

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092121.D
 Acq On : 2 Aug 2016 21:24
 Operator : UM/SJ
 Sample : H4152-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-12-5.5-15.0

Quant Time: Aug 03 03:54:20 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

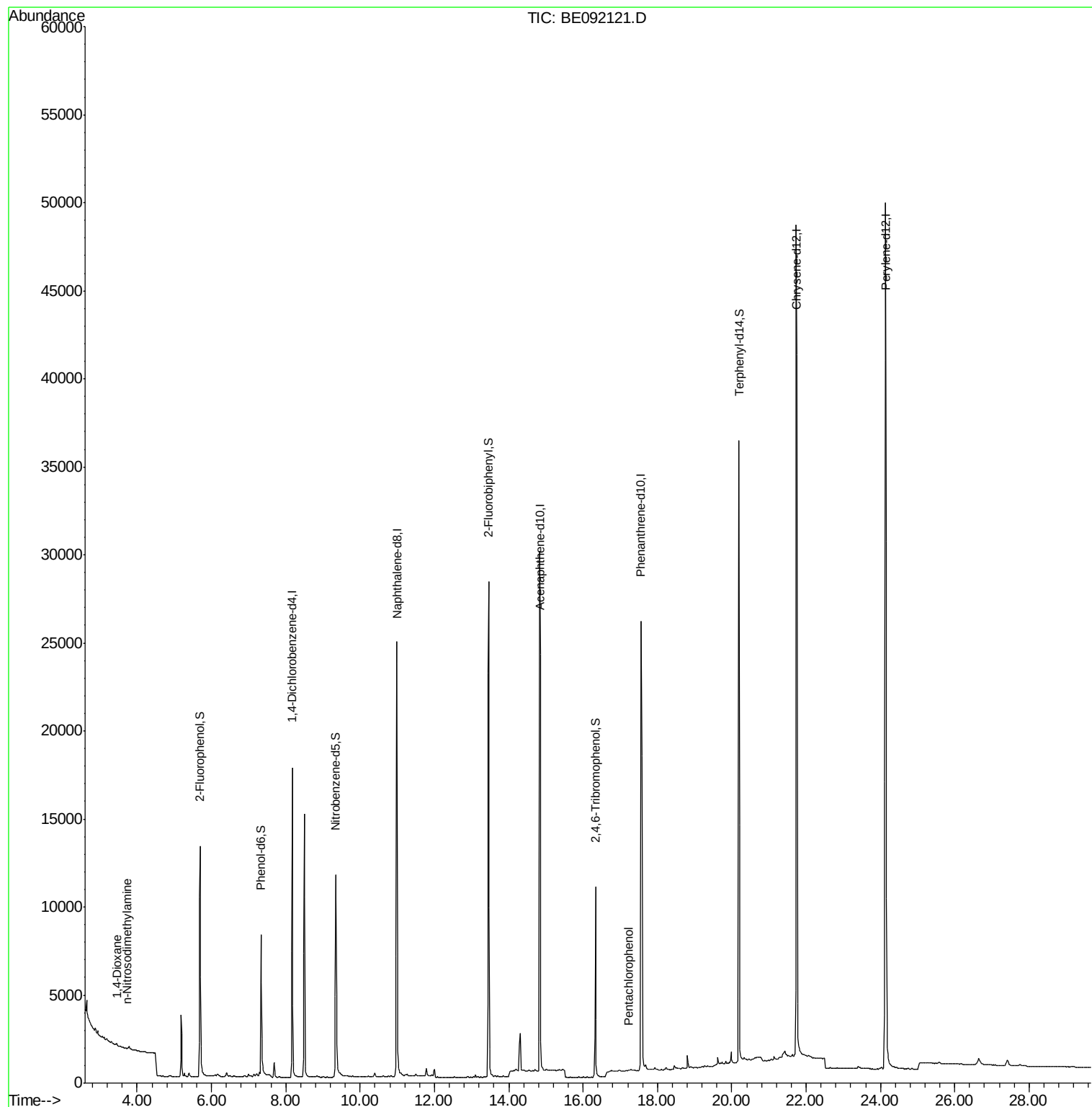
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9489	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	41926	5.00	ng	0.00
10) Acenaphthene-d10	14.85	164	22972	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	49679	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	68836	5.00	ng	0.00
28) Perylene-d12	24.14	264	73691	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	11910	4.89	ng	0.00
5) Phenol-d6	7.34	99	9885	3.04	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12989	3.93	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7595	10.18	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29864	4.10	ng	0.00
24) Terphenyl-d14	20.19	244	44670	4.52	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	90	0.07	ng	# 17
3) n-Nitrosodimethylamine	3.73	42	17	0.10	ng	# 6
8) Naphthalene	11.03	128	67	Below Cal		# 1
18) Pentachlorophenol	17.23	266	12	0.21	ng	# 79
19) Phenanthrene	17.60	178	243	Below Cal		# 68
30) Benzo(k)fluoranthene	23.45	252	103	Below Cal		# 1

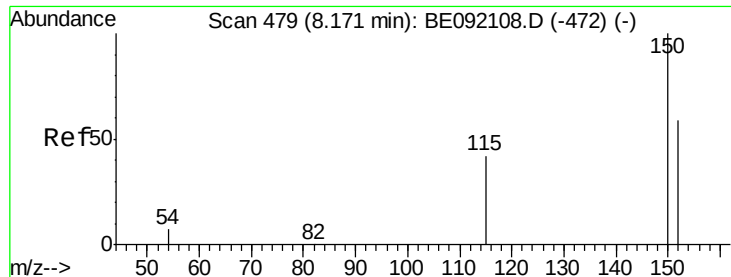
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 16:59:37 2016
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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: BE092121.D

