

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092163.D
 Acq On : 4 Aug 2016 2:23
 Operator : UM/SJ
 Sample : H4227-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160725

Quant Time: Aug 04 03:58:54 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

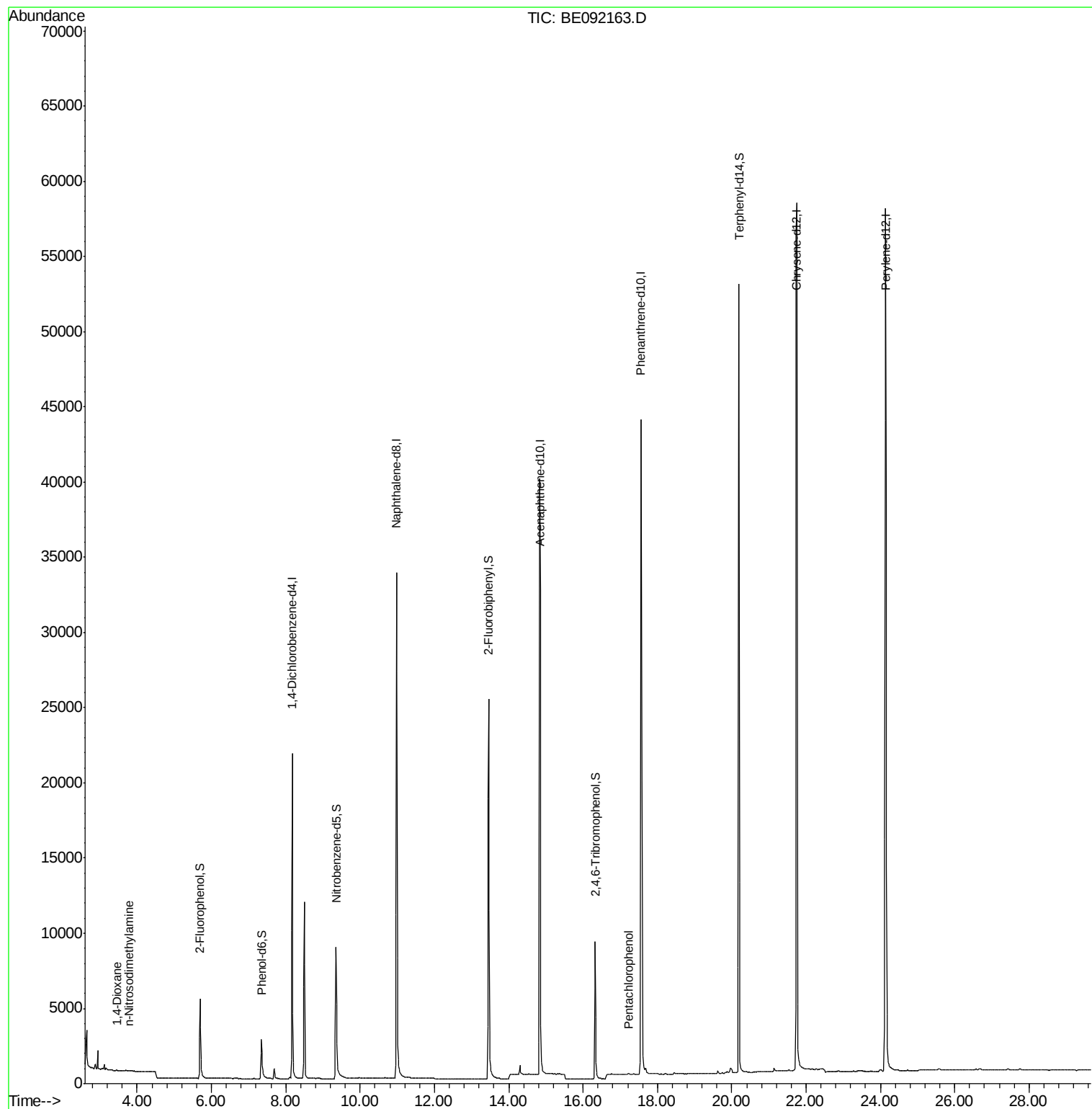
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11529	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	54857	5.00	ng	-0.01
10) Acenaphthene-d10	14.85	164	31534	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	73165	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	89100	5.00	ng	0.00
28) Perylene-d12	24.14	264	84738	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	4992	1.69	ng	0.00
5) Phenol-d6	7.35	99	3890	0.99	ng	0.00
7) Nitrobenzene-d5	9.35	82	11224	2.59	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	6389	6.24	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29337	2.94	ng	0.00
24) Terphenyl-d14	20.19	244	61474	4.80	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	65	0.04	ng	# 55
3) n-Nitrosodimethylamine	3.78	42	6	0.09	ng	# 20
8) Naphthalene	11.03	128	60	Below Cal		# 1
18) Pentachlorophenol	17.24	266	47	0.23	ng	# 77
19) Phenanthrene	17.60	178	171	Below Cal		# 80
30) Benzo(k)fluoranthene	23.46	252	51	Below Cal		# 1

(#) = 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: BE092163.D

Acq: 4 Aug 2016 2:23

Instrument :

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ClientSampleId :

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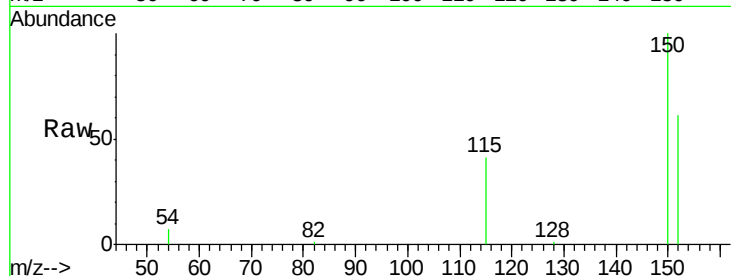
Tgt Ion:152 Resp: 11529

