

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120916\
 Data File : BE092597.D
 Acq On : 9 Dec 2016 17:20
 Operator : UM/SJ
 Sample : H5923-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB

Quant Time: Dec 09 23:08:44 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

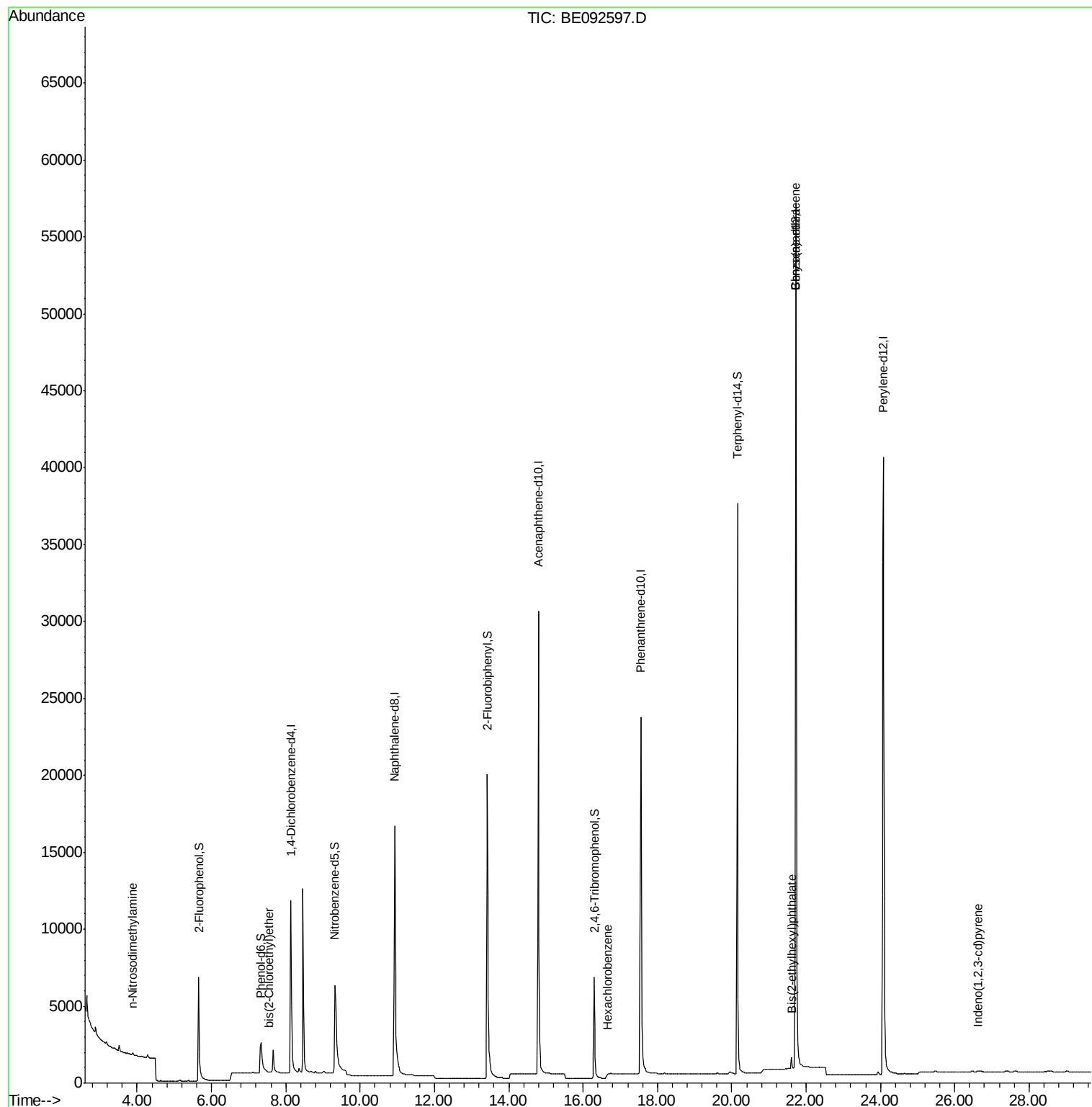
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7441	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	32166	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	21359	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	45376	5.00	ng	0.00
24) Chrysene-d12	21.72	240	71866	5.00	ng	0.00
31) Perylene-d12	24.08	264	65368	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	7235	5.76	ng	-0.02
5) Phenol-d6	7.34	99	5035	2.48	ng	-0.02
8) Nitrobenzene-d5	9.32	82	11195	5.36	ng	-0.04
13) 2,4,6-Tribromophenol	16.30	330	5797	12.10	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	28769	5.52	ng	-0.01
26) Terphenyl-d14	20.16	244	47958	5.84	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.59	88	6	Below Cal	#	19
3) n-Nitrosodimethylamine	3.88	42	78	0.24 ng	#	9
6) bis(2-Chloroethyl)ether	7.54	93	4	0.04 ng	#	15
19) Hexachlorobenzene	16.66	284	114	0.06 ng	#	1
27) Benzo(a)anthracene	21.72	228	810	0.11 ng	#	43
29) Bis(2-ethylhexyl)phthalate	21.61	149	927	0.31 ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.62	276	112	0.05 ng	#	63

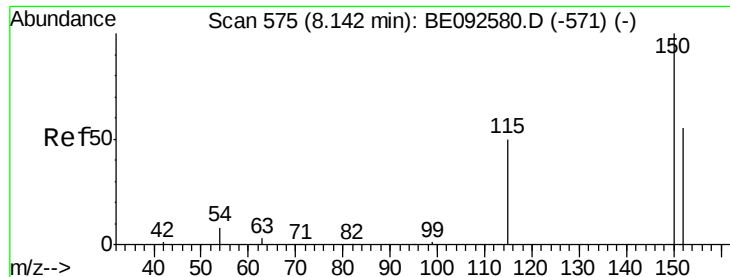
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120916\
Data File : BE092597.D
Acq On : 9 Dec 2016 17:20
Operator : UM/SJ
Sample : H5923-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FB

Quant Time: Dec 09 23:08:44 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampled :

