

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
 Data File : BE091575.D
 Acq On : 31 Mar 2016 4:08
 Operator : UM/SJ
 Sample : H1946-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-4

Quant Time: Mar 31 05:10:43 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 18:45:59 2016
 Response via : Initial Calibration

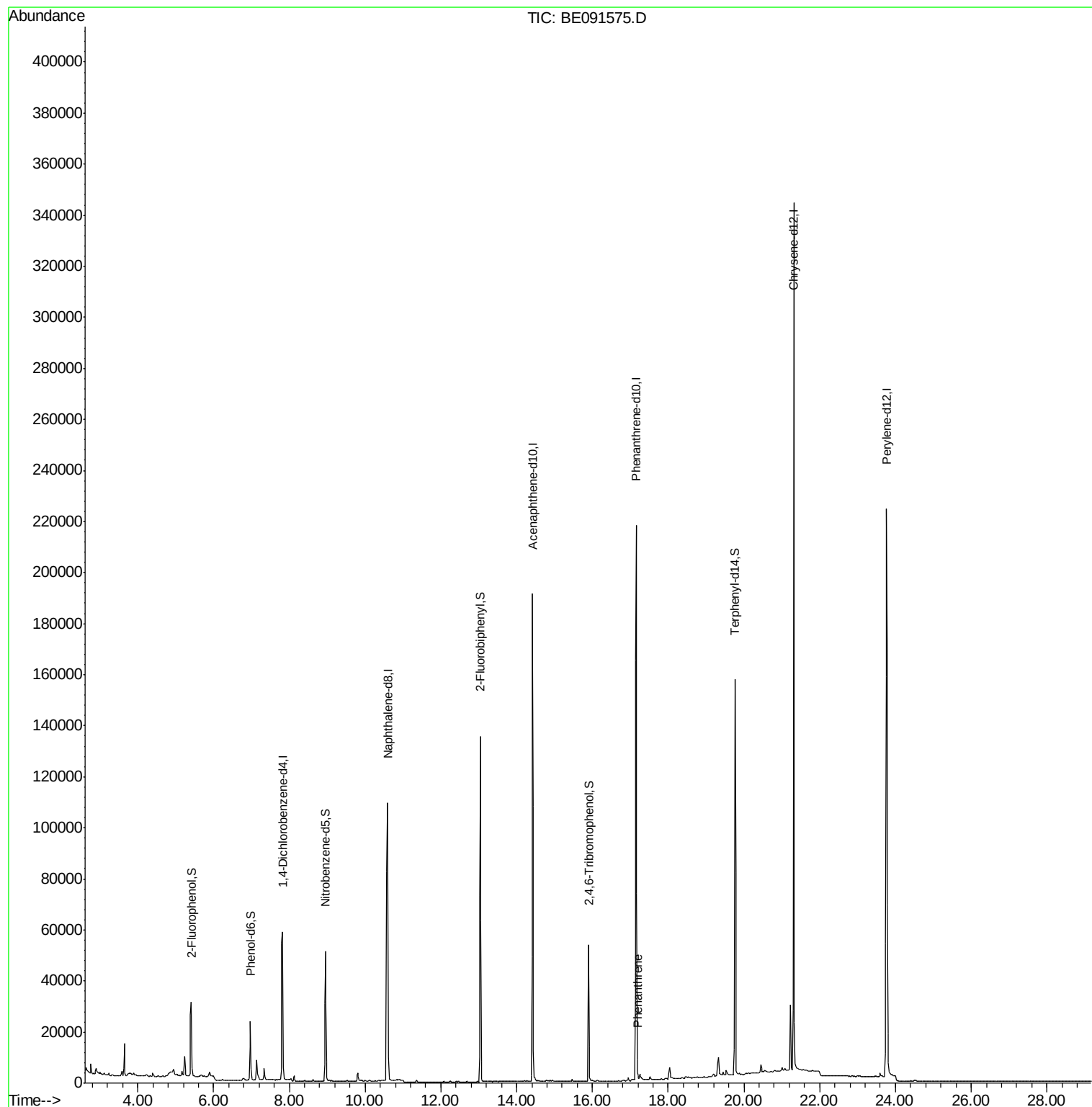
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	38090	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	184608	5.00	ng	0.00
10) Acenaphthene-d10	14.42	164	116084	5.00	ng	-0.03
16) Phenanthrene-d10	17.16	188	285686	5.00	ng	-0.01
22) Chrysene-d12	21.31	240	387479	5.00	ng	-0.02
28) Perylene-d12	23.76	264	335160	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	28296	2.84	ng	-0.02
5) Phenol-d6	6.97	99	26901	1.99	ng	-0.02
7) Nitrobenzene-d5	8.96	82	45951	3.71	ng	-0.02
11) 2,4,6-Tribromophenol	15.91	330	38129	7.41	ng	-0.01
12) 2-Fluorobiphenyl	13.05	172	127967	3.88	ng	-0.02
24) Terphenyl-d14	19.76	244	228865	4.65	ng	-0.02
Target Compounds						
19) Phenanthrene	17.19	178	2149	0.03	ng	Qvalue # 91

