

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092120.D
 Acq On : 2 Aug 2016 20:45
 Operator : UM/SJ
 Sample : H4152-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-11-5.0-15.0

Quant Time: Aug 03 03:54:11 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

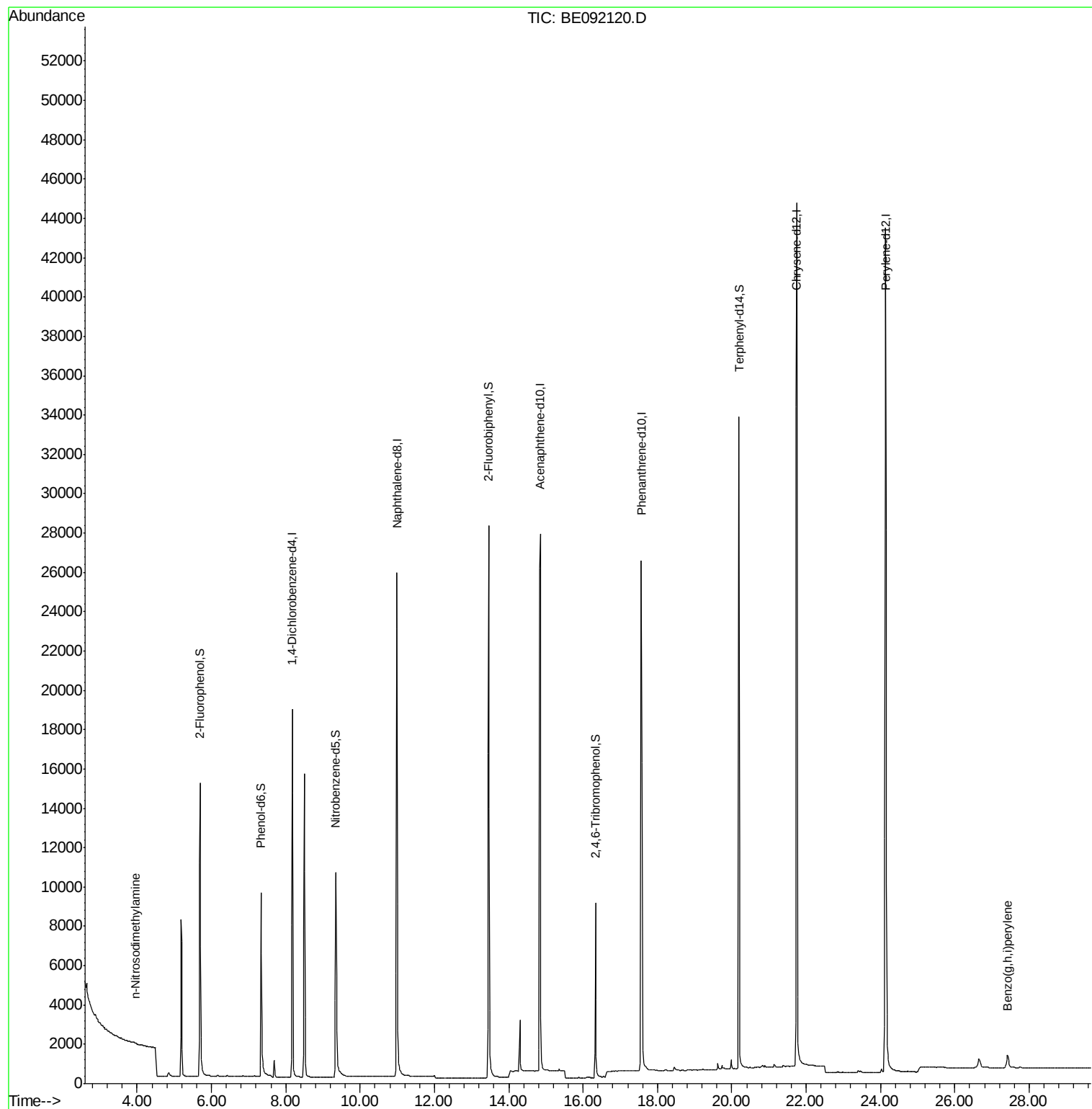
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10089	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	43540	5.00	ng	0.00
10) Acenaphthene-d10	14.85	164	23043	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	48420	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	61618	5.00	ng	0.00
28) Perylene-d12	24.14	264	63249	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	13221	5.10	ng	0.00
5) Phenol-d6	7.34	99	11495	3.33	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12945	3.77	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	6264	8.37	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29695	4.07	ng	0.00
24) Terphenyl-d14	20.19	244	40882	4.62	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.94	42	1	0.09	ng	# 6
8) Naphthalene	11.03	128	50	Below Cal	#	1
19) Phenanthrene	17.61	178	252	Below Cal	#	80
30) Benzo(k)fluoranthene	23.46	252	110	Below Cal	#	1
33) Benzo(g,h,i)perylene	27.42	276	1871	0.03	ng	# 48

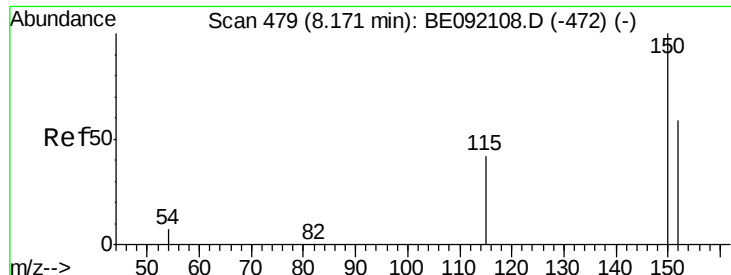
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092120.D

Acq: 2 Aug 2016 20:45

Instrument :

BNA_E

ClientSampleId :

