

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080916\
 Data File : BE092243.D
 Acq On : 10 Aug 2016 00:16
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE080916

Quant Time: Aug 10 04:45:46 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 04:43:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9967	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	48163	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	27756	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	67397	5.00	ng	0.00
24) Chrysene-d12	21.73	240	62439	5.00	ng	-0.02
31) Perylene-d12	24.13	264	63775	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	727	0.33	ng	0.00
5) Phenol-d6	7.36	99	923	0.29	ng	0.00
8) Nitrobenzene-d5	9.23	82	116	0.03	ng	-0.14
13) 2,4,6-Tribromophenol	16.33	330	235	0.28	ng	0.00
14) 2-Fluorobiphenyl	13.47	172	3093	0.36	ng	0.00
26) Terphenyl-d14	20.19	244	3618	0.34	ng	0.00

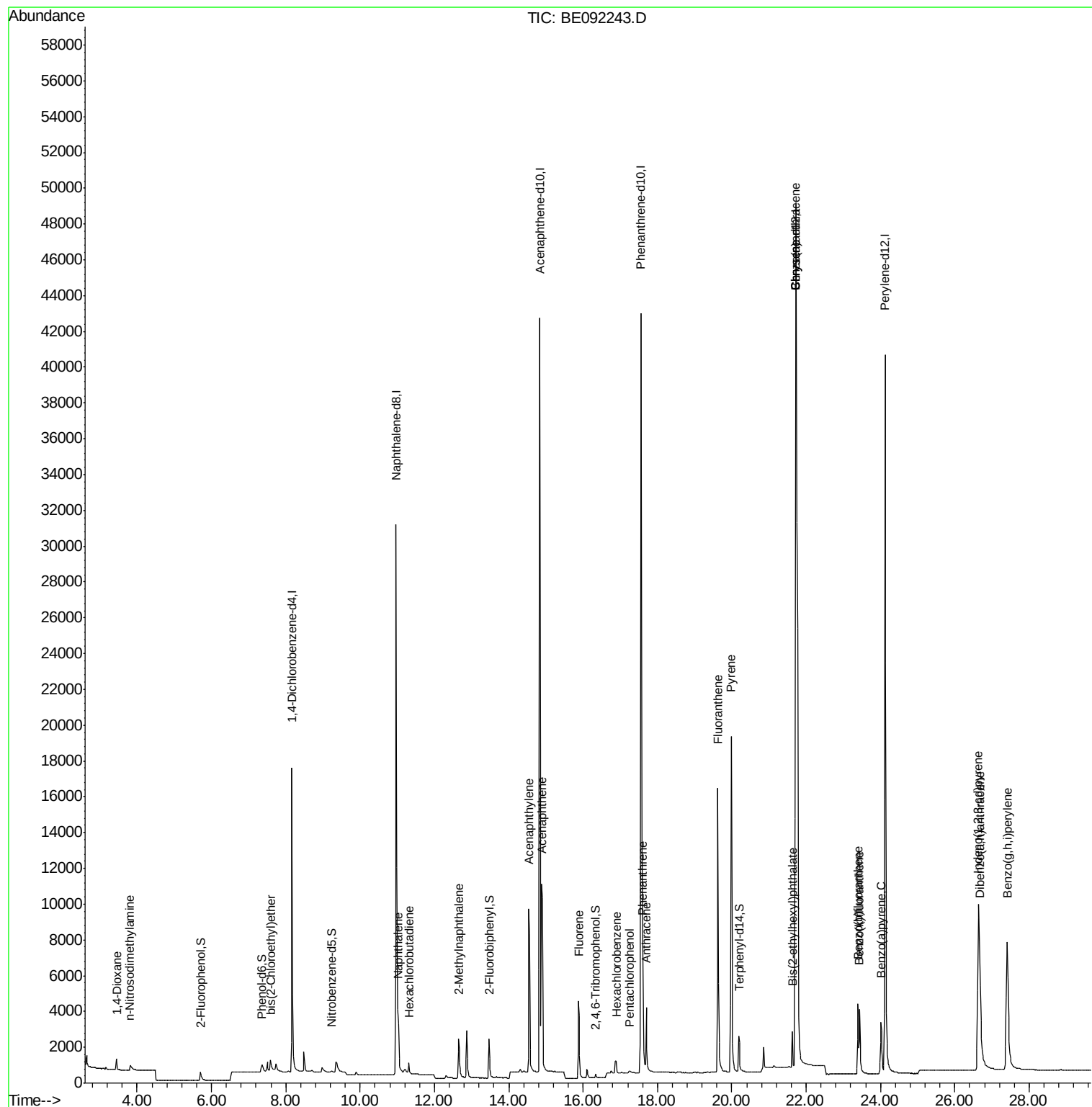
Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	496	0.39	ng	97
3) n-Nitrosodimethylamine	3.81	42	502	0.33	ng	99
6) bis(2-Chloroethyl)ether	7.59	93	833	0.33	ng	99
9) Naphthalene	11.03	128	3978	0.37	ng	99
10) Hexachlorobutadiene	11.32	225	586	0.38	ng	97
11) 2-Methylnaphthalene	12.66	142	2468	0.37	ng	97
15) Acenaphthylene	14.54	152	17257	0.36	ng	99
16) Acenaphthene	14.90	154	2855	0.37	ng	98
17) Fluorene	15.88	166	3382	0.36	ng	99
19) Hexachlorobenzene	16.89	284	1016	0.38	ng	# 100
20) Pentachlorophenol	17.26	266	169	0.24	ng	92
21) Phenanthrene	17.61	178	6301	0.36	ng	100
22) Anthracene	17.70	178	5323	0.34	ng	99
23) Fluoranthene	19.63	202	24122	0.35	ng	99
25) Pyrene	19.99	202	25567	0.35	ng	100
27) Benzo(a)anthracene	21.73	228	28458	0.38	ng	99
28) Chrysene	21.73	228	28458	0.41	ng	92
29) Bis(2-ethylhexyl)phthalate	21.64	149	2394	0.25	ng	# 100
30) Indeno(1,2,3-cd)pyrene	26.63	276	24165	0.32	ng	100
32) Benzo(b)fluoranthene	23.39	252	5670	0.34	ng	100
33) Benzo(k)fluoranthene	23.44	252	6343	0.37	ng	99
34) Benzo(a)pyrene	24.02	252	5371	0.34	ng	98
35) Dibenzo(a,h)anthracene	26.67	278	4866	0.33	ng	99
36) Benzo(g,h,i)perylene	27.42	276	22045	0.35	ng	99

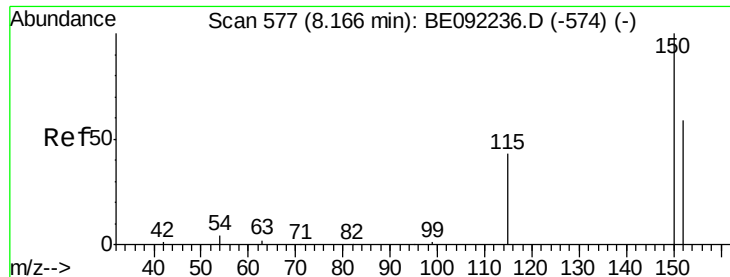
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

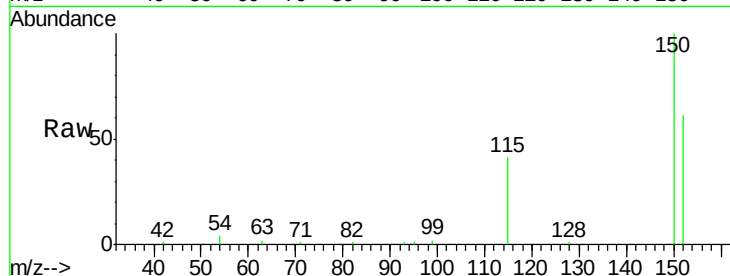
Tgt Ion:152 Resp: 9967

Ion Ratio Lower Upper

152 100

150 164.6 135.6 203.4

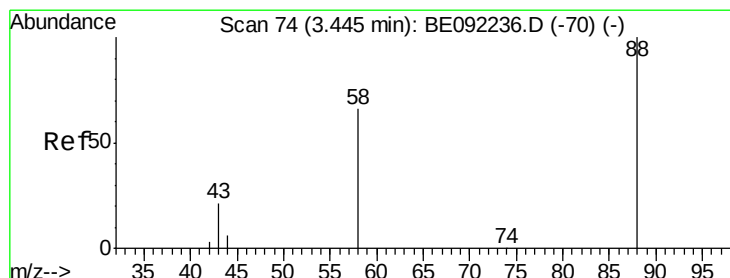
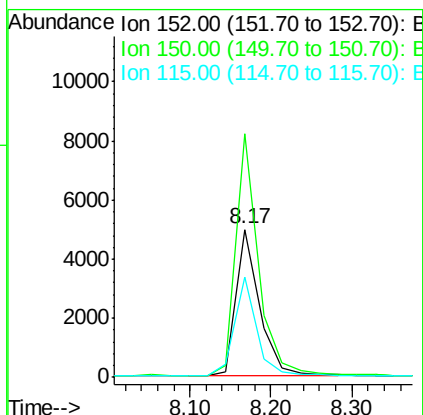
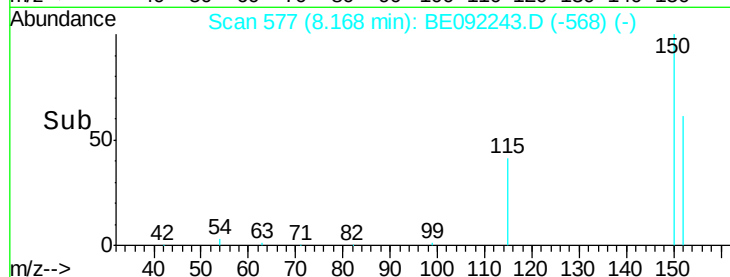
115 67.9 59.4 89.0



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: 0.39 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

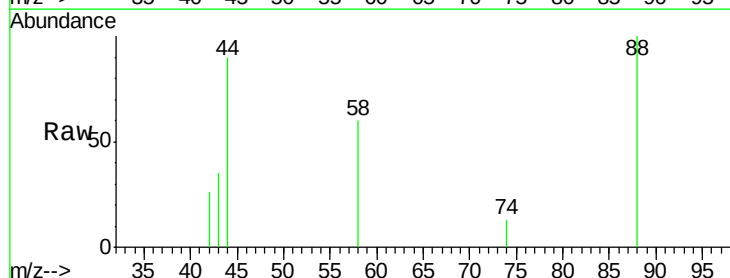
Tgt Ion: 88 Resp: 496

Ion Ratio Lower Upper

88 100

58 80.8 64.4 96.6

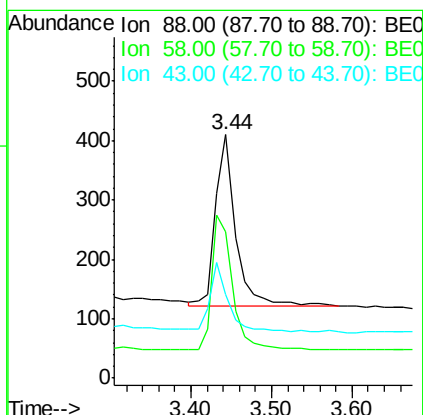
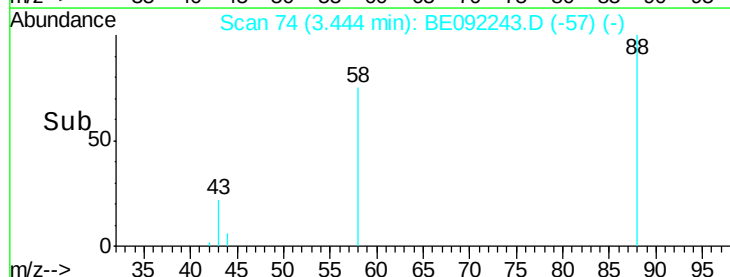
43 36.1 33.4 50.2

