

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
 Data File : BE092675.D
 Acq On : 24 Jan 2017 21:03
 Operator : UM/SJ
 Sample : I1378-06 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 25 11:08:34 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	8009	5.00	ng	0.00
7) Naphthalene-d8	10.93	136	35892	5.00	ng	0.02
12) Acenaphthene-d10	14.78	164	25617	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	57578	5.00	ng	0.00
24) Chrysene-d12	21.72	240	70164	5.00	ng	0.00
31) Perylene-d12	24.06	264	67434	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	1274	0.71	ng	0.01
5) Phenol-d6	7.34	99	1465	0.67	ng	0.00
8) Nitrobenzene-d5	9.48	82	543	0.23	ng	0.14
13) 2,4,6-Tribromophenol	16.34	330	424	0.68	ng	0.05
14) 2-Fluorobiphenyl	13.44	172	2451	0.39	ng	0.02
26) Terphenyl-d14	20.16	244	3609	0.36	ng	0.00

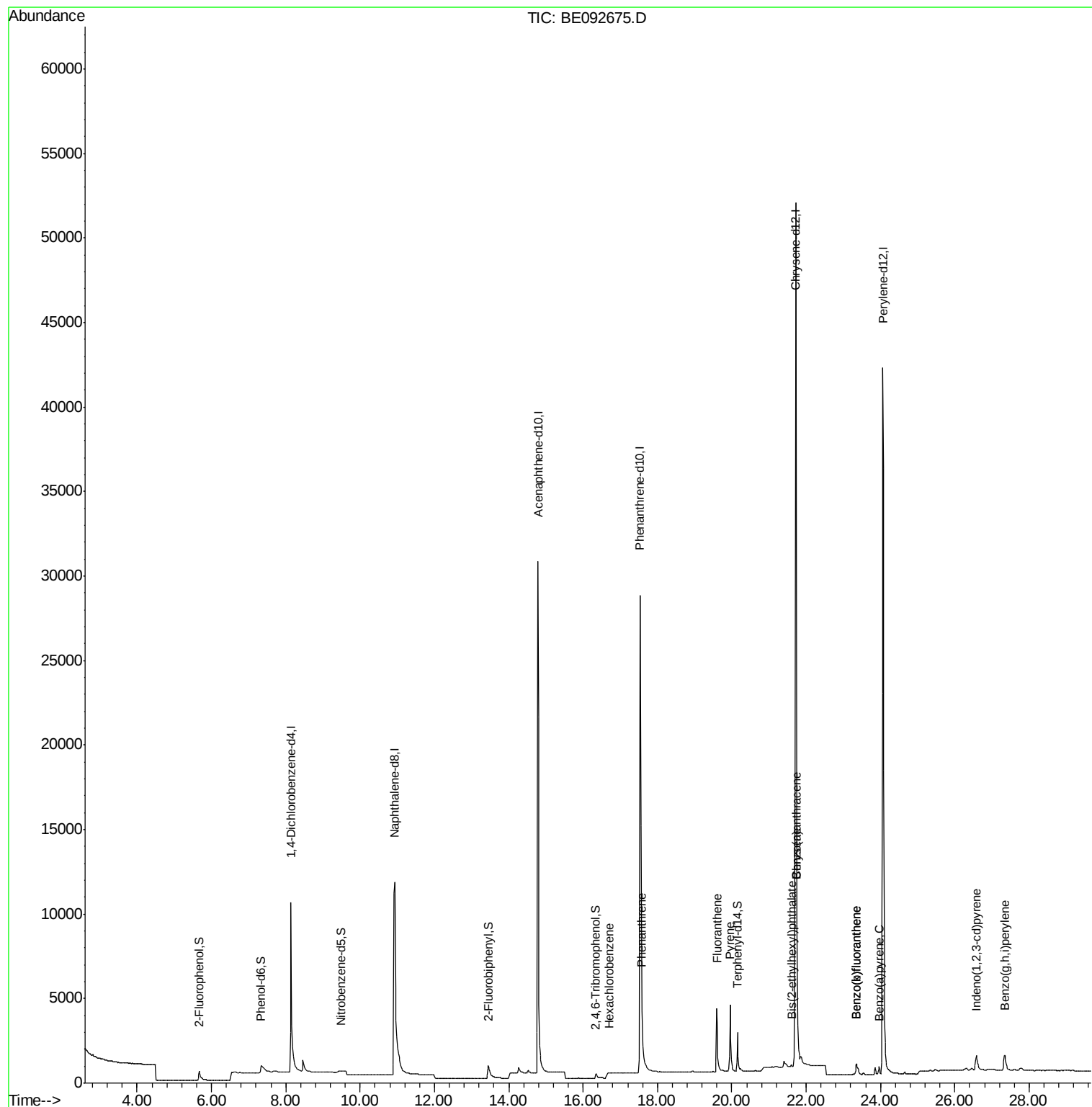
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.50	88	39	Below Cal	#	19
19) Hexachlorobenzene	16.71	284	533	0.20	ng	# 39
21) Phenanthrene	17.58	178	717	0.06	ng	95
23) Fluoranthene	19.60	202	6876	0.12	ng	99
25) Pyrene	19.95	202	6361	0.09	ng	# 92
27) Benzo(a)anthracene	21.75	228	9010	0.13	ng	# 85
28) Chrysene	21.75	228	9010	0.12	ng	# 81
29) Bis(2-ethylhexyl)phthalate	21.61	149	185	0.22	ng	# 66
30) Indeno(1,2,3-cd)pyrene	26.58	276	2482	0.03	ng	94
32) Benzo(b)fluoranthene	23.36	252	1800	0.11	ng	# 71
33) Benzo(k)fluoranthene	23.36	252	1800	0.11	ng	# 73
34) Benzo(a)pyrene	23.96	252	899	0.06	ng	# 61
36) Benzo(a,h,i)perylene	27.35	276	2764	0.04	ng	# 62