GW-11-5.0-15.0

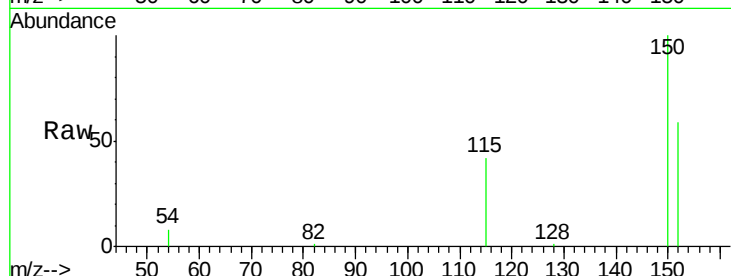
Tgt Ion:152 Resp: 10089

Ion Ratio Lower Upper

152 100

150 170.3 106.0 159.0#

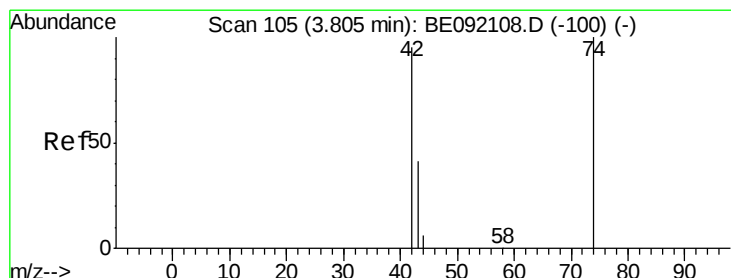
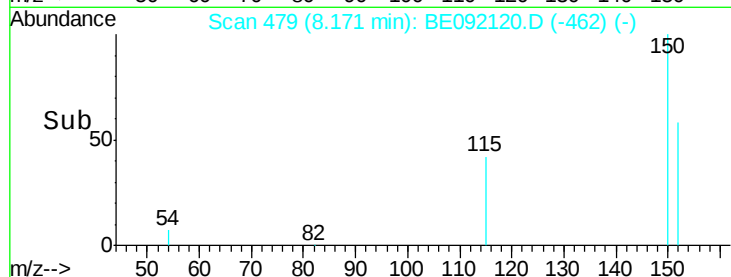
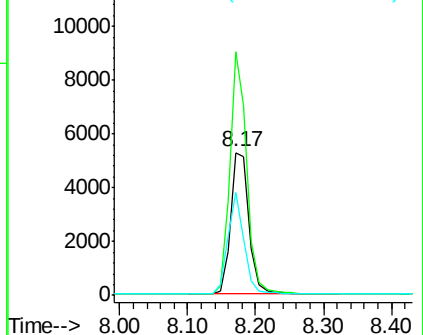
115 72.2 36.9 55.3#



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: 0.09 ng

RT: 3.94 min Scan# 117

Delta R.T. 0.14 min

Lab File: BE092120.D

Acq: 2 Aug 2016 20:45

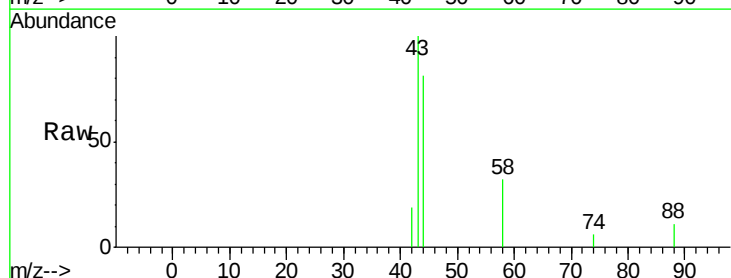
Tgt Ion: 42 Resp: 1

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

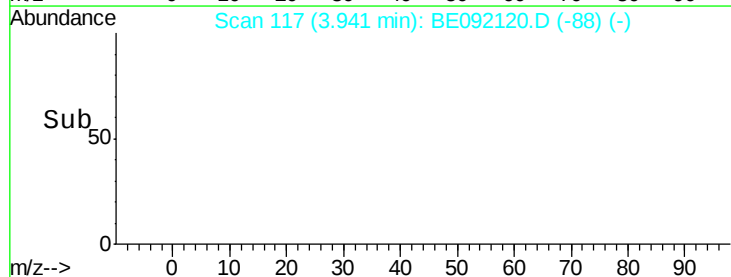
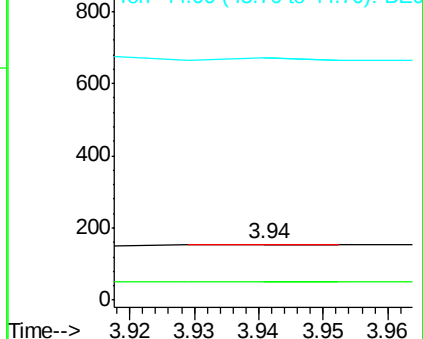
44 0.0 9.0 13.4#

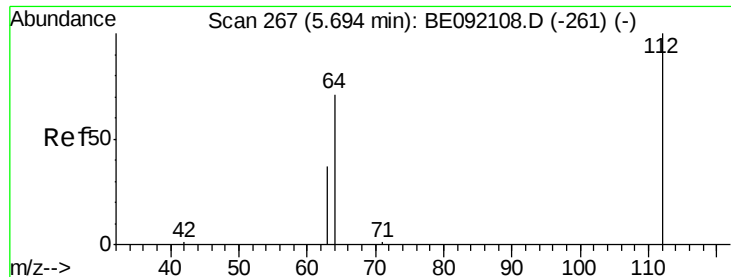


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.10 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092120.D

Acq: 2 Aug 2016 20:45

Instrument :

BNA_E

ClientSampleId :

