

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092552.D
 Acq On : 17 Nov 2016 2:33
 Operator : UM/SJ
 Sample : H5643-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-1-111016

Quant Time: Nov 17 04:54:43 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	7605	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	34940	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	23890	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	50723	5.00	ng	0.00
24) Chrysene-d12	21.72	240	78420	5.00	ng	0.00
31) Perylene-d12	24.08	264	69333	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	8548	6.66	ng	-0.02
5) Phenol-d6	7.33	99	6834	3.26	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12792	5.63	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	7312	13.64	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	31682	5.44	ng	-0.01
26) Terphenyl-d14	20.16	244	53244	5.94	ng	-0.02

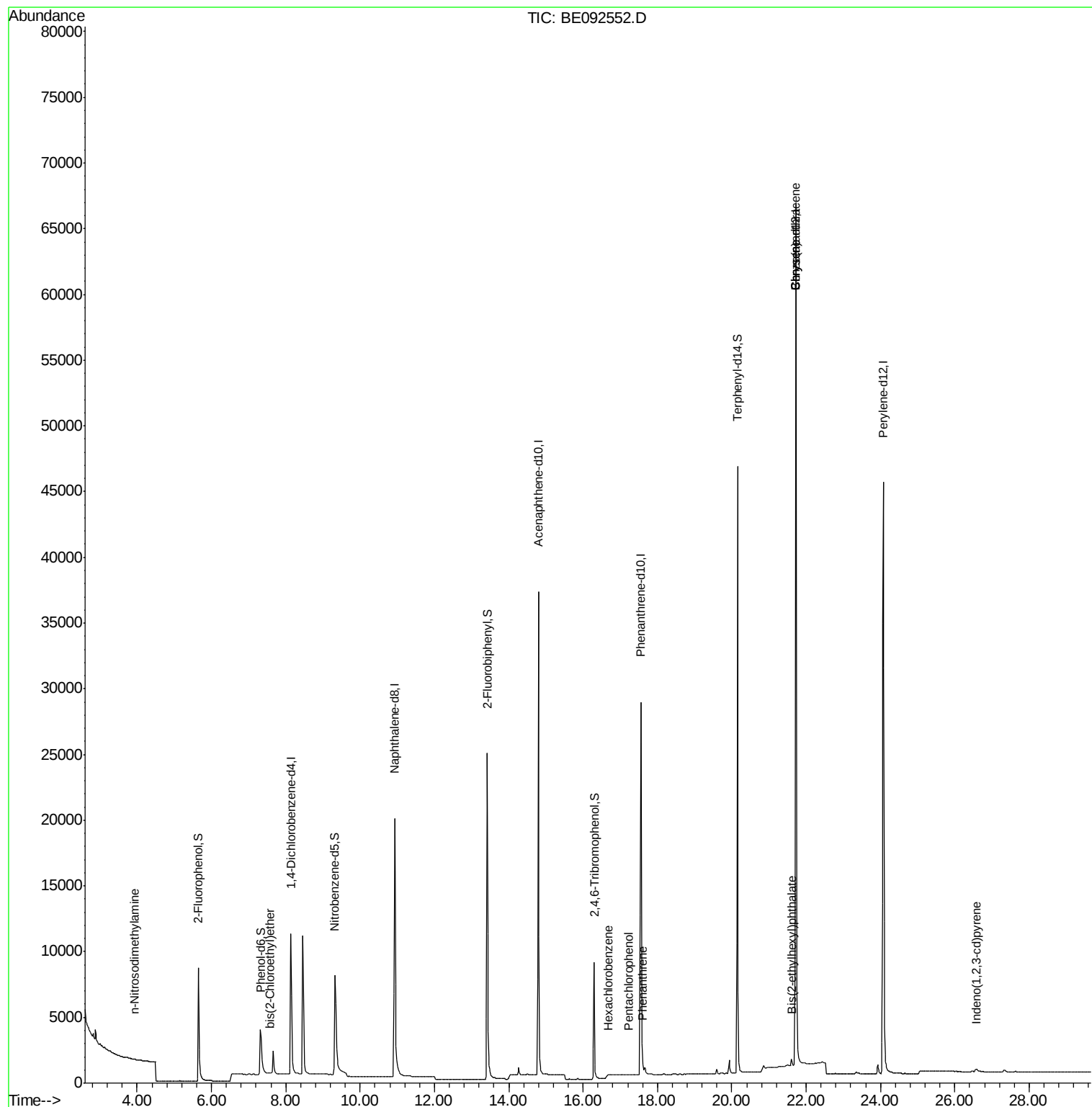
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.59	88	8	Below Cal	#	19
3) n-Nitrosodimethylamine	3.92	42	29	0.20 ng	#	5
6) bis(2-Chloroethyl)ether	7.57	93	109	0.09 ng	#	15
19) Hexachlorobenzene	16.68	284	144	0.07 ng	#	1
20) Pentachlorophenol	17.23	266	14	0.05 ng	#	72
21) Phenanthrene	17.60	178	321	0.03 ng	#	57
27) Benzo(a)anthracene	21.72	228	1486	0.12 ng	#	39
28) Chrysene	21.72	228	1549	0.02 ng	#	69
29) Bis(2-ethylhexyl)phthalate	21.61	149	785	0.27 ng	#	70
30) Indeno(1,2,3-cd)pyrene	26.58	276	558	0.05 ng	#	91

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
Data File : BE092552.D
Acq On : 17 Nov 2016 2:33
Operator : UM/SJ
Sample : H5643-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MW-1-111016

Quant Time: Nov 17 04:54:43 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: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016

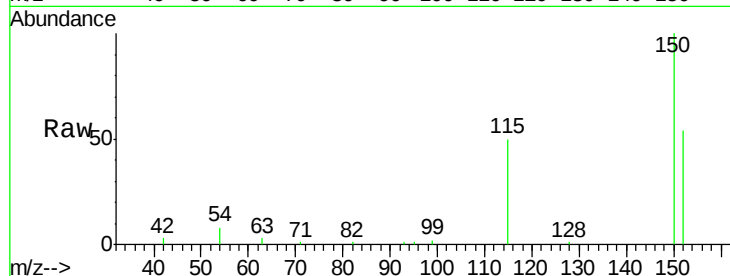
Tgt Ion:152 Resp: 7605

Ion Ratio Lower Upper

152 100

150 185.5 106.0 159.0#

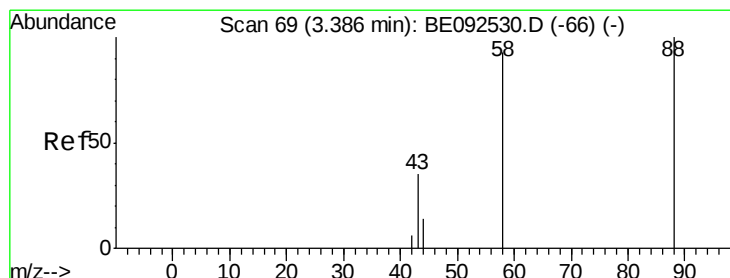
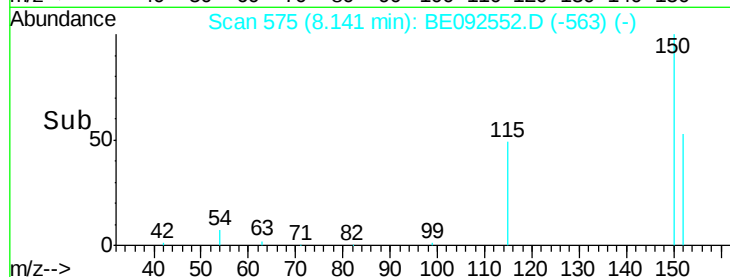
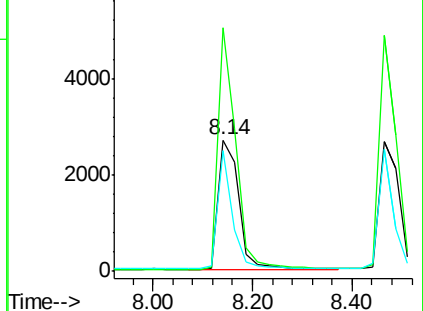
115 91.9 31.2 46.8#