FB

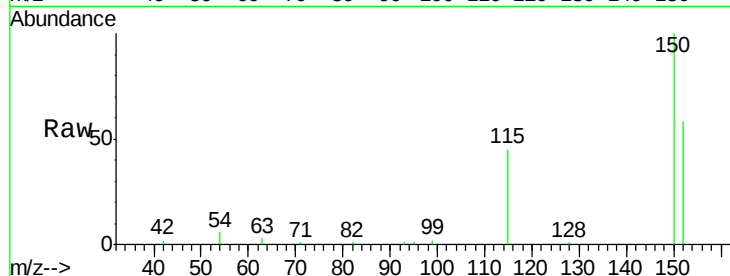
Tgt Ion:152 Resp: 7441

Ion Ratio Lower Upper

152 100

150 172.3 106.0 159.0#

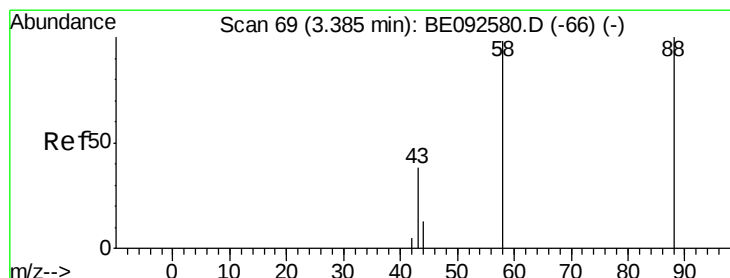
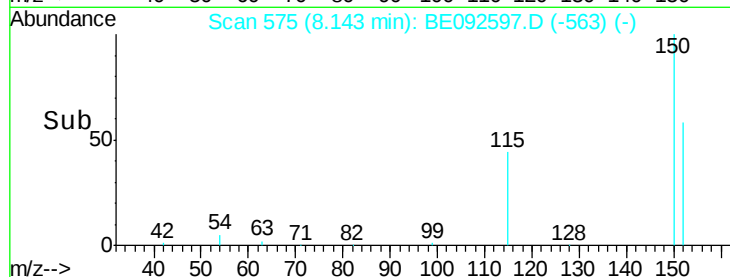
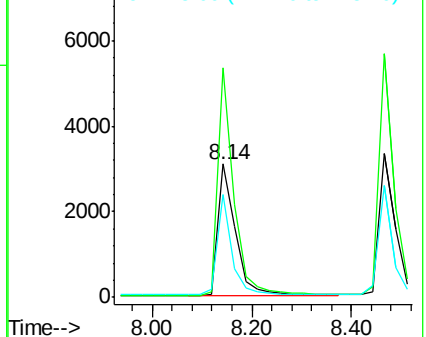
115 77.5 31.2 46.8#



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: 3.59 min Scan# 87

Delta R.T. 0.21 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

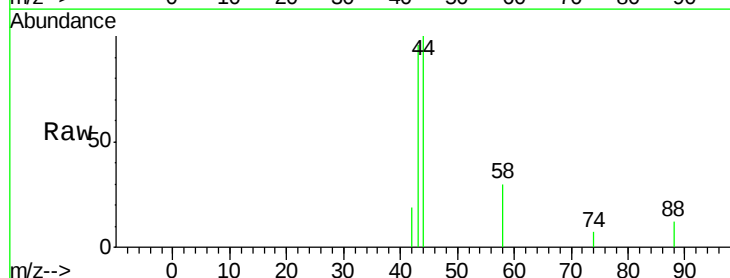
Tgt Ion: 88 Resp: 6

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

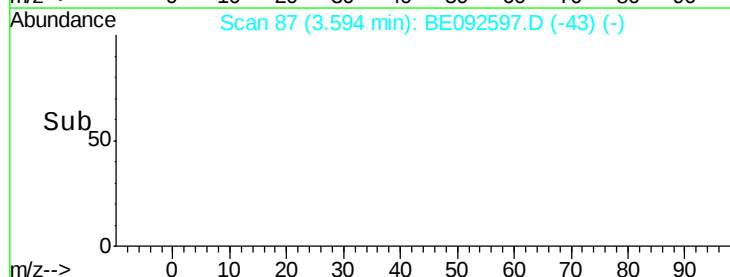
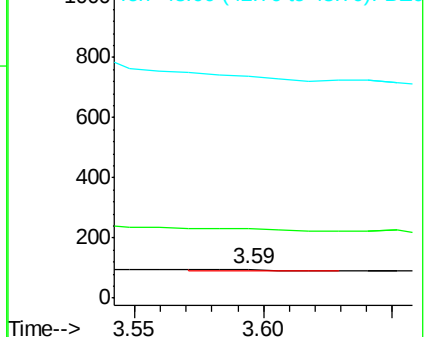
43 0.0 28.0 42.0#

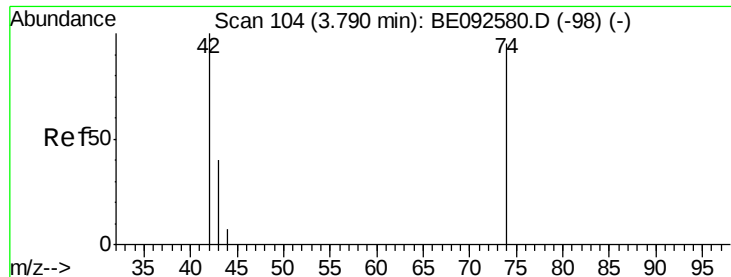


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.24 ng

RT: 3.88 min Scan# 112

Delta R.T. 0.10 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampleId :

FB

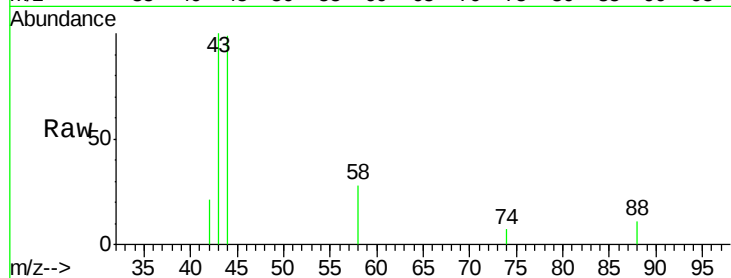
Tgt Ion: 42 Resp: 78

Ion Ratio Lower Upper

42 100

74 7.7 86.0 129.0#

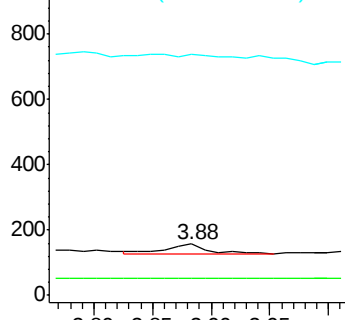
44 0.0 5.1 7.7#



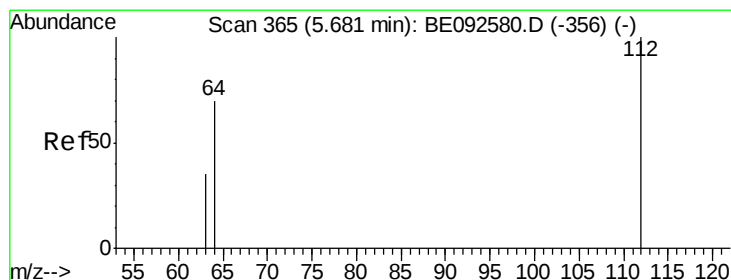
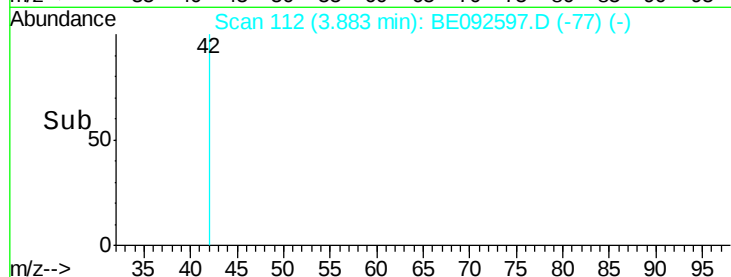
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 5.76 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