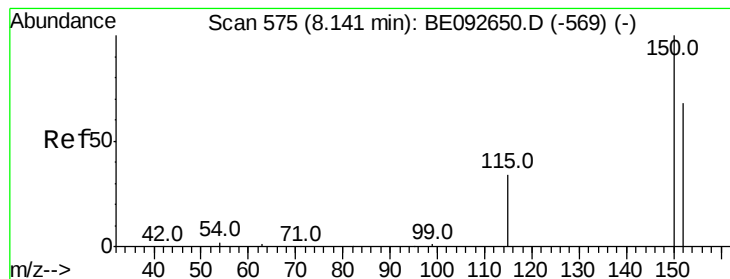
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
Data File : BE092675.D
Acq On : 24 Jan 2017 21:03
Operator : UM/SJ
Sample : I1378-06 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Jan 25 11:08:34 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

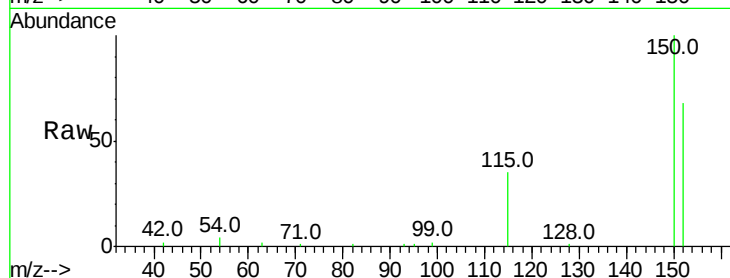
Tot Ion:152 Resp: 8009

Ion Ratio Lower Upper

152 100

150 147.7 106.0 159.0

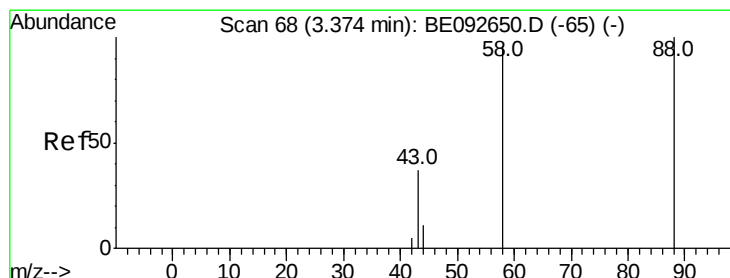
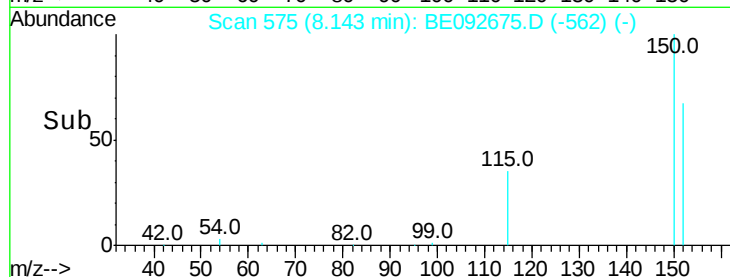
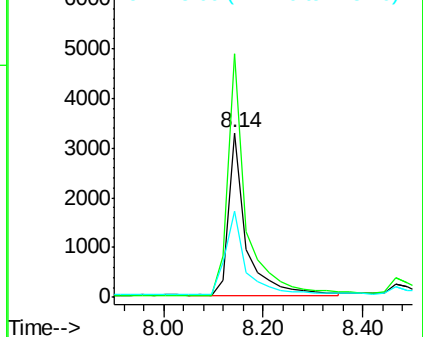
115 52.2 31.2 46.8#



