

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 07:58:00 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

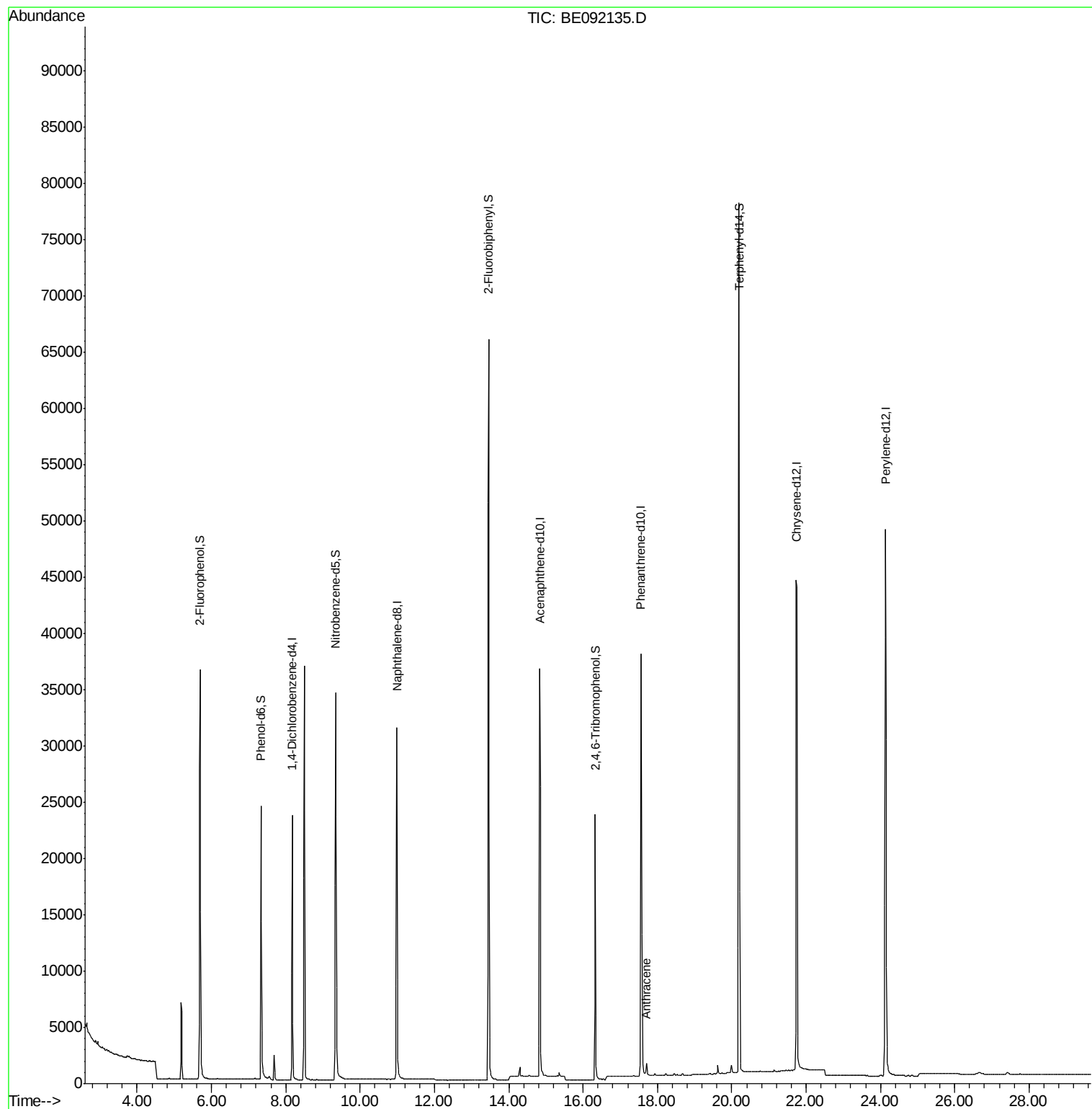
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12327	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	53290	5.00	ng	0.00
10) Acenaphthene-d10	14.83	164	27087	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58264	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	68019	5.00	ng	0.00
28) Perylene-d12	24.14	264	71932	5.00	ng	0.00
System Monitoring Compounds						
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						
20) Anthracene	17.70	178	1518	0.10	ng	Qvalue 99

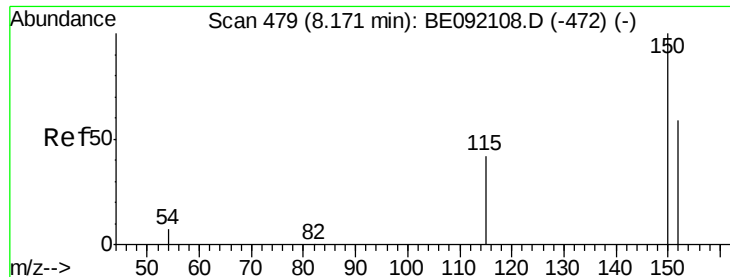
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092135.D