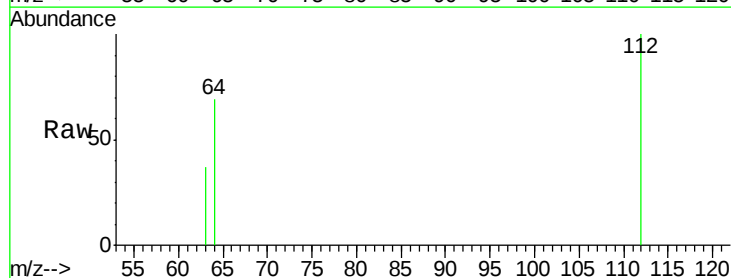
Tgt Ion: 112 Resp: 7235

Ion Ratio Lower Upper

112 100

64 68.6 53.5 80.3

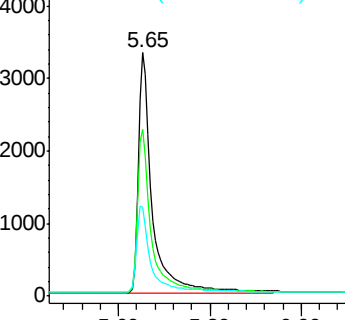
63 36.5 27.9 41.9



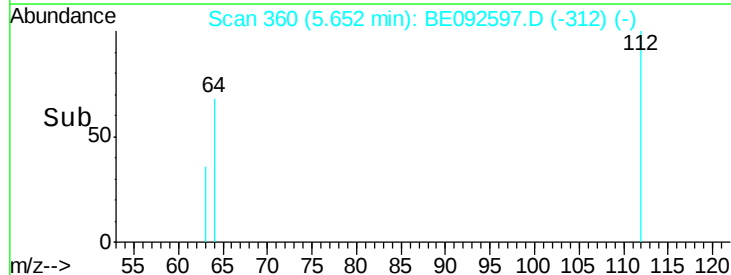
Abundance Ion 112.00 (111.70 to 112.70): E

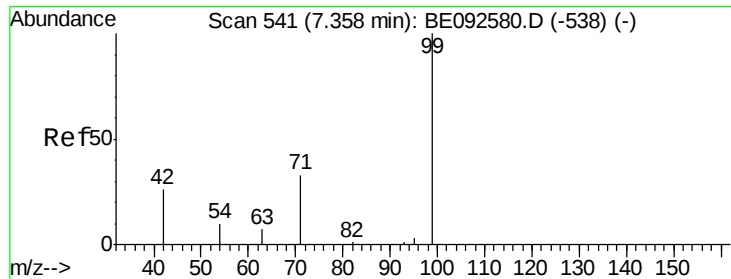
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 2.48 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampleId :

FB

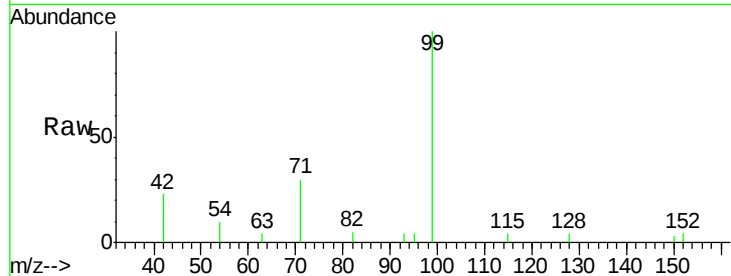
Tgt Ion: 99 Resp: 5035

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

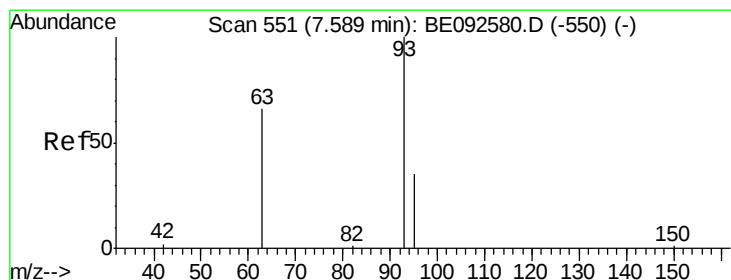
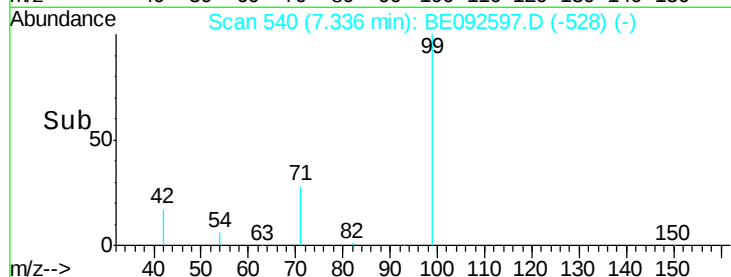
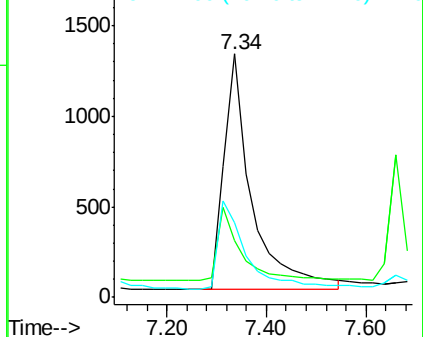
71 0.0 30.6 45.8#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.04 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

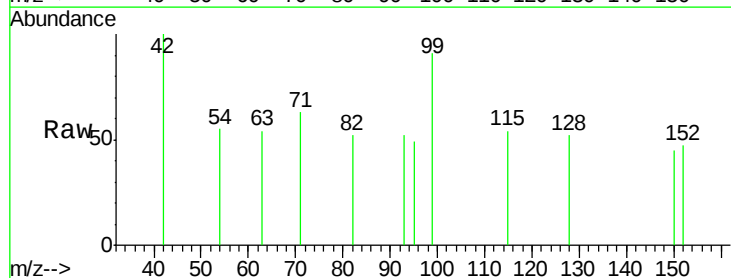
Tgt Ion: 93 Resp: 4

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

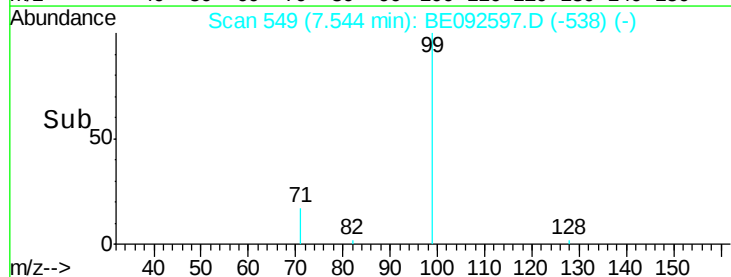
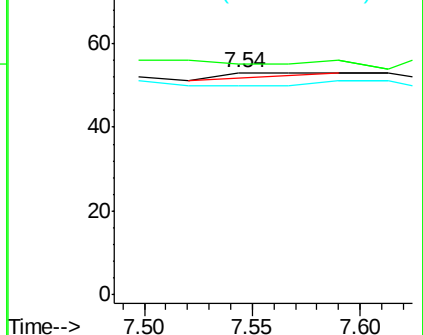
95 0.0 24.0 36.0#