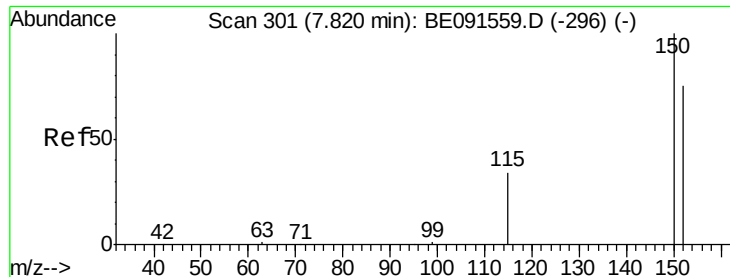
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.82 min Scan# 301

Delta R.T. -0.00 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

Instrument :

BNA_E

ClientSampleId :

MW-4

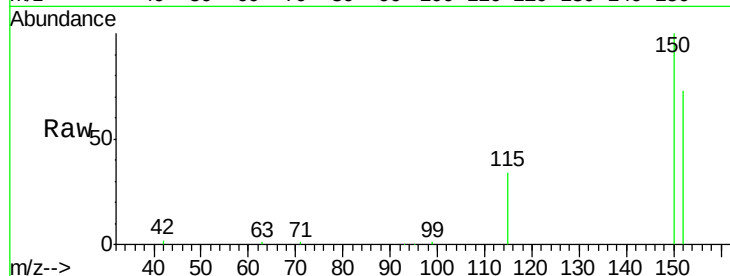
Tgt Ion:152 Resp: 38090

Ion Ratio Lower Upper

152 100

150 136.8 122.2 183.2

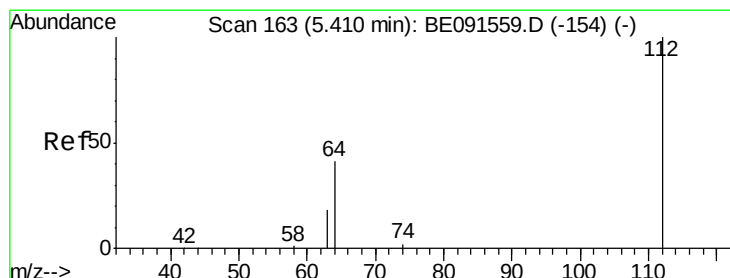
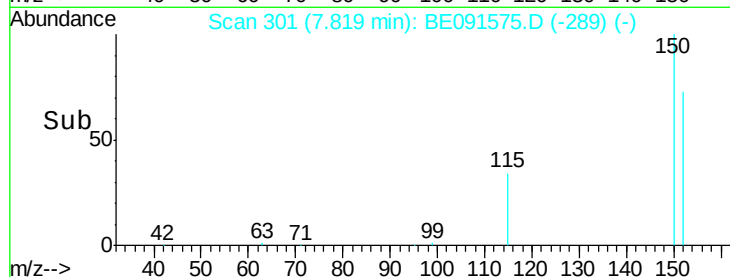
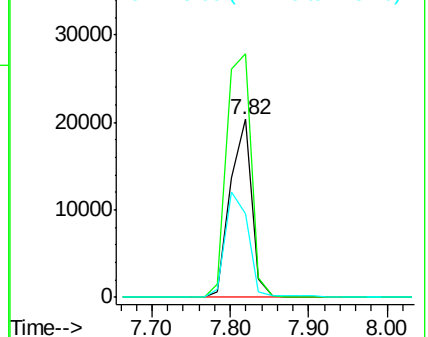
115 46.8 45.9 68.9



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: 2.84 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.02 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

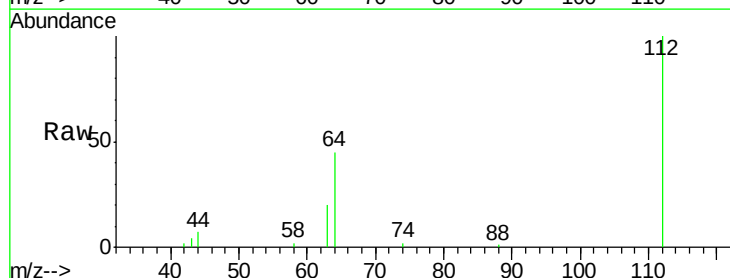
Tgt Ion:112 Resp: 28296

Ion Ratio Lower Upper

112 100

64 68.4 53.3 79.9

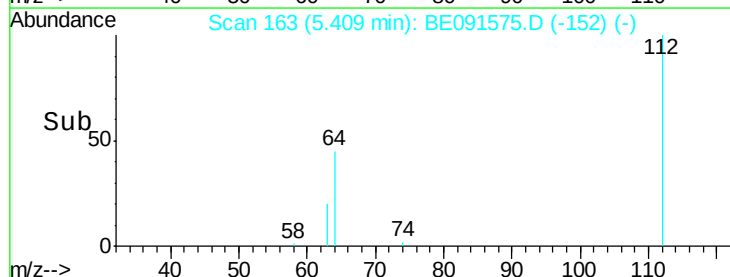
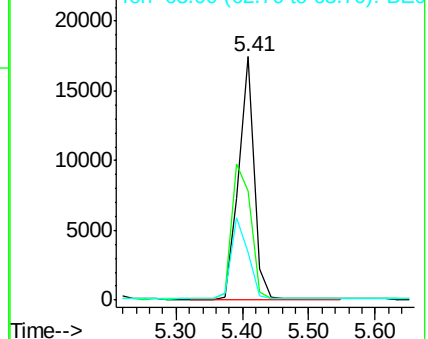
63 36.3 29.8 44.8

