

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
 Data File : BE092252.D
 Acq On : 10 Aug 2016 13:30
 Operator : UM/SJ
 Sample : H4227-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160725

Quant Time: Aug 10 18:44:38 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 11:12:32 2016
 Response via : Initial Calibration

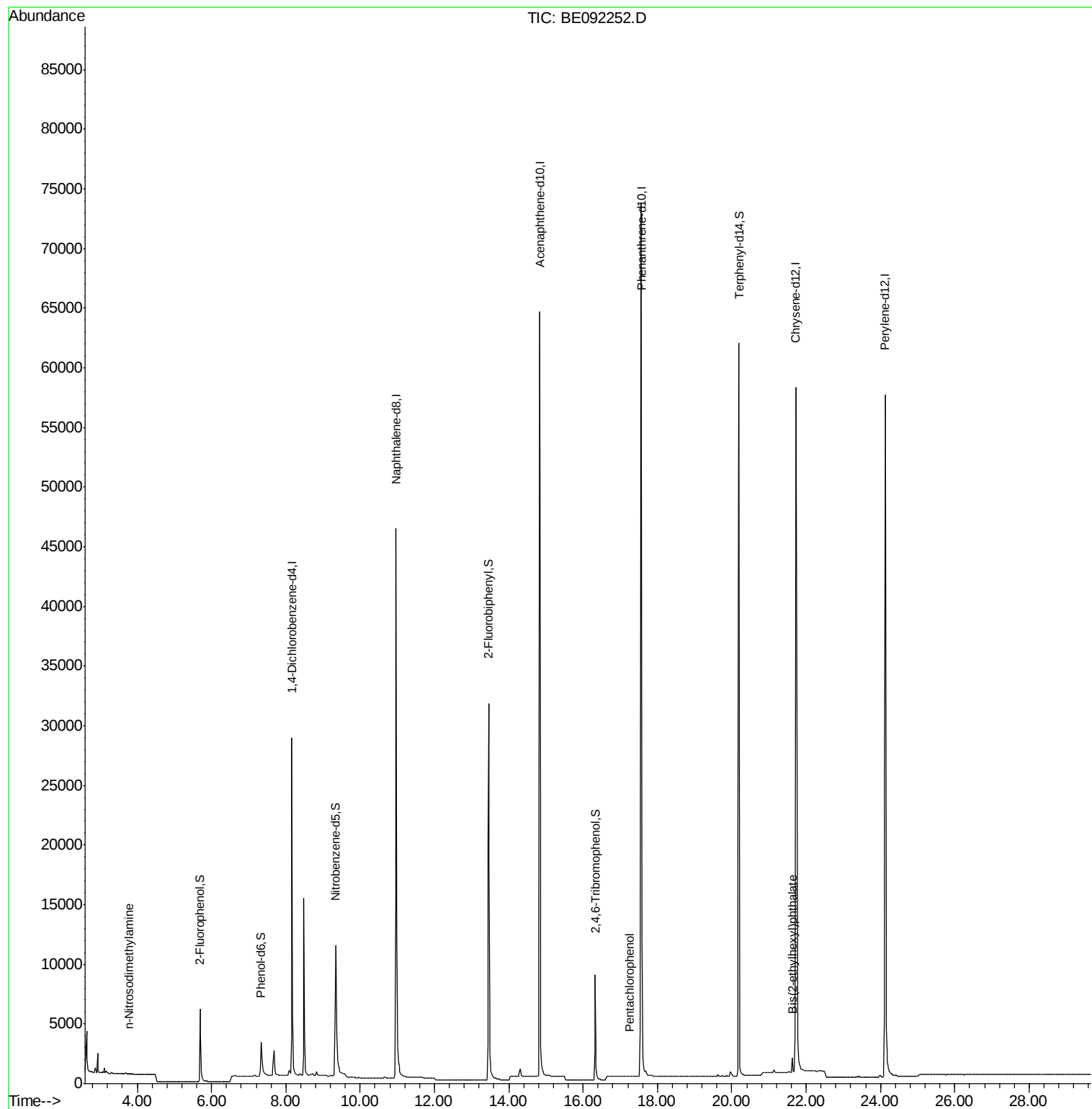
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	15448	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	71755	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	41474	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	105052	5.00	ng	0.00
24) Chrysene-d12	21.73	240	92081	5.00	ng	-0.02
31) Perylene-d12	24.13	264	92999	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	6003	1.78	ng	-0.01
5) Phenol-d6	7.34	99	4701	0.97	ng	-0.02
8) Nitrobenzene-d5	9.34	82	14370	2.84	ng	-0.02
13) 2,4,6-Tribromophenol	16.33	330	7088	4.49	ng	0.00
14) 2-Fluorobiphenyl	13.46	172	37854	2.95	ng	-0.01
26) Terphenyl-d14	20.19	244	73505	4.72	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.44	88	54	Below Cal	#	78
3) n-Nitrosodimethylamine	3.79	42	11	0.16 ng	#	41
20) Pentachlorophenol	17.24	266	48	0.20 ng	#	81
29) Bis(2-ethylhexyl)phthalate	21.64	149	1439	0.31 ng	#	99

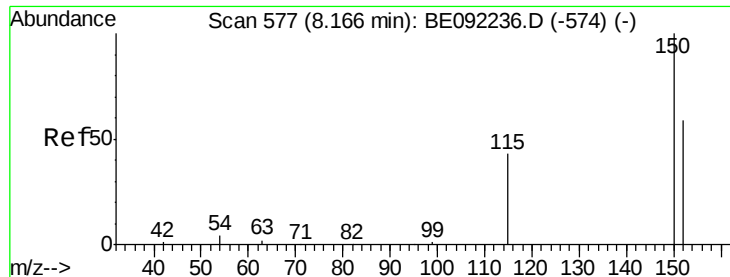
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092252.D
Acq On : 10 Aug 2016 13:30
Operator : UM/SJ
Sample : H4227-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160725

Quant Time: Aug 10 18:44:38 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

