

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111616\
 Data File : BE092553.D
 Acq On : 17 Nov 2016 3:09
 Operator : UM/SJ
 Sample : H5643-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111016

Quant Time: Nov 17 15:41:41 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

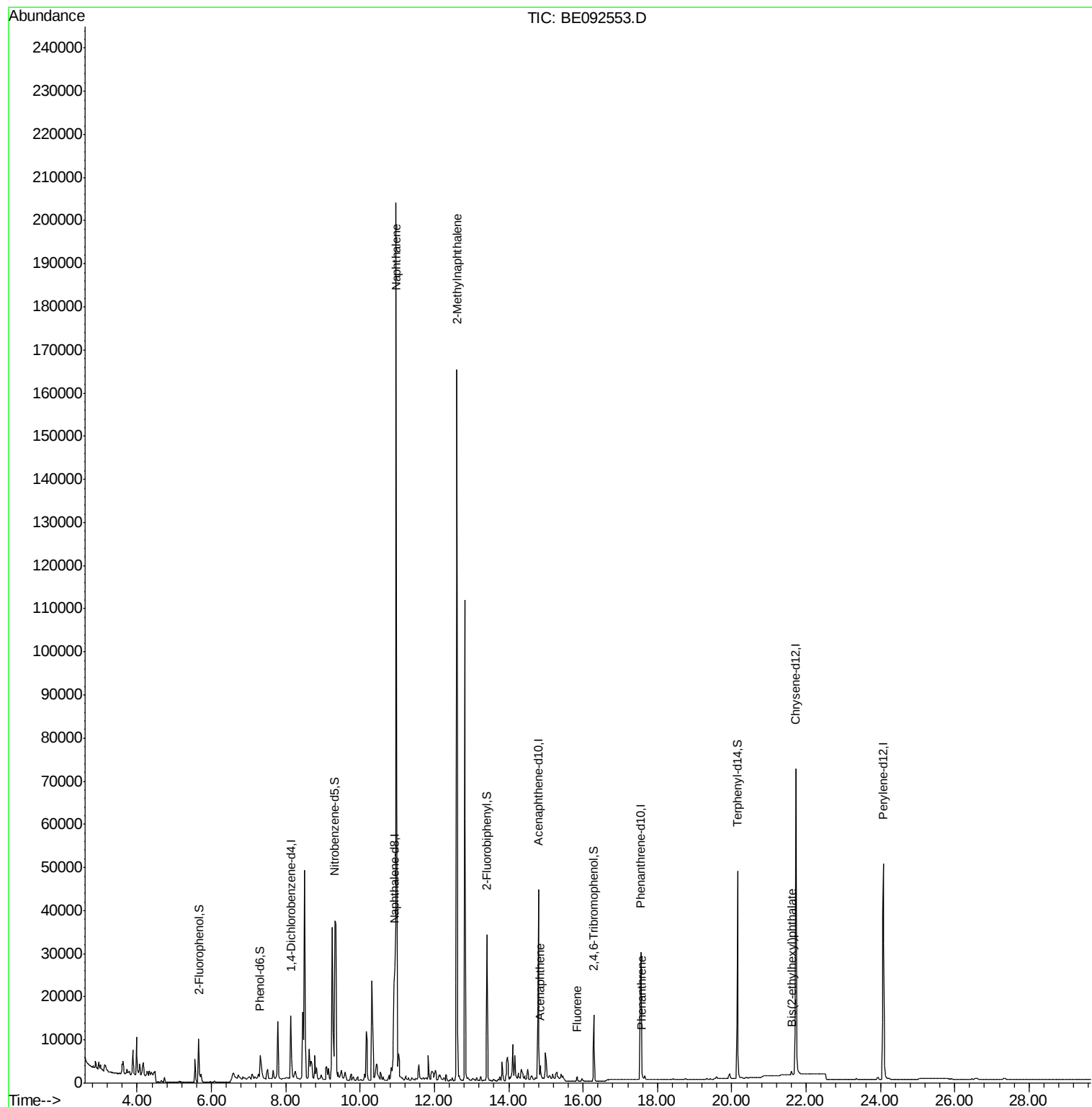
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8351	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	40443	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	27206	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	53634	5.00	ng	0.00
24) Chrysene-d12	21.72	240	83690	5.00	ng	0.00
31) Perylene-d12	24.08	264	73721	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	9028	6.40	ng	-0.02
5) Phenol-d6	7.31	99	7733	3.35	ng	-0.04
8) Nitrobenzene-d5	9.32	82	15440	5.87	ng	-0.04
13) 2,4,6-Tribromophenol	16.28	330	9668	15.84	ng	-0.02
14) 2-Fluorobiphenyl	13.41	172	36037	5.43	ng	-0.02
26) Terphenyl-d14	20.16	244	55755	5.83	ng	-0.02
Target Compounds						
9) Naphthalene	10.97	128	298327	35.75	ng	Qvalue 96
11) 2-Methylnaphthalene	12.60	142	122295m	22.98	ng	
16) Acenaphthene	14.85	154	825	0.13	ng	# 87
17) Fluorene	15.84	166	900	0.12	ng	# 91
21) Phenanthrene	17.58	178	843	0.07	ng	# 84
29) Bis(2-ethylhexyl)phthalate	21.61	149	1051	0.31	ng	# 72

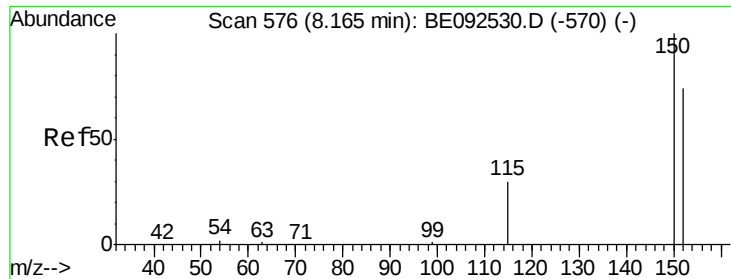
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