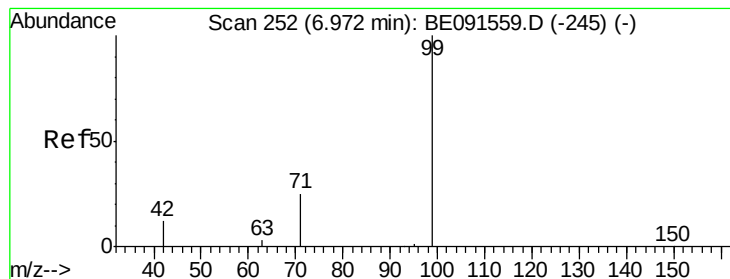


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.99 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

Instrument :

BNA_E

ClientSampleId :

MW-4

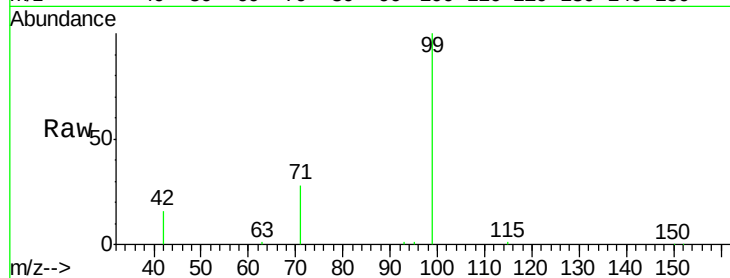
Tgt Ion: 99 Resp: 26901

Ion Ratio Lower Upper

99 100

42 24.8 20.6 30.8

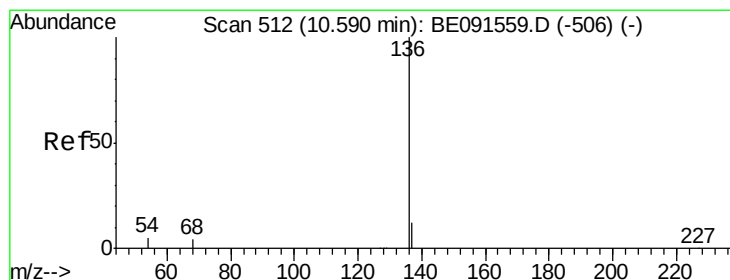
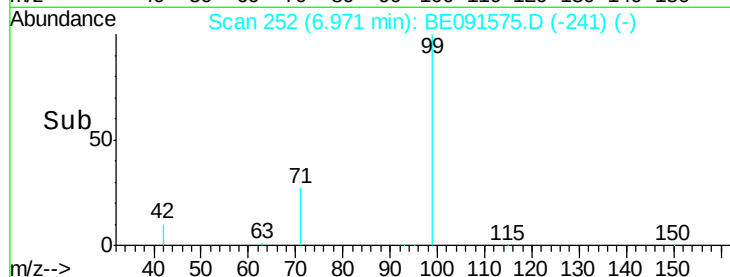
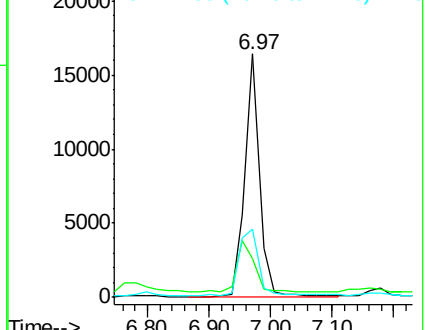
71 36.5 29.0 43.4



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: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

