

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080816\
 Data File : BE092229.D
 Acq On : 8 Aug 2016 23:21
 Operator : UM/SJ
 Sample : H4383-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2-080416

Quant Time: Aug 09 03:28:07 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 18:55:30 2016
 Response via : Initial Calibration

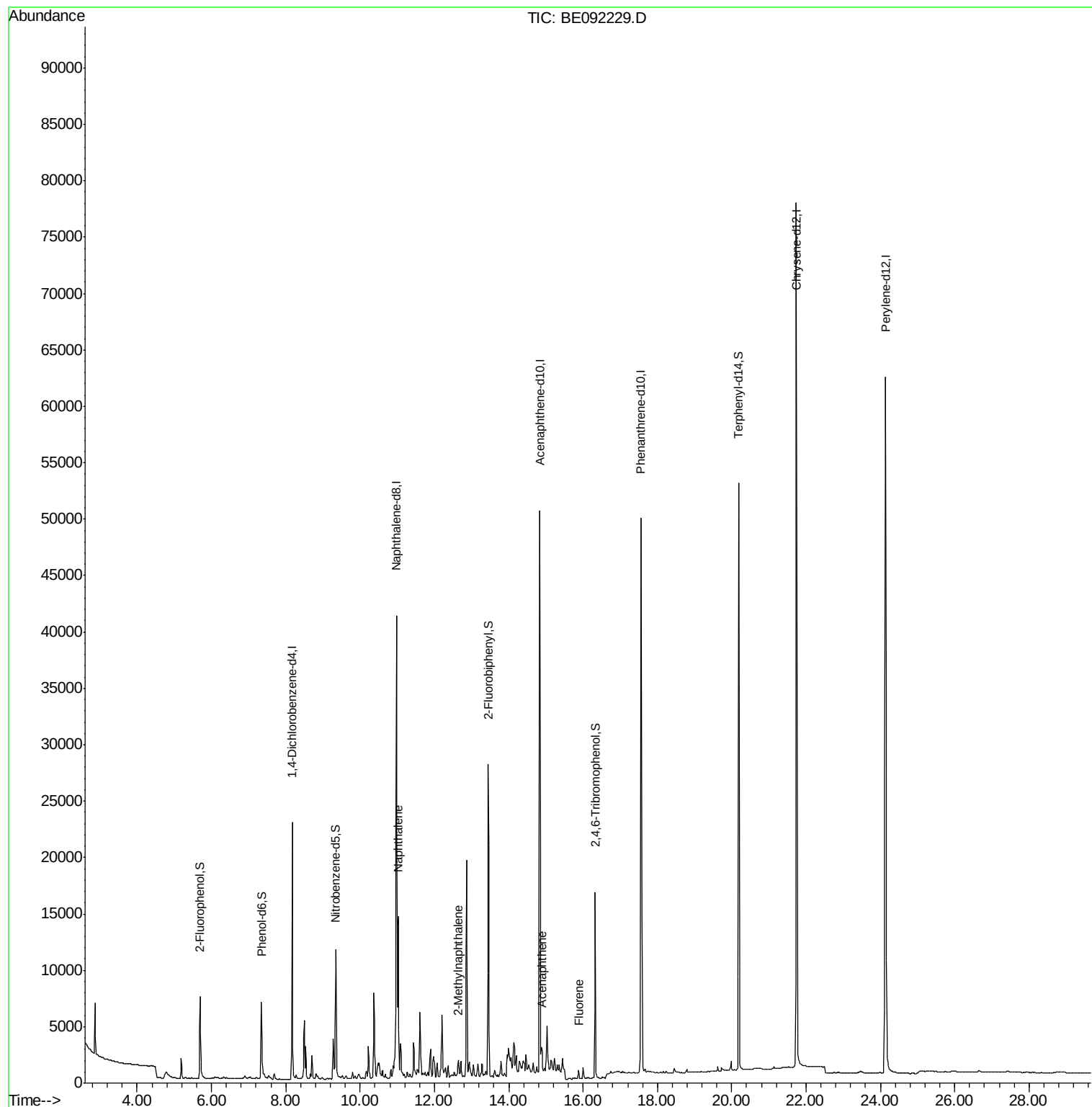
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11668	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	55790	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	31890	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	71875	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	96178	5.00	ng	-0.02
28) Perylene-d12	24.14	264	94367	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	6710	2.24	ng	0.00
5) Phenol-d6	7.35	99	9129	2.29	ng	0.00
7) Nitrobenzene-d5	9.34	82	8304	1.89	ng	-0.01
11) 2,4,6-Tribromophenol	16.32	330	10581	10.22	ng	-0.01
12) 2-Fluorobiphenyl	13.45	172	27916	2.76	ng	-0.01
24) Terphenyl-d14	20.19	244	58695	4.25	ng	-0.02
Target Compounds						
8) Naphthalene	11.03	128	21314	1.77	ng	# 93
9) 2-Methylnaphthalene	12.64	142	980	0.14	ng	# 54
14) Acenaphthene	14.90	154	515	0.06	ng	# 63
15) Fluorene	15.88	166	572	0.05	ng	# 94

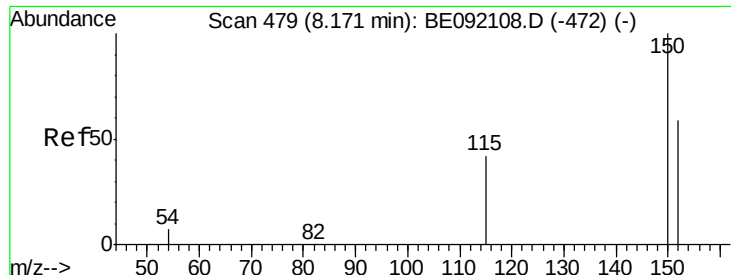
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092229.D

Acq: 8 Aug 2016 23:21

Instrument :

BNA_E

ClientSampleId :

