

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092153.D
 Acq On : 3 Aug 2016 20:07
 Operator : UM/SJ
 Sample : H4176-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-29-5.9-15.0

Quant Time: Aug 04 03:57:16 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	10881	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	49189	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	28981	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	62835	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	85894	5.00	ng	0.00
28) Perylene-d12	24.14	264	85517	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	206539	73.91	ng	0.00
5) Phenol-d6	7.34	99	194641	52.28	ng	-0.01
7) Nitrobenzene-d5	9.34	82	327433	84.36	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	142326	151.24	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	616213	67.10	ng	0.00
24) Terphenyl-d14	20.21	244	827055	67.05	ng	0.00

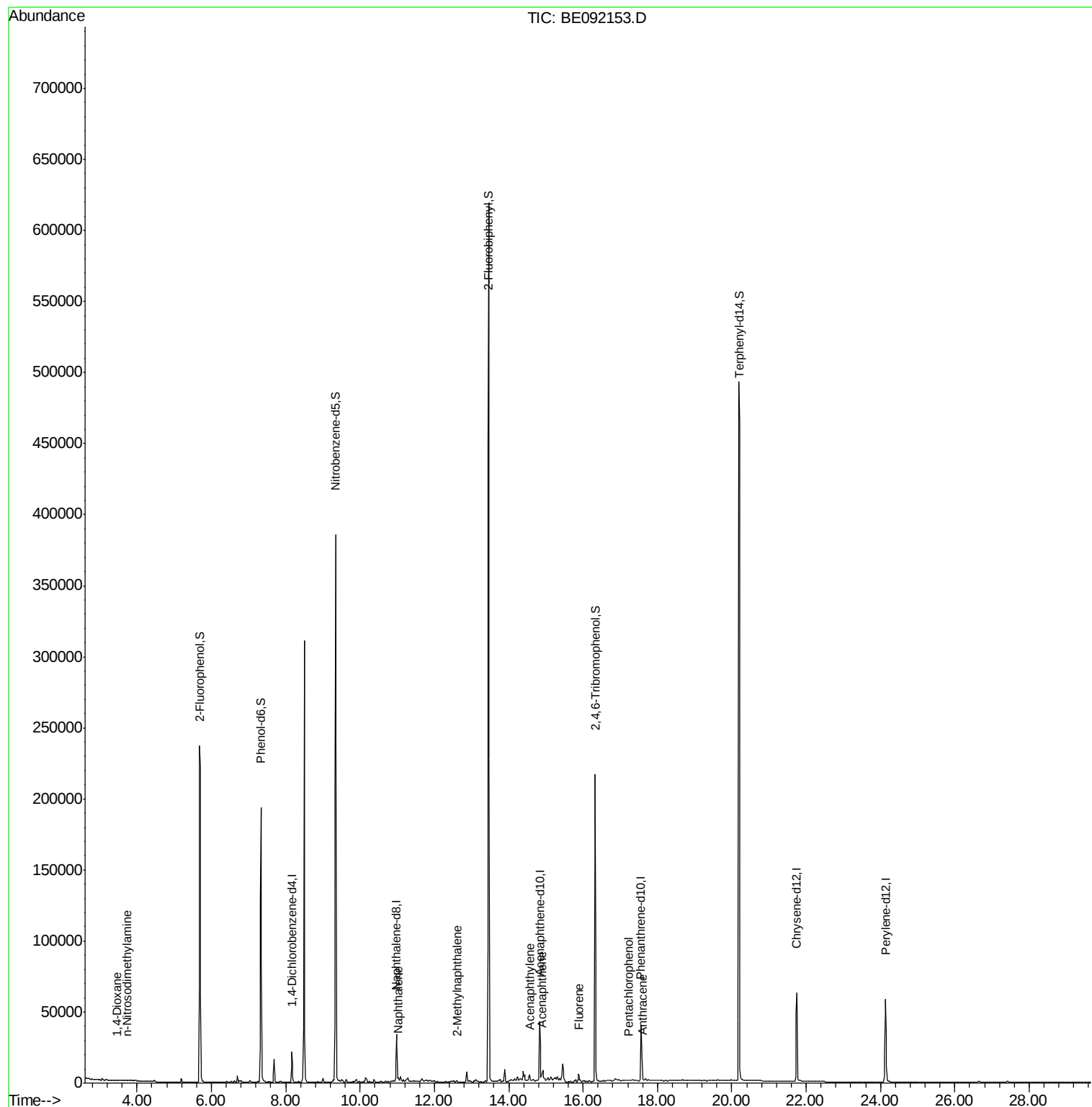
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	43	0.03	ng	# 1
3) n-Nitrosodimethylamine	3.72	42	126	0.15	ng	# 10
8) Naphthalene	11.03	128	1997	0.18	ng	# 1
9) 2-Methylnaphthalene	12.61	142	272	0.05	ng	# 1
13) Acenaphthylene	14.56	152	3833	0.07	ng	# 1
14) Acenaphthene	14.90	154	1578	0.19	ng	# 1
15) Fluorene	15.88	166	4079	0.39	ng	# 81
18) Pentachlorophenol	17.24	266	57	0.24	ng	# 82
19) Phenanthrene	17.60	178	601	Below Cal		# 76
20) Anthracene	17.60	178	601	0.04	ng	# 77
30) Benzo(k)fluoranthene	23.40	252	86	Below Cal		# 1

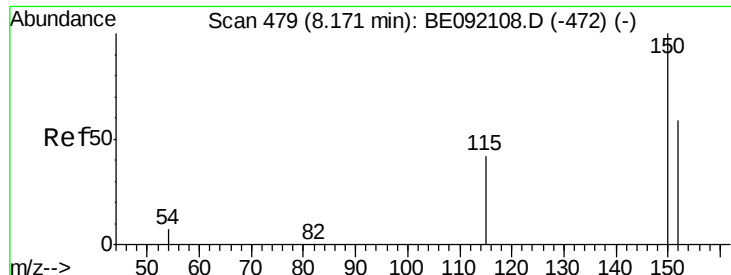
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
Data File : BE092153.D
Acq On : 3 Aug 2016 20:07
Operator : UM/SJ
Sample : H4176-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-29-5.9-15.0

Quant Time: Aug 04 03:57:16 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

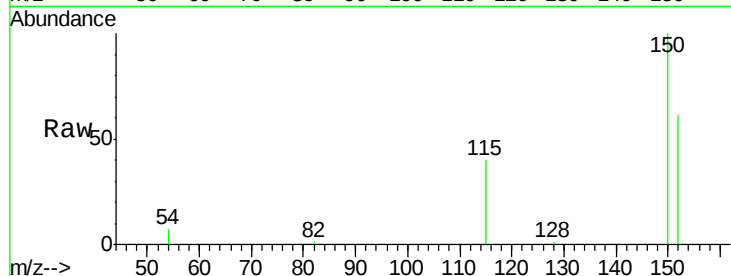




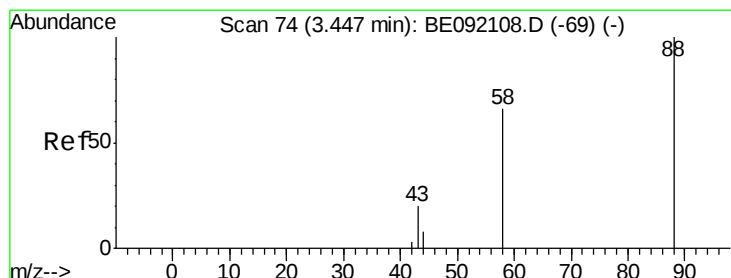
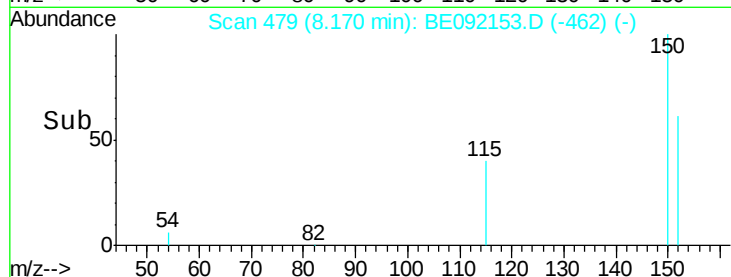
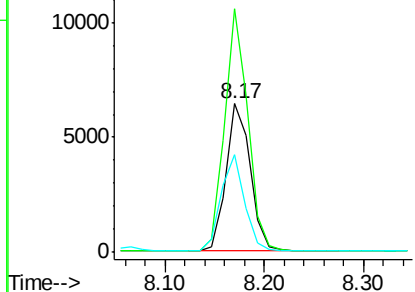
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

