

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120916\
 Data File : BE092596.D
 Acq On : 9 Dec 2016 16:42
 Operator : UM/SJ
 Sample : H5923-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Quant Time: Dec 09 23:08:30 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	8264	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	36515	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	25454	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	55394	5.00	ng	0.00
24) Chrysene-d12	21.72	240	81386	5.00	ng	0.00
31) Perylene-d12	24.08	264	74348	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	7429	5.32	ng	-0.02
5) Phenol-d6	7.34	99	5542	2.46	ng	-0.02
8) Nitrobenzene-d5	9.32	82	11967	5.05	ng	-0.04
13) 2,4,6-Tribromophenol	16.28	330	6957	12.18	ng	-0.02
14) 2-Fluorobiphenyl	13.42	172	31760	5.12	ng	-0.01
26) Terphenyl-d14	20.16	244	54482	5.85	ng	-0.02

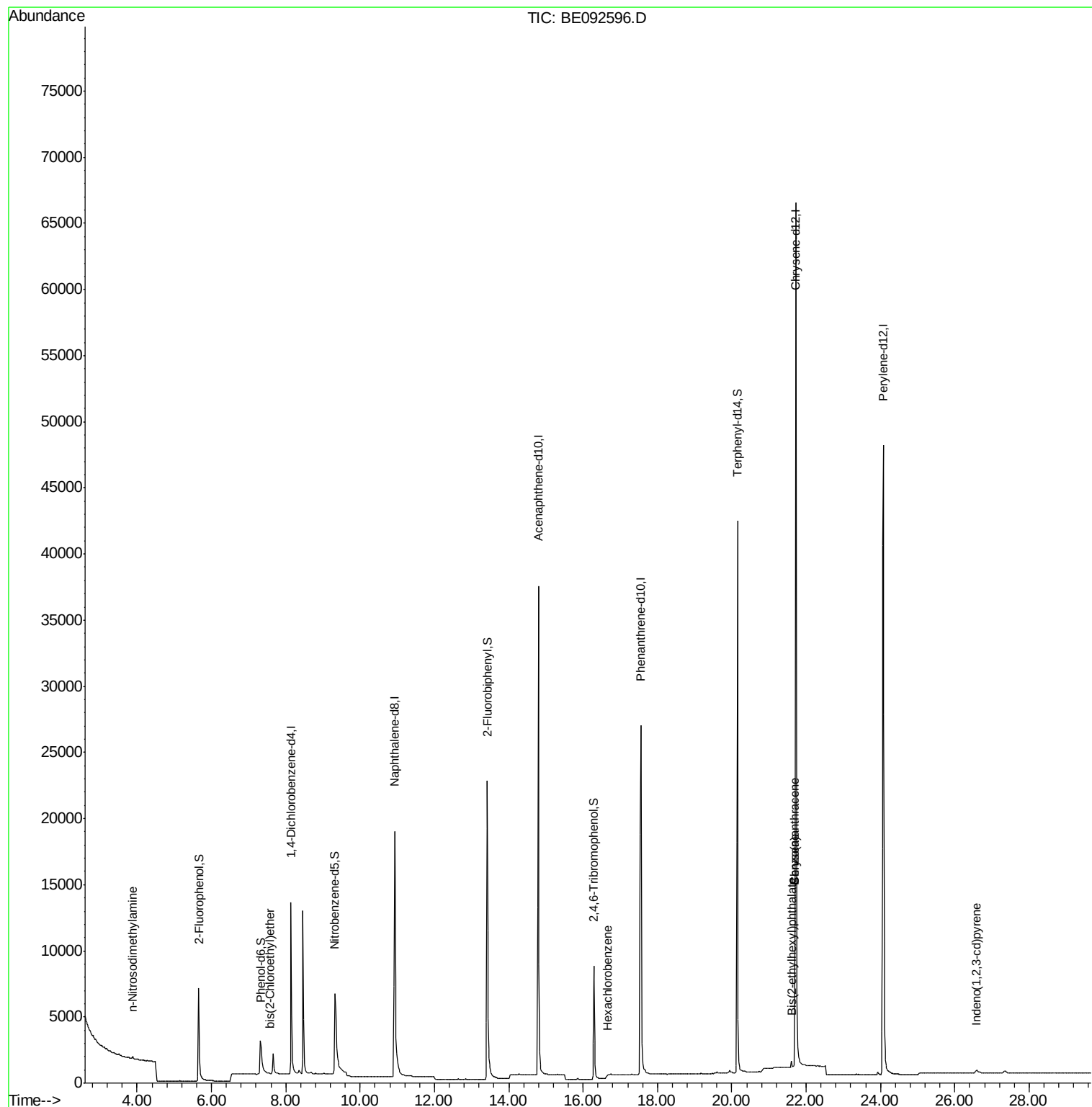
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	48	Below Cal	#	19
3) n-Nitrosodimethylamine	3.88	42	48	0.21 ng	#	2
6) bis(2-Chloroethyl)ether	7.57	93	12	0.04 ng	#	15
19) Hexachlorobenzene	16.66	284	288	0.13 ng	#	39
27) Benzo(a)anthracene	21.70	228	1782	0.12 ng	#	55
28) Chrysene	21.70	228	1831	0.03 ng	#	80
29) Bis(2-ethylhexyl)phthalate	21.61	149	640	0.24 ng	#	77
30) Indeno(1,2,3-cd)pyrene	26.58	276	554	0.05 ng	#	91

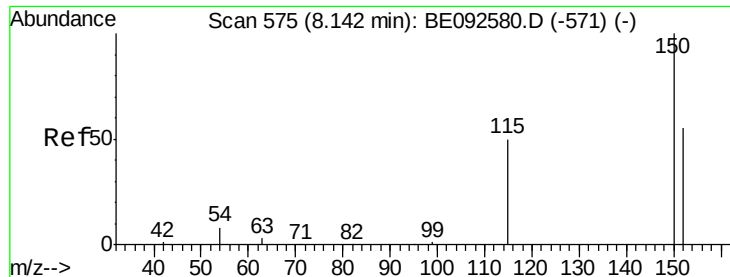
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

Instrument :

BNA_E

ClientSampleId :

