

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092137.D
 Acq On : 3 Aug 2016 7:30
 Operator : UM/SJ
 Sample : H4205-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-41-7.8-15.0

Quant Time: Aug 03 08:00:37 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

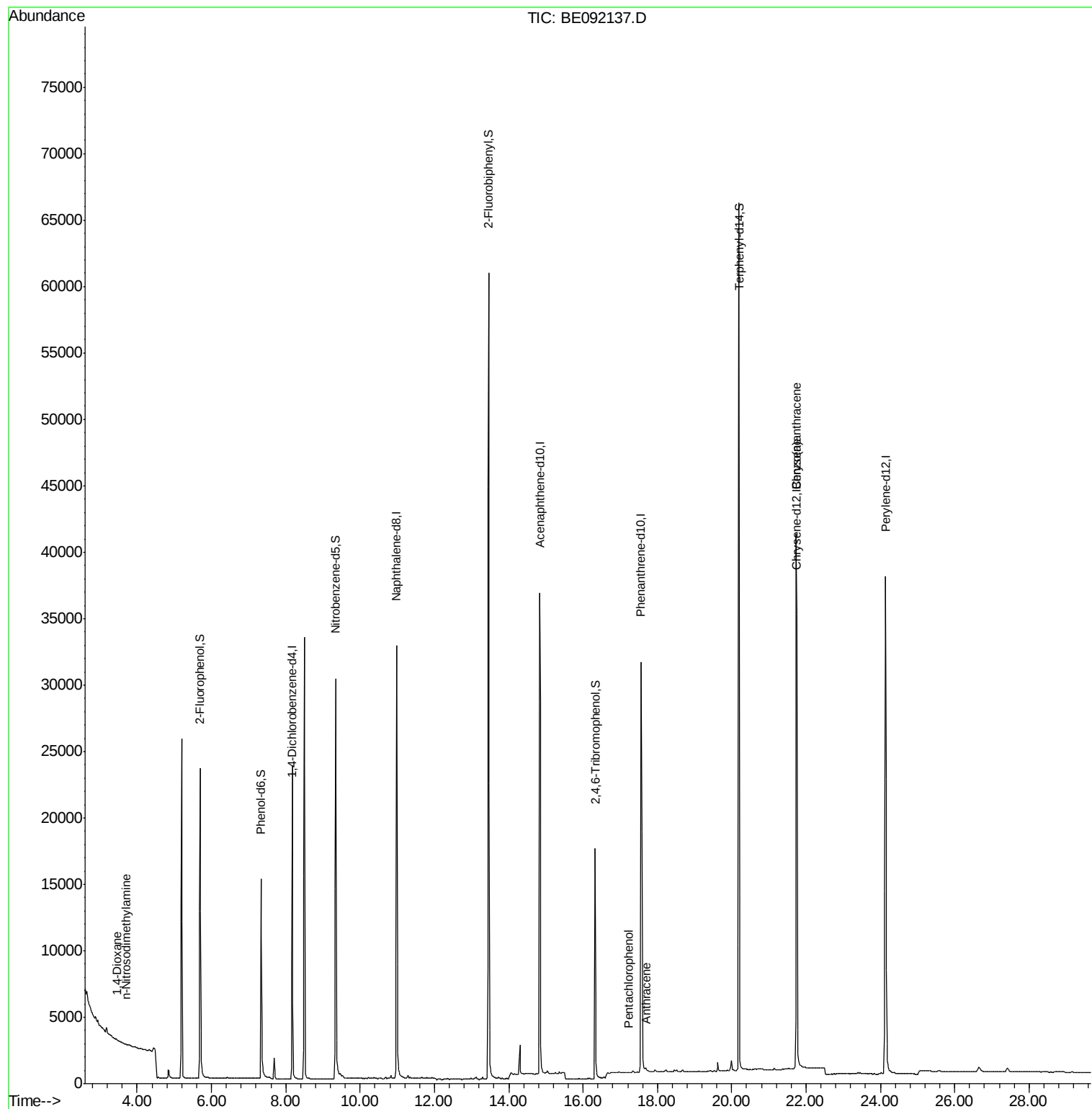
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	12622	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	54134	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	27563	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	56791	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	58670	5.00	ng	0.00
28) Perylene-d12	24.14	264	58157	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	19456	6.00	ng	0.00
5) Phenol-d6	7.34	99	17360	4.02	ng	-0.01
7) Nitrobenzene-d5	9.34	82	30153	7.06	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	12343	13.79	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	62980	7.21	ng	0.00
24) Terphenyl-d14	20.19	244	74506	8.84	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.46	88	49	0.03	ng	# 20
3) n-Nitrosodimethylamine	3.71	42	9	0.09	ng	# 6
18) Pentachlorophenol	17.24	266	8	0.20	ng	# 79
19) Phenanthrene	17.60	178	322	Below Cal		# 65
20) Anthracene	17.70	178	311	0.02	ng	# 76
25) Benzo(a)anthracene	21.73	228	1982	0.03	ng	# 56
26) Chrysene	21.73	228	2035	0.03	ng	# 58
30) Benzo(k)fluoranthene	23.45	252	130	Below Cal		# 1

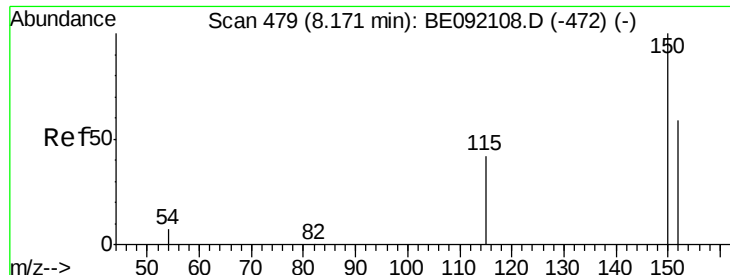
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 480