Tgt Ion: 136 Resp: 184608

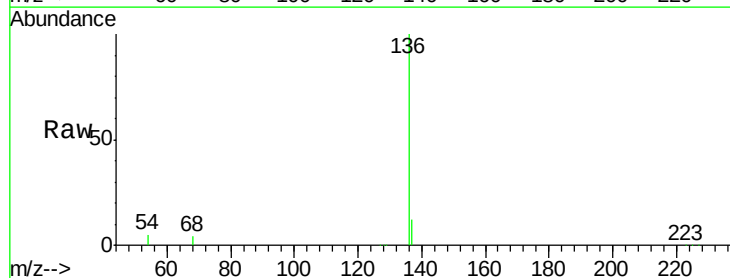
Ion Ratio Lower Upper

136 100

137 11.9 8.8 13.2

54 4.5 5.2 7.8#

68 3.8 4.1 6.1#

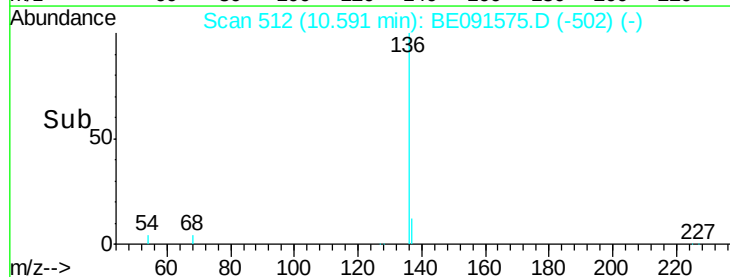
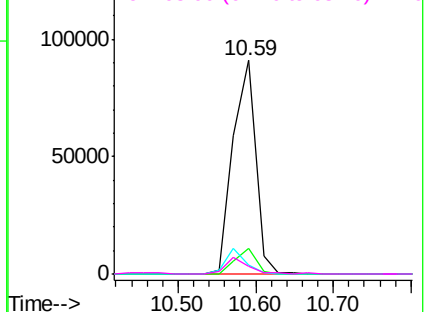


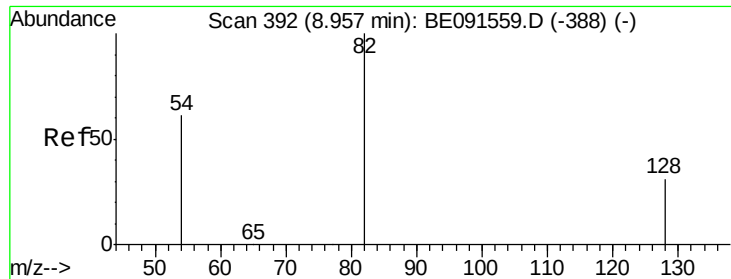
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.71 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.02 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

Instrument :

BNA_E

ClientSampleId :

MW-4

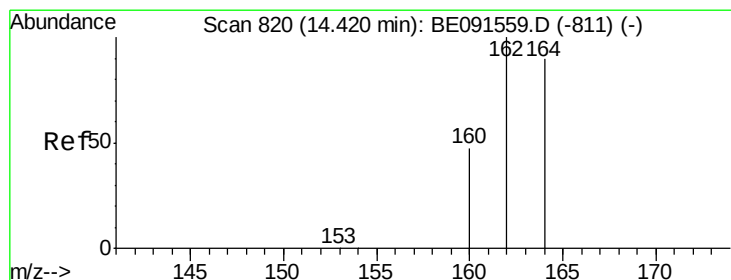
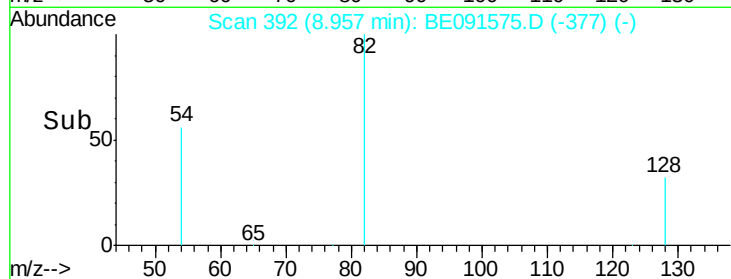
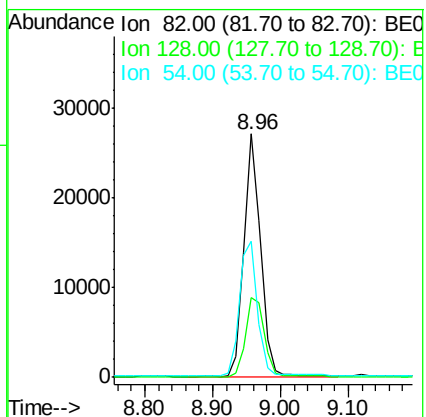
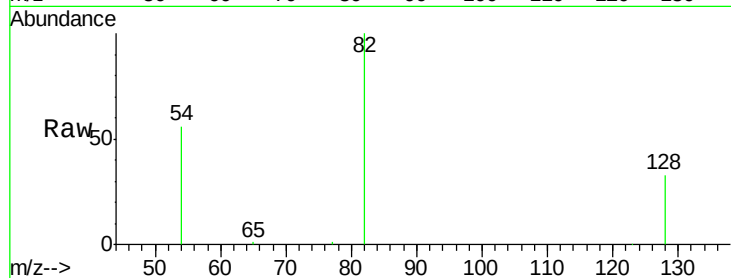
Tgt Ion: 82 Resp: 45951

Ion Ratio Lower Upper

82 100

128 32.6 23.5 35.3

54 56.1 52.4 78.6



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.03 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

