

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092138.D
 Acq On : 3 Aug 2016 8:05
 Operator : UM/SJ
 Sample : H4205-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-42-6.1-15.0

Quant Time: Aug 03 08:40:12 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

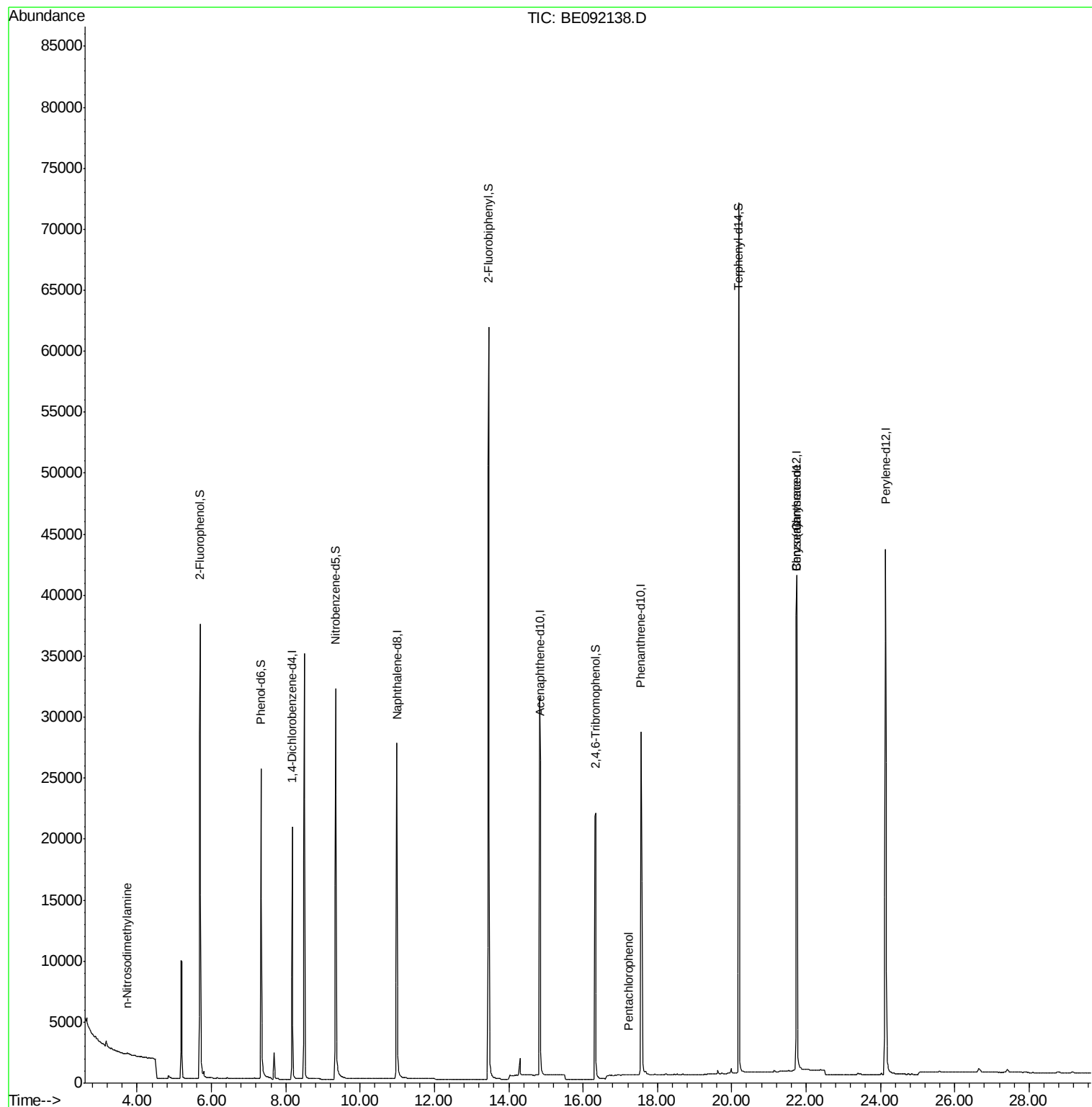
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10939	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	47111	5.00	ng	0.00
10) Acenaphthene-d10	14.85	164	24861	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	51267	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	61548	5.00	ng	0.00
28) Perylene-d12	24.14	264	64676	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	31711	11.29	ng	0.00
5) Phenol-d6	7.34	99	28048	7.49	ng	-0.01
7) Nitrobenzene-d5	9.34	82	32051	8.62	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	16573	20.53	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	67174	8.53	ng	0.00
24) Terphenyl-d14	20.19	244	85962	9.73	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.73	42	83	0.13	ng	# 1
8) Naphthalene	11.03	128	81	Below Cal		# 1
18) Pentachlorophenol	17.24	266	6	0.20	ng	# 77
19) Phenanthrene	17.60	178	209	Below Cal		# 80
25) Benzo(a)anthracene	21.73	228	1576	0.02	ng	# 59
26) Chrysene	21.73	228	1613	0.02	ng	# 61
30) Benzo(k)fluoranthene	23.46	252	122	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: BE092138.D

Acq: 3 Aug 2016 8:05

Instrument :

BNA_E

ClientSampleId :

