

Data Path : Z:\HPCHEM1\BNA E\Data\BE091216\
 Data File : BE092370.D
 Acq On : 12 Sep 2016 11:34
 Operator : UM/SJ
 Sample : H4722-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 12 12:22:12 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

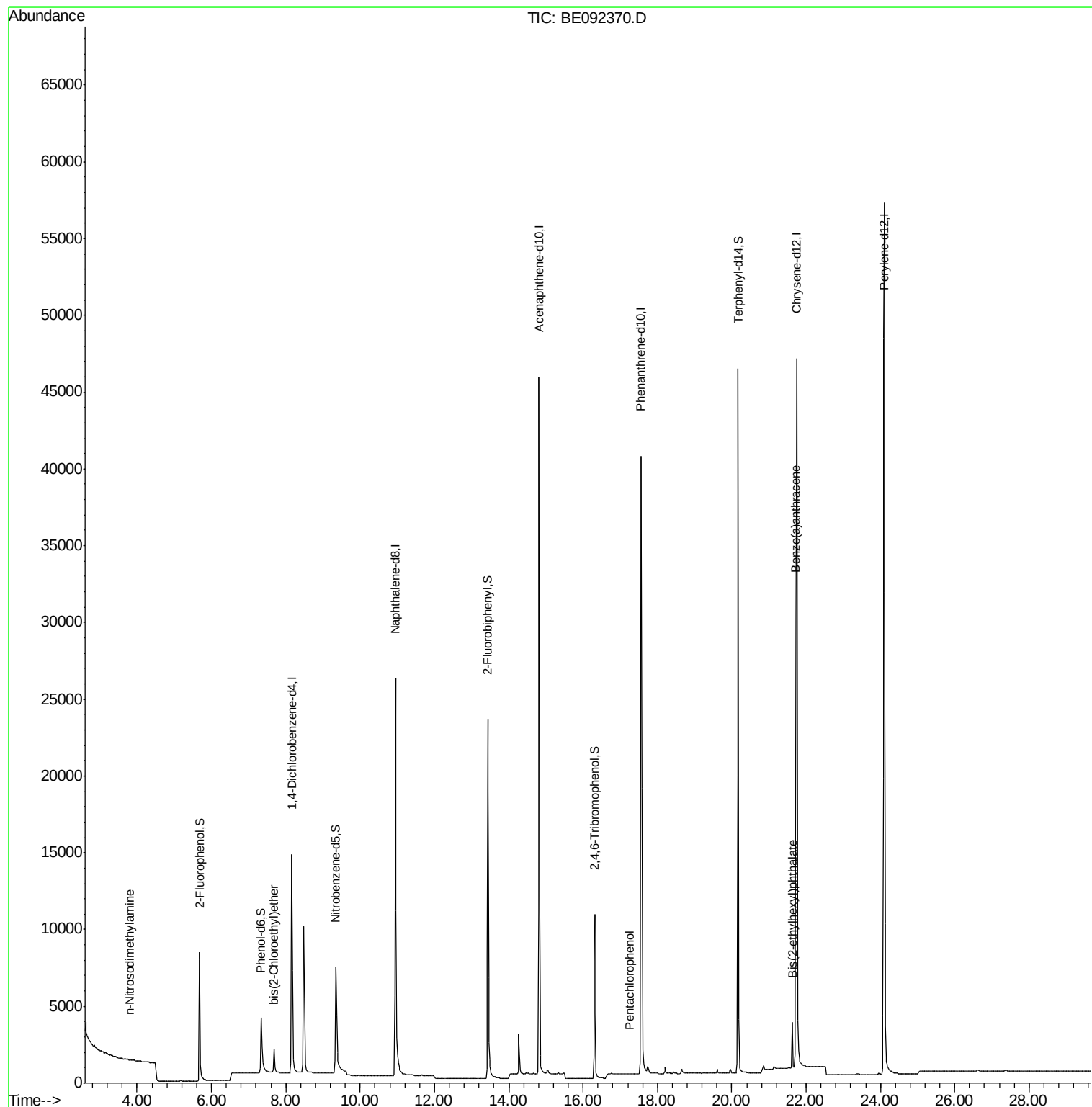
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9273	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	42275	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	28126	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	68426	5.00	ng	0.00
24) Chrysene-d12	21.75	240	77534	5.00	ng	0.00
31) Perylene-d12	24.10	264	84356	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	7736	3.51	ng	-0.01
5) Phenol-d6	7.34	99	5775	1.96	ng	-0.02
8) Nitrobenzene-d5	9.34	82	10040	3.31	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	7684	8.82	ng	0.00
14) 2-Fluorobiphenyl	13.43	172	28334	3.28	ng	-0.01
26) Terphenyl-d14	20.17	244	58925	5.14	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.42	88	53	Below Cal	#	18
3) n-Nitrosodimethylamine	3.81	42	11	0.08 ng	#	2
6) bis(2-Chloroethyl)ether	7.68	93	22	0.08 ng	#	1
20) Pentachlorophenol	17.26	266	6	0.06 ng	#	73
27) Benzo(a)anthracene	21.72	228	1766	0.02 ng	#	81
28) Chrysene	21.72	228	1774	Below Cal	#	69
29) Bis(2-ethylhexyl)phthalate	21.63	149	3309	0.30 ng	#	71

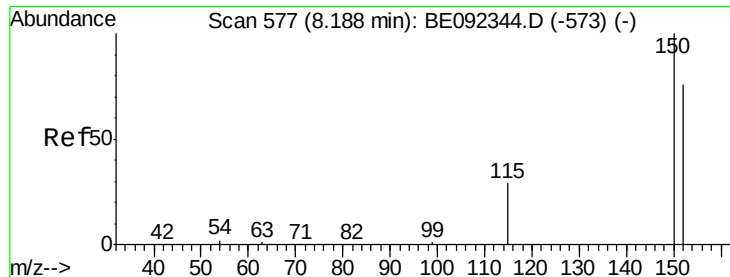
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\Data\BE091216\
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Misc :
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QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampleId :

