

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111616\
 Data File : BE092548.D
 Acq On : 17 Nov 2016 00:04
 Operator : UM/SJ
 Sample : H5636-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19023041

Quant Time: Nov 17 05:08:34 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	7930	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	40604	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	31631	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	58756	5.00	ng	0.00
24) Chrysene-d12	21.72	240	88105	5.00	ng	0.00
31) Perylene-d12	24.08	264	72424	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	8948	6.68	ng	-0.02
5) Phenol-d6	7.31	99	7522	3.43	ng	-0.05
8) Nitrobenzene-d5	9.32	82	14766	5.59	ng	-0.05
13) 2,4,6-Tribromophenol	16.28	330	11863	16.72	ng	-0.02
14) 2-Fluorobiphenyl	13.41	172	39336	5.10	ng	-0.02
26) Terphenyl-d14	20.16	244	65468	6.50	ng	-0.02

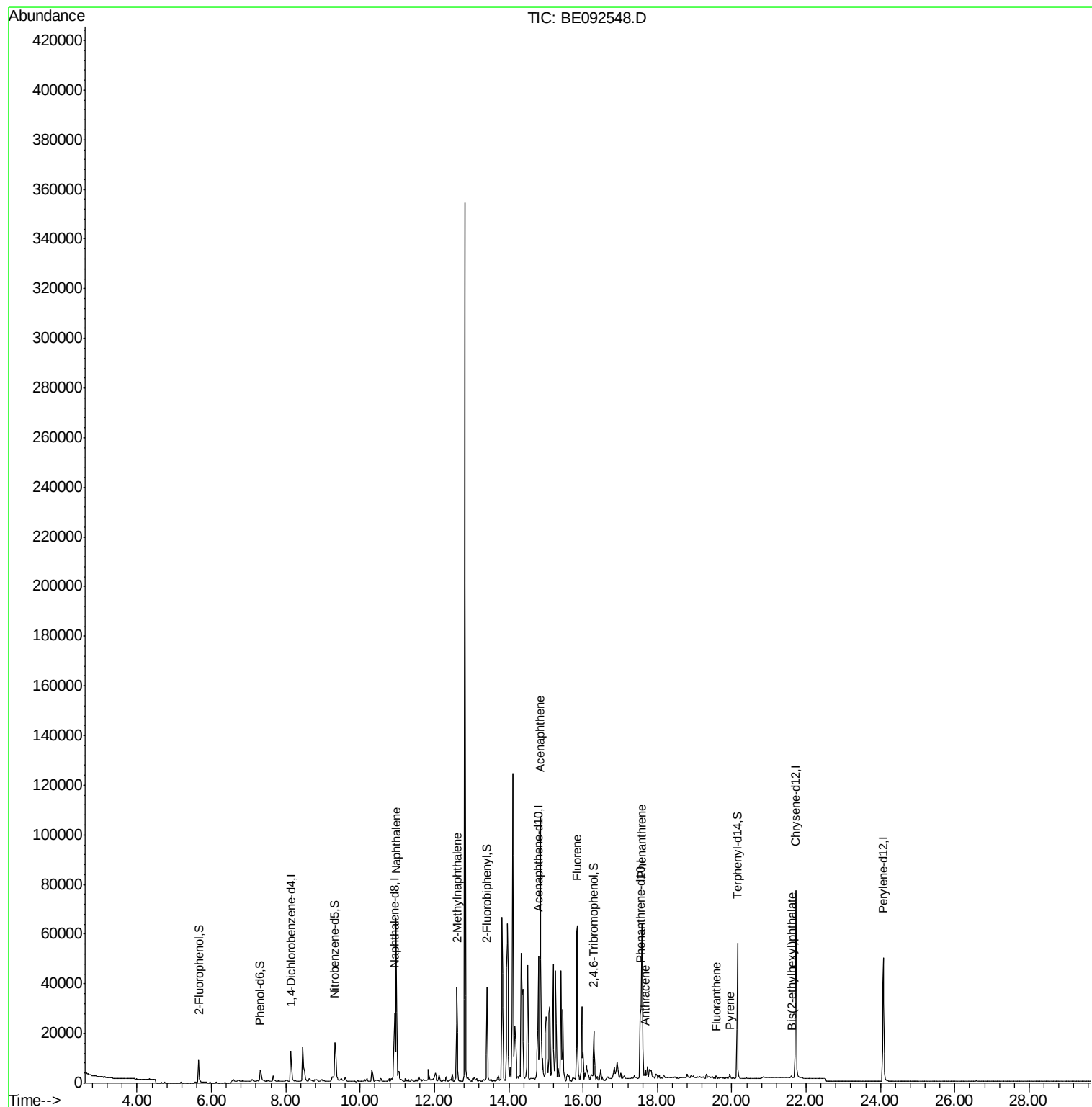
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.97	128	105015	12.53	ng	97
11) 2-Methylnaphthalene	12.60	142	28628	5.36	ng	94
16) Acenaphthene	14.85	154	21877	3.04	ng	# 68
17) Fluorene	15.84	166	49008	5.50	ng	# 96
21) Phenanthrene	17.58	178	77642	5.91	ng	98
22) Anthracene	17.67	178	3691	0.30	ng	# 77
23) Fluoranthene	19.58	202	1382	0.02	ng	# 76
25) Pyrene	19.95	202	2664	0.04	ng	# 60
29) Bis(2-ethylhexyl)phthalate	21.61	149	1352	0.35	ng	# 56

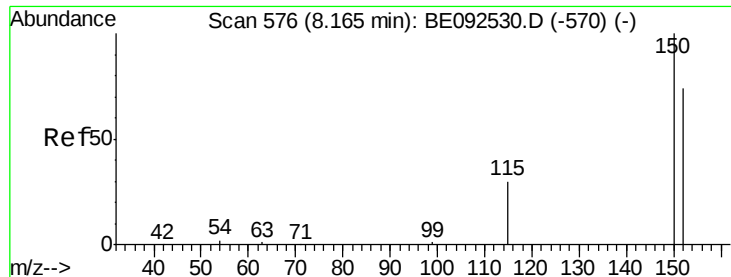
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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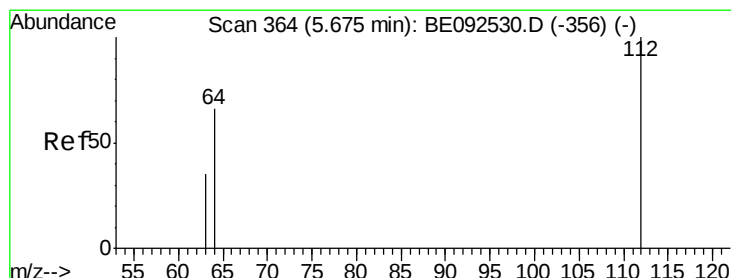
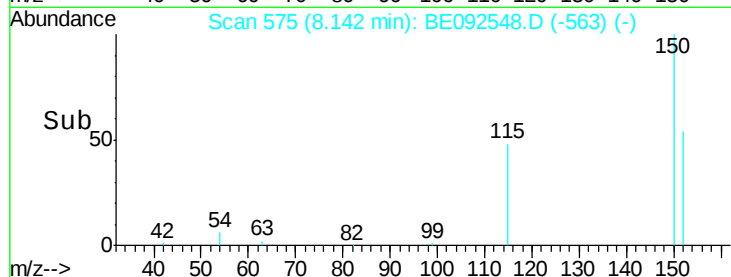
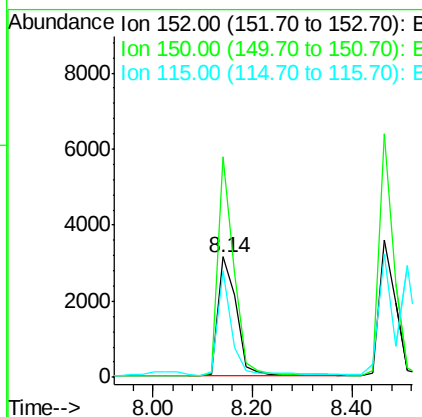
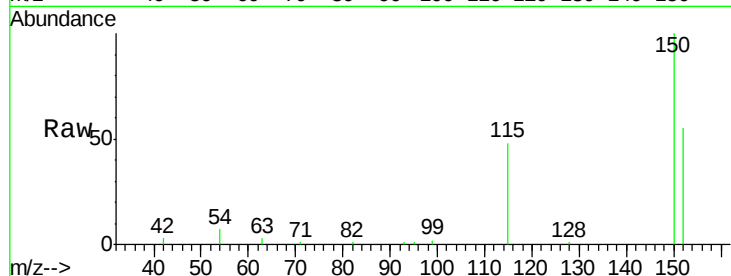