Acq: 3 Aug 2016 6:12

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

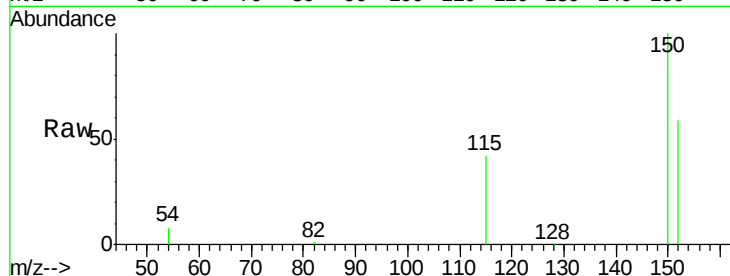
Tot Ion:152 Resp: 12327

Ion Ratio Lower Upper

152 100

150 168.9 106.0 159.0#

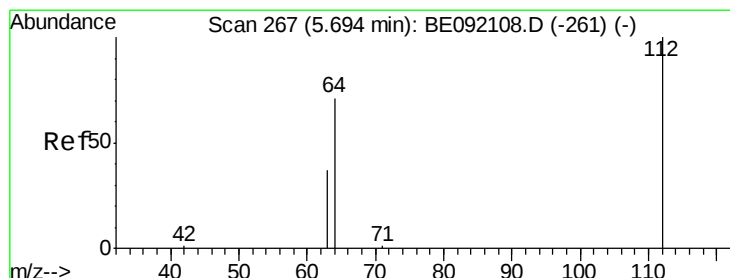
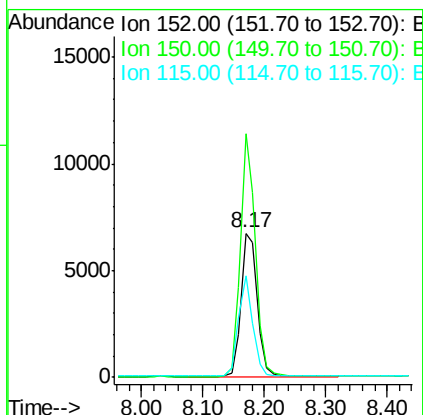
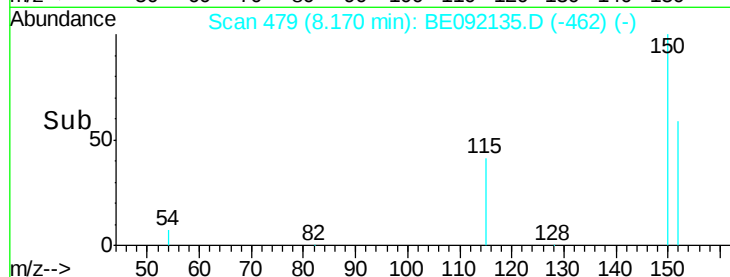
115 70.5 36.9 55.3#



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



#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

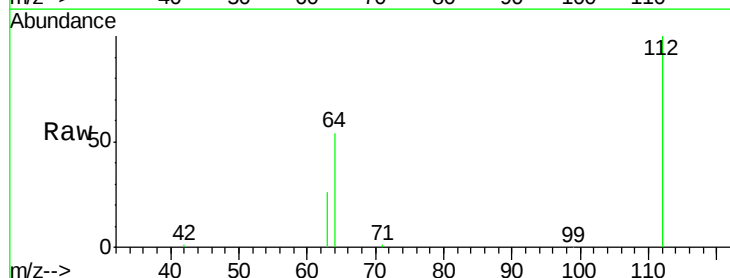
Tgt Ion:112 Resp: 31193

Ion Ratio Lower Upper

112 100

64 66.4 55.9 83.9

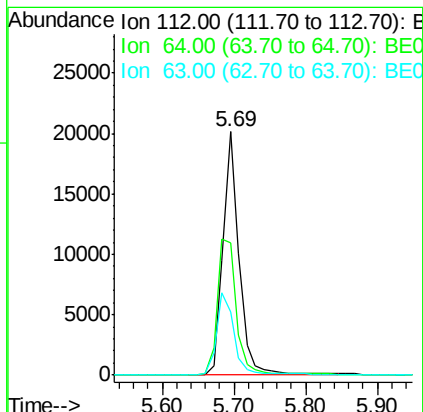
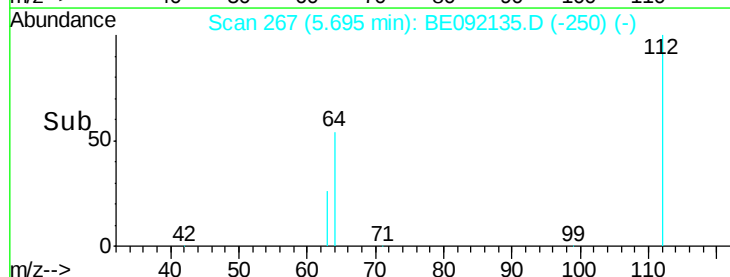
63 36.2 31.1 46.7

