

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092171.D
 Acq On : 4 Aug 2016 7:28
 Operator : UM/SJ
 Sample : H4221-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-45-7.8-13.0

Quant Time: Aug 04 08:05:16 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

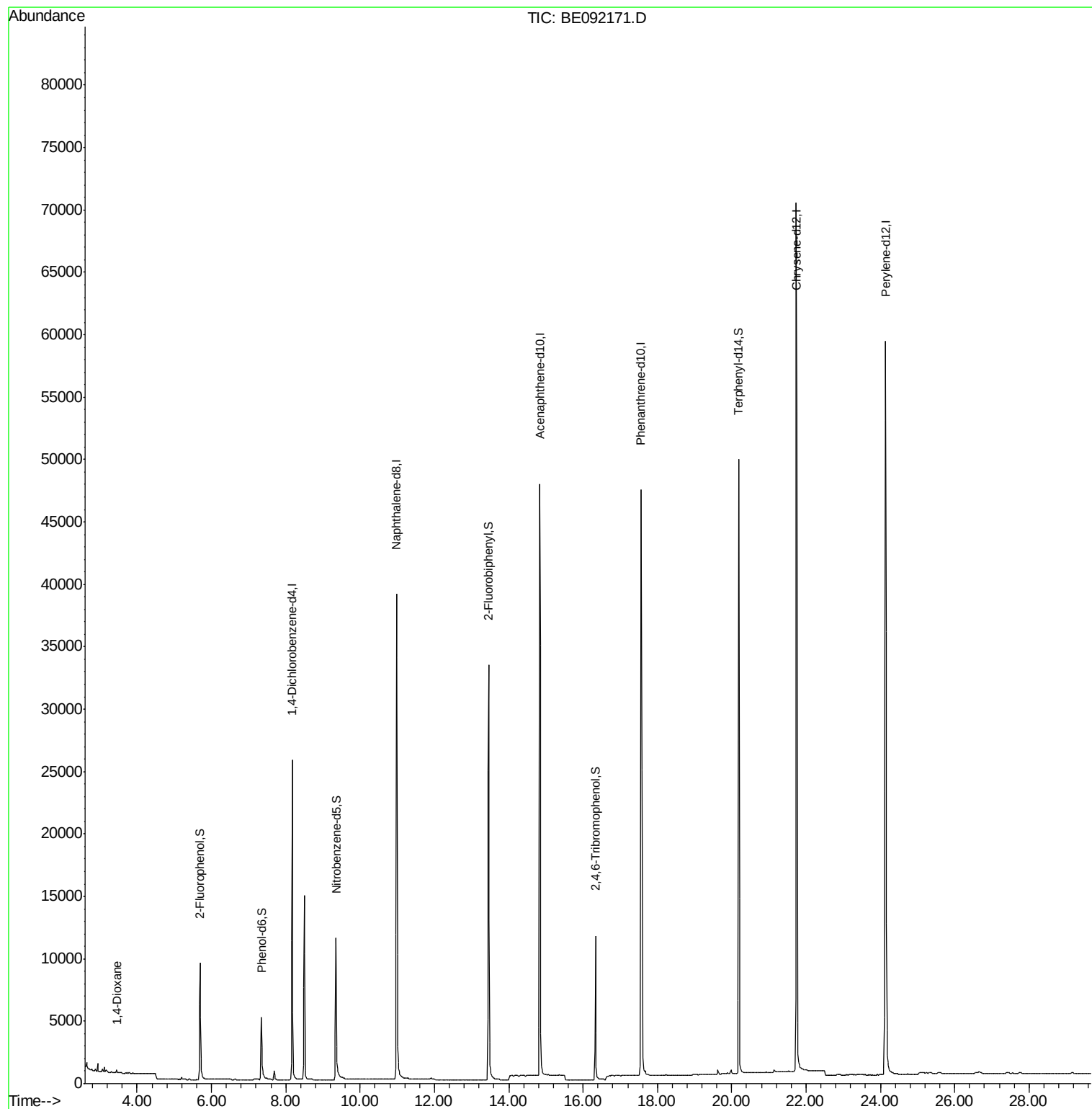
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13524	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	64596	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	36424	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	82327	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	96681	5.00	ng	-0.02
28) Perylene-d12	24.14	264	92286	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	8541	2.46	ng	0.00
5) Phenol-d6	7.35	99	7328	1.58	ng	0.00
7) Nitrobenzene-d5	9.35	82	14053	2.76	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	8276	7.00	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	36564	3.17	ng	0.00
24) Terphenyl-d14	20.19	244	58567	4.22	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	248	0.13	ng	Qvalue 92

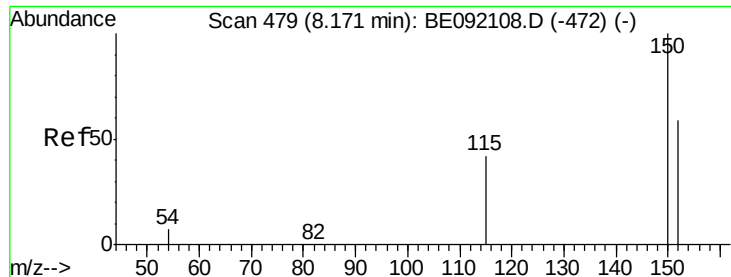
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092171.D

