

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 05:59:40 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

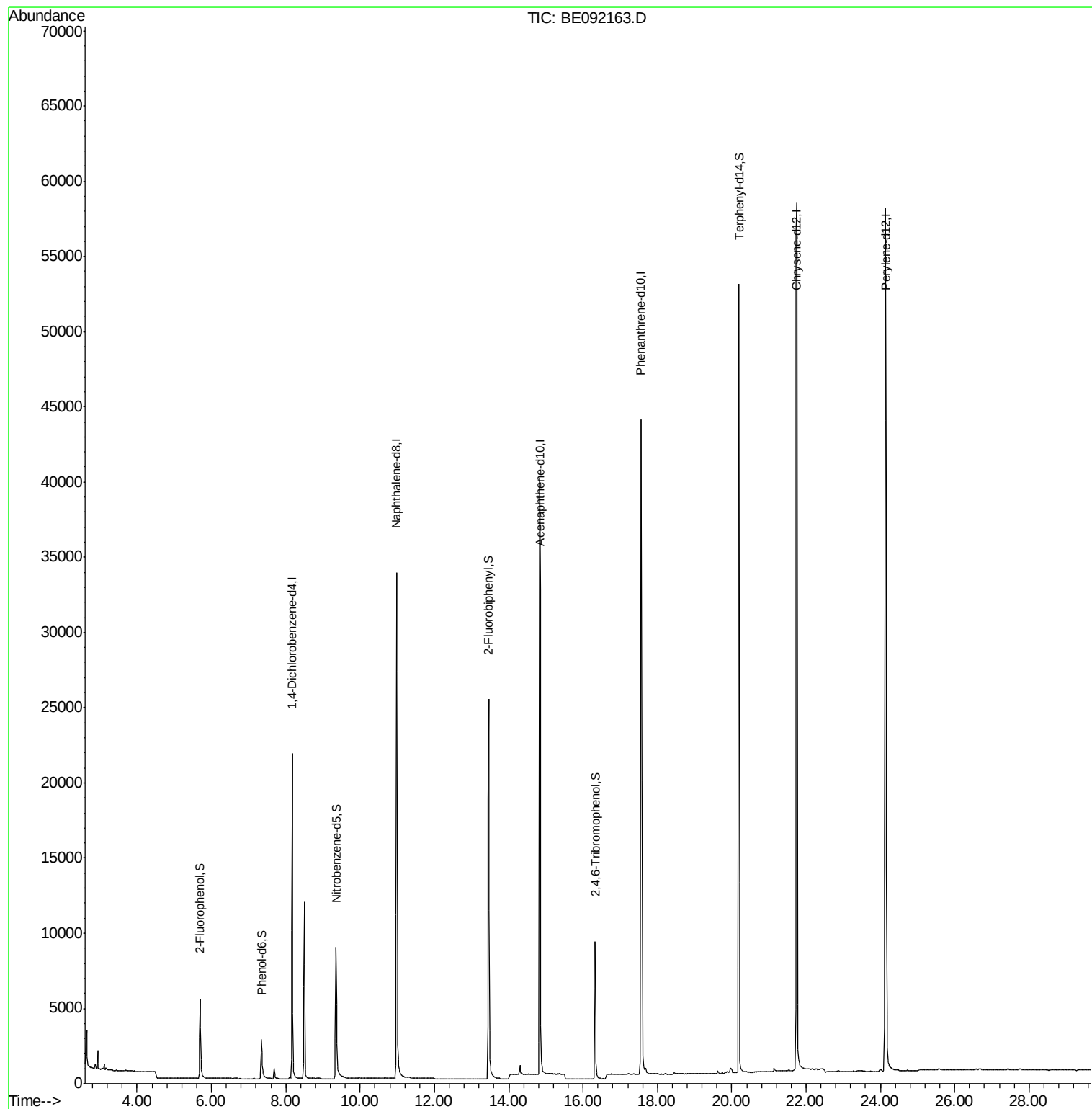
Target Compounds	Qvalue
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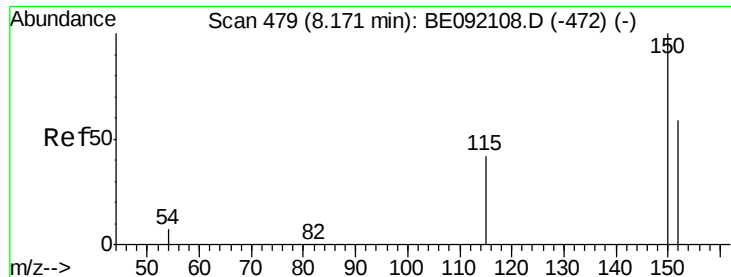
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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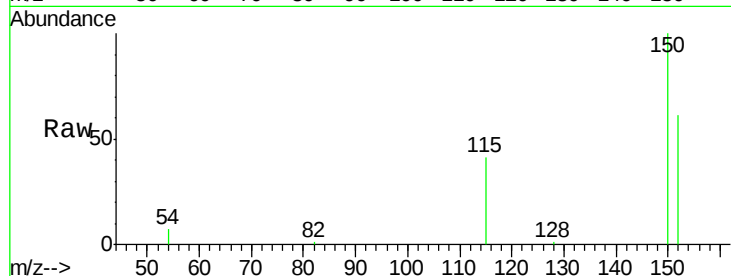