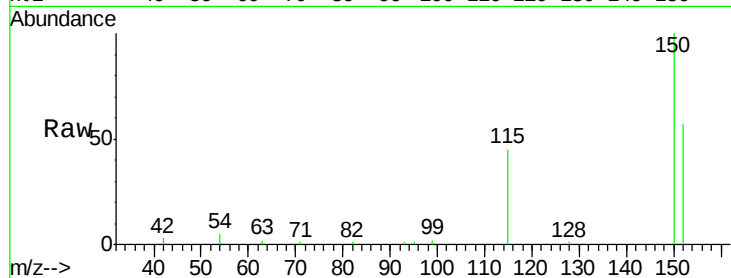
Tot Ion:152 Resp: 8351

Ion Ratio Lower Upper

152 100

150 174.4 106.0 159.0#

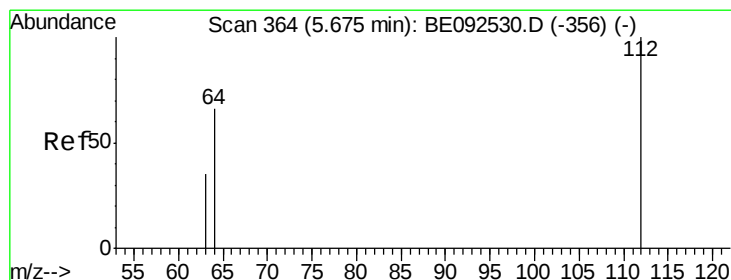
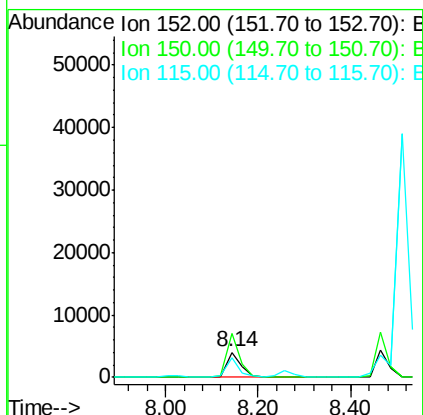
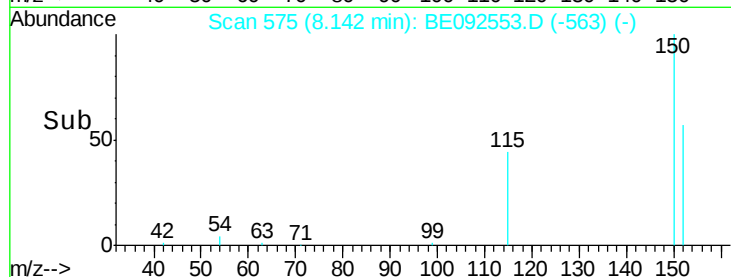
115 78.3 31.2 46.8#



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



#4

2-Fluorophenol

Concen: 6.40 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

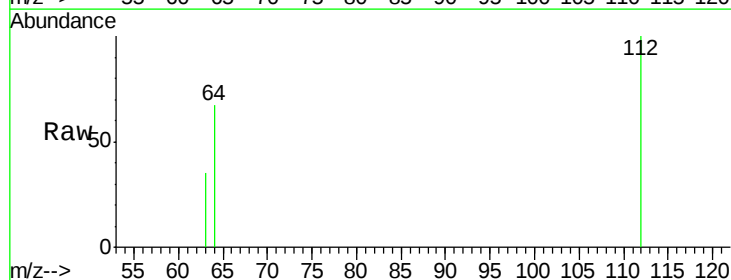
Tgt Ion:112 Resp: 9028

Ion Ratio Lower Upper

112 100

64 65.5 53.5 80.3

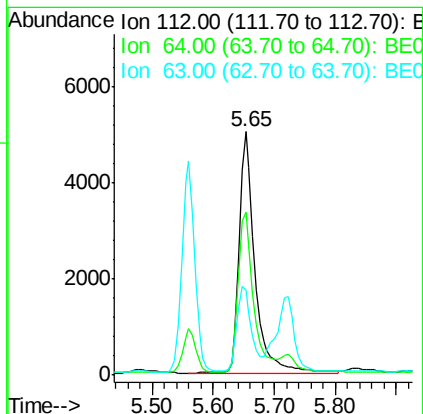
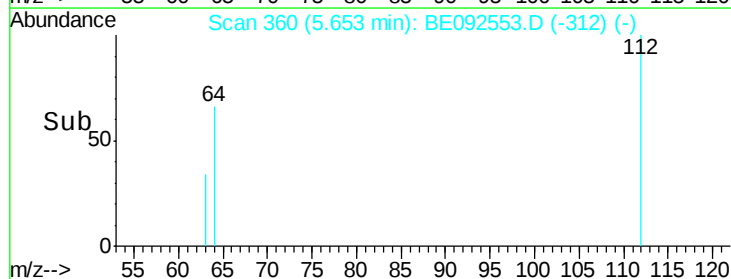
63 32.4 27.9 41.9

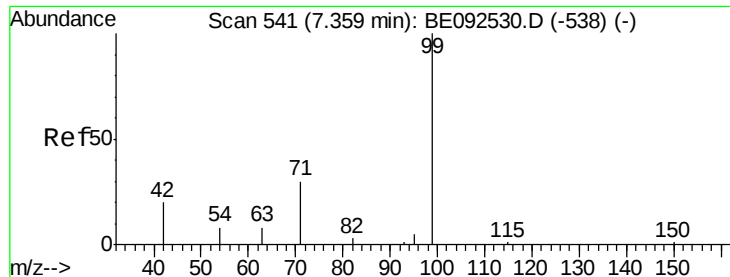


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.35 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.04 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

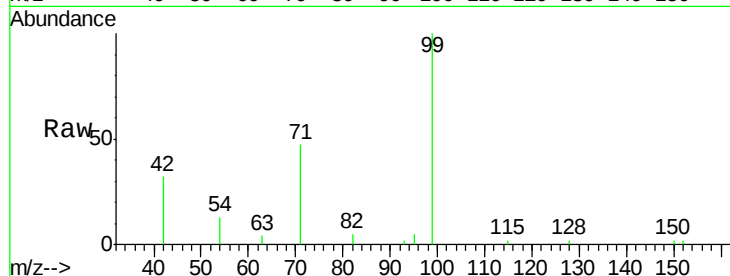
BNA_E

ClientSampleId :

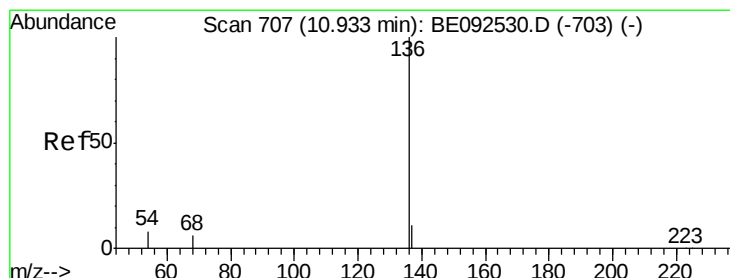
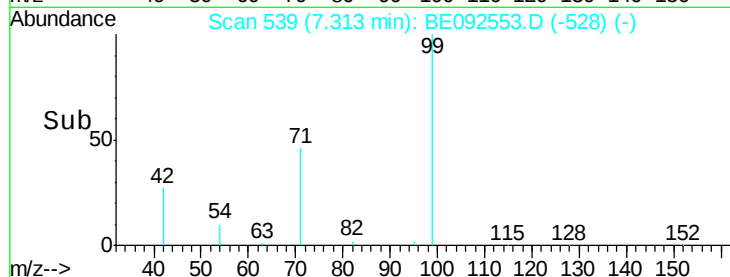
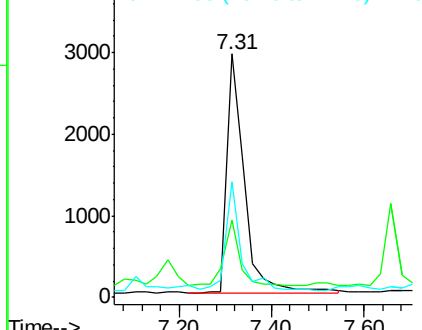
MW-2-111016

