

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092130.D
 Acq On : 3 Aug 2016 3:04
 Operator : UM/SJ
 Sample : H4152-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

Quant Time: Aug 03 03:55:51 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	10376	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	46640	5.00	ng	-0.01
10) Acenaphthene-d10	14.85	164	26429	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	59571	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	79220	5.00	ng	0.00
28) Perylene-d12	24.14	264	80045	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	8622	3.24	ng	0.00
5) Phenol-d6	7.34	99	7685	2.16	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12627	3.43	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	5732	6.68	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29555	3.53	ng	0.00
24) Terphenyl-d14	20.19	244	45129	3.97	ng	-0.02

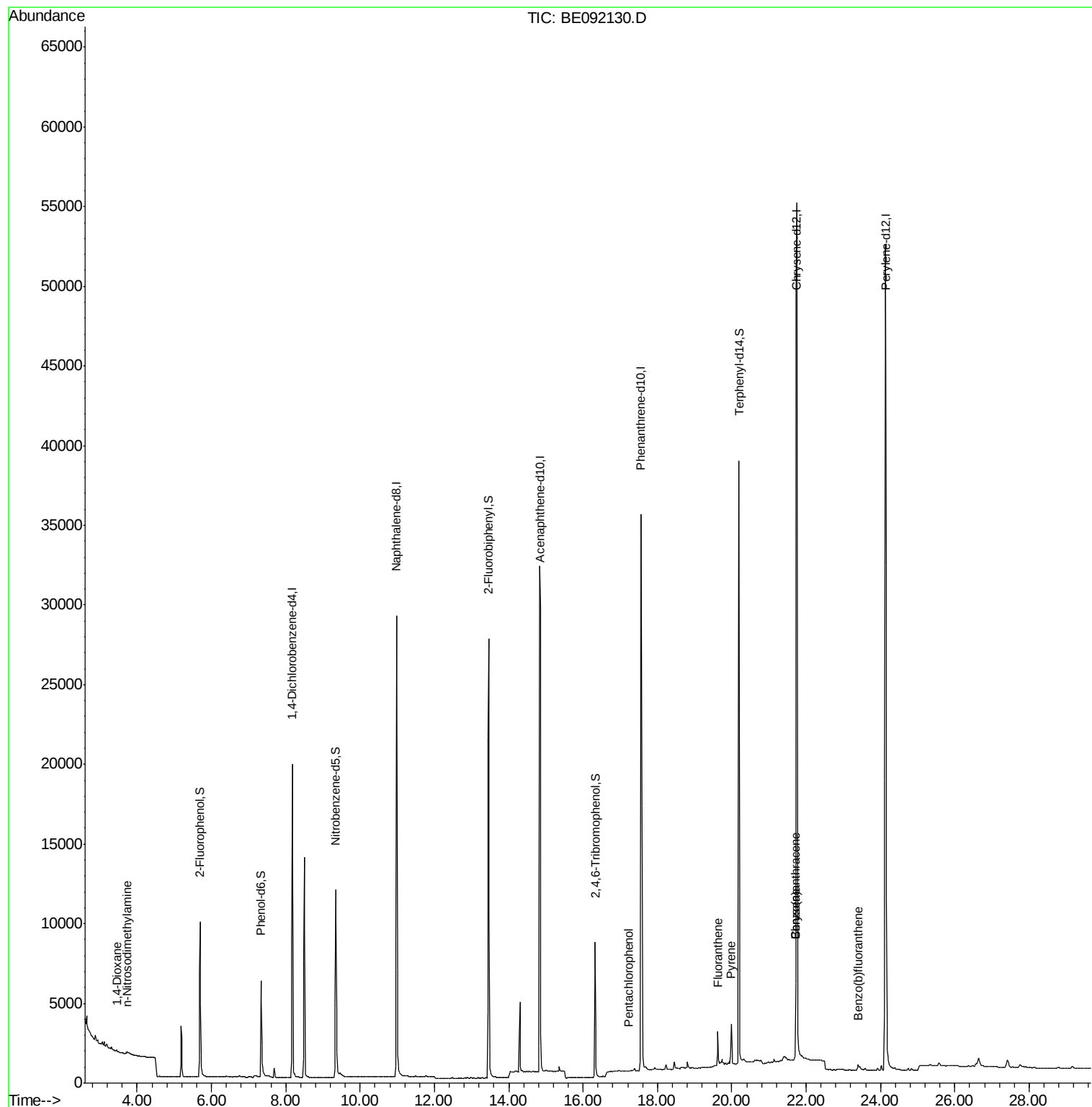
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	38	0.03	ng	# 1
3) n-Nitrosodimethylamine	3.72	42	53	0.12	ng	# 1
8) Naphthalene	11.03	128	74	Below Cal		# 1
18) Pentachlorophenol	17.24	266	11	0.20	ng	# 75
19) Phenanthrene	17.60	178	423	Below Cal		# 81
21) Fluoranthene	19.63	202	2942	0.04	ng	# 75
23) Pyrene	19.99	202	3259	0.04	ng	# 91
25) Benzo(a)anthracene	21.72	228	4318	0.05	ng	# 58
26) Chrysene	21.72	228	4288	0.05	ng	# 61
29) Benzo(b)fluoranthene	23.40	252	786	0.04	ng	# 1

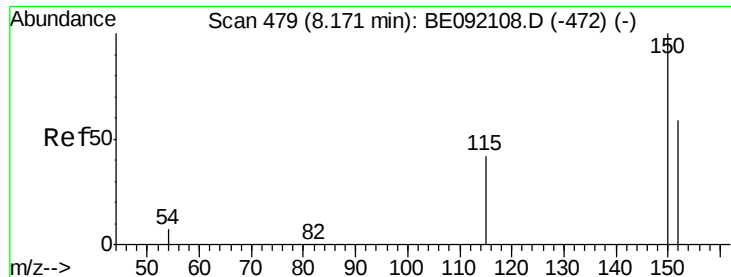
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

ClientSampleId :

