

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092195.D
 Acq On : 4 Aug 2016 23:05
 Operator : UM/SJ
 Sample : H4269-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-54-16.1-20.0

Quant Time: Aug 05 03:15:30 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	11616	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	52989	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29046	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	70022	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	85663	5.00	ng	0.00
28) Perylene-d12	24.14	264	85049	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	11643	3.90	ng	0.00
5) Phenol-d6	7.35	99	9587	2.41	ng	0.00
7) Nitrobenzene-d5	9.34	82	13393	3.20	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7272	7.71	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30726	3.34	ng	0.00
24) Terphenyl-d14	20.19	244	49531	4.03	ng	-0.02

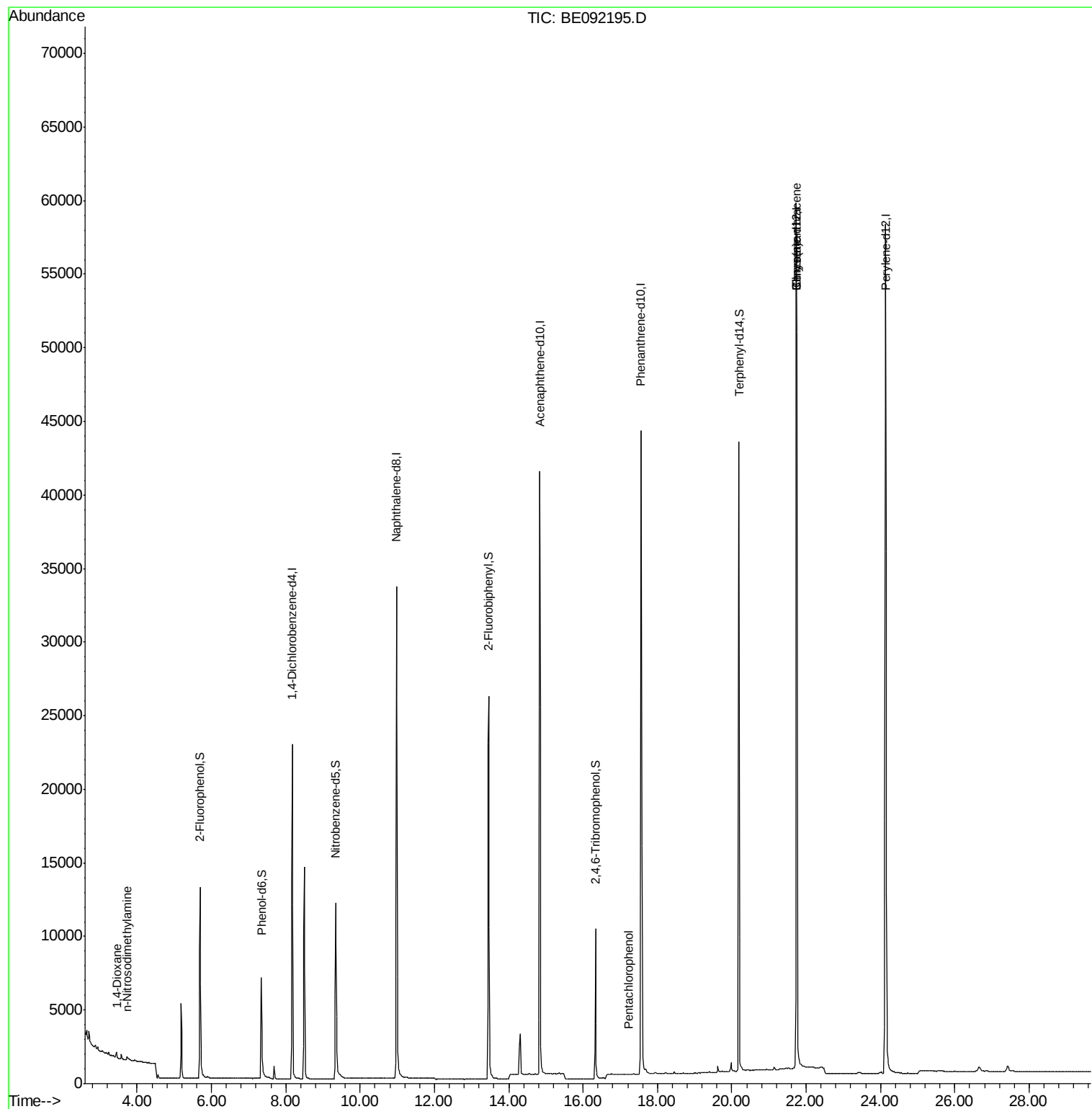
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	309	0.20	ng	# 56
3) n-Nitrosodimethylamine	3.72	42	153	0.16	ng	# 1
8) Naphthalene	11.03	128	49	Below Cal		# 1
18) Pentachlorophenol	17.24	266	4	0.20	ng	# 77
19) Phenanthrene	17.61	178	225	Below Cal		# 83
25) Benzo(a)anthracene	21.73	228	2126	0.02	ng	# 69
26) Chrysene	21.73	228	2189	0.02	ng	# 71
30) Benzo(k)fluoranthene	23.46	252	129	Below Cal		# 1

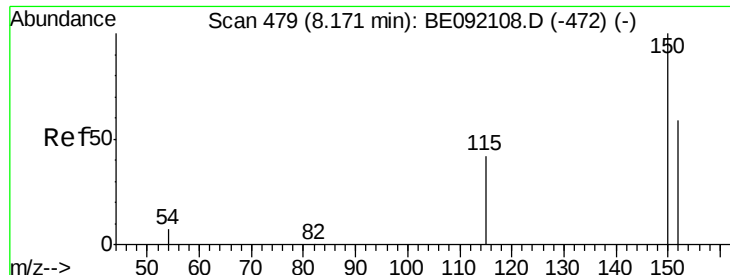
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

