

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
 Data File : BE092679.D
 Acq On : 24 Jan 2017 23:33
 Operator : UM/SJ
 Sample : I1378-09 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 25 11:09:49 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	11153	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	55735	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	37712	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	78429	5.00	ng	0.00
24) Chrysene-d12	21.72	240	82443	5.00	ng	0.00
31) Perylene-d12	24.07	264	81037	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	1963	0.79	ng	0.00
5) Phenol-d6	7.34	99	2438	0.80	ng	0.00
8) Nitrobenzene-d5	9.36	82	940	0.26	ng	0.02
13) 2,4,6-Tribromophenol	16.31	330	592	0.65	ng	0.01
14) 2-Fluorobiphenyl	13.42	172	3402	0.37	ng	0.00
26) Terphenyl-d14	20.16	244	4644	0.40	ng	0.00

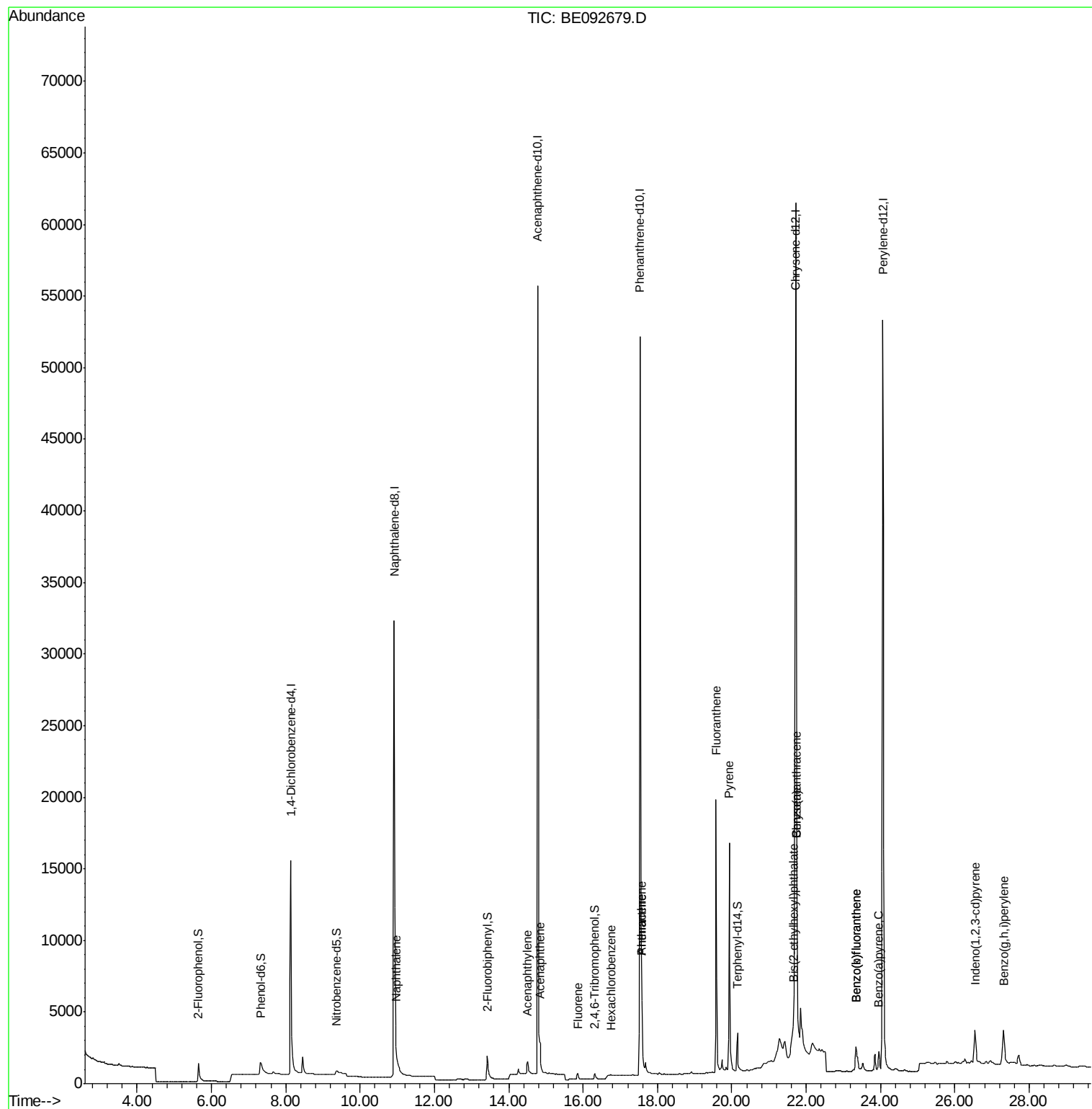
Target Compounds						Qvalue
9) Naphthalene	10.97	128	587	0.05	ng	# 62
15) Acenaphthylene	14.51	152	2478	0.05	ng	99
16) Acenaphthene	14.85	154	411	0.05	ng	# 83
17) Fluorene	15.86	166	592	0.06	ng	98
19) Hexachlorobenzene	16.75	284	480	0.10	ng	# 39
21) Phenanthrene	17.58	178	4705	0.27	ng	96
22) Anthracene	17.58	178	4705	0.29	ng	98
23) Fluoranthene	19.58	202	25376	0.33	ng	99
25) Pyrene	19.93	202	22394	0.28	ng	# 90
27) Benzo(a)anthracene	21.75	228	22381	0.28	ng	# 89
28) Chrysene	21.75	228	22381	0.24	ng	# 79
29) Bis(2-ethylhexyl)phthalate	21.66	149	10328	0.82	ng	# 56
30) Indeno(1,2,3-cd)pyrene	26.55	276	6081	0.06	ng	95
32) Benzo(b)fluoranthene	23.35	252	4283	0.22	ng	# 64
33) Benzo(k)fluoranthene	23.35	252	4283	0.22	ng	# 68
34) Benzo(a)pyrene	23.95	252	2368	0.13	ng	# 69
36) Benzo(a,h,i)perylene	27.31	276	6845	0.09	ng	# 75

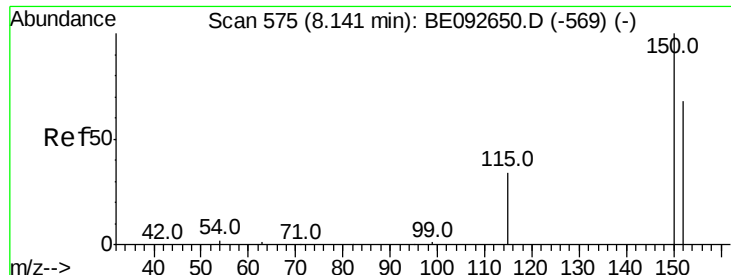
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

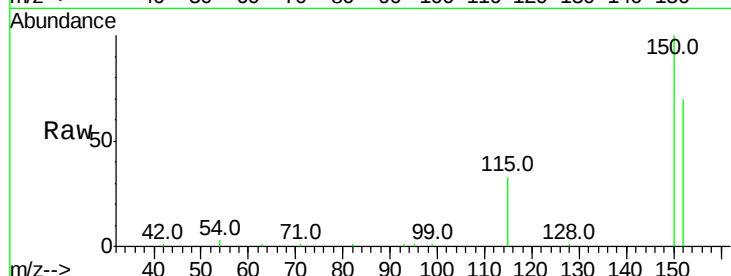
Tot Ion:152 Resp: 11153

Ion Ratio Lower Upper

152 100

150 143.7 106.0 159.0

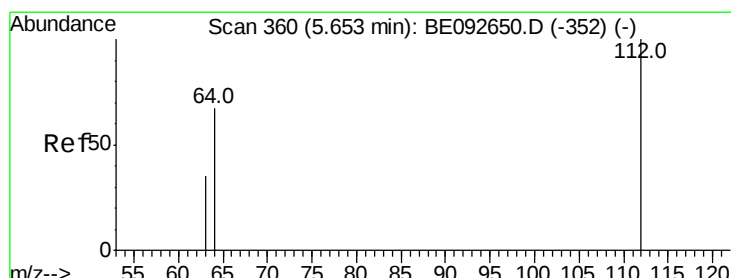
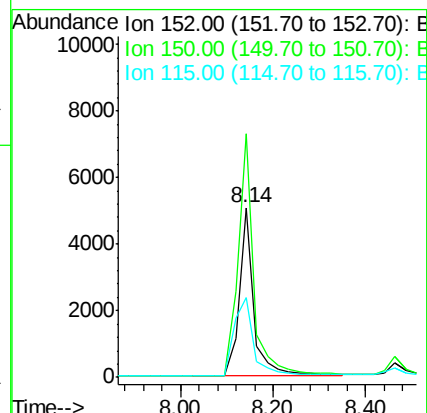
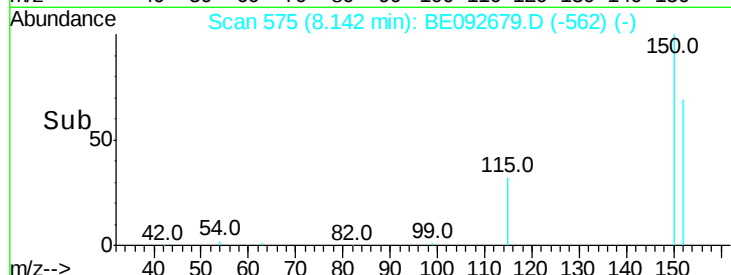
115 47.1 31.2 46.8#



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: 0.79 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

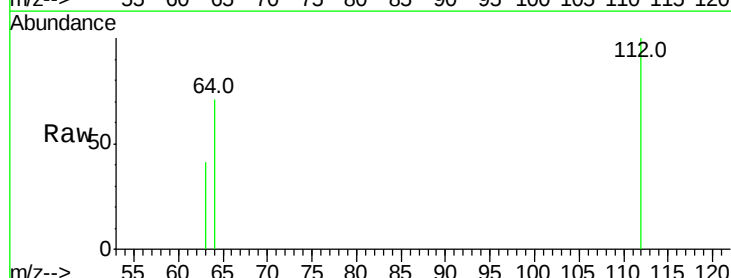
Tgt Ion:112 Resp: 1963

Ion Ratio Lower Upper

112 100

64 68.1 53.5 80.3

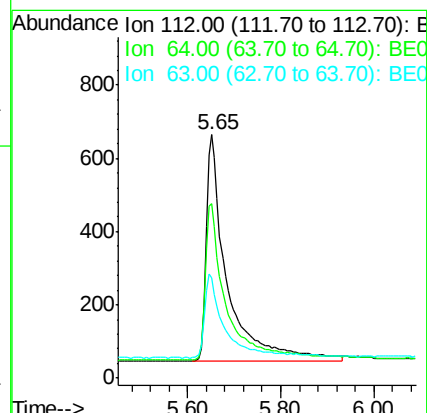
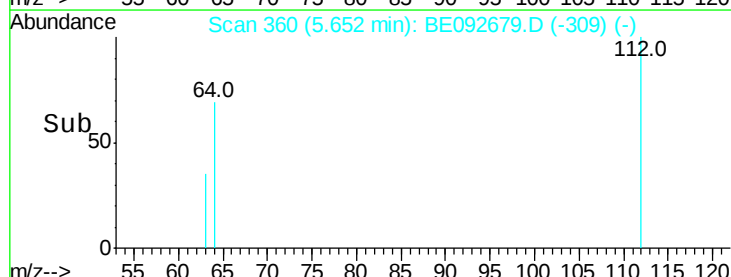
63 36.3 27.9 41.9