GW-11-5.0-15.0

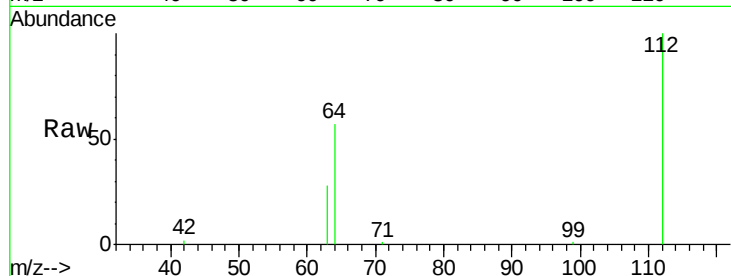
Tgt Ion: 112 Resp: 13221

Ion Ratio Lower Upper

112 100

64 66.7 55.9 83.9

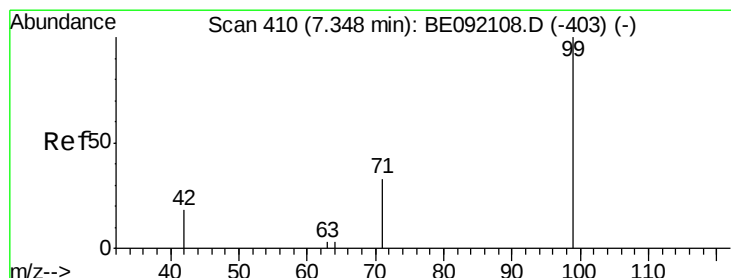
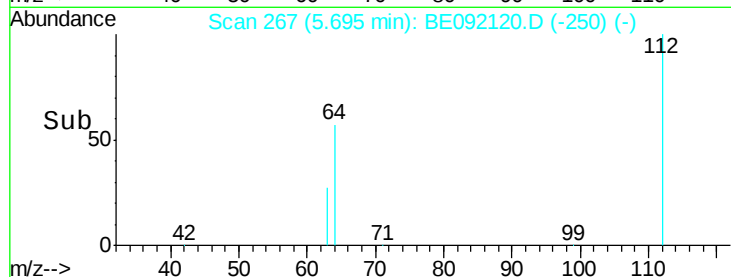
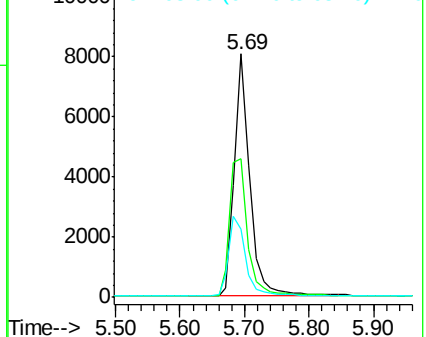
63 36.3 31.1 46.7



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: 3.33 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092120.D

Acq: 2 Aug 2016 20:45

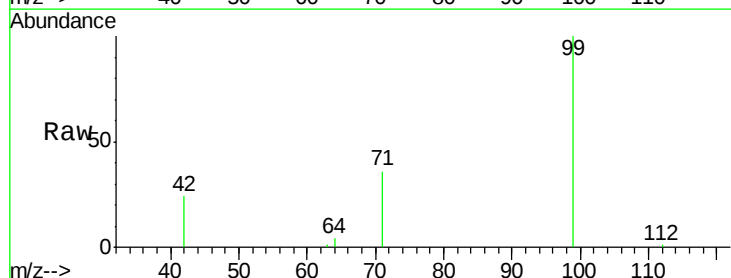
Tgt Ion: 99 Resp: 11495

Ion Ratio Lower Upper

99 100

42 24.4 22.4 33.6

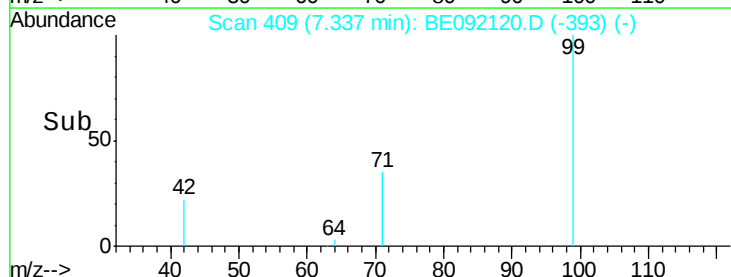
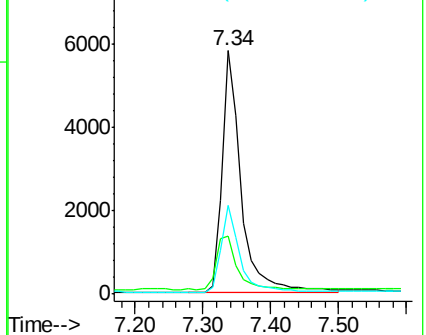
71 35.0 28.9 43.3