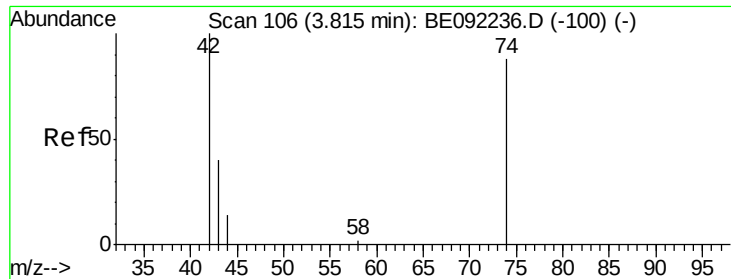


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.33 ng

RT: 3.81 min Scan# 106

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

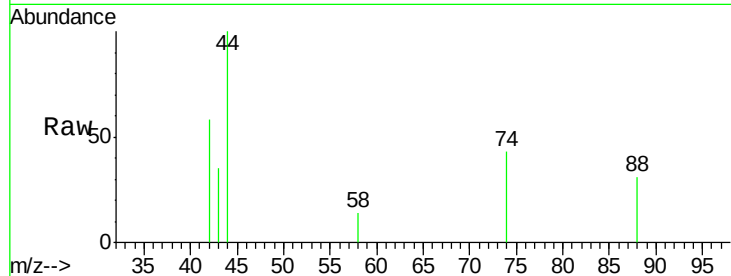
Tgt Ion: 42 Resp: 502

Ion Ratio Lower Upper

42 100

74 97.8 77.2 115.8

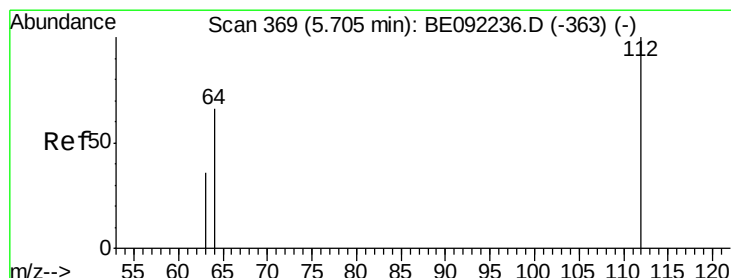
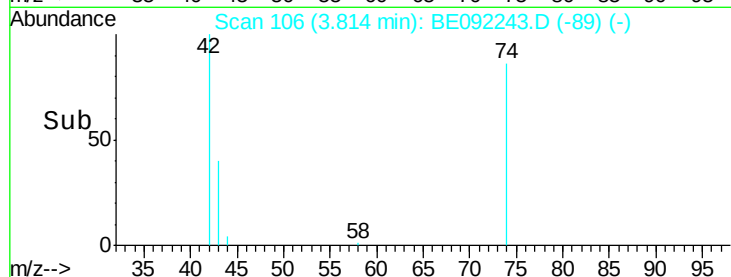
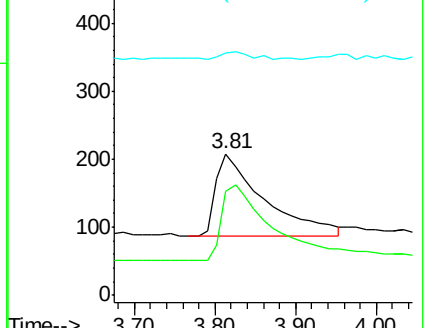
44 5.6 5.0 7.4



Abundance Ion 42.00 (41.70 to 42.70): BE092243.D (-89) (-)

Ion 74.00 (73.70 to 74.70): BE092243.D (-89) (-)

Ion 44.00 (43.70 to 44.70): BE092243.D (-89) (-)



#4

2-Fluorophenol

Concen: 0.33 ng

RT: 5.70 min Scan# 369

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

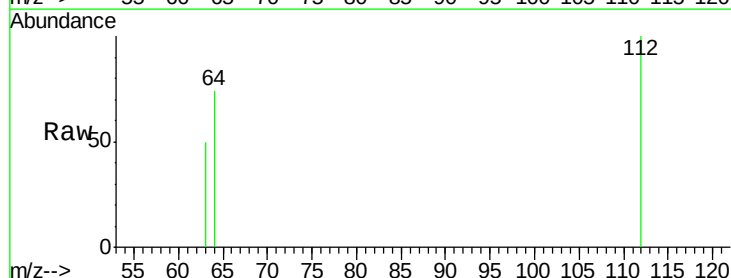
Tgt Ion: 112 Resp: 727

Ion Ratio Lower Upper

112 100

64 68.5 53.2 79.8

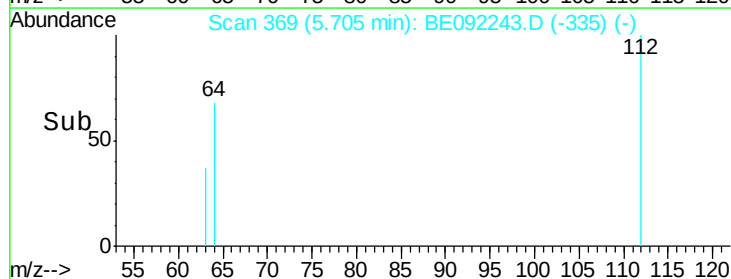
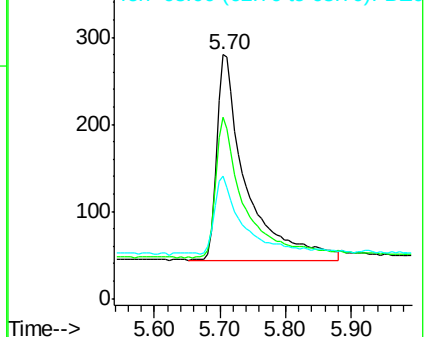
63 36.2 27.4 41.2

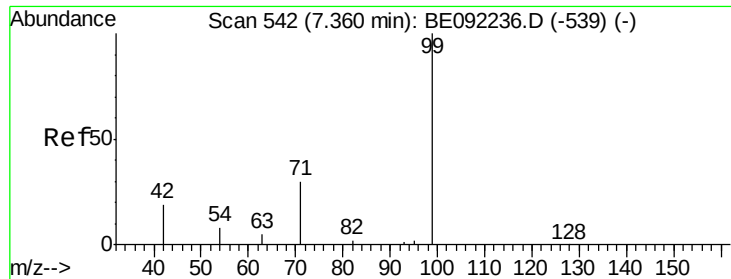


Abundance Ion 112.00 (111.70 to 112.70): BE092243.D (-335) (-)

Ion 64.00 (63.70 to 64.70): BE092243.D (-335) (-)

Ion 63.00 (62.70 to 63.70): BE092243.D (-335) (-)





#5

Phenol-d6

Concen: 0.29 ng

RT: 7.36 min Scan# 542

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

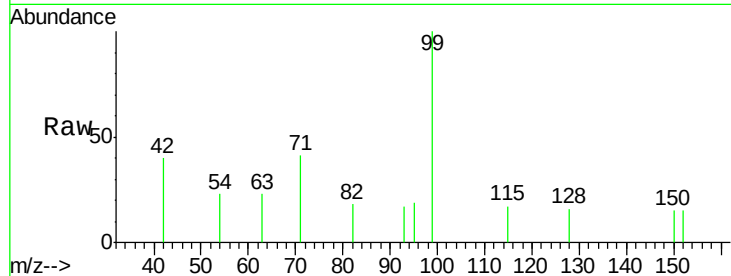
Tgt Ion: 99 Resp: 923

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

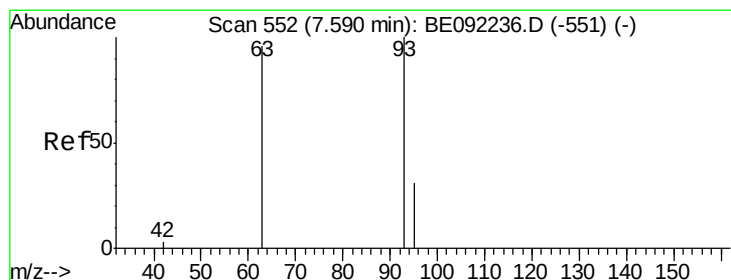
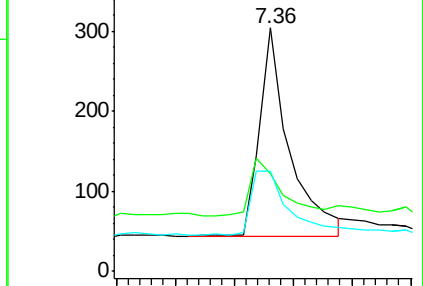
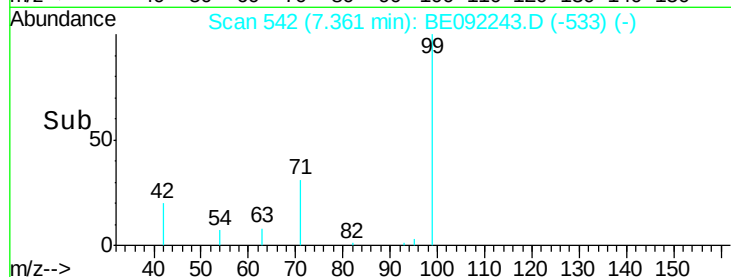
71 0.0 29.8 44.8#



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: 0.33 ng

RT: 7.59 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

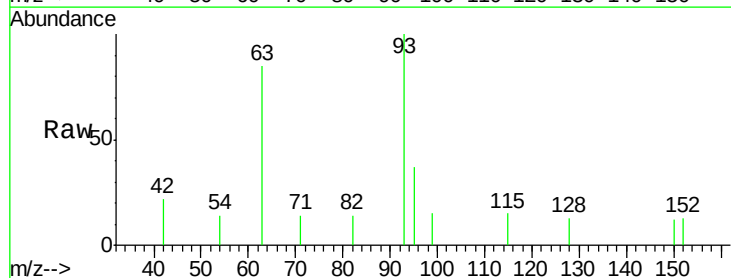
Tgt Ion: 93 Resp: 833

Ion Ratio Lower Upper

93 100

63 85.5 68.5 102.7

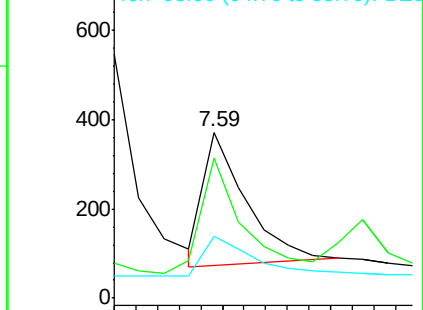
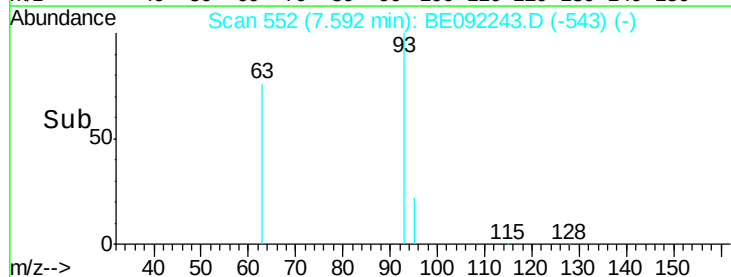
95 35.7 27.2 40.8

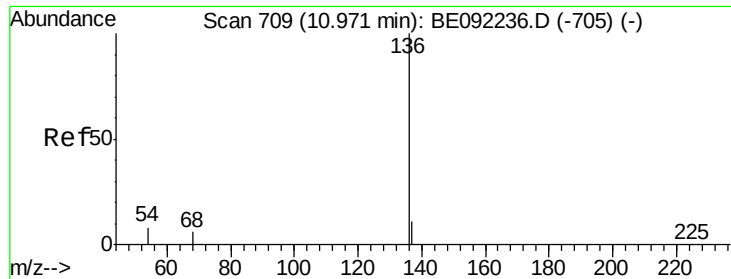


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

Tgt Ion:136 Resp: 48163

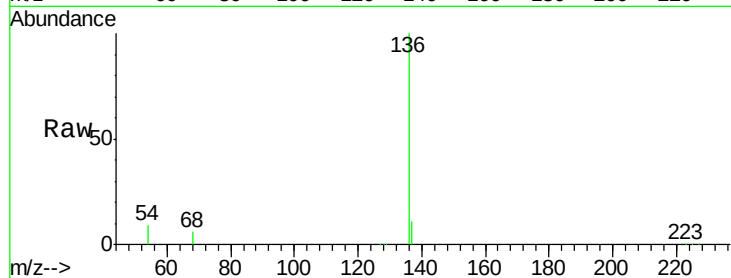
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.5 6.2 9.4

68 6.1 4.6 6.8

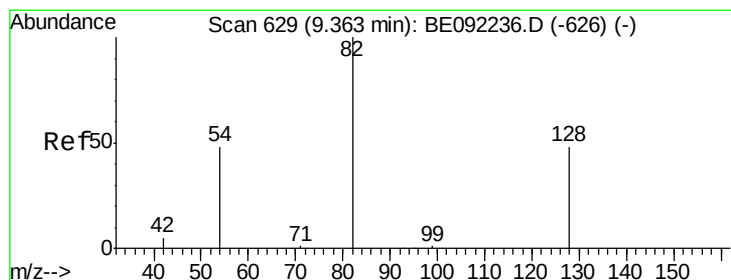
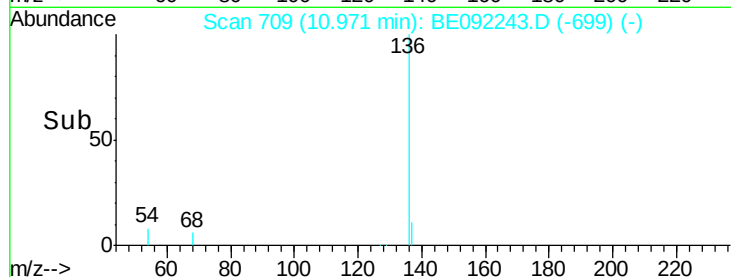
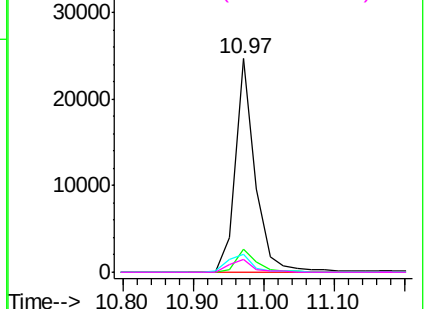