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: 3.50 min Scan# 79

Delta R.T. 0.13 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

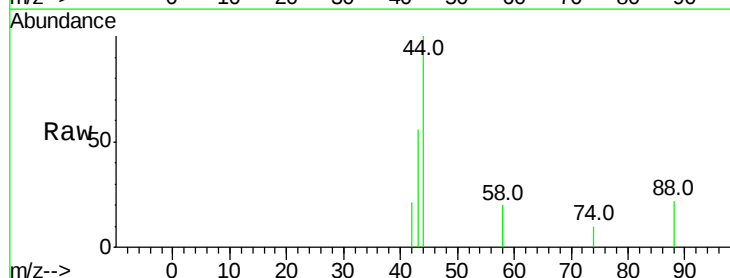
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

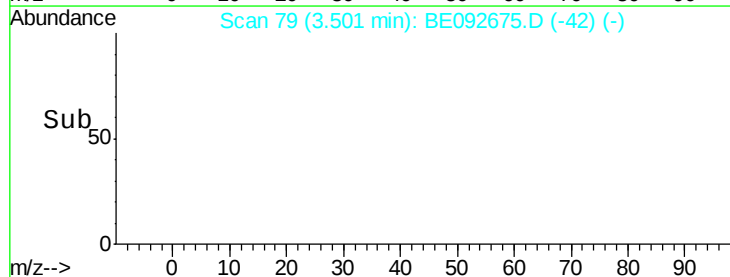
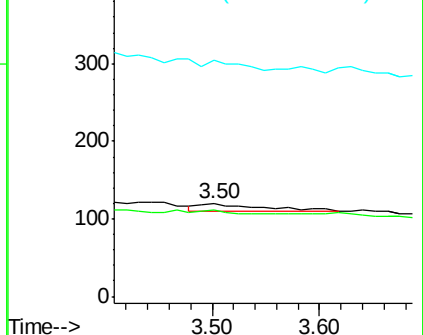
43 0.0 28.0 42.0#

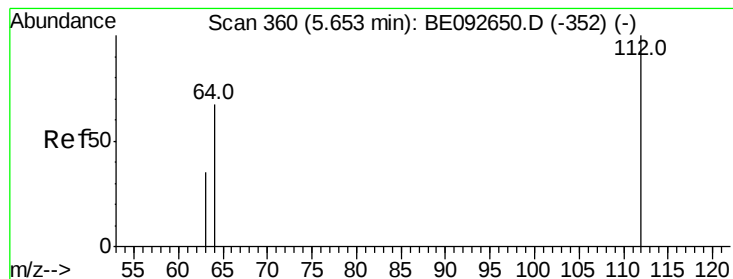


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.71 ng

RT: 5.66 min Scan# 362

Delta R.T. 0.01 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

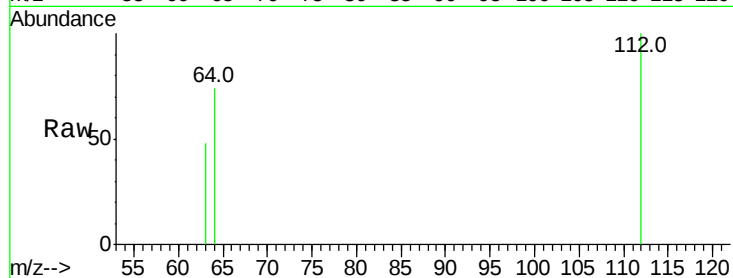
Tot Ion:112 Resp: 1274

Ion Ratio Lower Upper

112 100

64 69.0 53.5 80.3

63 33.3 27.9 41.9



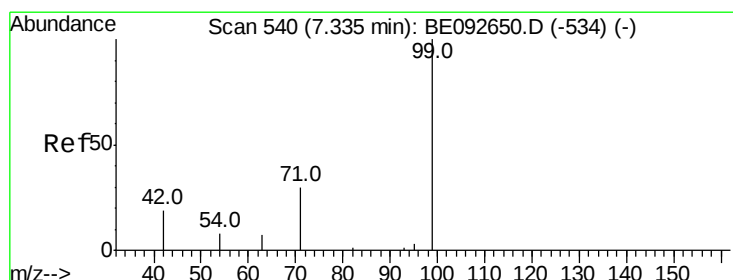
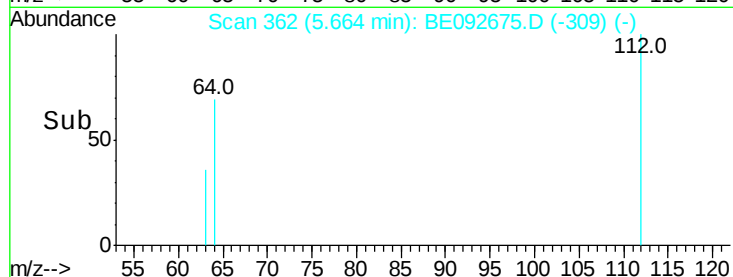
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.66