MW-3

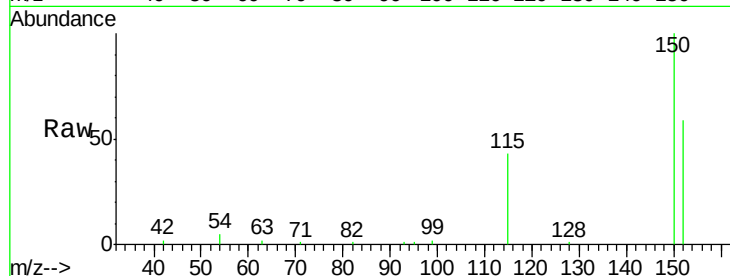
Tgt Ion:152 Resp: 8264

Ion Ratio Lower Upper

152 100

150 170.2 106.0 159.0#

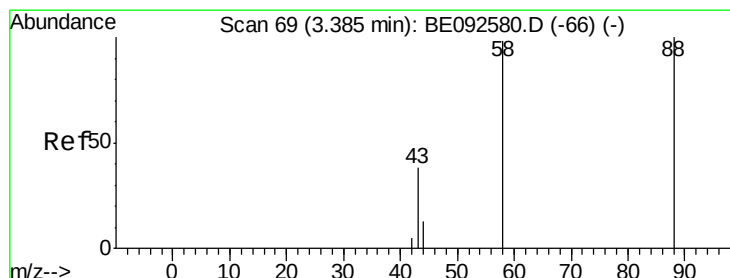
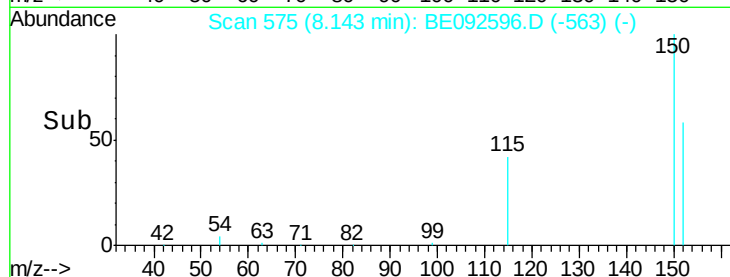
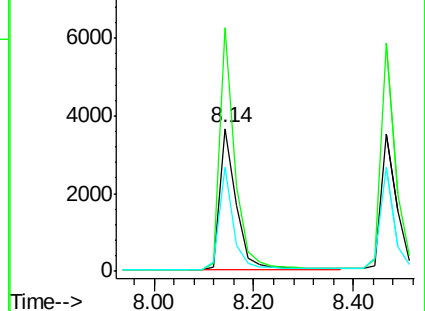
115 73.2 31.2 46.8#



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: 3.39 min Scan# 69

Delta R.T. -0.00 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

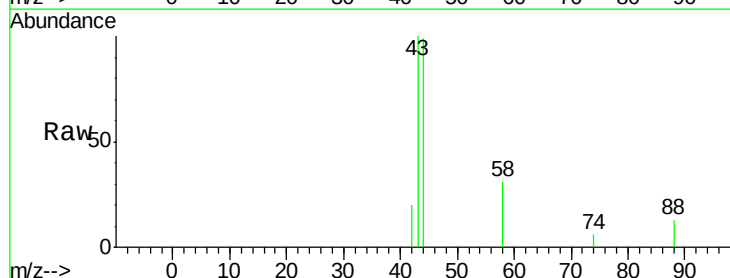
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

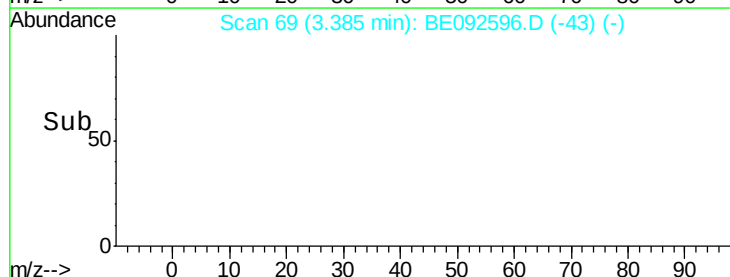
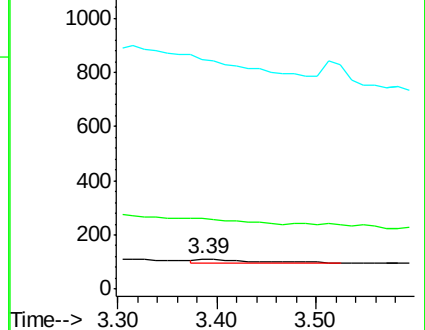
43 0.0 28.0 42.0#

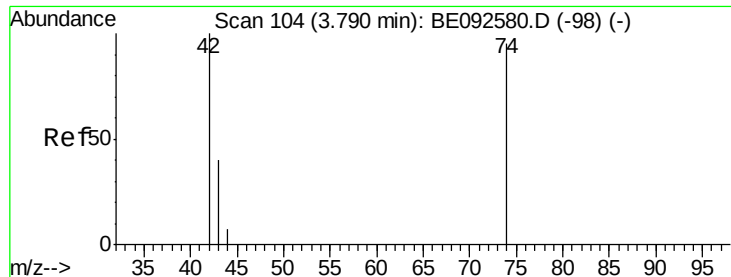


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.21 ng

RT: 3.88 min Scan# 112

Delta R.T. 0.10 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

Instrument :

BNA_E

ClientSampleId :

MW-3

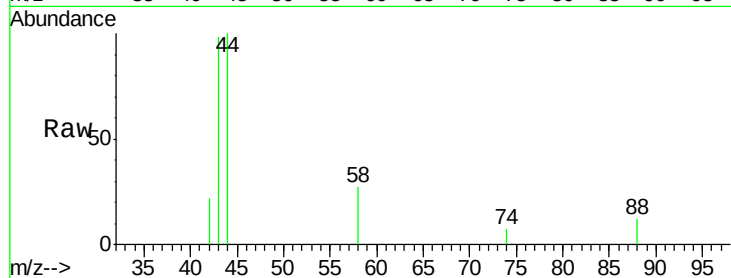
Tgt Ion: 42 Resp: 48

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

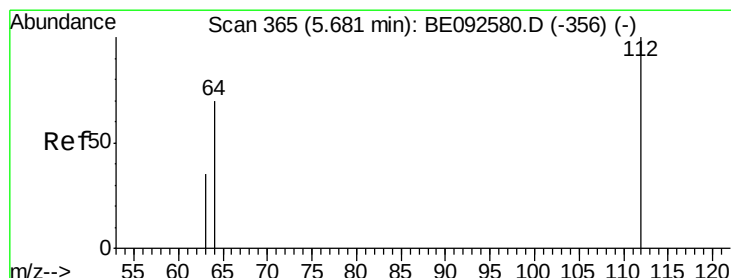
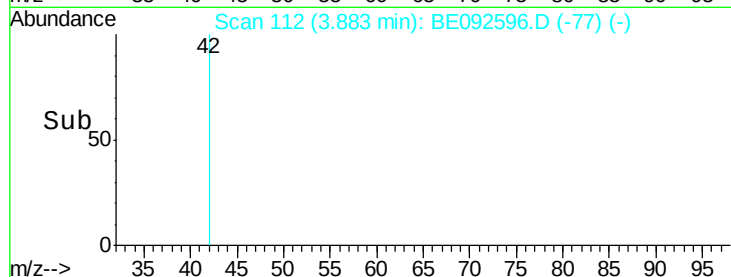
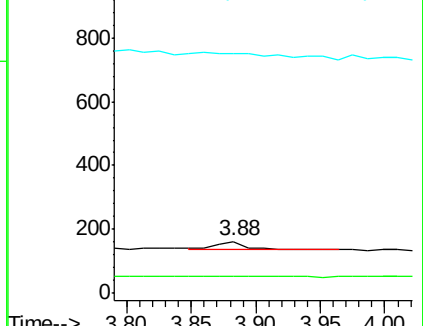
44 0.0 5.1 7.7#