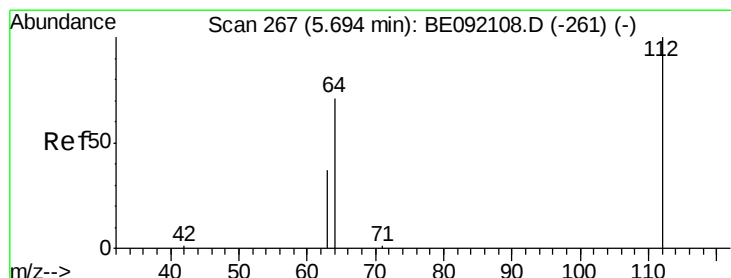
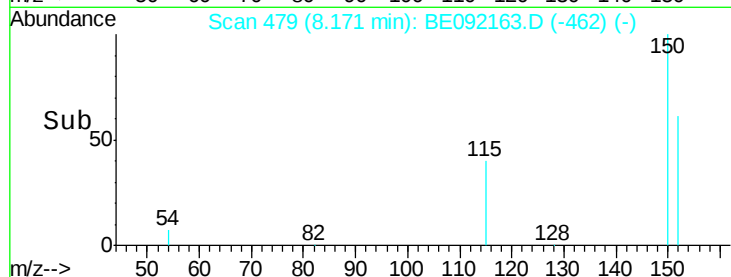
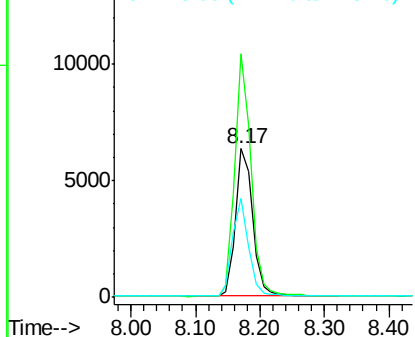
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE092163.D
 Acq: 4 Aug 2016 2:23

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160725

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#

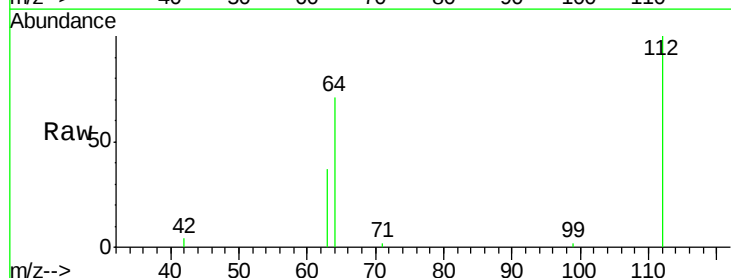


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

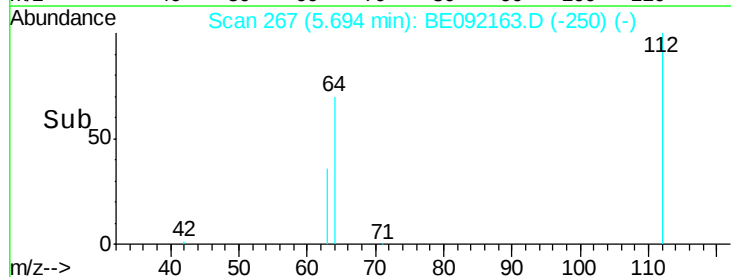
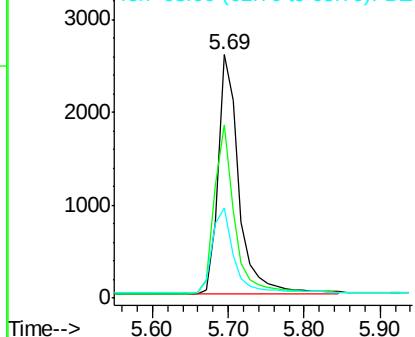