GW-21-10.0-15.0

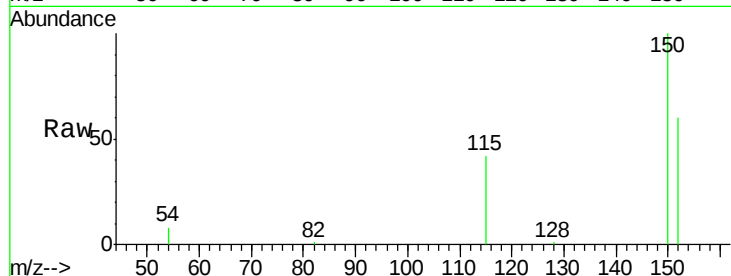
Tgt Ion:152 Resp: 10376

Ion Ratio Lower Upper

152 100

150 166.4 106.0 159.0#

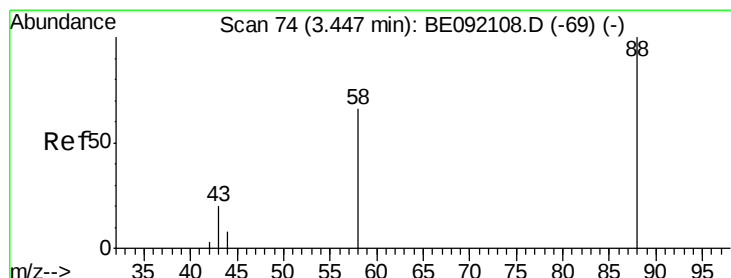
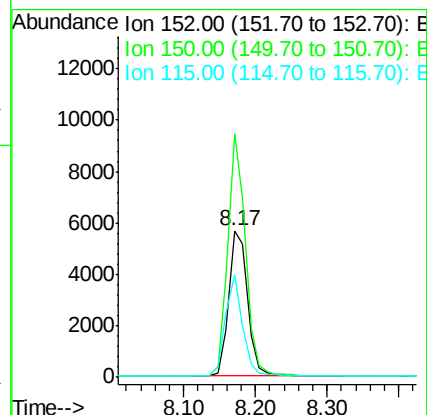
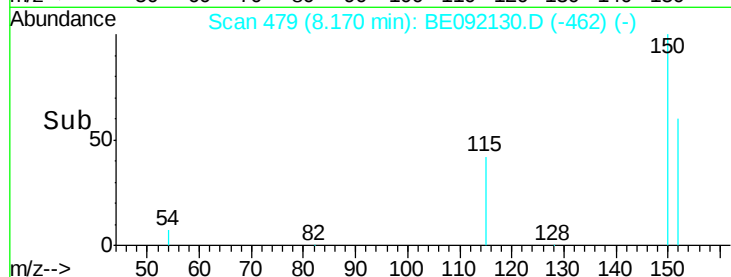
115 70.1 36.9 55.3#



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: 0.03 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

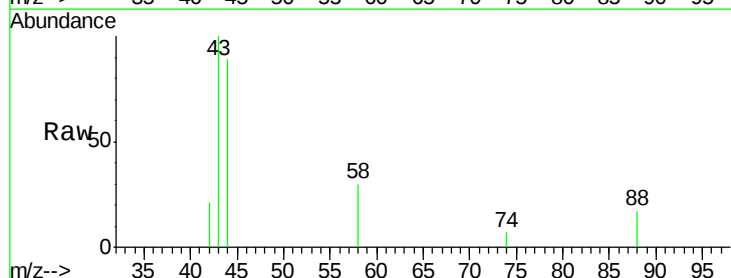
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

58 257.9 62.1 93.1#

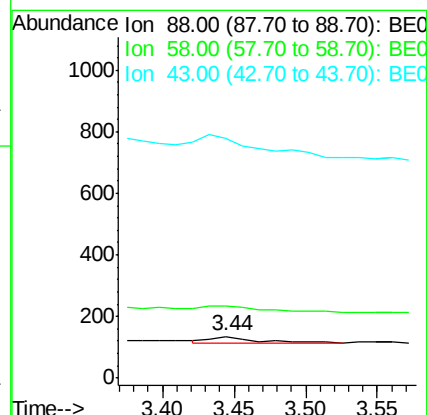
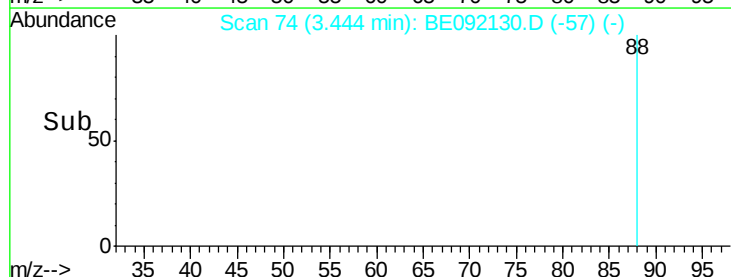
43 1065.8 27.2 40.8#

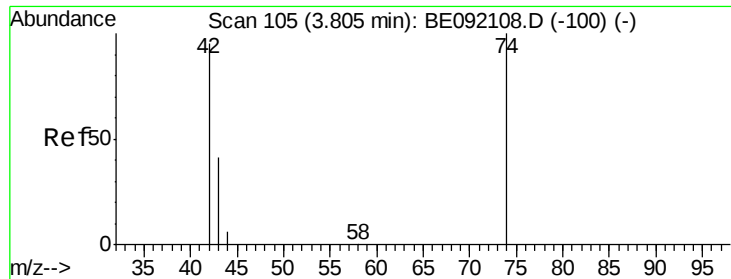


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

ClientSampleId :

GW-21-10.0-15.0

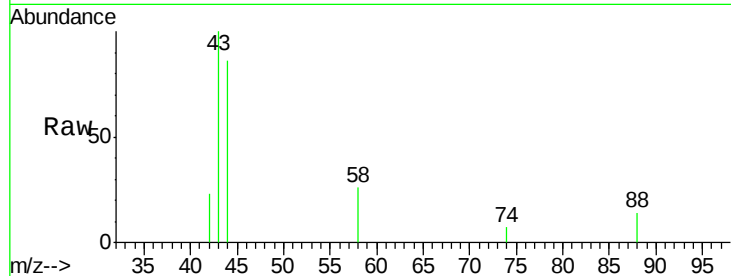
Tgt Ion: 42 Resp: 53

Ion Ratio Lower Upper

42 100

74 5.7 82.8 124.2#

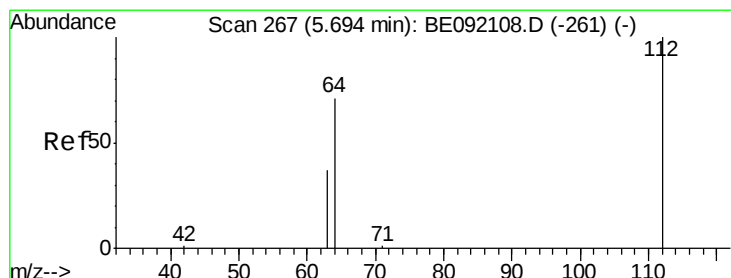
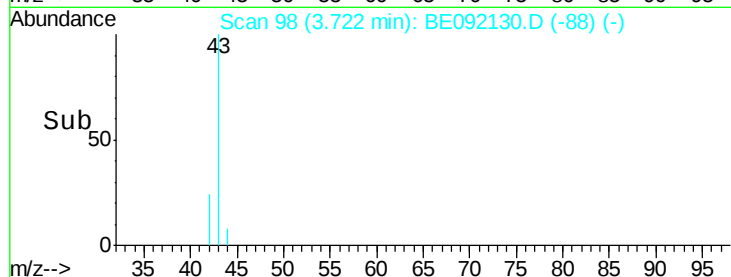
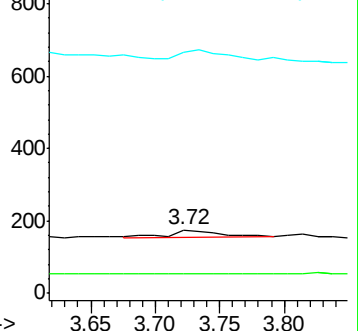
44 552.8 9.0 13.4#



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: 3.24 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