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



#4

2-Fluorophenol

Concen: 5.32 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

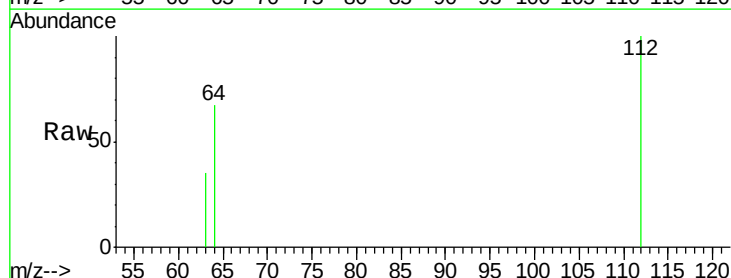
Tgt Ion: 112 Resp: 7429

Ion Ratio Lower Upper

112 100

64 68.6 53.5 80.3

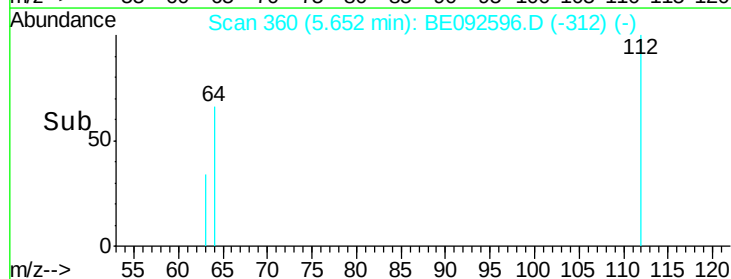
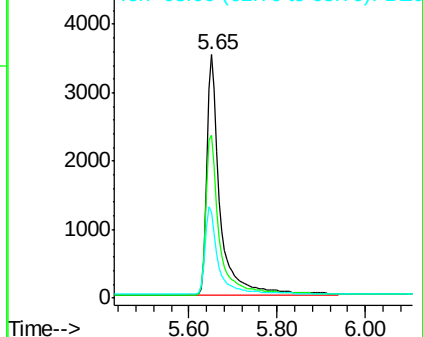
63 36.7 27.9 41.9

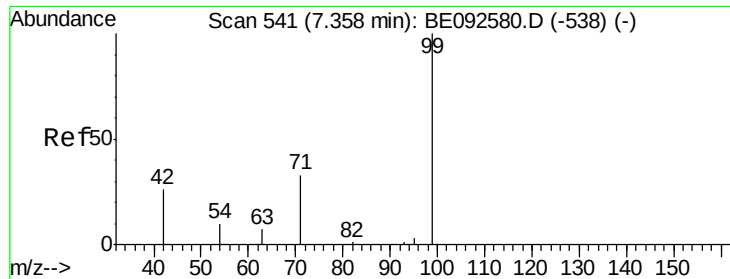


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.46 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

Instrument :

BNA_E

ClientSampleId :

MW-3

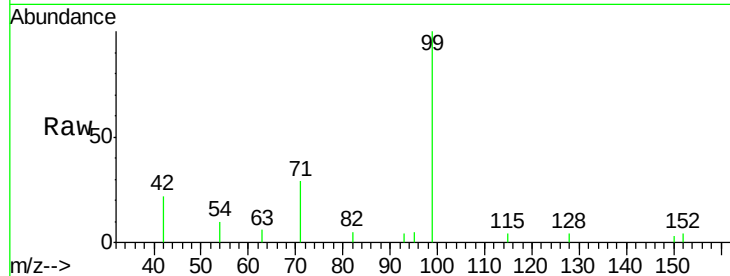
Tgt Ion: 99 Resp: 5542

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

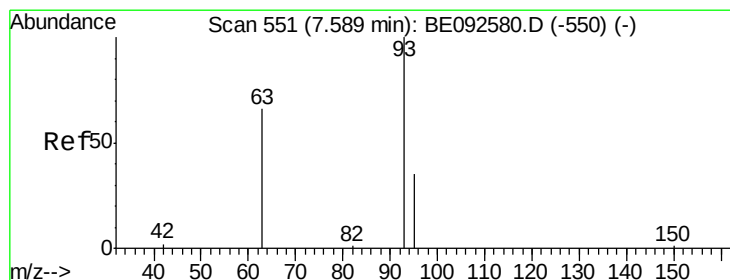
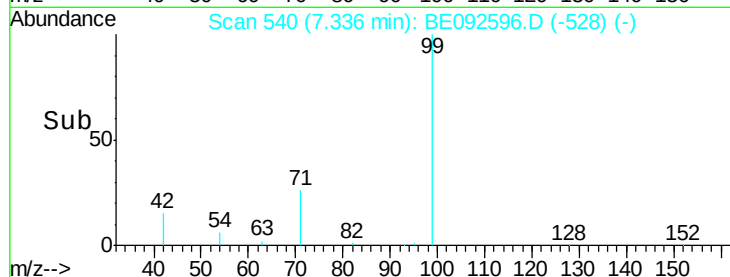
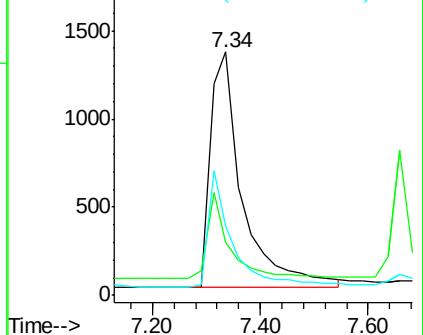
71 0.0 30.6 45.8#



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: 7.57 min Scan# 550

Delta R.T. -0.02 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

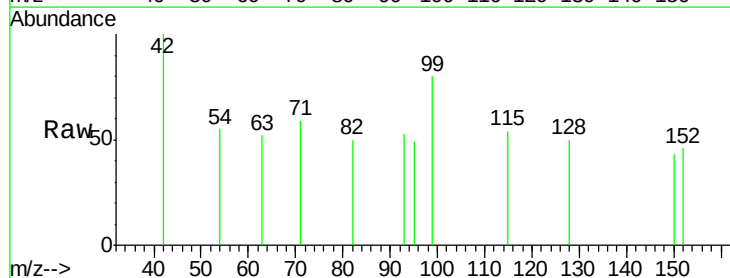
Tgt Ion: 93 Resp: 12

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

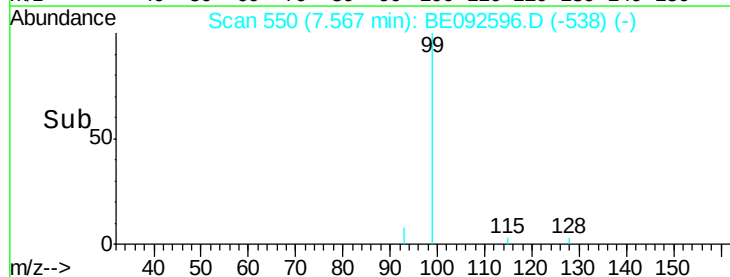
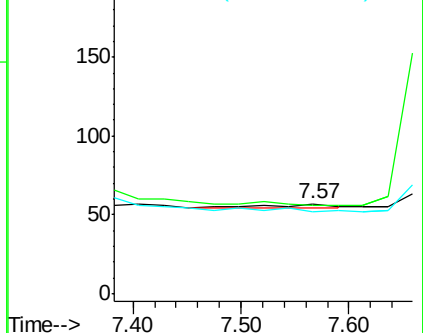
95 0.0 24.0 36.0#

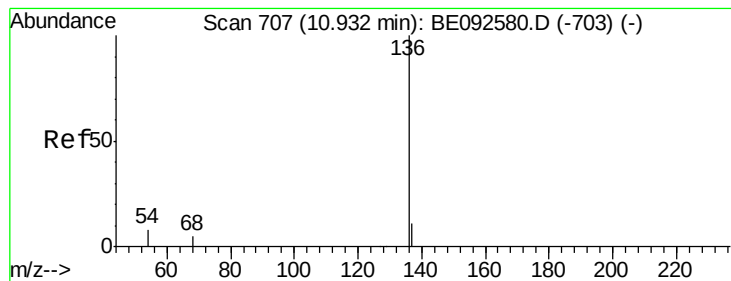


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092596.D

Acq: 9 Dec 2016 16:42

Instrument :

