

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
 Data File : BE092248.D
 Acq On : 10 Aug 2016 11:03
 Operator : UM/SJ
 Sample : PB92747BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92747BSD

Quant Time: Aug 10 18:43:51 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	14695	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	61914	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	30554	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	65857	5.00	ng	0.00
24) Chrysene-d12	21.73	240	58464	5.00	ng	-0.02
31) Perylene-d12	24.13	264	67902	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	21021	6.54	ng	0.00
5) Phenol-d6	7.34	99	26785	5.79	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12768	2.92	ng	-0.04
13) 2,4,6-Tribromophenol	16.32	330	5349	4.59	ng	-0.01
14) 2-Fluorobiphenyl	13.46	172	27013	2.86	ng	-0.01
26) Terphenyl-d14	20.19	244	27018	2.73	ng	0.00

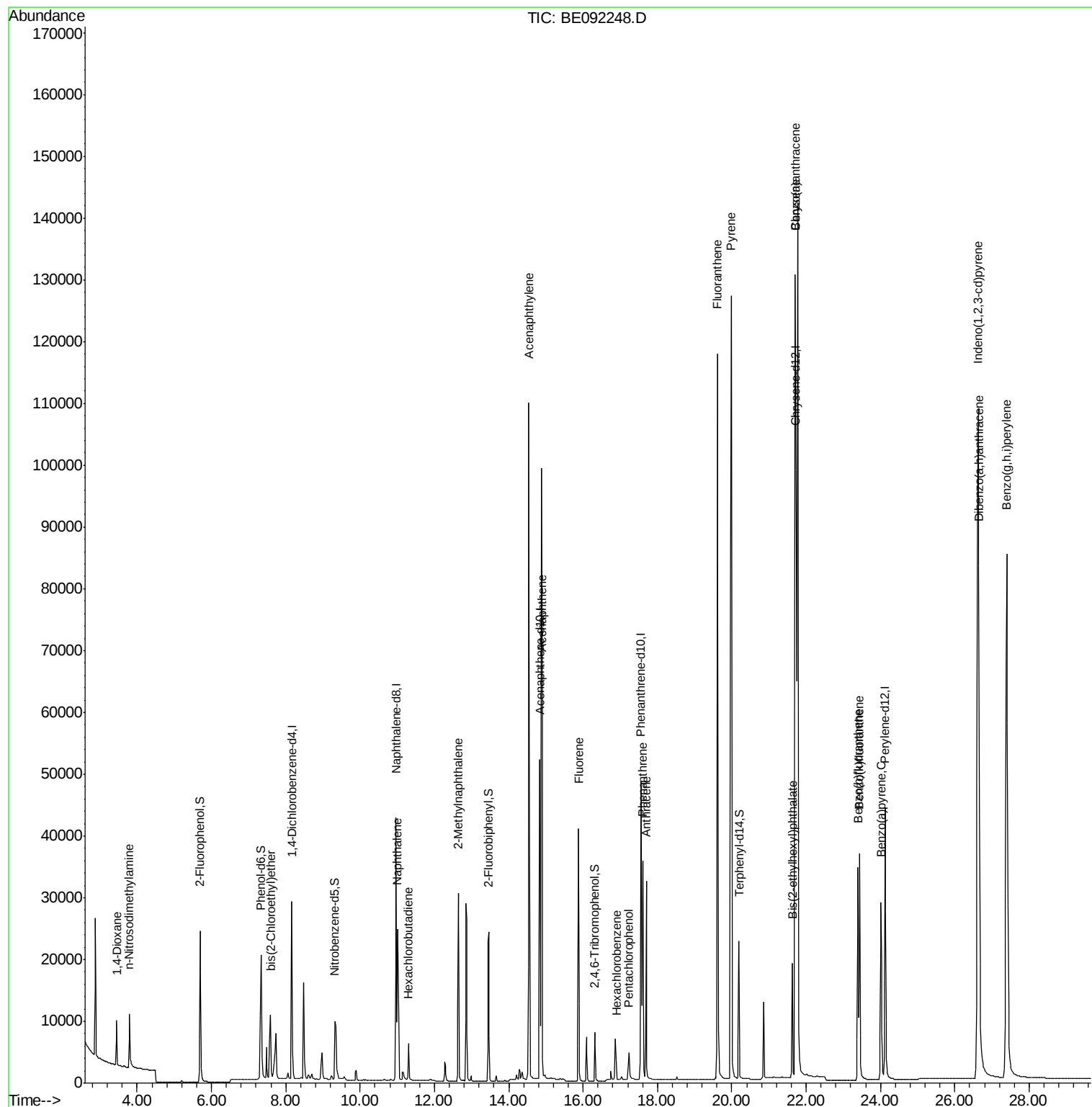
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	4222	2.52	ng	# 86
3) n-Nitrosodimethylamine	3.79	42	7326	2.76	ng	# 98
6) bis(2-Chloroethyl)ether	7.59	93	11010	2.94	ng	# 33
9) Naphthalene	11.01	128	37332	2.69	ng	# 95
10) Hexachlorobutadiene	11.30	225	5619	2.80	ng	98
11) 2-Methylnaphthalene	12.64	142	24871	2.87	ng	92
15) Acenaphthylene	14.54	152	146265	2.77	ng	99
16) Acenaphthene	14.90	154	21874	2.58	ng	95
17) Fluorene	15.88	166	27383	2.67	ng	99
19) Hexachlorobenzene	16.89	284	6831	2.61	ng	# 100
20) Pentachlorophenol	17.24	266	4676	5.79	ng	# 81
21) Phenanthrene	17.60	178	44043	2.59	ng	99
22) Anthracene	17.70	178	41286	2.68	ng	98
23) Fluoranthene	19.61	202	179206	2.65	ng	100
25) Pyrene	19.99	202	186529	2.70	ng	99
27) Benzo(a)anthracene	21.70	228	208109	2.97	ng	# 65
28) Chrysene	21.70	228	208119	3.21	ng	# 72
29) Bis(2-ethylhexyl)phthalate	21.64	149	20184	1.88	ng	# 94
30) Indeno(1,2,3-cd)pyrene	26.63	276	240685	3.45	ng	99
32) Benzo(b)fluoranthene	23.39	252	50583	2.84	ng	96
33) Benzo(k)fluoranthene	23.44	252	49637	2.76	ng	# 95
34) Benzo(a)pyrene	24.02	252	47683	2.84	ng	# 94
35) Dibenzo(a,h)anthracene	26.65	278	50828	3.25	ng	# 93
36) Benzo(g,h,i)perylene	27.40	276	209259	3.11	ng	95

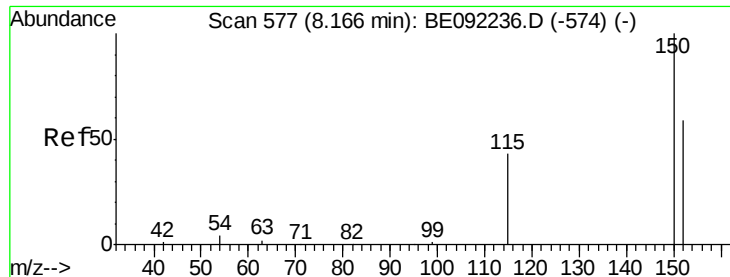
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

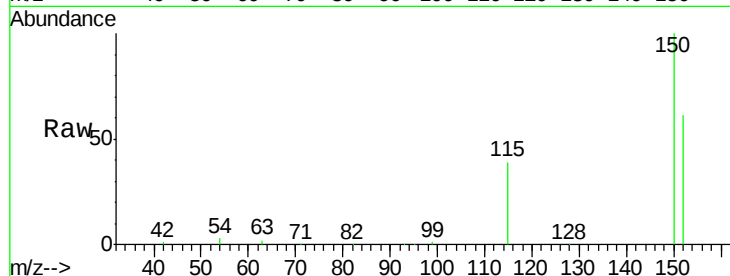
Tgt Ion:152 Resp: 14695

Ion Ratio Lower Upper

152 100

150 162.9 135.6 203.4

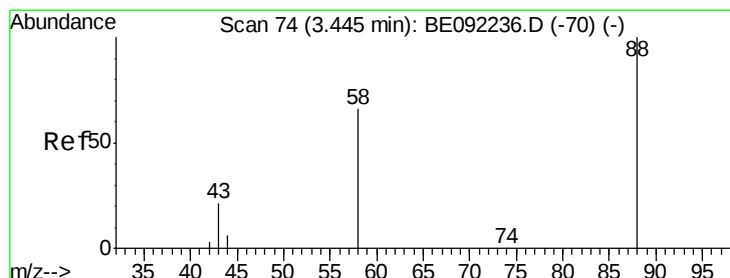
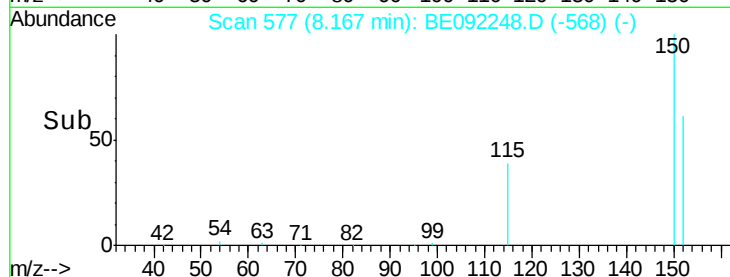
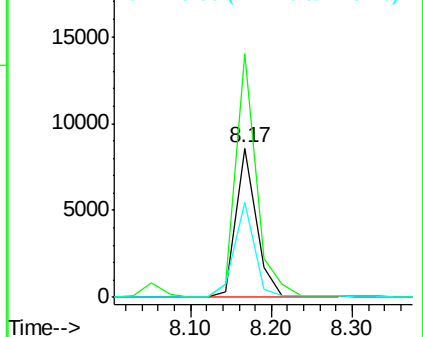
115 64.0 59.4 89.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.52 ng

RT: 3.44 min Scan# 74

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

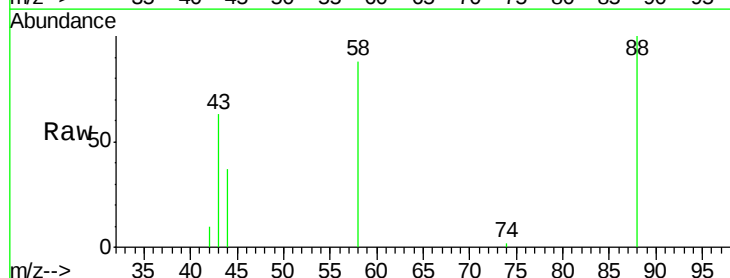
Tgt Ion: 88 Resp: 4222

Ion Ratio Lower Upper

88 100

58 90.8 64.4 96.6

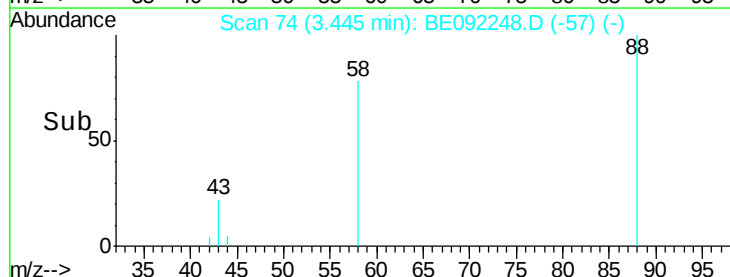
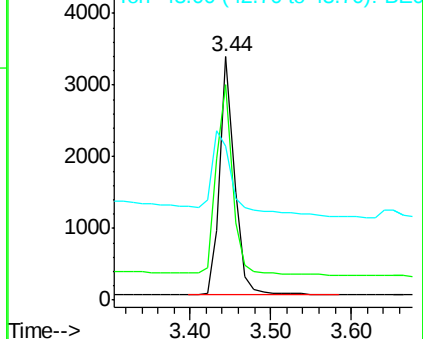
43 52.6 33.4 50.2#

