

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092206.D
 Acq On : 5 Aug 2016 6:26
 Operator : UM/SJ
 Sample : H4288-19
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-62-8.0-15.0

Quant Time: Aug 05 07:44:16 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

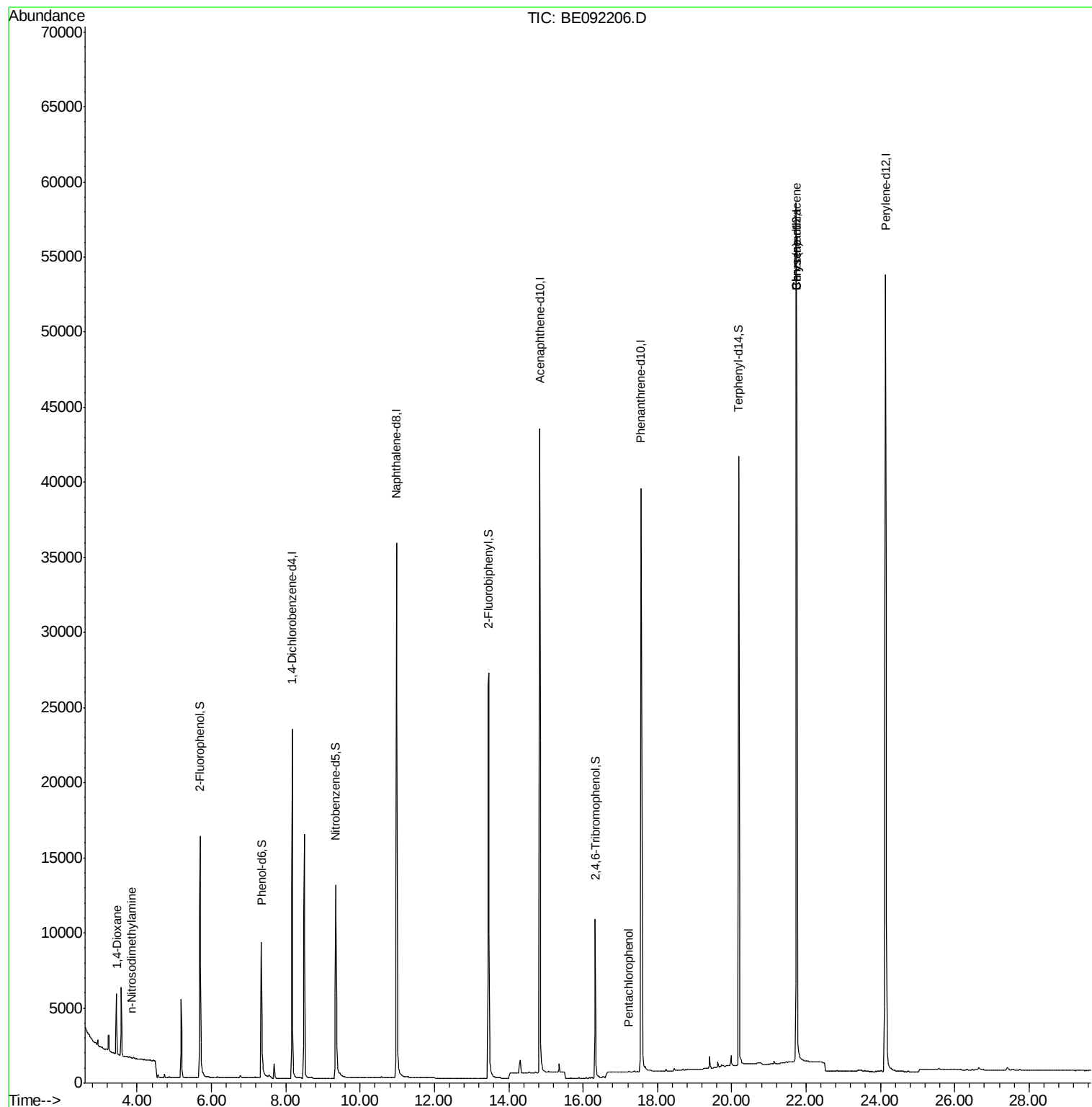
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11987	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	54458	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29292	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	67673	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	80117	5.00	ng	-0.02
28) Perylene-d12	24.14	264	83689	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	14224	4.62	ng	0.00
5) Phenol-d6	7.35	99	12282	2.99	ng	0.00
7) Nitrobenzene-d5	9.34	82	14771	3.44	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8048	8.46	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	33384	3.60	ng	0.00
24) Terphenyl-d14	20.19	244	48602	4.22	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	2435	1.49	ng	# 85
3) n-Nitrosodimethylamine	3.85	42	6	0.09	ng	# 1
8) Naphthalene	11.03	128	102	Below Cal		# 1
18) Pentachlorophenol	17.23	266	21	0.21	ng	# 81
19) Phenanthrene	17.60	178	214	Below Cal		# 69
25) Benzo(a)anthracene	21.73	228	2010	0.02	ng	# 56
26) Chrysene	21.73	228	2010	0.02	ng	# 59
30) Benzo(k)fluoranthene	23.58	252	17	Below Cal		# 1

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092206.D
Acq On : 5 Aug 2016 6:26
Operator : UM/SJ
Sample : H4288-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-62-8.0-15.0

Quant Time: Aug 05 07:44:16 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: BE092206.D

Acq: 5 Aug 2016 6:26

Instrument :

BNA_E

ClientSampleId :

GW-62-8.0-15.0

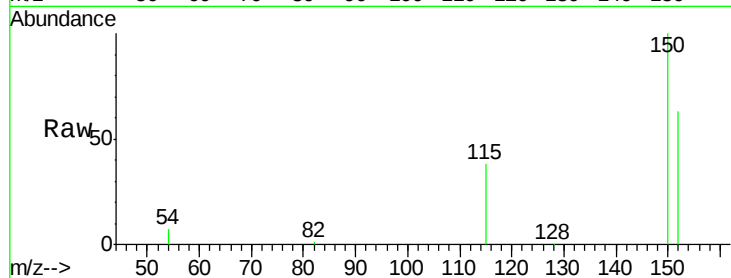
Tgt Ion:152 Resp: 11987

Ion Ratio Lower Upper

152 100

150 158.8 106.0 159.0

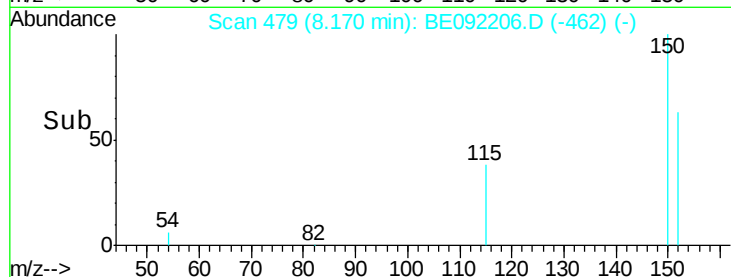
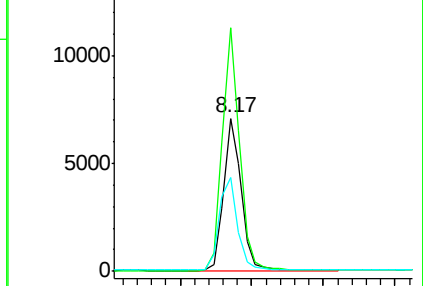
115 61.0 36.9 55.3#