BNA_E

ClientSampleId :

MW-3

Tgt Ion:136 Resp: 36515

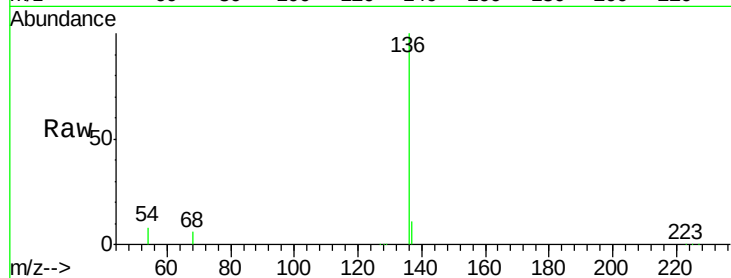
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.4

54 8.0 9.6 14.4#

68 5.8 6.7 10.1#

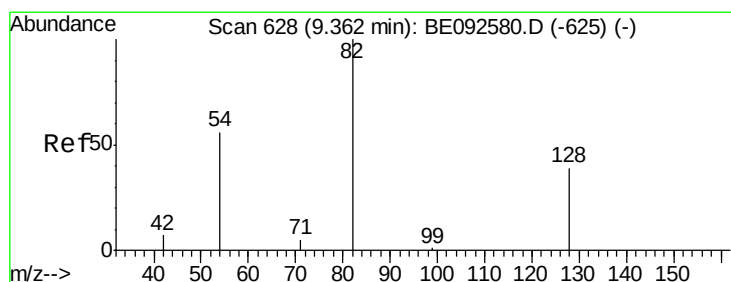
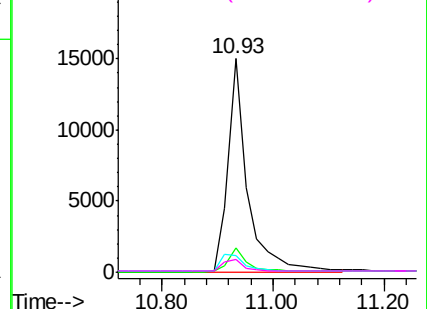
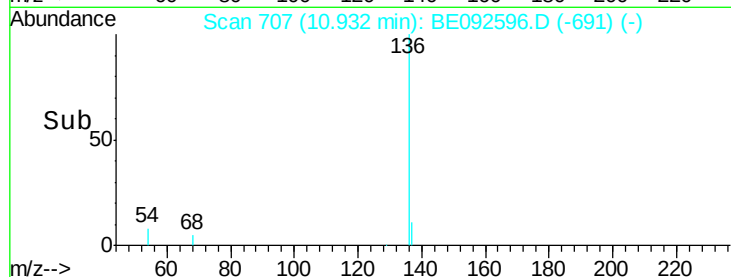


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.05 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.04 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

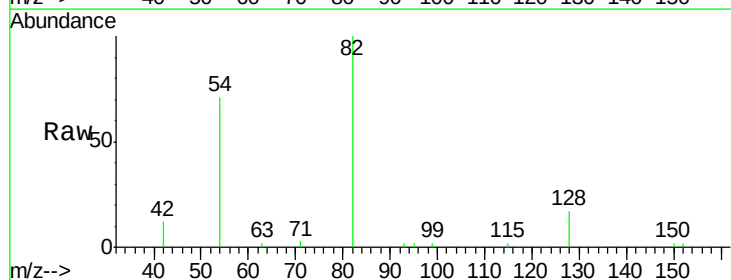
Tgt Ion: 82 Resp: 11967

Ion Ratio Lower Upper

82 100

128 16.9 39.0 58.4#

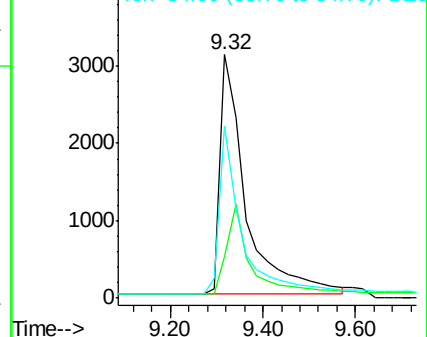
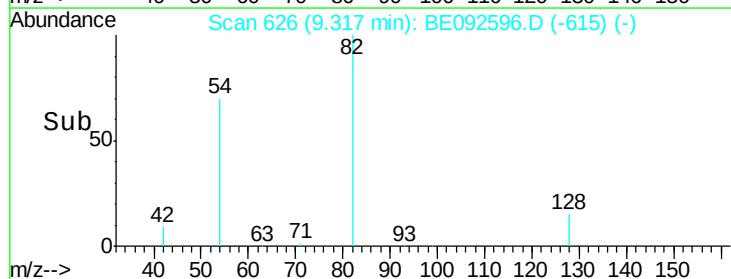
54 70.5 44.8 67.2#

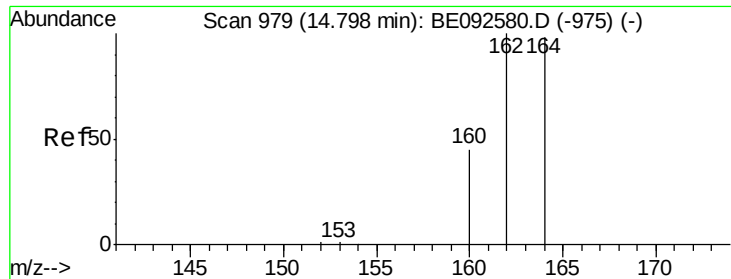


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE092596.D

Acq: 9 Dec 2016 16:42

Instrument :

BNA_E

ClientSampleId :

MW-3

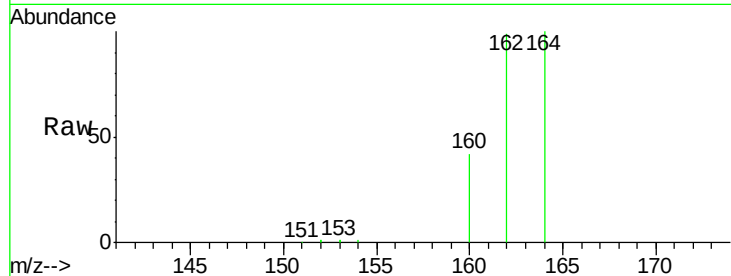
Tgt Ion:164 Resp: 25454

Ion Ratio Lower Upper

164 100

162 98.7 71.4 107.0

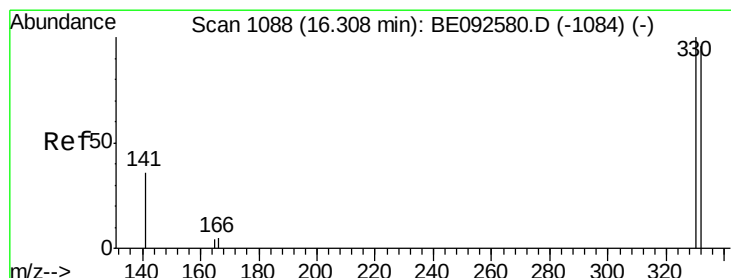
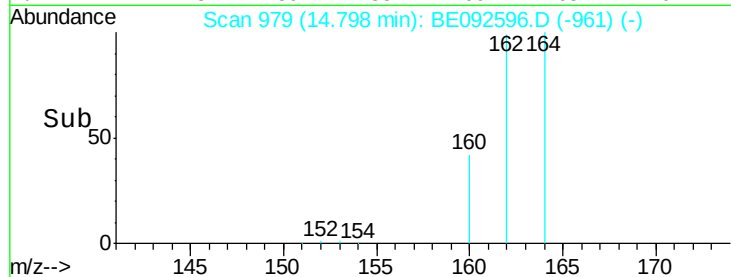
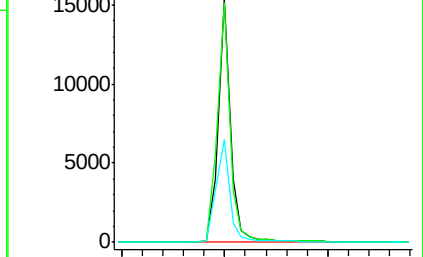
160 42.2 27.4 41.2#