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: BE092552.D

Acq: 17 Nov 2016 2:33

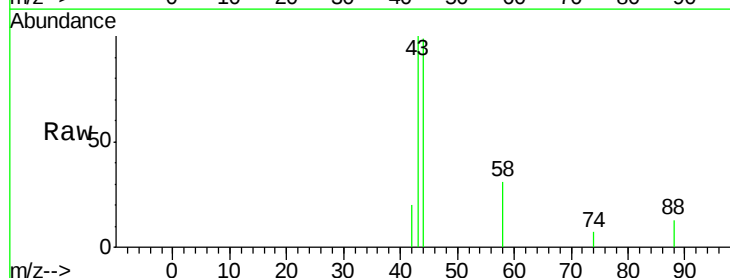
Tgt Ion: 88 Resp: 8

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

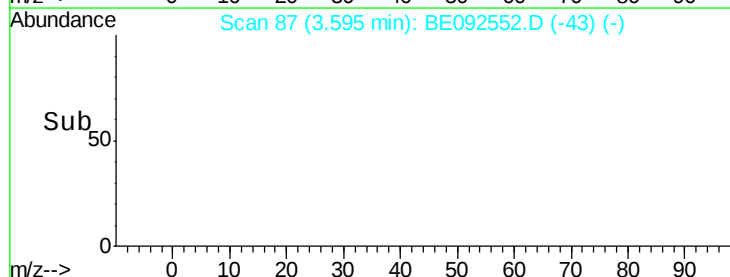
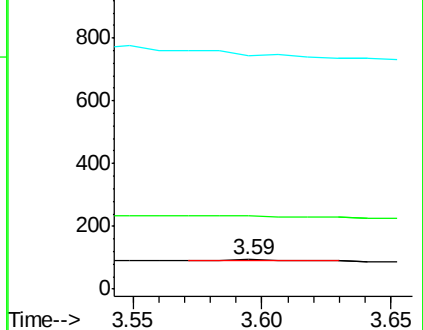
43 0.0 28.0 42.0#

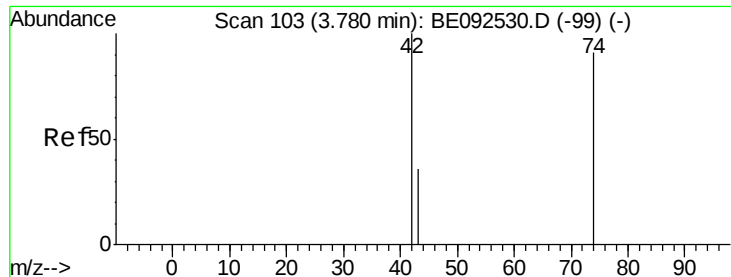


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.92 min Scan# 115

Delta R.T. 0.14 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016

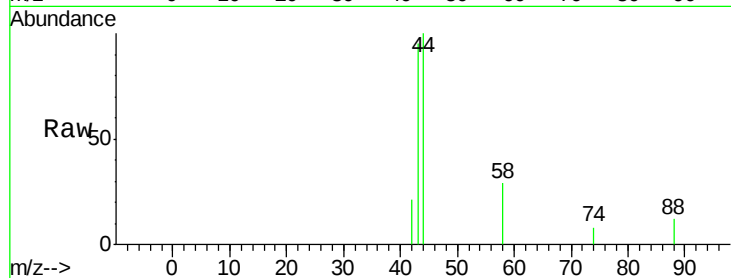
Tgt Ion: 42 Resp: 29

Ion Ratio Lower Upper

42 100

74 3.4 86.0 129.0#

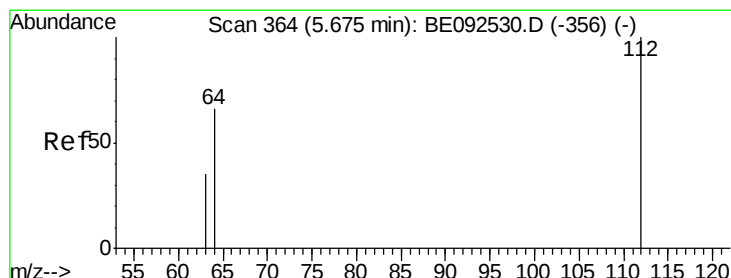
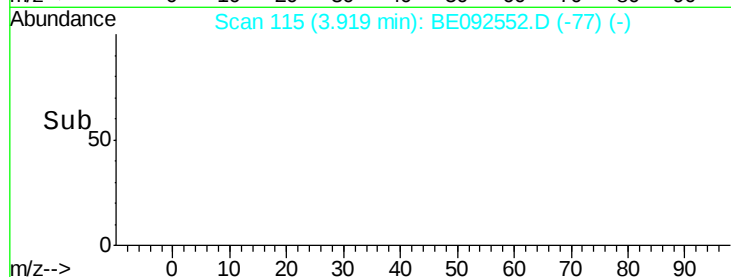
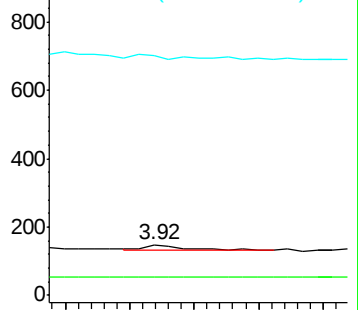
44 0.0 5.1 7.7#



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: 6.66 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

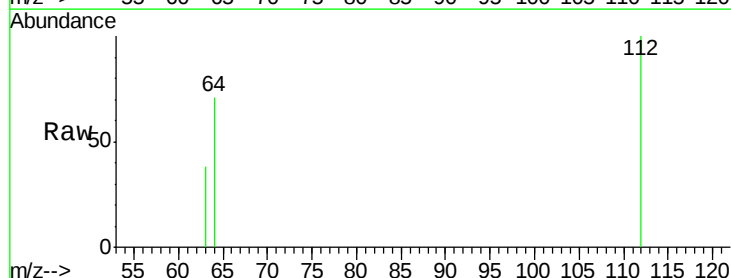
Tgt Ion: 112 Resp: 8548

Ion Ratio Lower Upper

112 100

64 68.2 53.5 80.3

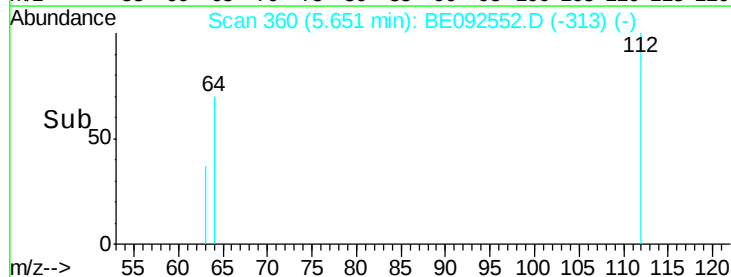
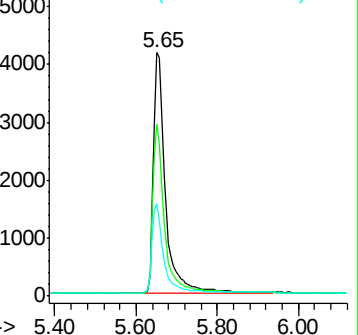
63 36.7 27.9 41.9



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: 3.26 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016