Instrument :
 BNA_E
 ClientSampleId :
 GW-29-5.9-15.0

Tgt Ion: 152 Resp: 10881
 Ion Ratio Lower Upper
 152 100
 150 163.6 106.0 159.0#
 115 66.0 36.9 55.3#

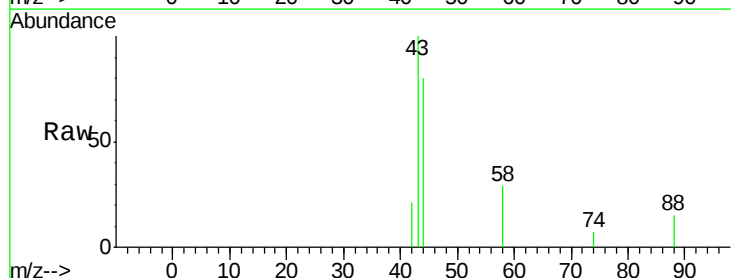


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

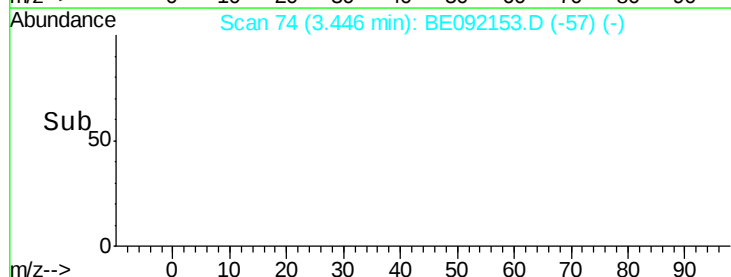
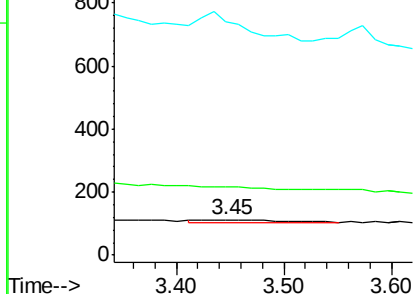


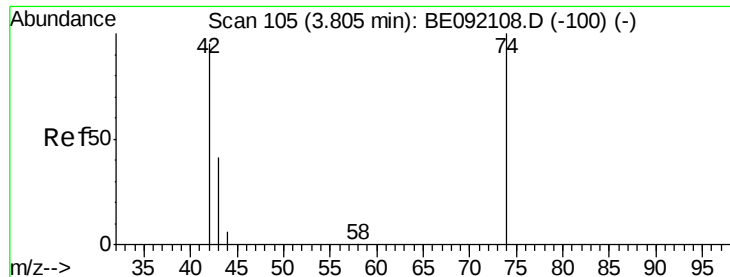
#2
 1,4-Dioxane
 Concen: 0.03 ng
 RT: 3.45 min Scan# 74
 Delta R.T. -0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

Tgt Ion: 88 Resp: 43
 Ion Ratio Lower Upper
 88 100
 58 0.0 62.1 93.1#
 43 590.7 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: 0.15 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

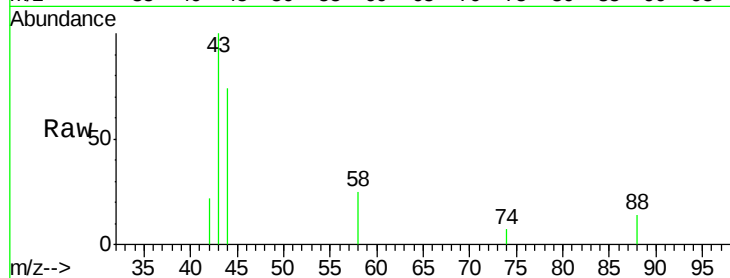
Tgt Ion: 42 Resp: 126

Ion Ratio Lower Upper

42 100

74 4.8 82.8 124.2#

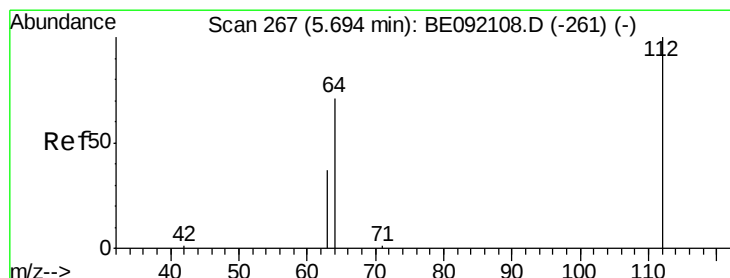
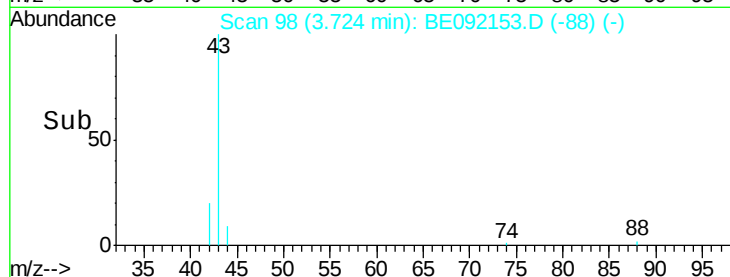
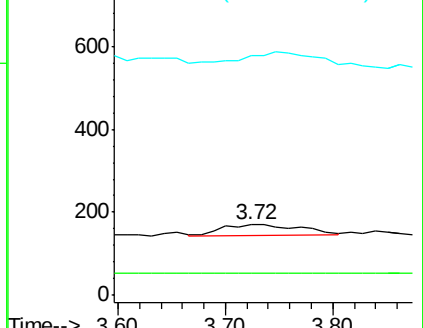
44 0.0 9.0 13.4#



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: 73.91 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

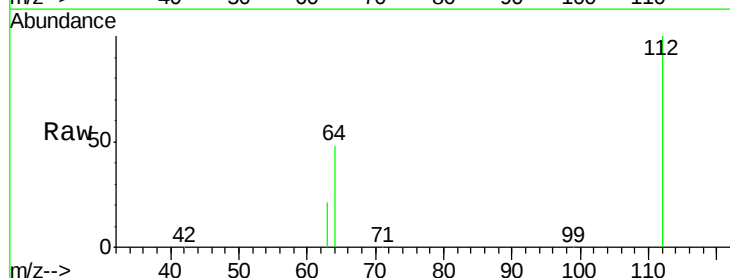
Tgt Ion: 112 Resp: 206539

Ion Ratio Lower Upper

112 100

64 68.4 55.9 83.9

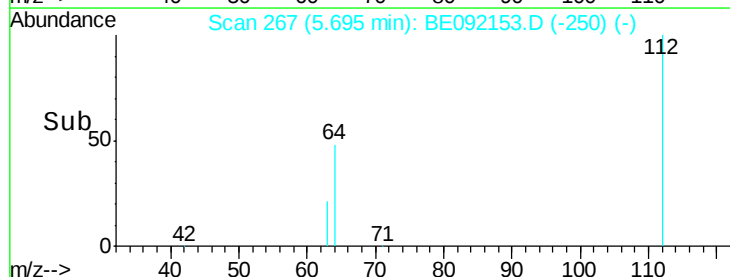
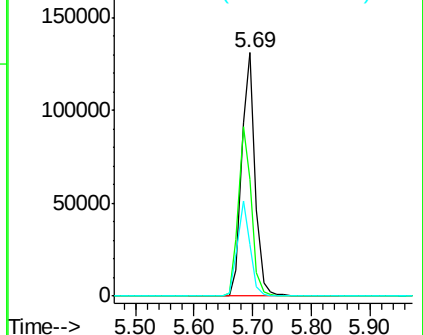
63 37.1 31.1 46.7