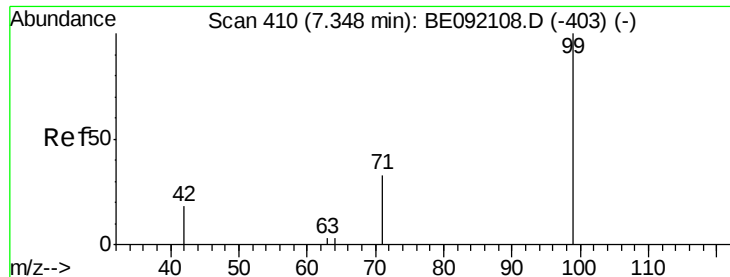
#4
 2-Fluorophenol
 Concen: 1.69 ng
 RT: 5.69 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: BE092163.D
 Acq: 4 Aug 2016 2:23

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



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: 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

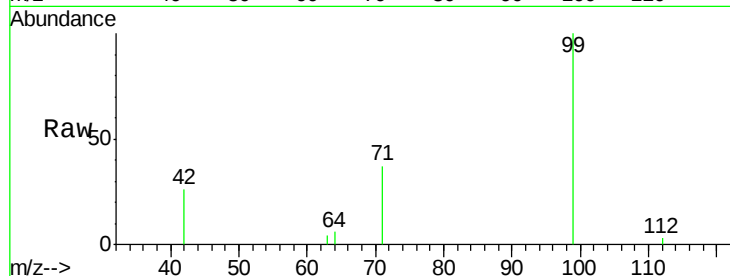
Tgt Ion: 99 Resp: 3890

Ion Ratio Lower Upper

99 100

42 24.7 22.4 33.6

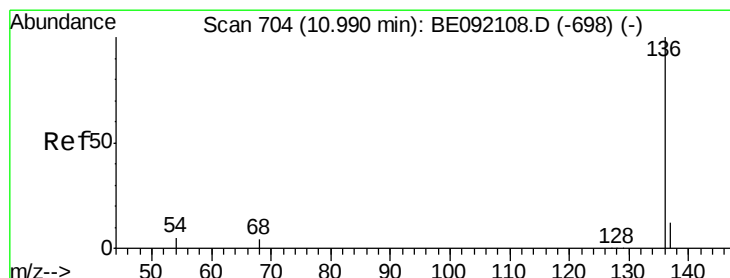
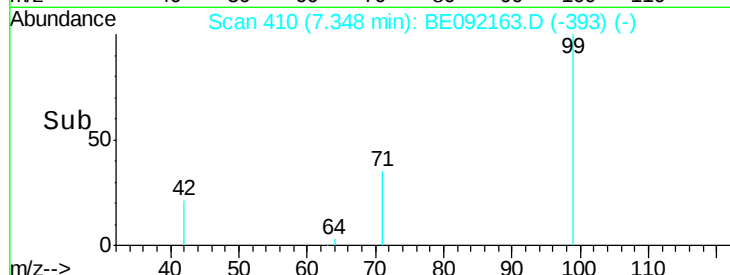
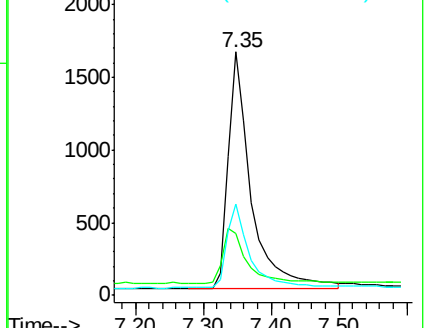
71 35.2 28.9 43.3



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

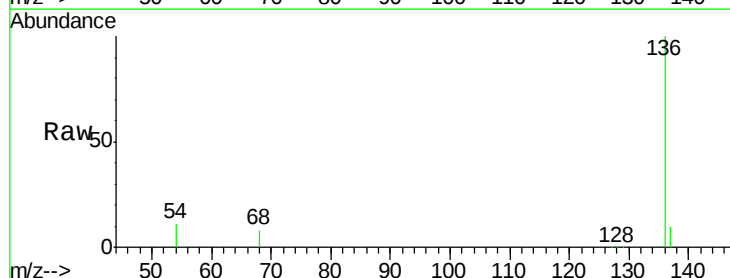
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 10.7 2.7 4.1#

