

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
 Data File : BE092260.D
 Acq On : 10 Aug 2016 18:22
 Operator : UM/SJ
 Sample : PB92482BS
 Misc : confirmation run
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92482BS

Quant Time: Aug 11 01:05:15 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	11703	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	51092	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	27008	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	63116	5.00	ng	0.00
24) Chrysene-d12	21.73	240	65066	5.00	ng	-0.02
31) Perylene-d12	24.13	264	73411	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	20372	7.96	ng	-0.01
5) Phenol-d6	7.34	99	26456	7.18	ng	-0.02
8) Nitrobenzene-d5	9.32	82	14572	4.04	ng	-0.04
13) 2,4,6-Tribromophenol	16.32	330	6332	6.06	ng	0.00
14) 2-Fluorobiphenyl	13.46	172	31426	3.76	ng	-0.01
26) Terphenyl-d14	20.19	244	40605	3.69	ng	0.00

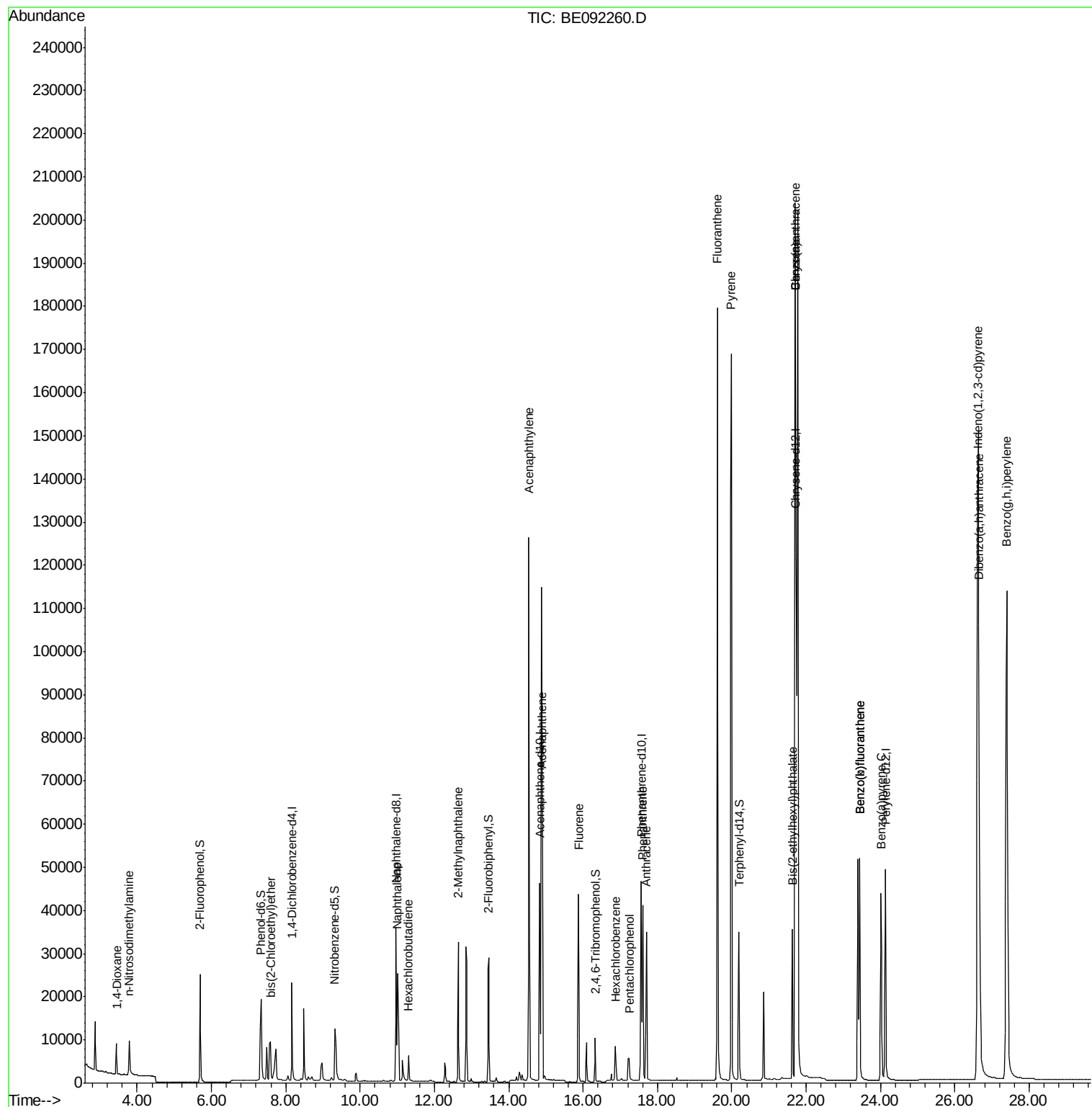
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	4236	3.19	ng	91
3) n-Nitrosodimethylamine	3.78	42	7375	3.45	ng	# 94
6) bis(2-Chloroethyl)ether	7.59	93	11122	3.73	ng	# 32
9) Naphthalene	11.01	128	38682	3.38	ng	# 95
10) Hexachlorobutadiene	11.30	225	5698	3.44	ng	98
11) 2-Methylnaphthalene	12.64	142	26428	3.70	ng	92
15) Acenaphthylene	14.54	152	163340	3.50	ng	100
16) Acenaphthene	14.90	154	24260	3.24	ng	97
17) Fluorene	15.88	166	31544	3.48	ng	99
19) Hexachlorobenzene	16.87	284	7957	3.18	ng	# 100
20) Pentachlorophenol	17.24	266	6918	8.85	ng	# 81
21) Phenanthrene	17.61	178	52485	3.21	ng	100
22) Anthracene	17.70	178	48035	3.26	ng	98
23) Fluoranthene	19.61	202	241940	3.73	ng	99
25) Pyrene	19.99	202	261295	3.40	ng	99
27) Benzo(a)anthracene	21.70	228	310667	3.98	ng	# 65
28) Chrysene	21.70	228	310645	4.30	ng	# 73
29) Bis(2-ethylhexyl)phthalate	21.64	149	37735	3.00	ng	# 95
30) Indeno(1,2,3-cd)pyrene	26.62	276	325743	4.19	ng	100
32) Benzo(b)fluoranthene	23.44	252	69137	3.59	ng	95
33) Benzo(k)fluoranthene	23.44	252	70158	3.61	ng	# 95
34) Benzo(a)pyrene	24.02	252	69930	3.85	ng	# 93
35) Dibenzo(a,h)anthracene	26.65	278	67194	3.97	ng	# 93
36) Benzo(g,h,i)perylene	27.40	276	278402	3.83	ng	95

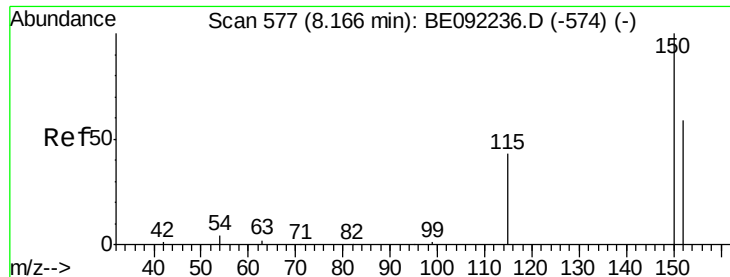
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

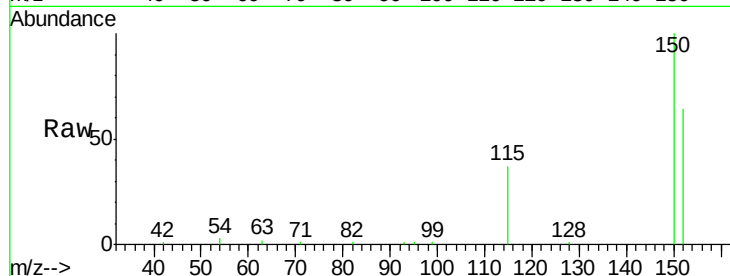
Tgt Ion:152 Resp: 11703

Ion Ratio Lower Upper

152 100

150 157.3 135.6 203.4

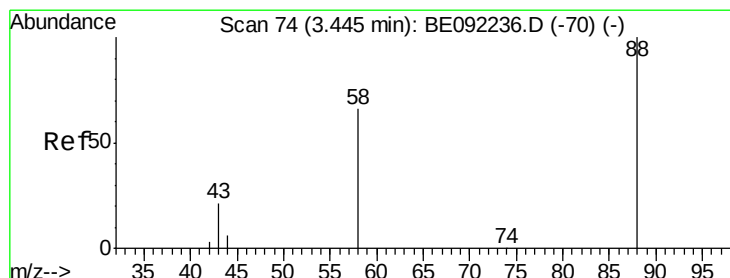
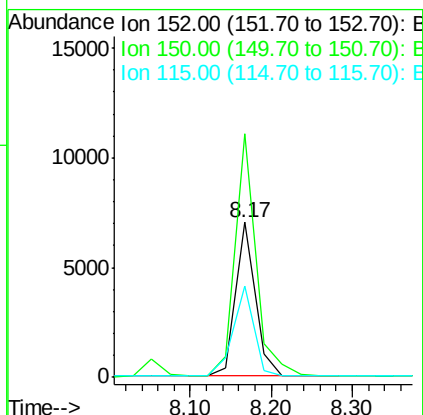
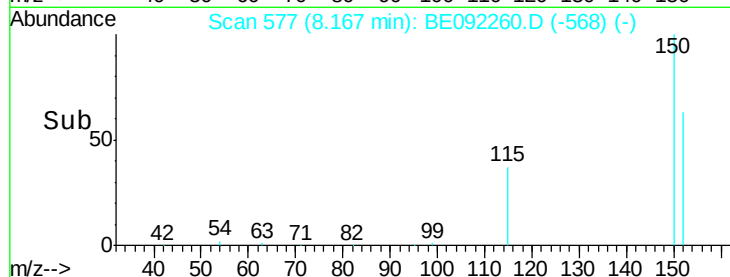
115 58.7 59.4 89.0#



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: 3.19 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

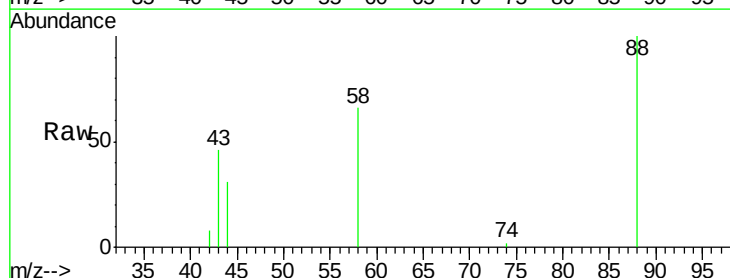
Tgt Ion: 88 Resp: 4236

Ion Ratio Lower Upper

88 100

58 89.0 64.4 96.6

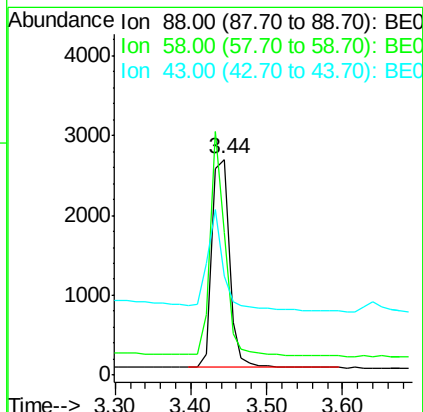
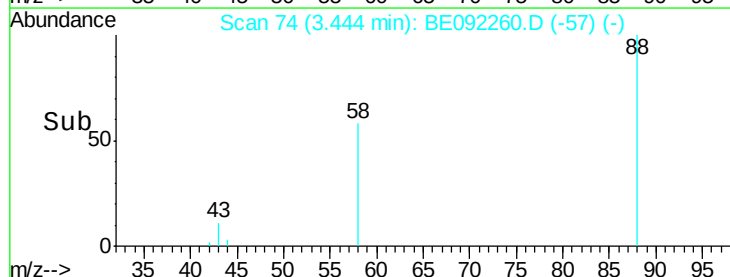
43 46.1 33.4 50.2

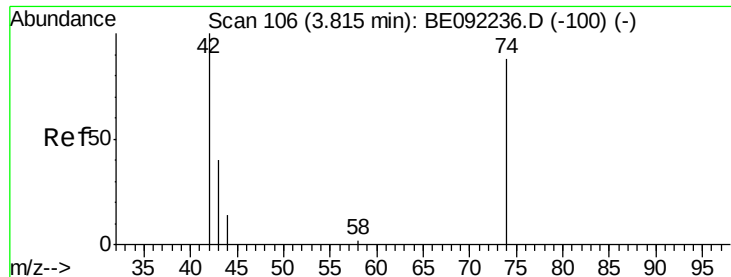


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.45 ng

RT: 3.78 min Scan# 103

Delta R.T. -0.04 min

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Instrument :

BNA_E

ClientSampleId :

