

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092135.D
 Acq On : 3 Aug 2016 6:12
 Operator : UM/SJ
 Sample : H4205-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-39-7.0-13.0

Quant Time: Aug 03 07:15:18 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	12327	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	53290	5.00	ng	0.00
10) Acenaphthene-d10	14.83	164	27087	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58264	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	68019	5.00	ng	0.00
28) Perylene-d12	24.14	264	71932	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	31193	9.85	ng	0.00
5) Phenol-d6	7.34	99	26786	6.35	ng	-0.01
7) Nitrobenzene-d5	9.34	82	33004	7.85	ng	-0.01
11) 2,4,6-Tribromophenol	16.32	330	16700	18.99	ng	-0.01
12) 2-Fluorobiphenyl	13.46	172	69771	8.13	ng	0.00
24) Terphenyl-d14	20.19	244	88235	9.03	ng	-0.02

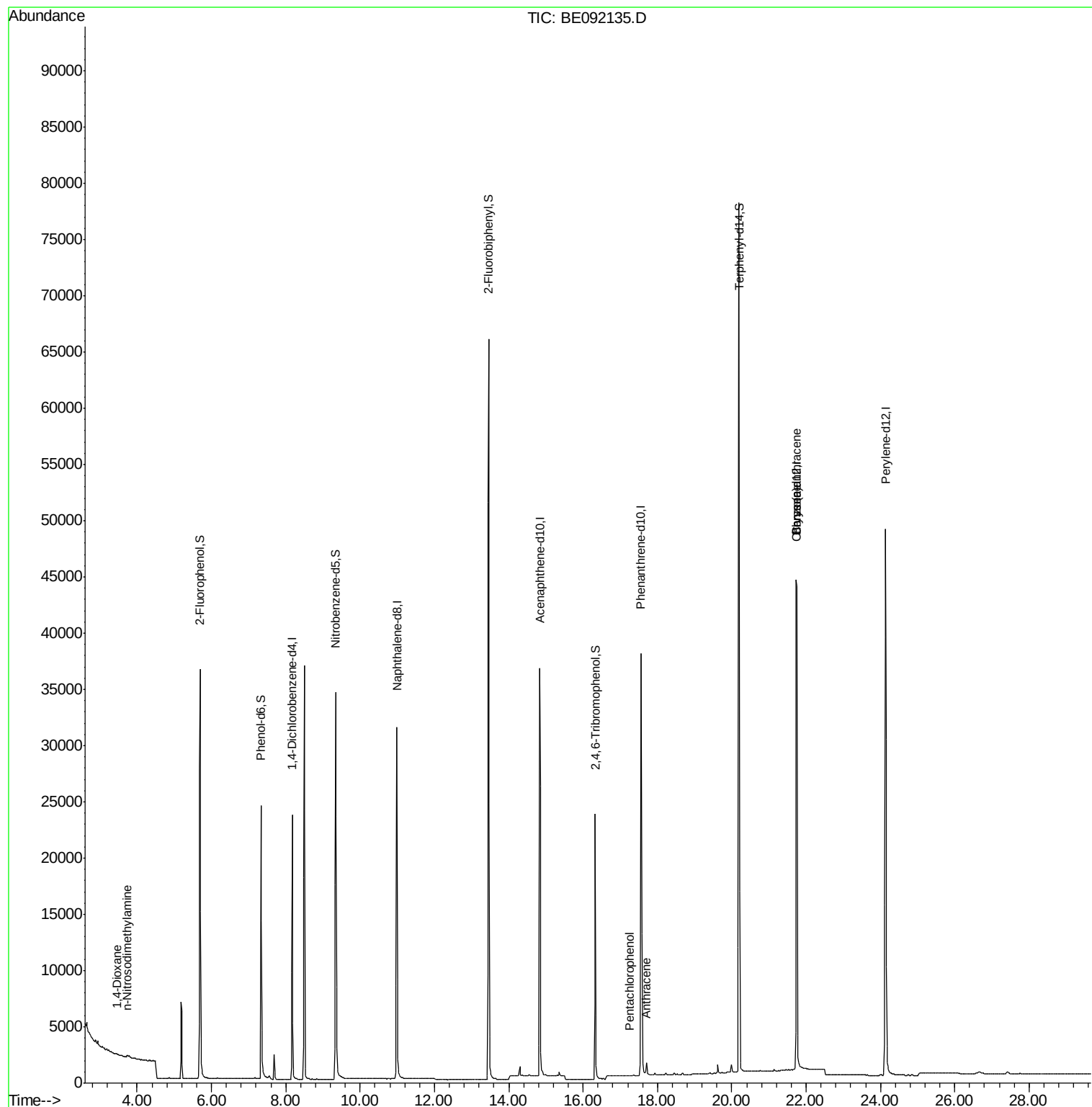
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	58	0.03	ng	# 1
3) n-Nitrosodimethylamine	3.73	42	95	0.13	ng	# 1
18) Pentachlorophenol	17.24	266	10	0.20	ng	# 76
19) Phenanthrene	17.61	178	540	Below Cal		# 88
20) Anthracene	17.70	178	1518	0.10	ng	99
25) Benzo(a)anthracene	21.73	228	1525	0.02	ng	# 56
26) Chrysene	21.73	228	1594	0.02	ng	# 58
30) Benzo(k)fluoranthene	23.46	252	57	Below Cal		# 1

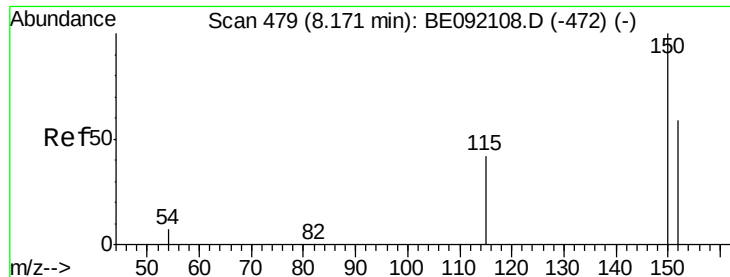
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
Data File : BE092135.D
Acq On : 3 Aug 2016 6:12
Operator : UM/SJ
Sample : H4205-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-39-7.0-13.0

Quant Time: Aug 03 07:15:18 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