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: 1.49 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

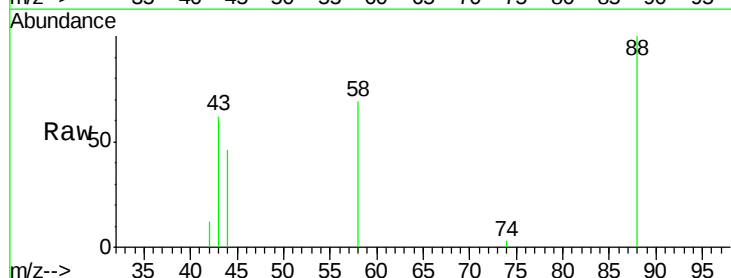
Tgt Ion: 88 Resp: 2435

Ion Ratio Lower Upper

88 100

58 88.0 62.1 93.1

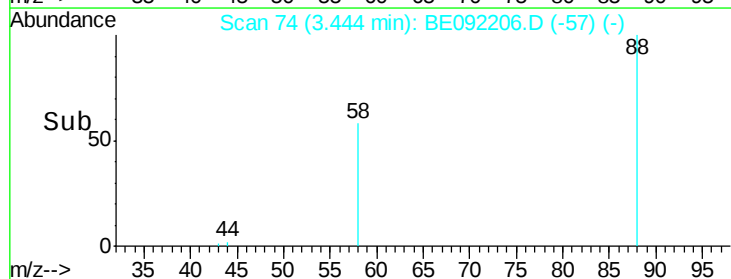
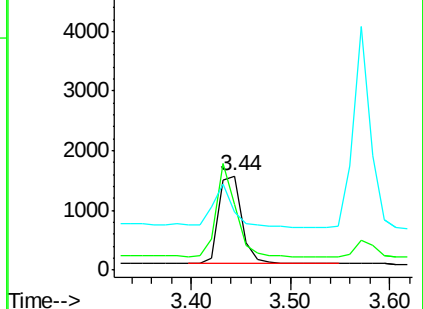
43 46.3 27.2 40.8#

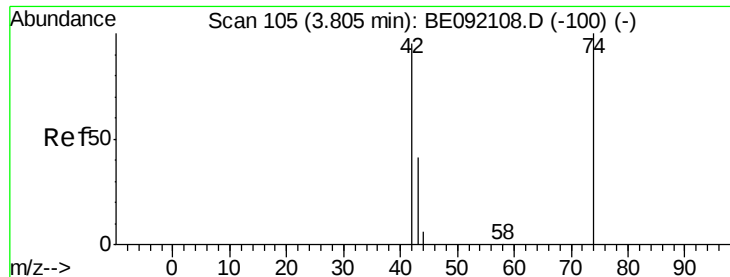


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



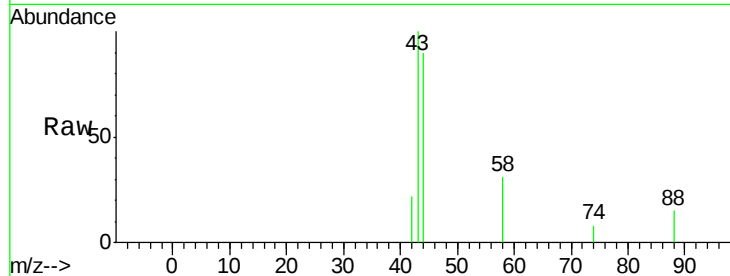


#3

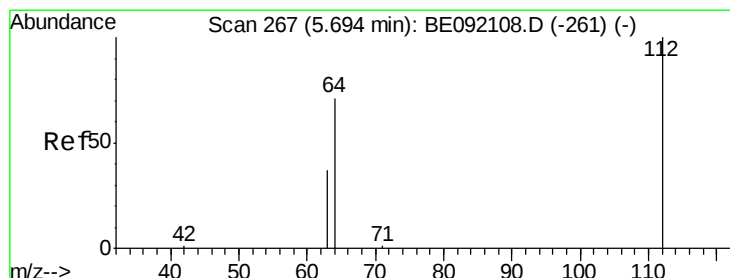
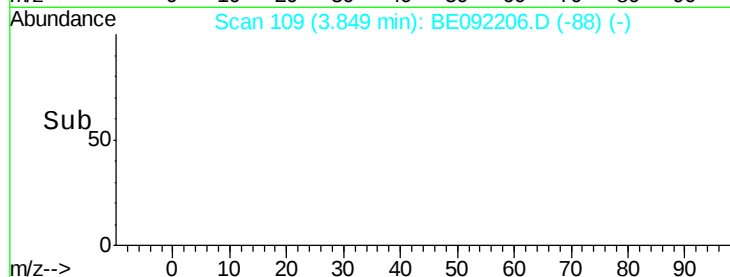
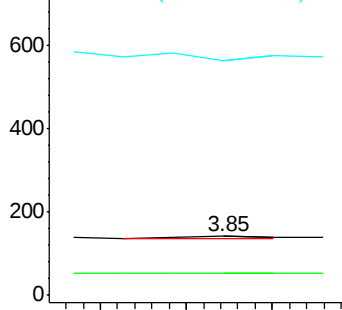
n-Nitrosodimethylamine
 Concen: 0.09 ng
 RT: 3.85 min Scan# 109
 Delta R.T. 0.04 min
 Lab File: BE092206.D
 Acq: 5 Aug 2016 6:26

Instrument :
 BNA_E
 ClientSampleId :
 GW-62-8.0-15.0

Tgt Ion: 42 Resp: 6
 Ion Ratio Lower Upper
 42 100
 74 50.0 82.8 124.2#
 44 783.3 9.0 13.4#