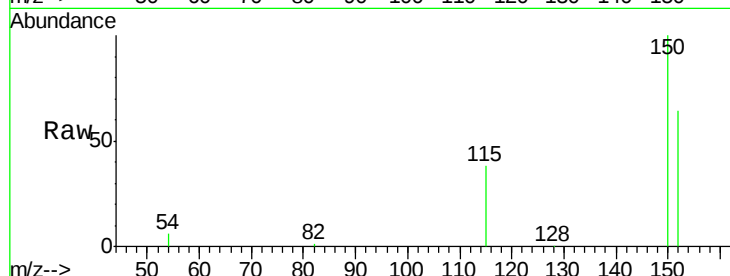
Tgt Ion:152 Resp: 11616

Ion Ratio Lower Upper

152 100

150 157.1 106.0 159.0

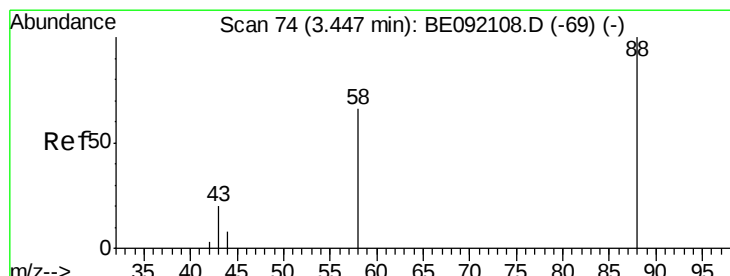
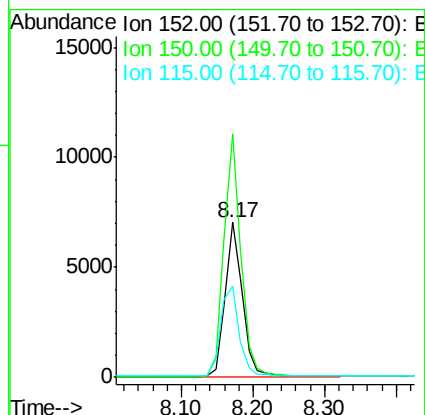
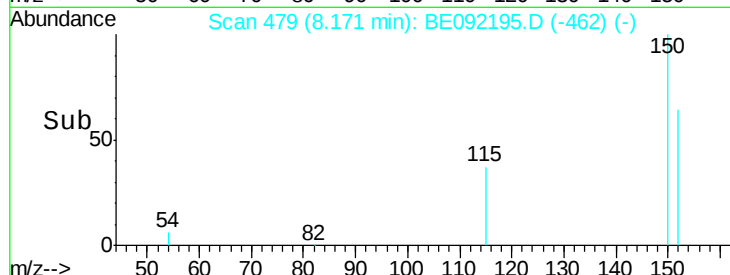
115 59.3 36.9 55.3#



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: 0.20 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

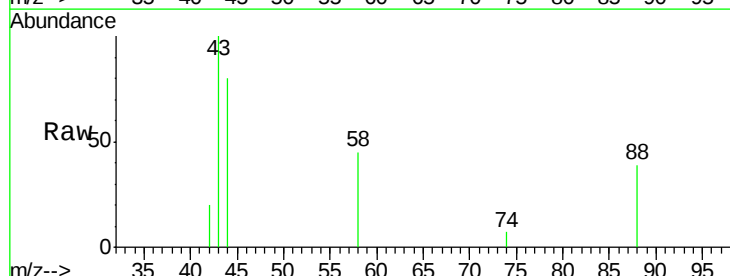
Tgt Ion: 88 Resp: 309

Ion Ratio Lower Upper

88 100

58 93.5 62.1 93.1#

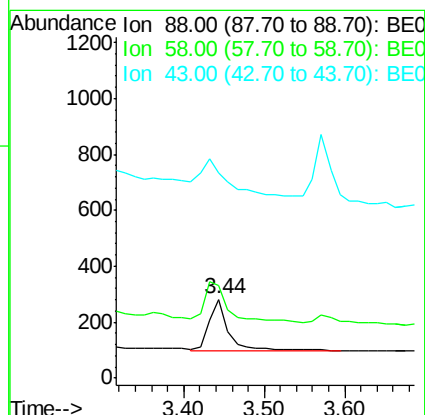
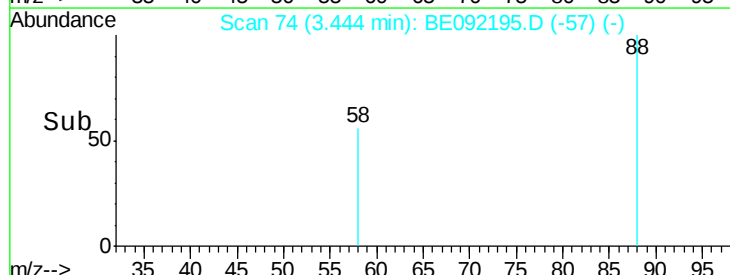
43 92.6 27.2 40.8#

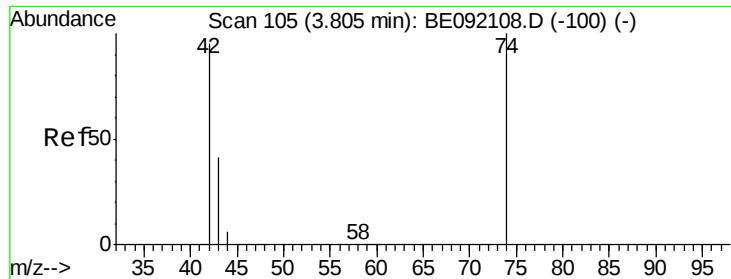


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

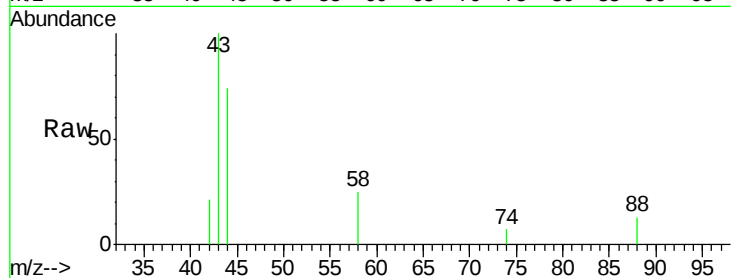
Tgt Ion: 42 Resp: 153

Ion Ratio Lower Upper

42 100

74 1.3 82.8 124.2#

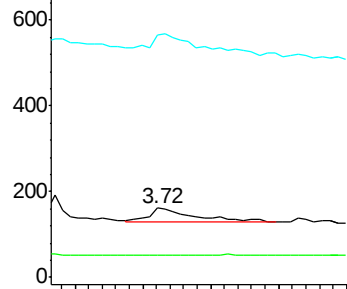
44 169.3 9.0 13.4#



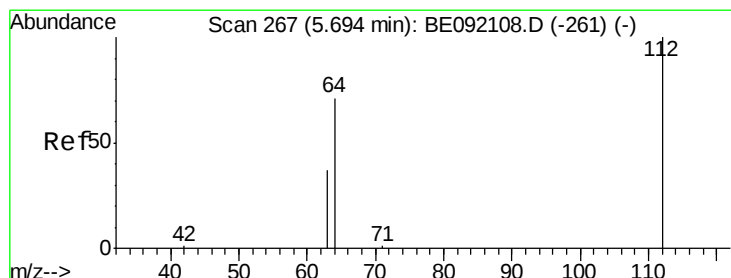
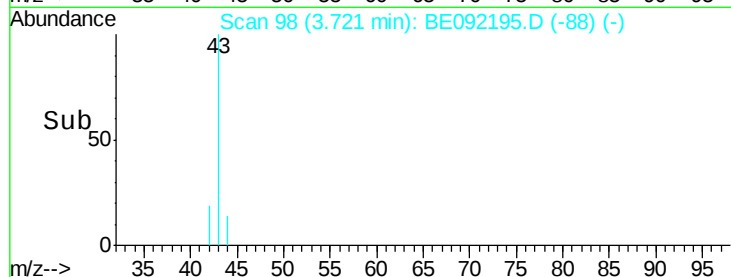
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 3.90 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

