

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092554.D
 Acq On : 17 Nov 2016 3:48
 Operator : UM/SJ
 Sample : H5643-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-3-111016

Quant Time: Nov 17 04:55:11 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	7686	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	35259	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24366	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	52678	5.00	ng	0.00
24) Chrysene-d12	21.72	240	83109	5.00	ng	0.00
31) Perylene-d12	24.08	264	73467	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	8098	6.24	ng	-0.02
5) Phenol-d6	7.34	99	6354	3.00	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12732	5.55	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	7711	14.11	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	30804	5.19	ng	-0.01
26) Terphenyl-d14	20.16	244	53250	5.60	ng	-0.02

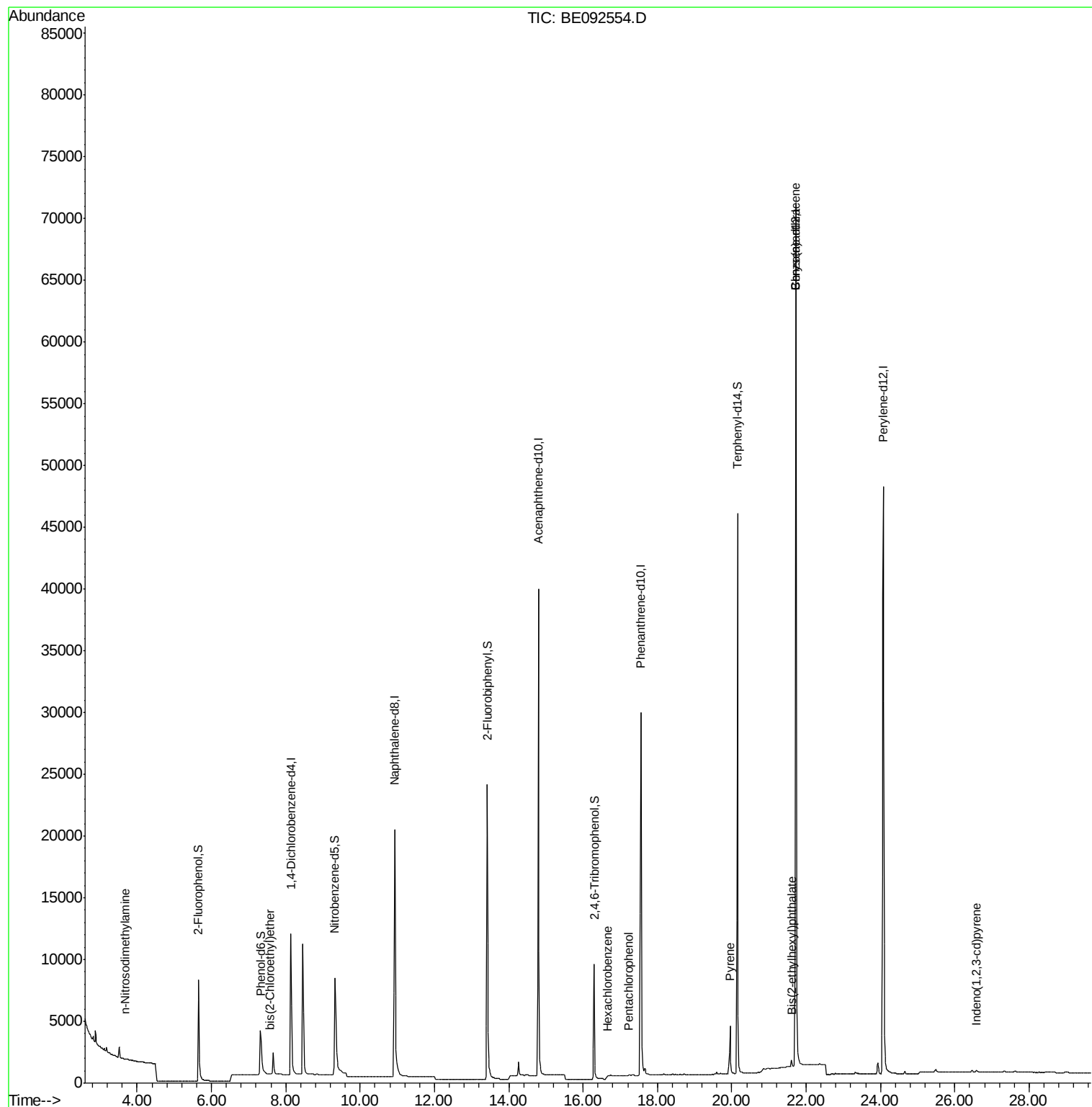
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.57	88	6	Below Cal	#	19
3) n-Nitrosodimethylamine	3.68	42	31	0.20	ng	13
6) bis(2-Chloroethyl)ether	7.57	93	25	0.05	ng	15
19) Hexachlorobenzene	16.66	284	115	0.06	ng	1
20) Pentachlorophenol	17.23	266	47	0.16	ng	79
25) Pyrene	19.95	202	4926	0.07	ng	95
27) Benzo(a)anthracene	21.72	228	1005	0.11	ng	34
29) Bis(2-ethylhexyl)phthalate	21.61	149	848	0.27	ng	77
30) Indeno(1,2,3-cd)pyrene	26.58	276	362	0.05	ng	91

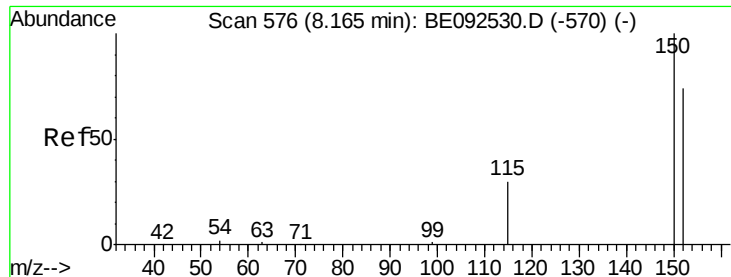
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092554.D

Acq: 17 Nov 2016 3:48

Instrument :

BNA_E

ClientSampleId :

MW-3-111016

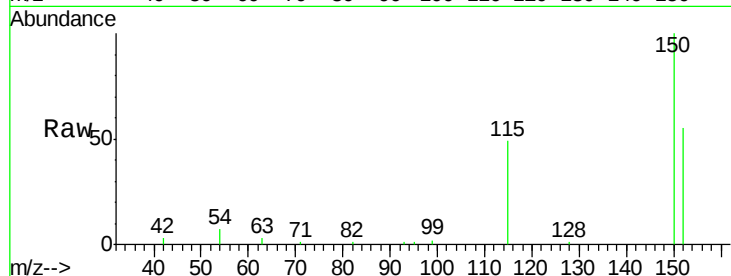
Tgt Ion: 152 Resp: 7686

Ion Ratio Lower Upper

152 100

150 181.8 106.0 159.0#

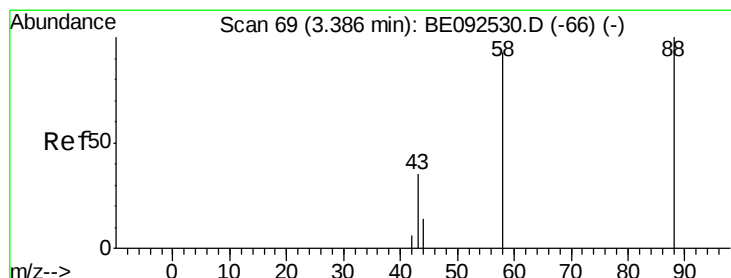
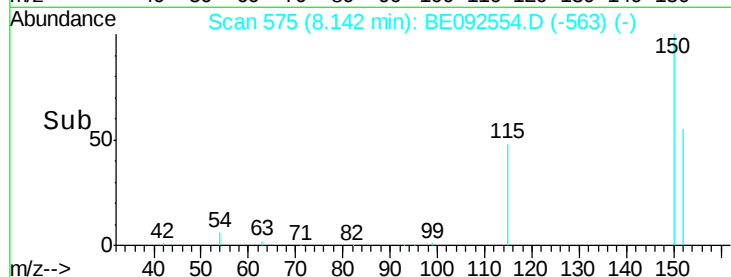
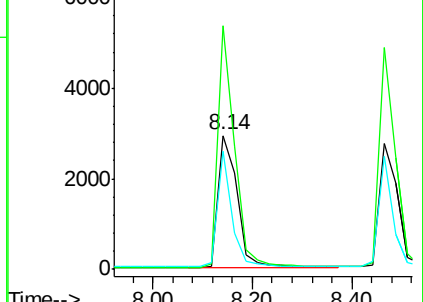
115 88.2 31.2 46.8#