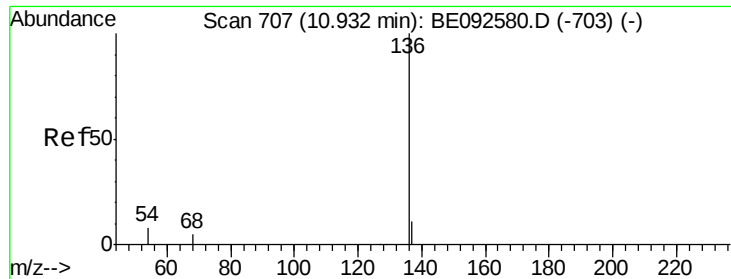


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampleId :

FB

Tgt Ion:136 Resp: 32166

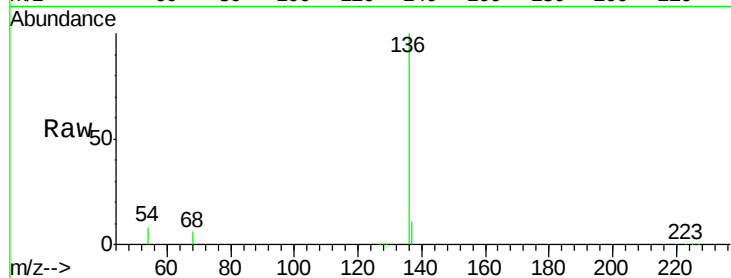
Ion Ratio Lower Upper

136 100

137 11.3 8.2 12.4

54 8.2 9.6 14.4#

68 5.9 6.7 10.1#

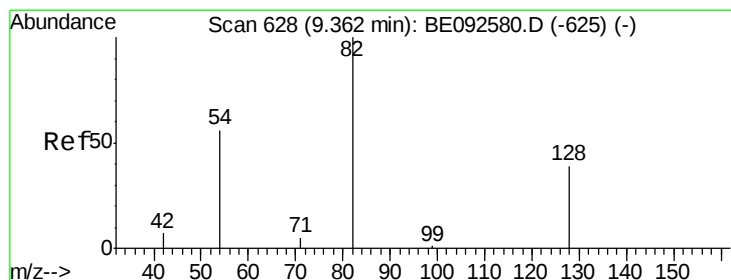
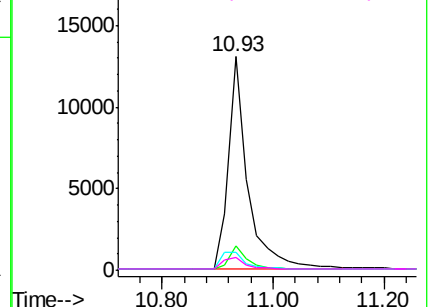
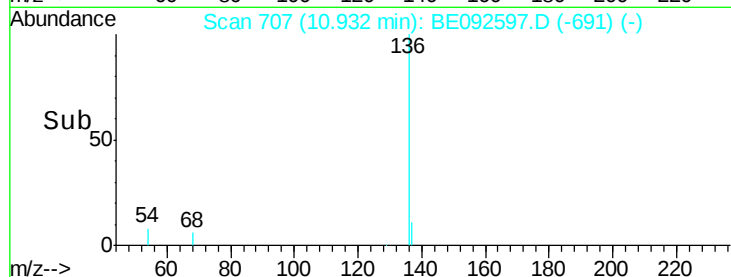


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 5.36 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.04 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

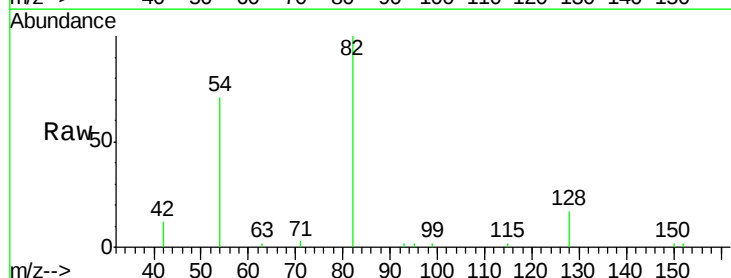
Tgt Ion: 82 Resp: 11195

Ion Ratio Lower Upper

82 100

128 16.7 39.0 58.4#

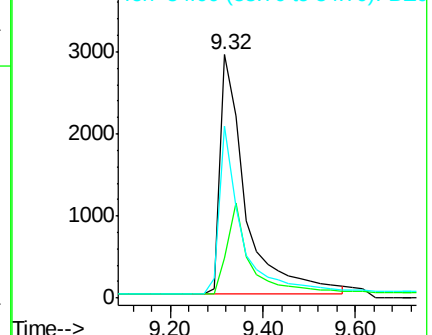
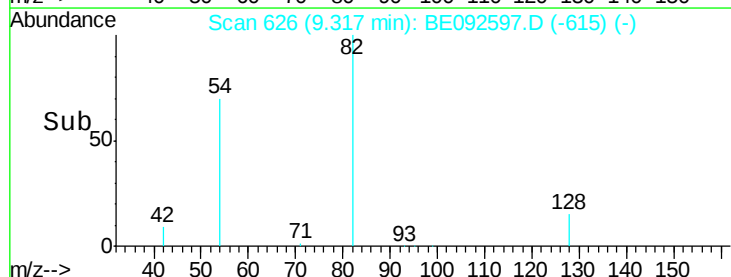
54 70.8 44.8 67.2#

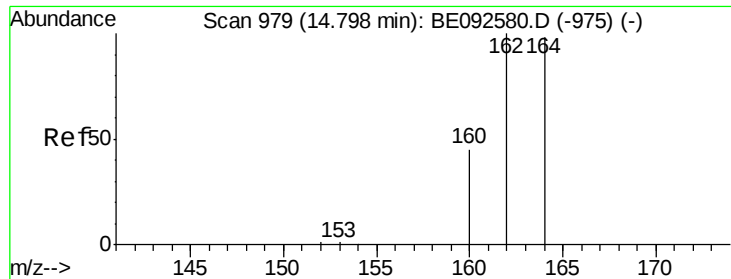


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampleId :

FB

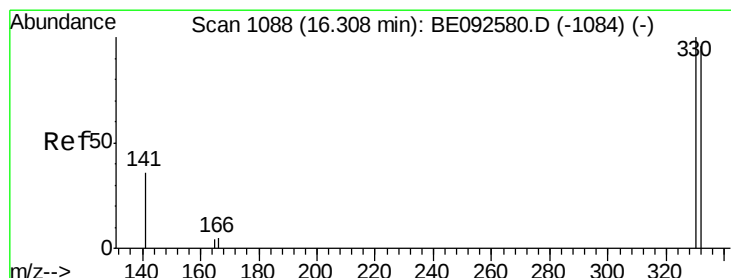
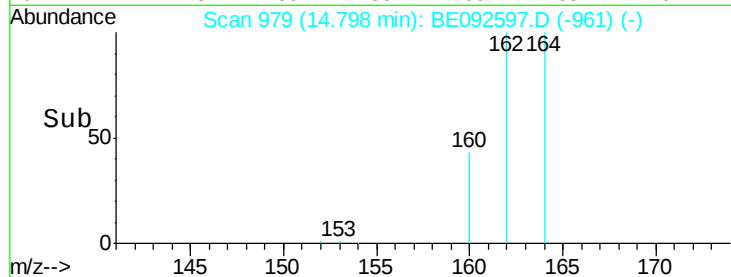
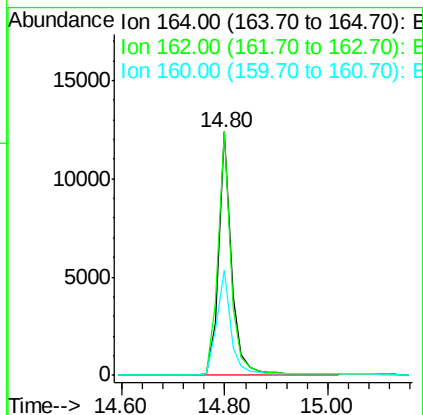
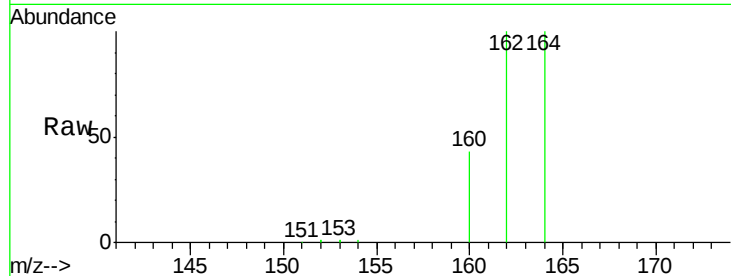
Tgt Ion:164 Resp: 21359

Ion Ratio Lower Upper

164 100

162 100.0 71.4 107.0

160 43.5 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 12.10 ng

RT: 16.30 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

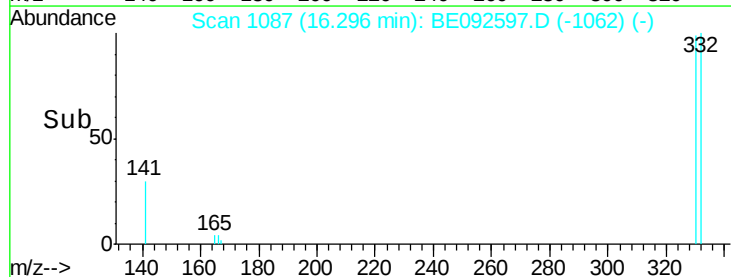
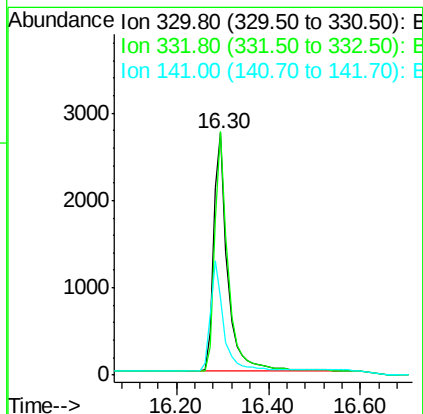
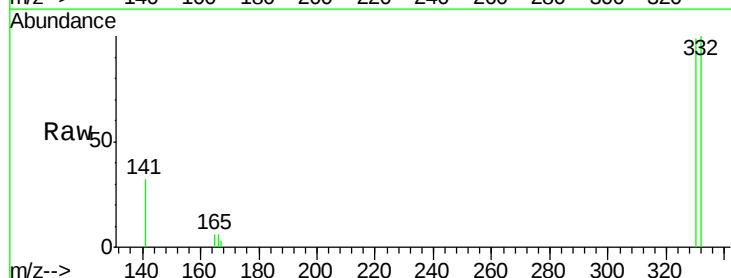
Tgt Ion:330 Resp: 5797

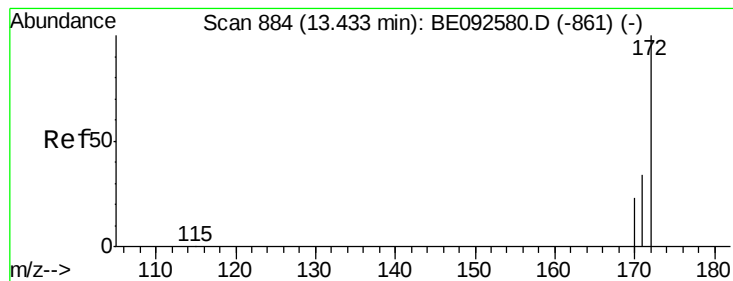
Ion Ratio Lower Upper

330 100

332 97.0 75.4 113.0

141 44.4 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 5.52 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampleId :

FB

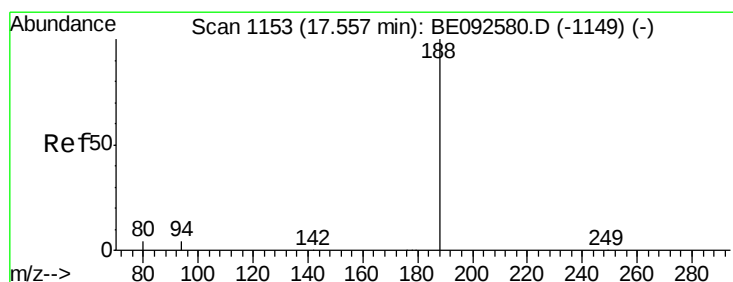
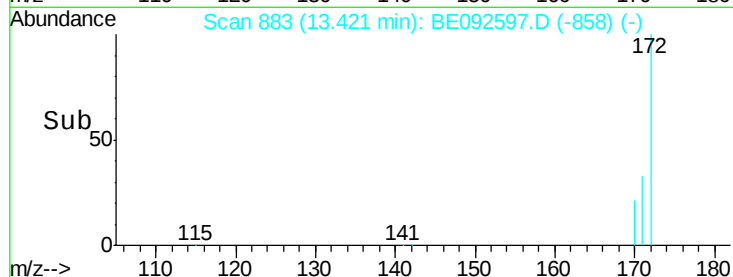
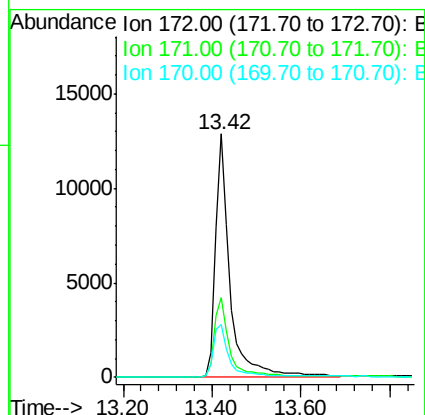
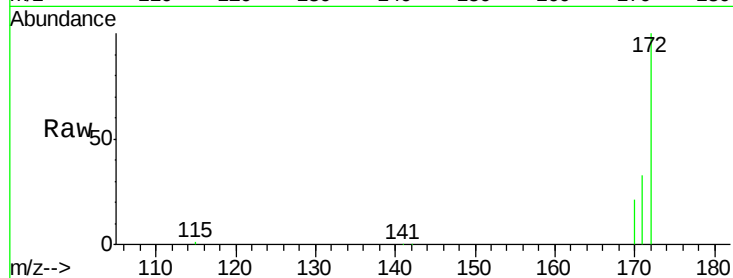
Tgt Ion:172 Resp: 28769