Acq: 2 Aug 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-12-5.5-15.0

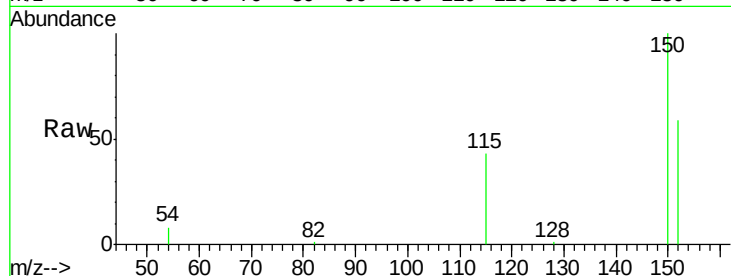
Tgt Ion:152 Resp: 9489

Ion Ratio Lower Upper

152 100

150 169.3 106.0 159.0#

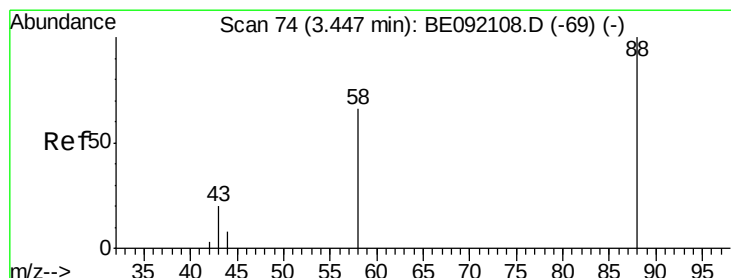
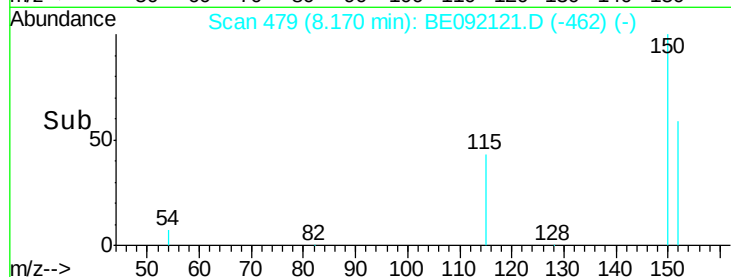
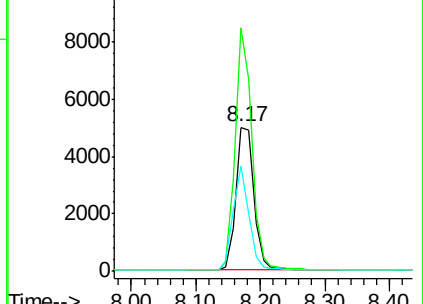
115 73.0 36.9 55.3#



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: 0.07 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092121.D

Acq: 2 Aug 2016 21:24

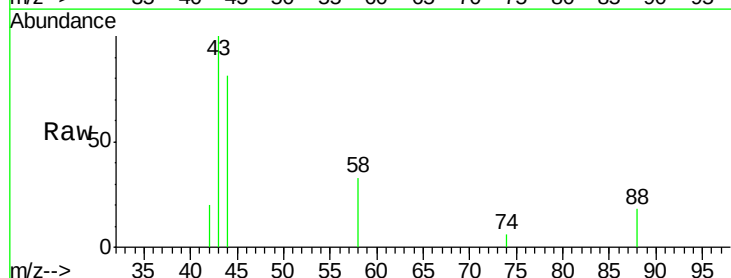
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

58 158.9 62.1 93.1#

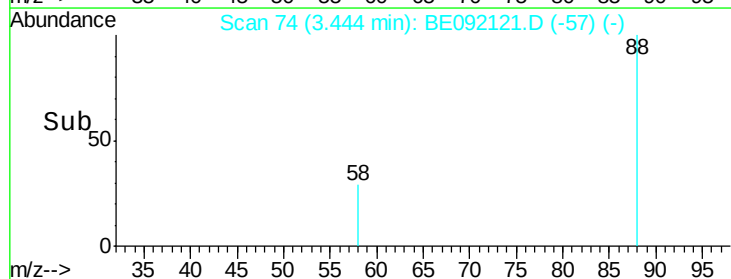
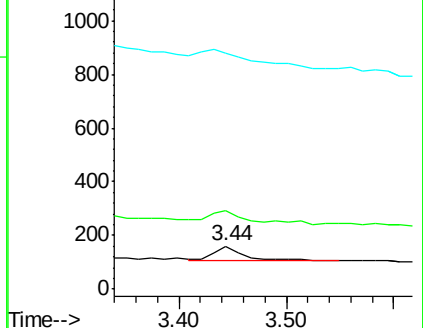
43 0.0 27.2 40.8#