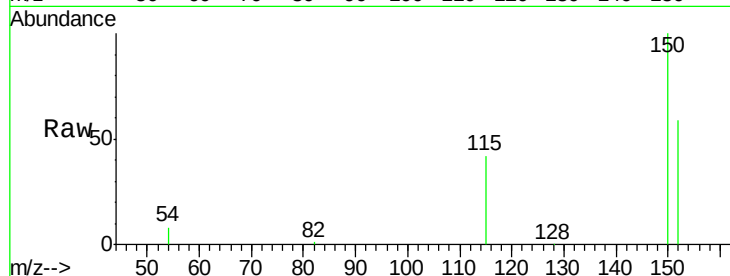
Tgt Ion:152 Resp: 12327

Ion Ratio Lower Upper

152 100

150 168.9 106.0 159.0#

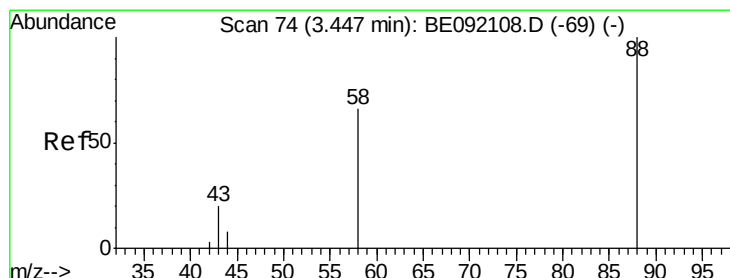
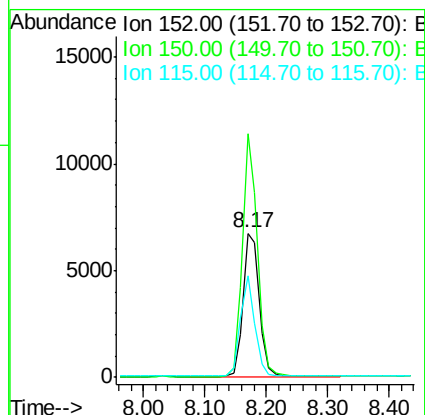
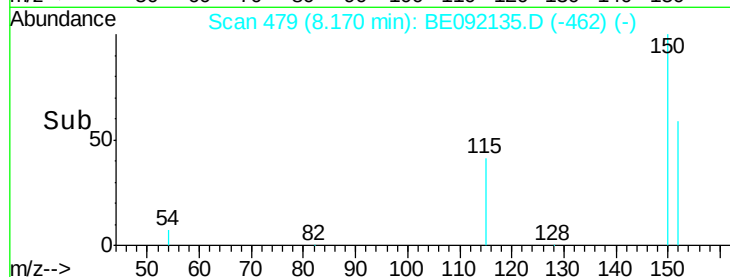
115 70.5 36.9 55.3#



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: BE092135.D

Acq: 3 Aug 2016 6:12

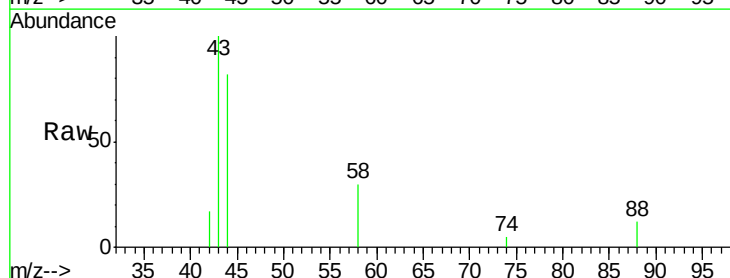
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

58 241.4 62.1 93.1#

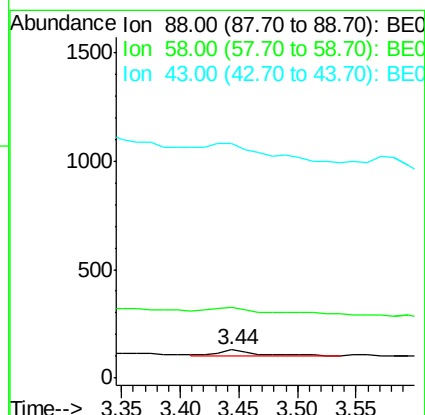
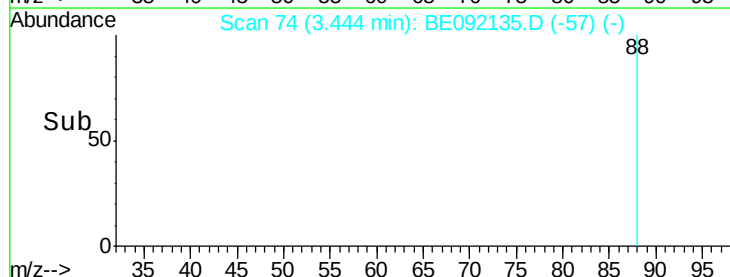
43 0.0 27.2 40.8#

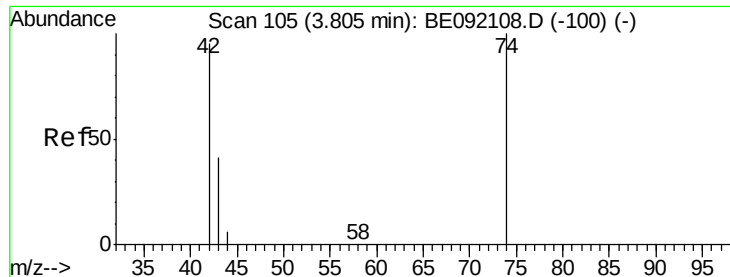


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.07 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

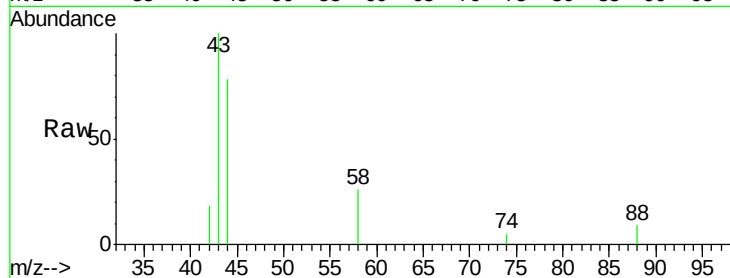
Tgt Ion: 42 Resp: 95

Ion Ratio Lower Upper

42 100

74 1.1 82.8 124.2#

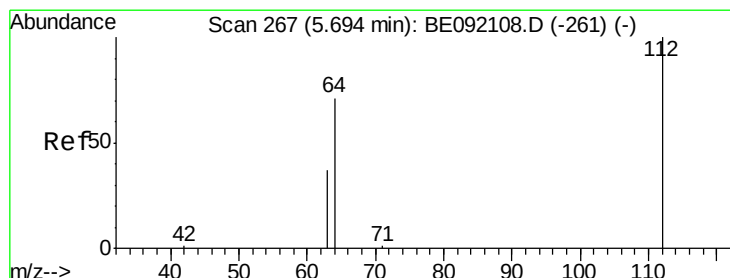
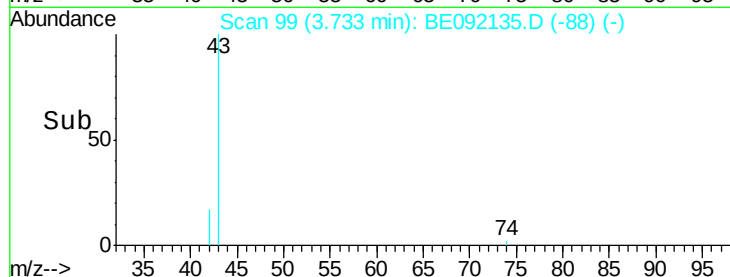
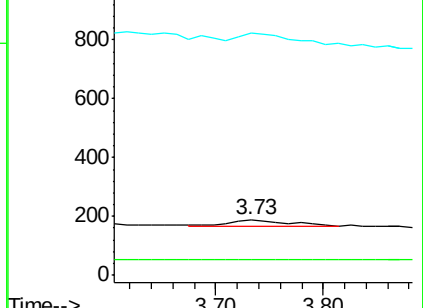
44 306.3 9.0 13.4#