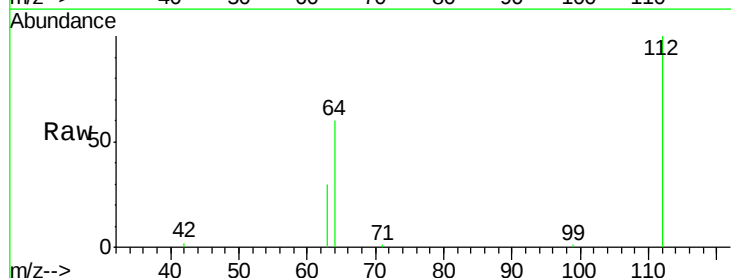
Tgt Ion: 112 Resp: 11643

Ion Ratio Lower Upper

112 100

64 66.7 55.9 83.9

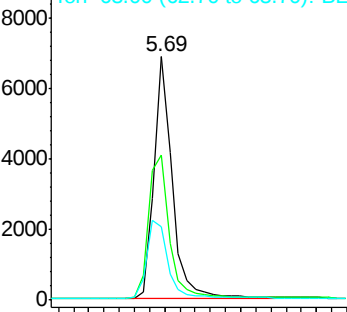
63 36.4 31.1 46.7



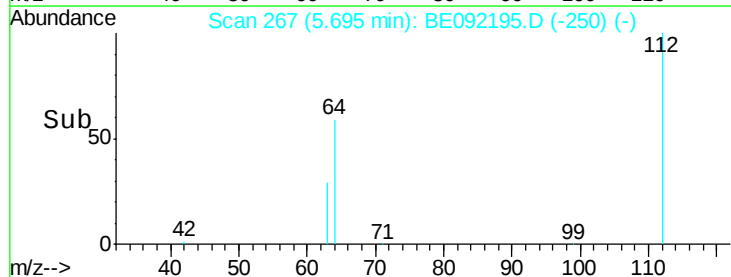
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 2.41 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

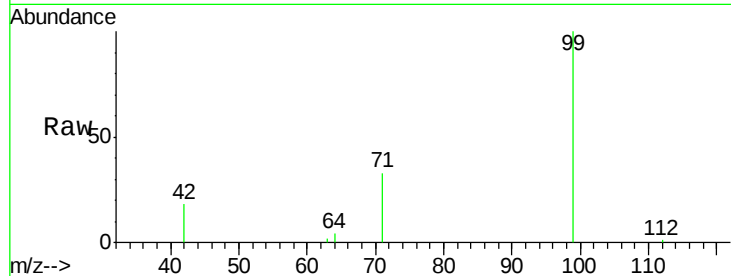
Tgt Ion: 99 Resp: 9587

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

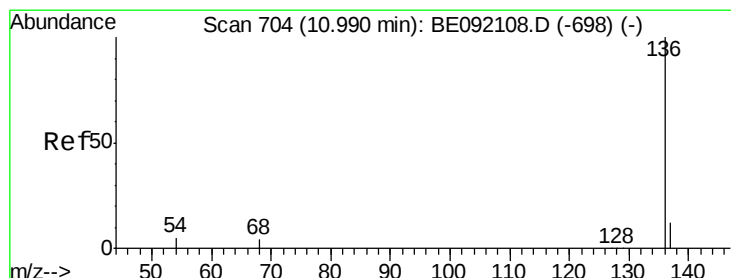
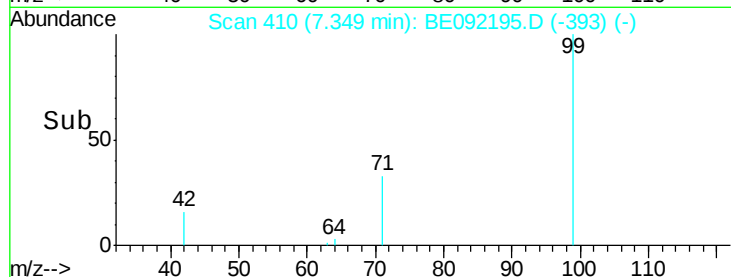
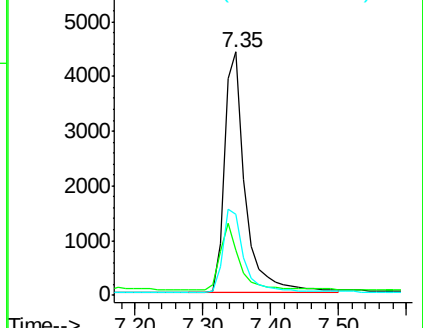
71 35.5 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

Tgt Ion: 136 Resp: 52989

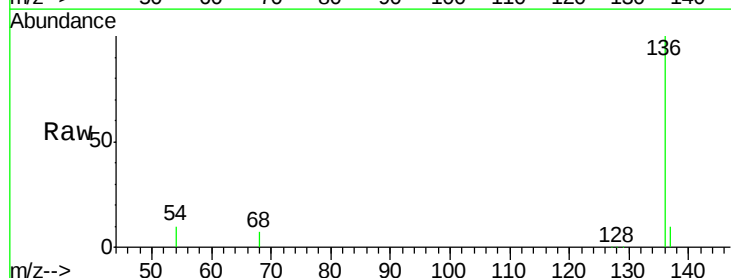
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 10.3 2.7 4.1#