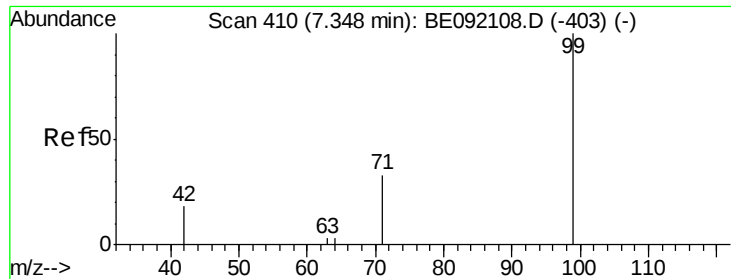


Abundance Ion 112.00 (111.70 to 112.70): E

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

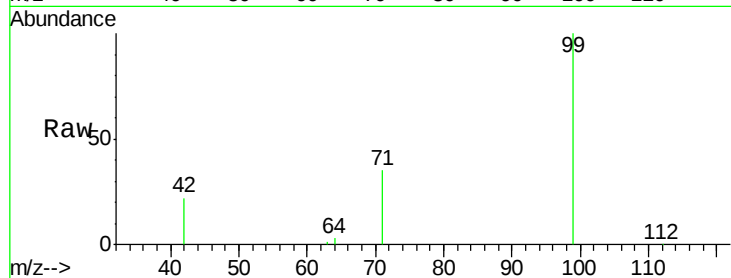
Tot Ion: 99 Resp: 26786

Ion Ratio Lower Upper

99 100

42 24.8 22.4 33.6

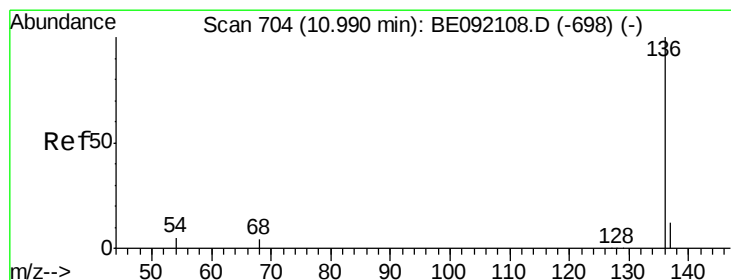
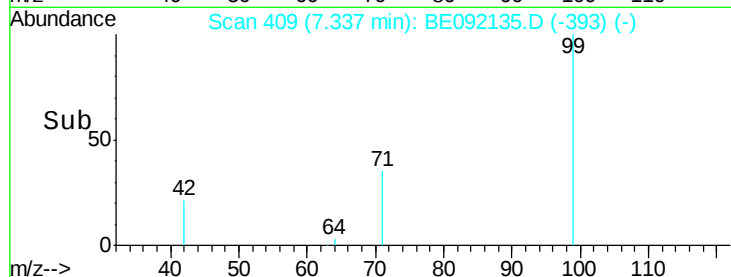
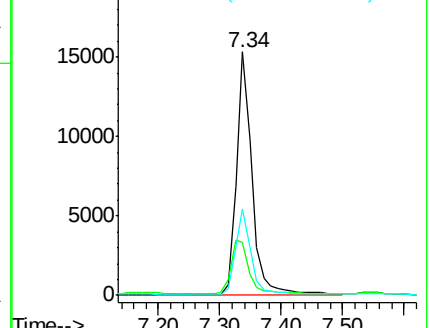
71 35.2 28.9 43.3



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

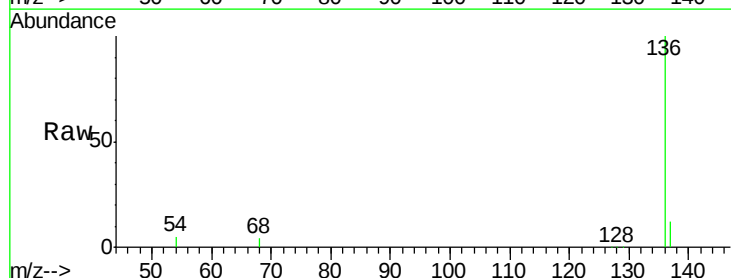
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 4.9 2.7 4.1#

68 3.9 2.2 3.4#

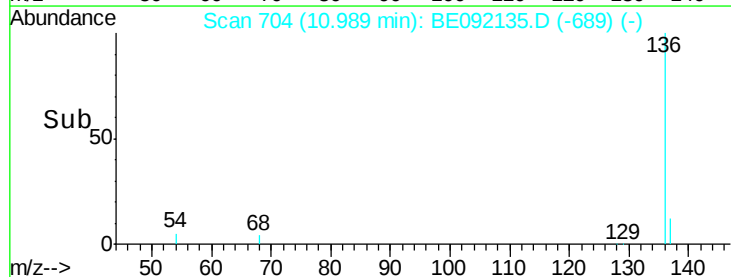
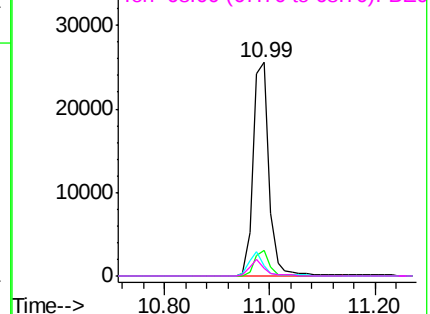