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



#4

2-Fluorophenol

Concen: 9.85 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

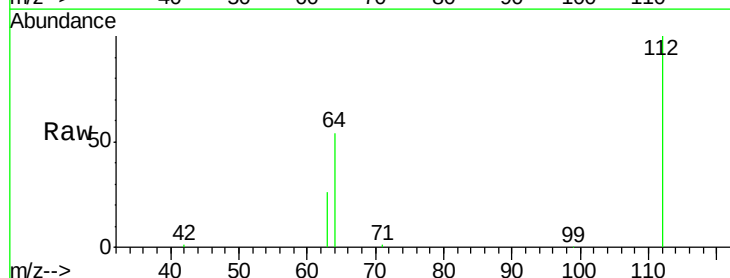
Tgt Ion: 112 Resp: 31193

Ion Ratio Lower Upper

112 100

64 66.4 55.9 83.9

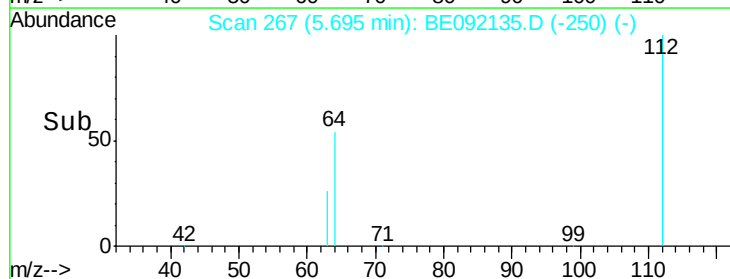
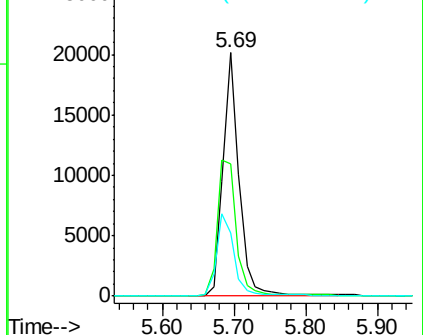
63 36.2 31.1 46.7

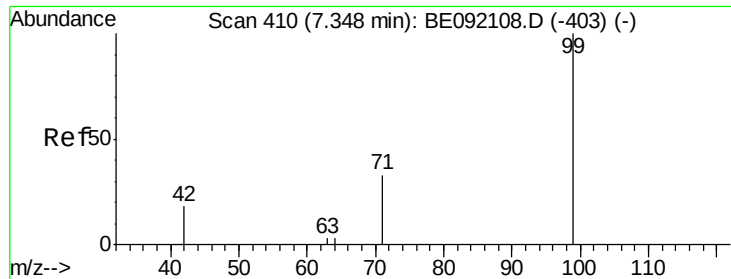


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.35 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

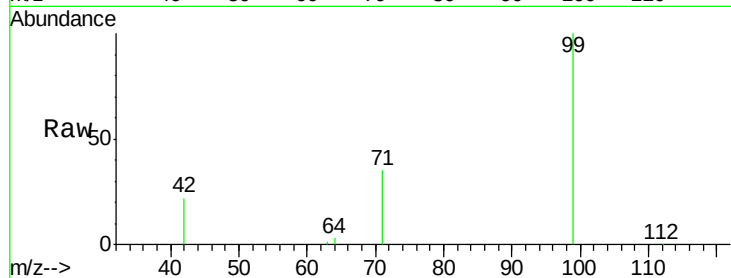
Tgt Ion: 99 Resp: 26786

Ion Ratio Lower Upper

99 100

42 24.8 22.4 33.6

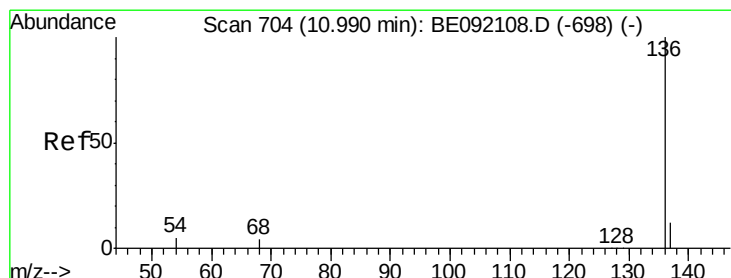
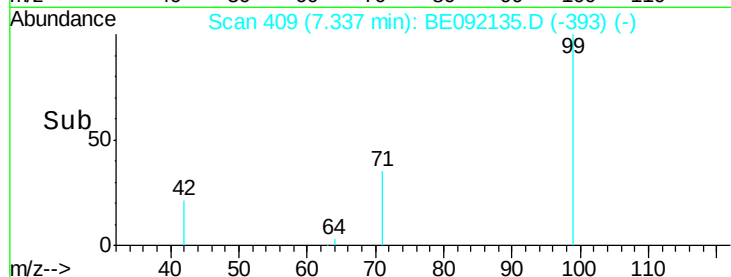
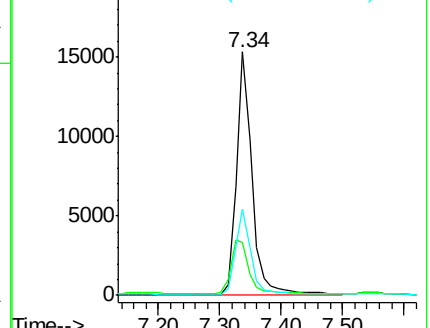
71 35.2 28.9 43.3