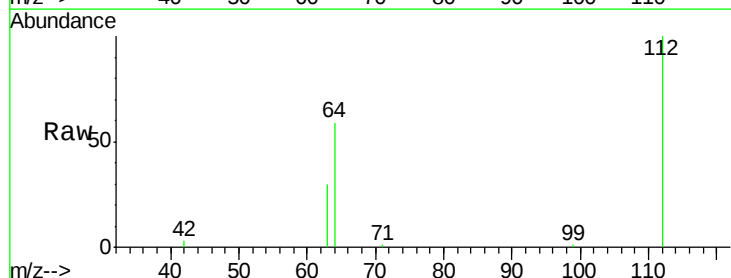
Tgt Ion: 112 Resp: 8622

Ion Ratio Lower Upper

112 100

64 66.9 55.9 83.9

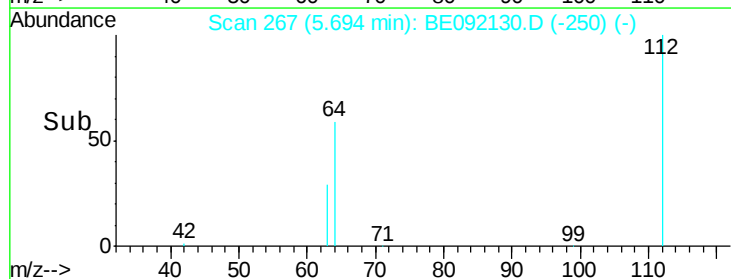
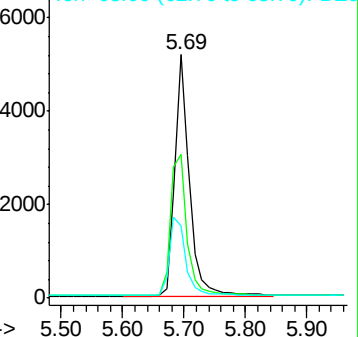
63 36.5 31.1 46.7

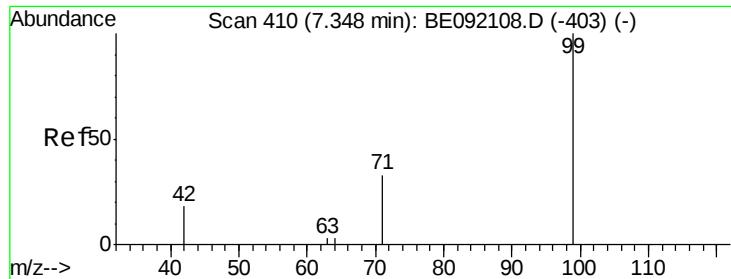


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.16 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

ClientSampleId :

GW-21-10.0-15.0

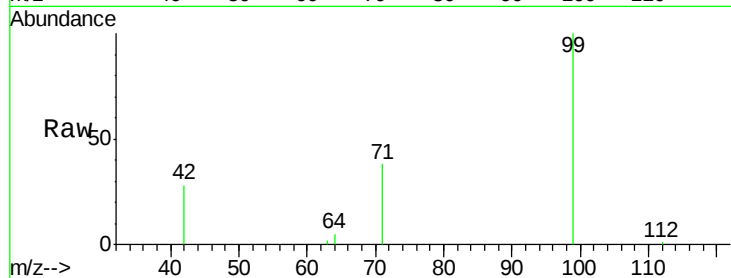
Tgt Ion: 99 Resp: 7685

Ion Ratio Lower Upper

99 100

42 24.7 22.4 33.6

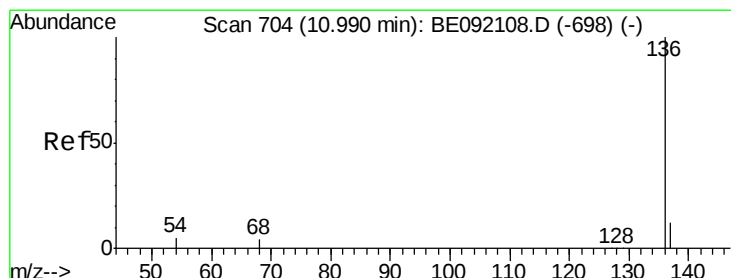
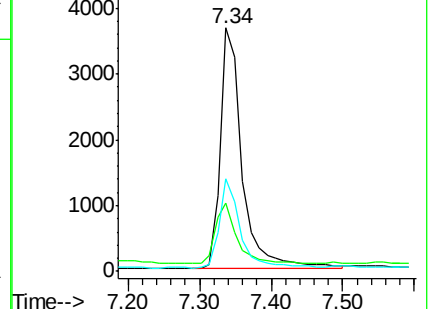
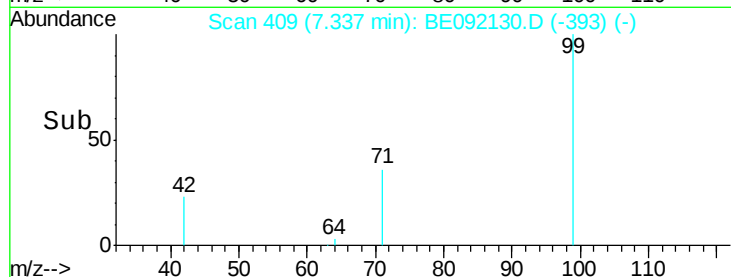
71 35.2 28.9 43.3



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: BE092130.D

Acq: 3 Aug 2016 3:04

Tgt Ion: 136 Resp: 46640

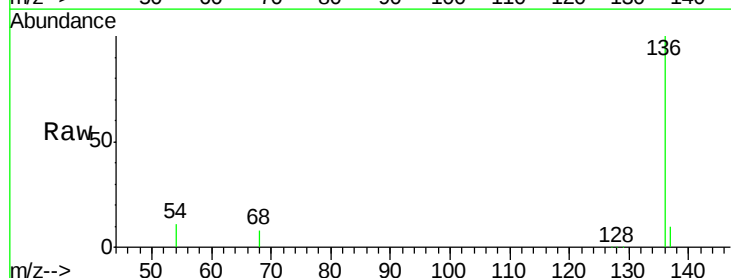
Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 11.3 2.7 4.1#

68 7.9 2.2 3.4#

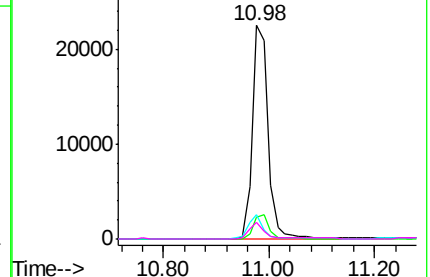
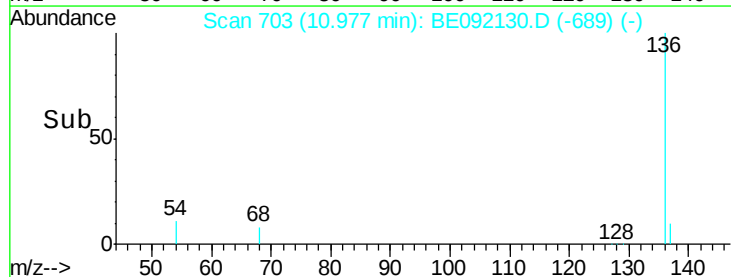


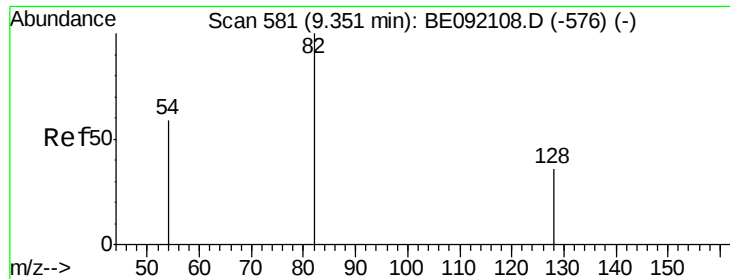
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 3.43 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