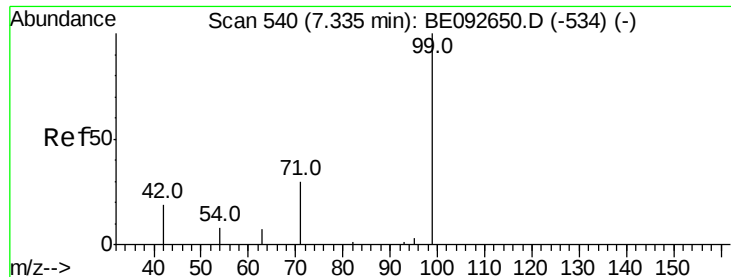


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.80 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

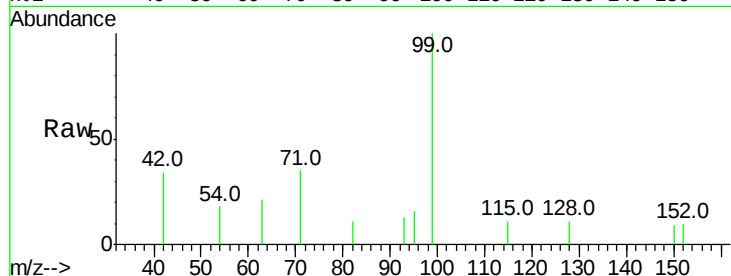
Tot Ion: 99 Resp: 2438

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

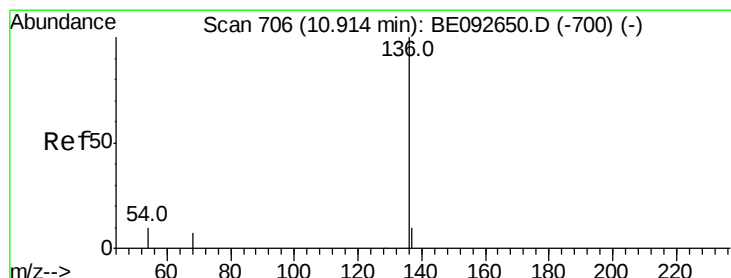
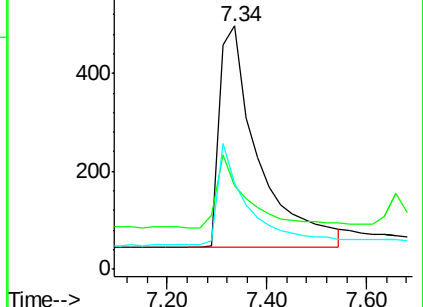
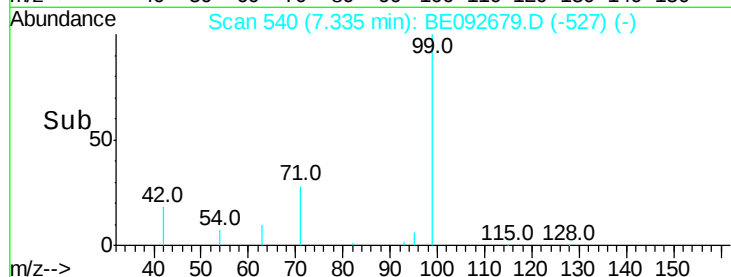
71 0.0 30.6 45.8#



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion: 136 Resp: 55735

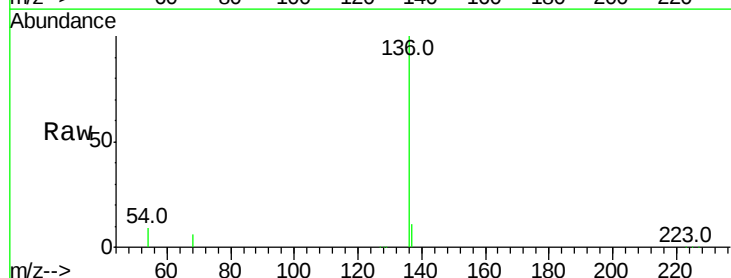
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 8.9 9.6 14.4#

68 6.4 6.7 10.1#

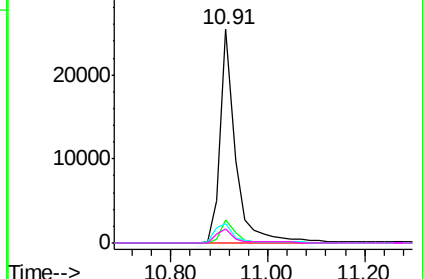
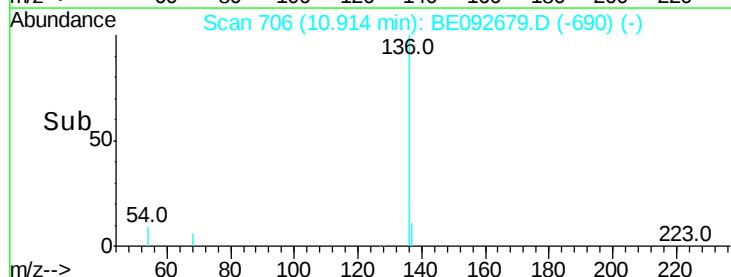


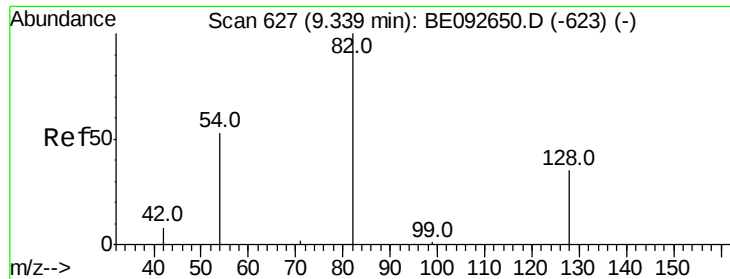
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.26 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.02 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

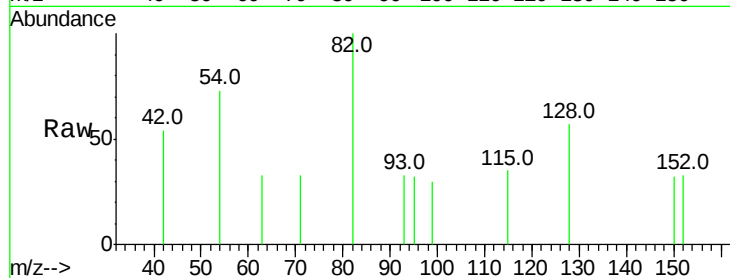
Tot Ion: 82 Resp: 940

Ion Ratio Lower Upper

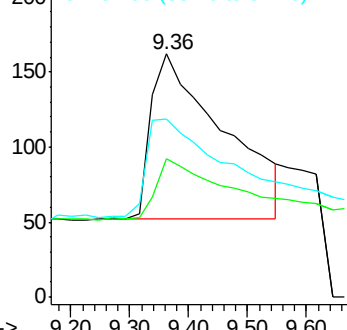
82 100

128 56.8 39.0 58.4

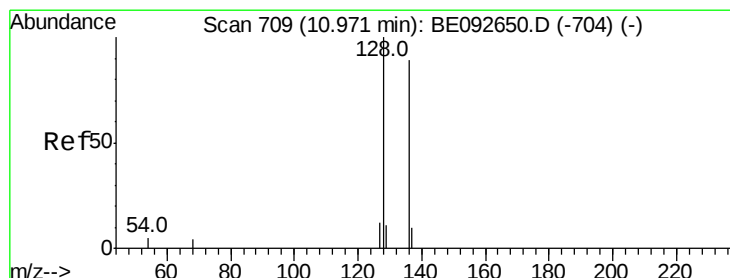
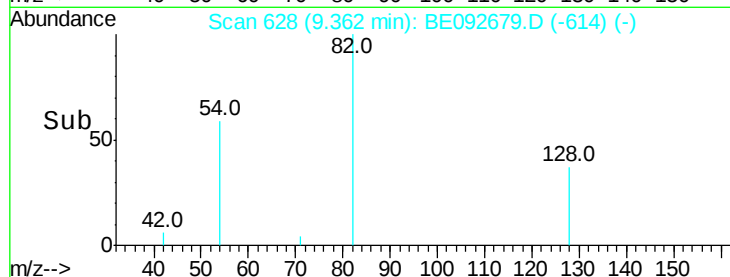
54 73.5 44.8 67.2#