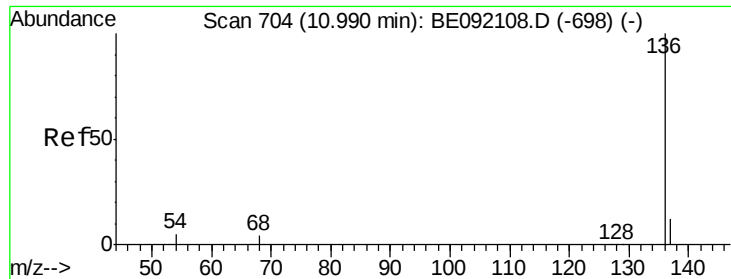


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

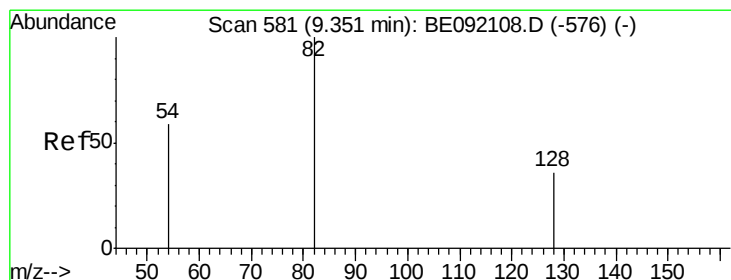
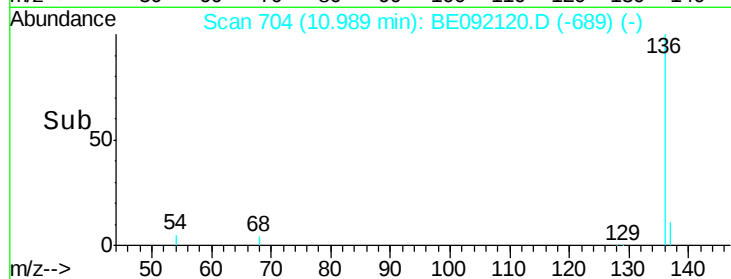
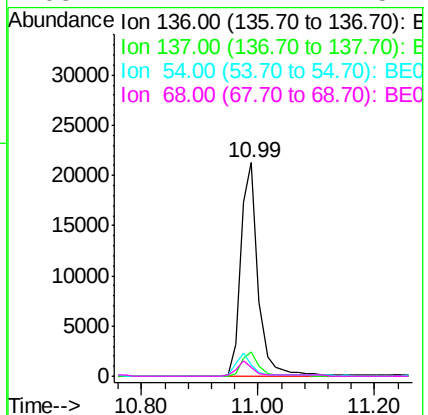
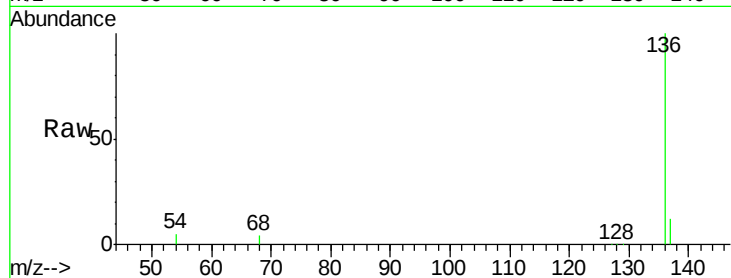




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092120.D
Acq: 2 Aug 2016 20:45

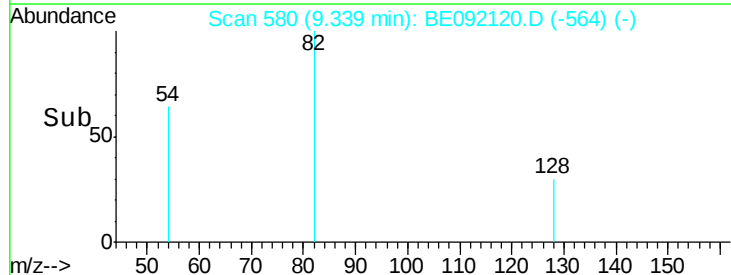
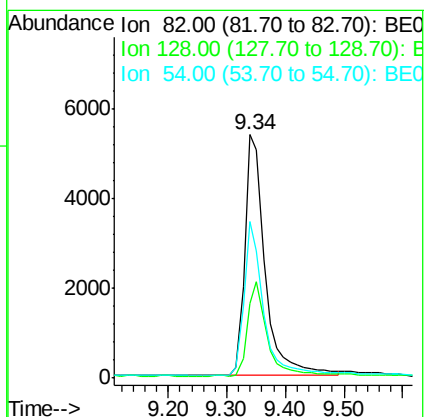
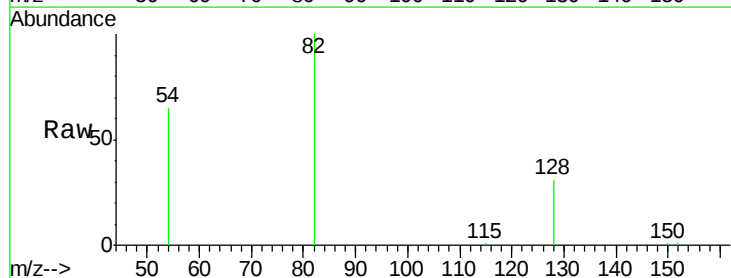
Instrument :
BNA_E
ClientSampleId :
GW-11-5.0-15.0

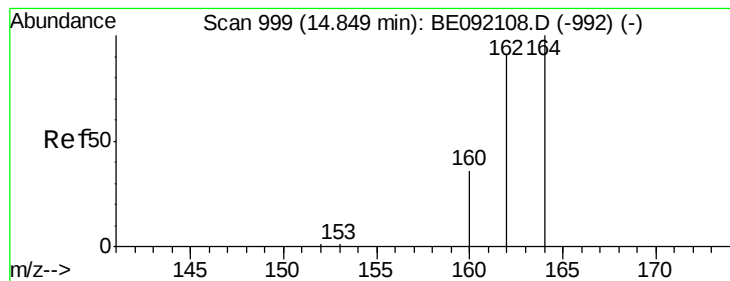
Tgt Ion: 136 Resp: 43540
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 5.4 2.7 4.1#
68 4.2 2.2 3.4#



#7
Nitrobenzene-d5
Concen: 3.77 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092120.D
Acq: 2 Aug 2016 20:45

Tgt Ion: 82 Resp: 12945
Ion Ratio Lower Upper
82 100
128 30.6 33.0 49.4#
54 64.5 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: BE092120.D

Acq: 2 Aug 2016 20:45

Instrument :

BNA_E

ClientSampleId :