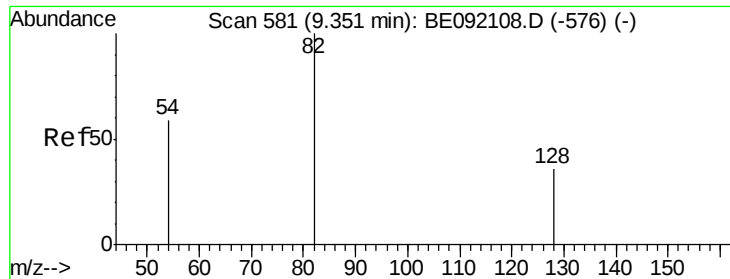
Abundance Ion 136.00 (135.70 to 136.70): E

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

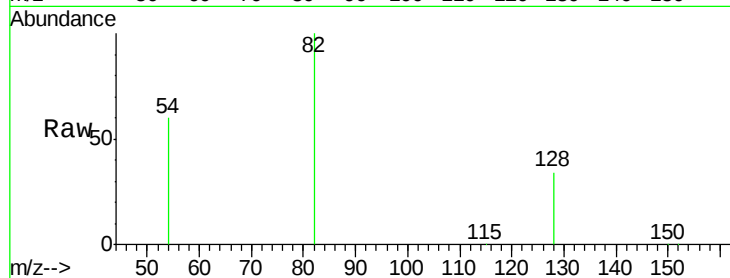
Tot Ion: 82 Resp: 33004

Ion Ratio Lower Upper

82 100

128 34.4 33.0 49.4

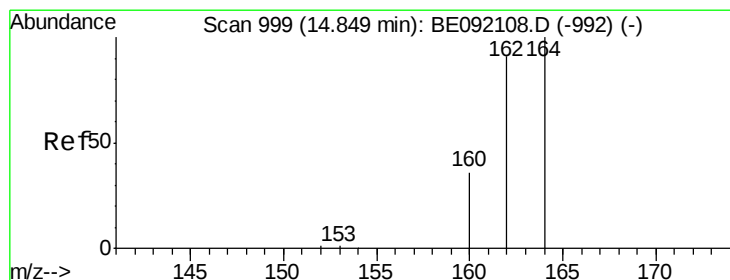
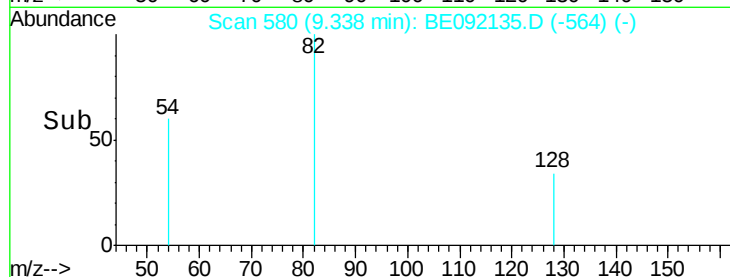
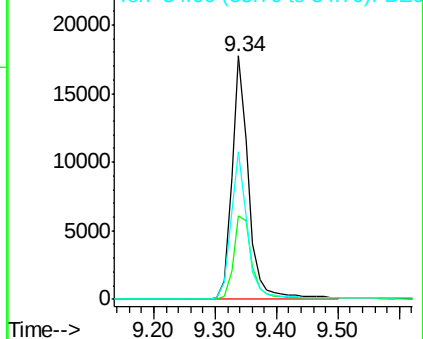
54 60.4 42.6 63.8