MW-2-080416

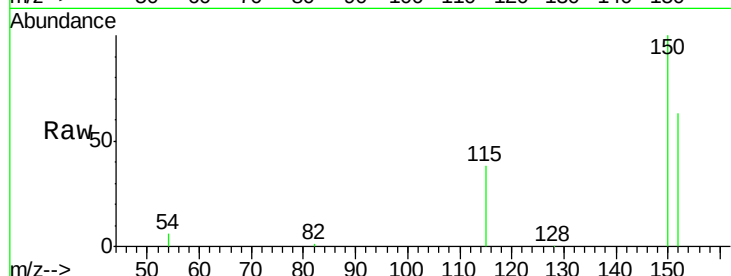
Tgt Ion:152 Resp: 11668

Ion Ratio Lower Upper

152 100

150 158.5 106.0 159.0

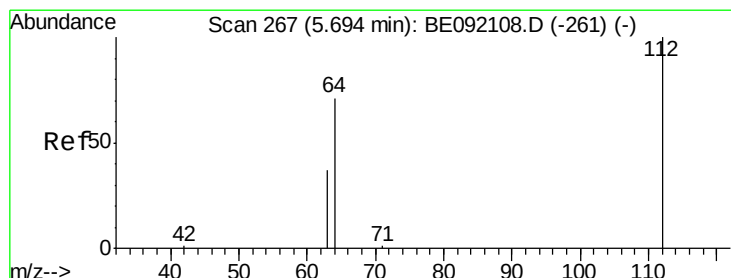
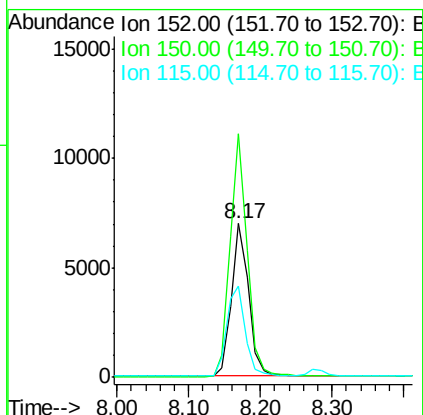
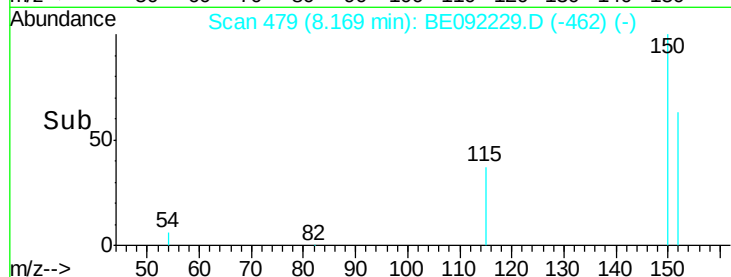
115 59.7 36.9 55.3#



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: 2.24 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

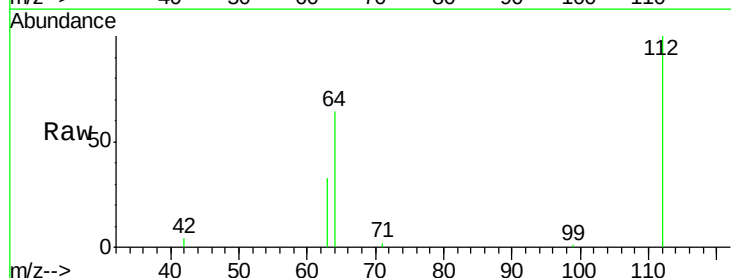
Tgt Ion:112 Resp: 6710

Ion Ratio Lower Upper

112 100

64 66.6 55.9 83.9

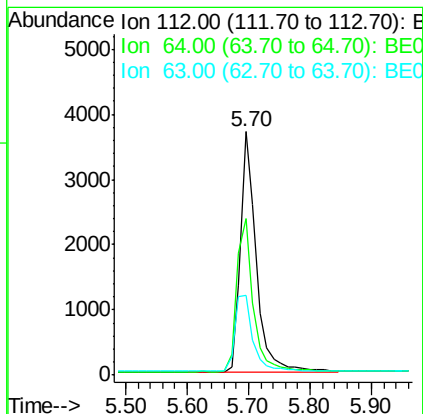
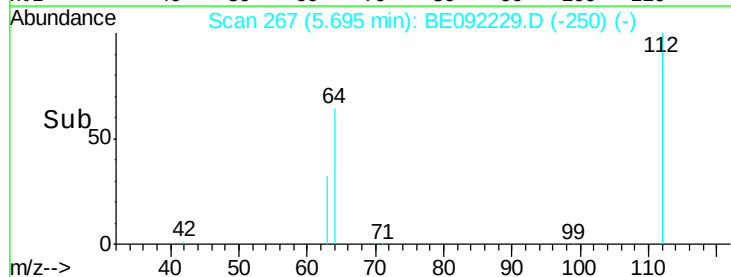
63 36.1 31.1 46.7

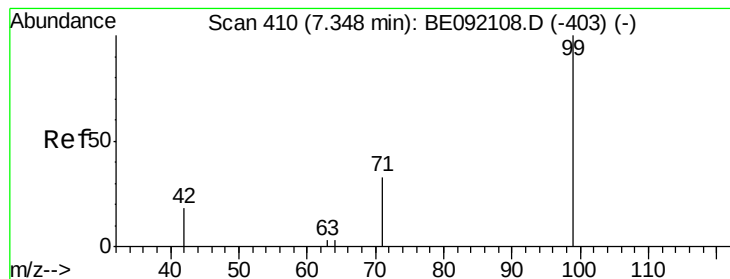


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.29 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

Instrument :

BNA_E

ClientSampleId :