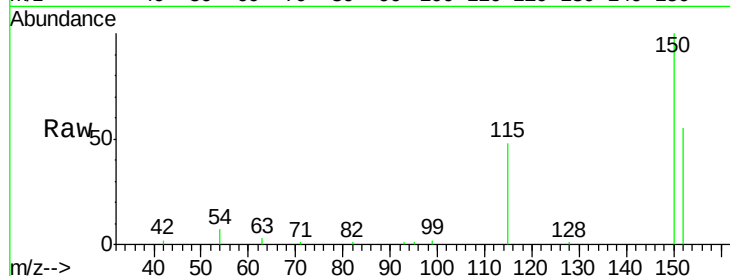
Tot Ion:152 Resp: 9273

Ion Ratio Lower Upper

152 100

150 182.3 106.0 159.0#

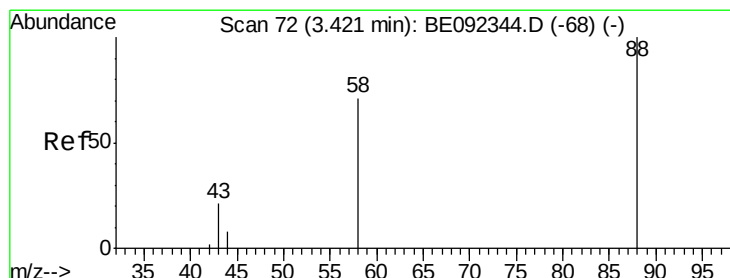
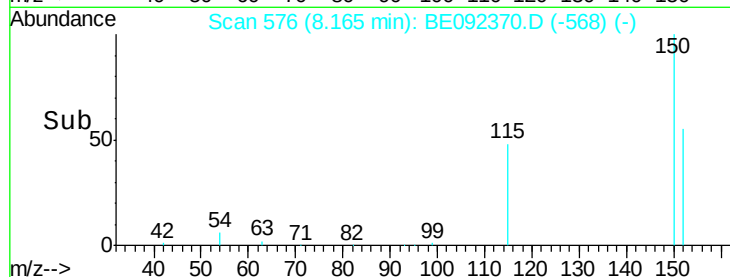
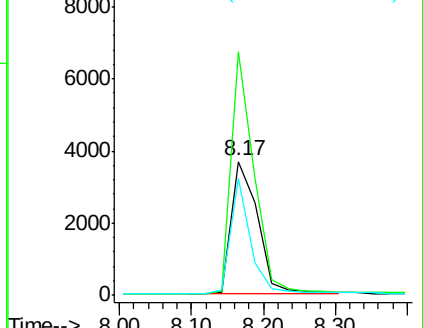
115 87.7 31.2 46.8#



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: 3.42 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

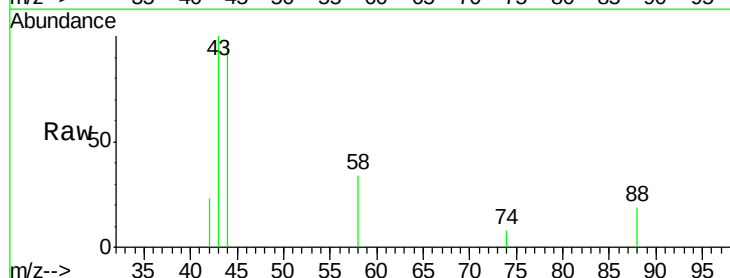
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 160.4 63.6 95.4#

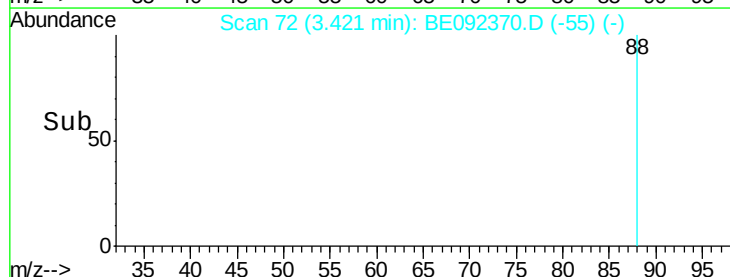
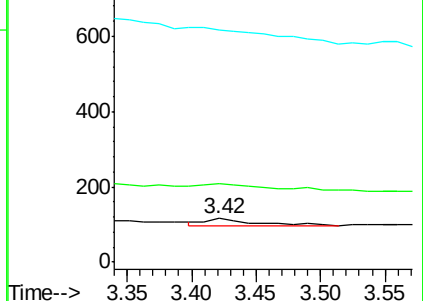
43 0.0 28.0 42.0#

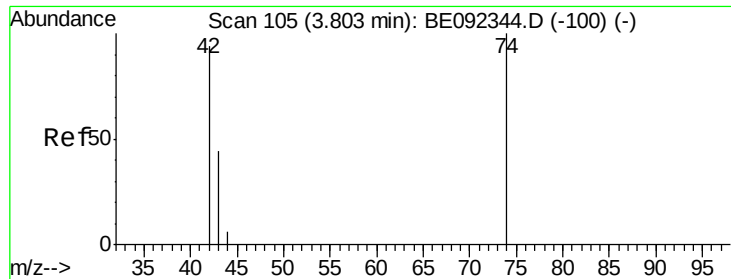


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.81 min Scan# 106

Delta R.T. 0.01 min

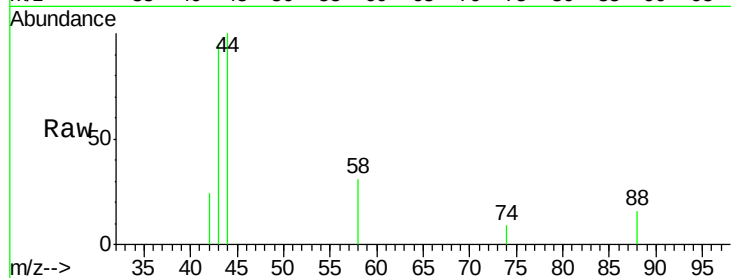
Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampleId :



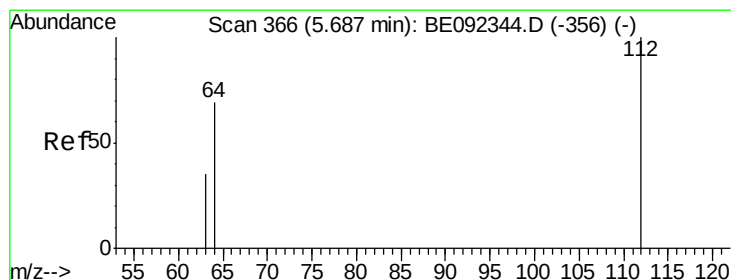
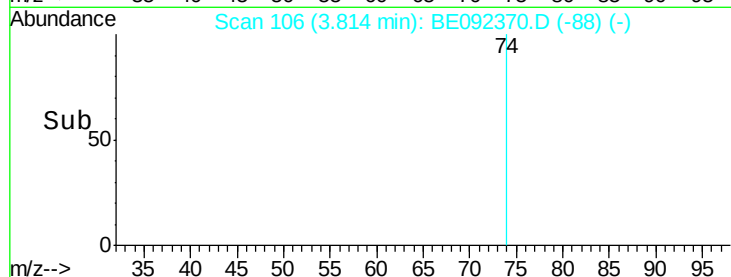
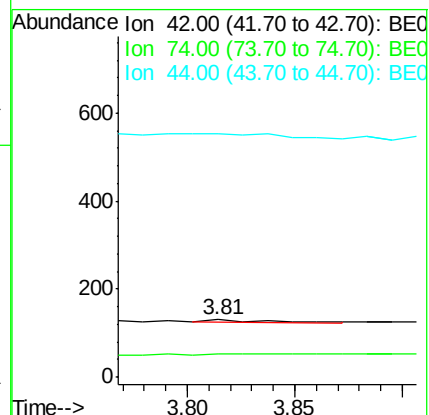
Tot Ion: 42 Resp: 11