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

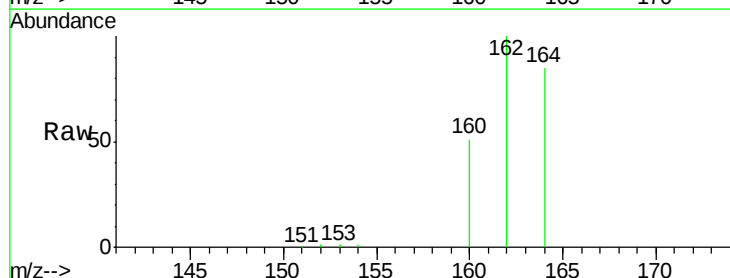
Tgt Ion: 164 Resp: 27087

Ion Ratio Lower Upper

164 100

162 118.0 69.5 104.3#

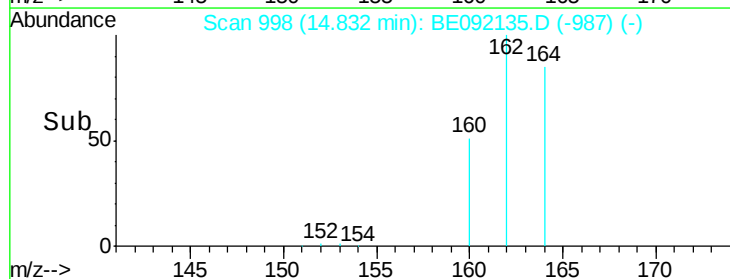
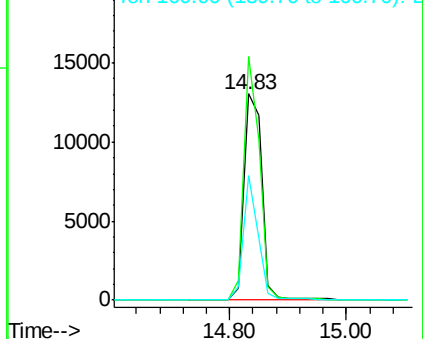
160 60.2 27.6 41.4#

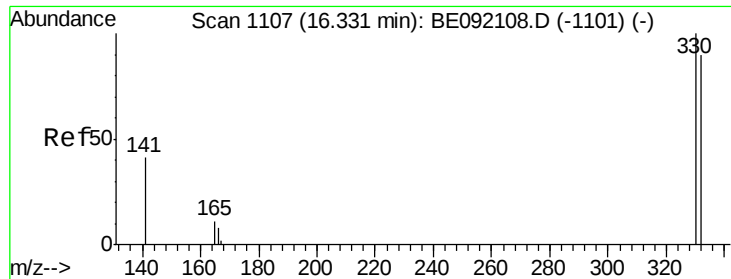


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

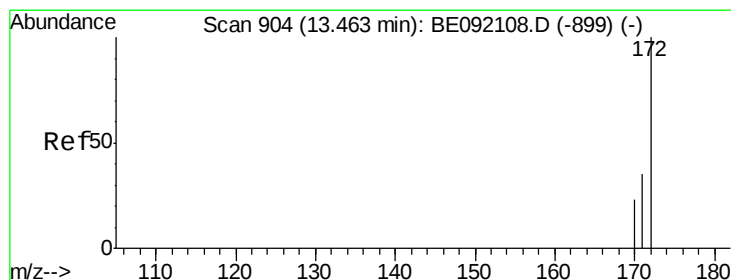
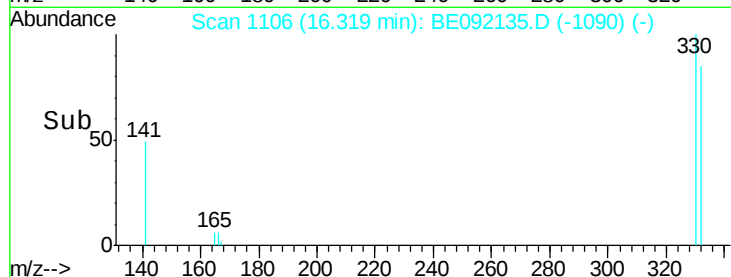
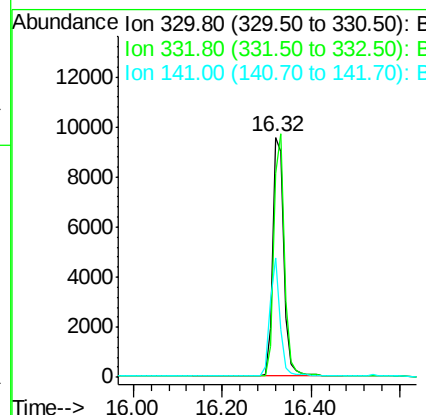
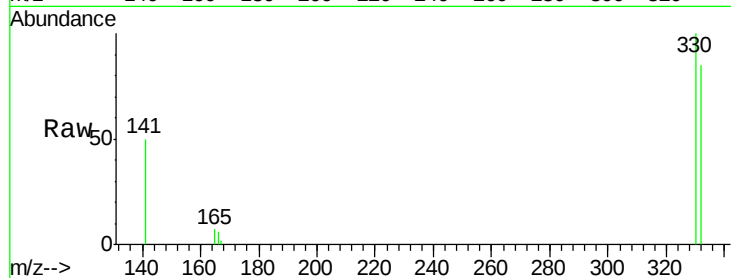




#11
 2,4,6-Tribromophenol
 Concen: 18.99 ng
 RT: 16.32 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: BE092135.D
 Acq: 3 Aug 2016 6:12