Tot Ion: 99 Resp: 7733

Ion	Ratio	Lower	Upper
99	100		
42	24.0	16.0	24.0#
71	38.4	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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

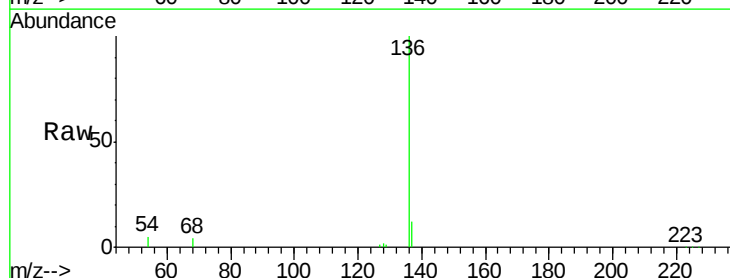
Delta R.T. -0.00 min

Lab File: BE092553.D

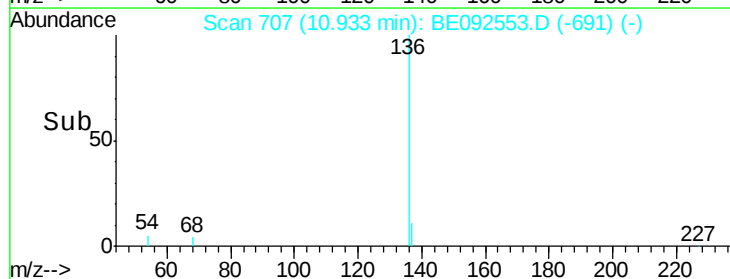
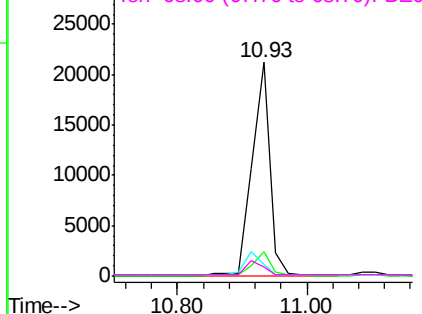
Acq: 17 Nov 2016 3:09

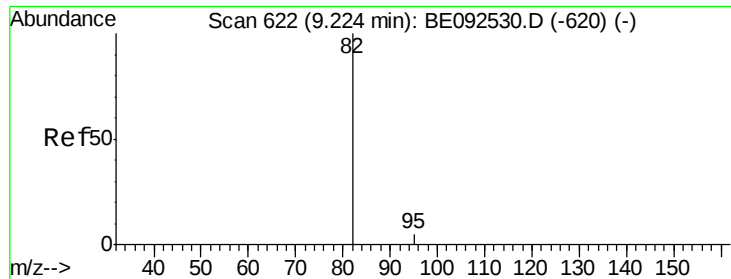
Tgt Ion: 136 Resp: 40443

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.2	12.4
54	5.4	9.6	14.4#
68	4.4	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: 5.87 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.04 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

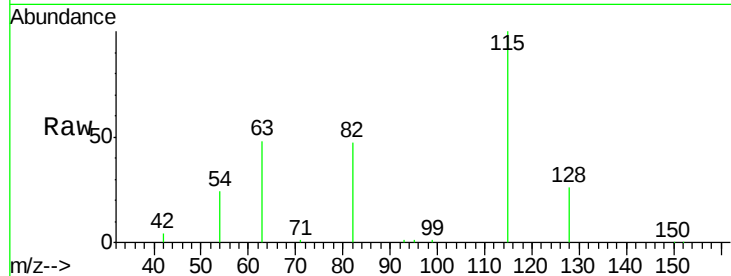
Tot Ion: 82 Resp: 15440

Ion Ratio Lower Upper

82 100

128 55.4 39.0 58.4

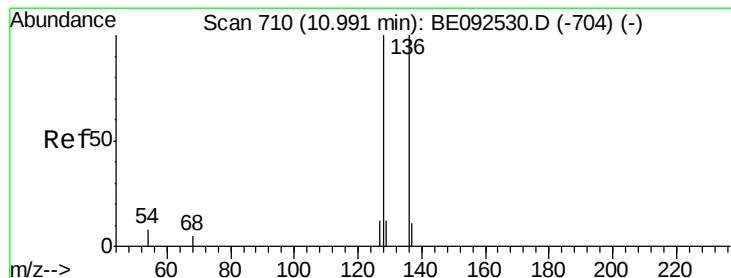
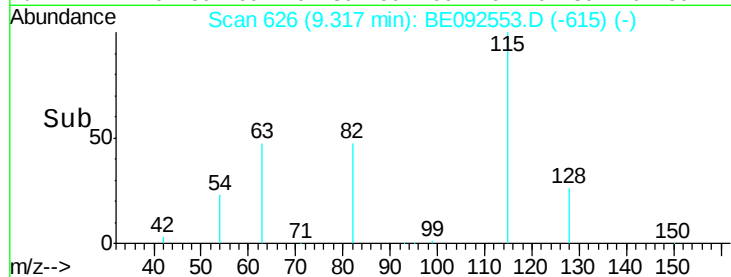
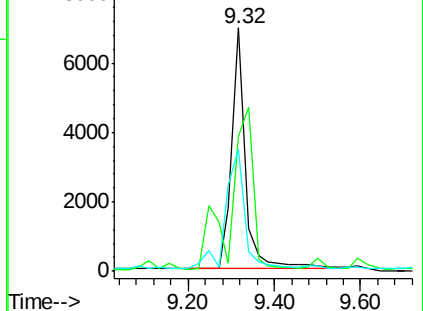
54 50.2 44.8 67.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 35.75 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