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: 12.18 ng

RT: 16.28 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

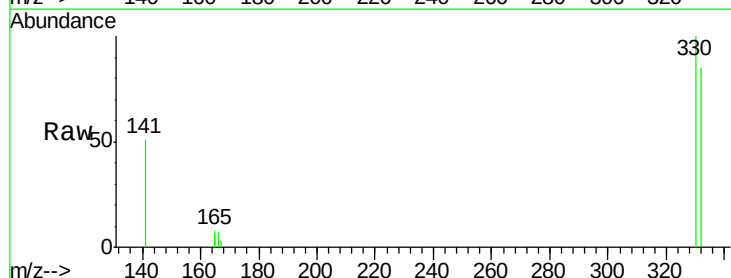
Tgt Ion:330 Resp: 6957

Ion Ratio Lower Upper

330 100

332 97.1 75.4 113.0

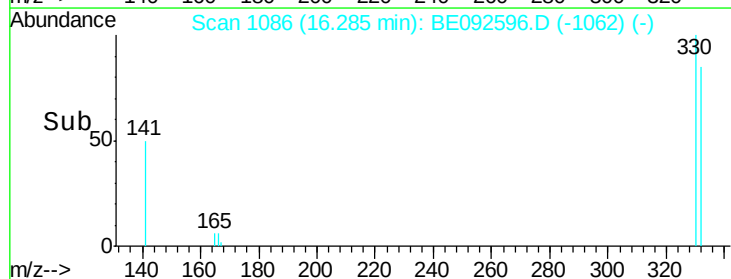
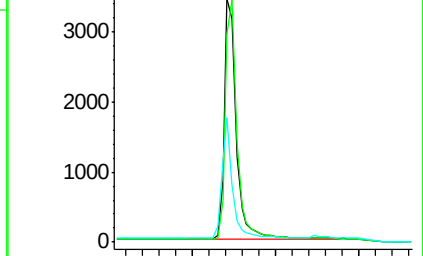
141 44.8 31.0 46.6

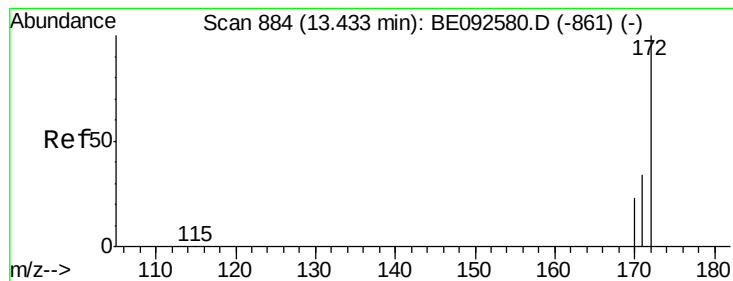


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

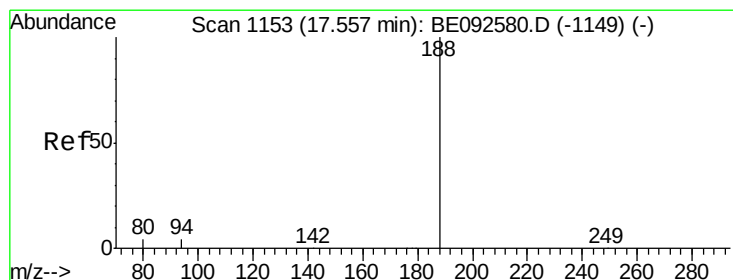
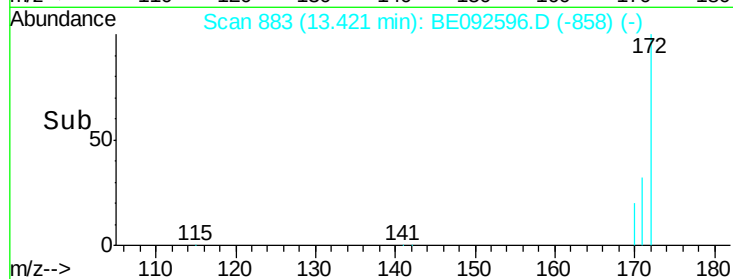
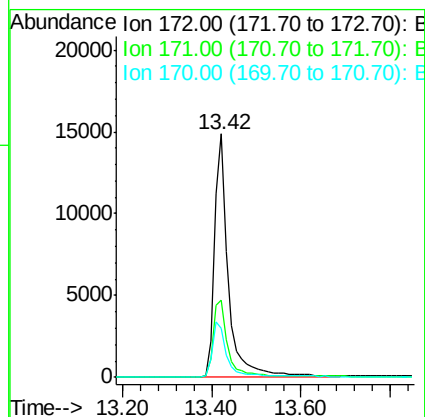
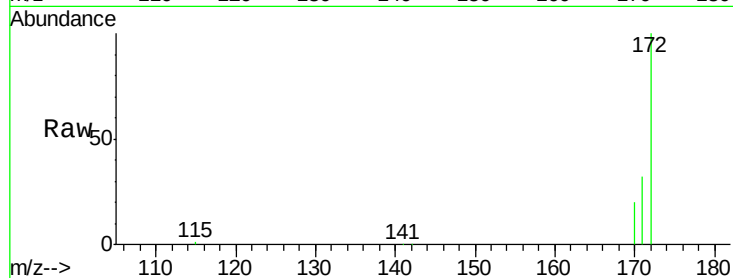




#14
2-Fluorobiphenyl
Concen: 5.12 ng
RT: 13.42 min Scan# 883
Delta R.T. -0.01 min
Lab File: BE092596.D
Acq: 9 Dec 2016 16:42