MW-2-080416

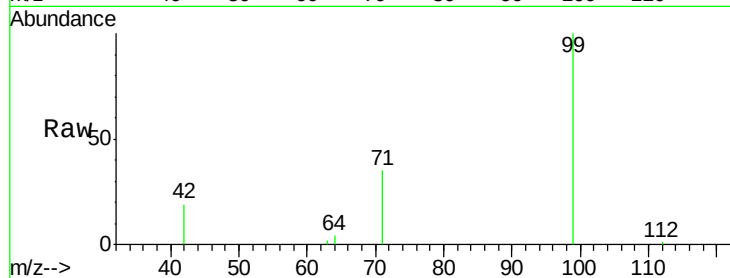
Tgt Ion: 99 Resp: 9129

Ion Ratio Lower Upper

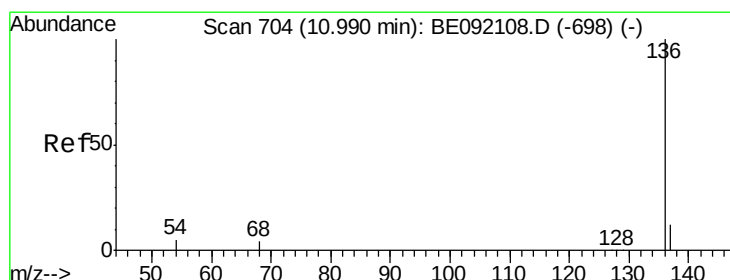
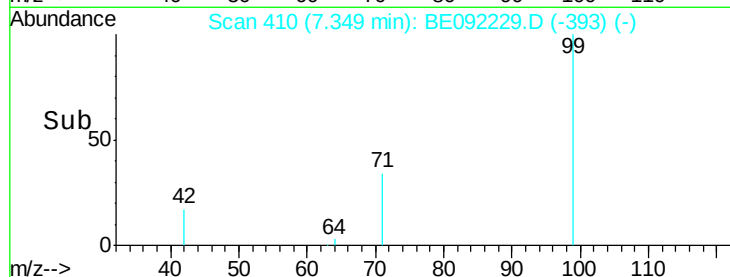
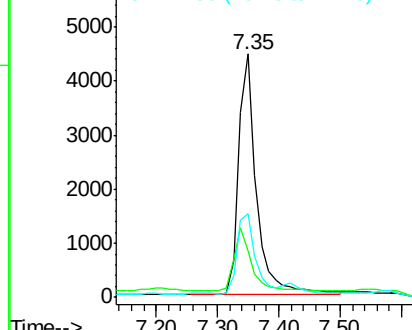
99 100

42 24.9 22.4 33.6

71 34.0 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: BE092229.D

Acq: 8 Aug 2016 23:21

Tgt Ion: 136 Resp: 55790

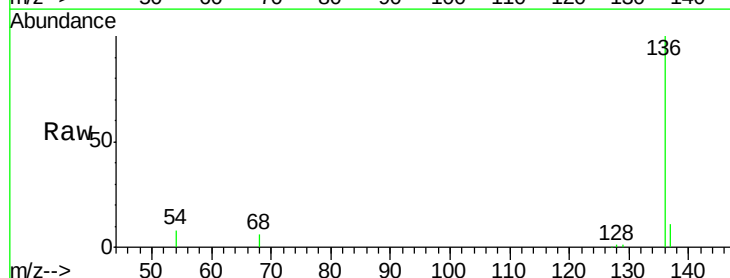
Ion Ratio Lower Upper

136 100

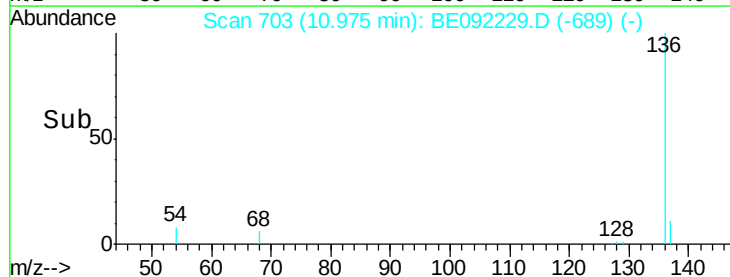
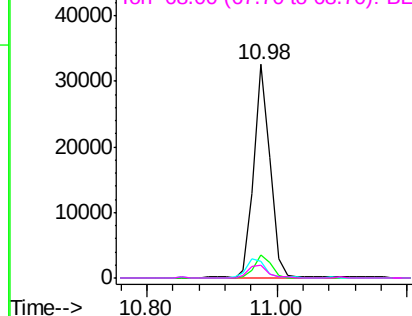
137 10.8 9.1 13.7

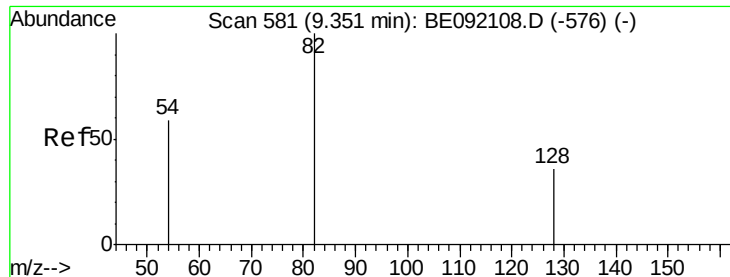
54 8.1 2.7 4.1#

68 5.9 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: 1.89 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

Instrument :

BNA_E

ClientSampleId :