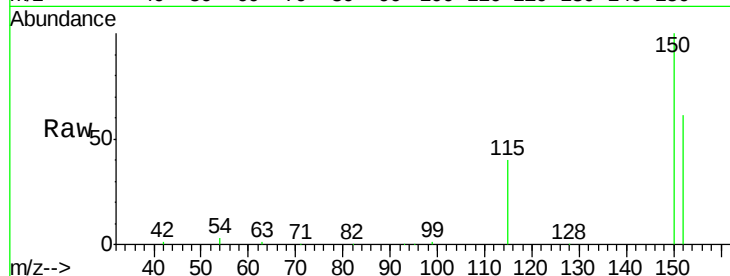
Tgt Ion:152 Resp: 15448

Ion Ratio Lower Upper

152 100

150 163.0 135.6 203.4

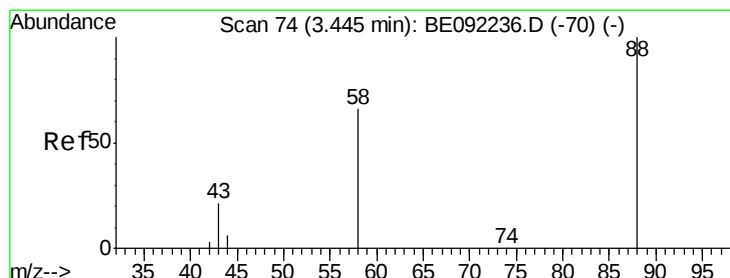
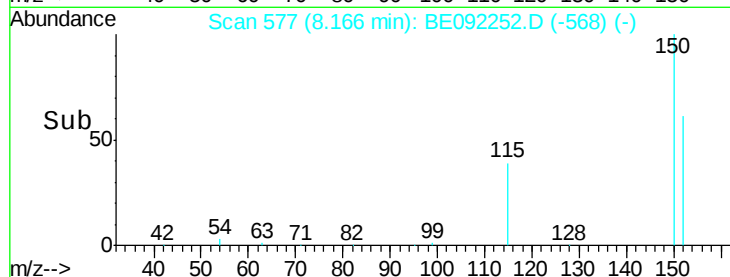
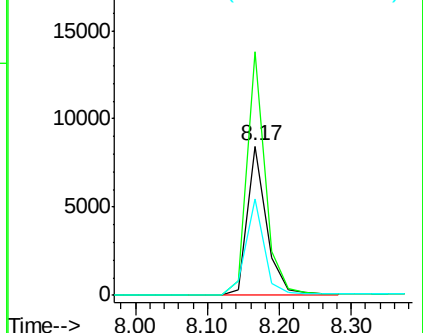
115 64.4 59.4 89.0



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: Below Cal

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

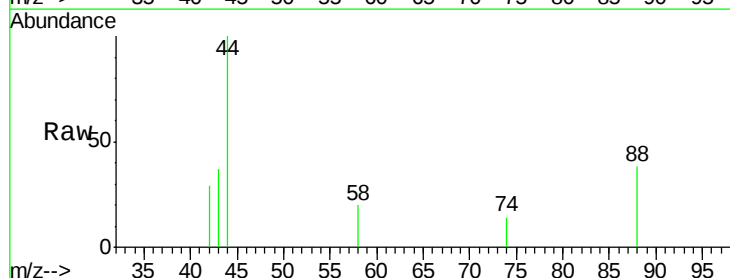
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

58 74.1 64.4 96.6

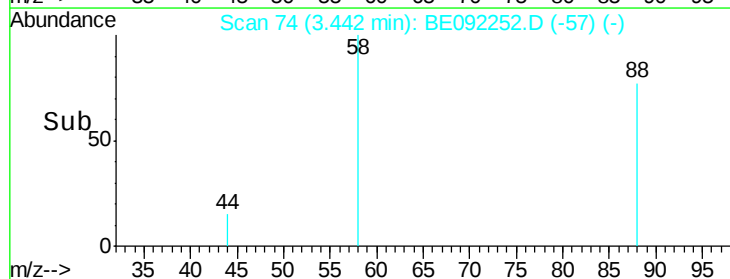
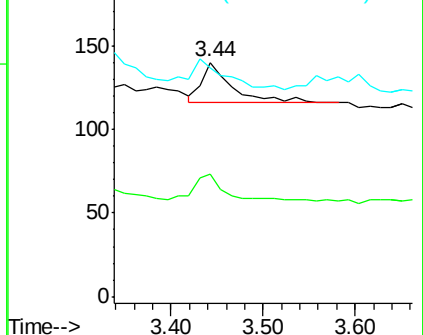
43 74.1 33.4 50.2#