ClientSampleId :

GW-21-10.0-15.0

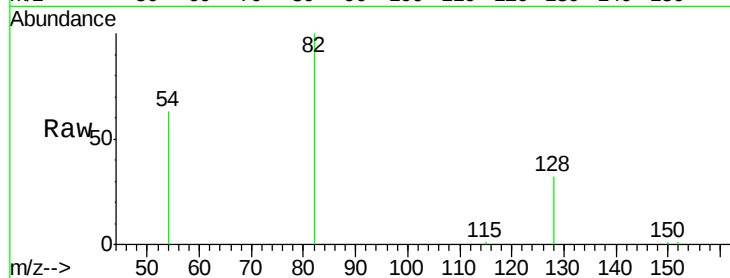
Tgt Ion: 82 Resp: 12627

Ion Ratio Lower Upper

82 100

128 32.4 33.0 49.4#

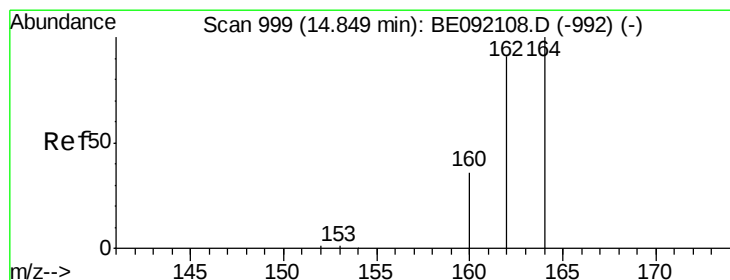
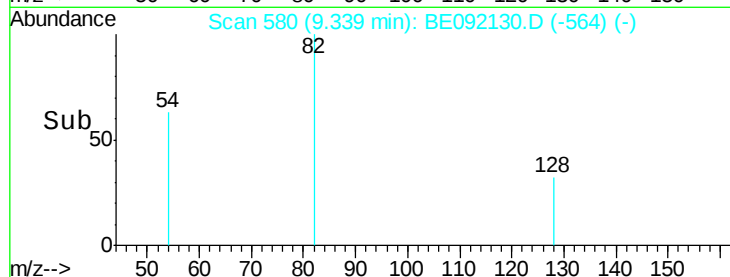
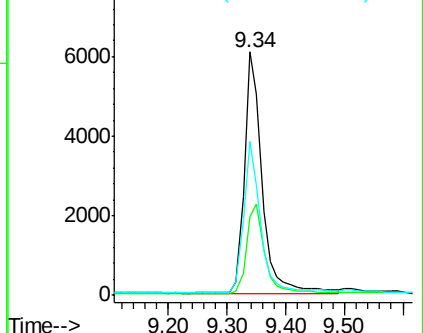
54 63.5 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.85 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

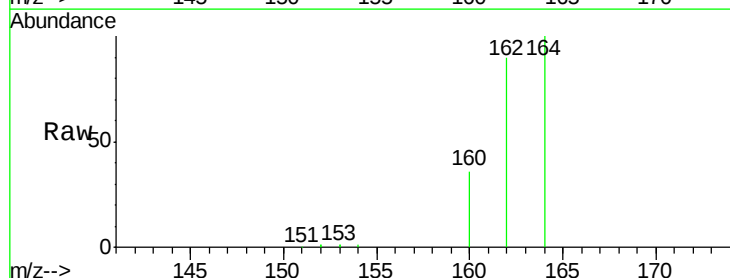
Tgt Ion: 164 Resp: 26429

Ion Ratio Lower Upper

164 100

162 90.2 69.5 104.3

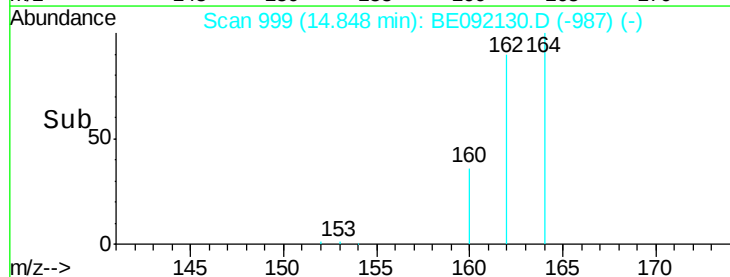
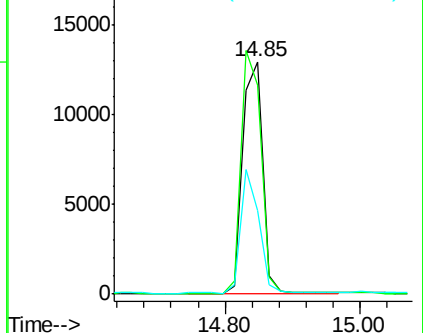
160 36.0 27.6 41.4

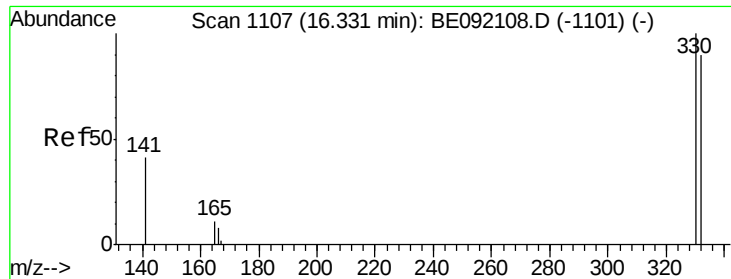


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

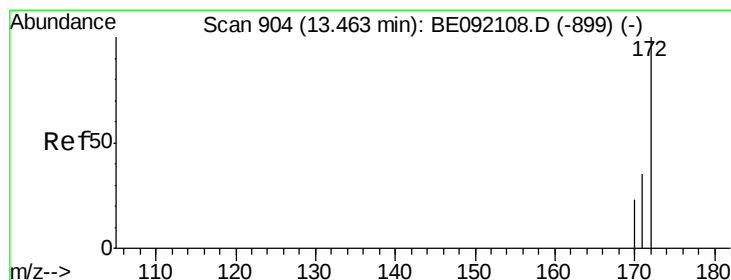
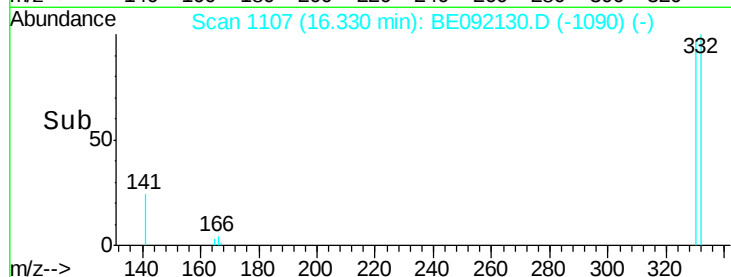
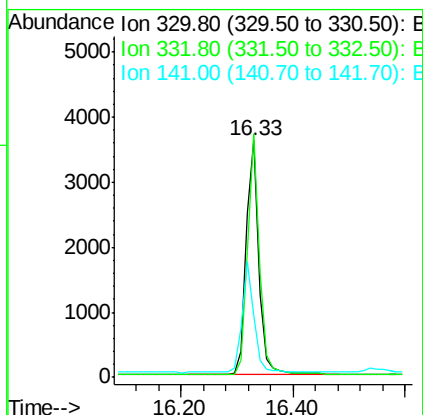
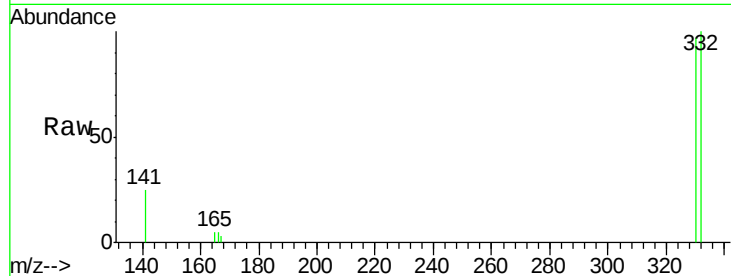