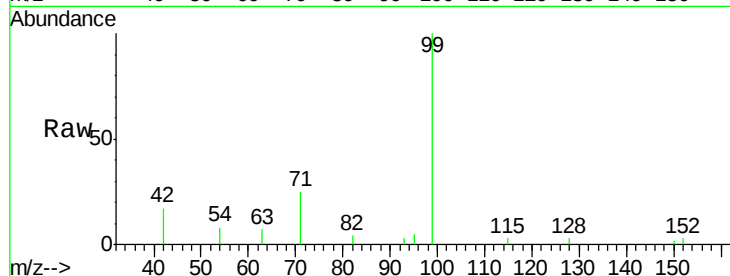
Tgt Ion: 99 Resp: 6834

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

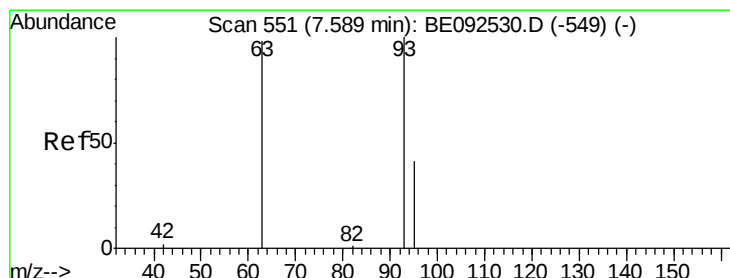
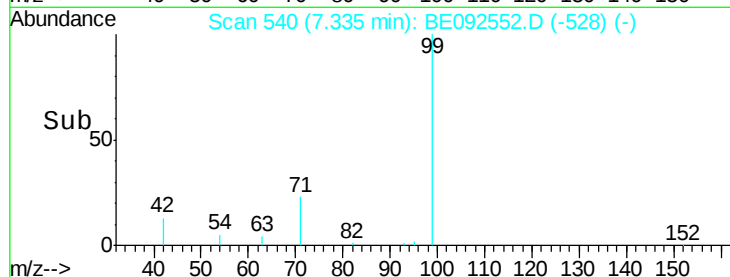
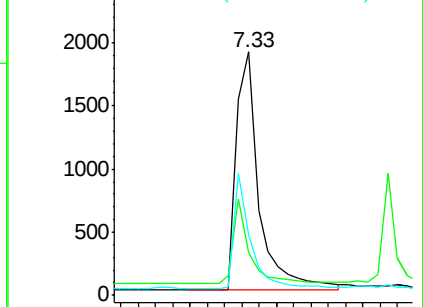
71 0.0 30.6 45.8#



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: 0.09 ng

RT: 7.57 min Scan# 550

Delta R.T. -0.02 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

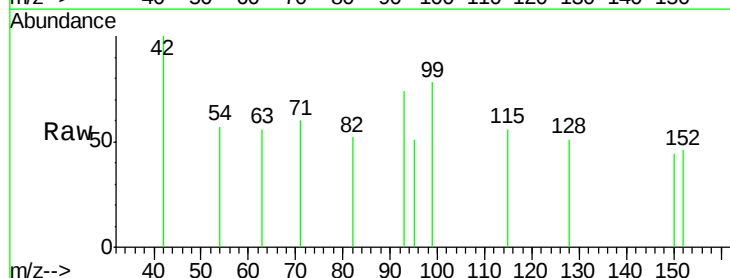
Tgt Ion: 93 Resp: 109

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

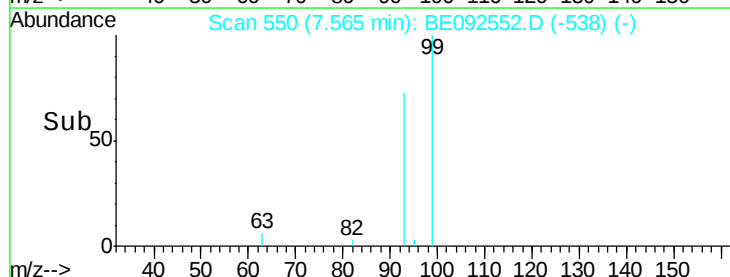
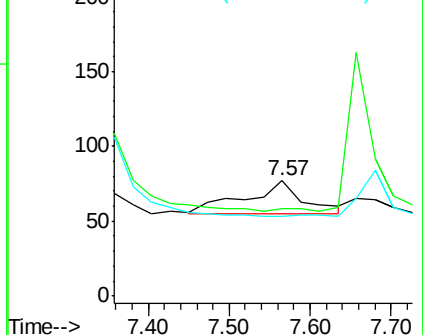
95 0.0 24.0 36.0#

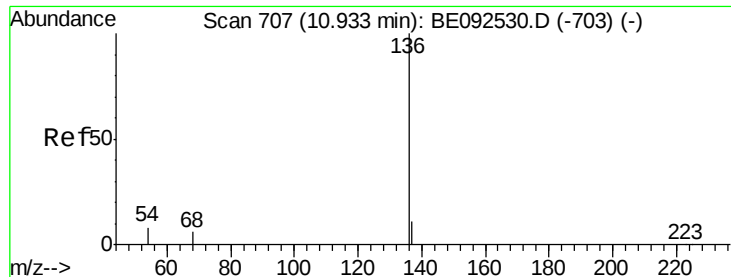


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092552.D

Acq: 17 Nov 2016 2:33

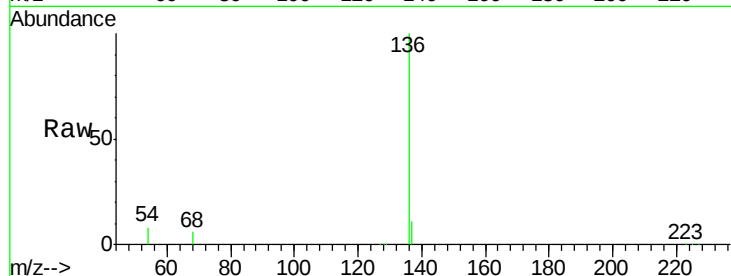
Instrument :

BNA_E

ClientSampleId :

MW-1-111016

Tgt Ion:	136	Resp:	34940
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	8.0	9.6	14.4#
68	5.9	6.7	10.1#

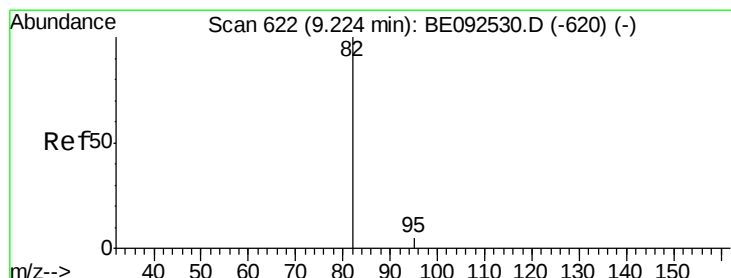
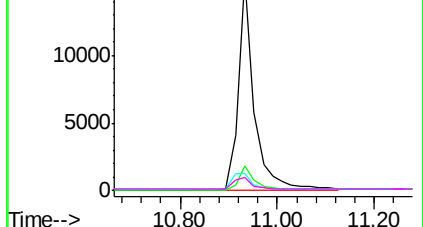
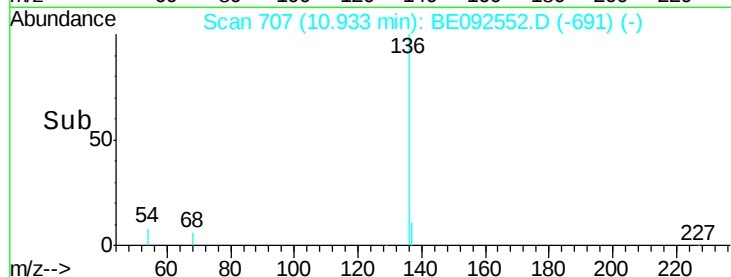