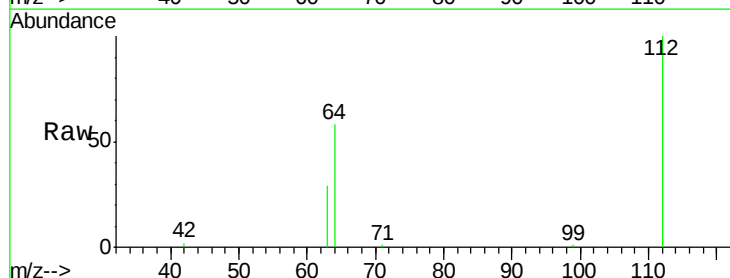
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



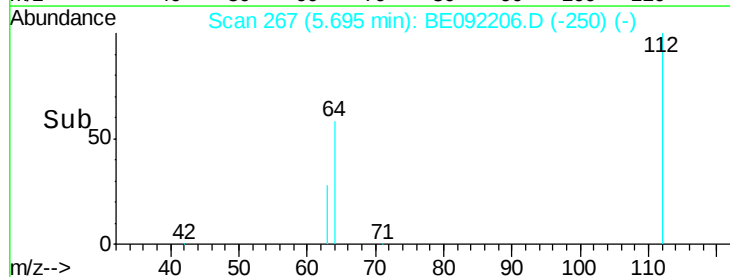
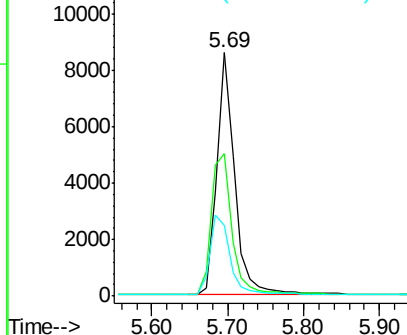
#4

2-Fluorophenol
 Concen: 4.62 ng
 RT: 5.69 min Scan# 267
 Delta R.T. 0.00 min
 Lab File: BE092206.D
 Acq: 5 Aug 2016 6:26

Tgt Ion: 112 Resp: 14224
 Ion Ratio Lower Upper
 112 100
 64 66.6 55.9 83.9
 63 36.5 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: 2.99 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

Instrument :

BNA_E

ClientSampleId :

GW-62-8.0-15.0

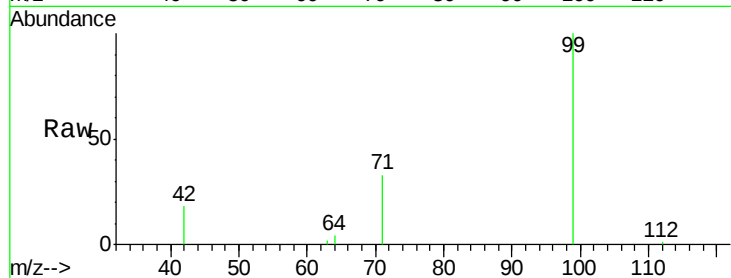
Tgt Ion: 99 Resp: 12282

Ion Ratio Lower Upper

99 100

42 25.3 22.4 33.6

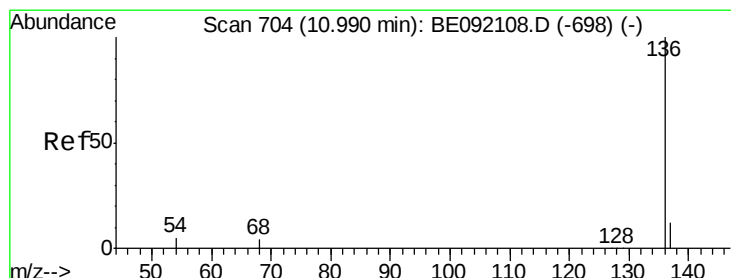
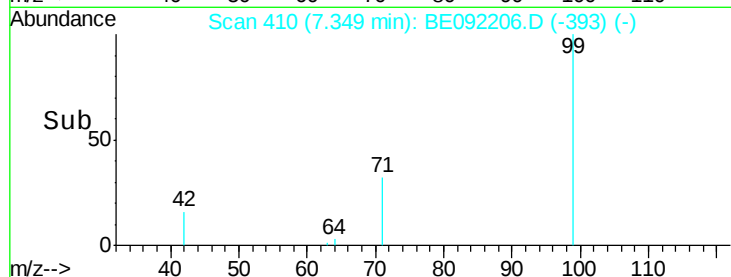
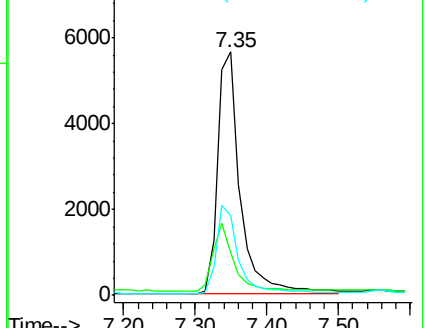
71 35.7 28.9 43.3



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: BE092206.D

Acq: 5 Aug 2016 6:26

Tgt Ion: 136 Resp: 54458

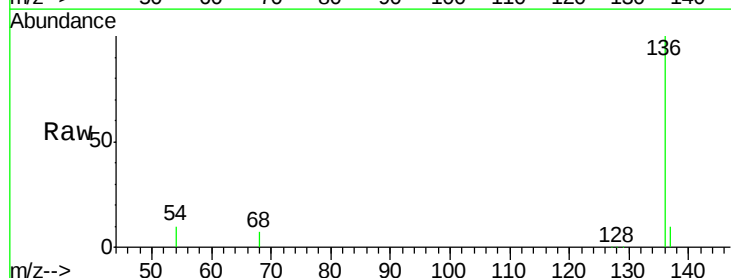
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 9.6 2.7 4.1#

68 6.7 2.2 3.4#

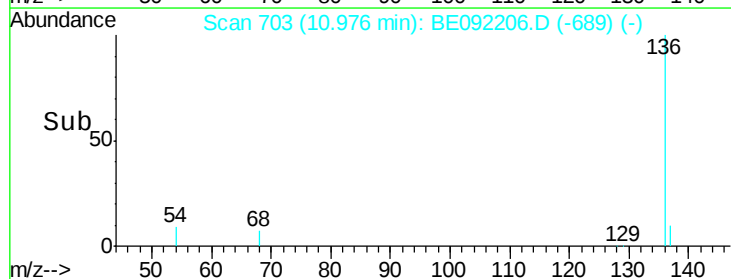
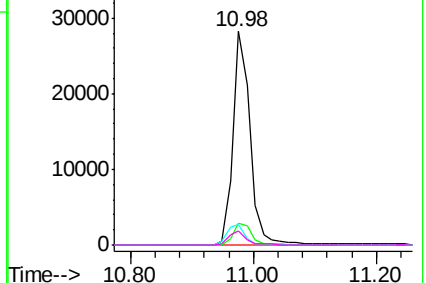