Ion Ratio Lower Upper

152 100

150 163.8 106.0 159.0#

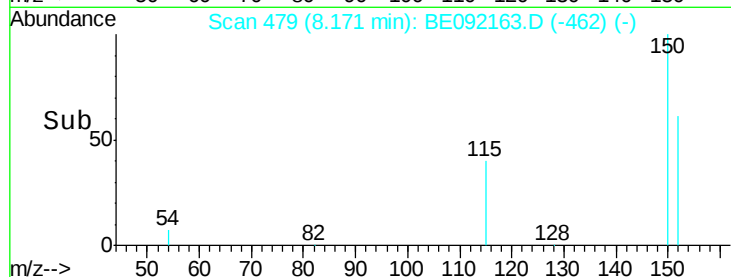
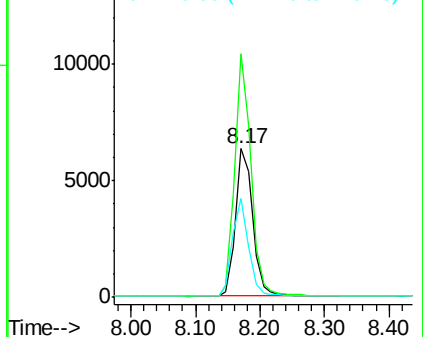
115 66.8 36.9 55.3#



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: 0.04 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

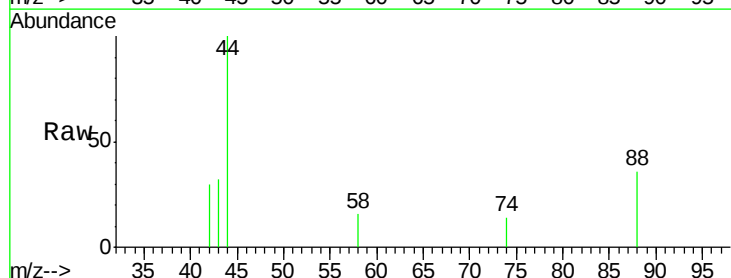
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

58 36.9 62.1 93.1#

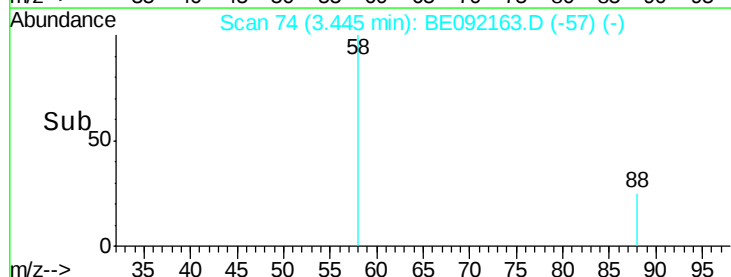
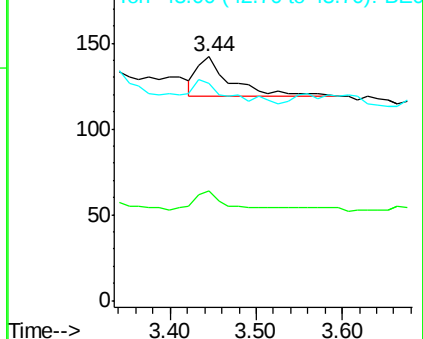
43 56.9 27.2 40.8#

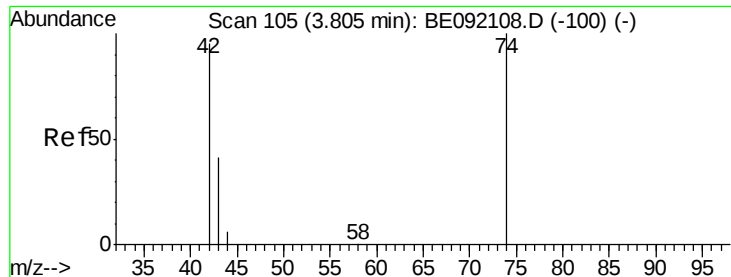


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



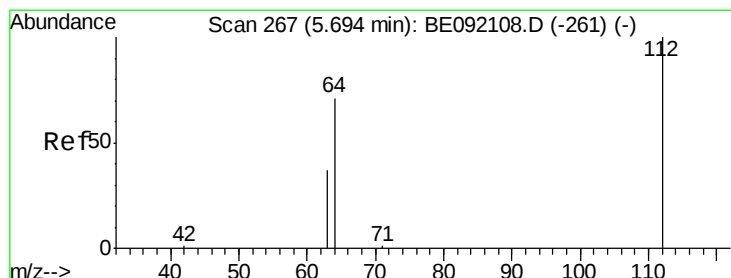
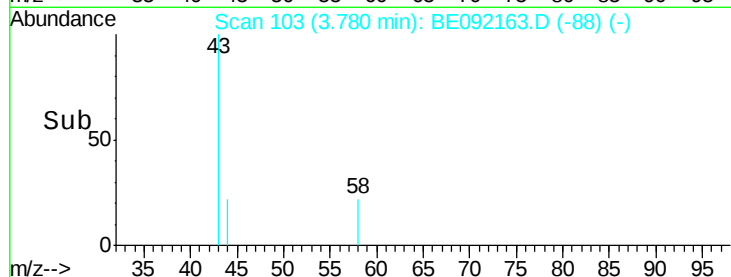
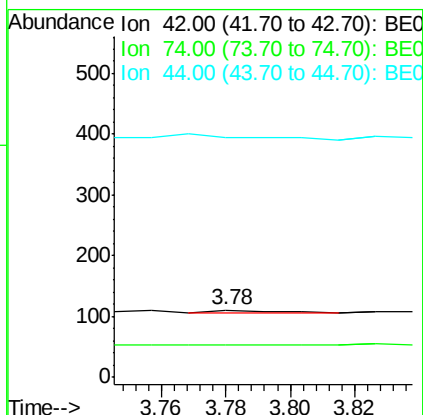
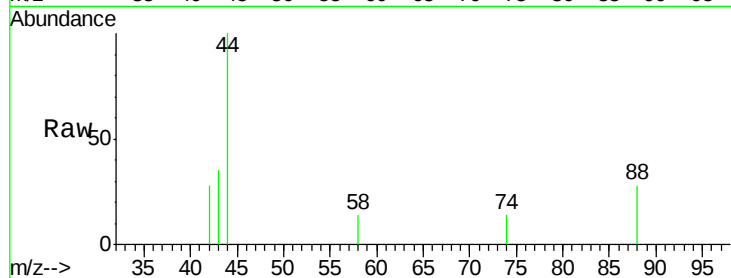