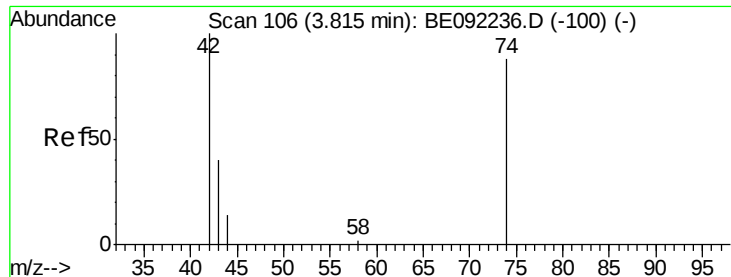


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 2.76 ng

RT: 3.79 min Scan# 104

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

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PB92747BSD

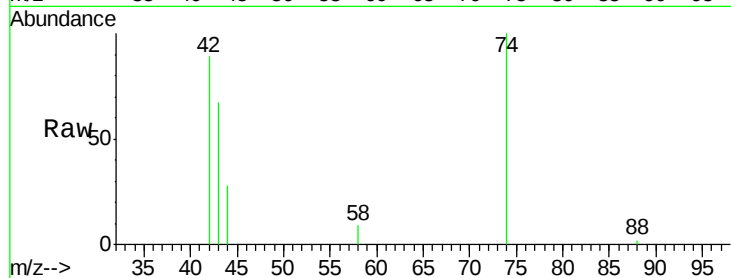
Tgt Ion: 42 Resp: 7326

Ion Ratio Lower Upper

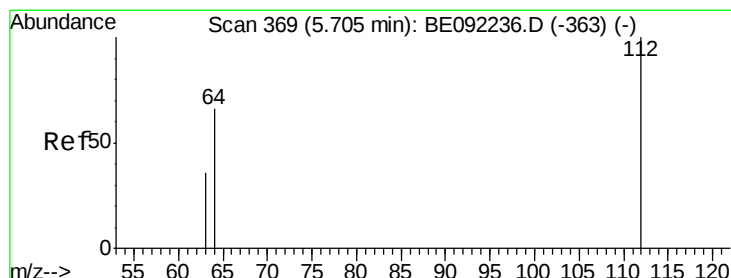
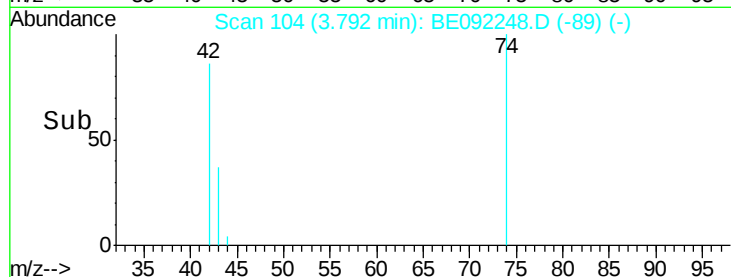
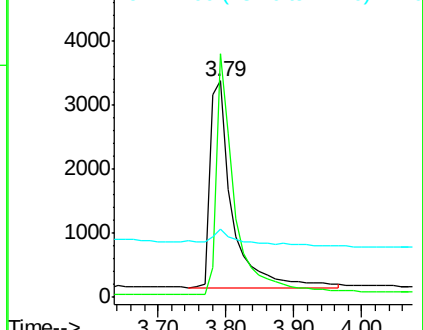
42 100

74 97.4 77.2 115.8

44 9.6 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: 6.54 ng

RT: 5.70 min Scan# 368

Delta R.T. -0.01 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

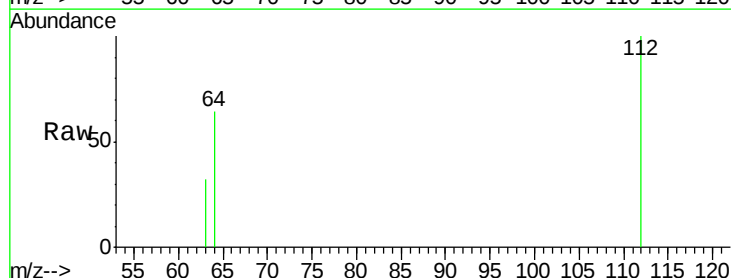
Tgt Ion: 112 Resp: 21021

Ion Ratio Lower Upper

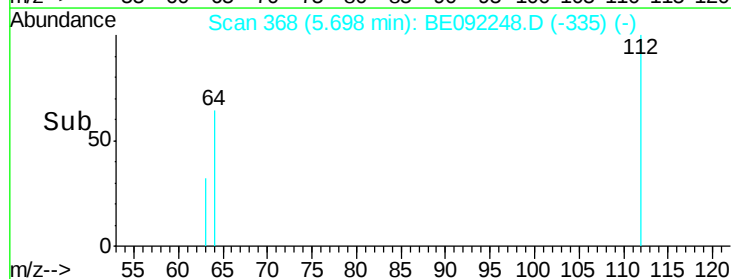
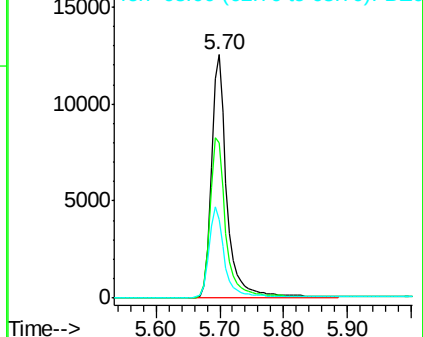
112 100

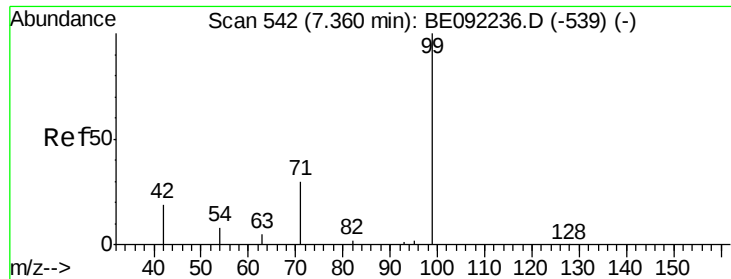
64 67.2 53.2 79.8

63 36.8 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: 5.79 ng

RT: 7.34 min Scan# 541

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

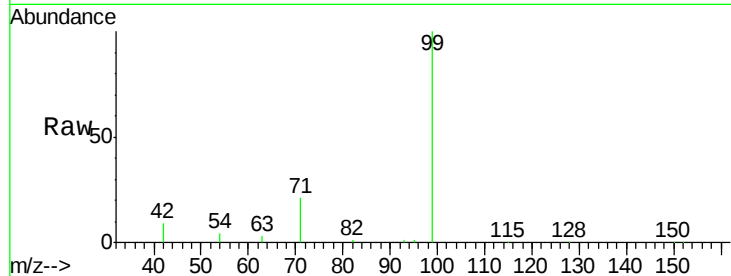
Tgt Ion: 99 Resp: 26785

Ion Ratio Lower Upper

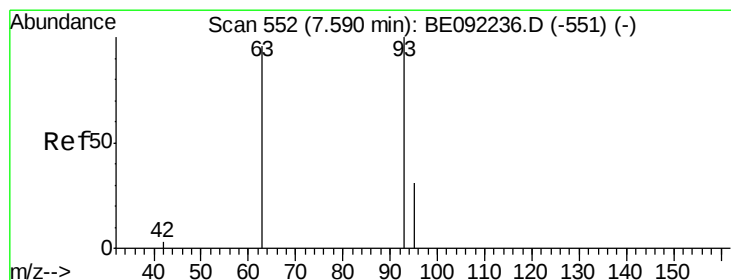
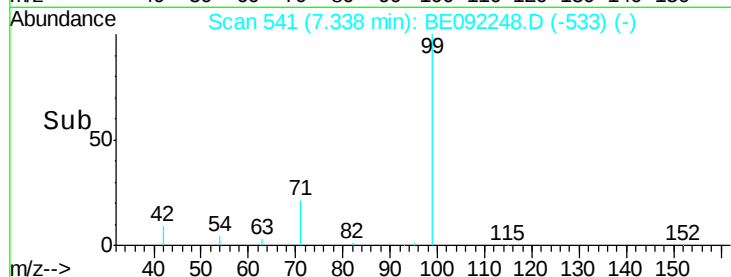
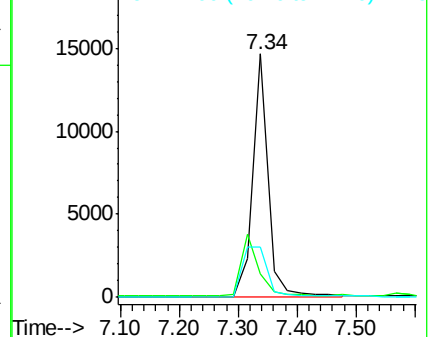
99 100

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: 2.94 ng

RT: 7.59 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

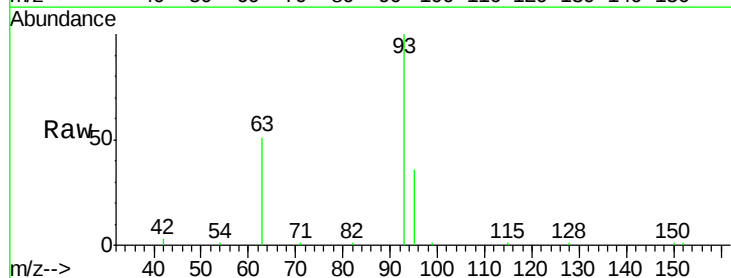
Tgt Ion: 93 Resp: 11010

Ion Ratio Lower Upper

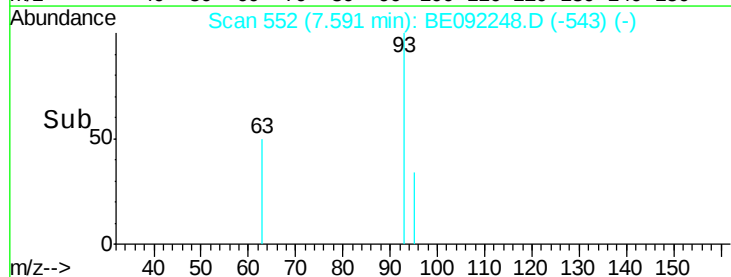
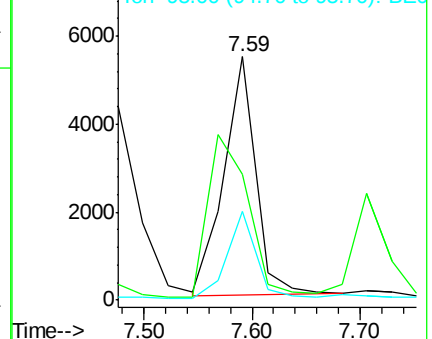
93 100

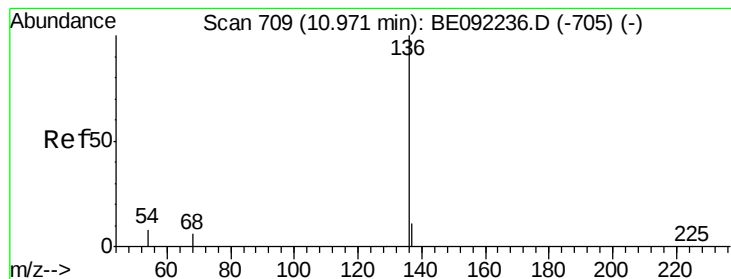
63 0.0 68.5 102.7#

95 33.2 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: BE092248.D

Acq: 10 Aug 2016 11:03

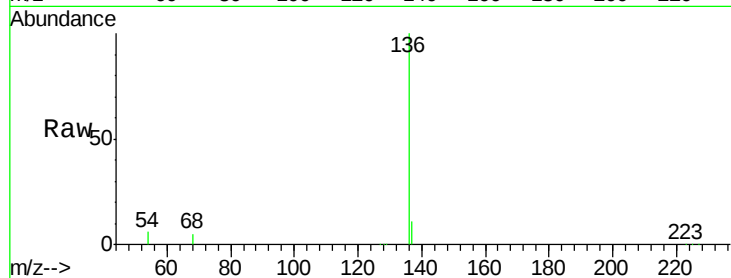
Instrument :

BNA_E

ClientSampleId :

PB92747BSD

Tgt Ion:	136	Resp:	61914
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	6.1	6.2	9.4#
68	4.7	4.6	6.8



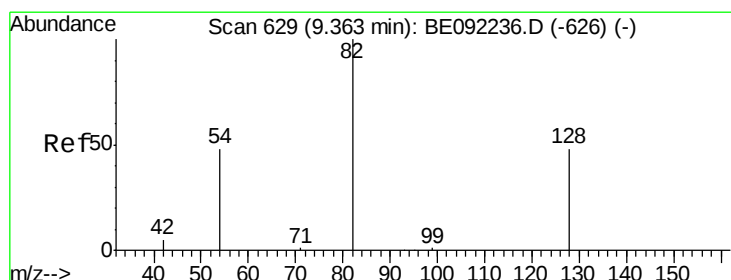
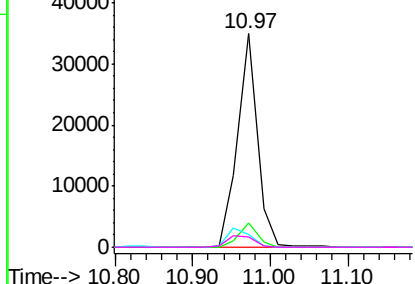
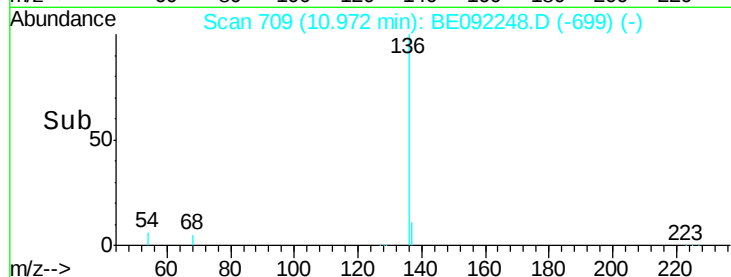
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 2.92 ng