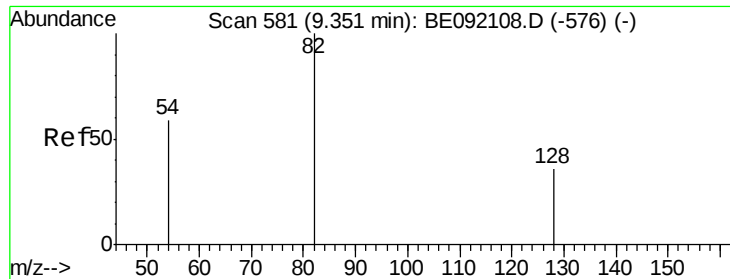
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 3.44 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

Instrument :

BNA_E

ClientSampleId :

GW-62-8.0-15.0

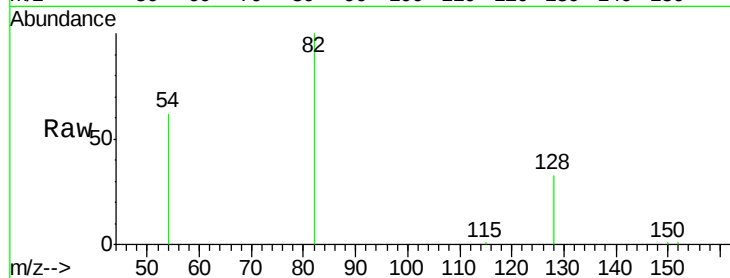
Tgt Ion: 82 Resp: 14771

Ion Ratio Lower Upper

82 100

128 32.9 33.0 49.4#

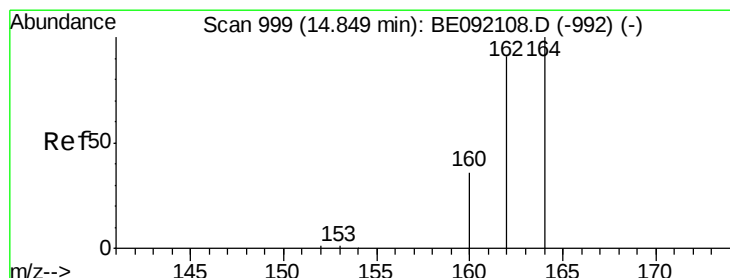
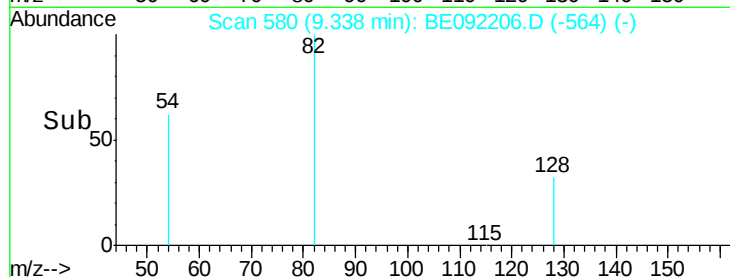
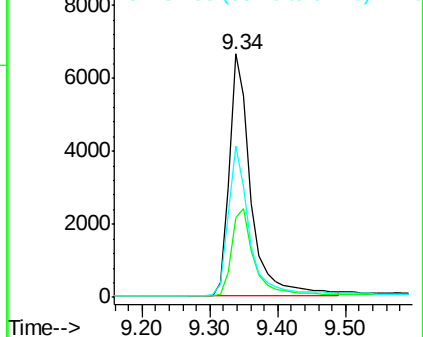
54 62.4 42.6 63.8



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



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

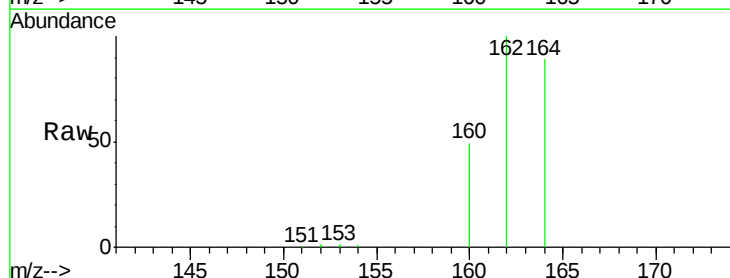
Tgt Ion: 164 Resp: 29292

Ion Ratio Lower Upper

164 100

162 112.6 69.5 104.3#

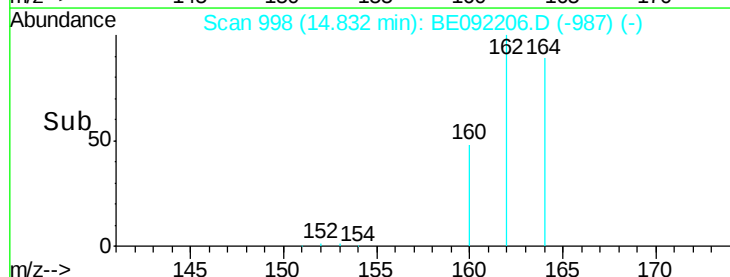
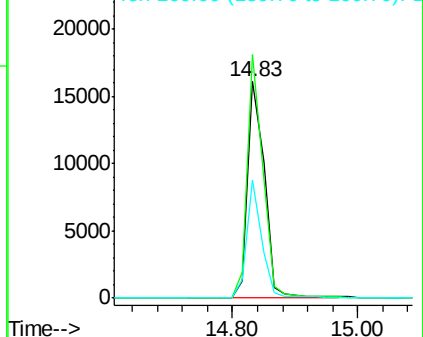
160 54.8 27.6 41.4#