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: BE092135.D

Acq: 3 Aug 2016 6:12

Tgt Ion: 136 Resp: 53290

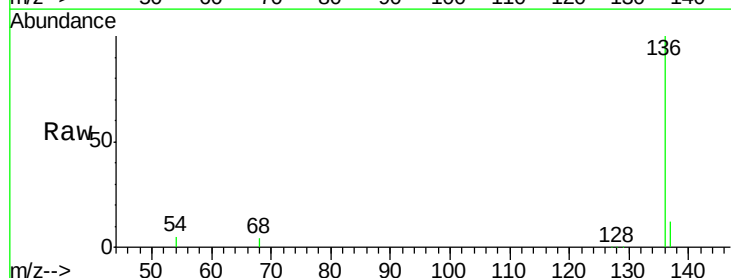
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 4.9 2.7 4.1#

68 3.9 2.2 3.4#

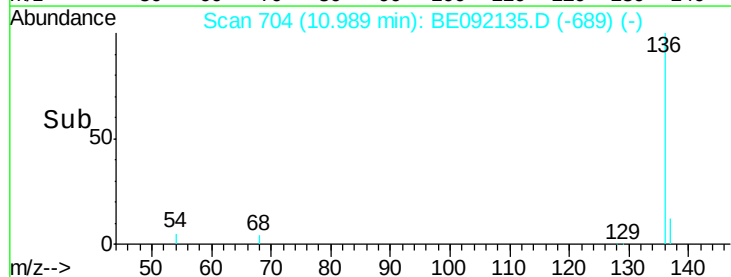
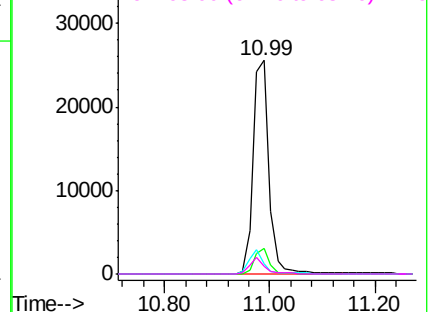


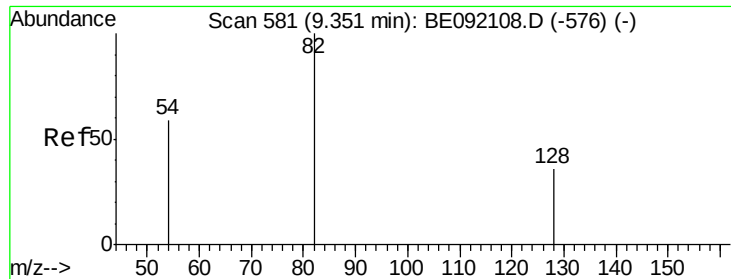
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.85 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

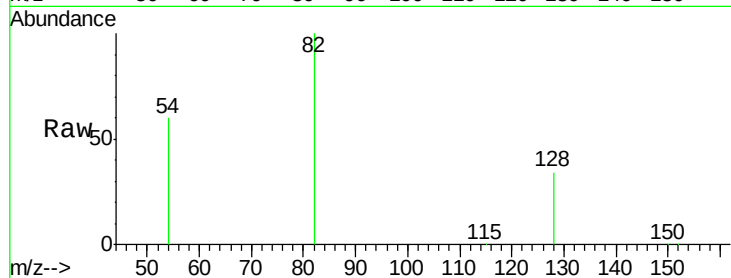
Tgt Ion: 82 Resp: 33004

Ion Ratio Lower Upper

82 100

128 34.4 33.0 49.4

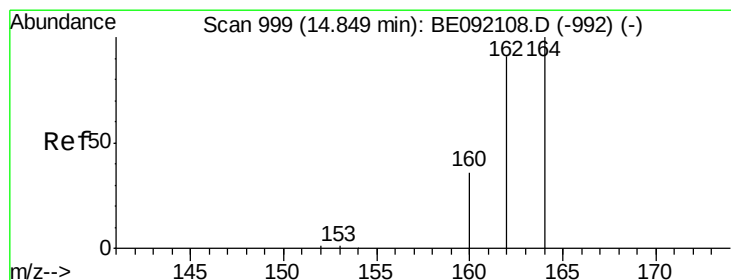
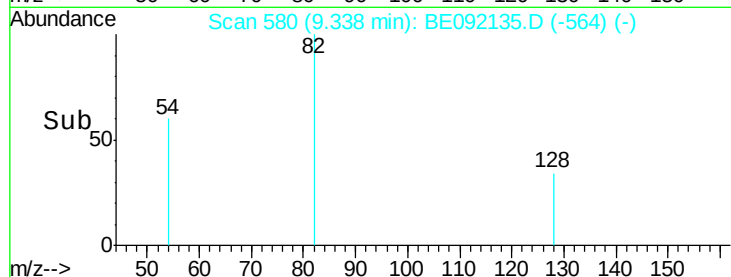
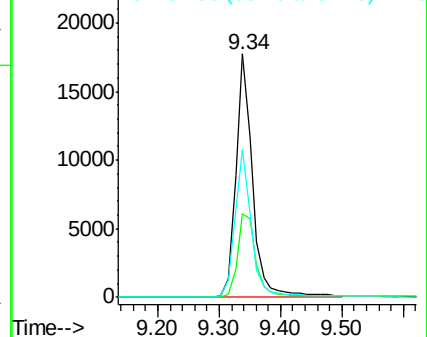
54 60.4 42.6 63.8



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: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

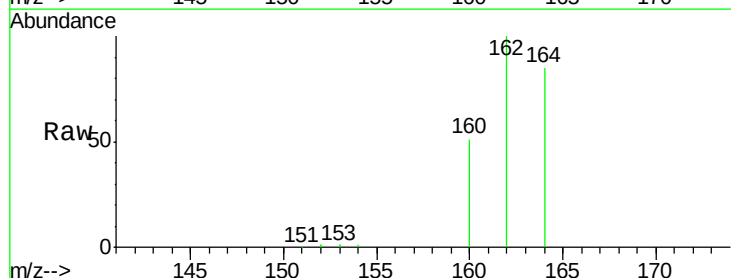
Tgt Ion: 164 Resp: 27087

Ion Ratio Lower Upper

164 100

162 118.0 69.5 104.3#

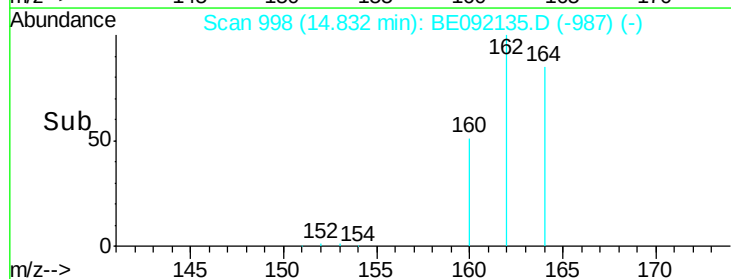
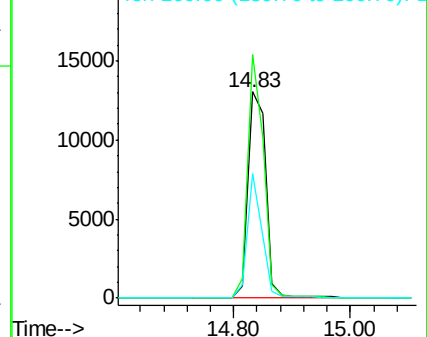
160 60.2 27.6 41.4#