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.14 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: BE092548.D
 Acq: 17 Nov 2016 00:04

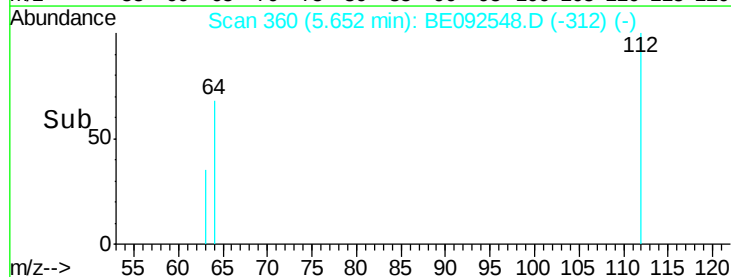
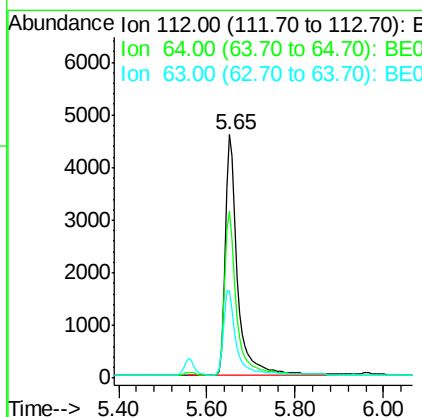
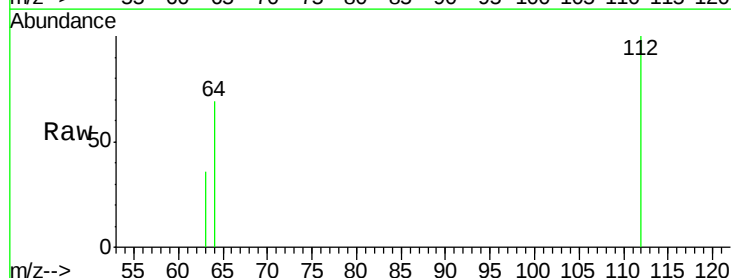
Instrument :
 BNA_E
 ClientSampleId :
 C19023041

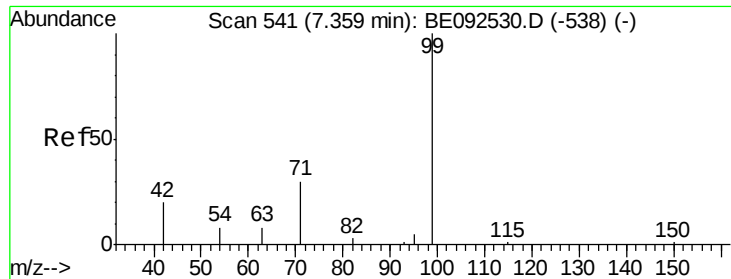
Tot Ion:152 Resp: 7930
 Ion Ratio Lower Upper
 152 100
 150 182.9 106.0 159.0#
 115 88.4 31.2 46.8#



#4
 2-Fluorophenol
 Concen: 6.68 ng
 RT: 5.65 min Scan# 360
 Delta R.T. -0.02 min
 Lab File: BE092548.D
 Acq: 17 Nov 2016 00:04

Tgt Ion:112 Resp: 8948
 Ion Ratio Lower Upper
 112 100
 64 68.1 53.5 80.3
 63 35.9 27.9 41.9





#5

Phenol-d6

Concen: 3.43 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.05 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

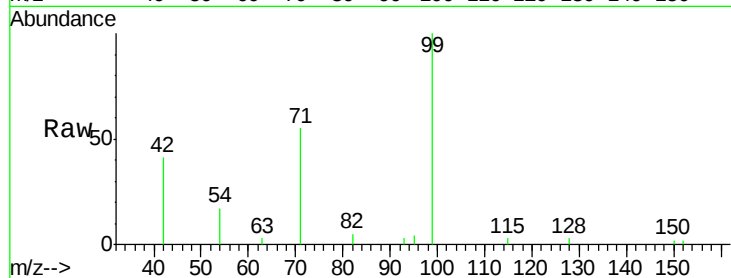
Tot Ion: 99 Resp: 7522

Ion Ratio Lower Upper

99 100

42 22.5 16.0 24.0

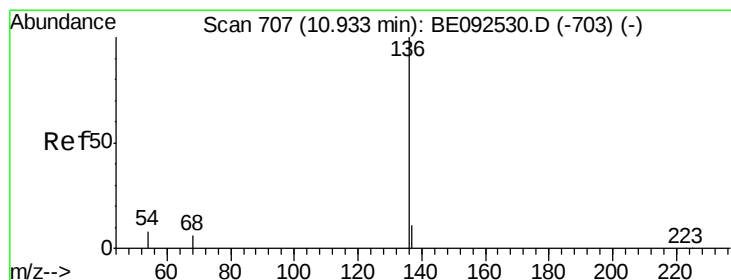
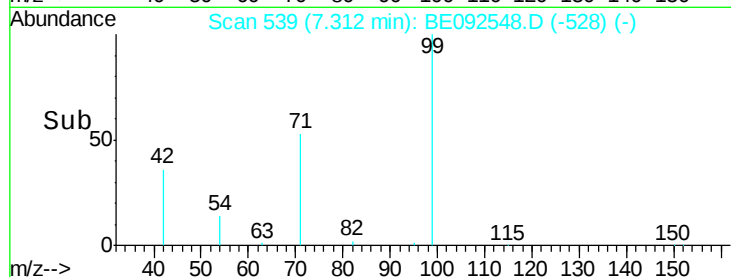
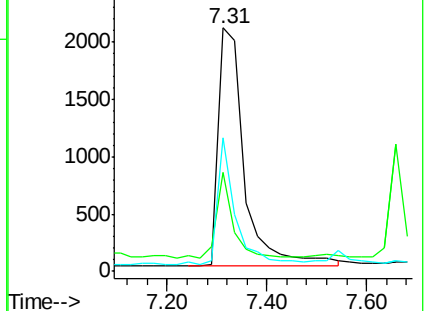
71 36.0 30.6 45.8