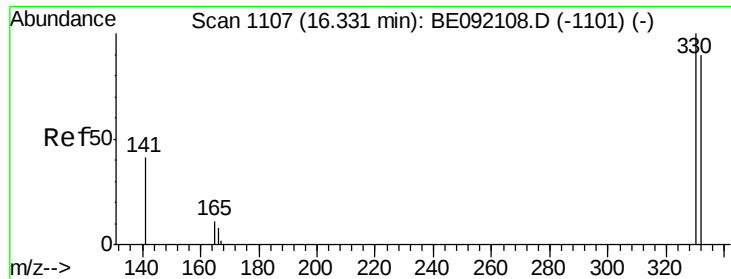


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

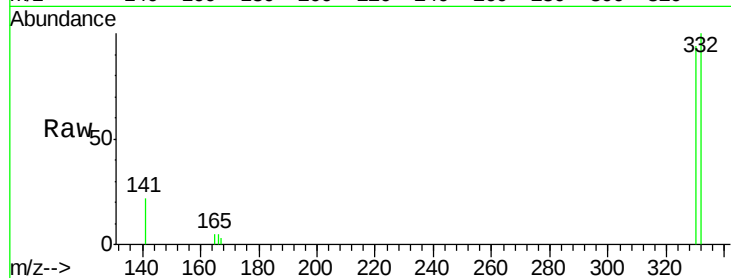




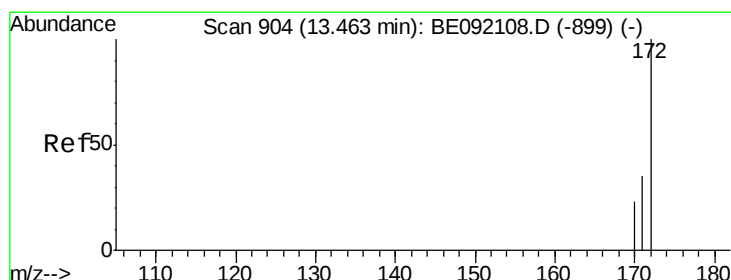
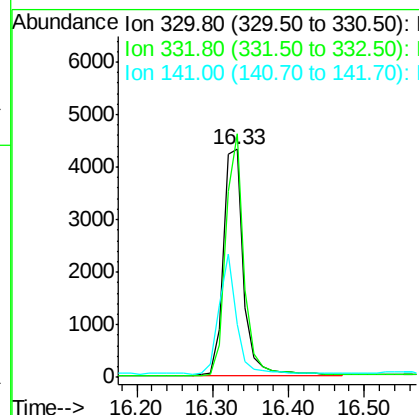
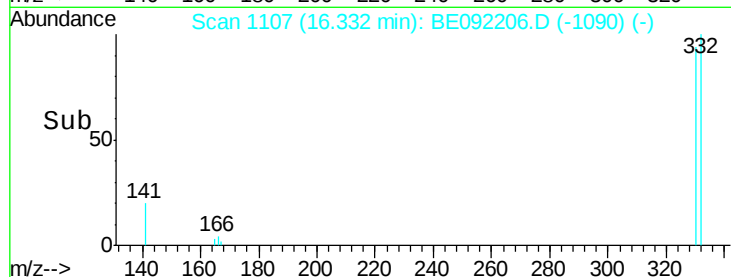
#11
 2,4,6-Tribromophenol
 Concen: 8.46 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092206.D
 Acq: 5 Aug 2016 6:26

Instrument :
 BNA_E
 ClientSampleId :
 GW-62-8.0-15.0

Tgt Ion: 330 Resp: 8048
 Ion Ratio Lower Upper
 330 100
 332 96.9 74.2 111.4
 141 45.1 139.8 209.8#

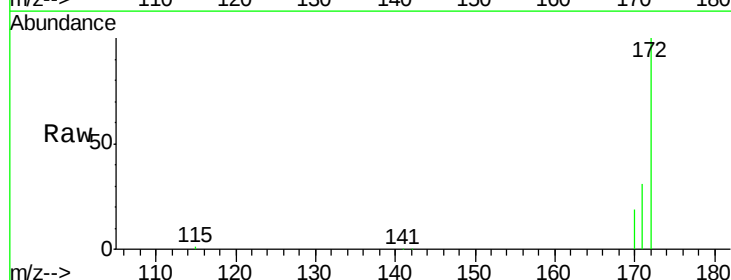


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

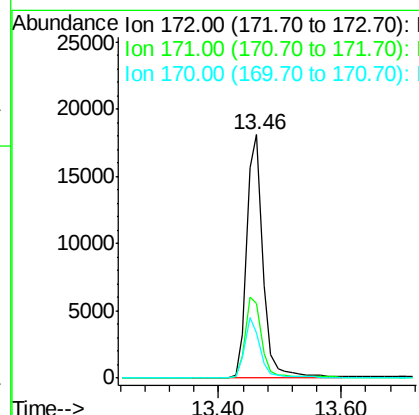
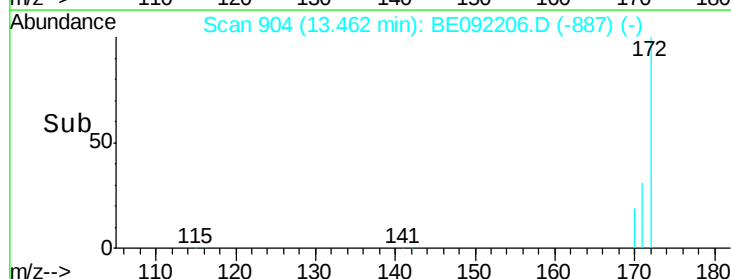


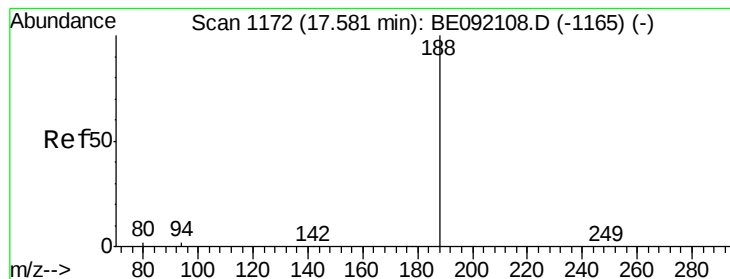
#12
 2-Fluorobiphenyl
 Concen: 3.60 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092206.D
 Acq: 5 Aug 2016 6:26

Tgt Ion: 172 Resp: 33384
 Ion Ratio Lower Upper
 172 100
 171 30.8 30.3 45.5
 170 18.8 21.6 32.4#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

Instrument :

BNA_E

ClientSampleId :