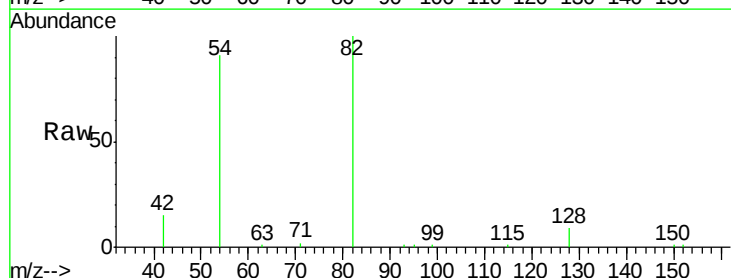
RT: 9.32 min Scan# 627

Delta R.T. -0.04 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Tgt Ion:	82	Resp:	12768
Ion	Ratio	Lower	Upper
82	100		
128	9.2	45.0	67.4#
54	90.9	45.4	68.2#

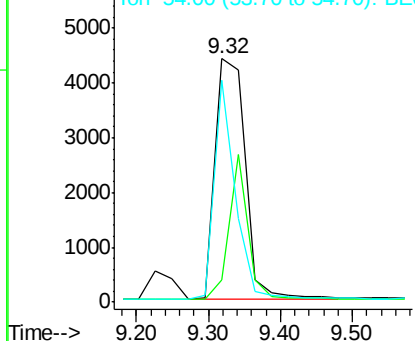
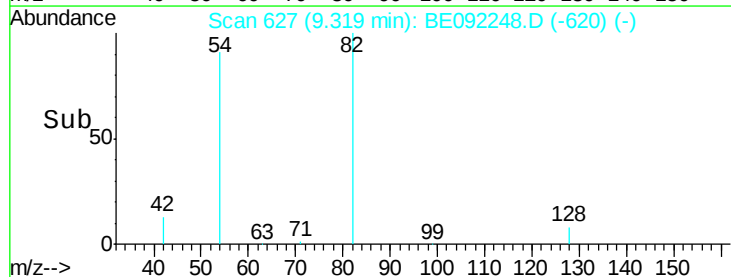


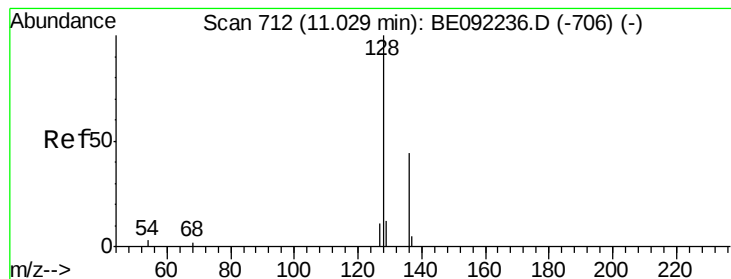
Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 2.69 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

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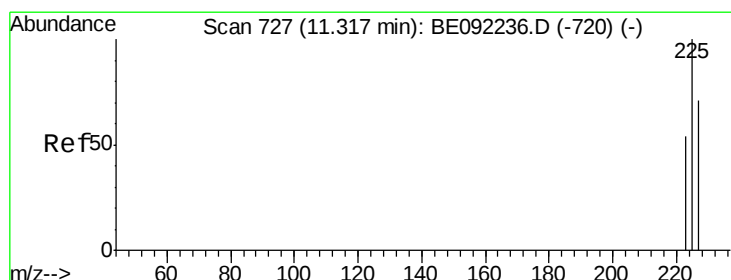
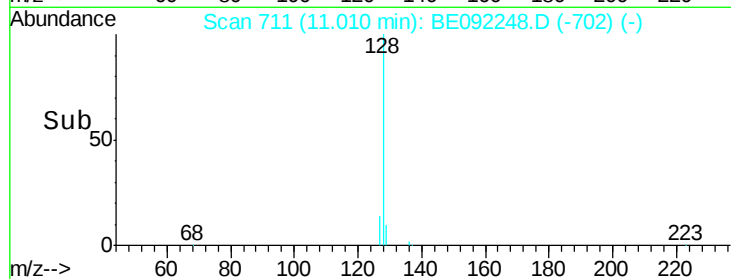
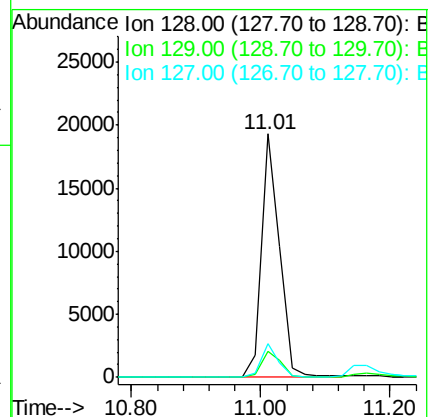
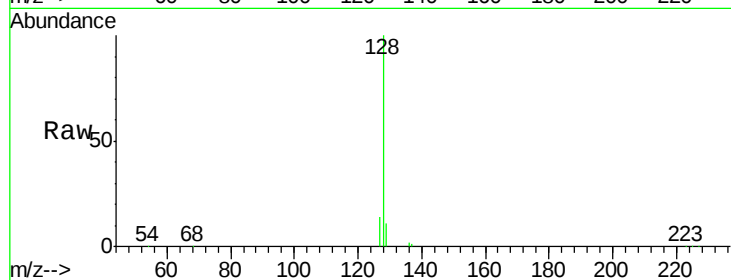
Tgt Ion:128 Resp: 37332

Ion Ratio Lower Upper

128 100

129 10.5 11.5 17.3#

127 14.0 11.0 16.6



#10

Hexachlorobutadiene

Concen: 2.80 ng

RT: 11.30 min Scan# 726

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

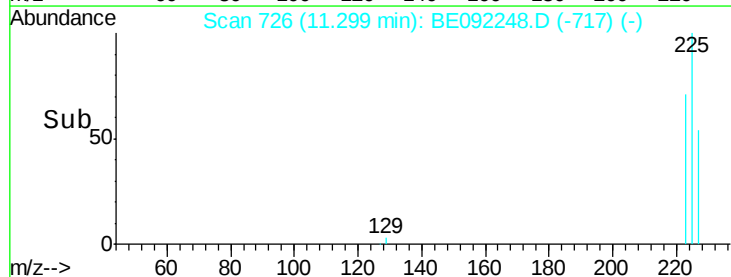
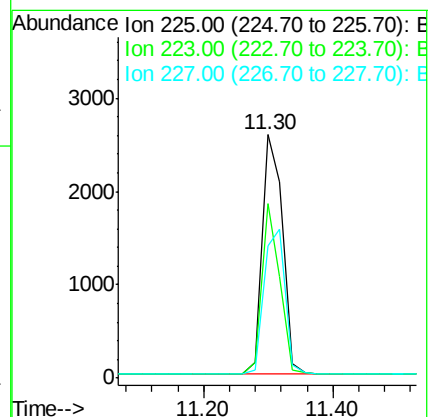
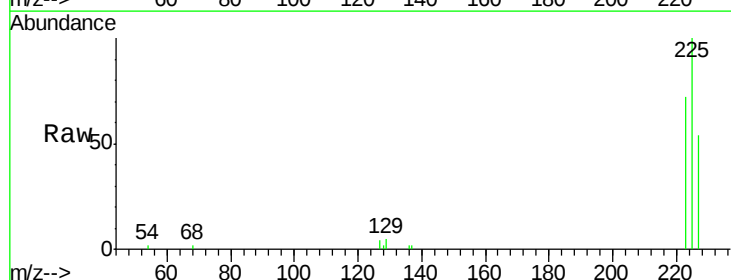
Tgt Ion:225 Resp: 5619

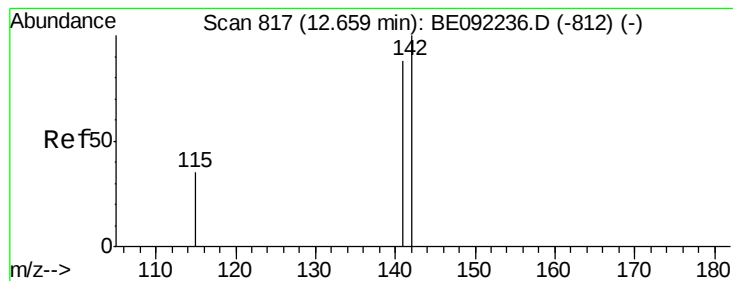
Ion Ratio Lower Upper

225 100

223 62.7 52.2 78.4

227 63.4 51.0 76.6





#11

2-Methylnaphthalene

Concen: 2.87 ng

RT: 12.64 min Scan# 815

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

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PB92747BSD

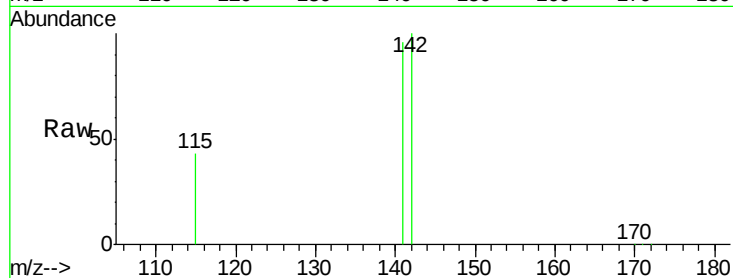
Tgt Ion:142 Resp: 24871

Ion Ratio Lower Upper

142 100

141 96.4 70.6 105.8

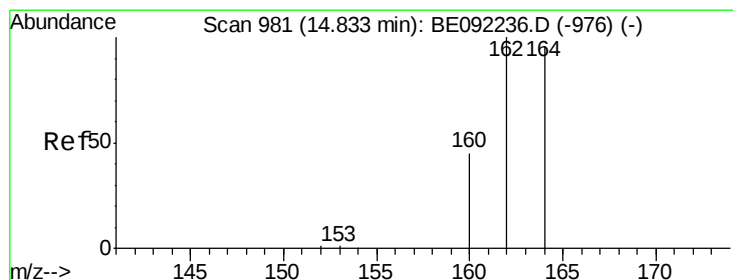
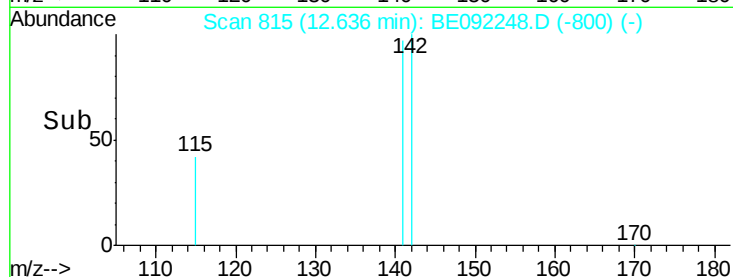
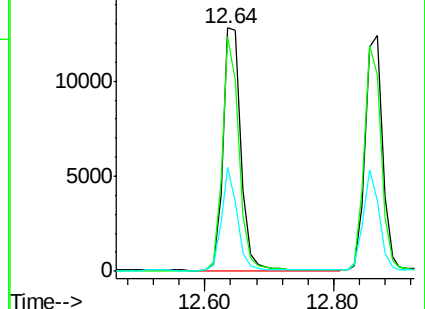
115 42.6 31.0 46.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

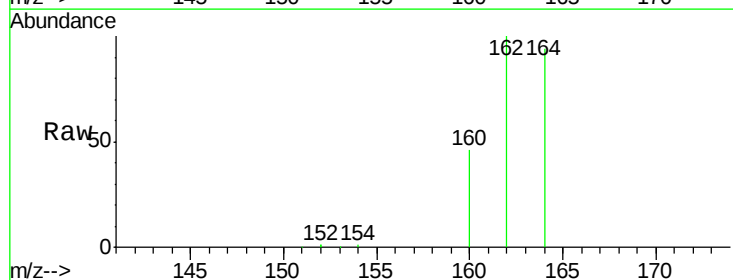
Tgt Ion:164 Resp: 30554

Ion Ratio Lower Upper

164 100

162 106.8 83.3 124.9

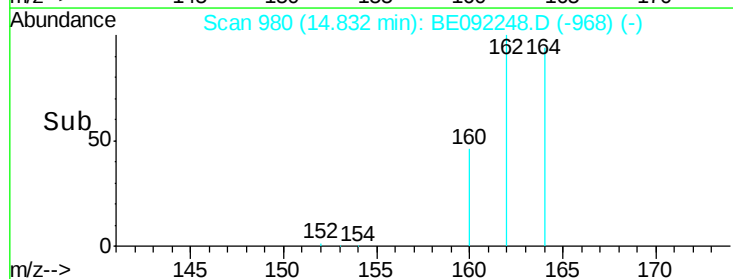
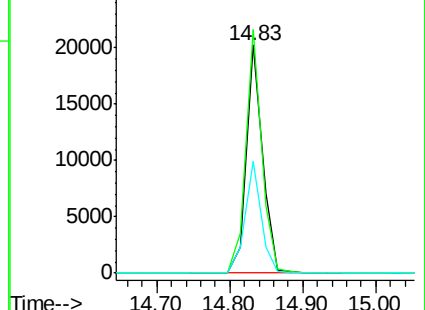
160 49.2 38.0 57.0