Delta R.T. 0.01 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

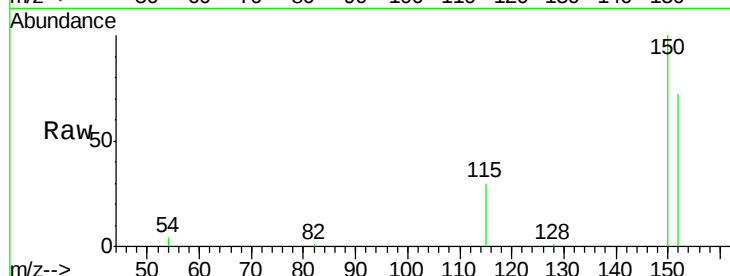
Tgt Ion:152 Resp: 12622

Ion Ratio Lower Upper

152 100

150 138.3 106.0 159.0

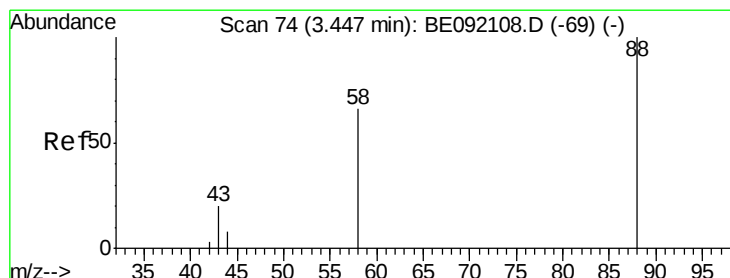
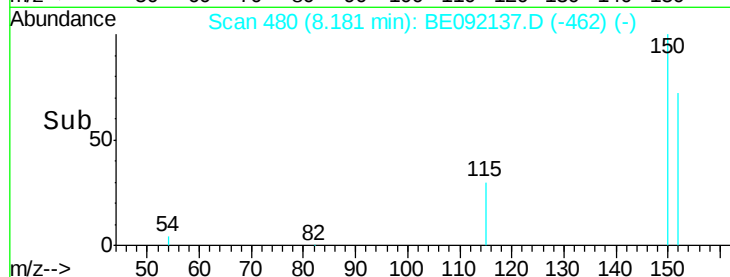
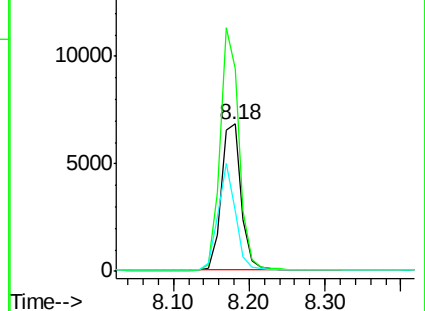
115 41.6 36.9 55.3



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: 0.03 ng

RT: 3.46 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

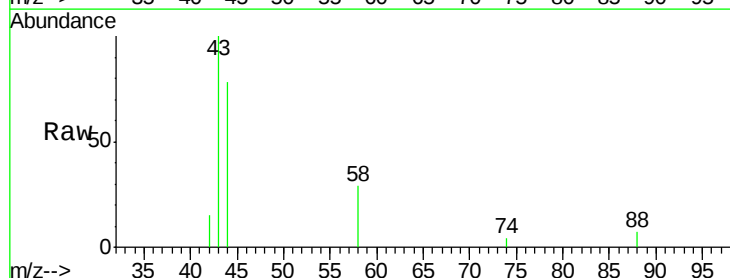
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

58 0.0 62.1 93.1#

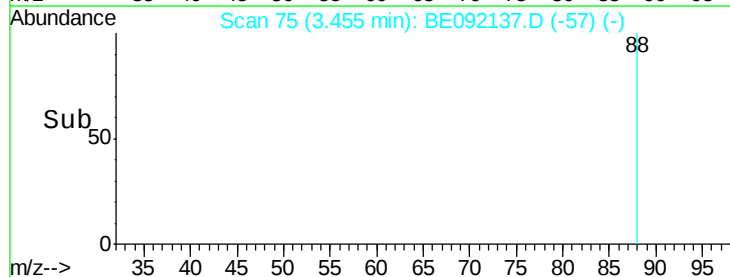
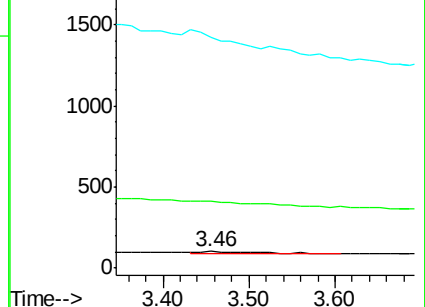
43 0.0 27.2 40.8#

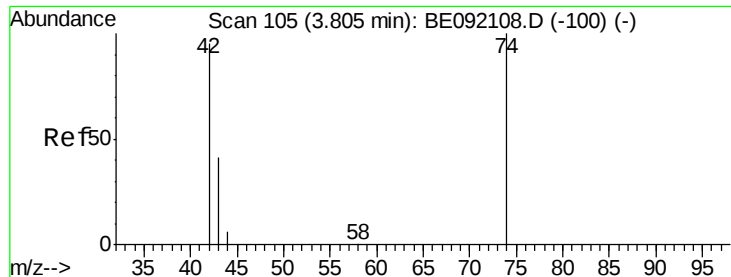


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.71 min Scan# 97

Delta R.T. -0.10 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

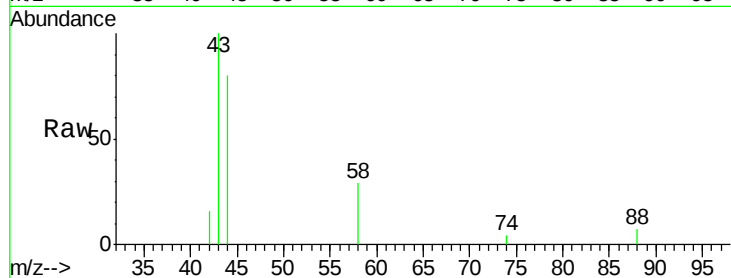
Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

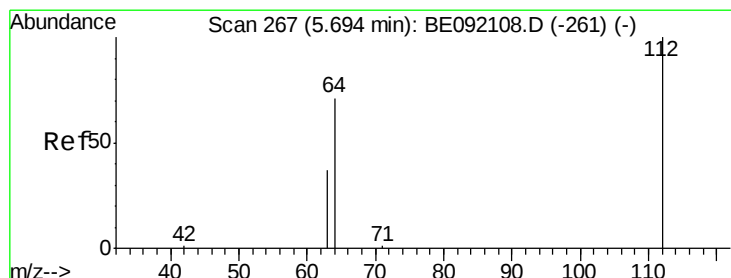
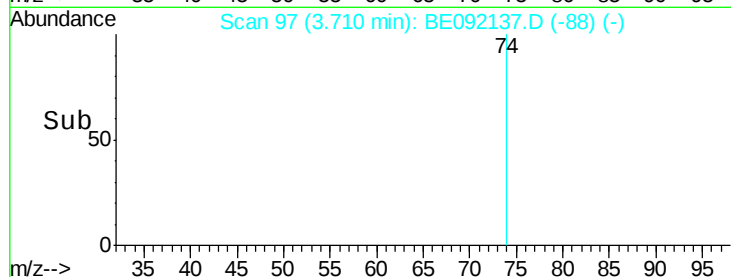
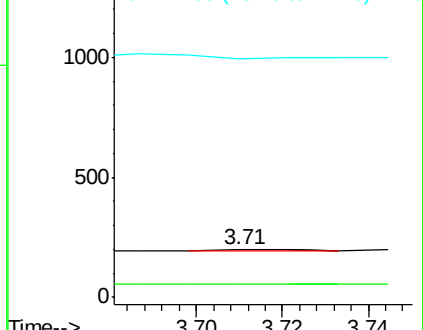
Tgt Ion:	42	Resp:	9
Ion	Ratio	Lower	Upper
42	100		
74	0.0	82.8	124.2#
44	0.0	9.0	13.4#