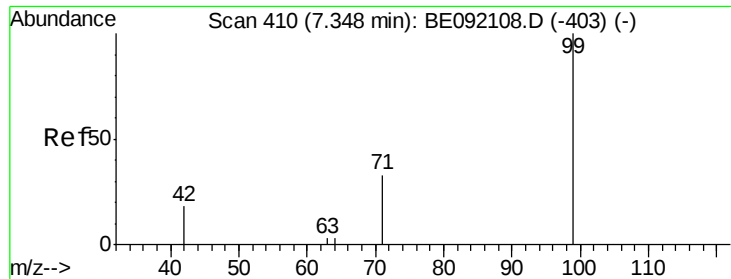


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 52.28 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

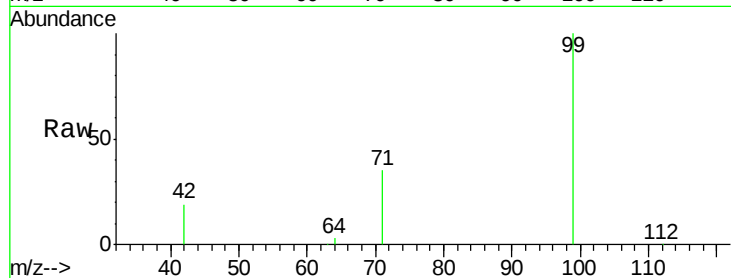
Tgt Ion: 99 Resp: 194641

Ion Ratio Lower Upper

99 100

42 25.2 22.4 33.6

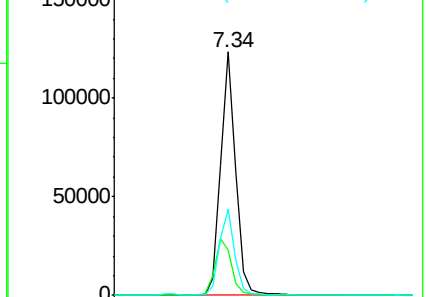
71 36.0 28.9 43.3



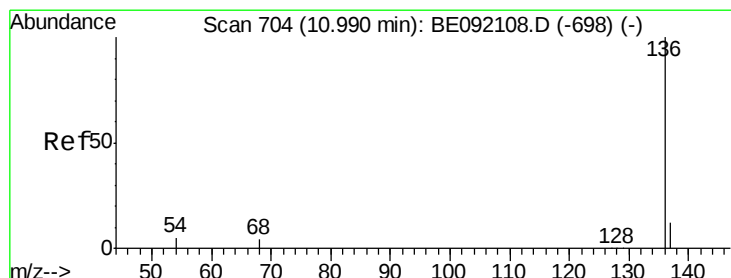
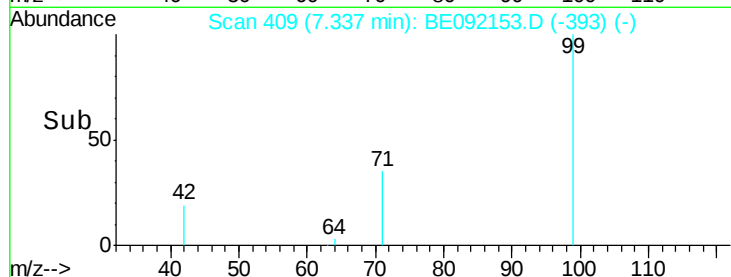
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Tgt Ion: 136 Resp: 49189

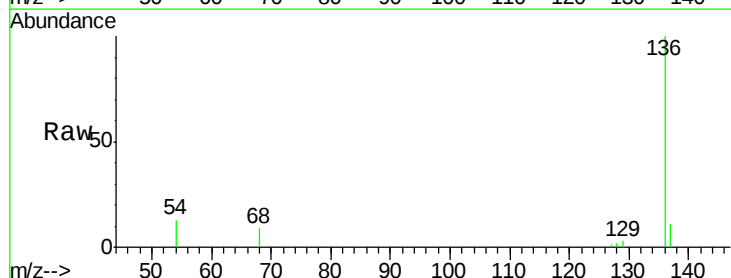
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 12.7 2.7 4.1#

68 9.5 2.2 3.4#

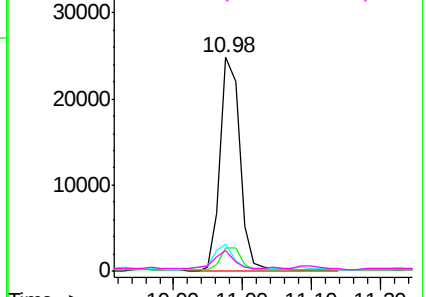


Abundance Ion 136.00 (135.70 to 136.70): E

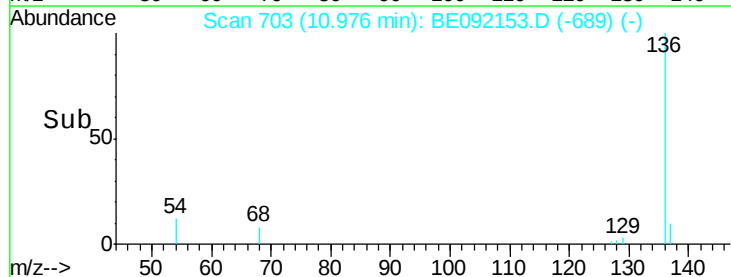
Ion 137.00 (136.70 to 137.70): E

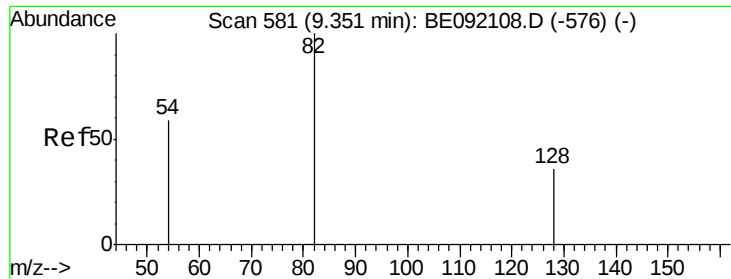
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#7