Acq: 4 Aug 2016 7:28

Instrument :

BNA_E

ClientSampleId :

GW-45-7.8-13.0

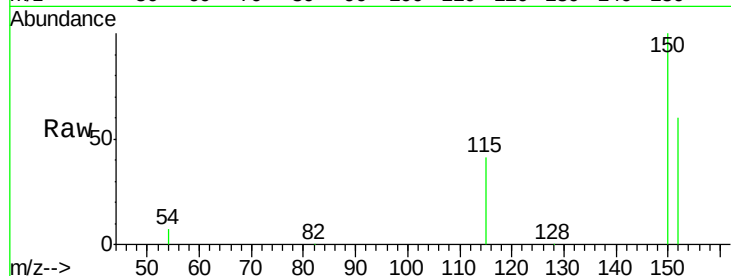
Tgt Ion:152 Resp: 13524

Ion Ratio Lower Upper

152 100

150 166.7 106.0 159.0#

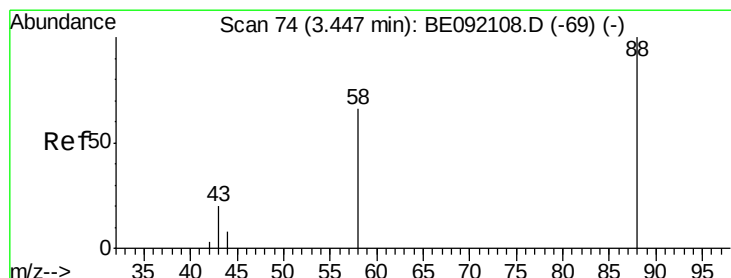
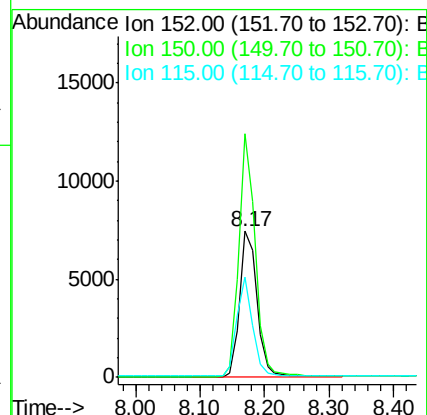
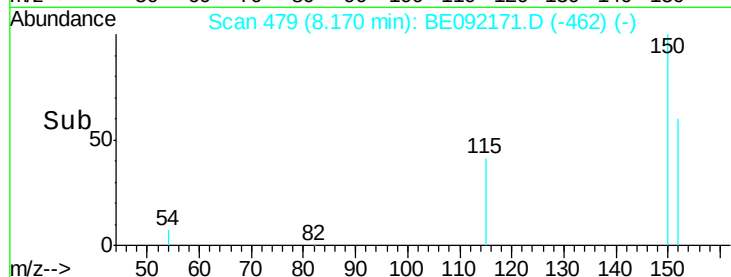
115 68.3 36.9 55.3#



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: 0.13 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092171.D

Acq: 4 Aug 2016 7:28

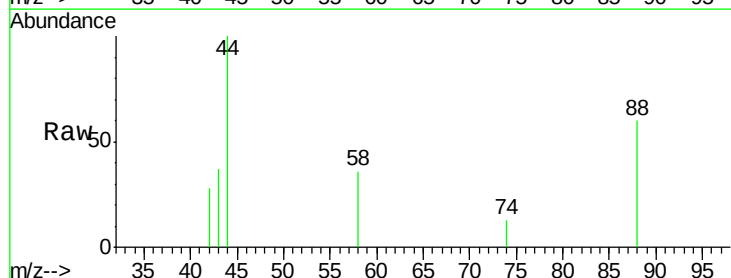
Tgt Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

58 70.2 62.1 93.1

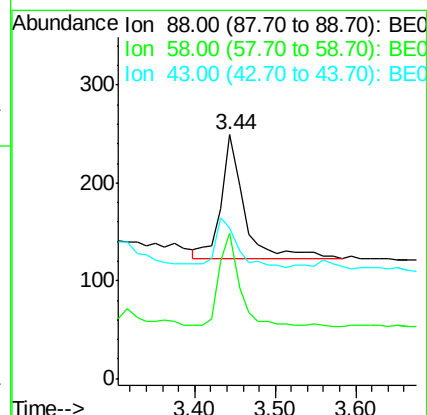
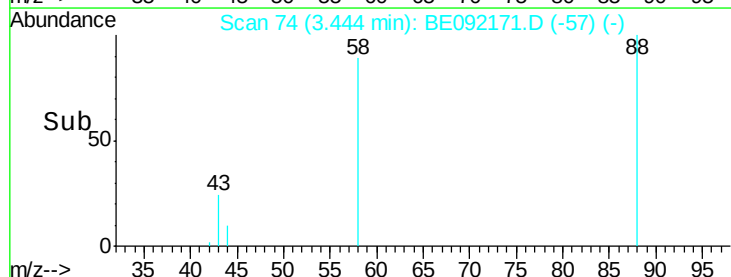
43 38.7 27.2 40.8