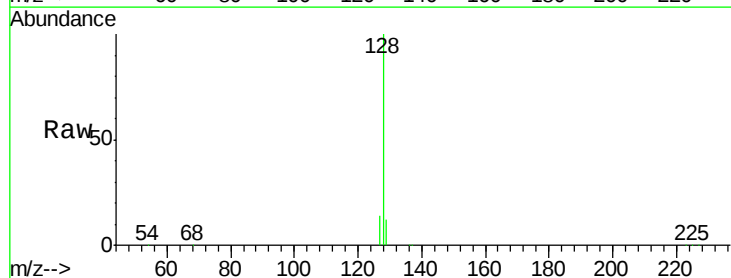
Tgt Ion: 128 Resp: 298327

Ion Ratio Lower Upper

128 100

129 11.7 11.2 16.8

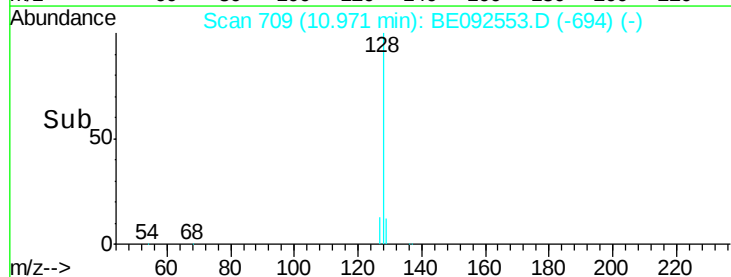
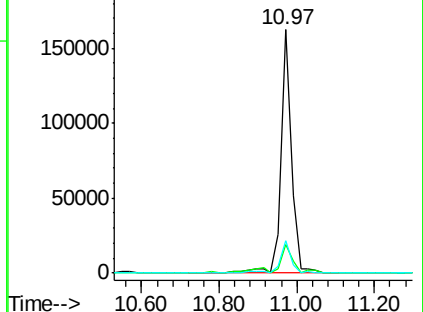
127 13.5 11.6 17.4

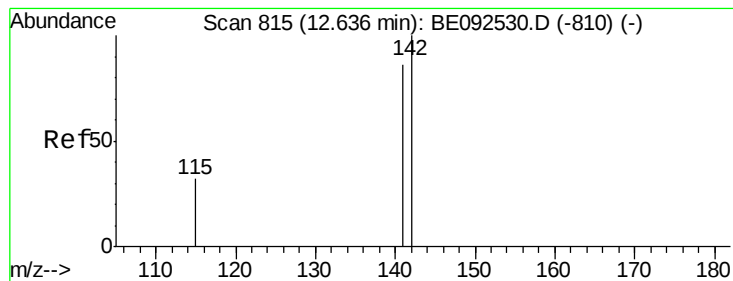


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene

Concen: 22.98 ng

RT: 12.60 min Scan# 812

Delta R.T. -0.04 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

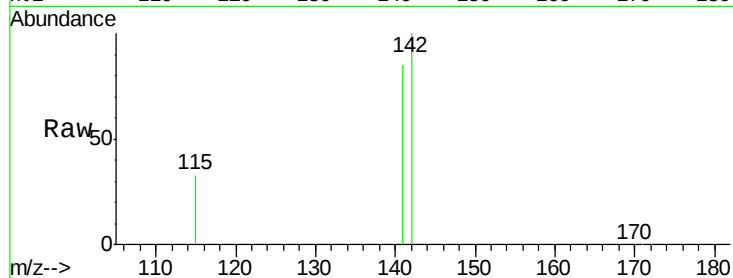
Tot Ion:142 Resp: 122295

Ion Ratio Lower Upper

142 100

141 85.0 73.7 110.5

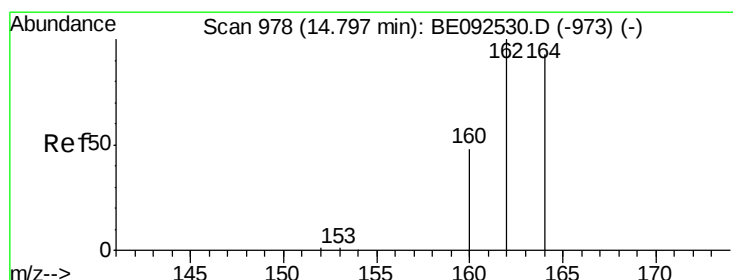
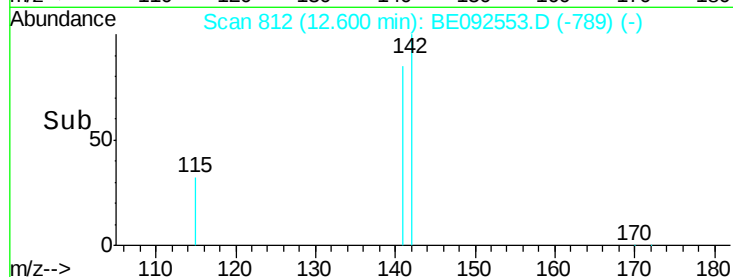
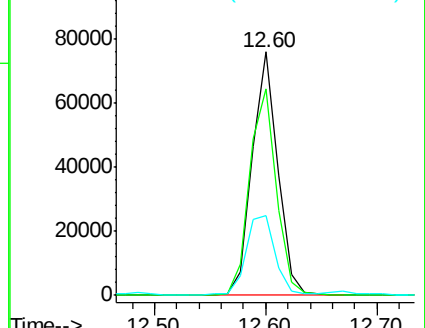
115 32.8 34.0 51.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

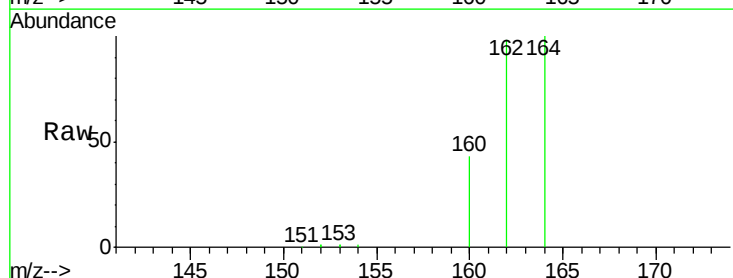
Tgt Ion:164 Resp: 27206

Ion Ratio Lower Upper

164 100

162 97.9 71.4 107.0

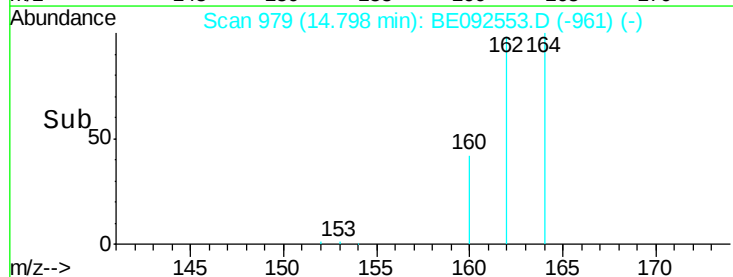
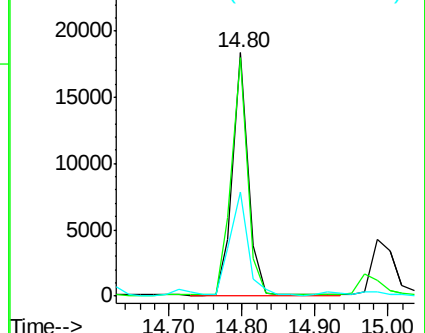
160 42.9 27.4 41.2#