#3

n-Nitrosodimethylamine
 Concen: 0.09 ng
 RT: 3.78 min Scan# 103
 Delta R.T. -0.02 min
 Lab File: BE092163.D
 Acq: 4 Aug 2016 2:23

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160725

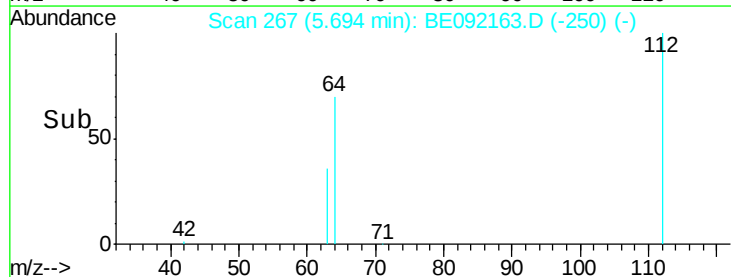
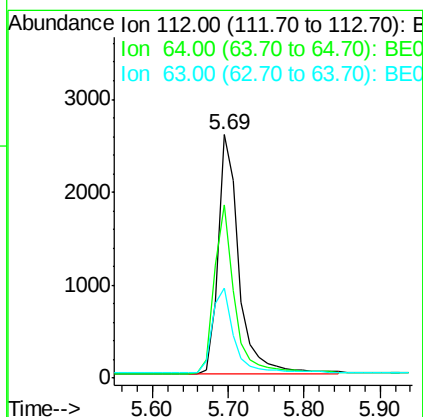
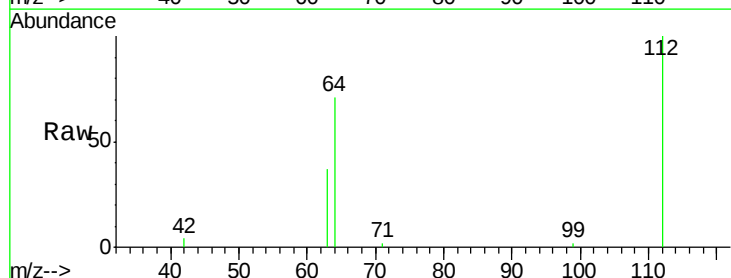
Tgt Ion: 42 Resp: 6
 Ion Ratio Lower Upper
 42 100
 74 16.7 82.8 124.2#
 44 0.0 9.0 13.4#

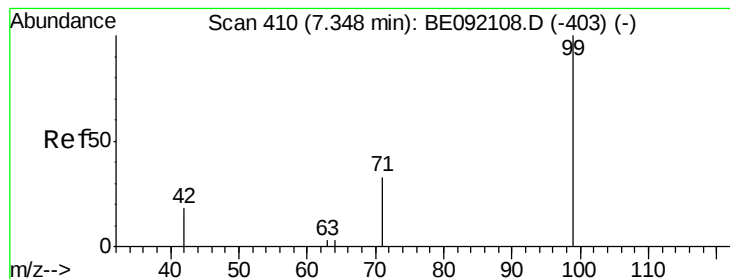


#4

2-Fluorophenol
 Concen: 1.69 ng
 RT: 5.69 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: BE092163.D
 Acq: 4 Aug 2016 2:23

Tgt Ion: 112 Resp: 4992
 Ion Ratio Lower Upper
 112 100
 64 67.7 55.9 83.9
 63 36.3 31.1 46.7