Nitrobenzene-d5

Concen: 84.36 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

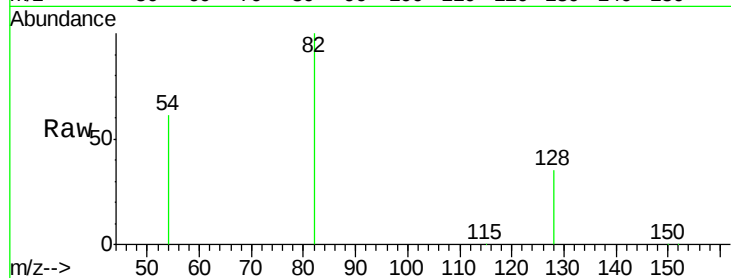
Tgt Ion: 82 Resp: 327433

Ion Ratio Lower Upper

82 100

128 35.2 33.0 49.4

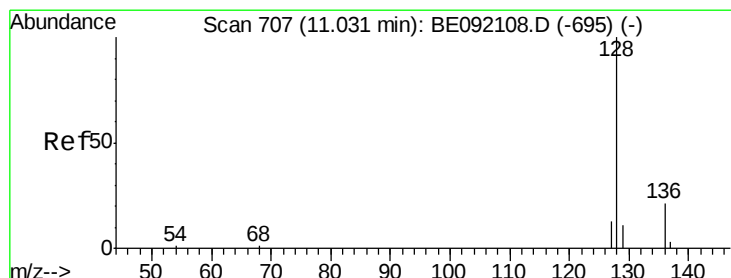
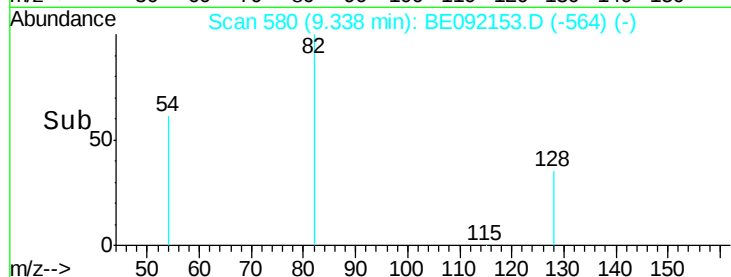
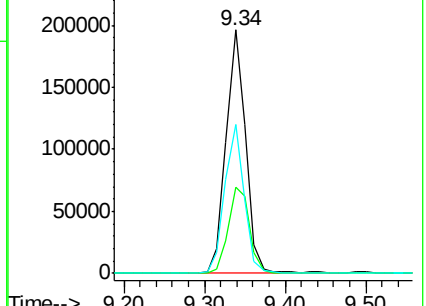
54 61.3 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Naphthalene

Concen: 0.18 ng

RT: 11.03 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

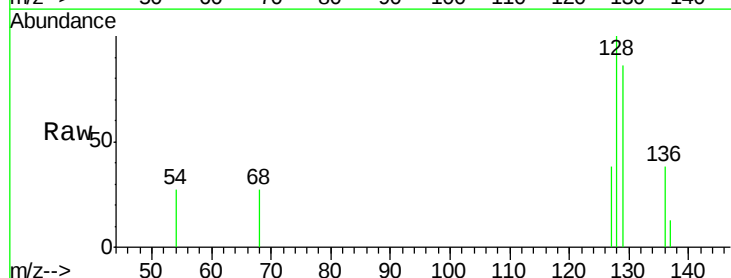
Tgt Ion: 128 Resp: 1997

Ion Ratio Lower Upper

128 100

129 85.9 11.1 16.7#

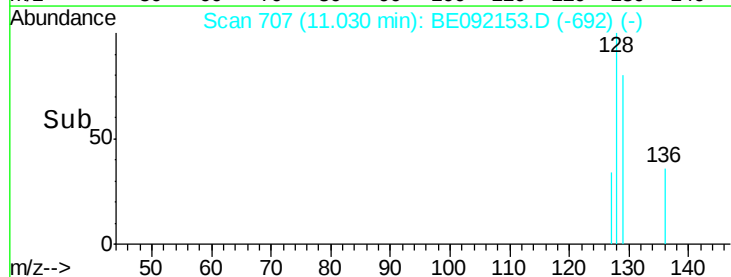
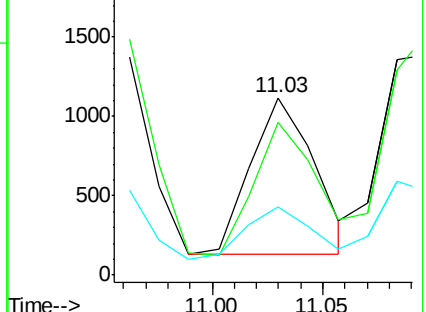
127 38.5 11.3 16.9#

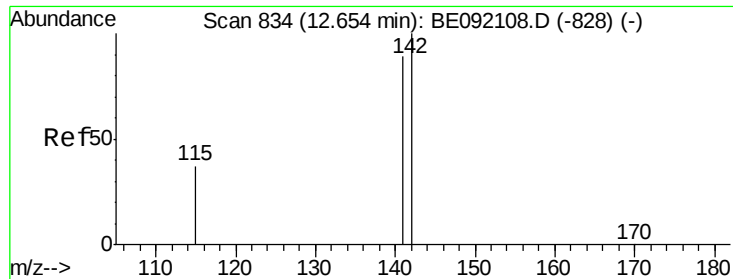


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#9

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.61 min Scan# 830

Delta R.T. -0.05 min

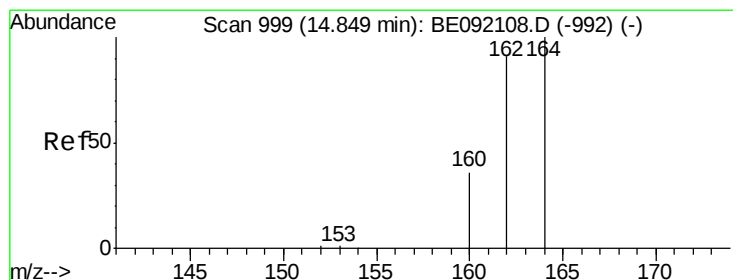
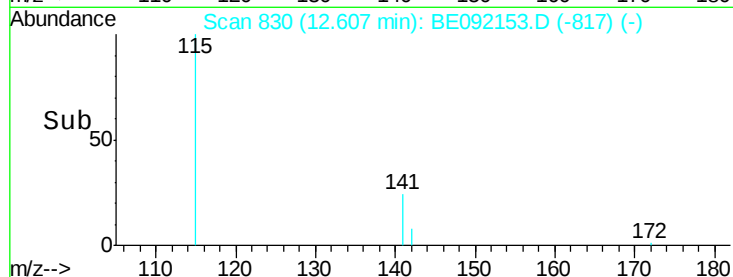
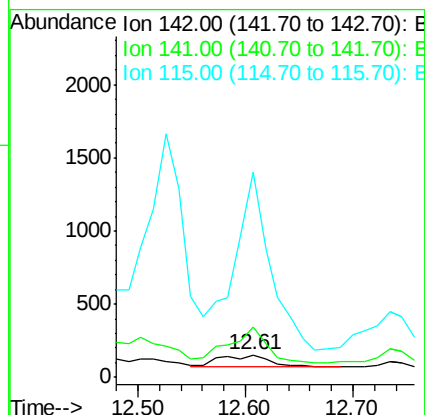
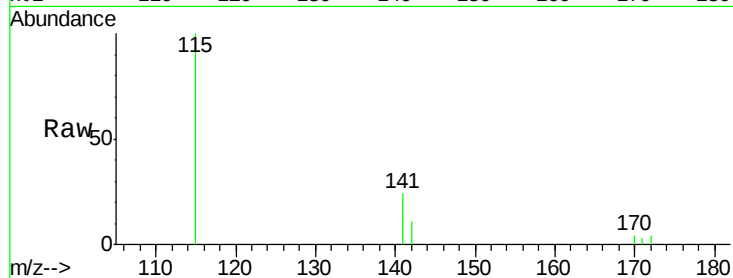
Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :
BNA_E
ClientSampleId :
GW-29-5.9-15.0