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.63 ng

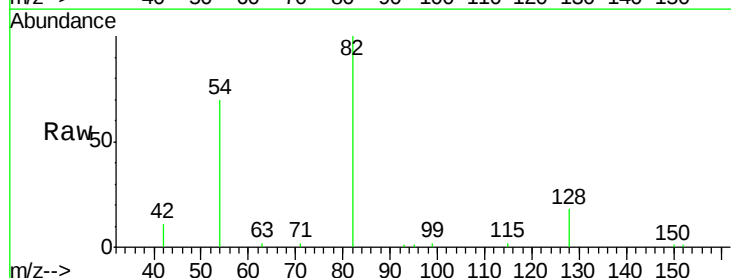
RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

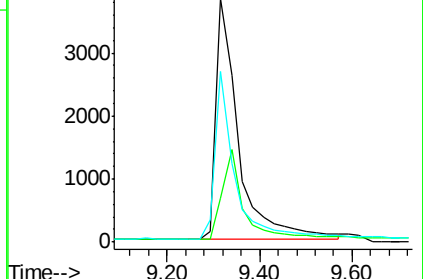
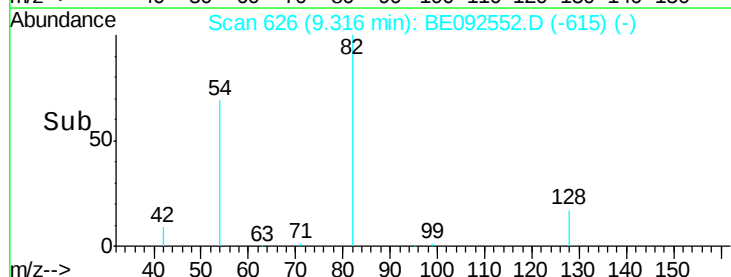
Tgt Ion:	82	Resp:	12792
Ion	Ratio	Lower	Upper
82	100		
128	18.1	39.0	58.4#
54	69.9	44.8	67.2#

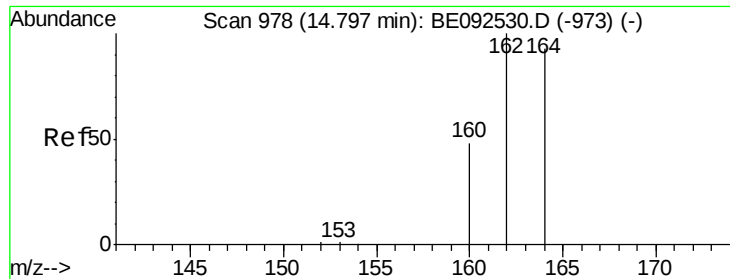


Abundance Ion 82.00 (81.70 to 82.70): BE0

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# 978

Delta R.T. -0.00 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016

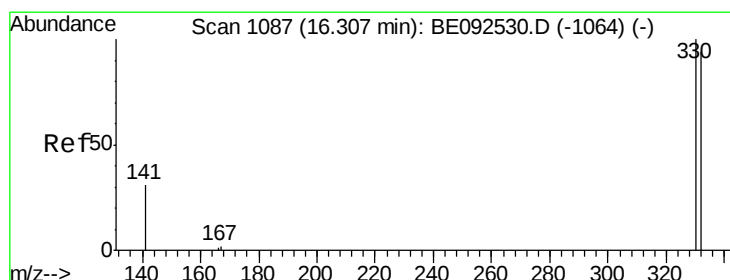
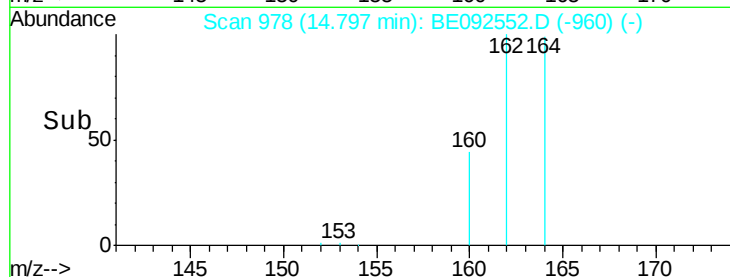
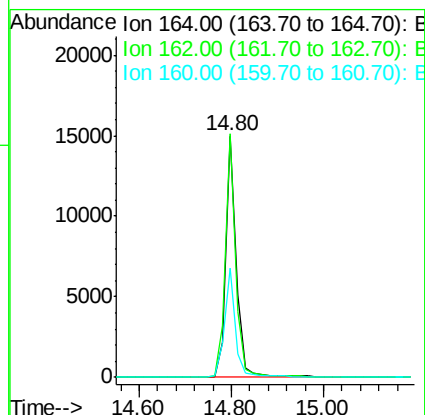
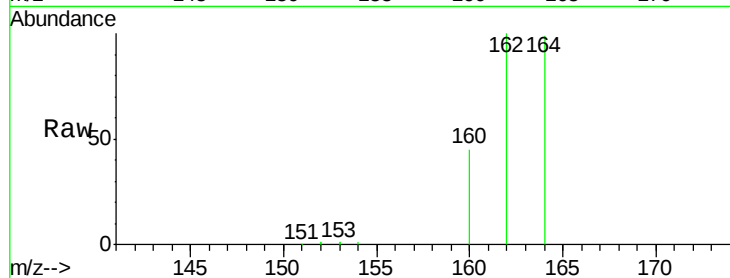
Tgt Ion:164 Resp: 23890

Ion Ratio Lower Upper

164 100

162 100.8 71.4 107.0

160 44.9 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 13.64 ng

RT: 16.30 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

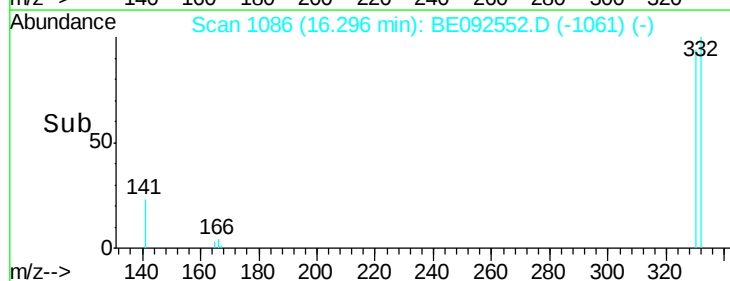
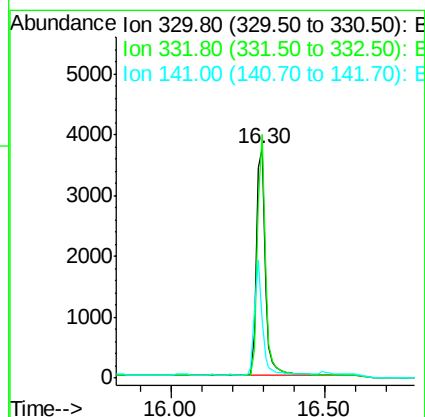
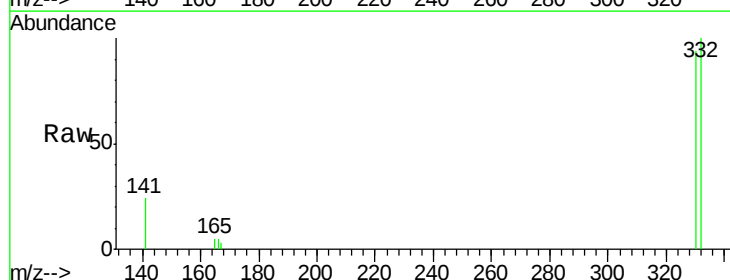
Tgt Ion:330 Resp: 7312