Time-->



#5

Phenol-d6

Concen: 0.67 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

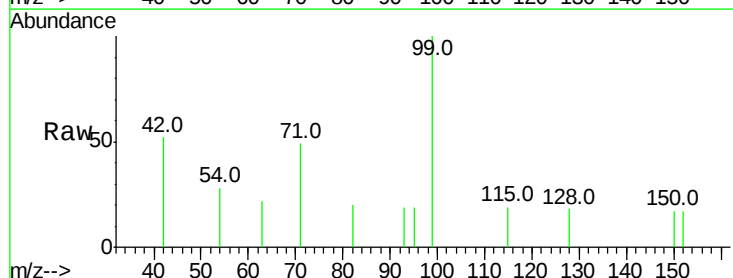
Tgt Ion: 99 Resp: 1465

Ion Ratio Lower Upper

99 100

42 28.2 16.0 24.0#

71 36.7 30.6 45.8



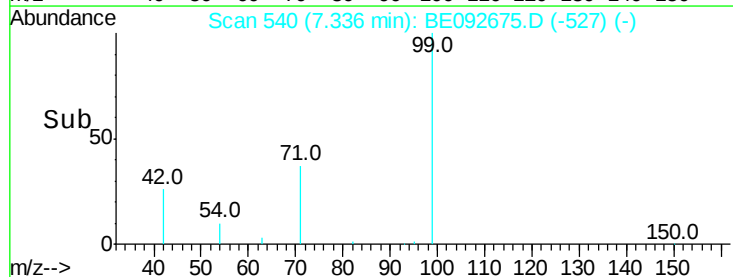
Abundance Ion 99.00 (98.70 to 99.70): BE0

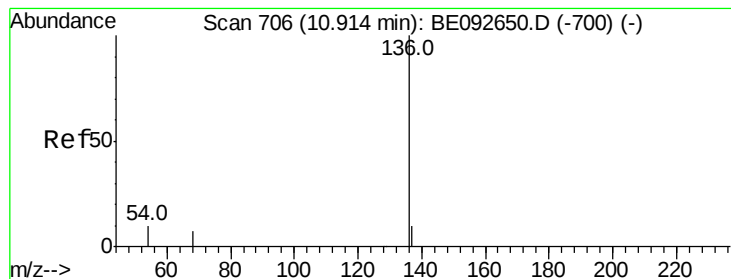
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.34

Time-->





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.02 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 35892

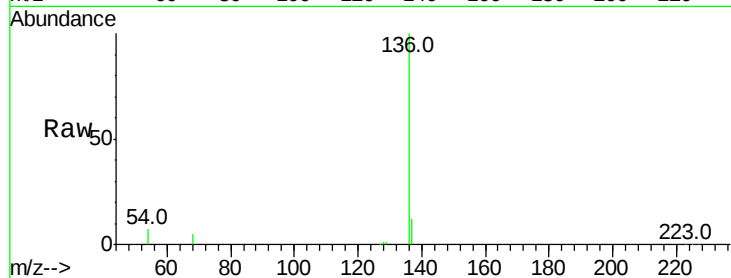
Ion Ratio Lower Upper

136 100

137 12.0 8.2 12.4

54 7.4 9.6 14.4#

68 5.2 6.7 10.1#

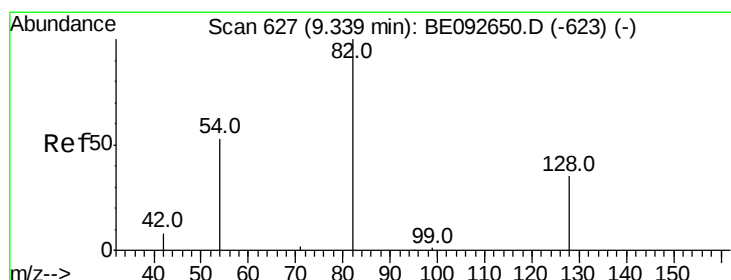
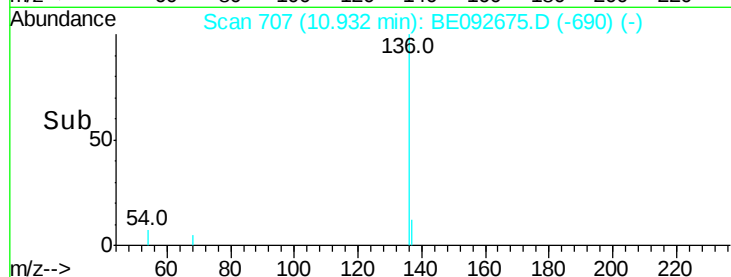
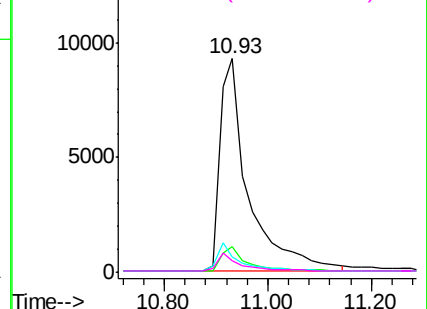