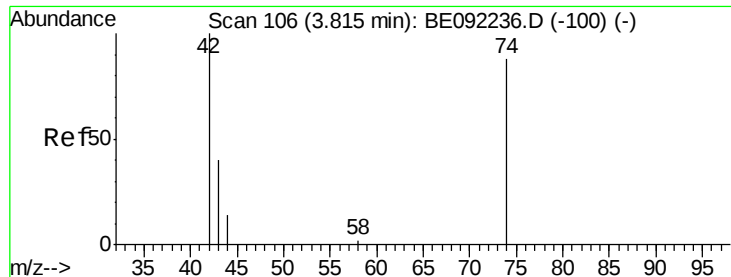


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.79 min Scan# 104

Delta R.T. -0.02 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

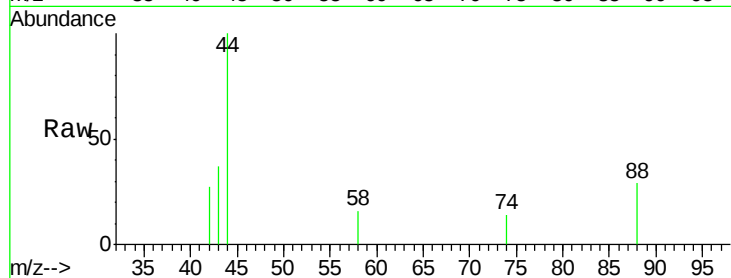
Tgt Ion: 42 Resp: 11

Ion Ratio Lower Upper

42 100

74 36.4 77.2 115.8#

44 0.0 5.0 7.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time-->

3.75 3.80 3.85

3.79

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

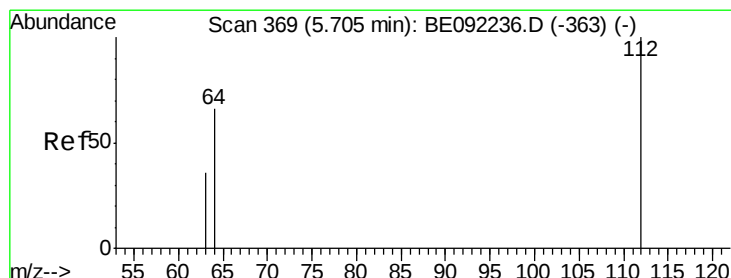
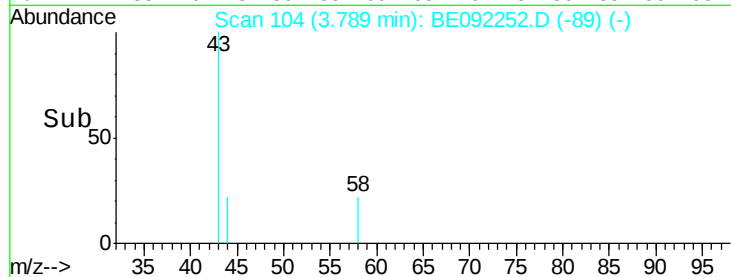
3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85

3.75 3.80 3.85



#4

2-Fluorophenol

Concen: 1.78 ng

RT: 5.69 min Scan# 367

Delta R.T. -0.01 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

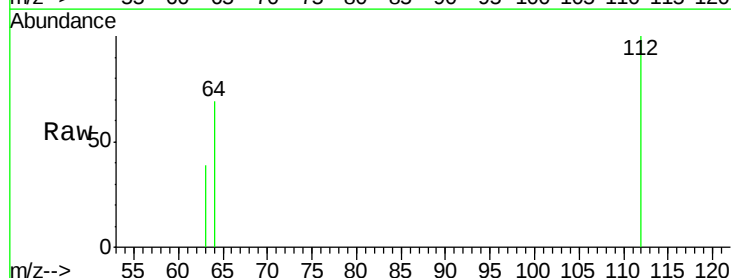
Tgt Ion: 112 Resp: 6003

Ion Ratio Lower Upper

112 100

64 66.9 53.2 79.8

63 36.4 27.4 41.2



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

Time-->

5.60 5.70 5.80 5.90

5.69

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

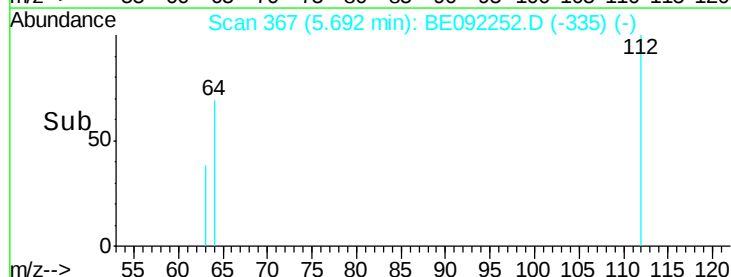
5.60 5.70 5.80 5.90

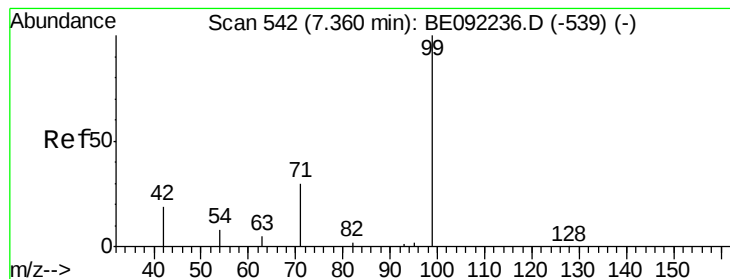
5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90

