

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092155.D
 Acq On : 3 Aug 2016 21:22
 Operator : UM/SJ
 Sample : H4176-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-34-7.0-15.0

Quant Time: Aug 04 03:57:36 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11054	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	49592	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26937	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	61050	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	76726	5.00	ng	0.00
28) Perylene-d12	24.14	264	75537	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	211887	74.64	ng	0.00
5) Phenol-d6	7.34	99	195343	51.65	ng	-0.01
7) Nitrobenzene-d5	9.34	82	350235	89.50	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	141967	162.31	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	640718	75.06	ng	0.00
24) Terphenyl-d14	20.19	244	752188	68.26	ng	-0.02

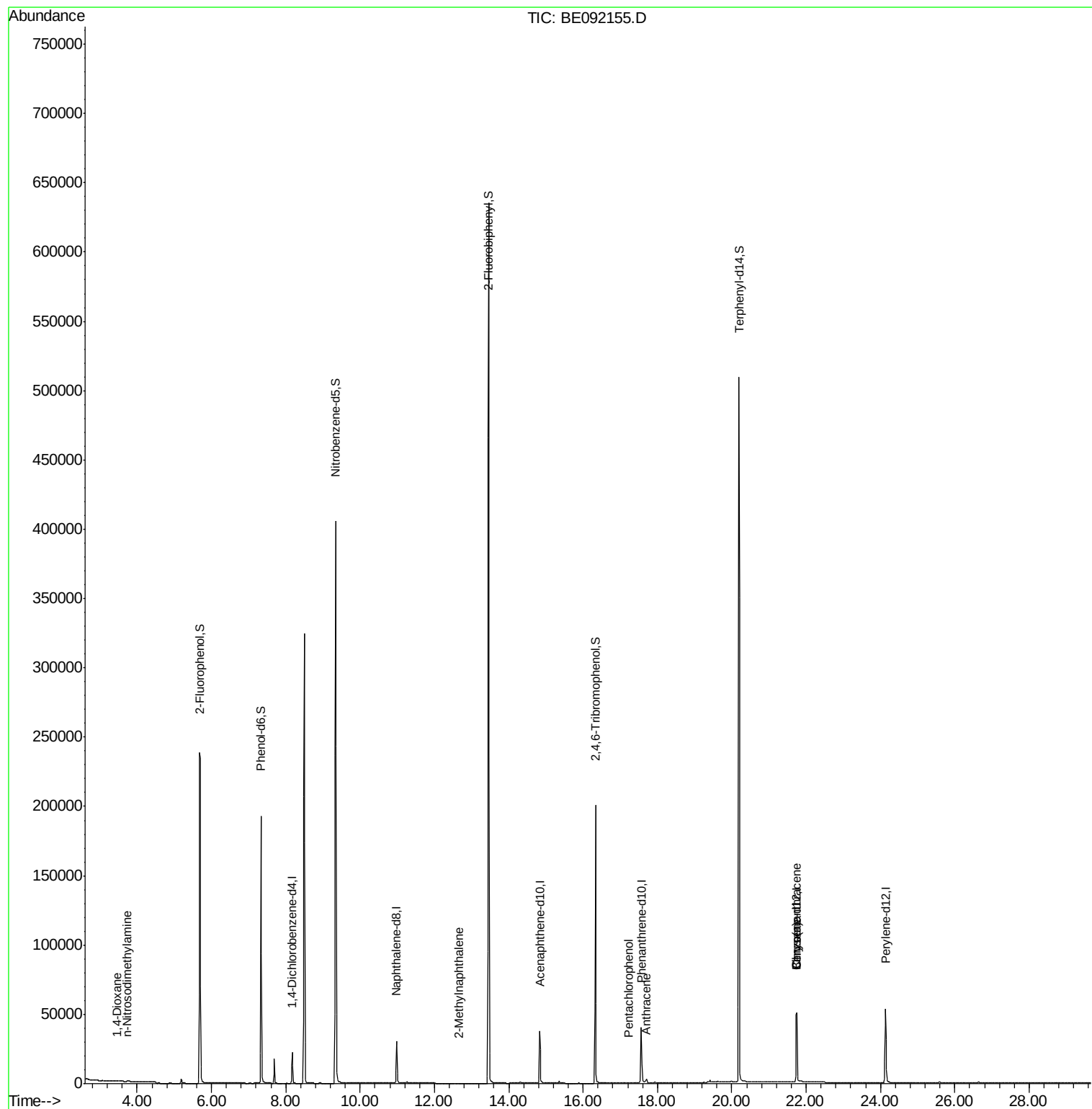
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	69	0.05	ng	# 1
3) n-Nitrosodimethylamine	3.73	42	115	0.14	ng	# 1
9) 2-Methylnaphthalene	12.66	142	67	0.02	ng	# 68
18) Pentachlorophenol	17.24	266	40	0.23	ng	# 82
19) Phenanthrene	17.61	178	597	Below Cal		# 82
20) Anthracene	17.70	178	3045	0.19	ng	99
25) Benzo(a)anthracene	21.73	228	2065	0.02	ng	# 52
26) Chrysene	21.73	228	2031	0.02	ng	# 54
30) Benzo(k)fluoranthene	23.40	252	96	Below Cal		# 1

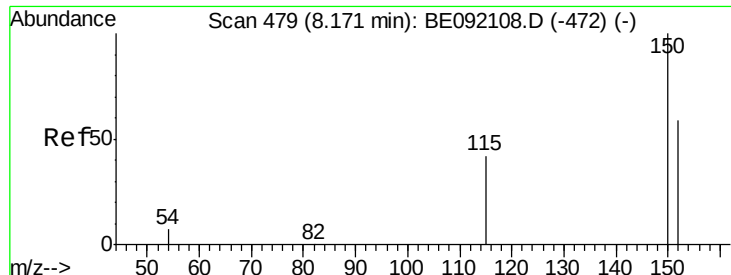
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

