

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092205.D
 Acq On : 5 Aug 2016 5:47
 Operator : UM/SJ
 Sample : H4288-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-61-8.2-19.0

Quant Time: Aug 05 06:38:45 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

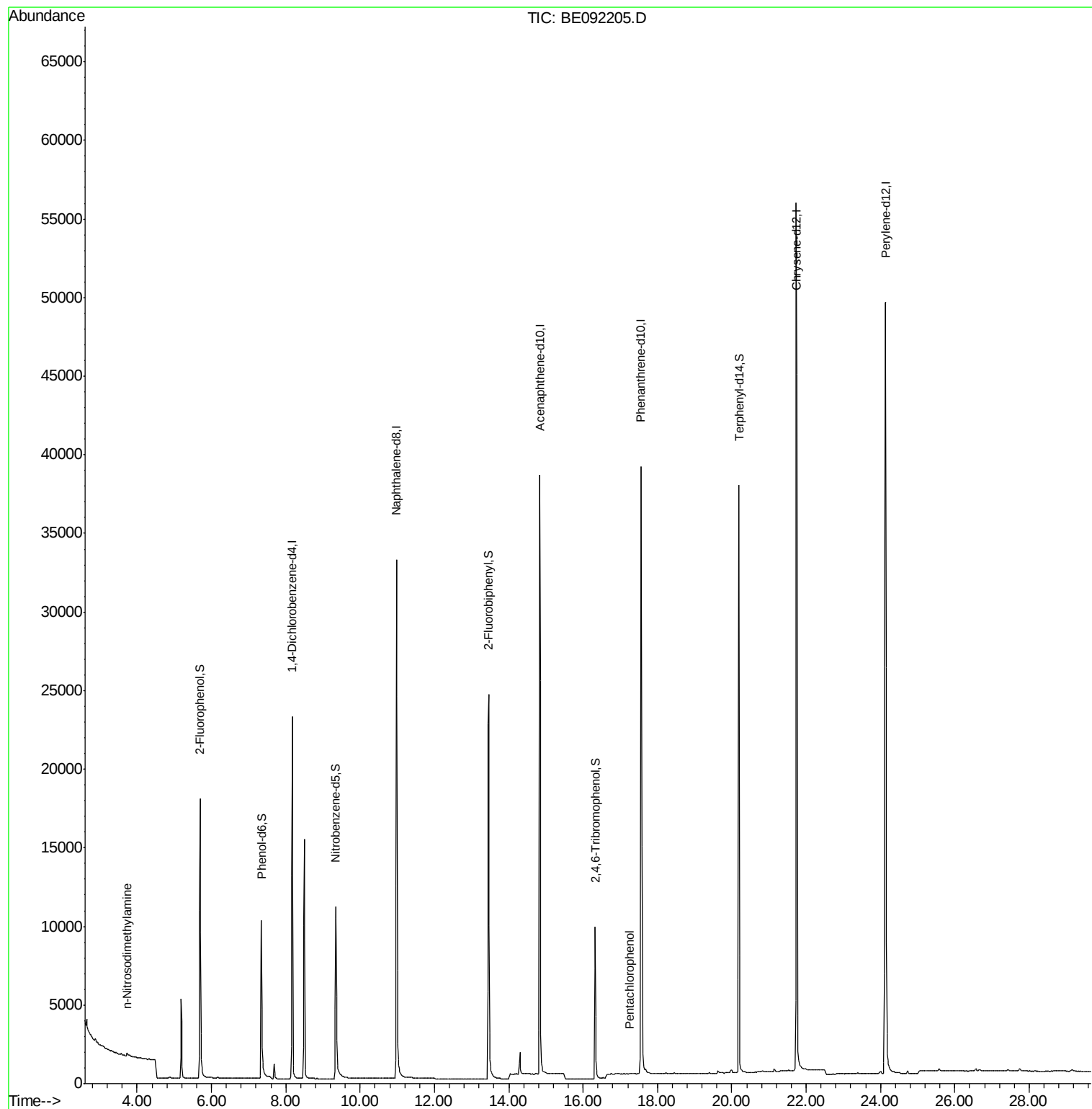
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11959	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	53091	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	27850	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	62477	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	78811	5.00	ng	-0.02
28) Perylene-d12	24.14	264	81200	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	15407	5.02	ng	0.00
5) Phenol-d6	7.35	99	13894	3.40	ng	0.00
7) Nitrobenzene-d5	9.34	82	13720	3.28	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	6851	7.58	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30670	3.48	ng	0.00
24) Terphenyl-d14	20.19	244	42978	3.80	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.72	42	108	0.14	ng	# 1
8) Naphthalene	11.03	128	59	Below Cal	#	1
18) Pentachlorophenol	17.26	266	1	0.19	ng	# 76
19) Phenanthrene	17.60	178	203	Below Cal	#	76
30) Benzo(k)fluoranthene	23.45	252	43	Below Cal	#	1

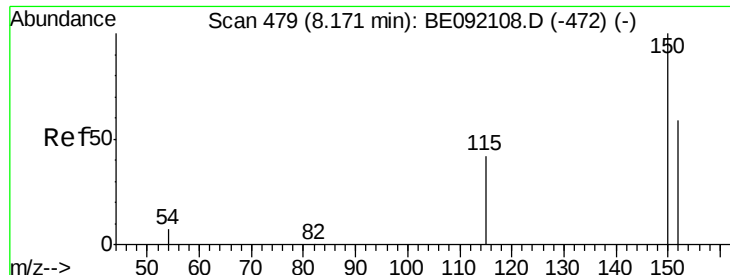
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092205.D

Acq: 5 Aug 2016 5:47

Instrument :

BNA_E

ClientSampleId :