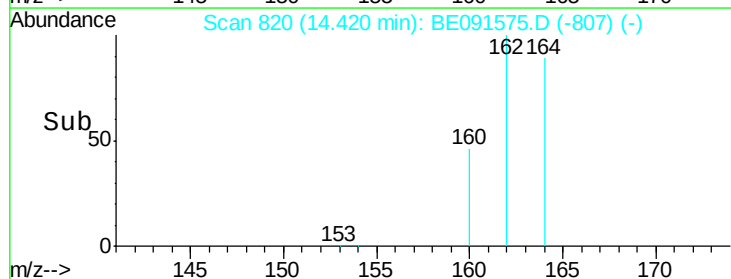
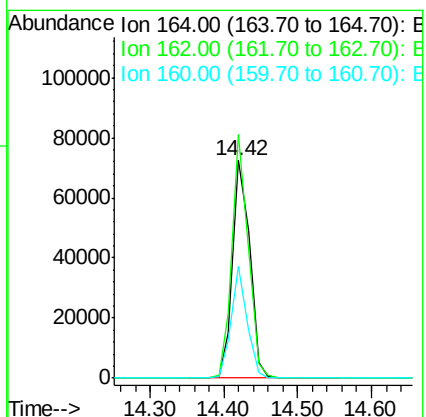
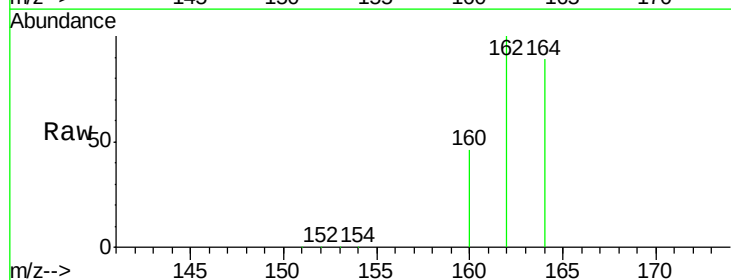
Tgt Ion: 164 Resp: 116084

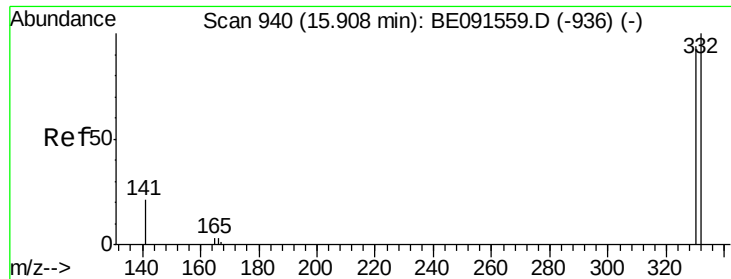
Ion Ratio Lower Upper

164 100

162 111.8 84.4 126.6

160 51.5 37.7 56.5

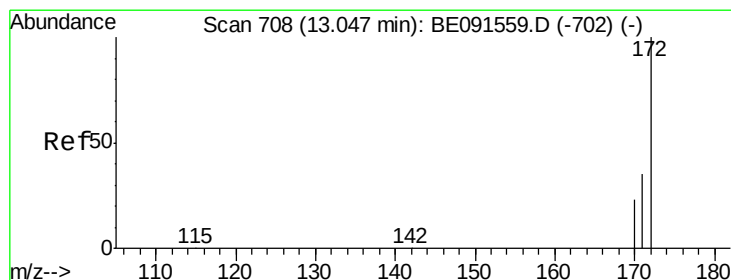
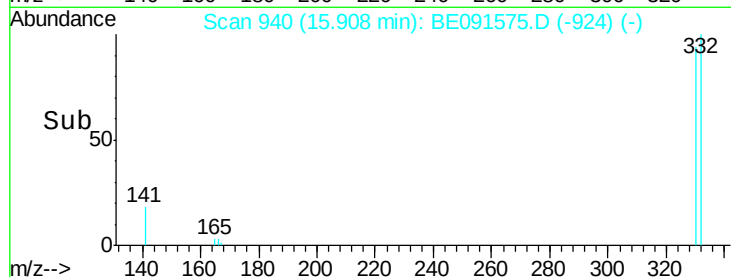
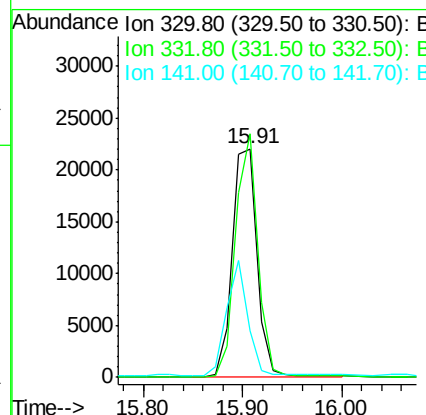
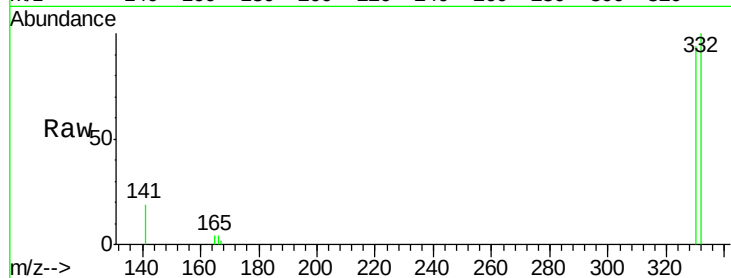




#11
 2,4,6-Tribromophenol
 Concen: 7.41 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091575.D
 Acq: 31 Mar 2016 4:08