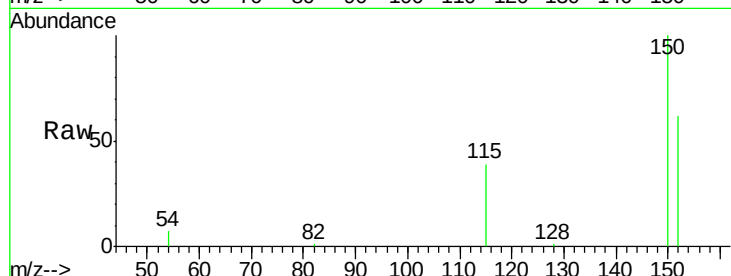
Tgt Ion:152 Resp: 11054

Ion Ratio Lower Upper

152 100

150 160.6 106.0 159.0#

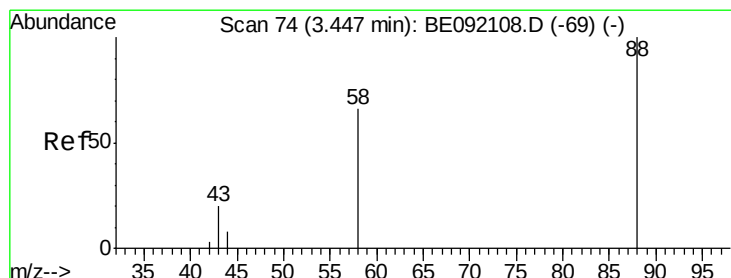
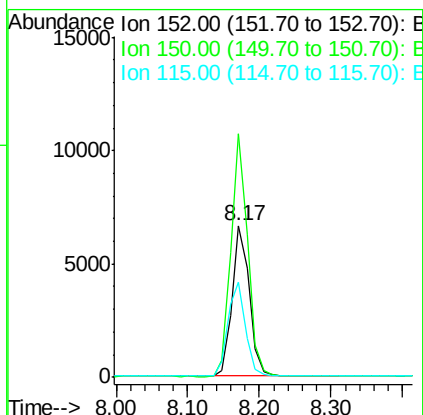
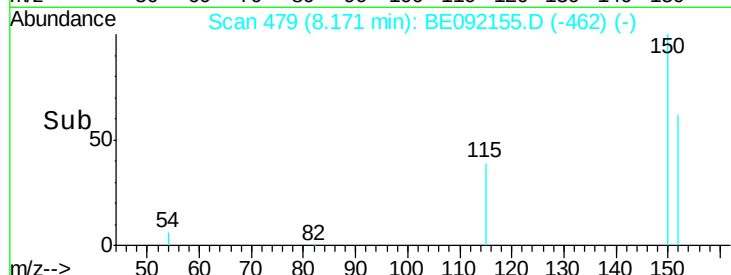
115 62.6 36.9 55.3#



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: 0.05 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

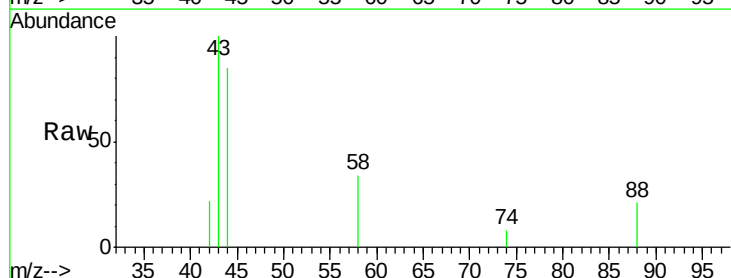
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

58 192.8 62.1 93.1#

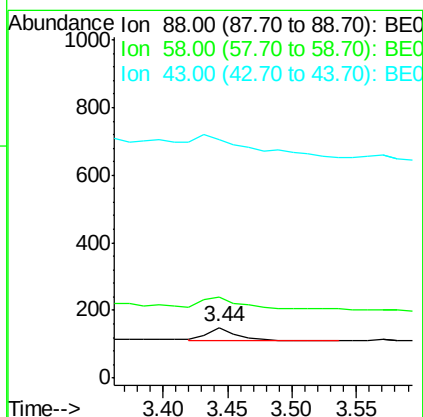
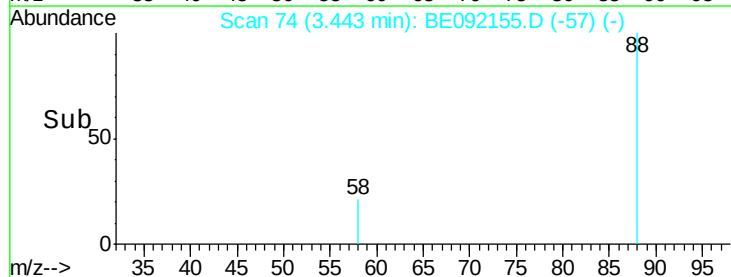
43 0.0 27.2 40.8#

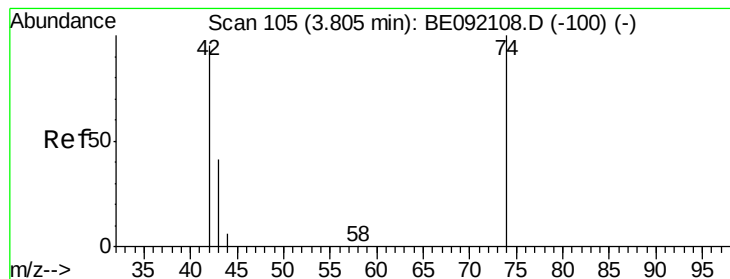


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

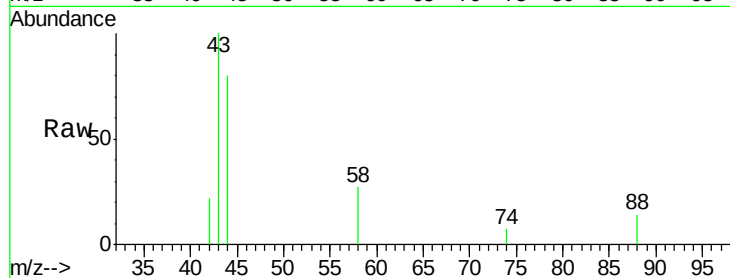




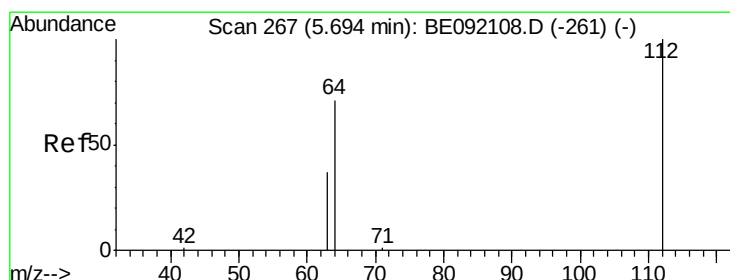
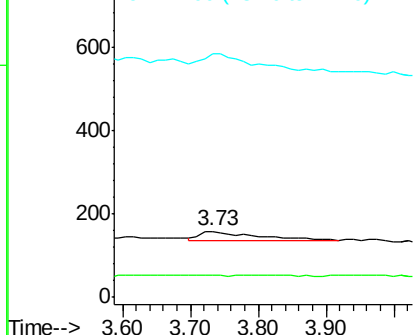
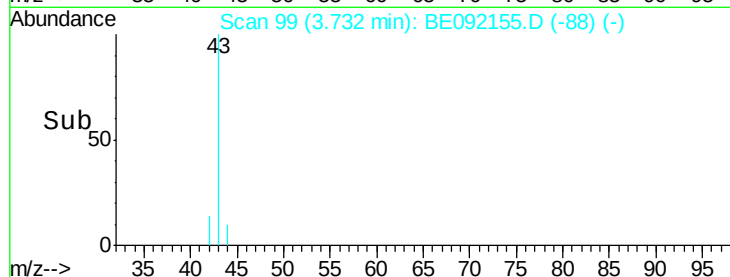
#3
n-Nitrosodimethylamine
Concen: 0.14 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.07 min
Lab File: BE092155.D
Acq: 3 Aug 2016 21:22

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0

Tgt Ion: 42 Resp: 115
Ion Ratio Lower Upper
42 100
74 2.6 82.8 124.2#
44 159.1 9.0 13.4#