GW-61-8.2-19.0

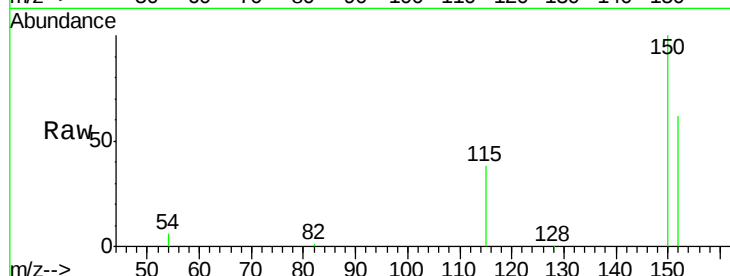
Tgt Ion:152 Resp: 11959

Ion Ratio Lower Upper

152 100

150 161.0 106.0 159.0#

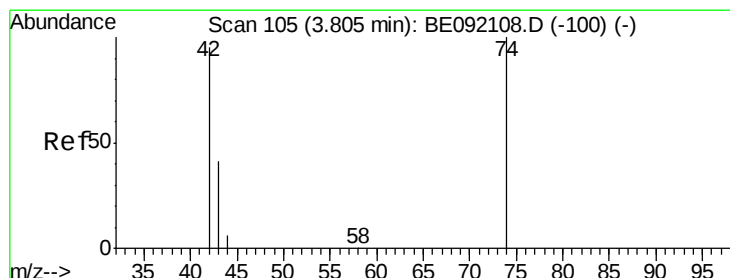
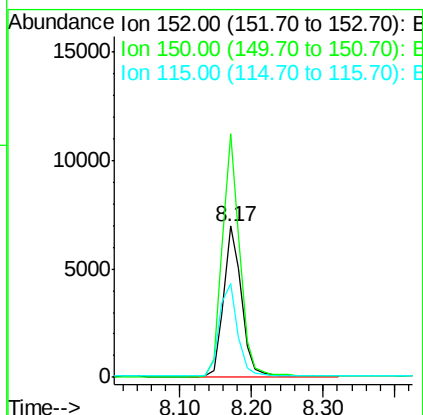
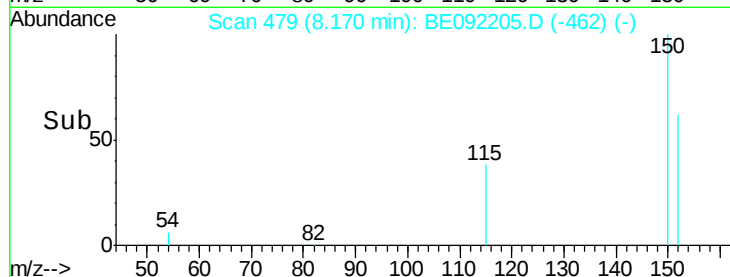
115 61.7 36.9 55.3#



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: 0.14 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092205.D

Acq: 5 Aug 2016 5:47

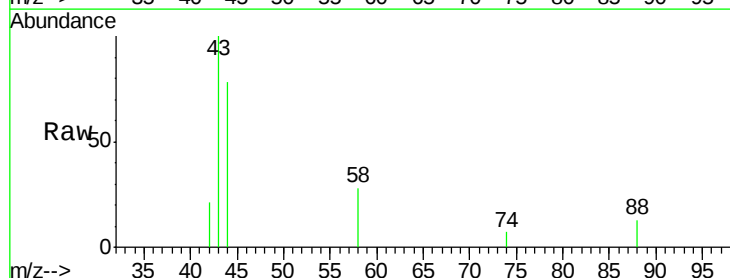
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

42 100

74 0.9 82.8 124.2#

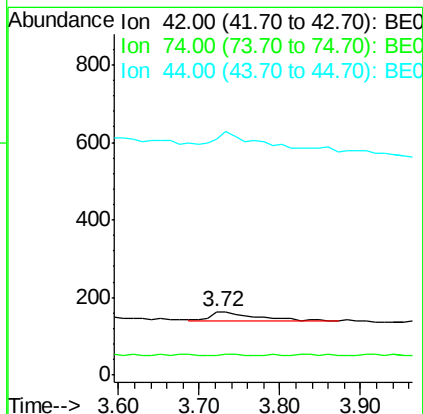
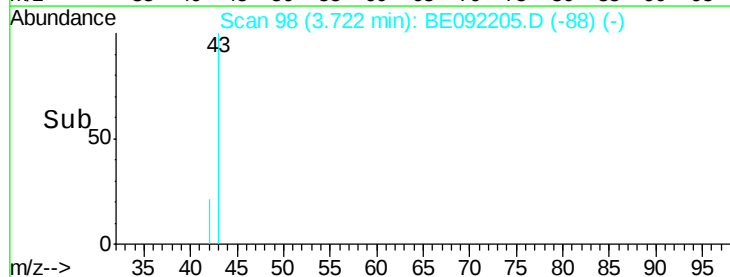
44 116.7 9.0 13.4#

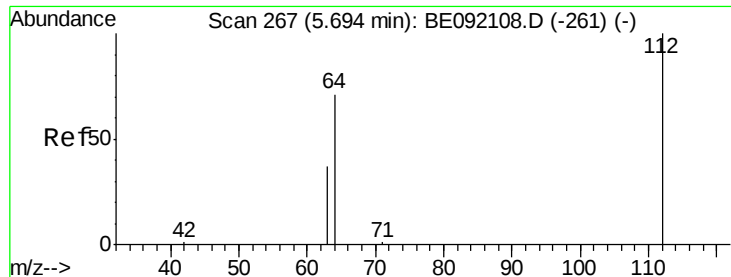


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.02 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092205.D

Acq: 5 Aug 2016 5:47

Instrument :

BNA_E

ClientSampleId :