PB92482BS

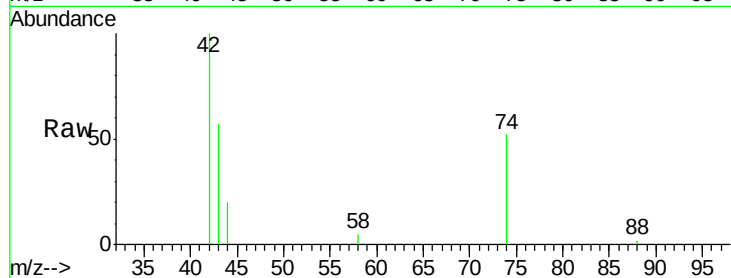
Tgt Ion: 42 Resp: 7375

Ion Ratio Lower Upper

42 100

74 102.1 77.2 115.8

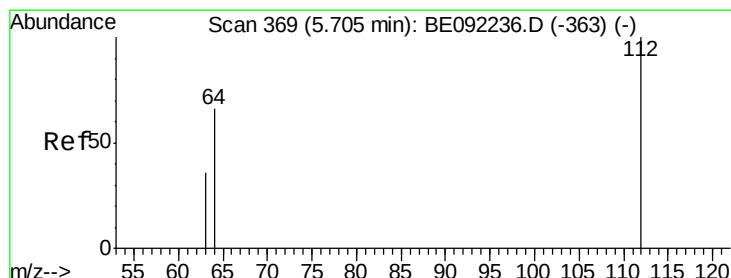
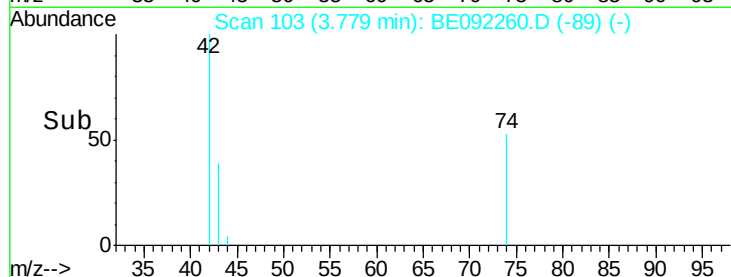
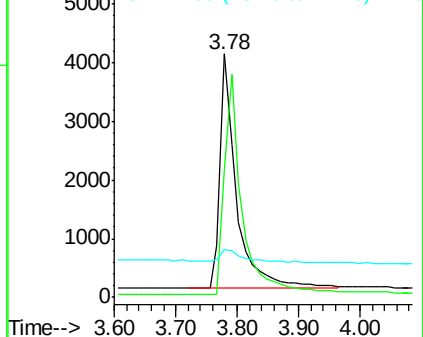
44 8.3 5.0 7.4#



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: 7.96 ng

RT: 5.69 min Scan# 367

Delta R.T. -0.01 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

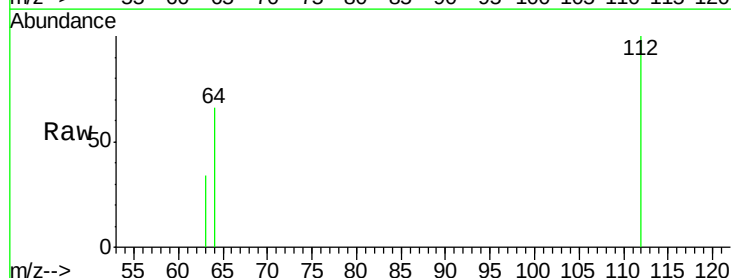
Tgt Ion: 112 Resp: 20372

Ion Ratio Lower Upper

112 100

64 67.3 53.2 79.8

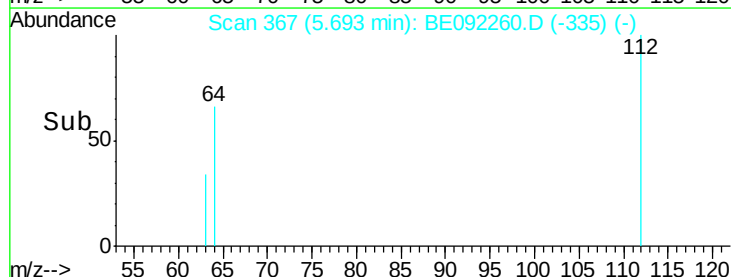
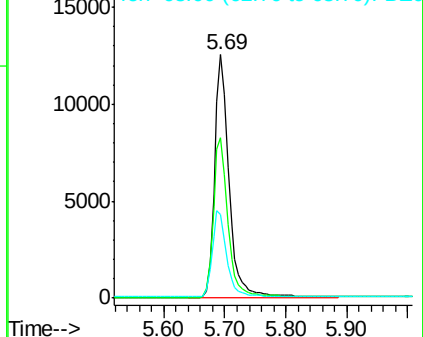
63 36.7 27.4 41.2

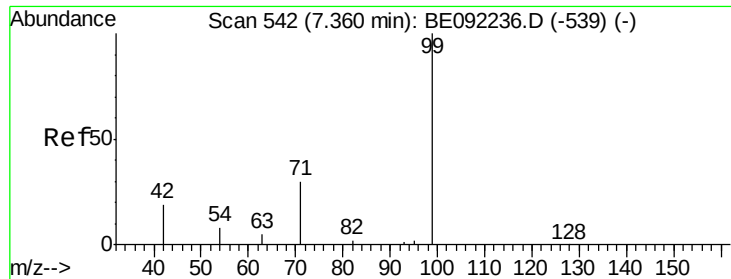


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.18 ng

RT: 7.34 min Scan# 541

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

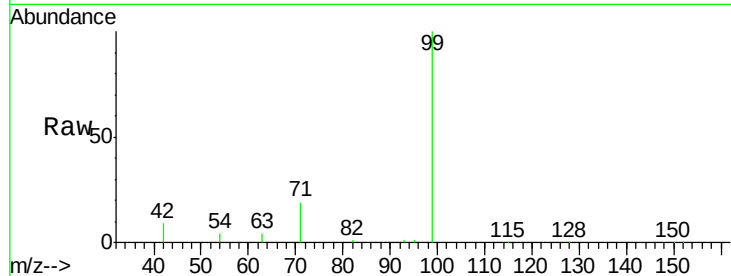
Tgt Ion: 99 Resp: 26456

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

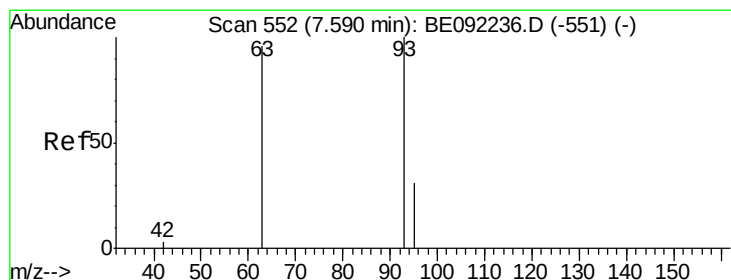
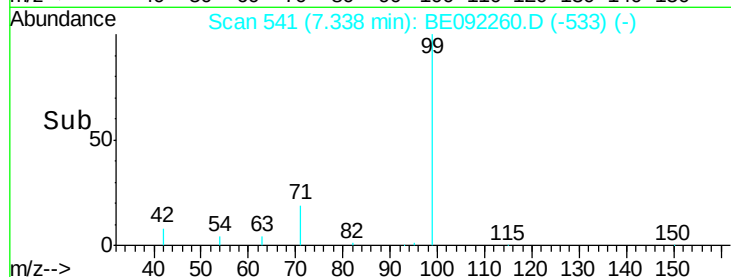
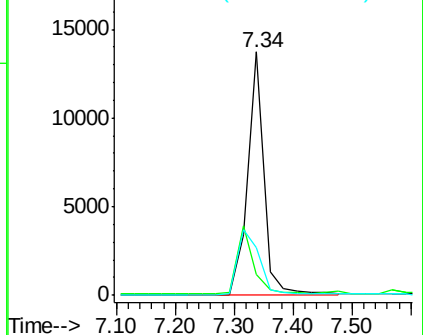
71 0.0 29.8 44.8#



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: 3.73 ng

RT: 7.59 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

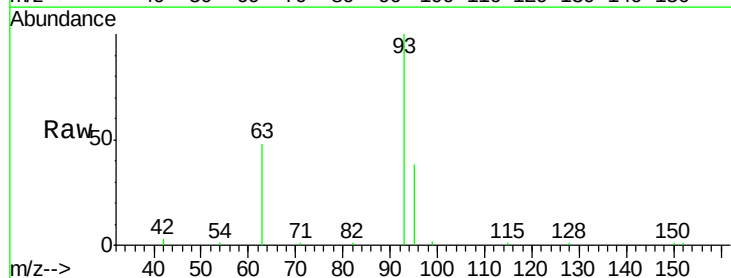
Tgt Ion: 93 Resp: 11122

Ion Ratio Lower Upper

93 100

63 0.0 68.5 102.7#

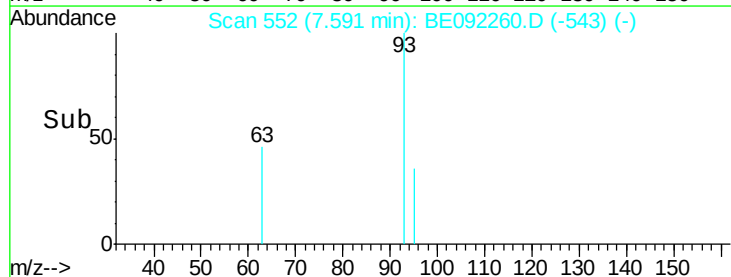
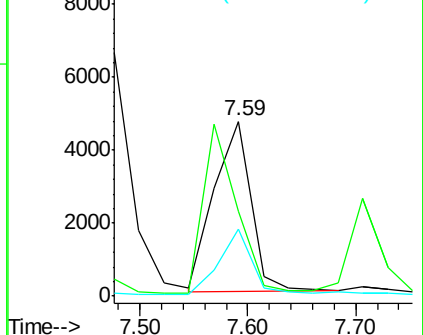
95 32.7 27.2 40.8

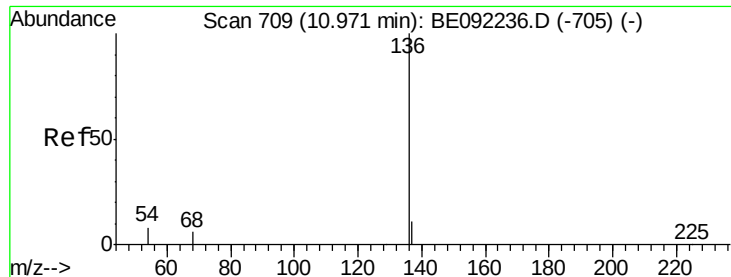


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

Tgt Ion:136 Resp: 51092

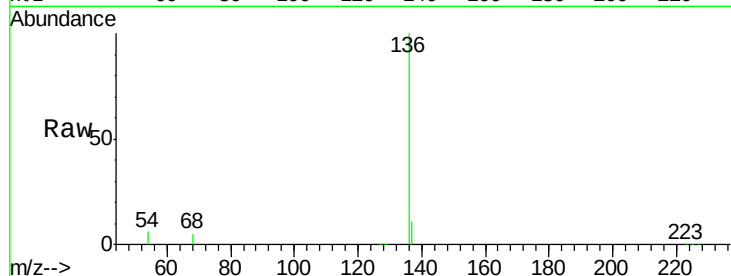
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 6.3 6.2 9.4

68 4.8 4.6 6.8

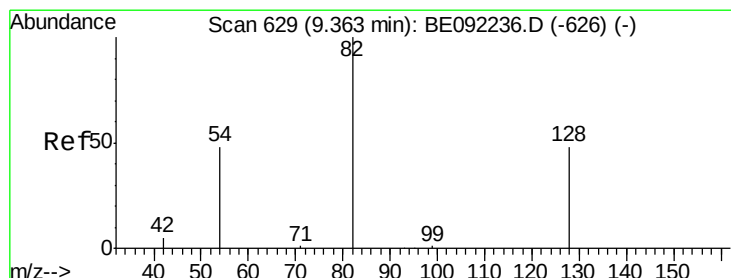
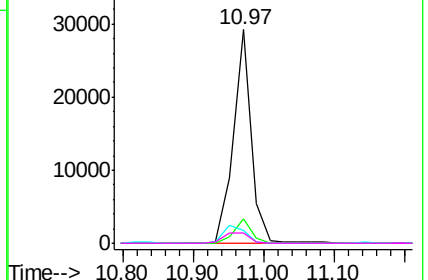
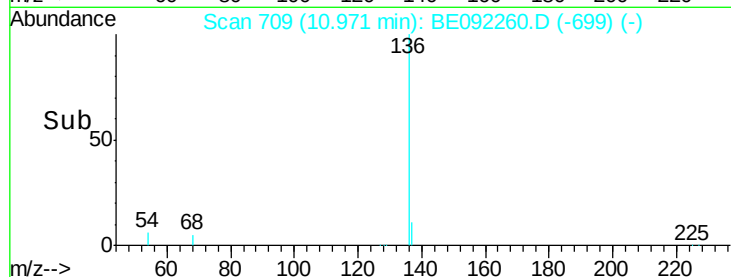