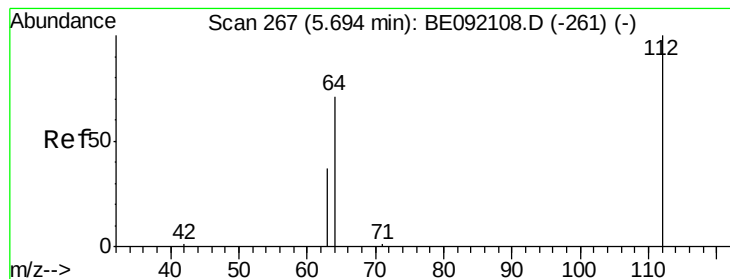


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.46 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092171.D

Acq: 4 Aug 2016 7:28

Instrument :

BNA_E

ClientSampleId :

GW-45-7.8-13.0

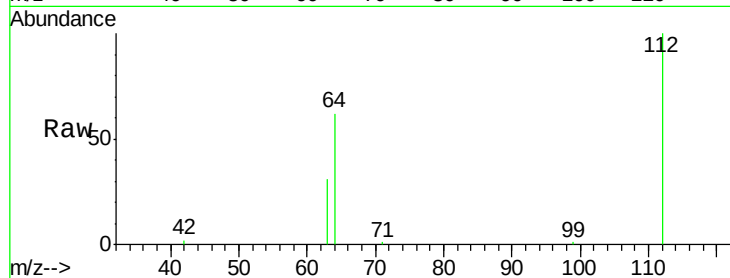
Tgt Ion: 112 Resp: 8541

Ion Ratio Lower Upper

112 100

64 67.0 55.9 83.9

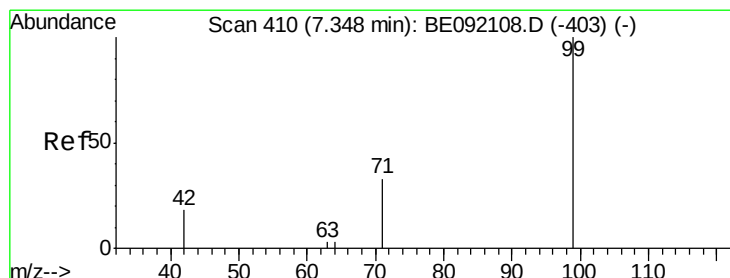
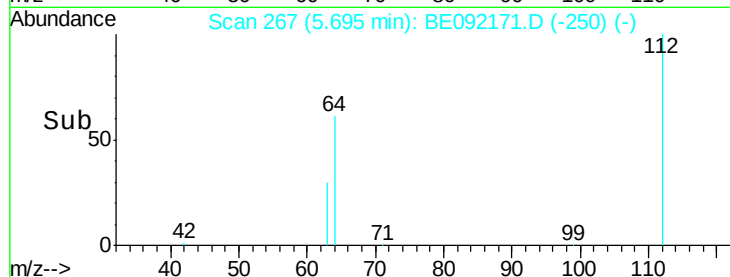
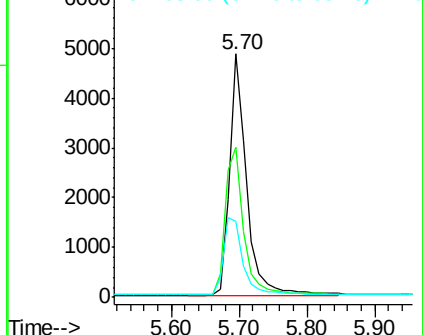
63 36.6 31.1 46.7



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: 1.58 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092171.D

Acq: 4 Aug 2016 7:28

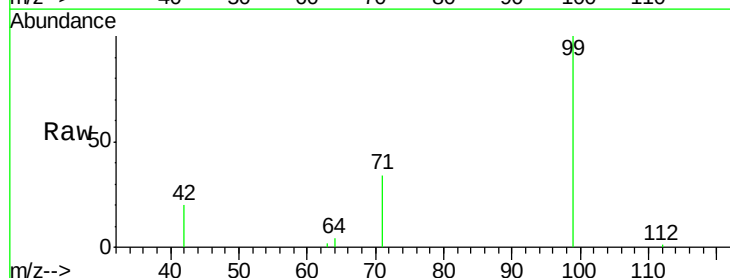
Tgt Ion: 99 Resp: 7328

Ion Ratio Lower Upper

99 100

42 24.5 22.4 33.6

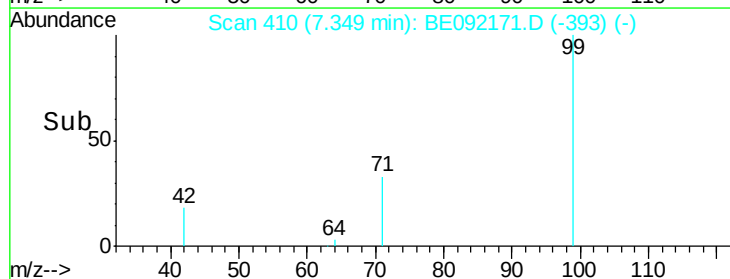
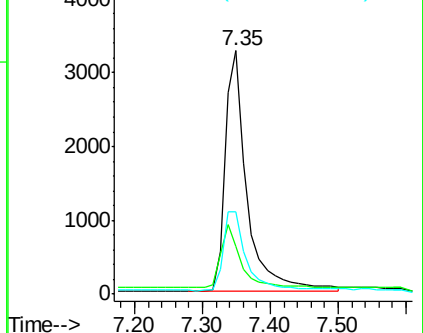
71 35.6 28.9 43.3