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



#4

2-Fluorophenol

Concen: 6.00 ng

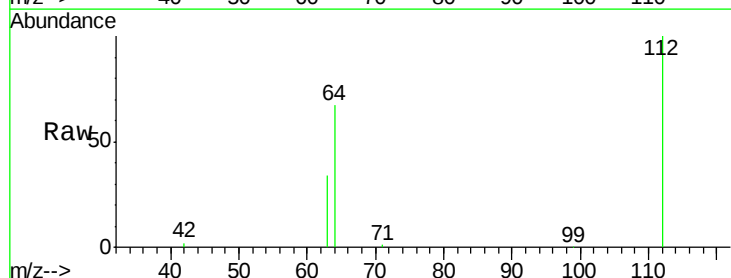
RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

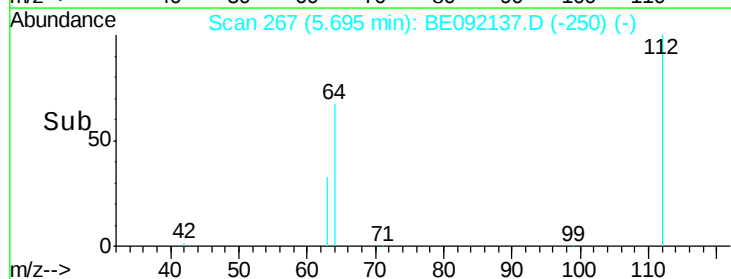
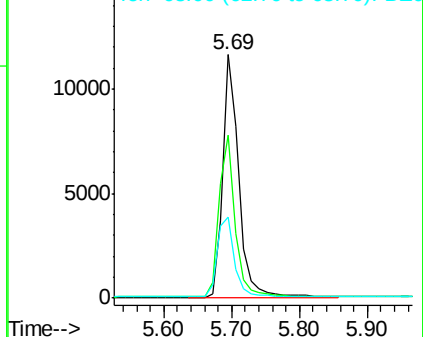
Tgt Ion:	112	Resp:	19456
Ion	Ratio	Lower	Upper
112	100		
64	67.1	55.9	83.9
63	36.1	31.1	46.7



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





#5

Phenol-d6

Concen: 4.02 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

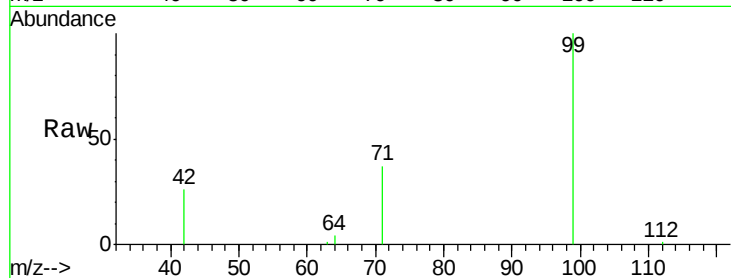
Tgt Ion: 99 Resp: 17360

Ion Ratio Lower Upper

99 100

42 24.8 22.4 33.6

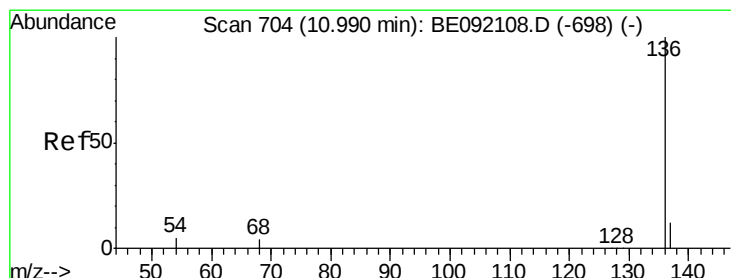
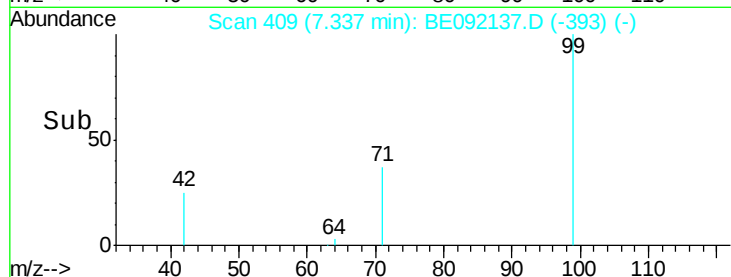
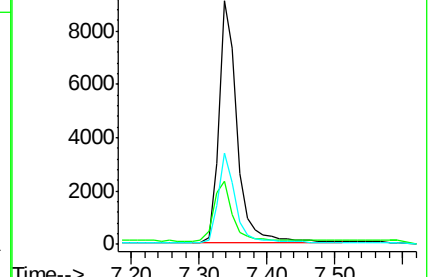
71 35.0 28.9 43.3



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: BE092137.D

Acq: 3 Aug 2016 7:30

Tgt Ion: 136 Resp: 54134

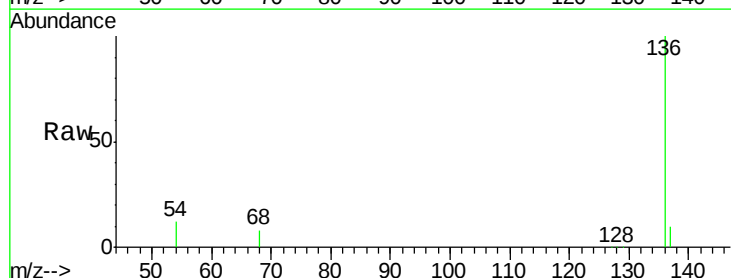
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 11.8 2.7 4.1#