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

44 0.0 5.1 7.7#



#4

2-Fluorophenol

Concen: 3.51 ng

RT: 5.68 min Scan# 364

Delta R.T. -0.01 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

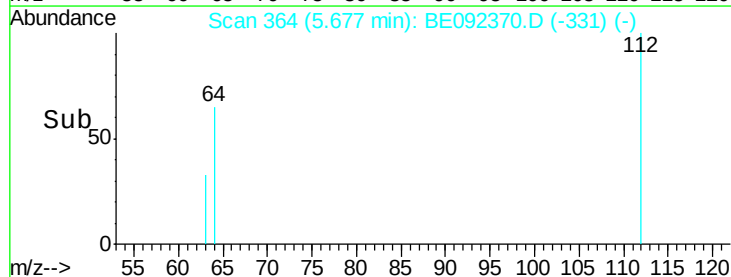
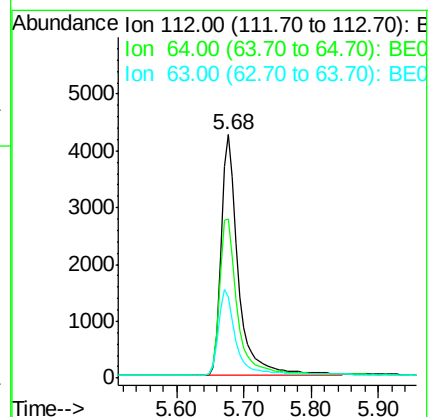
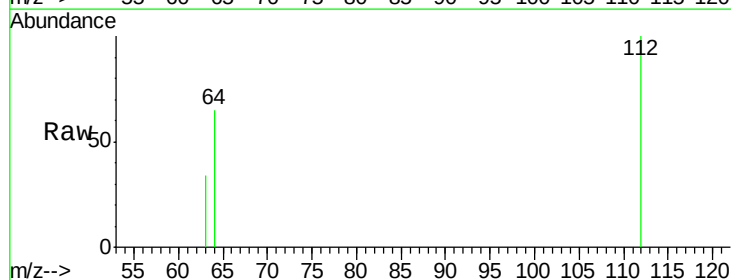
Tgt Ion: 112 Resp: 7736

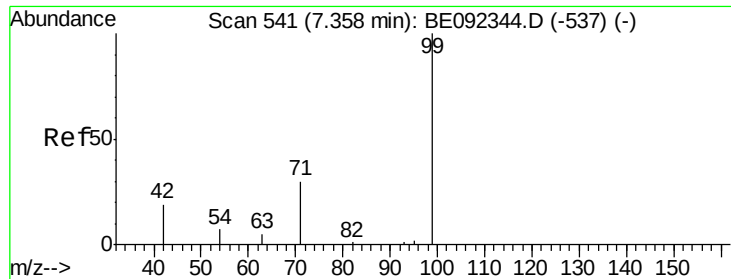
Ion Ratio Lower Upper

112 100

64 67.5 53.5 80.3

63 36.0 27.9 41.9





#5

Phenol-d6

Concen: 1.96 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampleId :

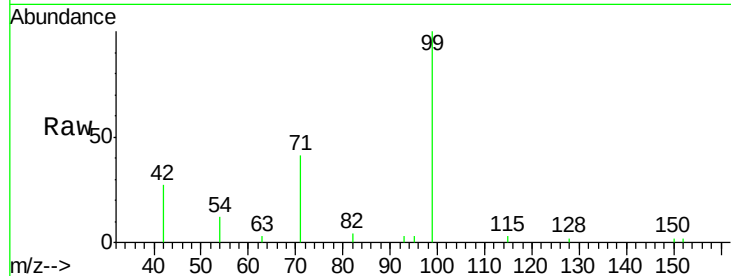
Tot Ion: 99 Resp: 5775

Ion Ratio Lower Upper

99 100

42 23.7 16.0 24.0

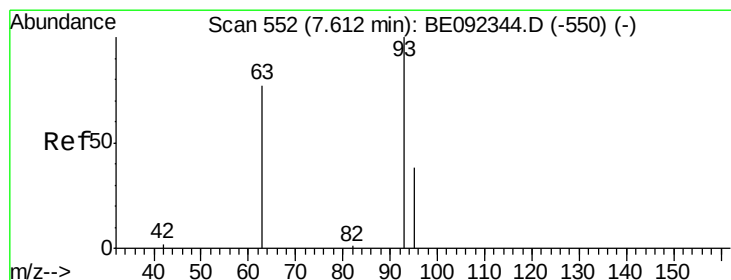
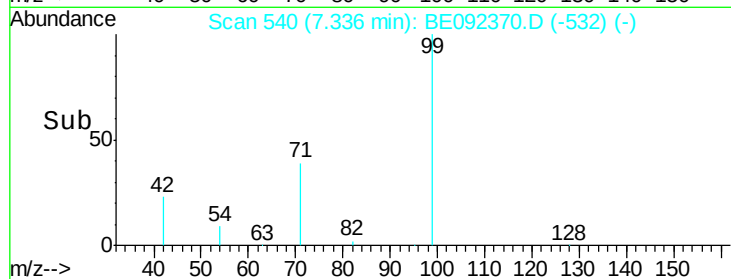
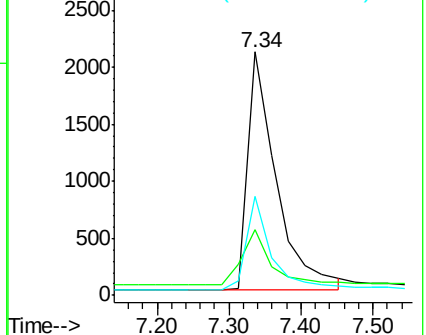
71 34.3 30.6 45.8



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: 0.08 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.07 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

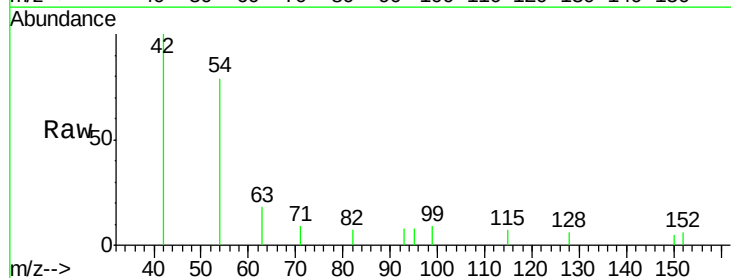
Tgt Ion: 93 Resp: 22

Ion Ratio Lower Upper

93 100

63 836.4 71.6 107.4#

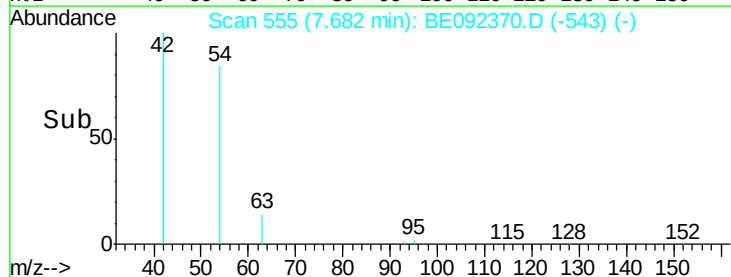
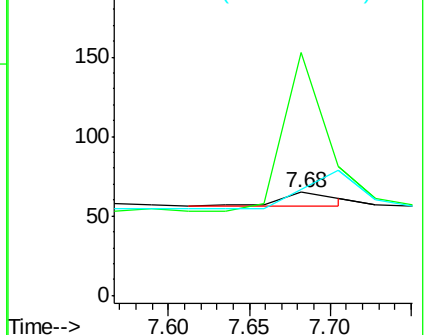
95 0.0 24.0 36.0#