68 7.6 2.2 3.4#

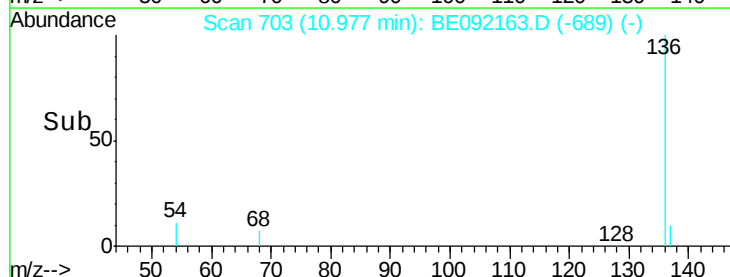
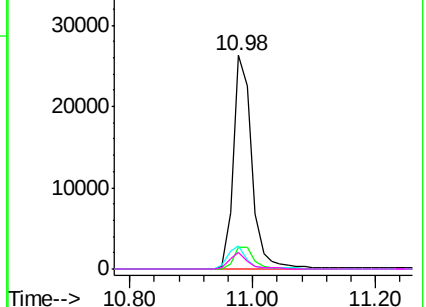


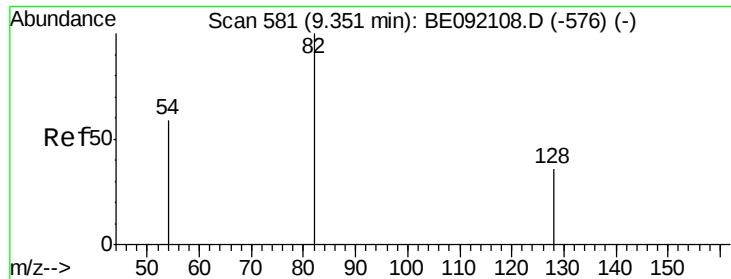
Abundance Ion 136.00 (135.70 to 136.70): E

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

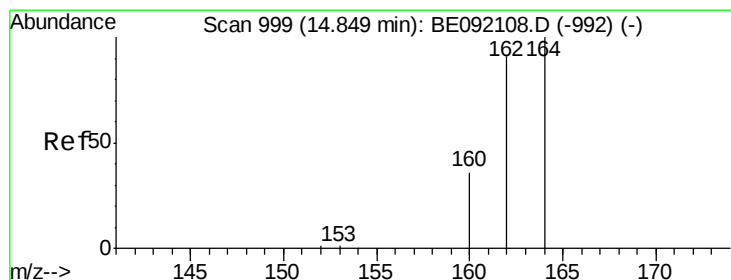
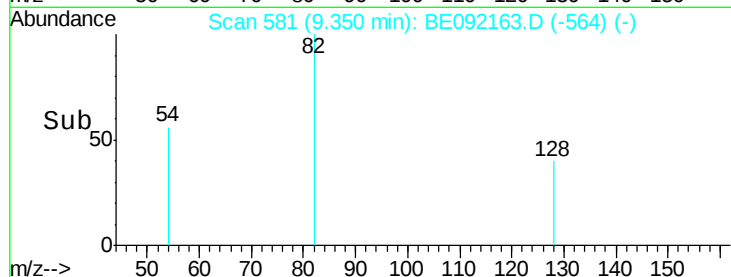
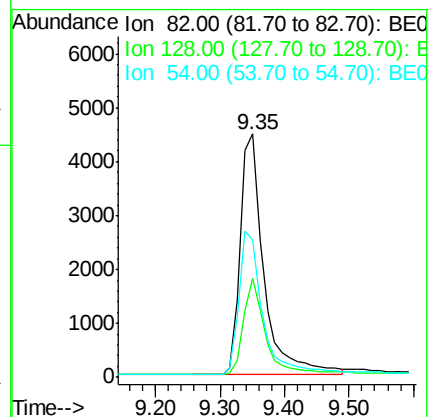
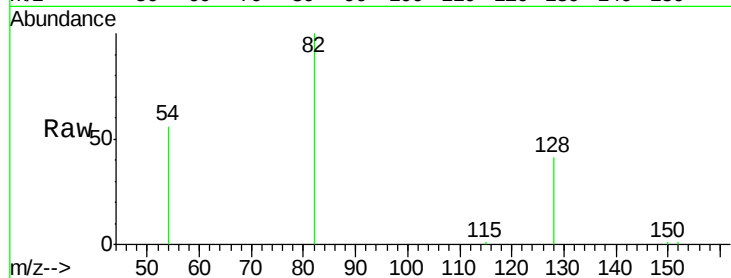
Tgt Ion: 82 Resp: 11224