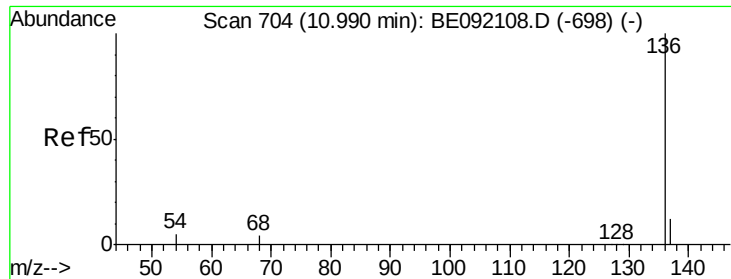


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

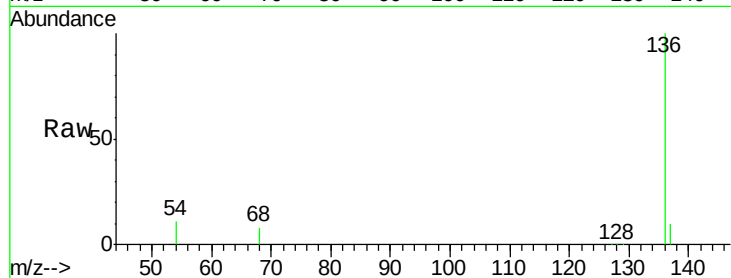




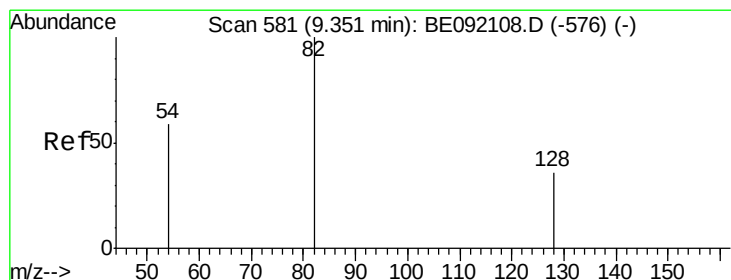
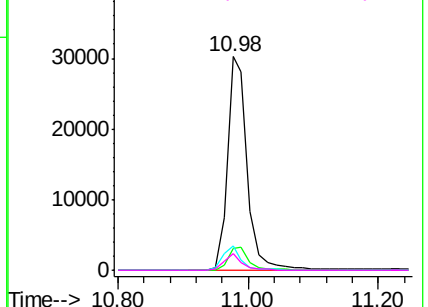
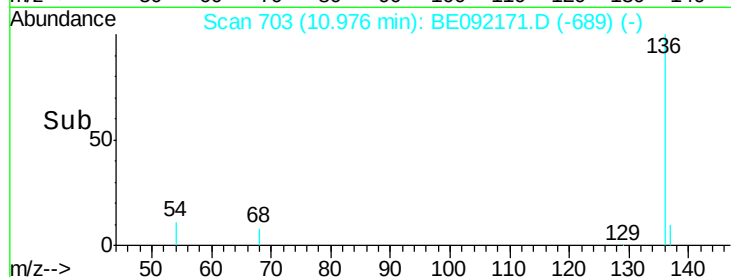
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion: 136 Resp: 64596
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 11.2 2.7 4.1#
68 7.7 2.2 3.4#

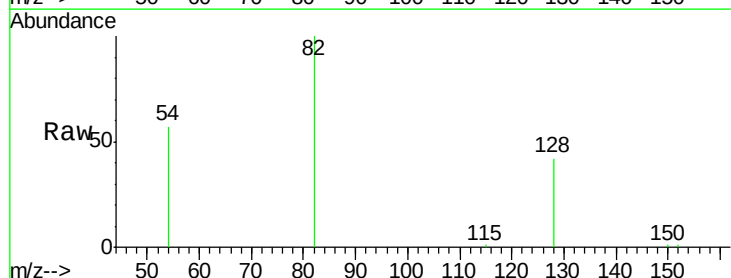


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

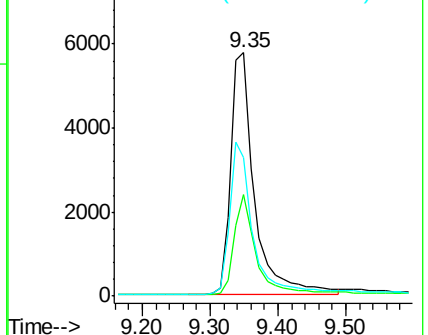
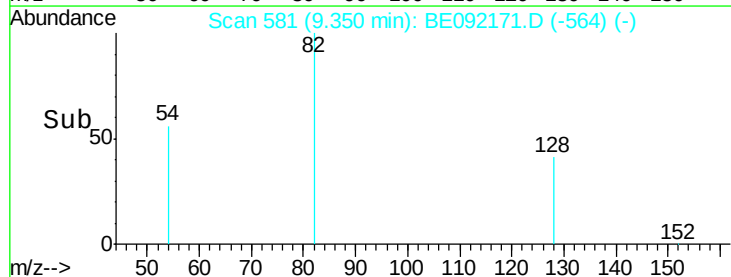