GW-42-6.1-15.0

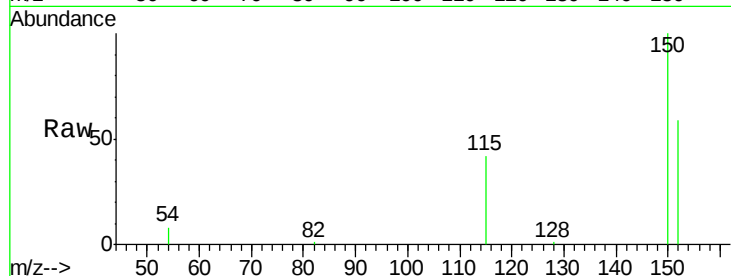
Tgt Ion:152 Resp: 10939

Ion Ratio Lower Upper

152 100

150 169.1 106.0 159.0#

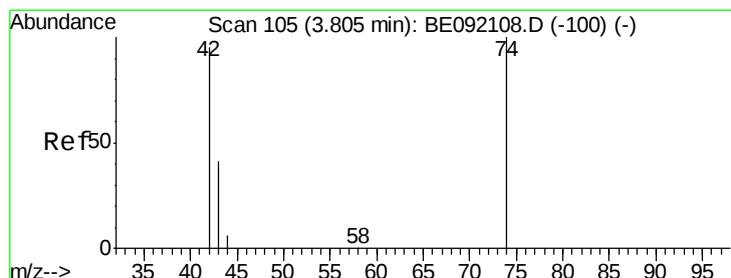
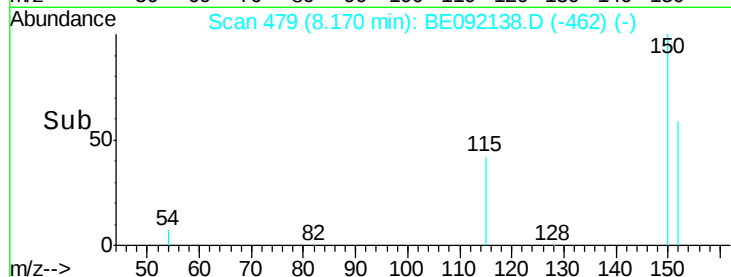
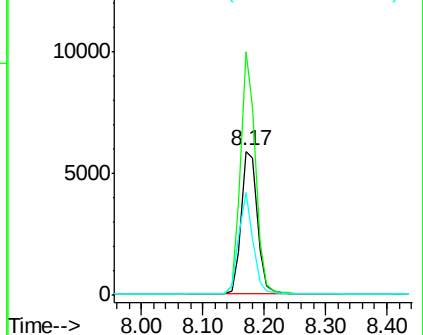
115 71.1 36.9 55.3#



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



#3

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.07 min

Lab File: BE092138.D

Acq: 3 Aug 2016 8:05

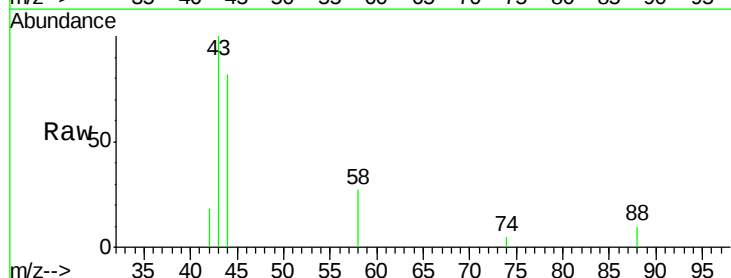
Tgt Ion: 42 Resp: 83

Ion Ratio Lower Upper

42 100

74 1.2 82.8 124.2#

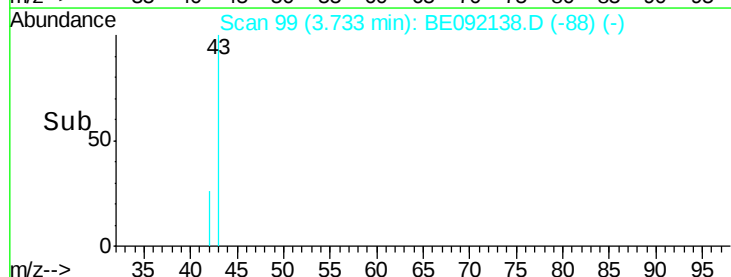
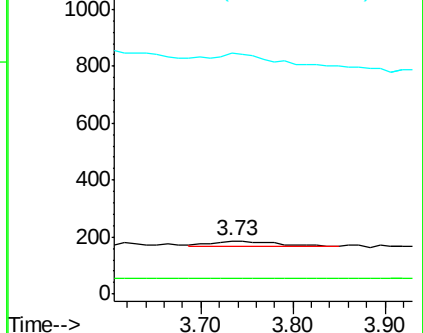
44 445.8 9.0 13.4#

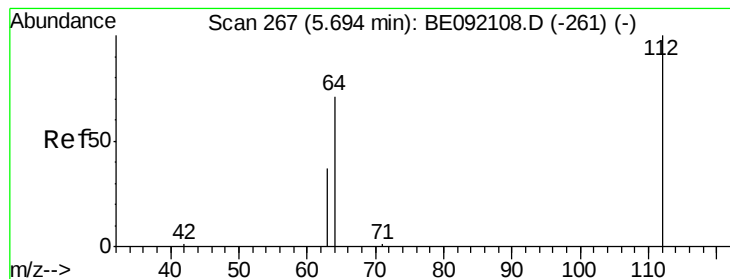


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 11.29 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092138.D

Acq: 3 Aug 2016 8:05

Instrument :

BNA_E

ClientSampleId :

GW-42-6.1-15.0

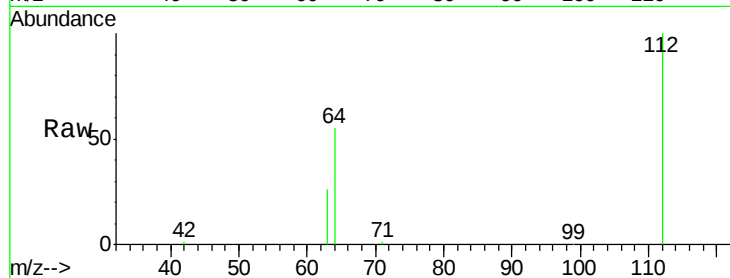
Tgt Ion: 112 Resp: 31711

Ion Ratio Lower Upper

112 100

64 67.0 55.9 83.9

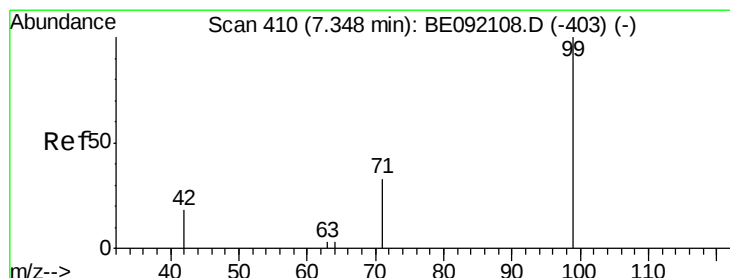
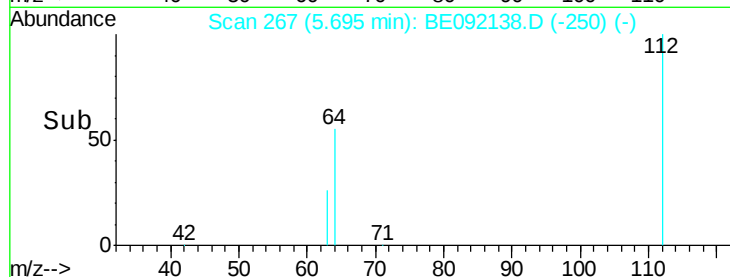
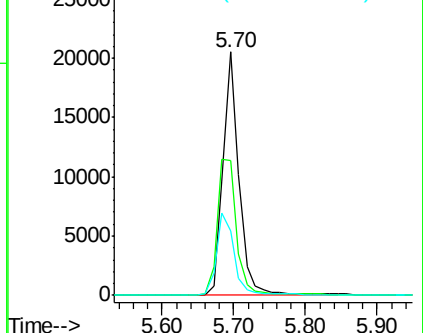
63 36.2 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 7.49 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092138.D