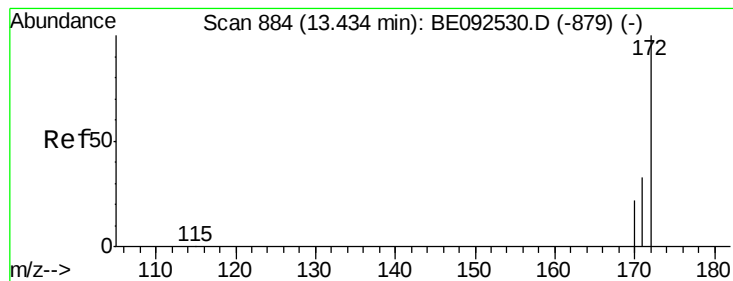
Ion Ratio Lower Upper

330 100

332 97.5 75.4 113.0

141 43.9 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 5.44 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016

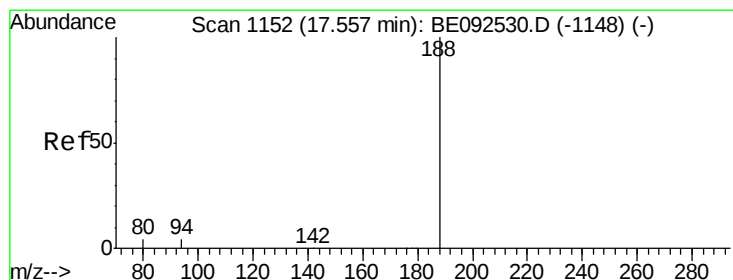
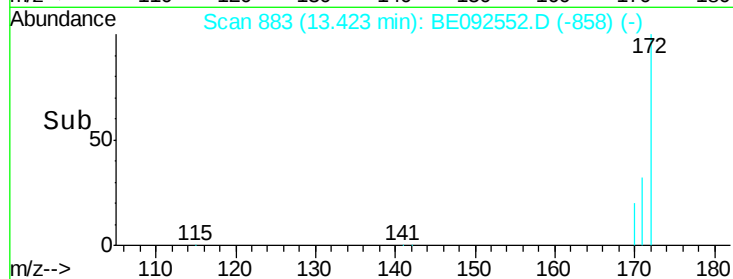
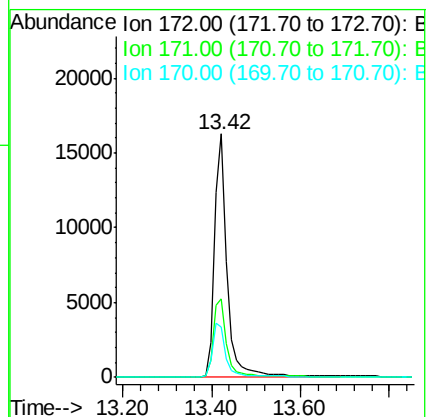
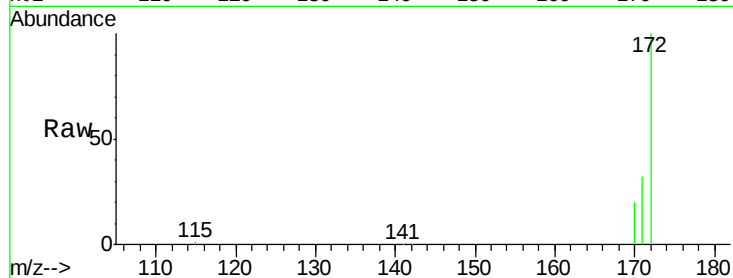
Tgt Ion:172 Resp: 31682

Ion Ratio Lower Upper

172 100

171 32.4 30.1 45.1

170 20.5 21.8 32.6#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

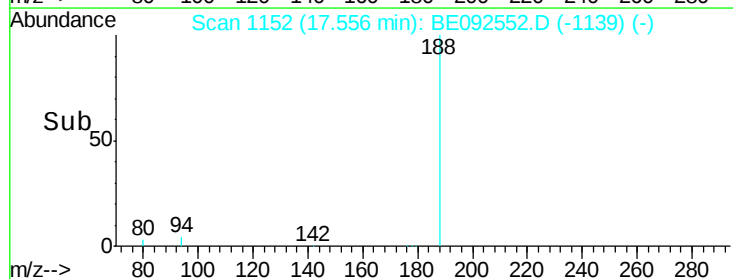
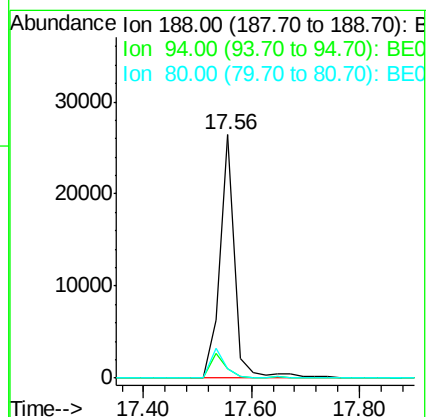
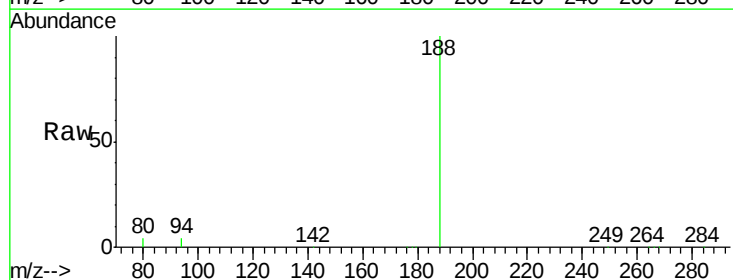
Tgt Ion:188 Resp: 50723