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.23 ng

RT: 9.48 min Scan# 633

Delta R.T. 0.14 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

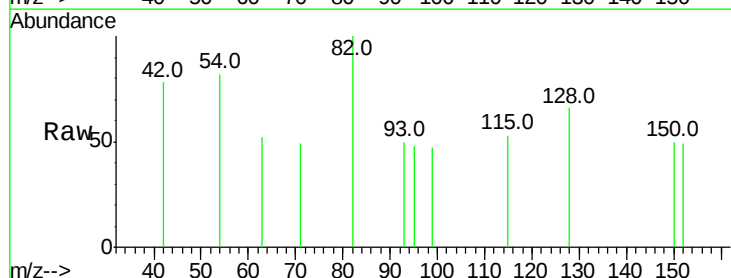
Tgt Ion: 82 Resp: 543

Ion Ratio Lower Upper

82 100

128 66.3 39.0 58.4#

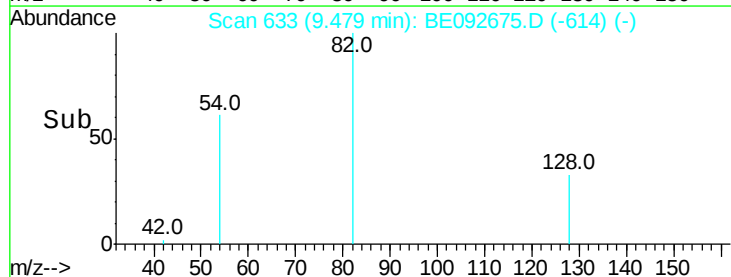
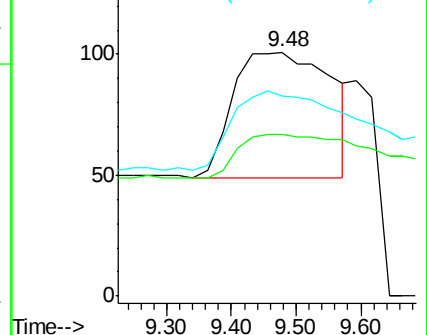
54 82.2 44.8 67.2#

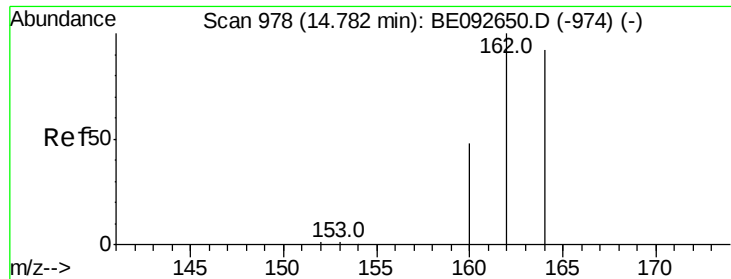


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

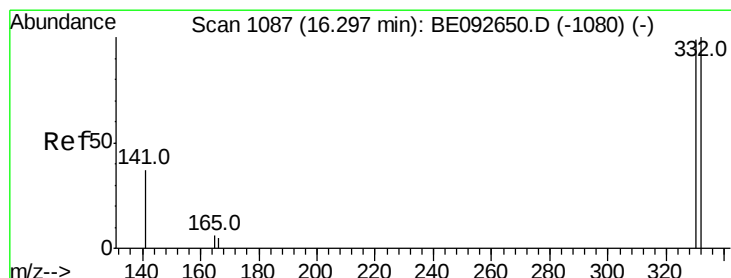
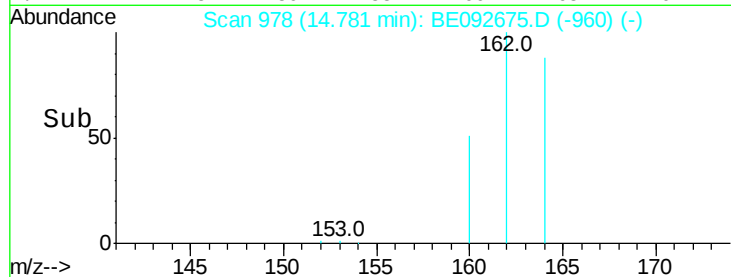
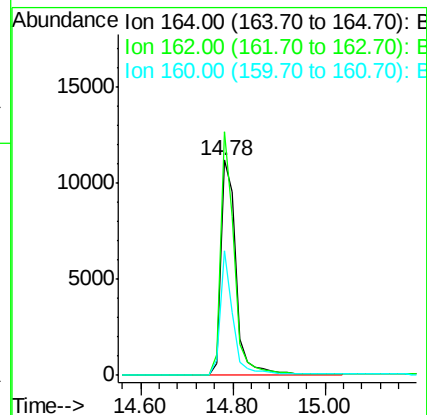
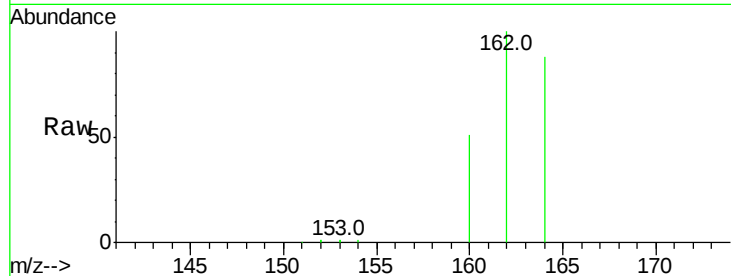
Tot Ion:164 Resp: 25617