68 7.2 2.2 3.4#

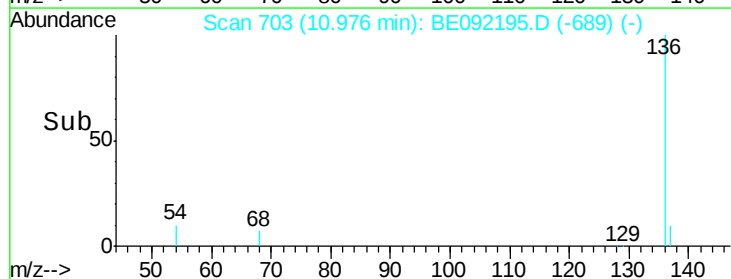
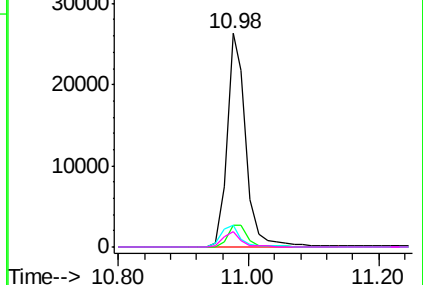


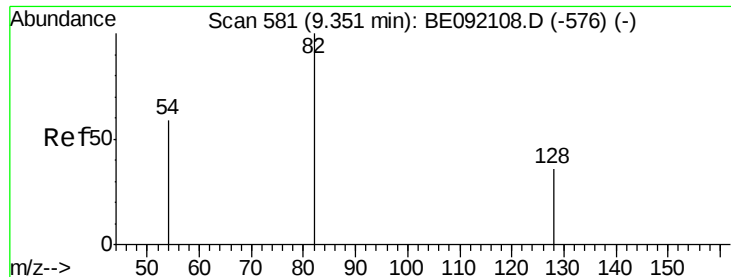
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

Ion 137.00 (136.70 to 137.70): BE092108.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092108.D (-698) (-)





#7

Nitrobenzene-d5

Concen: 3.20 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

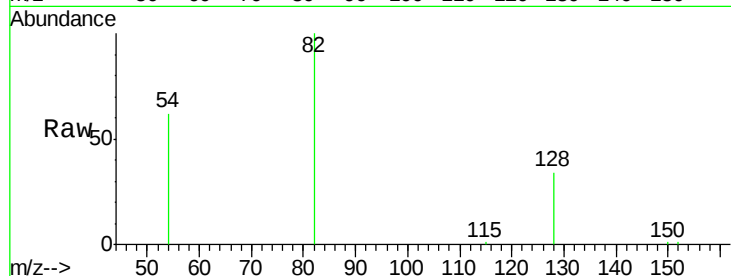
Tgt Ion: 82 Resp: 13393

Ion Ratio Lower Upper

82 100

128 33.9 33.0 49.4

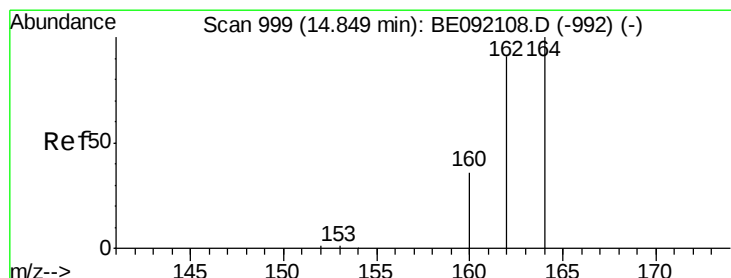
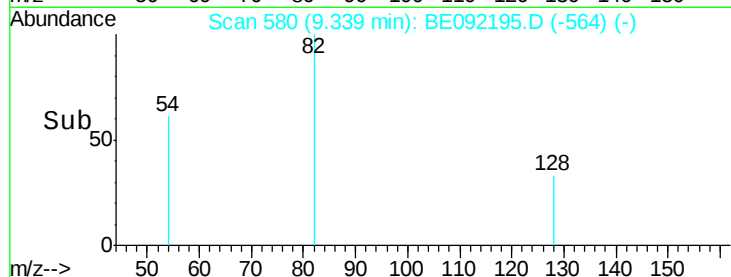
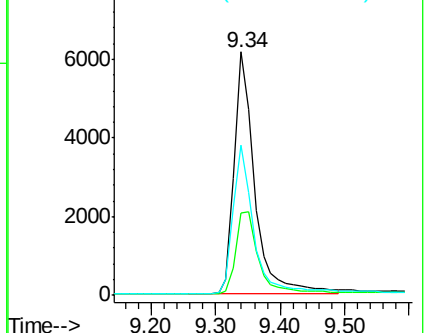
54 61.9 42.6 63.8



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: BE092195.D

Acq: 4 Aug 2016 23:05

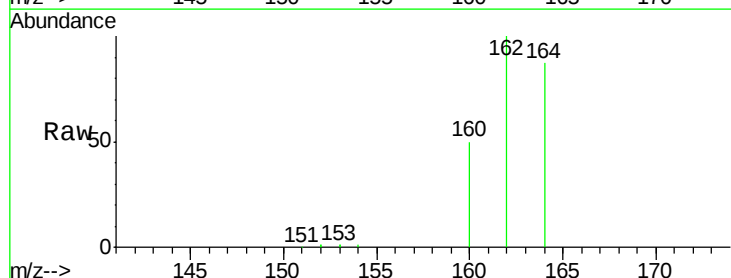
Tgt Ion: 164 Resp: 29046

Ion Ratio Lower Upper

164 100

162 114.5 69.5 104.3#

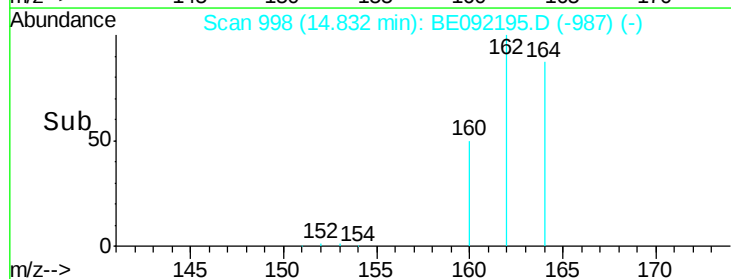
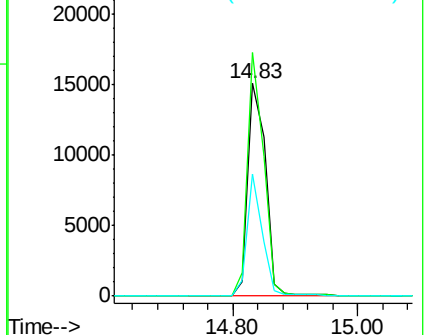
160 57.4 27.6 41.4#