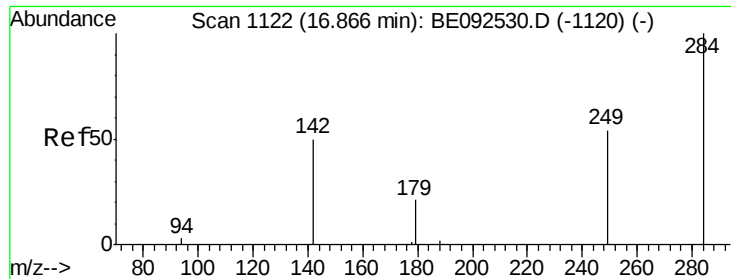
Ion Ratio Lower Upper

188 100

94 4.1 3.2 4.8

80 3.6 2.6 3.8

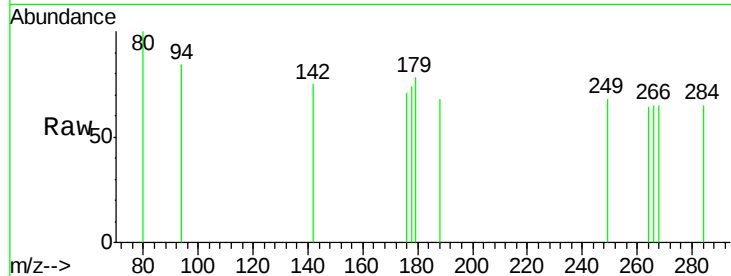




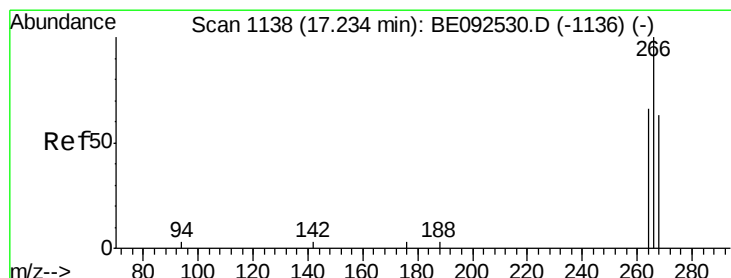
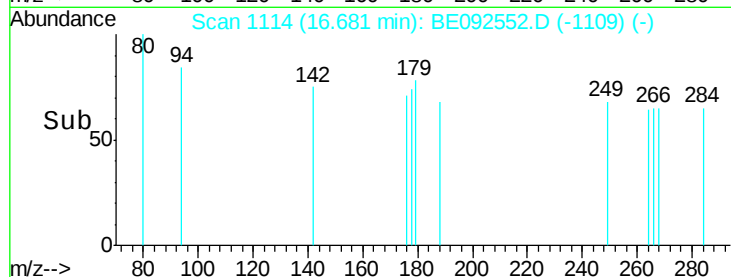
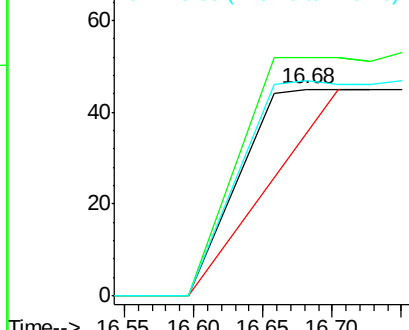
#19
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.68 min Scan# 1114
Delta R.T. -0.18 min
Lab File: BE092552.D
Acq: 17 Nov 2016 2:33

Instrument :
BNA_E
ClientSampleId :
MW-1-111016

Tgt Ion: 284 Resp: 144
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 207.6 27.9 41.9#

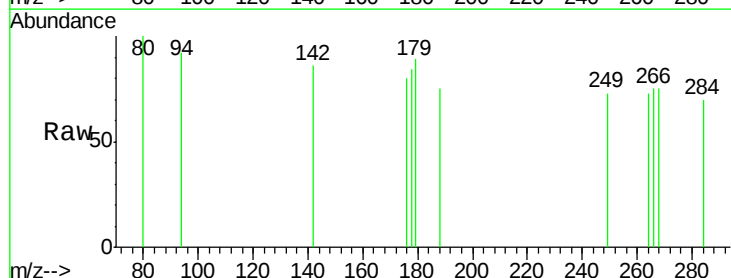


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

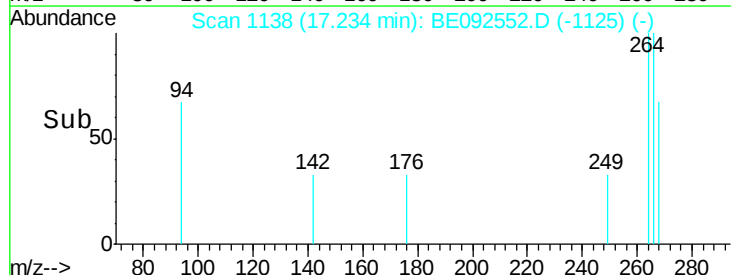
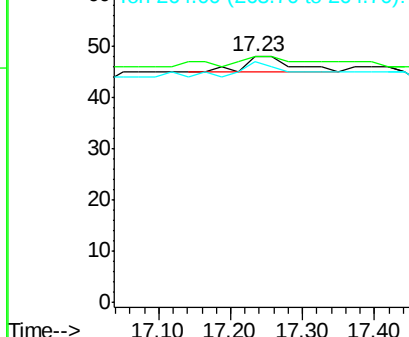


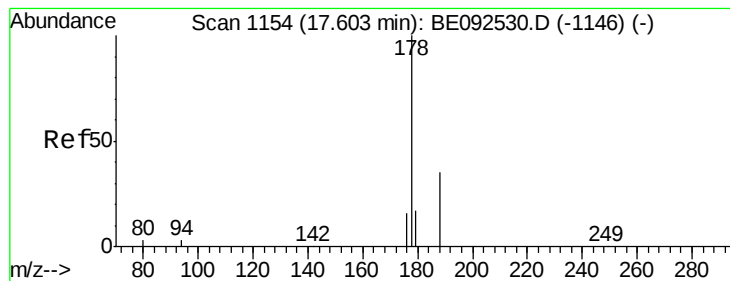
#20
Pentachlorophenol
Concen: 0.05 ng
RT: 17.23 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BE092552.D
Acq: 17 Nov 2016 2:33

Tgt Ion: 266 Resp: 14
Ion Ratio Lower Upper
266 100
268 100.0 62.5 93.7#
264 97.9 57.2 85.8#



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





#21

Phenanthrene

Concen: 0.03 ng

RT: 17.60 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016

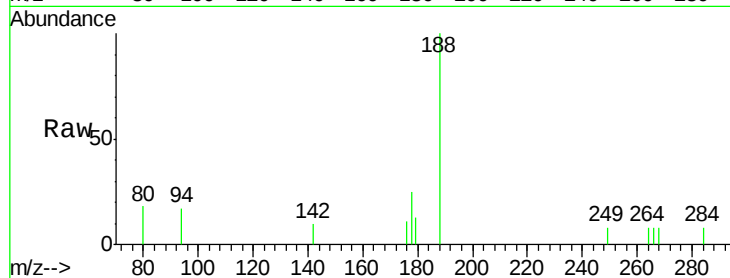
Tgt Ion:178 Resp: 321

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

179 0.0 16.0 24.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.60

150

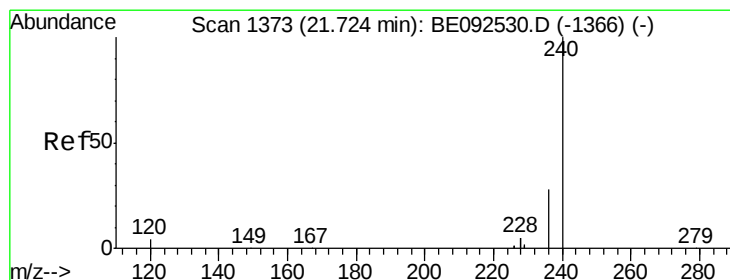
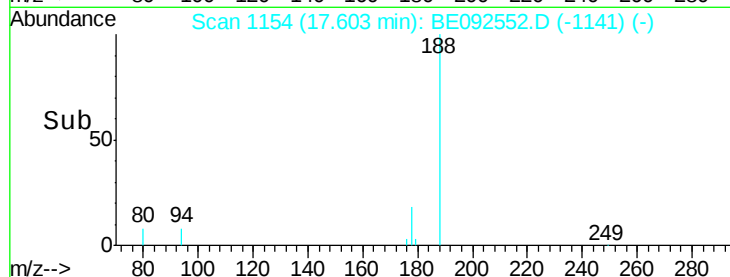
100