5.60 5.70 5.80 5.90





#5

Phenol-d6

Concen: 0.97 ng

RT: 7.34 min Scan# 541

Delta R.T. -0.02 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

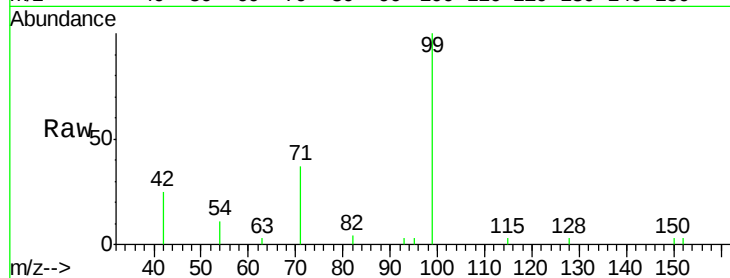
Tgt Ion: 99 Resp: 4701

Ion Ratio Lower Upper

99 100

42 24.9 0.0 0.0#

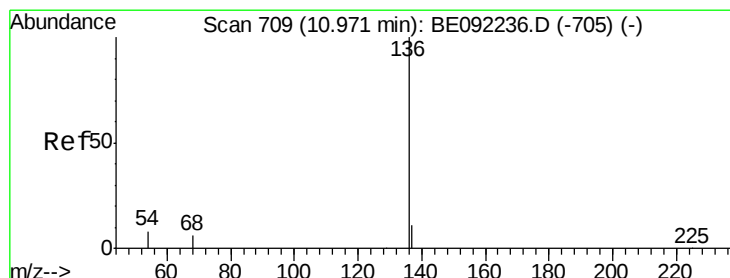
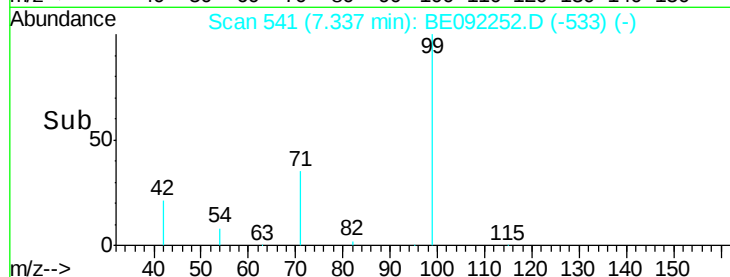
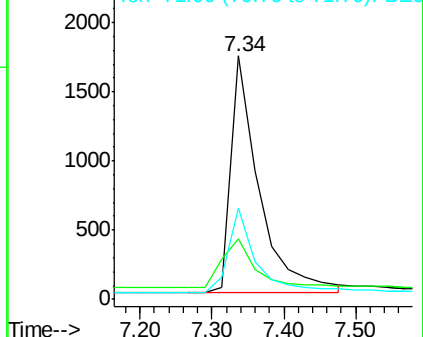
71 34.7 29.8 44.8



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

Tgt Ion: 136 Resp: 71755

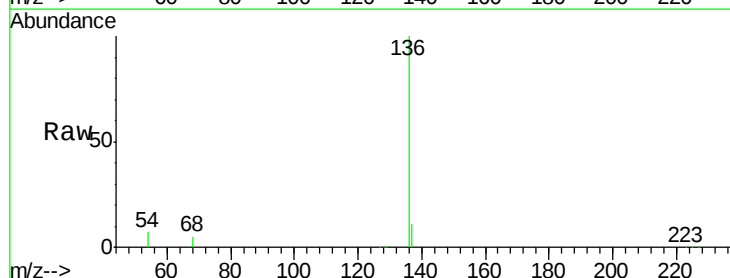
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 7.1 6.2 9.4

68 5.2 4.6 6.8

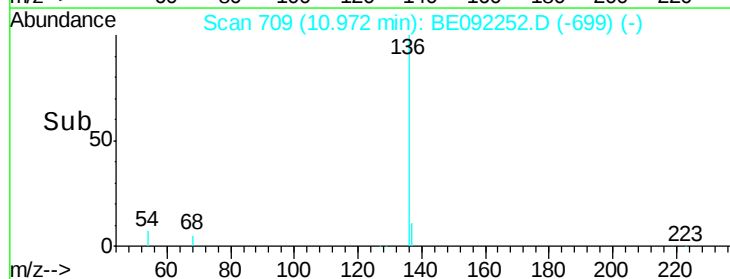
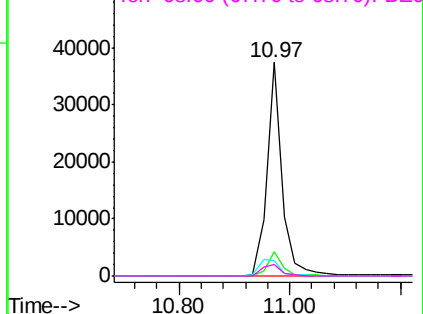


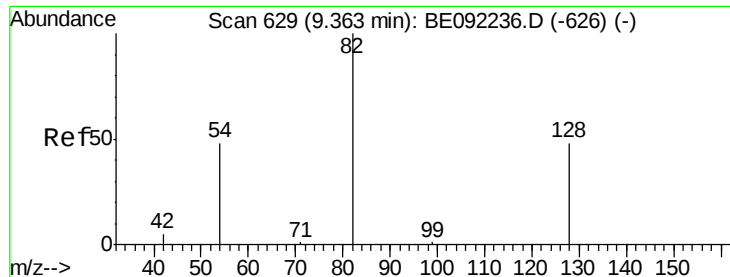
Abundance Ion 136.00 (135.70 to 136.70): E

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

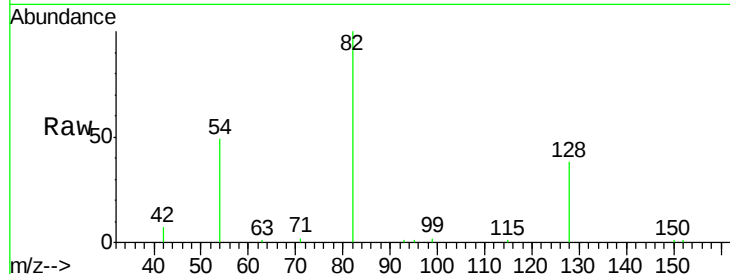




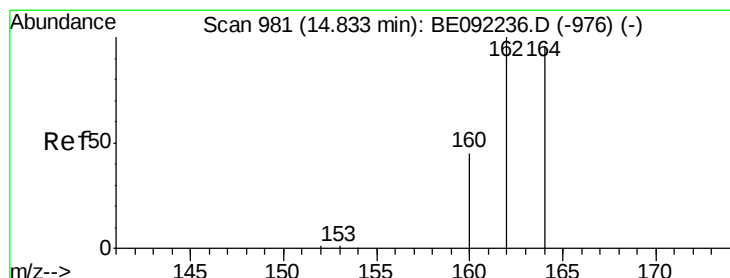
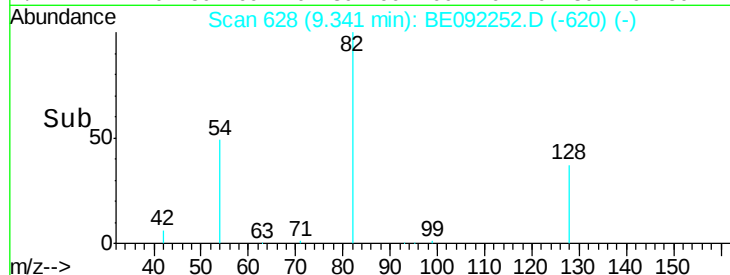
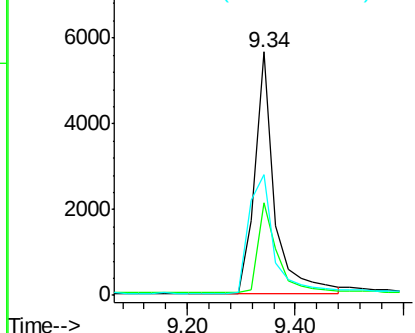
#8
 Nitrobenzene-d5
 Concen: 2.84 ng
 RT: 9.34 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BE092252.D
 Acq: 10 Aug 2016 13:30