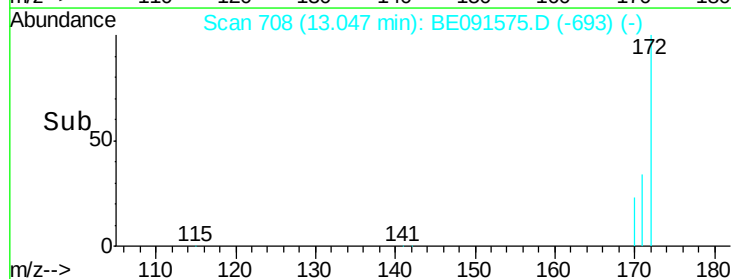
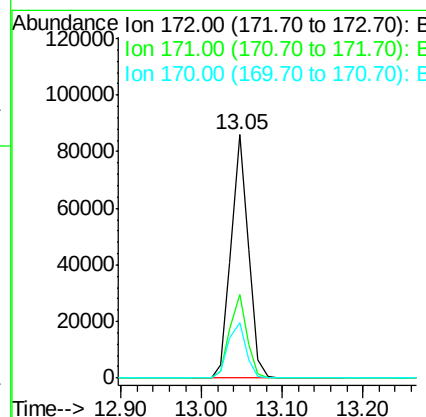
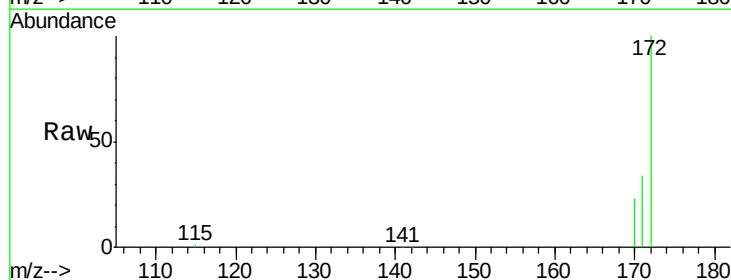
Instrument :
 BNA_E
 ClientSampleId :
 MW-4

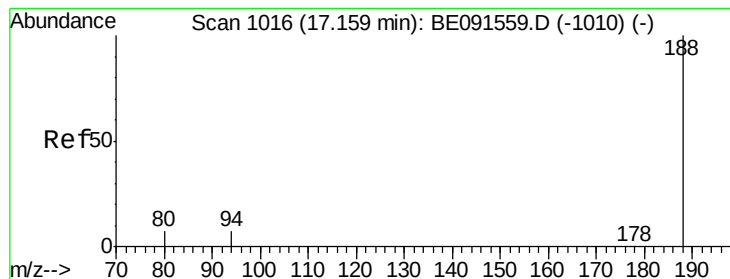
Tgt Ion:330 Resp: 38129
 Ion Ratio Lower Upper
 330 100
 332 96.2 79.2 118.8
 141 42.8 28.1 42.1#



#12
 2-Fluorobiphenyl
 Concen: 3.88 ng
 RT: 13.05 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: BE091575.D
 Acq: 31 Mar 2016 4:08

Tgt Ion:172 Resp: 127967
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.8 44.8
 170 22.8 21.4 32.2





#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.16 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

Instrument :

BNA_E

ClientSampled :

MW-4

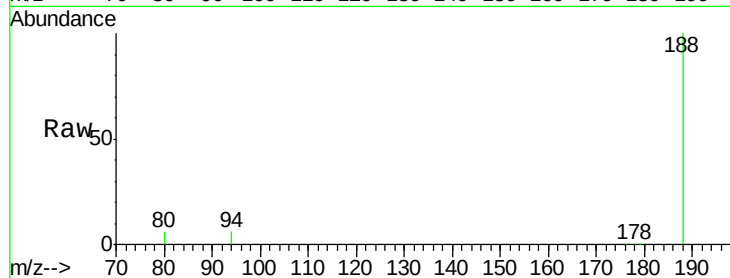
Tgt Ion:188 Resp: 285686

Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.2

80 5.6 5.0 7.4



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

250000

200000

150000

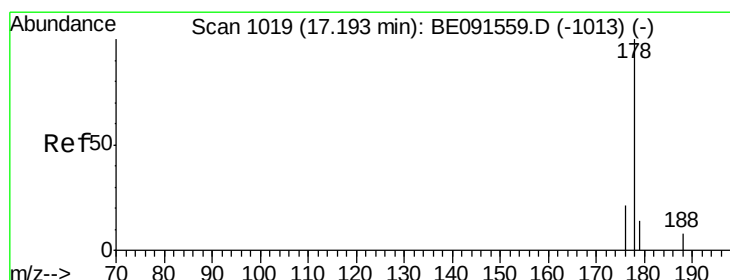
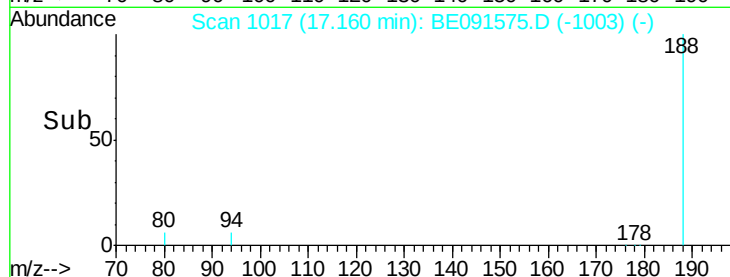
100000