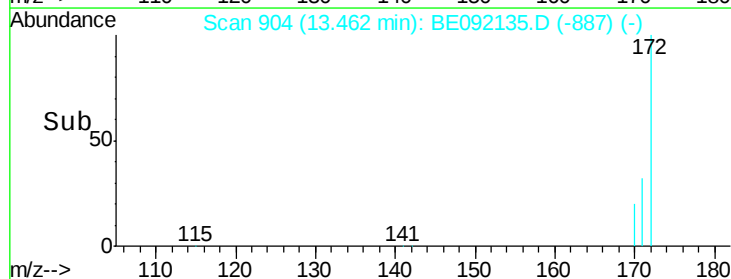
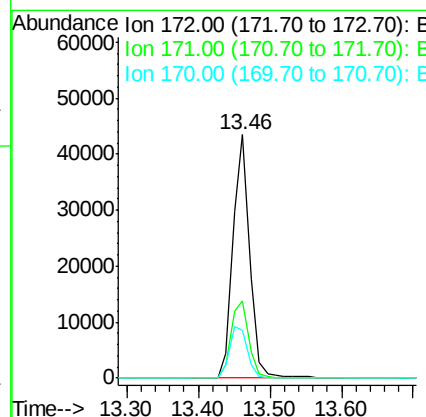
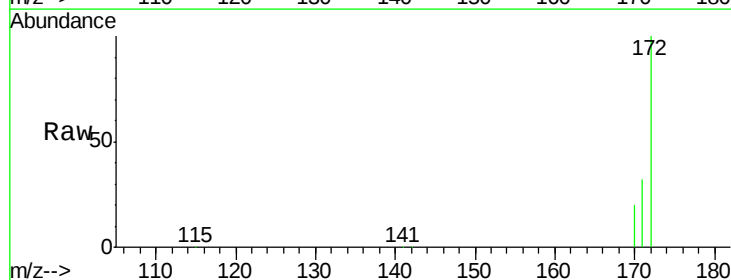
Instrument :
 BNA_E
 ClientSampleId :
 GW-39-7.0-13.0

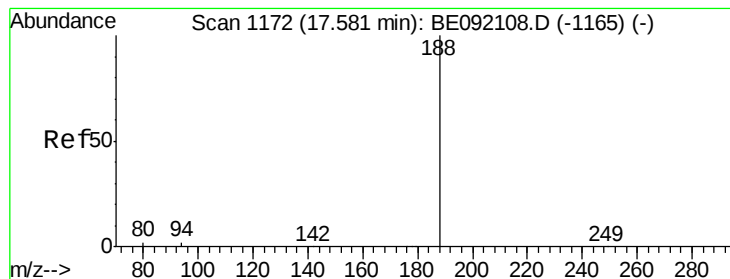
Tot Ion:330 Resp: 16700
 Ion Ratio Lower Upper
 330 100
 332 97.1 74.2 111.4
 141 44.0 139.8 209.8#



#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#

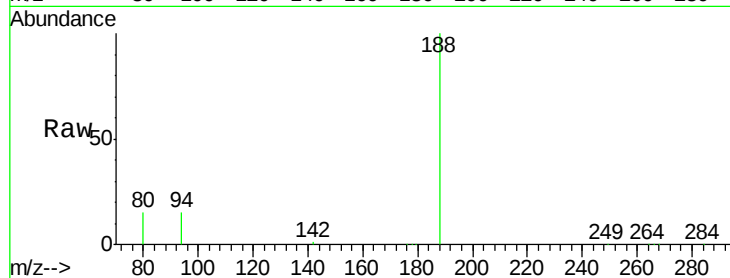




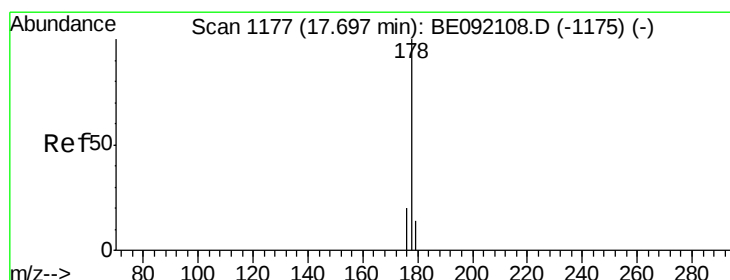
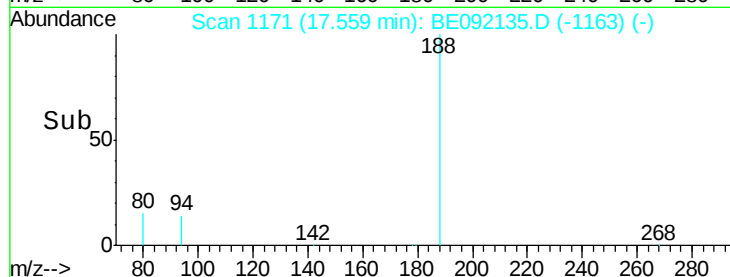
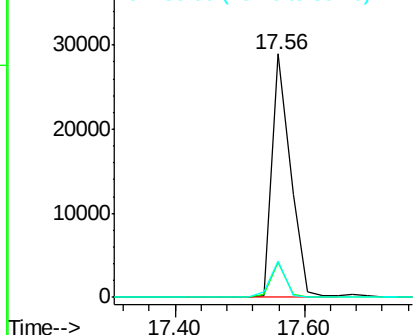
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092135.D
Acq: 3 Aug 2016 6:12

