

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092133.D
 Acq On : 3 Aug 2016 4:57
 Operator : UM/SJ
 Sample : H4205-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-37-7.0-15.0

Quant Time: Aug 03 07:14:59 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	10849	5.00	ng	0.01
6) Naphthalene-d8	10.99	136	48425	5.00	ng	0.00
10) Acenaphthene-d10	14.83	164	26022	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58860	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	72926	5.00	ng	-0.02
28) Perylene-d12	24.14	264	75914	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	11388	4.09	ng	0.00
5) Phenol-d6	7.34	99	9361	2.52	ng	-0.01
7) Nitrobenzene-d5	9.34	82	13891	3.64	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	6713	7.94	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	32265	3.91	ng	0.00
24) Terphenyl-d14	20.19	244	46754	4.46	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.73	42	10	0.10	ng	# 41
8) Naphthalene	11.03	128	87	Below Cal		# 1
18) Pentachlorophenol	17.24	266	10	0.20	ng	# 78
19) Phenanthrene	17.60	178	417	Below Cal		# 74
25) Benzo(a)anthracene	21.73	228	1635	0.02	ng	# 70
26) Chrysene	21.73	228	1665	0.02	ng	# 72
30) Benzo(k)fluoranthene	23.40	252	127	Below Cal		# 1

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

```
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Misc      :  
ALS Vial  : 17 Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 480

Delta R.T. 0.01 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

Instrument :

BNA_E

ClientSampleId :

GW-37-7.0-15.0

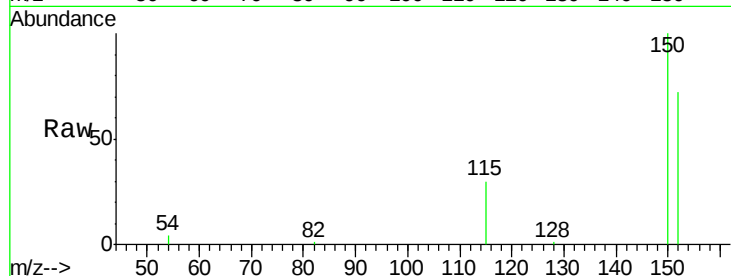
Tgt Ion:152 Resp: 10849

Ion Ratio Lower Upper

152 100

150 138.3 106.0 159.0

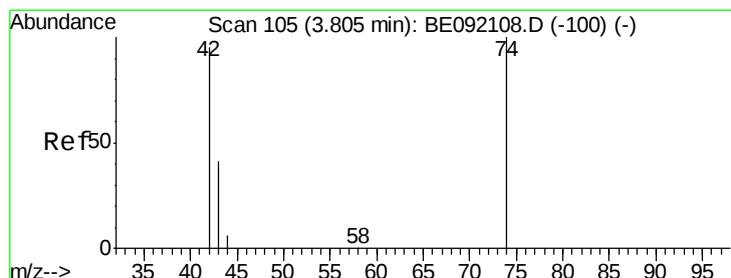
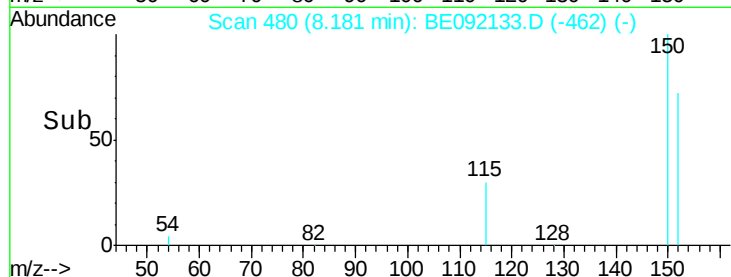
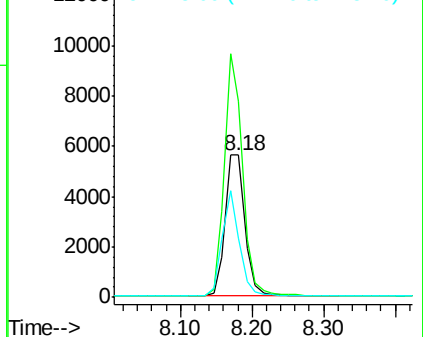
115 42.0 36.9 55.3



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