68 8.1 2.2 3.4#

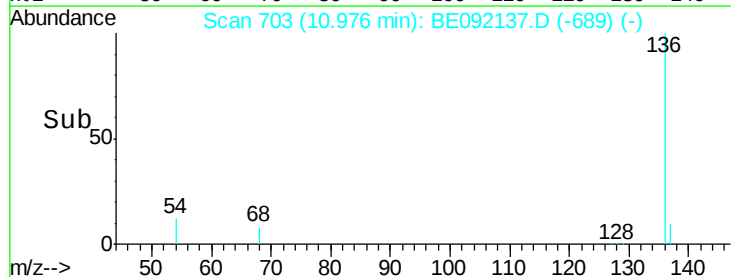
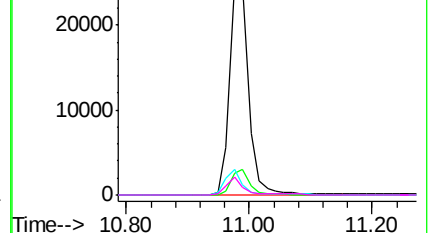


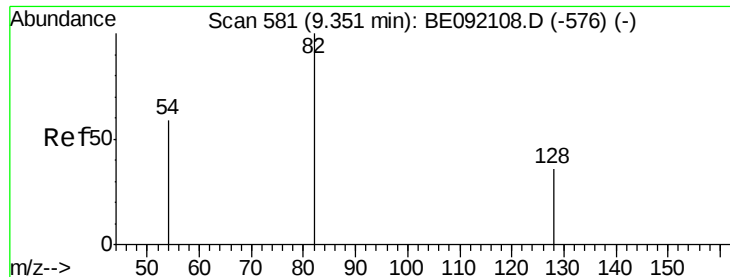
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 7.06 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

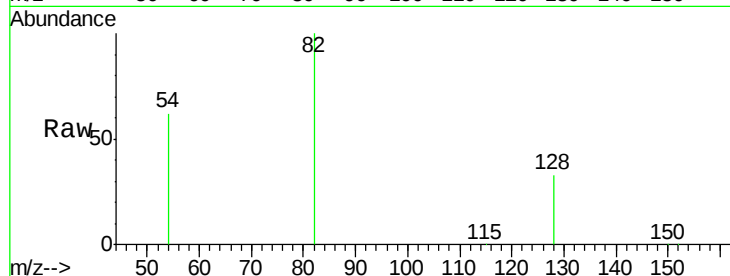
Tgt Ion: 82 Resp: 30153

Ion Ratio Lower Upper

82 100

128 33.2 33.0 49.4

54 61.5 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE092108.D (-576) (-)

Ion 128.00 (127.70 to 128.70): BE092108.D (-576) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-576) (-)

9.34

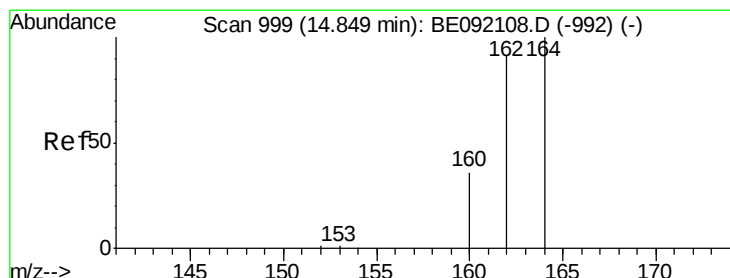
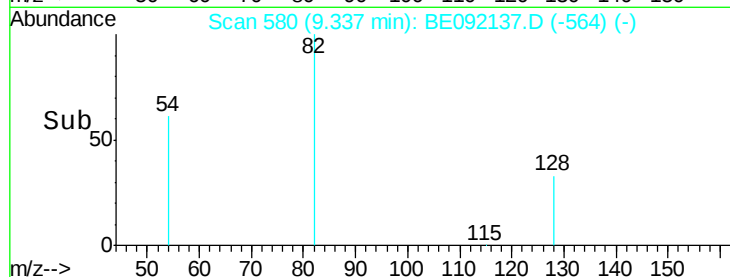
15000

10000

5000

0

Time--> 9.10 9.20 9.30 9.40 9.50



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

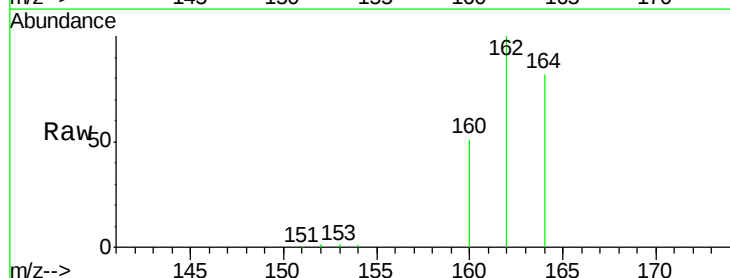
Tgt Ion: 164 Resp: 27563

Ion Ratio Lower Upper

164 100

162 122.5 69.5 104.3#

160 62.9 27.6 41.4#



Abundance Ion 164.00 (163.70 to 164.70): BE092108.D (-992) (-)

Ion 162.00 (161.70 to 162.70): BE092108.D (-992) (-)

Ion 160.00 (159.70 to 160.70): BE092108.D (-992) (-)

