

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080216\
 Data File : BE092144.D
 Acq On : 3 Aug 2016 12:25
 Operator : UM/SJ
 Sample : H4176-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-26-8.0-15.0

Quant Time: Aug 03 12:55:34 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

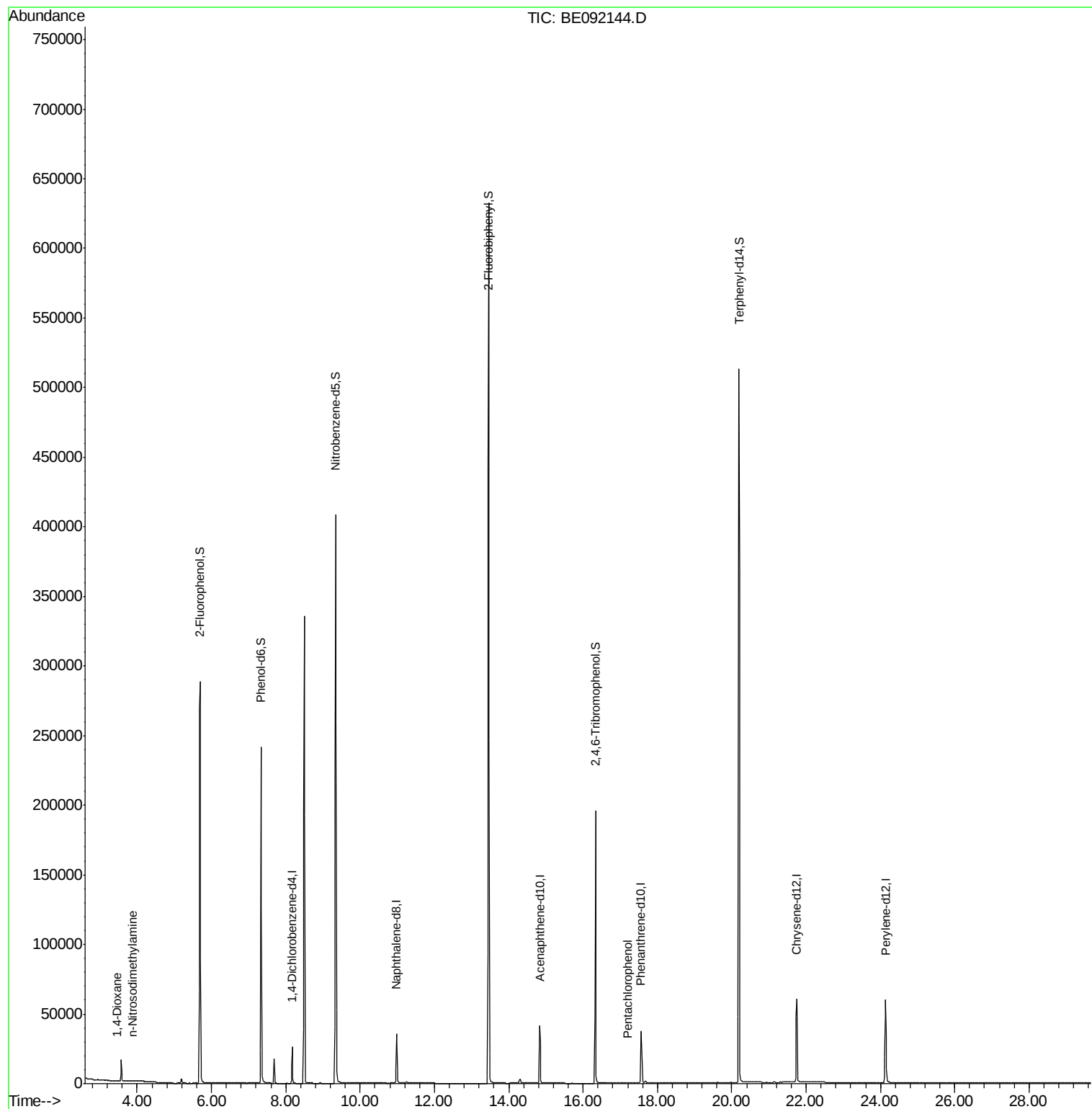
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12980	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	56931	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	30417	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	63748	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	83260	5.00	ng	0.00
28) Perylene-d12	24.14	264	85114	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	249399	74.82	ng	0.00
5) Phenol-d6	7.34	99	239348	53.89	ng	-0.01
7) Nitrobenzene-d5	9.34	82	348136	77.50	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	136535	138.24	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	631552	65.52	ng	0.00
24) Terphenyl-d14	20.19	244	768260	64.25	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.46	88	43	0.02	ng	# 20
3) n-Nitrosodimethylamine	3.88	42	24	0.10	ng	# 6
18) Pentachlorophenol	17.21	266	93	0.27	ng	# 58
19) Phenanthrene	17.60	178	245	Below Cal		# 74
30) Benzo(k)fluoranthene	23.40	252	90	Below Cal		# 1

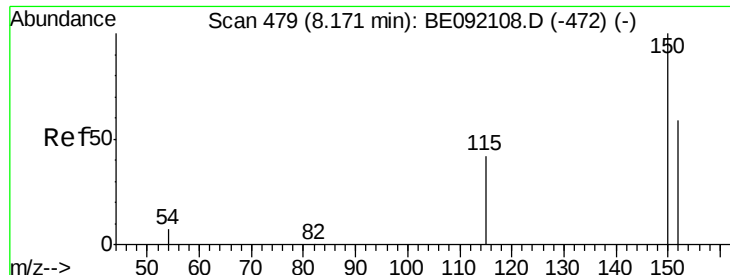
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092144.D