MW-2-080416

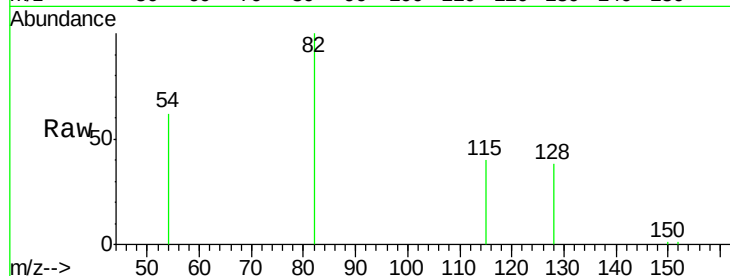
Tgt Ion: 82 Resp: 8304

Ion Ratio Lower Upper

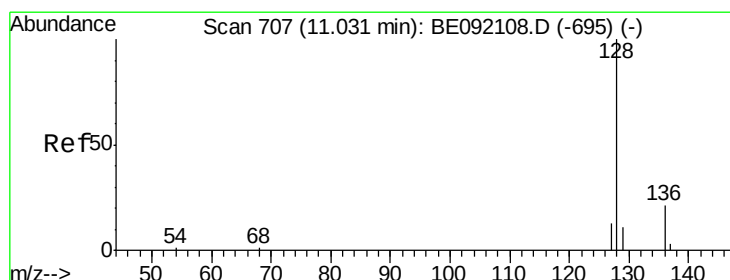
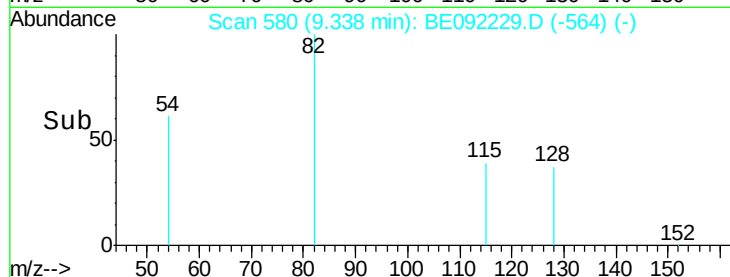
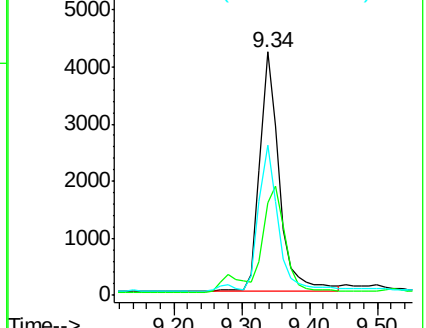
82 100

128 37.9 33.0 49.4

54 61.5 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



#8

Naphthalene

Concen: 1.77 ng

RT: 11.03 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

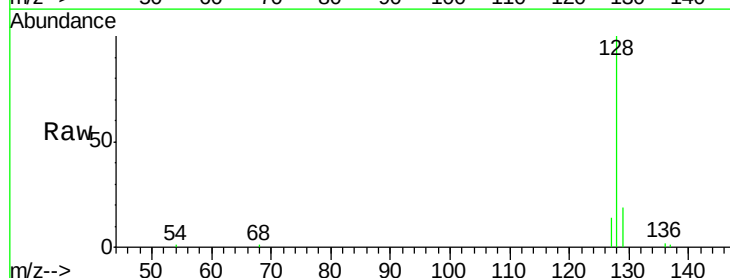
Tgt Ion: 128 Resp: 21314

Ion Ratio Lower Upper

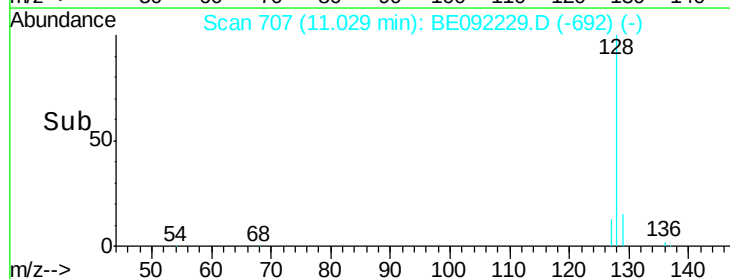
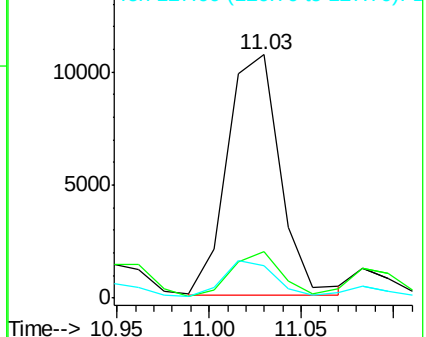
128 100

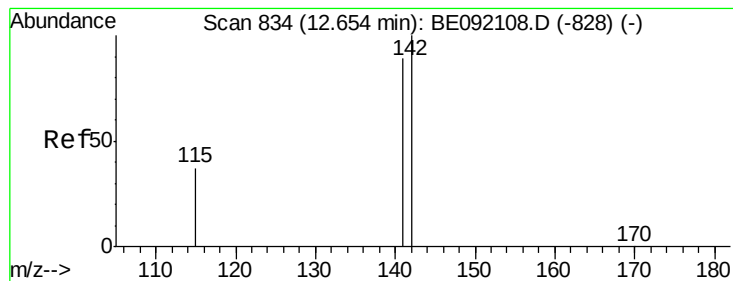
129 19.0 11.1 16.7#

127 13.5 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#9

2-Methylnaphthalene

Concen: 0.14 ng

RT: 12.64 min Scan# 833

Delta R.T. -0.01 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

Instrument :

BNA_E

ClientSampleId :