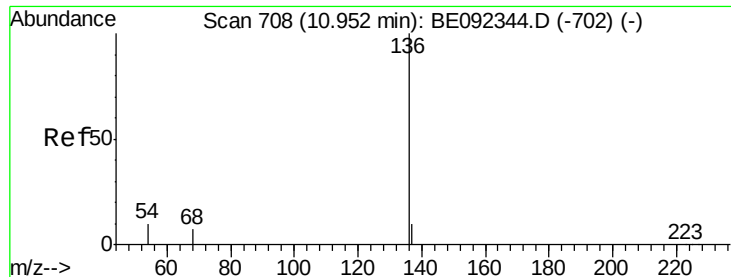


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 42275

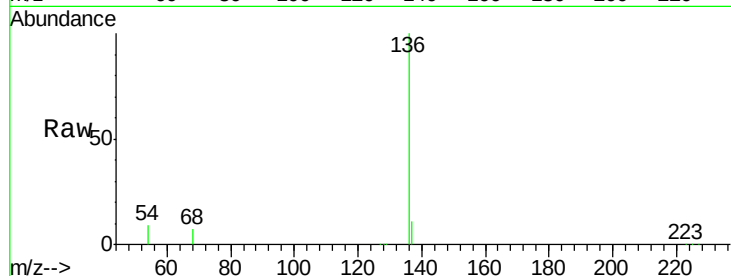
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 9.0 9.6 14.4#

68 6.6 6.7 10.1#

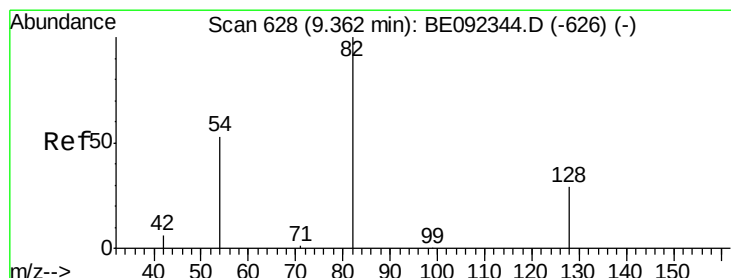
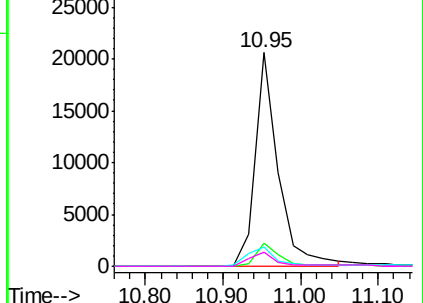
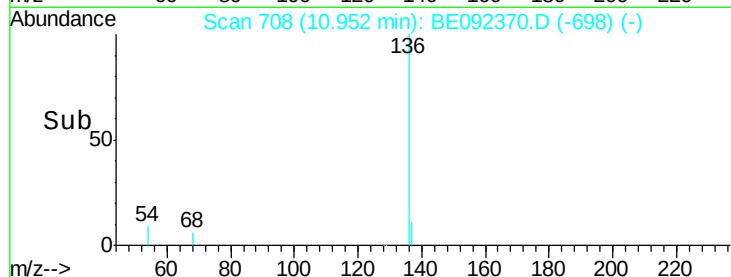


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.31 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

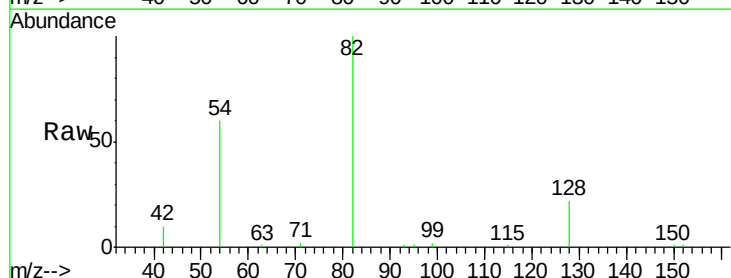
Tgt Ion: 82 Resp: 10040

Ion Ratio Lower Upper

82 100

128 22.5 39.0 58.4#

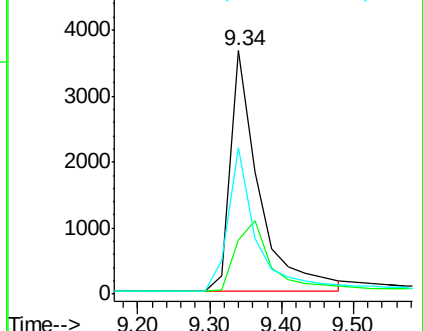
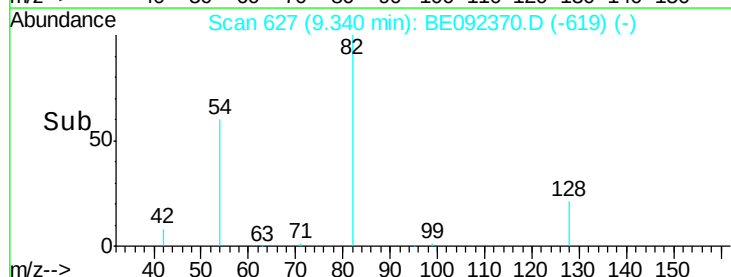
54 60.2 44.8 67.2

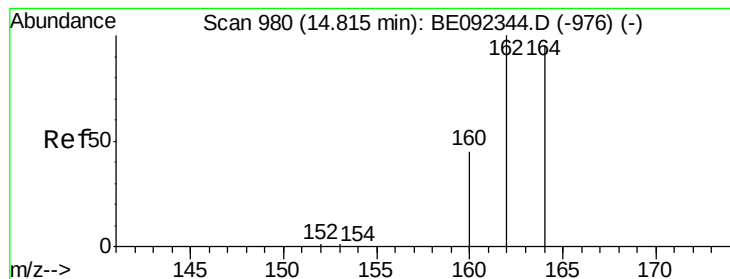


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampleId :

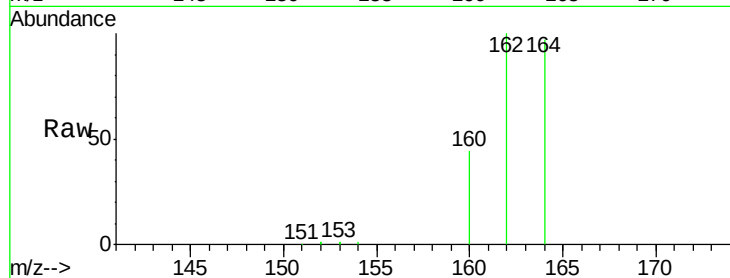
Tot Ion:164 Resp: 28126

Ion Ratio Lower Upper

164 100

162 103.0 71.4 107.0

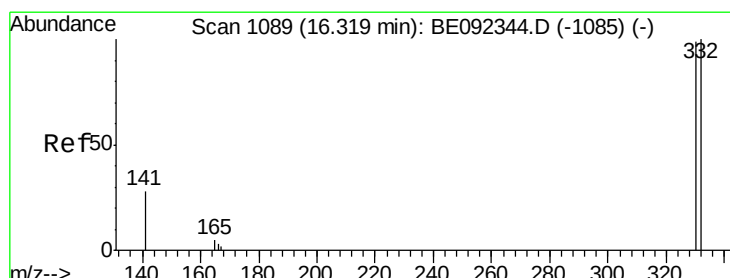
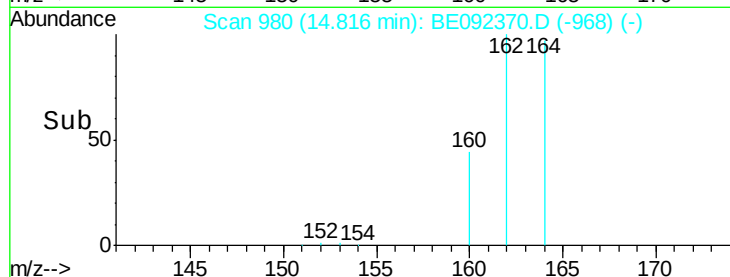
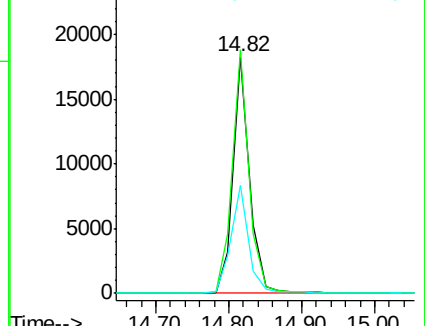
160 45.8 27.4 41.2#



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: 8.82 ng

RT: 16.31 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

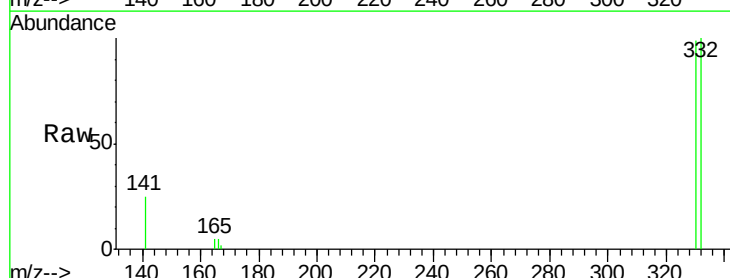
Tgt Ion:330 Resp: 7684

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.0

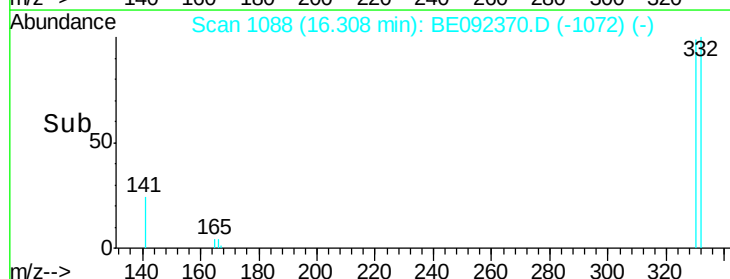
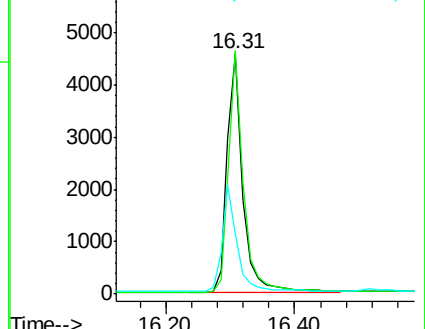
141 42.8 31.0 46.6

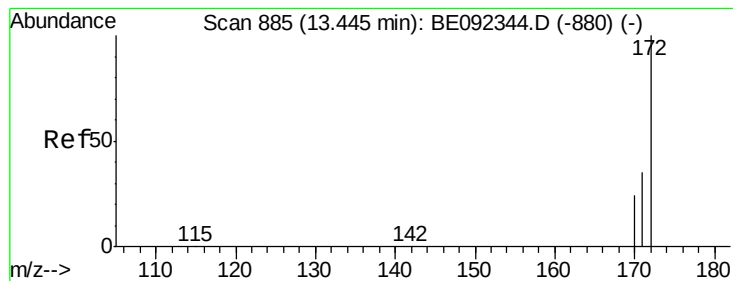


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

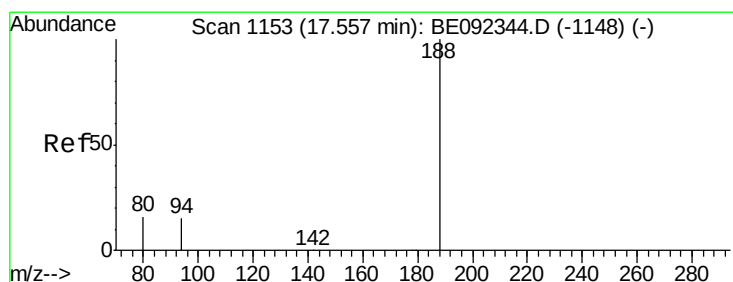
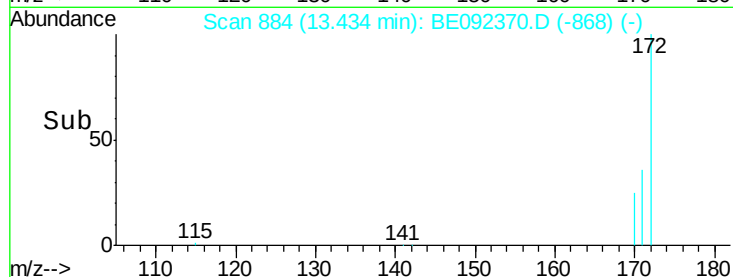
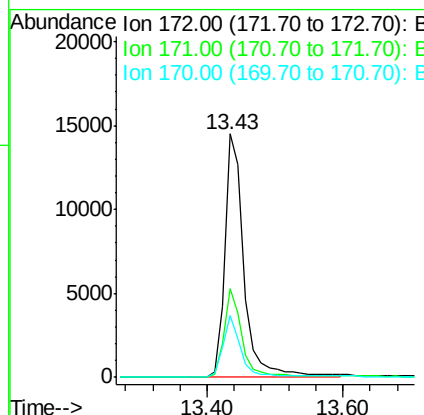
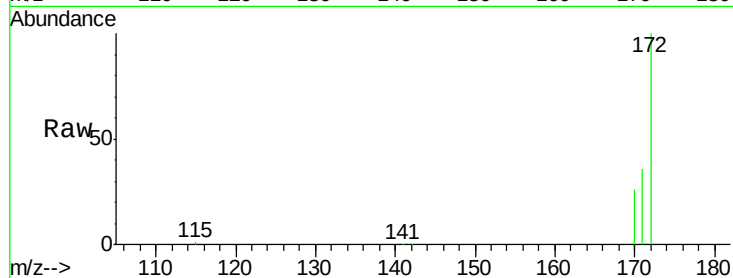




#14
2-Fluorobiphenyl
Concen: 3.28 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092370.D
Acq: 12 Sep 2016 11:34