Ion Ratio Lower Upper

82 100

128 40.9 33.0 49.4

54 56.4 42.6 63.8



#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

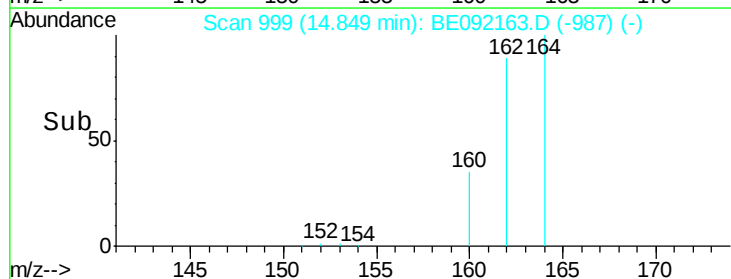
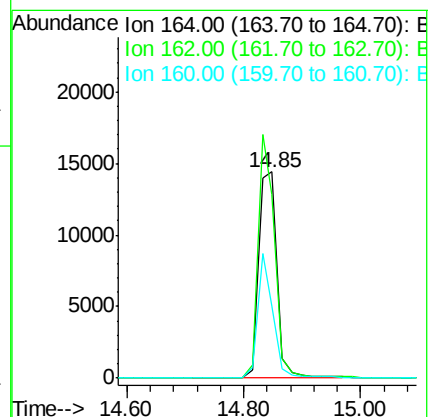
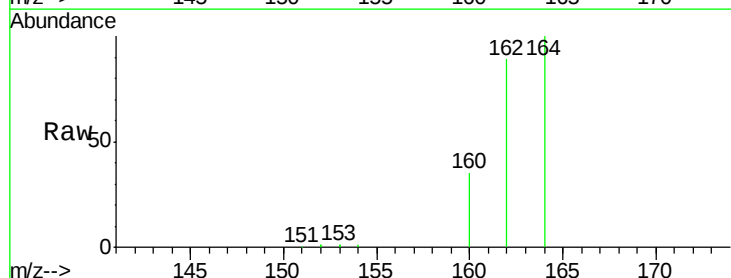
Tgt Ion: 164 Resp: 31534