Acq: 3 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

GW-26-8.0-15.0

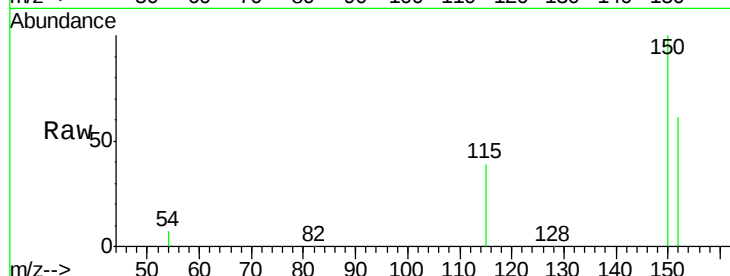
Tgt Ion:152 Resp: 12980

Ion Ratio Lower Upper

152 100

150 163.7 106.0 159.0#

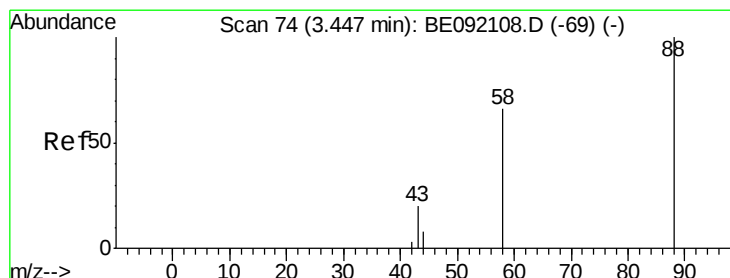
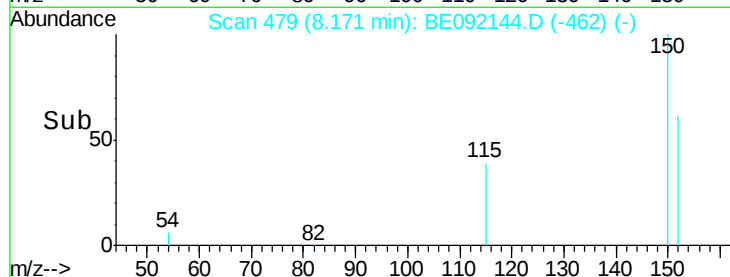
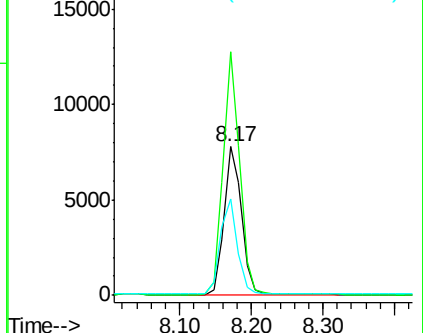
115 64.6 36.9 55.3#



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: 0.02 ng

RT: 3.46 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

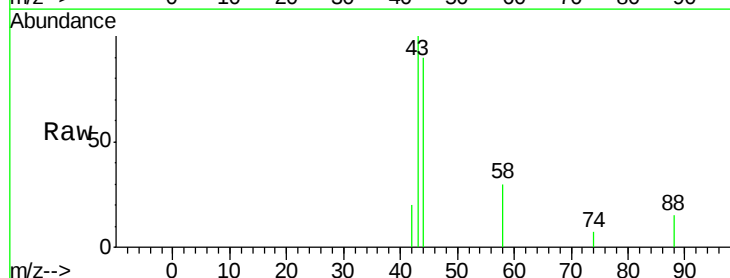
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

58 0.0 62.1 93.1#

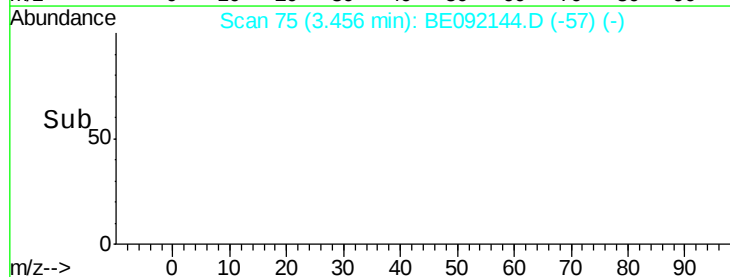
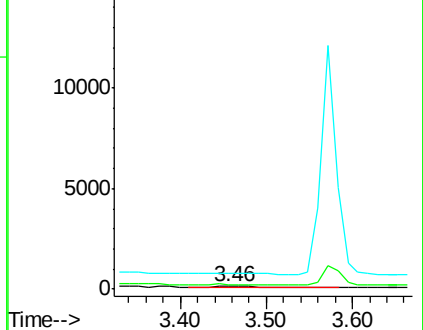
43 0.0 27.2 40.8#

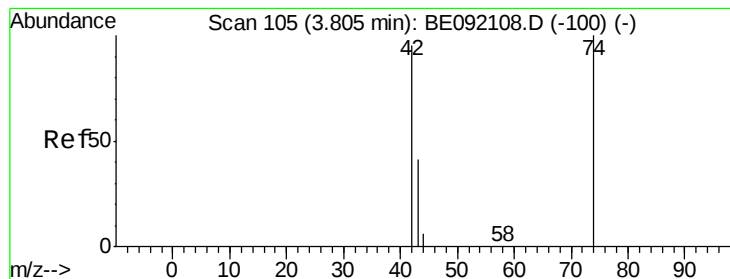


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.88 min Scan# 112

Delta R.T. 0.08 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

GW-26-8.0-15.0

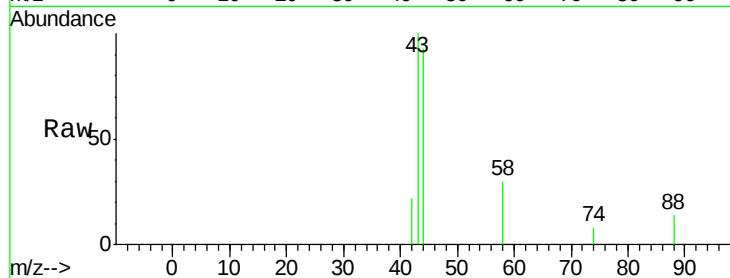
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