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



Time-->



#9

Naphthalene

Concen: 0.05 ng

RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

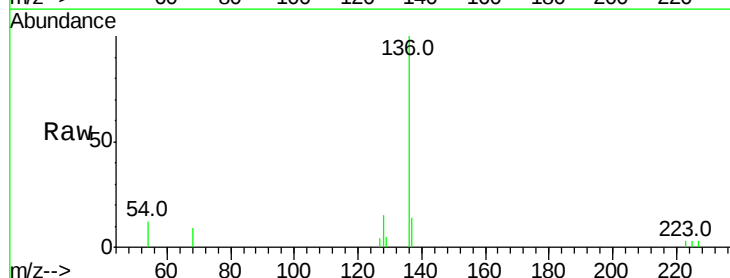
Tgt Ion: 128 Resp: 587

Ion Ratio Lower Upper

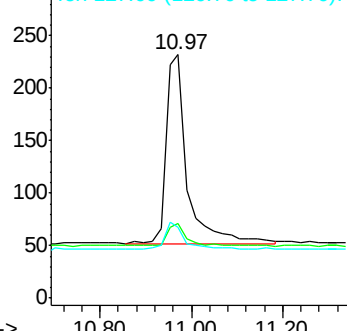
128 100

129 30.6 11.2 16.8#

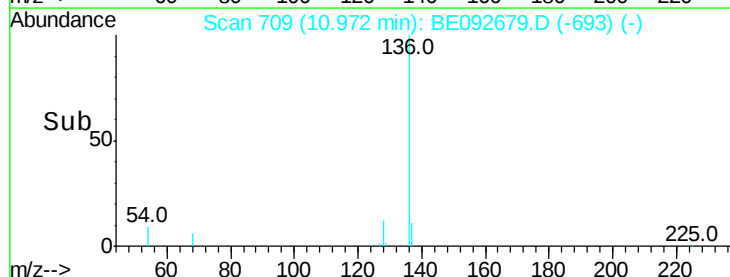
127 28.9 11.6 17.4#

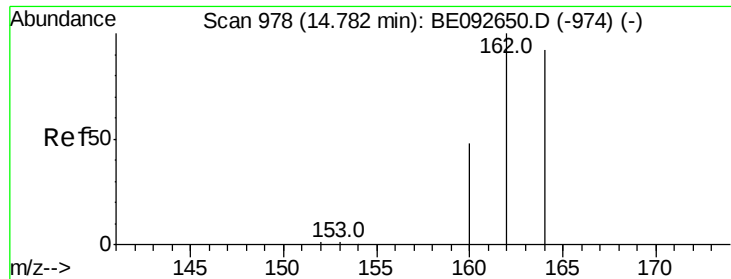


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->

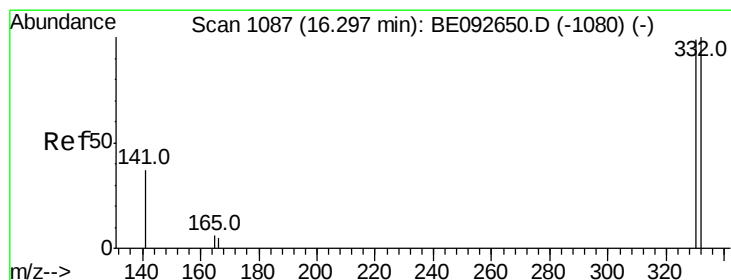
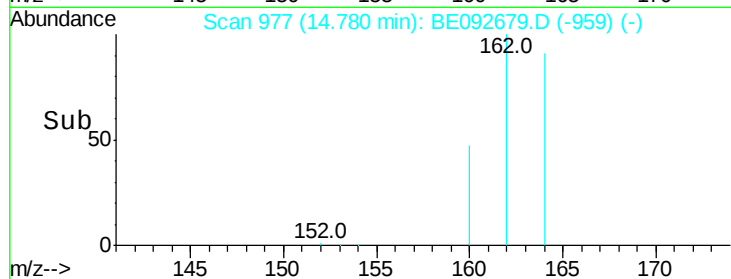
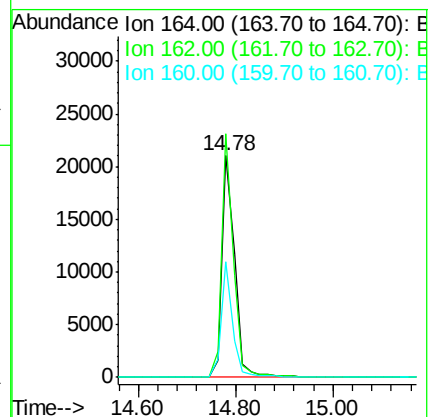
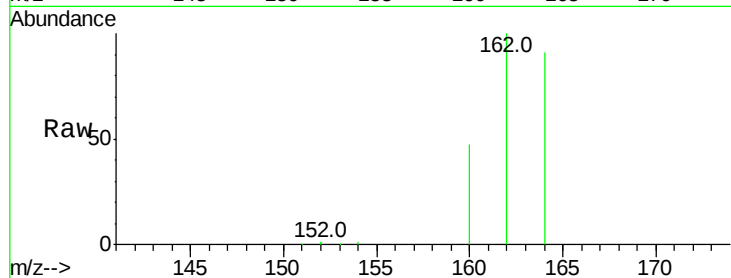




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 977
Delta R.T. -0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

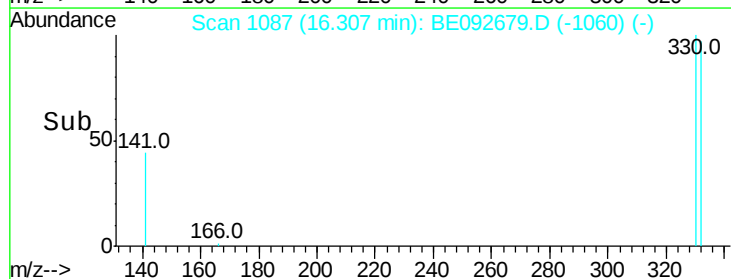
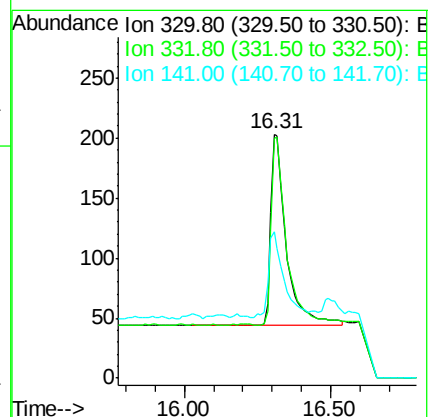
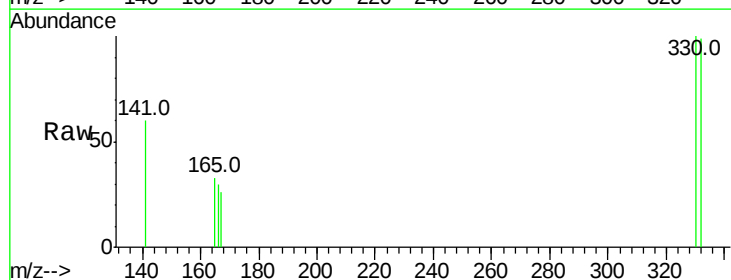
Instrument :
BNA_E
ClientSampleId :

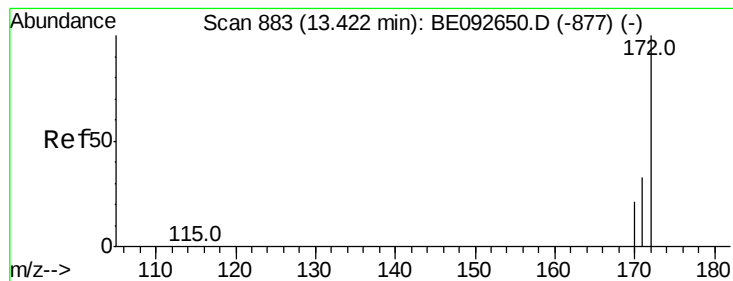
Tot Ion:164 Resp: 37712
Ion Ratio Lower Upper
164 100
162 110.0 71.4 107.0#
160 52.1 27.4 41.2#



#13
2,4,6-Tribromophenol
Concen: 0.65 ng
RT: 16.31 min Scan# 1087
Delta R.T. 0.01 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Tgt Ion:330 Resp: 592
Ion Ratio Lower Upper
330 100
332 98.5 75.4 113.0
141 44.6 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 0.37 ng

RT: 13.42 min Scan# 883

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

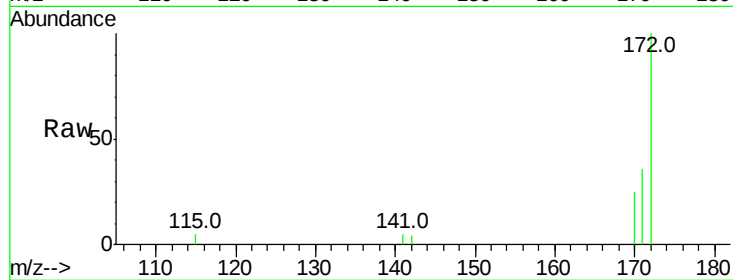
Tot Ion:172 Resp: 3402

Ion Ratio Lower Upper

172 100

171 36.4 30.1 45.1

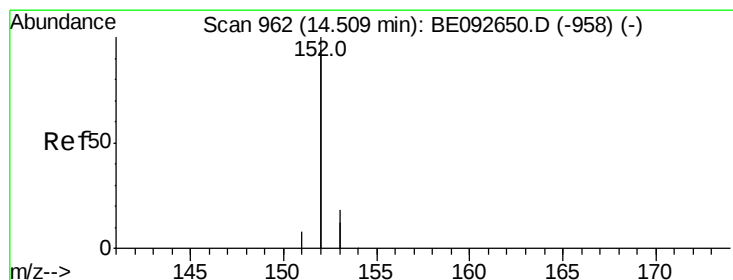
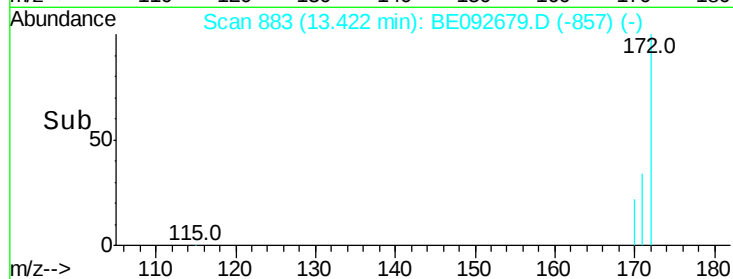
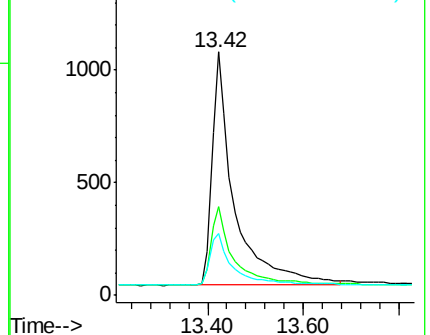
170 25.4 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#15