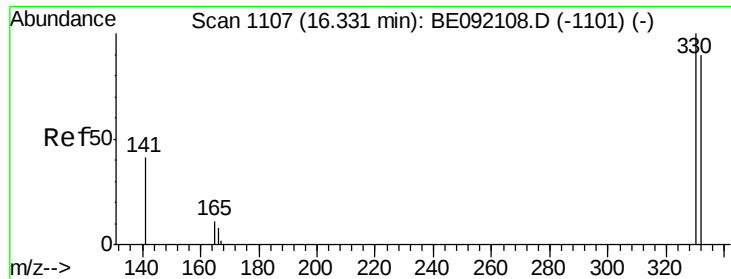


Abundance Ion 164.00 (163.70 to 164.70): BE092108.D (-992) (-)

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

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

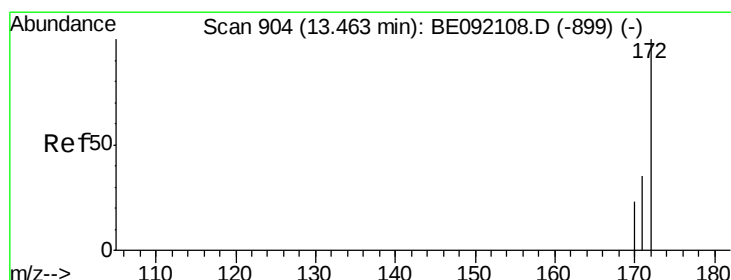
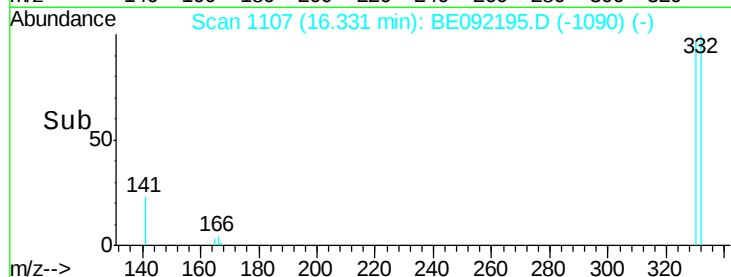
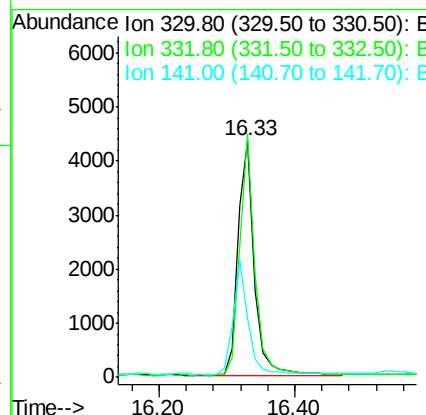
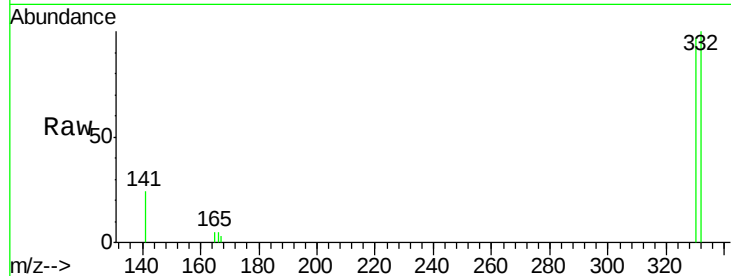




#11
 2,4,6-Tribromophenol
 Concen: 7.71 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092195.D
 Acq: 4 Aug 2016 23:05

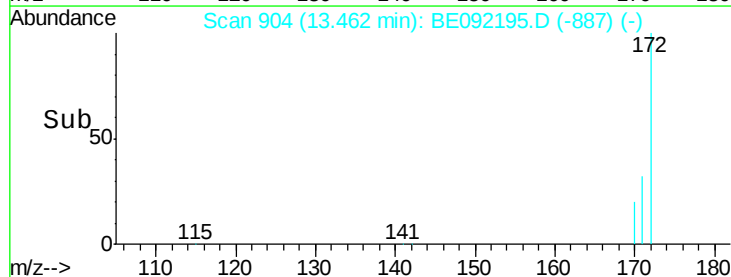
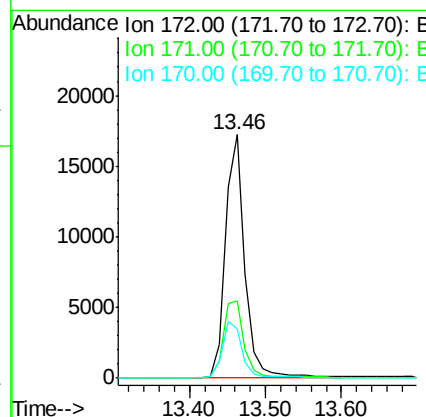
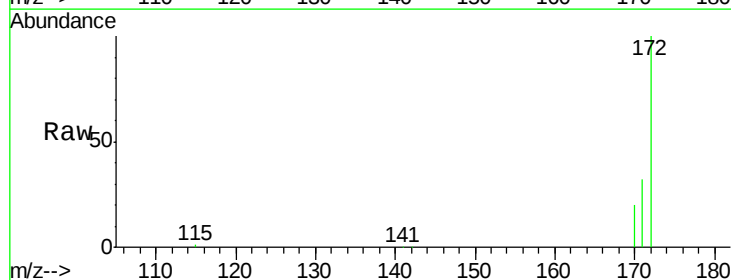
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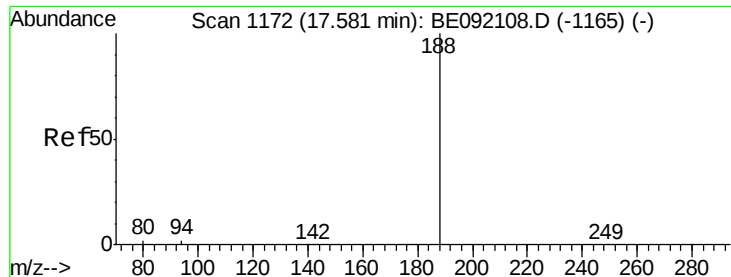
Tgt Ion:330 Resp: 7272
 Ion Ratio Lower Upper
 330 100
 332 96.2 74.2 111.4
 141 44.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.34 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092195.D
 Acq: 4 Aug 2016 23:05

Tgt Ion:172 Resp: 30726
 Ion Ratio Lower Upper
 172 100
 171 31.7 30.3 45.5
 170 20.0 21.6 32.4#