#11
 2,4,6-Tribromophenol
 Concen: 6.68 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

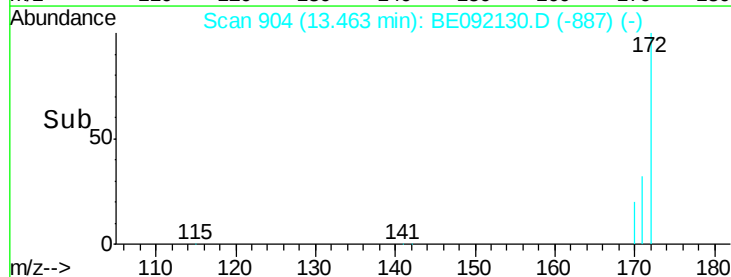
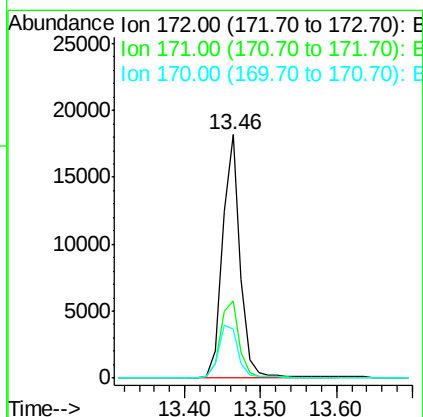
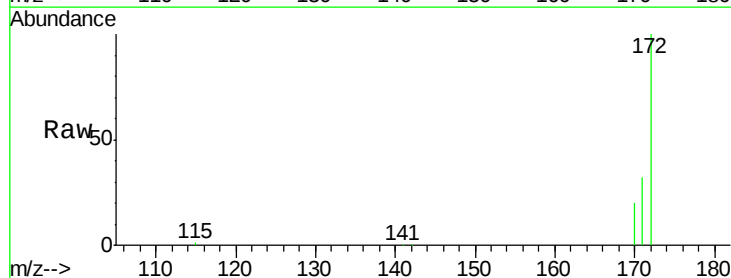
Instrument :
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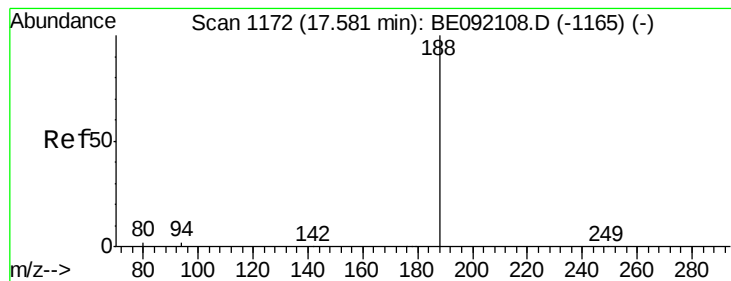
Tgt Ion:330 Resp: 5732
 Ion Ratio Lower Upper
 330 100
 332 97.1 74.2 111.4
 141 44.0 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.53 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Tgt Ion:172 Resp: 29555
 Ion Ratio Lower Upper
 172 100
 171 31.8 30.3 45.5
 170 20.1 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: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

ClientSampleId :

GW-21-10.0-15.0

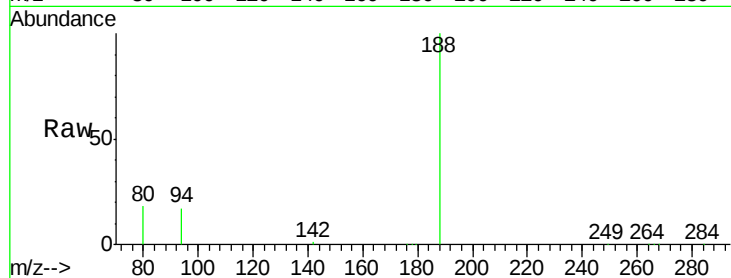
Tgt Ion:188 Resp: 59571

Ion Ratio Lower Upper

188 100

94 17.1 3.9 5.9#

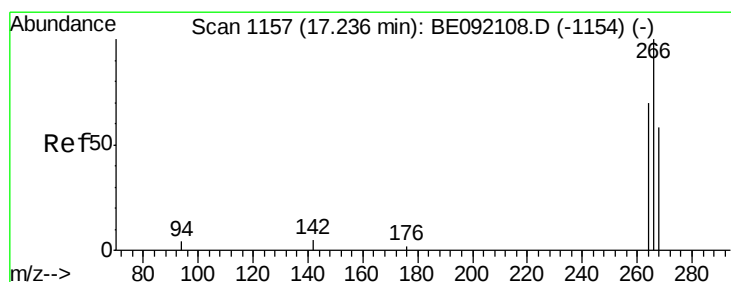
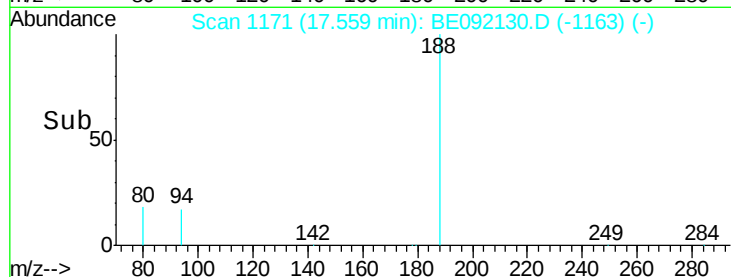
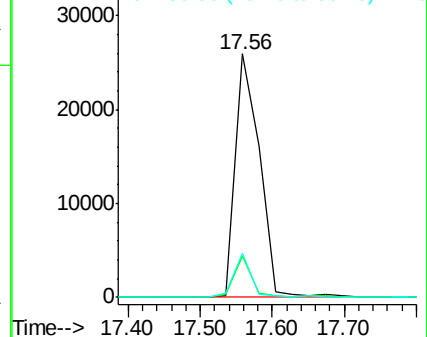
80 18.0 3.4 5.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

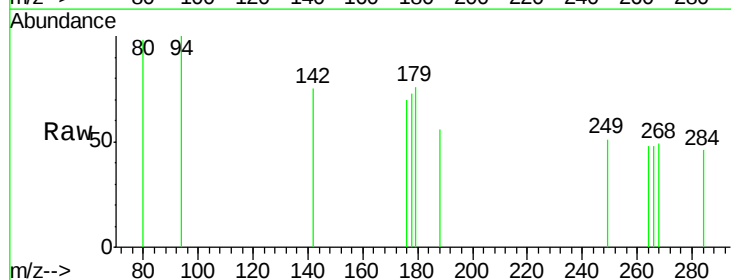
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 102.1 62.7 94.1#