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160725

Tgt Ion: 82 Resp: 14370
 Ion Ratio Lower Upper
 82 100
 128 37.9 45.0 67.4#
 54 49.4 45.4 68.2

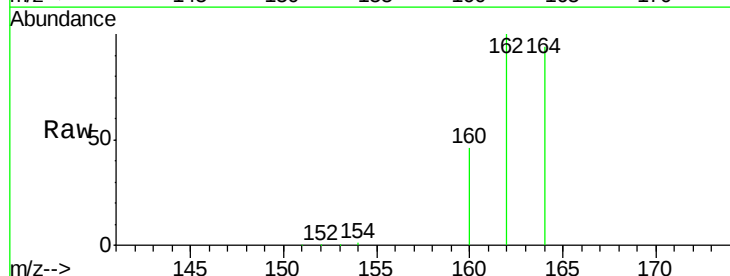


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

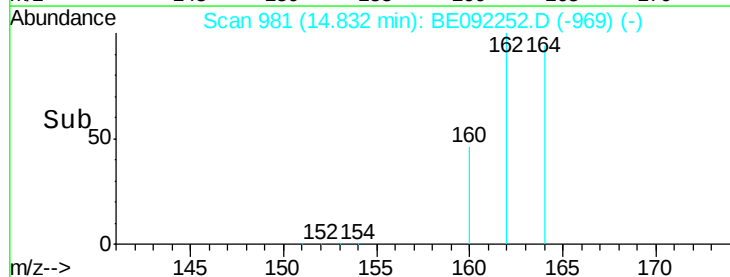
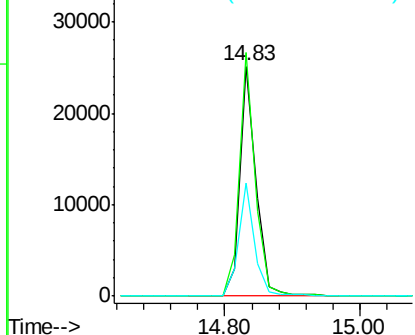


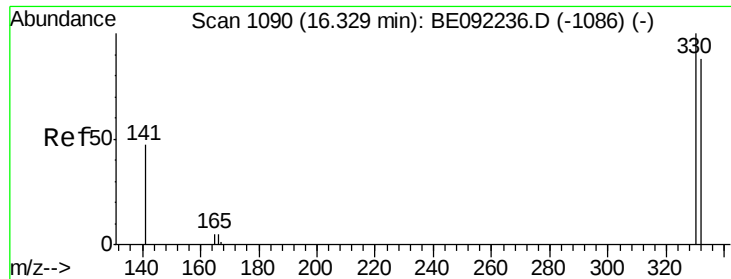
#12
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.83 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BE092252.D
 Acq: 10 Aug 2016 13:30

Tgt Ion: 164 Resp: 41474
 Ion Ratio Lower Upper
 164 100
 162 106.0 83.3 124.9
 160 49.1 38.0 57.0



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

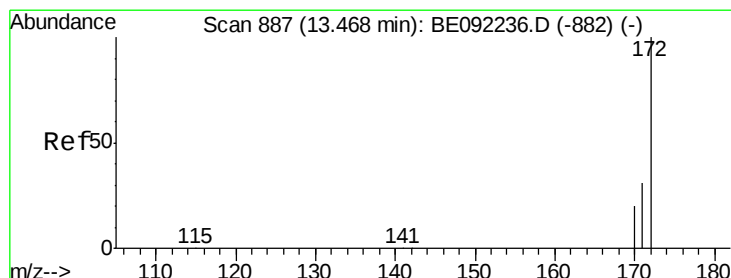
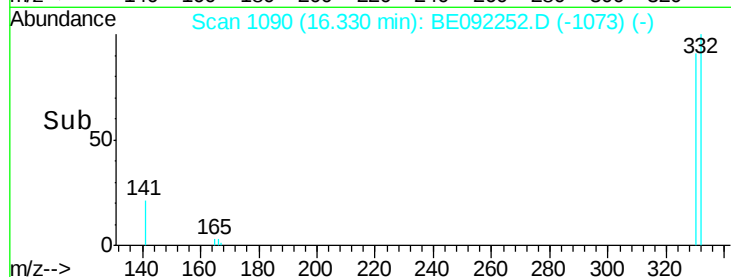
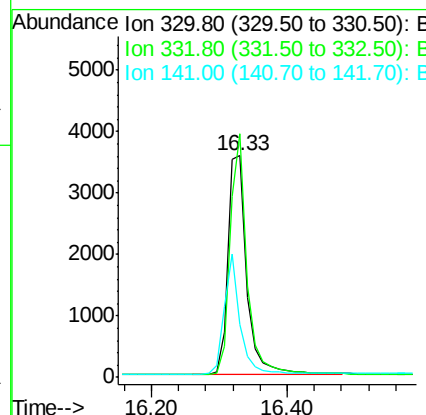
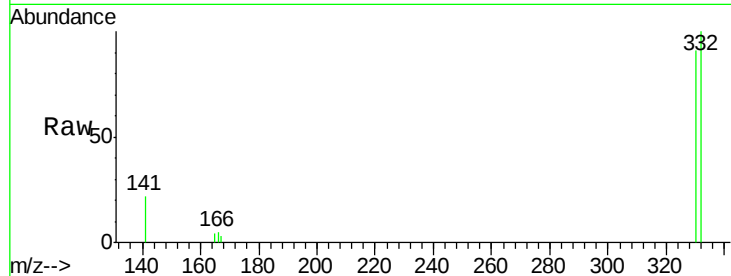




#13
 2,4,6-Tribromophenol
 Concen: 4.49 ng
 RT: 16.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BE092252.D
 Acq: 10 Aug 2016 13:30