GW-61-8.2-19.0

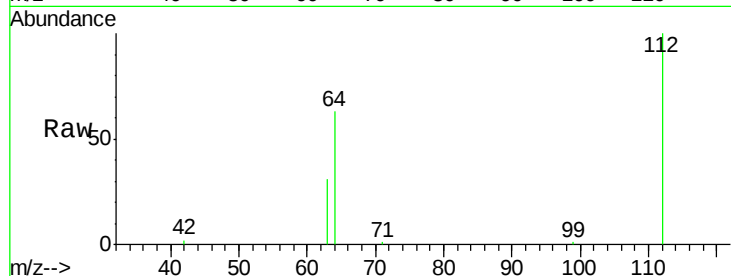
Tgt Ion: 112 Resp: 15407

Ion Ratio Lower Upper

112 100

64 67.1 55.9 83.9

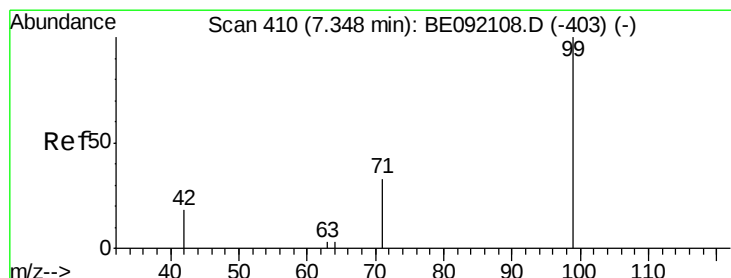
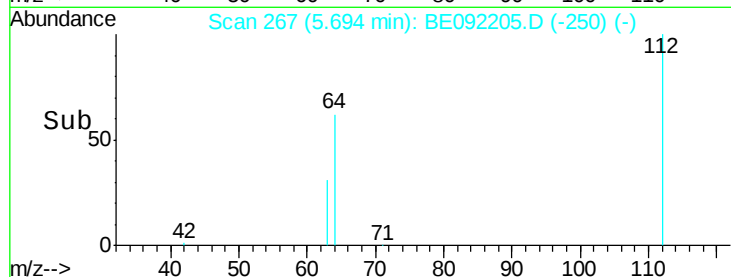
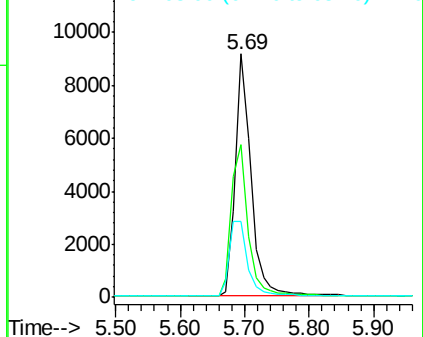
63 36.5 31.1 46.7



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: 3.40 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092205.D

Acq: 5 Aug 2016 5:47

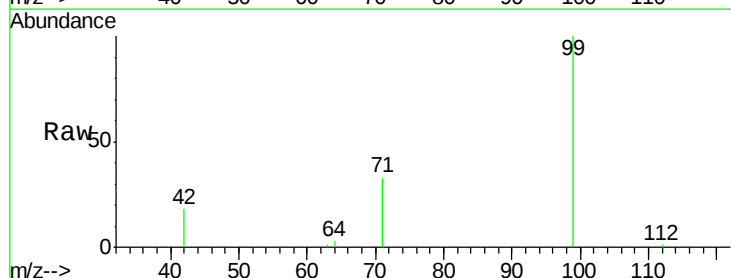
Tgt Ion: 99 Resp: 13894

Ion Ratio Lower Upper

99 100

42 25.2 22.4 33.6

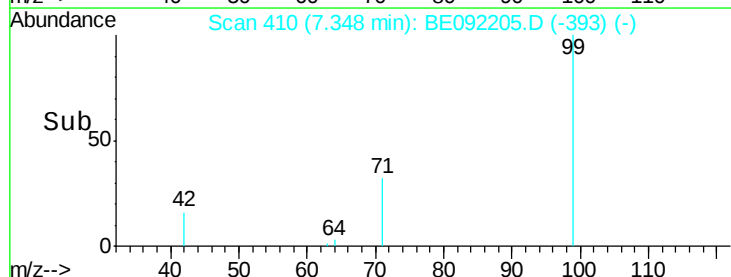
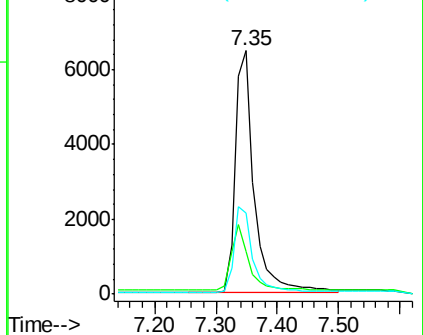
71 35.5 28.9 43.3