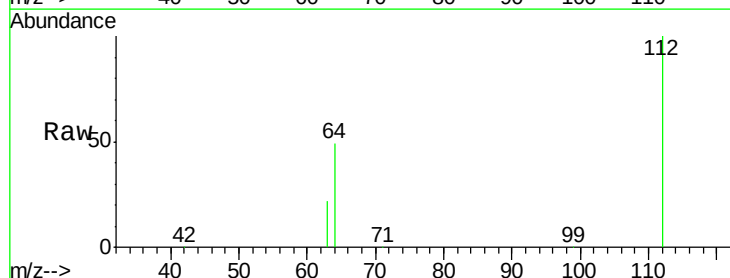


Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

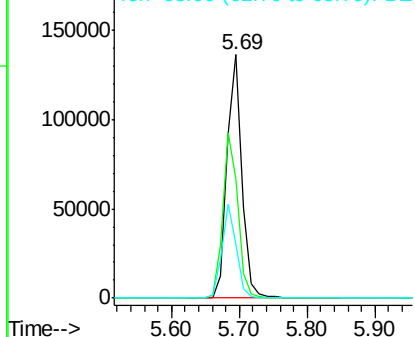
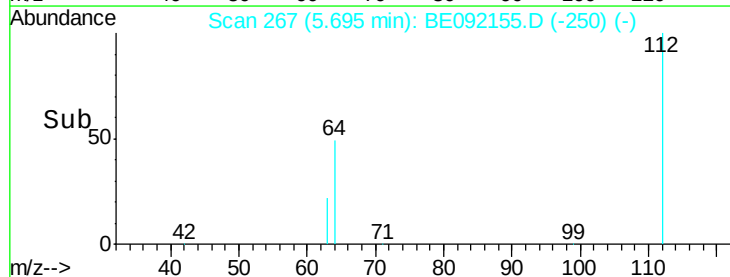


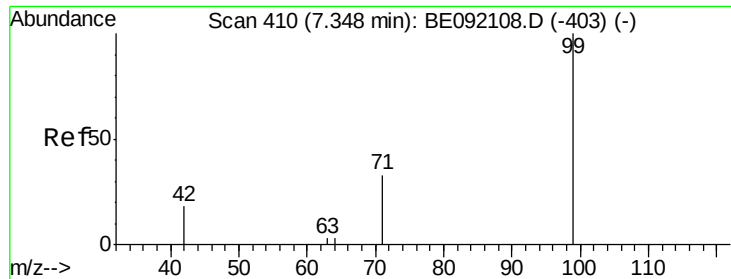
#4
2-Fluorophenol
Concen: 74.64 ng
RT: 5.69 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092155.D
Acq: 3 Aug 2016 21:22

Tgt Ion: 112 Resp: 211887
Ion Ratio Lower Upper
112 100
64 68.8 55.9 83.9
63 37.2 31.1 46.7



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: 51.65 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

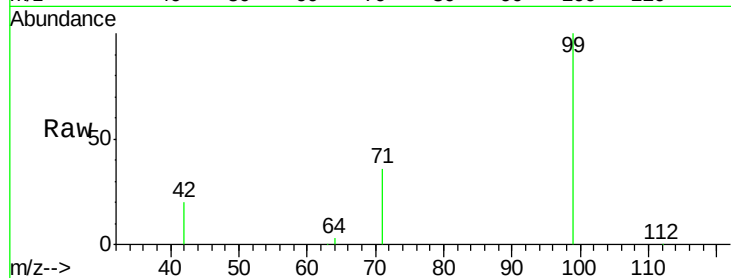
Tgt Ion: 99 Resp: 195343

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

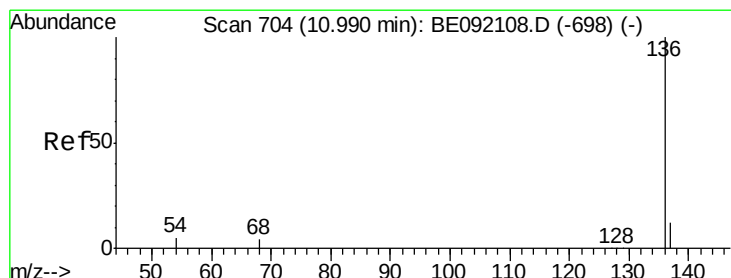
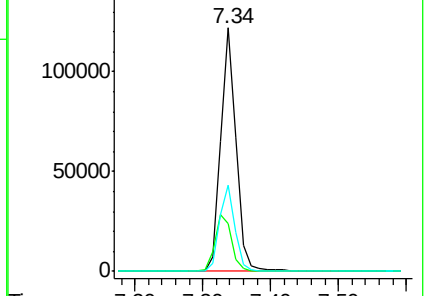
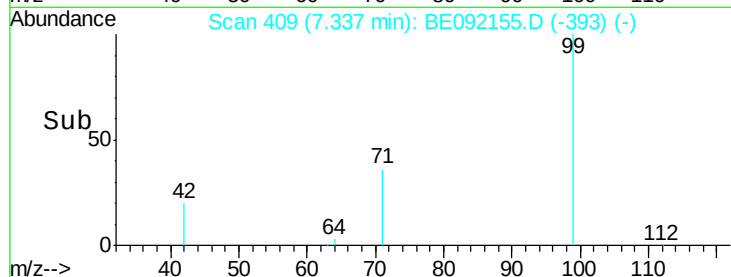
71 35.8 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Tgt Ion: 136 Resp: 49592

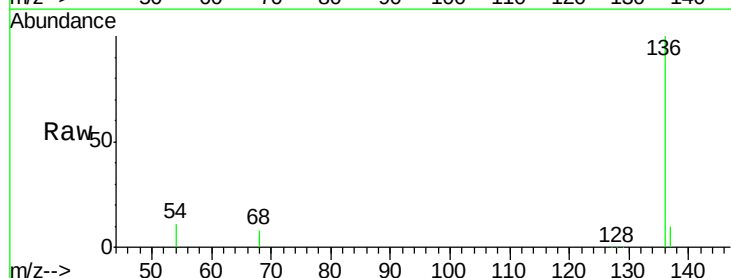
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 11.5 2.7 4.1#

68 7.9 2.2 3.4#

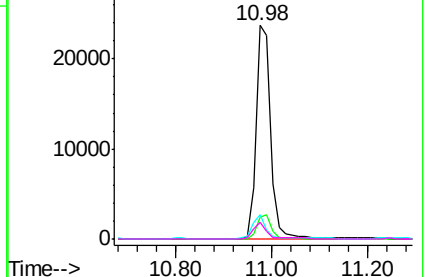
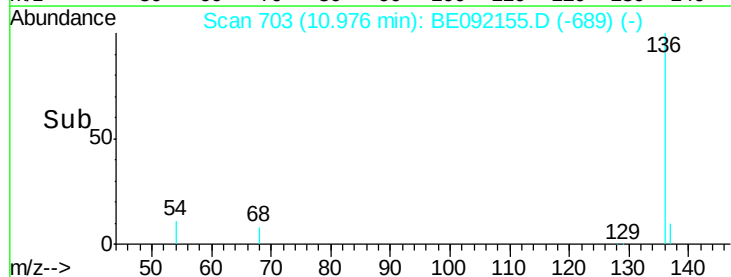