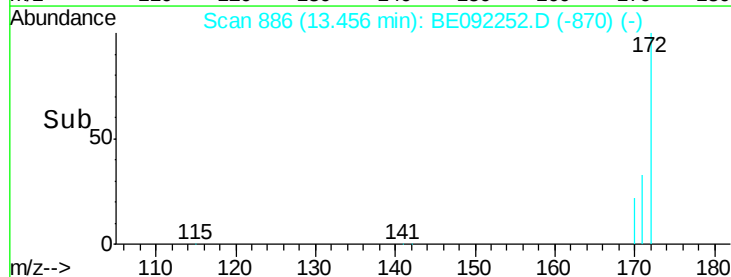
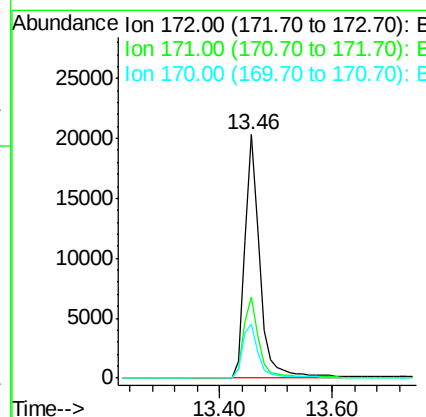
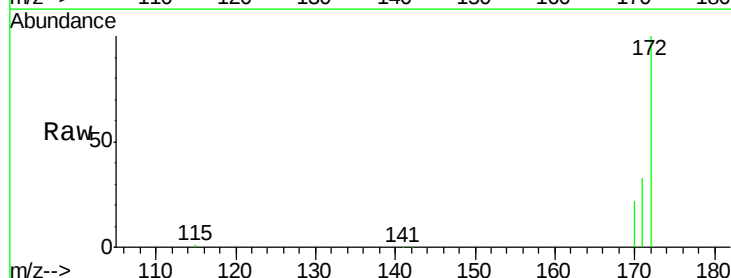
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160725

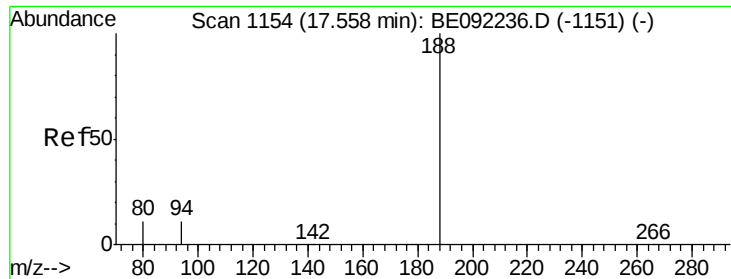
Tgt Ion:330 Resp: 7088
 Ion Ratio Lower Upper
 330 100
 332 97.6 75.4 113.0
 141 46.0 37.7 56.5



#14
 2-Fluorobiphenyl
 Concen: 2.95 ng
 RT: 13.46 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BE092252.D
 Acq: 10 Aug 2016 13:30

Tgt Ion:172 Resp: 37854
 Ion Ratio Lower Upper
 172 100
 171 33.5 26.8 40.2
 170 22.2 17.8 26.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

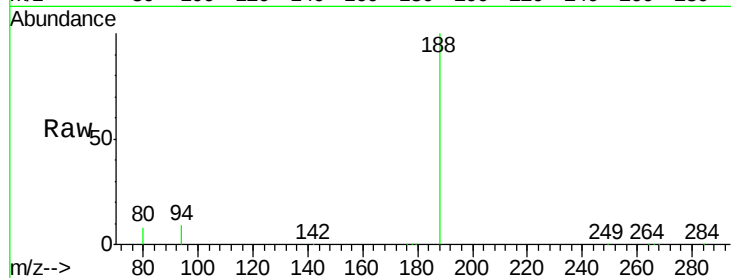
Tgt Ion:188 Resp: 105052

Ion Ratio Lower Upper

188 100

94 8.7 9.2 13.8#

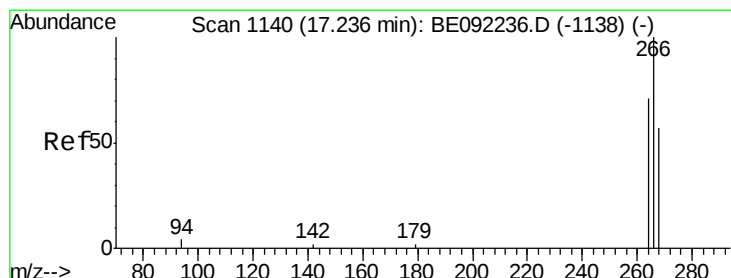
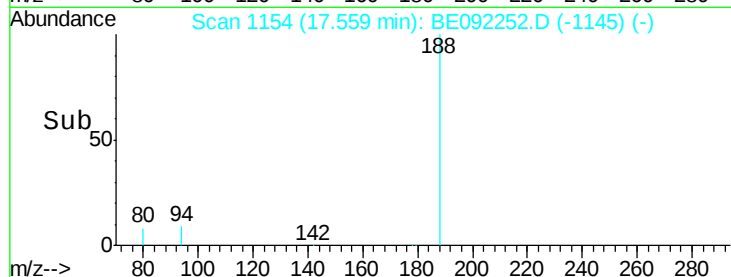
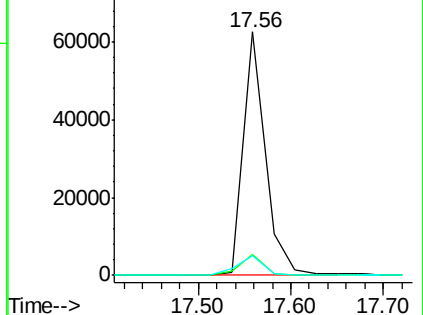
80 8.3 9.1 13.7#