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.03 ng

RT: 9.23 min Scan# 623

Delta R.T. -0.14 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

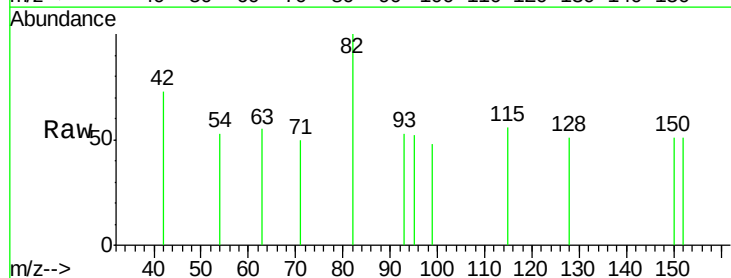
Tgt Ion: 82 Resp: 116

Ion Ratio Lower Upper

82 100

128 51.0 45.0 67.4

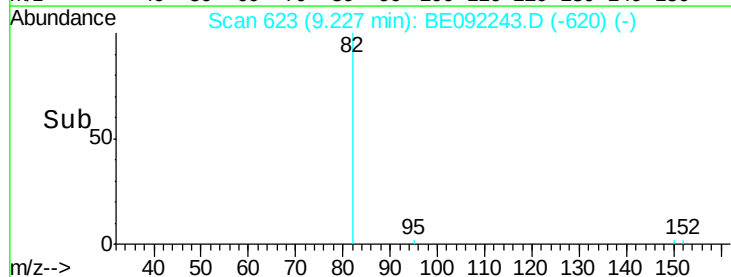
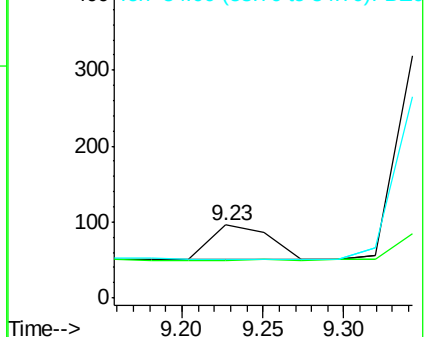
54 53.1 45.4 68.2

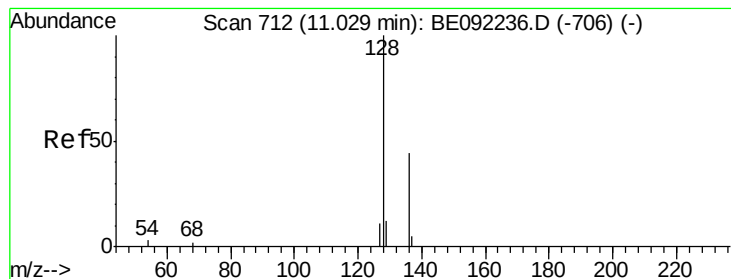


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.37 ng

RT: 11.03 min Scan# 712

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

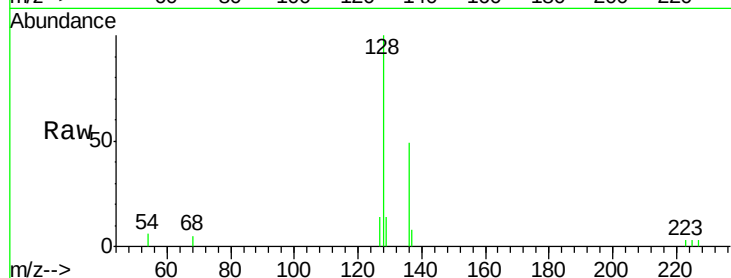
Tgt Ion:128 Resp: 3978

Ion Ratio Lower Upper

128 100

129 14.0 11.5 17.3

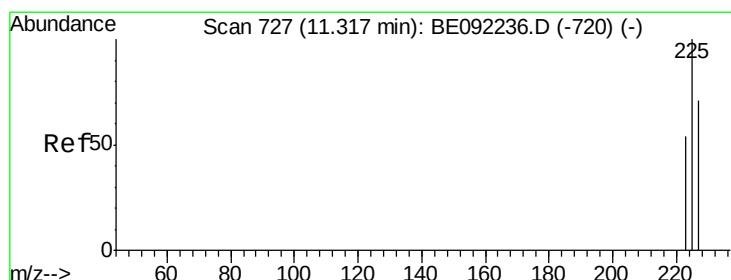
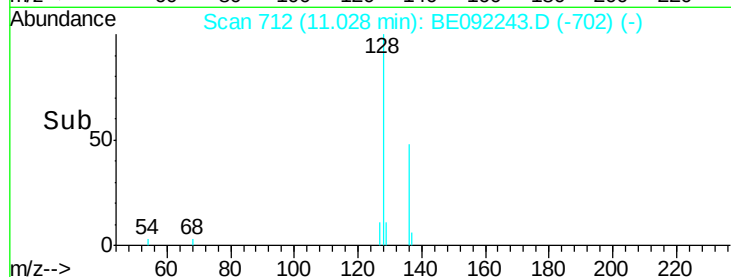
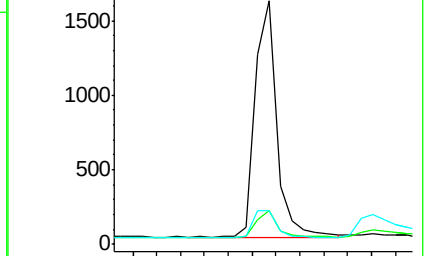
127 13.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.38 ng

RT: 11.32 min Scan# 727

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

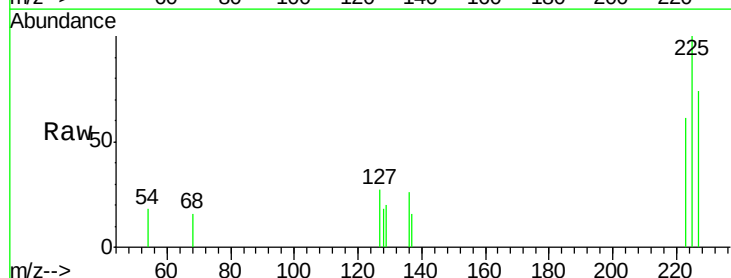
Tgt Ion:225 Resp: 586

Ion Ratio Lower Upper

225 100

223 62.8 52.2 78.4

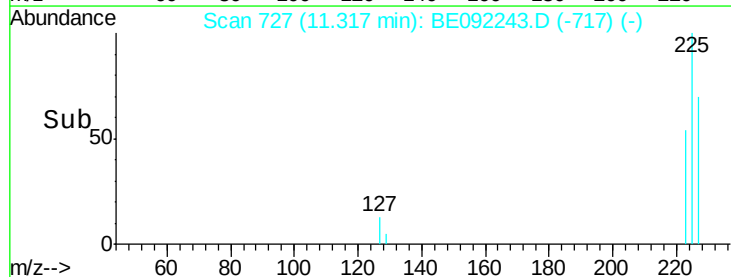
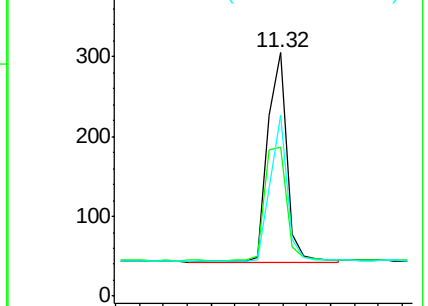
227 61.4 51.0 76.6

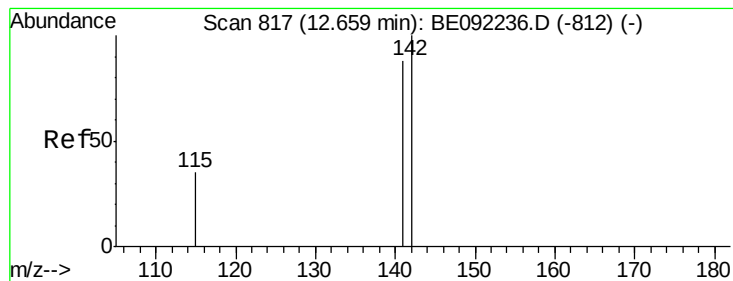


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.37 ng

RT: 12.66 min Scan# 817

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

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ICVBE080916

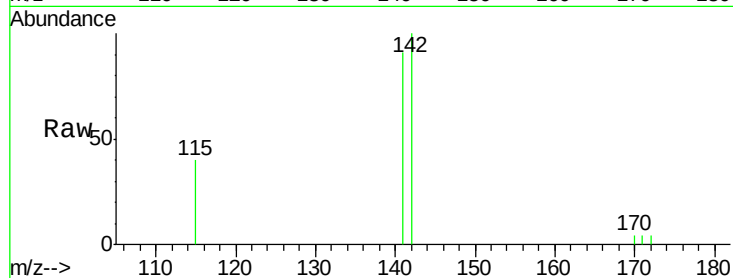
Tgt Ion:142 Resp: 2468

Ion Ratio Lower Upper

142 100

141 91.0 70.6 105.8

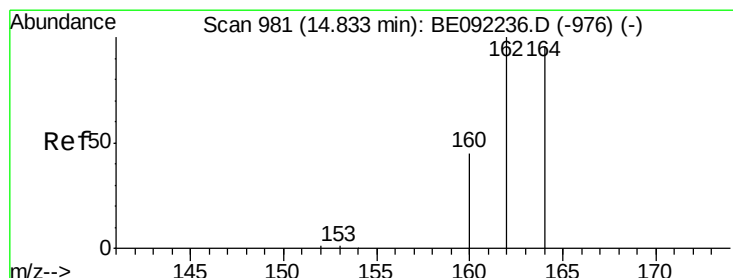
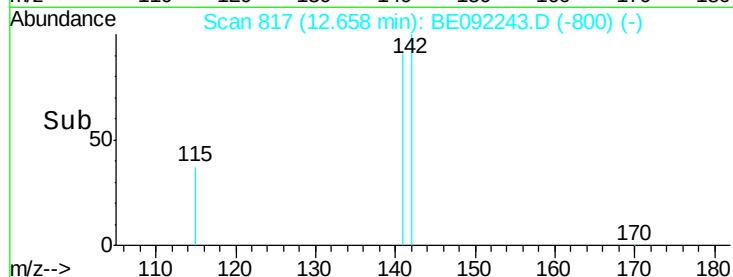
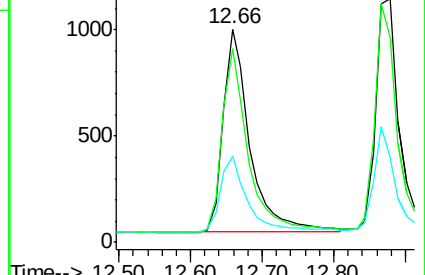
115 40.3 31.0 46.4



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: BE092243.D

Acq: 10 Aug 2016 00:16

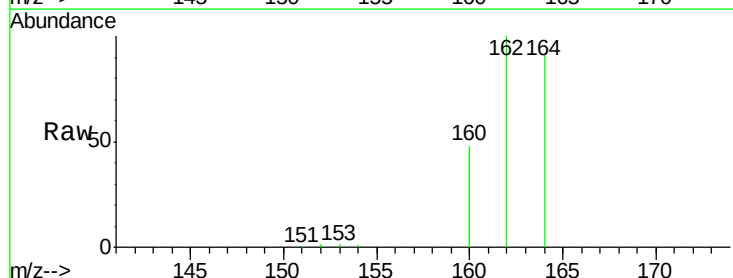
Tgt Ion:164 Resp: 27756

Ion Ratio Lower Upper

164 100

162 109.6 83.3 124.9

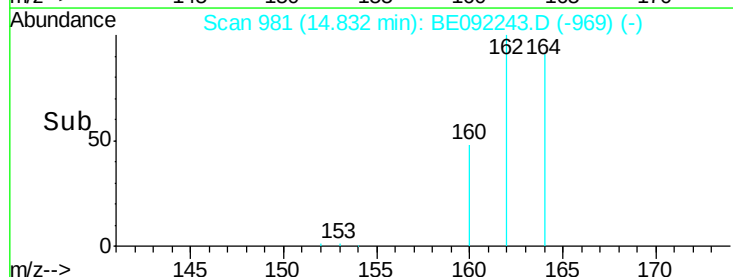
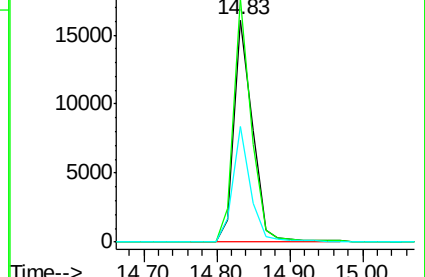
160 52.3 38.0 57.0