14.83

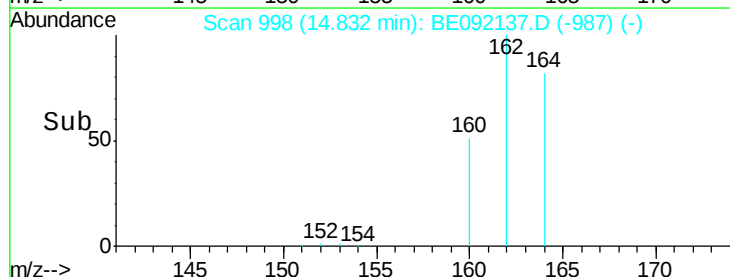
15000

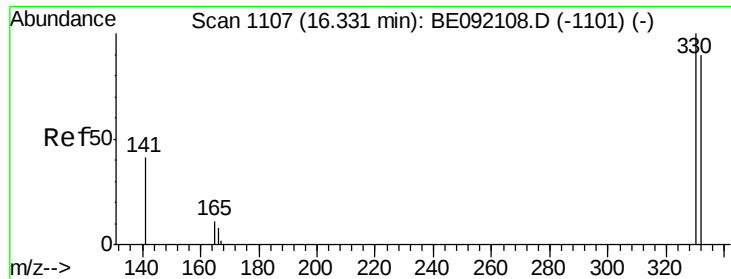
10000

5000

0

Time--> 14.70 14.80 14.90 15.00

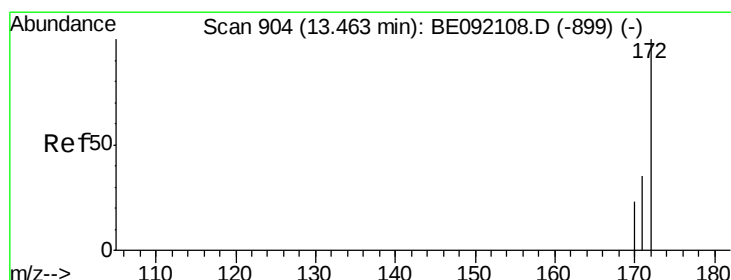
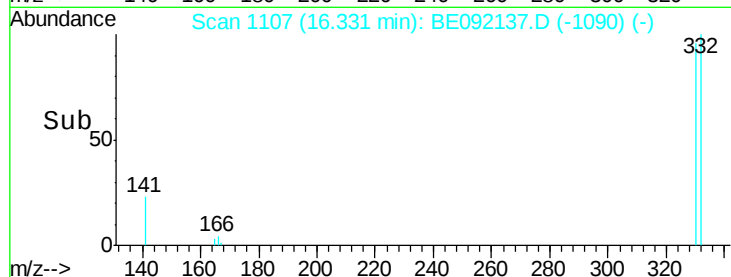
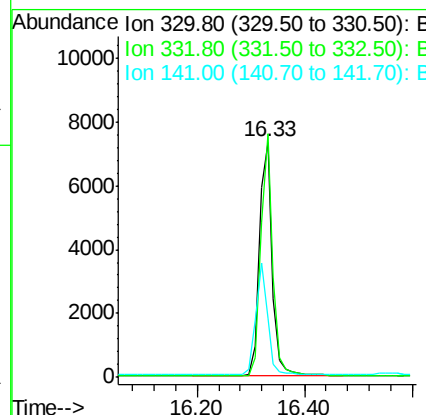
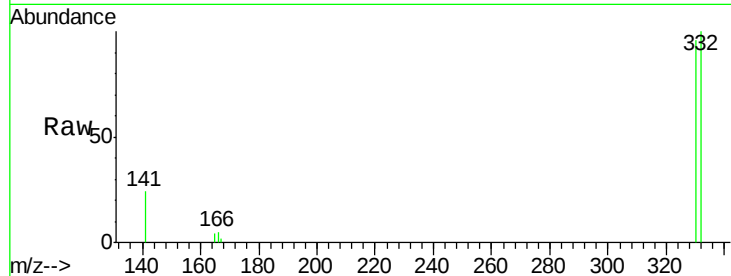




#11
 2,4,6-Tribromophenol
 Concen: 13.79 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092137.D
 Acq: 3 Aug 2016 7:30

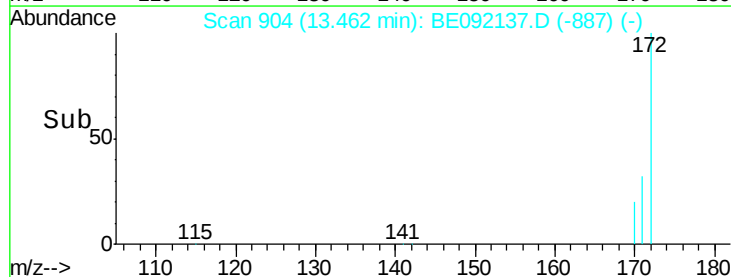
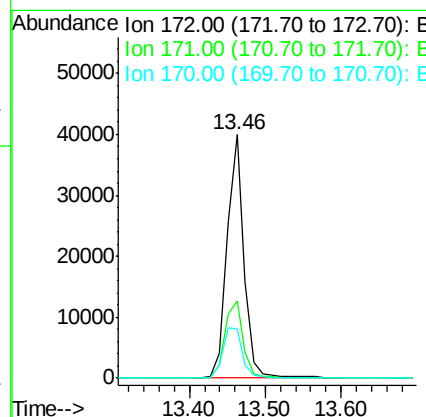
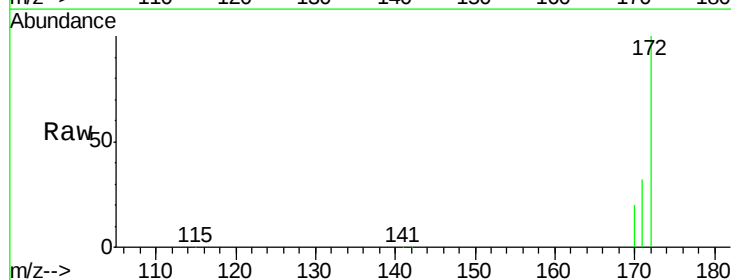
Instrument :
 BNA_E
 ClientSampleId :
 GW-41-7.8-15.0

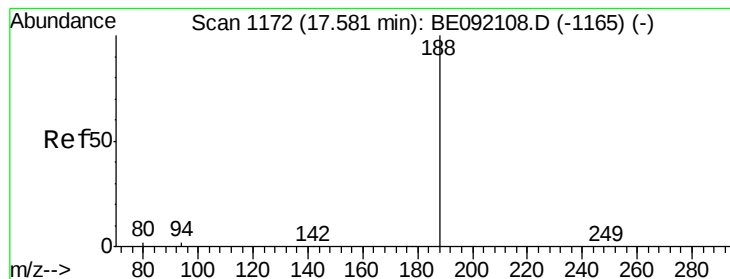
Tgt Ion:330 Resp: 12343
 Ion Ratio Lower Upper
 330 100
 332 97.5 74.2 111.4
 141 44.2 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 7.21 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092137.D
 Acq: 3 Aug 2016 7:30

Tgt Ion:172 Resp: 62980
 Ion Ratio Lower Upper
 172 100
 171 31.9 30.3 45.5
 170 20.0 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: BE092137.D