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

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

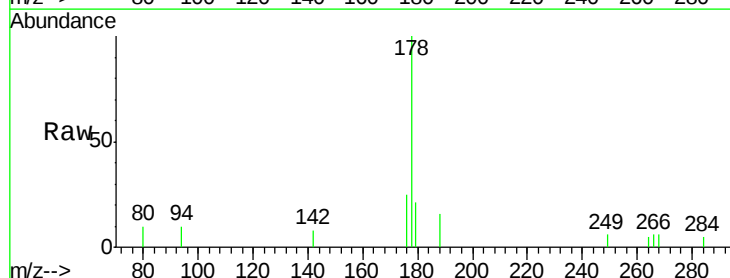


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

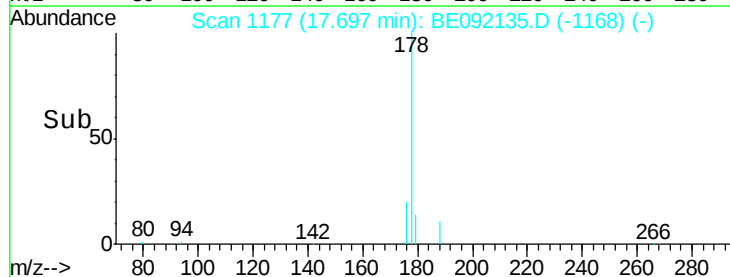
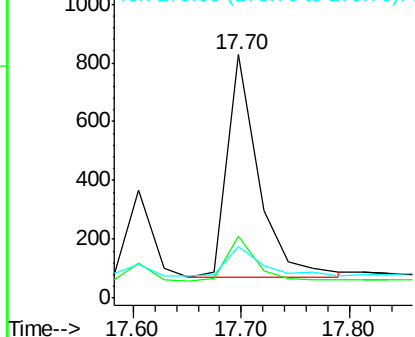


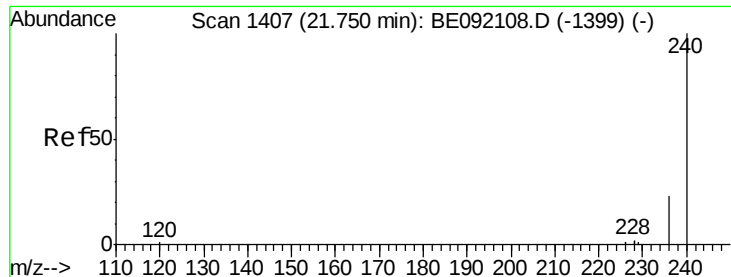
#20
Anthracene
Concen: 0.10 ng
RT: 17.70 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BE092135.D
Acq: 3 Aug 2016 6:12

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

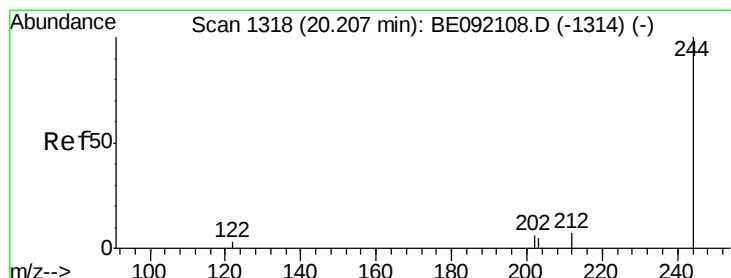
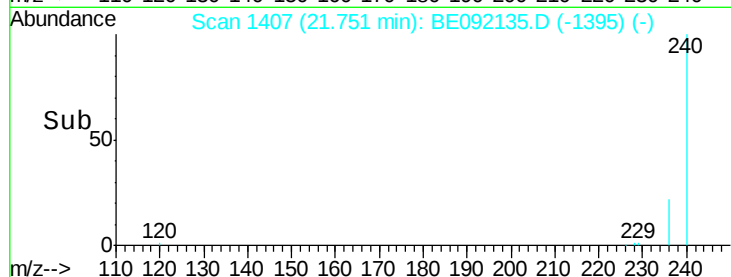
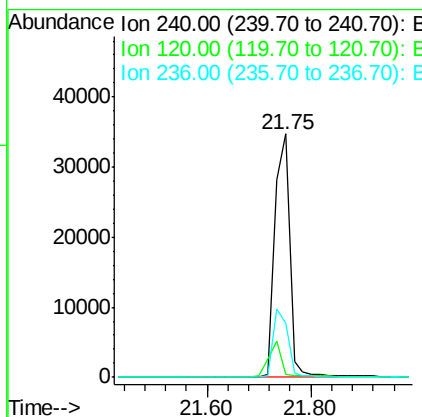
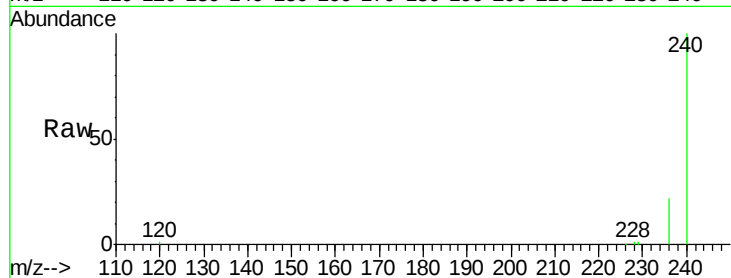