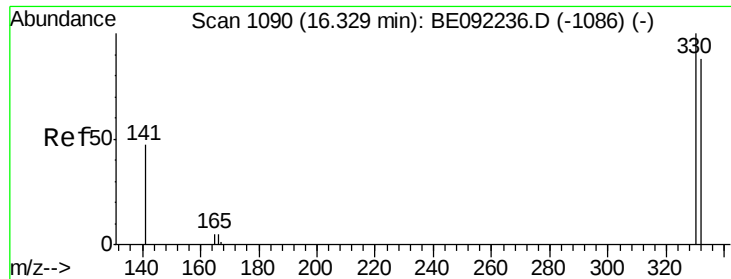


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

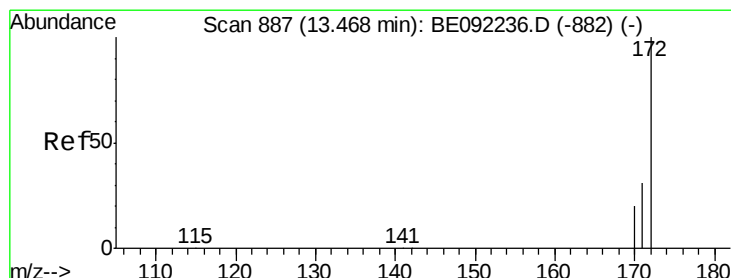
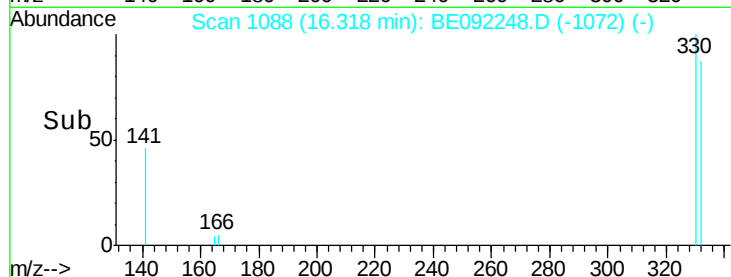
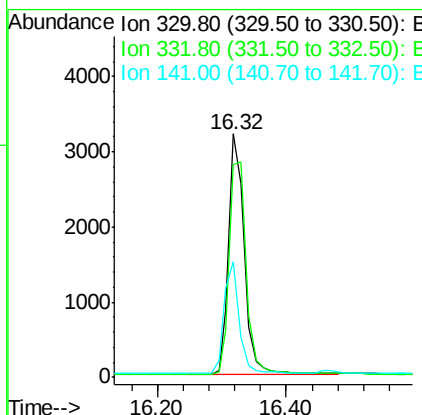
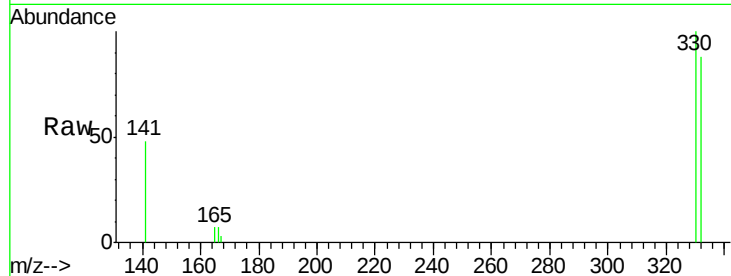




#13
 2,4,6-Tribromophenol
 Concen: 4.59 ng
 RT: 16.32 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092248.D
 Acq: 10 Aug 2016 11:03

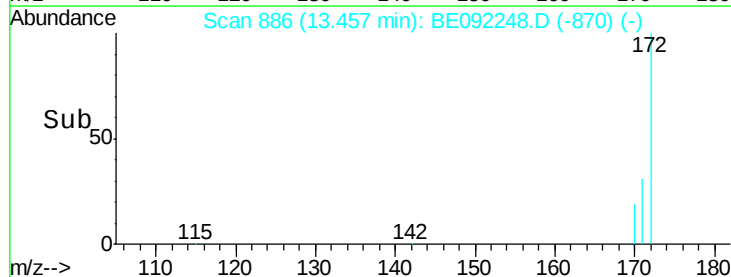
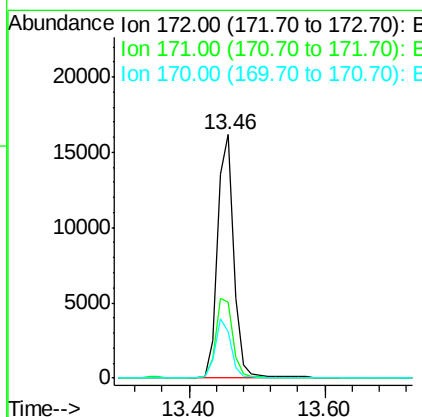
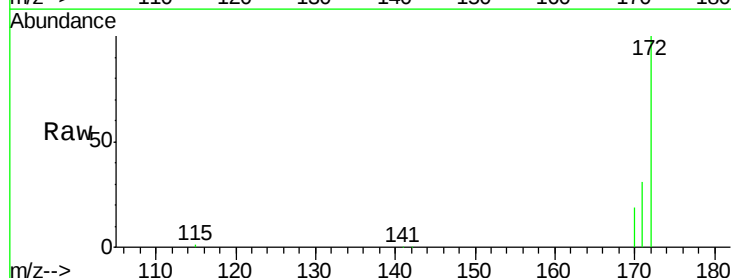
Instrument :
 BNA_E
 ClientSampleId :
 PB92747BSD

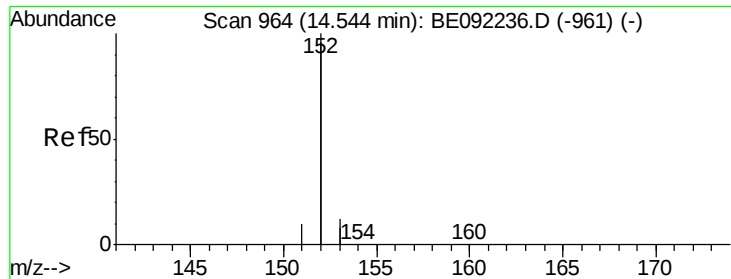
Tgt Ion: 330 Resp: 5349
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.4 113.0
 141 45.7 37.7 56.5



#14
 2-Fluorobiphenyl
 Concen: 2.86 ng
 RT: 13.46 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BE092248.D
 Acq: 10 Aug 2016 11:03

Tgt Ion: 172 Resp: 27013
 Ion Ratio Lower Upper
 172 100
 171 31.2 26.8 40.2
 170 18.9 17.8 26.6





#15

Acenaphthylene

Concen: 2.77 ng

RT: 14.54 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

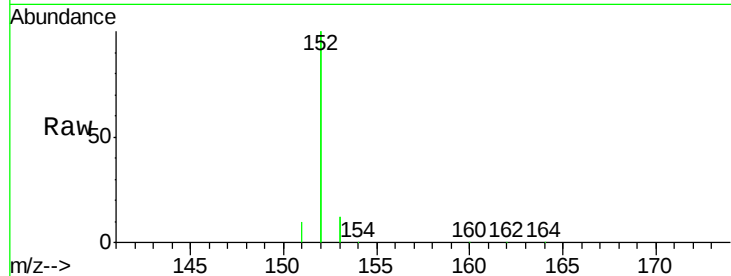
Tgt Ion:152 Resp: 146265

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

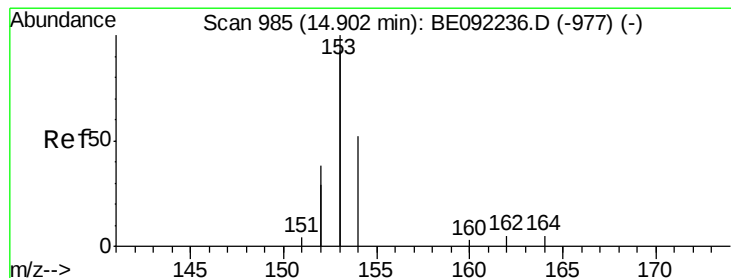
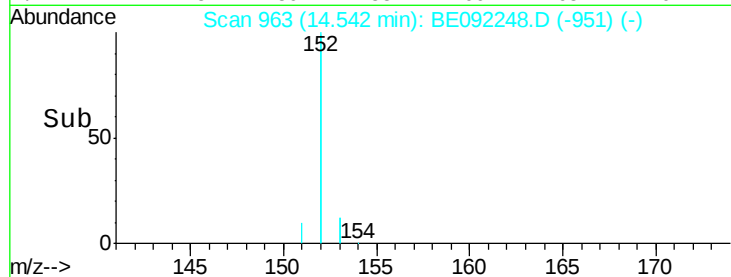
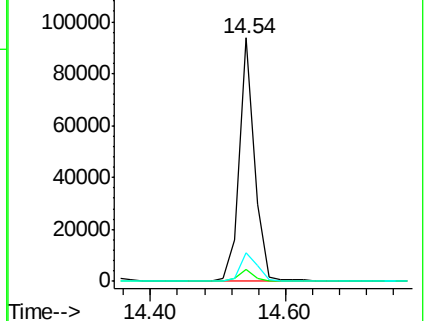
153 13.0 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 2.58 ng

RT: 14.90 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

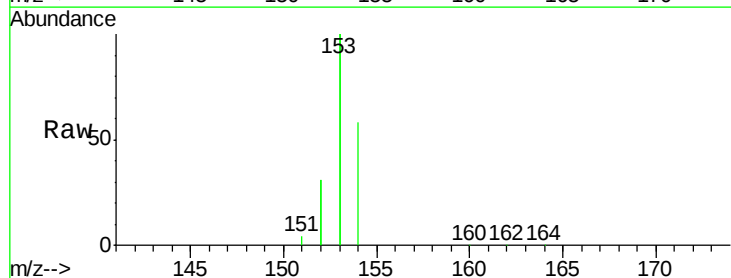
Tgt Ion:154 Resp: 21874

Ion Ratio Lower Upper

154 100

153 457.5 355.0 532.4

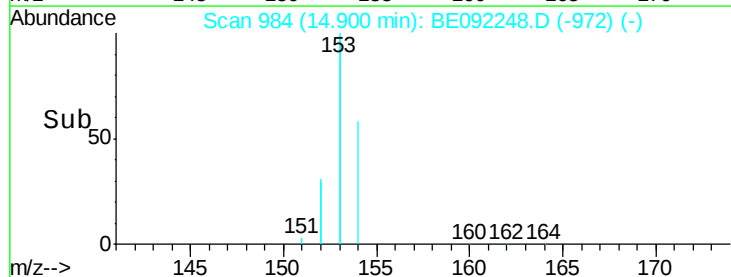
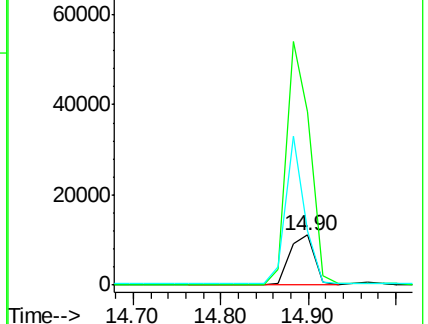
152 230.5 179.7 269.5