Tgt Ion:142 Resp: 272

Ion	Ratio	Lower	Upper
142	100		
141	221.3	65.1	97.7#
115	905.8	27.0	40.4#



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

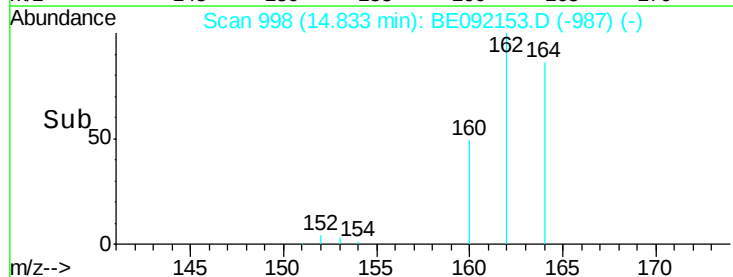
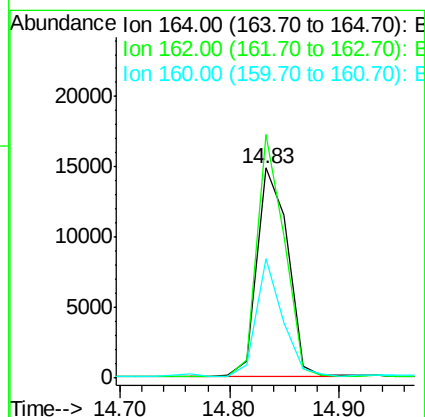
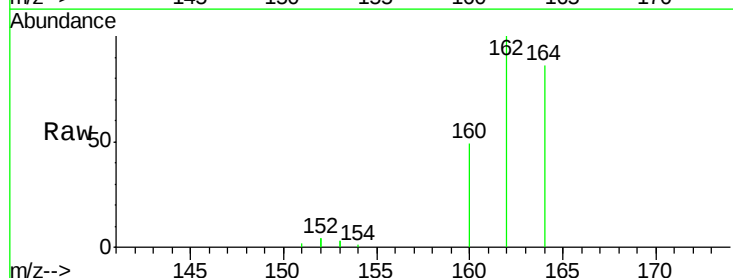
Delta R.T. -0.02 min

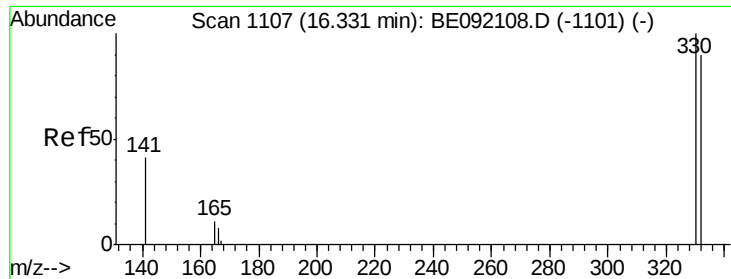
Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Tgt Ion:164 Resp: 28981

Ion	Ratio	Lower	Upper
164	100		
162	115.8	69.5	104.3#
160	57.1	27.6	41.4#

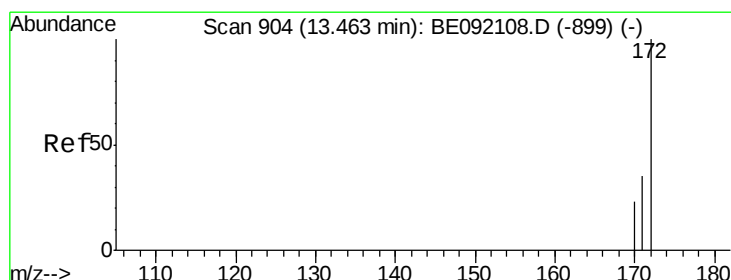
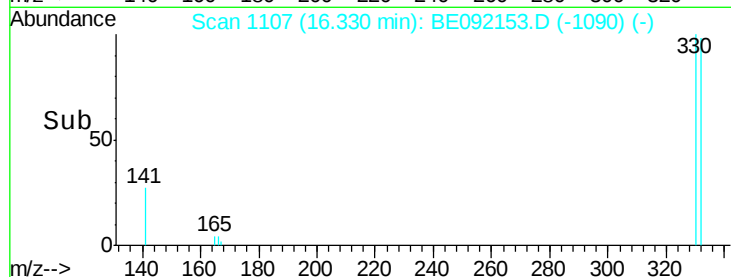
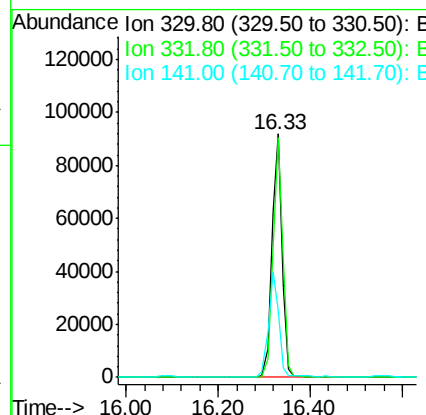
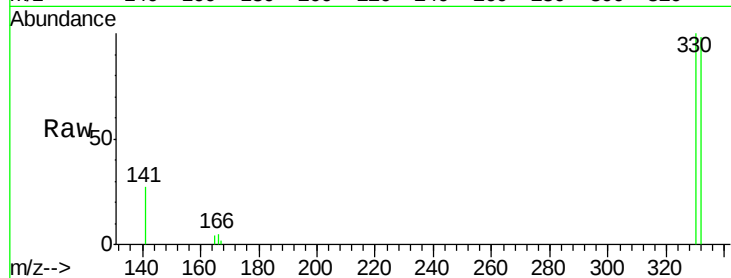




#11
 2,4,6-Tribromophenol
 Concen: 151.24 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

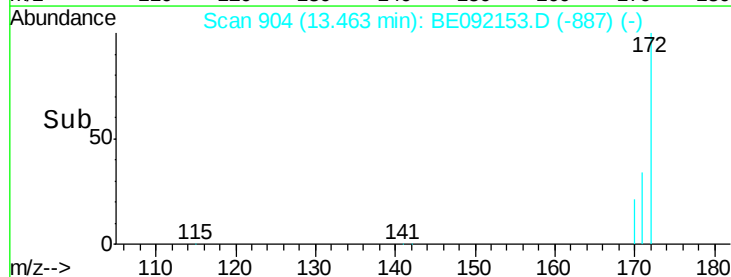
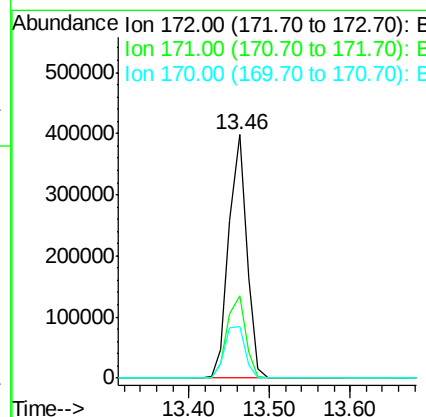
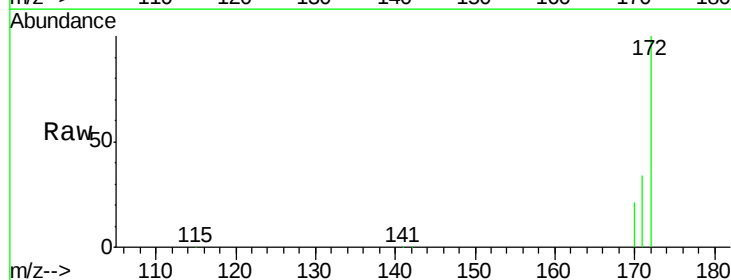
Instrument :
 BNA_E
 ClientSampleId :
 GW-29-5.9-15.0

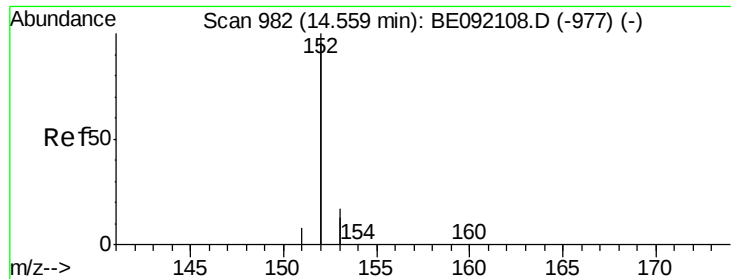
Tgt Ion:330 Resp: 142326
 Ion Ratio Lower Upper
 330 100
 332 96.2 74.2 111.4
 141 43.7 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 67.10 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