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.04 ng

RT: 9.32 min Scan# 627

Delta R.T. -0.04 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

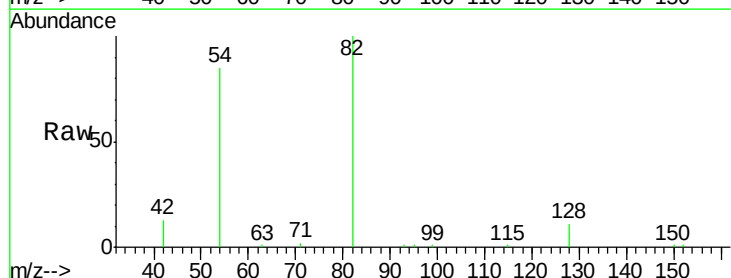
Tgt Ion: 82 Resp: 14572

Ion Ratio Lower Upper

82 100

128 10.9 45.0 67.4#

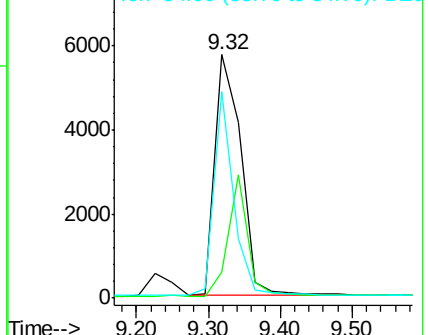
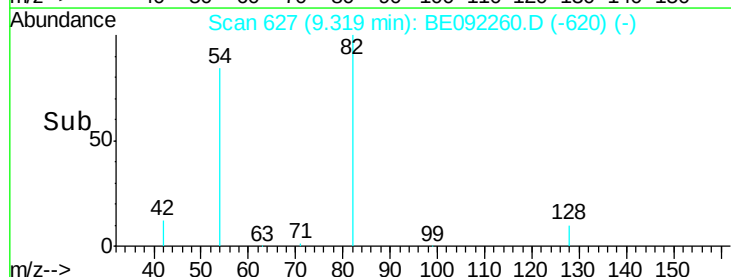
54 84.6 45.4 68.2#

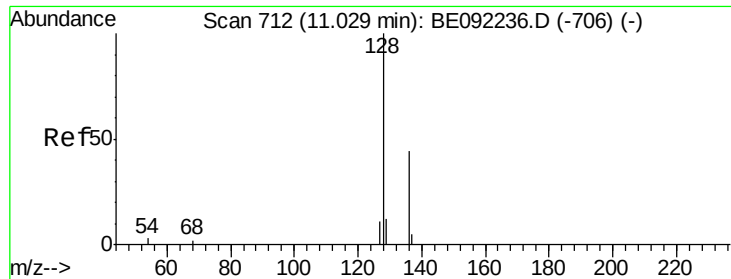


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.38 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

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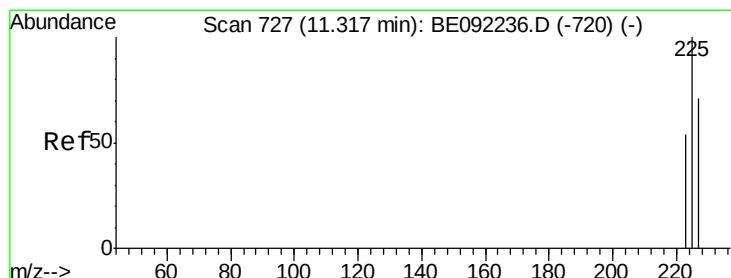
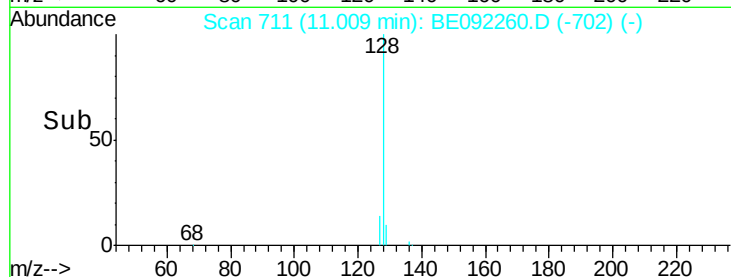
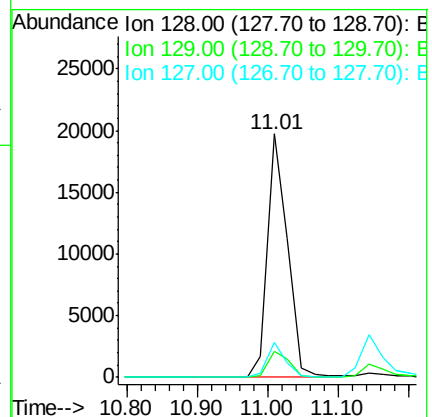
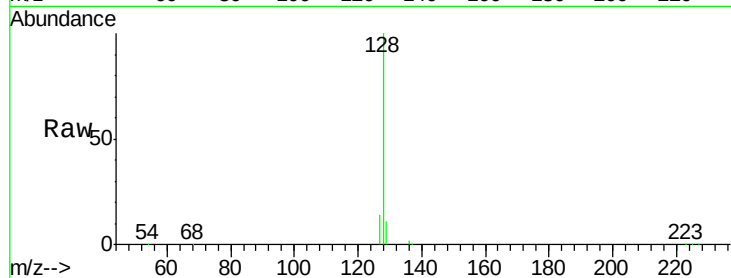
Tgt Ion:128 Resp: 38682

Ion Ratio Lower Upper

128 100

129 10.5 11.5 17.3#

127 14.2 11.0 16.6



#10

Hexachlorobutadiene

Concen: 3.44 ng

RT: 11.30 min Scan# 726

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

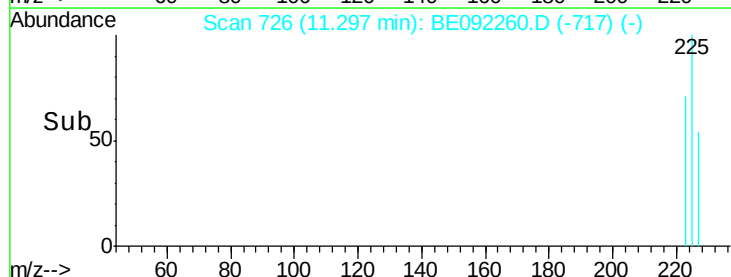
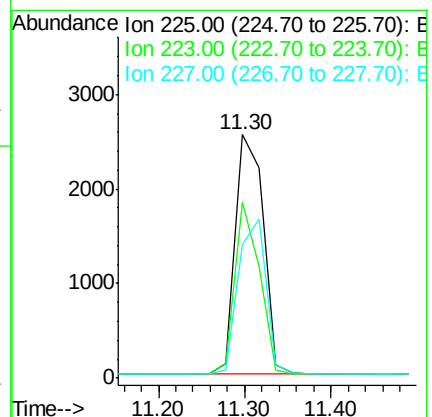
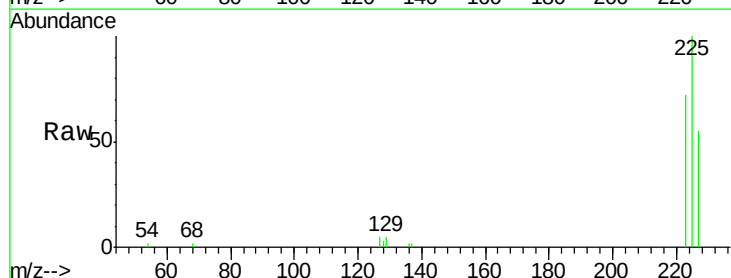
Tgt Ion:225 Resp: 5698

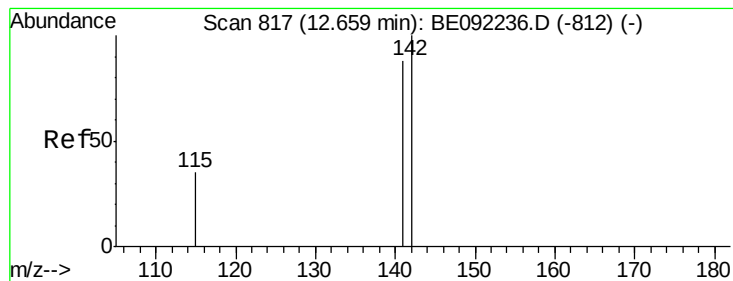
Ion Ratio Lower Upper

225 100

223 63.0 52.2 78.4

227 63.9 51.0 76.6





#11

2-Methylnaphthalene

Concen: 3.70 ng

RT: 12.64 min Scan# 815

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

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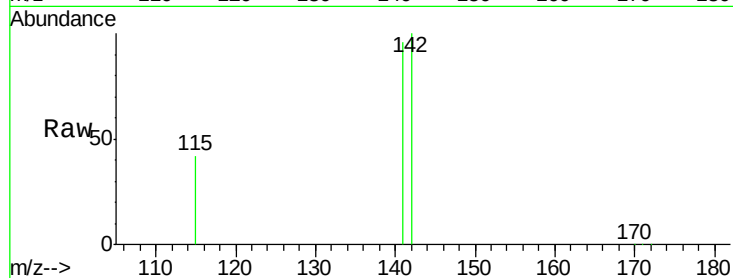
Tgt Ion:142 Resp: 26428

Ion Ratio Lower Upper

142 100

141 96.2 70.6 105.8

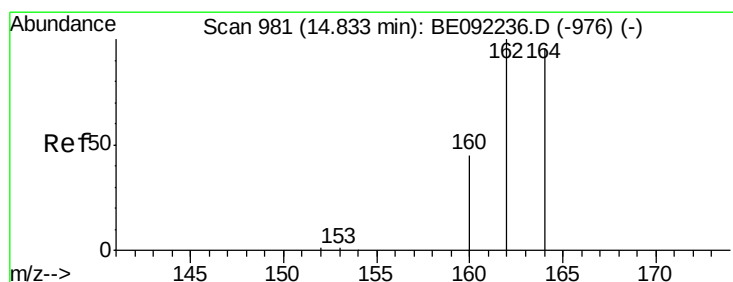
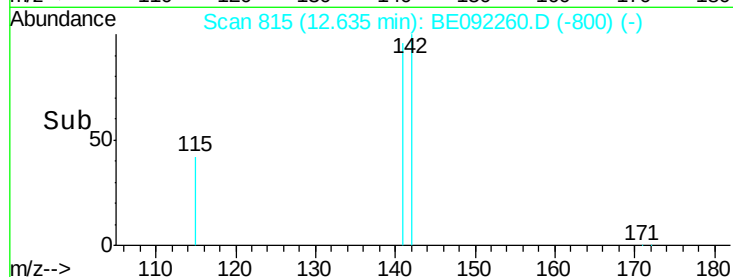
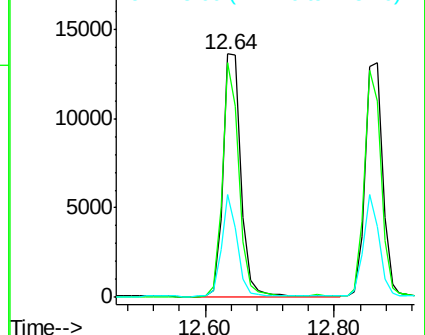
115 42.2 31.0 46.4



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# 981

Delta R.T. -0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

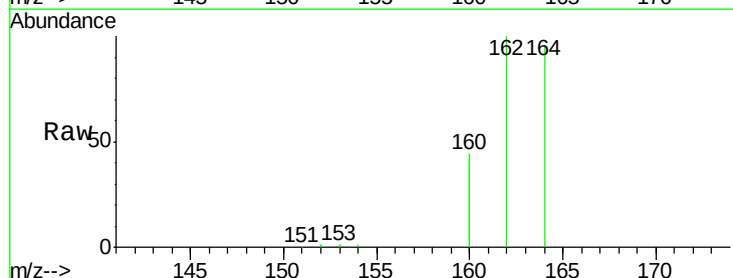
Tgt Ion:164 Resp: 27008

Ion Ratio Lower Upper

164 100

162 104.1 83.3 124.9

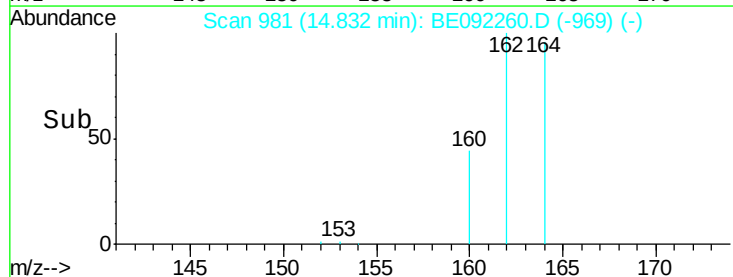
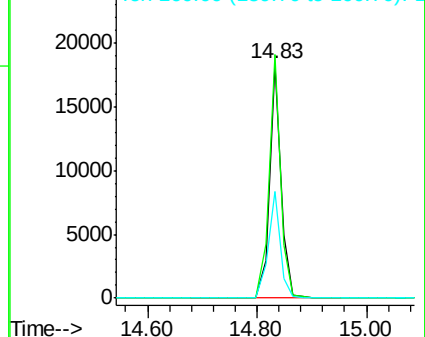
160 45.6 38.0 57.0