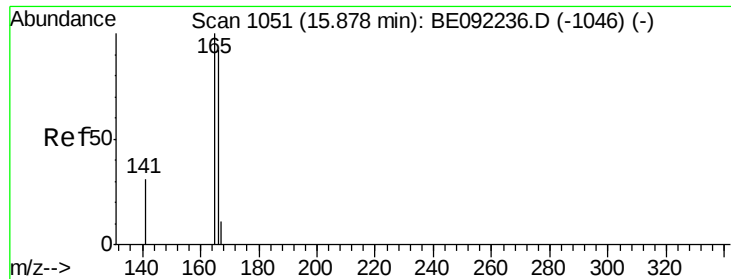


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 2.67 ng

RT: 15.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

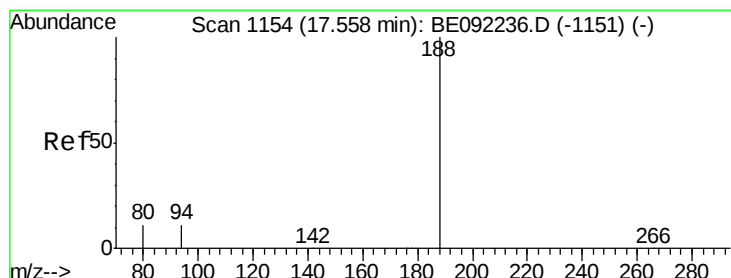
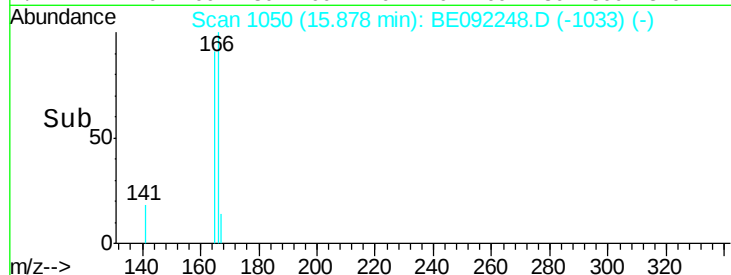
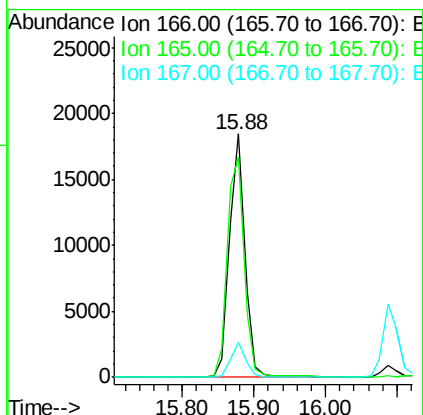
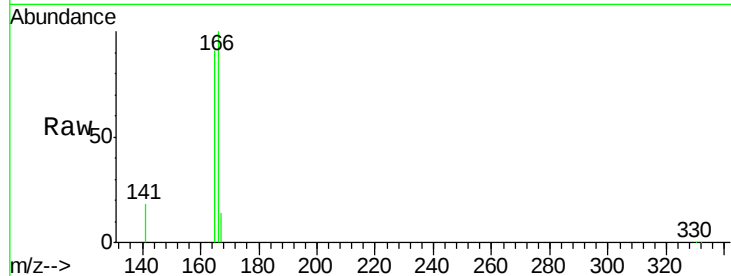
Tgt Ion:166 Resp: 27383

Ion Ratio Lower Upper

166 100

165 99.3 80.1 120.1

167 13.3 10.6 16.0



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

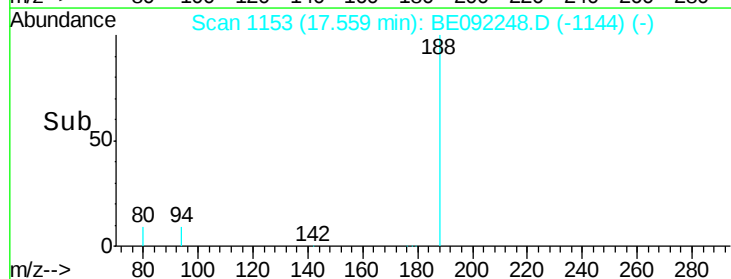
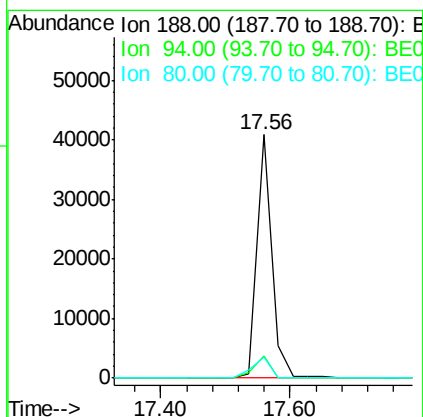
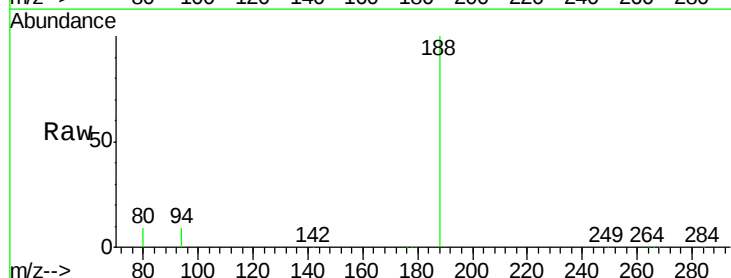
Tgt Ion:188 Resp: 65857

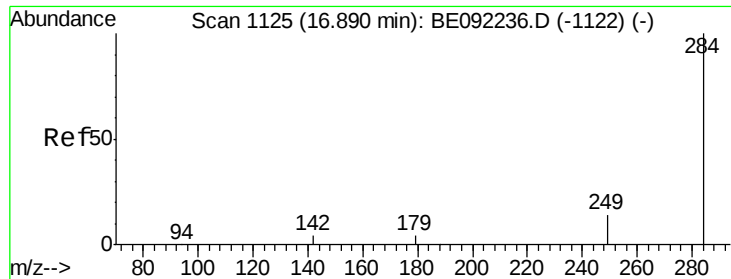
Ion Ratio Lower Upper

188 100

94 9.3 9.2 13.8

80 8.8 9.1 13.7#

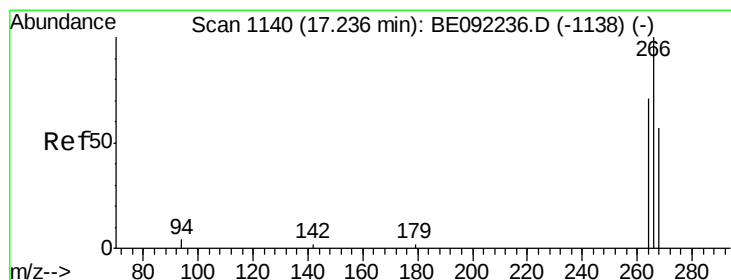
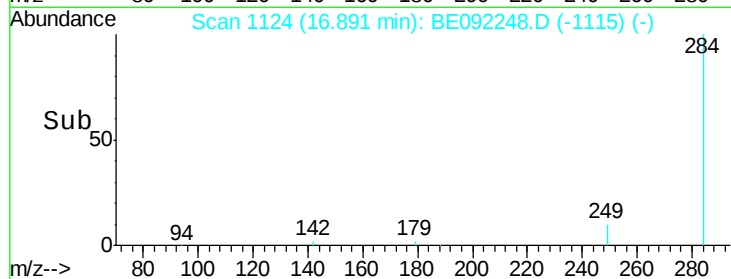
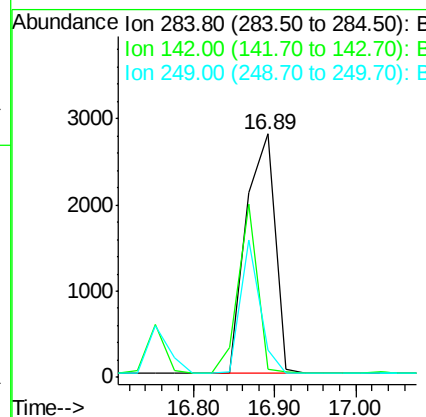
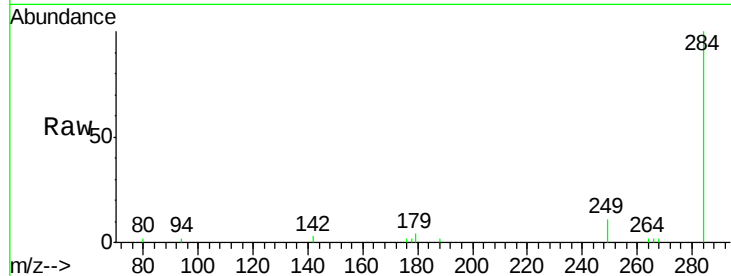




#19
Hexachlorobenzene
Concen: 2.61 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

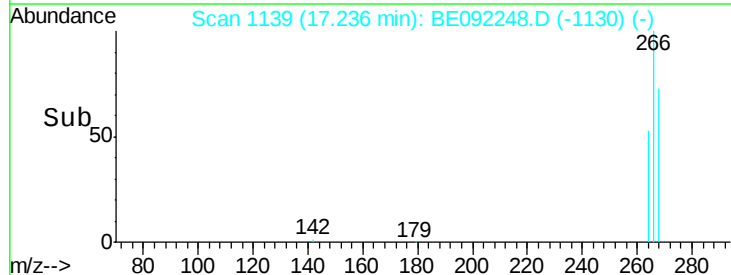
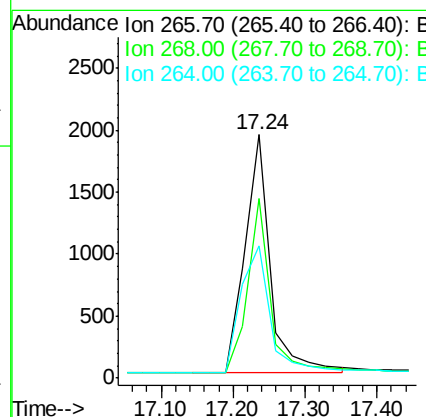
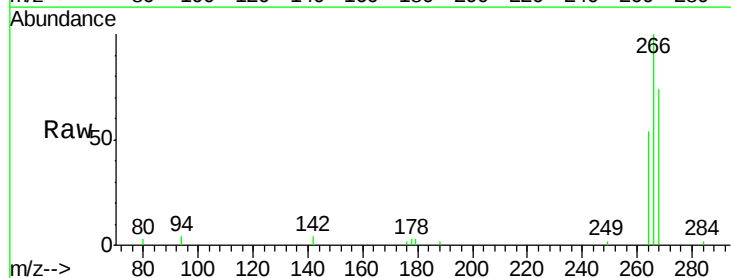
Instrument :
BNA_E
ClientSampleId :
PB92747BSD

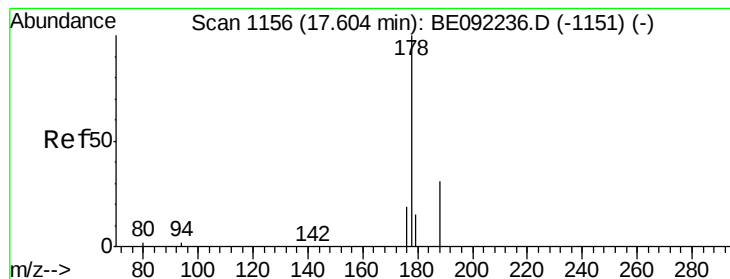
Tgt Ion: 284 Resp: 6831
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#20
Pentachlorophenol
Concen: 5.79 ng
RT: 17.24 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion: 266 Resp: 4676
Ion Ratio Lower Upper
266 100
268 73.8 62.3 93.5
264 54.4 67.4 101.0#





#21

Phenanthrene

Concen: 2.59 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

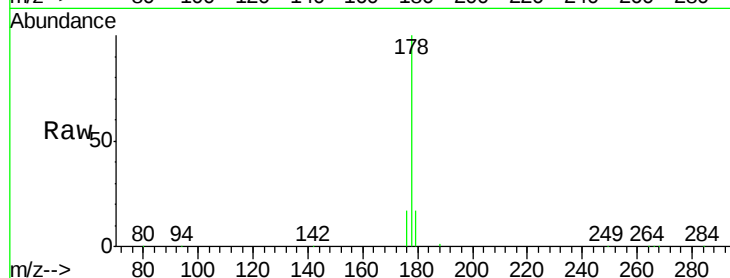
Tgt Ion:178 Resp: 44043

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

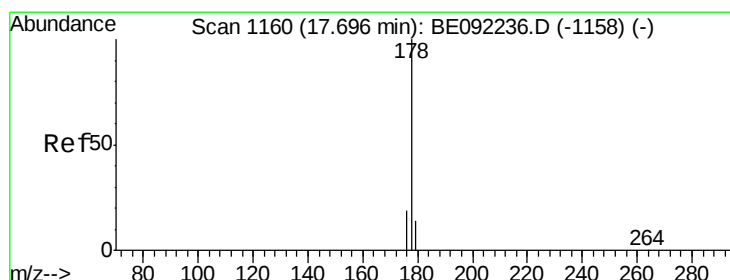
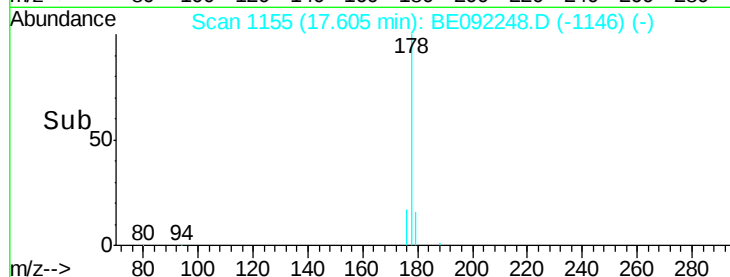
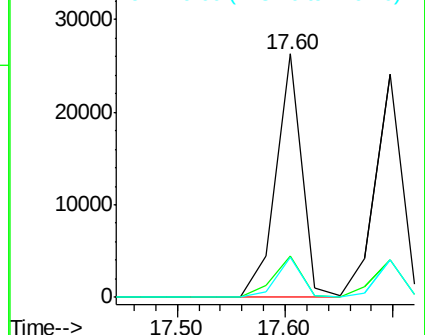
179 15.7 12.9 19.3