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Tgt Ion: 136 Resp: 40604

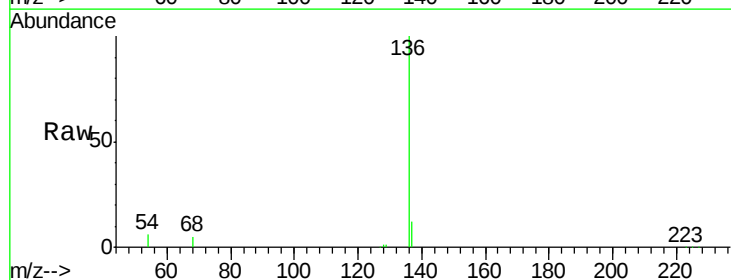
Ion Ratio Lower Upper

136 100

137 11.5 8.2 12.4

54 5.8 9.6 14.4#

68 4.7 6.7 10.1#

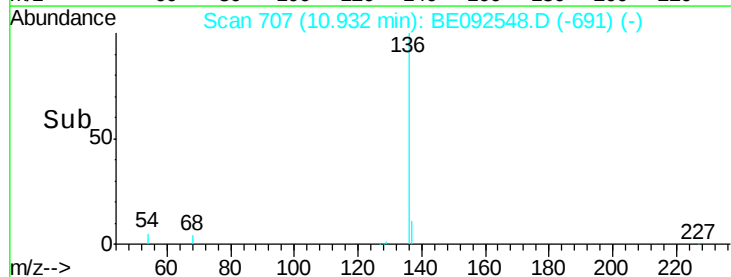
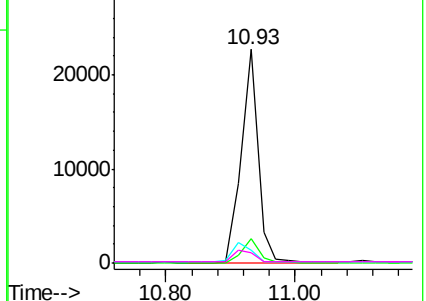


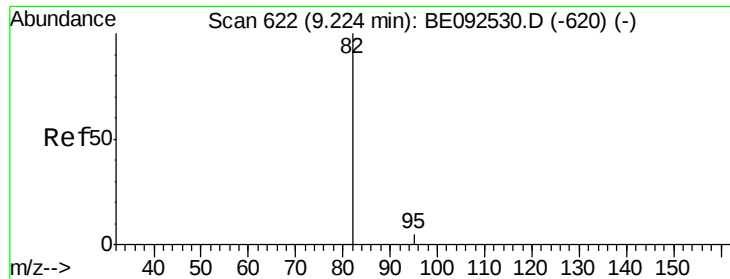
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.59 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

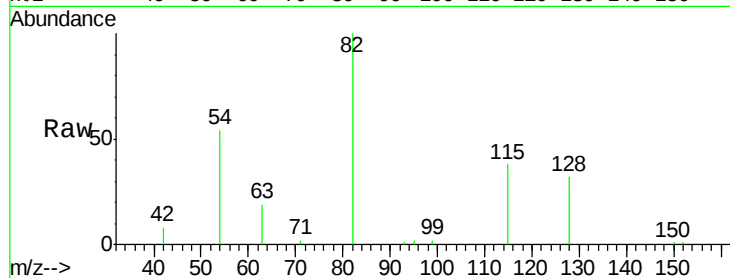
Tot Ion: 82 Resp: 14766

Ion Ratio Lower Upper

82 100

128 31.8 39.0 58.4#

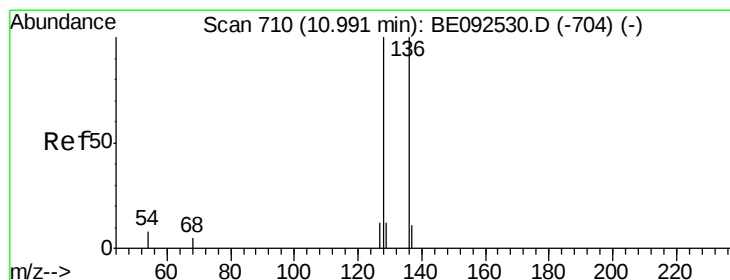
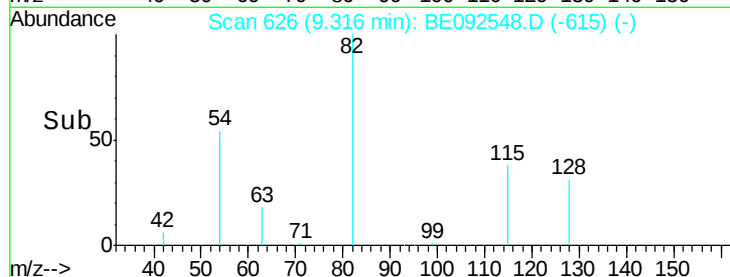
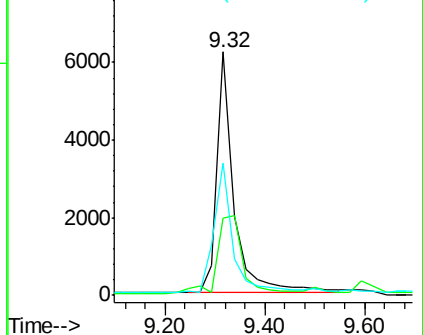
54 54.2 44.8 67.2



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: 12.53 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

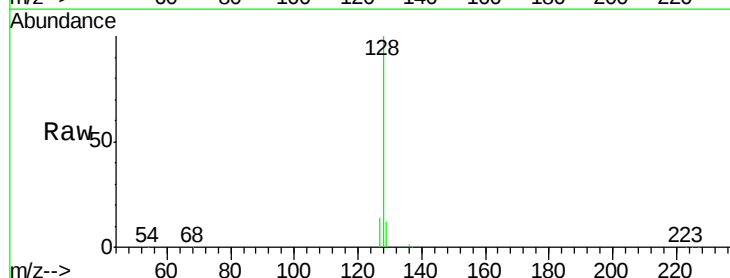
Tgt Ion: 128 Resp: 105015

Ion Ratio Lower Upper

128 100

129 12.3 11.2 16.8

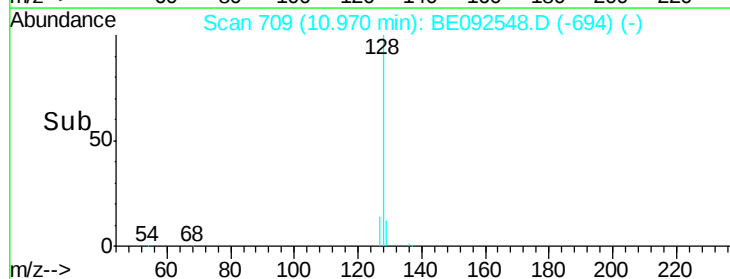
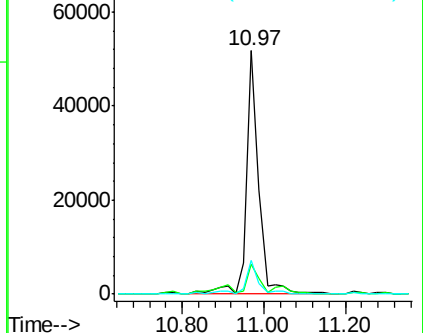
127 14.0 11.6 17.4