#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.07 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

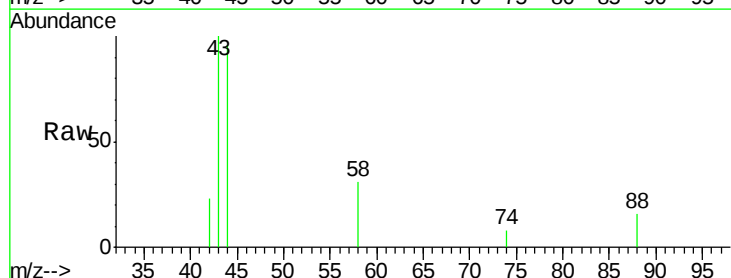
Tgt Ion: 42 Resp: 10

Ion Ratio Lower Upper

42 100

74 40.0 82.8 124.2#

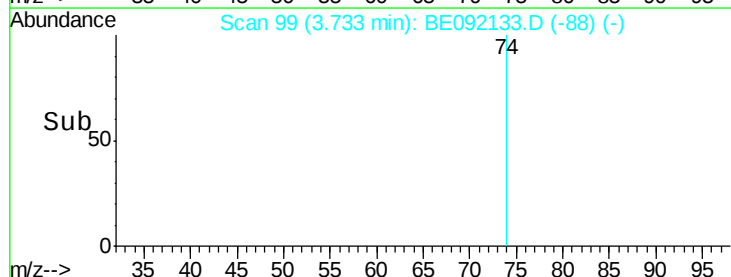
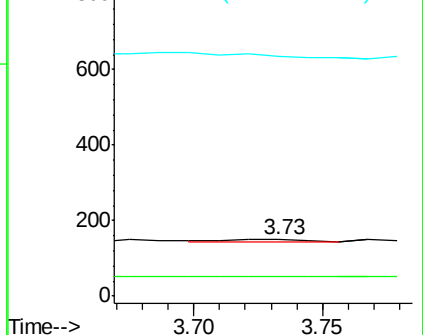
44 0.0 9.0 13.4#

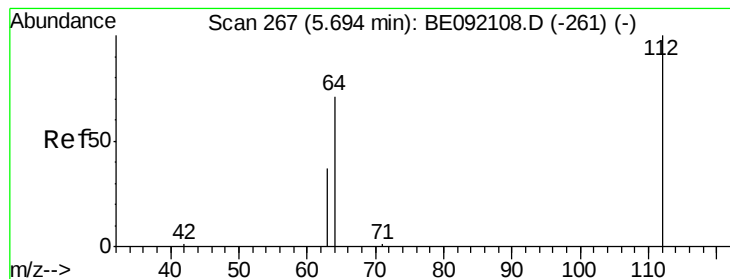


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.09 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

Instrument :

BNA_E

ClientSampleId :

GW-37-7.0-15.0

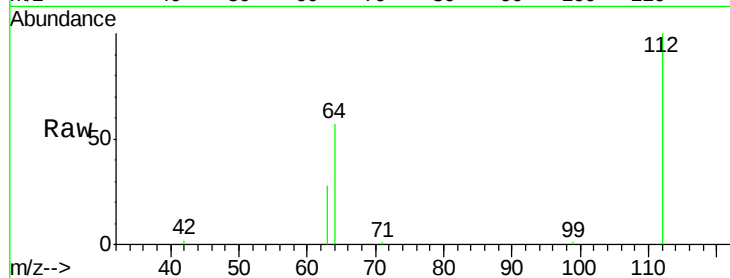
Tgt Ion: 112 Resp: 11388

Ion Ratio Lower Upper

112 100

64 66.8 55.9 83.9

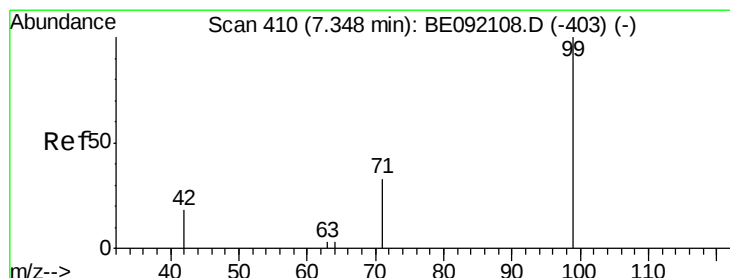
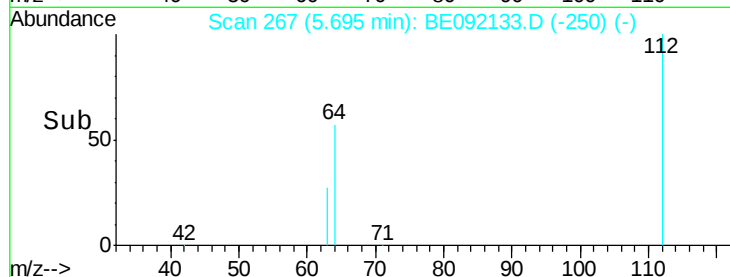
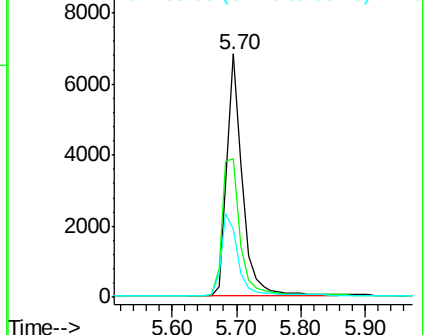
63 36.4 31.1 46.7



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: 2.52 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

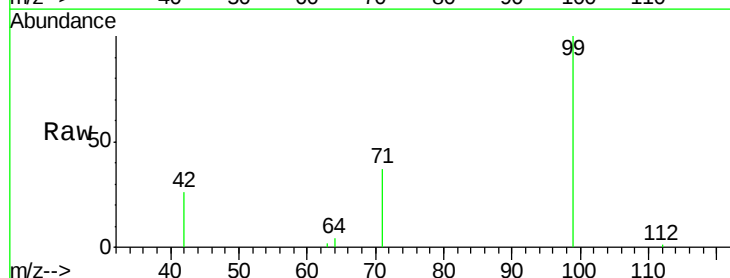
Tgt Ion: 99 Resp: 9361