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: 3.57 min Scan# 85

Delta R.T. 0.19 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

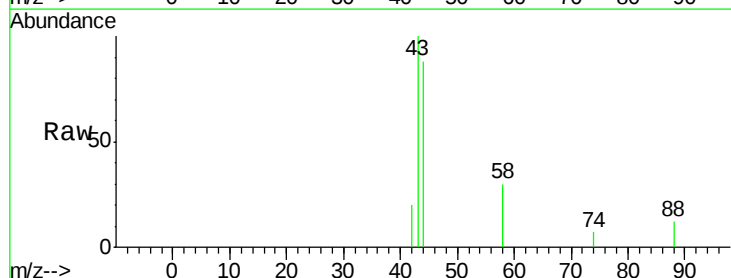
Tgt Ion: 88 Resp: 6

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

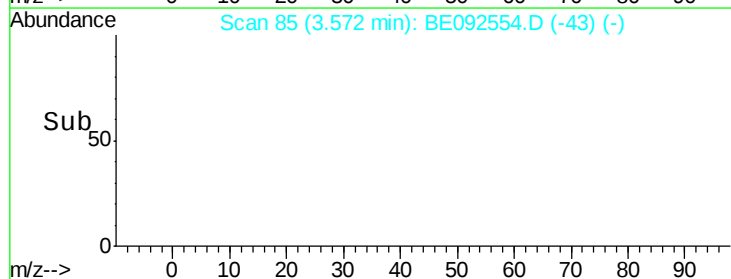
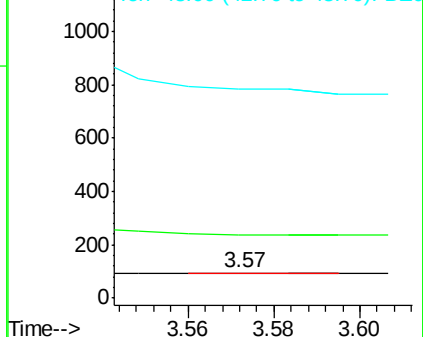
43 0.0 28.0 42.0#

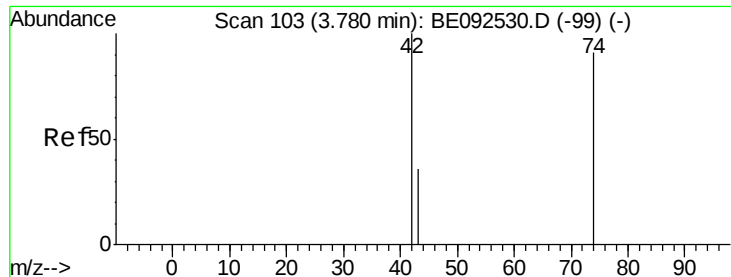


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

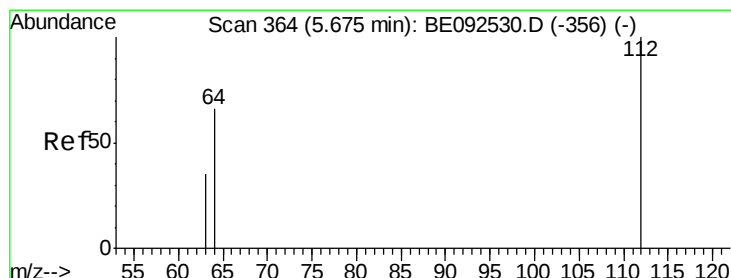
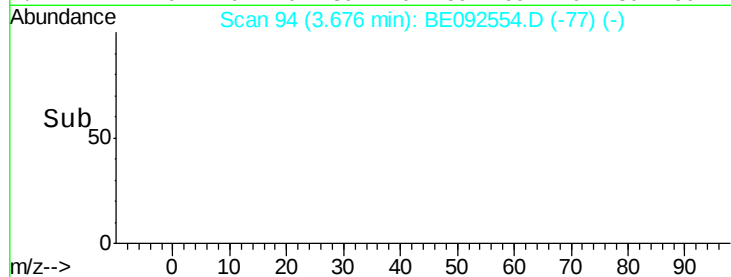
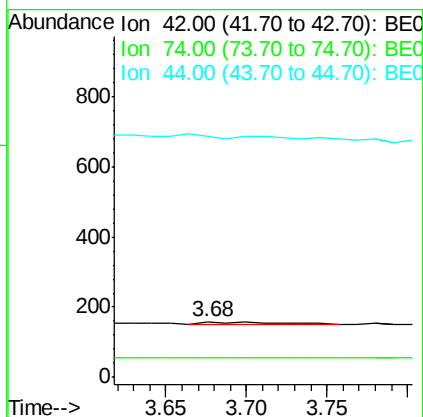
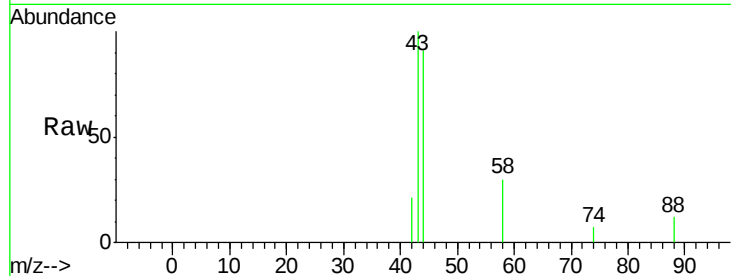




#3
n-Nitrosodimethylamine
Concen: 0.20 ng
RT: 3.68 min Scan# 94
Delta R.T. -0.10 min
Lab File: BE092554.D
Acq: 17 Nov 2016 3:48

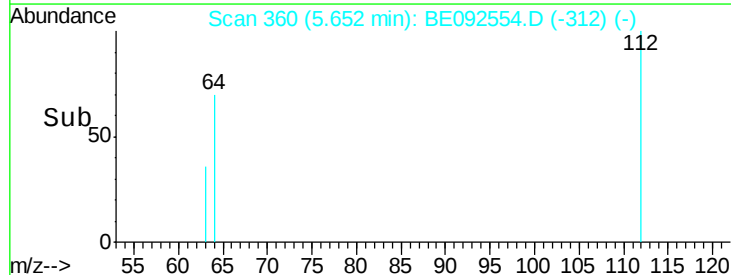
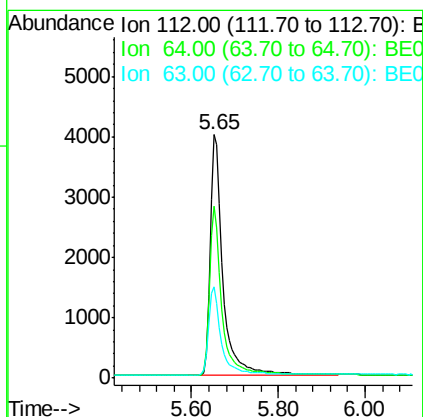
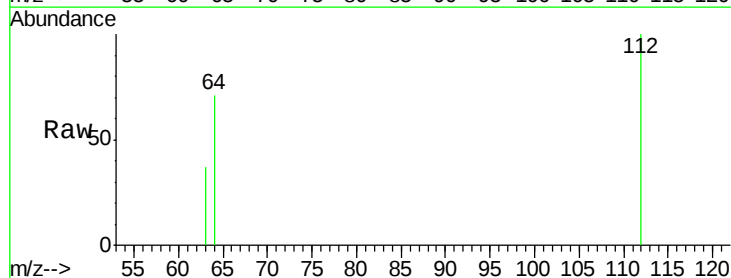
Instrument :
BNA_E
ClientSampleId :
MW-3-111016