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: 2.68 ng

RT: 17.70 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

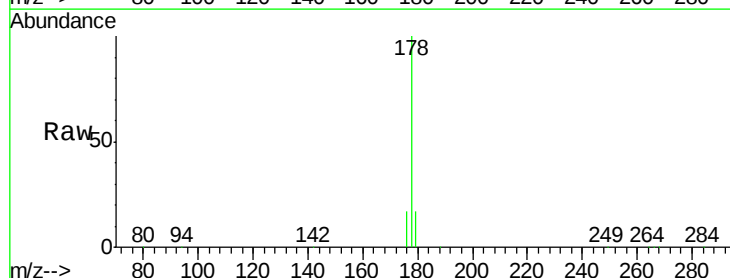
Tgt Ion:178 Resp: 41286

Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

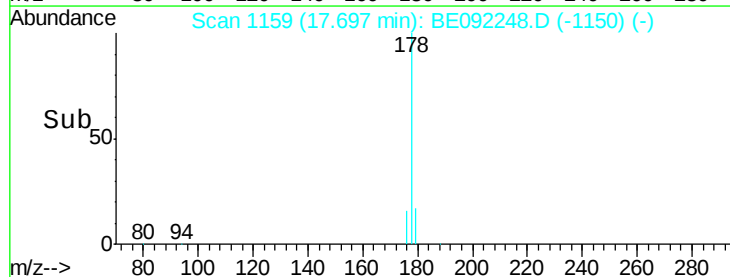
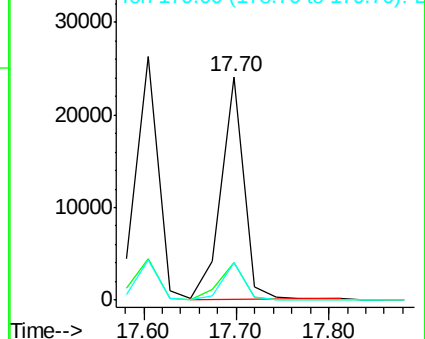
179 15.8 12.0 18.0

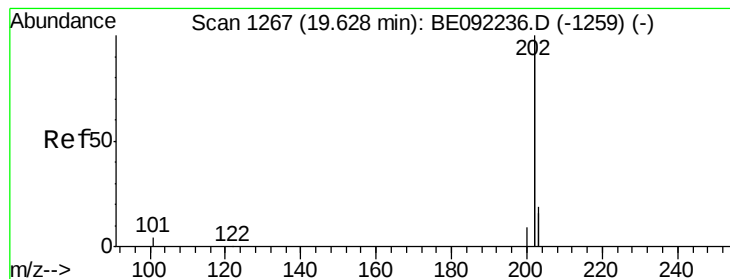


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 2.65 ng

RT: 19.61 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

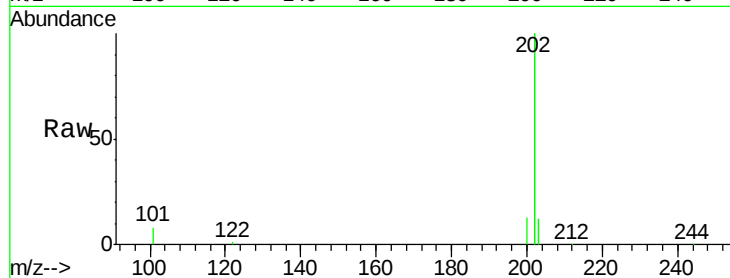
Tgt Ion:202 Resp: 179206

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

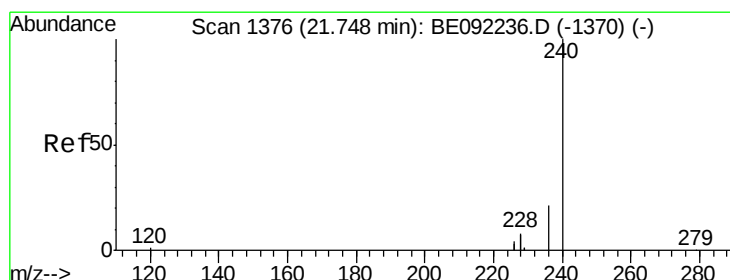
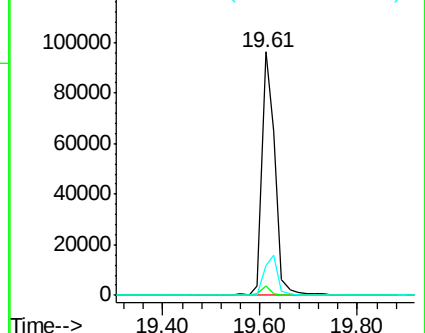
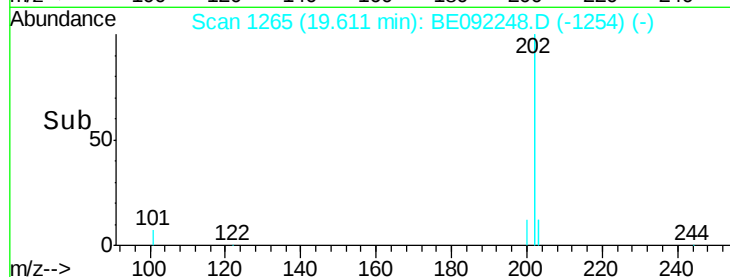
203 17.2 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1374

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

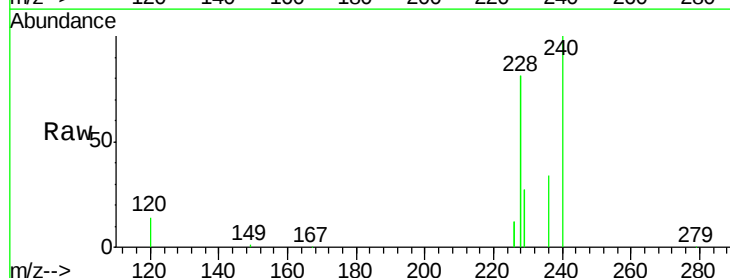
Tgt Ion:240 Resp: 58464

Ion Ratio Lower Upper

240 100

120 13.7 1.2 1.8#

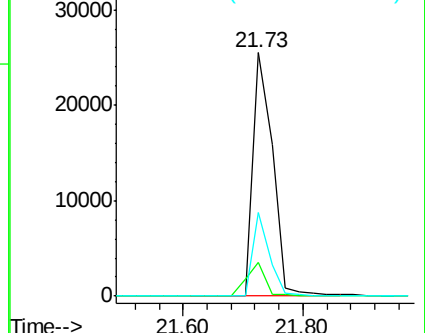
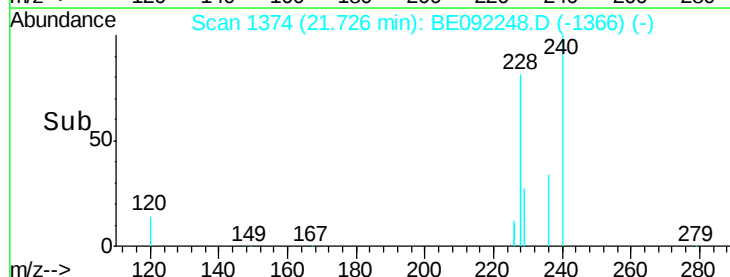
236 34.2 17.1 25.7#

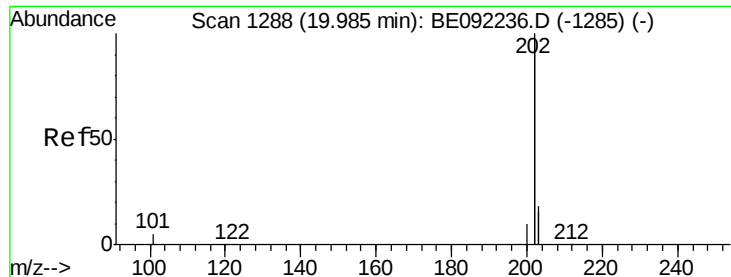


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pyrene

Concen: 2.70 ng

RT: 19.99 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

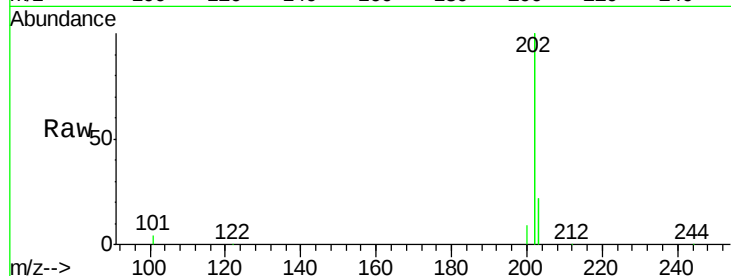
Tgt Ion:202 Resp: 186529

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

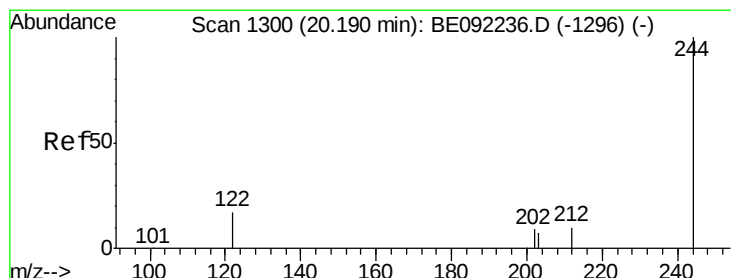
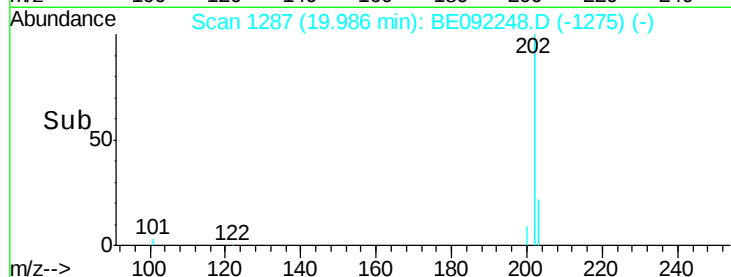
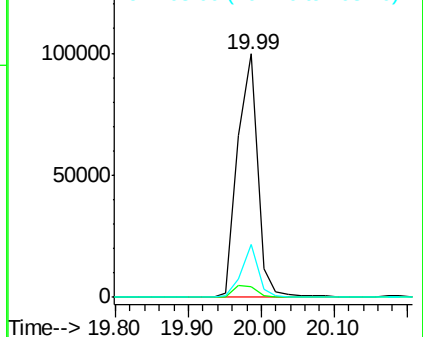
203 18.1 14.0 21.0



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: 2.73 ng

RT: 20.19 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

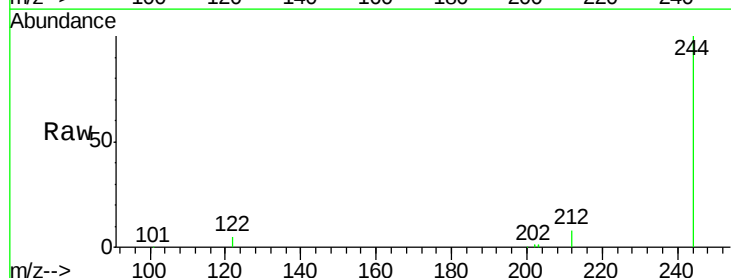
Tgt Ion:244 Resp: 27018

Ion Ratio Lower Upper

244 100

212 8.4 10.2 15.2#

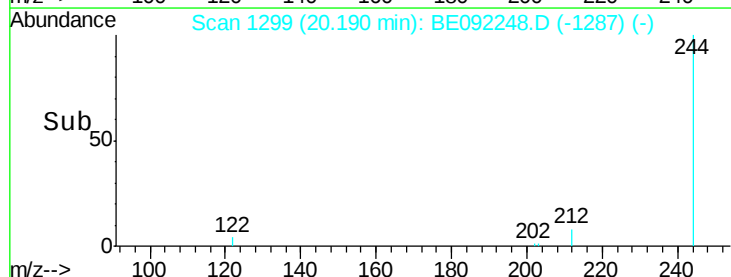
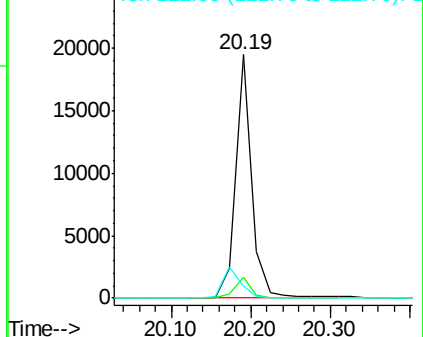
122 5.0 15.9 23.9#