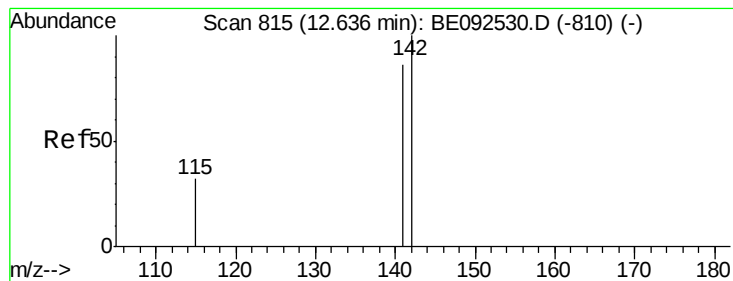


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene

Concen: 5.36 ng

RT: 12.60 min Scan# 812

Delta R.T. -0.04 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

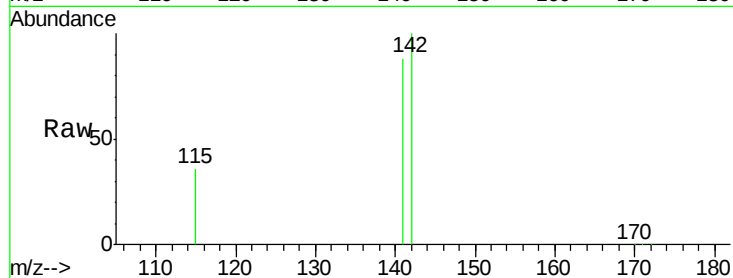
Tot Ion:142 Resp: 28628

Ion Ratio Lower Upper

142 100

141 87.7 73.7 110.5

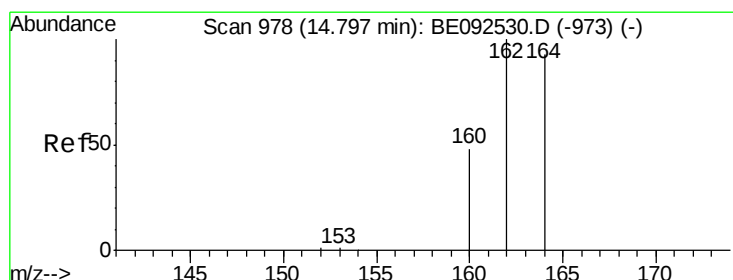
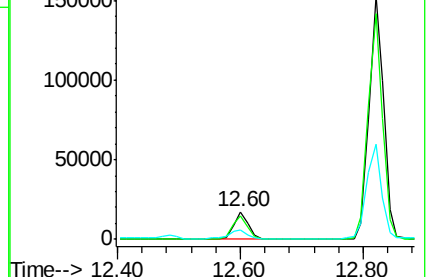
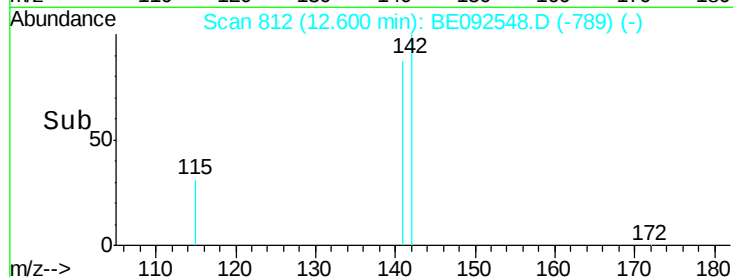
115 36.1 34.0 51.0



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: BE092548.D

Acq: 17 Nov 2016 00:04

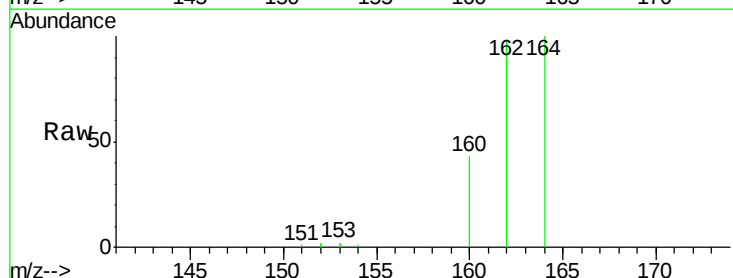
Tgt Ion:164 Resp: 31631

Ion Ratio Lower Upper

164 100

162 97.6 71.4 107.0

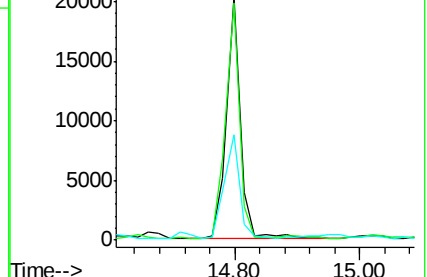
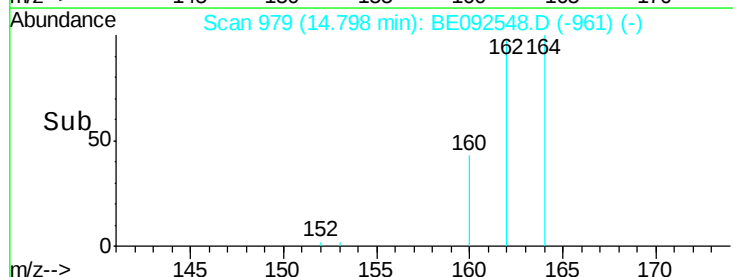
160 43.0 27.4 41.2#

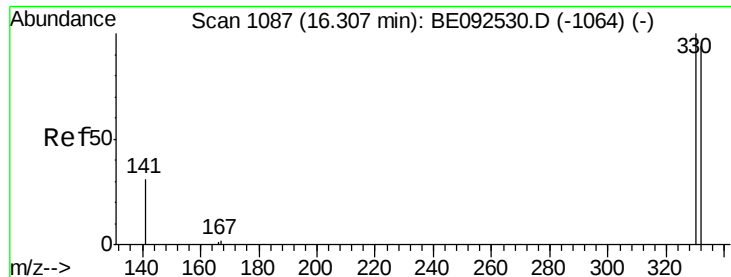


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

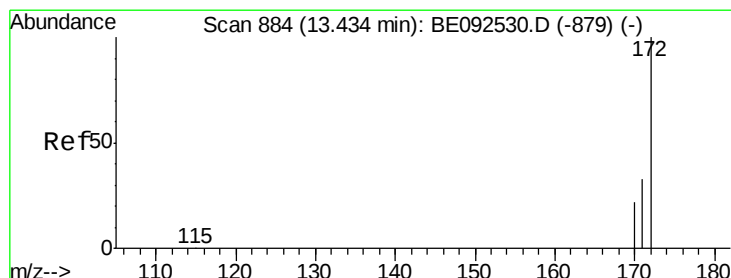
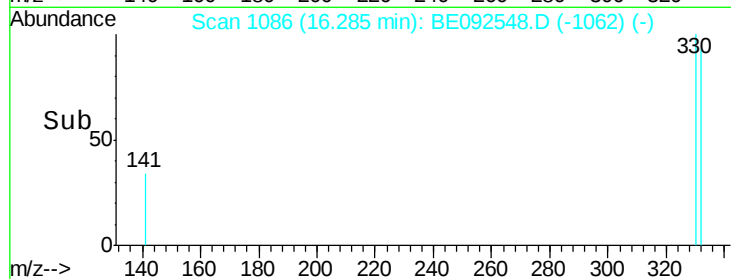
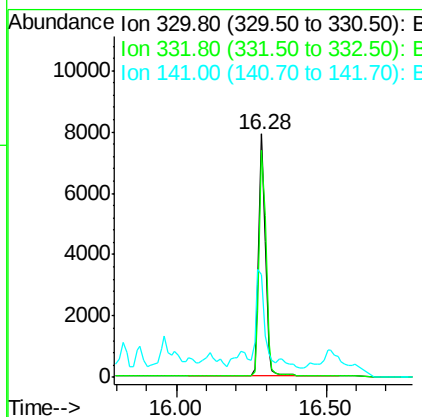
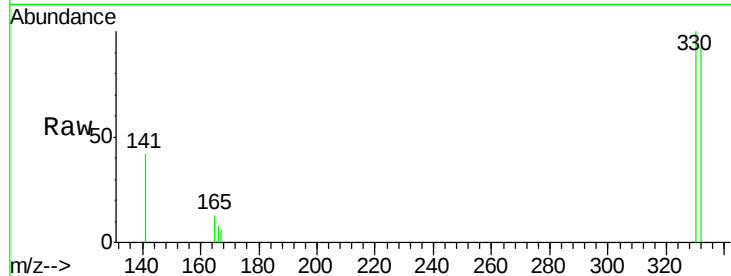




#13
 2,4,6-Tribromophenol
 Concen: 16.72 ng
 RT: 16.28 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BE092548.D
 Acq: 17 Nov 2016 00:04