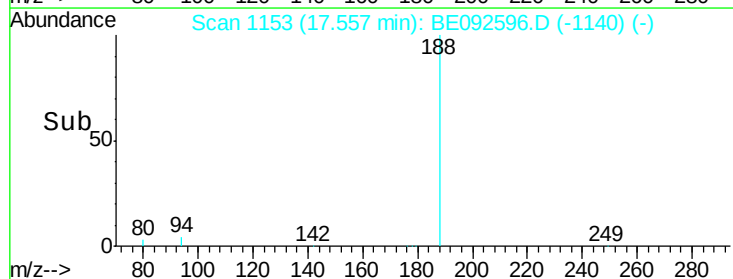
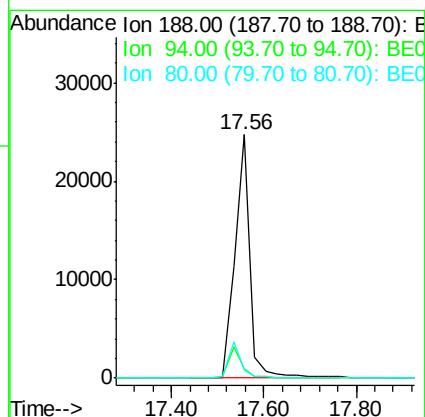
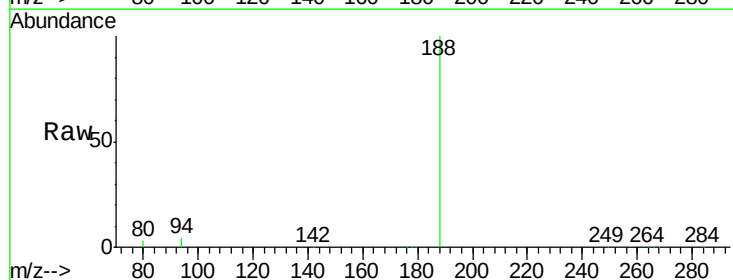
Instrument :
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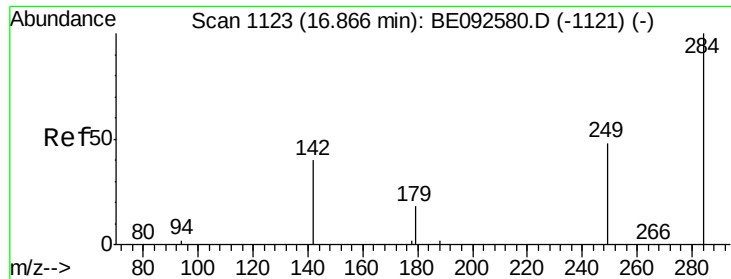
Tgt Ion:172 Resp: 31760
Ion Ratio Lower Upper
172 100
171 31.8 30.1 45.1
170 20.3 21.8 32.6#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092596.D
Acq: 9 Dec 2016 16:42

Tgt Ion:188 Resp: 55394
Ion Ratio Lower Upper
188 100
94 3.8 3.2 4.8
80 3.4 2.6 3.8

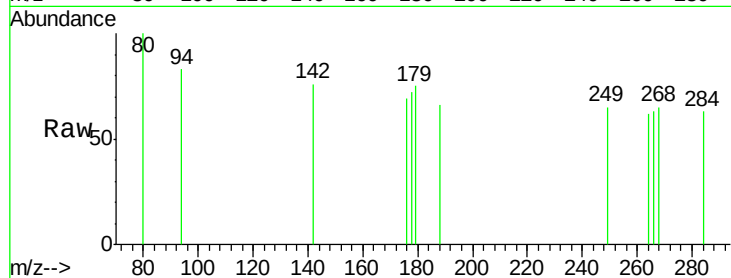




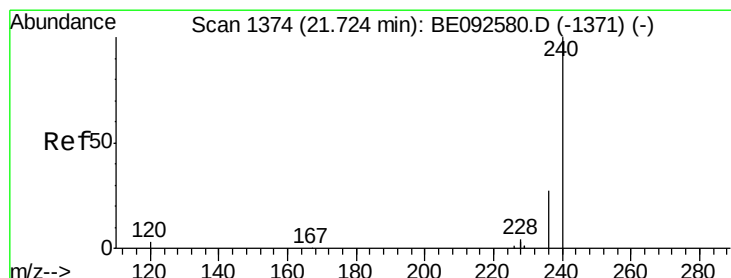
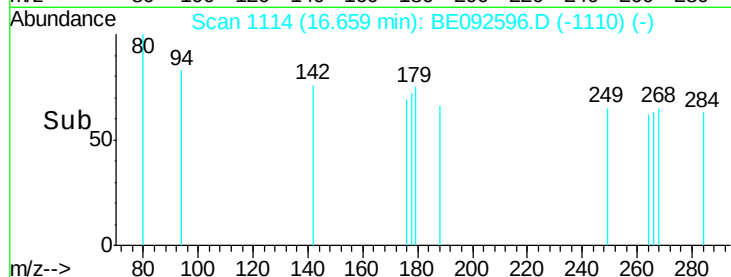
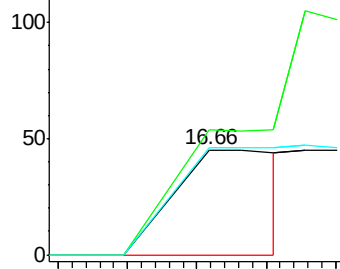
#19
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092596.D
Acq: 9 Dec 2016 16:42

Instrument :
BNA_E
ClientSampleId :
MW-3

Tgt Ion: 284 Resp: 288
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

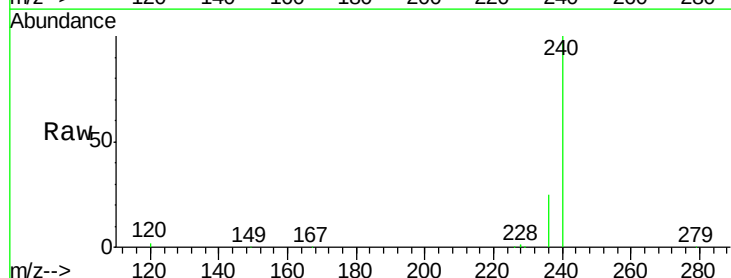


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

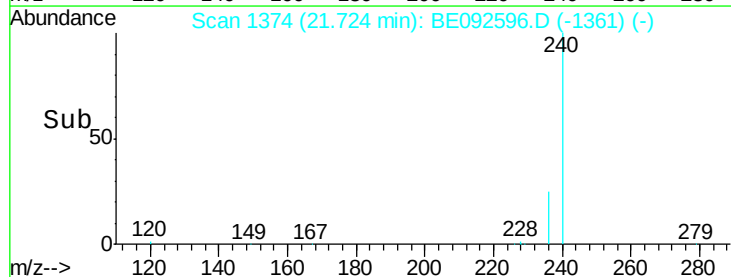
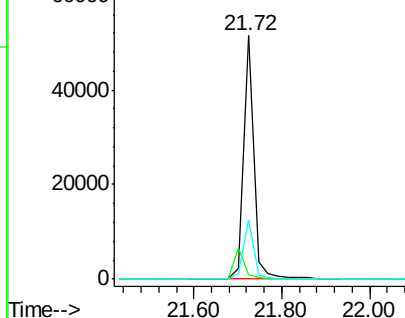


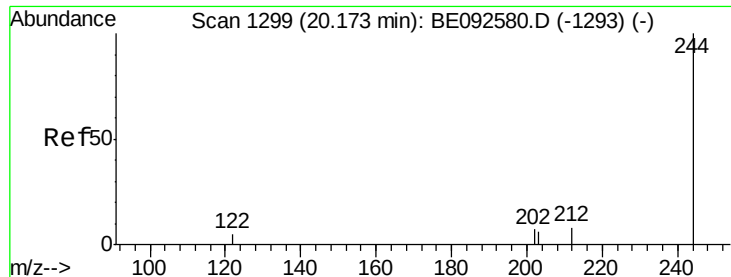
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092596.D
Acq: 9 Dec 2016 16:42

Tgt Ion: 240 Resp: 81386
Ion Ratio Lower Upper
240 100
120 1.6 2.6 4.0#
236 24.6 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