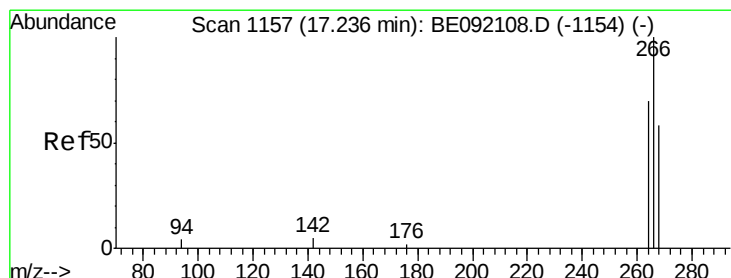
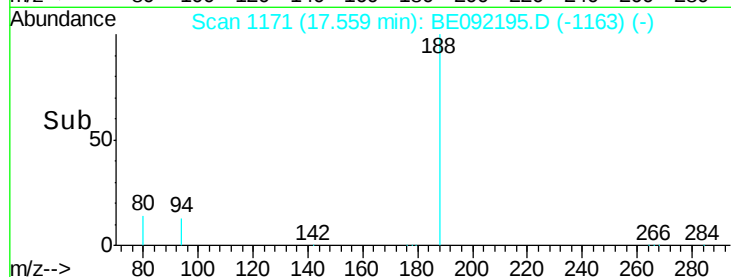
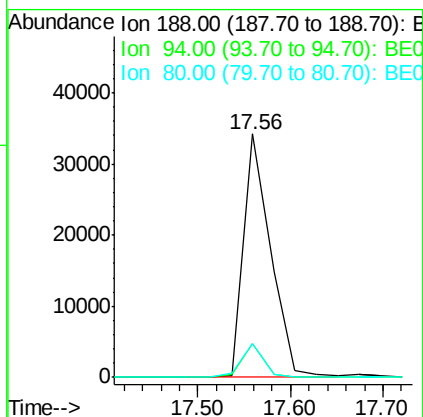
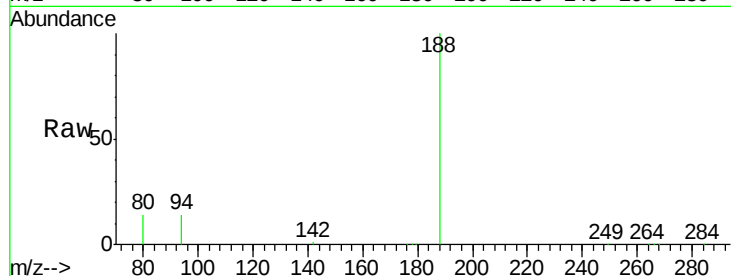




#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092195.D
Acq: 4 Aug 2016 23:05

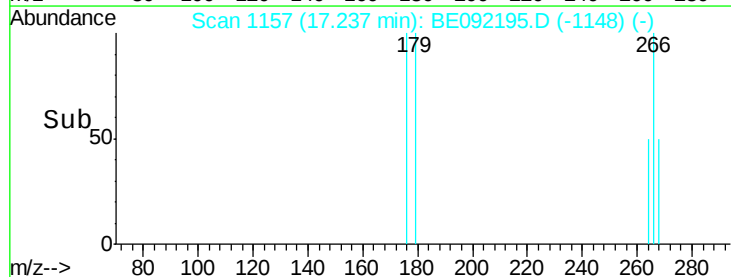
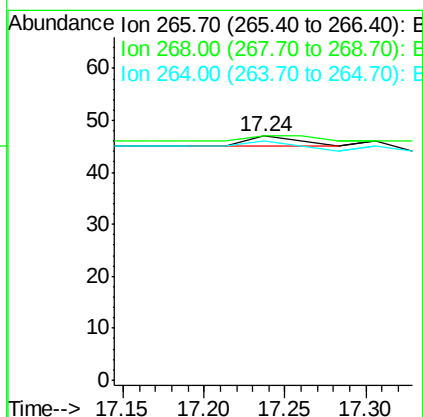
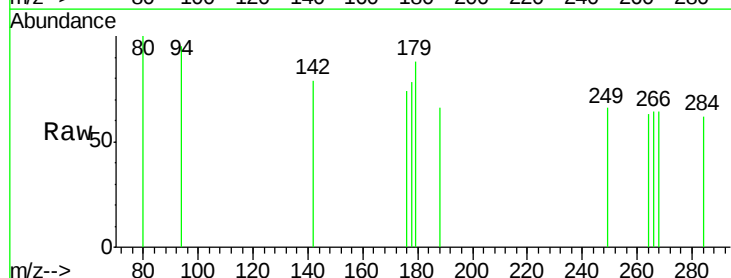
Instrument :
BNA_E
ClientSampleId :
GW-54-16.1-20.0

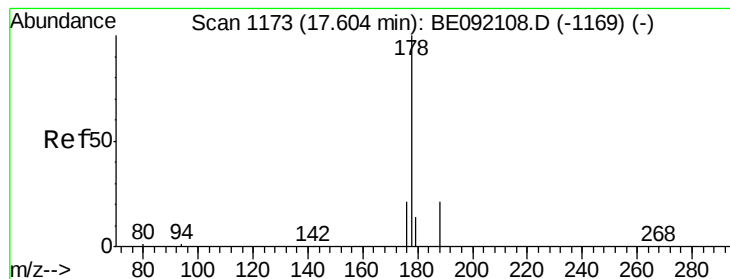
Tgt Ion:188 Resp: 70022
Ion Ratio Lower Upper
188 100
94 13.6 3.9 5.9#
80 14.1 3.4 5.0#



#18
Pentachlorophenol
Concen: 0.20 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092195.D
Acq: 4 Aug 2016 23:05

Tgt Ion:266 Resp: 4
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: 17.61 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