Ion Ratio Lower Upper

99 100

42 24.6 22.4 33.6

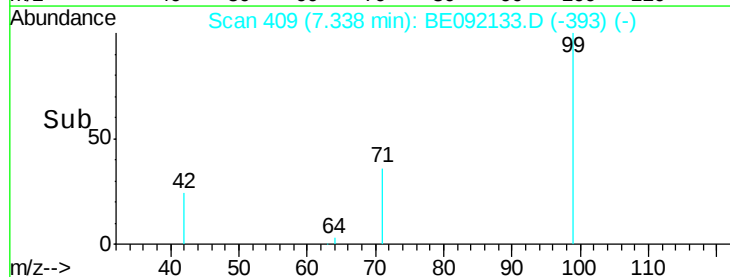
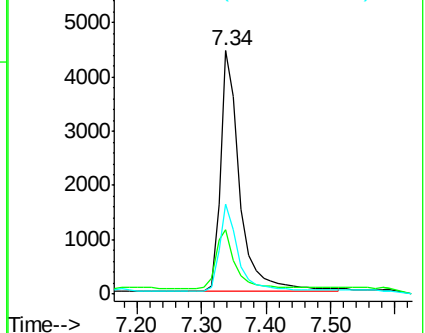
71 34.8 28.9 43.3

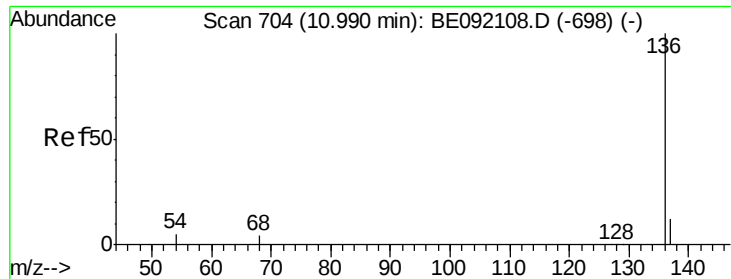


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

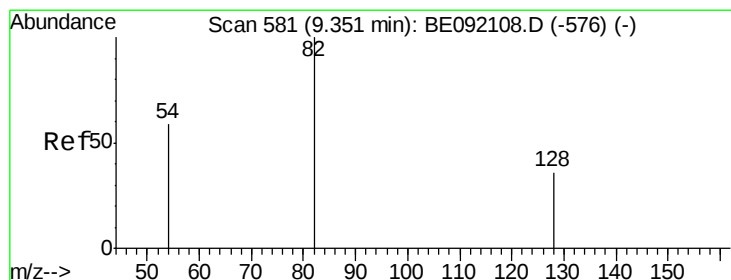
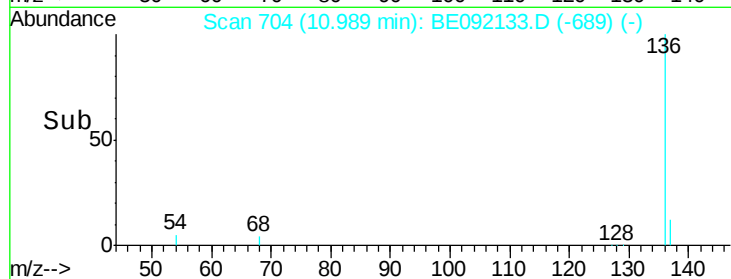
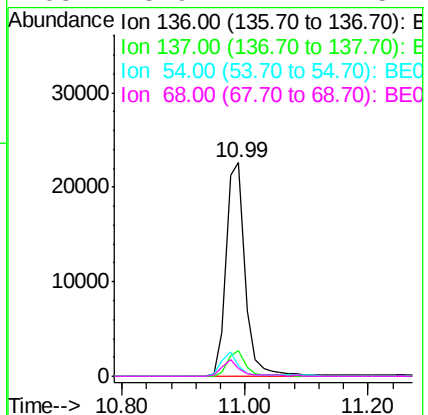
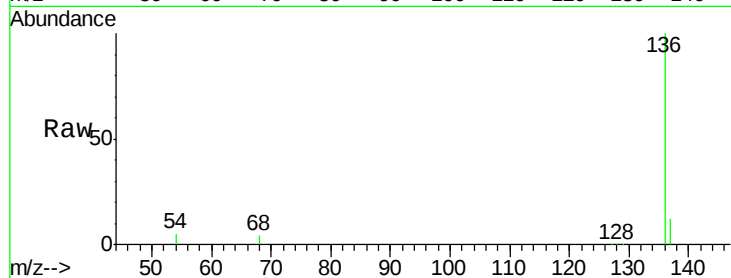




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092133.D
Acq: 3 Aug 2016 4:57

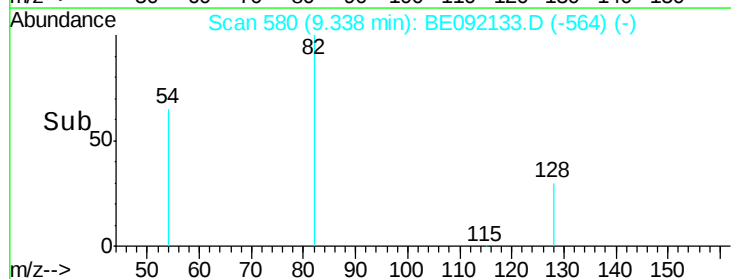
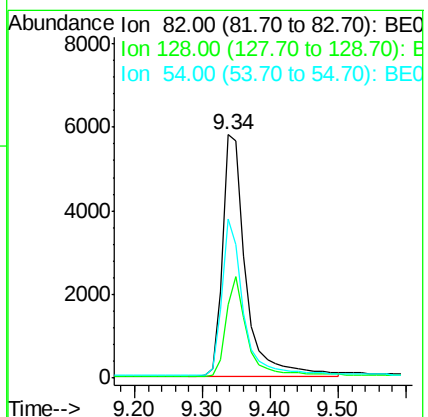
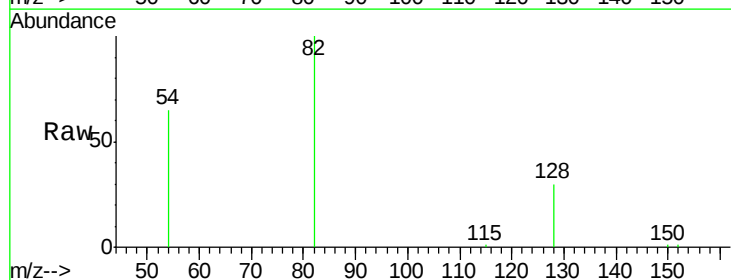
Instrument :
BNA_E
ClientSampleId :
GW-37-7.0-15.0

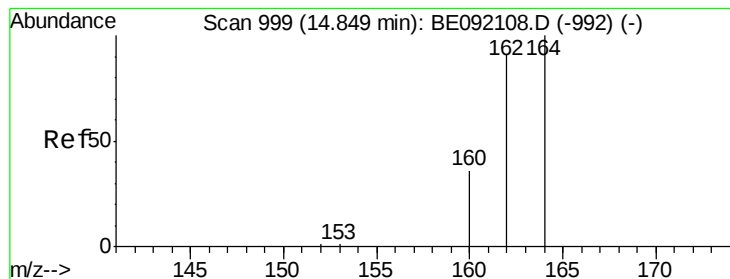
Tgt Ion: 136 Resp: 48425
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 4.9 2.7 4.1#
68 3.9 2.2 3.4#



#7
Nitrobenzene-d5
Concen: 3.64 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092133.D
Acq: 3 Aug 2016 4:57