#5

Phenol-d6

Concen: 0.99 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

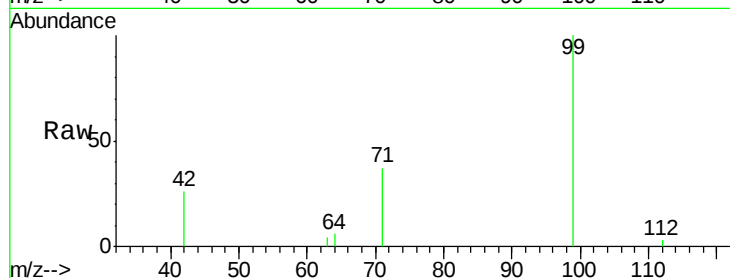
Tgt Ion: 99 Resp: 3890

Ion Ratio Lower Upper

99 100

42 24.7 22.4 33.6

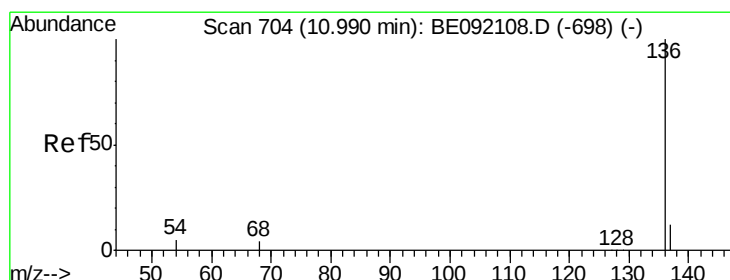
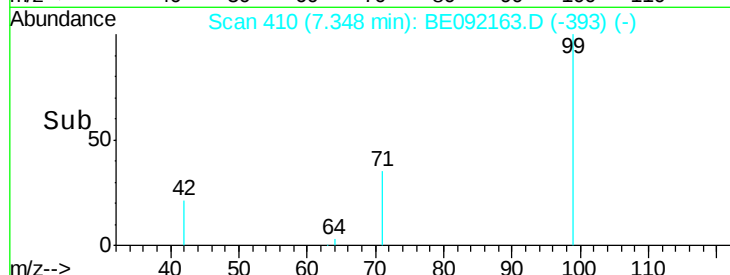
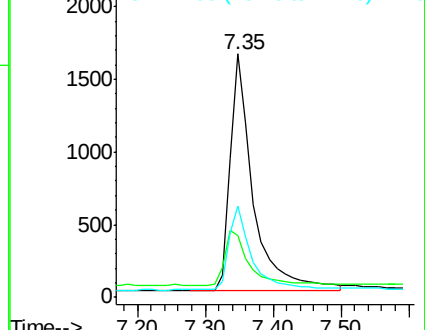
71 35.2 28.9 43.3



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: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

Tgt Ion: 136 Resp: 54857

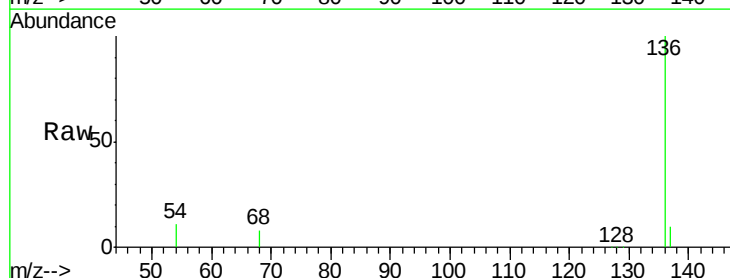
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 10.7 2.7 4.1#

68 7.6 2.2 3.4#

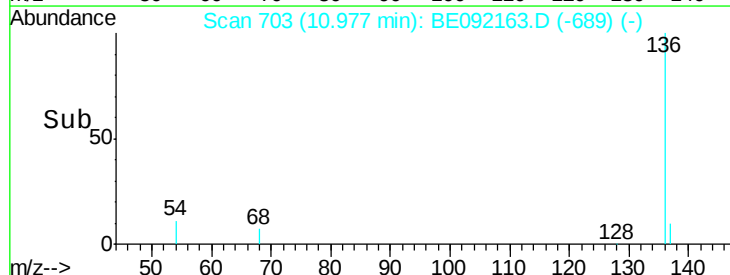
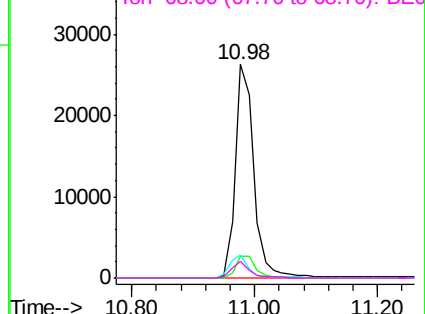


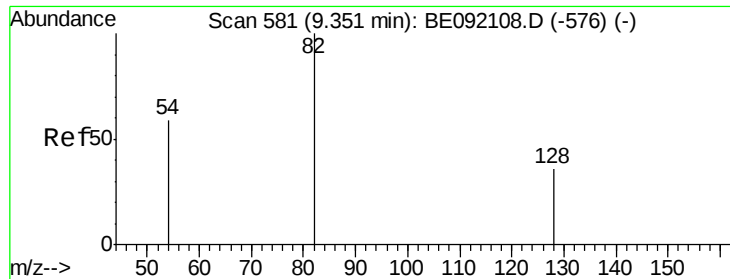
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.59 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

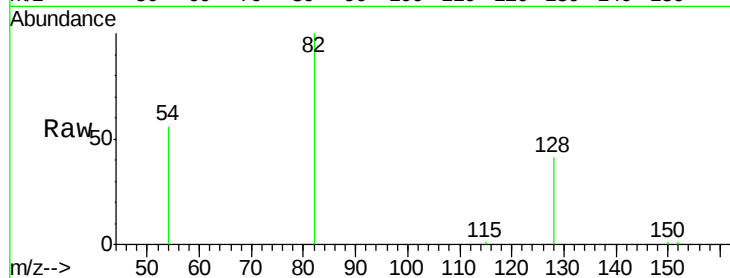
Tgt Ion: 82 Resp: 11224

Ion Ratio Lower Upper

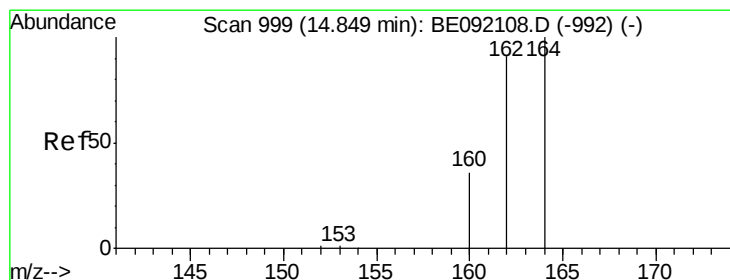
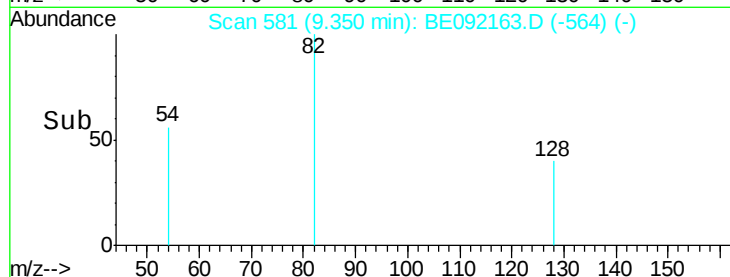
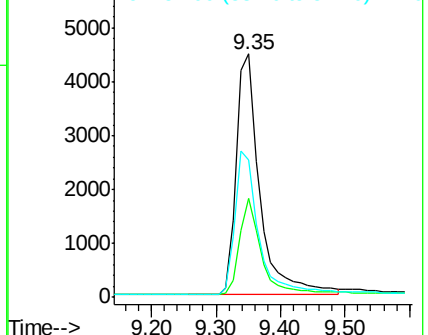
82 100