Acq: 3 Aug 2016 8:05

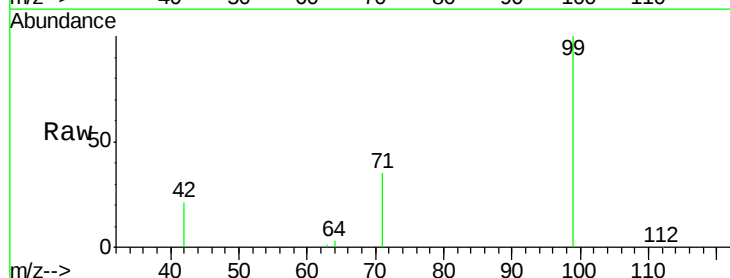
Tgt Ion: 99 Resp: 28048

Ion Ratio Lower Upper

99 100

42 24.8 22.4 33.6

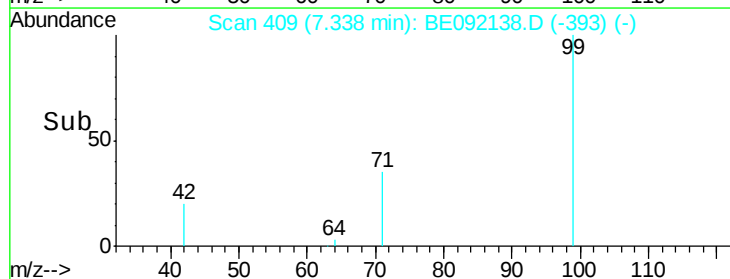
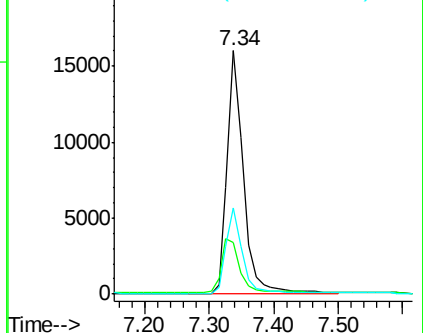
71 35.2 28.9 43.3

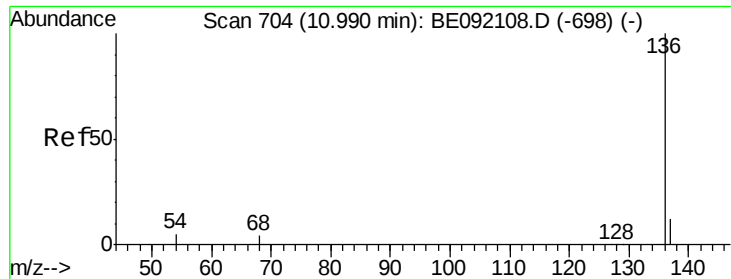


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

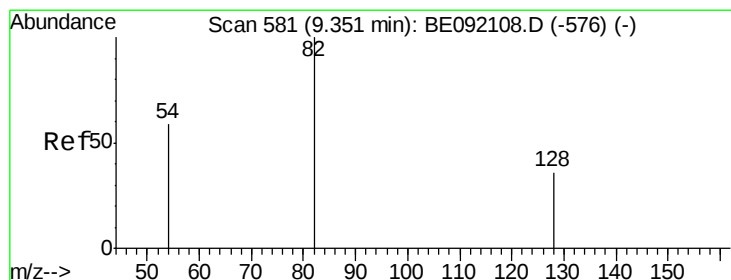
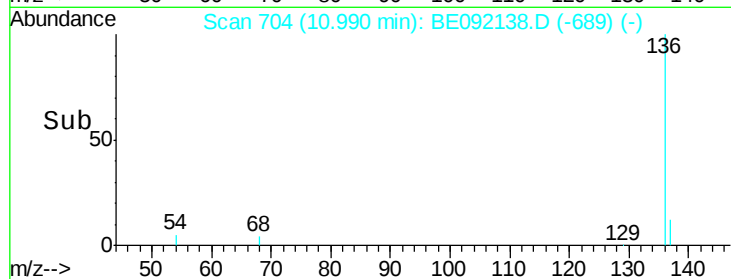
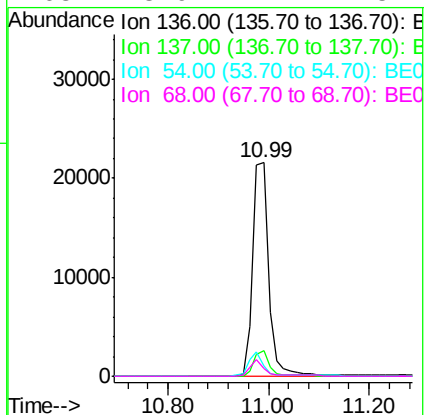
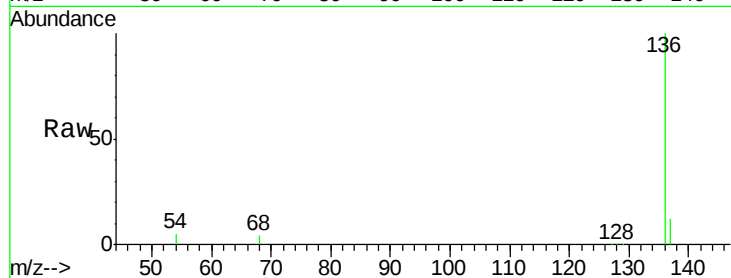




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092138.D
Acq: 3 Aug 2016 8:05