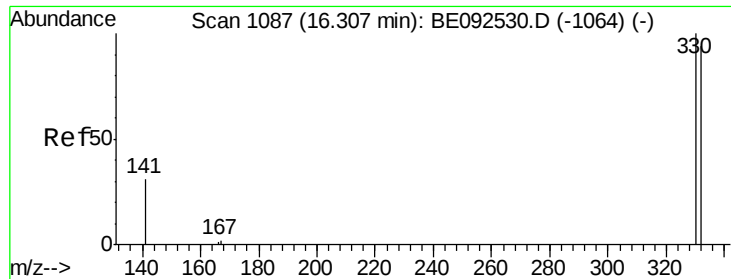


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

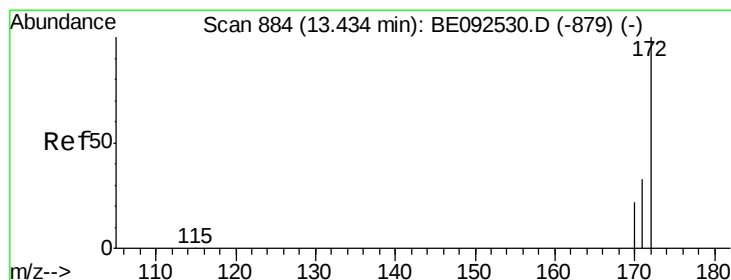
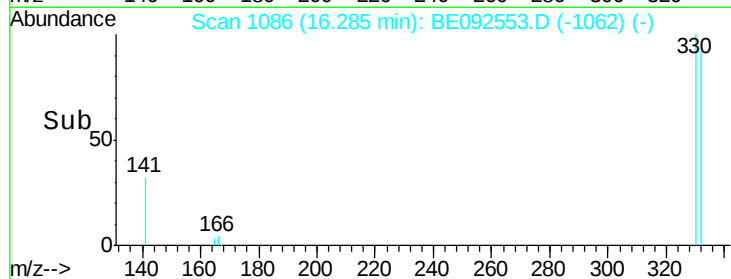
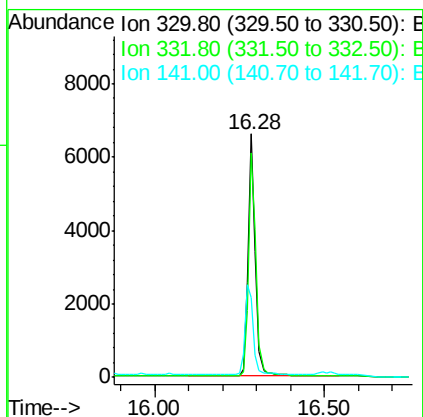
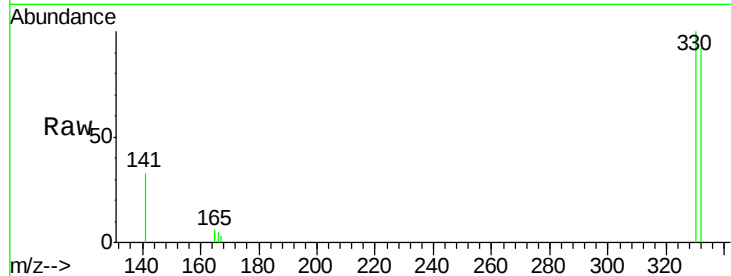




#13
 2,4,6-Tribromophenol
 Concen: 15.84 ng
 RT: 16.28 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

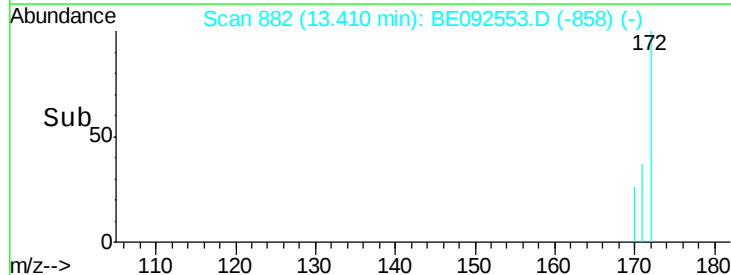
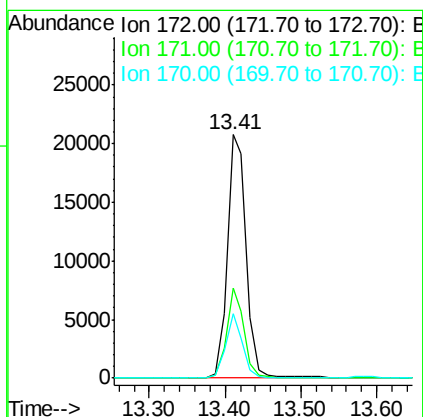
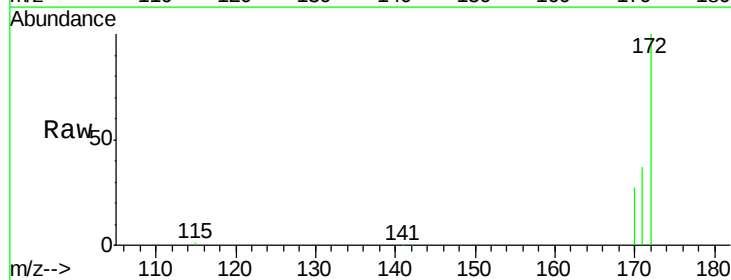
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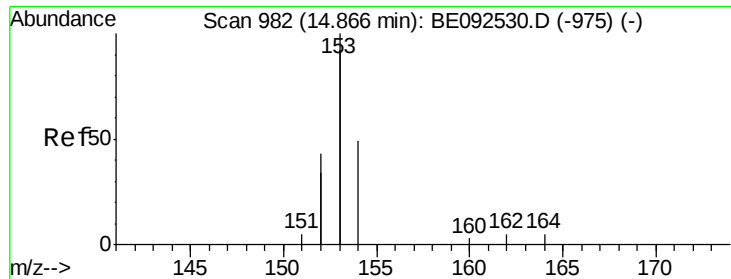
Tot Ion:330 Resp: 9668
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.4 113.0
 141 42.1 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.43 ng
 RT: 13.41 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