MW-2-080416

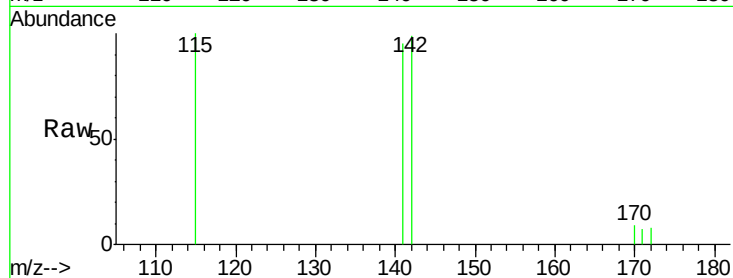
Tgt Ion:142 Resp: 980

Ion Ratio Lower Upper

142 100

141 96.1 65.1 97.7

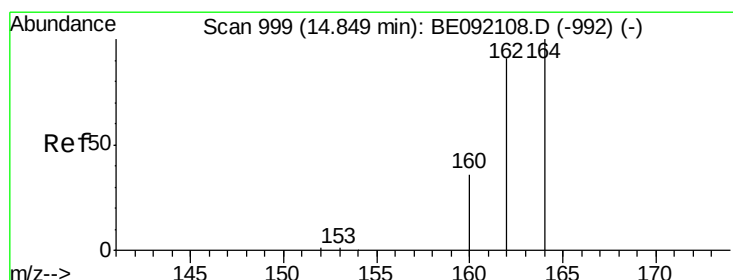
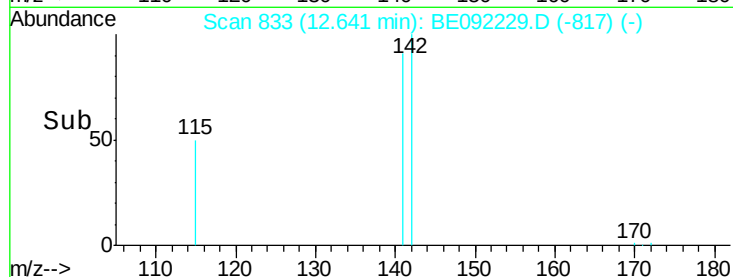
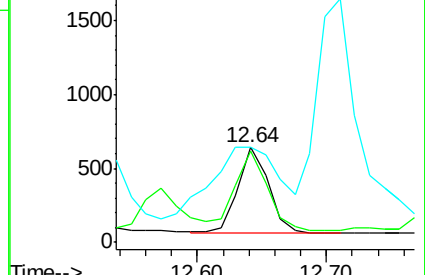
115 100.8 27.0 40.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

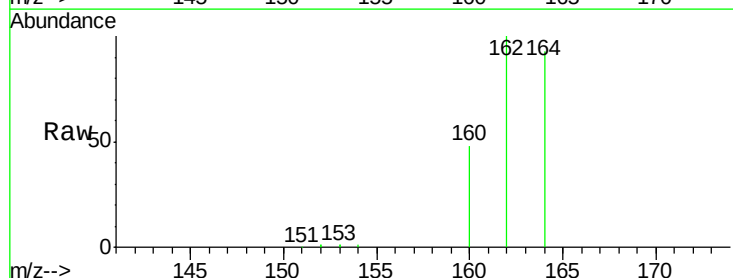
Tgt Ion:164 Resp: 31890

Ion Ratio Lower Upper

164 100

162 108.1 69.5 104.3#

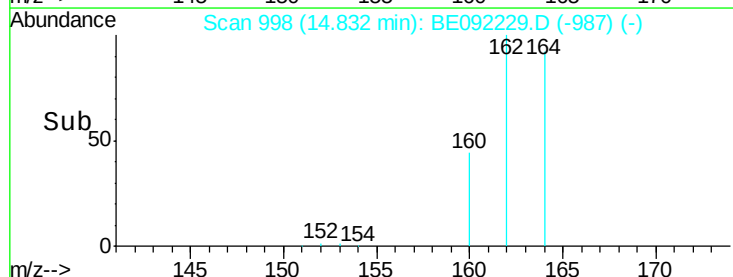
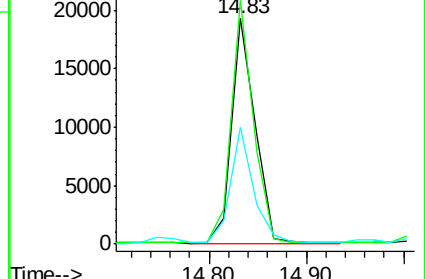
160 51.7 27.6 41.4#

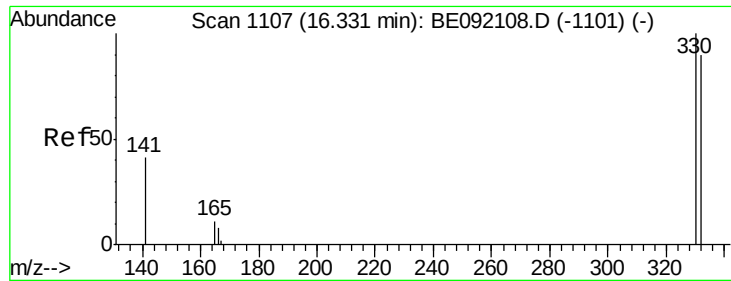


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

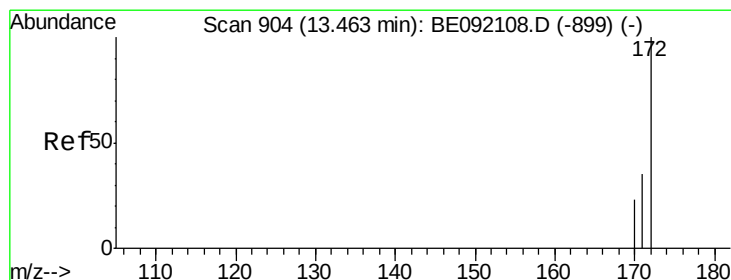
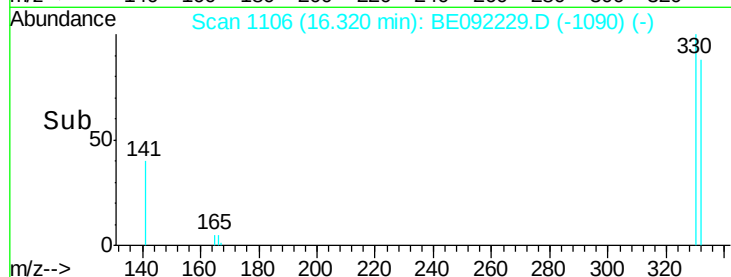
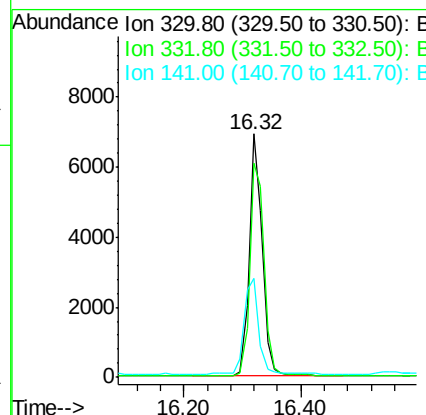
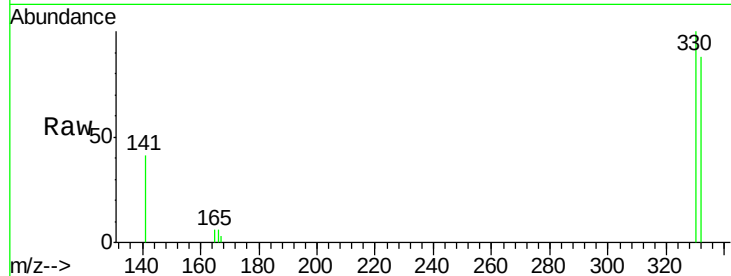