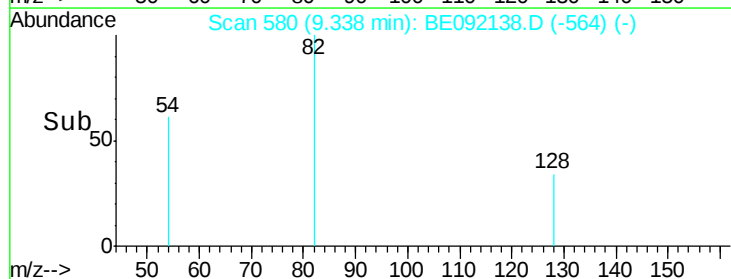
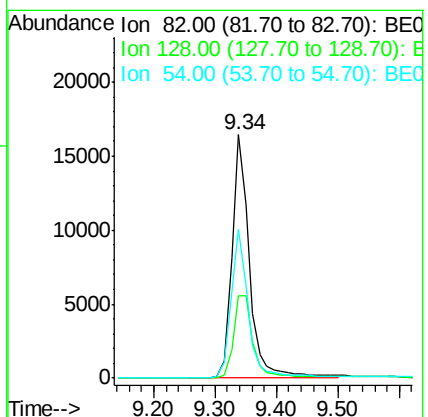
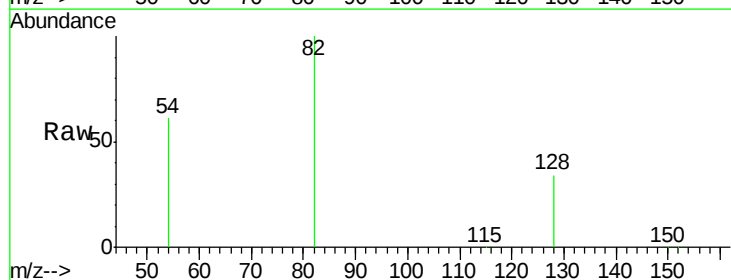
Instrument :
BNA_E
ClientSampleId :
GW-42-6.1-15.0

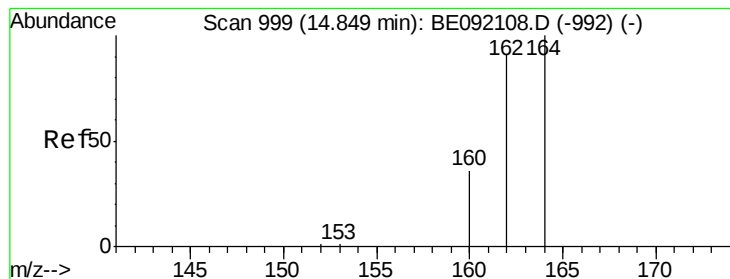
Tgt Ion: 136 Resp: 47111
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 4.8 2.7 4.1#
68 3.9 2.2 3.4#



#7
Nitrobenzene-d5
Concen: 8.62 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092138.D
Acq: 3 Aug 2016 8:05

Tgt Ion: 82 Resp: 32051
Ion Ratio Lower Upper
82 100
128 34.0 33.0 49.4
54 61.3 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: BE092138.D

Acq: 3 Aug 2016 8:05

Instrument :

BNA_E

ClientSampleId :

GW-42-6.1-15.0

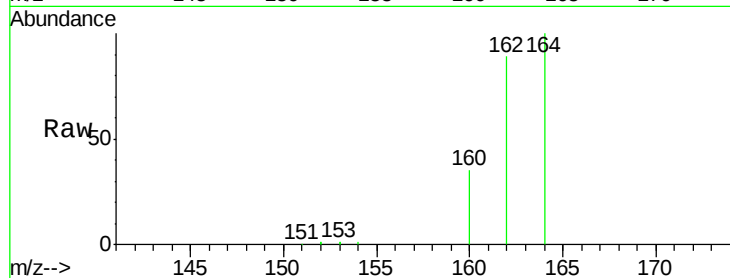
Tgt Ion:164 Resp: 24861

Ion Ratio Lower Upper

164 100

162 88.7 69.5 104.3

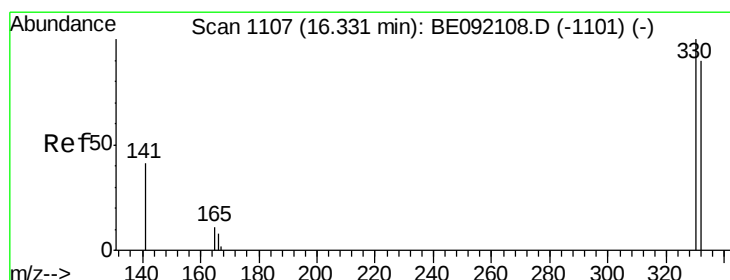
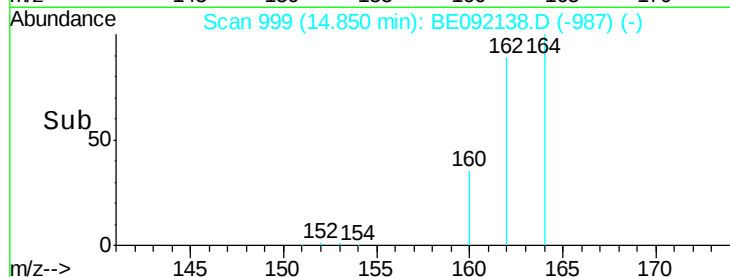
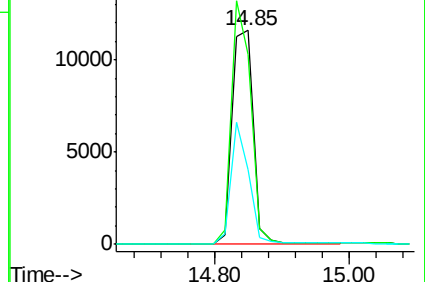
160 34.8 27.6 41.4



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: 20.53 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092138.D

Acq: 3 Aug 2016 8:05

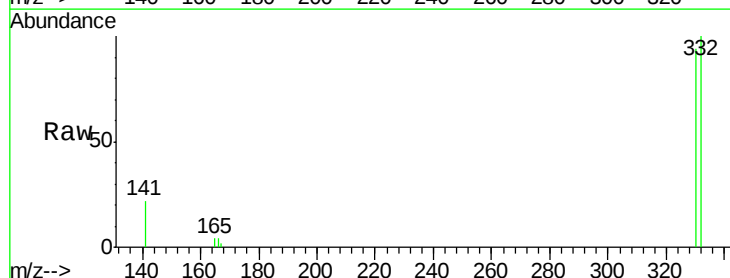
Tgt Ion:330 Resp: 16573

Ion Ratio Lower Upper

330 100

332 96.6 74.2 111.4

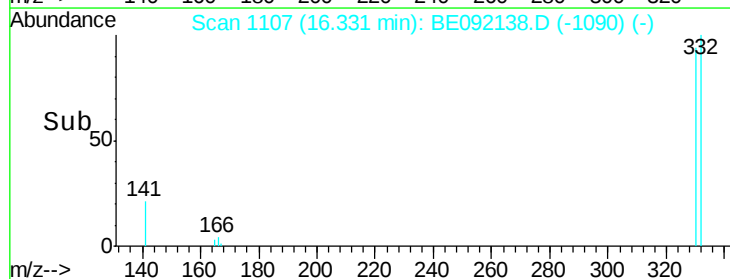
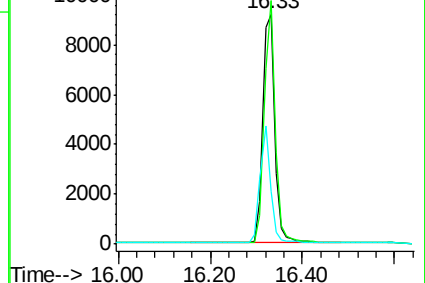
141 43.8 139.8 209.8#