Tgt Ion:172 Resp: 36037
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.1 45.1
 170 26.5 21.8 32.6

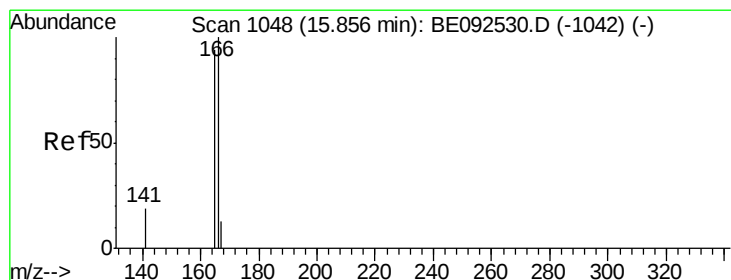
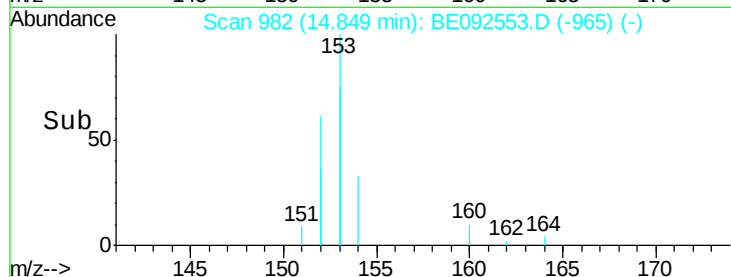
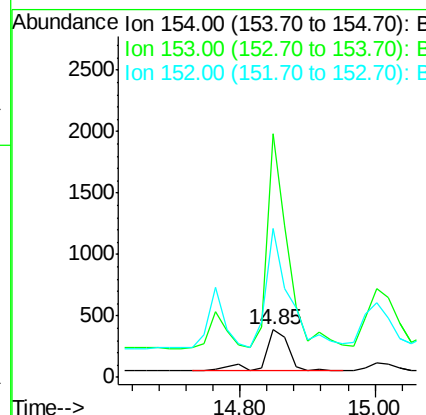
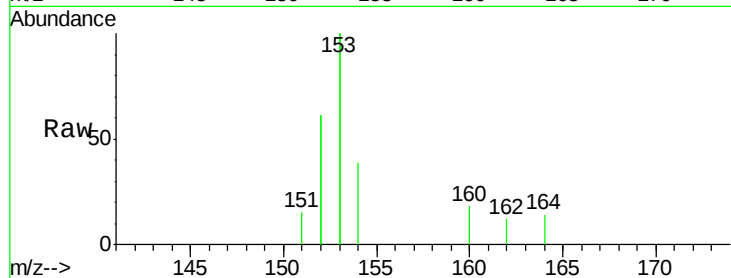




#16
Acenaphthene
Concen: 0.13 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.02 min
Lab File: BE092553.D
Acq: 17 Nov 2016 3:09

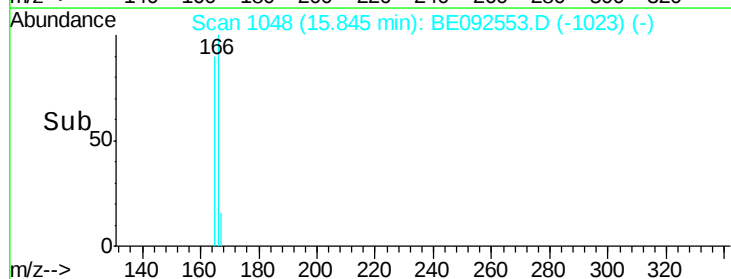
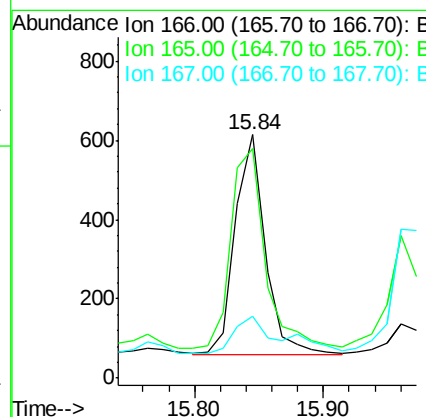
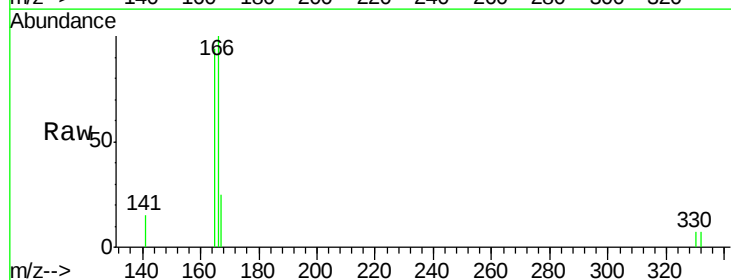
Instrument :
BNA_E
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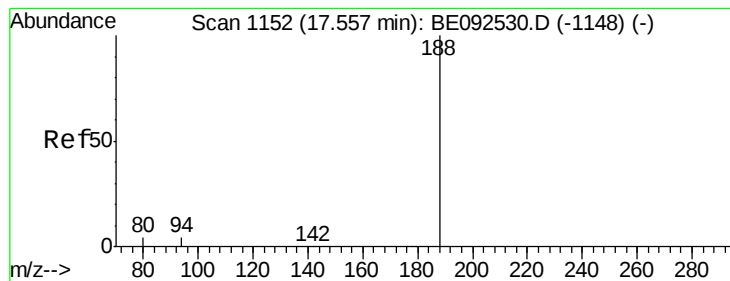
Tot Ion:154 Resp: 825
Ion Ratio Lower Upper
154 100
153 433.8 350.8 526.2
152 269.8 171.1 256.7#



#17
Fluorene
Concen: 0.12 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092553.D
Acq: 17 Nov 2016 3:09

Tgt Ion:166 Resp: 900
Ion Ratio Lower Upper
166 100
165 103.1 78.2 117.4
167 27.7 11.0 16.4#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