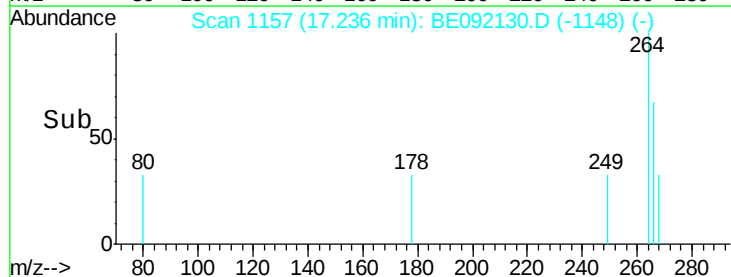
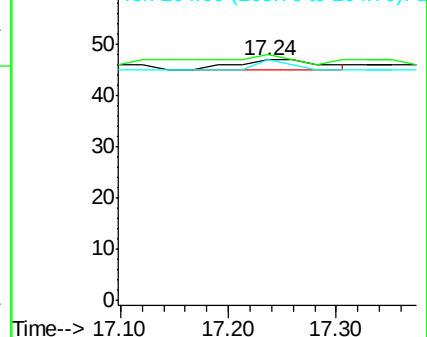
264 100.0 63.5 95.3#

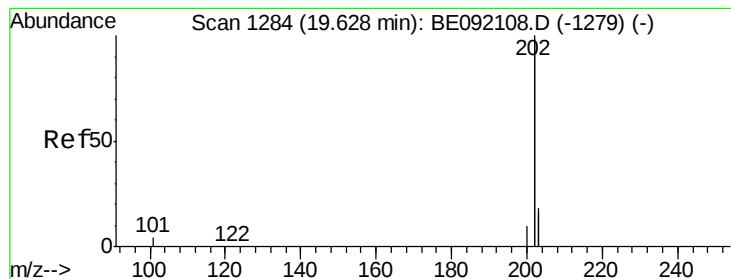


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#21

Fluoranthene

Concen: 0.04 ng

RT: 19.63 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

ClientSampleId :

GW-21-10.0-15.0

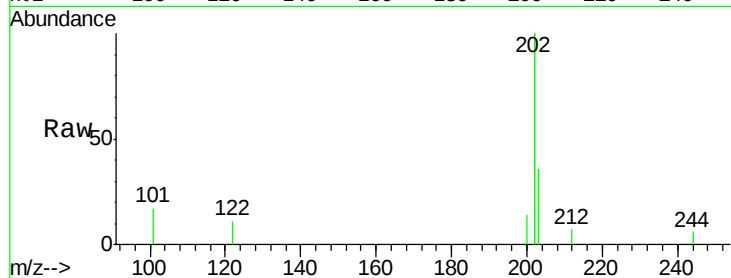
Tgt Ion:202 Resp: 2942

Ion Ratio Lower Upper

202 100

101 0.0 2.2 3.2#

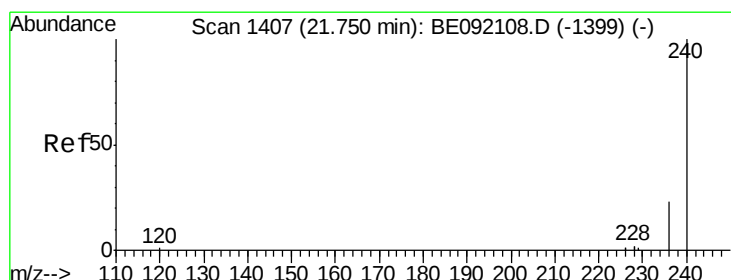
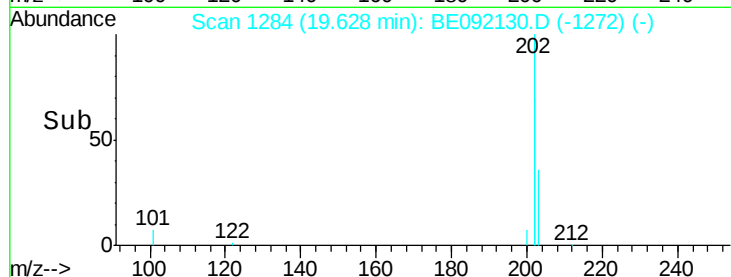
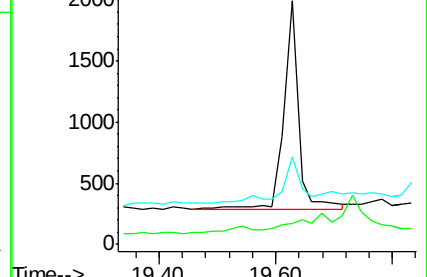
203 28.1 13.0 19.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

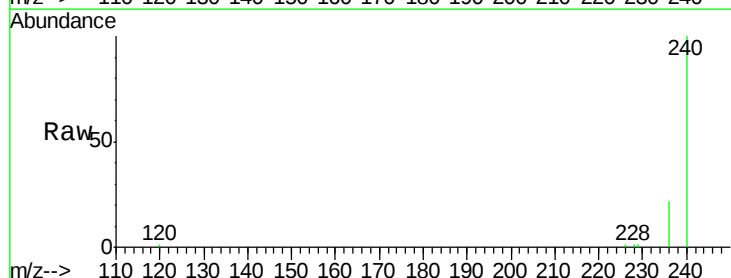
Tgt Ion:240 Resp: 79220

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

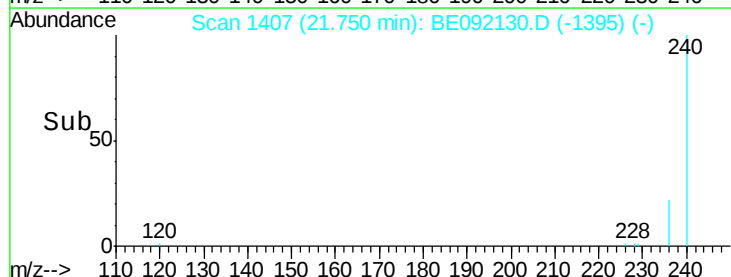
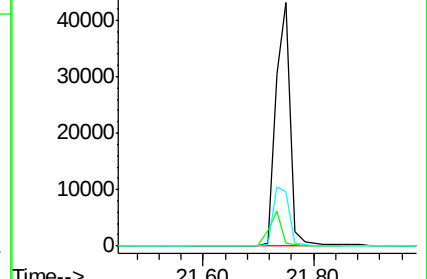
236 22.4 18.2 27.4