128 40.9 33.0 49.4

54 56.4 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: 14.85 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

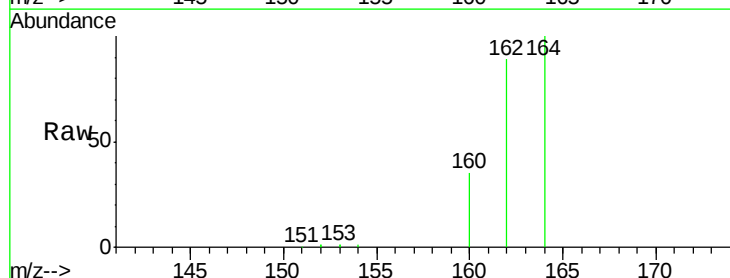
Tgt Ion: 164 Resp: 31534

Ion Ratio Lower Upper

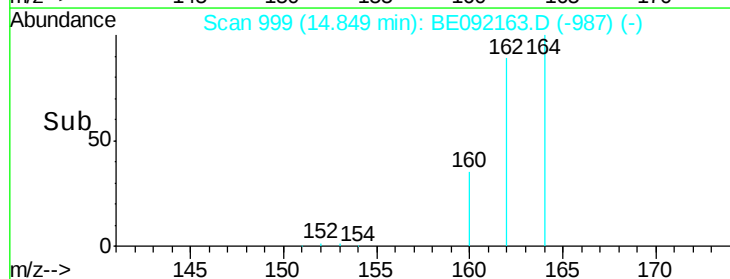
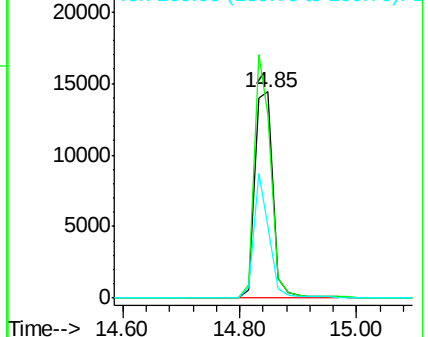
164 100

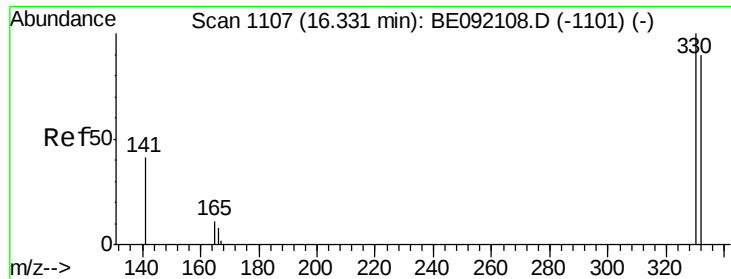
162 89.2 69.5 104.3

160 34.9 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

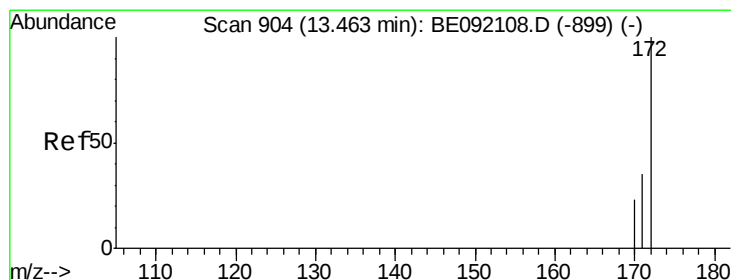
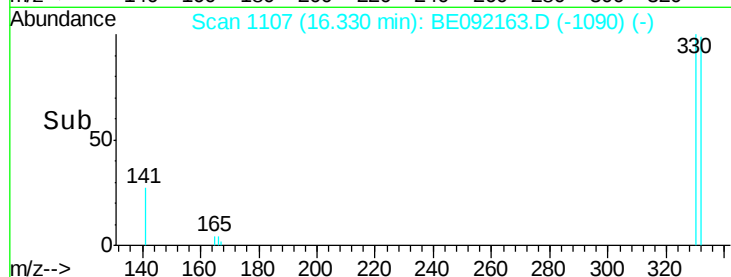
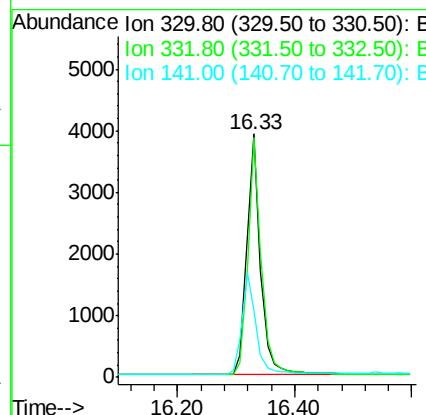
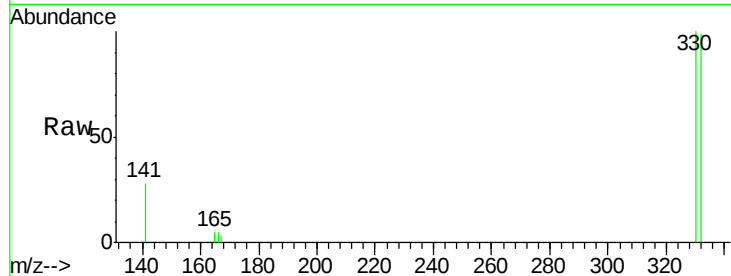