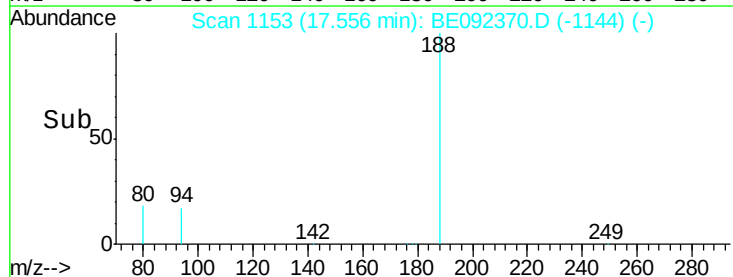
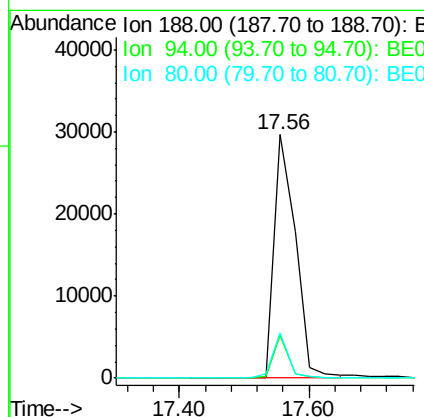
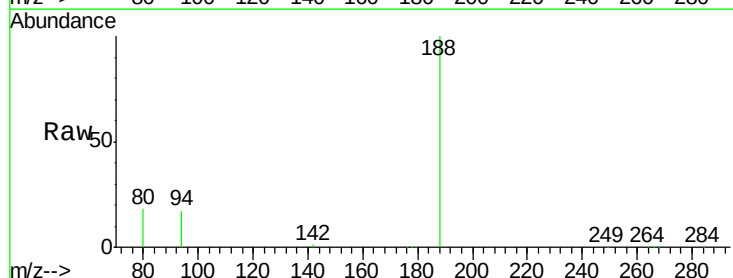
Instrument :
BNA_E
ClientSampleId :

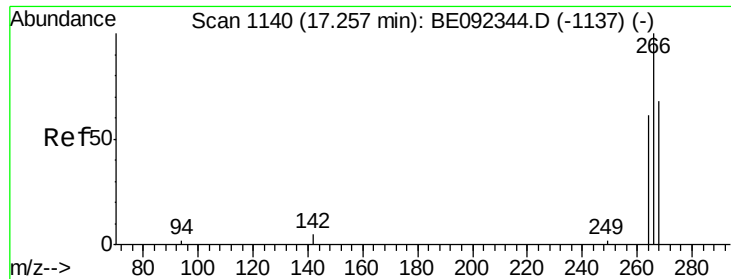
Tot Ion:172 Resp: 28334
Ion Ratio Lower Upper
172 100
171 36.4 30.1 45.1
170 25.5 21.8 32.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092370.D
Acq: 12 Sep 2016 11:34

Tgt Ion:188 Resp: 68426
Ion Ratio Lower Upper
188 100
94 17.3 3.2 4.8#
80 18.4 2.6 3.8#





#20

Pentachlorophenol

Concen: 0.06 ng

RT: 17.26 min Scan# 1140

Delta R.T. -0.00 min

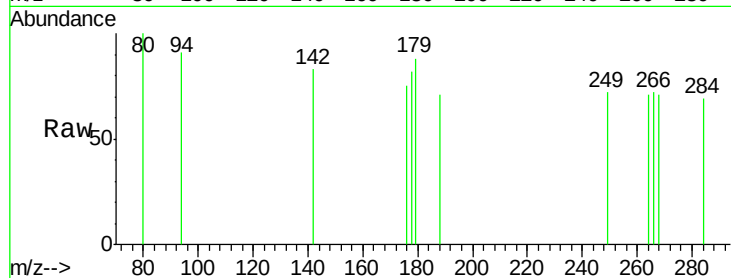
Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampleId :



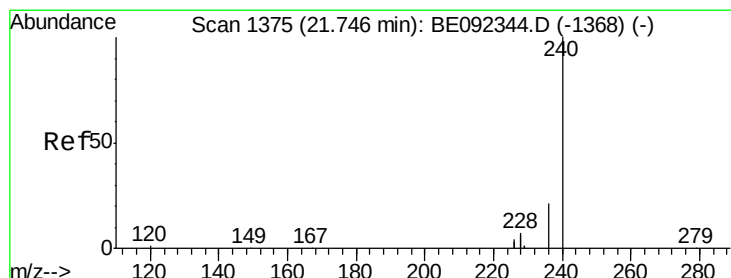
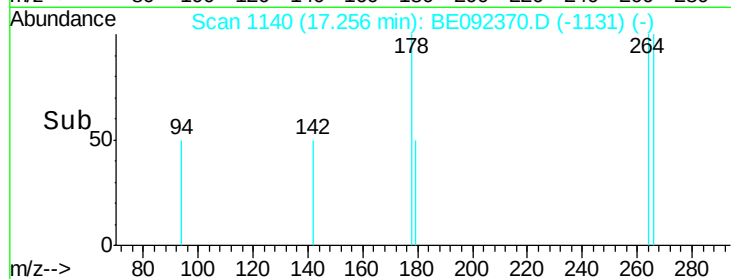
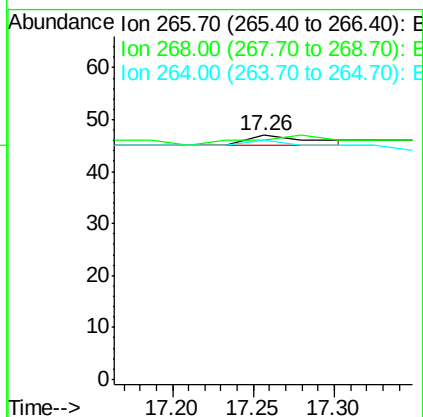
Tot Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

268 97.9 62.5 93.7#

264 97.9 57.2 85.8#



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

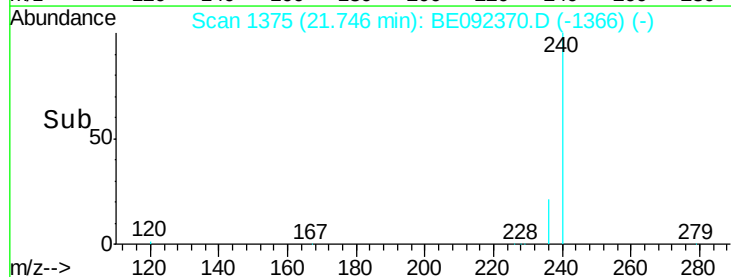
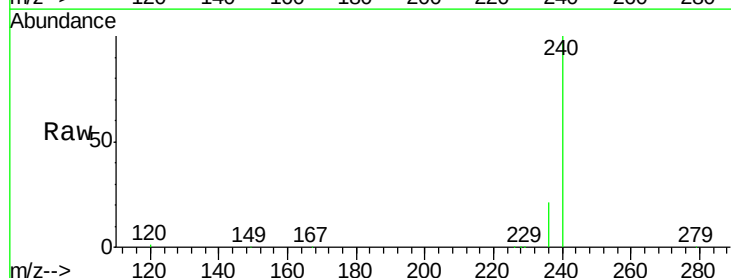
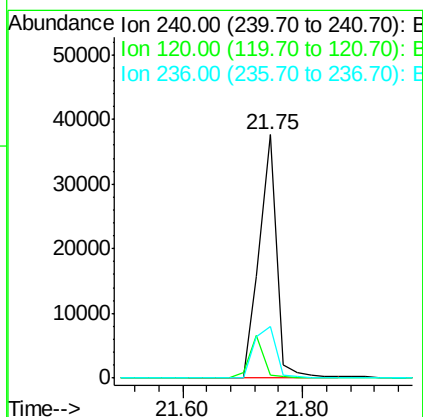
Tgt Ion:240 Resp: 77534