GW-11-5.0-15.0

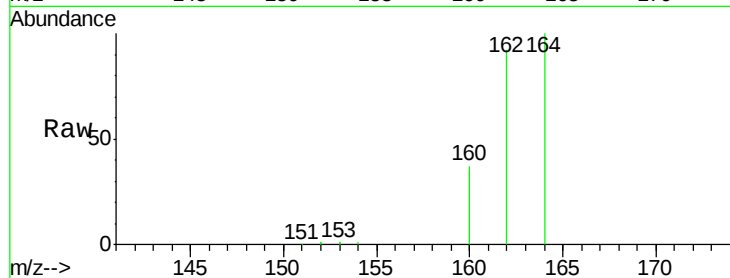
Tgt Ion:164 Resp: 23043

Ion Ratio Lower Upper

164 100

162 91.8 69.5 104.3

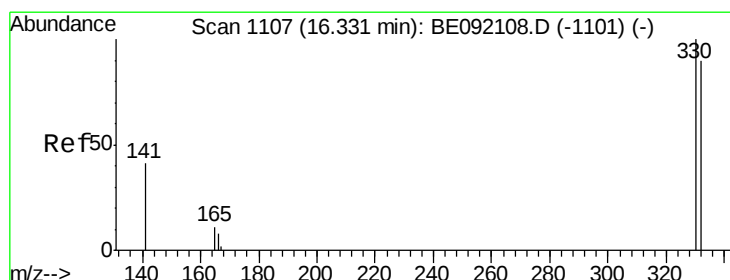
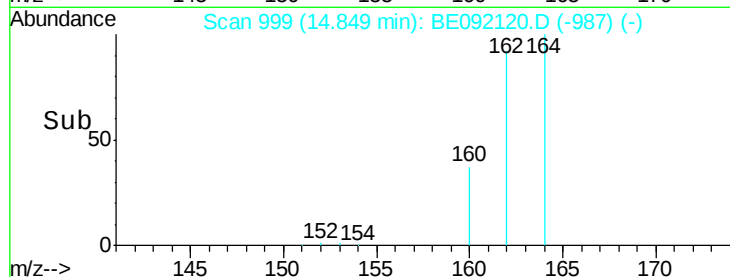
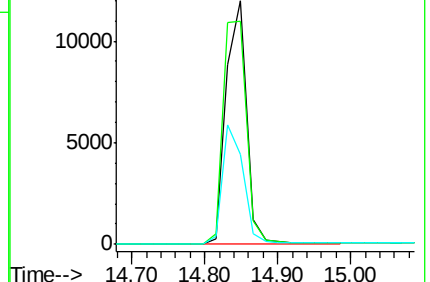
160 37.0 27.6 41.4



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: 8.37 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092120.D

Acq: 2 Aug 2016 20:45

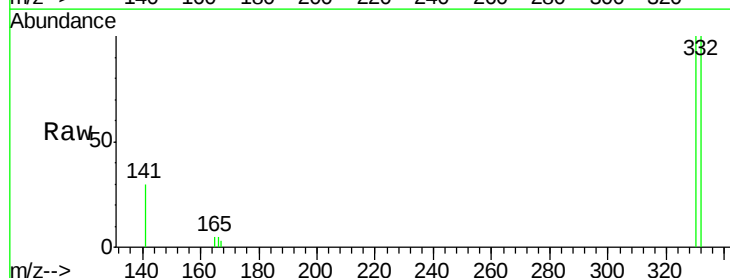
Tgt Ion:330 Resp: 6264

Ion Ratio Lower Upper

330 100

332 96.8 74.2 111.4

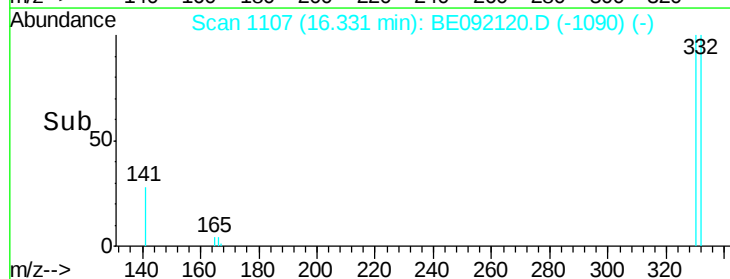
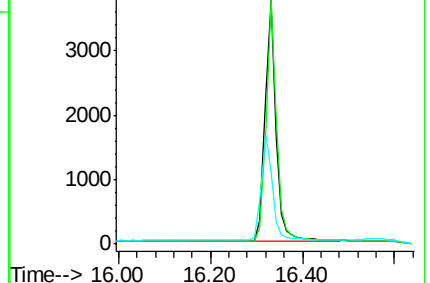
141 44.0 139.8 209.8#