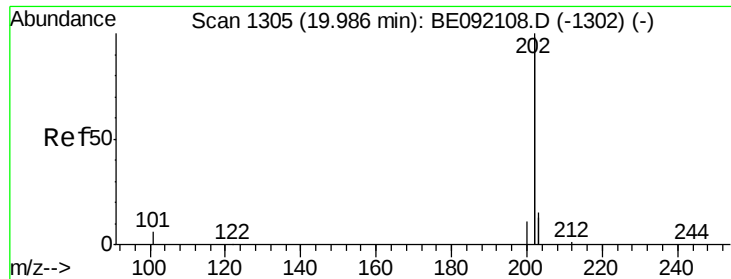


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

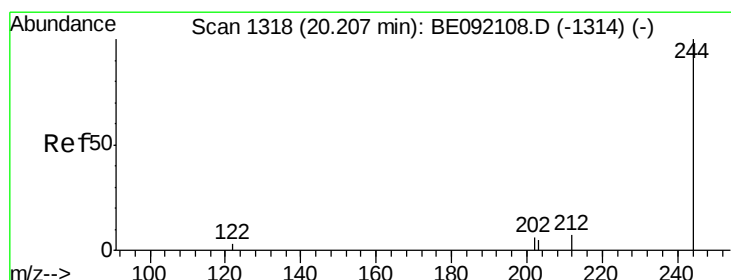
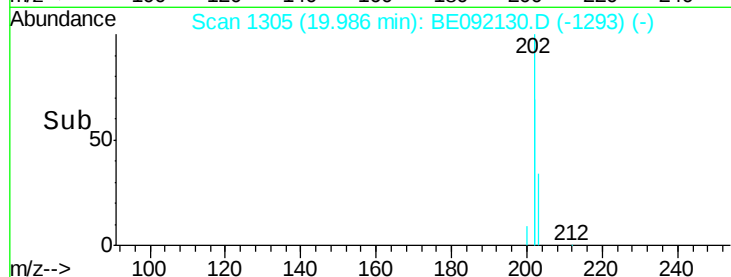
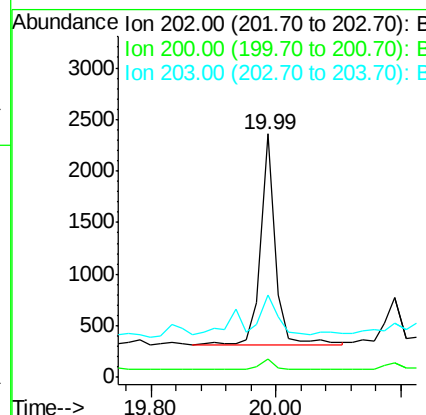
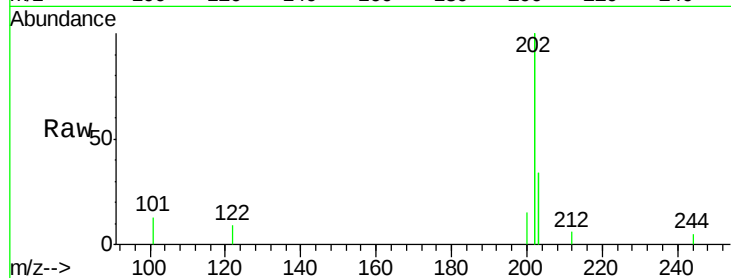




#23
 Pyrene
 Concen: 0.04 ng
 RT: 19.99 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

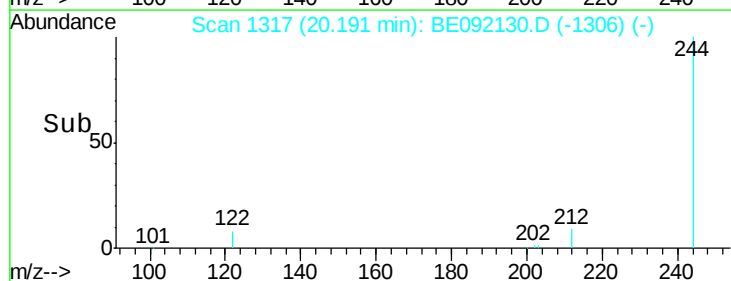
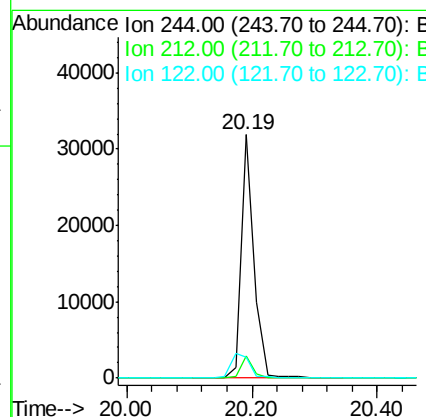
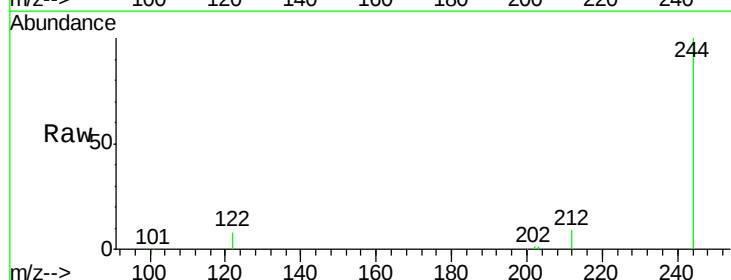
Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

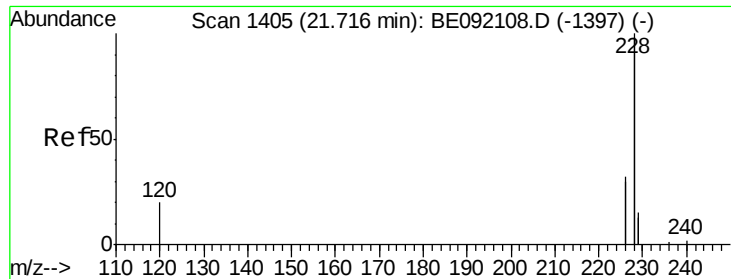
Tgt Ion: 202 Resp: 3259
 Ion Ratio Lower Upper
 202 100
 200 4.8 4.4 6.6
 203 21.7 13.4 20.0#



#24
 Terphenyl-d14
 Concen: 3.97 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Tgt Ion: 244 Resp: 45129
 Ion Ratio Lower Upper
 244 100
 212 9.1 9.1 13.7
 122 8.4 11.0 16.4#





#25

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.72 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

ClientSampleId :