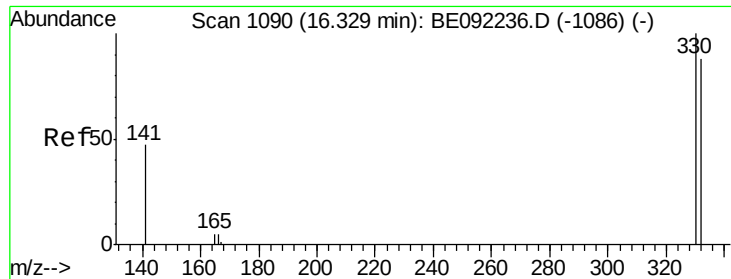


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

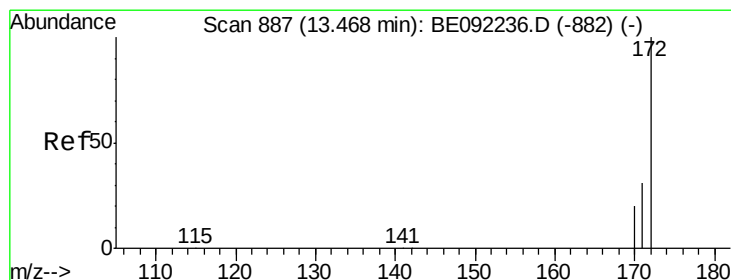
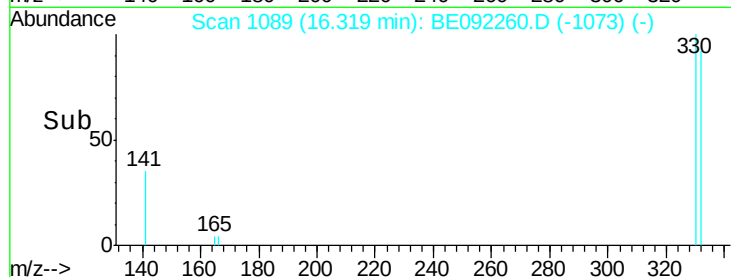
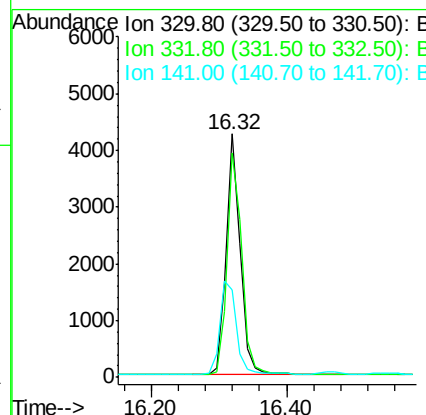
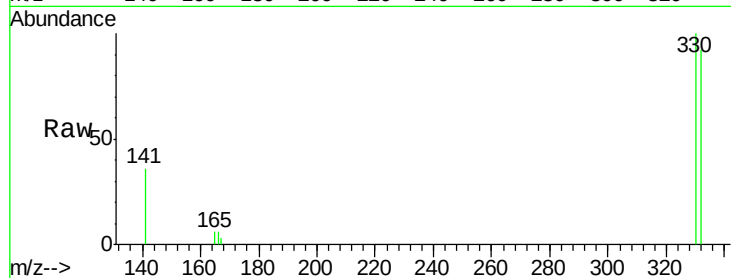




#13
 2,4,6-Tribromophenol
 Concen: 6.06 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: BE092260.D
 Acq: 10 Aug 2016 18:22

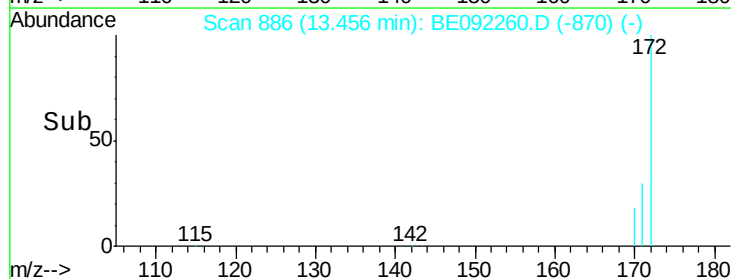
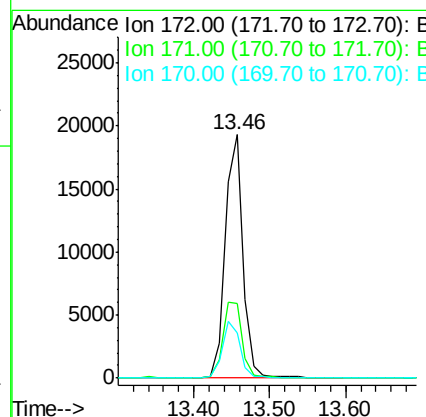
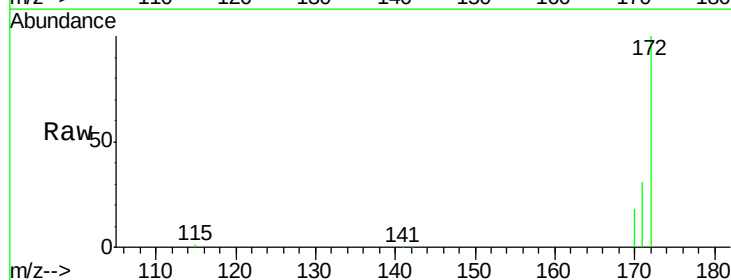
Instrument :
 BNA_E
 ClientSampleId :
 PB92482BS

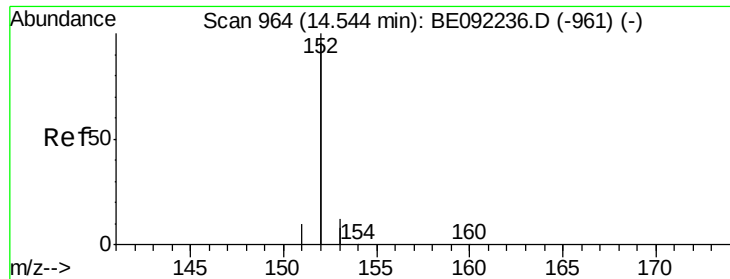
Tgt Ion:330 Resp: 6332
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.4 113.0
 141 44.5 37.7 56.5



#14
 2-Fluorobiphenyl
 Concen: 3.76 ng
 RT: 13.46 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BE092260.D
 Acq: 10 Aug 2016 18:22

Tgt Ion:172 Resp: 31426
 Ion Ratio Lower Upper
 172 100
 171 30.6 26.8 40.2
 170 18.5 17.8 26.6

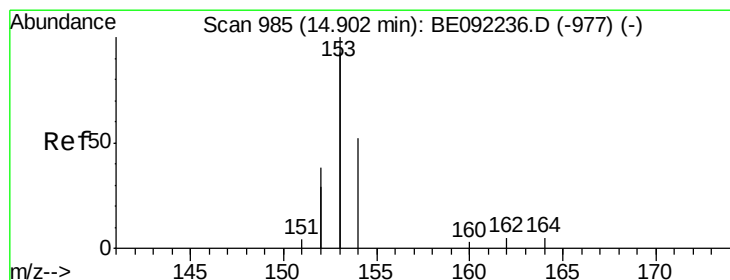
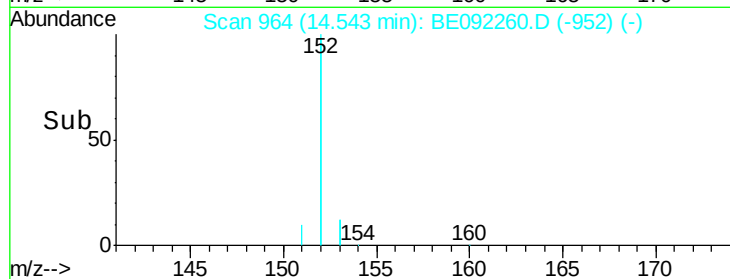
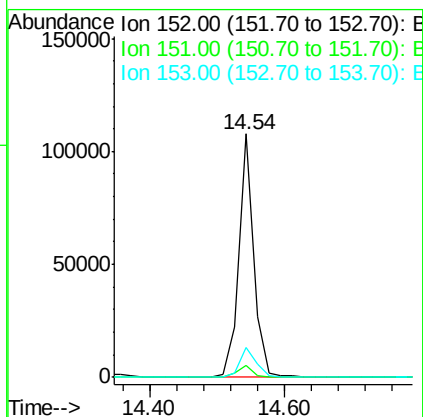
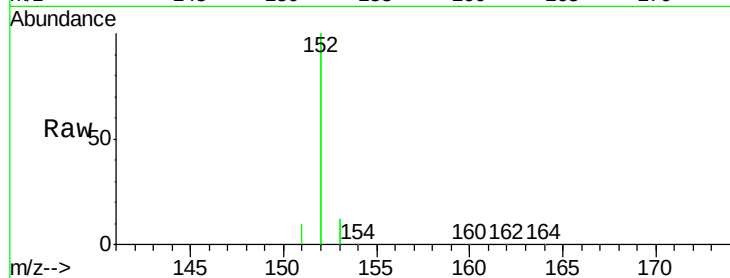




#15
Acenaphthylene
Concen: 3.50 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

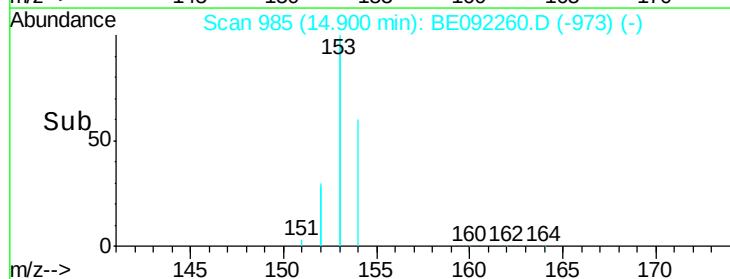
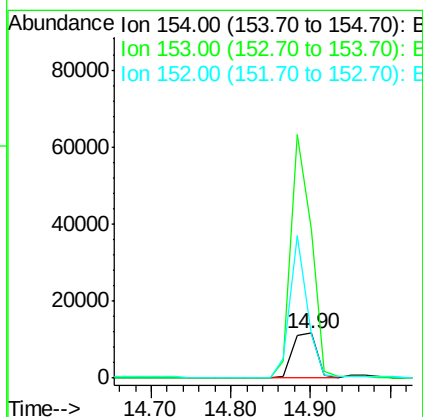
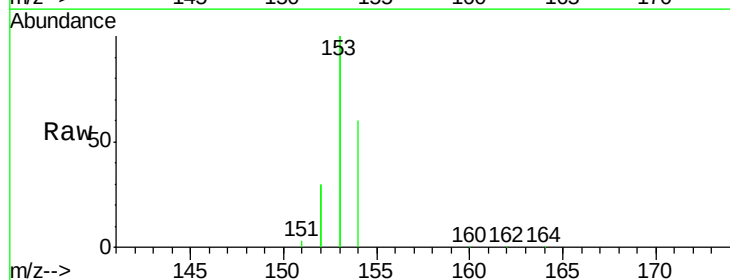
Instrument :
BNA_E
ClientSampleId :
PB92482BS

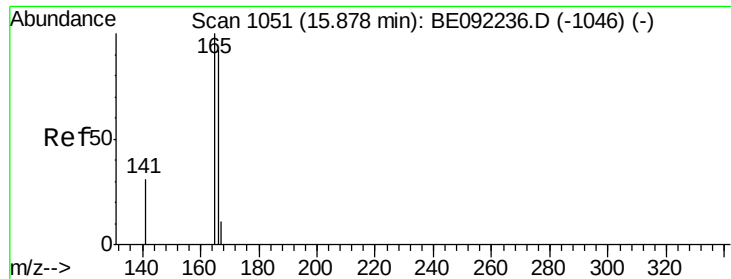
Tgt Ion:152 Resp: 163340
Ion Ratio Lower Upper
152 100
151 5.0 3.8 5.8
153 12.8 10.2 15.2



#16
Acenaphthene
Concen: 3.24 ng
RT: 14.90 min Scan# 985
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:154 Resp: 24260
Ion Ratio Lower Upper
154 100
153 454.4 355.0 532.4
152 226.0 179.7 269.5