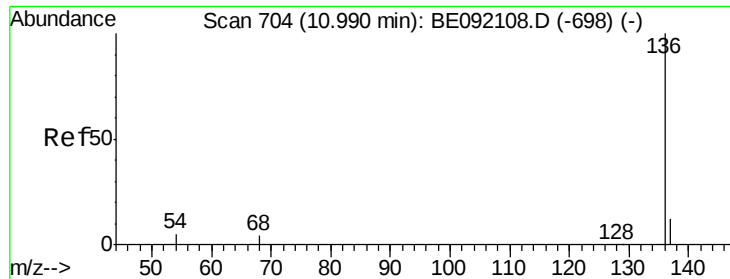


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

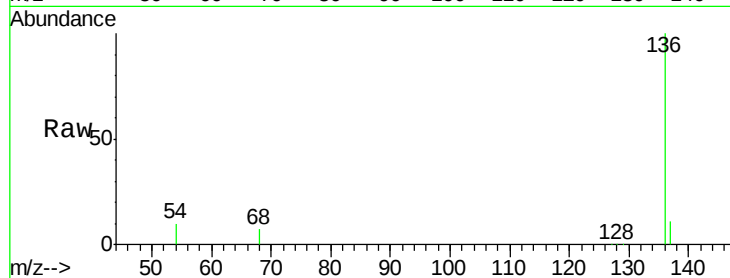




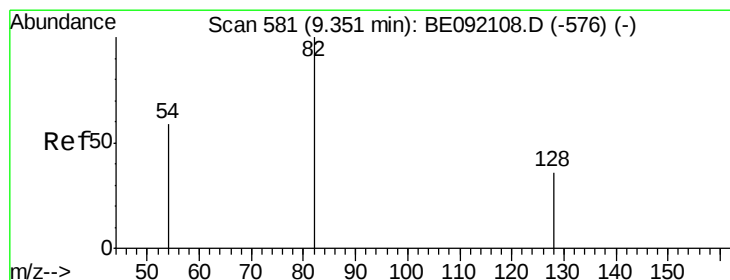
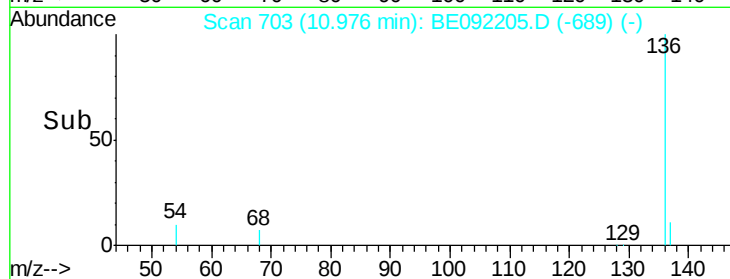
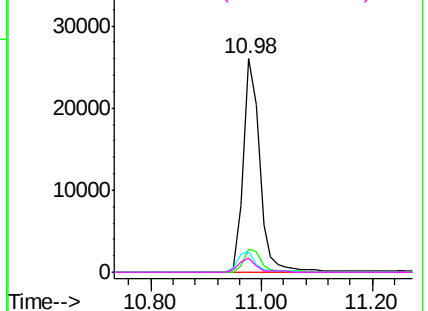
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092205.D
Acq: 5 Aug 2016 5:47

Instrument :
BNA_E
ClientSampleId :
GW-61-8.2-19.0

Tgt Ion: 136 Resp: 53091
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 9.9 2.7 4.1#
68 6.9 2.2 3.4#

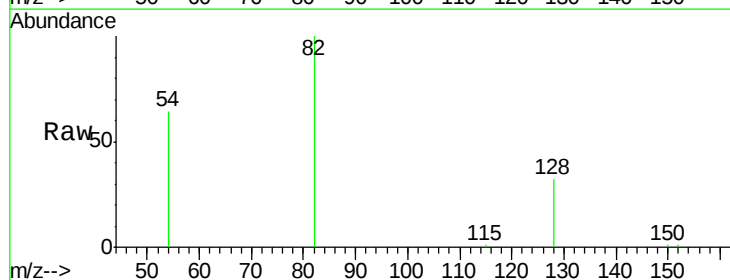


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

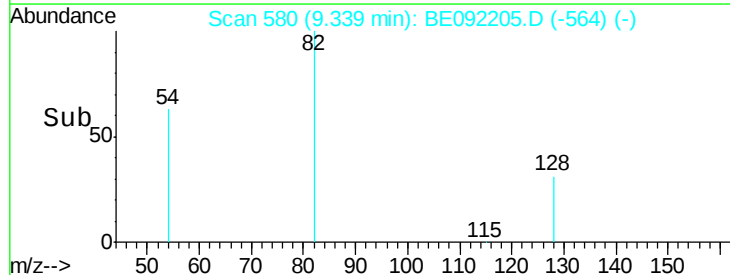
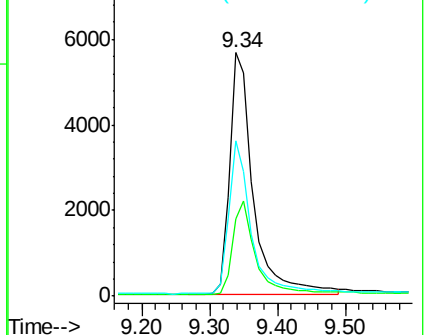


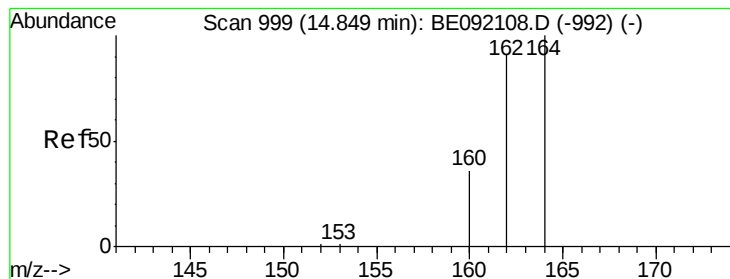
#7
Nitrobenzene-d5
Concen: 3.28 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092205.D
Acq: 5 Aug 2016 5:47

Tgt Ion: 82 Resp: 13720
Ion Ratio Lower Upper
82 100
128 31.6 33.0 49.4#
54 63.8 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
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: BE092205.D

Acq: 5 Aug 2016 5:47

Instrument :

BNA_E

ClientSampleId :