Ion Ratio Lower Upper

164 100

162 113.2 71.4 107.0#

160 58.0 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 0.68 ng

RT: 16.34 min Scan# 1091

Delta R.T. 0.05 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

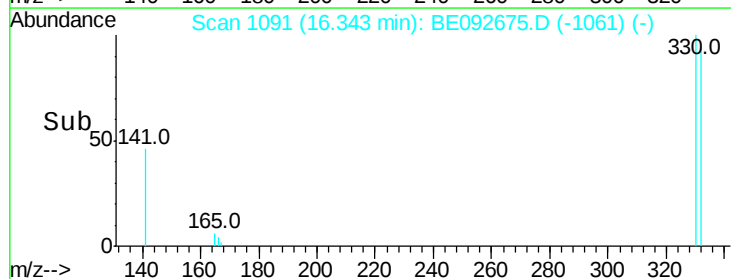
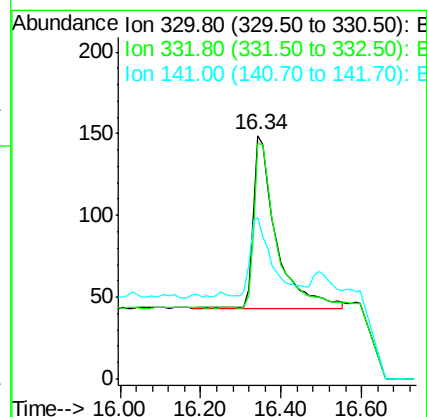
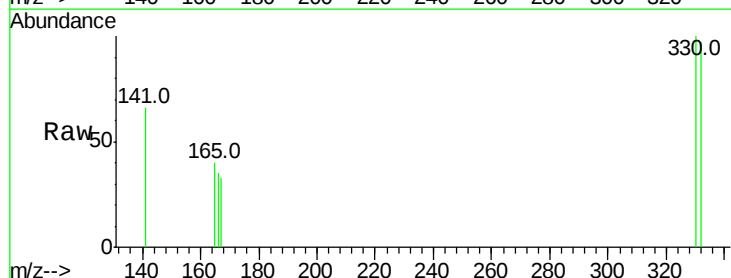
Tgt Ion:330 Resp: 424