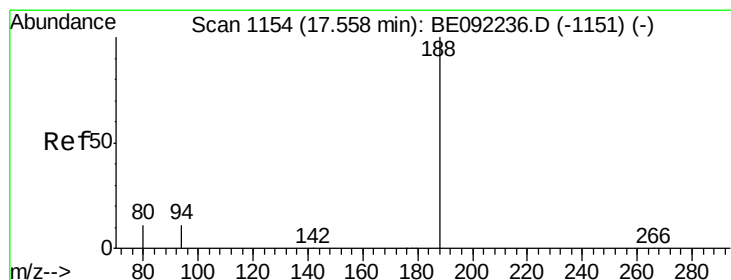
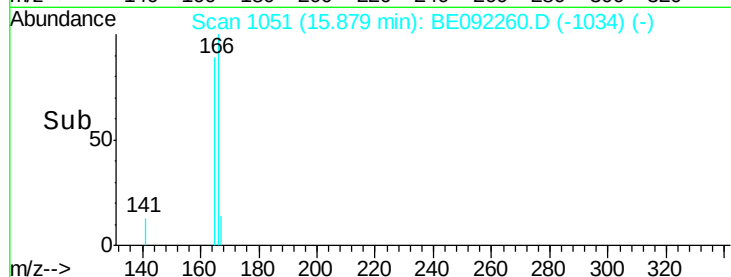
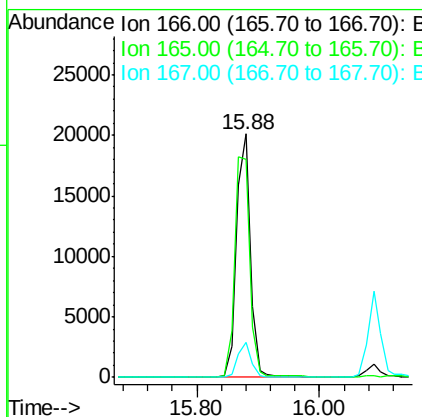
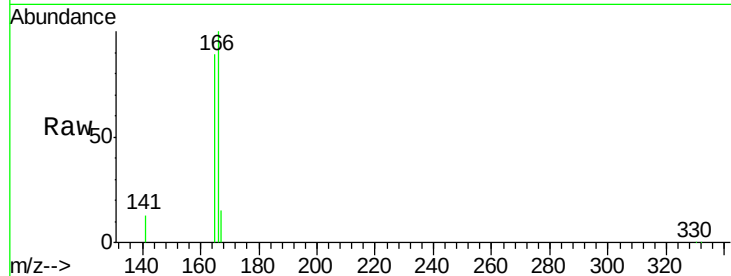




#17
Fluorene
 Concen: 3.48 ng
 RT: 15.88 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: BE092260.D
 Acq: 10 Aug 2016 18:22

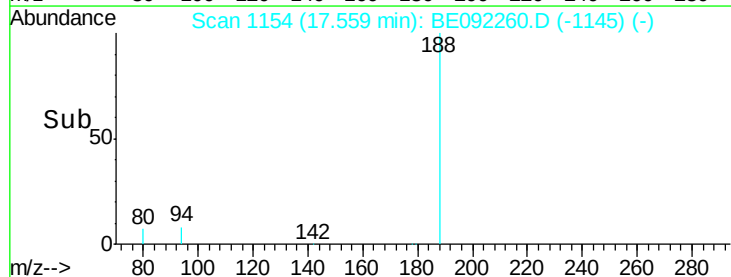
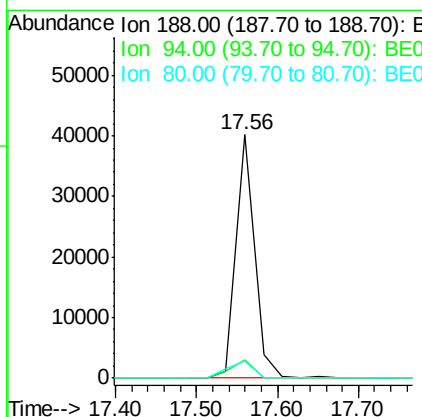
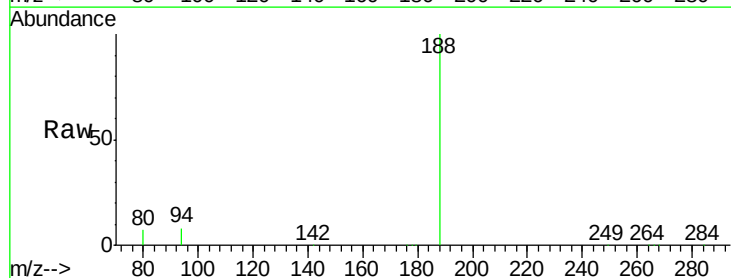
Instrument :
 BNA_E
 ClientSampleId :
 PB92482BS

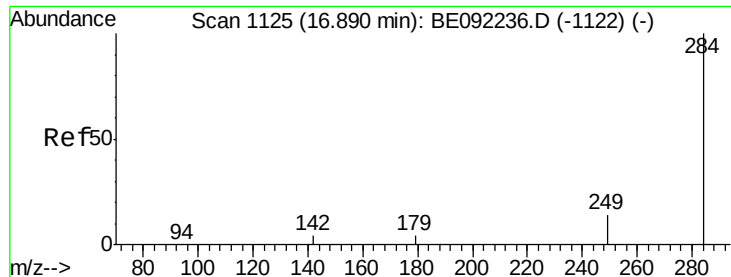
Tgt Ion:166 Resp: 31544
 Ion Ratio Lower Upper
 166 100
 165 99.3 80.1 120.1
 167 13.5 10.6 16.0



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.56 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE092260.D
 Acq: 10 Aug 2016 18:22

Tgt Ion:188 Resp: 63116
 Ion Ratio Lower Upper
 188 100
 94 7.7 9.2 13.8#
 80 7.0 9.1 13.7#

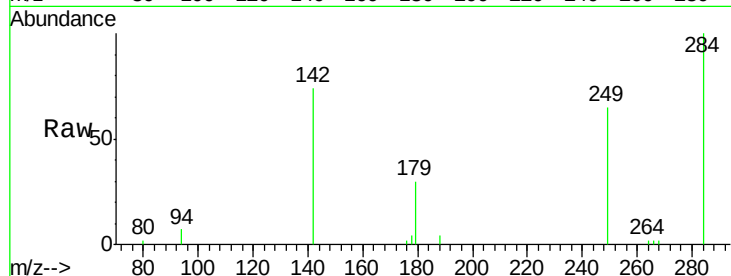




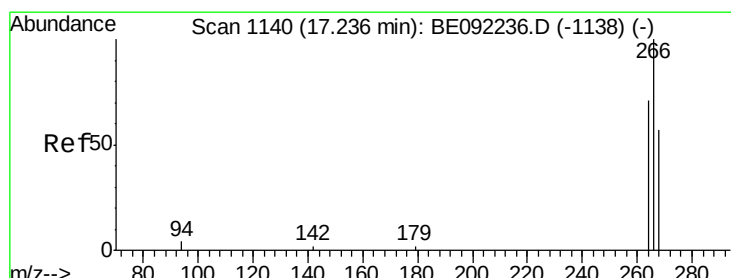
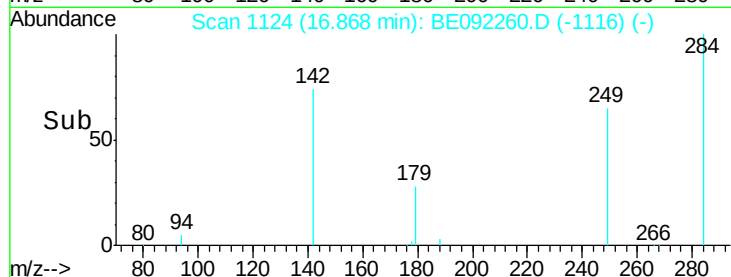
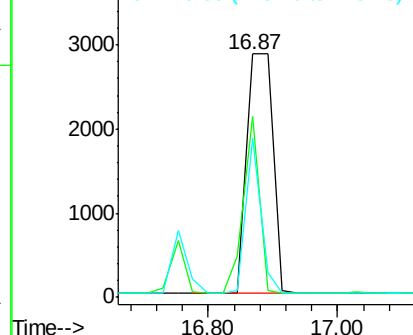
#19
Hexachlorobenzene
Concen: 3.18 ng
RT: 16.87 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Instrument :
BNA_E
ClientSampleId :
PB92482BS

Tgt Ion: 284 Resp: 7957
Ion Ratio Lower Upper
284 100
142 44.8 0.0 0.0#
249 36.9 0.0 0.0#

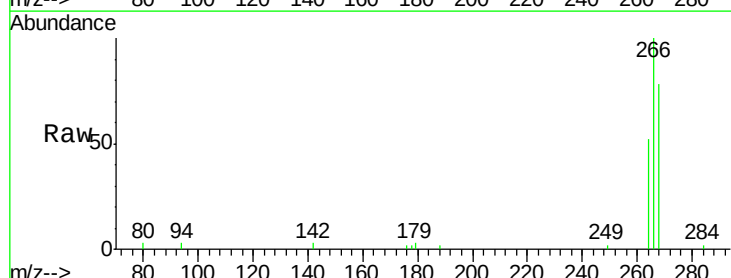


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

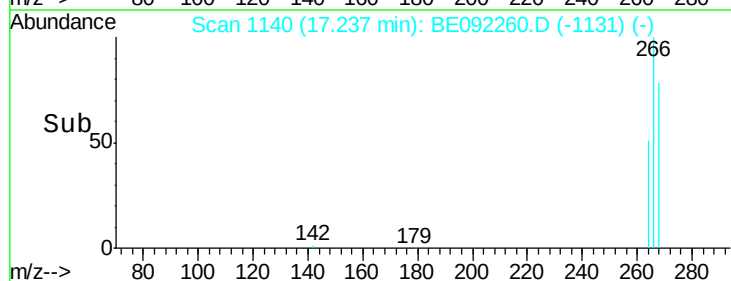
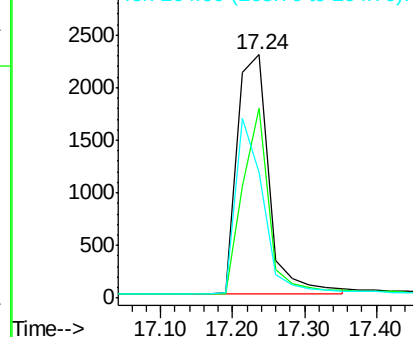


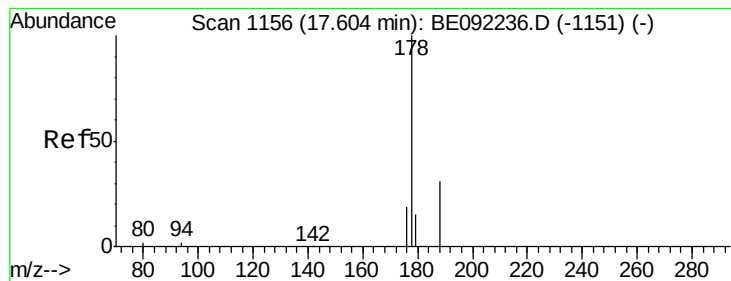
#20
Pentachlorophenol
Concen: 8.85 ng
RT: 17.24 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion: 266 Resp: 6918
Ion Ratio Lower Upper
266 100
268 78.0 62.3 93.5
264 51.7 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: 3.21 ng

RT: 17.61 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

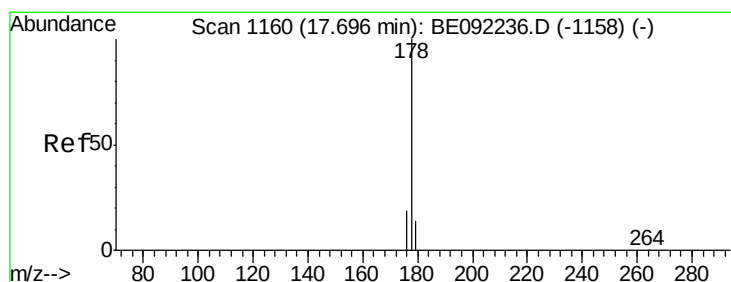
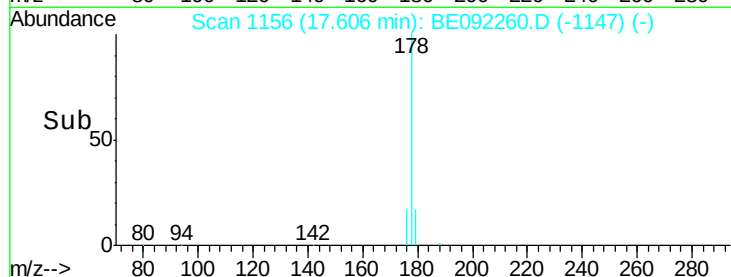
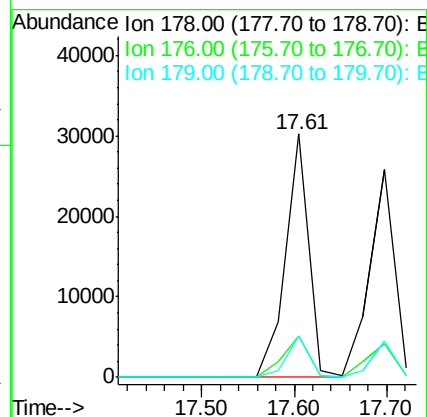
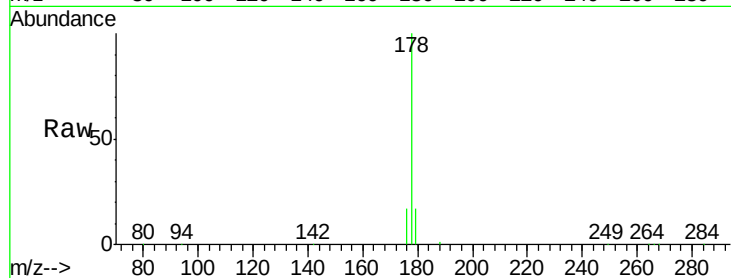
Tgt Ion:178 Resp: 52485