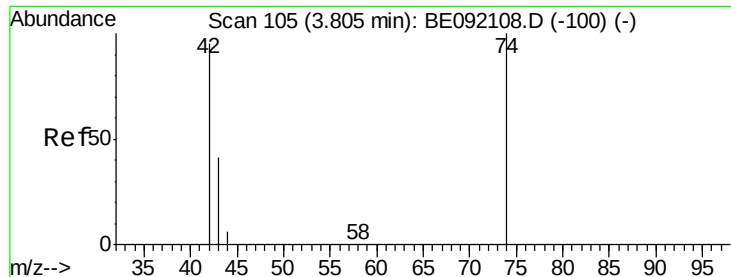


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.07 min

Lab File: BE092121.D

Acq: 2 Aug 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-12-5.5-15.0

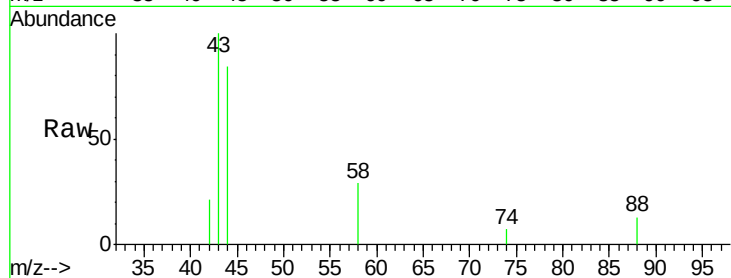
Tgt Ion: 42 Resp: 17

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

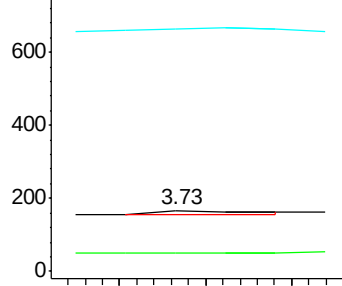
44 0.0 9.0 13.4#



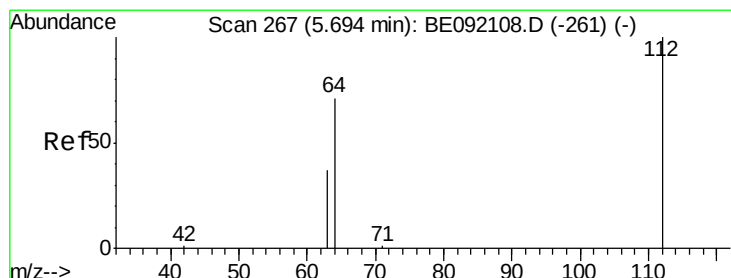
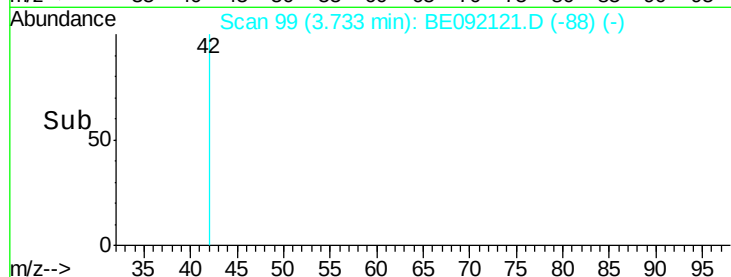
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 4.89 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092121.D

Acq: 2 Aug 2016 21:24

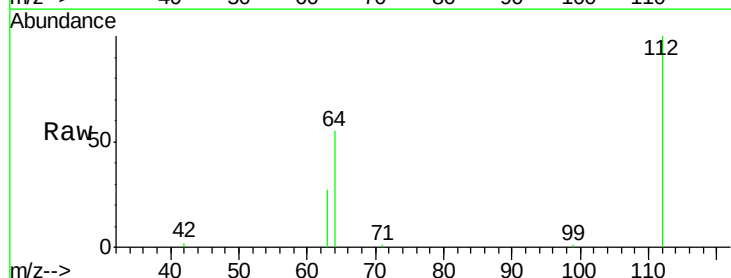
Tgt Ion: 112 Resp: 11910

Ion Ratio Lower Upper

112 100

64 66.3 55.9 83.9

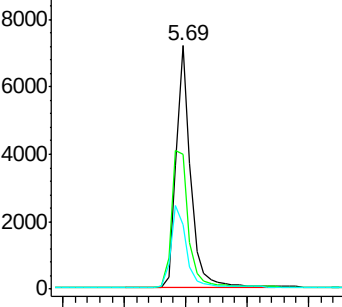
63 36.1 31.1 46.7



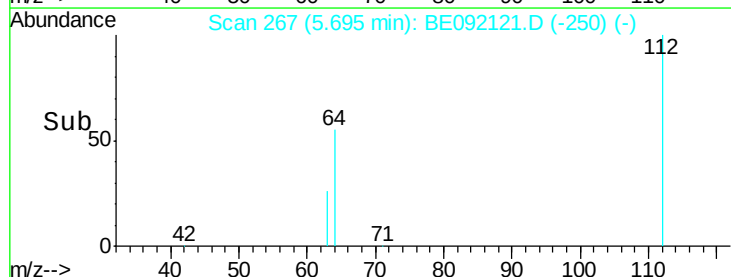
Abundance Ion 112.00 (111.70 to 112.70): E

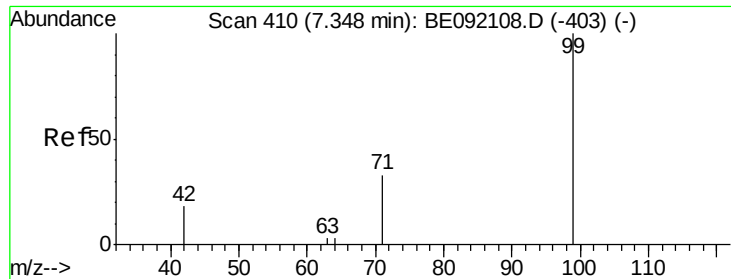
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 3.04 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092121.D