Ion Ratio Lower Upper

172 100

171 32.8 30.1 45.1

170 21.5 21.8 32.6#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

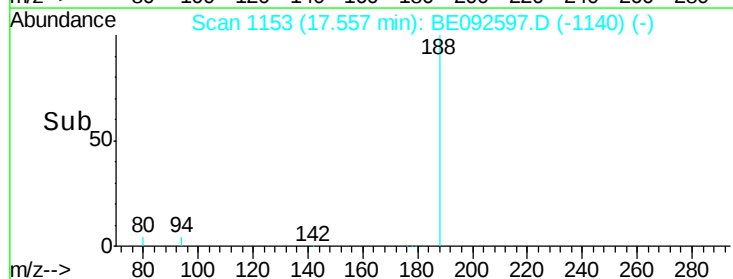
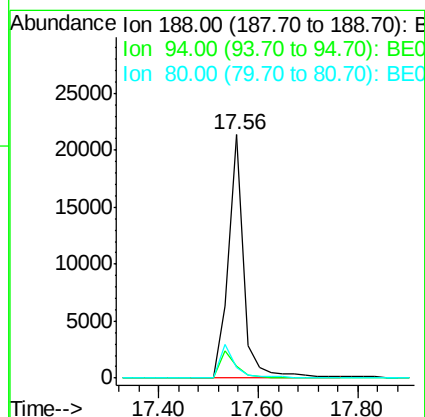
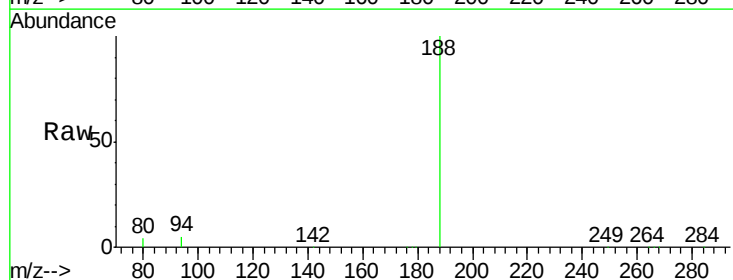
Tgt Ion:188 Resp: 45376

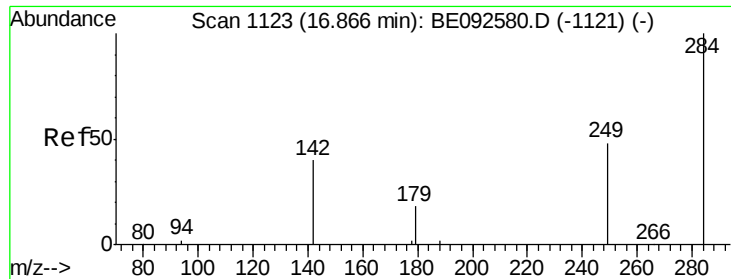
Ion Ratio Lower Upper

188 100

94 4.7 3.2 4.8

80 4.3 2.6 3.8#

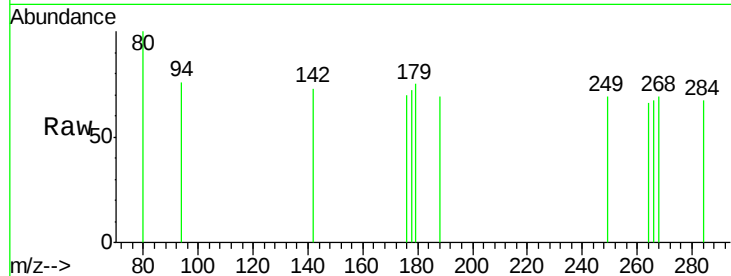




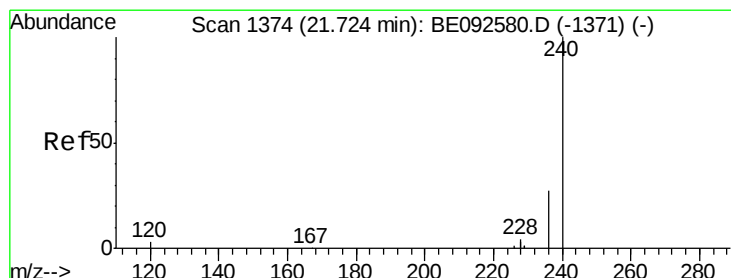
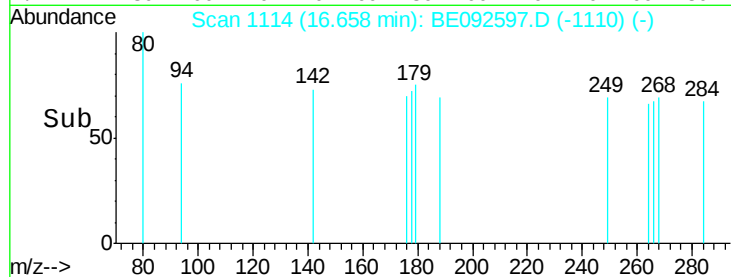
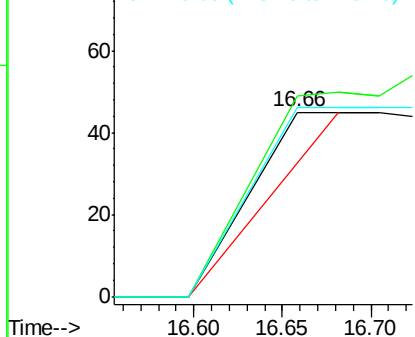
#19
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092597.D
Acq: 9 Dec 2016 17:20

Instrument :
BNA_E
ClientSampled :
FB

Tgt Ion: 284 Resp: 114
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 481.6 27.9 41.9#