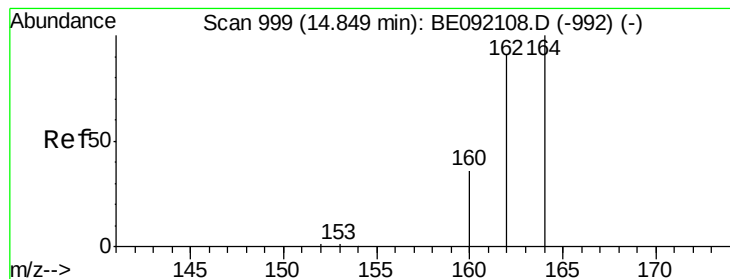
#7
Nitrobenzene-d5
Concen: 2.76 ng
RT: 9.35 min Scan# 581
Delta R.T. -0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion: 82 Resp: 14053
Ion Ratio Lower Upper
82 100
128 41.9 33.0 49.4
54 56.9 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
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: BE092171.D

Acq: 4 Aug 2016 7:28

Instrument :

BNA_E

ClientSampleId :

GW-45-7.8-13.0

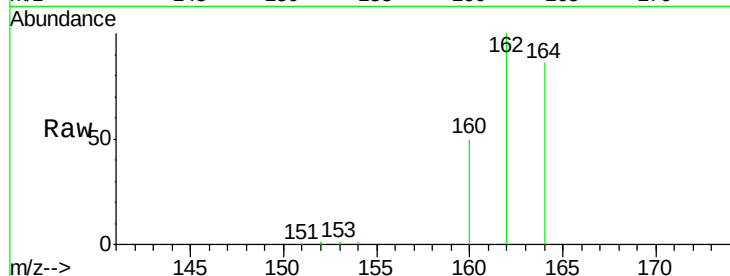
Tgt Ion:164 Resp: 36424

Ion Ratio Lower Upper

164 100

162 115.7 69.5 104.3#

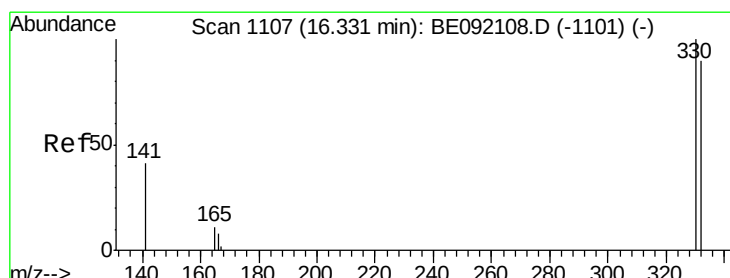
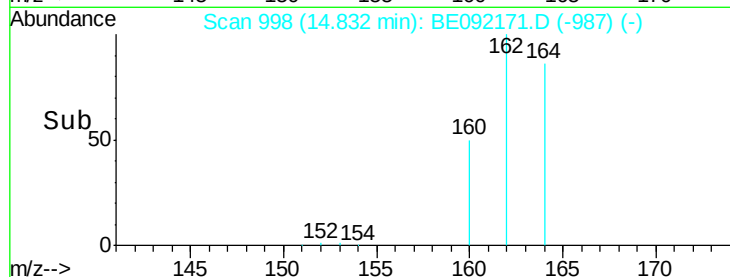
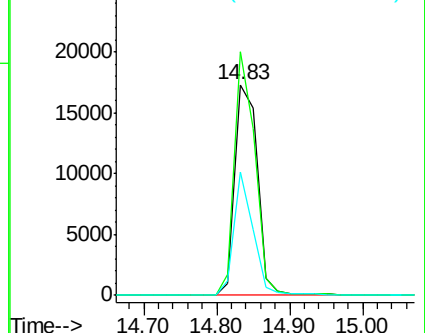
160 58.3 27.6 41.4#



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: 7.00 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092171.D