Tgt Ion: 82 Resp: 13891
Ion Ratio Lower Upper
82 100
128 30.4 33.0 49.4#
54 65.2 42.6 63.8#





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

Instrument :

BNA_E

ClientSampleId :

GW-37-7.0-15.0

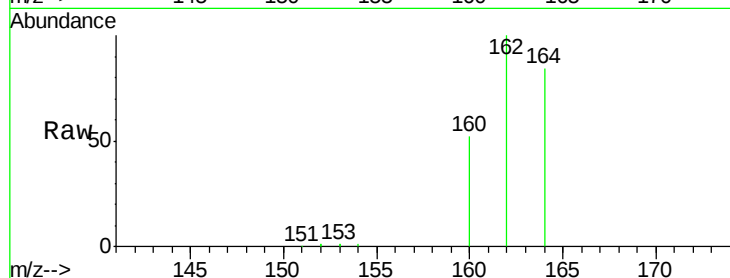
Tgt Ion:164 Resp: 26022

Ion Ratio Lower Upper

164 100

162 118.9 69.5 104.3#

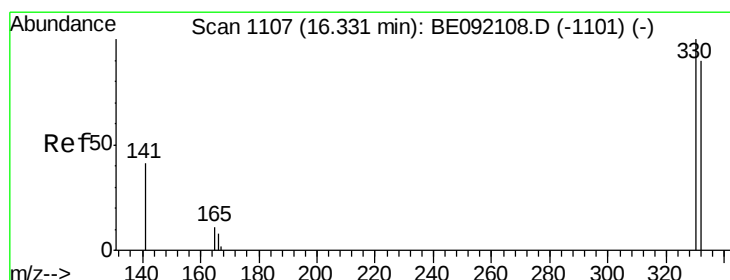
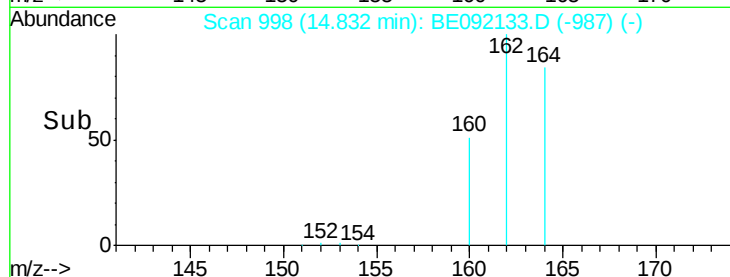
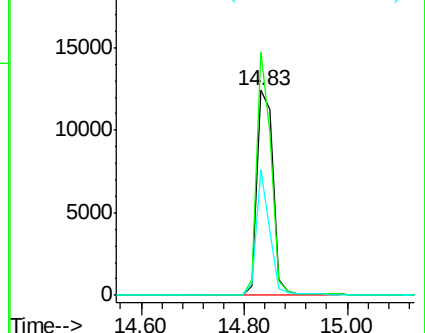
160 61.3 27.6 41.4#



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: 7.94 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

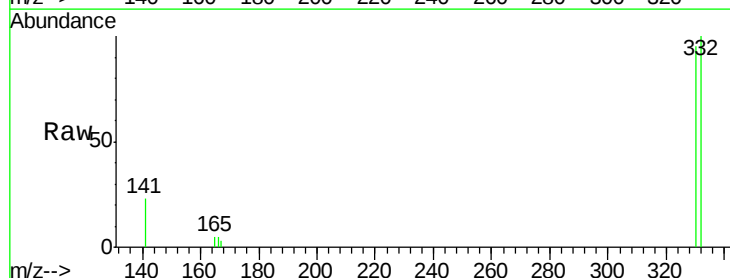
Tgt Ion:330 Resp: 6713

Ion Ratio Lower Upper

330 100

332 97.5 74.2 111.4

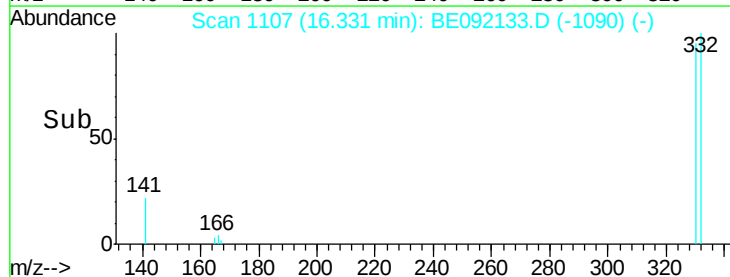
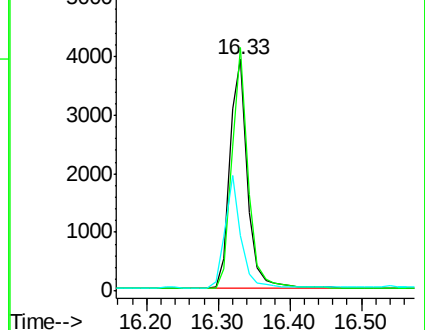
141 44.5 139.8 209.8#

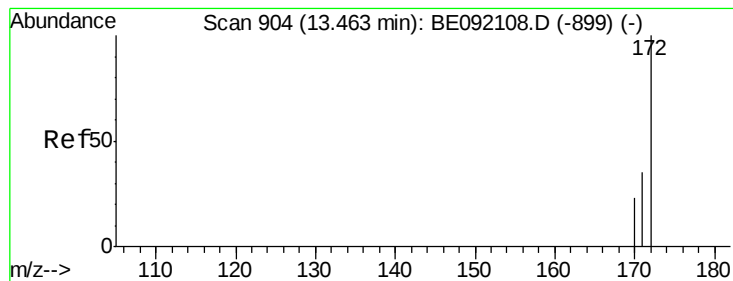


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 3.91 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