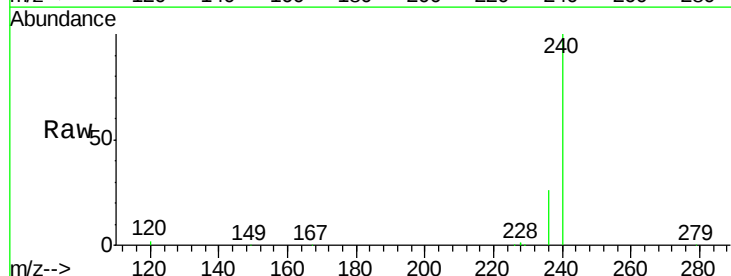


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

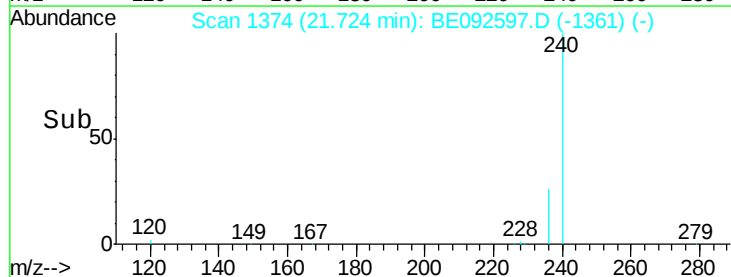
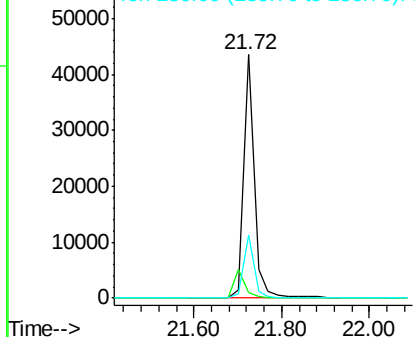


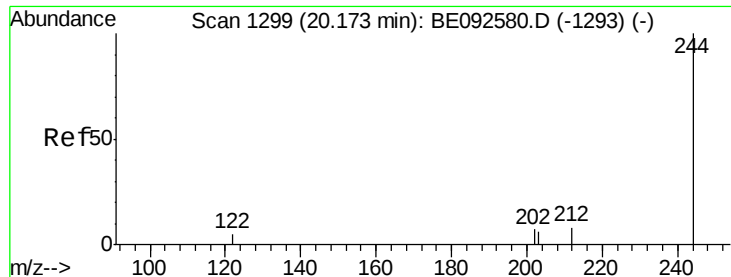
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092597.D
Acq: 9 Dec 2016 17:20

Tgt Ion: 240 Resp: 71866
Ion Ratio Lower Upper
240 100
120 2.4 2.6 4.0#
236 26.2 24.6 37.0



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

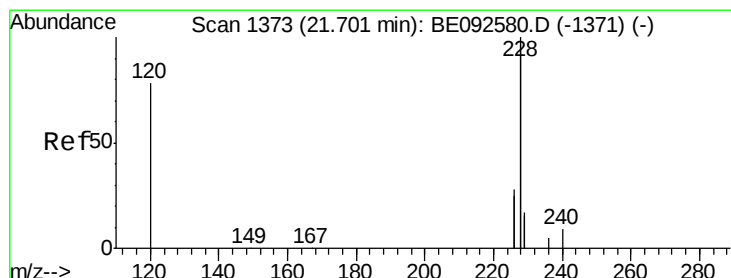
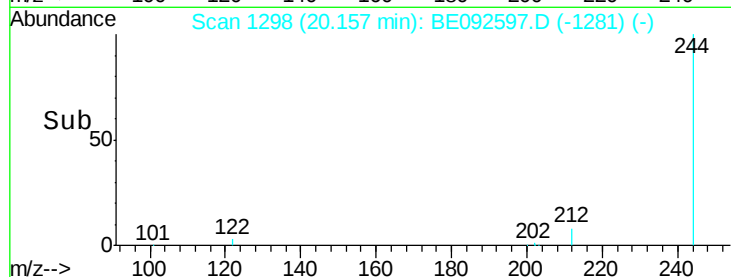
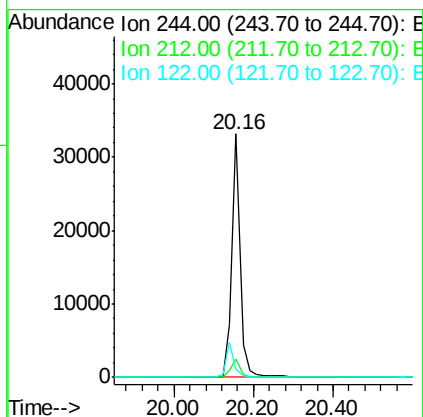
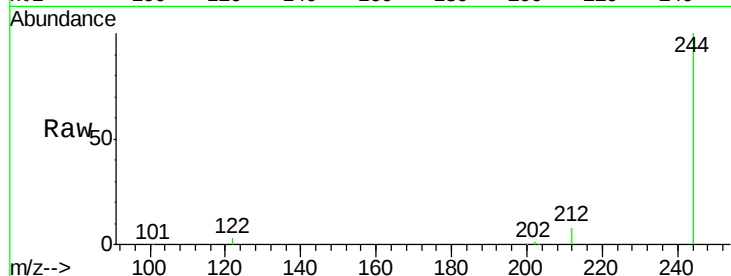




#26
 Terphenyl-d14
 Concen: 5.84 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092597.D
 Acq: 9 Dec 2016 17:20

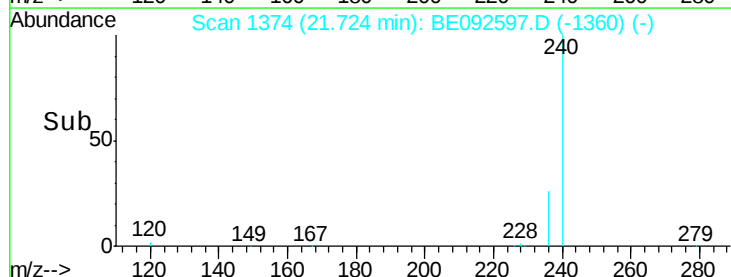
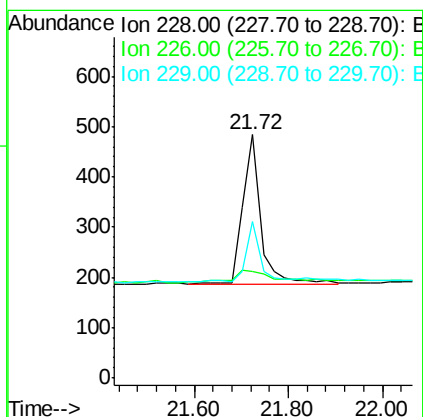
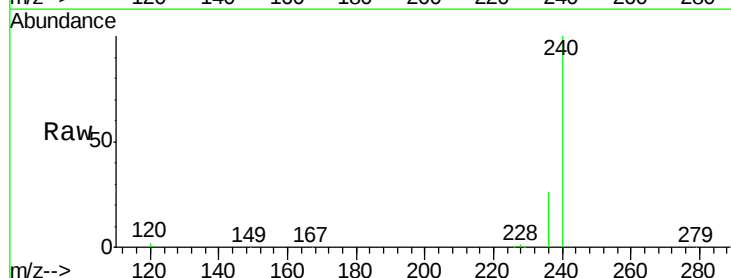
Instrument :
 BNA_E
 ClientSampleId :
 FB