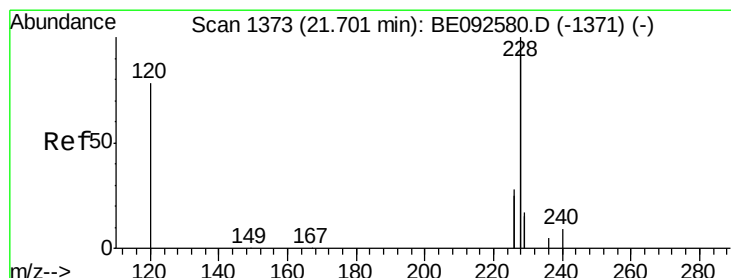
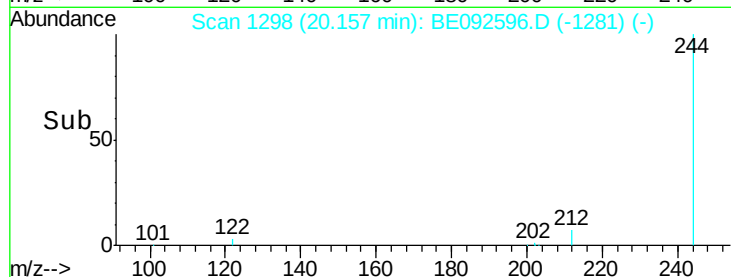
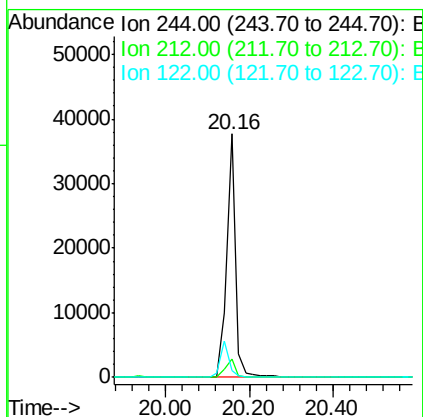
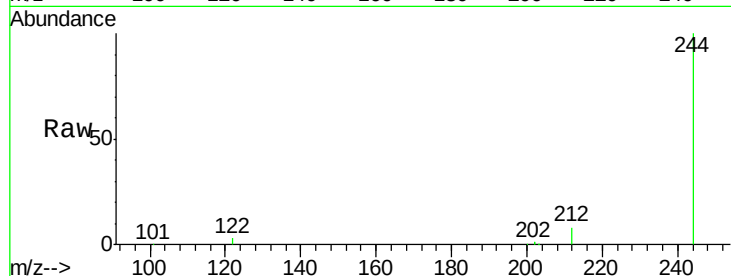




#26
 Terphenyl-d14
 Concen: 5.85 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092596.D
 Acq: 9 Dec 2016 16:42

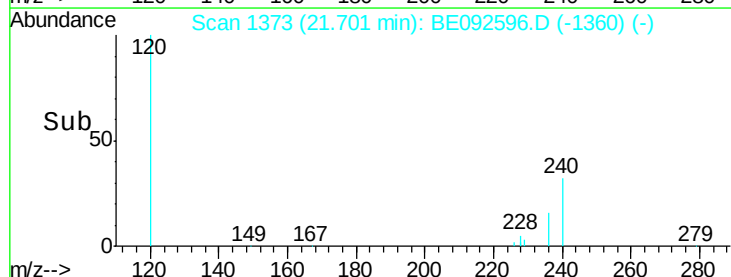
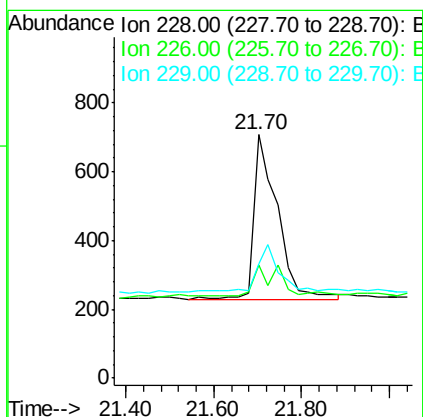
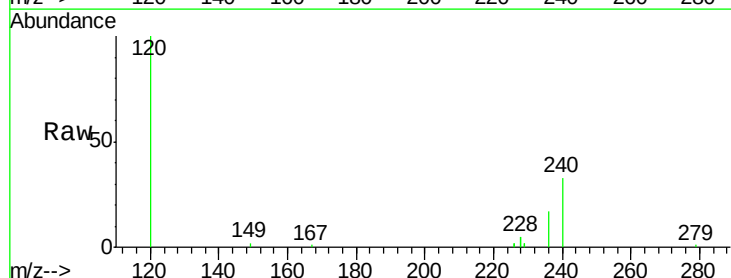
Instrument :
 BNA_E
 ClientSampleId :
 MW-3

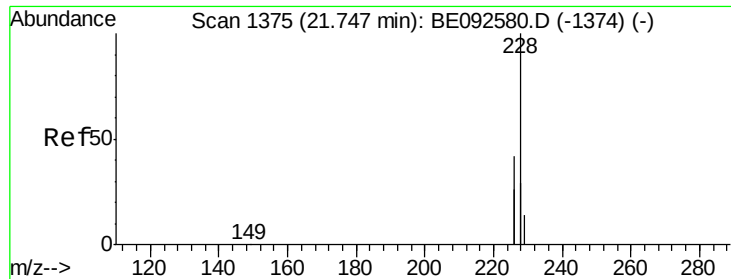
Tgt Ion: 244 Resp: 54482
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.7 10.1
 122 2.8 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.12 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092596.D
 Acq: 9 Dec 2016 16:42

Tgt Ion: 228 Resp: 1782
 Ion Ratio Lower Upper
 228 100
 226 46.3 23.6 35.4#
 229 46.9 13.3 19.9#





#28

Chrysene

Concen: 0.03 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.07 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

Instrument :

BNA_E

ClientSampleId :

MW-3

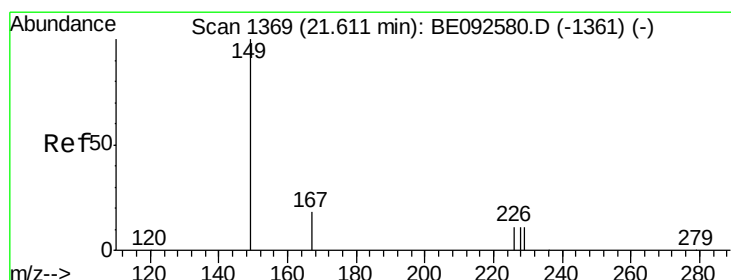
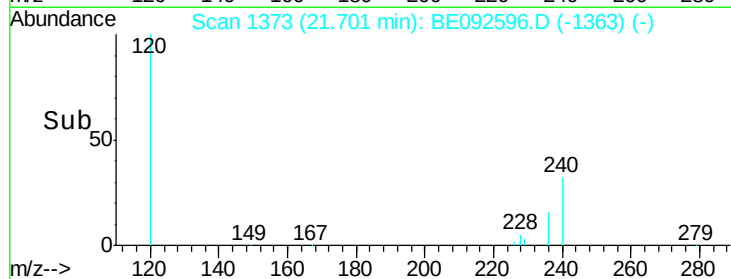
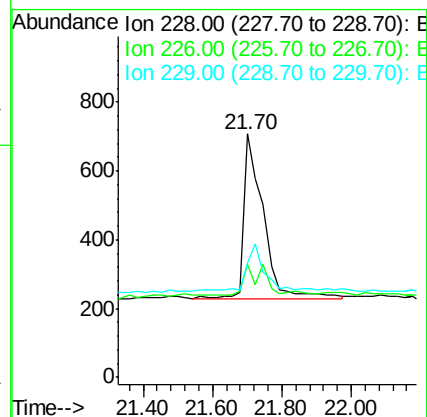
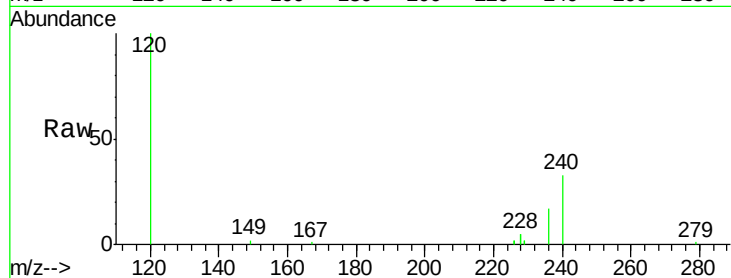
Tgt Ion:228 Resp: 1831