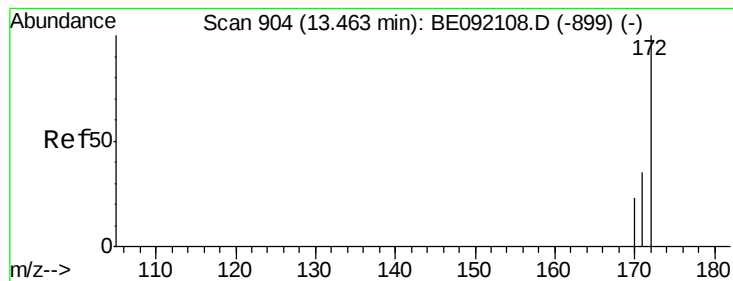


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

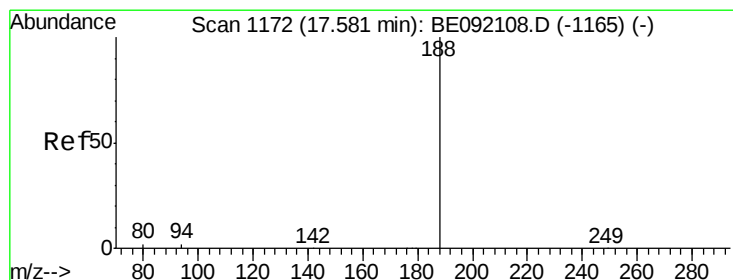
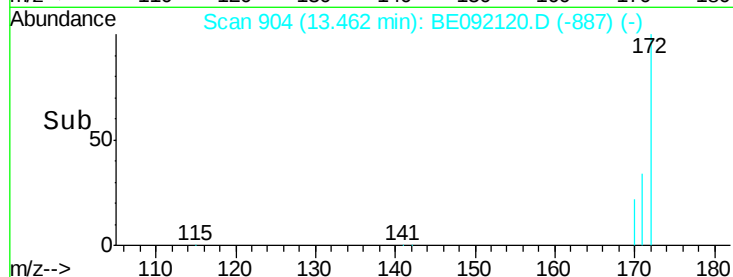
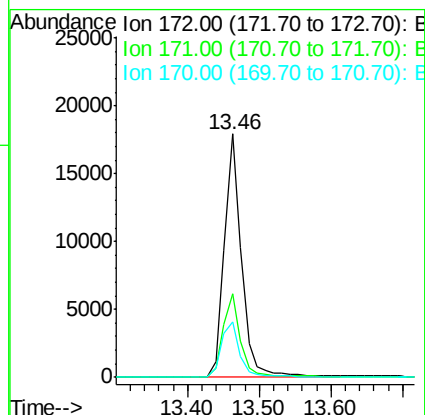
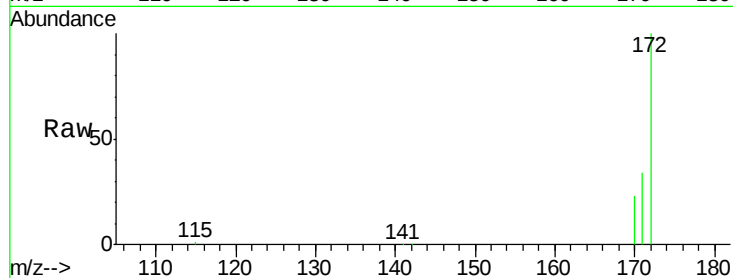




#12
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092120.D
Acq: 2 Aug 2016 20:45

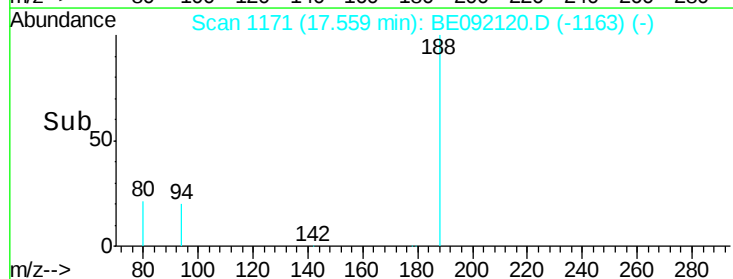
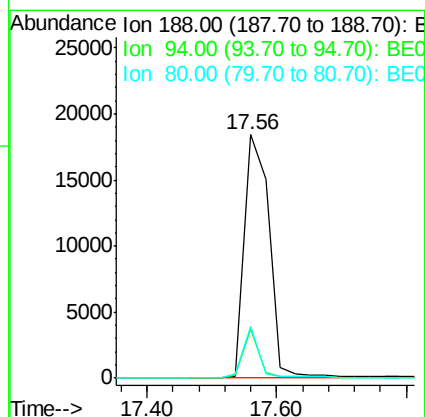
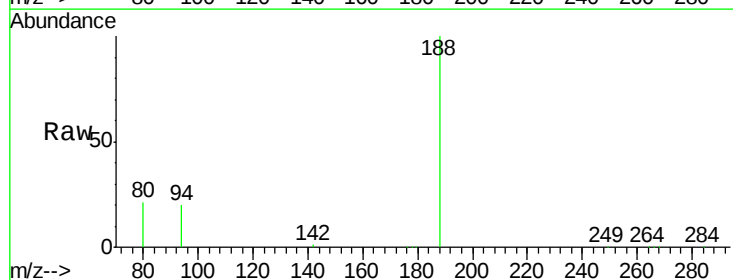
Instrument :
BNA_E
ClientSampleId :
GW-11-5.0-15.0

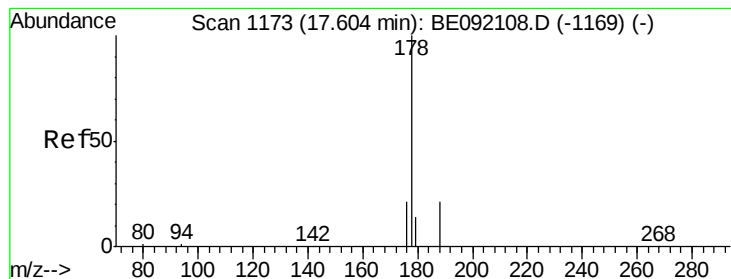
Tgt Ion:172 Resp: 29695
Ion Ratio Lower Upper
172 100
171 34.3 30.3 45.5
170 22.6 21.6 32.4



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092120.D
Acq: 2 Aug 2016 20:45

Tgt Ion:188 Resp: 48420
Ion Ratio Lower Upper
188 100
94 19.9 3.9 5.9#
80 21.3 3.4 5.0#





#19

Phenanthrene

Concen: Below Cal

RT: 17.61 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092120.D

Acq: 2 Aug 2016 20:45

Instrument :

BNA_E

ClientSampleId :