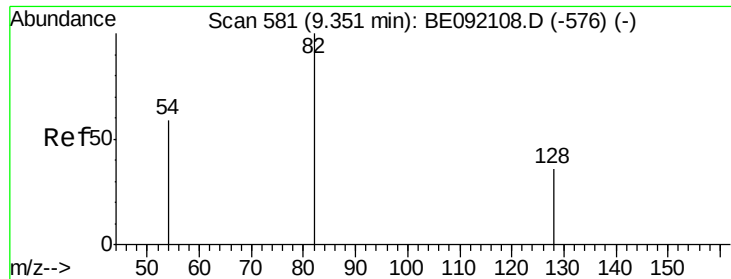
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

Ion 137.00 (136.70 to 137.70): BE092108.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092108.D (-698) (-)





#7

Nitrobenzene-d5

Concen: 89.50 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

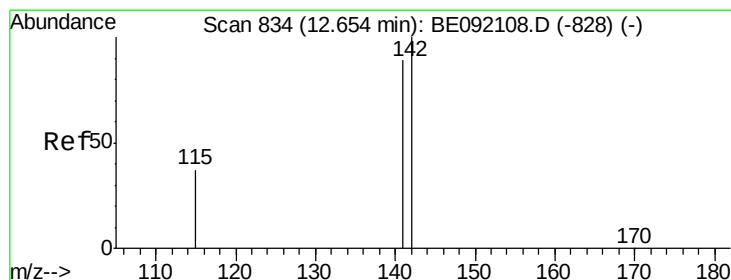
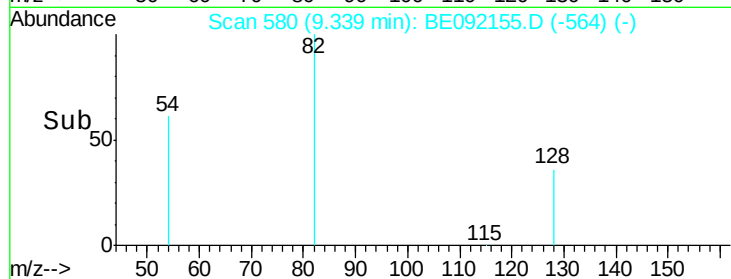
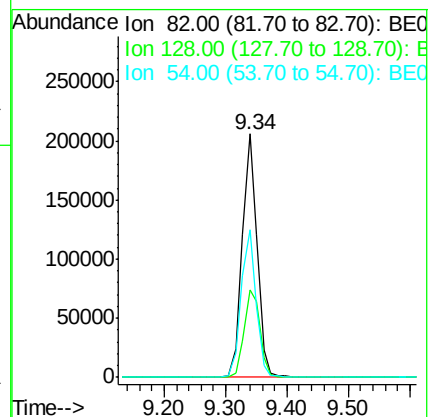
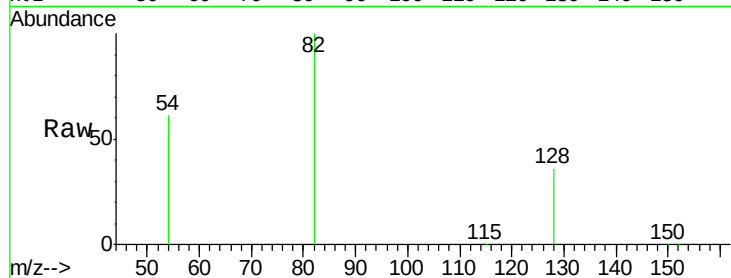
Tgt Ion: 82 Resp: 350235

Ion Ratio Lower Upper

82 100

128 36.2 33.0 49.4

54 60.8 42.6 63.8



#9

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.66 min Scan# 835

Delta R.T. 0.01 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

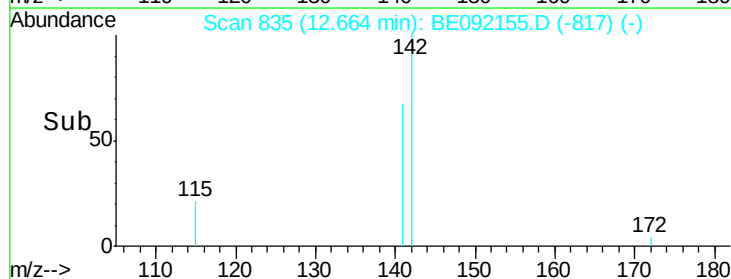
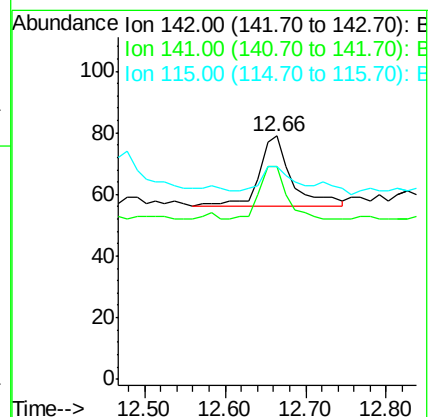
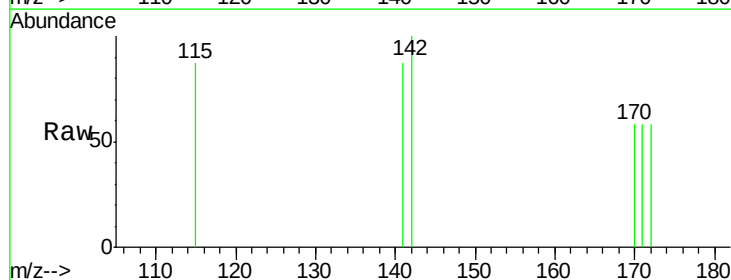
Tgt Ion: 142 Resp: 67