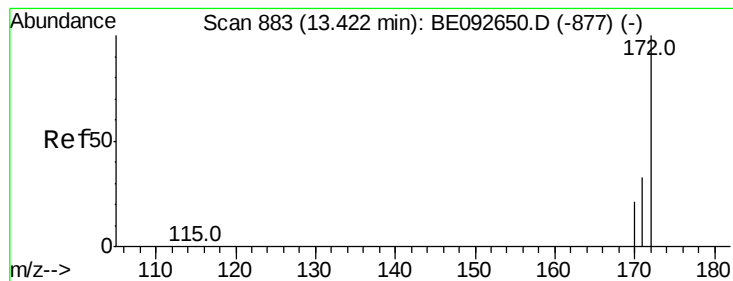
Ion Ratio Lower Upper

330 100

332 93.6 75.4 113.0

141 42.0 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 0.39 ng

RT: 13.44 min Scan# 885

Delta R.T. 0.02 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

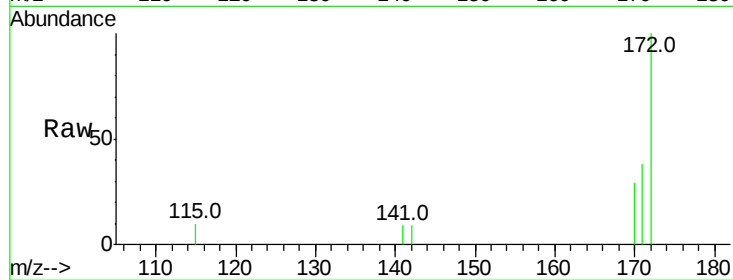
Tot Ion:172 Resp: 2451

Ion Ratio Lower Upper

172 100

171 37.8 30.1 45.1

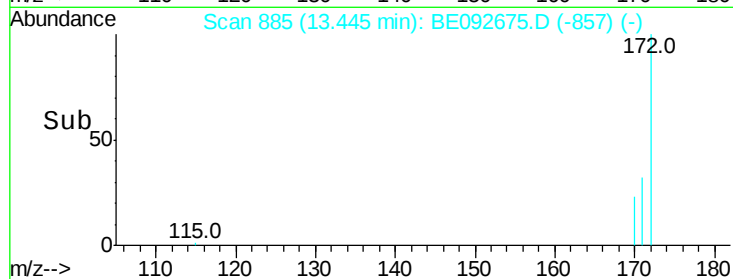
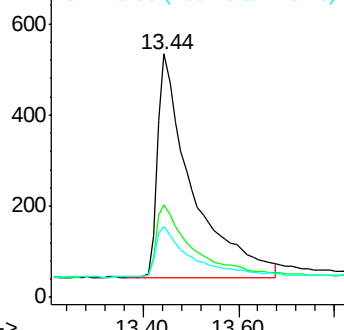
170 29.2 21.8 32.6



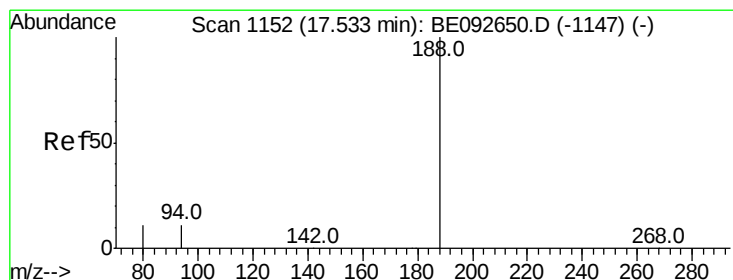
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

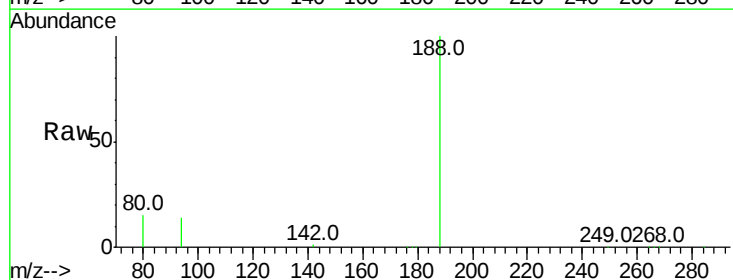
Tgt Ion:188 Resp: 57578

Ion Ratio Lower Upper

188 100

94 13.9 3.2 4.8#

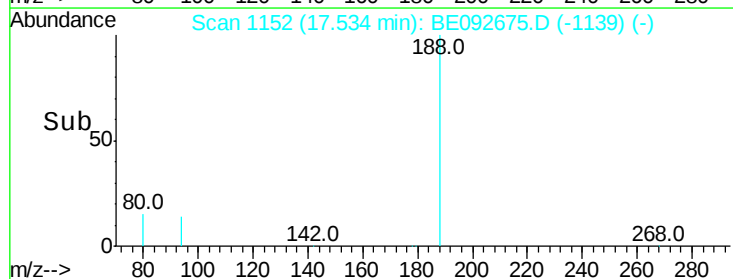
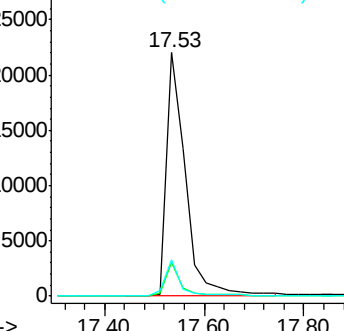
80 14.8 2.6 3.8#



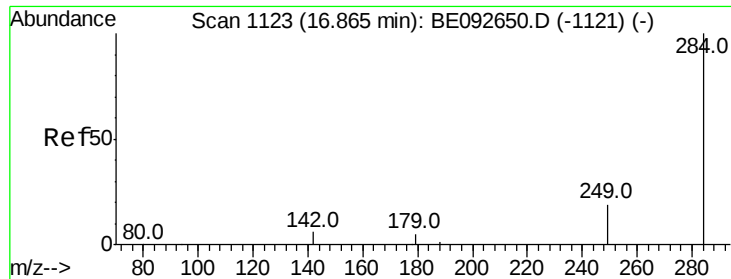
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