Tgt Ion: 42 Resp: 31
Ion Ratio Lower Upper
42 100
74 12.9 86.0 129.0#
44 0.0 5.1 7.7#



#4
2-Fluorophenol
Concen: 6.24 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.02 min
Lab File: BE092554.D
Acq: 17 Nov 2016 3:48

Tgt Ion: 112 Resp: 8098
Ion Ratio Lower Upper
112 100
64 68.1 53.5 80.3
63 36.1 27.9 41.9





#5

Phenol-d6

Concen: 3.00 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

Instrument :

BNA_E

ClientSampleId :

MW-3-111016

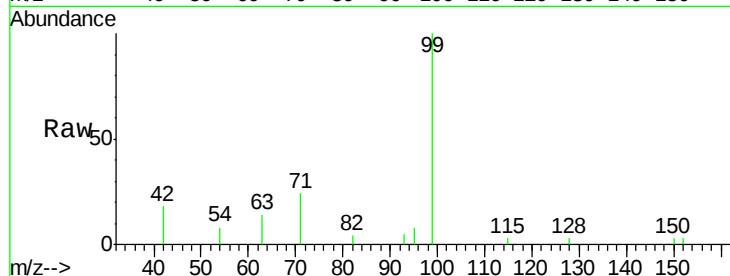
Tgt Ion: 99 Resp: 6354

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

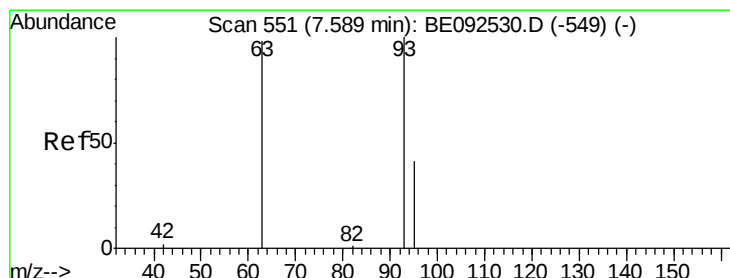
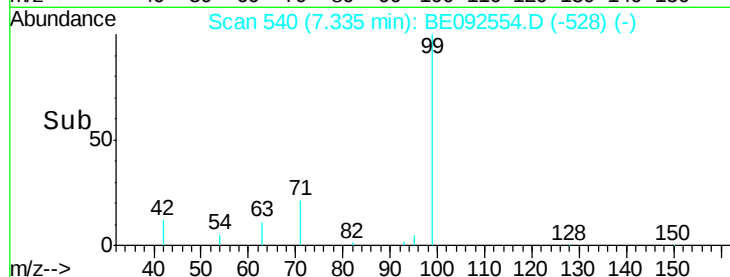
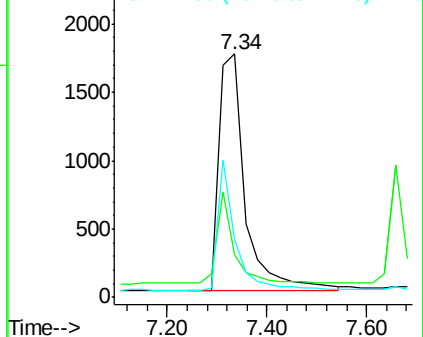
71 0.0 30.6 45.8#



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: 0.05 ng

RT: 7.57 min Scan# 550

Delta R.T. -0.02 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

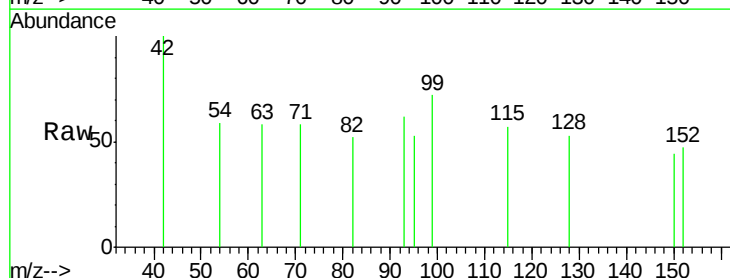
Tgt Ion: 93 Resp: 25

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

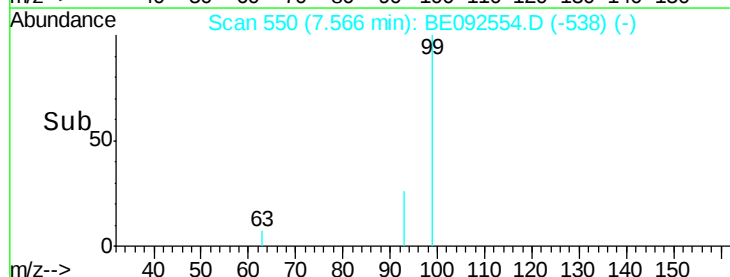
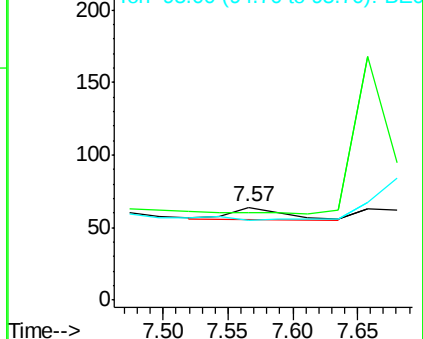
95 0.0 24.0 36.0#

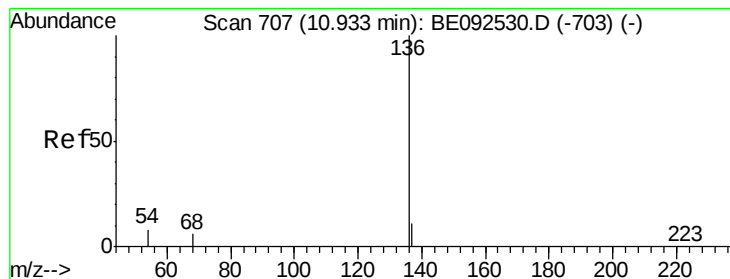


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092554.D

Acq: 17 Nov 2016 3:48

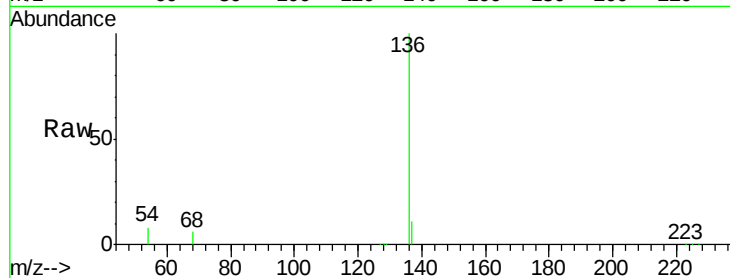
Instrument :

BNA_E

ClientSampleId :

MW-3-111016

Tgt Ion:	136	Resp:	35259
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	7.6	9.6	14.4#
68	5.7	6.7	10.1#