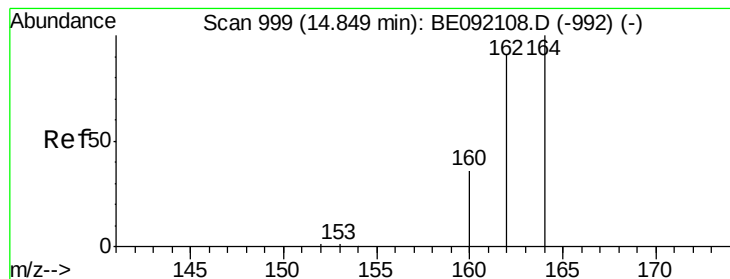
Ion Ratio Lower Upper

142 100

141 87.3 65.1 97.7

115 87.3 27.0 40.4#





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

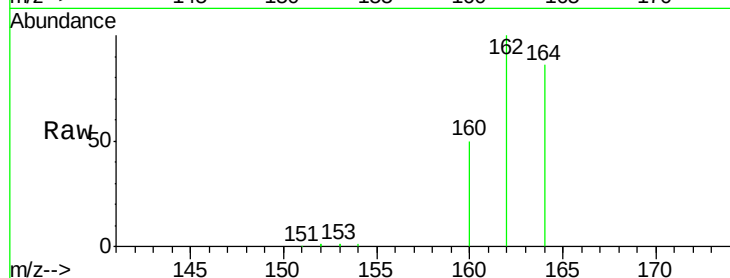
Tgt Ion:164 Resp: 26937

Ion Ratio Lower Upper

164 100

162 115.8 69.5 104.3#

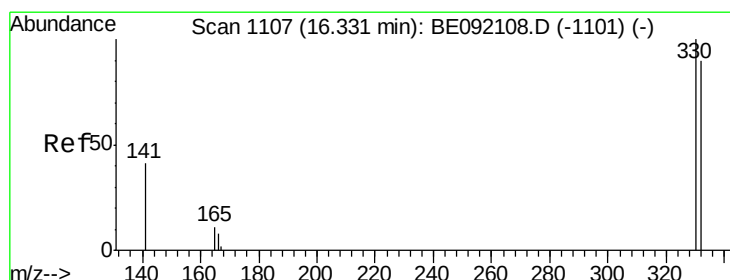
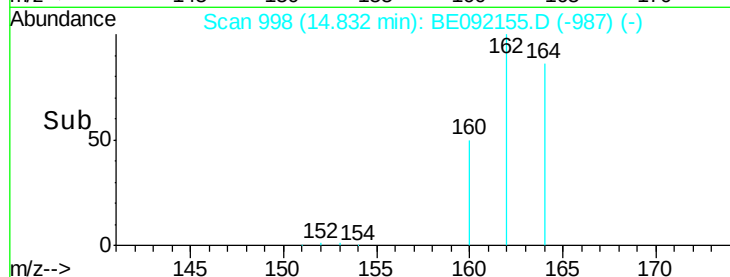
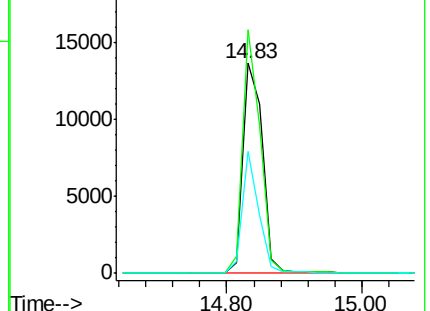
160 57.8 27.6 41.4#



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



#11

2,4,6-Tribromophenol

Concen: 162.31 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

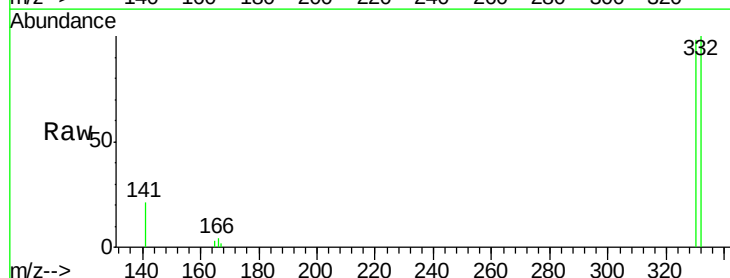
Tgt Ion:330 Resp: 141967

Ion Ratio Lower Upper

330 100

332 95.6 74.2 111.4

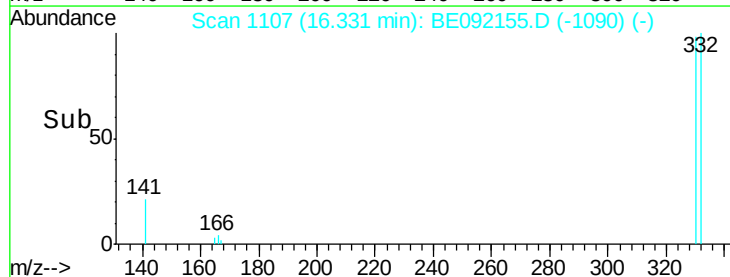
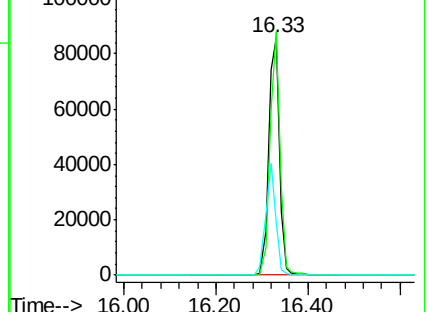
141 42.8 139.8 209.8#

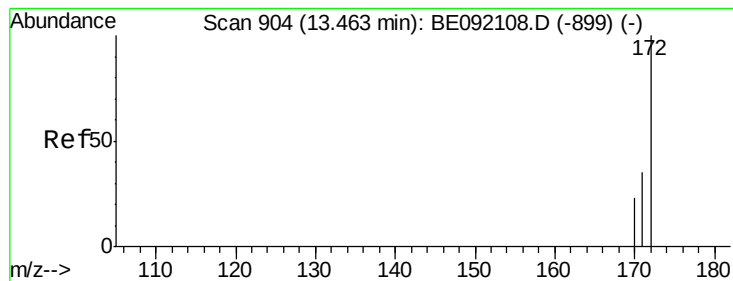


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 75.06 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

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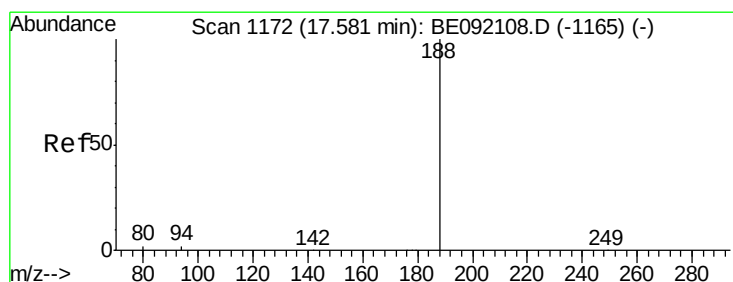
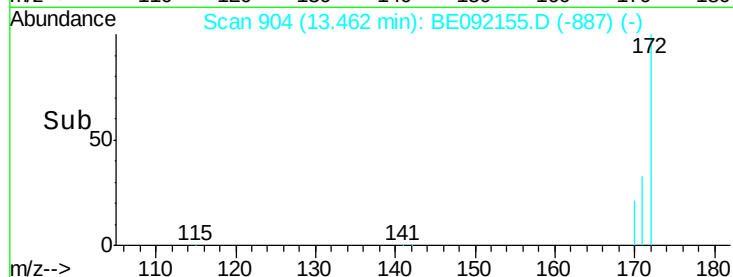
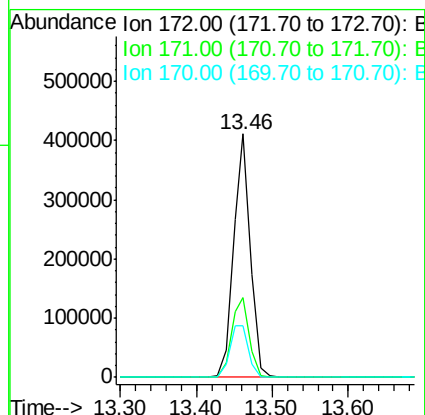
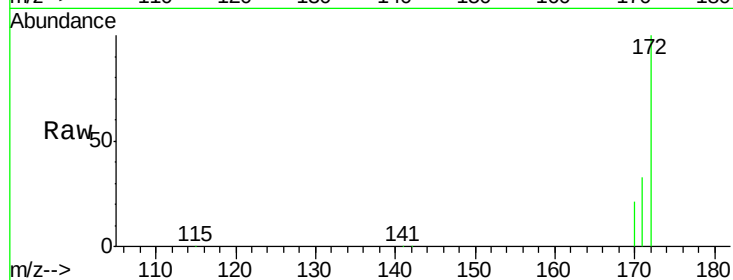
Tgt Ion:172 Resp: 640718