50

0

17.50 17.60 17.70

Time-->



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

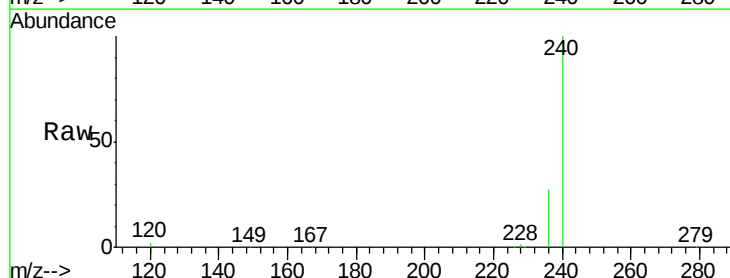
Tgt Ion:240 Resp: 78420

Ion Ratio Lower Upper

240 100

120 2.2 2.6 4.0#

236 27.0 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

21.72

60000

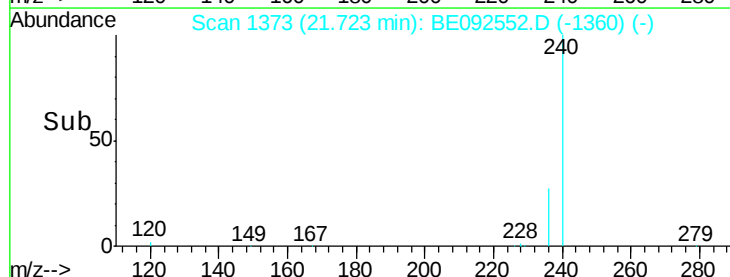
40000

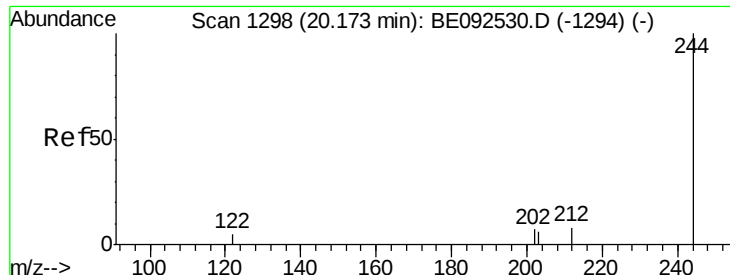
20000

0

21.60 21.80 22.00

Time-->





#26

Terphenyl-d14

Concen: 5.94 ng

RT: 20.16 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampled :

MW-1-111016

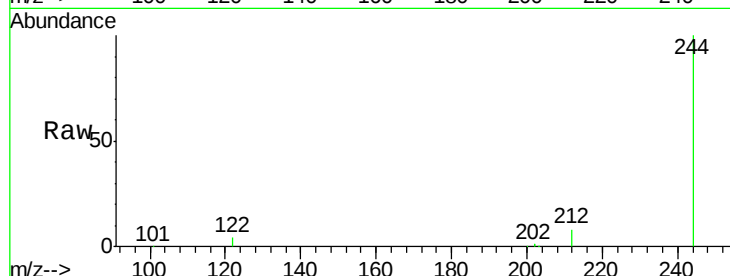
Tgt Ion:244 Resp: 53244

Ion Ratio Lower Upper

244 100

212 8.2 6.7 10.1

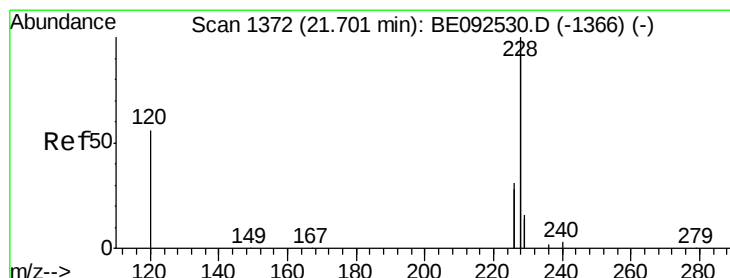
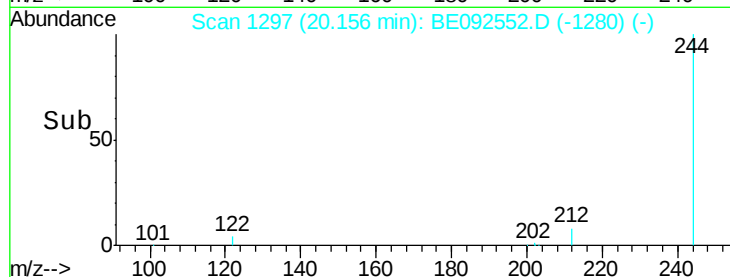
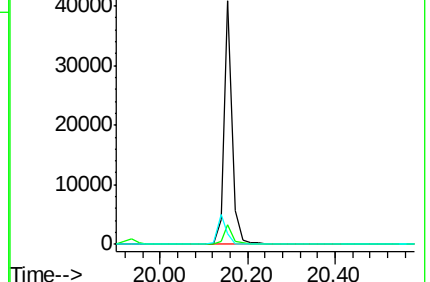
122 4.2 3.6 5.4



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



#27

Benzo(a)anthracene

Concen: 0.12 ng

RT: 21.72 min Scan# 1373

Delta R.T. 0.02 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

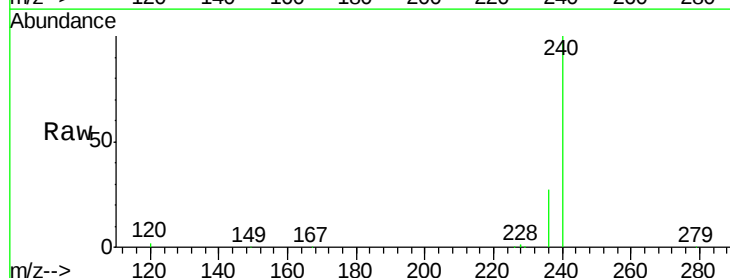
Tgt Ion:228 Resp: 1486

Ion Ratio Lower Upper

228 100

226 45.2 23.6 35.4#

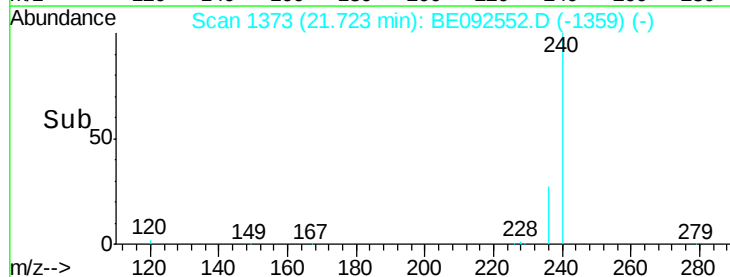
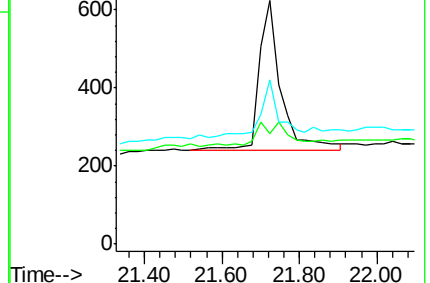
229 67.3 13.3 19.9#