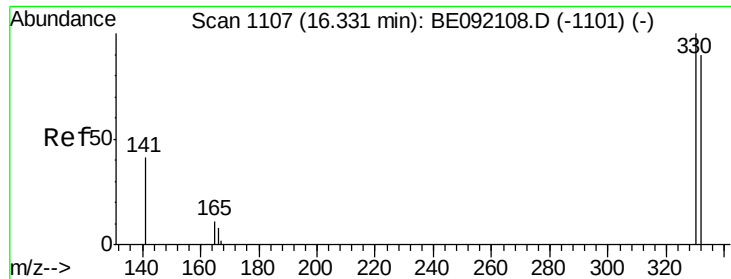


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

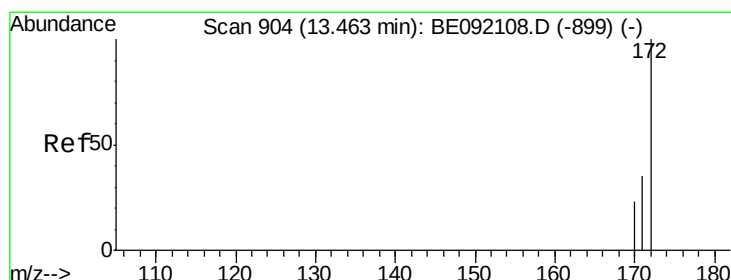
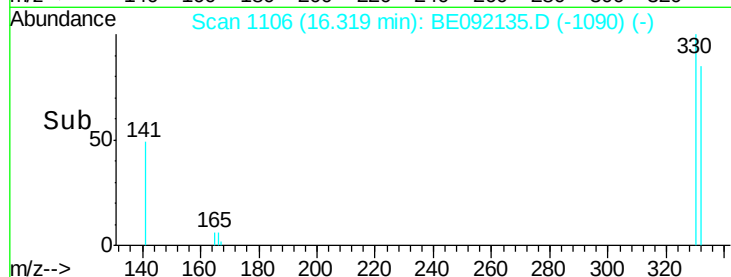
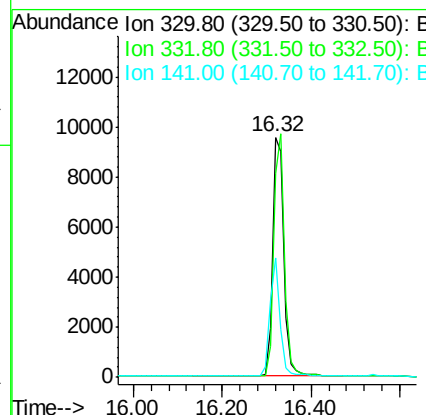
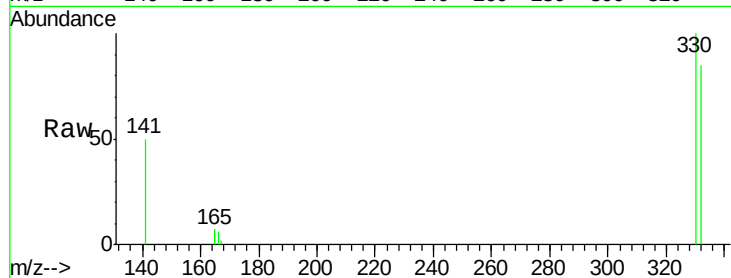




#11
 2,4,6-Tribromophenol
 Concen: 18.99 ng
 RT: 16.32 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: BE092135.D
 Acq: 3 Aug 2016 6:12

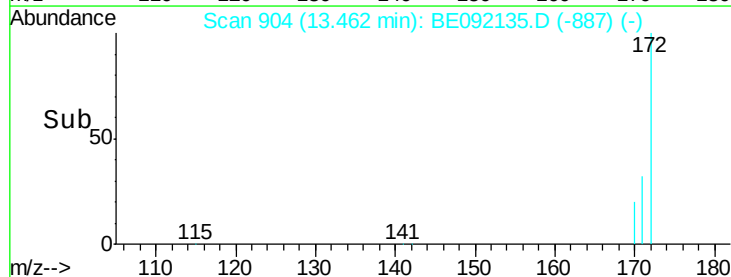
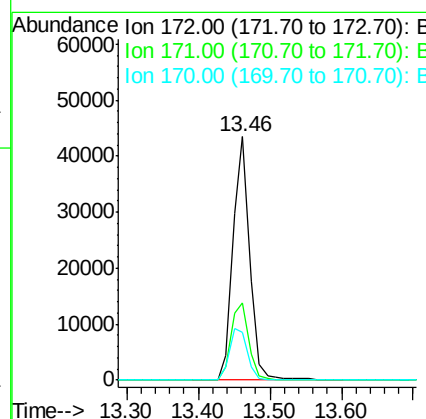
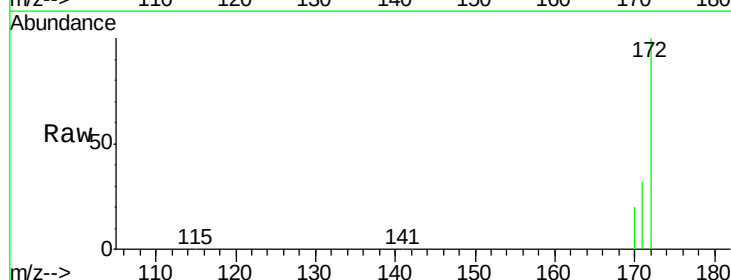
Instrument :
 BNA_E
 ClientSampleId :
 GW-39-7.0-13.0

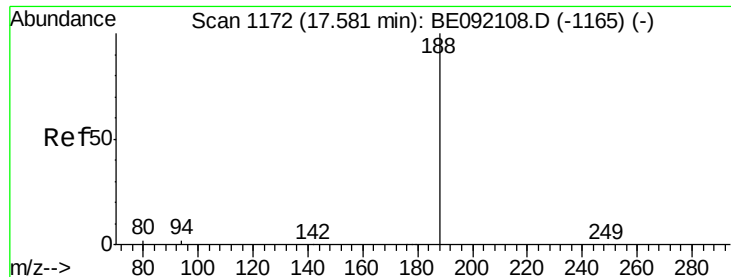
Tgt Ion: 330 Resp: 16700
 Ion Ratio Lower Upper
 330 100
 332 97.1 74.2 111.4
 141 44.0 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 8.13 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092135.D
 Acq: 3 Aug 2016 6:12