Tgt Ion:172 Resp: 616213
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.3 45.5
 170 21.4 21.6 32.4#





#13

Acenaphthylene

Concen: 0.07 ng

RT: 14.56 min Scan# 982

Delta R.T. 0.00 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

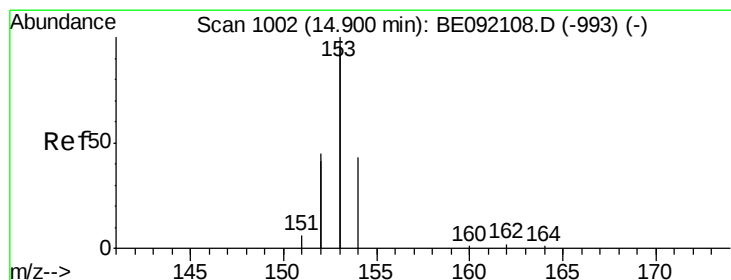
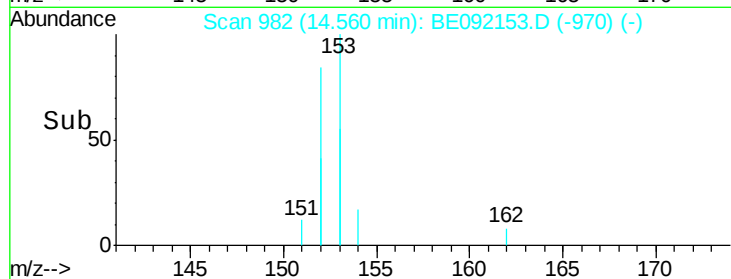
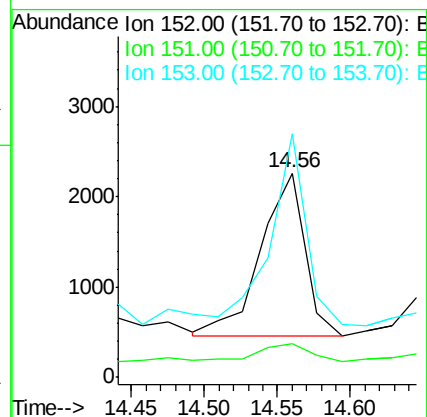
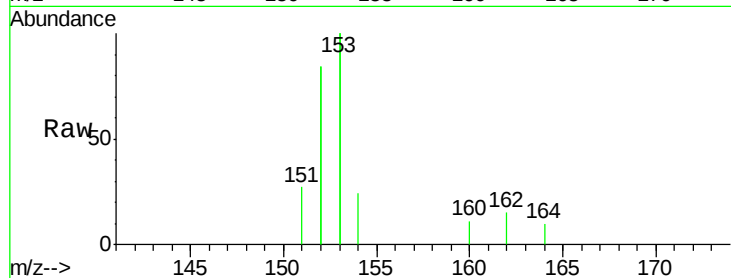
Tgt Ion:152 Resp: 3833

Ion Ratio Lower Upper

152 100

151 12.5 4.0 6.0#

153 96.4 9.6 14.4#



#14

Acenaphthene

Concen: 0.19 ng

RT: 14.90 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

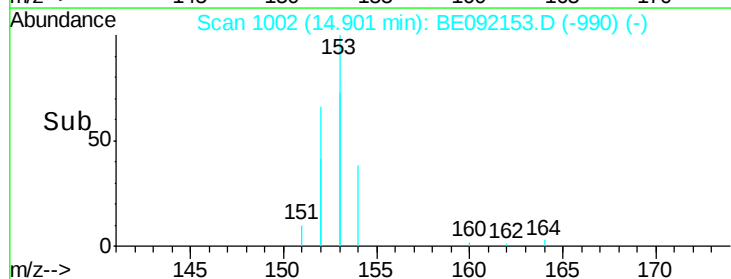
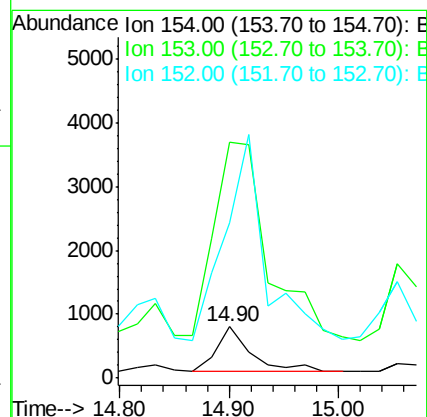
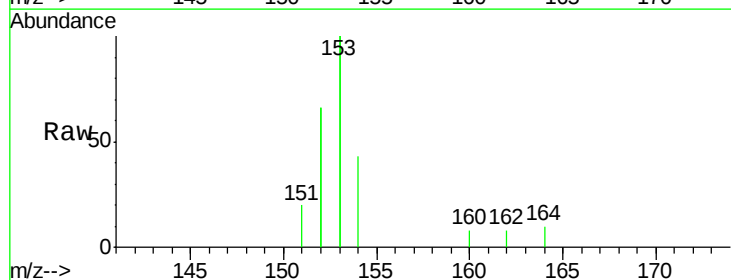
Tgt Ion:154 Resp: 1578

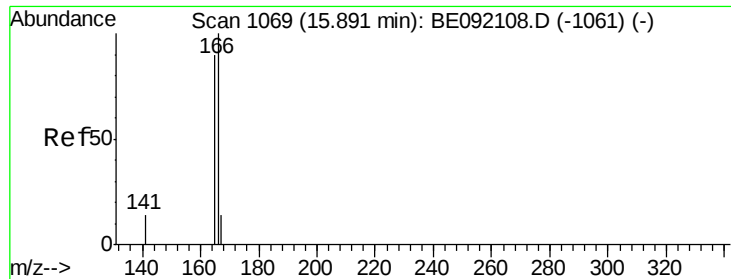
Ion Ratio Lower Upper

154 100

153 696.6 345.1 517.7#

152 527.6 0.0 0.0#





#15

Fluorene

Concen: 0.39 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

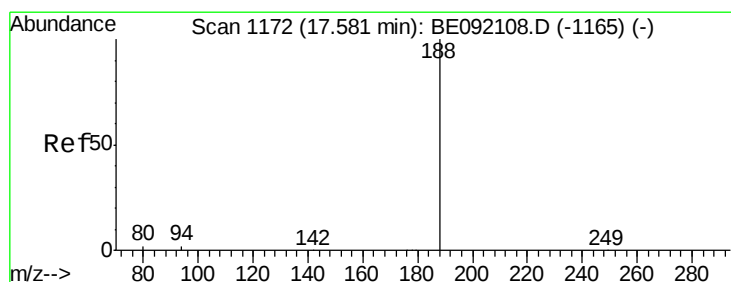
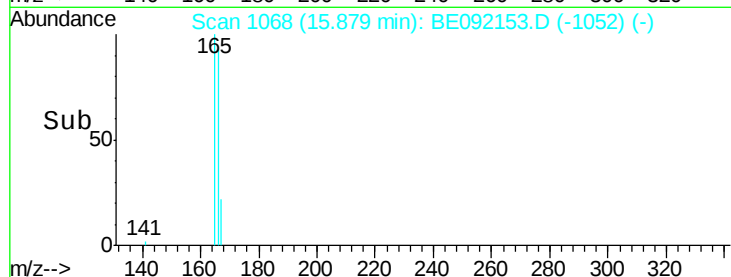
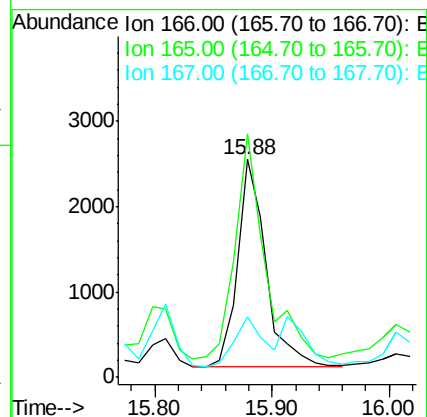
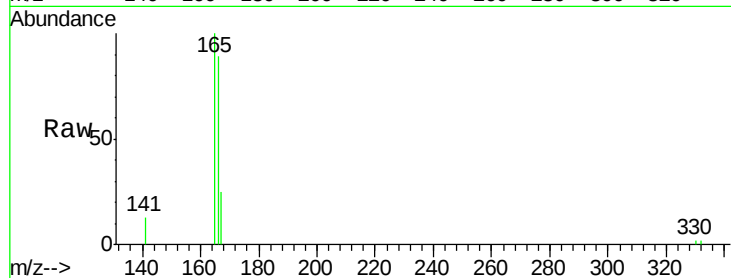
Tgt Ion:166 Resp: 4079