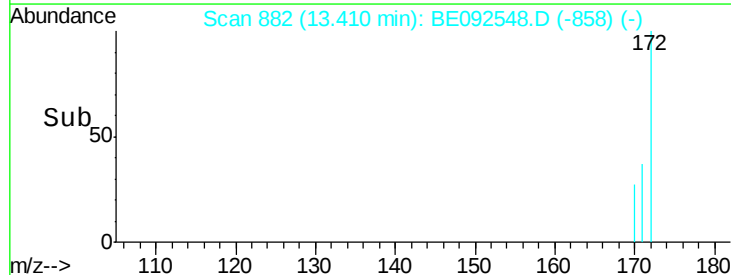
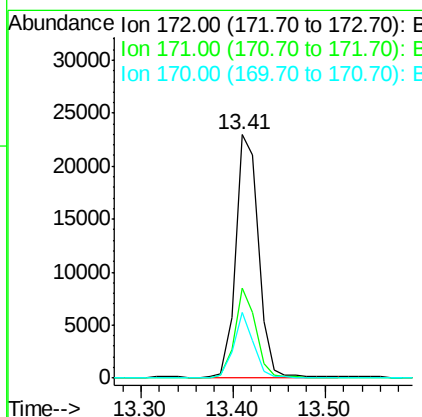
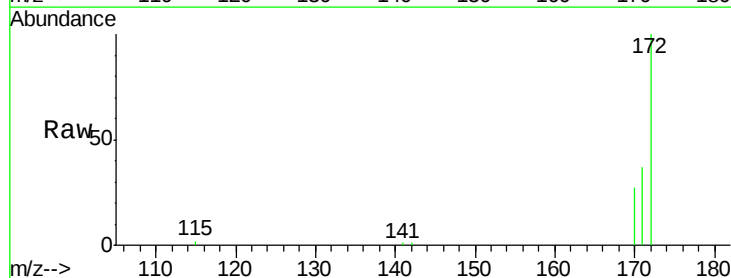
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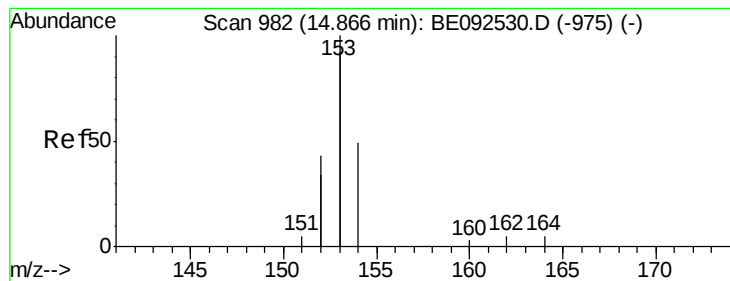
Tot Ion:330 Resp: 11863
 Ion Ratio Lower Upper
 330 100
 332 97.6 75.4 113.0
 141 45.0 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.10 ng
 RT: 13.41 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BE092548.D
 Acq: 17 Nov 2016 00:04

Tgt Ion:172 Resp: 39336
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.1 45.1
 170 27.0 21.8 32.6





#16

Acenaphthene

Concen: 3.04 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.02 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

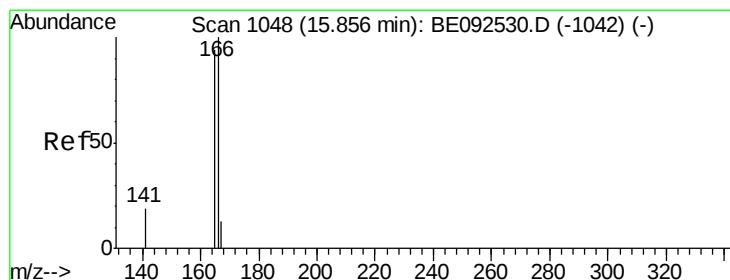
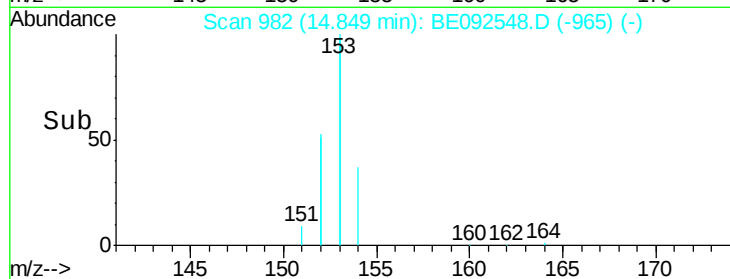
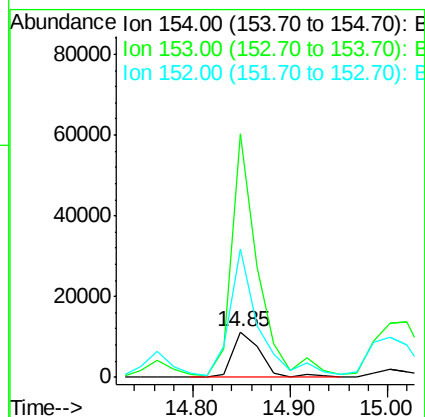
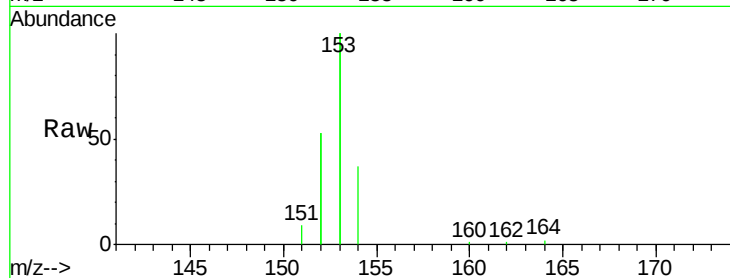
Tot Ion:154 Resp: 21877

Ion Ratio Lower Upper

154 100

153 503.5 350.8 526.2

152 284.8 171.1 256.7#



#17

Fluorene

Concen: 5.50 ng

RT: 15.84 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

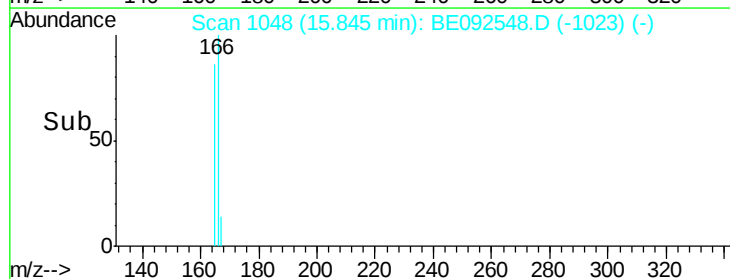
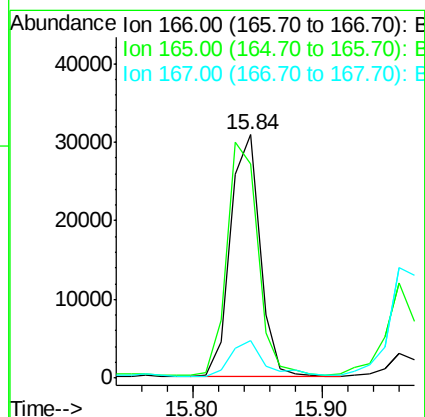
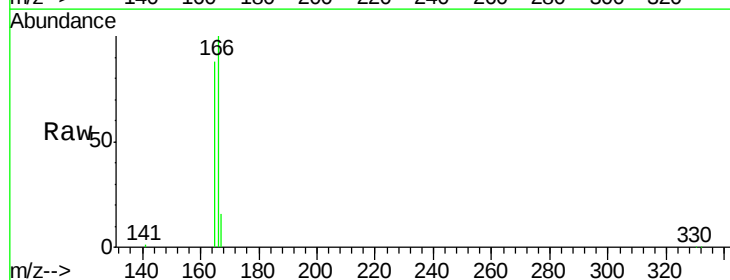
Tgt Ion:166 Resp: 49008