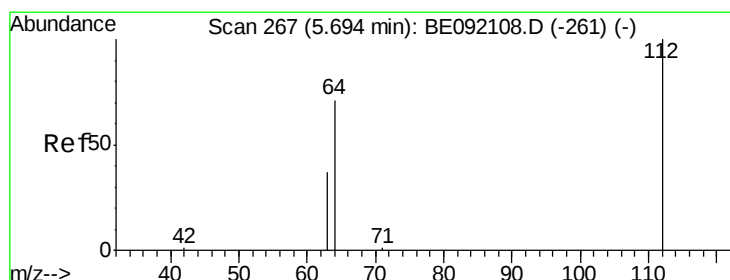
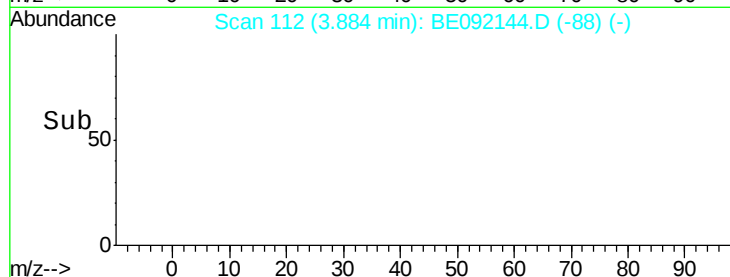
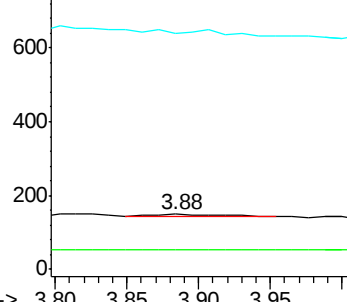
44 0.0 9.0 13.4#



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: 74.82 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

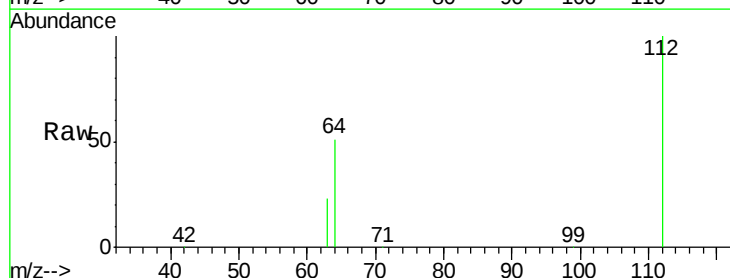
Tgt Ion: 112 Resp: 249399

Ion Ratio Lower Upper

112 100

64 68.2 55.9 83.9

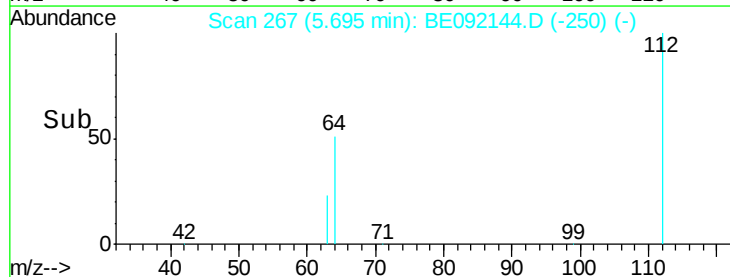
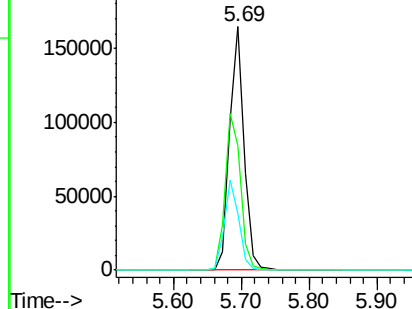
63 36.9 31.1 46.7



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: 53.89 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

GW-26-8.0-15.0

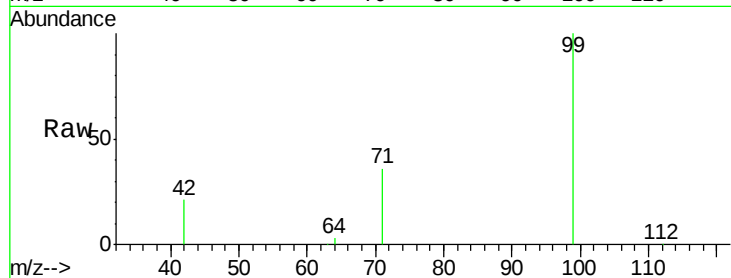
Tgt Ion: 99 Resp: 239348

Ion Ratio Lower Upper

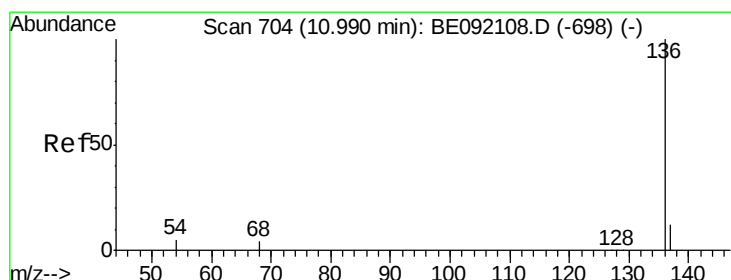
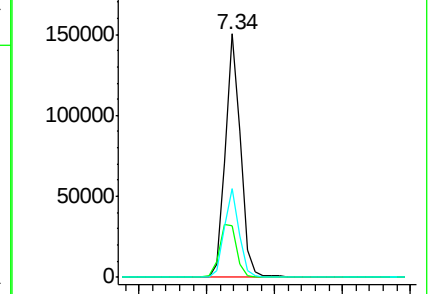
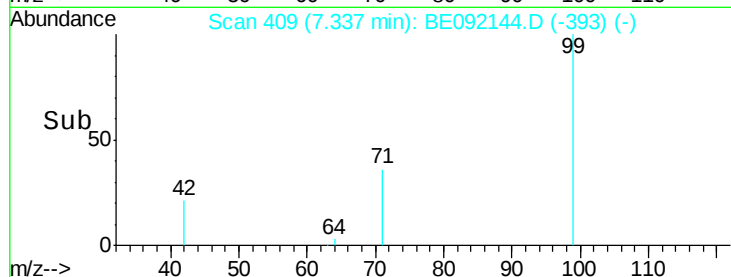
99 100