#11
 2,4,6-Tribromophenol
 Concen: 10.22 ng
 RT: 16.32 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: BE092229.D
 Acq: 8 Aug 2016 23:21

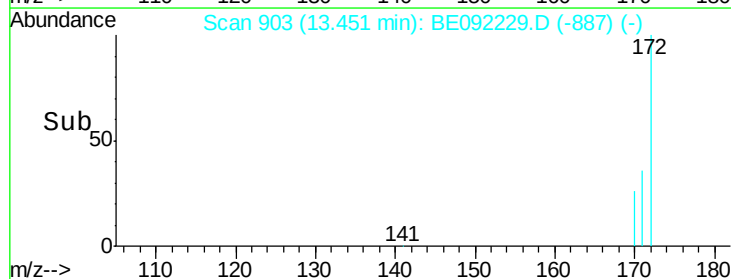
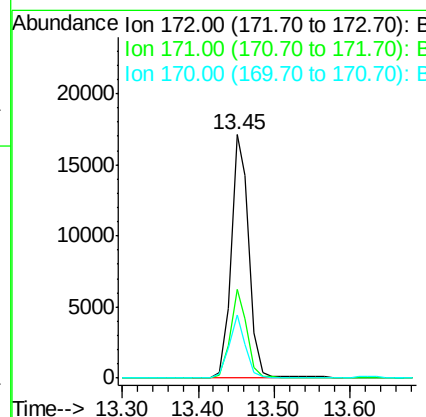
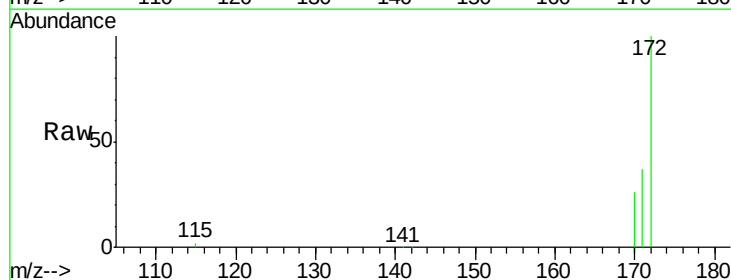
Instrument :
 BNA_E
 ClientSampleId :
 MW-2-080416

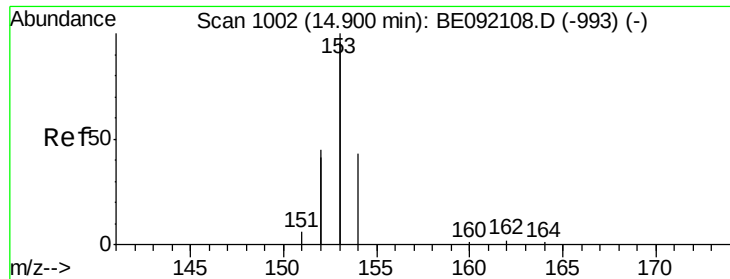
Tgt Ion:330 Resp: 10581
 Ion Ratio Lower Upper
 330 100
 332 96.5 74.2 111.4
 141 45.7 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 2.76 ng
 RT: 13.45 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BE092229.D
 Acq: 8 Aug 2016 23:21

Tgt Ion:172 Resp: 27916
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.3 45.5
 170 26.0 21.6 32.4





#14

Acenaphthene

Concen: 0.06 ng

RT: 14.90 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

Instrument :

BNA_E

ClientSampleId :

MW-2-080416

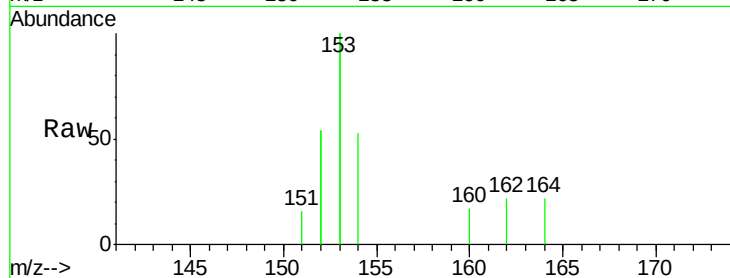
Tgt Ion:154 Resp: 515

Ion Ratio Lower Upper

154 100

153 475.9 345.1 517.7

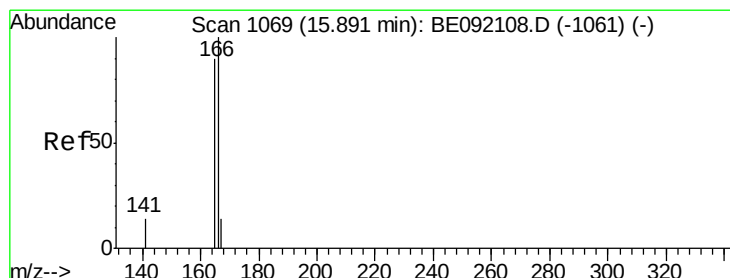
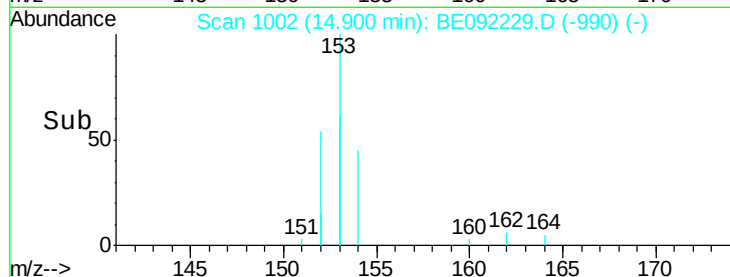
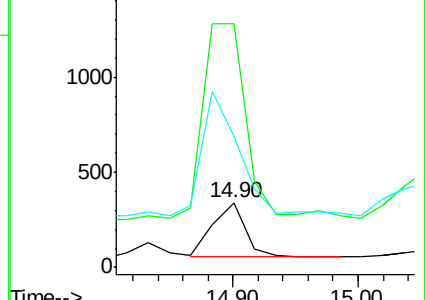
152 340.2 176.0 264.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#15