GW-62-8.0-15.0

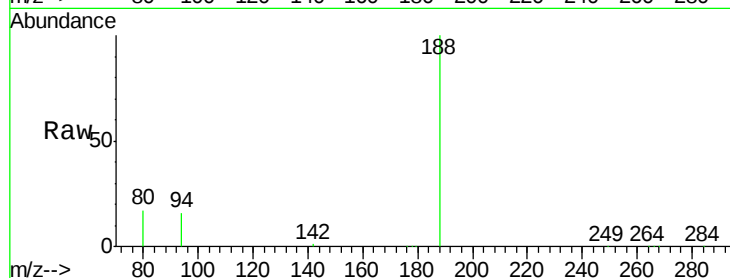
Tgt Ion:188 Resp: 67673

Ion Ratio Lower Upper

188 100

94 15.7 3.9 5.9#

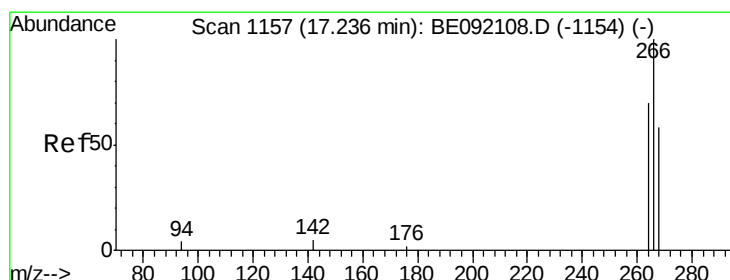
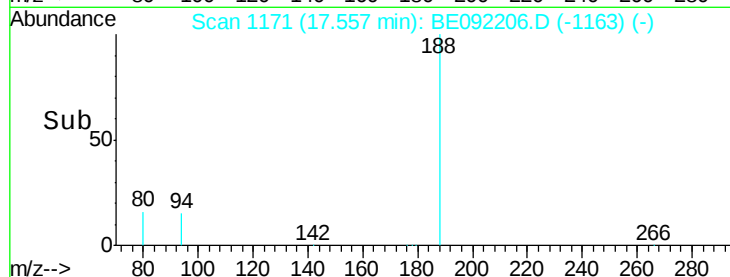
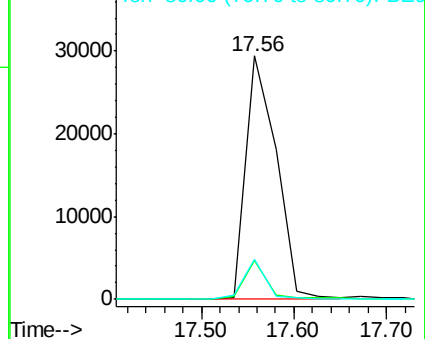
80 16.7 3.4 5.0#



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



#18

Pentachlorophenol

Concen: 0.21 ng

RT: 17.23 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

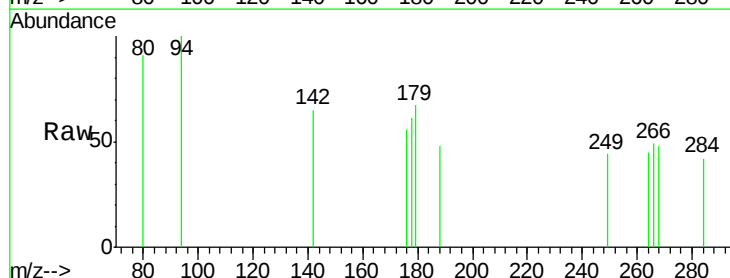
Tgt Ion:266 Resp: 21

Ion Ratio Lower Upper

266 100

268 98.1 62.7 94.1#

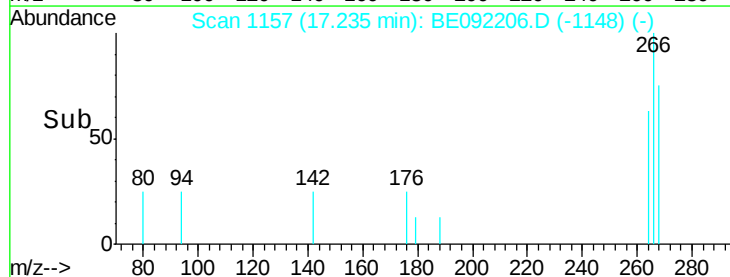
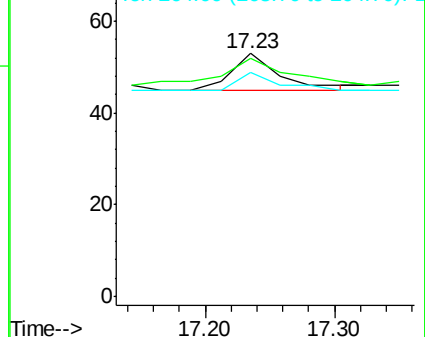
264 92.5 63.5 95.3

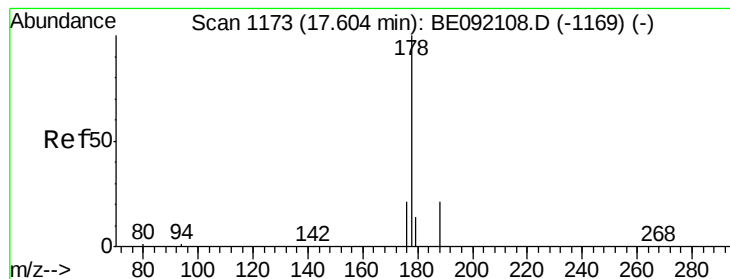


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#19

Phenanthrene

Concen: Below Cal

RT: 17.60 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

Instrument :

BNA_E

ClientSampleId :