GW-61-8.2-19.0

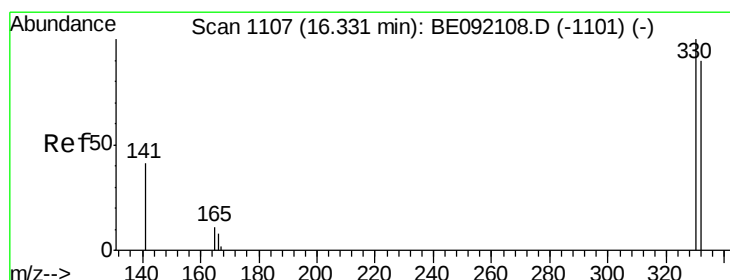
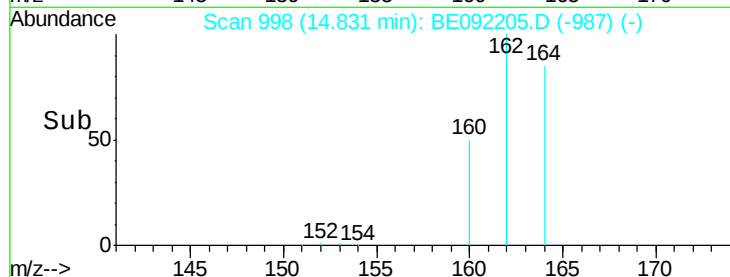
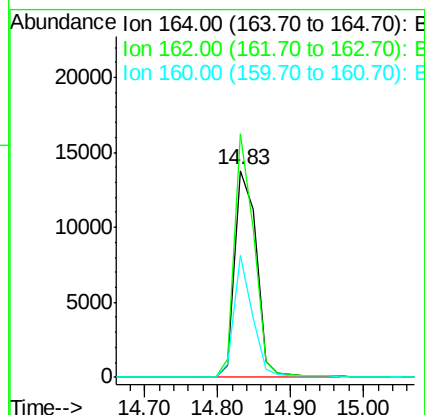
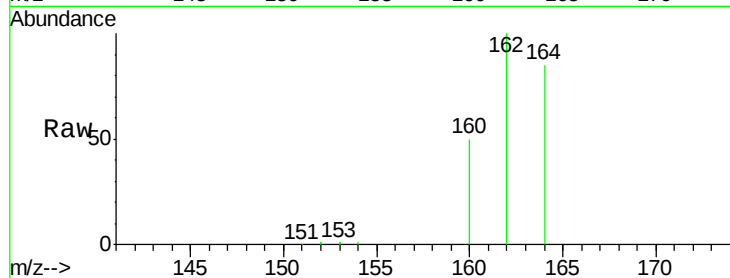
Tgt Ion:164 Resp: 27850

Ion Ratio Lower Upper

164 100

162 117.9 69.5 104.3#

160 59.2 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 7.58 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092205.D

Acq: 5 Aug 2016 5:47

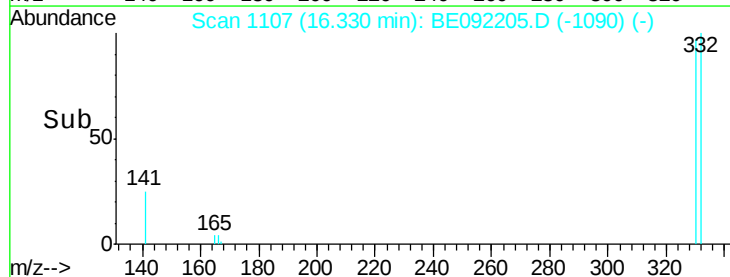
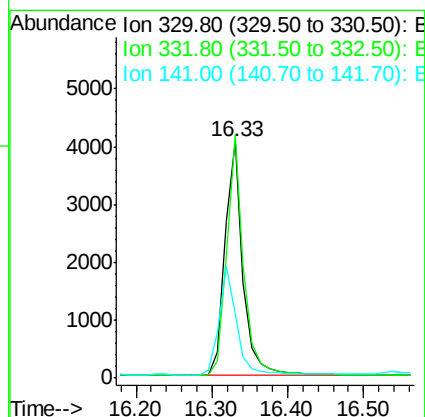
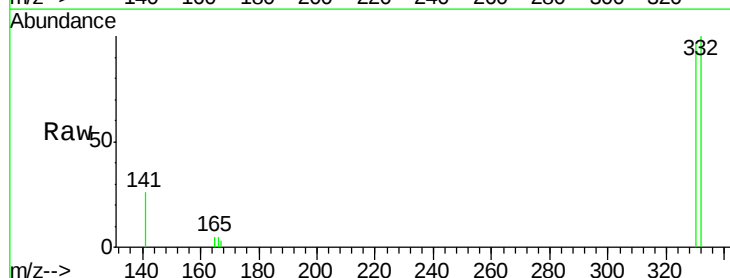
Tgt Ion:330 Resp: 6851

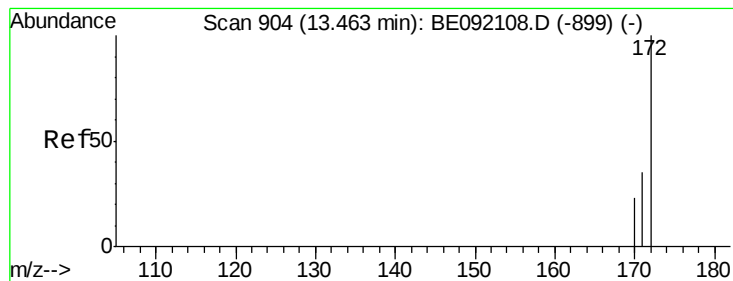
Ion Ratio Lower Upper

330 100

332 97.4 74.2 111.4

141 44.5 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 3.48 ng

RT: 13.46 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE092205.D

Acq: 5 Aug 2016 5:47

Instrument :

BNA_E

ClientSampleId :