Acq: 4 Aug 2016 7:28

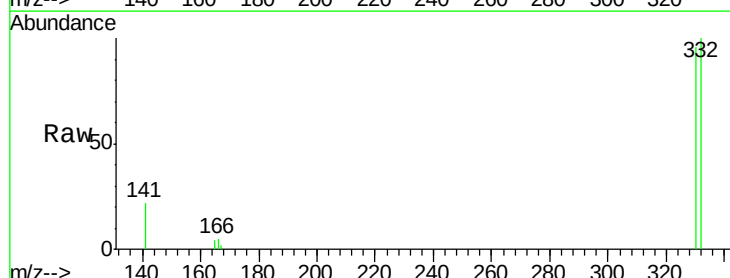
Tgt Ion:330 Resp: 8276

Ion Ratio Lower Upper

330 100

332 96.4 74.2 111.4

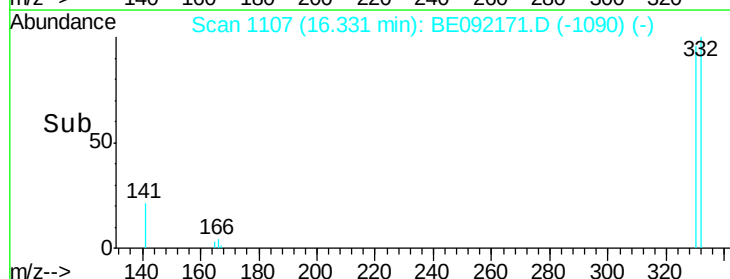
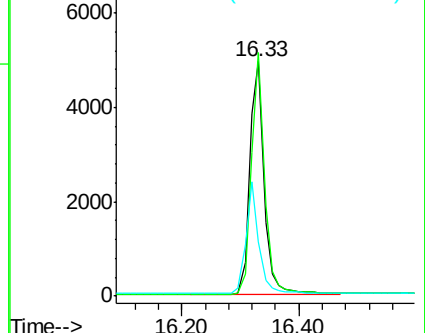
141 43.5 139.8 209.8#

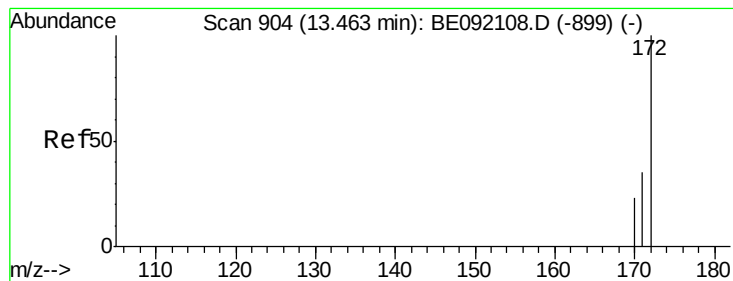


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 3.17 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092171.D

Acq: 4 Aug 2016 7:28

Instrument :

BNA_E

ClientSampleId :

GW-45-7.8-13.0

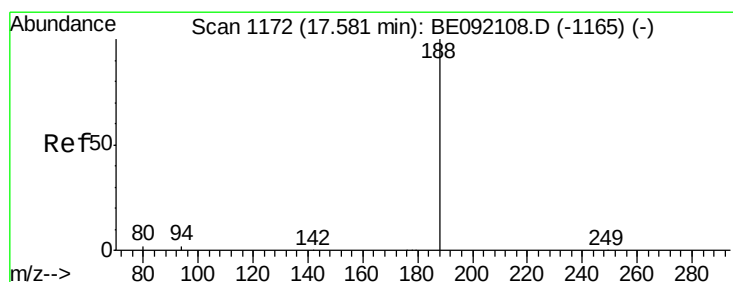
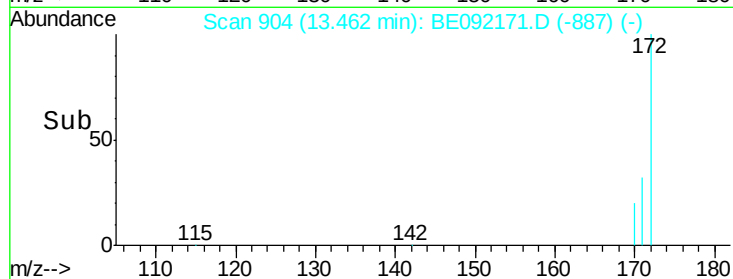
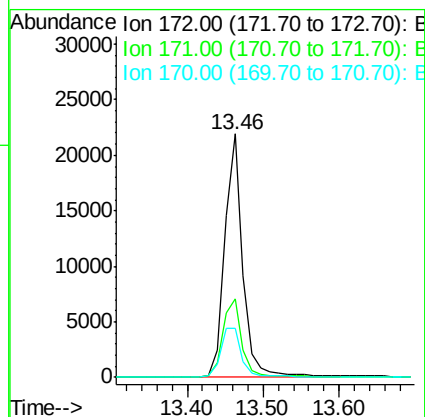
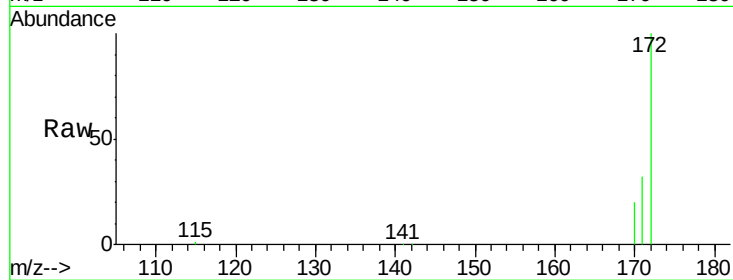
Tgt Ion:172 Resp: 36564