Acq: 2 Aug 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-12-5.5-15.0

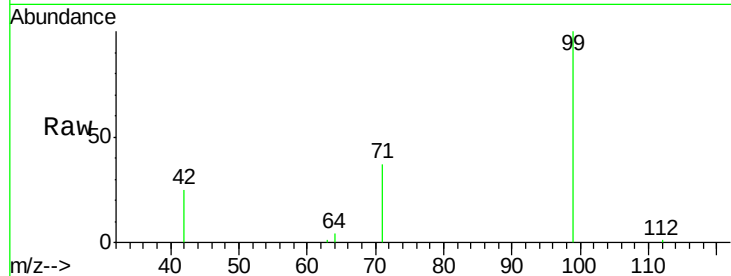
Tgt Ion: 99 Resp: 9885

Ion Ratio Lower Upper

99 100

42 29.4 22.4 33.6

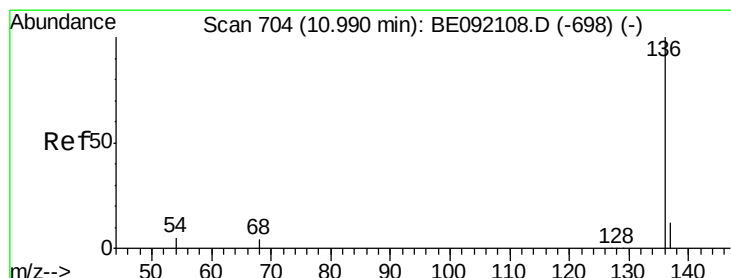
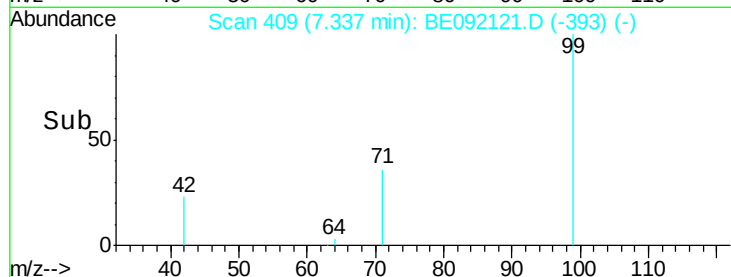
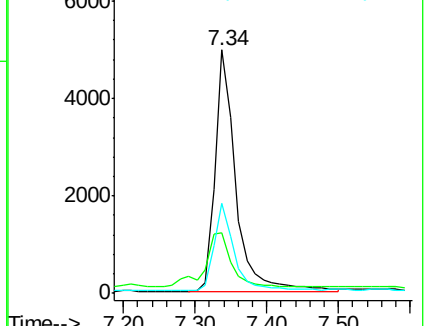
71 35.2 28.9 43.3



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: 10.99 min Scan# 704

Delta R.T. -0.00 min

Lab File: BE092121.D

Acq: 2 Aug 2016 21:24

Tgt Ion: 136 Resp: 41926

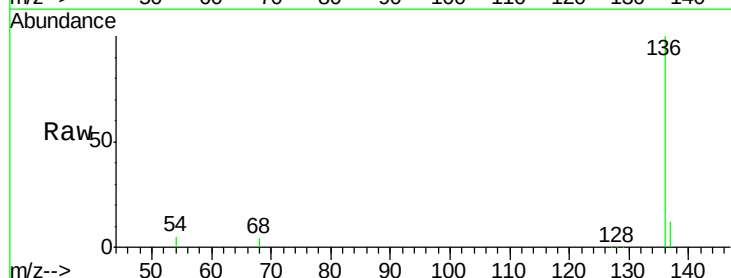
Ion Ratio Lower Upper

136 100

137 12.0 9.1 13.7

54 4.9 2.7 4.1#

68 4.0 2.2 3.4#

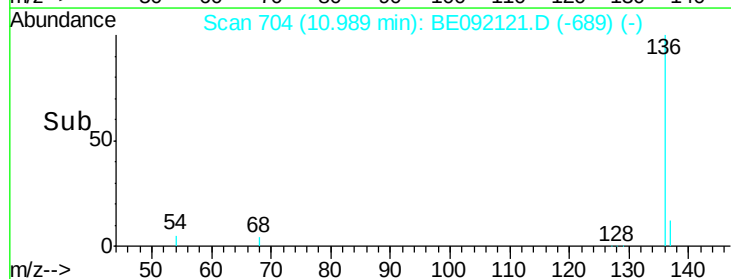
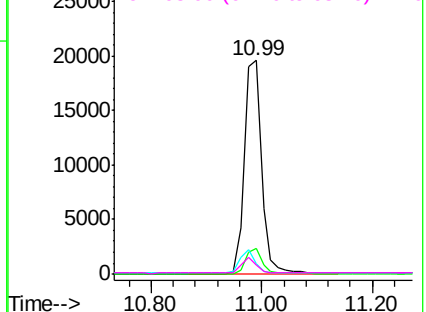


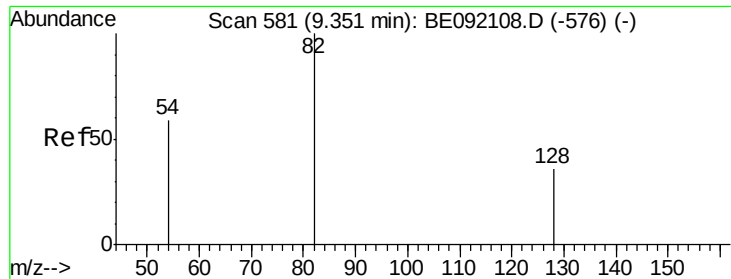
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 3.93 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092121.D

Acq: 2 Aug 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-12-5.5-15.0

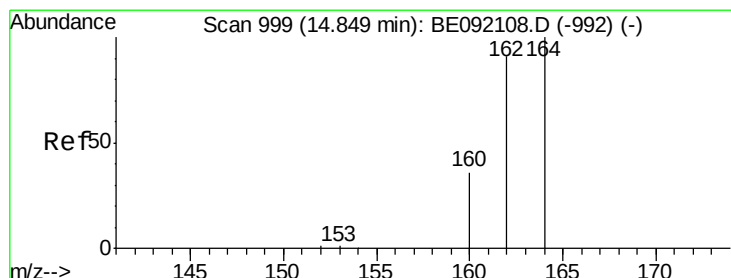
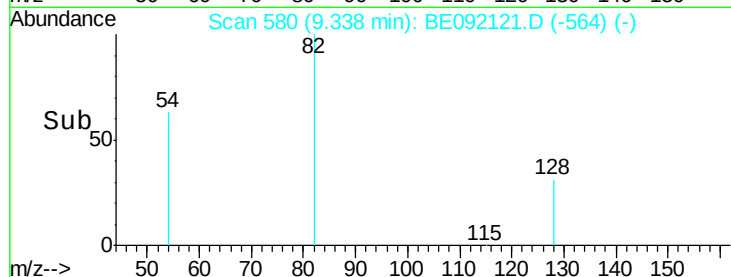
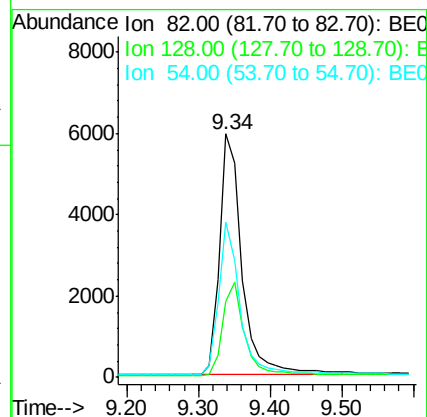
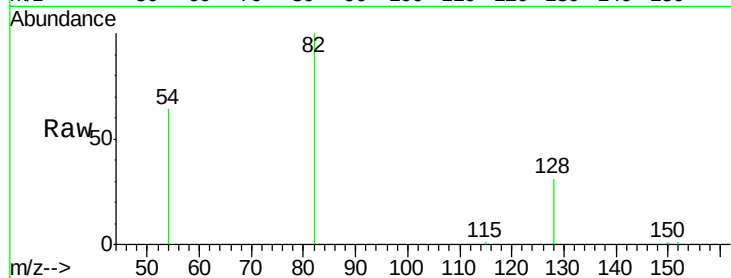
Tgt Ion: 82 Resp: 12989