Acenaphthylene

Concen: 0.05 ng

RT: 14.51 min Scan# 961

Delta R.T. -0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

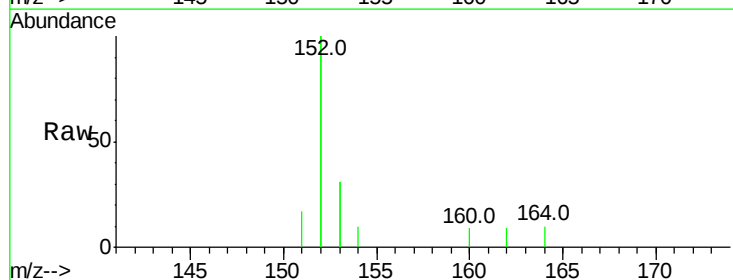
Tgt Ion:152 Resp: 2478

Ion Ratio Lower Upper

152 100

151 4.7 3.9 5.9

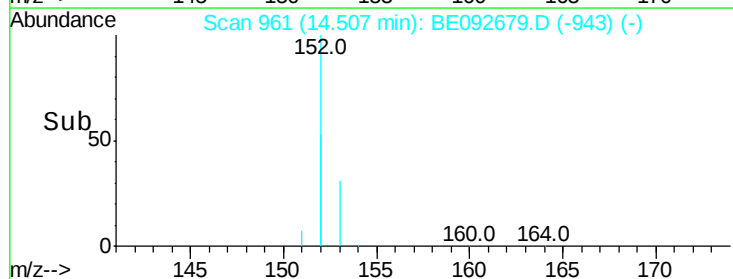
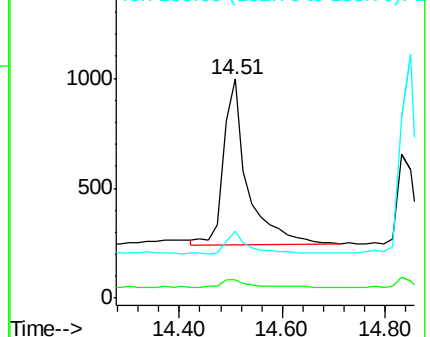
153 12.7 10.4 15.6

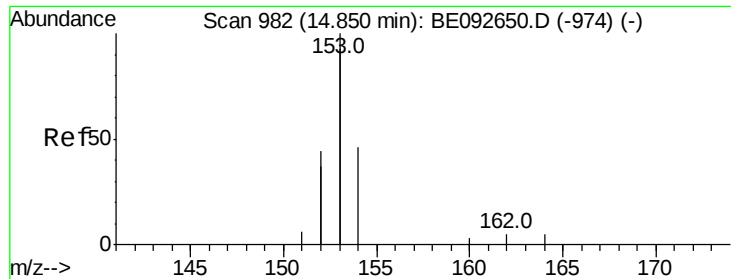


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#16

Acenaphthene

Concen: 0.05 ng

RT: 14.85 min Scan# 981

Delta R.T. -0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

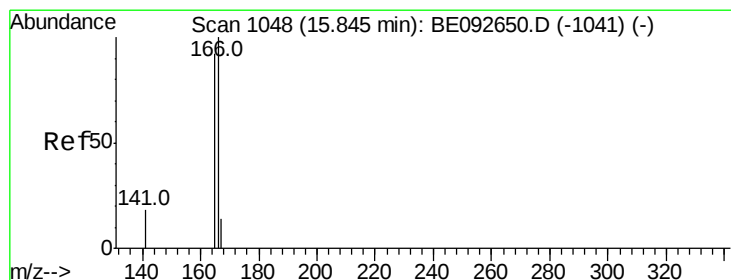
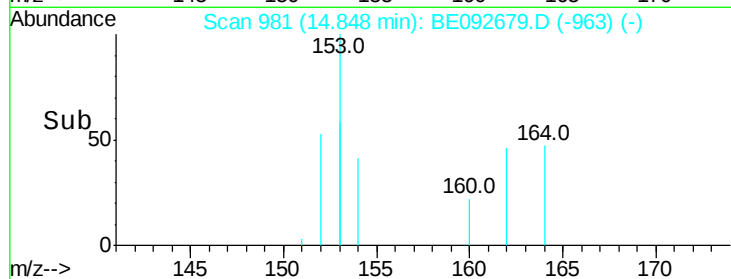
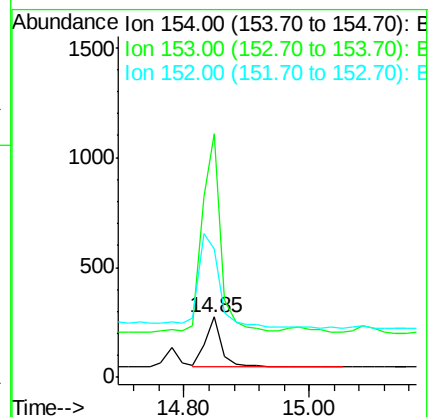
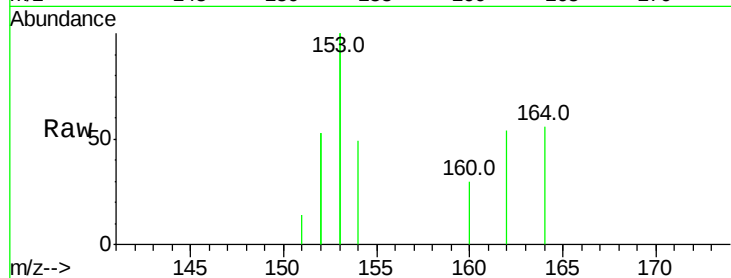
Tot Ion:154 Resp: 411

Ion Ratio Lower Upper

154 100

153 457.4 350.8 526.2

152 270.1 171.1 256.7#



#17

Fluorene

Concen: 0.06 ng

RT: 15.86 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

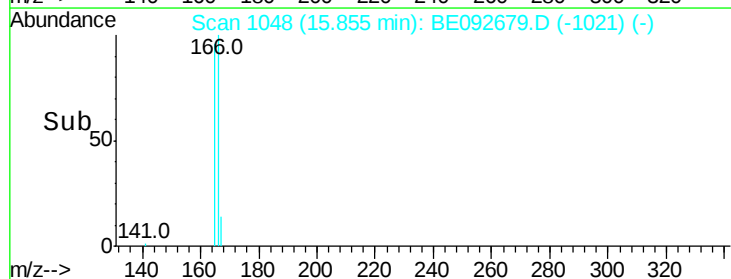
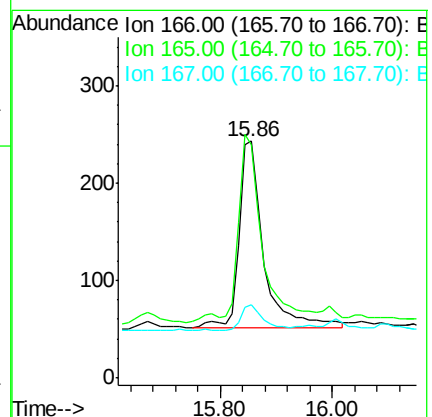
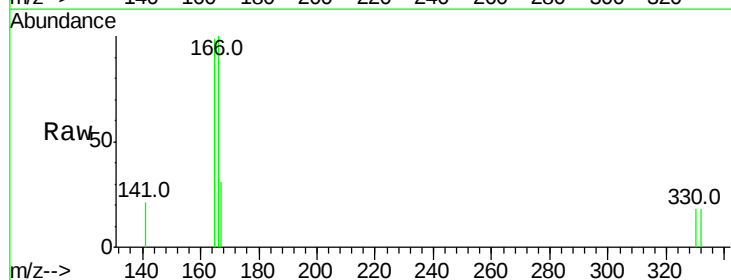
Tgt Ion:166 Resp: 592

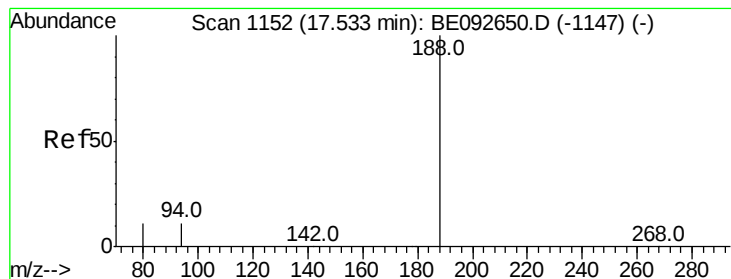
Ion Ratio Lower Upper

166 100

165 99.3 78.2 117.4

167 11.8 11.0 16.4





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampled :

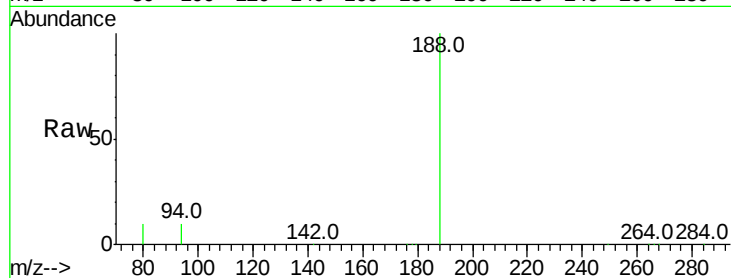
Tot Ion:188 Resp: 78429

Ion Ratio Lower Upper

188 100

94 10.0 3.2 4.8#

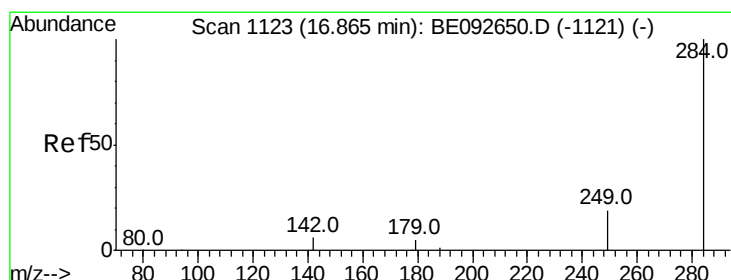
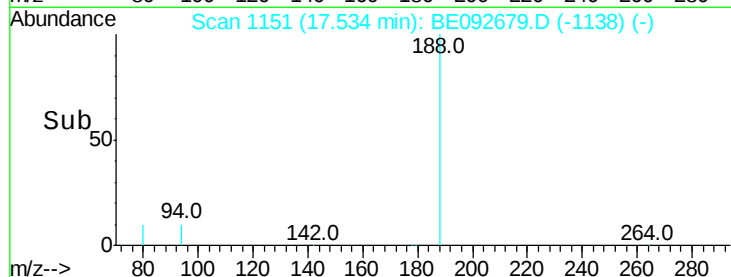
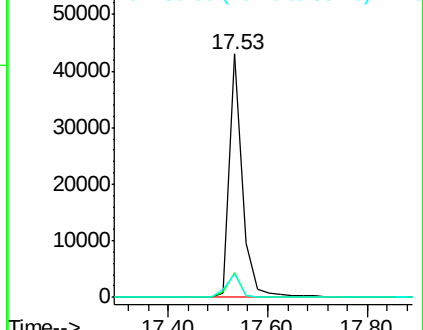
80 9.9 2.6 3.8#