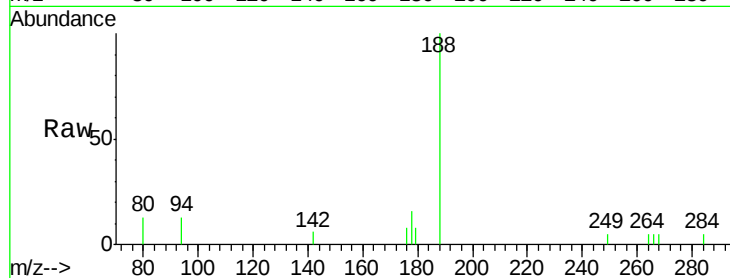
Tgt Ion:178 Resp: 225

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

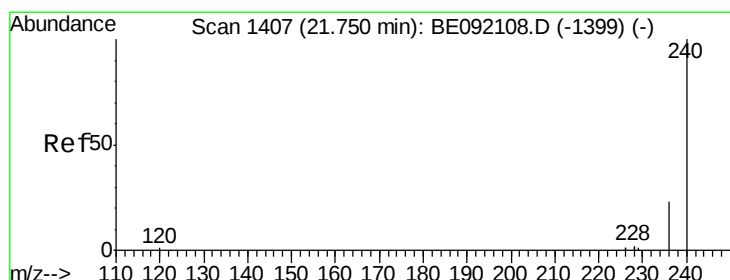
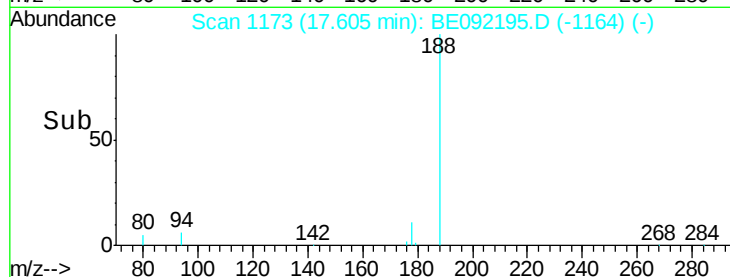
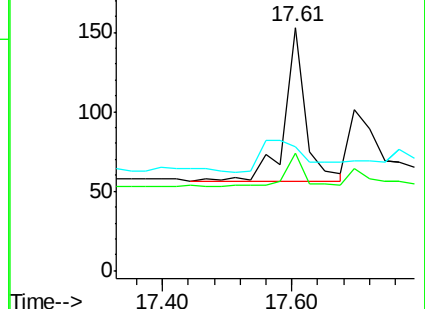
179 0.0 12.7 19.1#



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

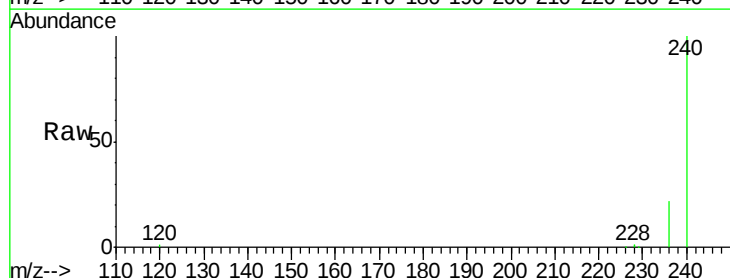
Tgt Ion:240 Resp: 85663

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

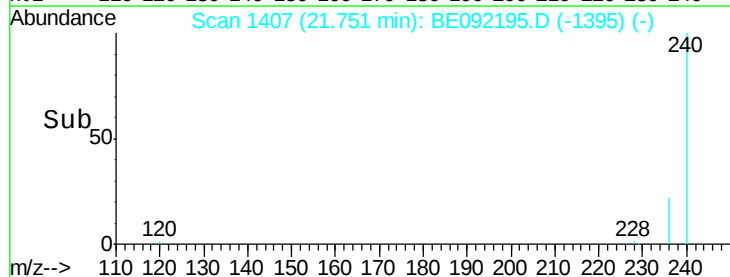
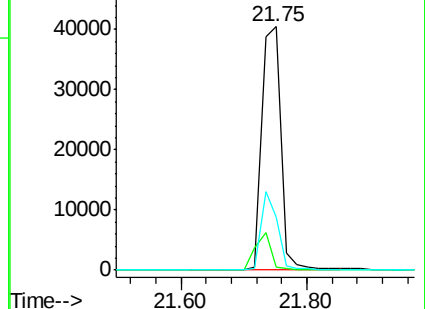
236 21.9 18.2 27.4

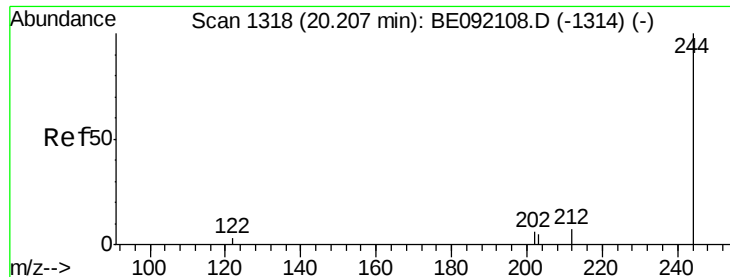


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.03 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

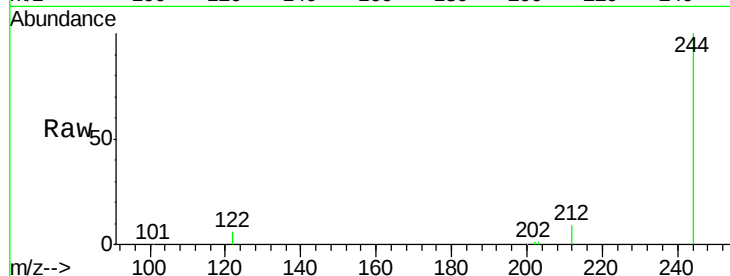
Tgt Ion:244 Resp: 49531

Ion Ratio Lower Upper

244 100

212 8.8 9.1 13.7#

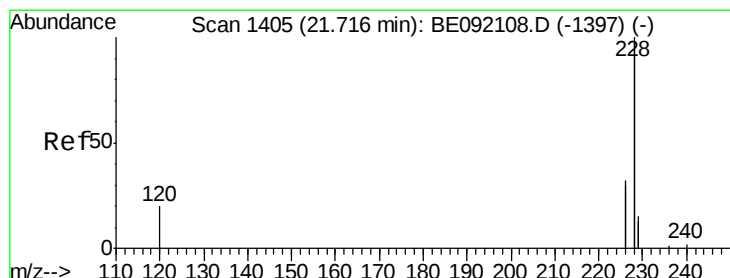
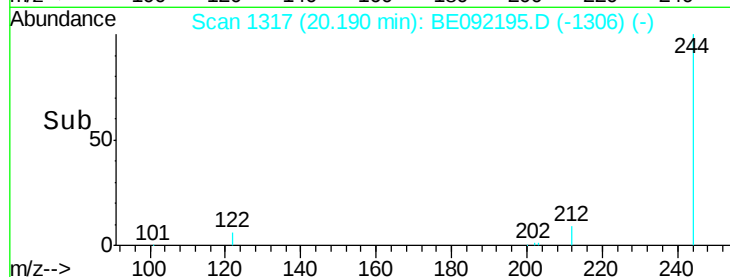
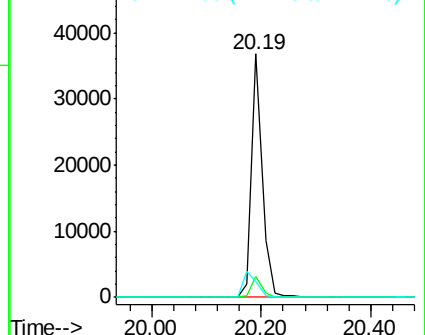
122 6.4 11.0 16.4#