GW-62-8.0-15.0

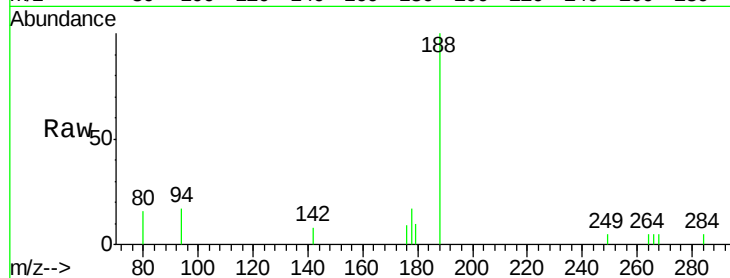
Tgt Ion:178 Resp: 214

Ion Ratio Lower Upper

178 100

176 30.8 15.4 23.0#

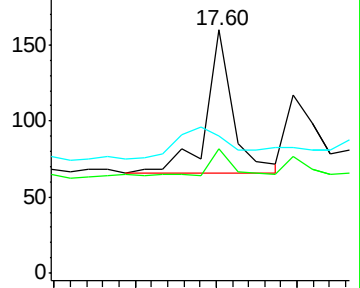
179 0.0 12.7 19.1#



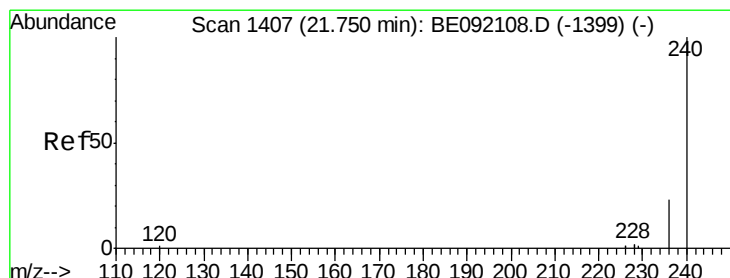
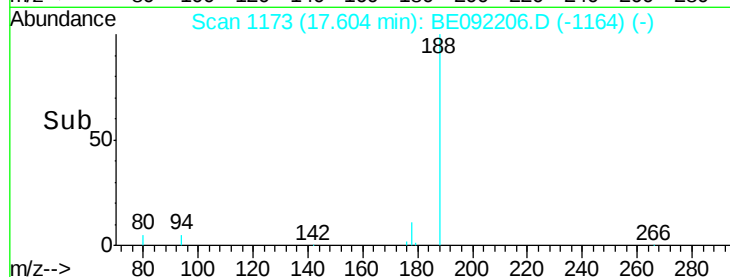
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

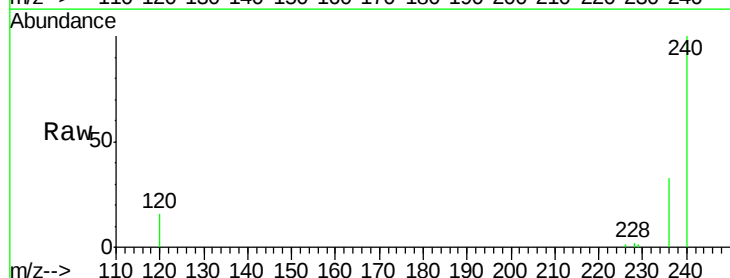
Tgt Ion:240 Resp: 80117

Ion Ratio Lower Upper

240 100

120 15.6 0.6 1.0#

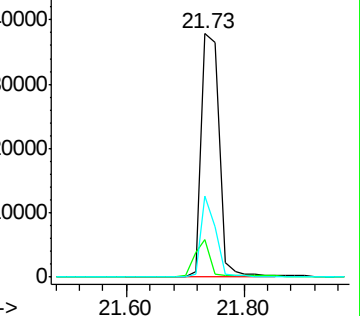
236 33.4 18.2 27.4#



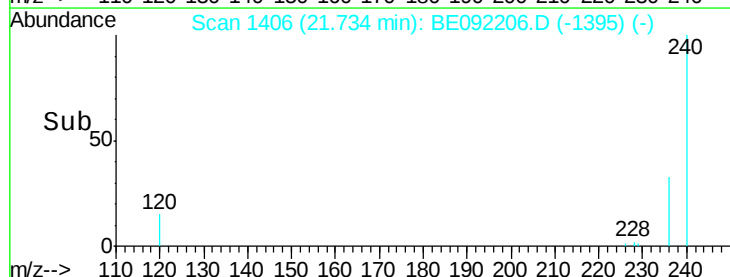
Abundance Ion 240.00 (239.70 to 240.70): E

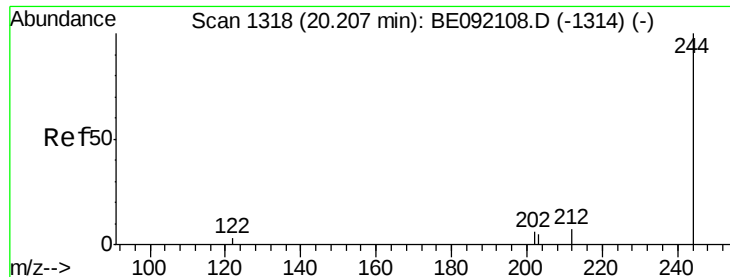
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#24

Terphenyl-d14

Concen: 4.22 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092206.D

Acq: 5 Aug 2016 6:26

Instrument :

BNA_E

ClientSampleId :

GW-62-8.0-15.0

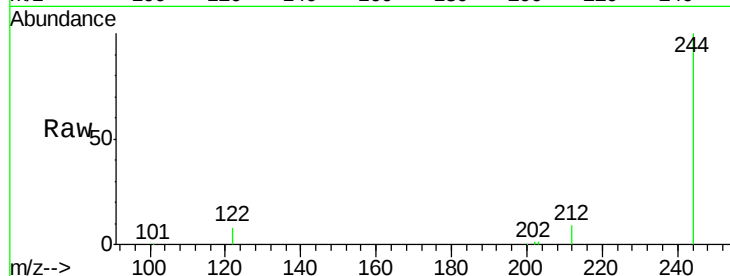
Tgt Ion:244 Resp: 48602

Ion Ratio Lower Upper

244 100

212 9.0 9.1 13.7#

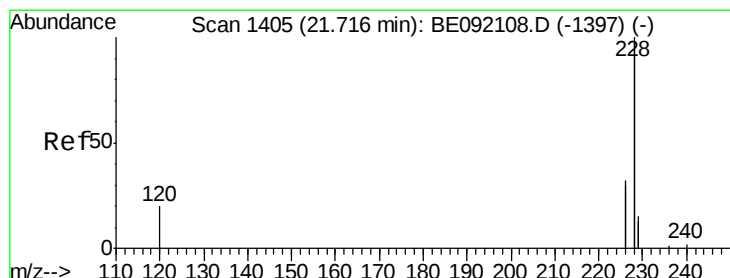
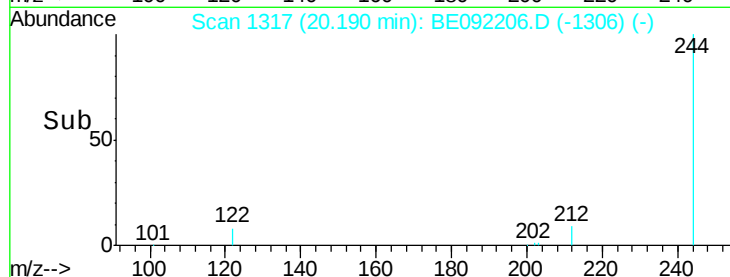
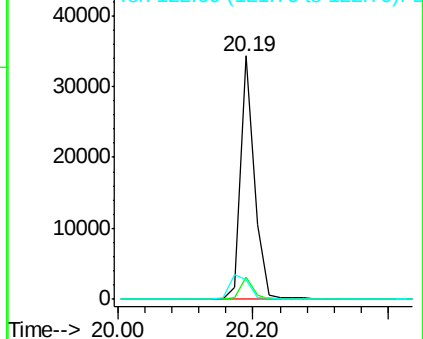
122 8.1 11.0 16.4#