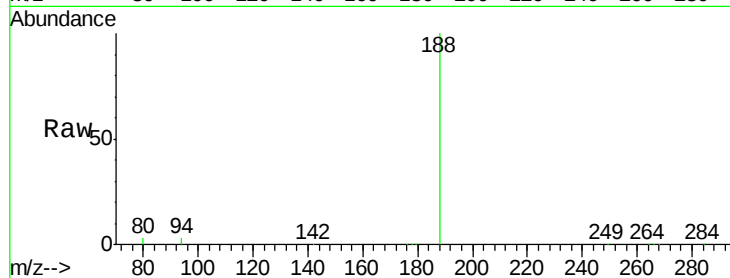
Tot Ion:188 Resp: 53634

Ion Ratio Lower Upper

188 100

94 3.2 3.2 4.8

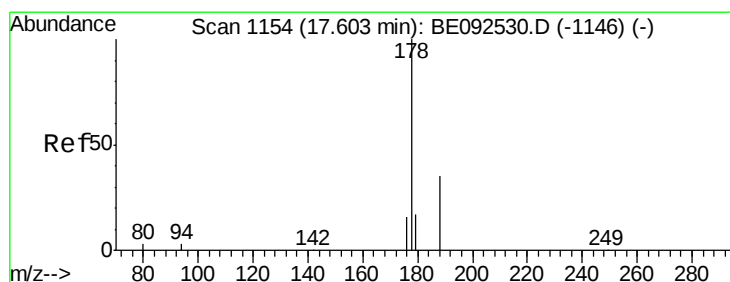
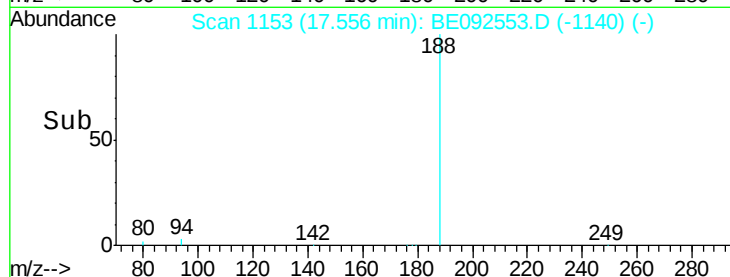
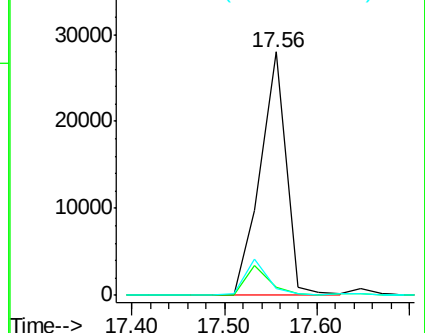
80 2.6 2.6 3.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Phenanthrene

Concen: 0.07 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

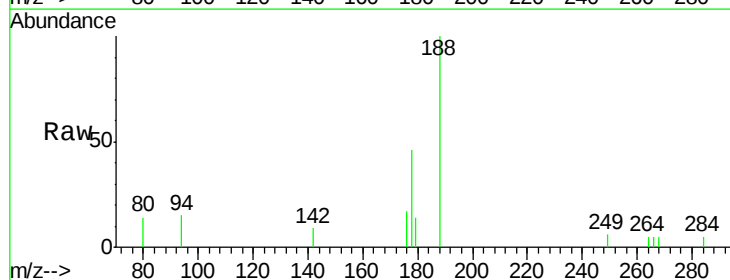
Tgt Ion:178 Resp: 843

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

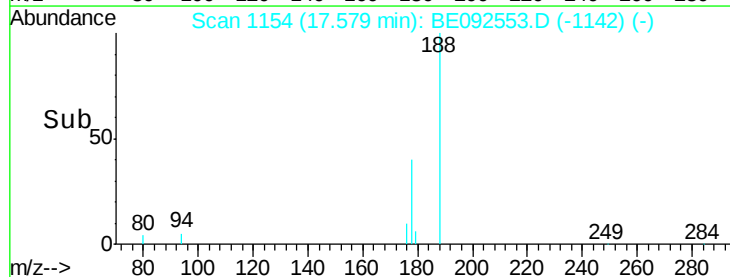
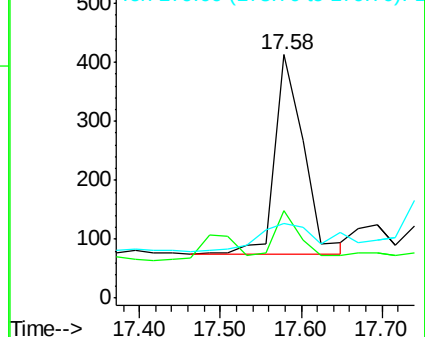
179 33.9 16.0 24.0#