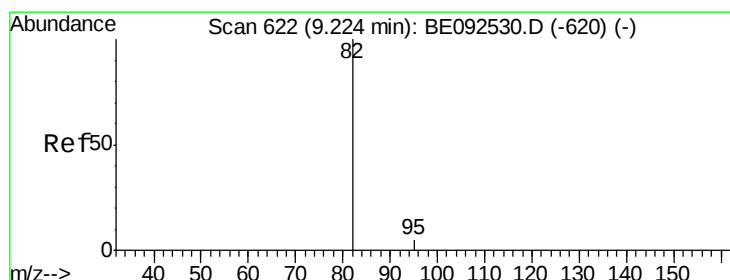
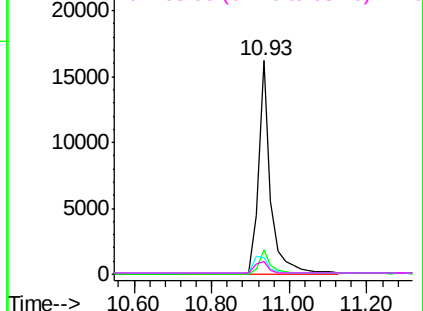
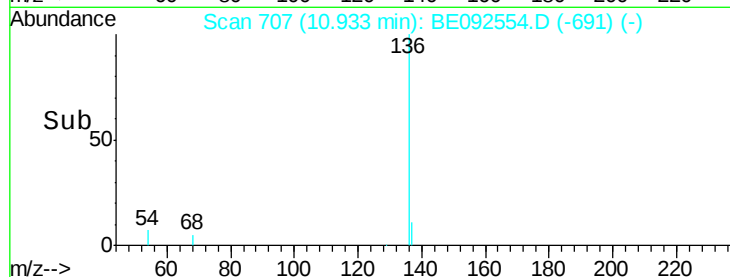


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.55 ng

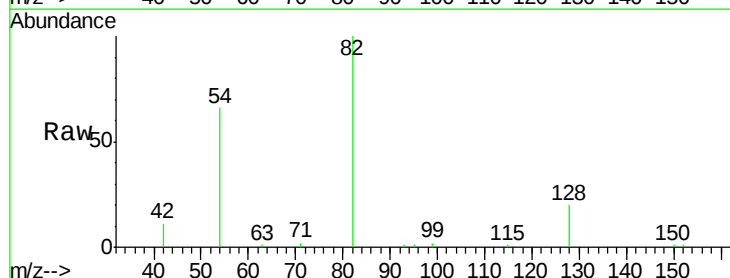
RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

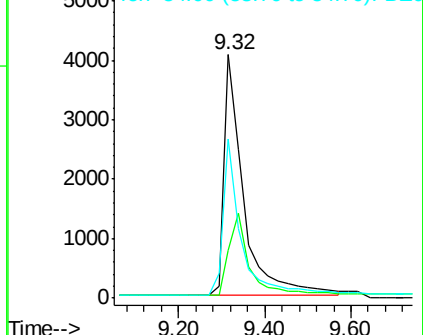
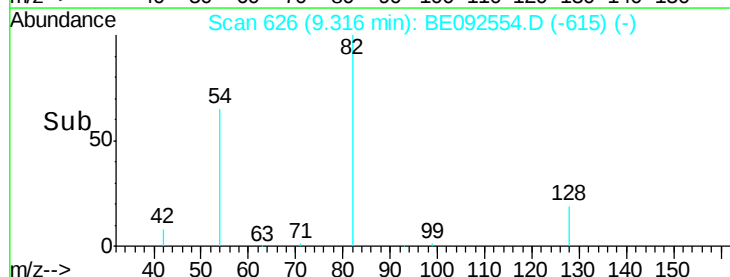
Tgt Ion:	82	Resp:	12732
Ion	Ratio	Lower	Upper
82	100		
128	19.7	39.0	58.4#
54	65.6	44.8	67.2

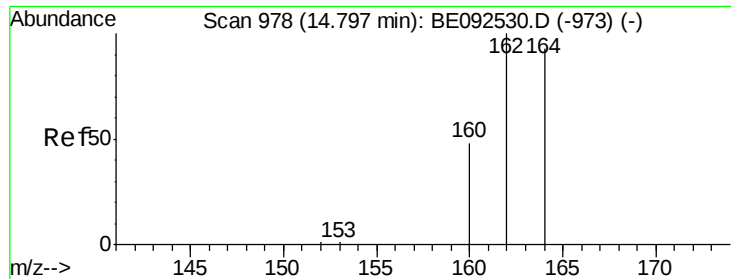


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE092554.D

Acq: 17 Nov 2016 3:48

Instrument :

BNA_E

ClientSampleId :

MW-3-111016

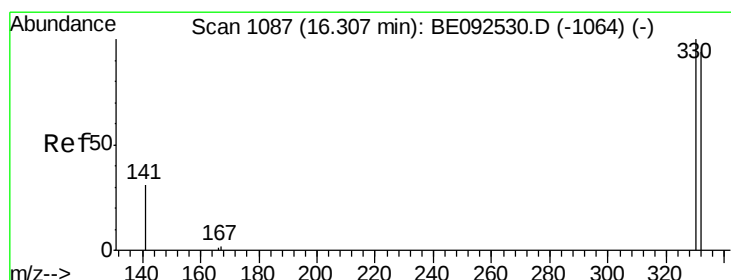
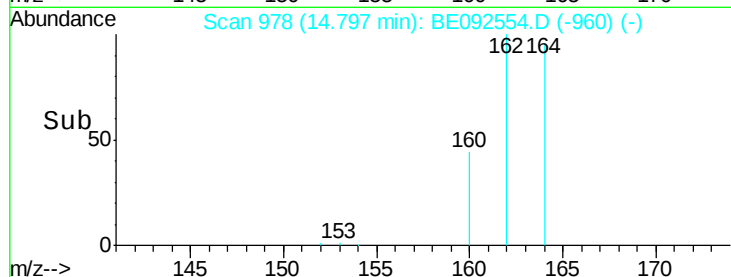
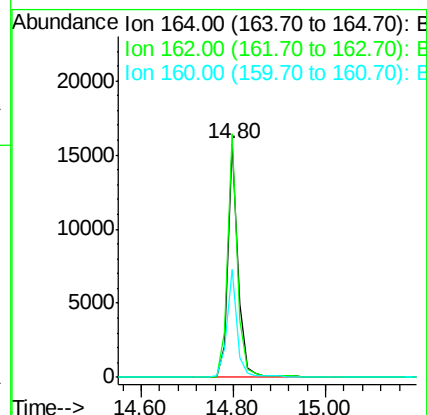
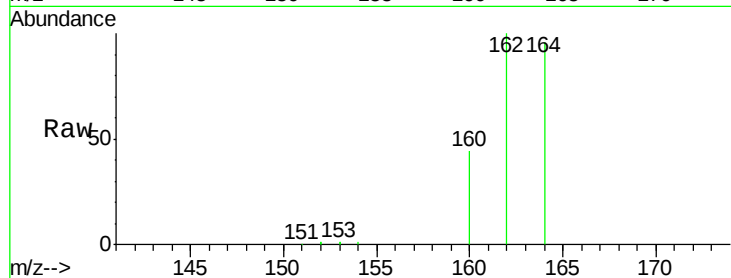
Tgt Ion:164 Resp: 24366