GW-11-5.0-15.0

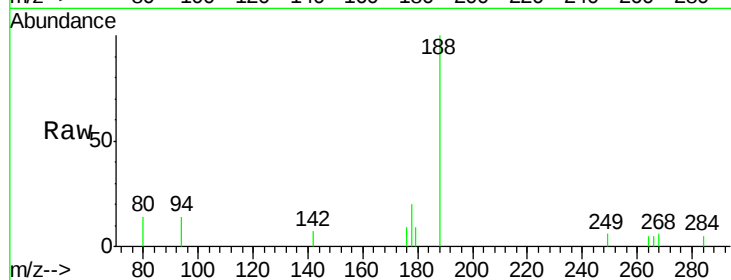
Tgt Ion:178 Resp: 252

Ion Ratio Lower Upper

178 100

176 21.4 15.4 23.0

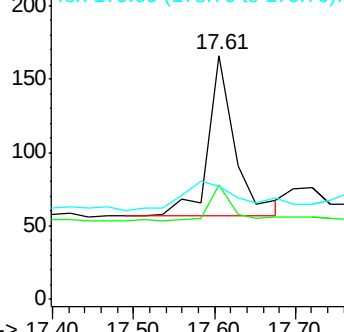
179 0.0 12.7 19.1#



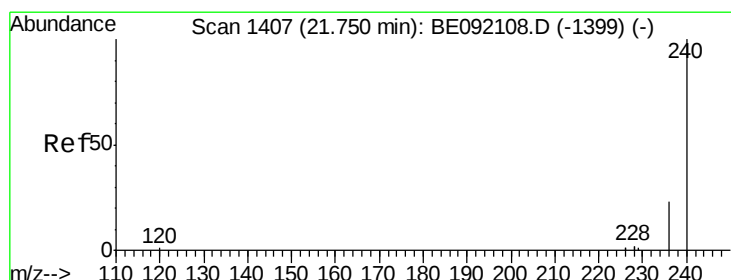
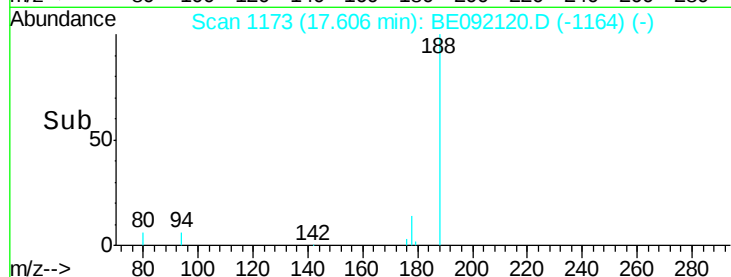
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.40 17.50 17.60 17.70



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092120.D

Acq: 2 Aug 2016 20:45

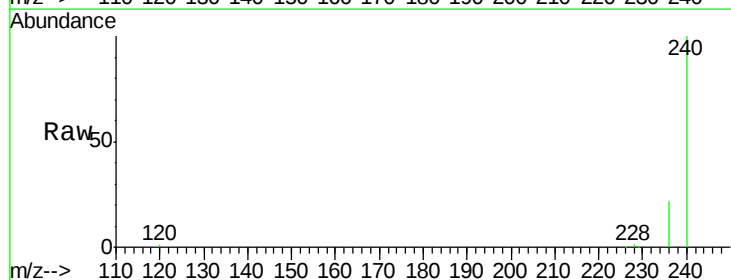
Tgt Ion:240 Resp: 61618

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

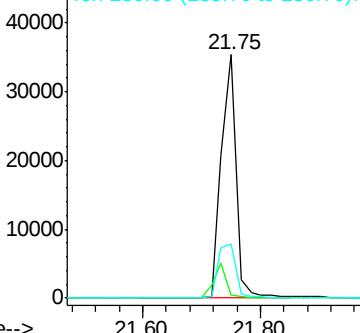
236 22.4 18.2 27.4



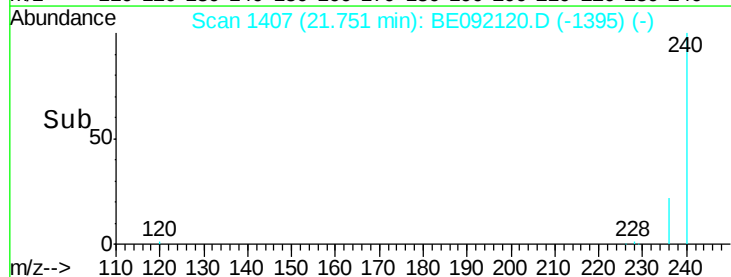
Abundance Ion 240.00 (239.70 to 240.70): E

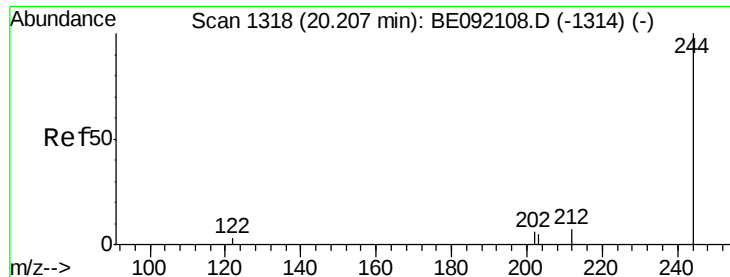
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.60 21.80

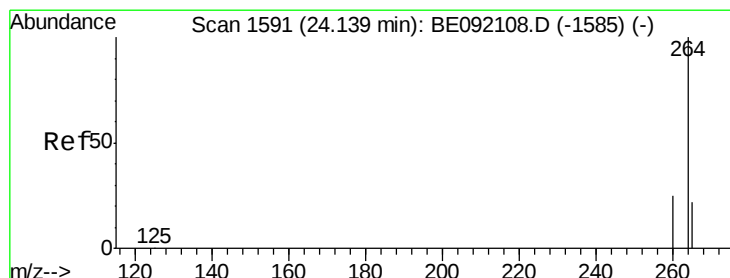
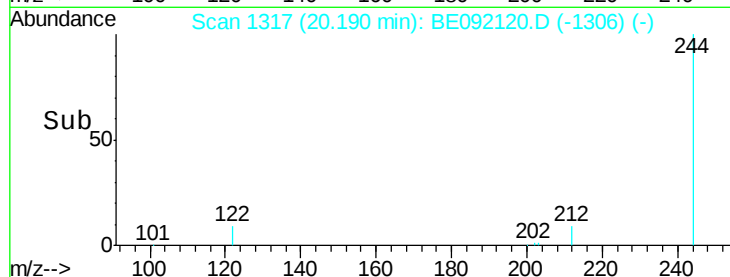
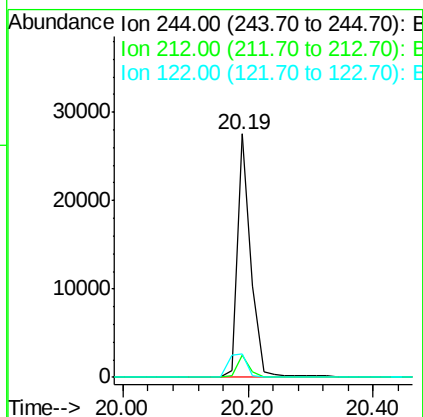
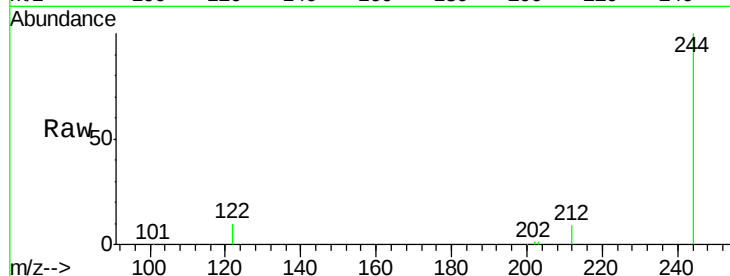