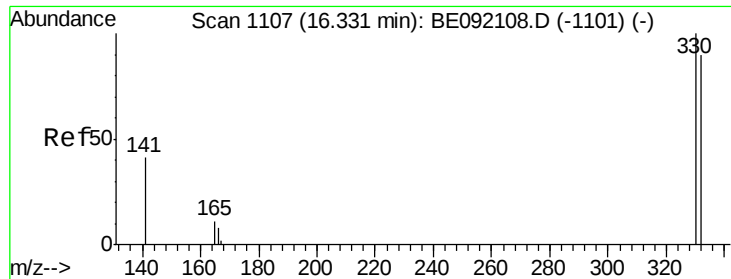
Ion Ratio Lower Upper

164 100

162 89.2 69.5 104.3

160 34.9 27.6 41.4

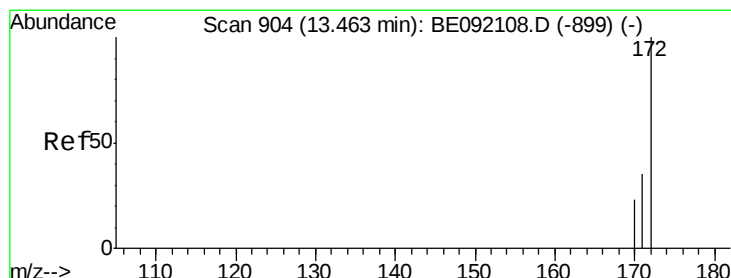
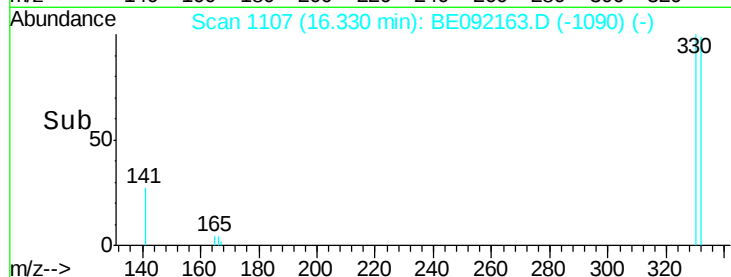
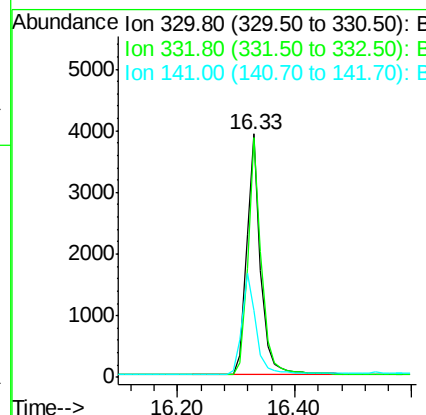
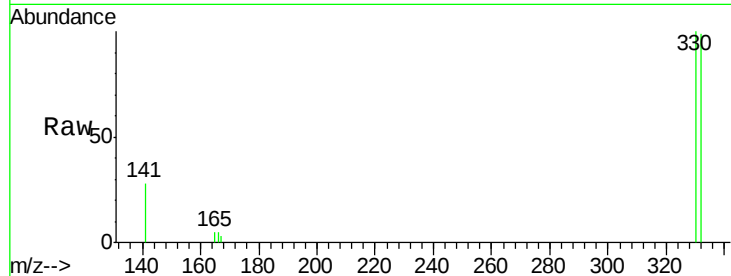




#11
 2,4,6-Tribromophenol
 Concen: 6.24 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092163.D
 Acq: 4 Aug 2016 2:23

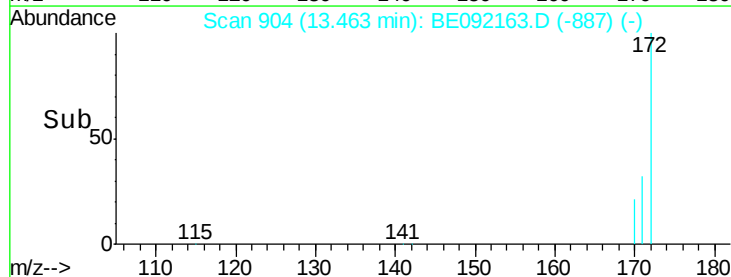
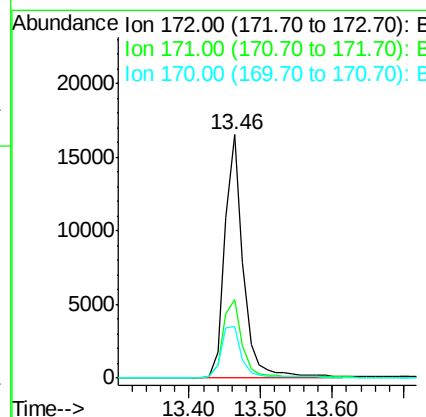
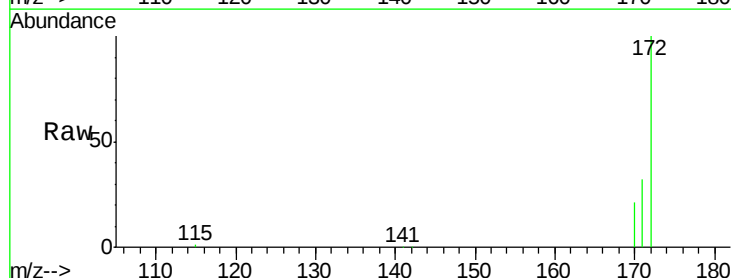
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160725

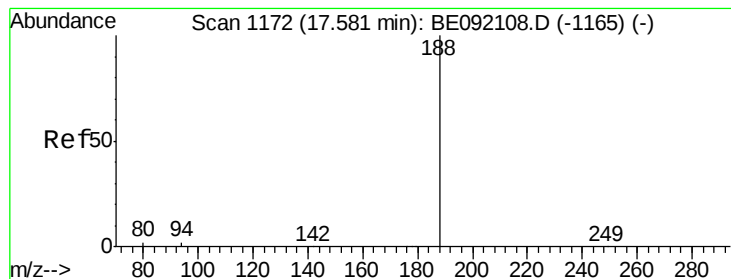
Tgt Ion:330 Resp: 6389
 Ion Ratio Lower Upper
 330 100
 332 96.8 74.2 111.4
 141 42.1 139.8 209.8#