#11
 2,4,6-Tribromophenol
 Concen: 6.24 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092163.D
 Acq: 4 Aug 2016 2:23

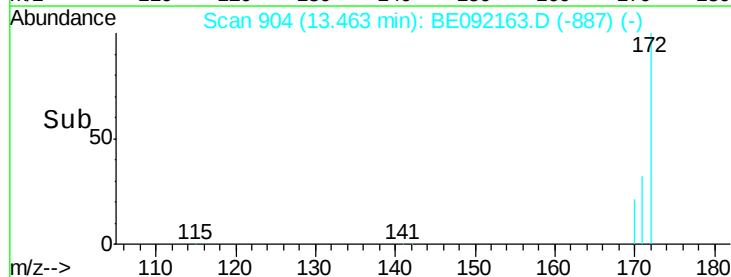
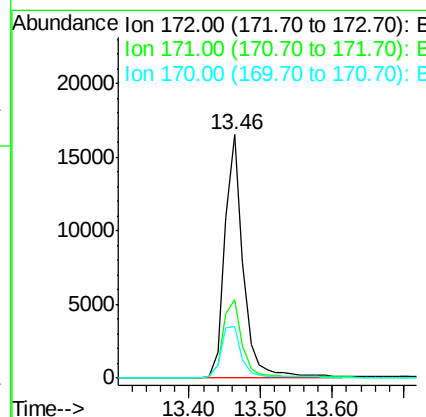
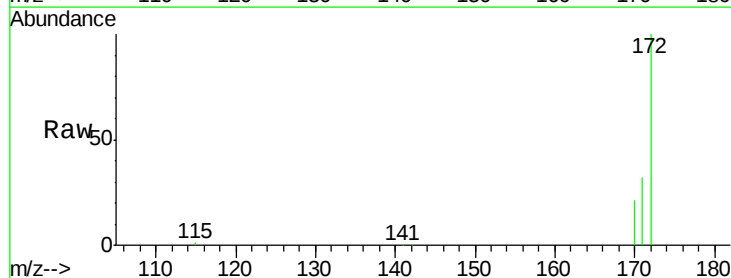
Instrument :
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 KY038PS038-160725

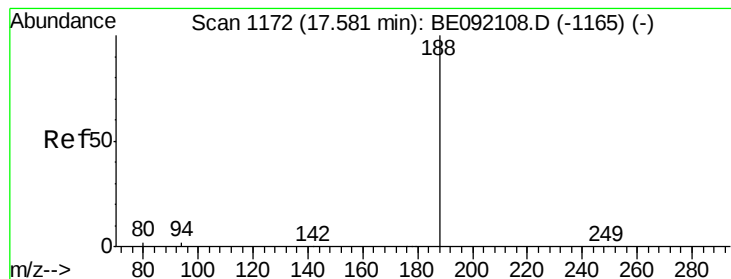
Tgt Ion:330 Resp: 6389
 Ion Ratio Lower Upper
 330 100
 332 96.8 74.2 111.4
 141 42.1 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 2.94 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092163.D
 Acq: 4 Aug 2016 2:23

Tgt Ion:172 Resp: 29337
 Ion Ratio Lower Upper
 172 100
 171 32.4 30.3 45.5
 170 21.0 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: BE092163.D

Acq: 4 Aug 2016 2:23

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

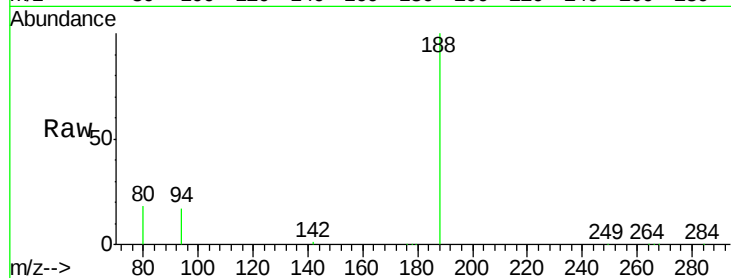
Tgt Ion:188 Resp: 73165

Ion Ratio Lower Upper

188 100

94 17.3 3.9 5.9#

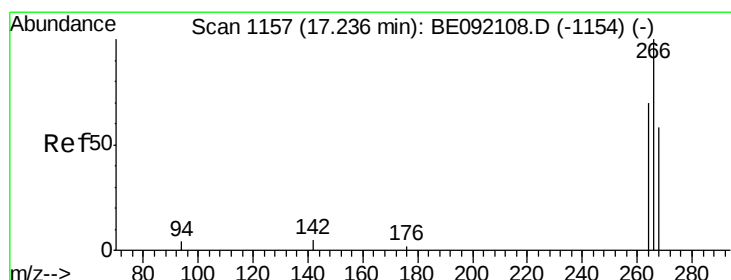
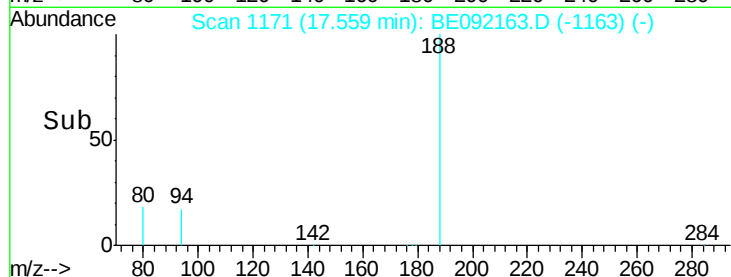
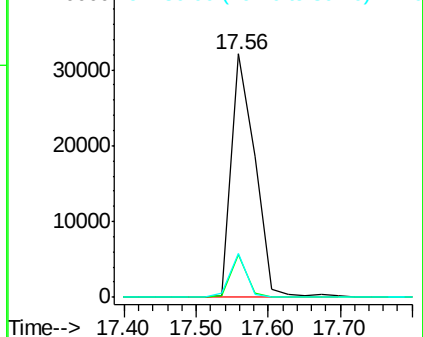
80 18.3 3.4 5.0#