Fluorene

Concen: 0.05 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

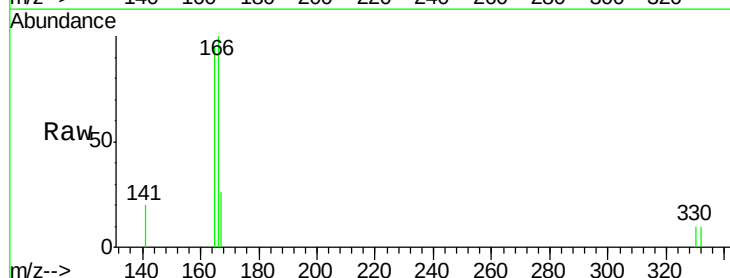
Tgt Ion:166 Resp: 572

Ion Ratio Lower Upper

166 100

165 94.6 78.6 118.0

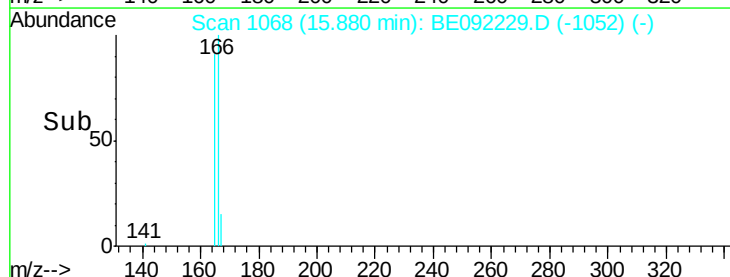
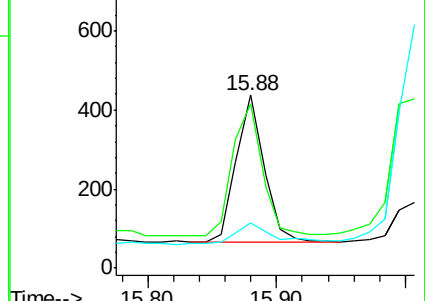
167 21.7 11.1 16.7#

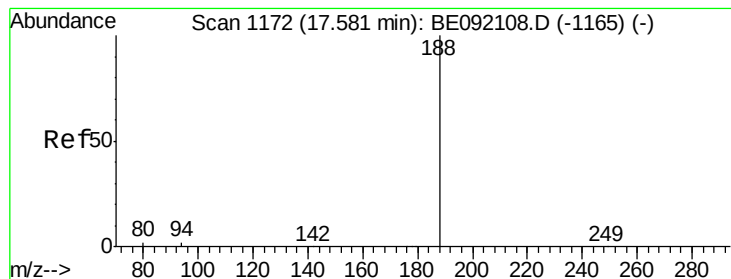


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

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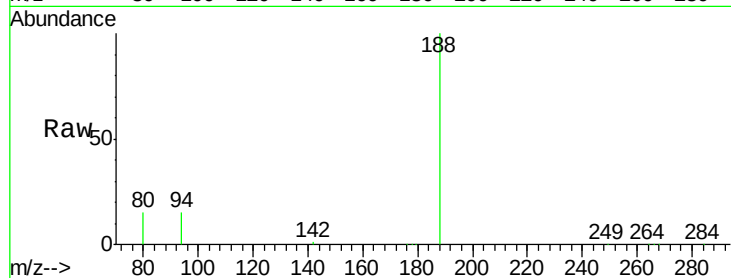
Tgt Ion:188 Resp: 71875

Ion Ratio Lower Upper

188 100

94 14.9 3.9 5.9#

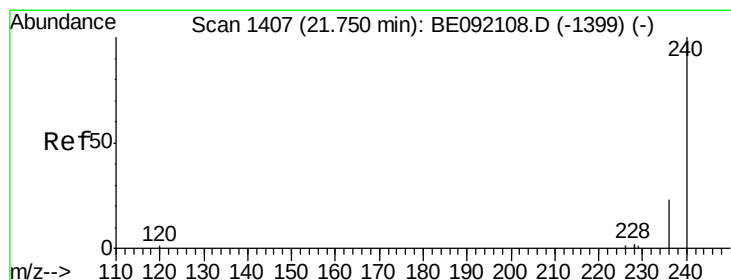
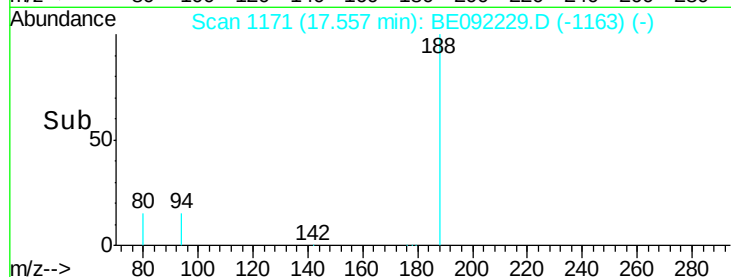
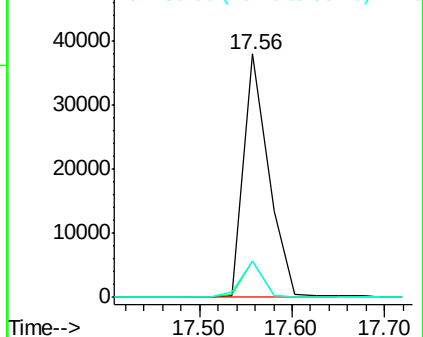
80 15.1 3.4 5.0#



