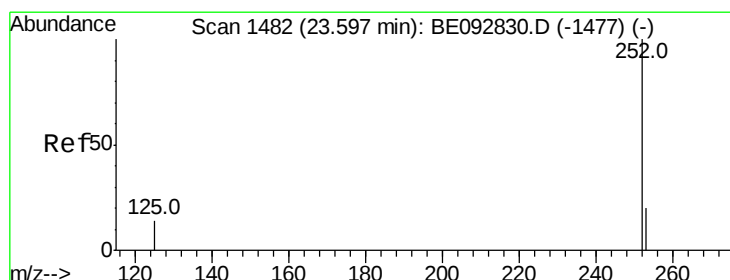
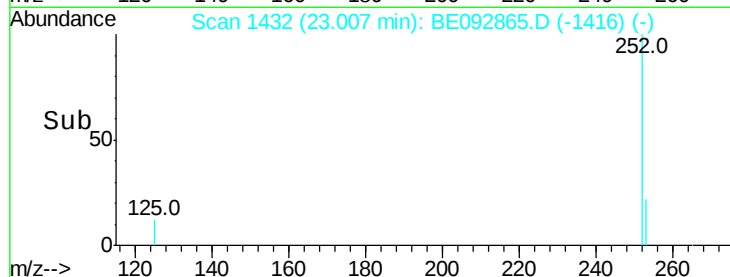
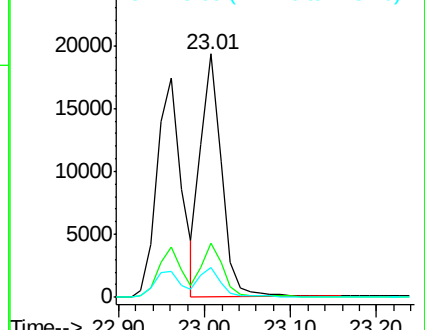
125 12.3 9.6 14.4



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: 4.43 ng

RT: 23.59 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

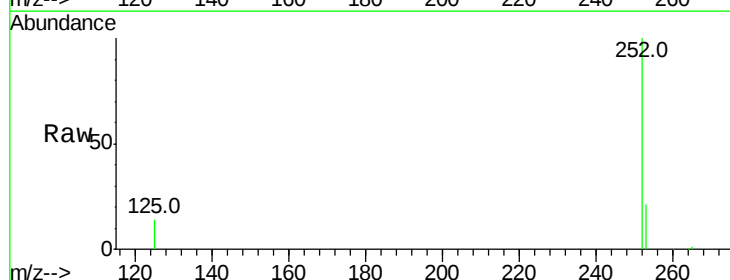
Tgt Ion:252 Resp: 29254

Ion Ratio Lower Upper

252 100

253 21.0 19.0 28.6

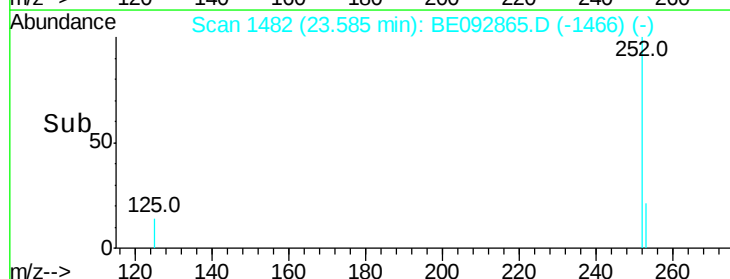
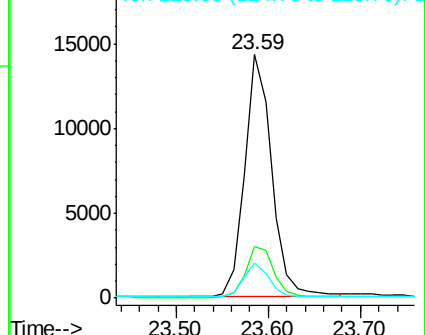
125 14.4 11.8 17.8