Instrument :

BNA_E

ClientSampleId :

GW-37-7.0-15.0

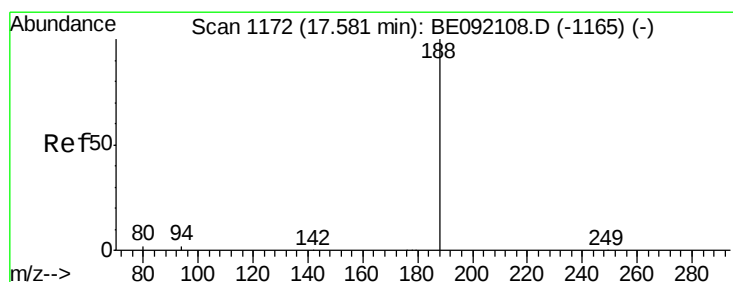
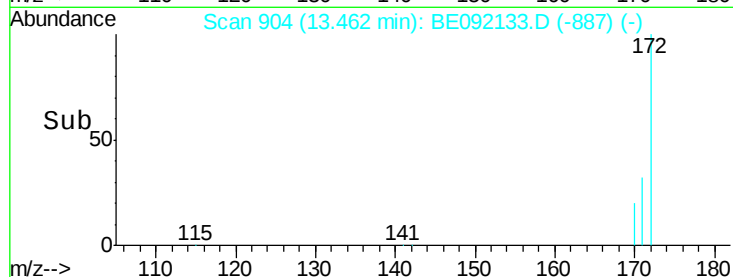
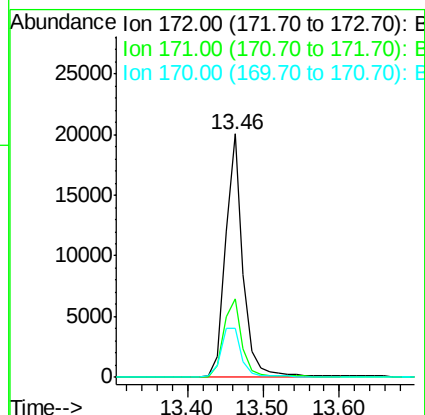
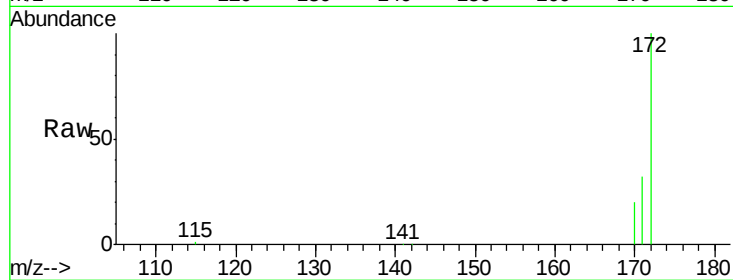
Tgt Ion:172 Resp: 32265

Ion Ratio Lower Upper

172 100

171 32.4 30.3 45.5

170 20.4 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: BE092133.D

Acq: 3 Aug 2016 4:57

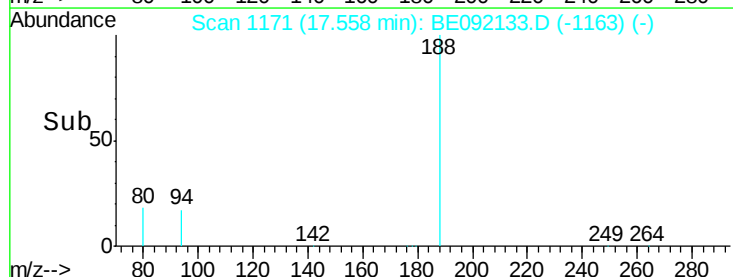
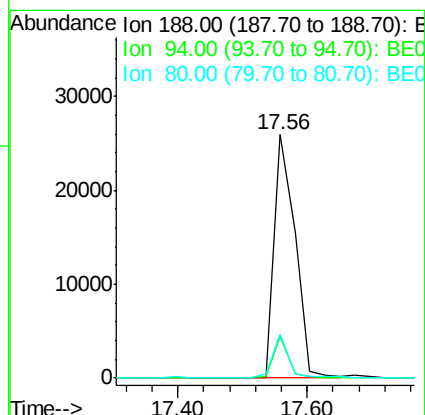
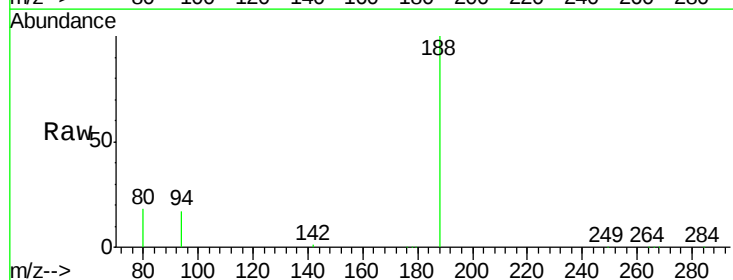
Tgt Ion:188 Resp: 58860

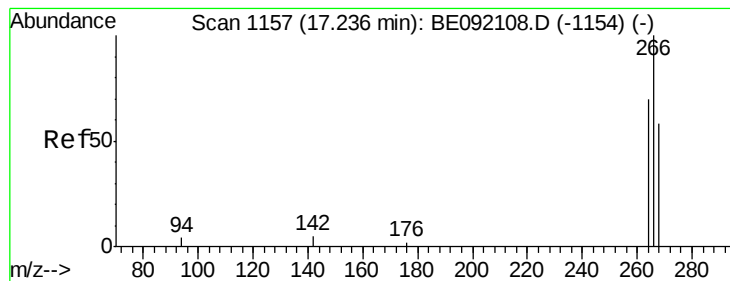
Ion Ratio Lower Upper

188 100

94 16.8 3.9 5.9#

80 18.0 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

Instrument :

BNA_E

ClientSampleId :

GW-37-7.0-15.0

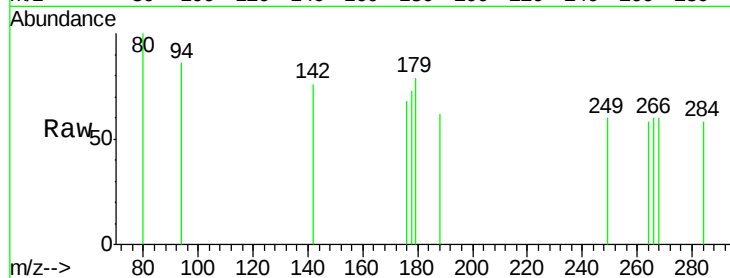
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

268 100.0 62.7 94.1#

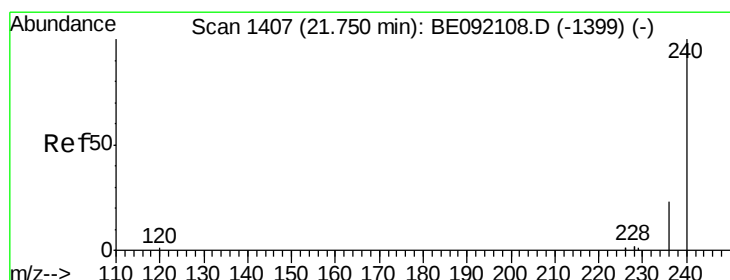
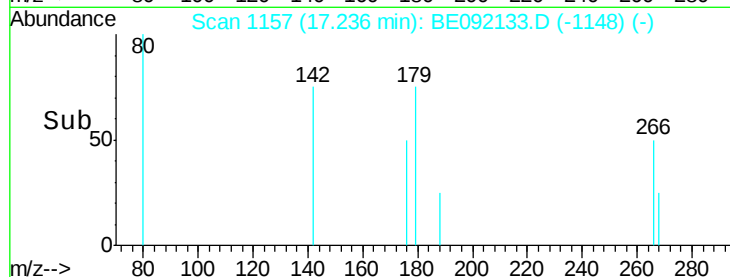