Ion Ratio Lower Upper

82 100

128 31.2 33.0 49.4#

54 63.7 42.6 63.8



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.85 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092121.D

Acq: 2 Aug 2016 21:24

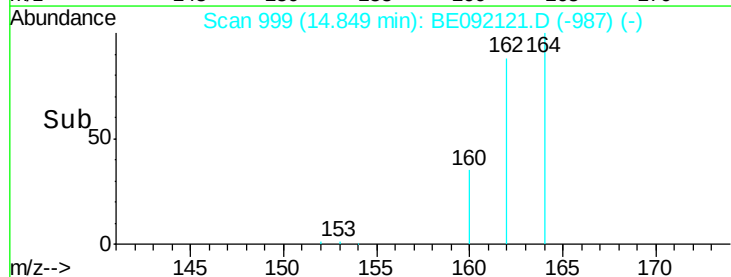
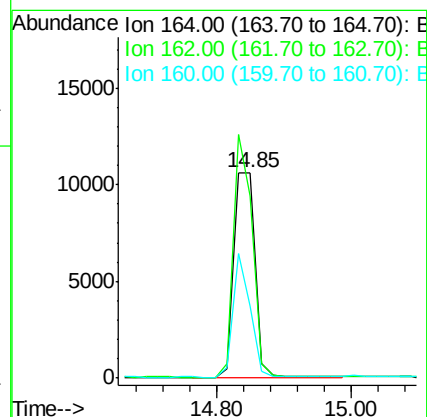
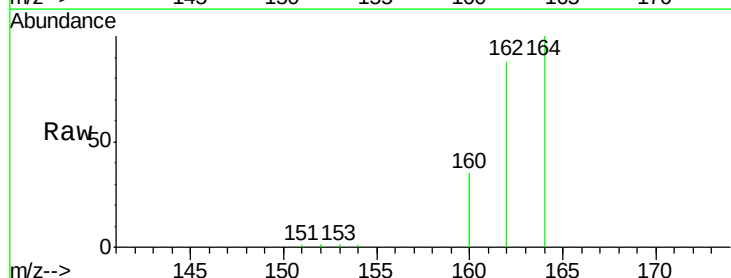
Tgt Ion: 164 Resp: 22972

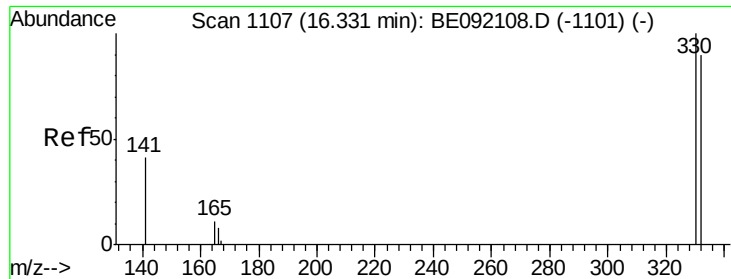
Ion Ratio Lower Upper

164 100

162 88.4 69.5 104.3

160 35.1 27.6 41.4

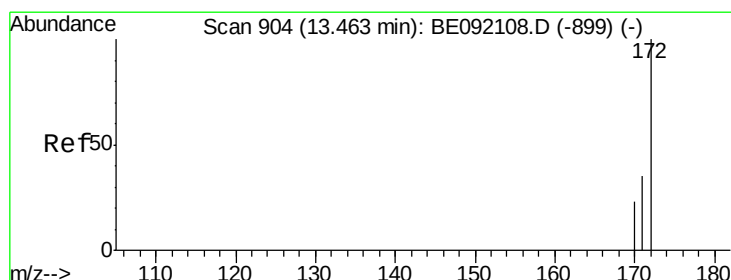
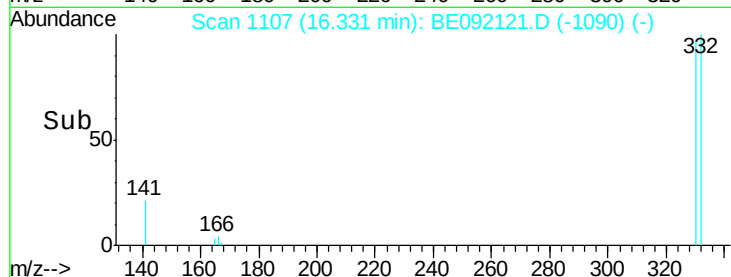
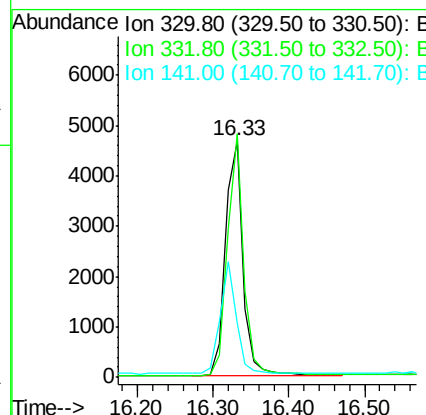
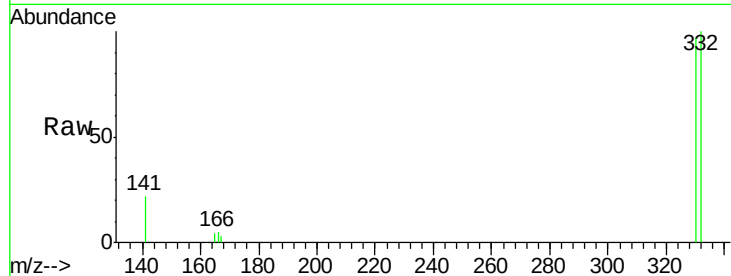