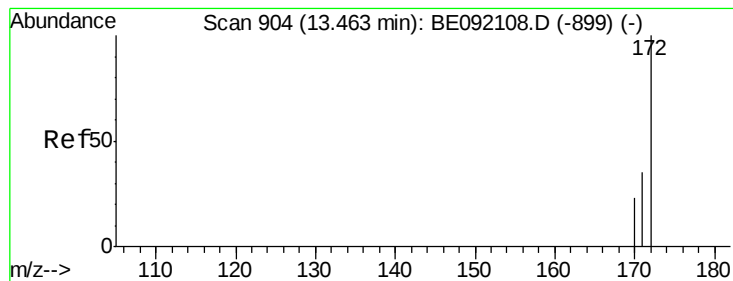


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 8.53 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092138.D

Acq: 3 Aug 2016 8:05

Instrument :

BNA_E

ClientSampleId :

GW-42-6.1-15.0

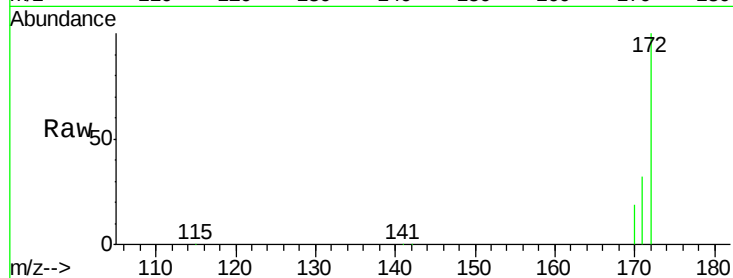
Tgt Ion:172 Resp: 67174

Ion Ratio Lower Upper

172 100

171 31.6 30.3 45.5

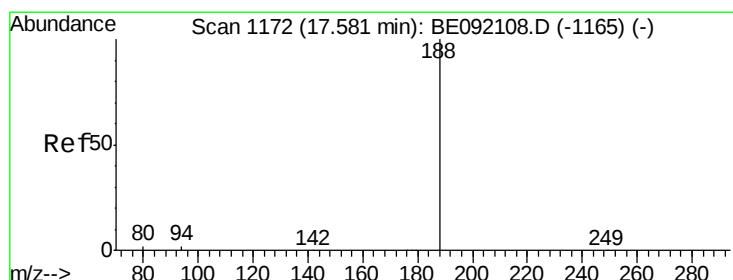
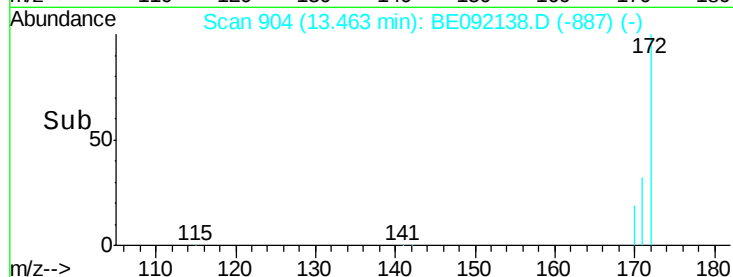
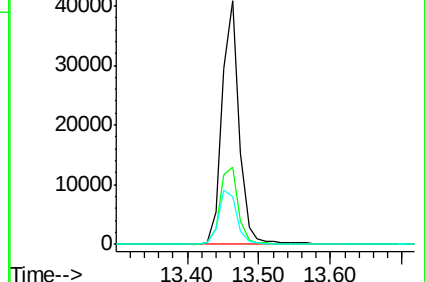
170 19.5 21.6 32.4#



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: BE092138.D

Acq: 3 Aug 2016 8:05

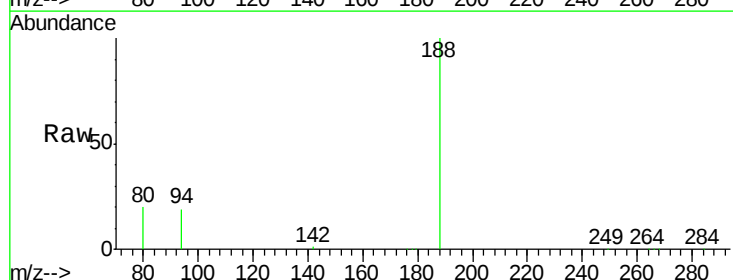
Tgt Ion:188 Resp: 51267

Ion Ratio Lower Upper

188 100

94 19.1 3.9 5.9#

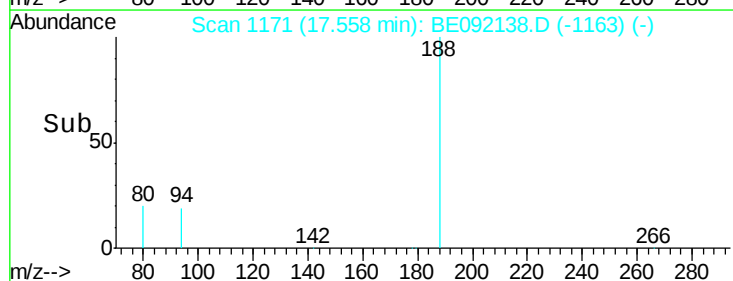
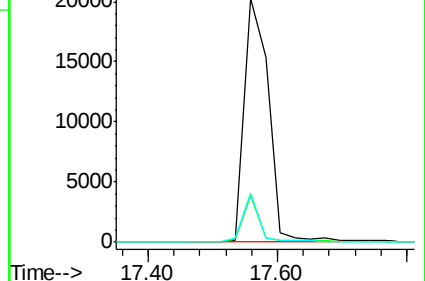
80 20.3 3.4 5.0#