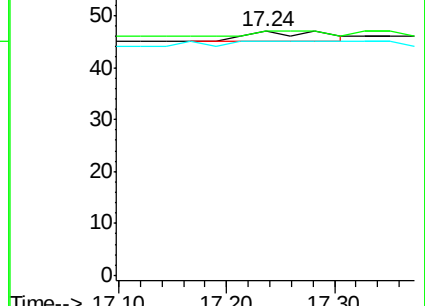
264 95.7 63.5 95.3#



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

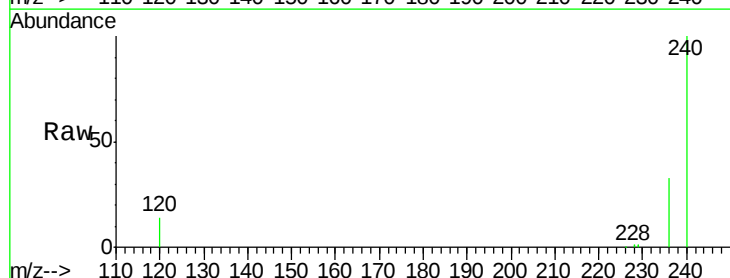
Tgt Ion:240 Resp: 72926

Ion Ratio Lower Upper

240 100

120 14.4 0.6 1.0#

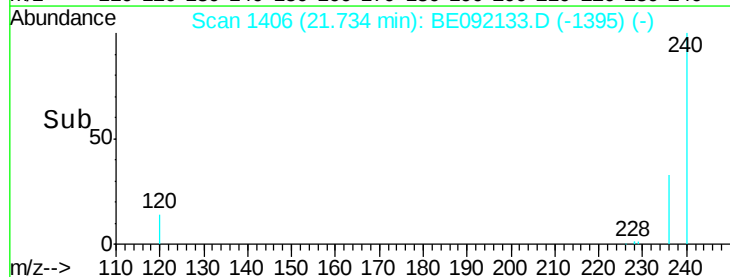
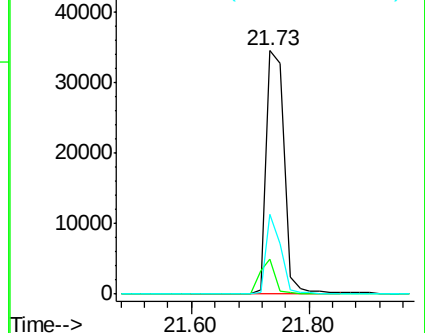
236 32.8 18.2 27.4#

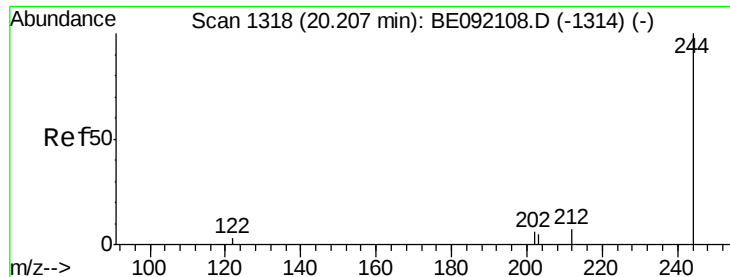


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.46 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

Instrument :

BNA_E

ClientSampleId :

GW-37-7.0-15.0

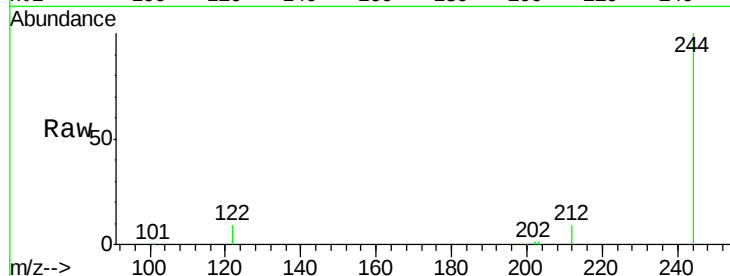
Tgt Ion:244 Resp: 46754

Ion Ratio Lower Upper

244 100

212 9.3 9.1 13.7

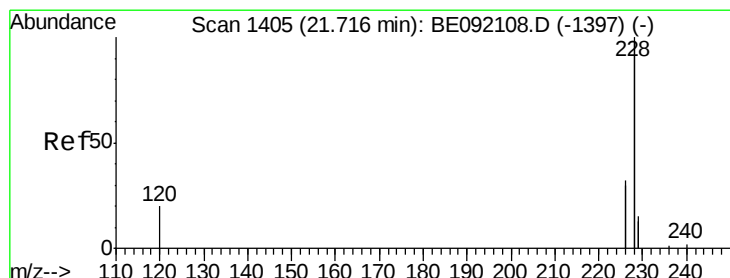
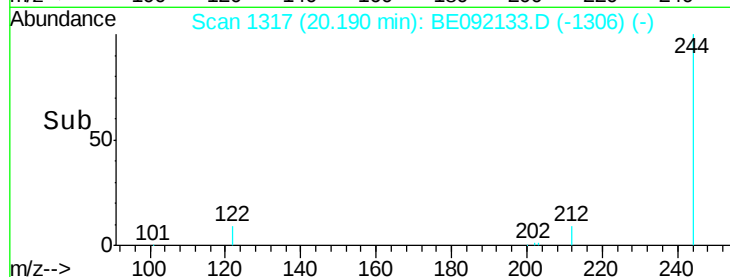
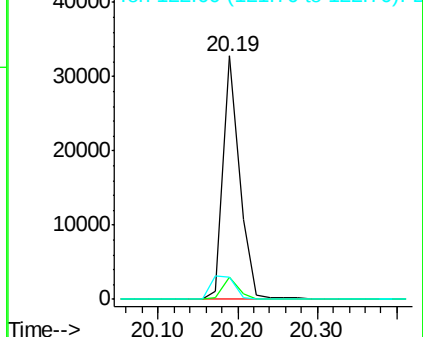
122 8.9 11.0 16.4#



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: BE092133.D

Acq: 3 Aug 2016 4:57

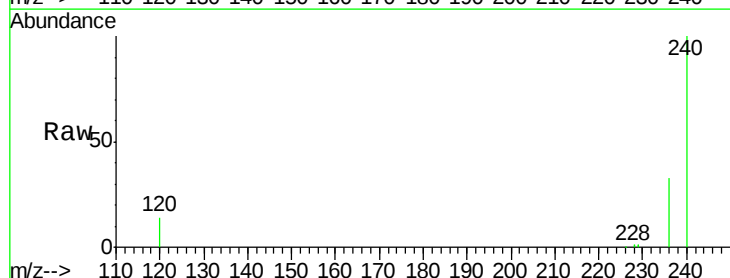