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



#19

Hexachlorobenzene

Concen: 0.10 ng

RT: 16.75 min Scan# 1117

Delta R.T. -0.11 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

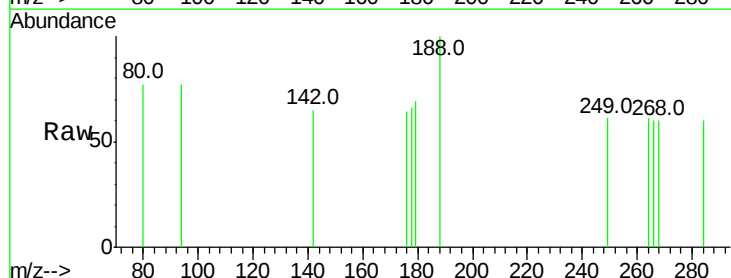
Tgt Ion:284 Resp: 480

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

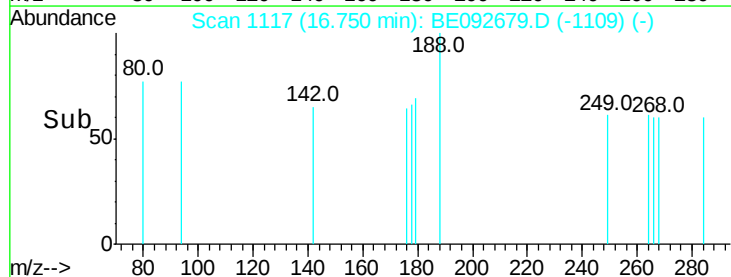
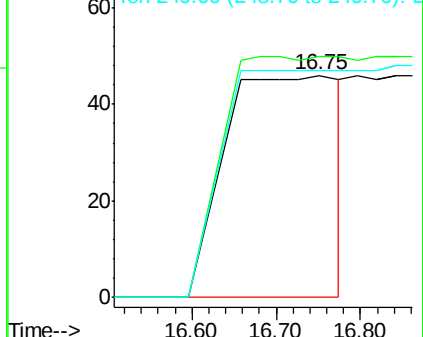
249 0.0 27.9 41.9#

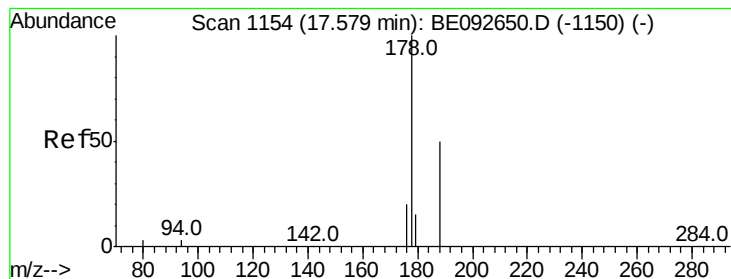


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Phenanthrene

Concen: 0.27 ng

RT: 17.58 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

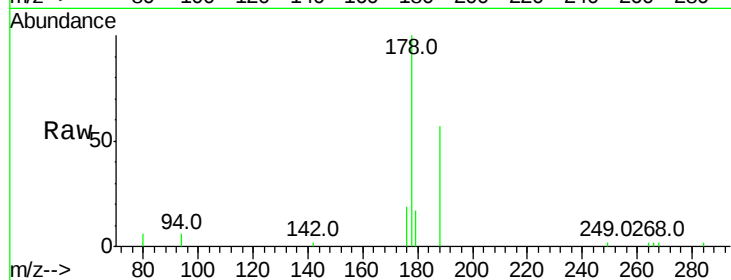
Tot Ion:178 Resp: 4705

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

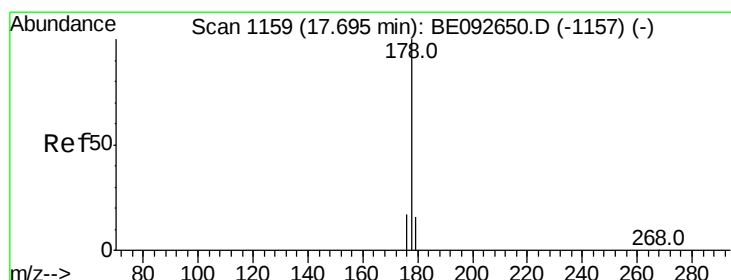
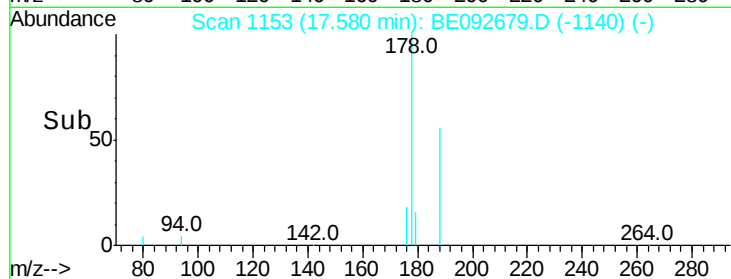
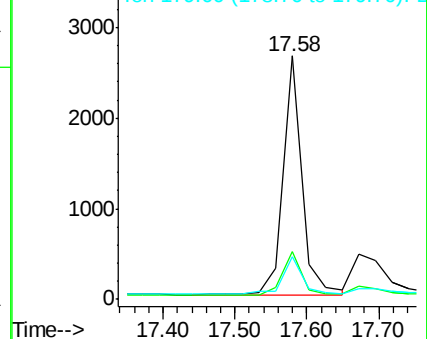
179 17.0 16.0 24.0



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



#22

Anthracene

Concen: 0.29 ng

RT: 17.58 min Scan# 1153

Delta R.T. -0.12 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

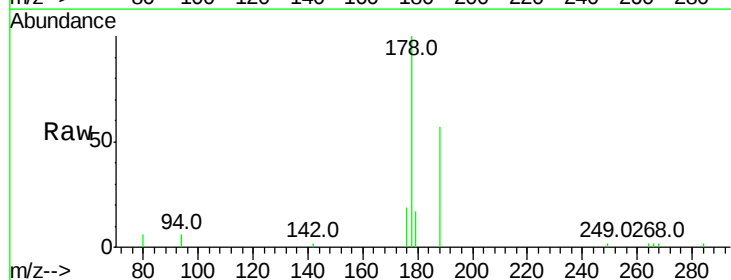
Tgt Ion:178 Resp: 4705

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

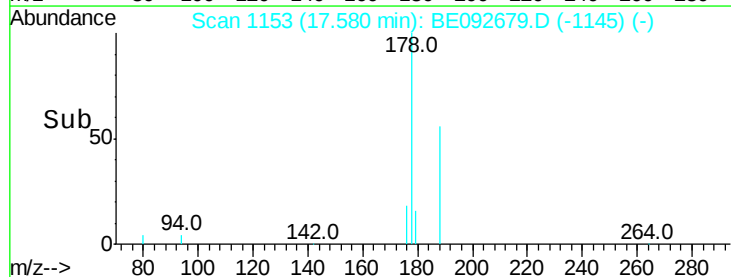
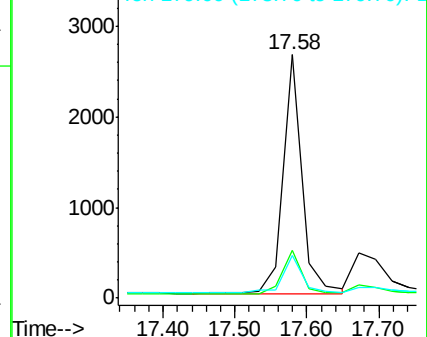
179 17.0 12.2 18.2

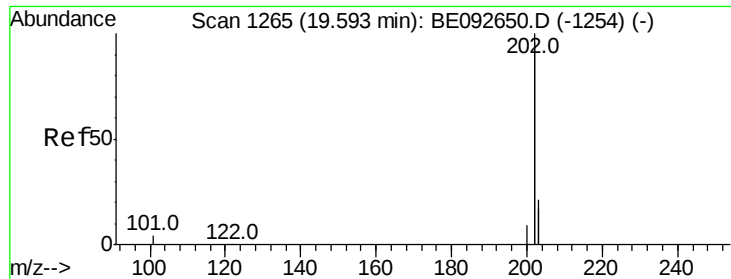


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.33 ng

RT: 19.58 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

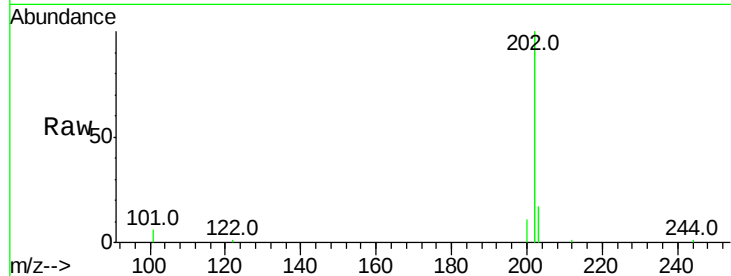
Tot Ion:202 Resp: 25376

Ion Ratio Lower Upper

202 100

101 3.0 2.2 3.4

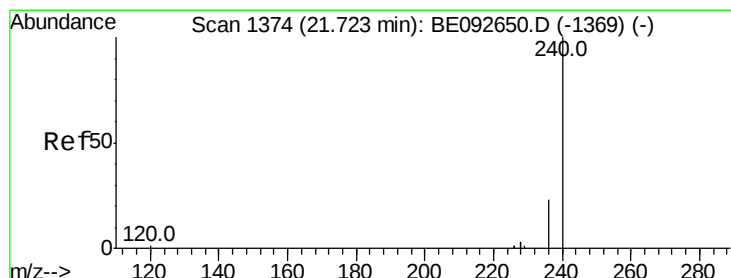
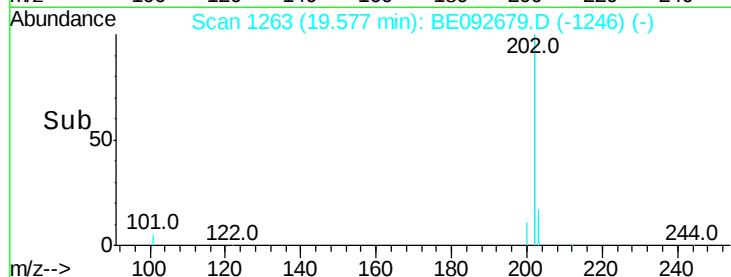
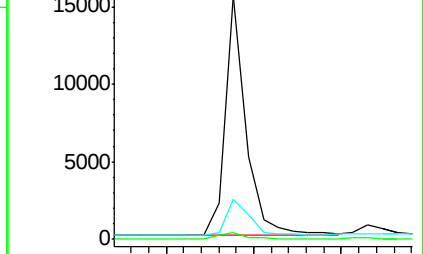
203 17.4 13.7 20.5