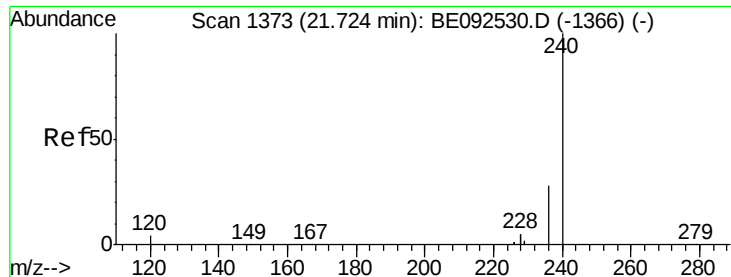


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

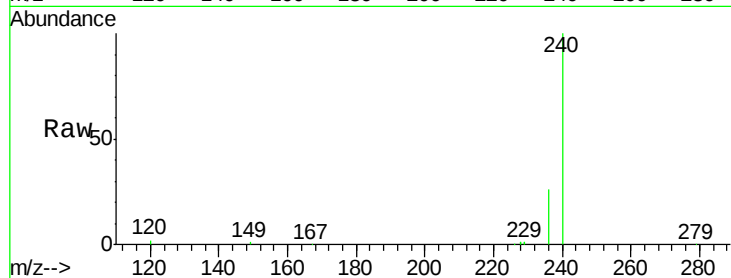
Tot Ion:240 Resp: 83690

Ion Ratio Lower Upper

240 100

120 1.5 2.6 4.0#

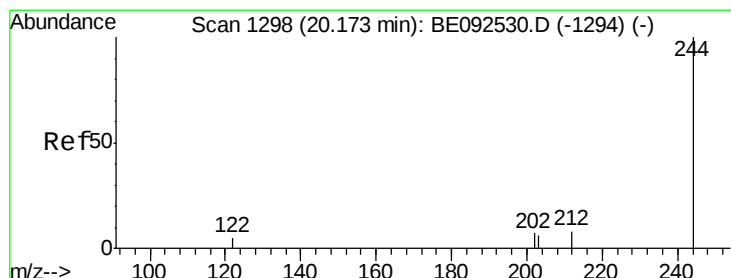
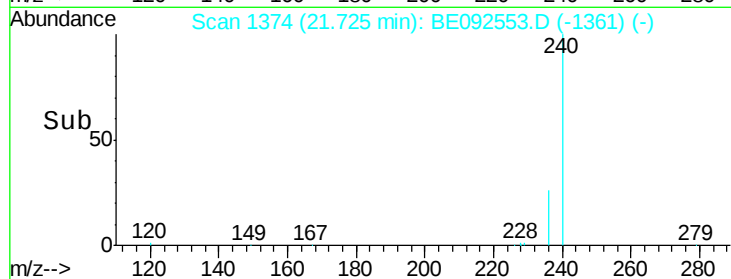
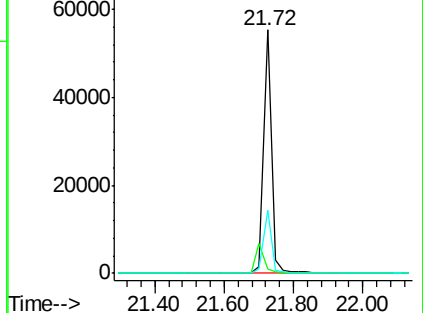
236 26.0 24.6 37.0



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



#26

Terphenyl-d14

Concen: 5.83 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

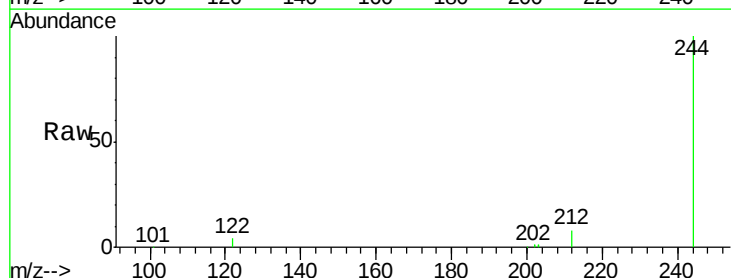
Tgt Ion:244 Resp: 55755

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

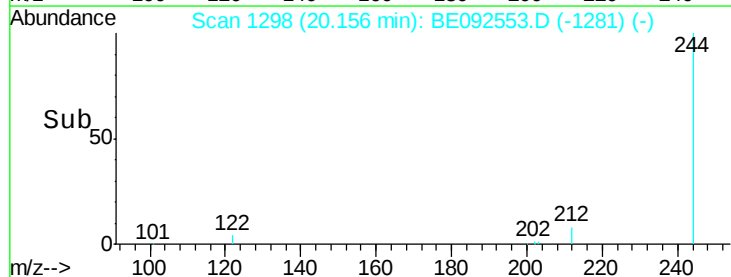
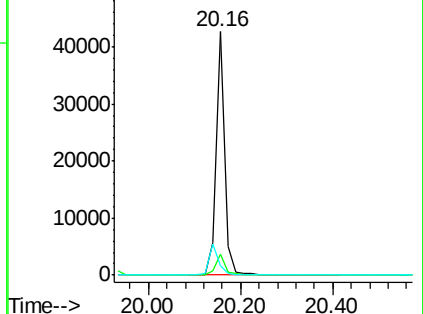
122 3.8 3.6 5.4

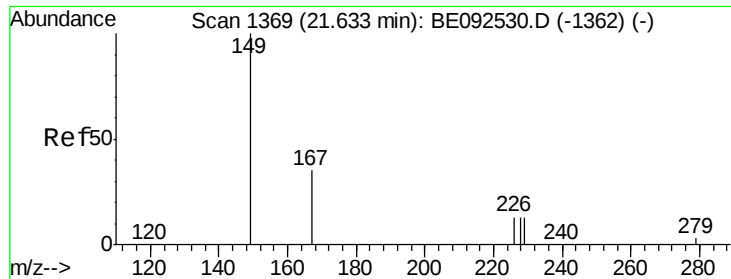


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

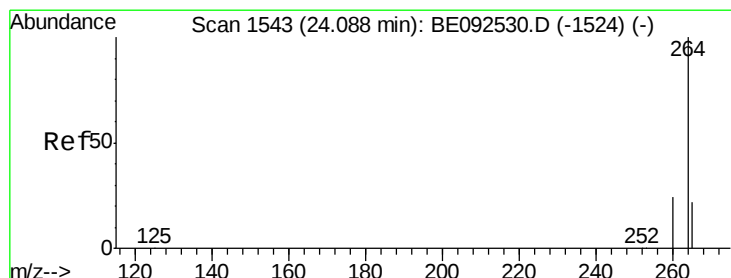
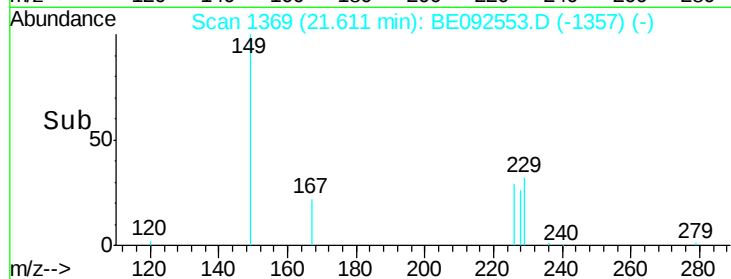
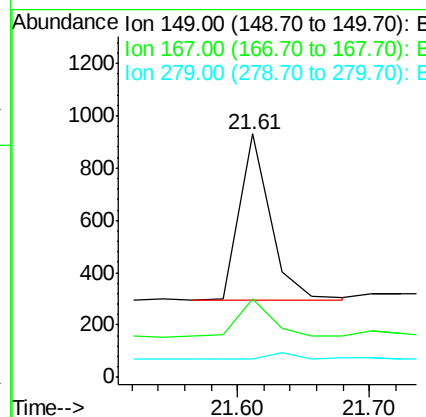
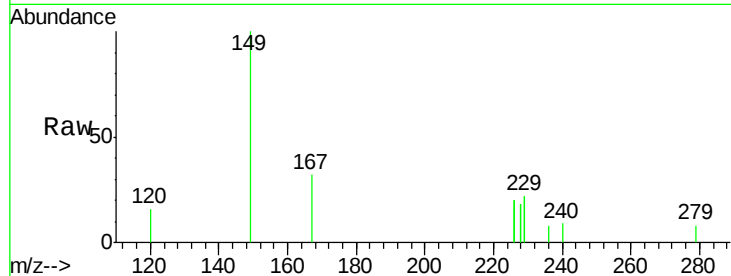




#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.31 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111016

Tot Ion:149 Resp: 1051
 Ion Ratio Lower Upper
 149 100
 167 25.6 16.0 24.0#
 279 0.0 16.0 24.0#



#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.08 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

Tgt Ion:264 Resp: 73721
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.1 30.1
 265 22.2 17.9 26.9