GW-61-8.2-19.0

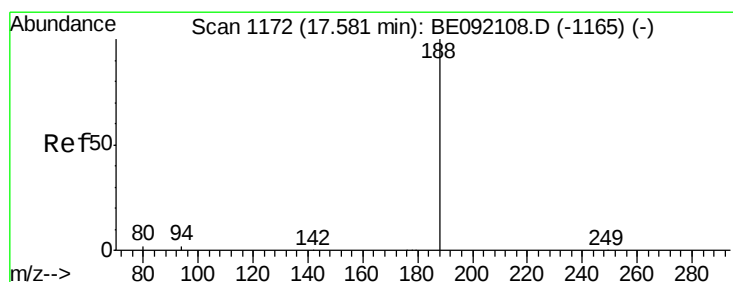
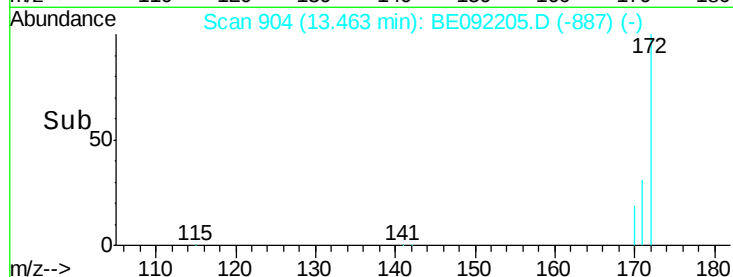
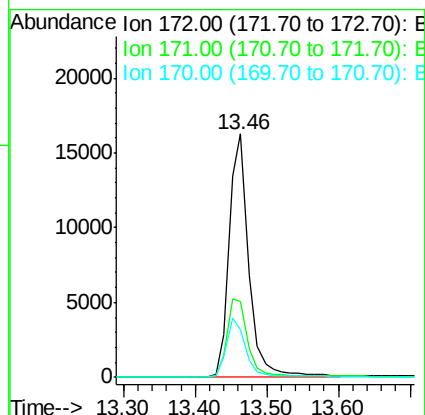
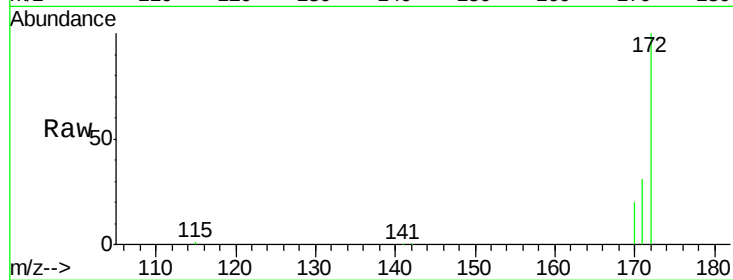
Tgt Ion:172 Resp: 30670

Ion Ratio Lower Upper

172 100

171 31.3 30.3 45.5

170 19.6 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: BE092205.D

Acq: 5 Aug 2016 5:47

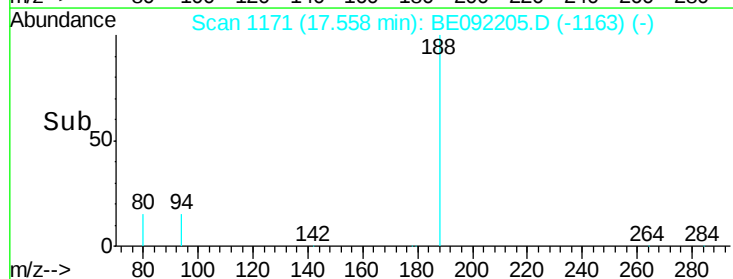
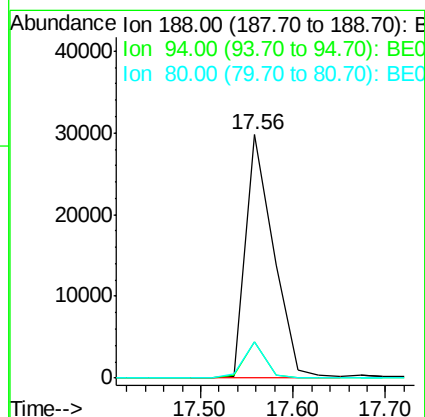
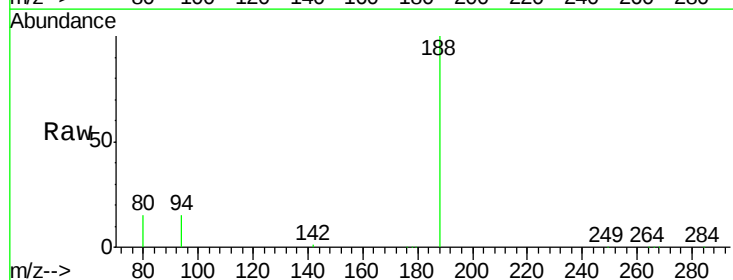
Tgt Ion:188 Resp: 62477

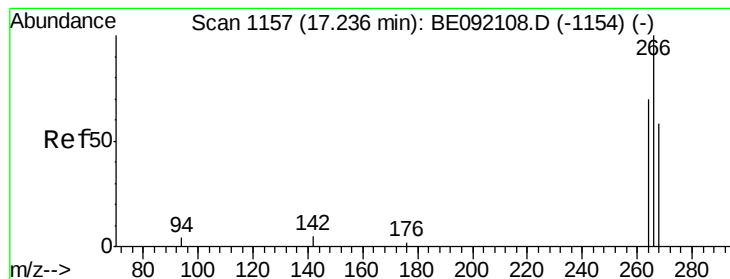
Ion Ratio Lower Upper

188 100

94 14.8 3.9 5.9#

80 15.0 3.4 5.0#

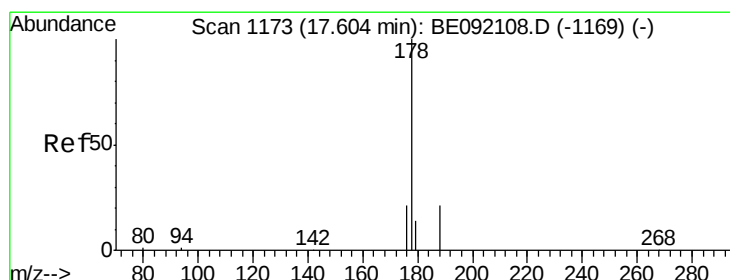
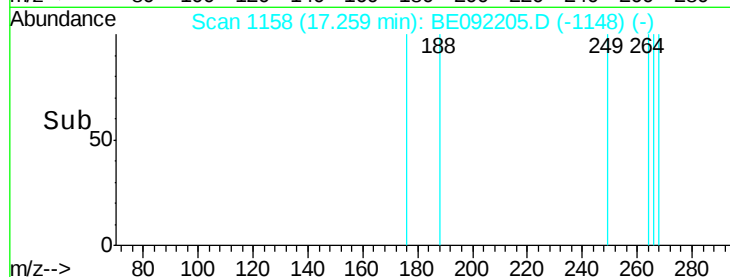
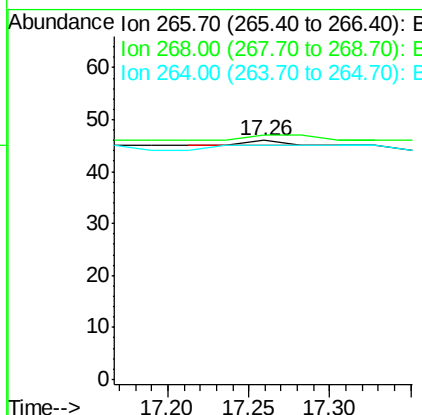
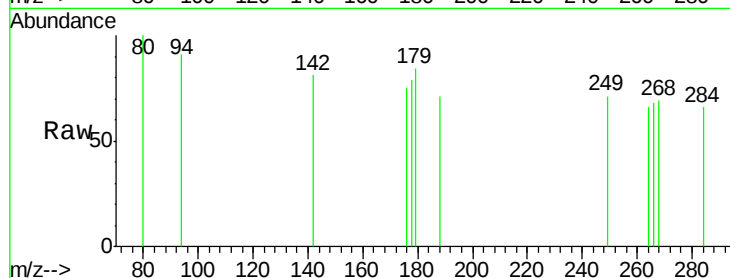