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

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

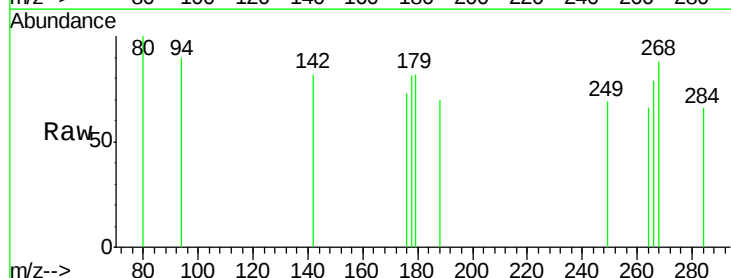
Tgt Ion:266 Resp: 48

Ion Ratio Lower Upper

266 100

268 111.3 62.3 93.5#

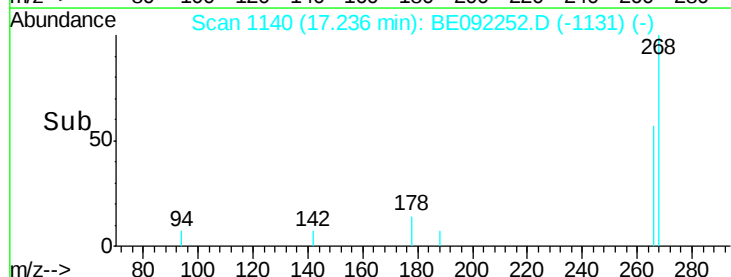
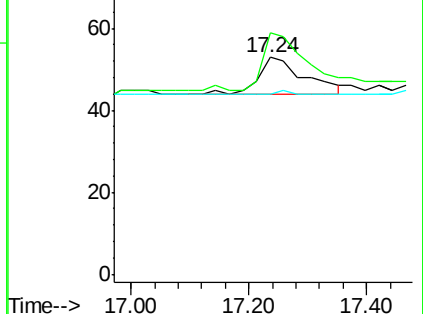
264 83.0 67.4 101.0

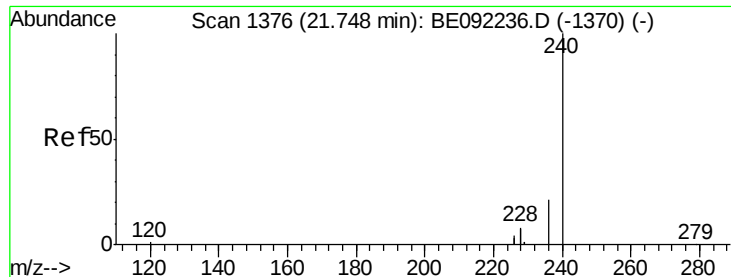


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

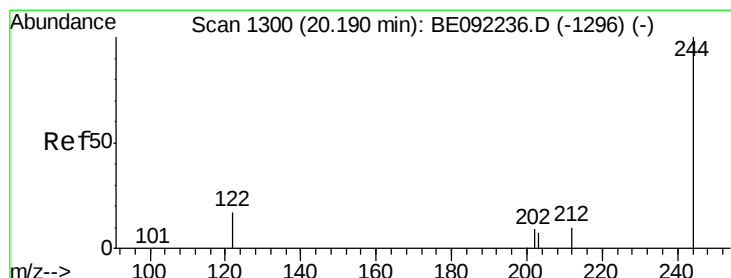
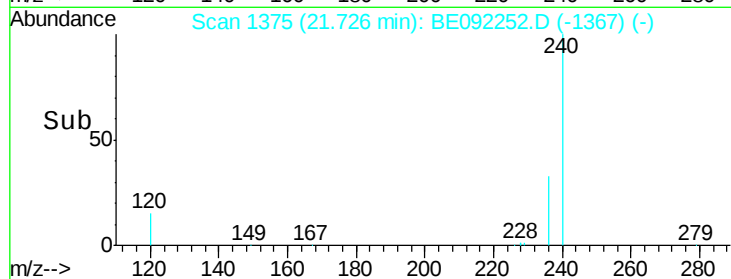
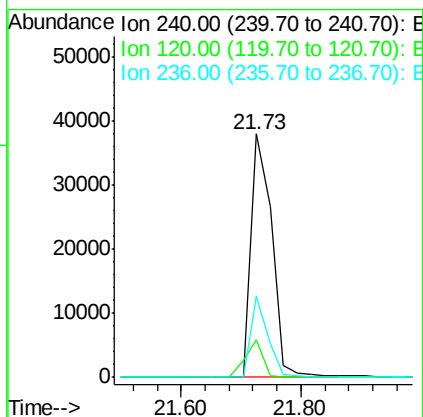
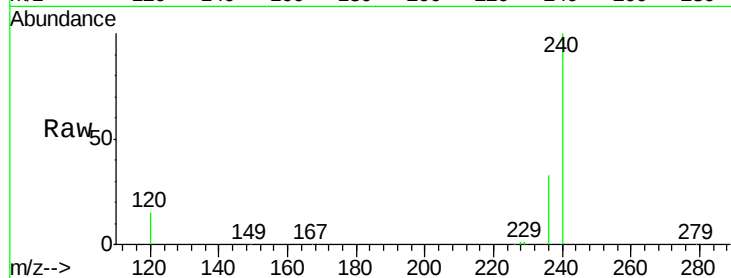




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092252.D
Acq: 10 Aug 2016 13:30