42 24.9 22.4 33.6

71 35.7 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: BE092144.D

Acq: 3 Aug 2016 12:25

Tgt Ion: 136 Resp: 56931

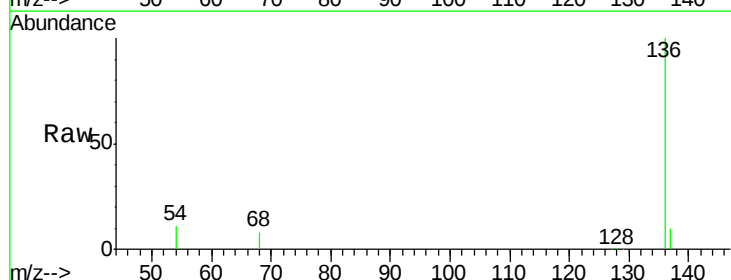
Ion Ratio Lower Upper

136 100

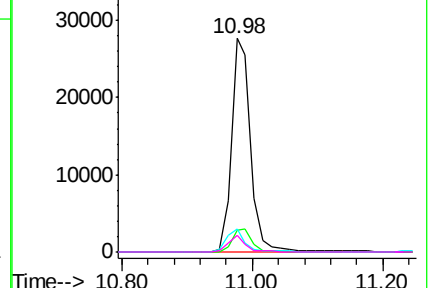
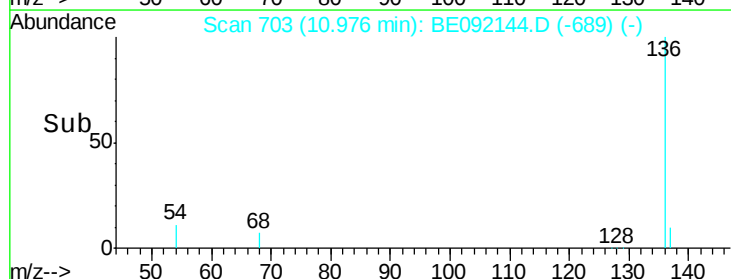
137 10.3 9.1 13.7

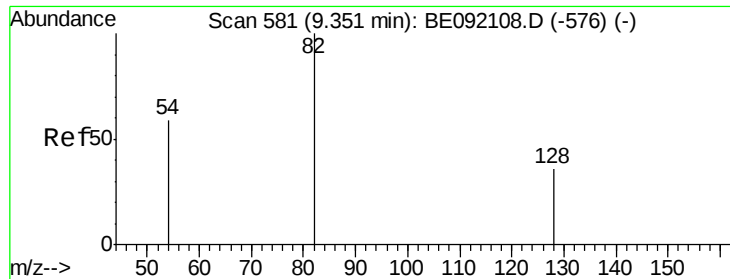
54 11.1 2.7 4.1#

68 7.6 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: 77.50 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

GW-26-8.0-15.0

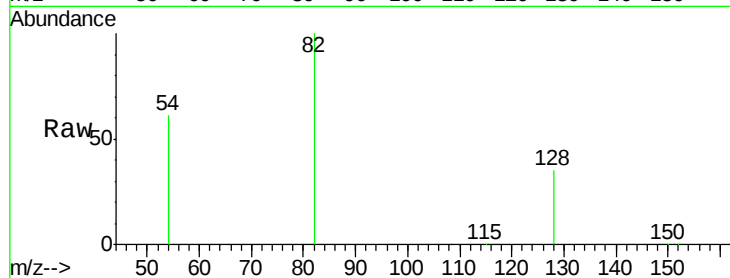
Tgt Ion: 82 Resp: 348136

Ion Ratio Lower Upper

82 100

128 35.0 33.0 49.4

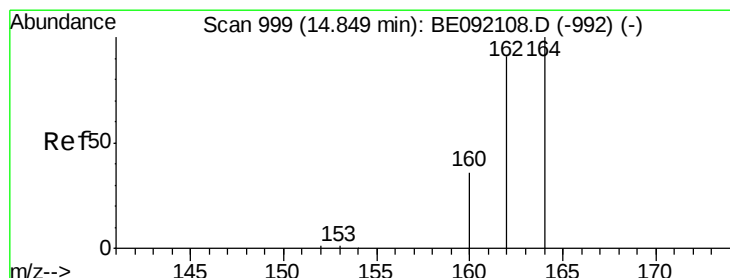
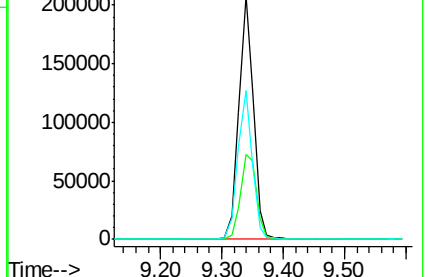
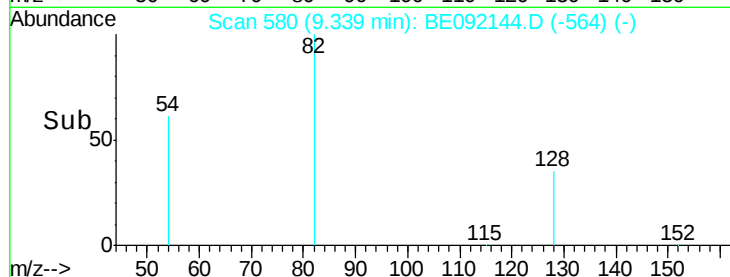
54 61.2 42.6 63.8