#18
 Pentachlorophenol
 Concen: 0.19 ng
 RT: 17.26 min Scan# 1158
 Delta R.T. 0.02 min
 Lab File: BE092205.D
 Acq: 5 Aug 2016 5:47

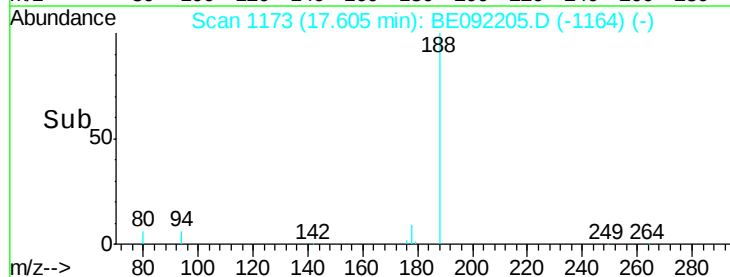
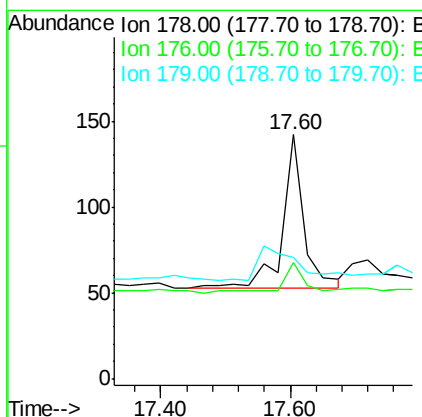
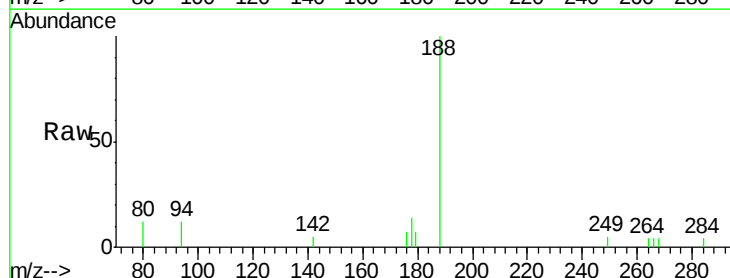
Instrument :
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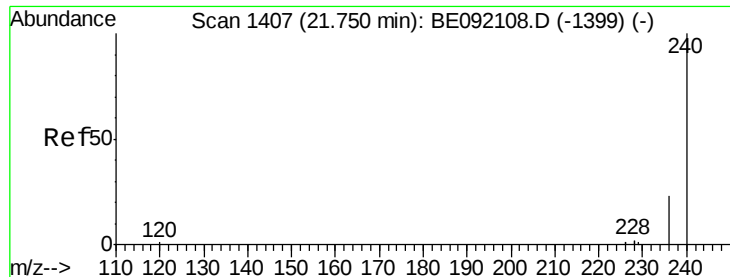
Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 268 102.2 62.7 94.1#
 264 97.8 63.5 95.3#



#19
 Phenanthrene
 Concen: Below Cal
 RT: 17.60 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BE092205.D
 Acq: 5 Aug 2016 5:47

Tgt Ion: 178 Resp: 203
 Ion Ratio Lower Upper
 178 100
 176 13.8 15.4 23.0#
 179 0.0 12.7 19.1#





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BE092205.D

Acq: 5 Aug 2016 5:47

Instrument :

BNA_E

ClientSampleId :

GW-61-8.2-19.0

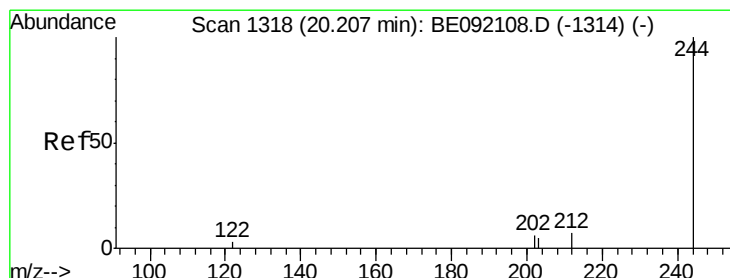
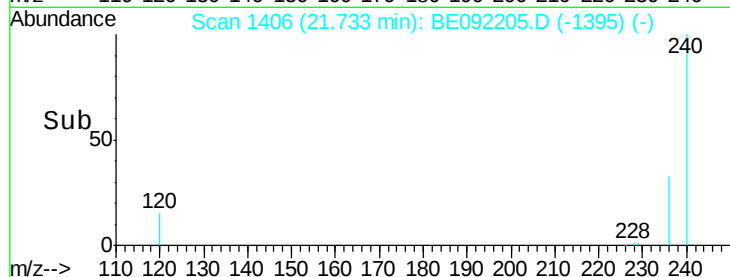
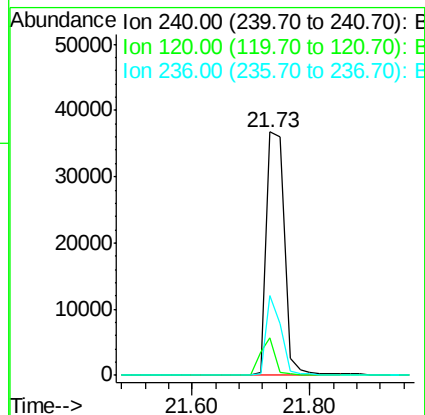
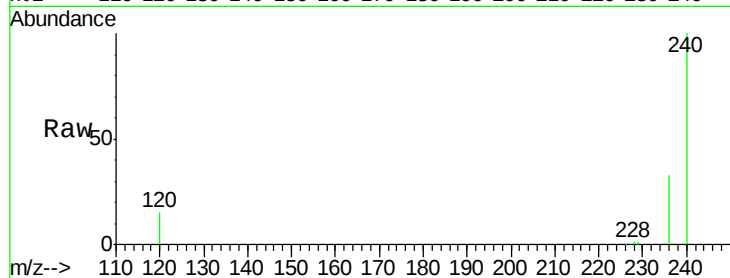
Tgt Ion:240 Resp: 78811