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# 1373

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

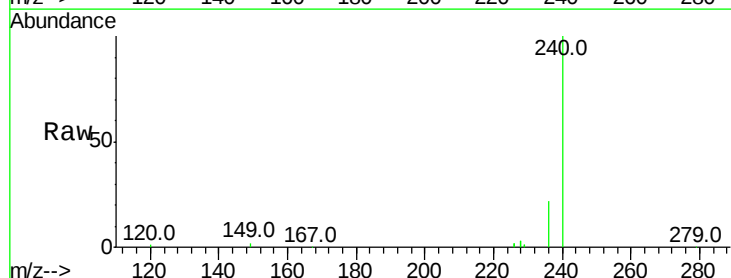
Tgt Ion:240 Resp: 82443

Ion Ratio Lower Upper

240 100

120 1.0 2.6 4.0#

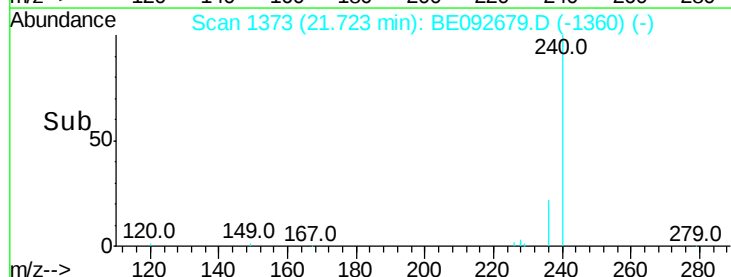
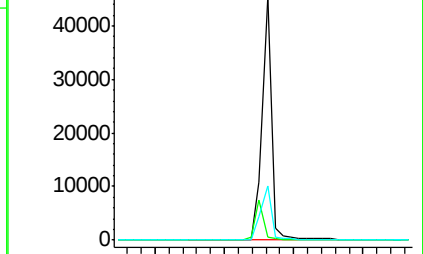
236 22.0 24.6 37.0#

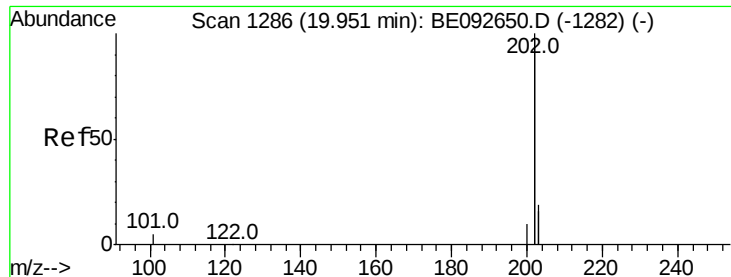


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

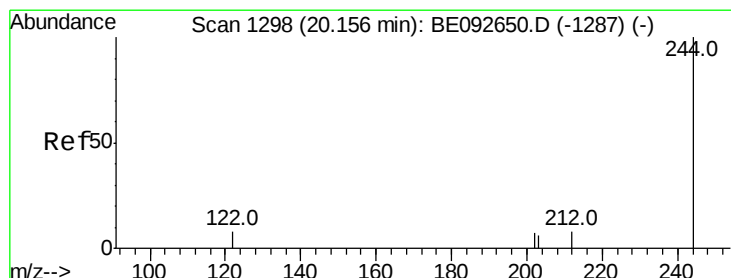
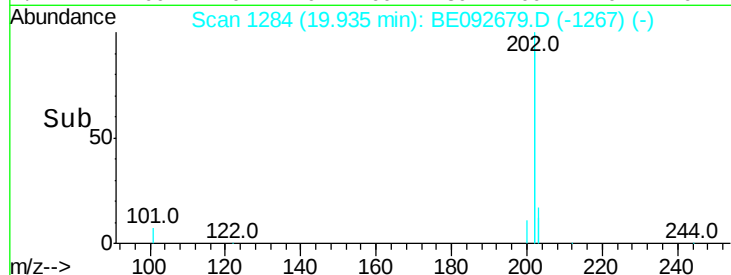
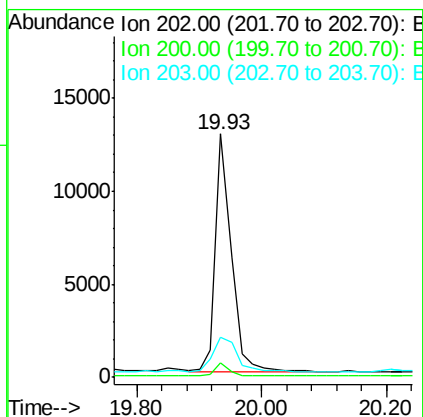
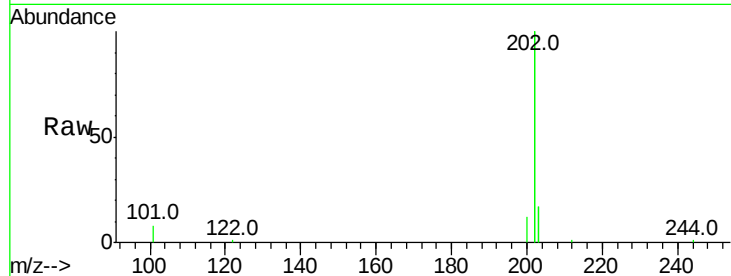




#25
Pvrene
Concen: 0.28 ng
RT: 19.93 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

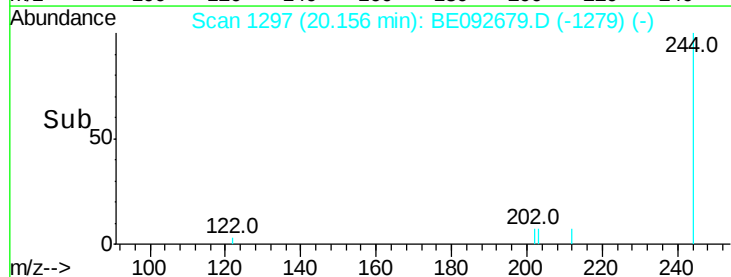
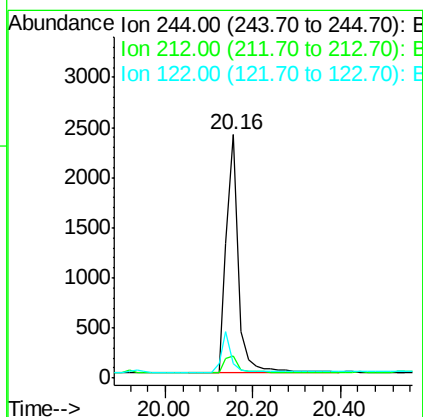
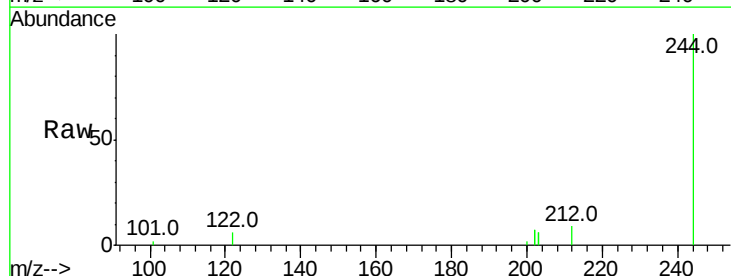
Instrument :
BNA_E
ClientSampleId :

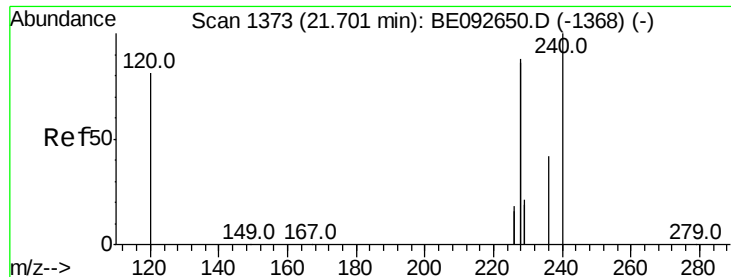
Tot Ion:202 Resp: 22394
Ion Ratio Lower Upper
202 100
200 5.3 4.2 6.4
203 22.9 13.9 20.9#



#26
Terphenyl-d14
Concen: 0.40 ng
RT: 20.16 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Tgt Ion:244 Resp: 4644
Ion Ratio Lower Upper
244 100
212 9.1 6.7 10.1
122 5.8 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 0.28 ng

RT: 21.75 min Scan# 1374

Delta R.T. 0.05 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

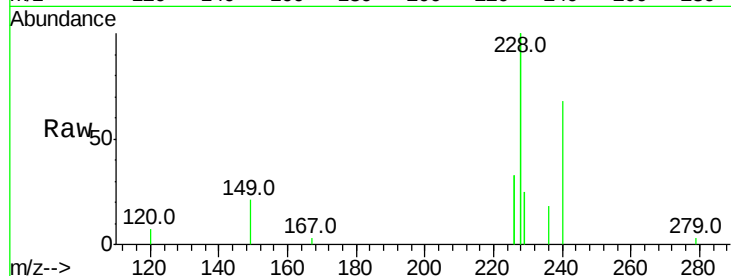
Tot Ion:228 Resp: 22381

Ion Ratio Lower Upper

228 100

226 33.3 23.6 35.4

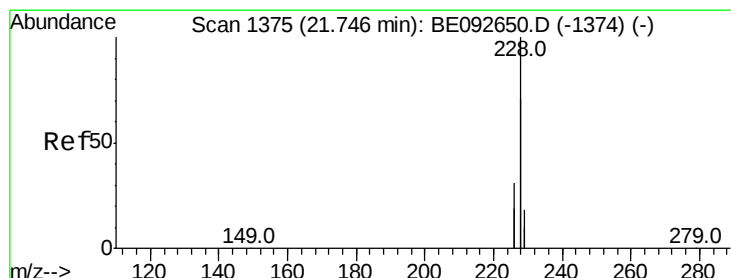
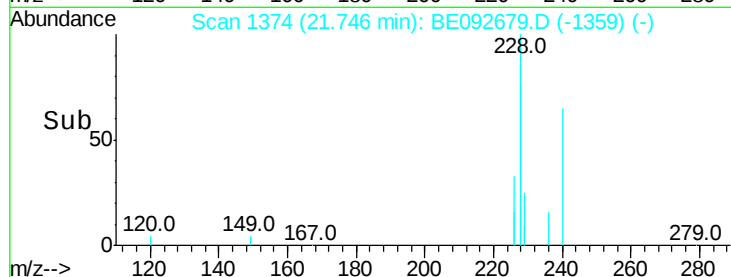
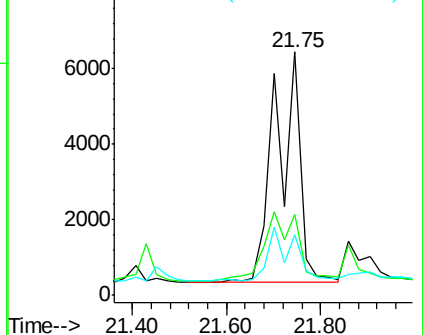
229 24.7 13.3 19.9#