50000

0

17.10 17.20

Time-->



#19

Phenanthrene

Concen: 0.03 ng

RT: 17.19 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

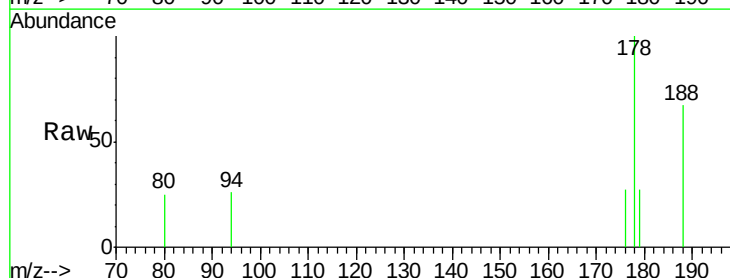
Tgt Ion:178 Resp: 2149

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 24.7 13.1 19.7#



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

2000

1500

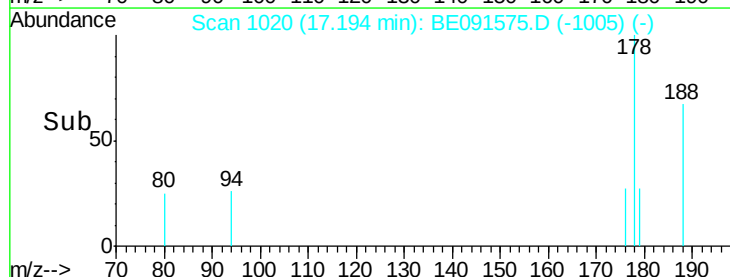
1000

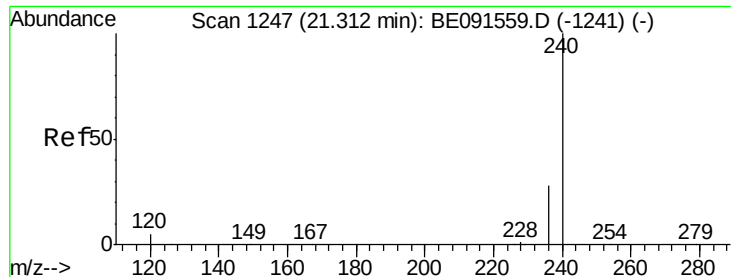
500

0

17.10 17.20

Time-->

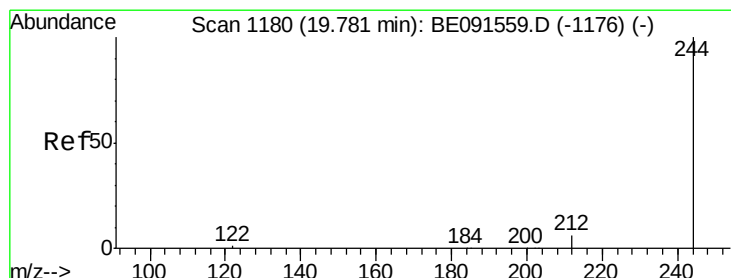
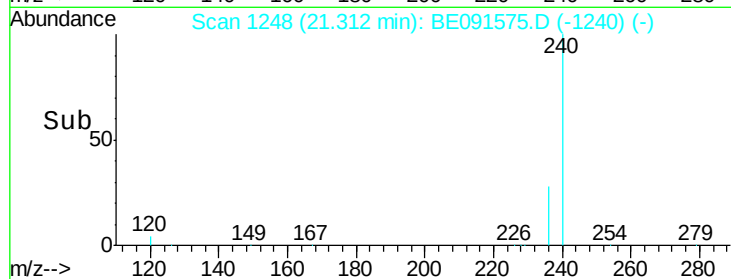
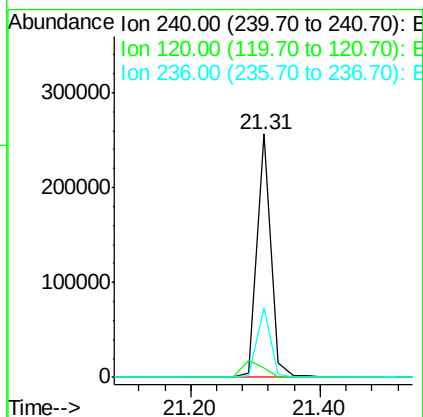
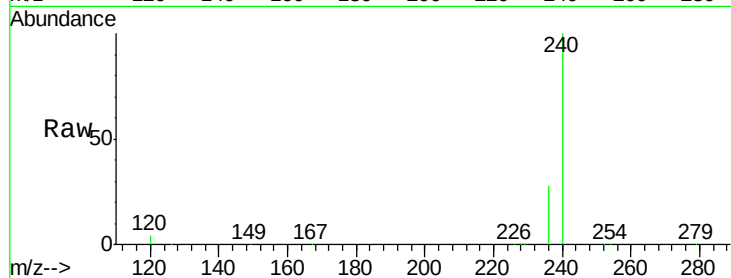