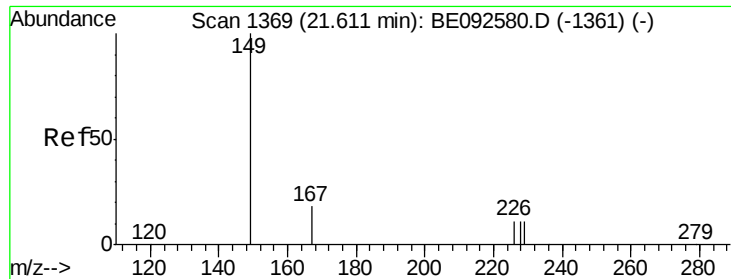
Tgt Ion: 244 Resp: 47958
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.7 10.1
 122 3.4 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.02 min
 Lab File: BE092597.D
 Acq: 9 Dec 2016 17:20

Tgt Ion: 228 Resp: 810
 Ion Ratio Lower Upper
 228 100
 226 43.8 23.6 35.4#
 229 64.0 13.3 19.9#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.31 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampleId :

FB

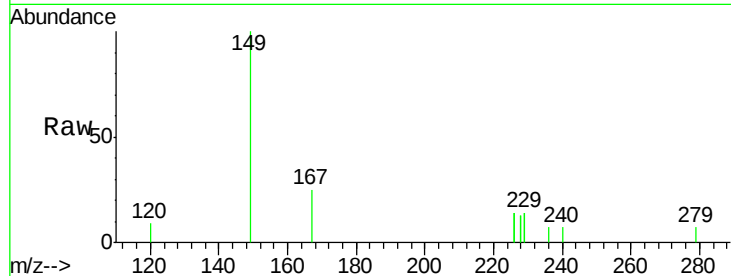
Tgt Ion:149 Resp: 927

Ion Ratio Lower Upper

149 100

167 22.8 16.0 24.0

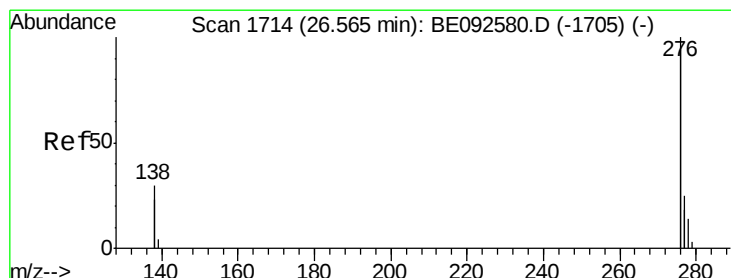
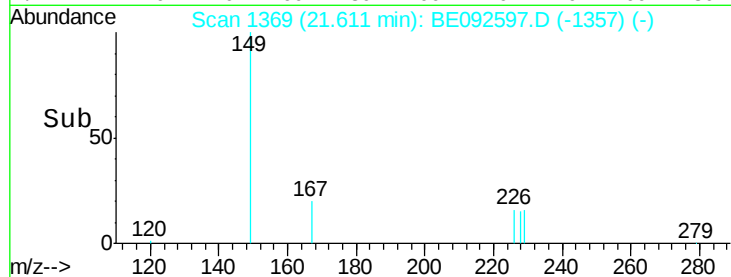
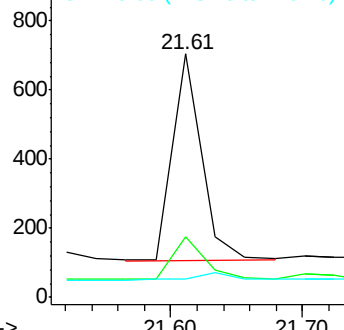
279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.05 min

Lab File: BE092597.D

Acq: 9 Dec 2016 17:20

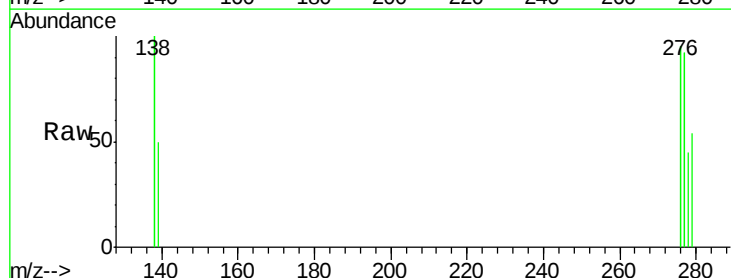
Tgt Ion:276 Resp: 112

Ion Ratio Lower Upper

276 100

138 0.0 20.3 30.5#

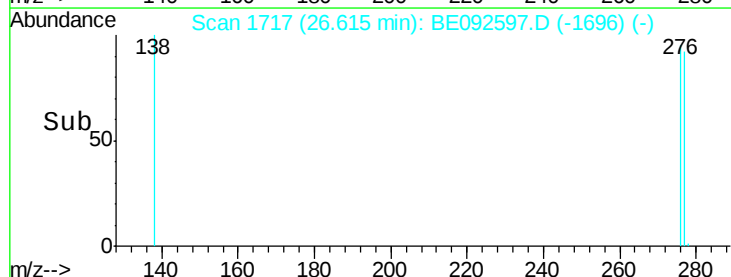
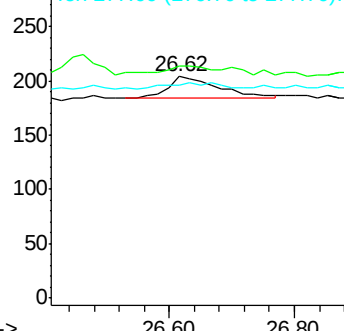
277 36.6 19.7 29.5#

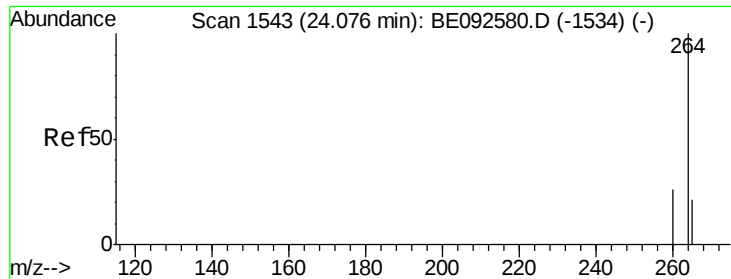


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092597.D

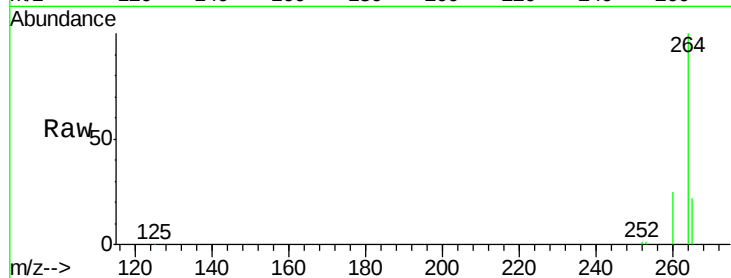
Acq: 9 Dec 2016 17:20

Instrument :

BNA_E

ClientSampleId :

FB



Tgt Ion: 264 Resp: 65368

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 22.3 17.9 26.9