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: 0.24 ng

RT: 21.75 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

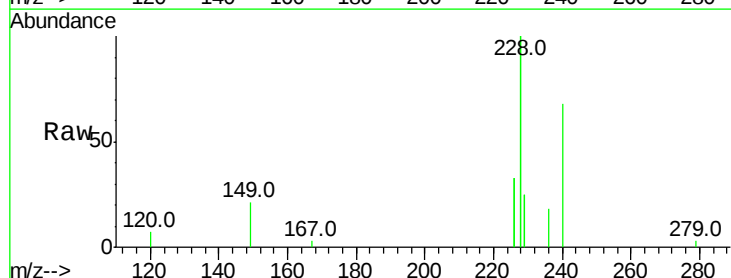
Tgt Ion:228 Resp: 22381

Ion Ratio Lower Upper

228 100

226 33.3 36.3 54.5#

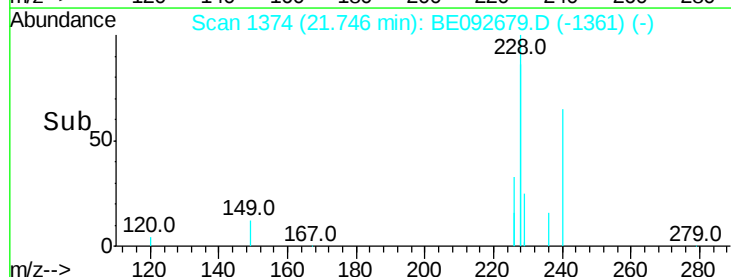
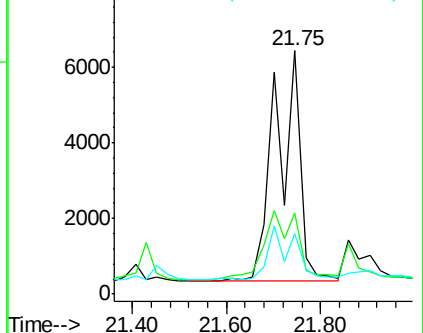
229 24.7 10.6 16.0#

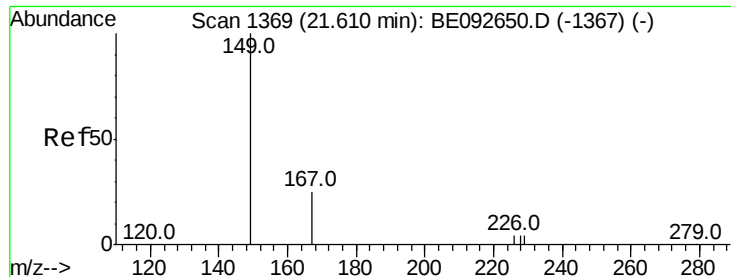


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.82 ng

RT: 21.66 min Scan# 1370

Delta R.T. 0.05 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

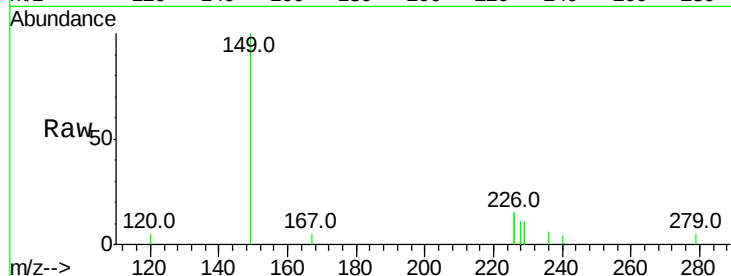
Tot Ion:149 Resp: 10328

Ion Ratio Lower Upper

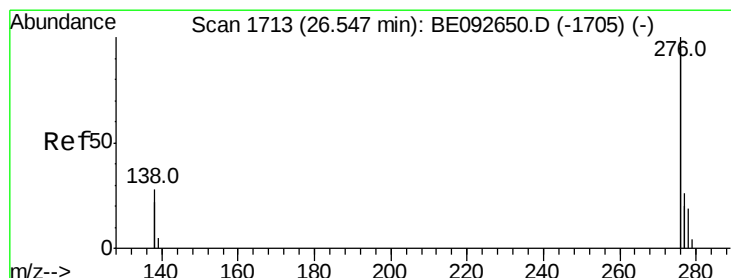
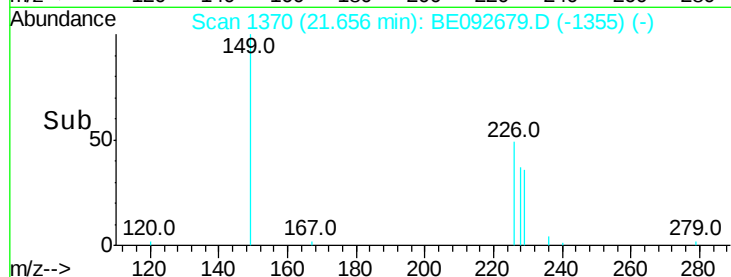
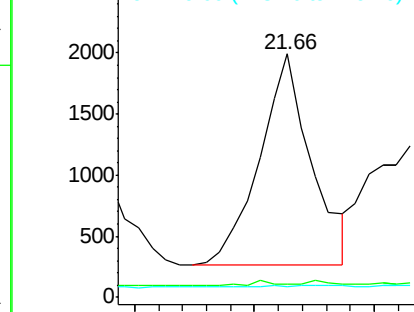
149 100

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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 26.55 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

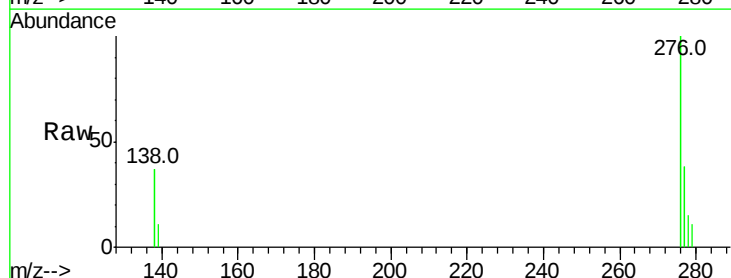
Tgt Ion:276 Resp: 6081

Ion Ratio Lower Upper

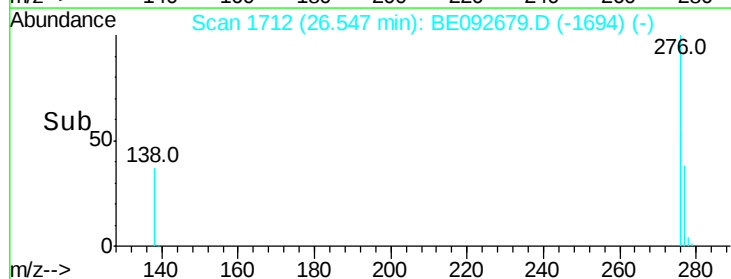
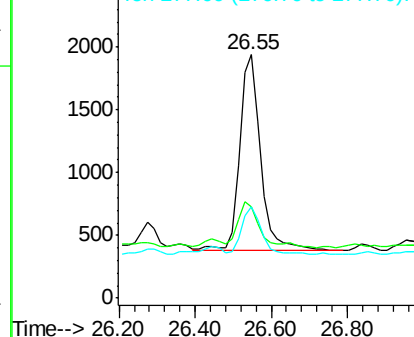
276 100

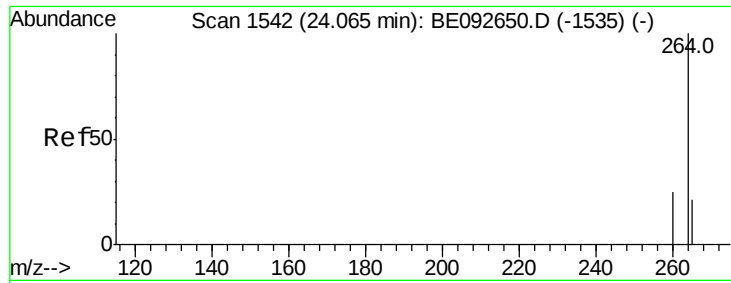
138 23.6 20.3 30.5

277 21.8 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

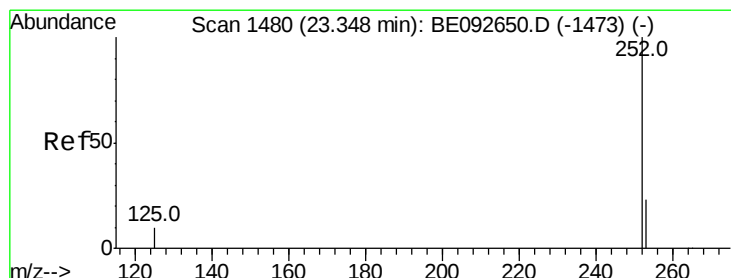
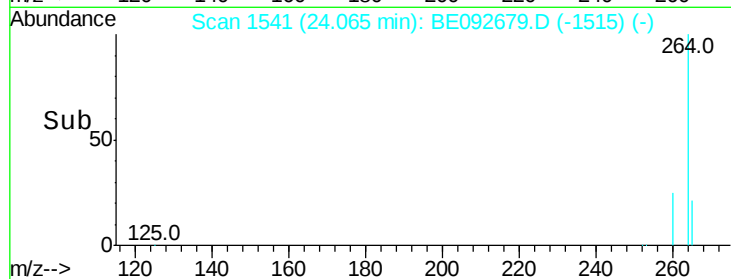
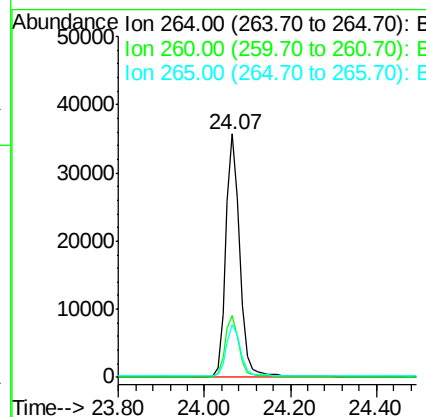
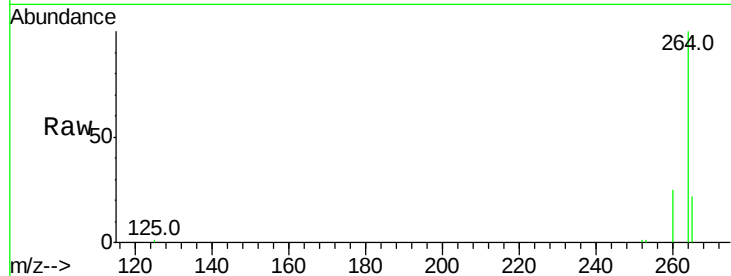