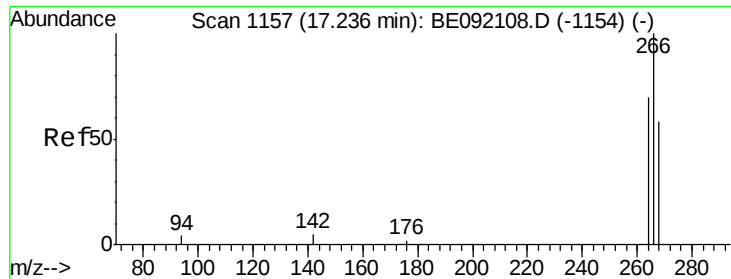


Abundance Ion 188.00 (187.70 to 188.70): E

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: BE092138.D

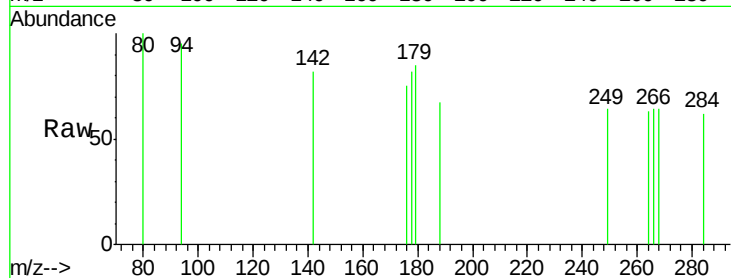
Acq: 3 Aug 2016 8:05

Instrument :

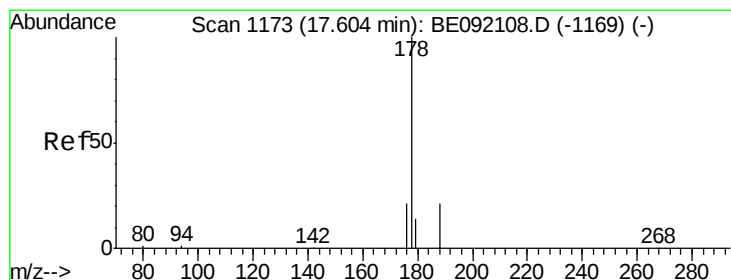
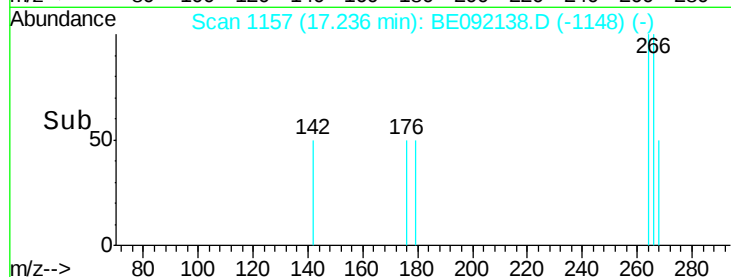
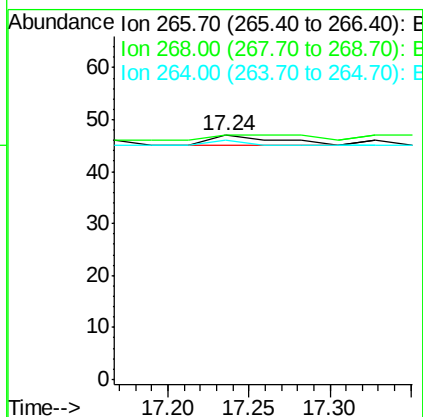
BNA_E

ClientSampleId :

GW-42-6.1-15.0



Tgt Ion:	266	Resp:	6
Ion	Ratio	Lower	Upper
266	100		
268	100.0	62.7	94.1#
264	97.9	63.5	95.3#



#19

Phenanthrene

Concen: Below Cal

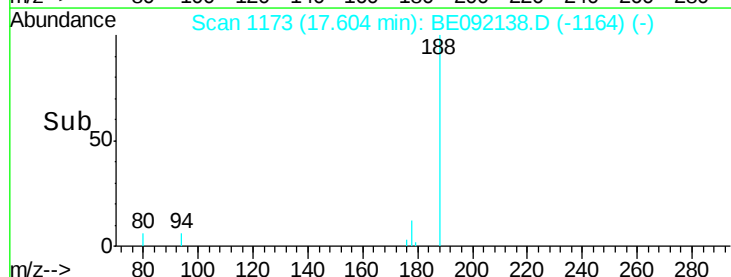
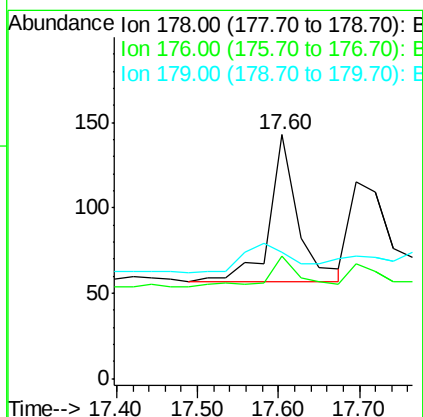
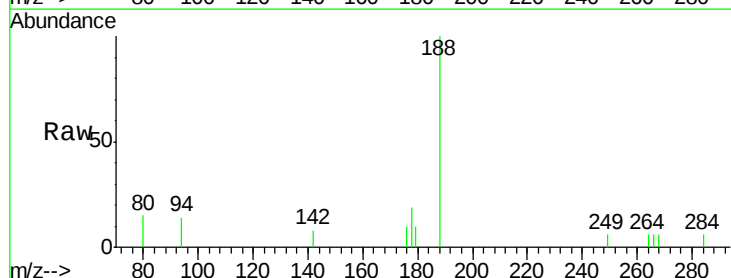
RT: 17.60 min Scan# 1173

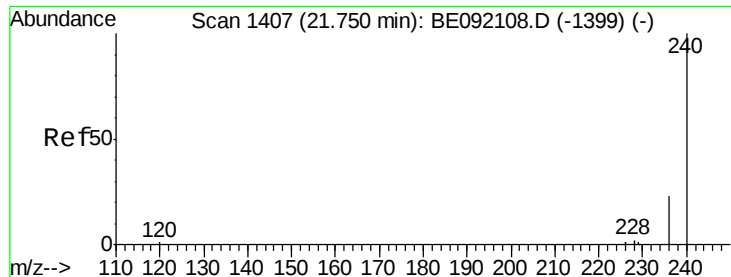
Delta R.T. 0.00 min

Lab File: BE092138.D

Acq: 3 Aug 2016 8:05

Tgt Ion:	178	Resp:	209
Ion	Ratio	Lower	Upper
178	100		
176	22.0	15.4	23.0
179	0.0	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: BE092138.D