Ion Ratio Lower Upper

166 100

165 116.6 78.6 118.0

167 24.3 11.1 16.7#



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

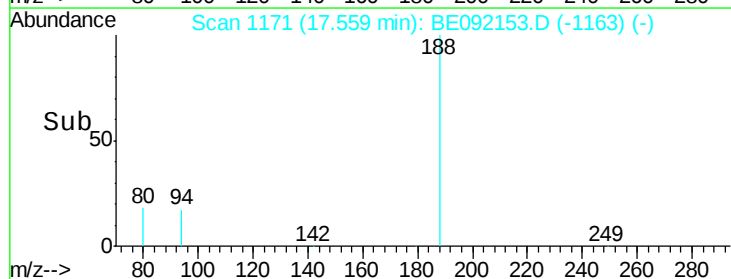
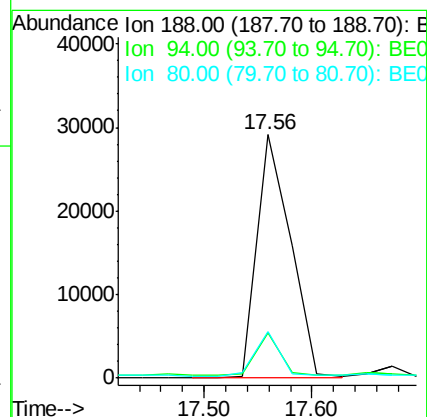
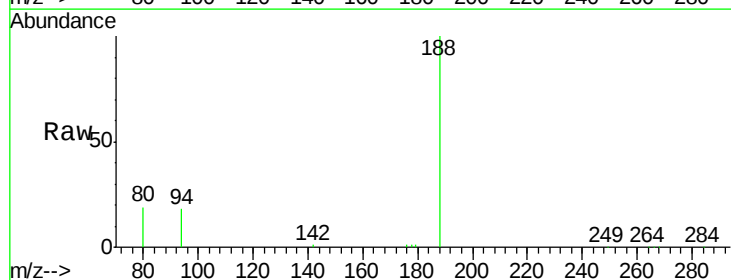
Tgt Ion:188 Resp: 62835

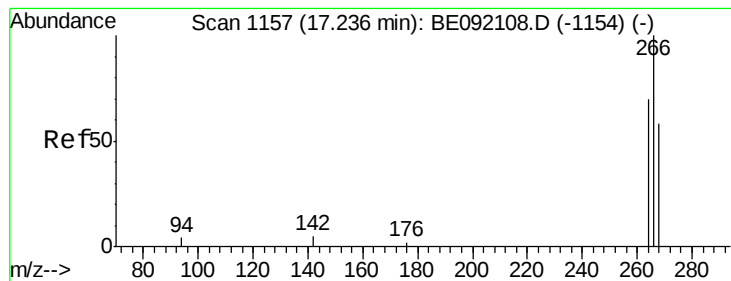
Ion Ratio Lower Upper

188 100

94 18.3 3.9 5.9#

80 19.0 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.24 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

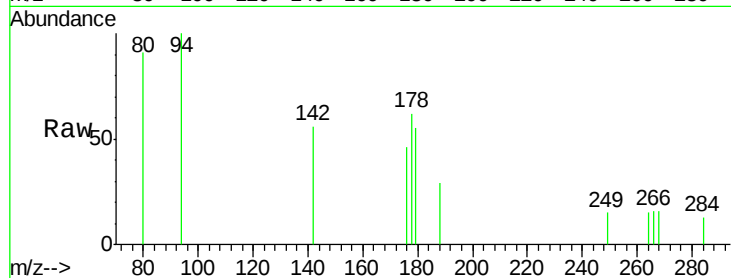
Tgt Ion:266 Resp: 57

Ion Ratio Lower Upper

266 100

268 98.2 62.7 94.1#

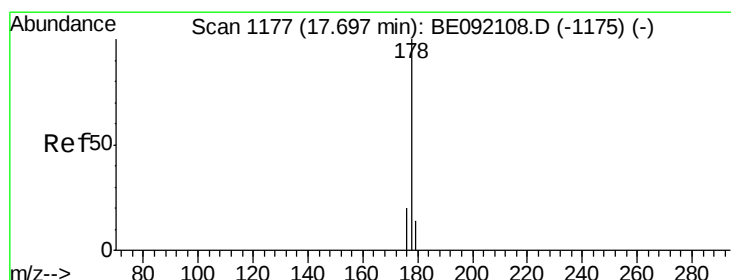
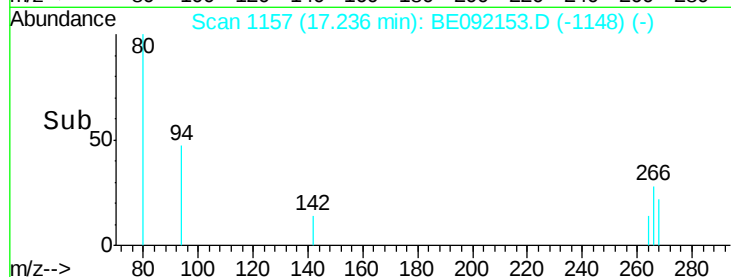
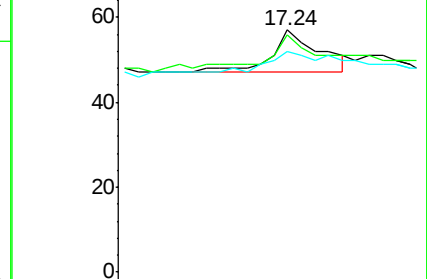
264 91.2 63.5 95.3



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: 0.04 ng

RT: 17.60 min Scan# 1173

Delta R.T. -0.09 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

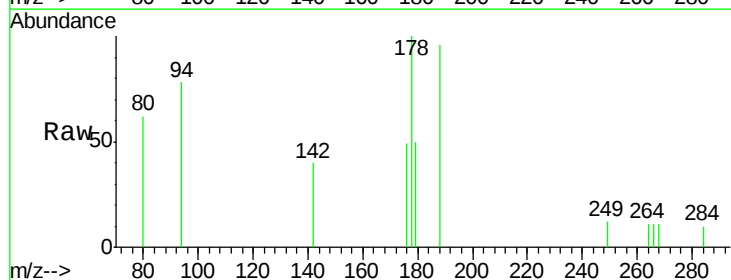
Tgt Ion:178 Resp: 601

Ion Ratio Lower Upper

178 100

176 24.6 15.2 22.8#

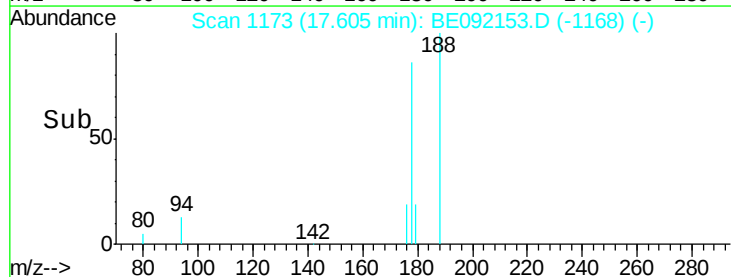
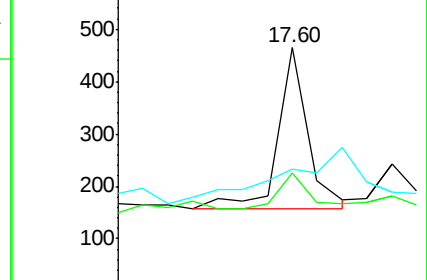
179 0.0 12.2 18.4#