#11
 2,4,6-Tribromophenol
 Concen: 10.18 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092121.D
 Acq: 2 Aug 2016 21:24

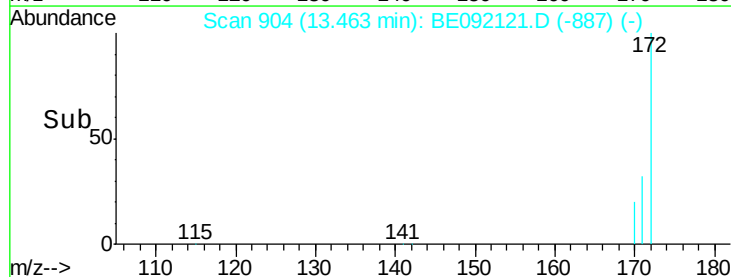
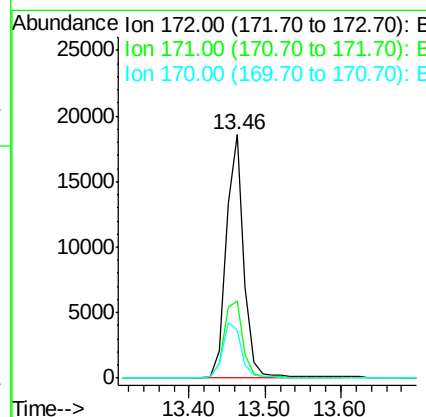
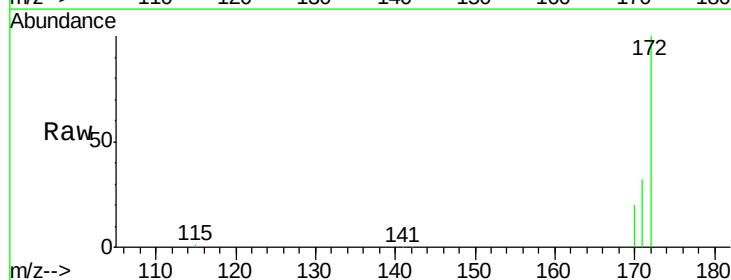
Instrument :
 BNA_E
 ClientSampleId :
 GW-12-5.5-15.0

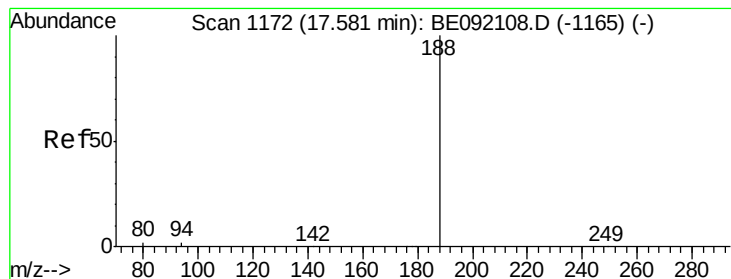
Tgt Ion:330 Resp: 7595
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.2 111.4
 141 42.9 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 4.10 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092121.D
 Acq: 2 Aug 2016 21:24

Tgt Ion:172 Resp: 29864
 Ion Ratio Lower Upper
 172 100
 171 32.0 30.3 45.5
 170 19.9 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: BE092121.D

Acq: 2 Aug 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-12-5.5-15.0

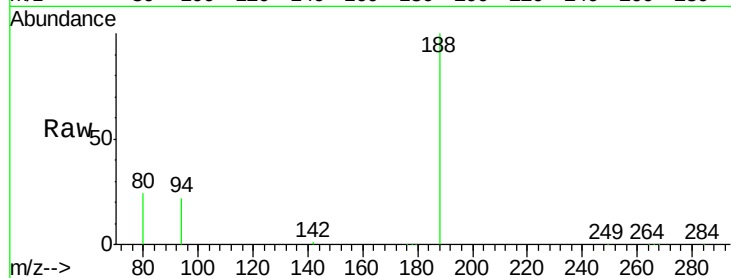
Tgt Ion:188 Resp: 49679

Ion Ratio Lower Upper

188 100

94 21.8 3.9 5.9#

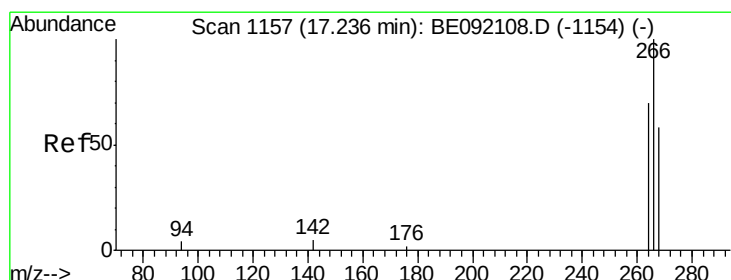
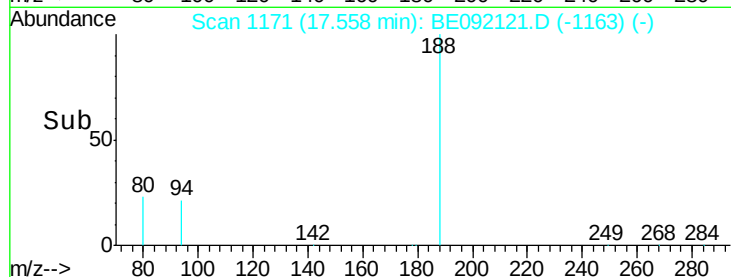
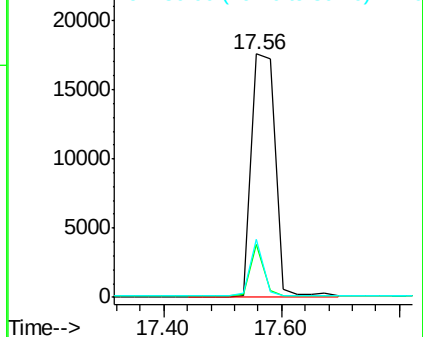
80 23.9 3.4 5.0#