Acq: 3 Aug 2016 8:05

Instrument :

BNA_E

ClientSampleId :

GW-42-6.1-15.0

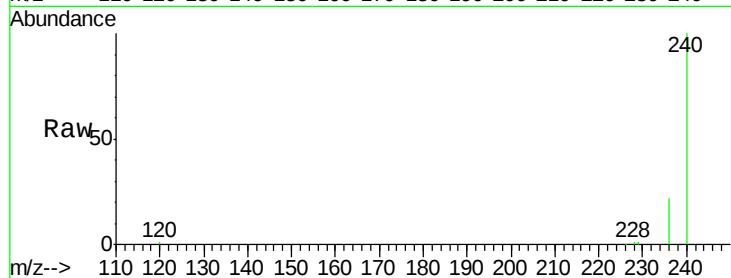
Tgt Ion:240 Resp: 61548

Ion Ratio Lower Upper

240 100

120 1.5 0.6 1.0#

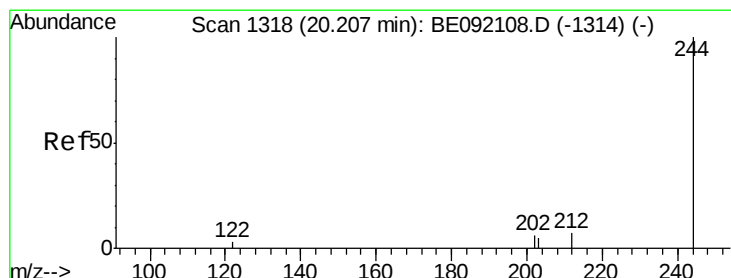
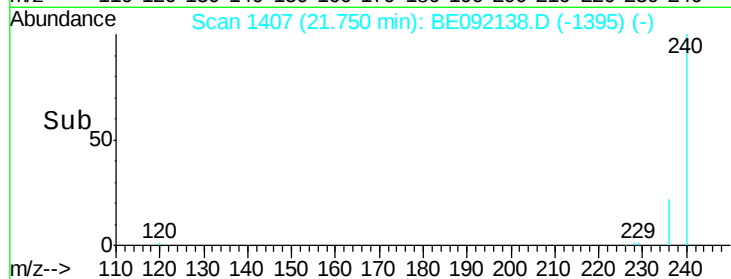
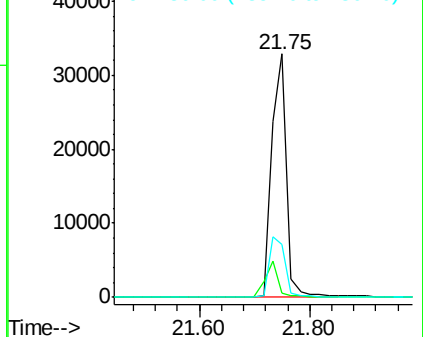
236 21.9 18.2 27.4



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: 9.73 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092138.D

Acq: 3 Aug 2016 8:05

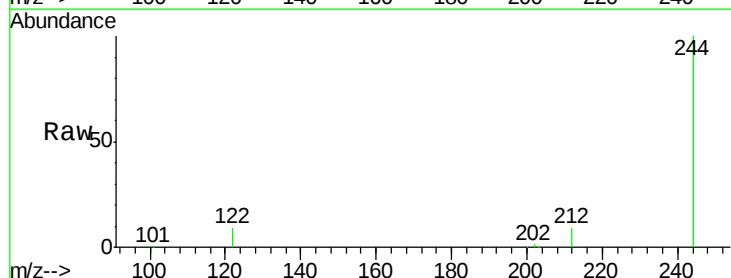
Tgt Ion:244 Resp: 85962

Ion Ratio Lower Upper

244 100

212 9.3 9.1 13.7

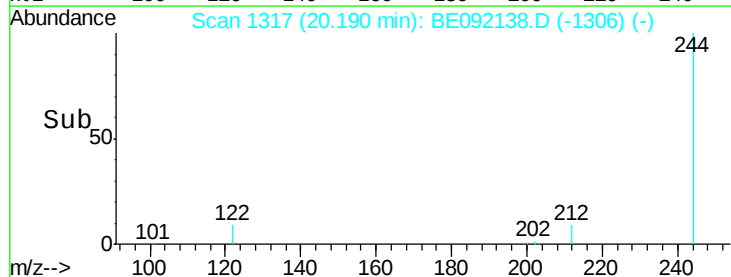
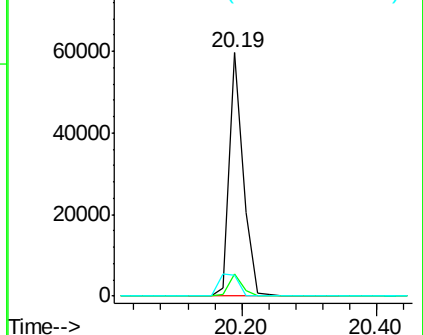
122 8.8 11.0 16.4#