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) (-)



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

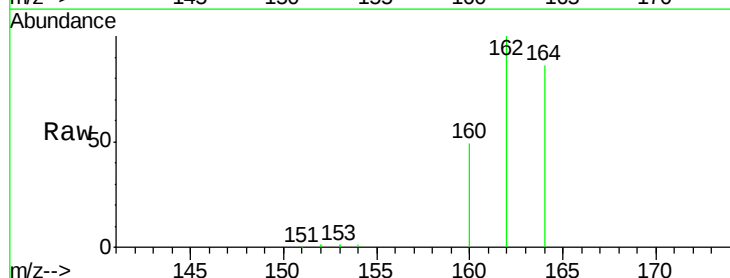
Tgt Ion: 164 Resp: 30417

Ion Ratio Lower Upper

164 100

162 116.0 69.5 104.3#

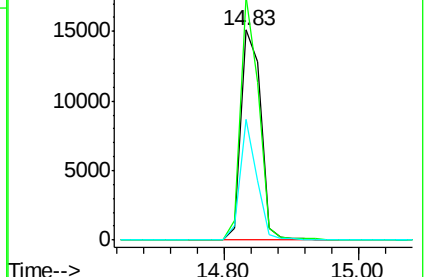
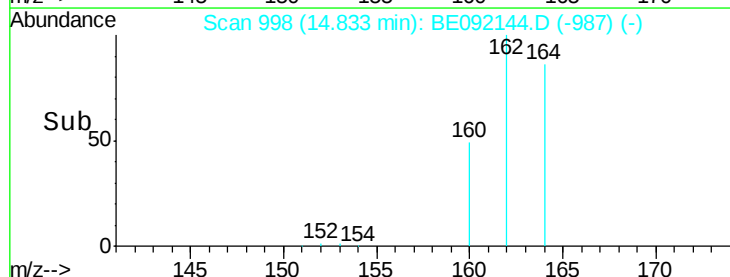
160 57.3 27.6 41.4#

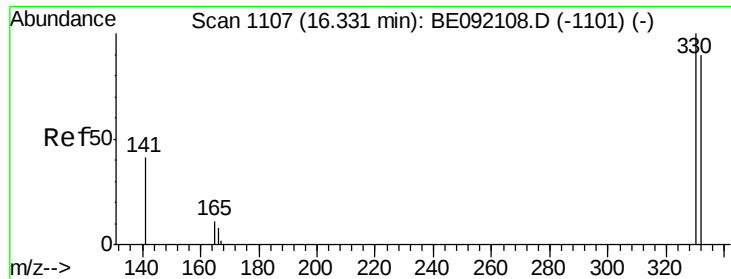


Abundance Ion 164.00 (163.70 to 164.70): BE092108.D (-992) (-)

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

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

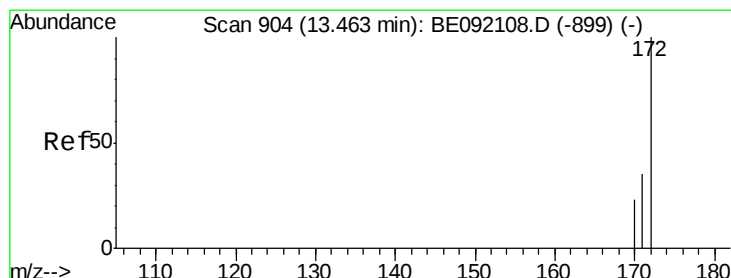
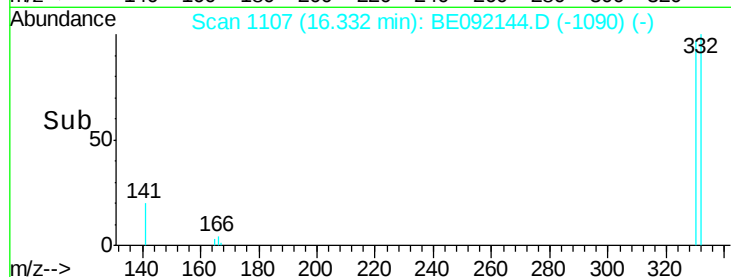
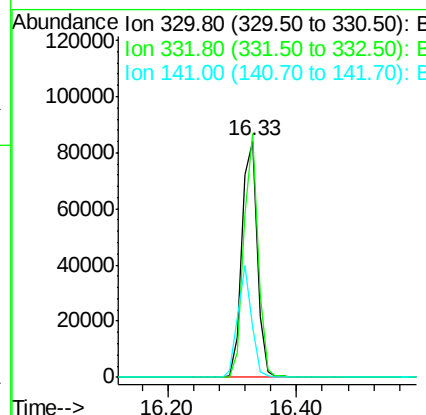
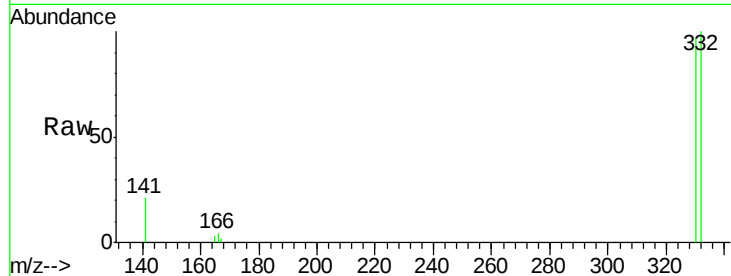




#11
 2,4,6-Tribromophenol
 Concen: 138.24 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092144.D
 Acq: 3 Aug 2016 12:25