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091575.D
Acq: 31 Mar 2016 4:08

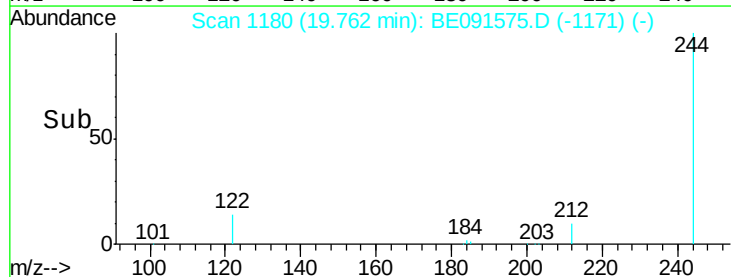
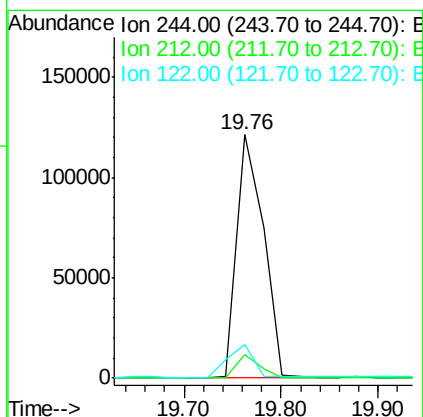
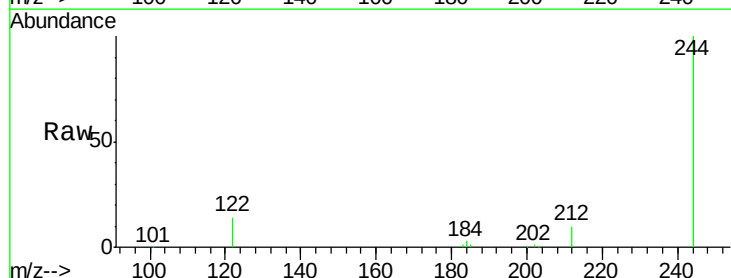
Instrument :
BNA_E
ClientSampleId :
MW-4

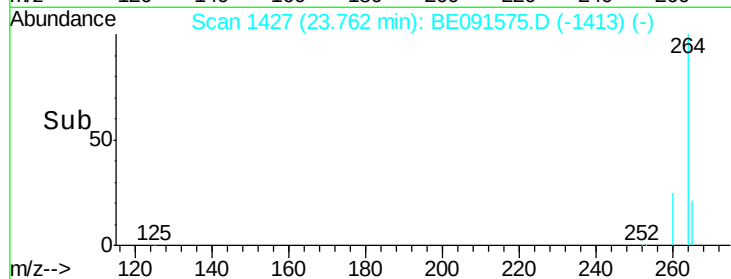
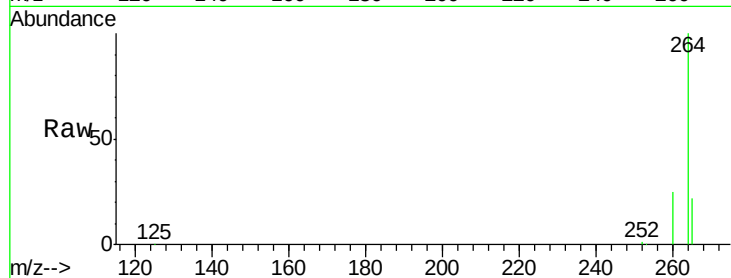
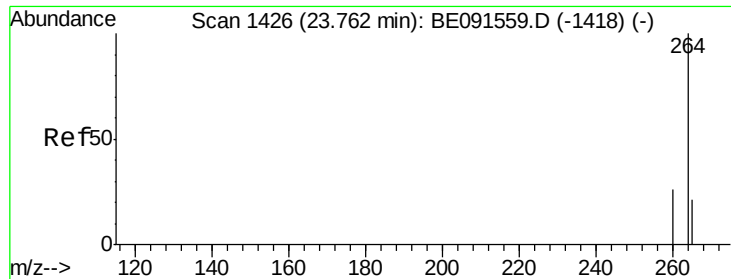
Tgt Ion:240 Resp: 387479
Ion Ratio Lower Upper
240 100
120 3.8 4.0 6.0#
236 28.4 23.0 34.4



#24
Terphenyl-d14
Concen: 4.65 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091575.D
Acq: 31 Mar 2016 4:08

Tgt Ion:244 Resp: 228865
Ion Ratio Lower Upper
244 100
212 9.9 5.8 8.8#
122 14.1 1.8 2.8#





#28

Perylene-d12

Concen: 5.00 ng

RT: 23.76 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE091575.D

Acq: 31 Mar 2016 4:08

Instrument :

BNA_E

ClientSampleId :

MW-4

Tgt Ion:264 Resp: 335160

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

265 22.0 18.3 27.5