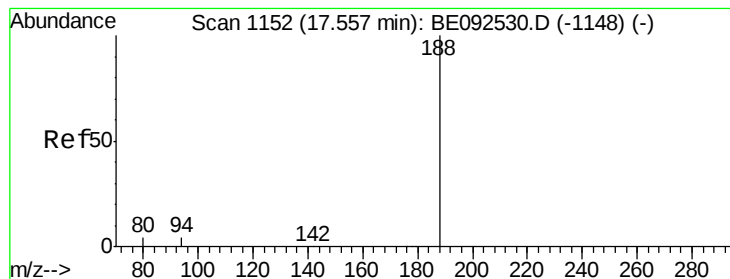
Ion Ratio Lower Upper

166 100

165 101.0 78.2 117.4

167 18.5 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: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

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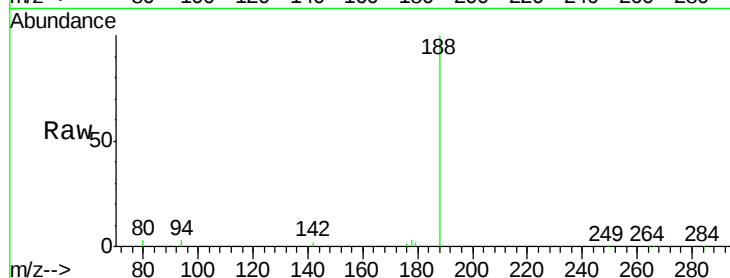
Tot Ion:188 Resp: 58756

Ion Ratio Lower Upper

188 100

94 3.4 3.2 4.8

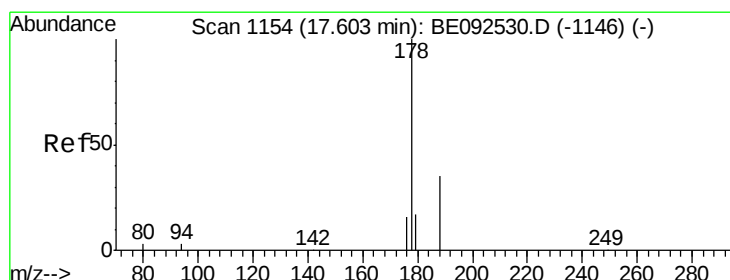
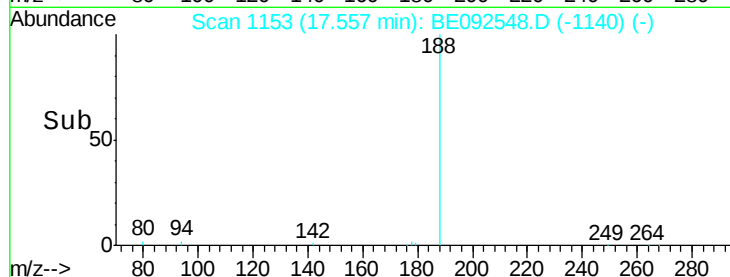
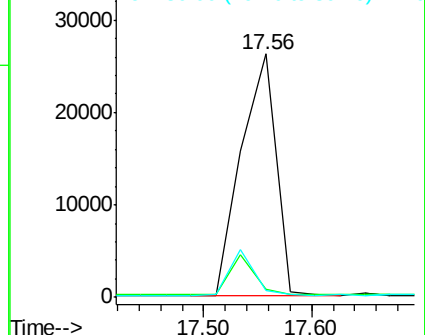
80 2.8 2.6 3.8



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: 5.91 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

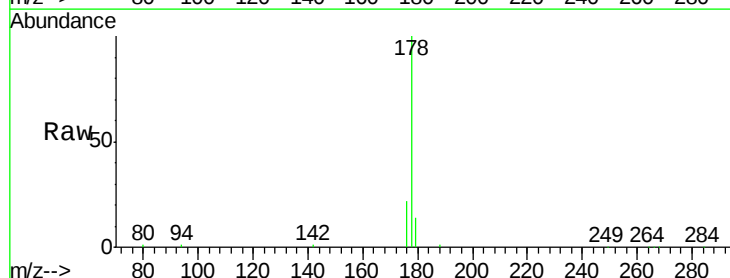
Tgt Ion:178 Resp: 77642

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

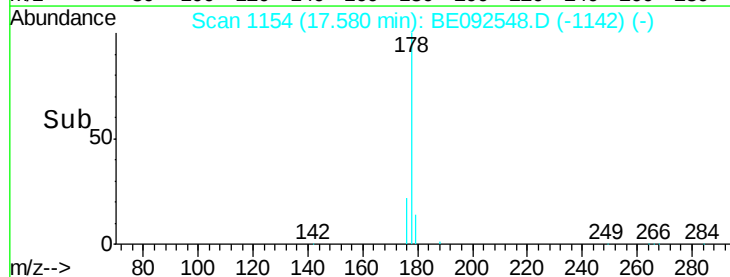
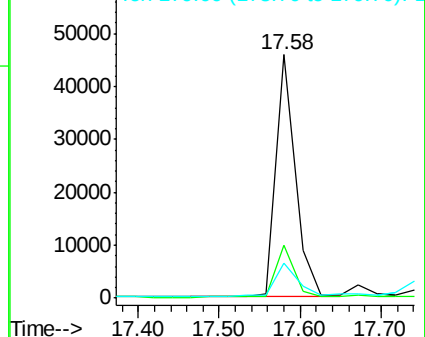
179 18.9 16.0 24.0

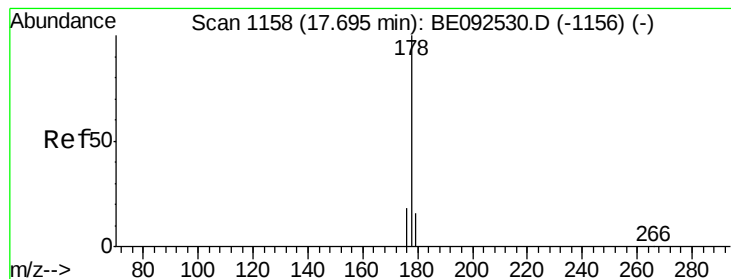


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 0.30 ng

RT: 17.67 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

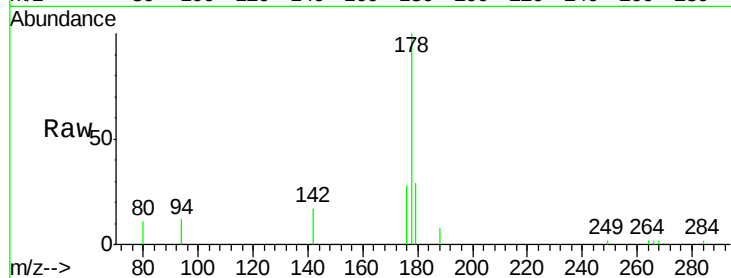
Tot Ion:178 Resp: 3691

Ion Ratio Lower Upper

178 100

176 24.5 15.0 22.4#

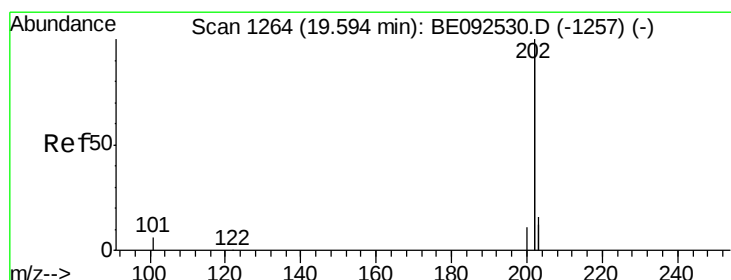
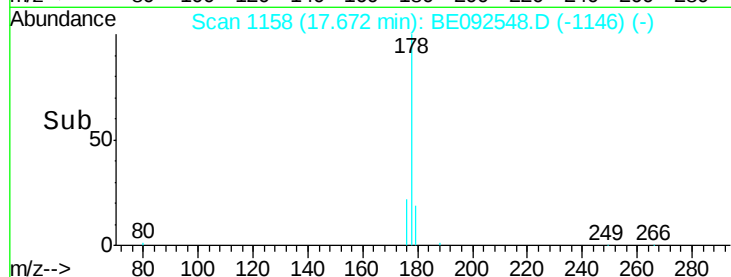
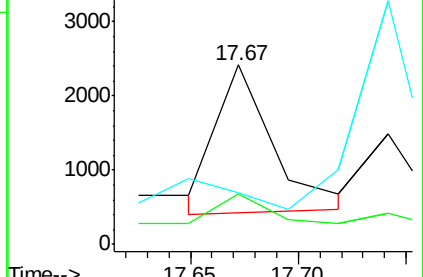
179 0.0 12.2 18.2#