Ion Ratio Lower Upper

164 100

162 104.1 71.4 107.0

160 46.2 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 14.11 ng

RT: 16.30 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

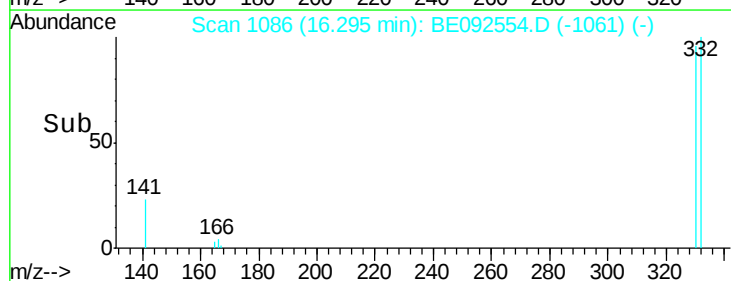
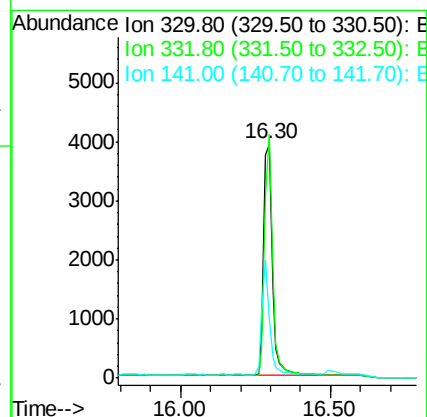
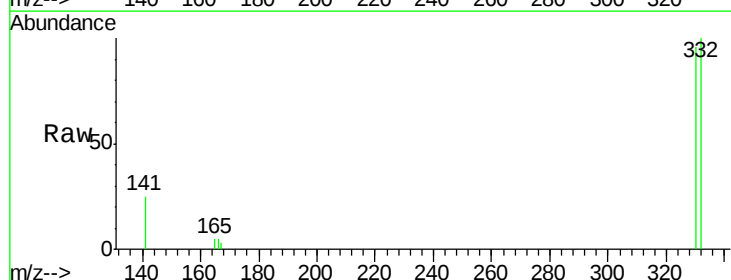
Tgt Ion:330 Resp: 7711

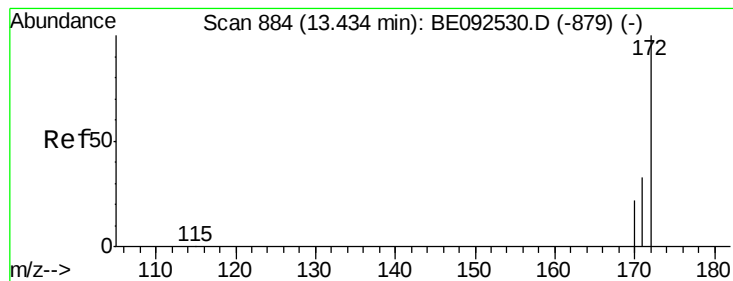
Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.0

141 43.0 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 5.19 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

Instrument :

BNA_E

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MW-3-111016

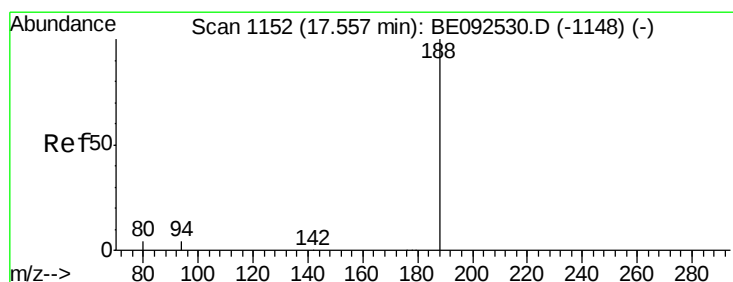
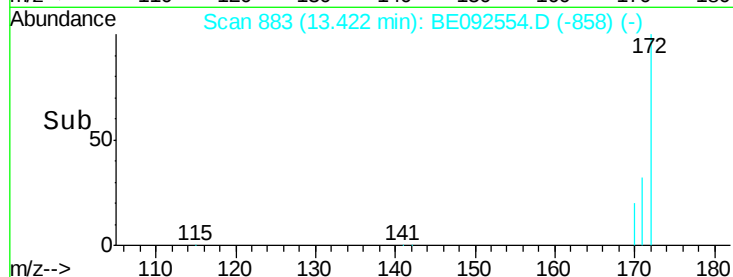
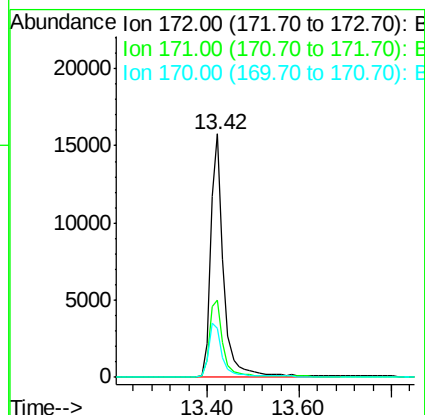
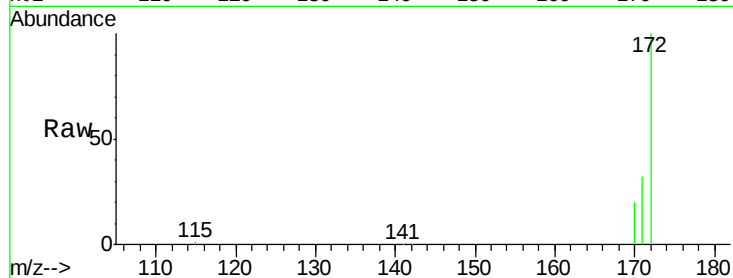
Tgt Ion:172 Resp: 30804

Ion Ratio Lower Upper

172 100

171 32.0 30.1 45.1

170 20.0 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: BE092554.D

Acq: 17 Nov 2016 3:48

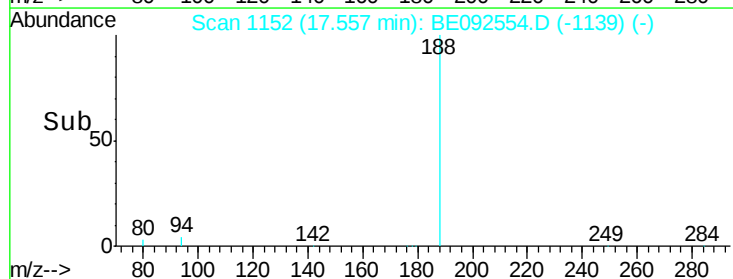
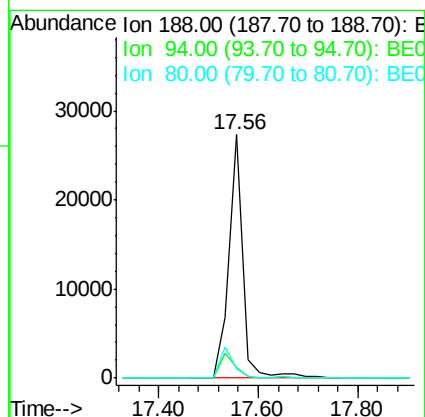
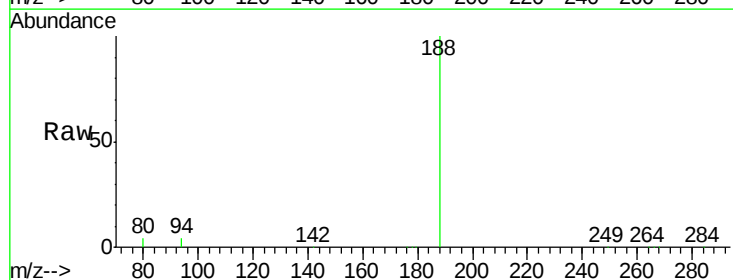
Tgt Ion:188 Resp: 52678

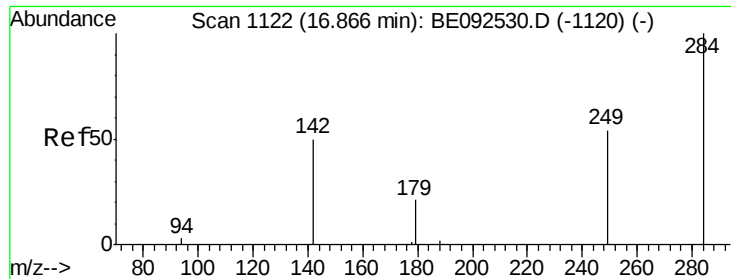
Ion Ratio Lower Upper

188 100

94 4.2 3.2 4.8

80 3.7 2.6 3.8





#19

Hexachlorobenzene

Concen: 0.06 ng

RT: 16.66 min Scan# 1113

Delta R.T. -0.21 min

Lab File: BE092554.D

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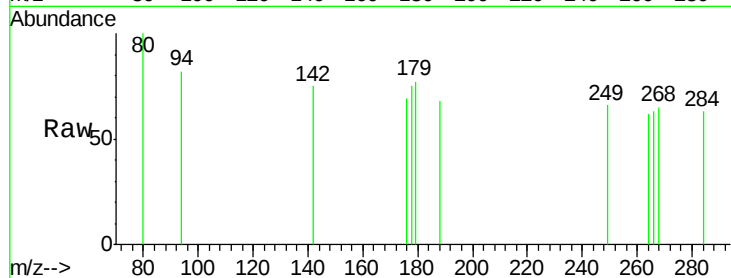
Tgt Ion: 284 Resp: 115