#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

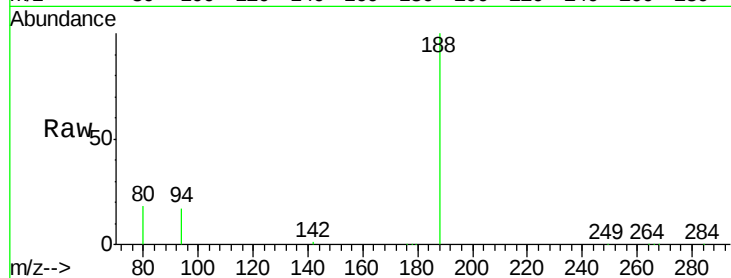
Tgt Ion:188 Resp: 73165

Ion Ratio Lower Upper

188 100

94 17.3 3.9 5.9#

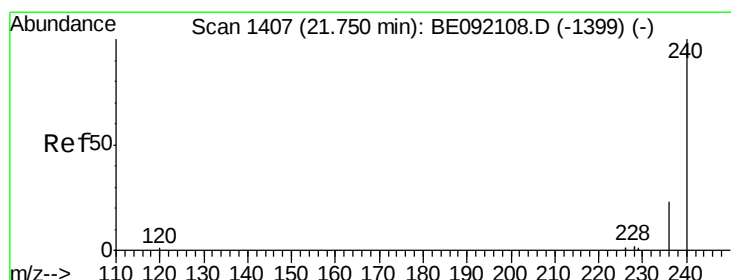
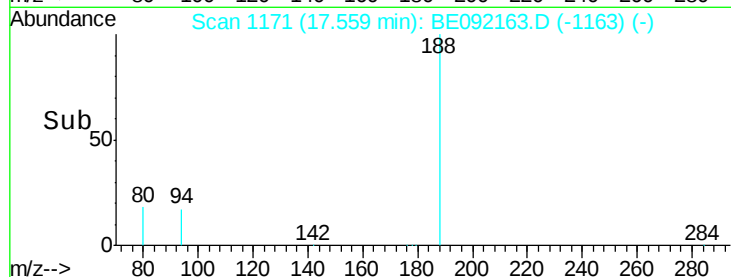
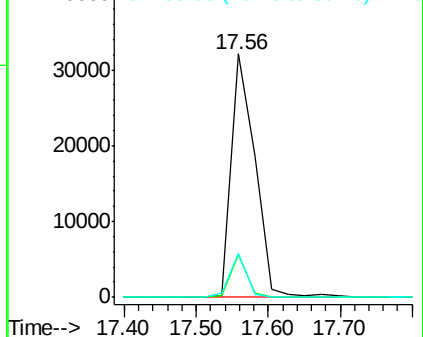
80 18.3 3.4 5.0#



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



#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

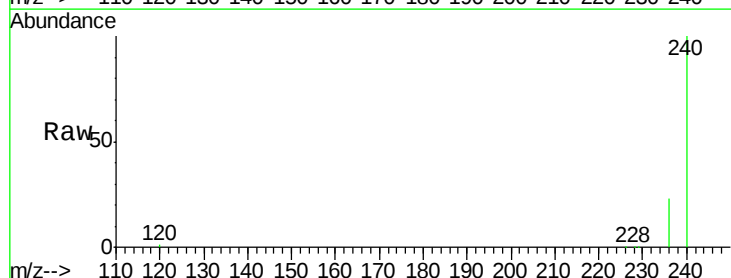
Tgt Ion:240 Resp: 89100

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

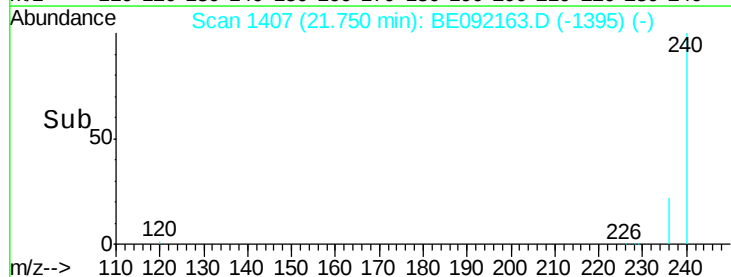
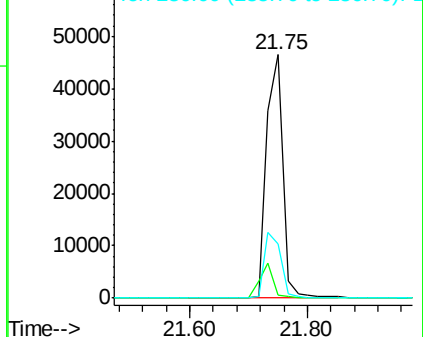
236 22.5 18.2 27.4