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: BE092206.D

Acq: 5 Aug 2016 6:26

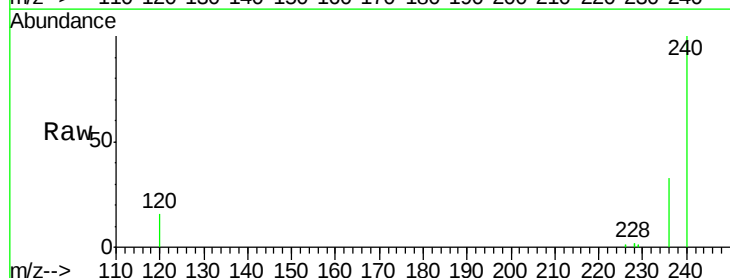
Tgt Ion:228 Resp: 2010

Ion Ratio Lower Upper

228 100

226 37.9 22.1 33.1#

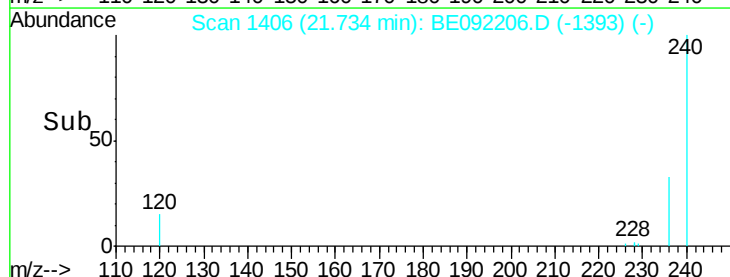
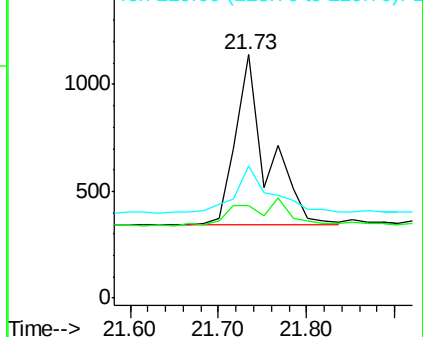
229 54.2 15.1 22.7#

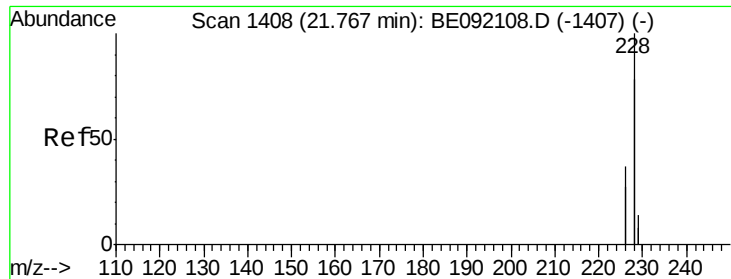


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

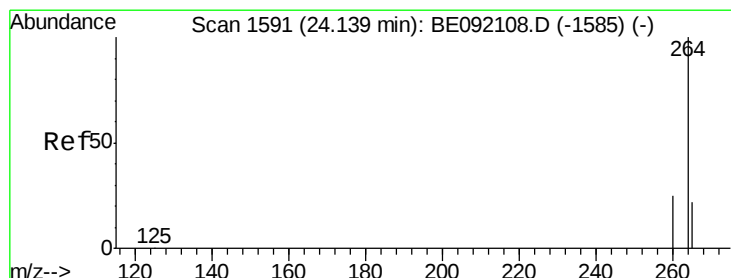
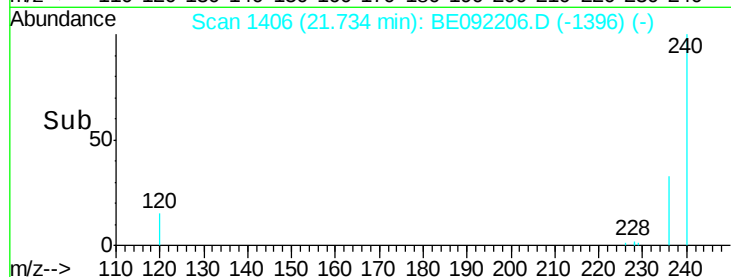
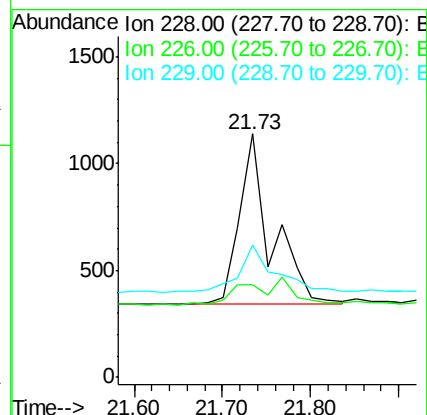
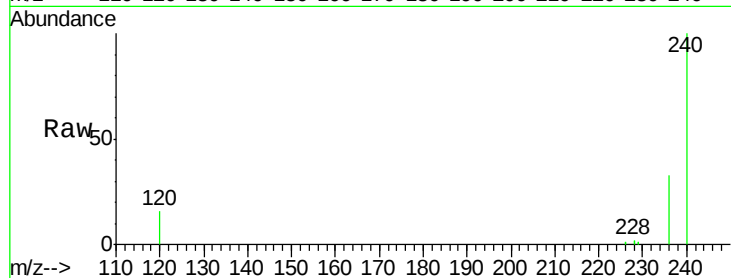




#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092206.D
Acq: 5 Aug 2016 6:26

Instrument :
BNA_E
ClientSampleId :
GW-62-8.0-15.0

Tgt Ion:228 Resp: 2010
Ion Ratio Lower Upper
228 100
226 37.9 22.3 33.5#
229 54.2 16.9 25.3#



#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092206.D
Acq: 5 Aug 2016 6:26

Tgt Ion:264 Resp: 83689
Ion Ratio Lower Upper
264 100
260 24.5 20.8 31.2
265 22.6 16.6 25.0