Ion Ratio Lower Upper

172 100

171 33.0 30.3 45.5

170 21.1 21.6 32.4#



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

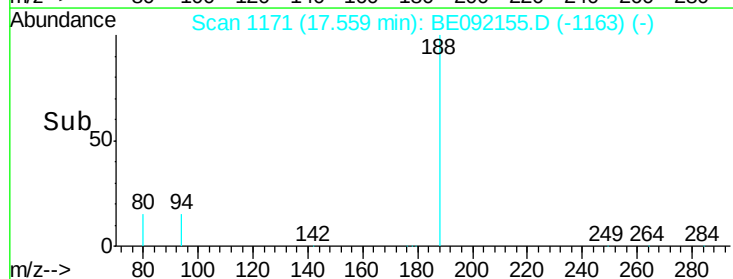
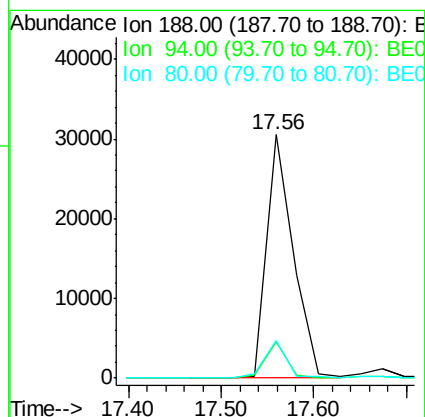
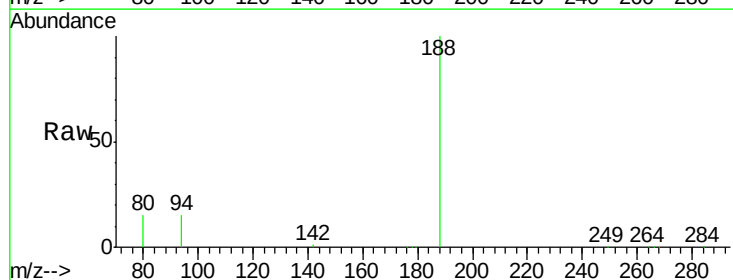
Tgt Ion:188 Resp: 61050

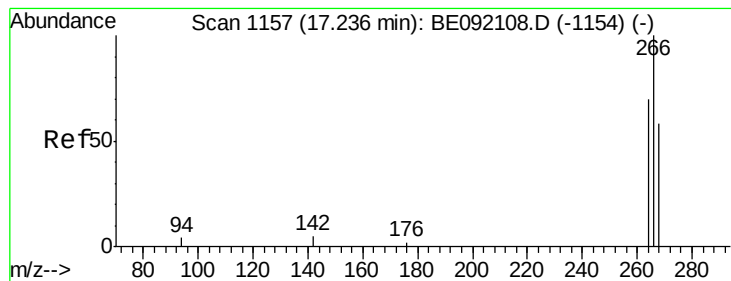
Ion Ratio Lower Upper

188 100

94 14.8 3.9 5.9#

80 15.5 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.23 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

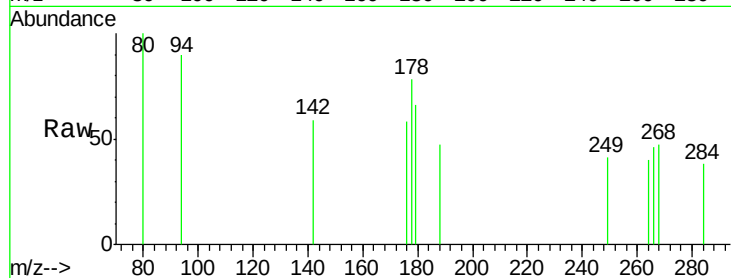
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

268 101.8 62.7 94.1#

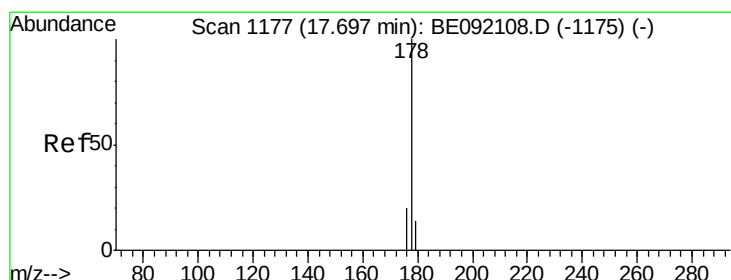
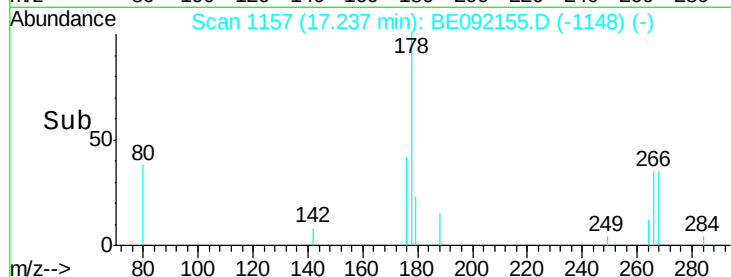
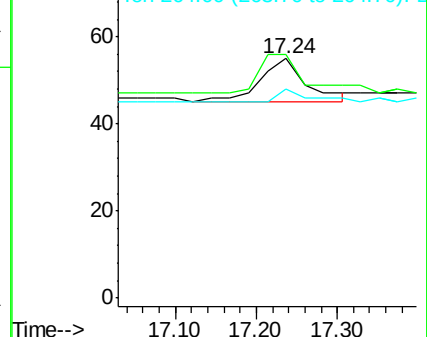
264 87.3 63.5 95.3