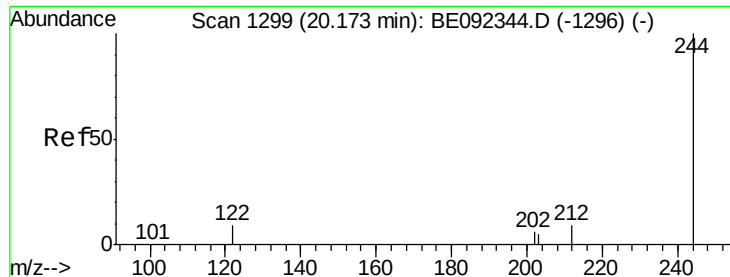
Ion Ratio Lower Upper

240 100

120 1.1 2.6 4.0#

236 21.5 24.6 37.0#

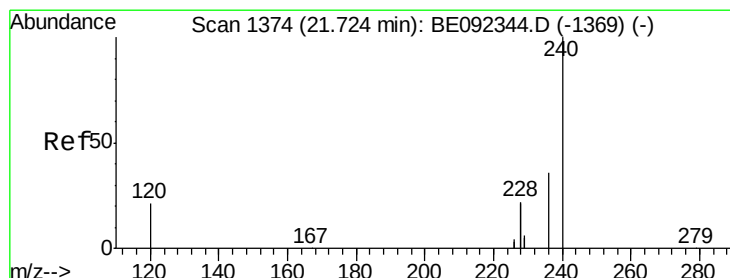
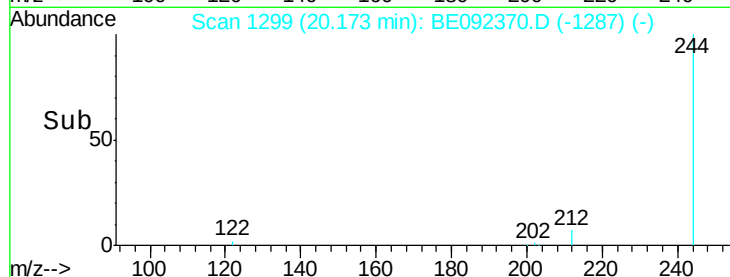
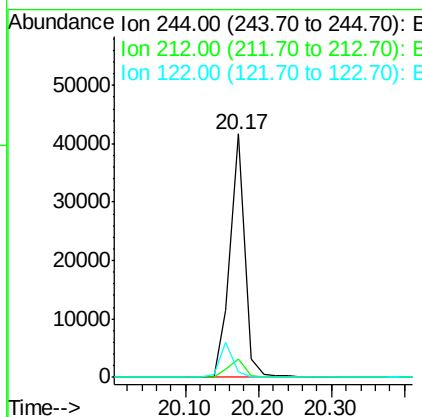
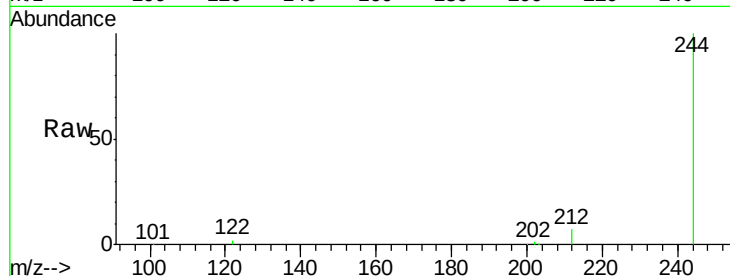




#26
 Terphenyl-d14
 Concen: 5.14 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BE092370.D
 Acq: 12 Sep 2016 11:34

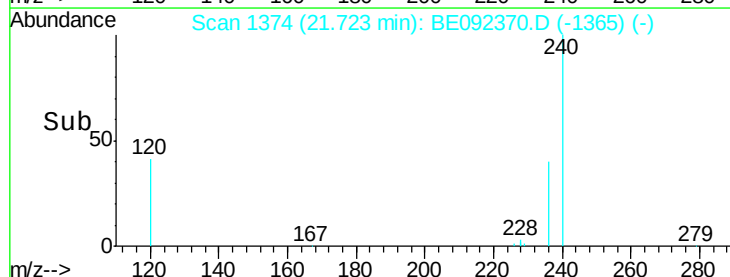
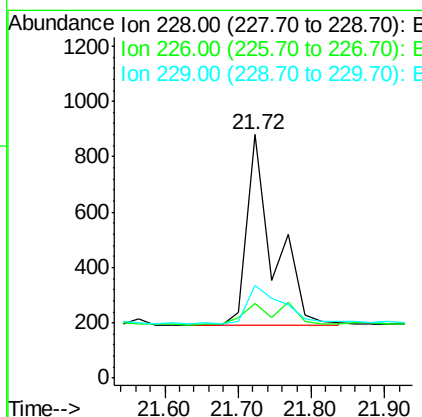
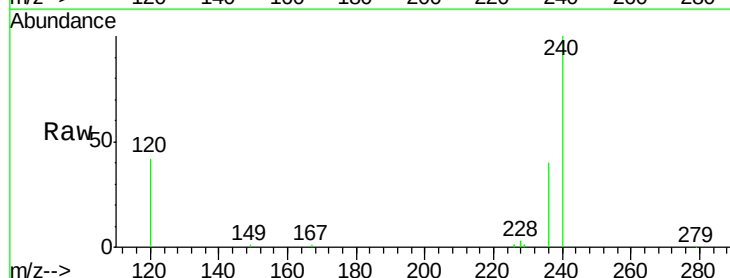
Instrument :
 BNA_E
 ClientSampled :

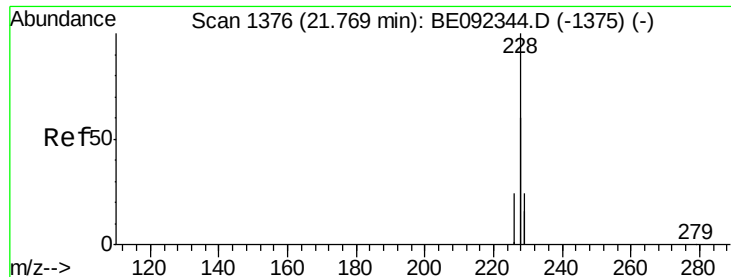
Tot Ion:244 Resp: 58925
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.7 10.1
 122 2.3 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BE092370.D
 Acq: 12 Sep 2016 11:34

Tgt Ion:228 Resp: 1766
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.6 35.4
 229 38.2 13.3 19.9#





#28

Chrysene

Concen: Below Cal

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampled :