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 16.1 12.9 19.3



#22

Anthracene

Concen: 3.26 ng

RT: 17.70 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

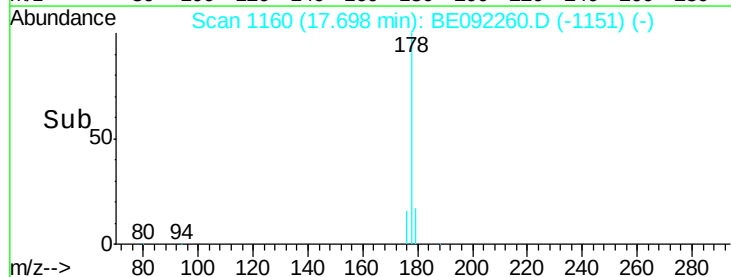
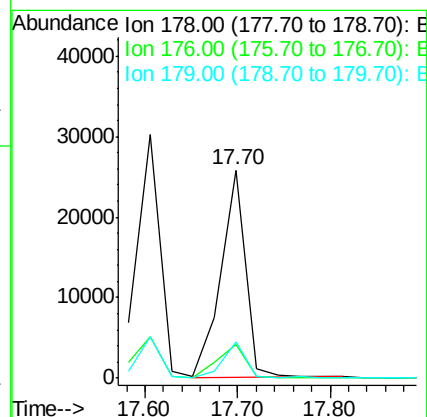
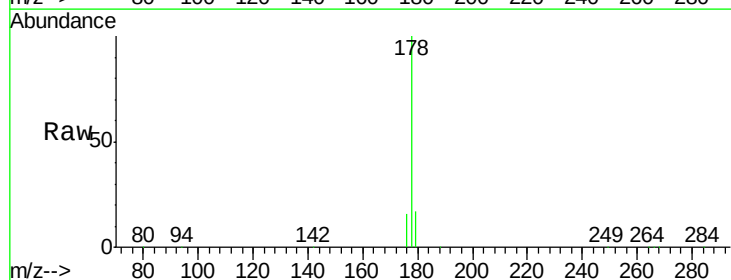
Tgt Ion:178 Resp: 48035

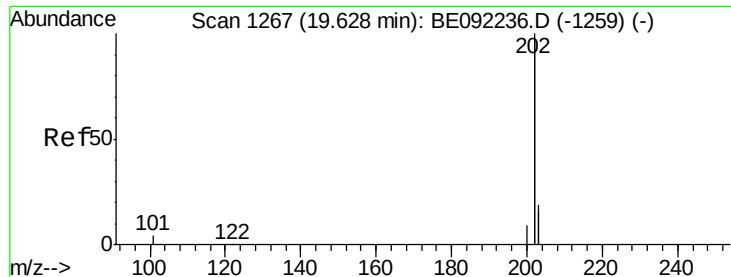
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 16.1 12.0 18.0





#23

Fluoranthene

Concen: 3.73 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

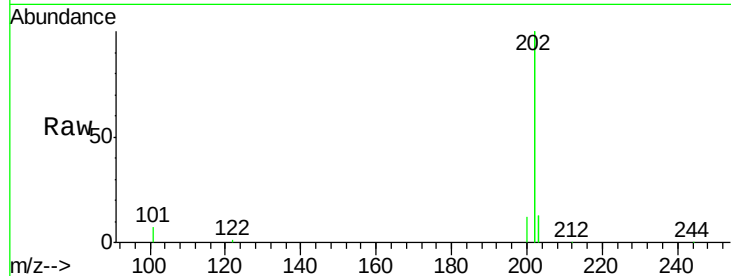
Tgt Ion: 202 Resp: 241940

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

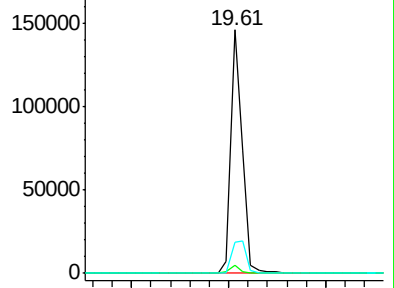
203 17.4 13.7 20.5



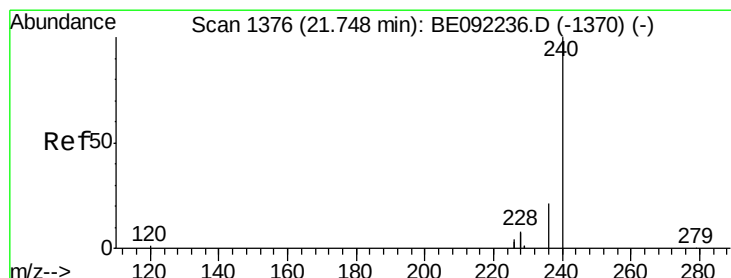
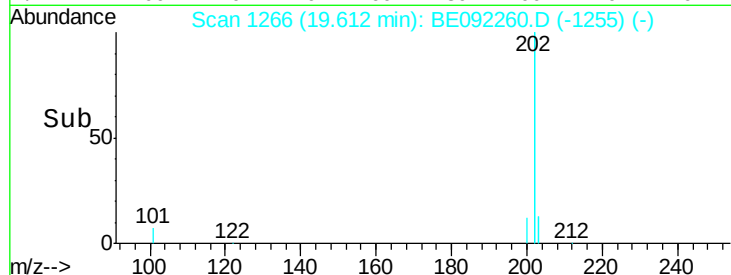
Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.73 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

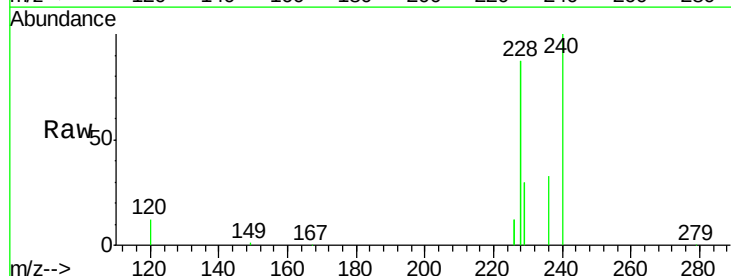
Tgt Ion: 240 Resp: 65066

Ion Ratio Lower Upper

240 100

120 12.3 1.2 1.8#

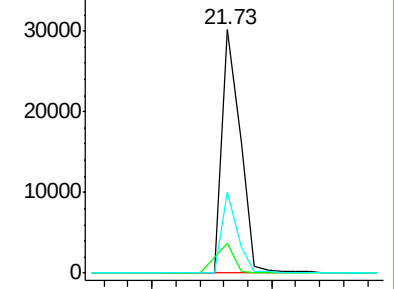
236 33.5 17.1 25.7#



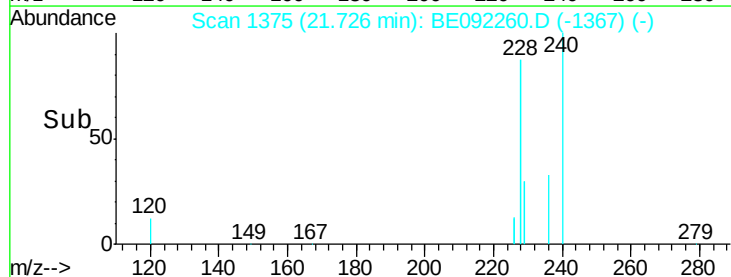
Abundance Ion 240.00 (239.70 to 240.70): E

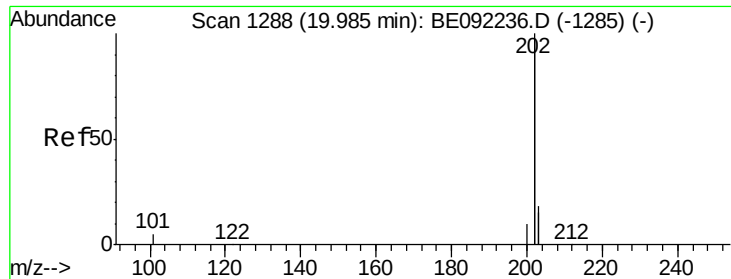
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

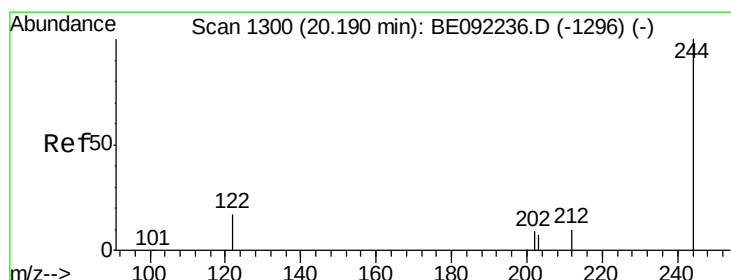
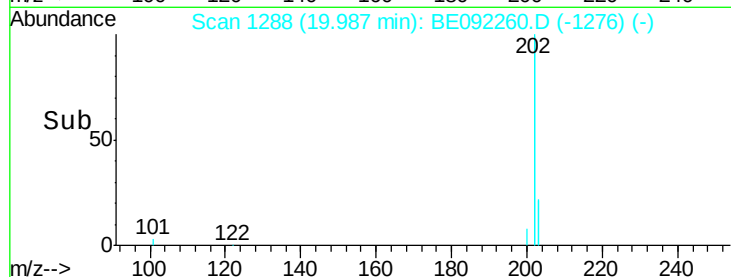
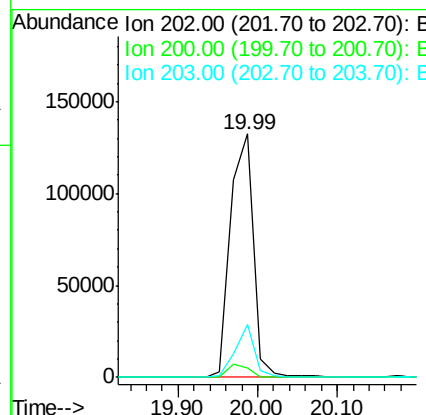
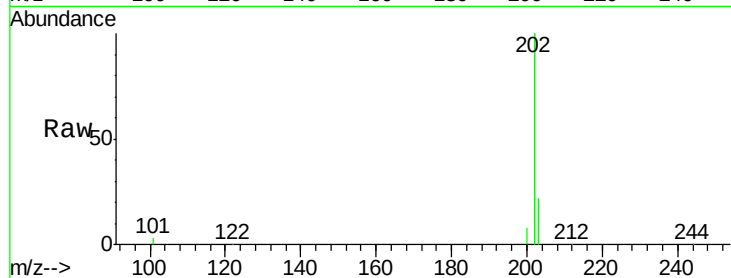




#25
 Pyrene
 Concen: 3.40 ng
 RT: 19.99 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BE092260.D
 Acq: 10 Aug 2016 18:22

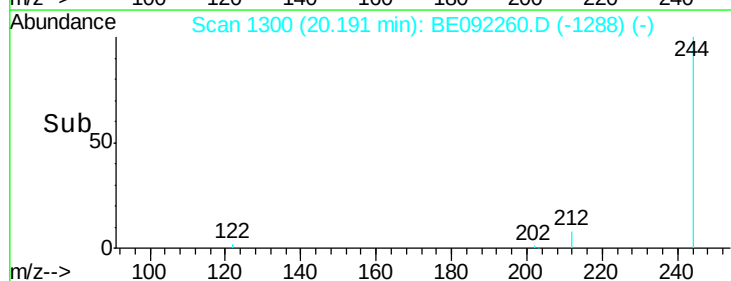
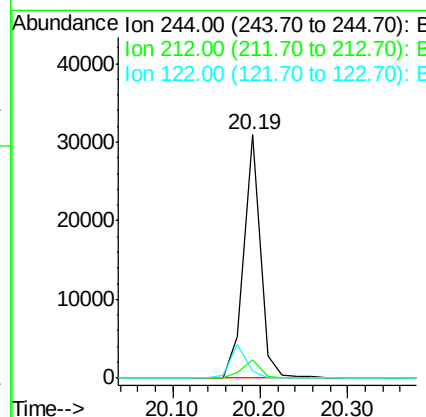
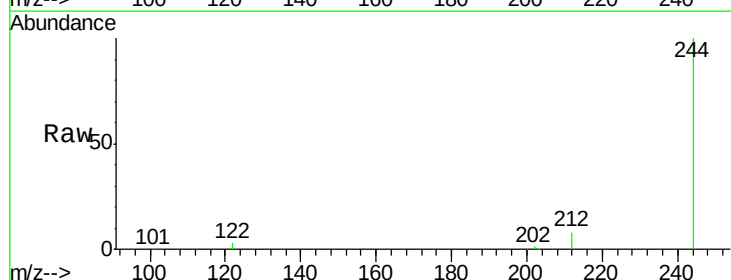
Instrument :
 BNA_E
 ClientSampleId :
 PB92482BS

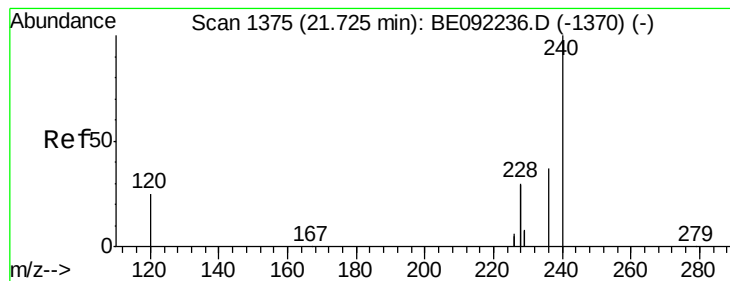
Tgt Ion: 202 Resp: 261295
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 17.9 14.0 21.0