Acq: 3 Aug 2016 7:30

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

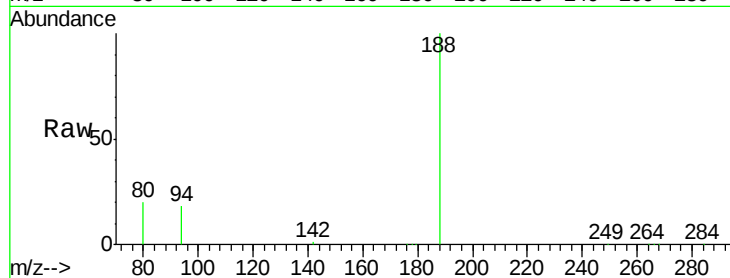
Tgt Ion:188 Resp: 56791

Ion Ratio Lower Upper

188 100

94 18.3 3.9 5.9#

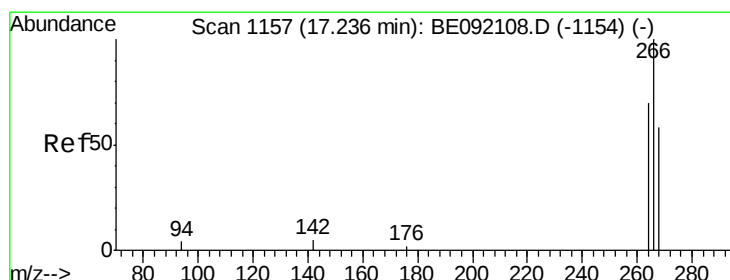
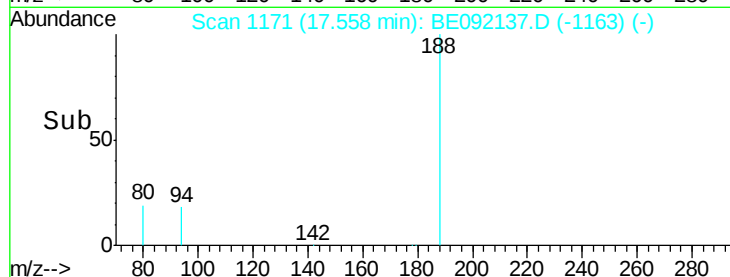
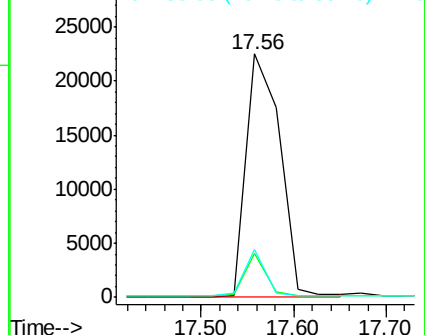
80 19.8 3.4 5.0#



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: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

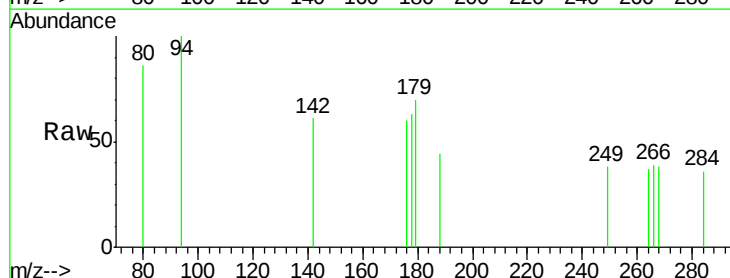
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

268 98.0 62.7 94.1#

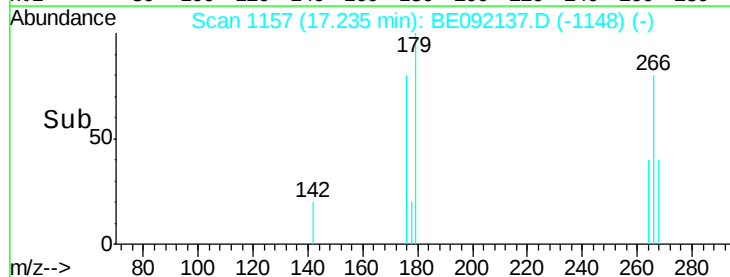
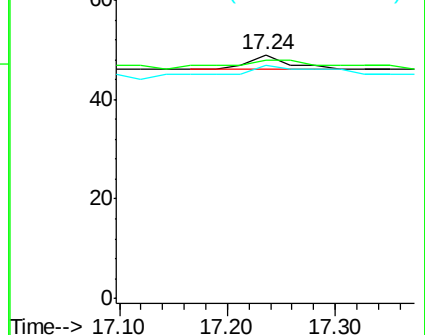
264 95.9 63.5 95.3#

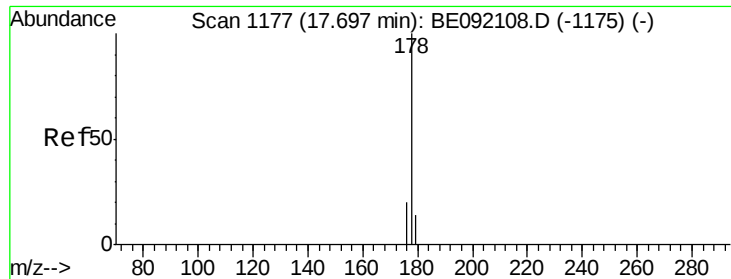


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#20

Anthracene

Concen: 0.02 ng

RT: 17.70 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE092137.D

Acq: 3 Aug 2016 7:30

Instrument :