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

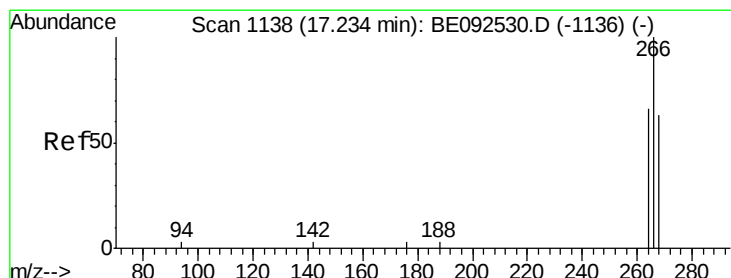
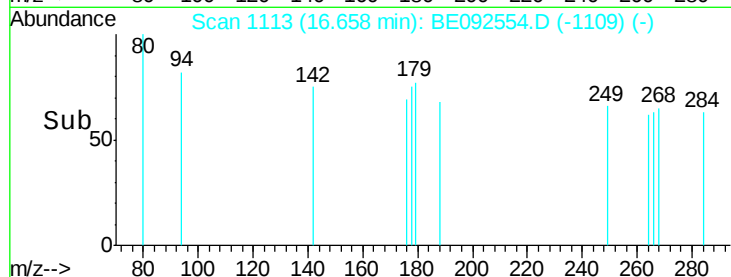
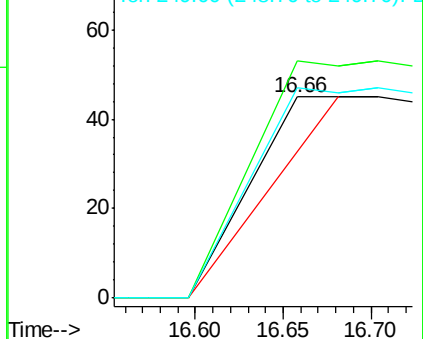
249 487.8 27.9 41.9#



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: 0.16 ng

RT: 17.23 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

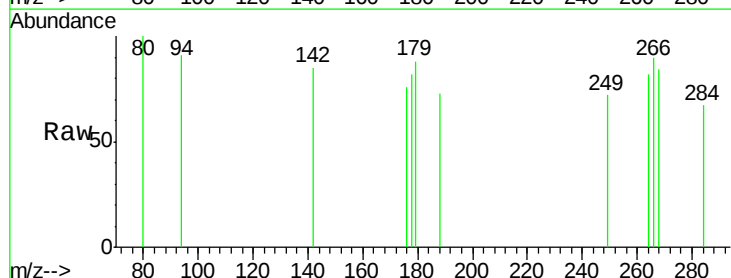
Tgt Ion: 266 Resp: 47

Ion Ratio Lower Upper

266 100

268 93.3 62.5 93.7

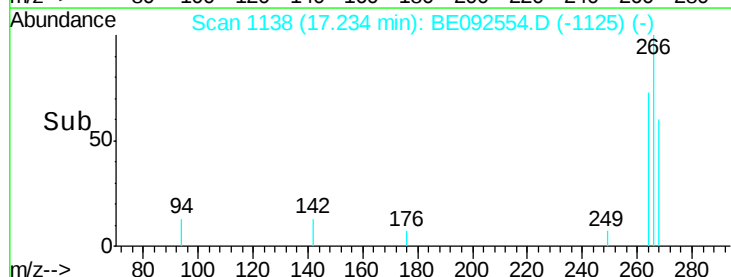
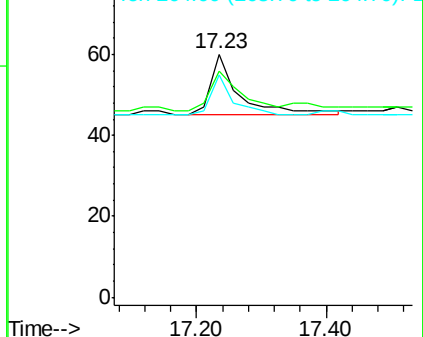
264 91.7 57.2 85.8#

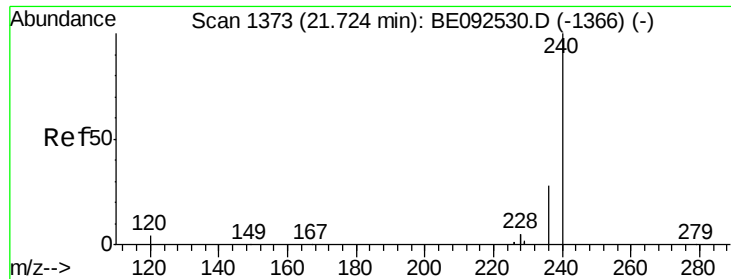


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

Instrument :

BNA_E

ClientSampleId :

MW-3-111016

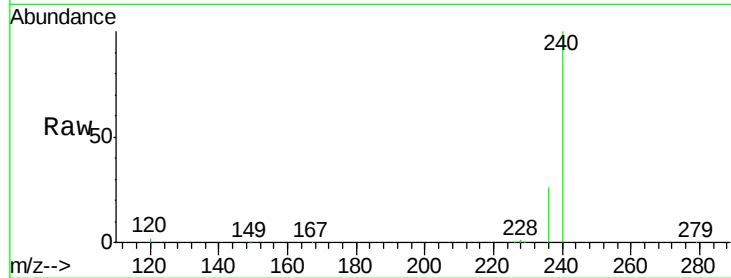
Tgt Ion:240 Resp: 83109

Ion Ratio Lower Upper

240 100

120 1.6 2.6 4.0#

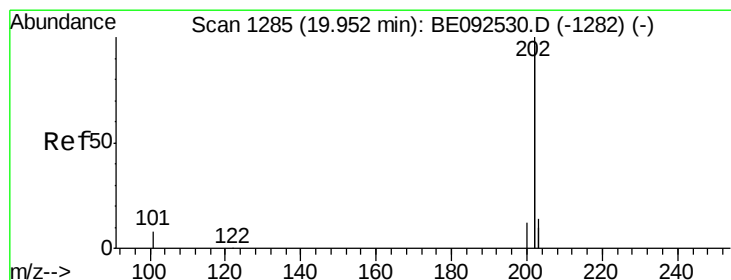
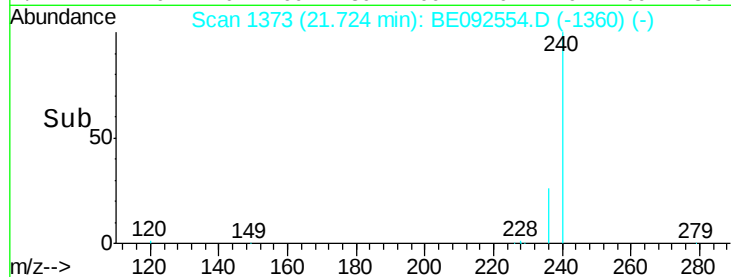
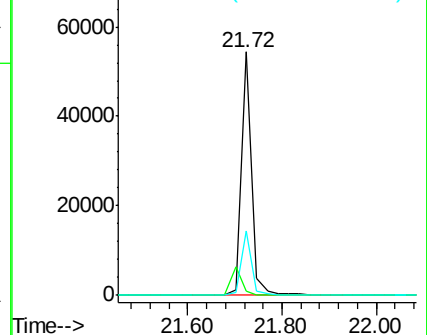
236 26.3 24.6 37.0