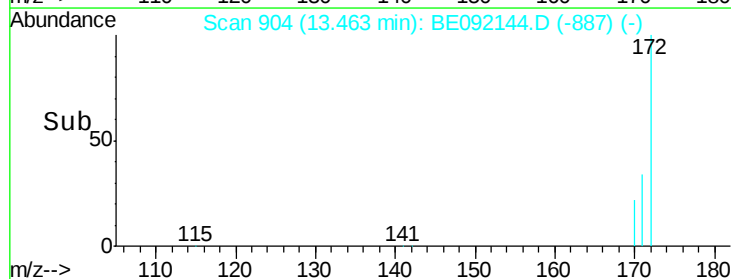
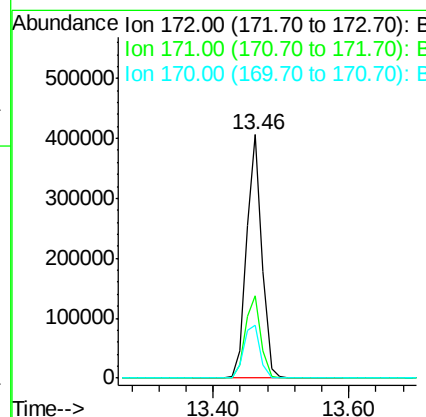
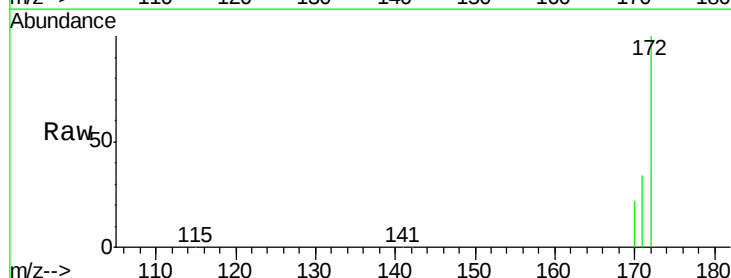
Instrument :
 BNA_E
 ClientSampleId :
 GW-26-8.0-15.0

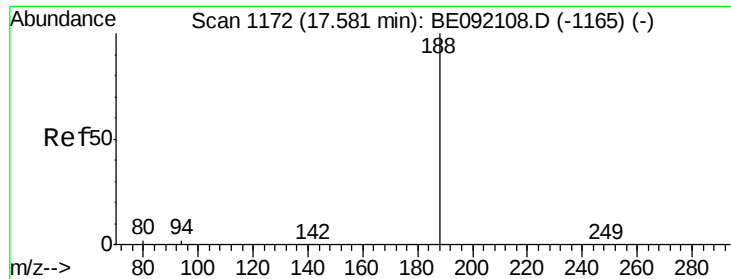
Tgt Ion:330 Resp: 136535
 Ion Ratio Lower Upper
 330 100
 332 95.7 74.2 111.4
 141 42.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 65.52 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092144.D
 Acq: 3 Aug 2016 12:25

Tgt Ion:172 Resp: 631552
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.3 45.5
 170 21.6 21.6 32.4#

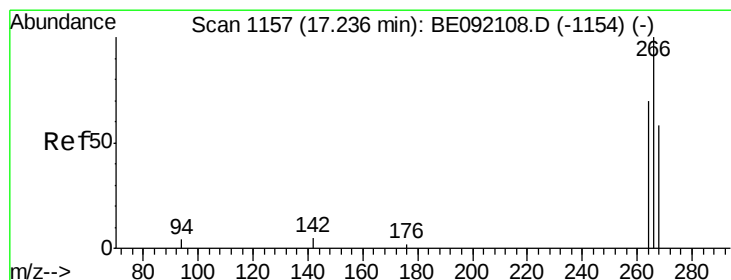
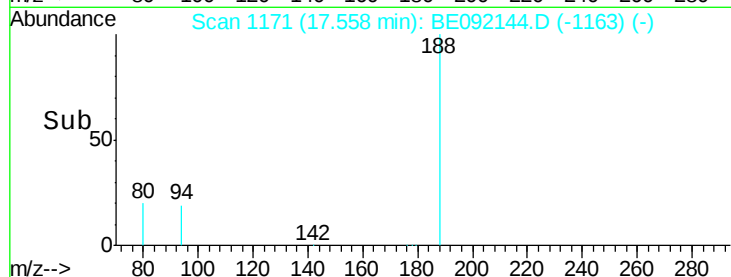
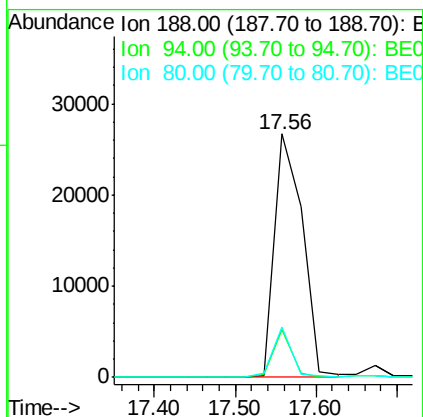
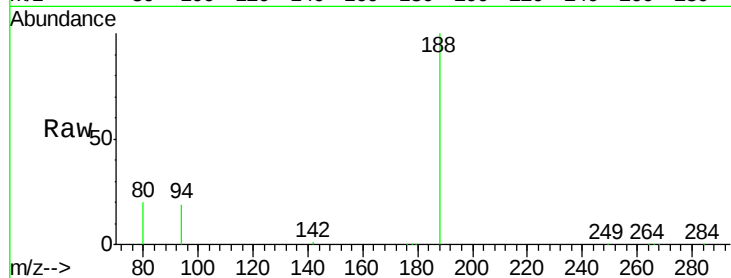




#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092144.D
Acq: 3 Aug 2016 12:25