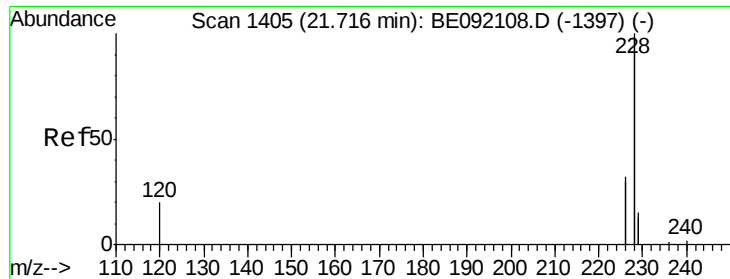


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

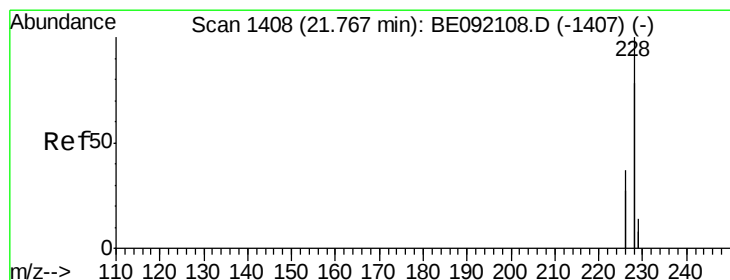
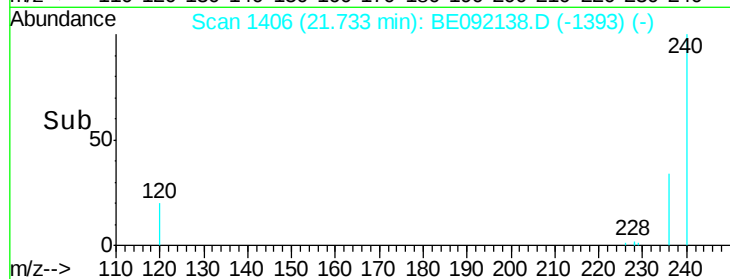
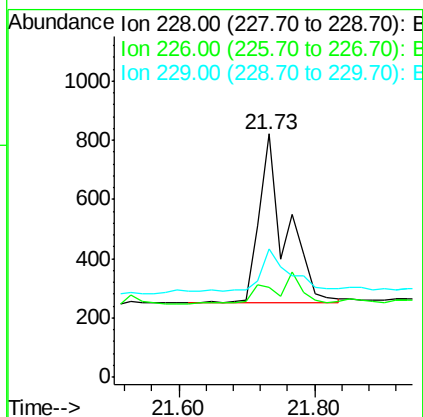
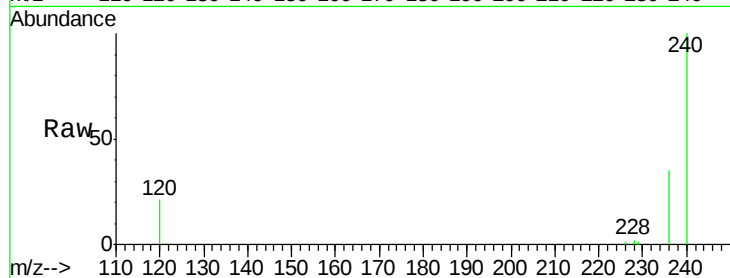




#25
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092138.D
Acq: 3 Aug 2016 8:05

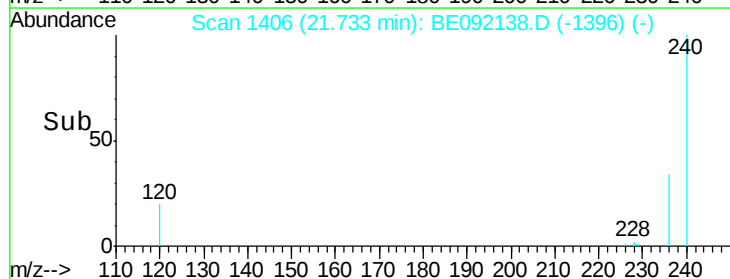
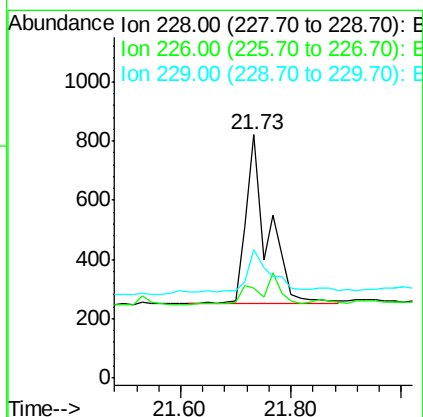
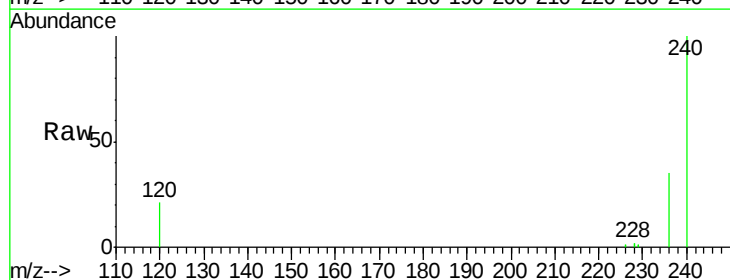
Instrument :
BNA_E
ClientSampleId :
GW-42-6.1-15.0

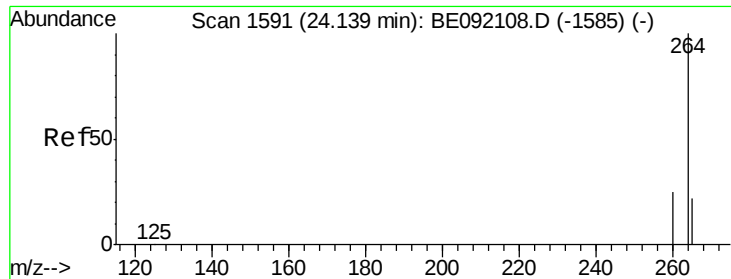
Tgt Ion:228 Resp: 1576
Ion Ratio Lower Upper
228 100
226 37.0 22.1 33.1#
229 52.6 15.1 22.7#



#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092138.D
Acq: 3 Aug 2016 8:05

Tgt Ion:228 Resp: 1613
Ion Ratio Lower Upper
228 100
226 37.0 22.3 33.5#
229 52.6 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: BE092138.D

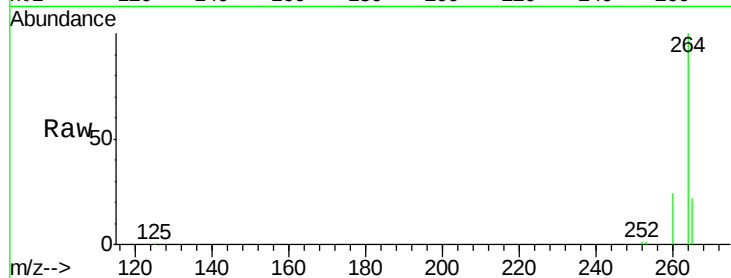
Acq: 3 Aug 2016 8:05

Instrument :

BNA_E

ClientSampleId :

GW-42-6.1-15.0



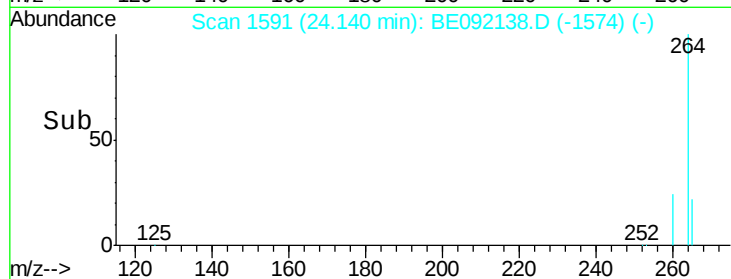
Tgt Ion: 264 Resp: 64676

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.5 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