GW-21-10.0-15.0

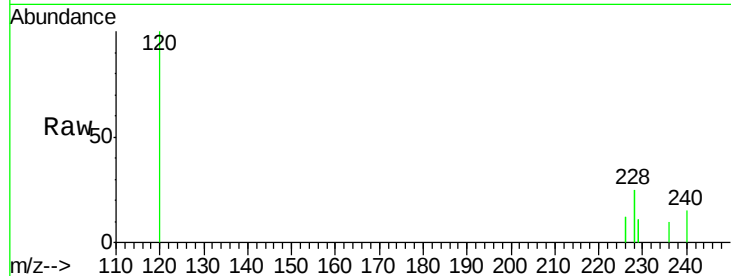
Tgt Ion:228 Resp: 4318

Ion Ratio Lower Upper

228 100

226 45.5 22.1 33.1#

229 43.1 15.1 22.7#

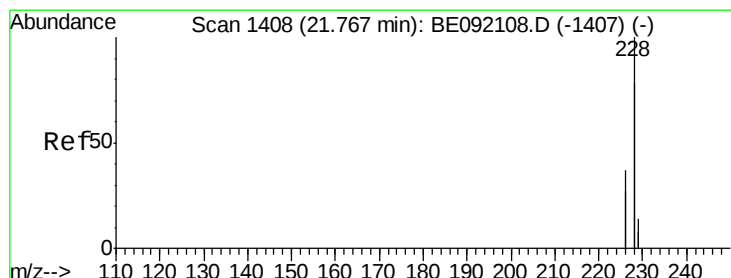
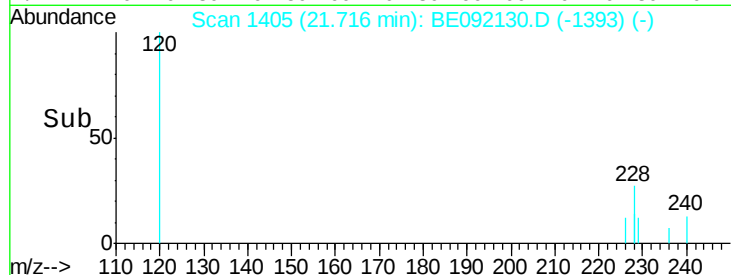
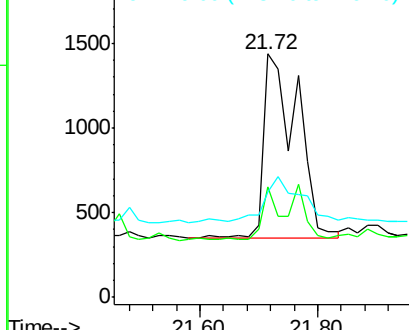


Abundance

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: 0.05 ng

RT: 21.72 min Scan# 1405

Delta R.T. -0.05 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

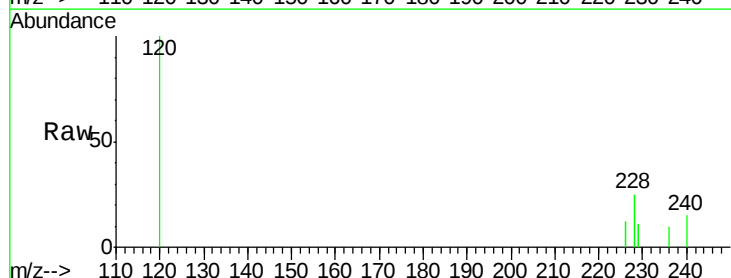
Tgt Ion:228 Resp: 4288

Ion Ratio Lower Upper

228 100

226 45.5 22.3 33.5#

229 43.1 16.9 25.3#

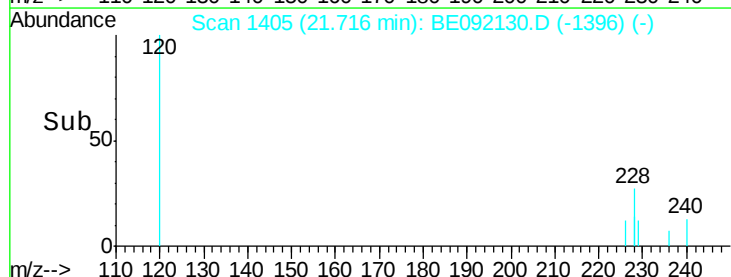
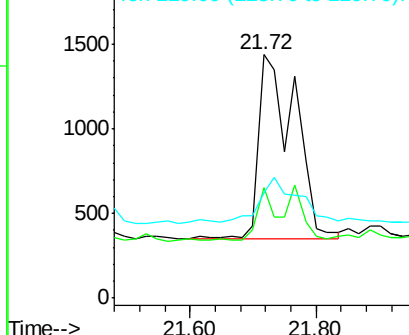


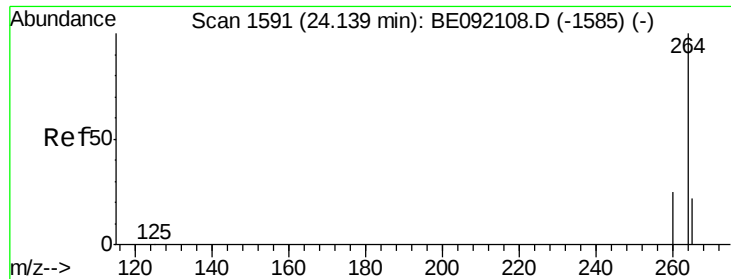
Abundance

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

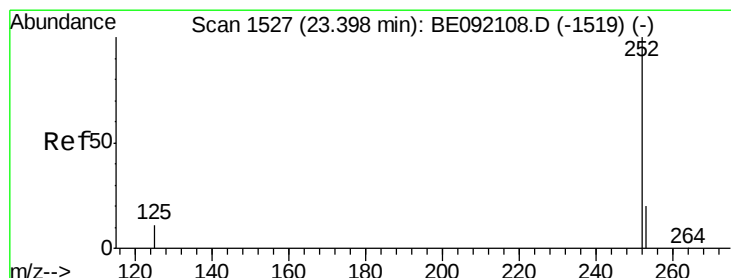
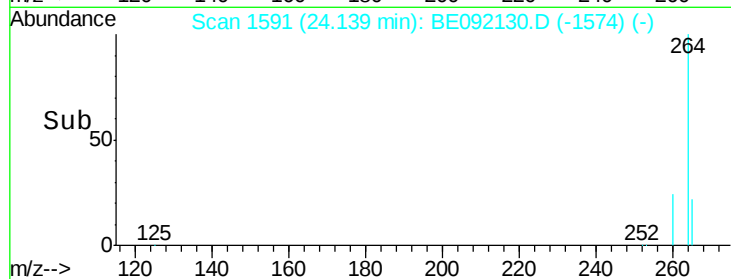
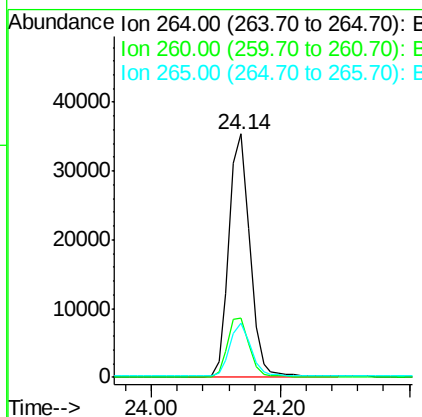
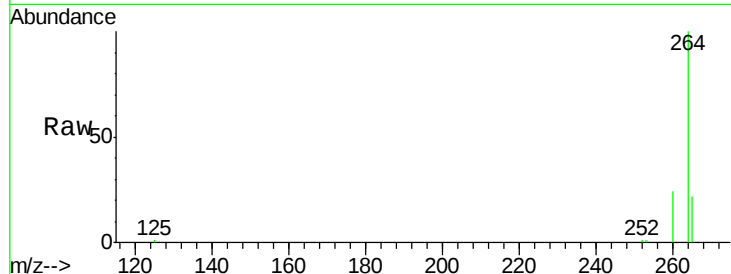




#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.14 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

Tgt Ion: 264 Resp: 80045
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.8 31.2
 265 22.4 16.6 25.0



#29
 Benzo(b)fluoranthene
 Concen: 0.04 ng
 RT: 23.40 min Scan# 1527
 Delta R.T. 0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Tgt Ion: 252 Resp: 786
 Ion Ratio Lower Upper
 252 100
 253 67.2 17.4 26.0#
 125 80.6 10.2 15.2#