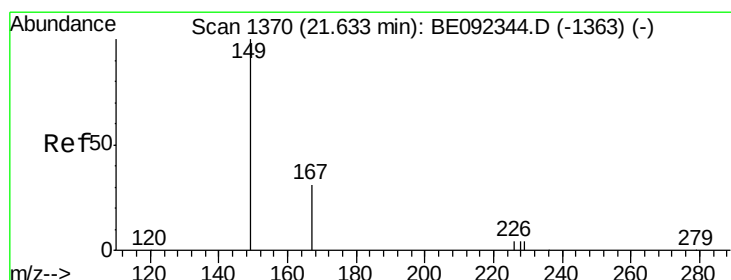
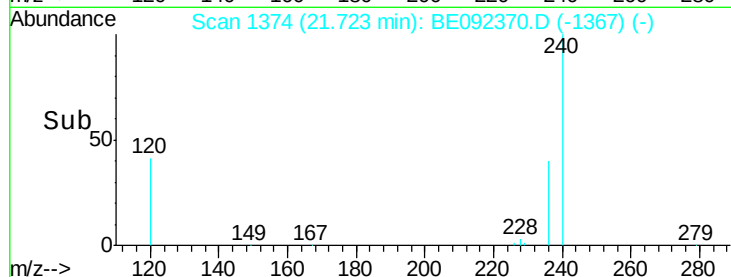
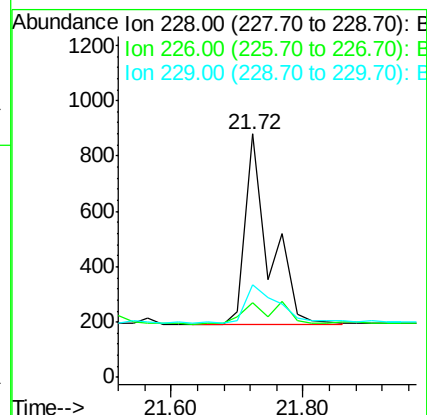
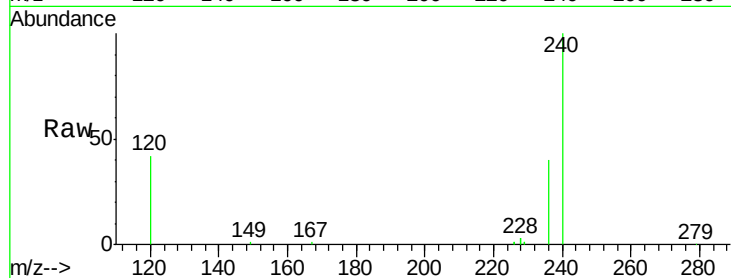
Tot Ion:228 Resp: 1774

Ion Ratio Lower Upper

228 100

226 30.7 36.3 54.5#

229 38.2 10.6 16.0#



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 21.63 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

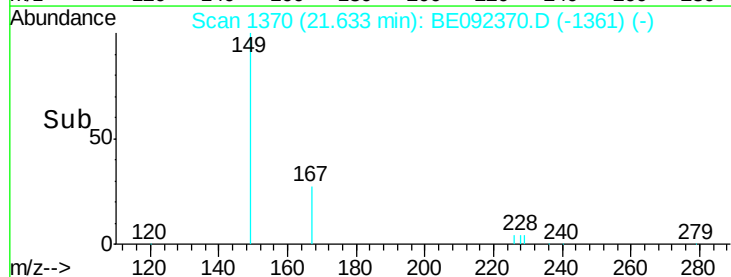
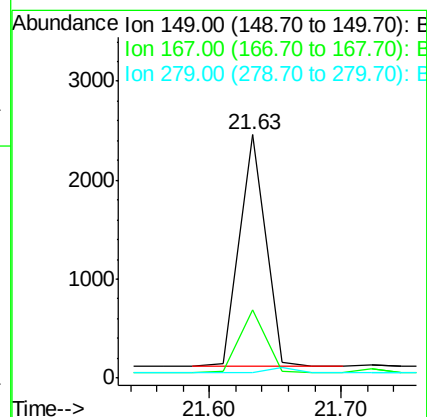
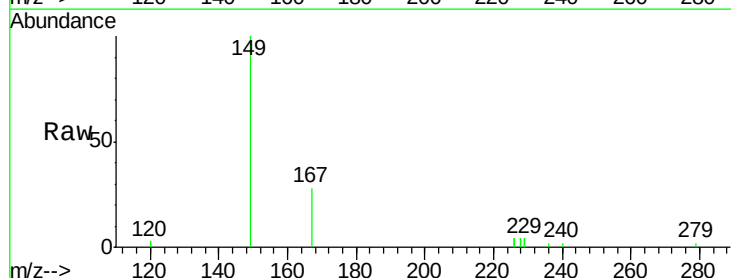
Tgt Ion:149 Resp: 3309

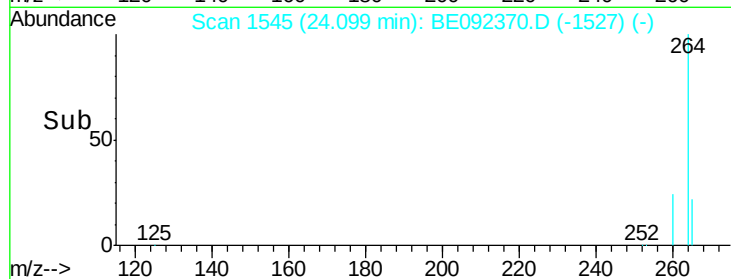
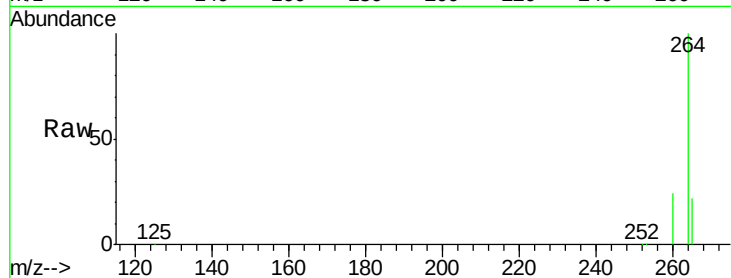
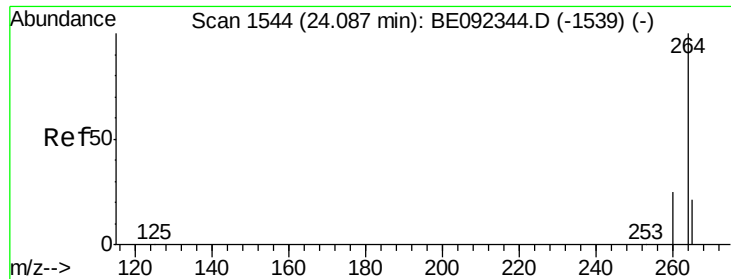
Ion Ratio Lower Upper

149 100

167 26.7 16.0 24.0#

279 0.0 16.0 24.0#





#31

Pervlene-d12

Concen: 5.00 ng

RT: 24.10 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BE092370.D

Acq: 12 Sep 2016 11:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 264 Resp: 84356

Ion Ratio Lower Upper

264 100

260 24.1 20.1 30.1

265 22.1 17.9 26.9