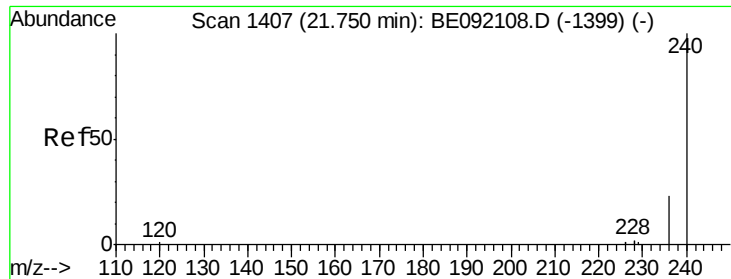


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

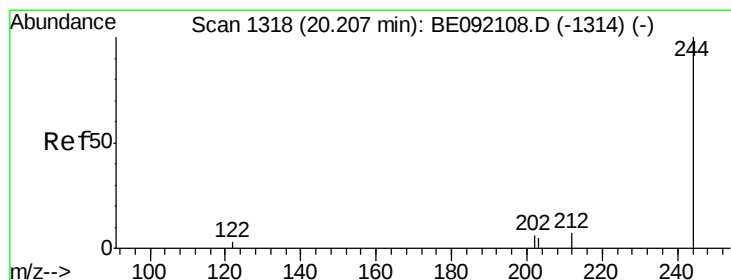
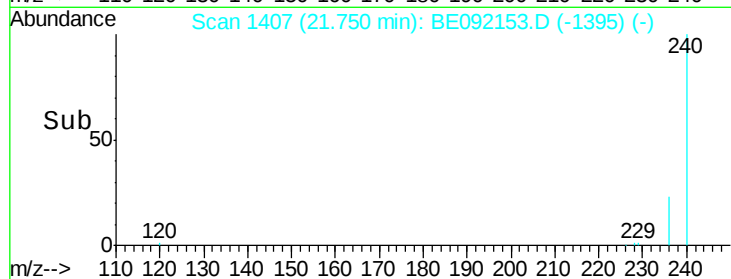
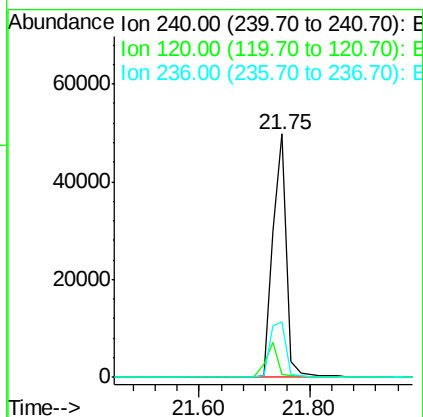
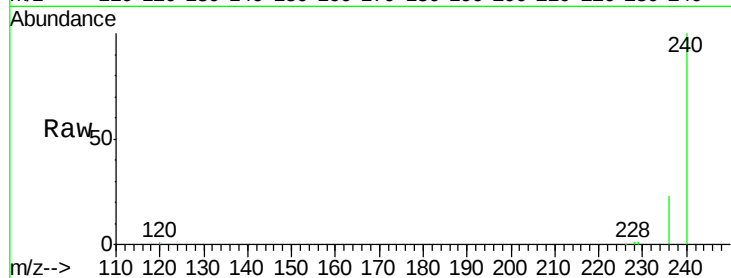




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092153.D
Acq: 3 Aug 2016 20:07

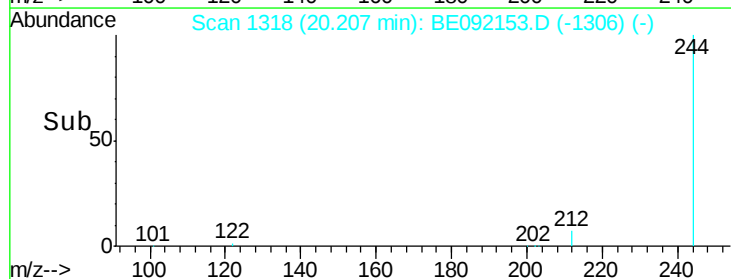
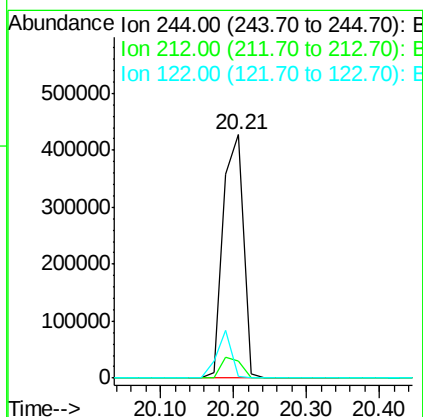
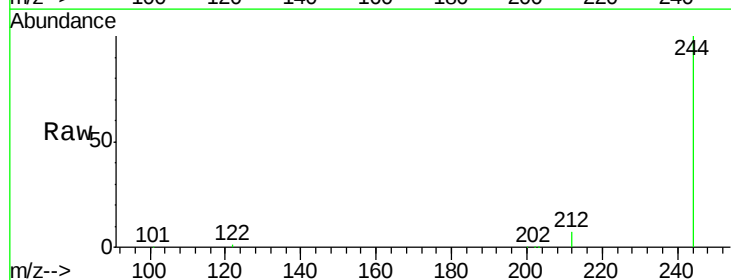
Instrument :
BNA_E
ClientSampleId :
GW-29-5.9-15.0

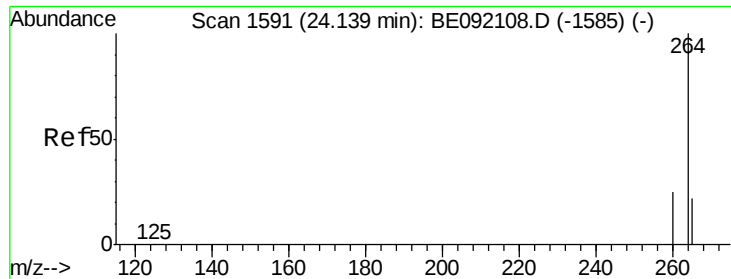
Tgt Ion:240 Resp: 85894
Ion Ratio Lower Upper
240 100
120 1.4 0.6 1.0#
236 23.0 18.2 27.4



#24
Terphenyl-d14
Concen: 67.05 ng
RT: 20.21 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BE092153.D
Acq: 3 Aug 2016 20:07

Tgt Ion:244 Resp: 827055
Ion Ratio Lower Upper
244 100
212 7.2 9.1 13.7#
122 0.8 11.0 16.4#





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092153.D

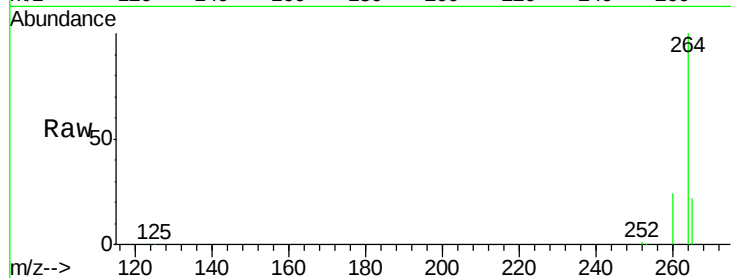
Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0



Tgt Ion:264 Resp: 85517

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.3 16.6 25.0