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GW-41-7.8-15.0

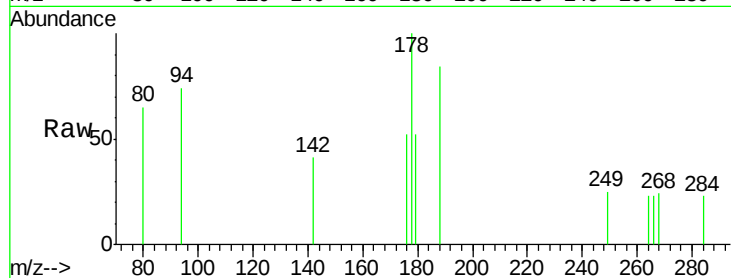
Tgt Ion:178 Resp: 311

Ion Ratio Lower Upper

178 100

176 25.4 15.2 22.8#

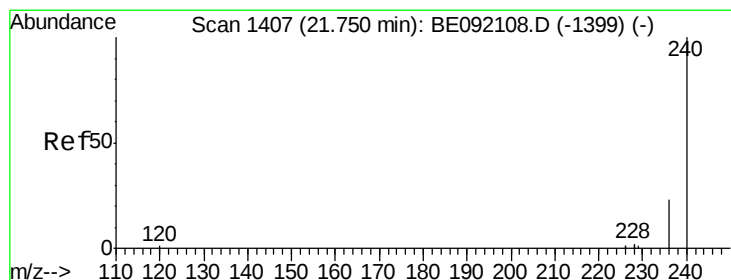
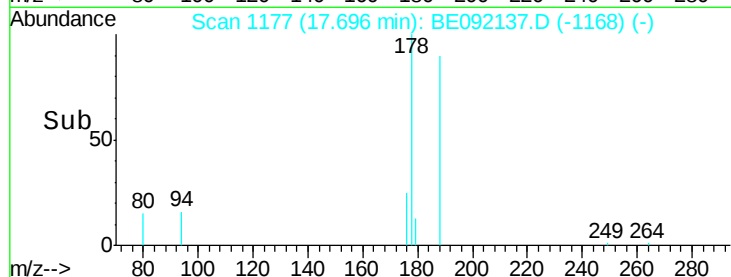
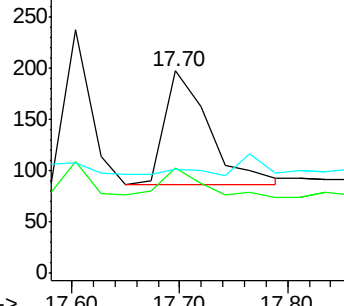
179 0.0 12.2 18.4#



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: BE092137.D

Acq: 3 Aug 2016 7:30

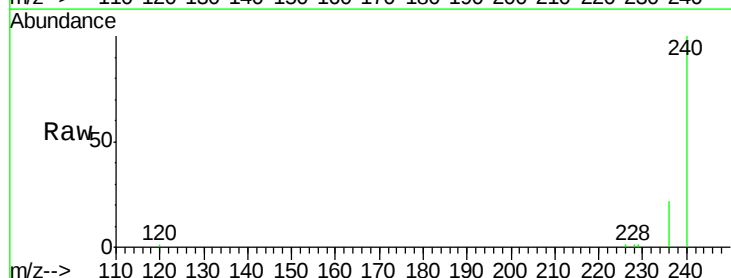
Tgt Ion:240 Resp: 58670

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

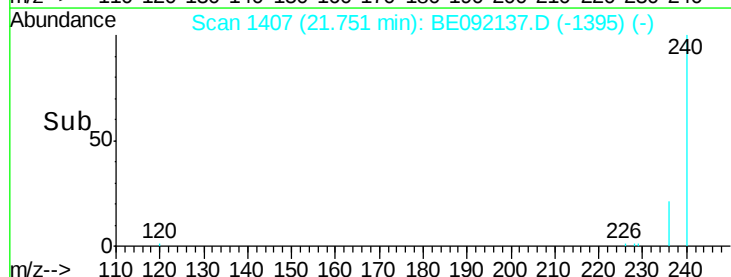
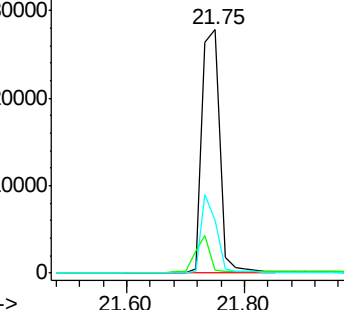
236 21.5 18.2 27.4

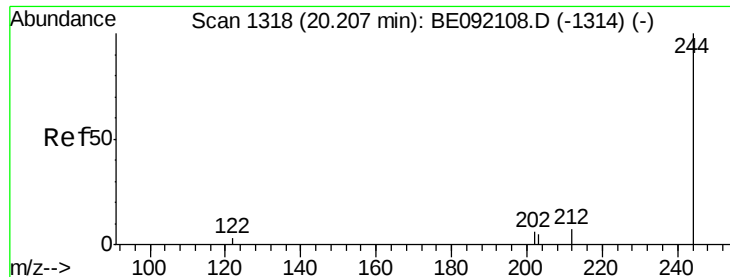


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

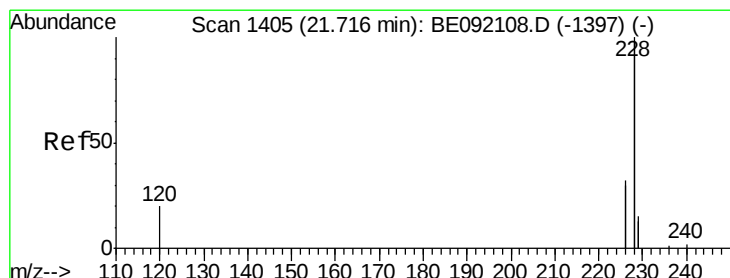
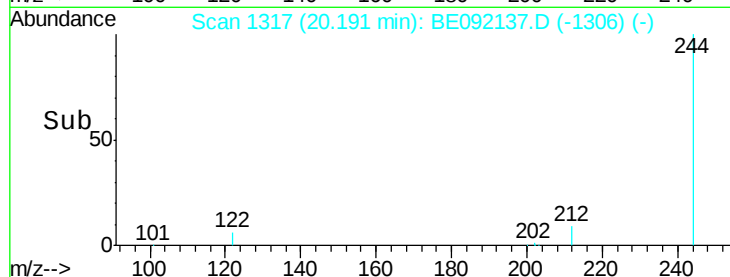
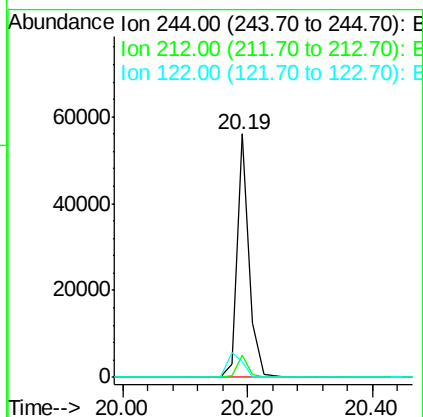
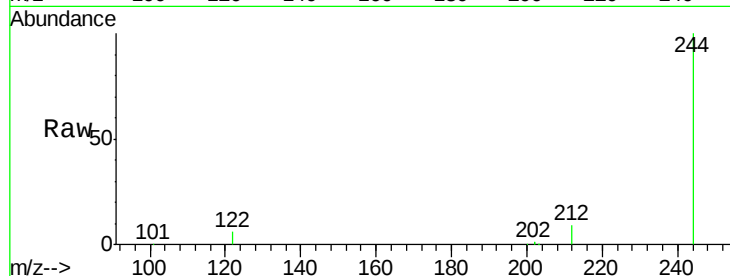