Tgt Ion: 172 Resp: 69771
 Ion Ratio Lower Upper
 172 100
 171 31.8 30.3 45.5
 170 19.6 21.6 32.4#

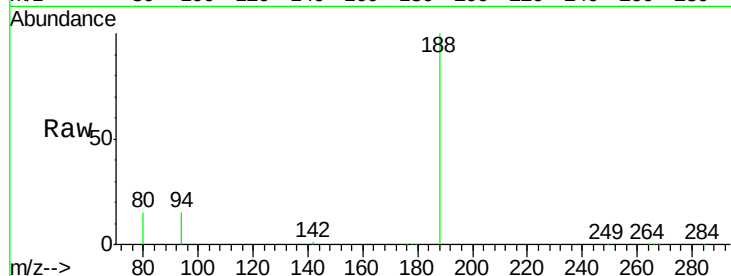




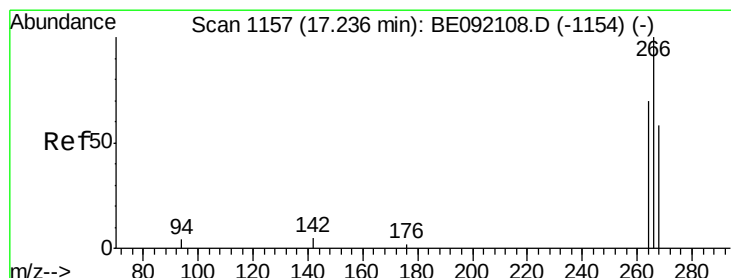
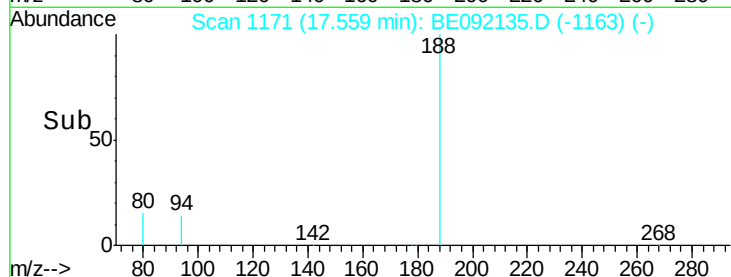
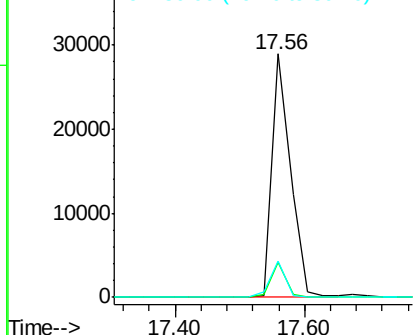
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092135.D
Acq: 3 Aug 2016 6:12

Instrument :
BNA_E
ClientSampleId :
GW-39-7.0-13.0

Tgt Ion:188 Resp: 58264
Ion Ratio Lower Upper
188 100
94 14.6 3.9 5.9#
80 15.1 3.4 5.0#

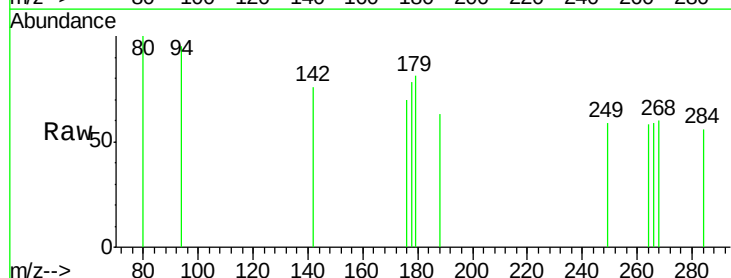


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

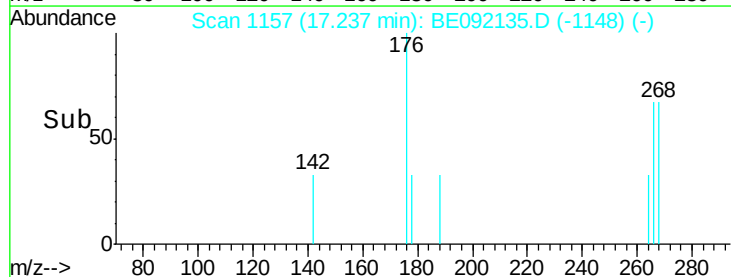
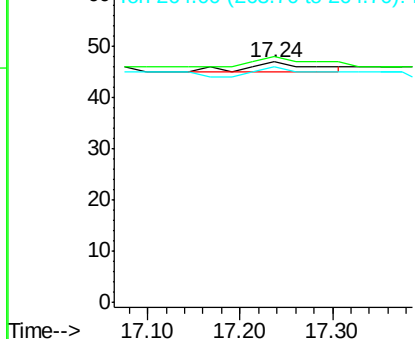


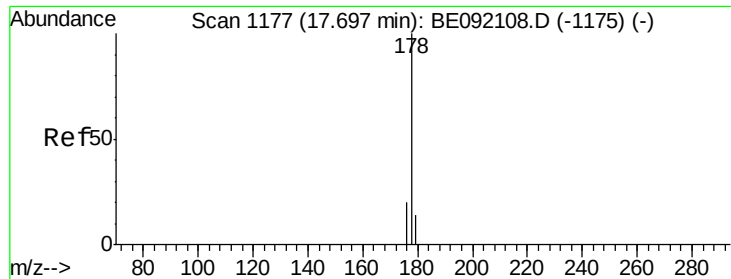
#18
Pentachlorophenol
Concen: 0.20 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092135.D
Acq: 3 Aug 2016 6:12

Tgt Ion:266 Resp: 10
Ion Ratio Lower Upper
266 100
268 102.1 62.7 94.1#
264 97.9 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