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



#25

Pyrene

Concen: 0.07 ng

RT: 19.95 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

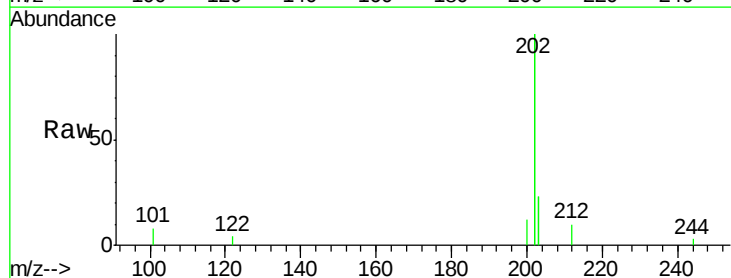
Tgt Ion:202 Resp: 4926

Ion Ratio Lower Upper

202 100

200 5.1 4.2 6.4

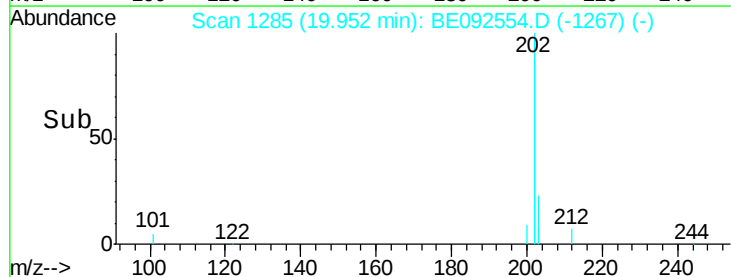
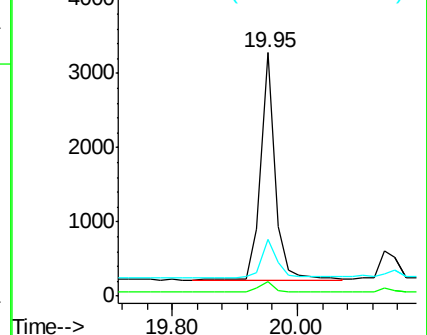
203 20.3 13.9 20.9

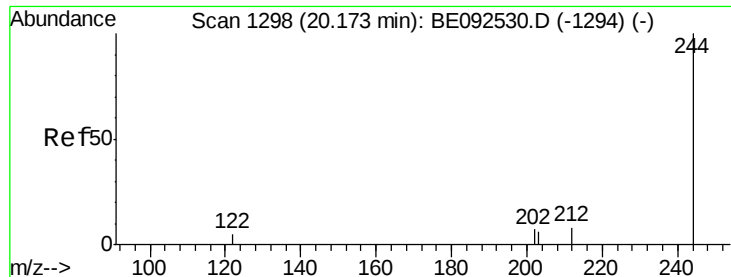


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

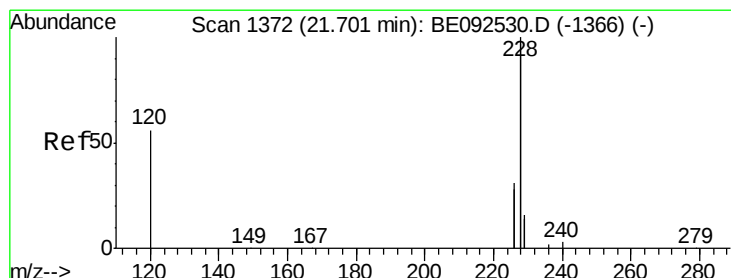
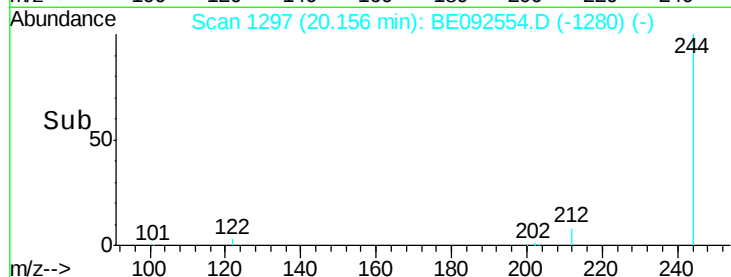
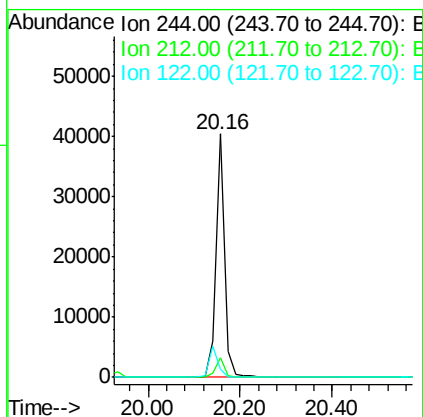
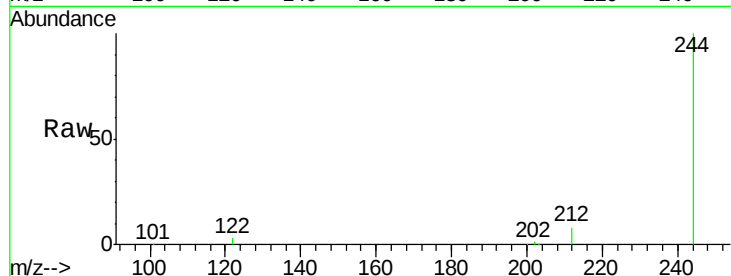




#26
 Terphenyl-d14
 Concen: 5.60 ng
 RT: 20.16 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092554.D
 Acq: 17 Nov 2016 3:48

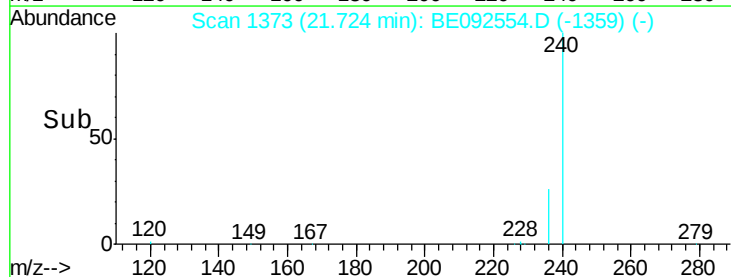
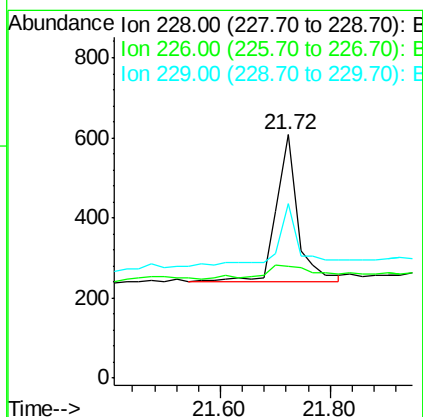
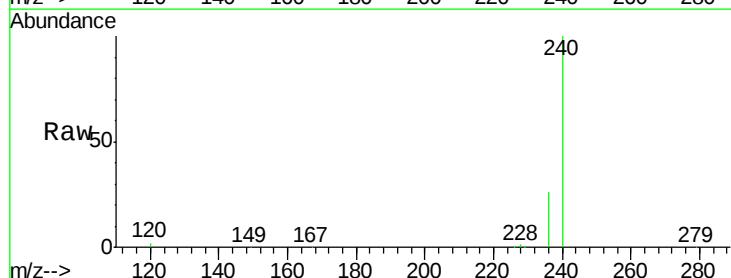
Instrument :
 BNA_E
 ClientSampleId :
 MW-3-111016