Ion Ratio Lower Upper

228 100

226 46.3 36.3 54.5

229 46.9 10.6 16.0#



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.24 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

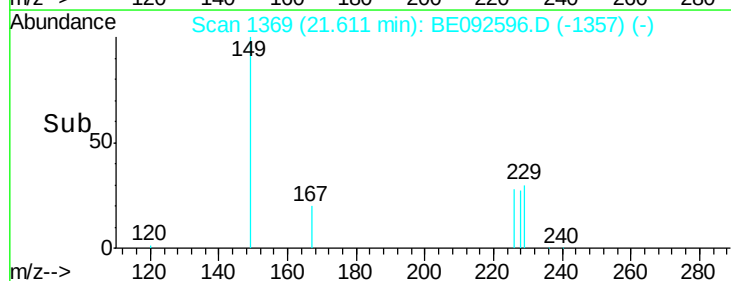
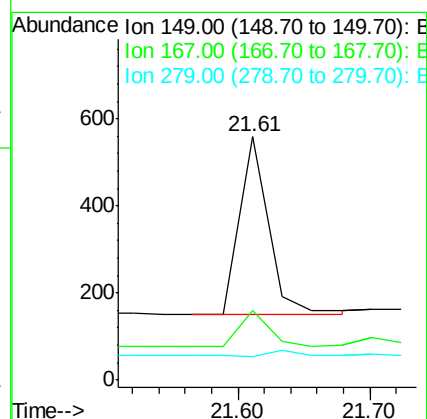
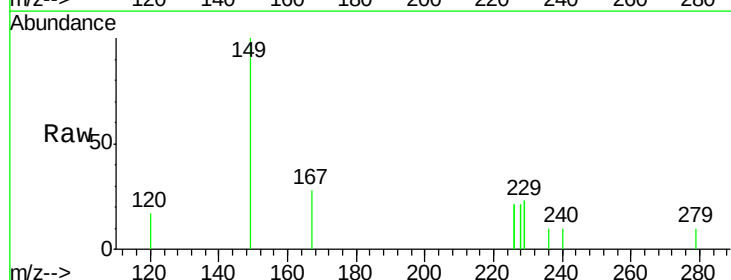
Tgt Ion:149 Resp: 640

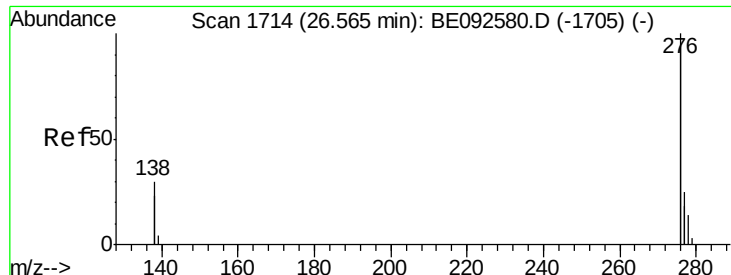
Ion Ratio Lower Upper

149 100

167 20.8 16.0 24.0

279 0.0 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.02 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

Instrument :

BNA_E

ClientSampleId :

MW-3

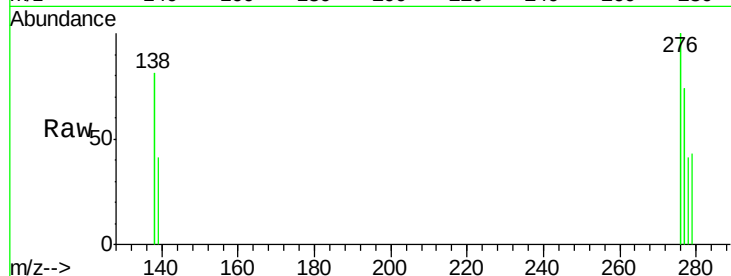
Tgt Ion: 276 Resp: 554

Ion Ratio Lower Upper

276 100

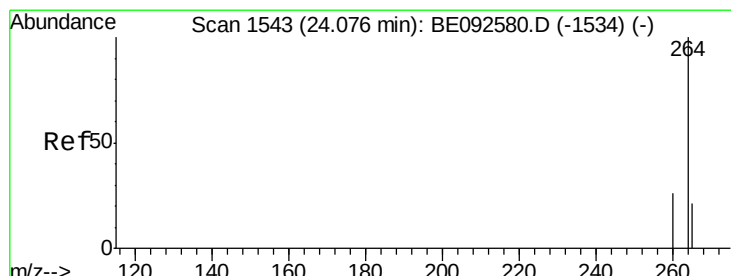
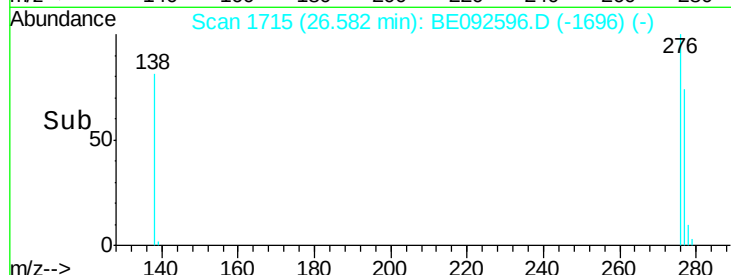
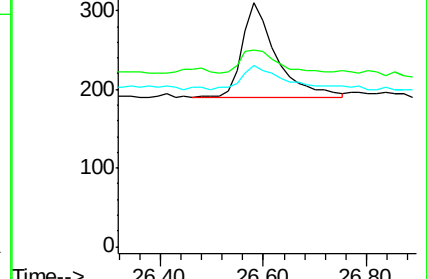
138 28.0 20.3 30.5

277 31.0 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

26.58



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092596.D

Acq: 9 Dec 2016 16:42

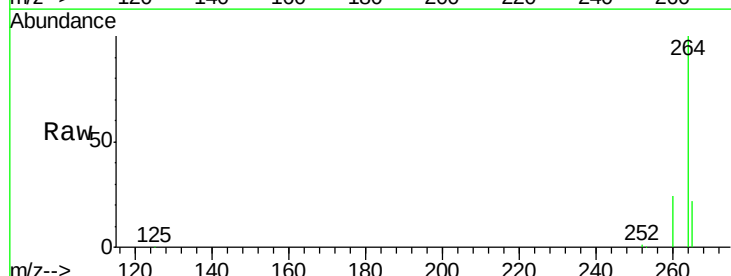
Tgt Ion: 264 Resp: 74348

Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 22.2 17.9 26.9



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

24.08