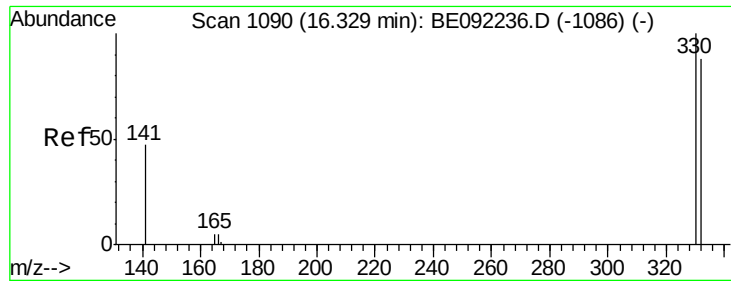


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

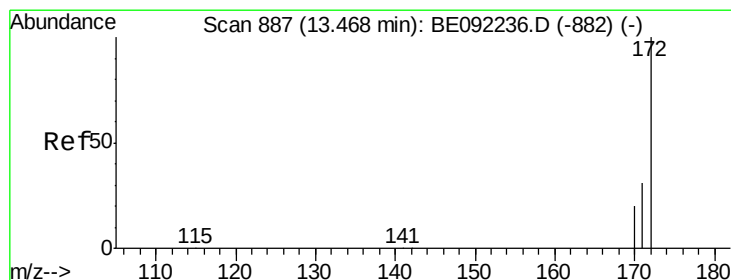
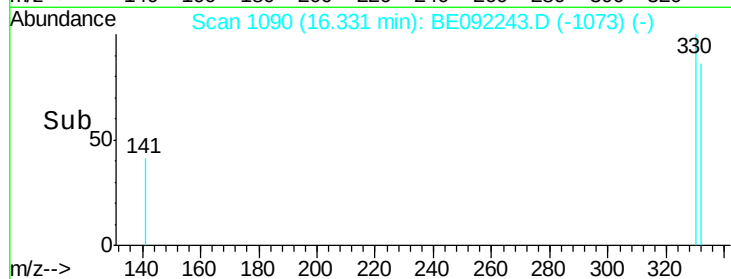
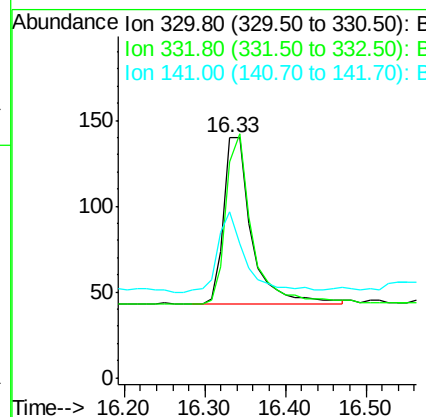
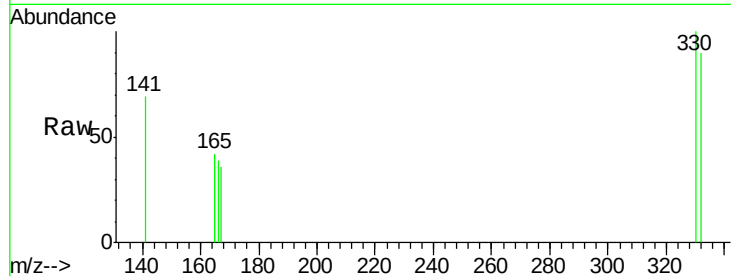




#13
 2,4,6-Tribromophenol
 Concen: 0.28 ng
 RT: 16.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BE092243.D
 Acq: 10 Aug 2016 00:16

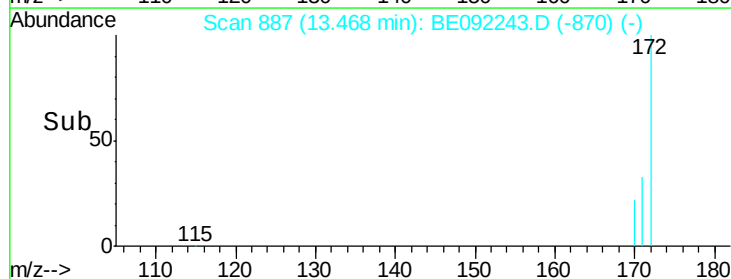
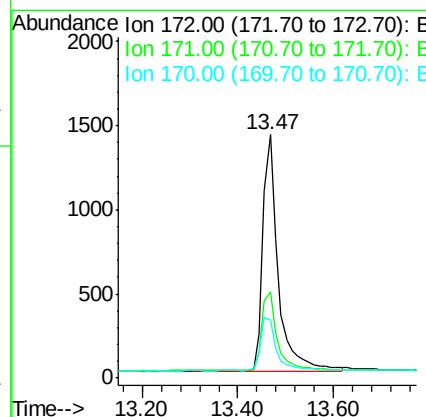
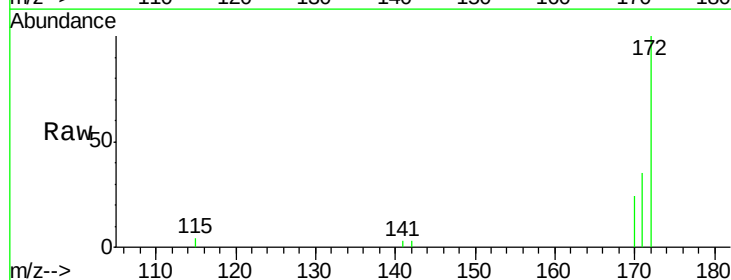
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE080916

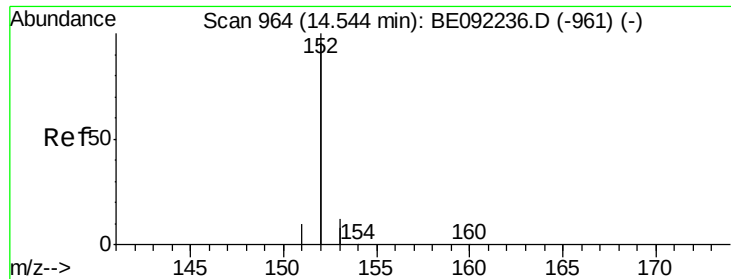
Tgt Ion: 330 Resp: 235
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.4 113.0
 141 46.8 37.7 56.5



#14
 2-Fluorobiphenyl
 Concen: 0.36 ng
 RT: 13.47 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: BE092243.D
 Acq: 10 Aug 2016 00:16

Tgt Ion: 172 Resp: 3093
 Ion Ratio Lower Upper
 172 100
 171 35.2 26.8 40.2
 170 24.0 17.8 26.6

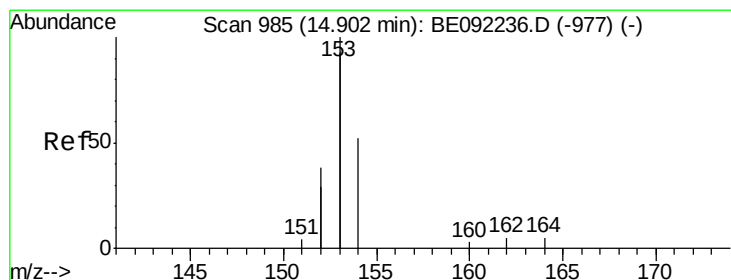
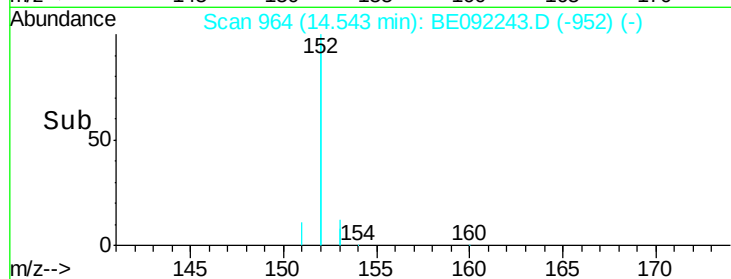
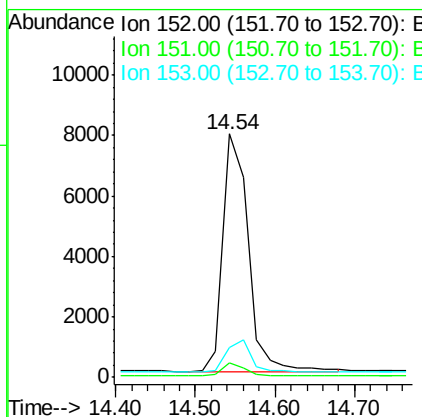
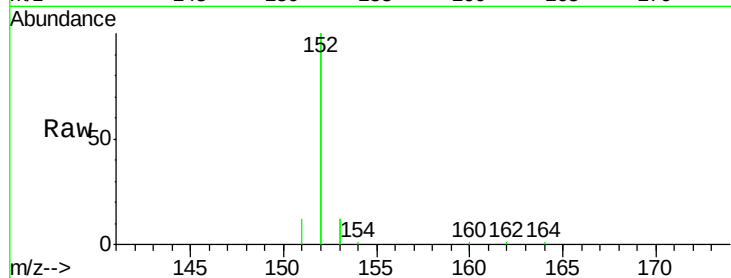




#15
Acenaphthylene
Concen: 0.36 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092243.D
Acq: 10 Aug 2016 00:16

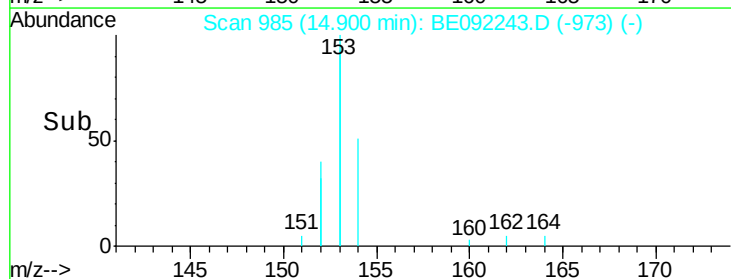
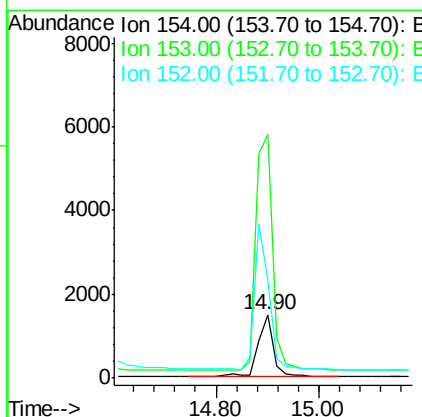
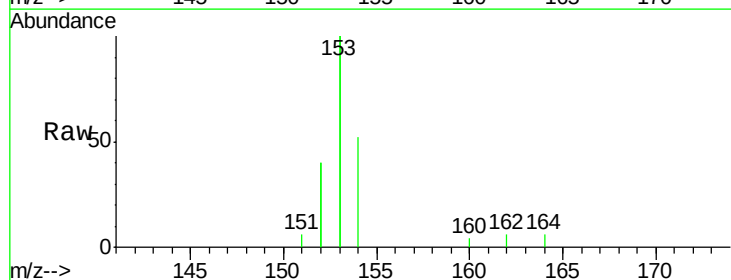
Instrument :
BNA_E
ClientSampleId :
ICVBE080916

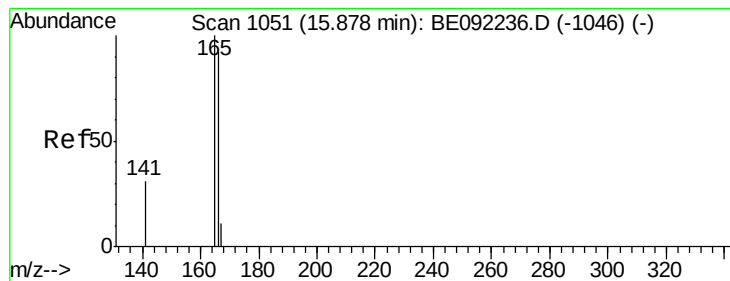
Tgt Ion:152 Resp: 17257
Ion Ratio Lower Upper
152 100
151 4.9 3.8 5.8
153 13.1 10.2 15.2



#16
Acenaphthene
Concen: 0.37 ng
RT: 14.90 min Scan# 985
Delta R.T. -0.00 min
Lab File: BE092243.D
Acq: 10 Aug 2016 00:16

Tgt Ion:154 Resp: 2855
Ion Ratio Lower Upper
154 100
153 436.8 355.0 532.4
152 226.0 179.7 269.5