#20

Anthracene

Concen: 0.10 ng

RT: 17.70 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

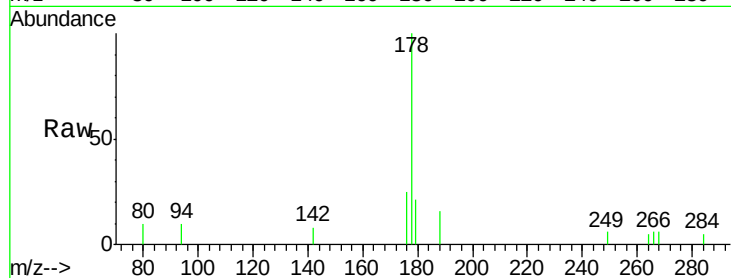
Tgt Ion:178 Resp: 1518

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

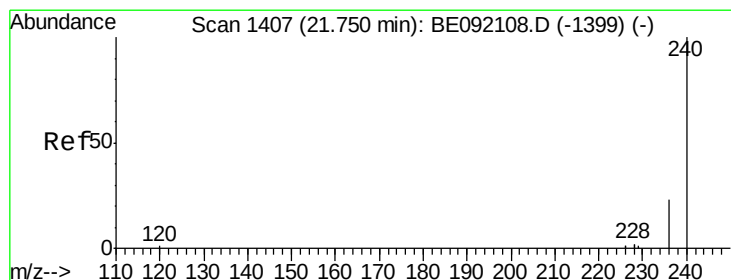
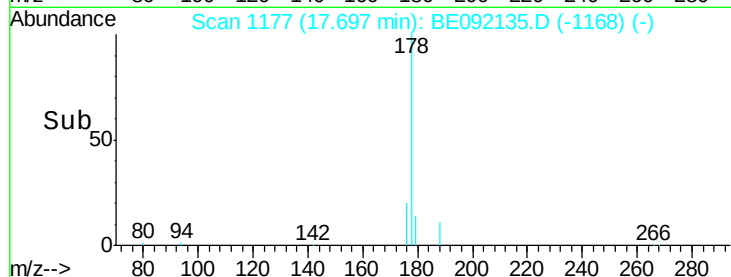
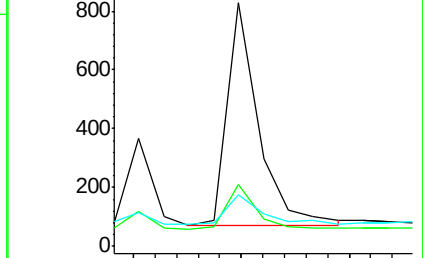
179 15.5 12.2 18.4



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: BE092135.D

Acq: 3 Aug 2016 6:12

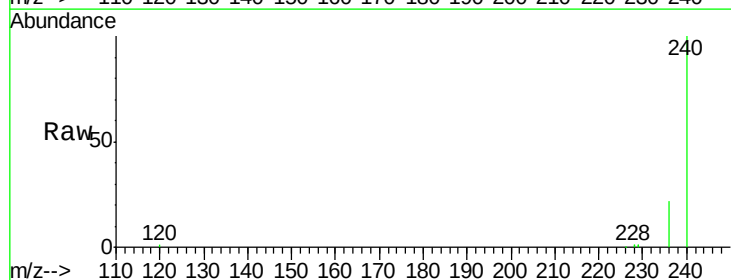
Tgt Ion:240 Resp: 68019

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

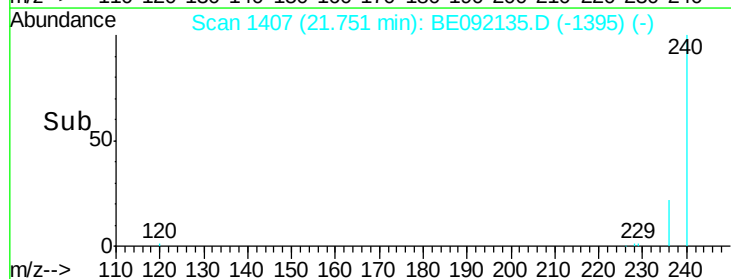
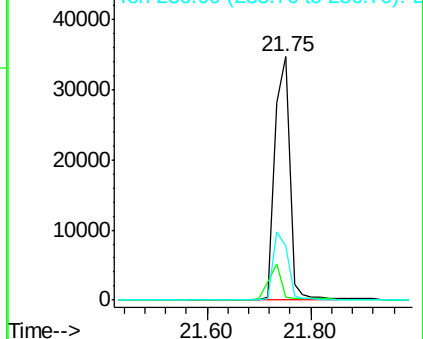
236 22.2 18.2 27.4

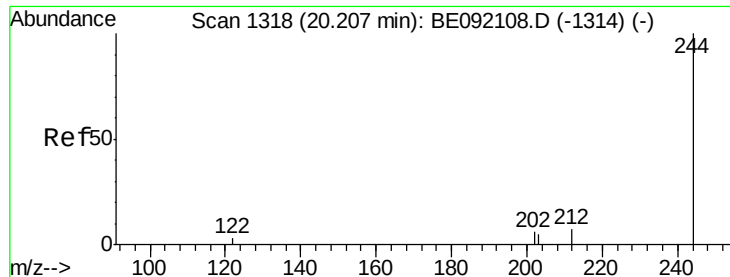


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 9.03 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

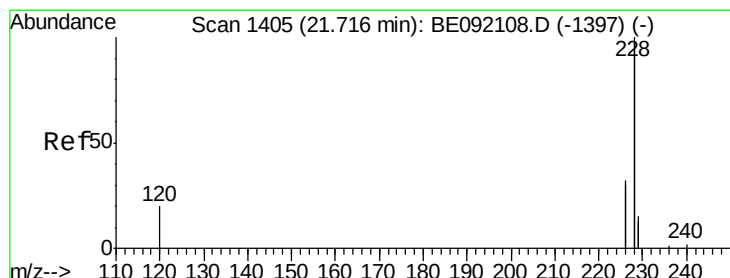
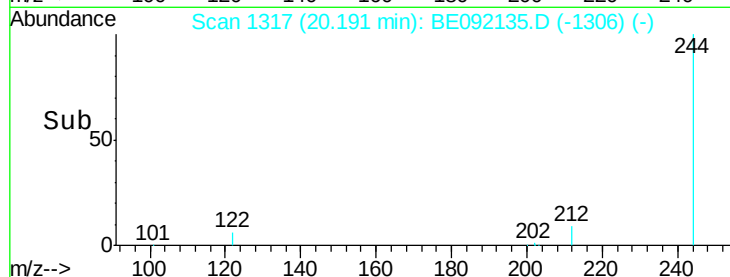
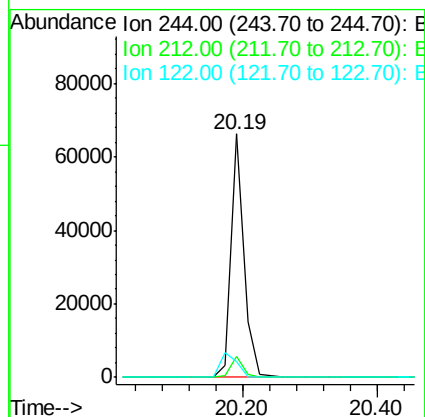
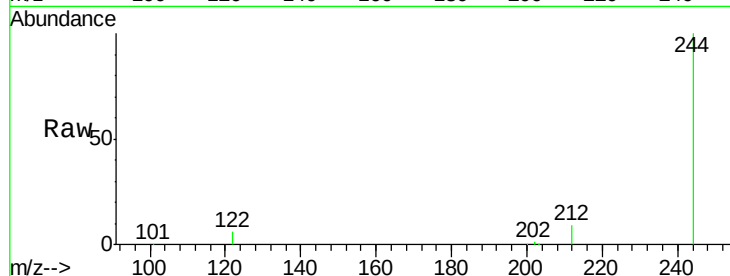
Tgt Ion:244 Resp: 88235