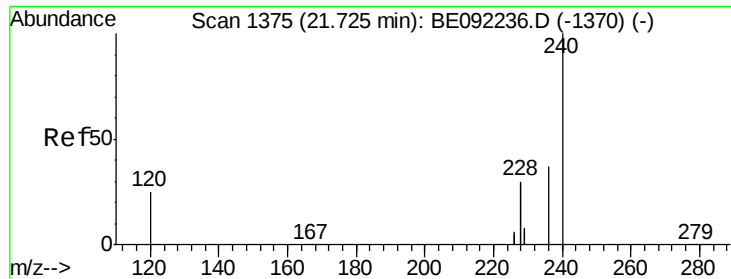


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

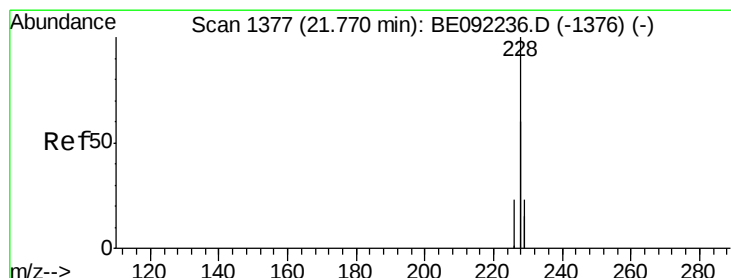
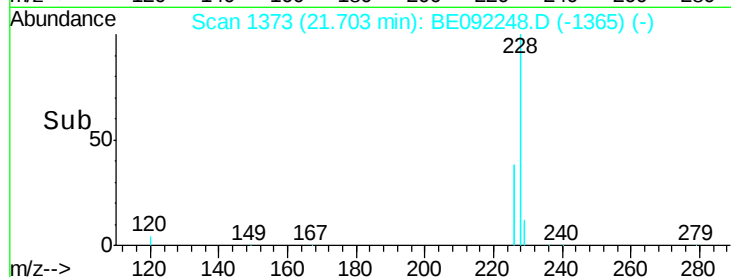
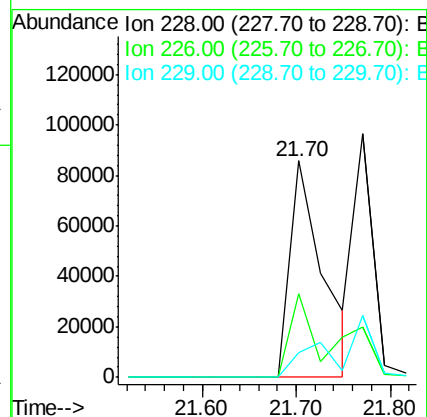
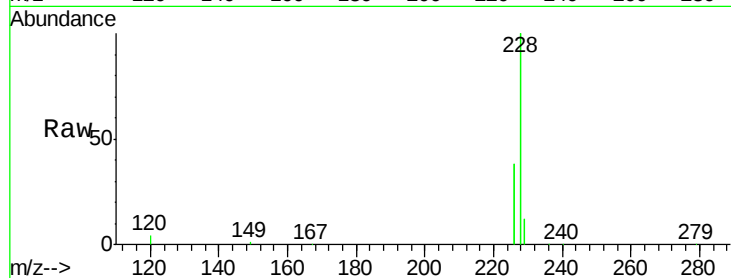




#27
Benzo(a)anthracene
Concen: 2.97 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

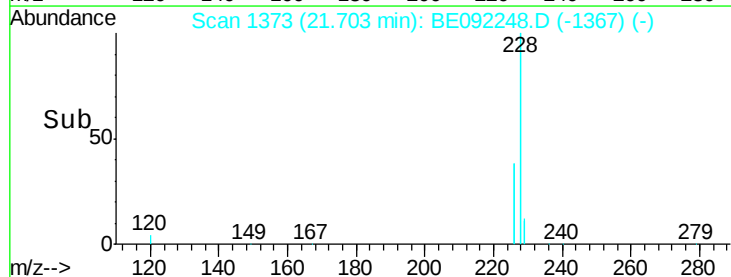
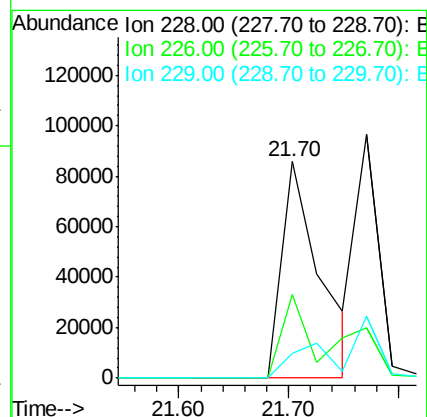
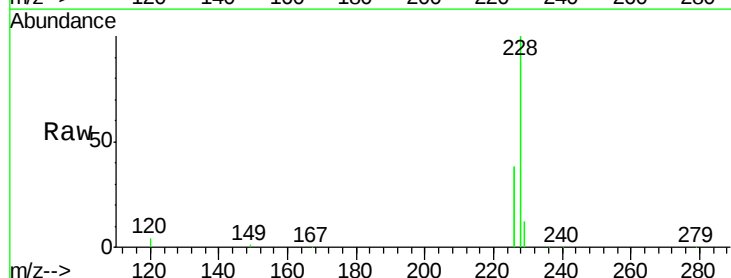
Instrument :
BNA_E
ClientSampleId :
PB92747BSD

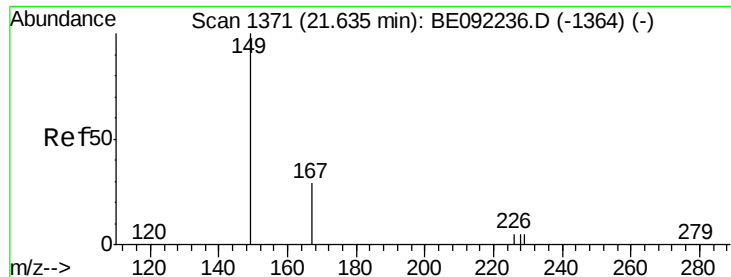
Tgt Ion:228 Resp: 208109
Ion Ratio Lower Upper
228 100
226 38.4 15.9 23.9#
229 11.6 22.4 33.6#



#28
Chrysene
Concen: 3.21 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.07 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:228 Resp: 208119
Ion Ratio Lower Upper
228 100
226 38.4 18.3 27.5#
229 11.6 18.6 27.8#





#29

Bis(2-ethylhexyl)phthalate

Concen: 1.88 ng

RT: 21.64 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

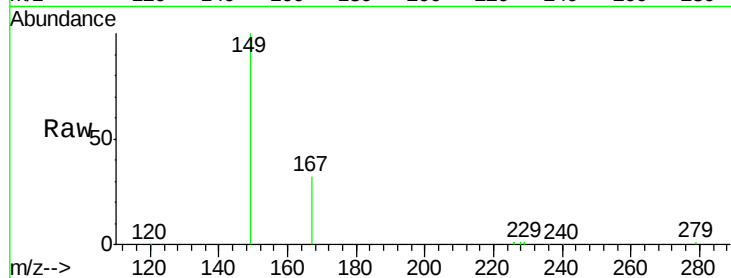
Tgt Ion:149 Resp: 20184

Ion Ratio Lower Upper

149 100

167 30.7 22.1 33.1

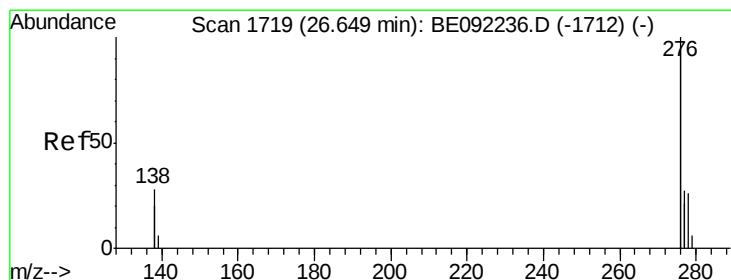
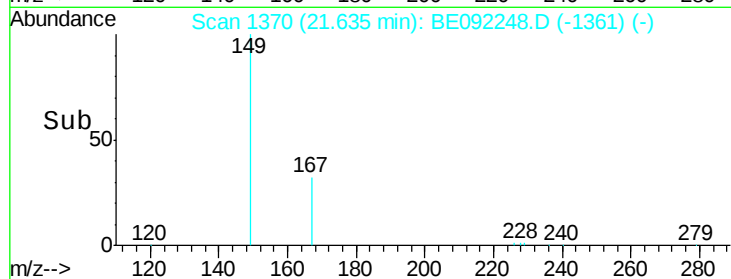
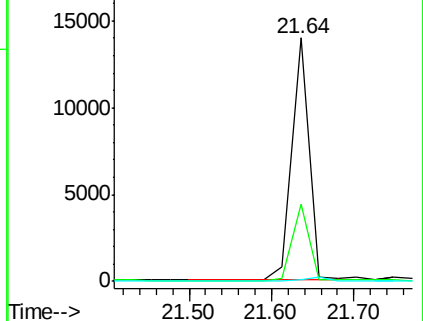
279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 3.45 ng

RT: 26.63 min Scan# 1717

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

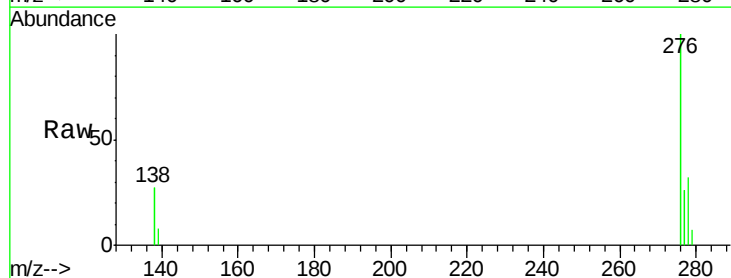
Tgt Ion:276 Resp: 240685

Ion Ratio Lower Upper

276 100

138 27.4 21.3 31.9

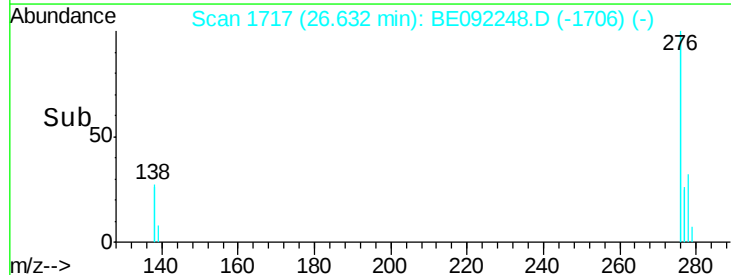
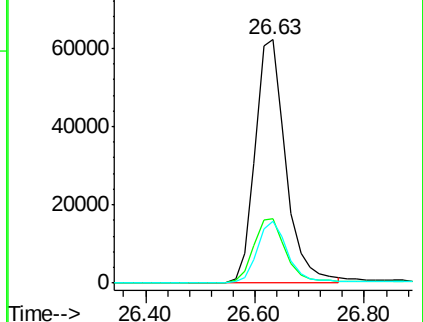
277 24.8 19.7 29.5

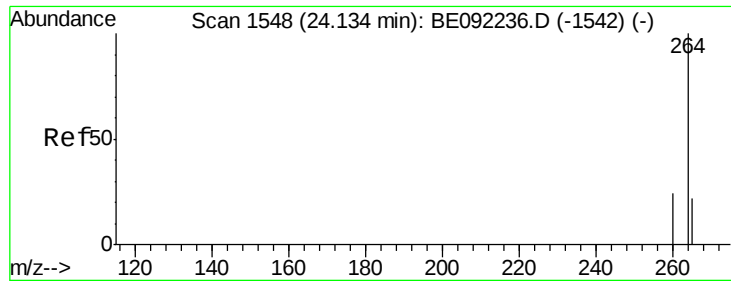


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.13 min Scan# 1547

Delta R.T. -0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

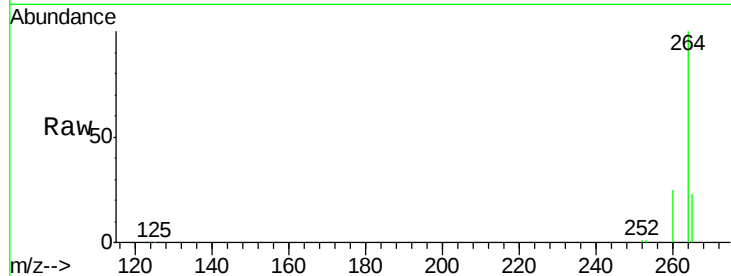
Tgt Ion: 264 Resp: 67902

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

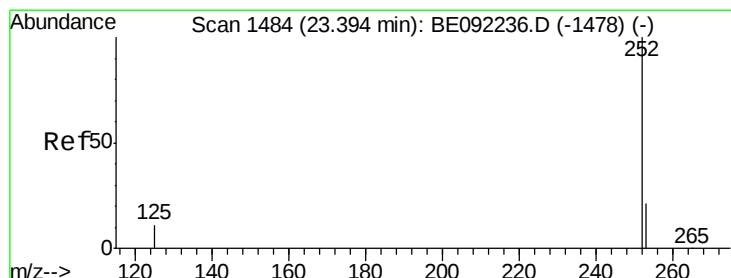
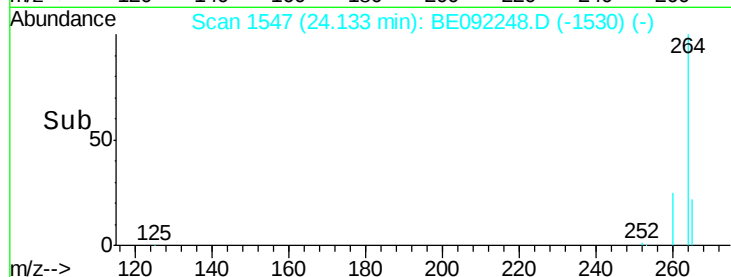
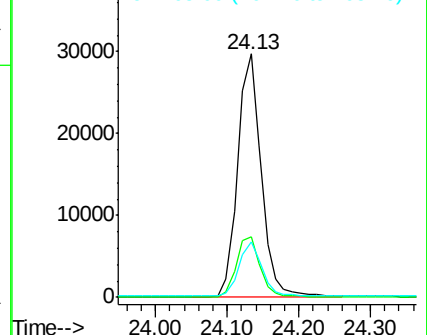
265 22.6 18.2 27.4