#17

Fluorene

Concen: 0.36 ng

RT: 15.88 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

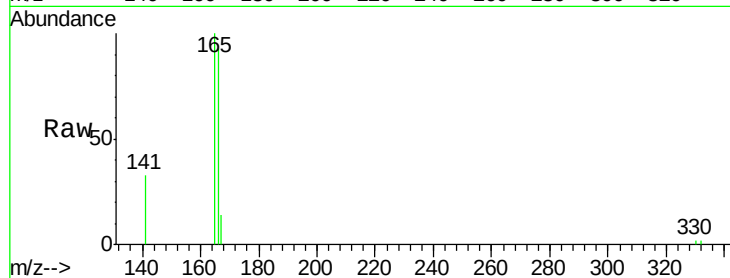
Tgt Ion:166 Resp: 3382

Ion Ratio Lower Upper

166 100

165 99.1 80.1 120.1

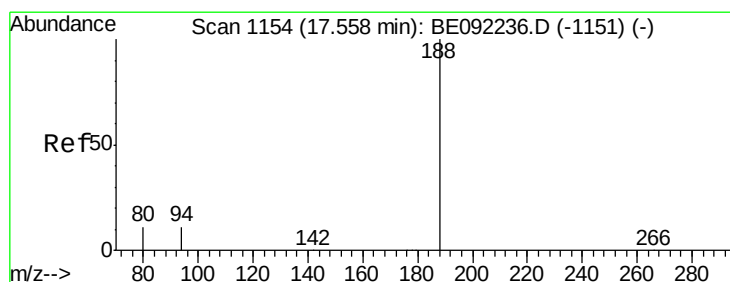
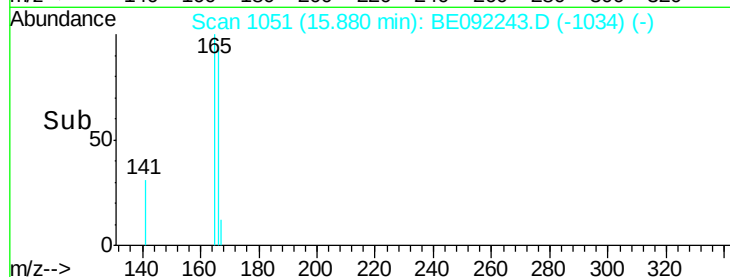
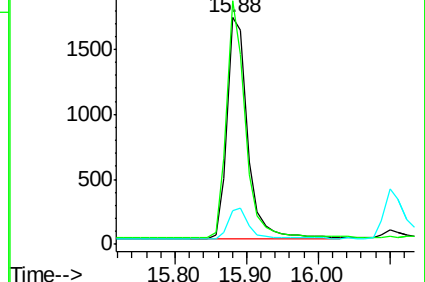
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

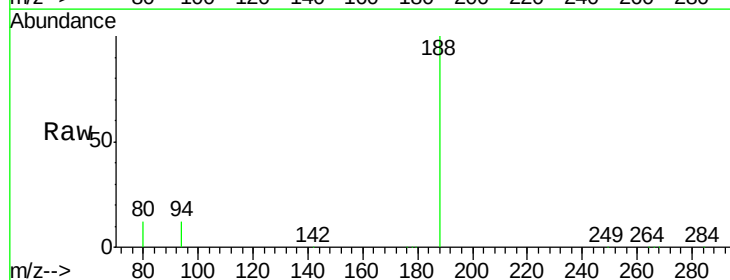
Tgt Ion:188 Resp: 67397

Ion Ratio Lower Upper

188 100

94 11.7 9.2 13.8

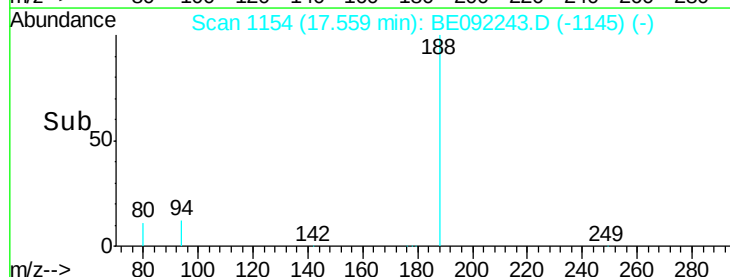
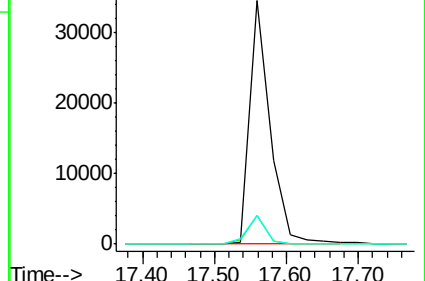
80 11.6 9.1 13.7

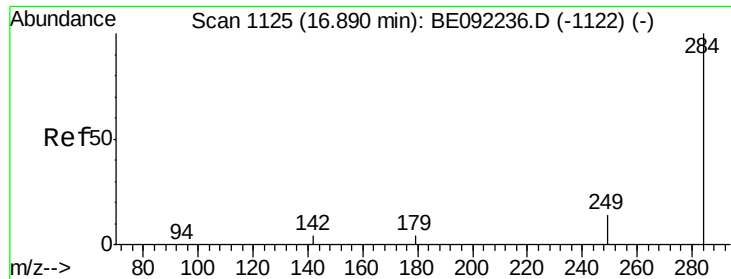


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

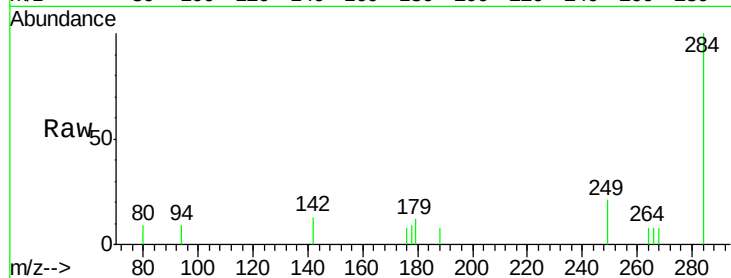




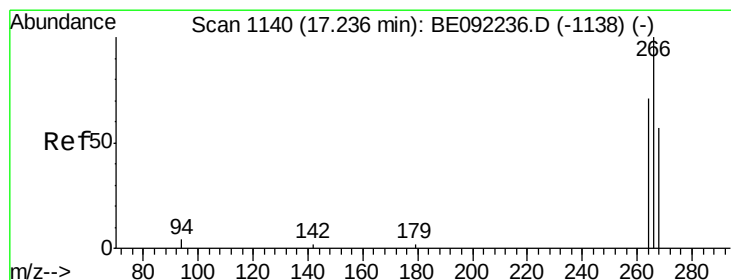
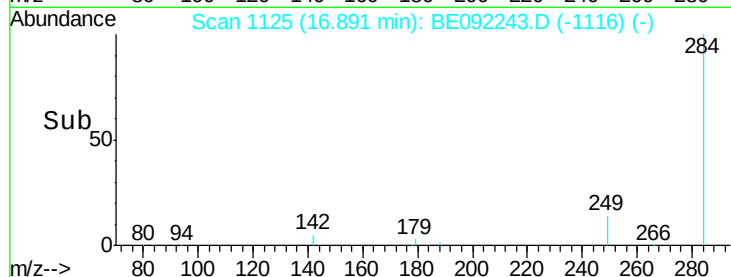
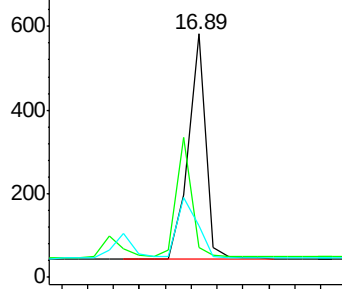
#19
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.89 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BE092243.D
Acq: 10 Aug 2016 00:16

Instrument :
BNA_E
ClientSampleId :
ICVBE080916

Tgt Ion: 284 Resp: 1016
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

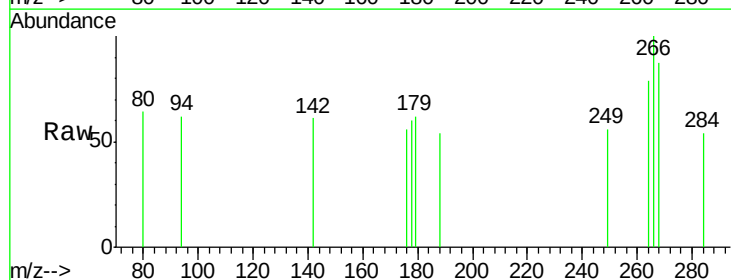


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

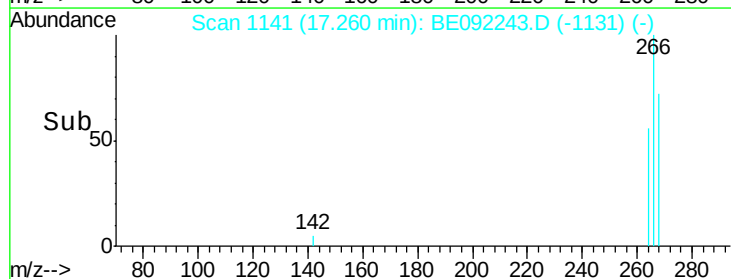
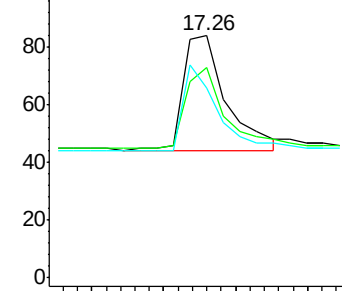


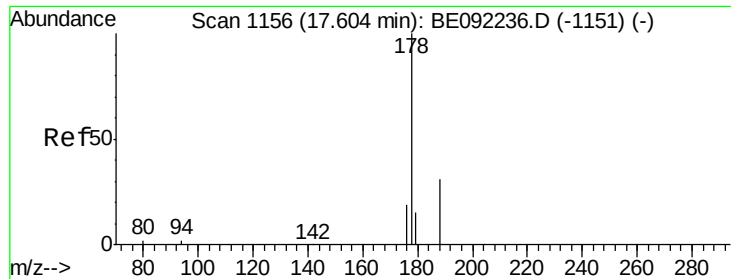
#20
Pentachlorophenol
Concen: 0.24 ng
RT: 17.26 min Scan# 1141
Delta R.T. 0.02 min
Lab File: BE092243.D
Acq: 10 Aug 2016 00:16

Tgt Ion: 266 Resp: 169
Ion Ratio Lower Upper
266 100
268 86.9 62.3 93.5
264 78.6 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: 0.36 ng

RT: 17.61 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

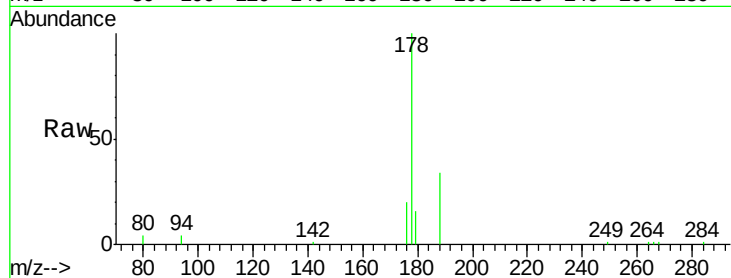
Tgt Ion:178 Resp: 6301

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

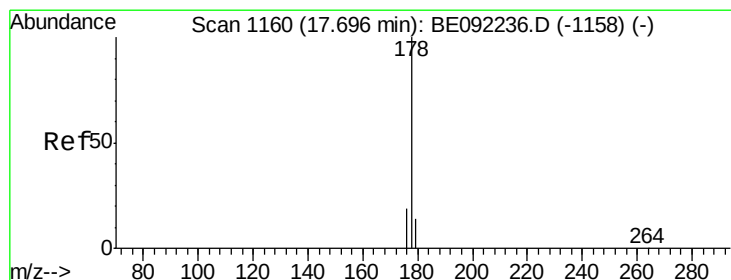
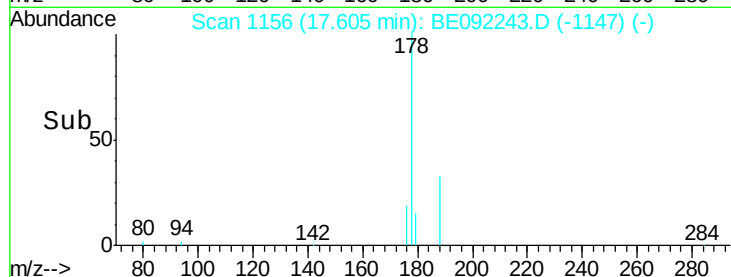
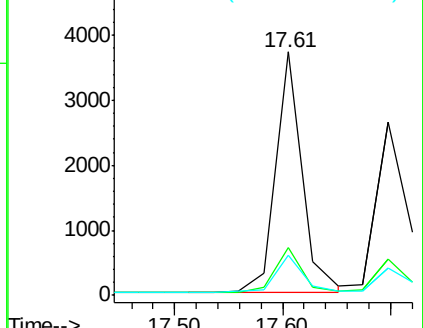
179 16.1 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#22