Ion Ratio Lower Upper

172 100

171 32.0 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: BE092171.D

Acq: 4 Aug 2016 7:28

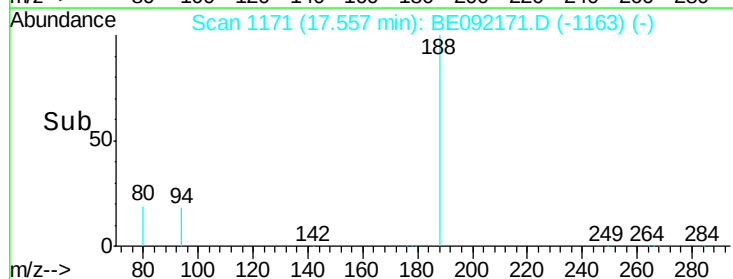
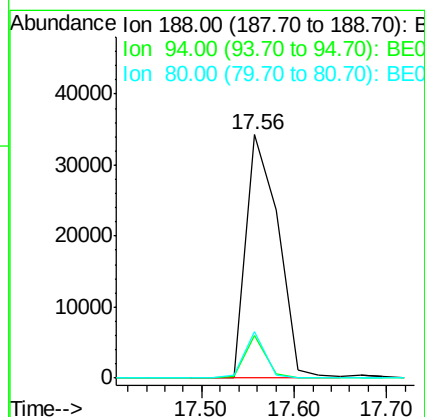
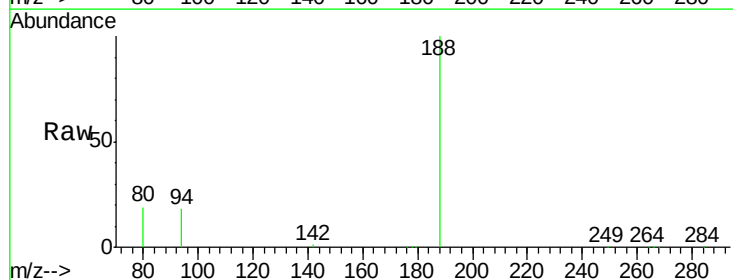
Tgt Ion:188 Resp: 82327

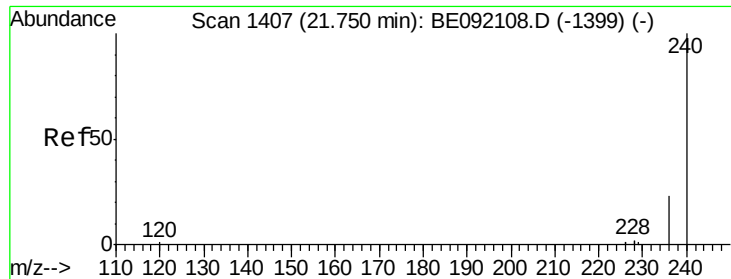
Ion Ratio Lower Upper

188 100

94 17.8 3.9 5.9#

80 19.1 3.4 5.0#





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BE092171.D

Acq: 4 Aug 2016 7:28

Instrument :

BNA_E

ClientSampleId :

GW-45-7.8-13.0

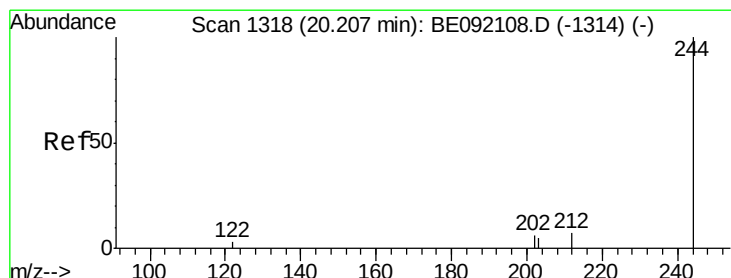
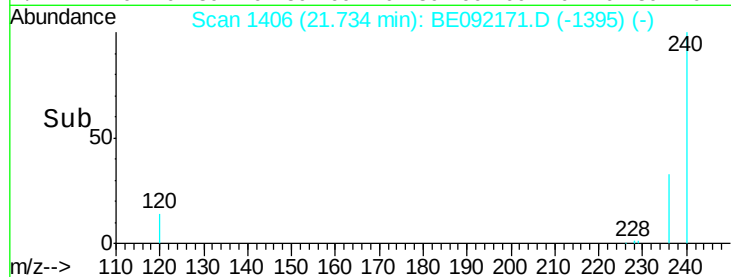
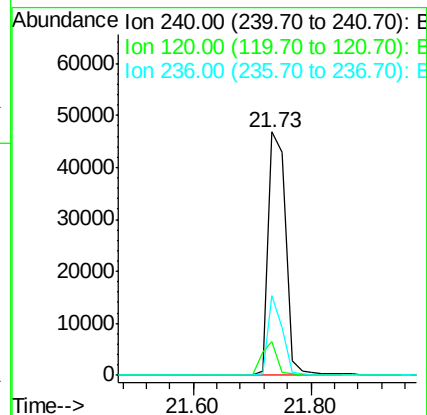
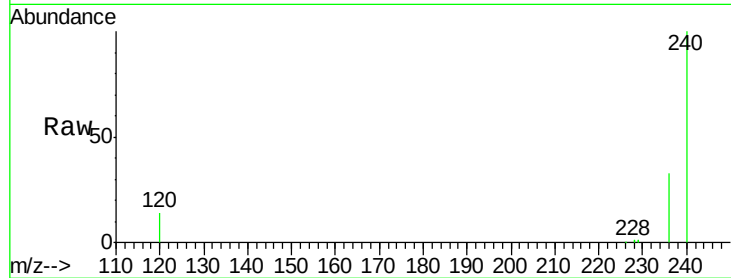
Tgt Ion:240 Resp: 96681