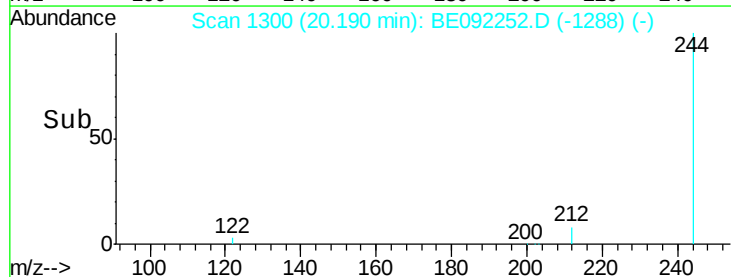
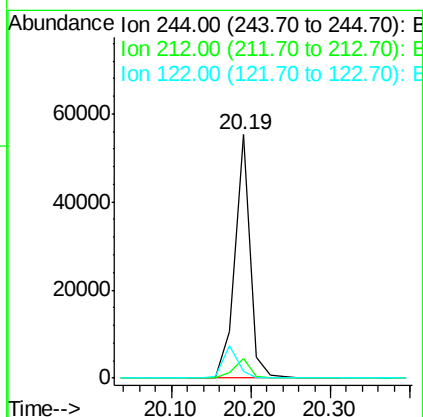
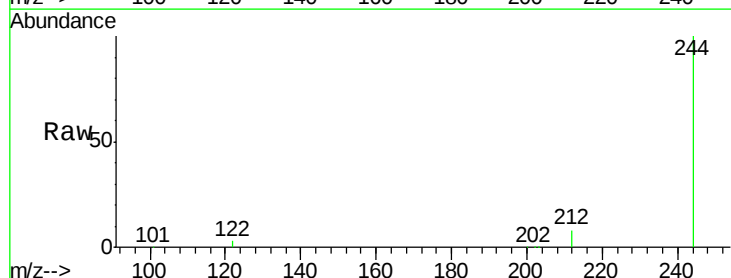
Instrument :
BNA_E
ClientSampleId :
KY038PS038-160725

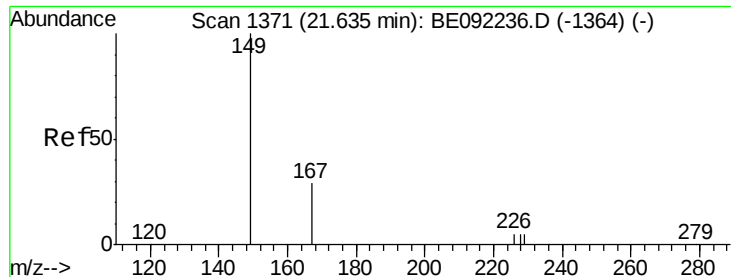
Tgt Ion:240 Resp: 92081
Ion Ratio Lower Upper
240 100
120 15.2 1.2 1.8#
236 33.3 17.1 25.7#



#26
Terphenyl-d14
Concen: 4.72 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BE092252.D
Acq: 10 Aug 2016 13:30

Tgt Ion:244 Resp: 73505
Ion Ratio Lower Upper
244 100
212 7.8 10.2 15.2#
122 2.7 15.9 23.9#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.31 ng

RT: 21.64 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160725

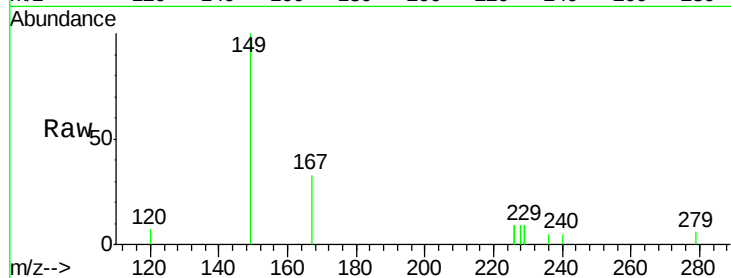
Tgt Ion:149 Resp: 1439

Ion Ratio Lower Upper

149 100

167 27.9 22.1 33.1

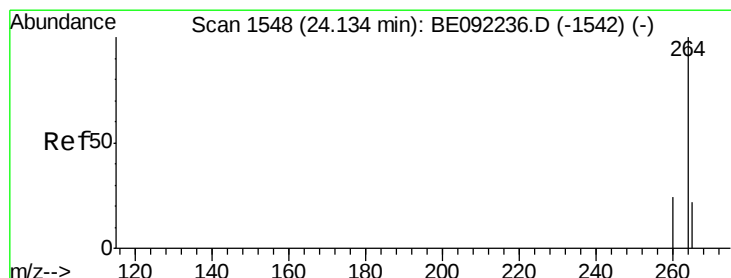
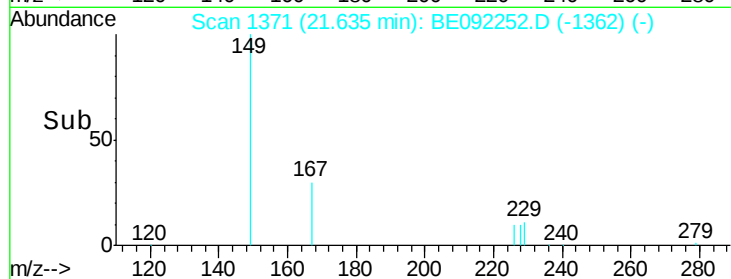
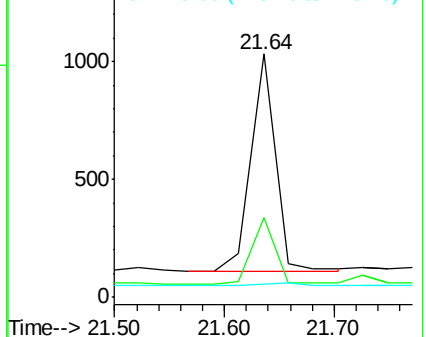
279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.13 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BE092252.D

Acq: 10 Aug 2016 13:30

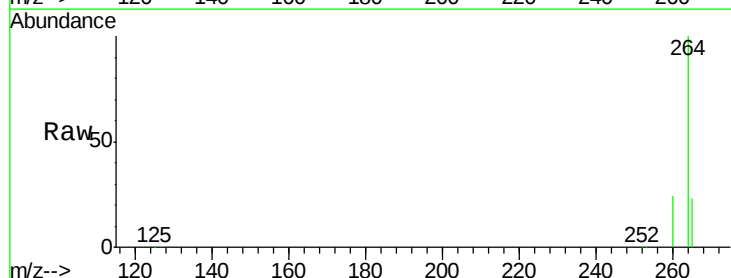
Tgt Ion:264 Resp: 92999

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.8 18.2 27.4



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