Anthracene

Concen: 0.34 ng

RT: 17.70 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

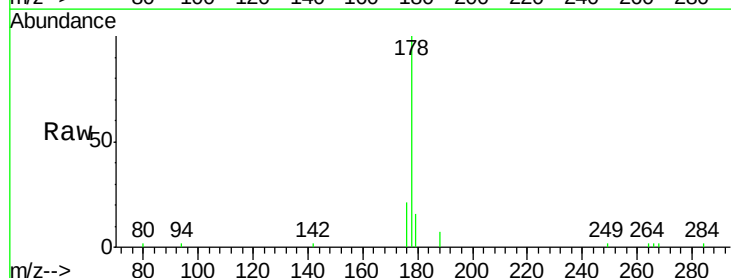
Tgt Ion:178 Resp: 5323

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

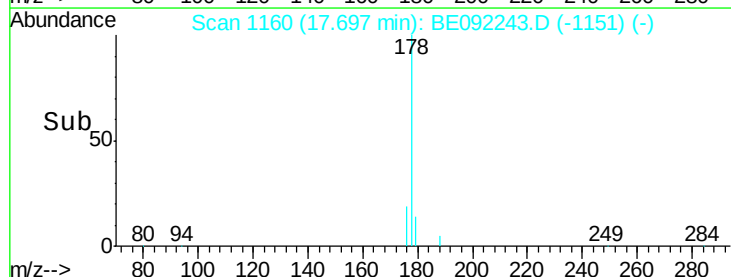
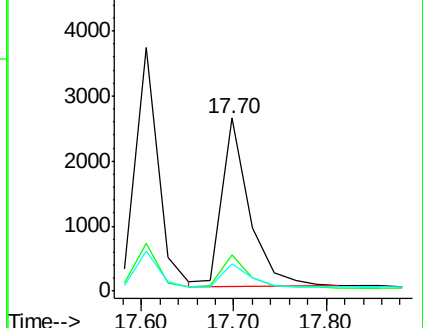
179 14.8 12.0 18.0

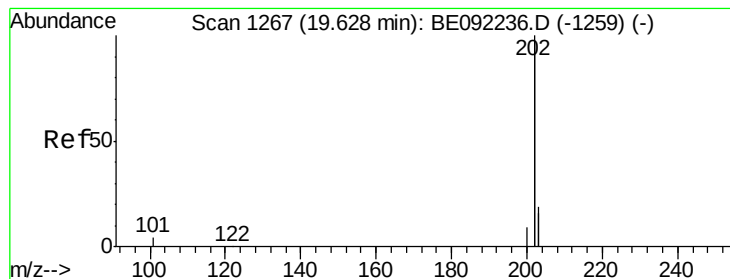


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.35 ng

RT: 19.63 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

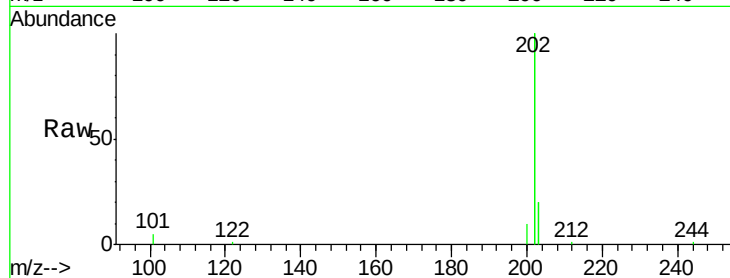
Tgt Ion:202 Resp: 24122

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

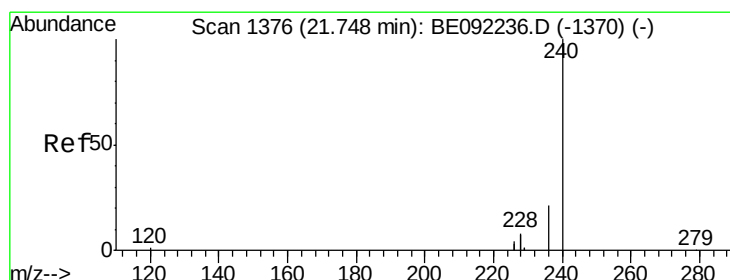
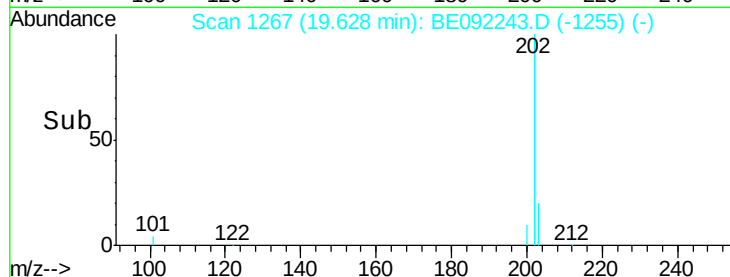
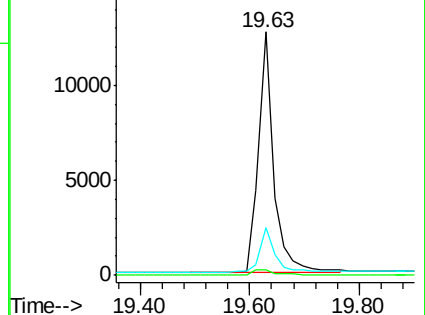
203 17.8 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

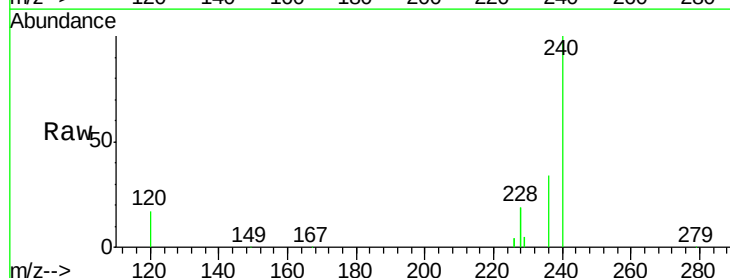
Tgt Ion:240 Resp: 62439

Ion Ratio Lower Upper

240 100

120 16.9 1.2 1.8#

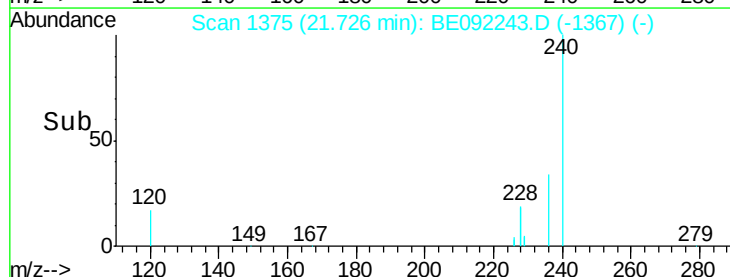
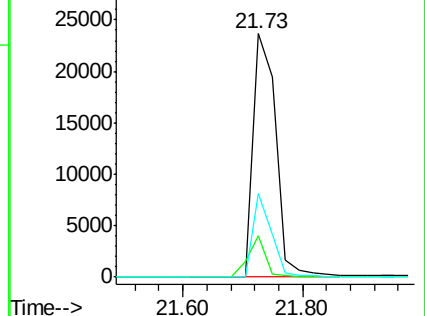
236 34.5 17.1 25.7#

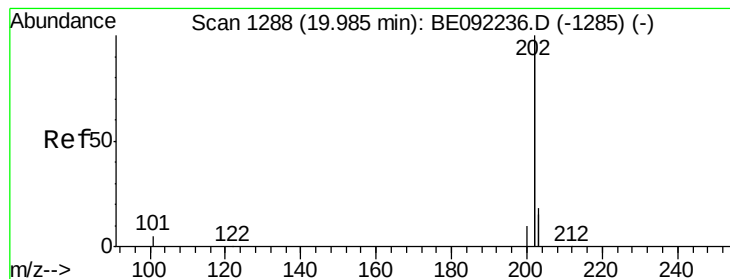


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pyrene

Concen: 0.35 ng

RT: 19.99 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

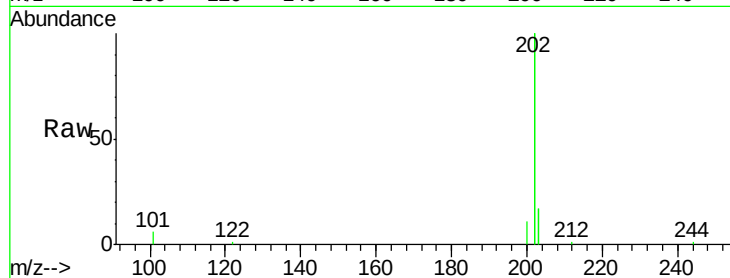
Tgt Ion:202 Resp: 25567

Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

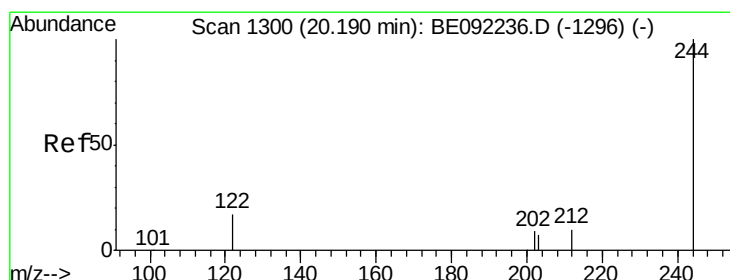
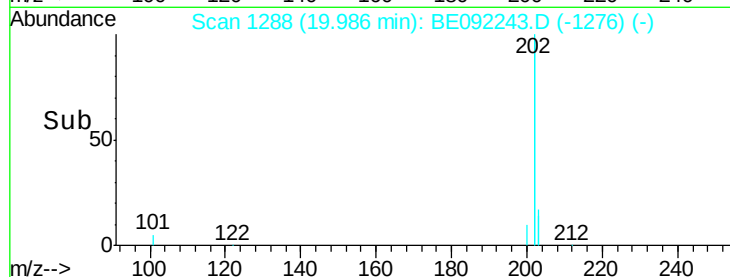
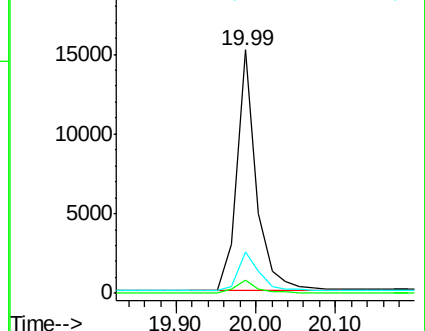
203 17.3 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Terphenyl-d14

Concen: 0.34 ng

RT: 20.19 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

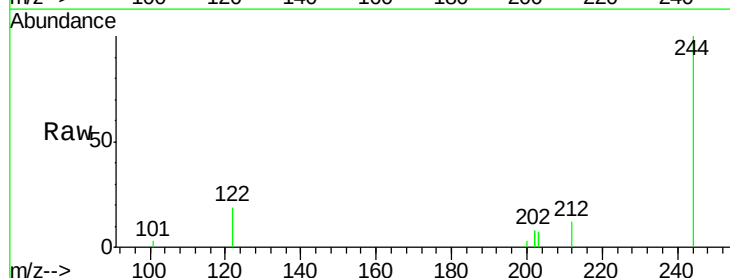
Tgt Ion:244 Resp: 3618

Ion Ratio Lower Upper

244 100

212 12.1 10.2 15.2

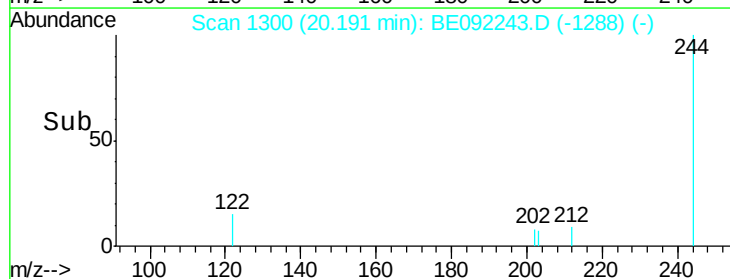
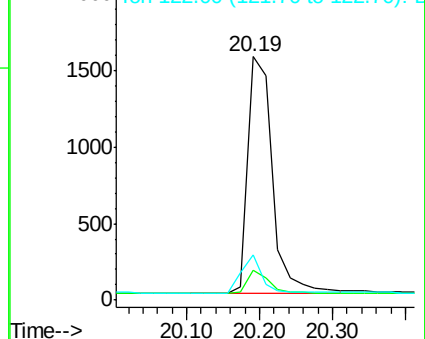
122 18.8 15.9 23.9