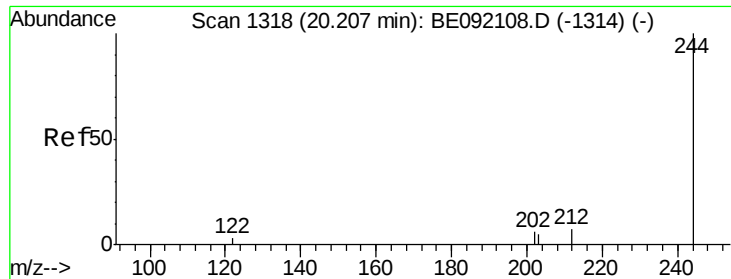


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#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

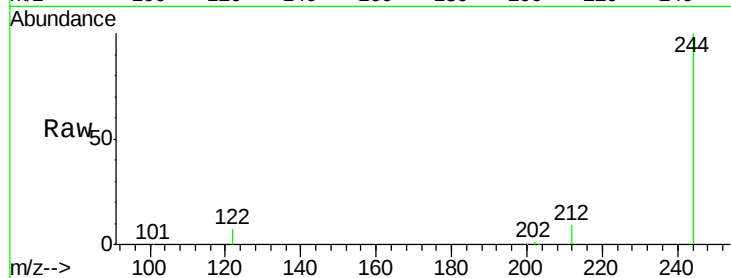
Tgt Ion:244 Resp: 61474

Ion Ratio Lower Upper

244 100

212 8.6 9.1 13.7#

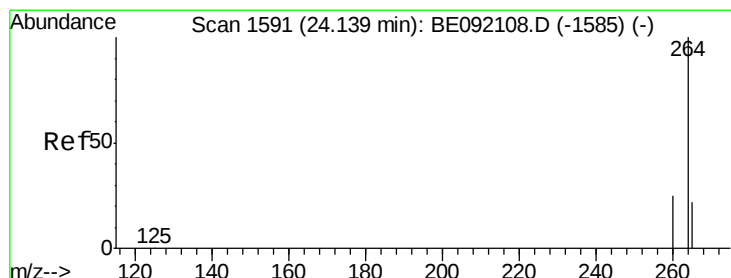
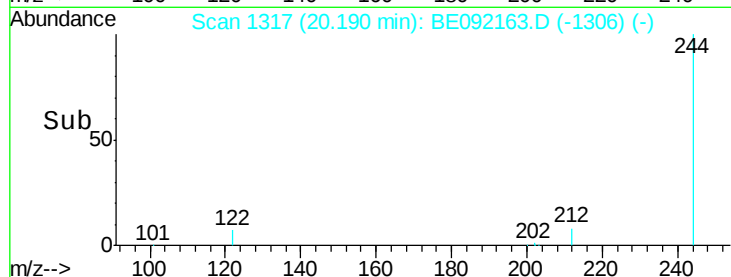
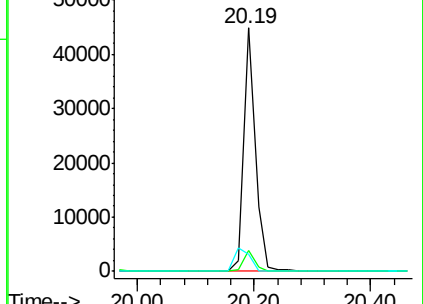
122 6.9 11.0 16.4#



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

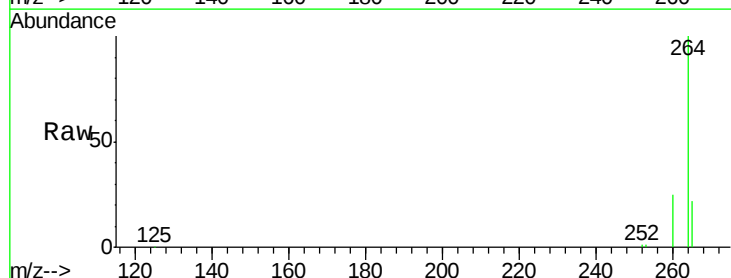
Tgt Ion:264 Resp: 84738

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