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



#23

Fluoranthene

Concen: 0.02 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

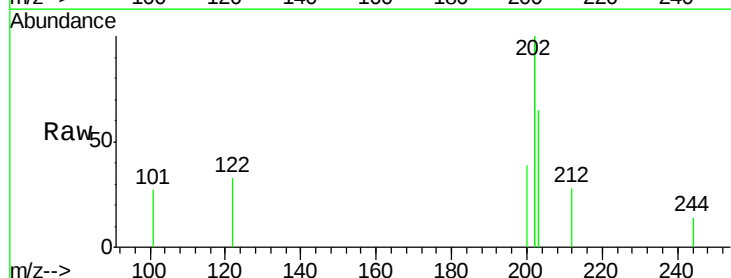
Tgt Ion:202 Resp: 1382

Ion Ratio Lower Upper

202 100

101 6.3 2.2 3.4#

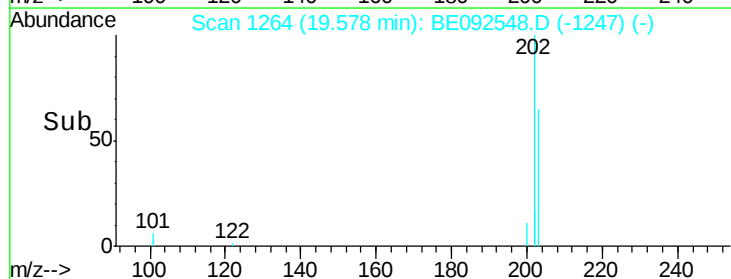
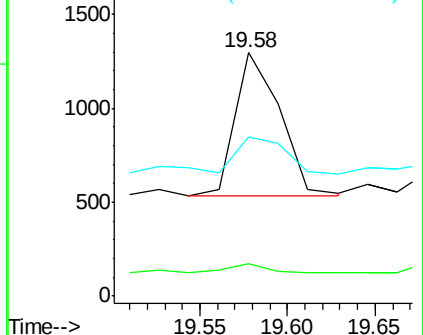
203 28.4 13.7 20.5#

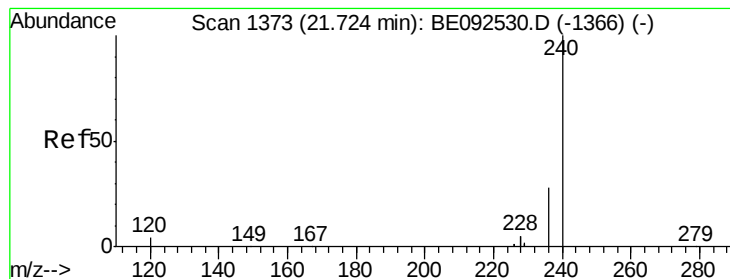


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

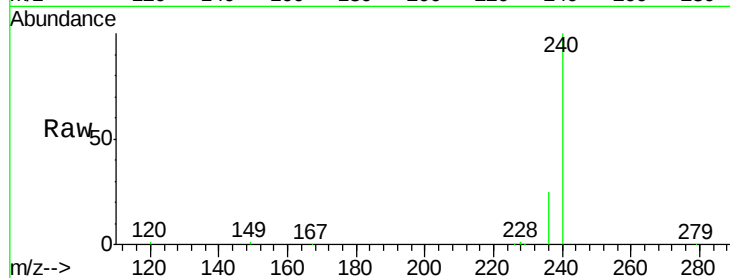
Tot Ion:240 Resp: 88105

Ion Ratio Lower Upper

240 100

120 1.4 2.6 4.0#

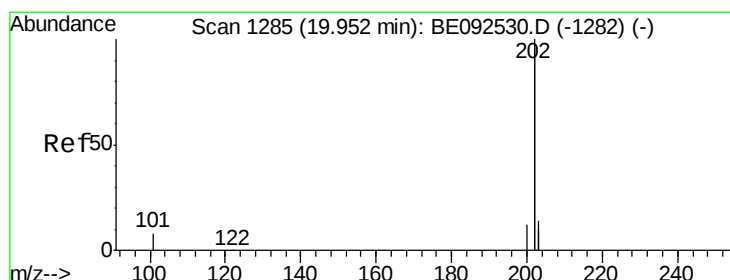
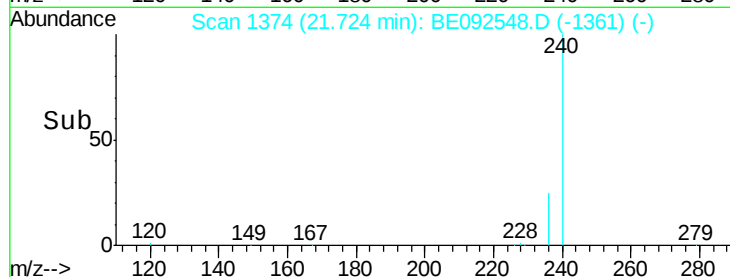
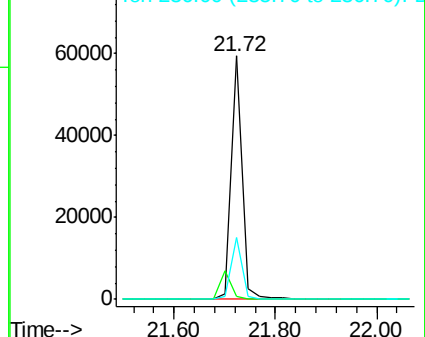
236 25.4 24.6 37.0



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: 0.04 ng

RT: 19.95 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

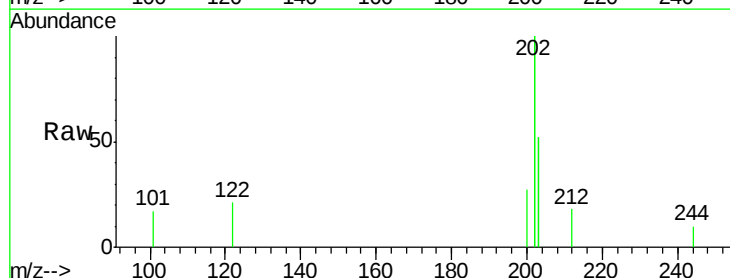
Tgt Ion:202 Resp: 2664

Ion Ratio Lower Upper

202 100

200 9.6 4.2 6.4#

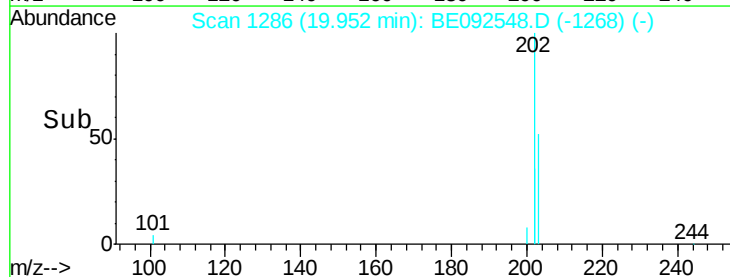
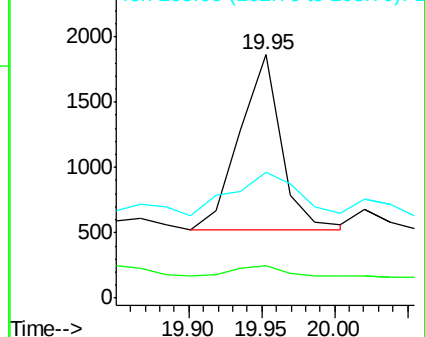
203 38.2 13.9 20.9#