Tgt Ion:228 Resp: 1635

Ion Ratio Lower Upper

228 100

226 31.0 22.1 33.1

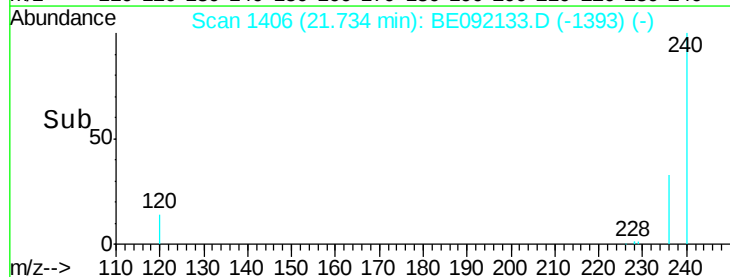
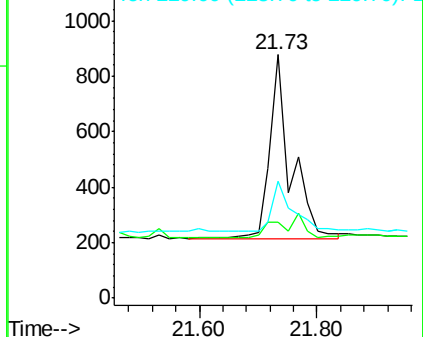
229 47.8 15.1 22.7#

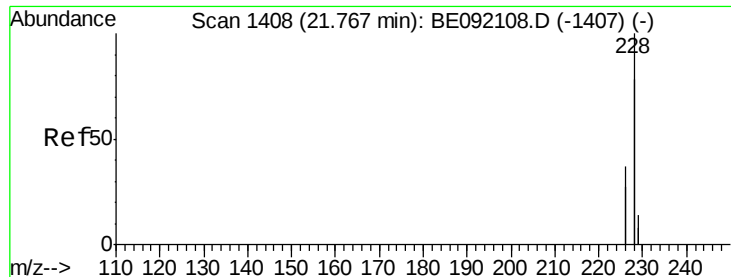


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE092133.D

Acq: 3 Aug 2016 4:57

Instrument :

BNA_E

ClientSampleId :

GW-37-7.0-15.0

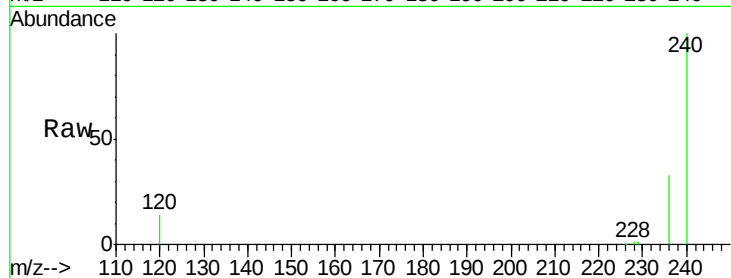
Tgt Ion:228 Resp: 1665

Ion Ratio Lower Upper

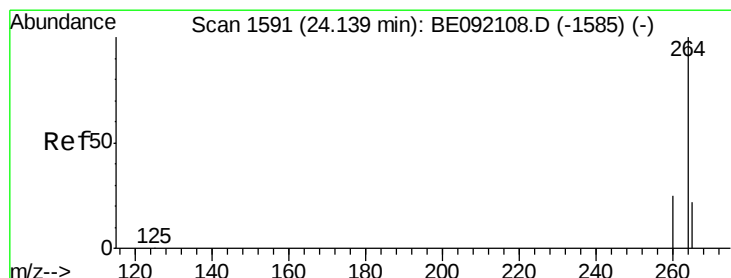
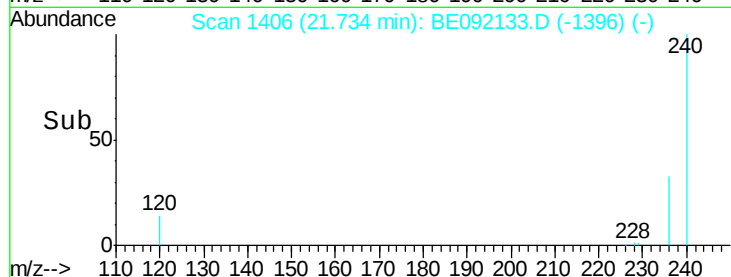
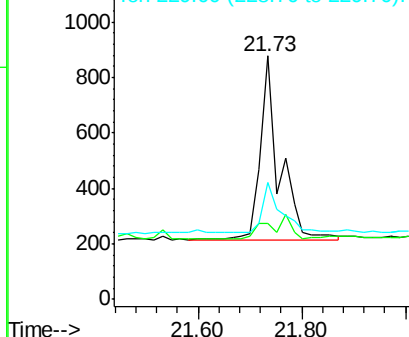
228 100

226 31.0 22.3 33.5

229 47.8 16.9 25.3#



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



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092133.D

Acq: 3 Aug 2016 4:57

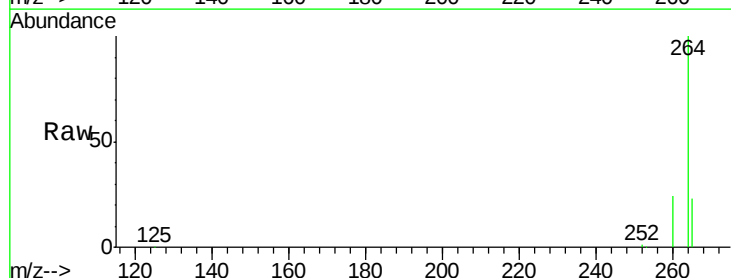
Tgt Ion:264 Resp: 75914

Ion Ratio Lower Upper

264 100

260 24.0 20.8 31.2

265 22.9 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