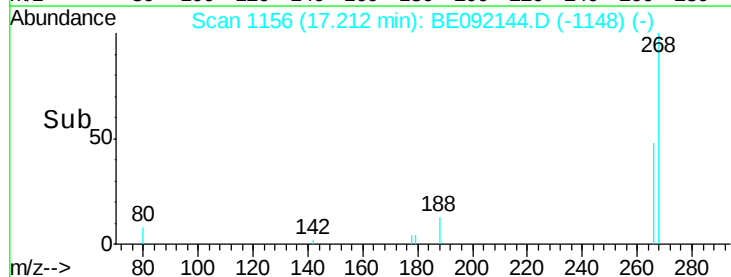
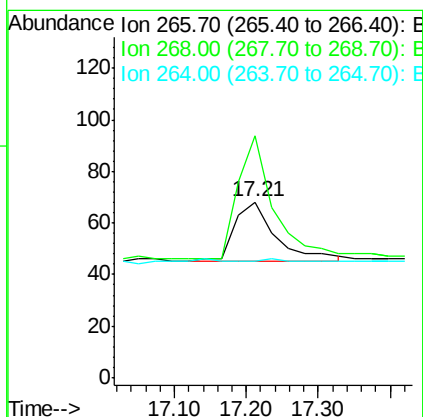
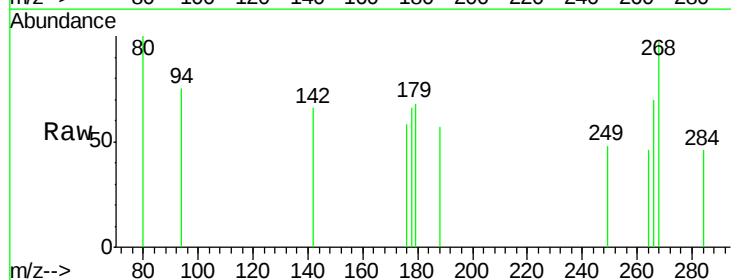
Instrument :
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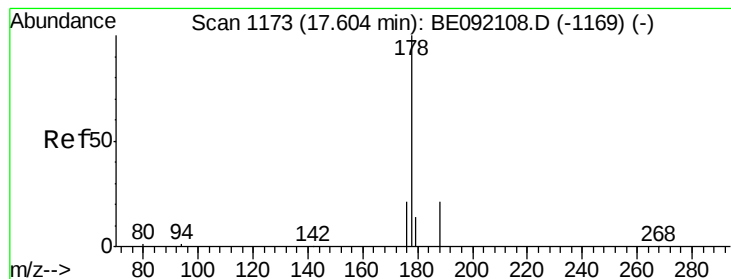
Tgt Ion:188 Resp: 63748
Ion Ratio Lower Upper
188 100
94 19.4 3.9 5.9#
80 20.5 3.4 5.0#



#18
Pentachlorophenol
Concen: 0.27 ng
RT: 17.21 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BE092144.D
Acq: 3 Aug 2016 12:25

Tgt Ion:266 Resp: 93
Ion Ratio Lower Upper
266 100
268 138.2 62.7 94.1#
264 66.2 63.5 95.3





#19

Phenanthrene

Concen: Below Cal

RT: 17.60 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

GW-26-8.0-15.0

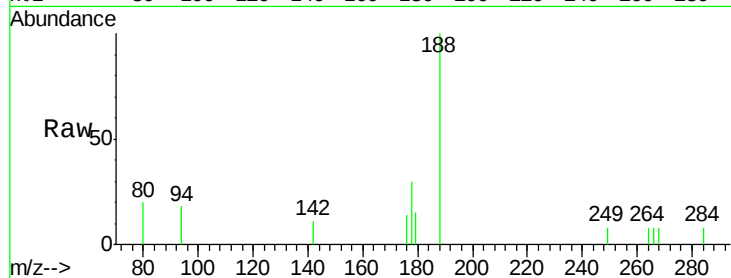
Tgt Ion:178 Resp: 245

Ion Ratio Lower Upper

178 100

176 26.9 15.4 23.0#

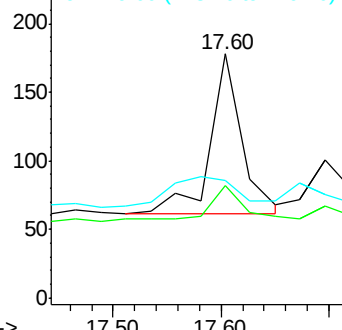
179 0.0 12.7 19.1#



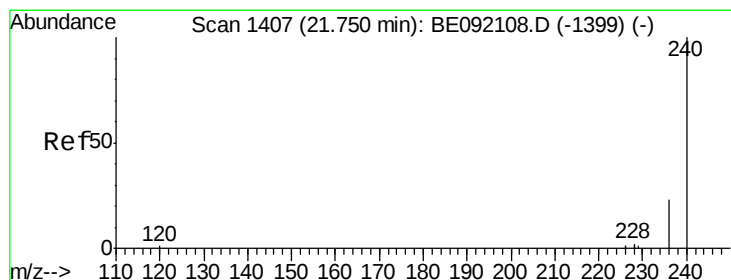
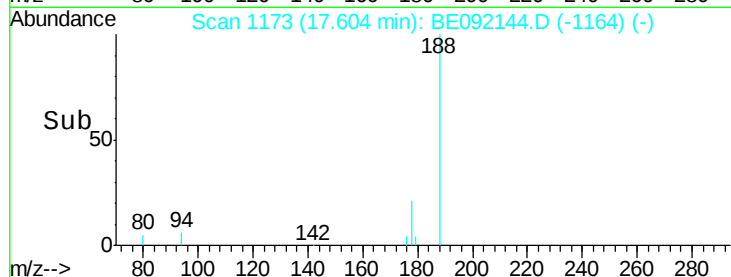
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092144.D