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

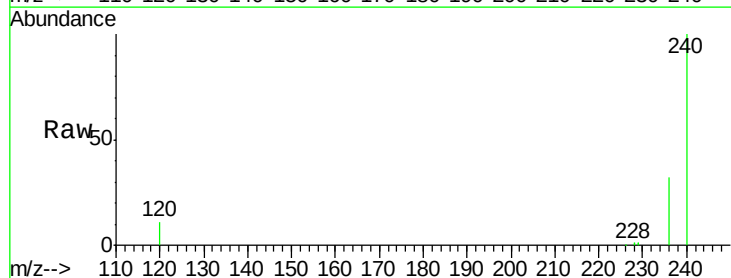
Tgt Ion:240 Resp: 96178

Ion Ratio Lower Upper

240 100

120 10.9 0.6 1.0#

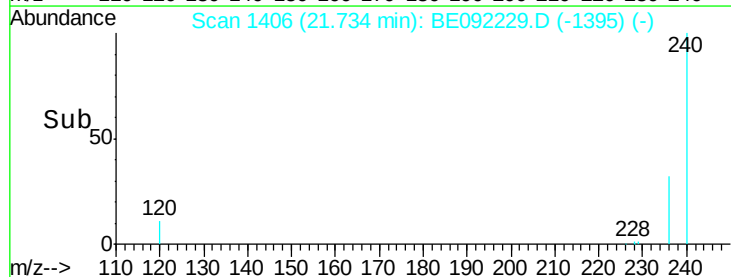
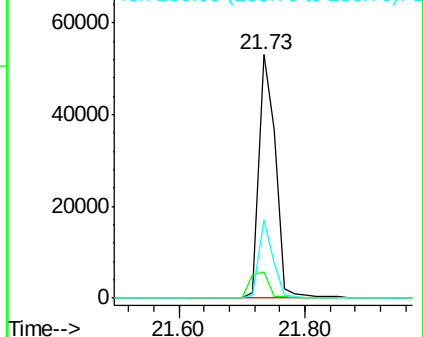
236 32.0 18.2 27.4#

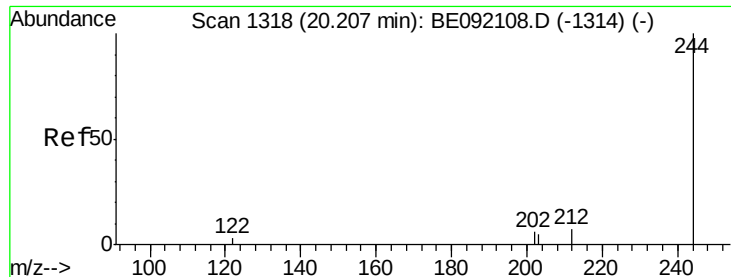


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.25 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092229.D

Acq: 8 Aug 2016 23:21

Instrument :

BNA_E

ClientSampleId :

MW-2-080416

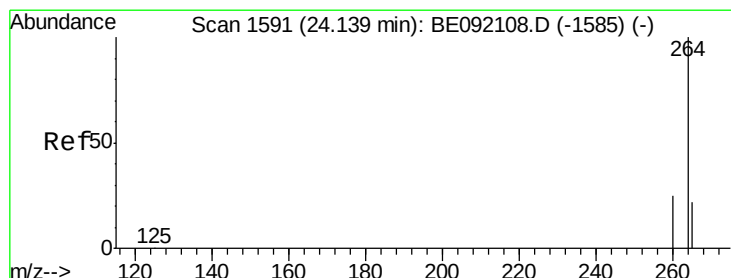
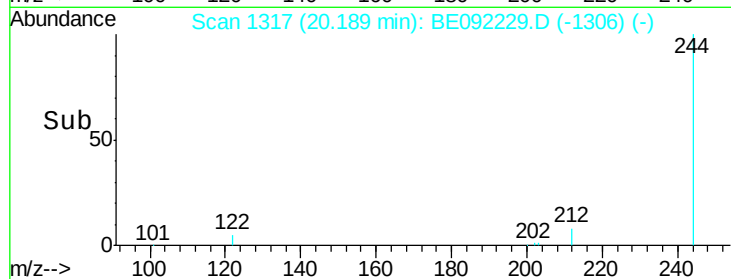
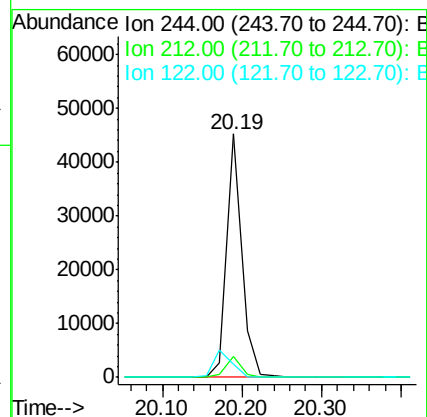
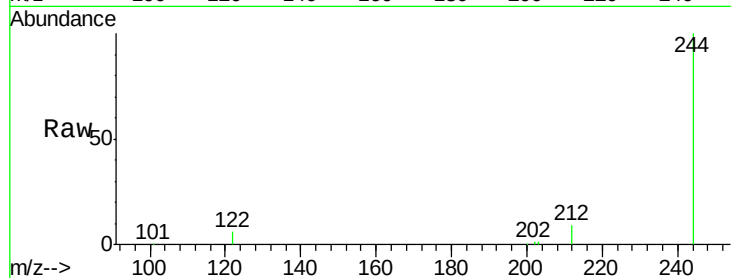
Tgt Ion:244 Resp: 58695

Ion Ratio Lower Upper

244 100

212 8.6 9.1 13.7#

122 5.5 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: BE092229.D

Acq: 8 Aug 2016 23:21

Tgt Ion:264 Resp: 94367

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.5 16.6 25.0