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: BE092195.D

Acq: 4 Aug 2016 23:05

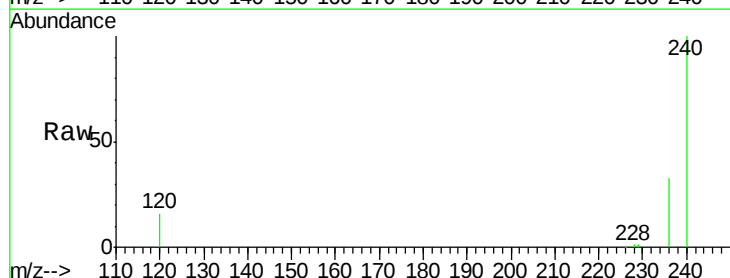
Tgt Ion:228 Resp: 2126

Ion Ratio Lower Upper

228 100

226 32.0 22.1 33.1

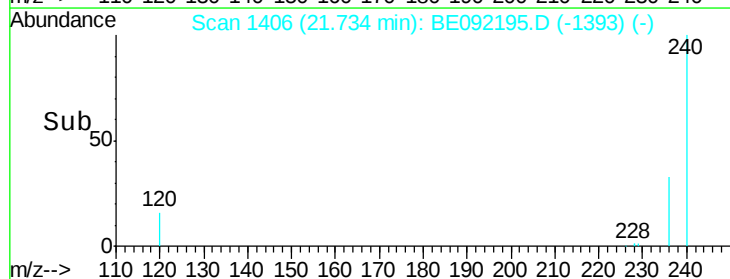
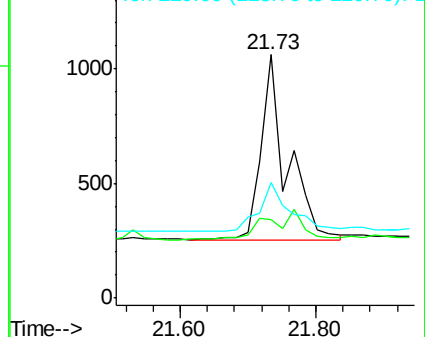
229 47.5 15.1 22.7#

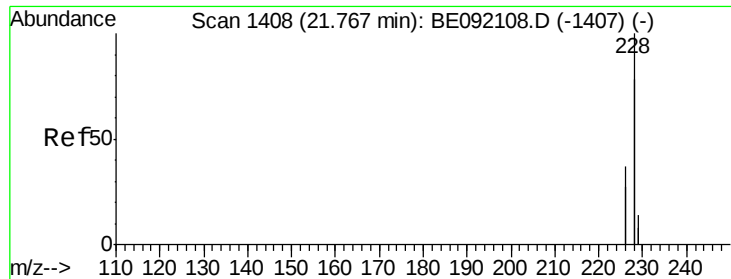


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

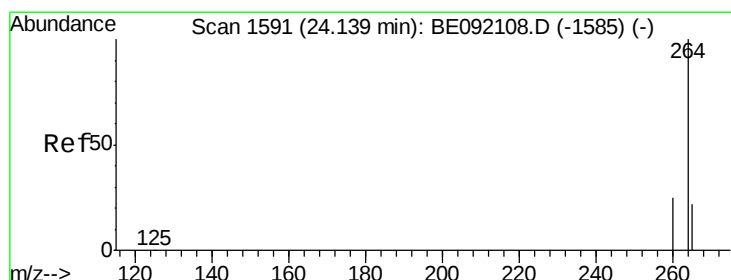
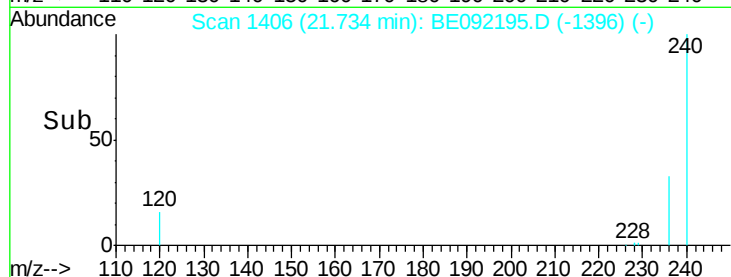
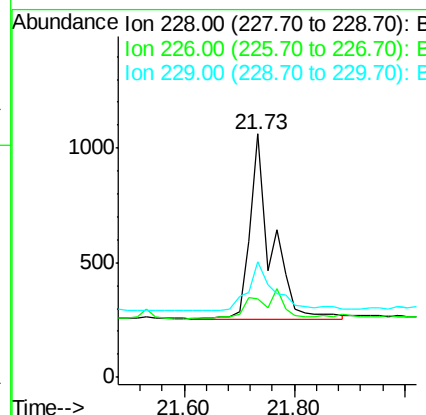
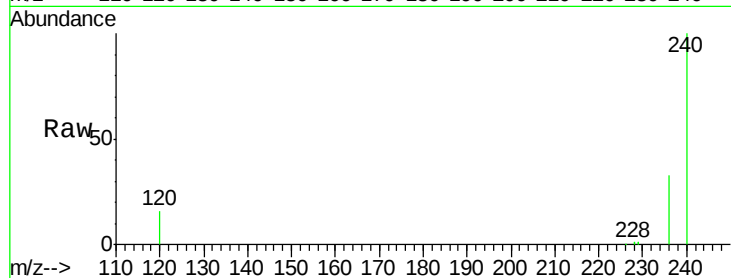




#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092195.D
Acq: 4 Aug 2016 23:05

Instrument :
BNA_E
ClientSampleId :
GW-54-16.1-20.0

Tgt Ion:228 Resp: 2189
Ion Ratio Lower Upper
228 100
226 32.0 22.3 33.5
229 47.5 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: BE092195.D
Acq: 4 Aug 2016 23:05

Tgt Ion:264 Resp: 85049
Ion Ratio Lower Upper
264 100
260 24.6 20.8 31.2
265 22.1 16.6 25.0