Ion Ratio Lower Upper

240 100

120 15.3 0.6 1.0#

236 32.7 18.2 27.4#



#24

Terphenyl-d14

Concen: 3.80 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092205.D

Acq: 5 Aug 2016 5:47

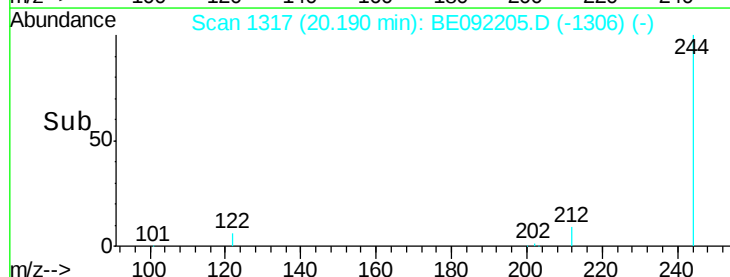
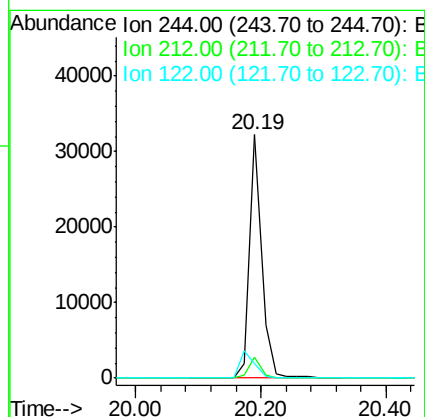
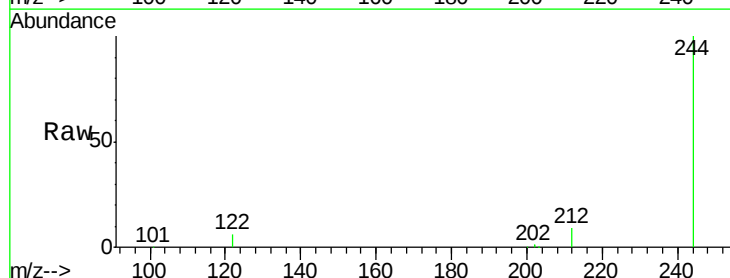
Tgt Ion:244 Resp: 42978

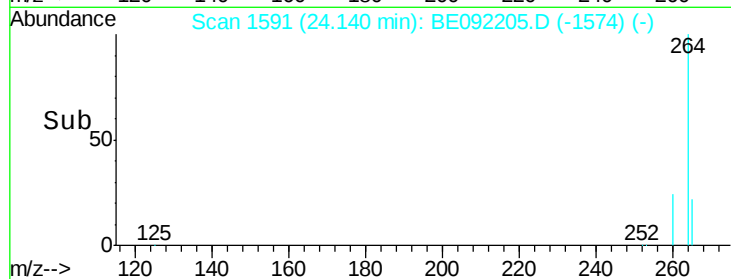
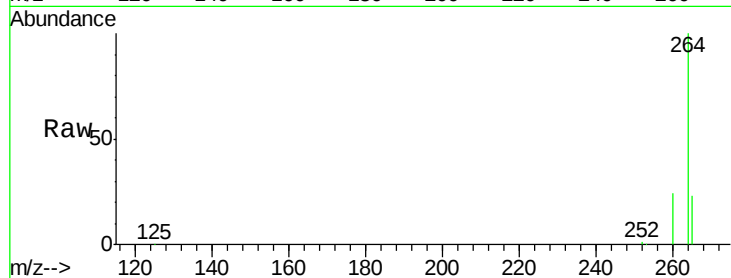
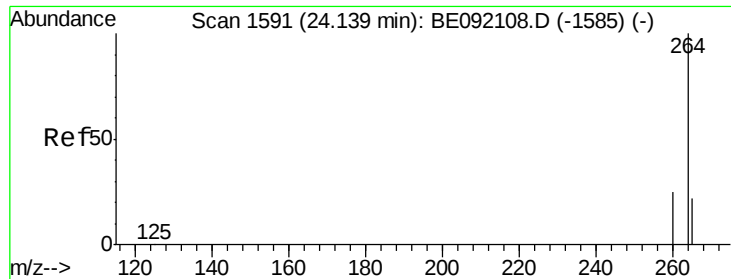
Ion Ratio Lower Upper

244 100

212 8.8 9.1 13.7#

122 6.1 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: BE092205.D

Acq: 5 Aug 2016 5:47

Instrument :

BNA_E

ClientSampleId :

GW-61-8.2-19.0

Tgt Ion: 264 Resp: 81200

Ion Ratio Lower Upper

264 100

260 23.9 20.8 31.2

265 22.8 16.6 25.0