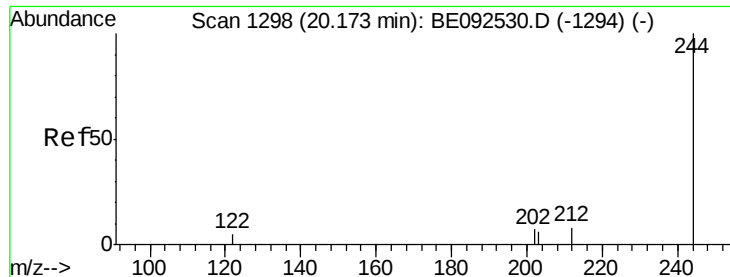


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#26

Terphenyl-d14

Concen: 6.50 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

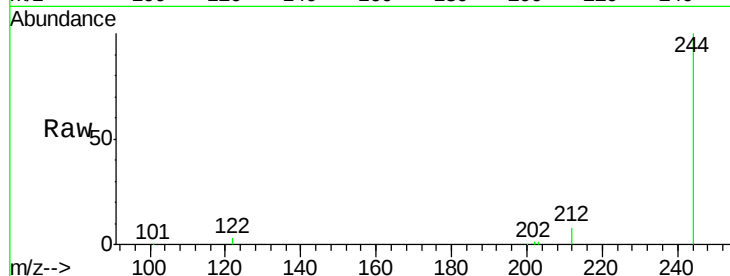
Tot Ion:244 Resp: 65468

Ion Ratio Lower Upper

244 100

212 8.0 6.7 10.1

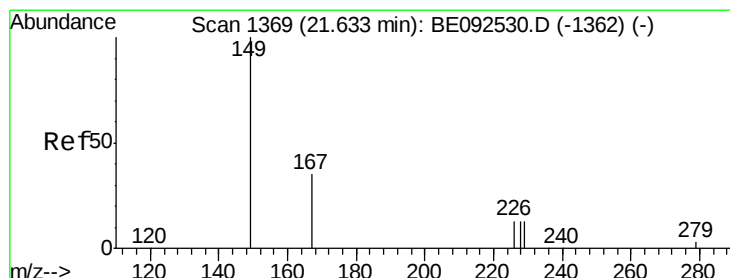
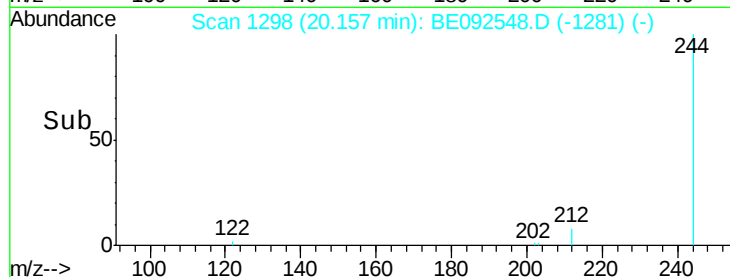
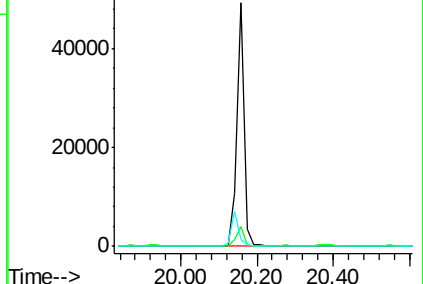
122 2.7 3.6 5.4#



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: 0.35 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

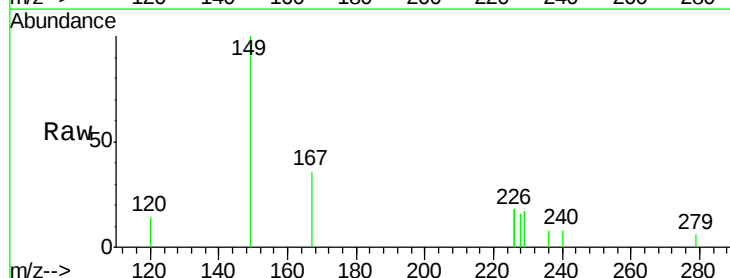
Tgt Ion:149 Resp: 1352

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

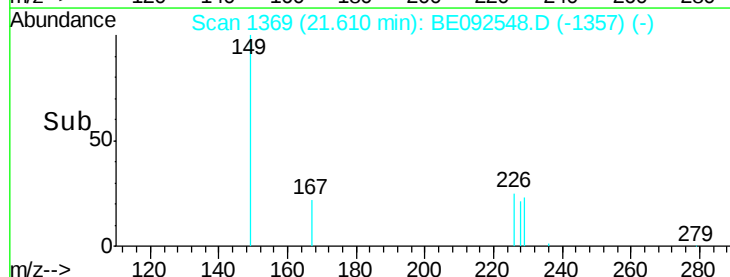
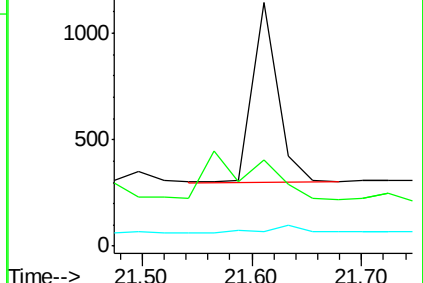
279 0.0 16.0 24.0#

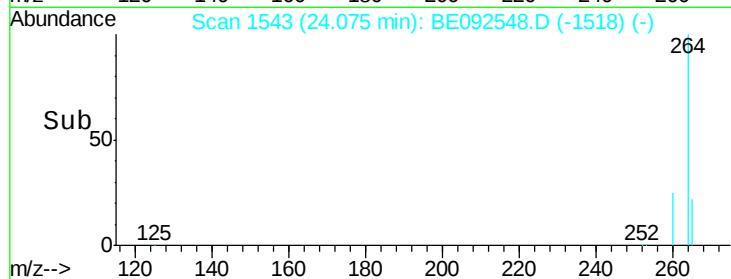
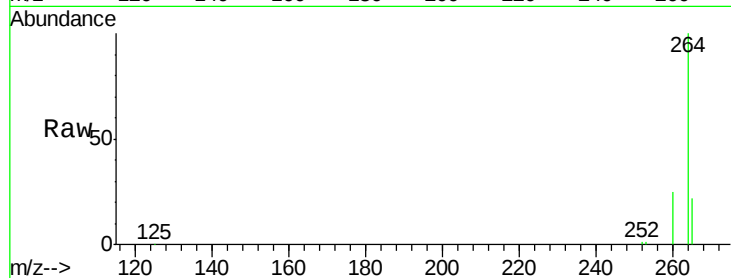
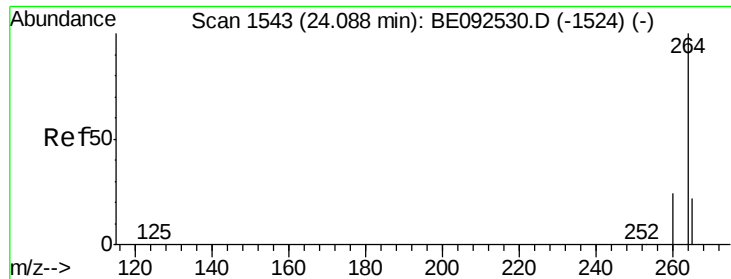


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Pervlene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092548.D

Acq: 17 Nov 2016 00:04

Instrument :

BNA_E

ClientSampleId :

C19023041

Tot Ion:264 Resp: 72424

Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 22.4 17.9 26.9