#24
 Terphenyl-d14
 Concen: 8.84 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092137.D
 Acq: 3 Aug 2016 7:30

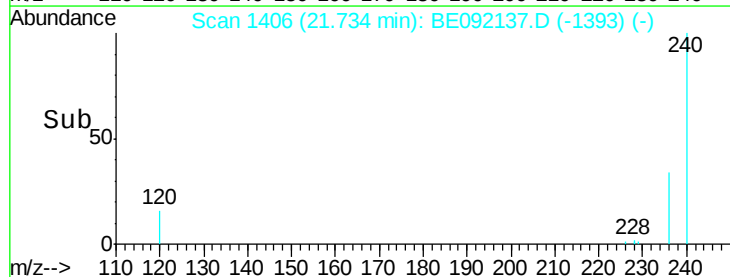
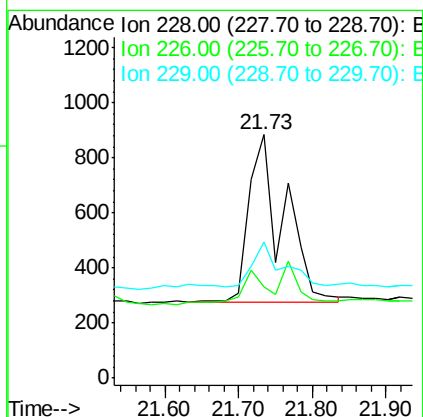
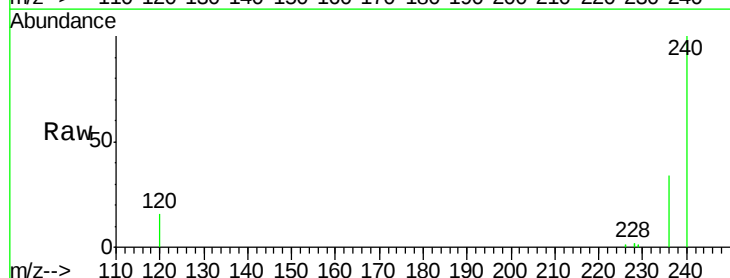
Instrument :
 BNA_E
 ClientSampleId :
 GW-41-7.8-15.0

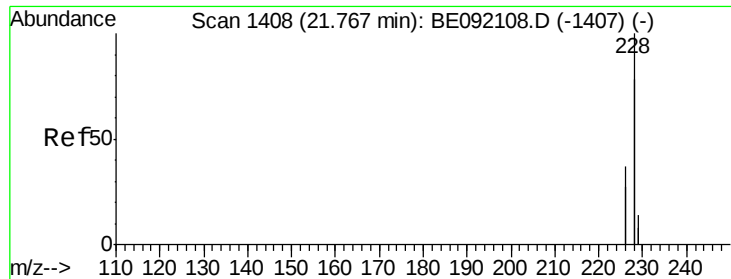
Tgt Ion:244 Resp: 74506
 Ion Ratio Lower Upper
 244 100
 212 8.9 9.1 13.7#
 122 6.4 11.0 16.4#



#25
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.73 min Scan# 1406
 Delta R.T. 0.02 min
 Lab File: BE092137.D
 Acq: 3 Aug 2016 7:30

Tgt Ion:228 Resp: 1982
 Ion Ratio Lower Upper
 228 100
 226 37.3 22.1 33.1#
 229 55.9 15.1 22.7#

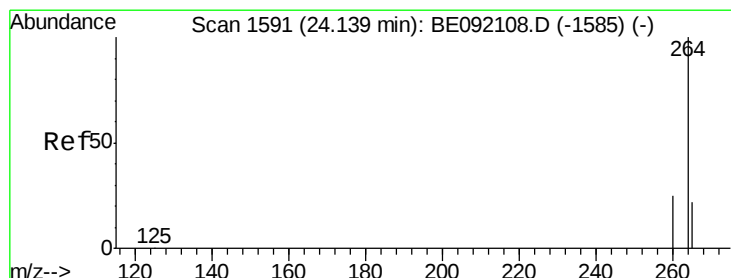
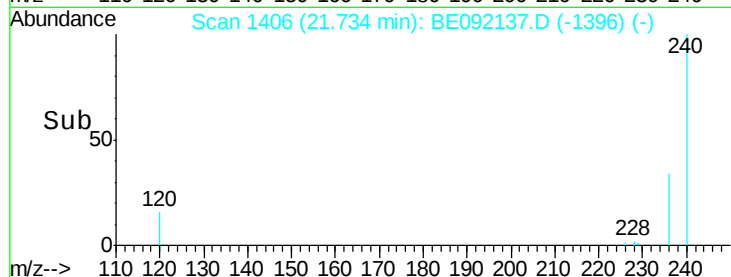
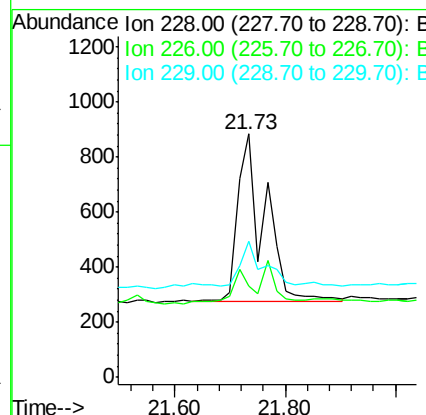
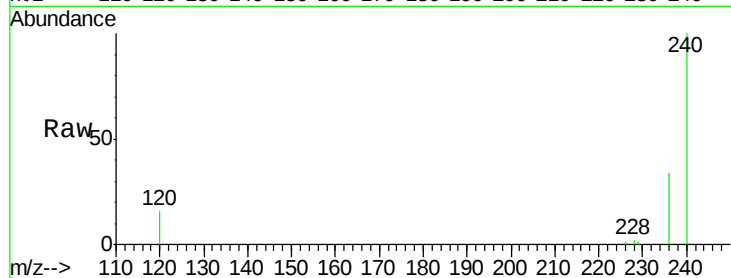




#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092137.D
Acq: 3 Aug 2016 7:30

Instrument :
BNA_E
ClientSampleId :
GW-41-7.8-15.0

Tgt Ion: 228 Resp: 2035
Ion Ratio Lower Upper
228 100
226 37.3 22.3 33.5#
229 55.9 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: BE092137.D
Acq: 3 Aug 2016 7:30

Tgt Ion: 264 Resp: 58157
Ion Ratio Lower Upper
264 100
260 24.5 20.8 31.2
265 23.2 16.6 25.0