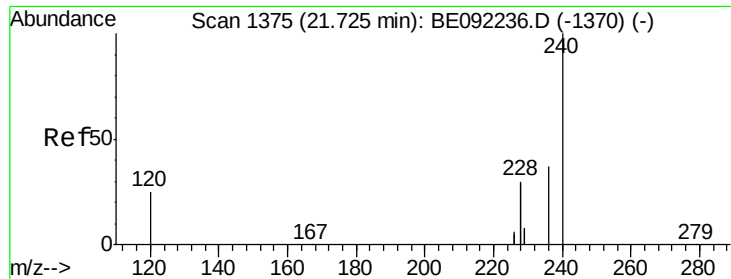


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

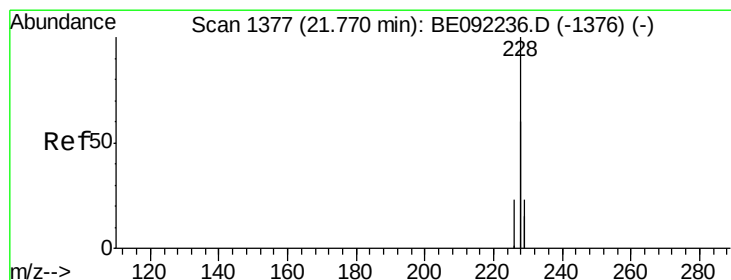
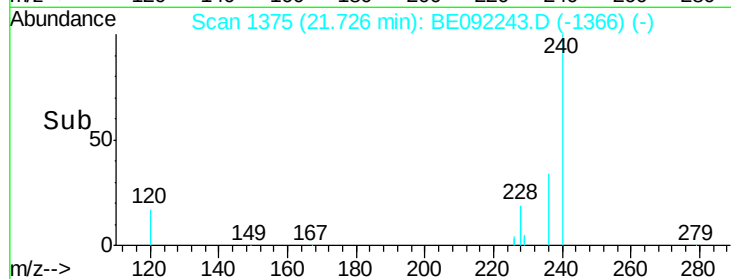
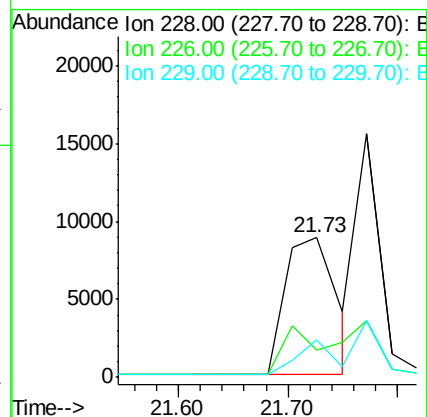
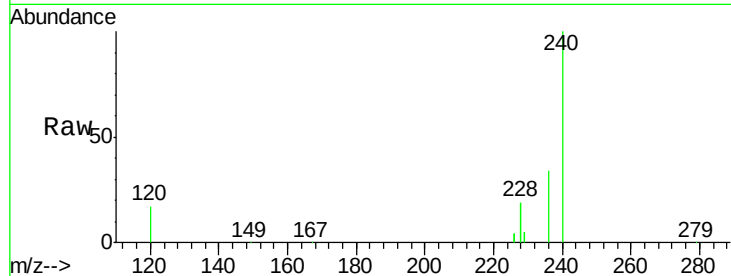




#27
Benzo(a)anthracene
Concen: 0.38 ng
RT: 21.73 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092243.D
Acq: 10 Aug 2016 00:16

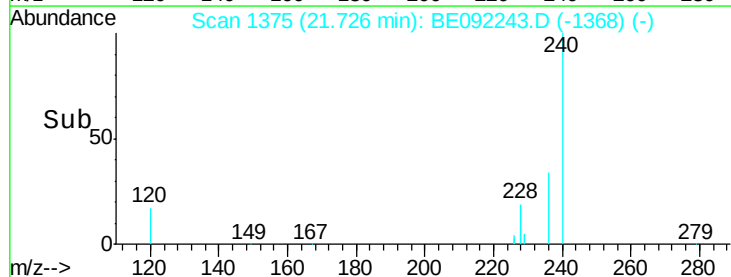
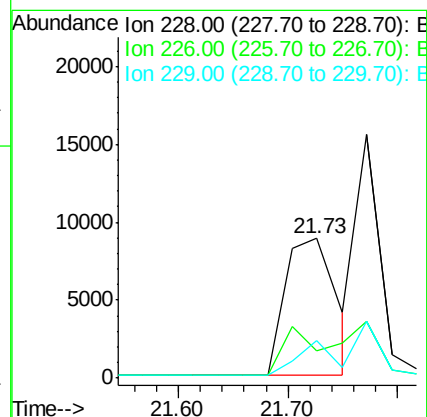
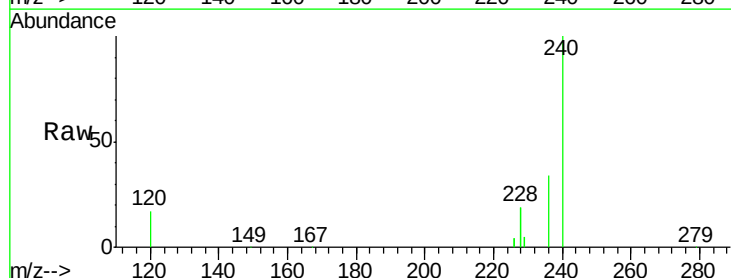
Instrument :
BNA_E
ClientSampleId :
ICVBE080916

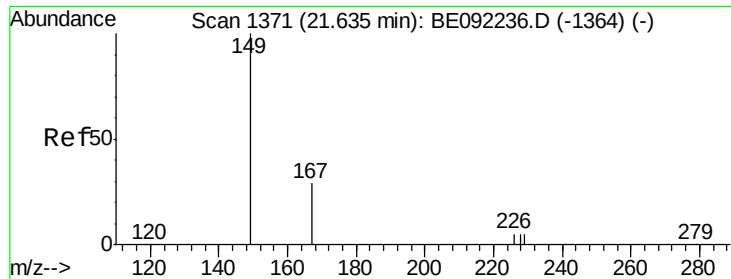
Tgt Ion:228 Resp: 28458
Ion Ratio Lower Upper
228 100
226 19.4 15.9 23.9
229 27.2 22.4 33.6



#28
Chrysene
Concen: 0.41 ng
RT: 21.73 min Scan# 1375
Delta R.T. -0.04 min
Lab File: BE092243.D
Acq: 10 Aug 2016 00:16

Tgt Ion:228 Resp: 28458
Ion Ratio Lower Upper
228 100
226 19.4 18.3 27.5
229 27.2 18.6 27.8





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.64 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

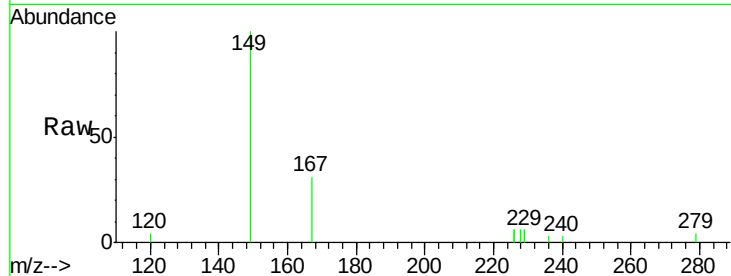
Tgt Ion:149 Resp: 2394

Ion Ratio Lower Upper

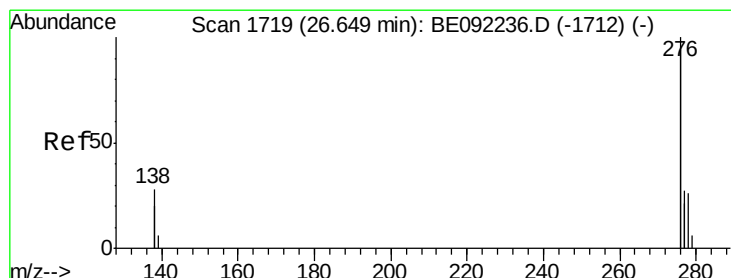
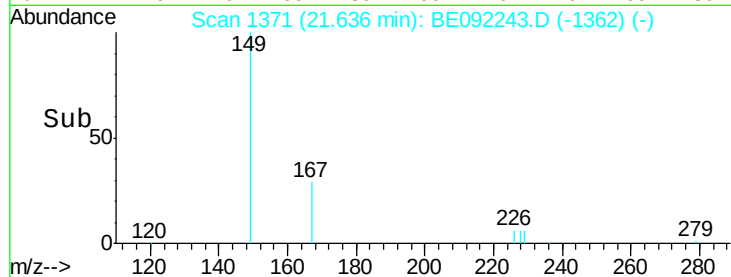
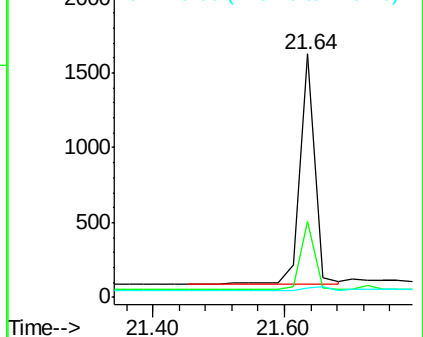
149 100

167 27.5 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: 0.32 ng

RT: 26.63 min Scan# 1718

Delta R.T. -0.02 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

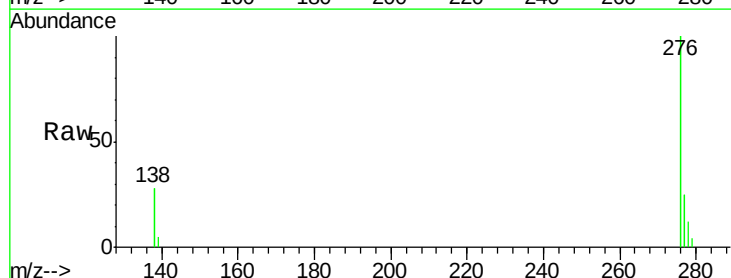
Tgt Ion:276 Resp: 24165

Ion Ratio Lower Upper

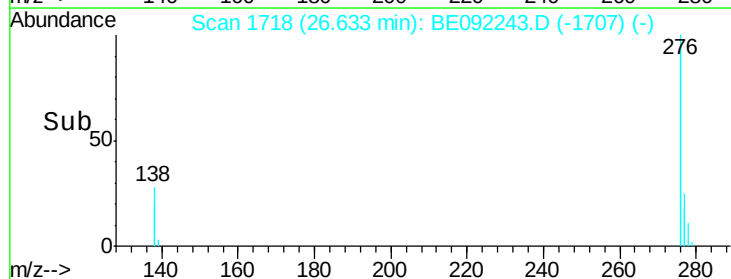
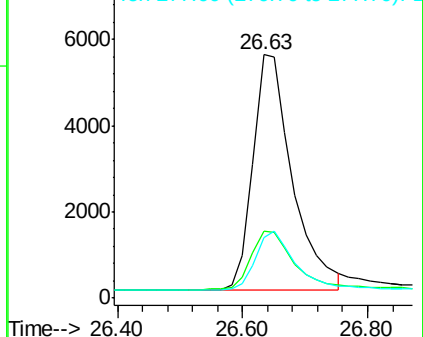
276 100

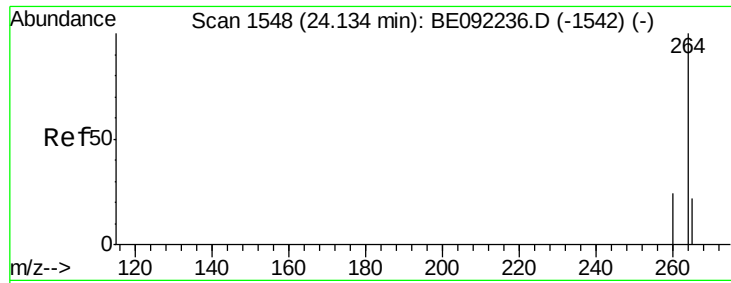
138 26.4 21.3 31.9

277 24.5 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

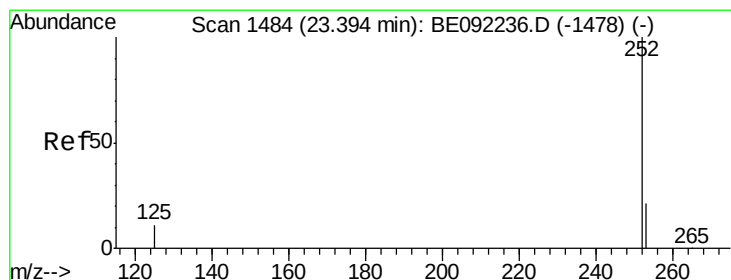
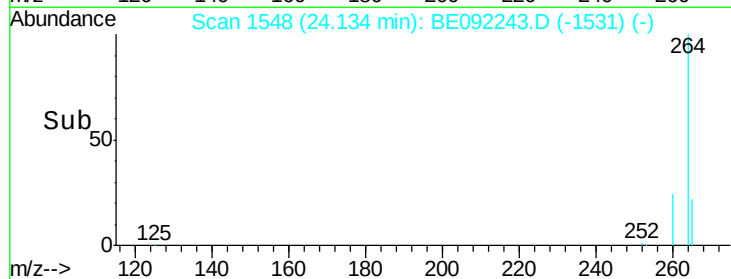
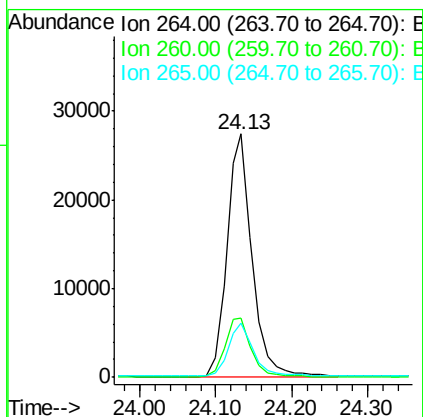
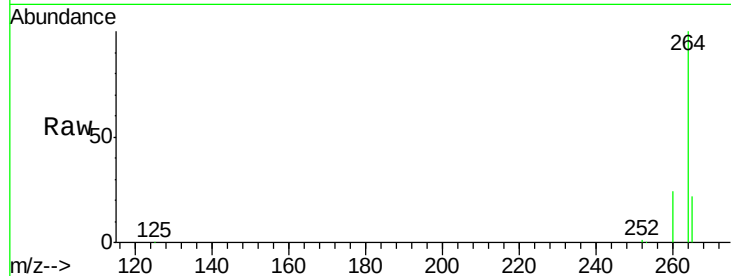