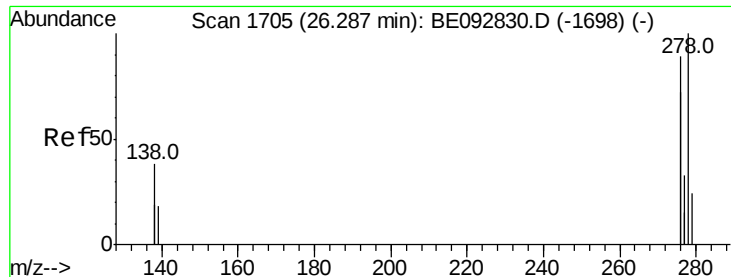


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 4.55 ng

RT: 26.27 min Scan# 1705

Delta R.T. -0.02 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB97794BSD

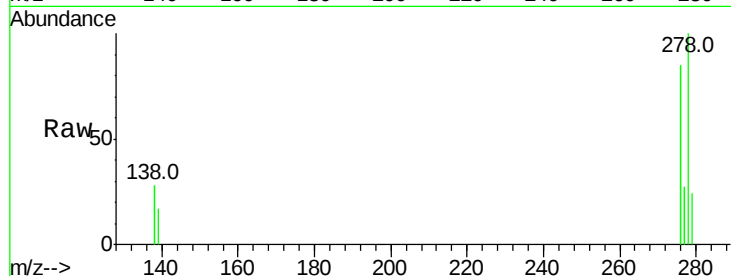
Tot Ion:278 Resp: 31932

Ion Ratio Lower Upper

278 100

139 17.1 13.8 20.8

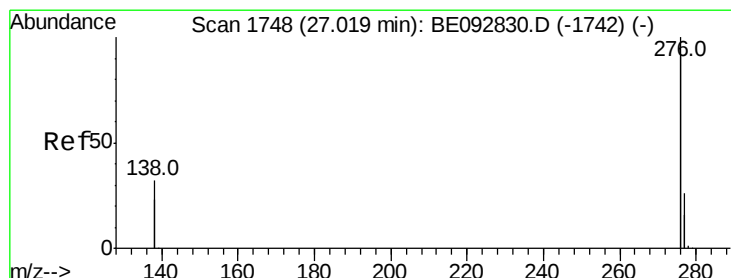
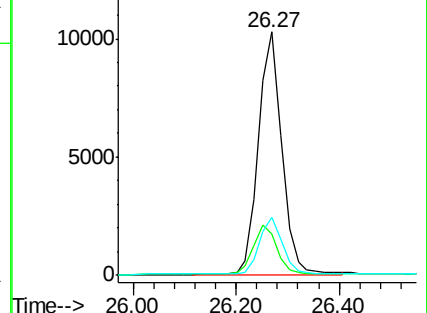
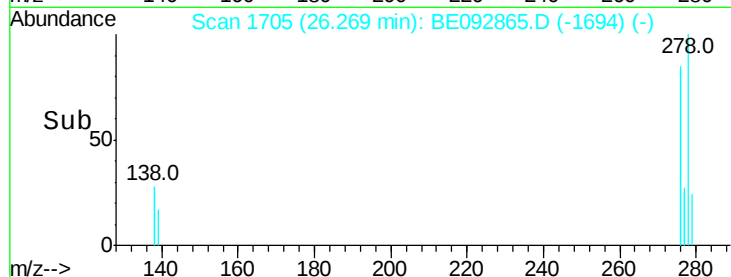
279 24.0 21.4 32.2



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: 4.37 ng

RT: 27.02 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BE092865.D

Acq: 29 Mar 2017 13:32

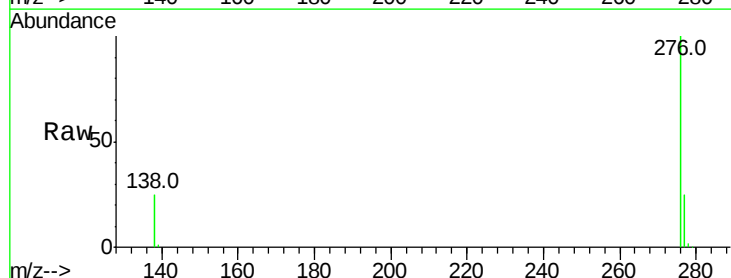
Tgt Ion:276 Resp: 127005

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.8

138 24.9 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