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092135.D
Acq: 3 Aug 2016 6:12

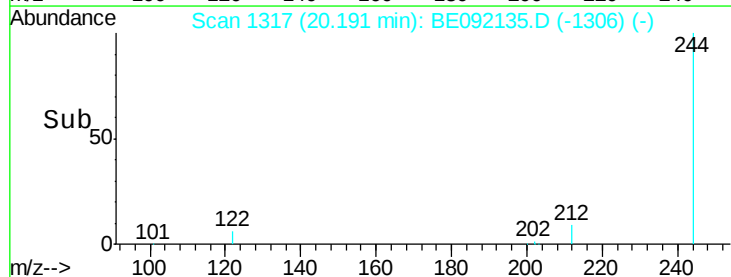
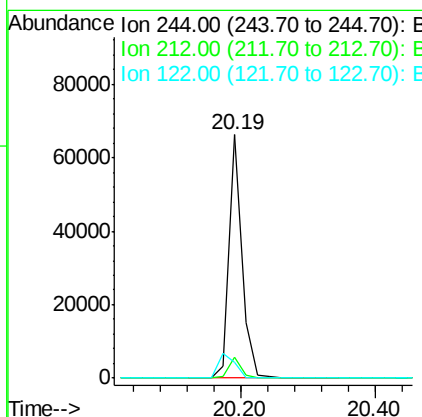
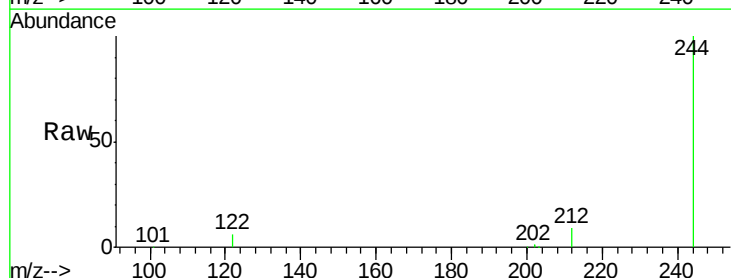
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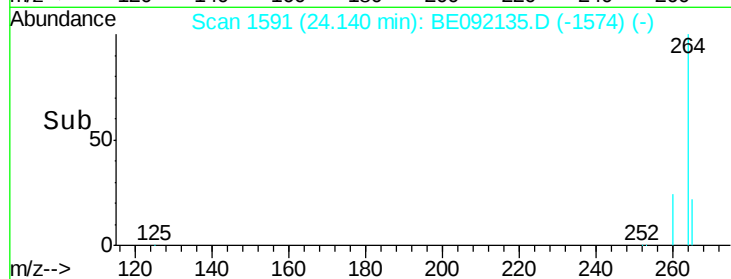
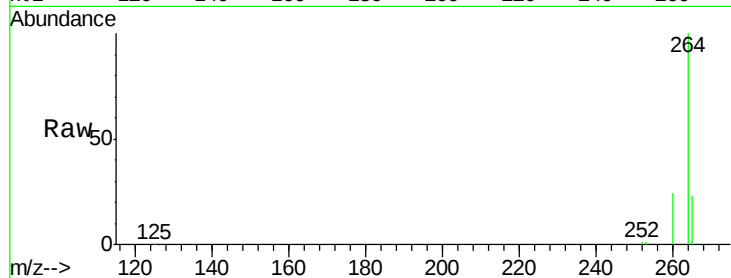
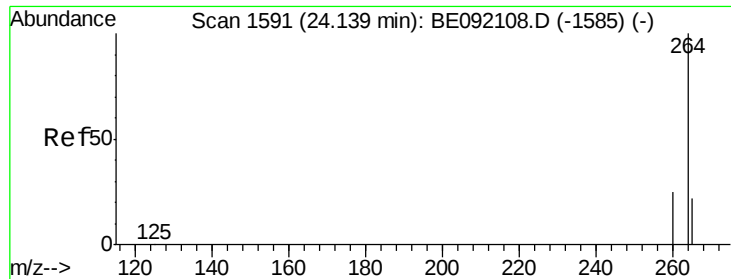
Tot Ion:240 Resp: 68019
Ion Ratio Lower Upper
240 100
120 1.4 0.6 1.0#
236 22.2 18.2 27.4



#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

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#





#28

Pervlene-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

Instrument :

BNA_E

ClientSampleId :

GW-39-7.0-13.0

Tot Ion:264 Resp: 71932

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.6 16.6 25.0