#26
 Terphenyl-d14
 Concen: 3.69 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BE092260.D
 Acq: 10 Aug 2016 18:22

Tgt Ion: 244 Resp: 40605
 Ion Ratio Lower Upper
 244 100
 212 7.8 10.2 15.2#
 122 2.7 15.9 23.9#





#27

Benzo(a)anthracene

Concen: 3.98 ng

RT: 21.70 min Scan# 1374

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

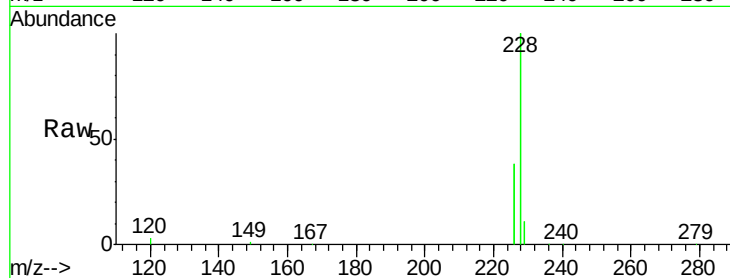
Tgt Ion:228 Resp: 310667

Ion Ratio Lower Upper

228 100

226 37.8 15.9 23.9#

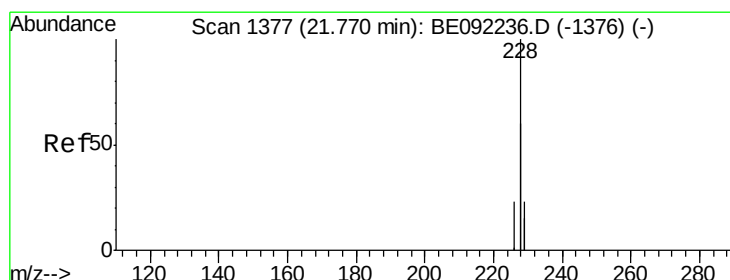
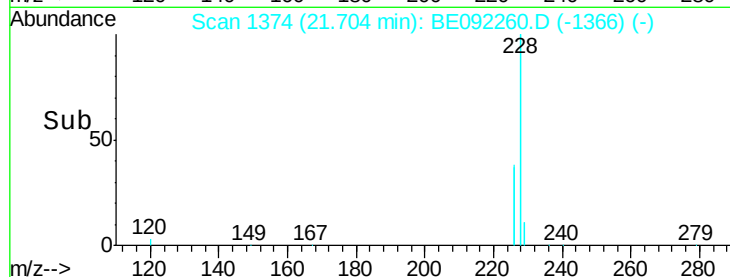
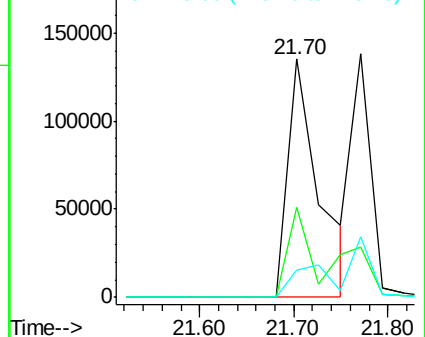
229 11.4 22.4 33.6#



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: 4.30 ng

RT: 21.70 min Scan# 1374

Delta R.T. -0.07 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

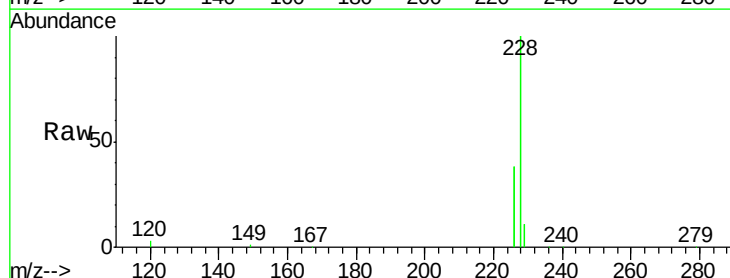
Tgt Ion:228 Resp: 310645

Ion Ratio Lower Upper

228 100

226 37.8 18.3 27.5#

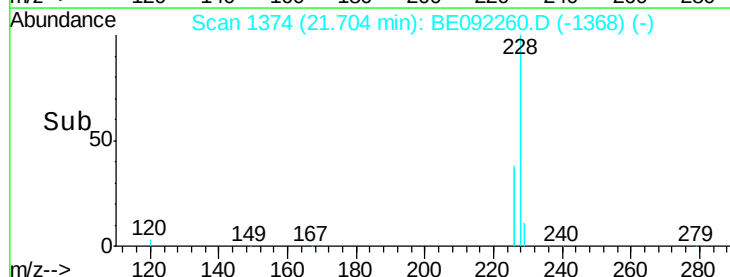
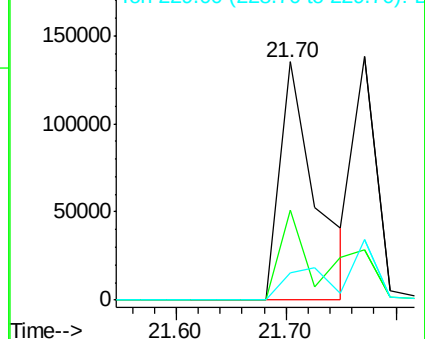
229 11.4 18.6 27.8#

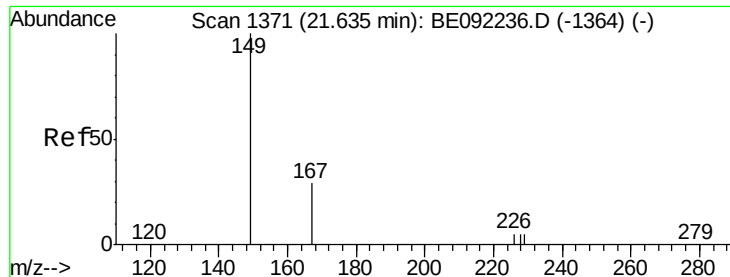


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 3.00 ng

RT: 21.64 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

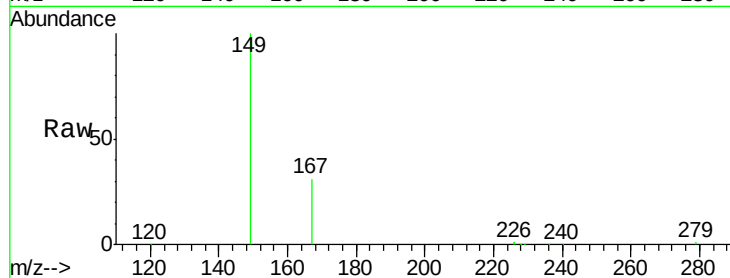
Tgt Ion:149 Resp: 37735

Ion Ratio Lower Upper

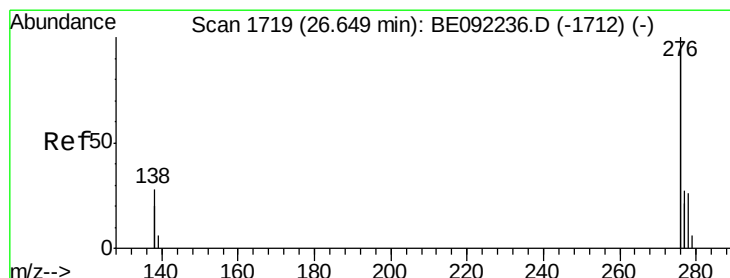
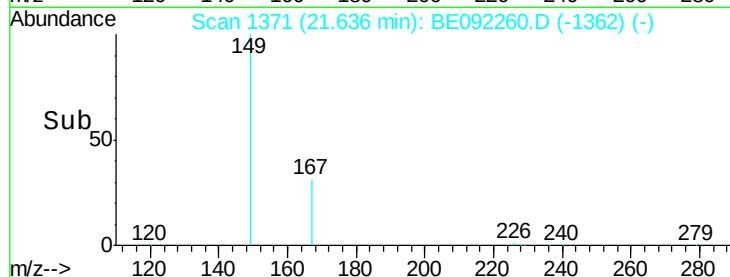
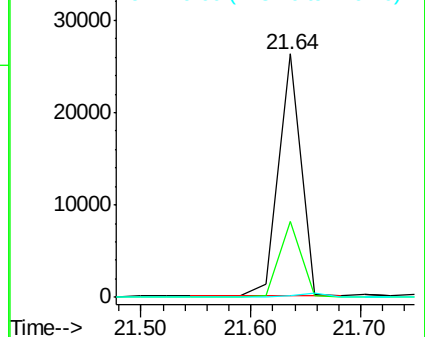
149 100

167 30.4 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: 4.19 ng

RT: 26.62 min Scan# 1717

Delta R.T. -0.03 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

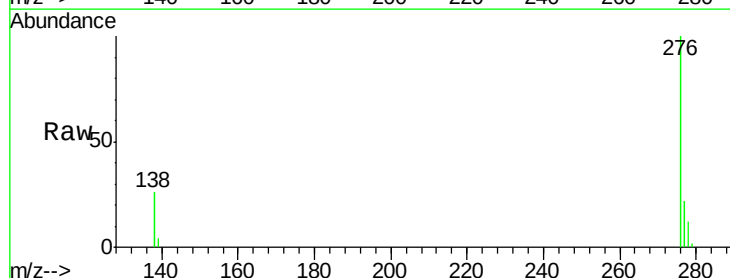
Tgt Ion:276 Resp: 325743

Ion Ratio Lower Upper

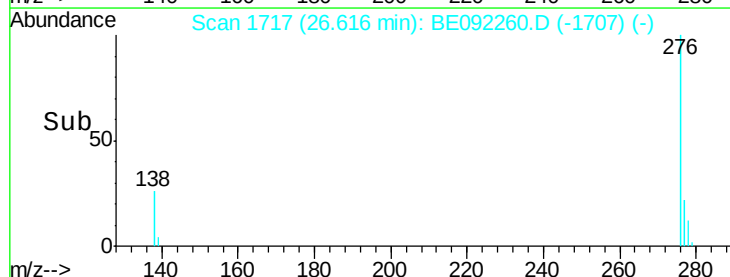
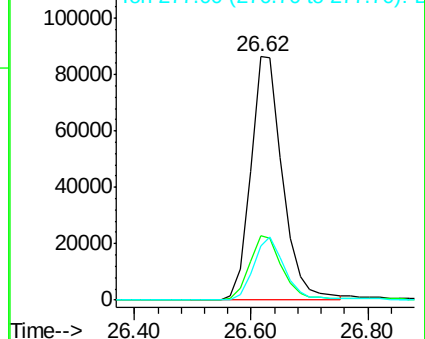
276 100

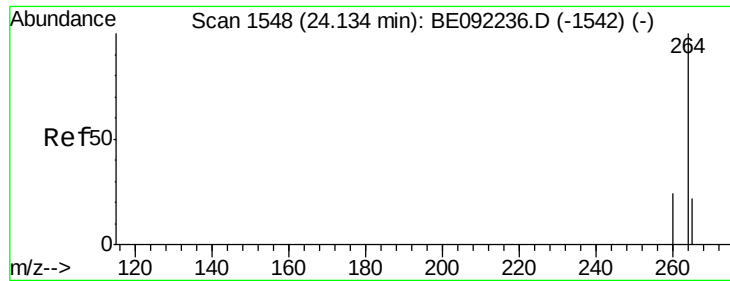
138 26.8 21.3 31.9

277 24.7 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: 24.13 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

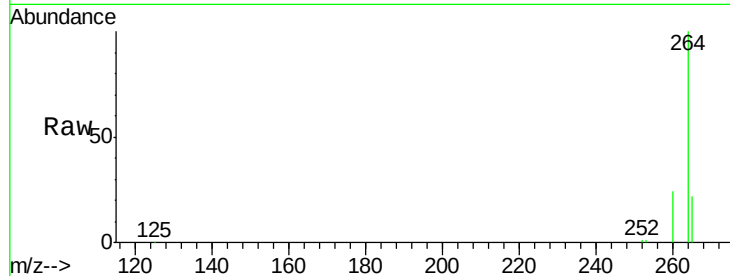
Tgt Ion:264 Resp: 73411

Ion Ratio Lower Upper

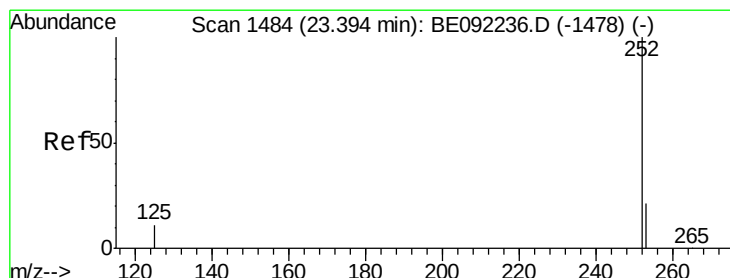
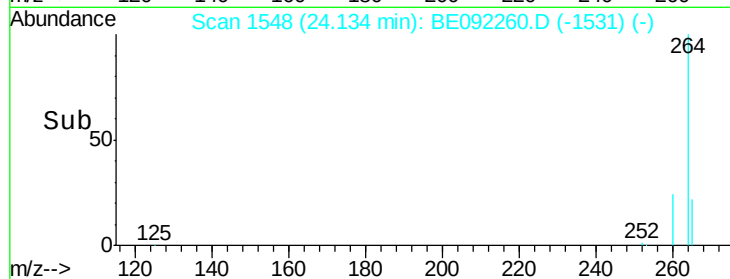
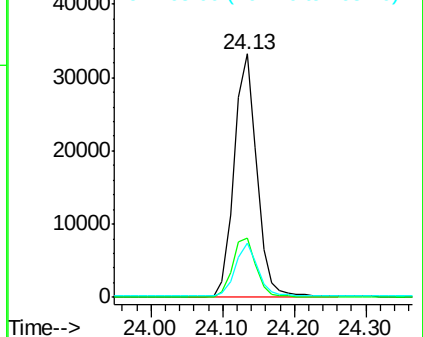
264 100