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



#20

Anthracene

Concen: 0.19 ng

RT: 17.70 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

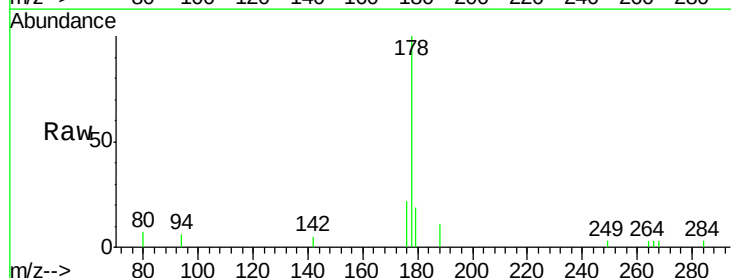
Tgt Ion:178 Resp: 3045

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

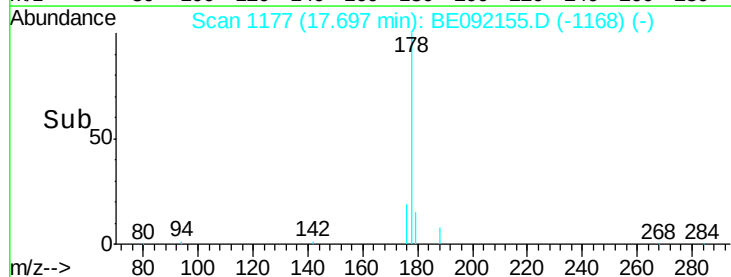
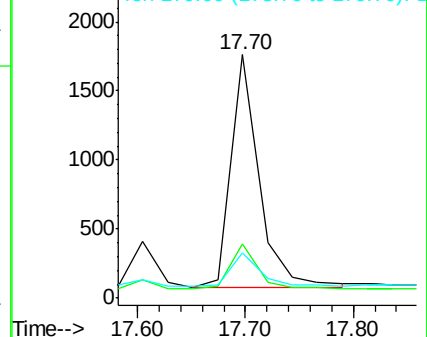
179 15.4 12.2 18.4

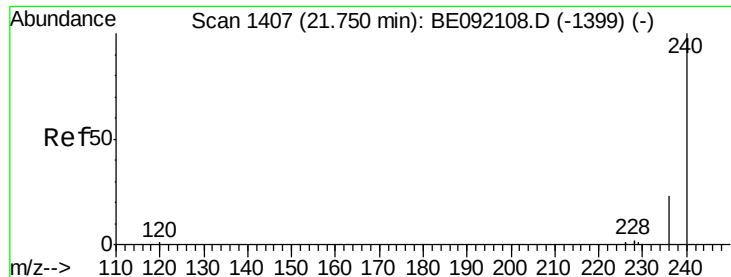


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

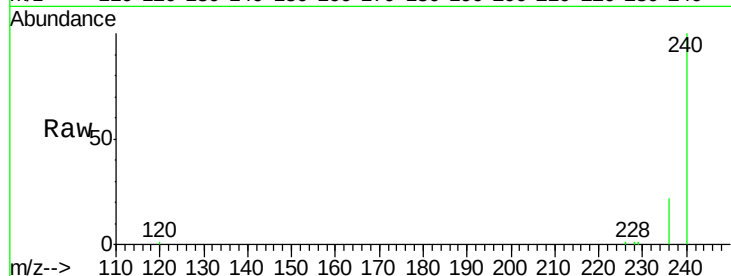
Tgt Ion:240 Resp: 76726

Ion Ratio Lower Upper

240 100

120 1.5 0.6 1.0#

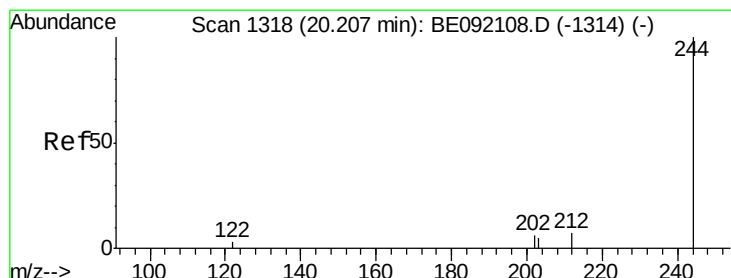
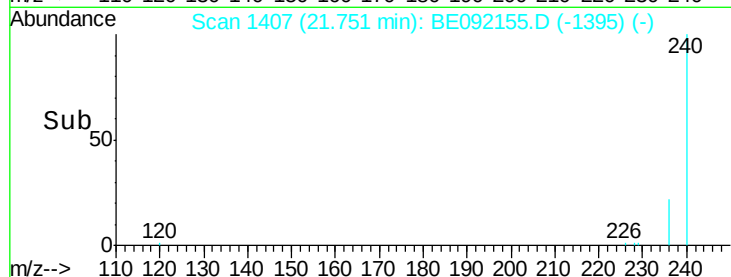
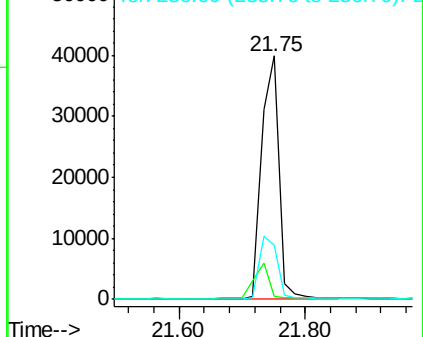
236 22.1 18.2 27.4



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



#24

Terphenyl-d14

Concen: 68.26 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

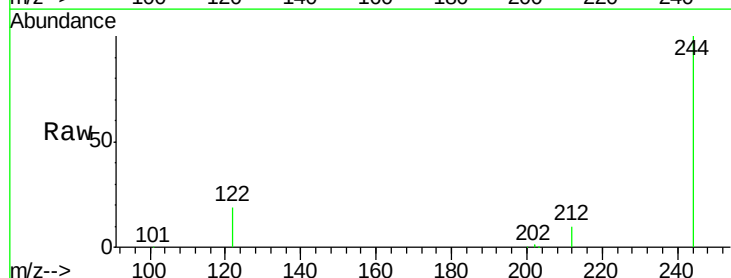
Tgt Ion:244 Resp: 752188

Ion Ratio Lower Upper

244 100

212 9.9 9.1 13.7

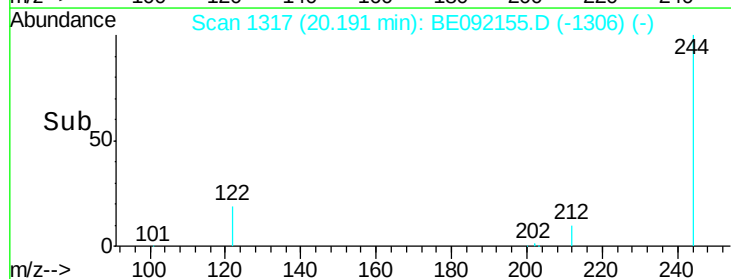
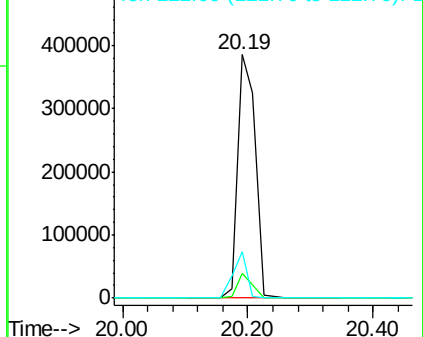
122 19.0 11.0 16.4#