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.13 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BE092243.D
 Acq: 10 Aug 2016 00:16

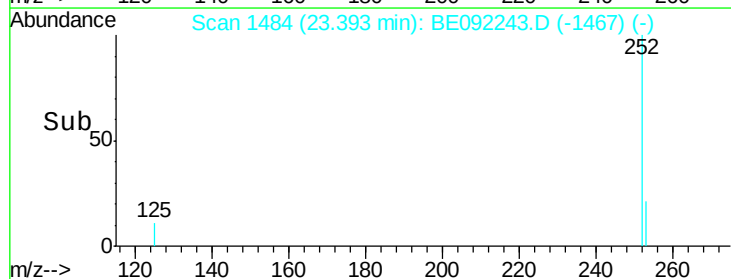
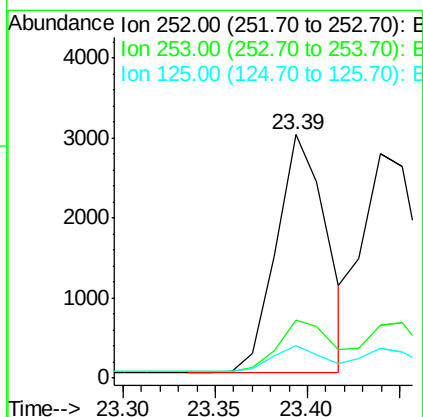
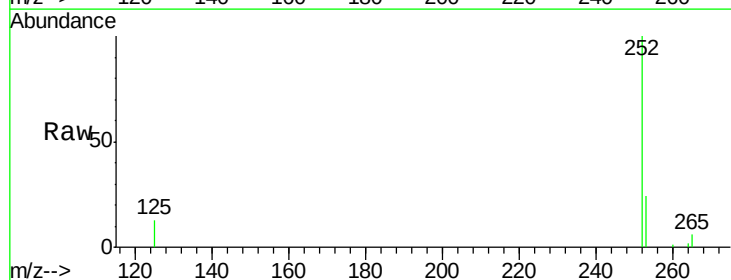
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE080916

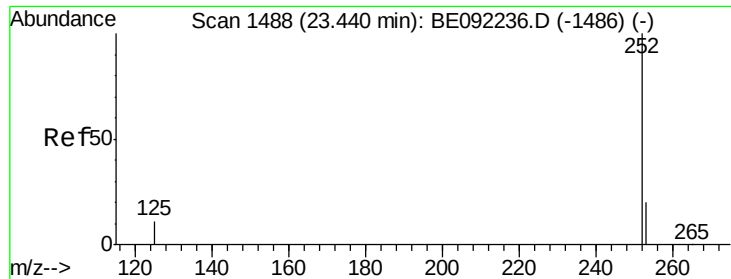
Tgt Ion:264 Resp: 63775
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.5 18.2 27.4



#32
Benzo(b)fluoranthene
 Concen: 0.34 ng
 RT: 23.39 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BE092243.D
 Acq: 10 Aug 2016 00:16

Tgt Ion:252 Resp: 5670
 Ion Ratio Lower Upper
 252 100
 253 23.7 19.0 28.4
 125 13.1 10.3 15.5





#33

Benzo(k)fluoranthene

Concen: 0.37 ng

RT: 23.44 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

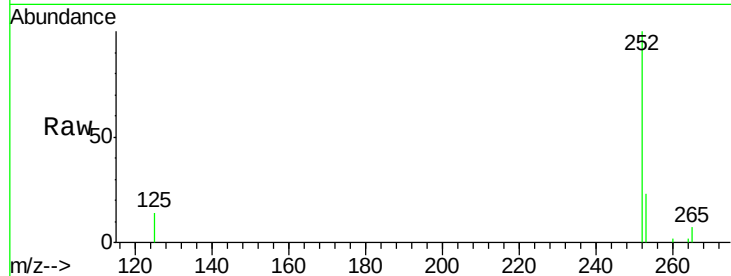
Tgt Ion:252 Resp: 6343

Ion Ratio Lower Upper

252 100

253 23.3 19.0 28.6

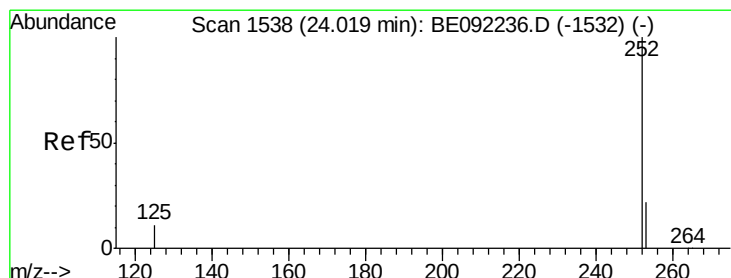
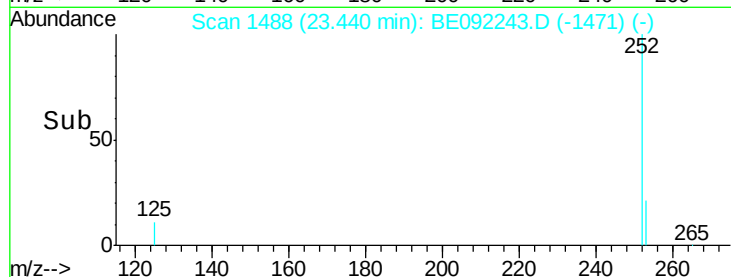
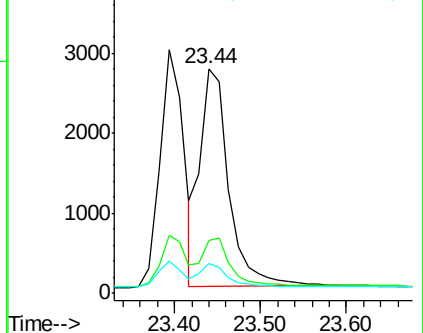
125 13.5 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 0.34 ng

RT: 24.02 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

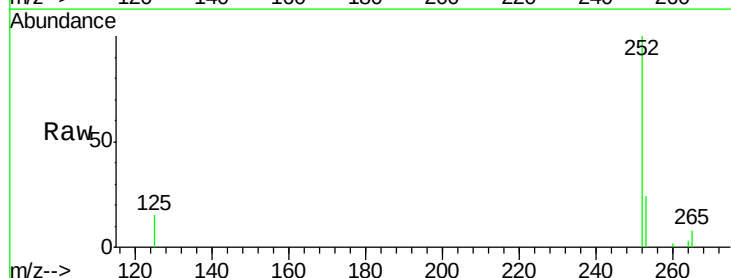
Tgt Ion:252 Resp: 5371

Ion Ratio Lower Upper

252 100

253 24.3 20.3 30.5

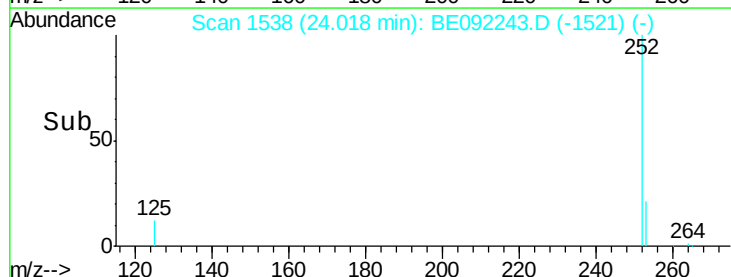
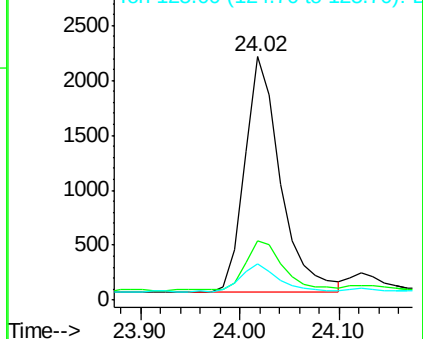
125 15.0 11.8 17.6

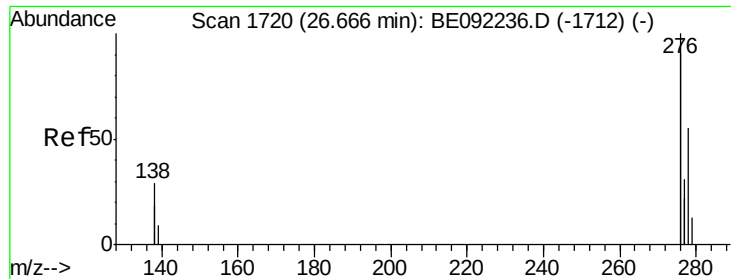


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 0.33 ng

RT: 26.67 min Scan# 1720

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA_E

ClientSampleId :

ICVBE080916

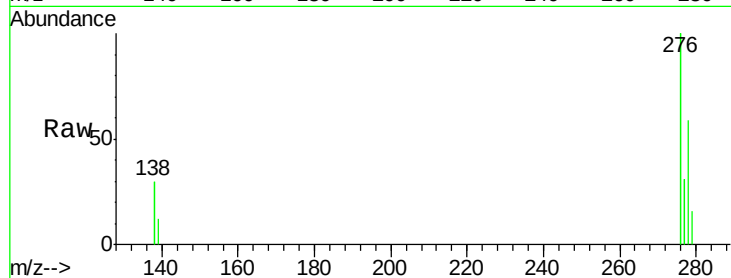
Tgt Ion: 278 Resp: 4866

Ion Ratio Lower Upper

278 100

139 21.1 16.2 24.2

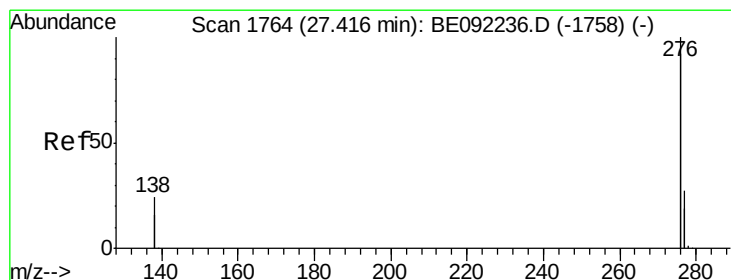
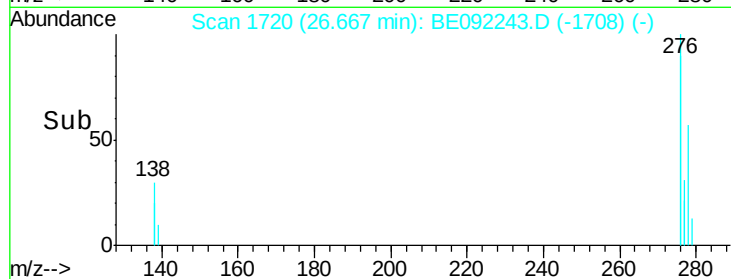
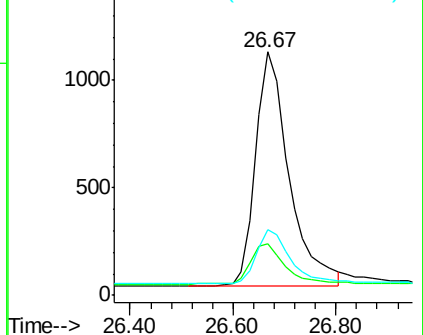
279 26.8 21.4 32.2



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: 0.35 ng

RT: 27.42 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

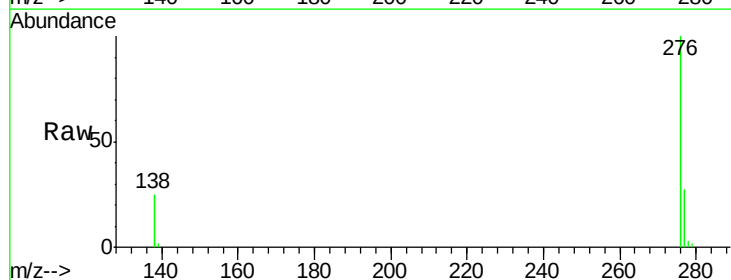
Tgt Ion: 276 Resp: 22045

Ion Ratio Lower Upper

276 100

277 27.3 21.4 32.2

138 24.6 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