#31
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.07 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BE092679.D
 Acq: 24 Jan 2017 23:33

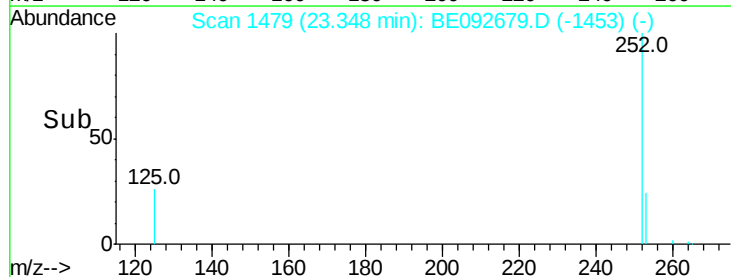
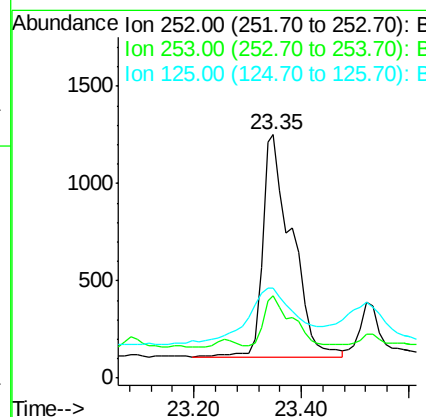
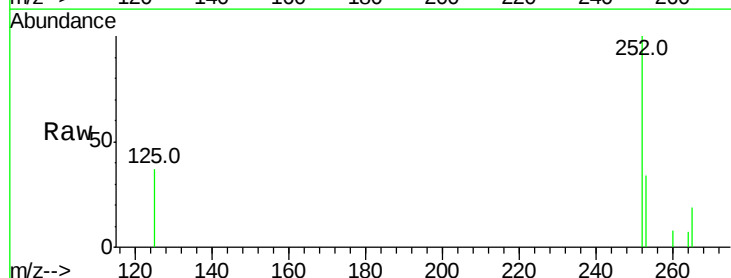
Instrument :
 BNA_E
 ClientSampleId :

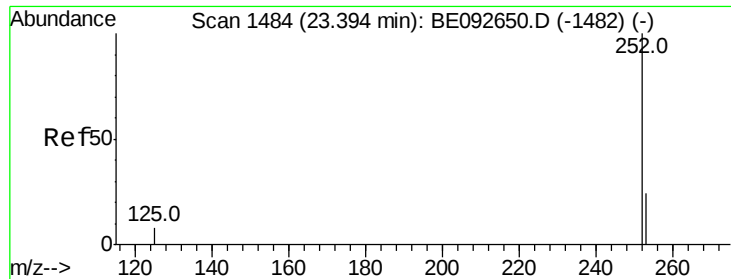
Tot Ion:264 Resp: 81037
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.1 30.1
 265 21.9 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 0.22 ng
 RT: 23.35 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BE092679.D
 Acq: 24 Jan 2017 23:33

Tgt Ion:252 Resp: 4283
 Ion Ratio Lower Upper
 252 100
 253 34.0 18.7 28.1#
 125 37.1 10.5 15.7#

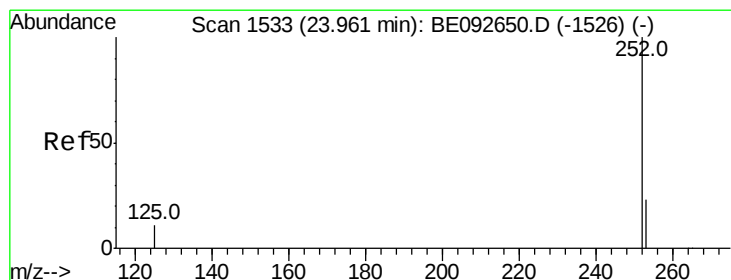
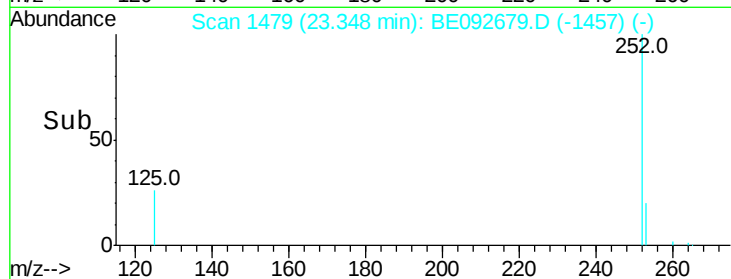
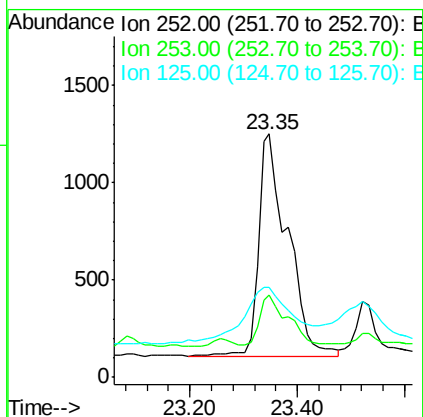
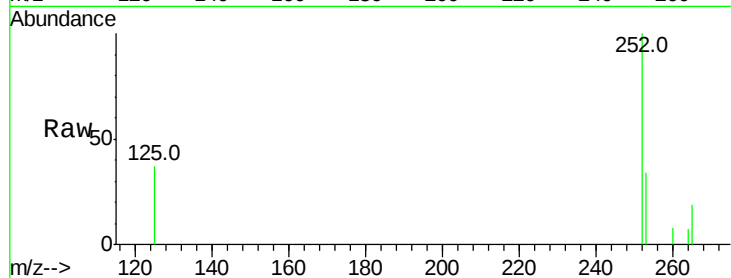




#33
Benzo(k)fluoranthene
Concen: 0.22 ng
RT: 23.35 min Scan# 1479
Delta R.T. -0.05 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

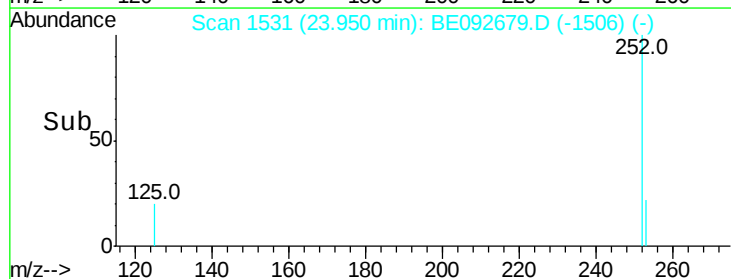
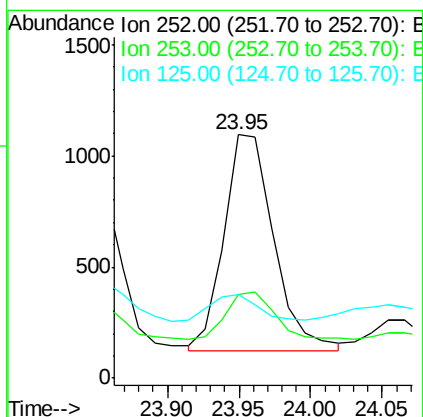
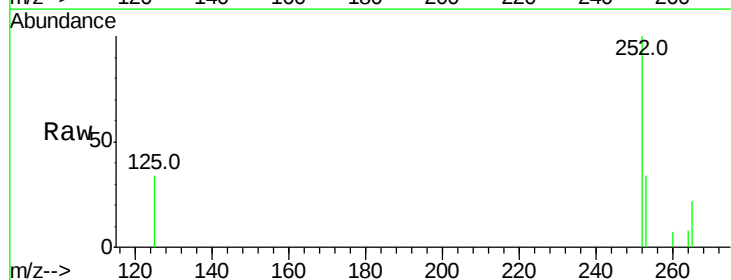
Instrument :
BNA_E
ClientSampleId :

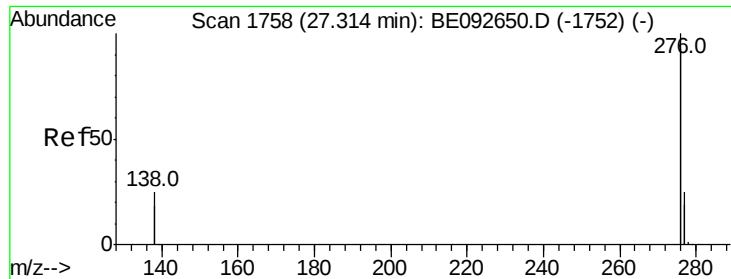
Tot Ion:252 Resp: 4283
Ion Ratio Lower Upper
252 100
253 34.0 20.3 30.5#
125 37.1 9.6 14.4#



#34
Benzo(a)pyrene
Concen: 0.13 ng
RT: 23.95 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Tgt Ion:252 Resp: 2368
Ion Ratio Lower Upper
252 100
253 34.3 19.0 28.6#
125 34.4 11.8 17.8#





#36

Benzo(a,h,i)perylene

Concen: 0.09 ng

RT: 27.31 min Scan# 1757

Delta R.T. 0.00 min

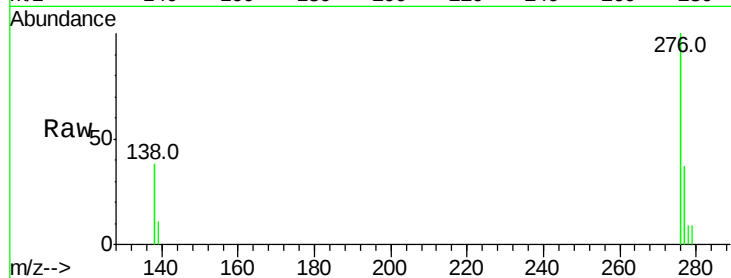
Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :



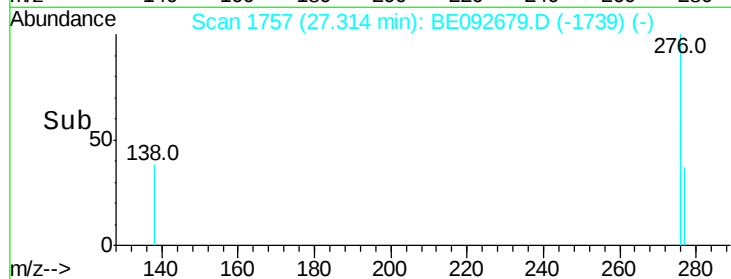
Tot Ion:276 Resp: 6845

Ion Ratio Lower Upper

276 100

277 36.8 19.8 29.8#

138 38.2 19.8 29.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