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: 0.23 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

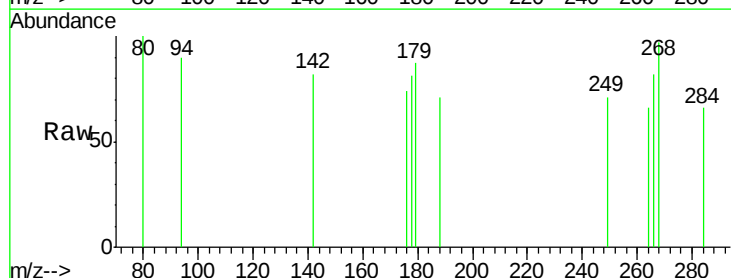
Tgt Ion:266 Resp: 47

Ion Ratio Lower Upper

266 100

268 117.9 62.7 94.1#

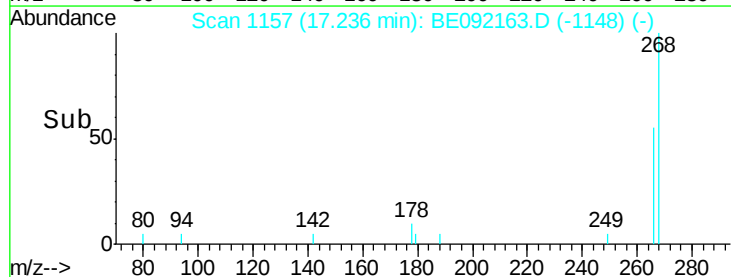
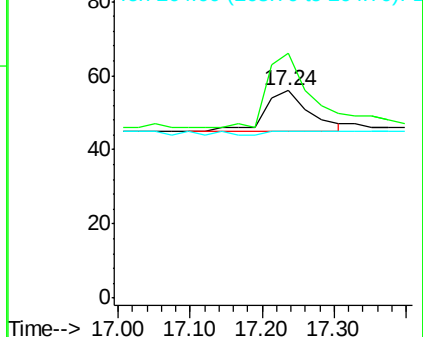
264 80.4 63.5 95.3

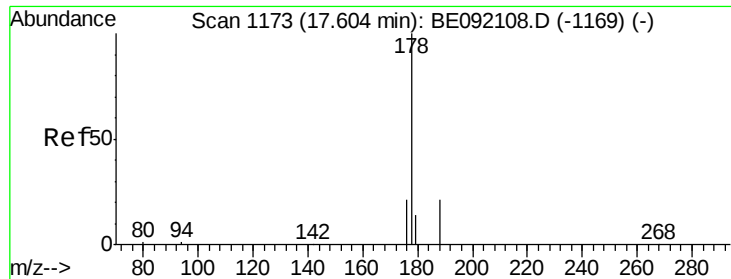


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#19

Phenanthrene

Concen: Below Cal

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

Instrument :

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KY038PS038-160725

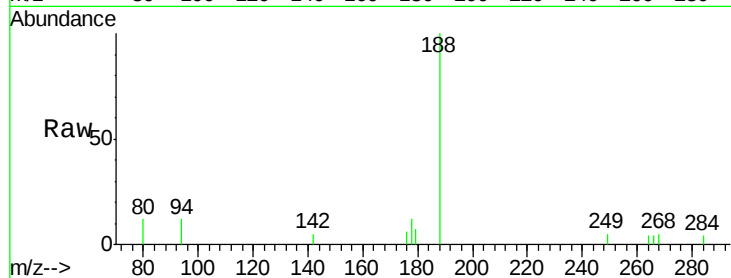
Tgt Ion:178 Resp: 171

Ion Ratio Lower Upper

178 100

176 21.6 15.4 23.0

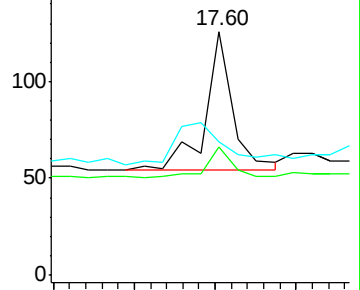
179 0.0 12.7 19.1#



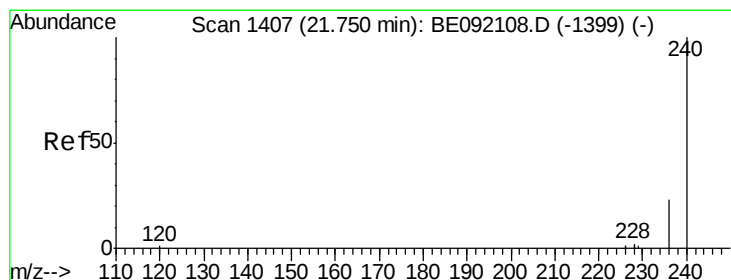
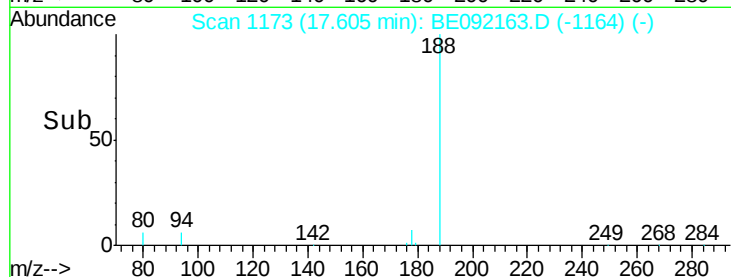
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.40 17.50 17.60 17.70