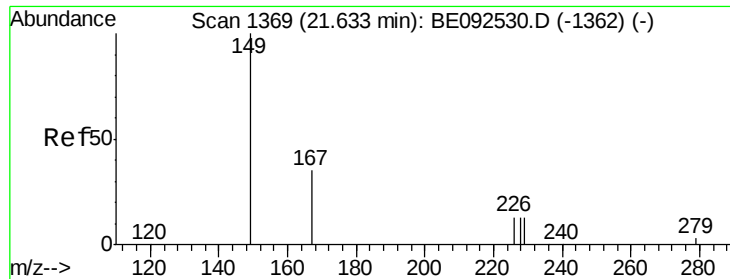
Tgt Ion: 244 Resp: 53250
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.7 10.1
 122 3.4 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.72 min Scan# 1373
 Delta R.T. 0.02 min
 Lab File: BE092554.D
 Acq: 17 Nov 2016 3:48

Tgt Ion: 228 Resp: 1005
 Ion Ratio Lower Upper
 228 100
 226 46.1 23.6 35.4#
 229 71.7 13.3 19.9#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 21.61 min Scan# 1368

Delta R.T. -0.02 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

Instrument :

BNA_E

ClientSampleId :

MW-3-111016

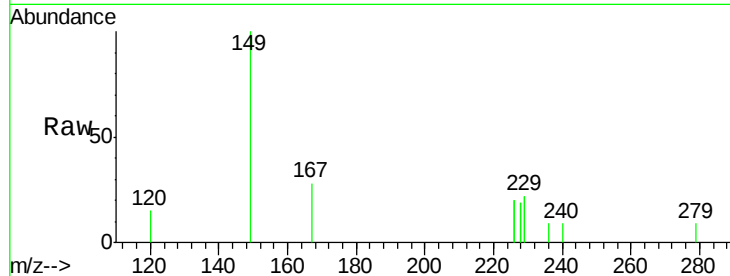
Tgt Ion:149 Resp: 848

Ion Ratio Lower Upper

149 100

167 19.2 16.0 24.0

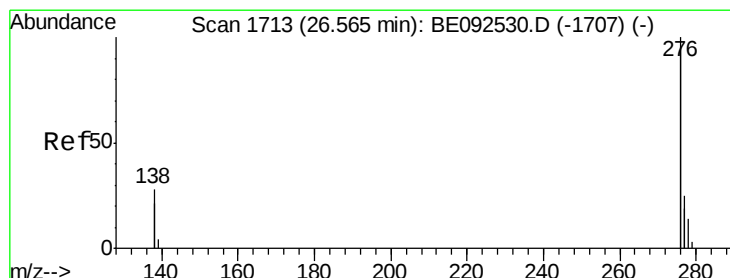
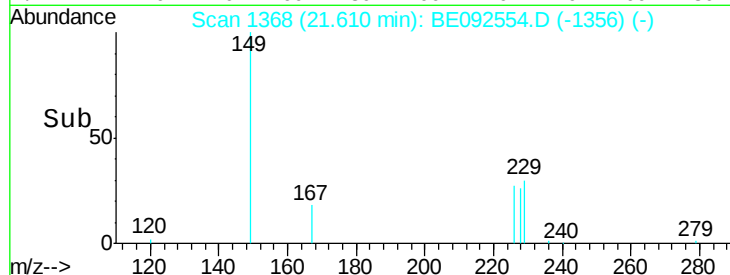
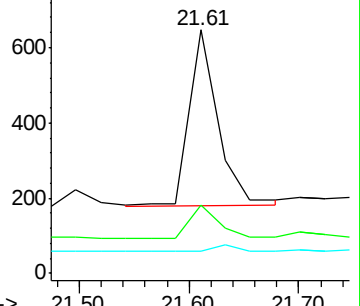
279 0.0 16.0 24.0#



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: BE092554.D

Acq: 17 Nov 2016 3:48

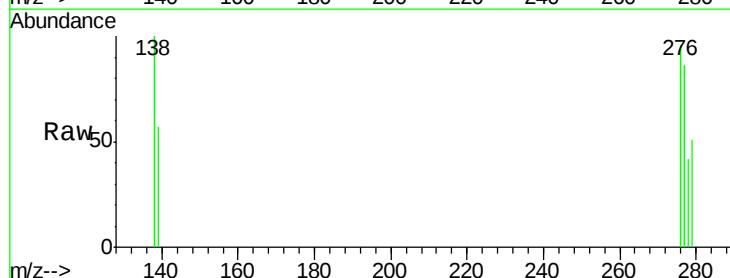
Tgt Ion:276 Resp: 362

Ion Ratio Lower Upper

276 100

138 22.9 20.3 30.5

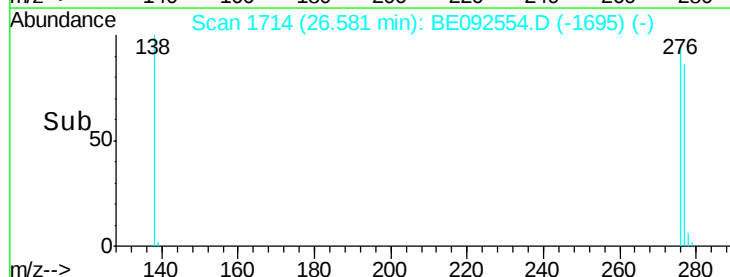
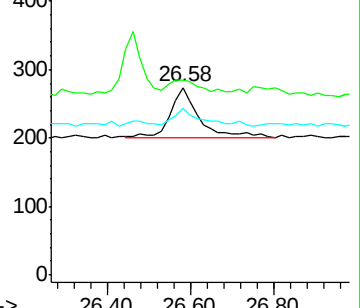
277 30.9 19.7 29.5#

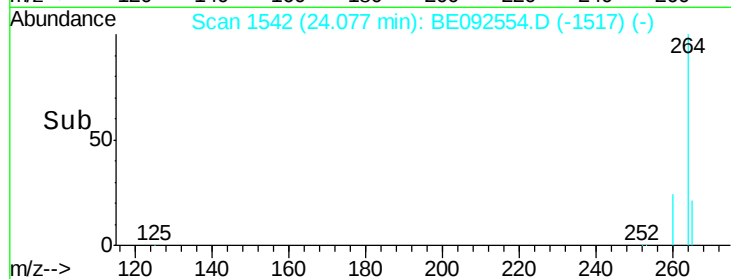
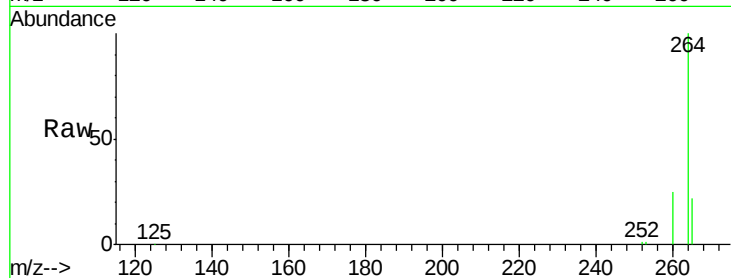
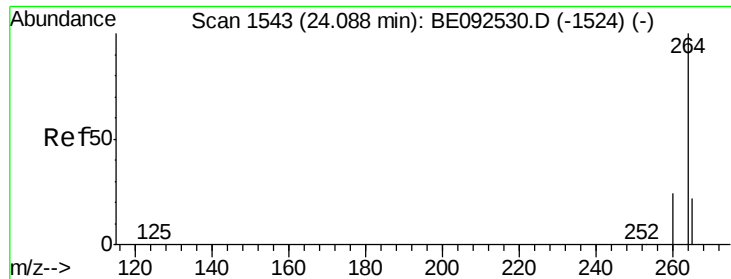


Abundance Ion 276.00 (275.70 to 276.70): E

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# 1542

Delta R.T. -0.01 min

Lab File: BE092554.D

Acq: 17 Nov 2016 3:48

Instrument :

BNA_E

ClientSampleId :

MW-3-111016

Tgt Ion: 264 Resp: 73467

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 22.2 17.9 26.9