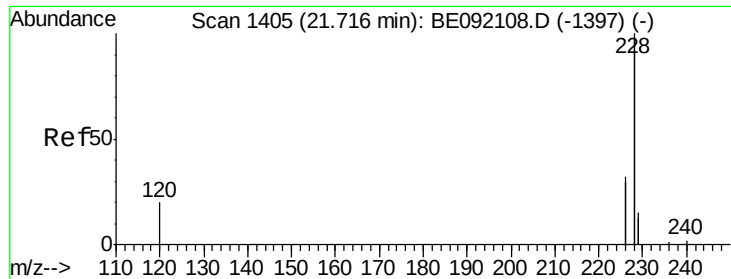


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.73 min Scan# 1406

Delta R.T. 0.02 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

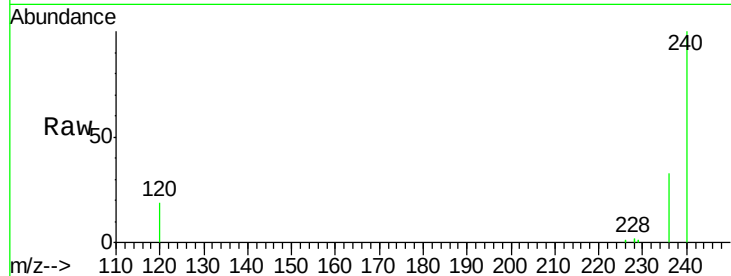
Tgt Ion:228 Resp: 2065

Ion Ratio Lower Upper

228 100

226 40.8 22.1 33.1#

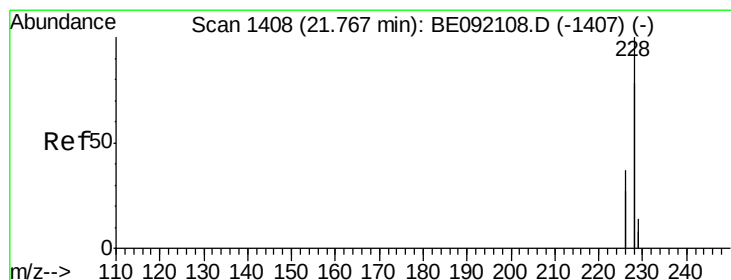
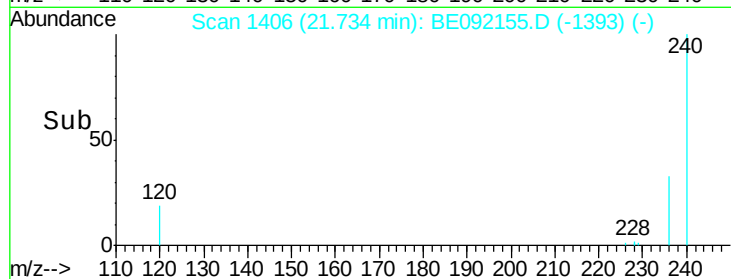
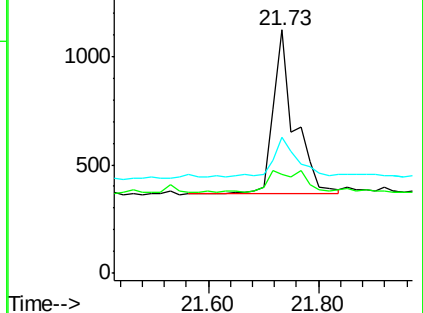
229 56.0 15.1 22.7#



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



#26

Chrysene

Concen: 0.02 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.03 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

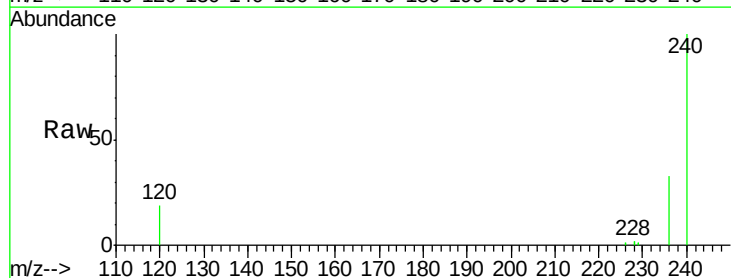
Tgt Ion:228 Resp: 2031

Ion Ratio Lower Upper

228 100

226 40.8 22.3 33.5#

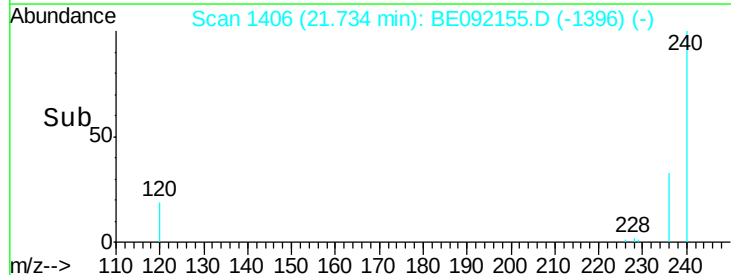
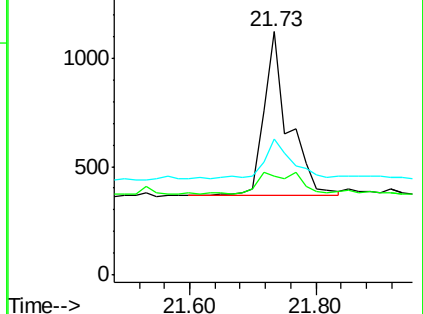
229 56.0 16.9 25.3#

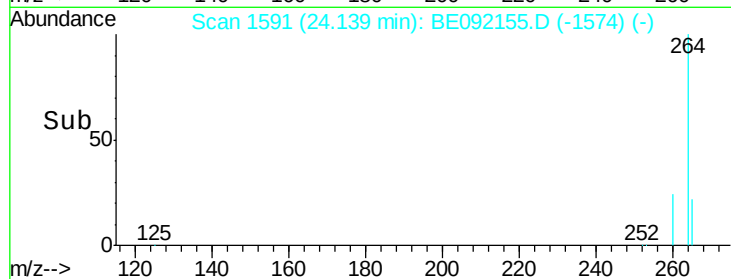
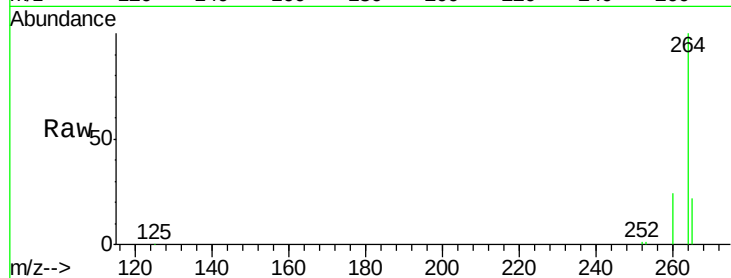
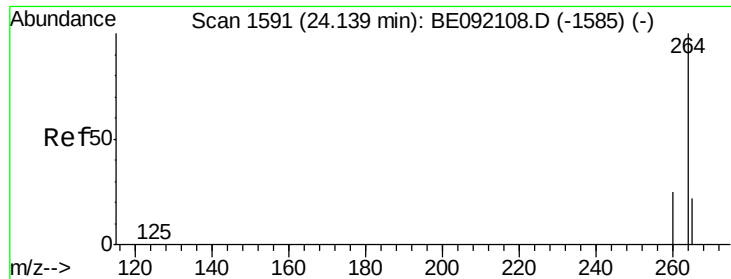


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092155.D

Acq: 3 Aug 2016 21:22

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0

Tgt Ion:264 Resp: 75537

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.1 16.6 25.0