#24
 Terphenyl-d14
 Concen: 4.62 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092120.D
 Acq: 2 Aug 2016 20:45

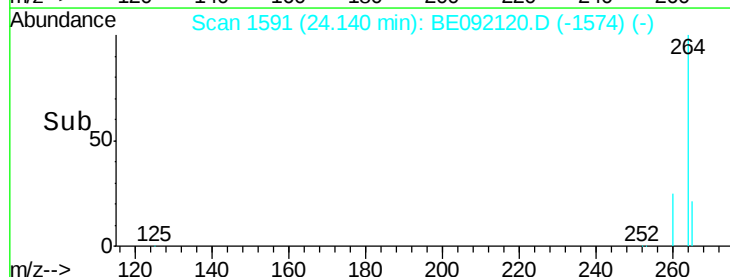
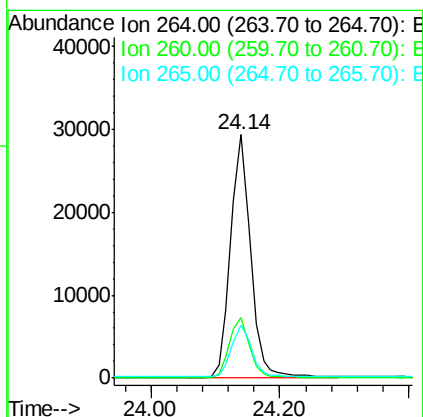
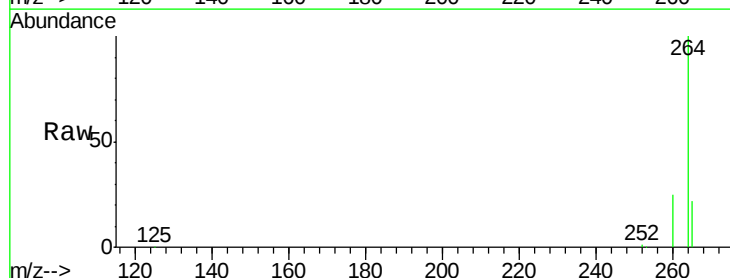
Instrument :
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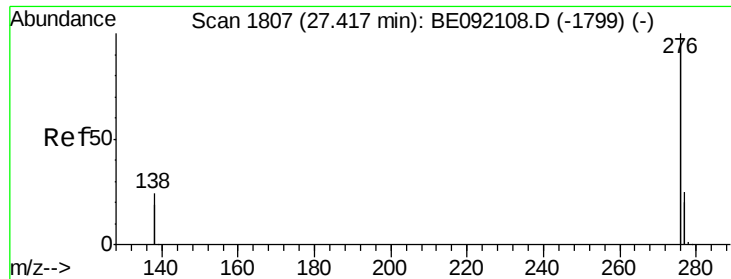
Tgt Ion: 244 Resp: 40882
 Ion Ratio Lower Upper
 244 100
 212 9.4 9.1 13.7
 122 9.6 11.0 16.4#



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.14 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BE092120.D
 Acq: 2 Aug 2016 20:45

Tgt Ion: 264 Resp: 63249
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.8 31.2
 265 21.8 16.6 25.0





#33

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 27.42 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BE092120.D

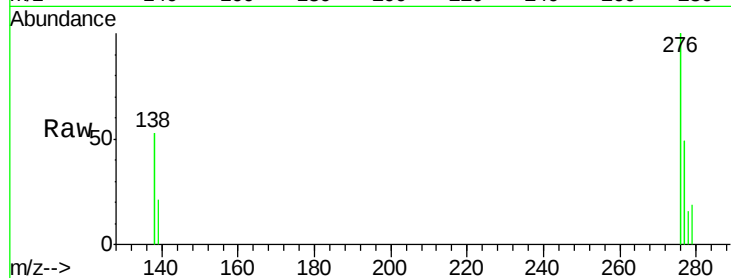
Acq: 2 Aug 2016 20:45

Instrument :

BNA_E

ClientSampleId :

GW-11-5.0-15.0



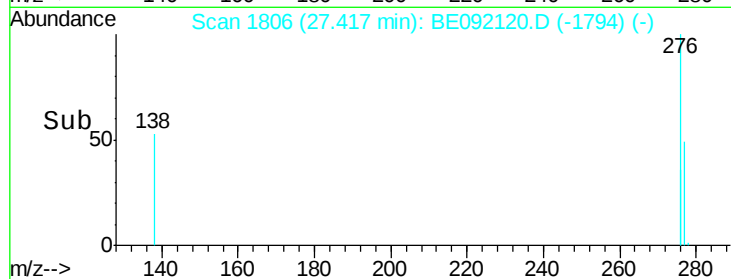
Tgt Ion: 276 Resp: 1871

Ion Ratio Lower Upper

276 100

277 49.4 19.5 29.3#

138 53.2 20.8 31.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