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: 2.84 ng

RT: 23.39 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

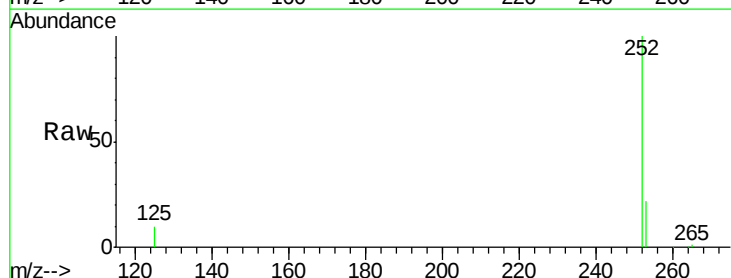
Tgt Ion: 252 Resp: 50583

Ion Ratio Lower Upper

252 100

253 22.3 19.0 28.4

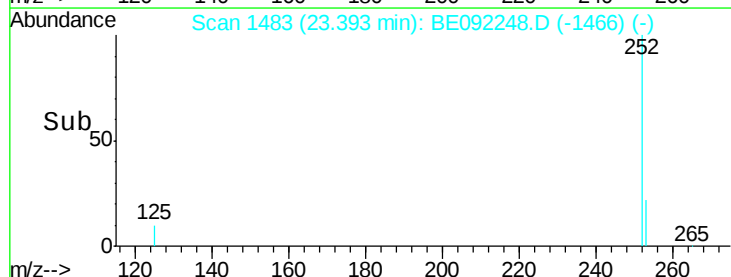
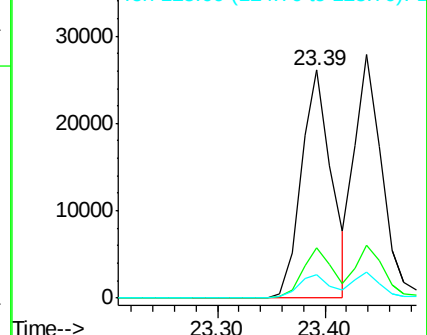
125 10.4 10.3 15.5

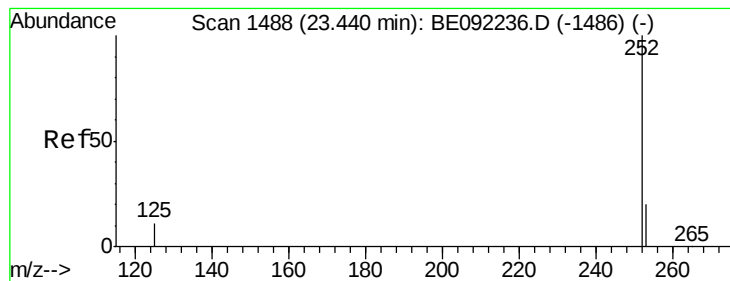


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#33

Benzo(k)fluoranthene

Concen: 2.76 ng

RT: 23.44 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

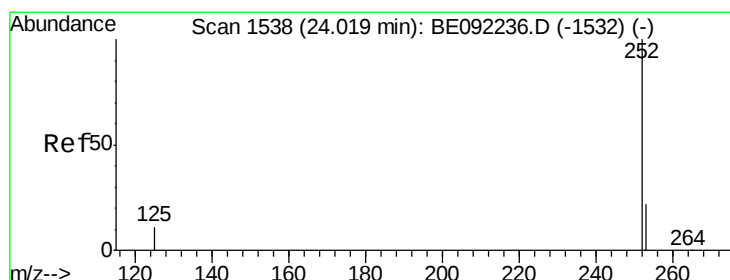
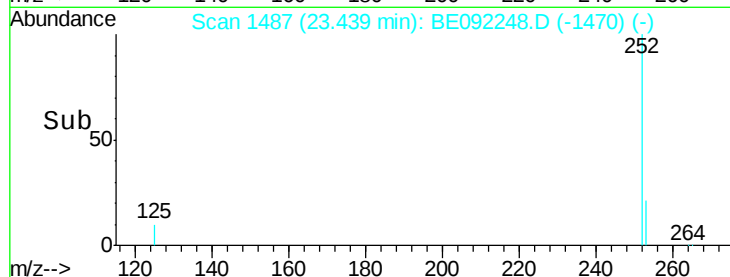
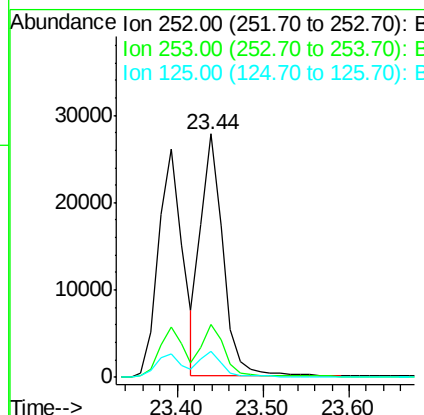
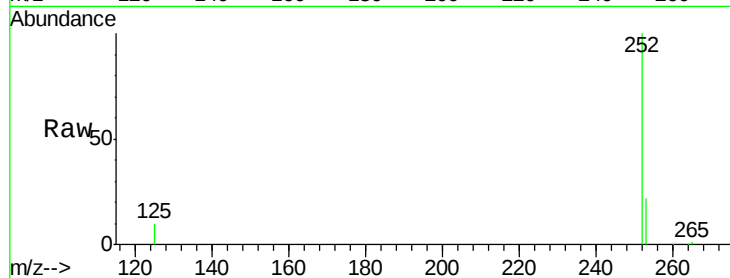
BNA_E

ClientSampleId :

PB92747BSD

Tgt Ion:252 Resp: 49637

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.0	28.6
125	10.5	10.6	15.8#



#34

Benzo(a)pyrene

Concen: 2.84 ng

RT: 24.02 min Scan# 1537

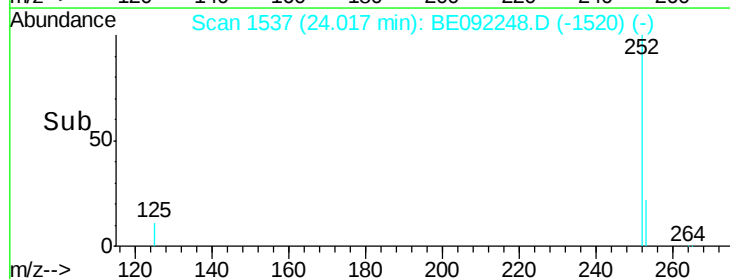
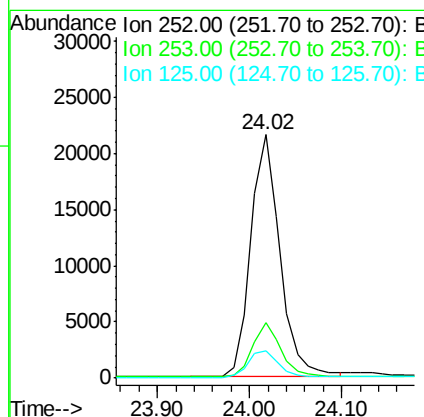
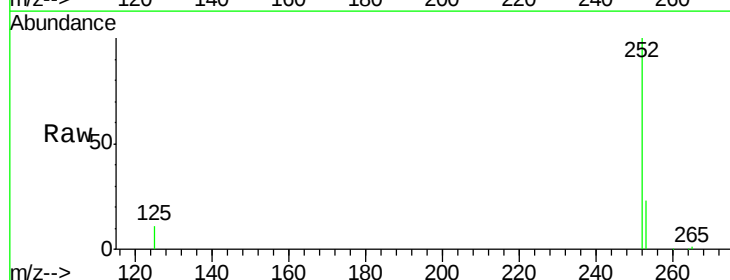
Delta R.T. -0.00 min

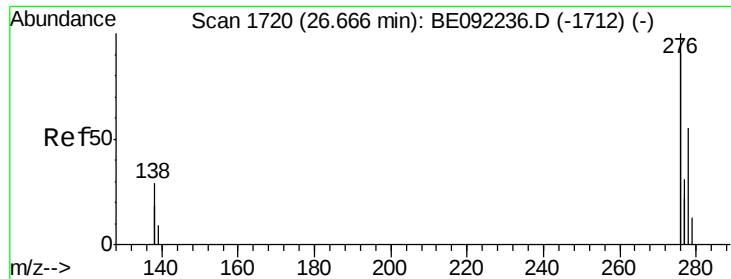
Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Tgt Ion:252 Resp: 47683

Ion	Ratio	Lower	Upper
252	100		
253	22.7	20.3	30.5
125	11.3	11.8	17.6#





#35

Dibenzo(a,h)anthracene

Concen: 3.25 ng

RT: 26.65 min Scan# 1718

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

Instrument :

BNA_E

ClientSampleId :

PB92747BSD

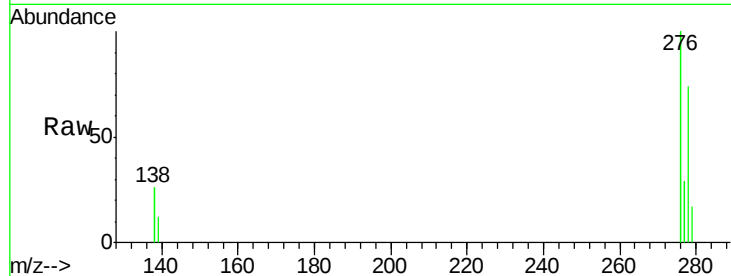
Tgt Ion: 278 Resp: 50828

Ion Ratio Lower Upper

278 100

139 16.1 16.2 24.2#

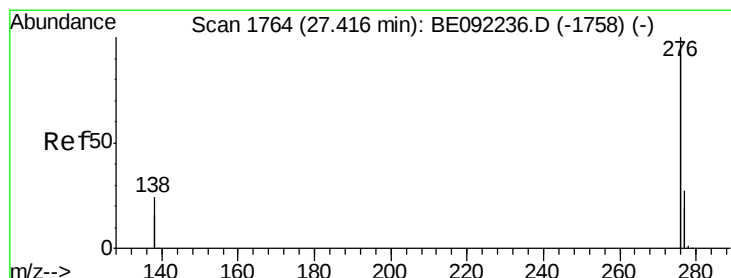
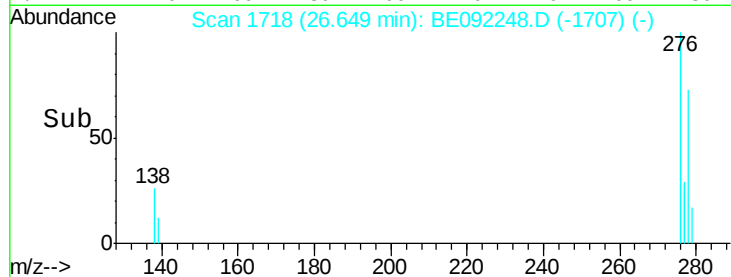
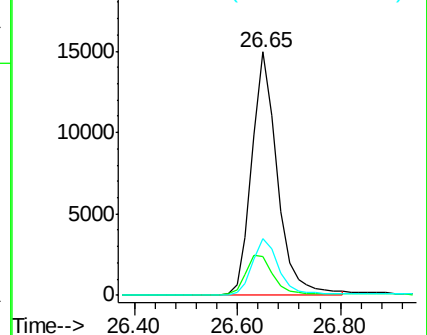
279 23.6 21.4 32.2



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: 3.11 ng

RT: 27.40 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BE092248.D

Acq: 10 Aug 2016 11:03

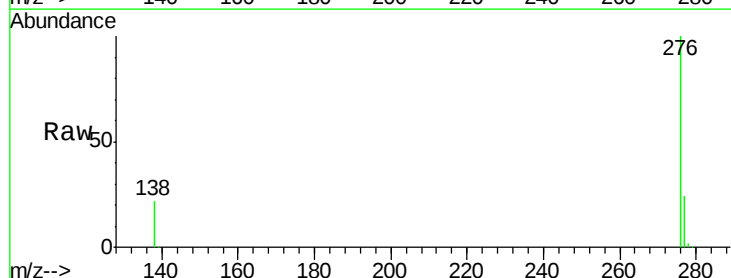
Tgt Ion: 276 Resp: 209259

Ion Ratio Lower Upper

276 100

277 24.2 21.4 32.2

138 21.6 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