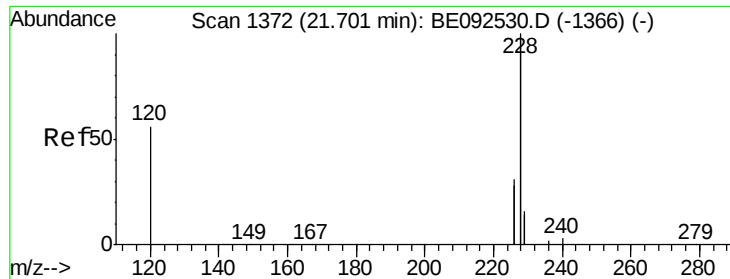


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Chrysene

Concen: 0.02 ng

RT: 21.72 min Scan# 1373

Delta R.T. -0.05 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016

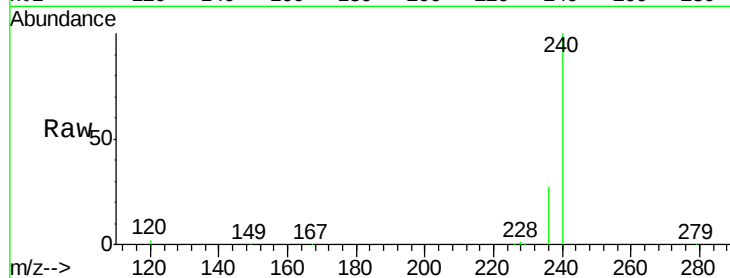
Tgt Ion:228 Resp: 1549

Ion Ratio Lower Upper

228 100

226 45.2 36.3 54.5

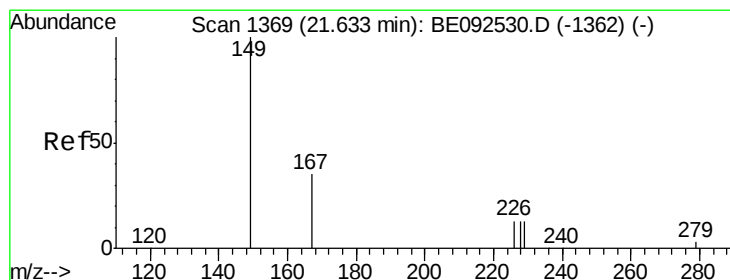
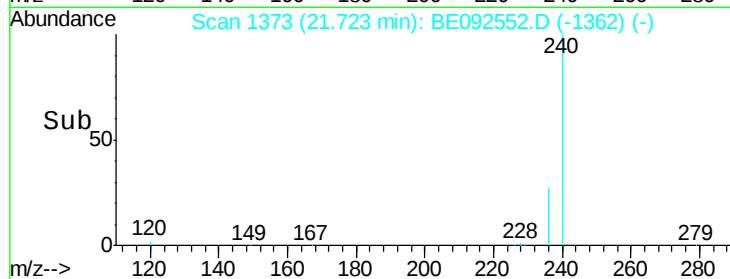
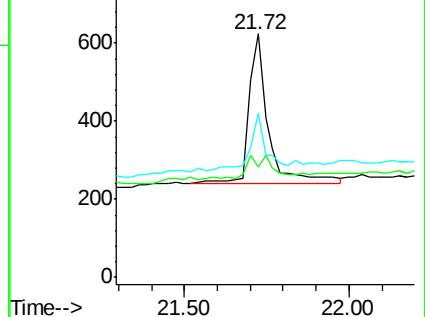
229 67.3 10.6 16.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 21.61 min Scan# 1368

Delta R.T. -0.02 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

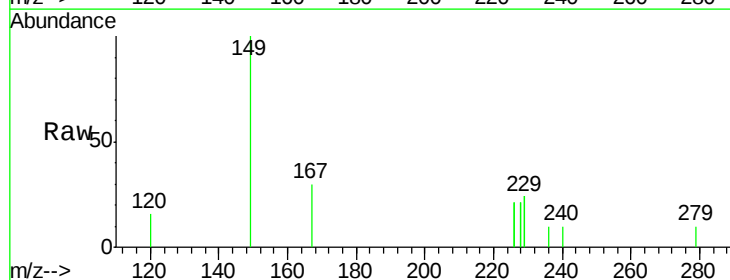
Tgt Ion:149 Resp: 785

Ion Ratio Lower Upper

149 100

167 28.0 16.0 24.0#

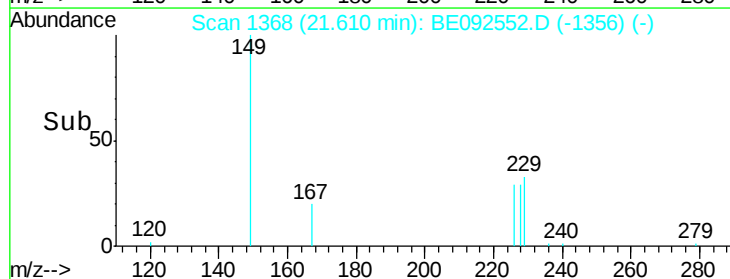
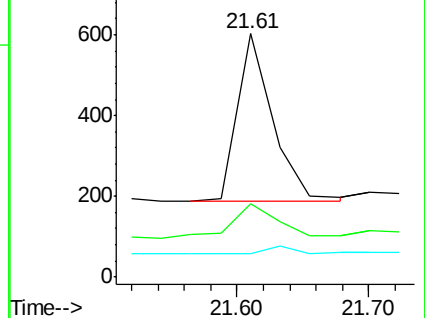
279 0.0 16.0 24.0#

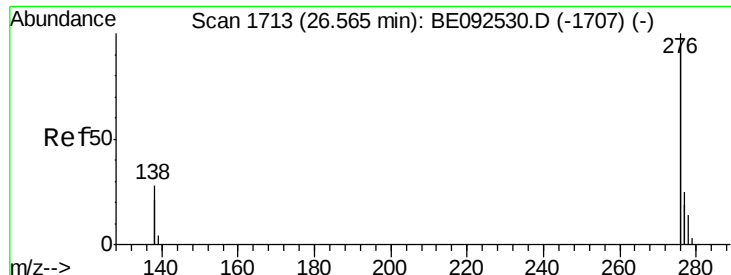


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.58 min Scan# 1714

Delta R.T. 0.02 min

Lab File: BE092552.D

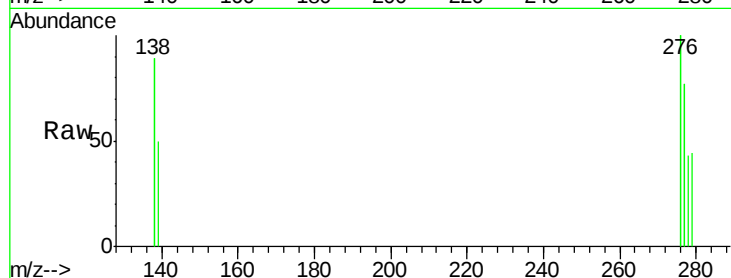
Acq: 17 Nov 2016 2:33

Instrument :

BNA_E

ClientSampleId :

MW-1-111016



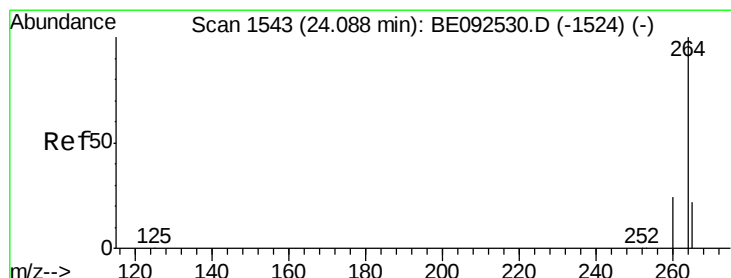
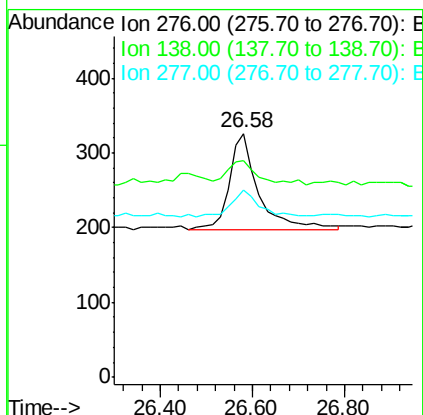
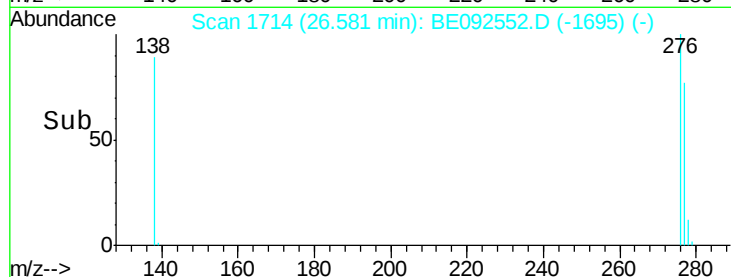
Tgt Ion:276 Resp: 558

Ion Ratio Lower Upper

276 100

138 21.3 20.3 30.5

277 29.4 19.7 29.5



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BE092552.D

Acq: 17 Nov 2016 2:33

Tgt Ion:264 Resp: 69333

Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

265 22.2 17.9 26.9