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: BE092121.D

Acq: 2 Aug 2016 21:24

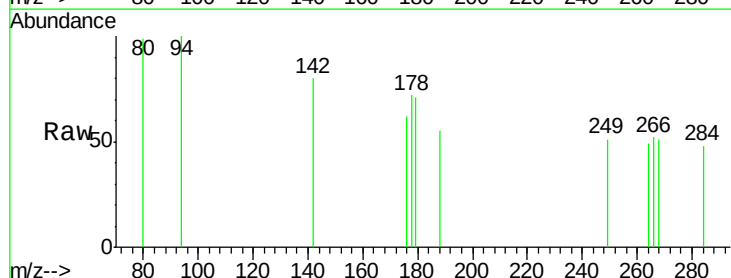
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

268 97.9 62.7 94.1#

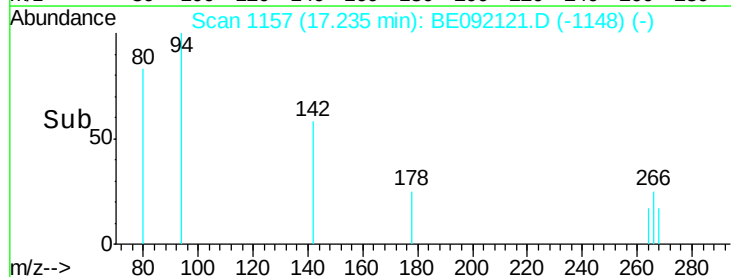
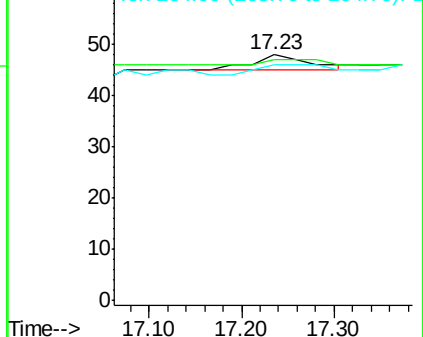
264 95.8 63.5 95.3#

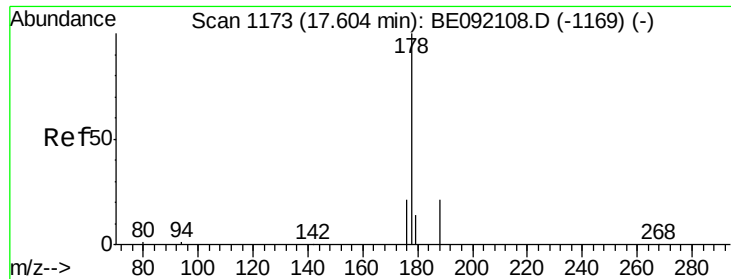


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

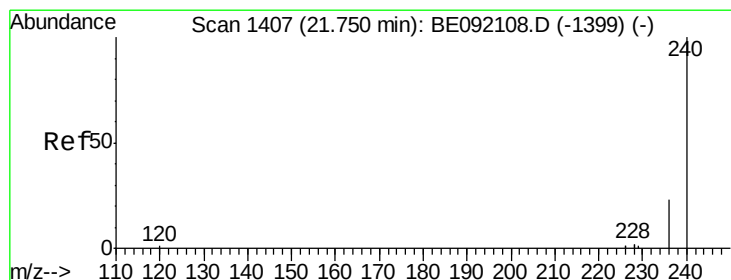
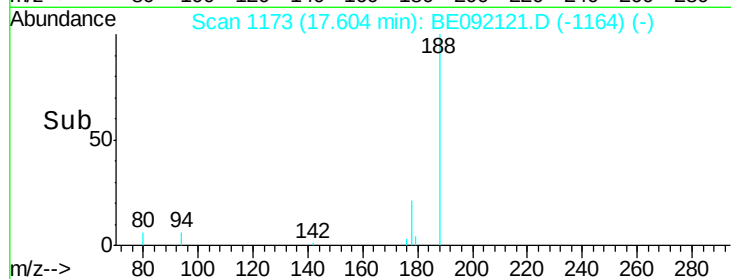
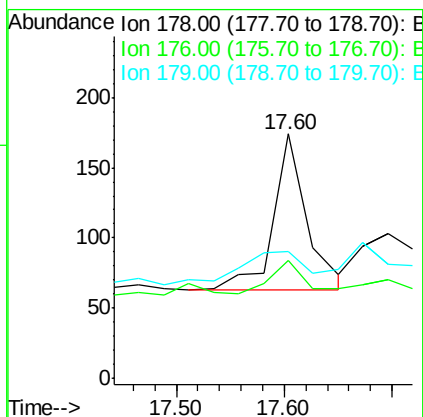
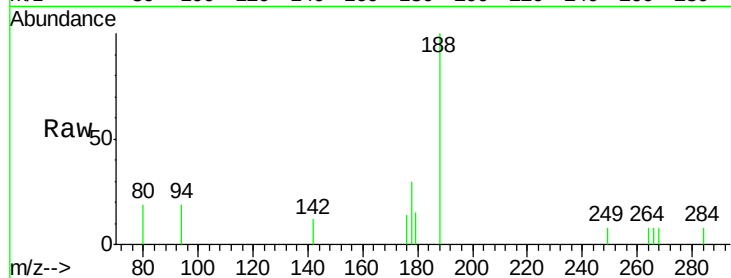




#19
Phenanthrene
Concen: Below Cal
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092121.D
Acq: 2 Aug 2016 21:24