Acq: 3 Aug 2016 12:25

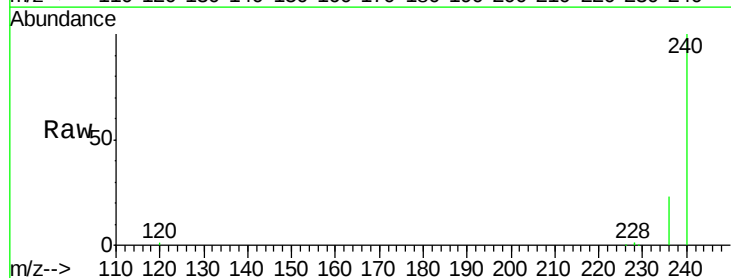
Tgt Ion:240 Resp: 83260

Ion Ratio Lower Upper

240 100

120 1.2 0.6 1.0#

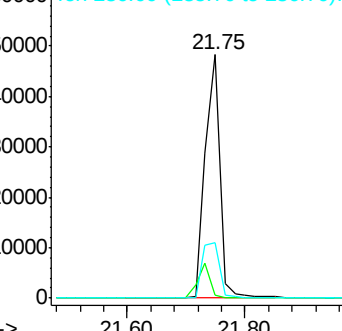
236 22.6 18.2 27.4



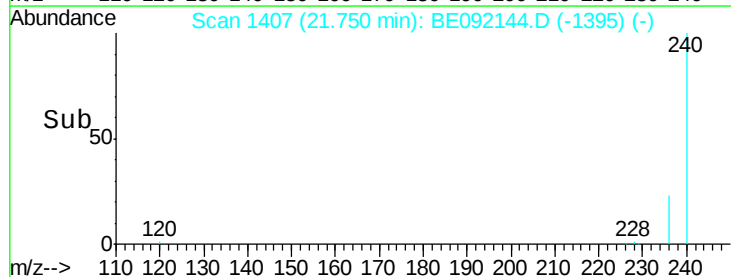
Abundance Ion 240.00 (239.70 to 240.70): E

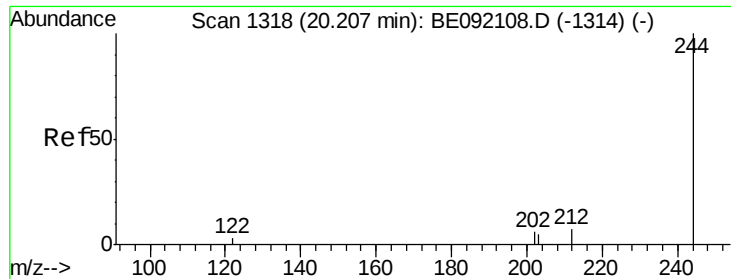
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

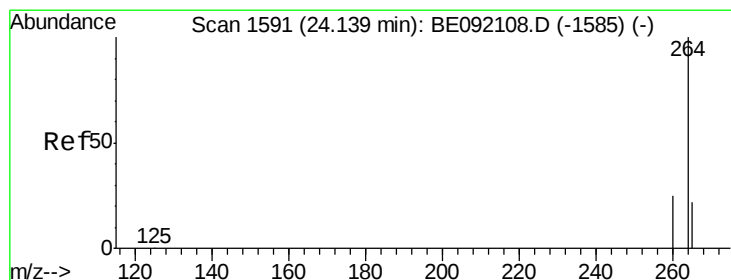
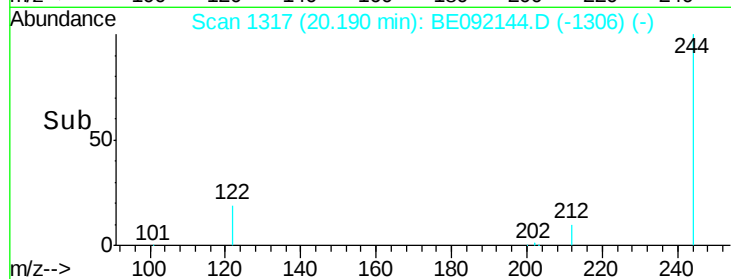
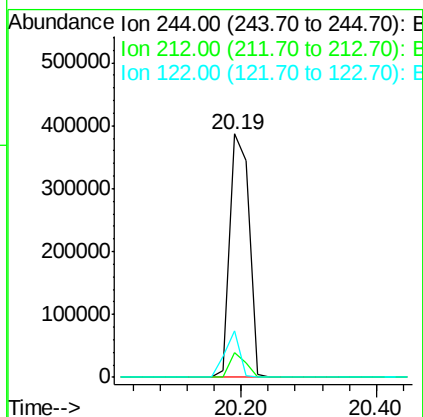
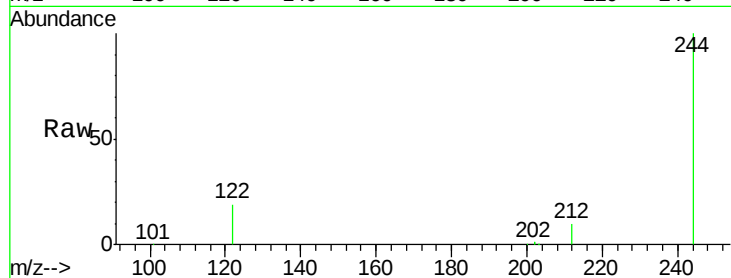




#24
 Terphenyl-d14
 Concen: 64.25 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092144.D
 Acq: 3 Aug 2016 12:25

Instrument :
 BNA_E
 ClientSampleId :
 GW-26-8.0-15.0

Tgt Ion:244 Resp: 768260
 Ion Ratio Lower Upper
 244 100
 212 10.2 9.1 13.7
 122 19.3 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: BE092144.D
 Acq: 3 Aug 2016 12:25

Tgt Ion:264 Resp: 85114
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.8 31.2
 265 22.0 16.6 25.0