Ion Ratio Lower Upper

244 100

212 8.8 9.1 13.7#

122 6.5 11.0 16.4#



#25

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.73 min Scan# 1406

Delta R.T. 0.02 min

Lab File: BE092135.D

Acq: 3 Aug 2016 6:12

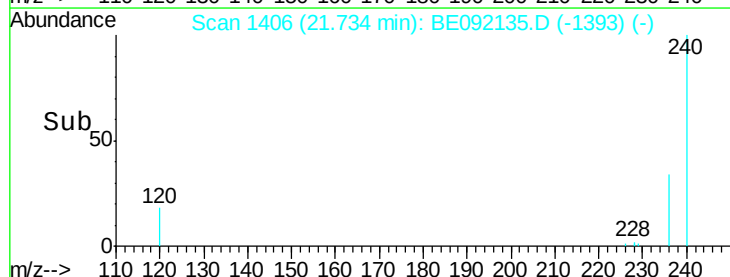
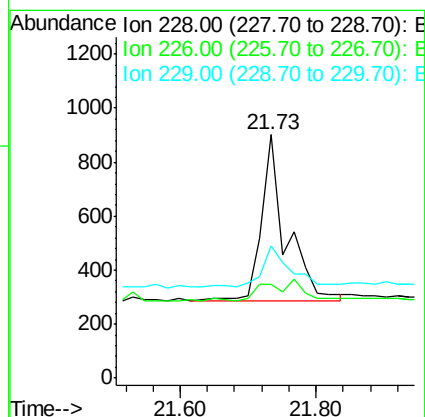
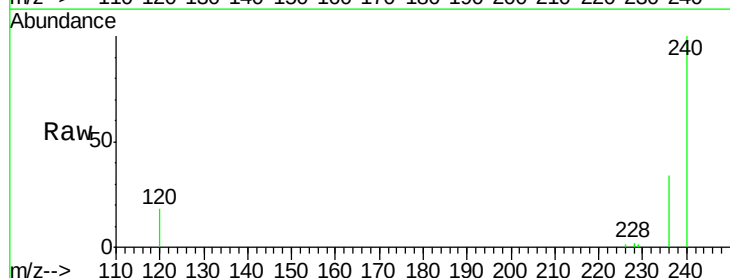
Tgt Ion:228 Resp: 1525

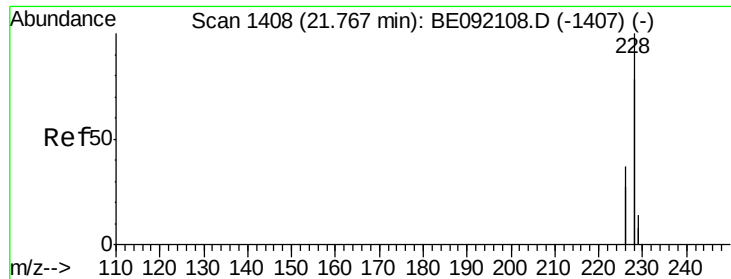
Ion Ratio Lower Upper

228 100

226 38.4 22.1 33.1#

229 54.3 15.1 22.7#

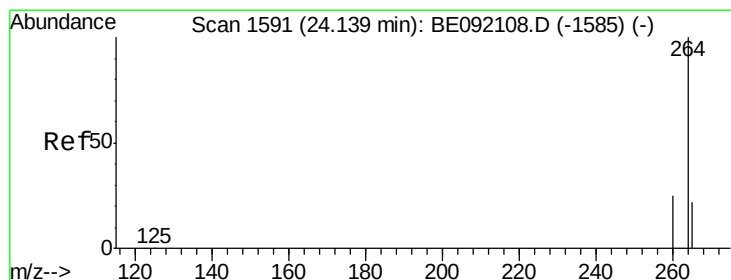
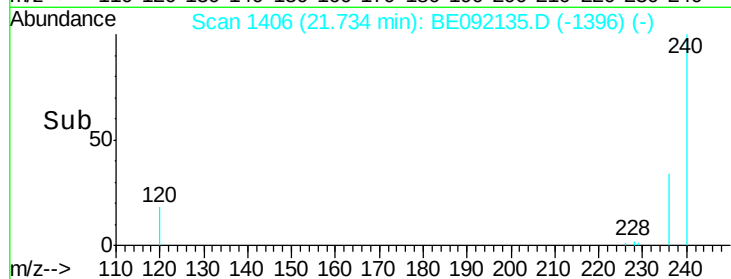
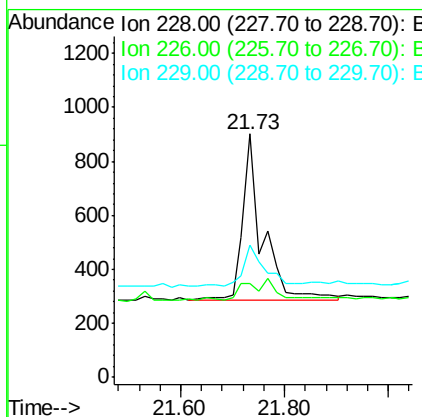
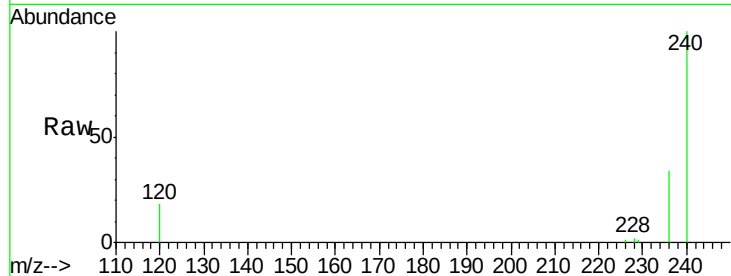




#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092135.D
Acq: 3 Aug 2016 6:12

Instrument :
BNA_E
ClientSampleId :
GW-39-7.0-13.0

Tgt Ion:228 Resp: 1594
Ion Ratio Lower Upper
228 100
226 38.4 22.3 33.5#
229 54.3 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: BE092135.D
Acq: 3 Aug 2016 6:12

Tgt Ion:264 Resp: 71932
Ion Ratio Lower Upper
264 100
260 24.4 20.8 31.2
265 22.6 16.6 25.0