Ion Ratio Lower Upper

240 100

120 13.8 0.6 1.0#

236 32.7 18.2 27.4#



#24

Terphenyl-d14

Concen: 4.22 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092171.D

Acq: 4 Aug 2016 7:28

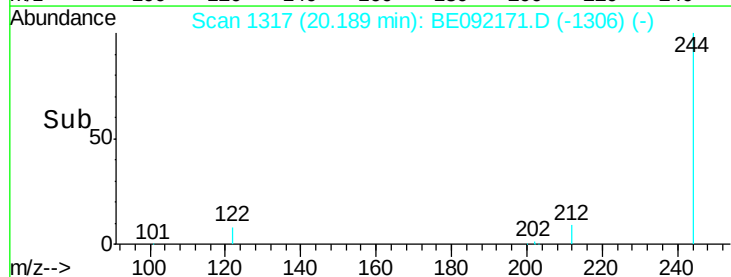
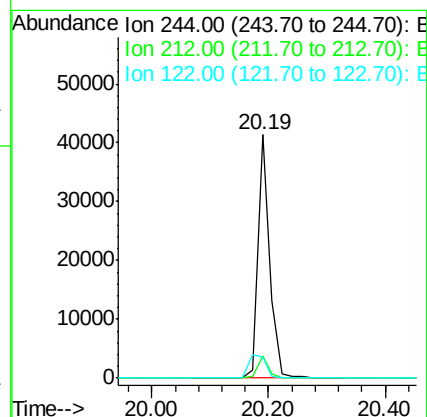
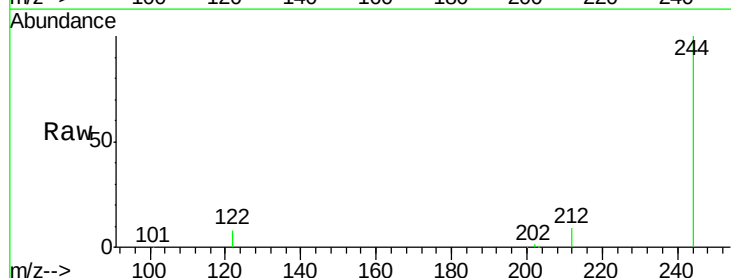
Tgt Ion:244 Resp: 58567

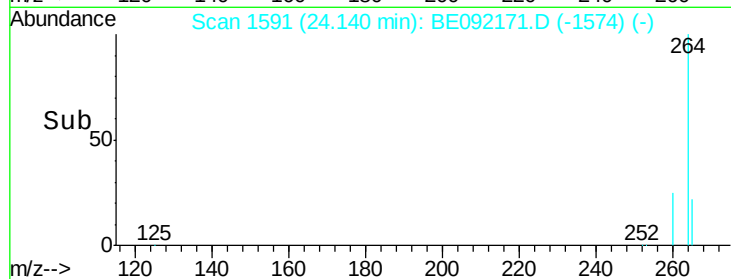
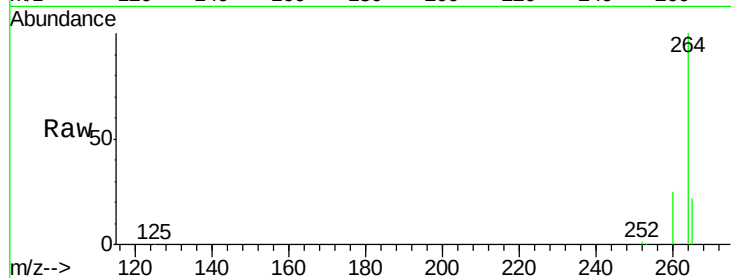
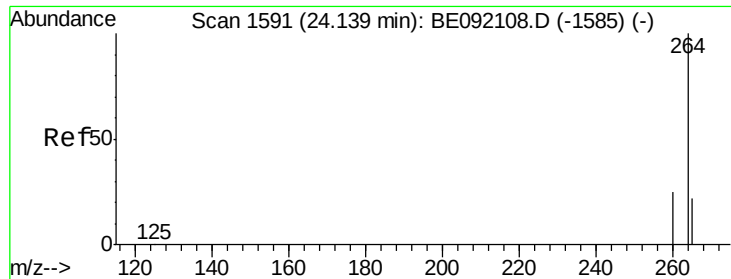
Ion Ratio Lower Upper

244 100

212 9.3 9.1 13.7

122 8.3 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: BE092171.D

Acq: 4 Aug 2016 7:28

Instrument :

BNA_E

ClientSampleId :

GW-45-7.8-13.0

Tgt Ion: 264 Resp: 92286

Ion Ratio Lower Upper

264 100

260 24.6 20.8 31.2

265 22.5 16.6 25.0