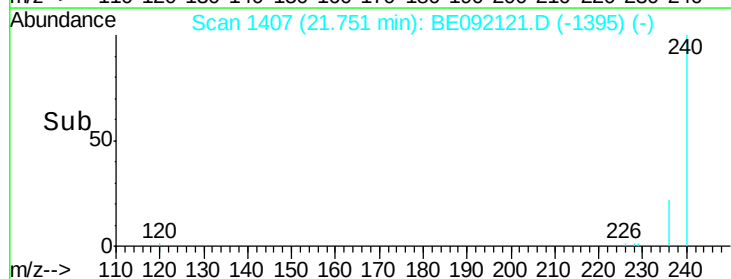
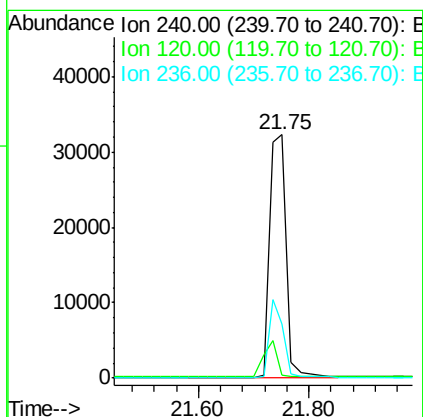
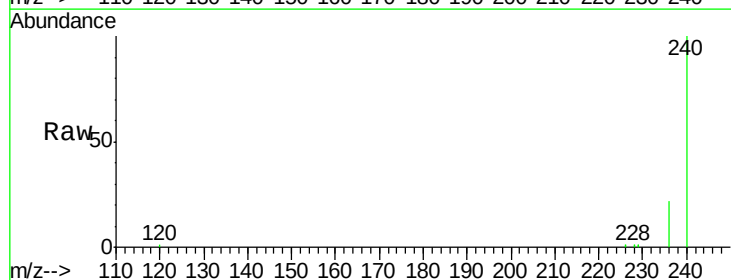
Instrument :
BNA_E
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GW-12-5.5-15.0

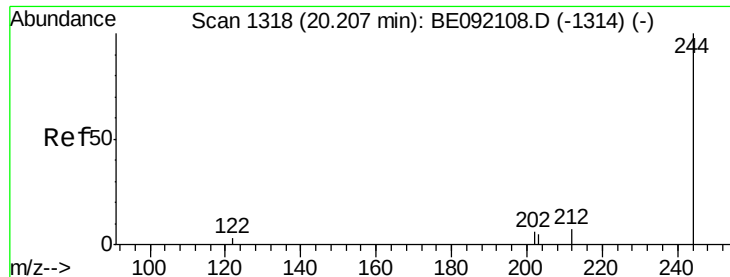
Tgt Ion:178 Resp: 243
Ion Ratio Lower Upper
178 100
176 22.2 15.4 23.0
179 42.8 12.7 19.1#



#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092121.D
Acq: 2 Aug 2016 21:24

Tgt Ion:240 Resp: 68836
Ion Ratio Lower Upper
240 100
120 1.5 0.6 1.0#
236 22.0 18.2 27.4

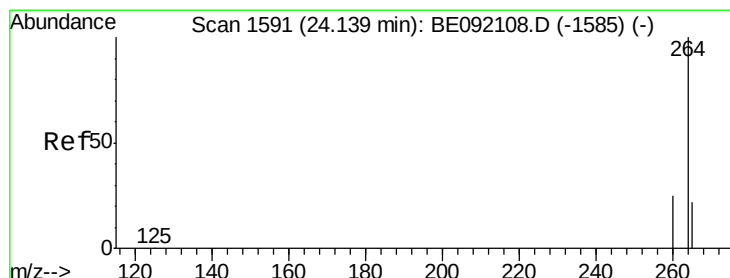
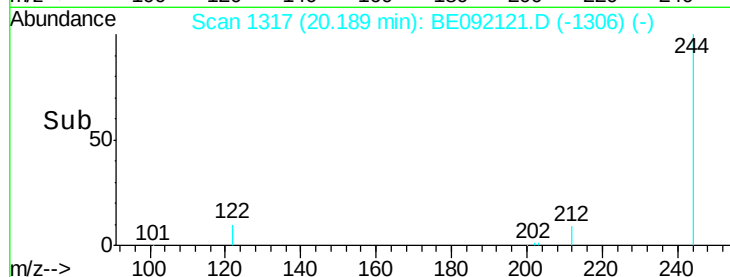
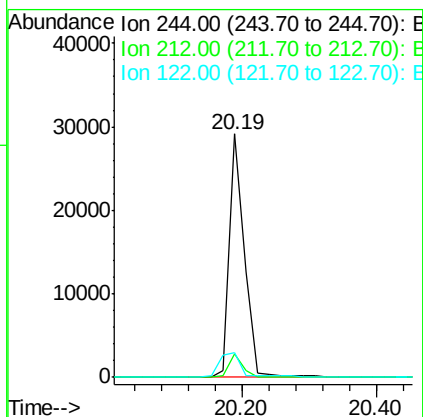
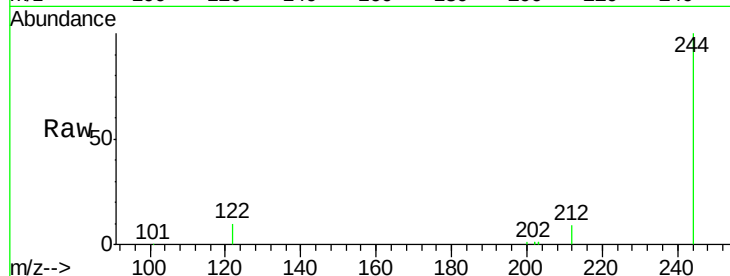




#24
 Terphenyl-d14
 Concen: 4.52 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092121.D
 Acq: 2 Aug 2016 21:24

Instrument :
 BNA_E
 ClientSampleId :
 GW-12-5.5-15.0

Tgt Ion: 244 Resp: 44670
 Ion Ratio Lower Upper
 244 100
 212 9.5 9.1 13.7
 122 10.2 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: BE092121.D
 Acq: 2 Aug 2016 21:24

Tgt Ion: 264 Resp: 73691
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.8 31.2
 265 22.4 16.6 25.0