260 24.2 19.5 29.3

265 22.3 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#32

Benzo(b)fluoranthene

Concen: 3.59 ng

RT: 23.44 min Scan# 1488

Delta R.T. 0.05 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

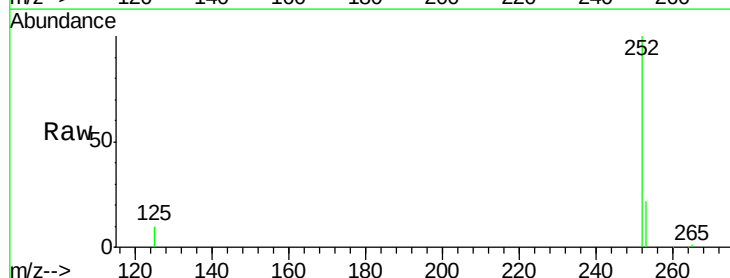
Tgt Ion:252 Resp: 69137

Ion Ratio Lower Upper

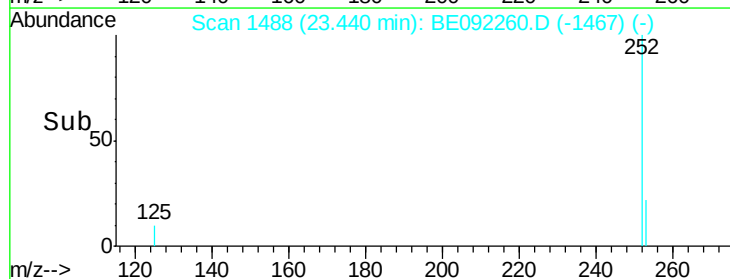
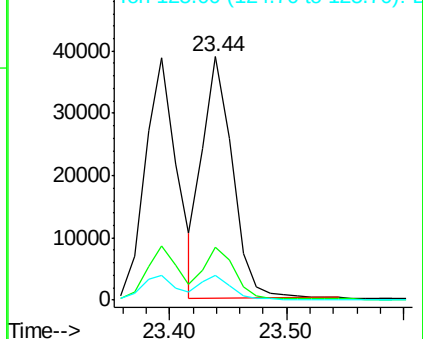
252 100

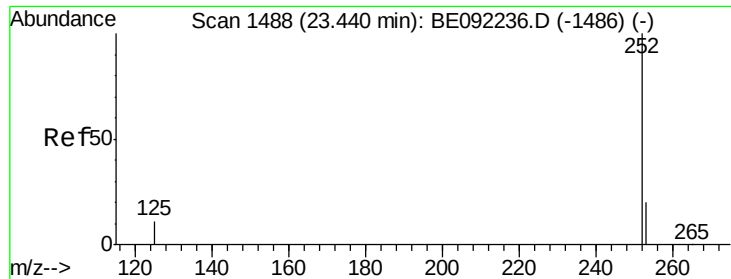
253 22.0 19.0 28.4

125 10.3 10.3 15.5



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





#33

Benzo(k)fluoranthene

Concen: 3.61 ng

RT: 23.44 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

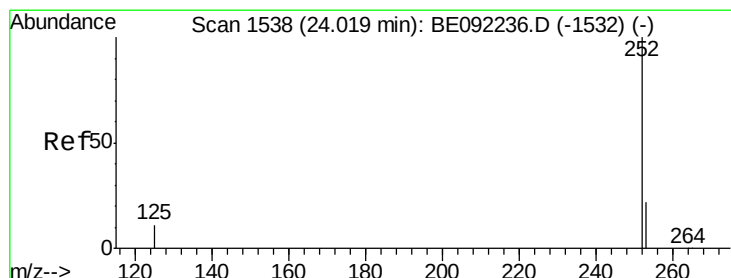
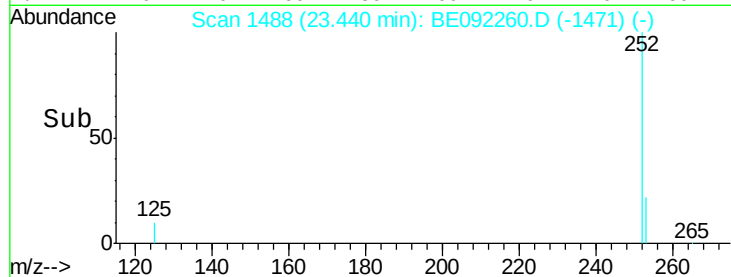
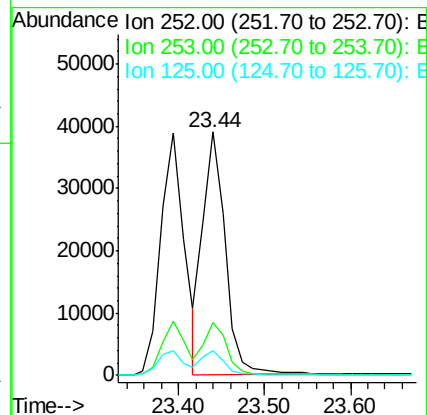
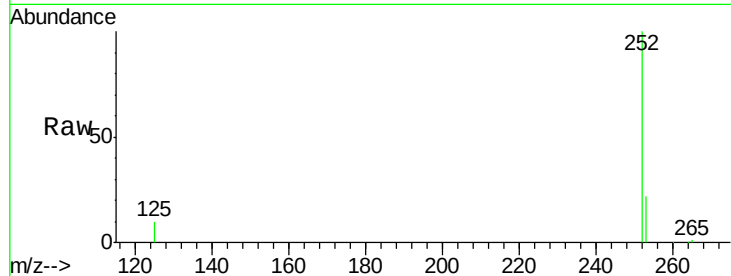
Tgt Ion:252 Resp: 70158

Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

125 10.3 10.6 15.8#



#34

Benzo(a)pyrene

Concen: 3.85 ng

RT: 24.02 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

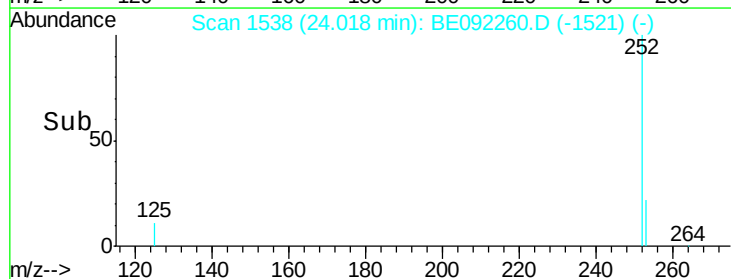
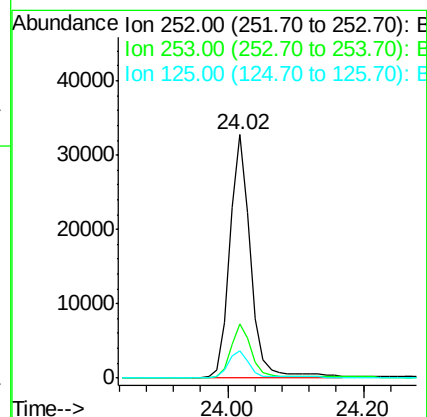
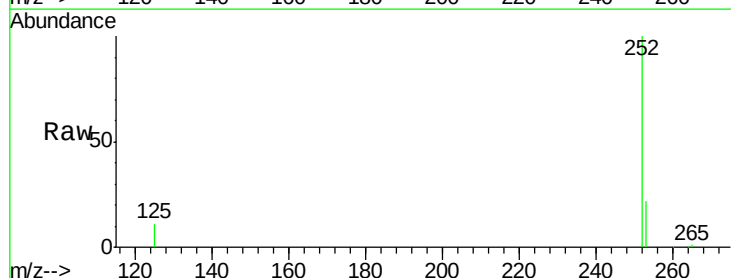
Tgt Ion:252 Resp: 69930

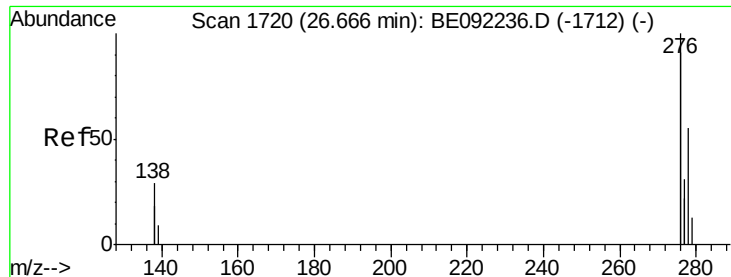
Ion Ratio Lower Upper

252 100

253 22.2 20.3 30.5

125 11.3 11.8 17.6#





#35

Dibenzo(a,h)anthracene

Concen: 3.97 ng

RT: 26.65 min Scan# 1719

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

Instrument :

BNA_E

ClientSampleId :

PB92482BS

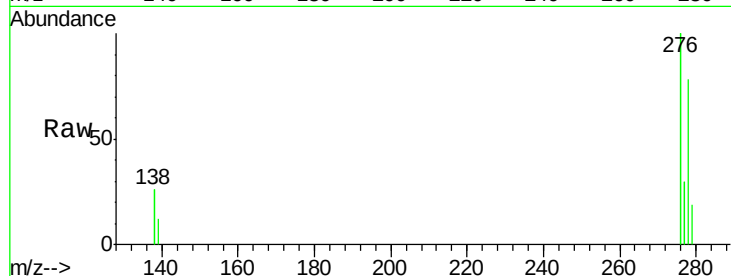
Tgt Ion:278 Resp: 67194

Ion Ratio Lower Upper

278 100

139 15.9 16.2 24.2#

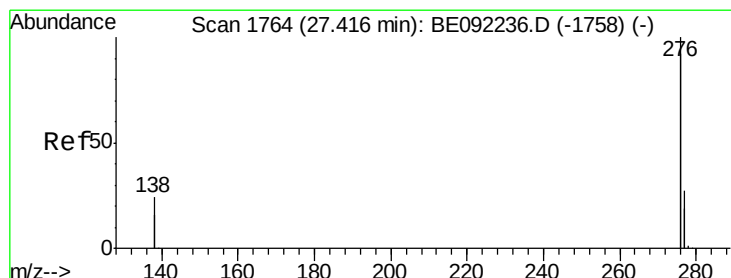
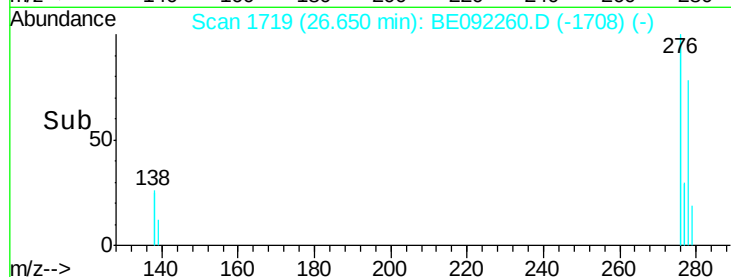
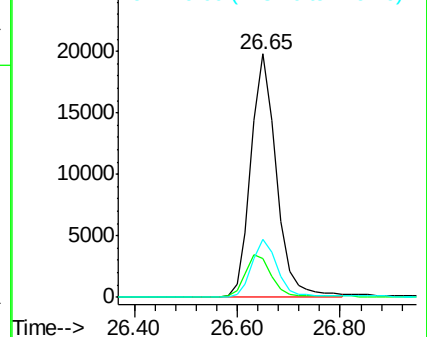
279 23.9 21.4 32.2



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: 3.83 ng

RT: 27.40 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BE092260.D

Acq: 10 Aug 2016 18:22

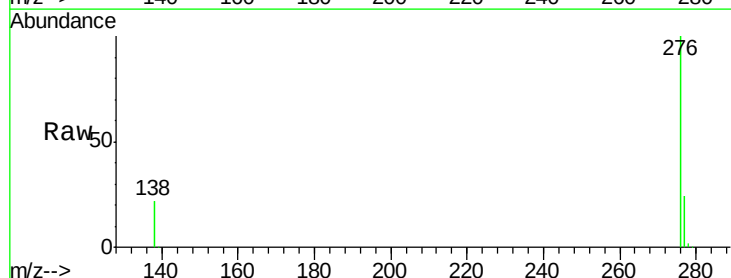
Tgt Ion:276 Resp: 278402

Ion Ratio Lower Upper

276 100

277 24.0 21.4 32.2

138 22.1 19.4 29.2



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