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

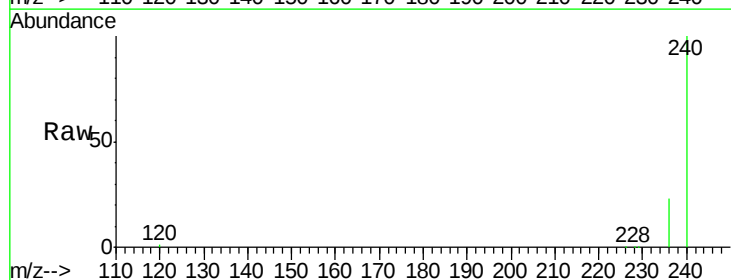
Tgt Ion:240 Resp: 89100

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

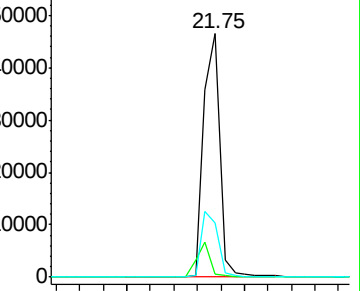
236 22.5 18.2 27.4



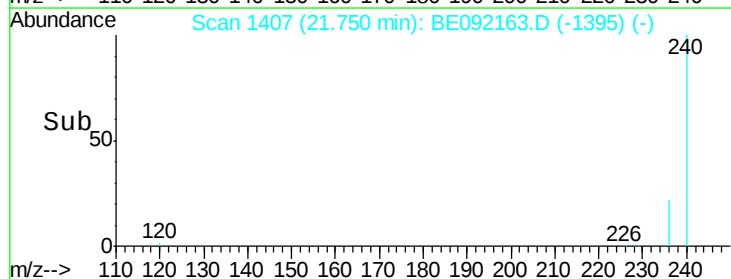
Abundance Ion 240.00 (239.70 to 240.70): E

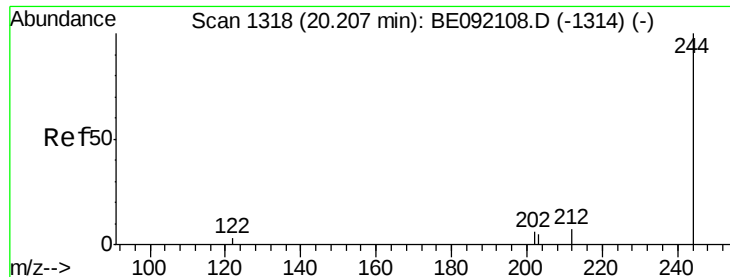
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.60 21.80





#24

Terphenyl-d14

Concen: 4.80 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

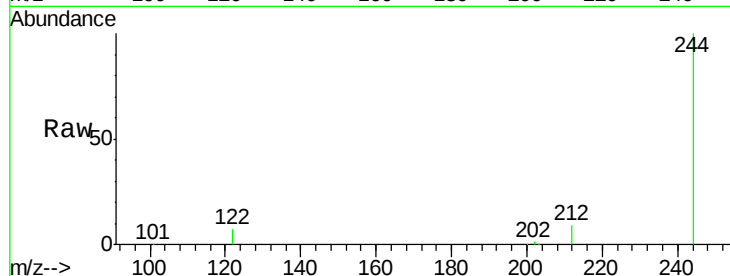
Tgt Ion:244 Resp: 61474

Ion Ratio Lower Upper

244 100

212 8.6 9.1 13.7#

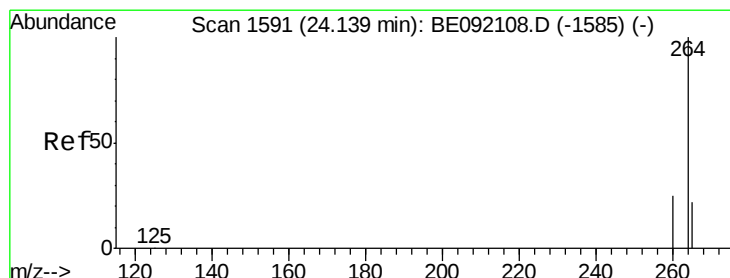
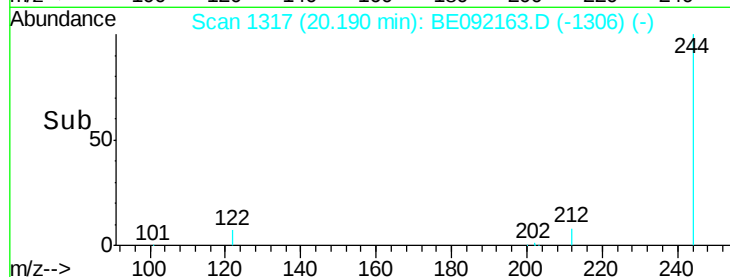
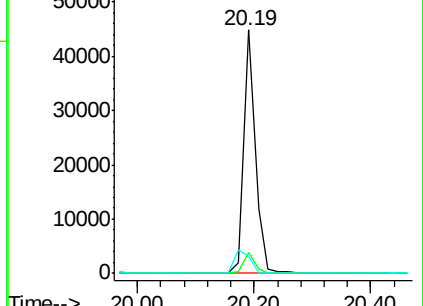
122 6.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BE092163.D

Acq: 4 Aug 2016 2:23

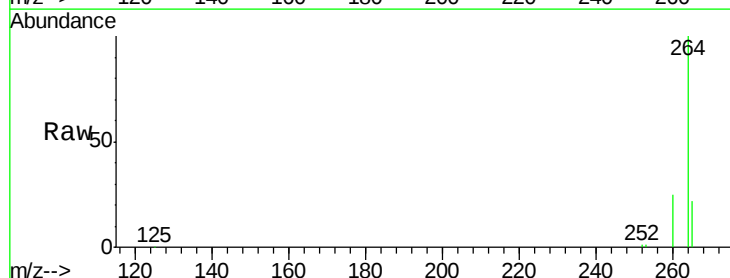
Tgt Ion:264 Resp: 84738

Ion Ratio Lower Upper

264 100

260 24.8 20.8 31.2

265 22.4 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