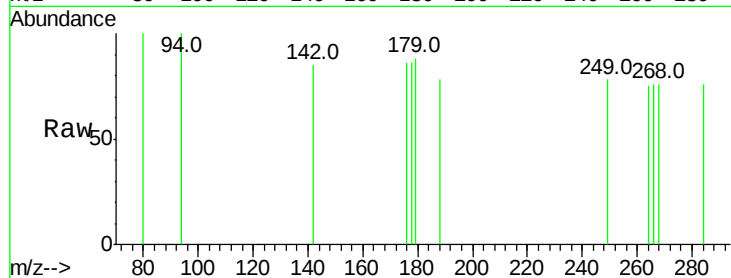
Time-->



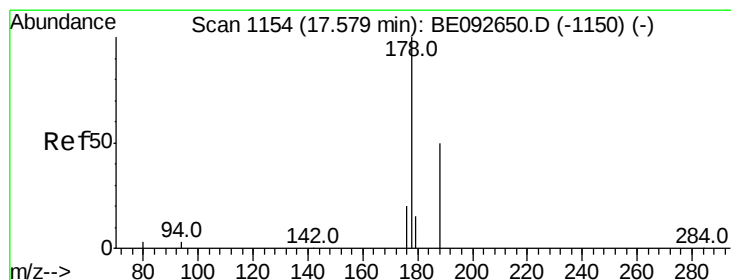
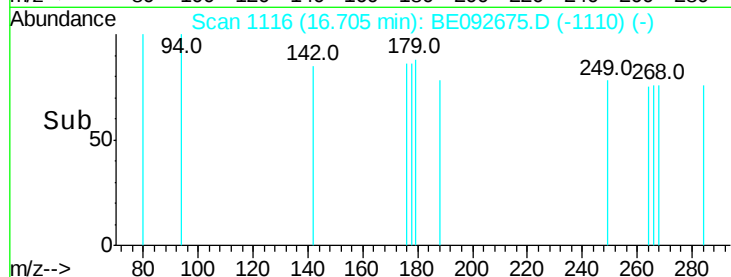
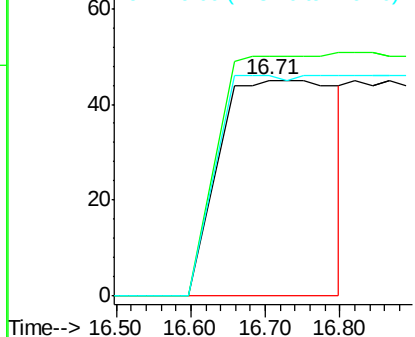
#19
Hexachlorobenzene
Concen: 0.20 ng
RT: 16.71 min Scan# 1116
Delta R.T. -0.16 min
Lab File: BE092675.D
Acq: 24 Jan 2017 21:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 533
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

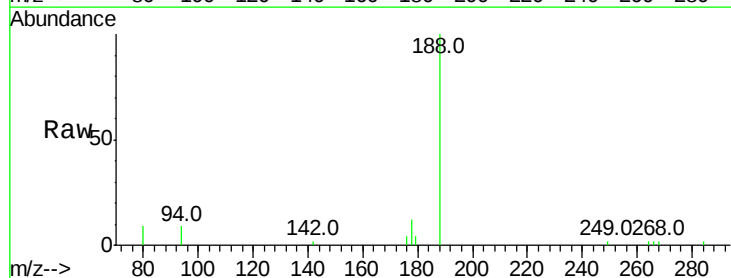


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

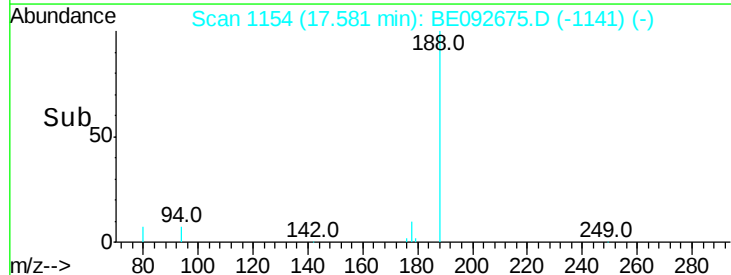
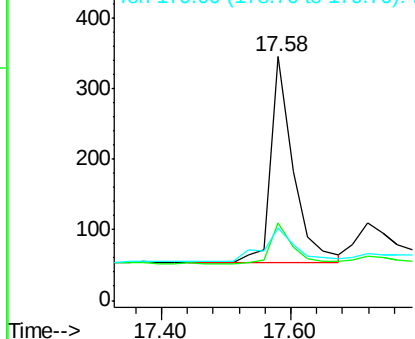


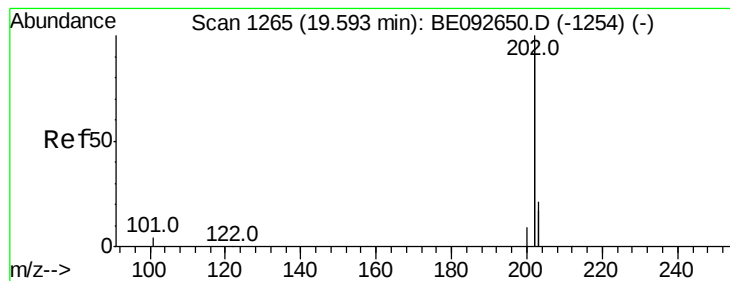
#21
Phenanthrene
Concen: 0.06 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092675.D
Acq: 24 Jan 2017 21:03

Tgt Ion:178 Resp: 717
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 22.9 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





#23

Fluoranthene

Concen: 0.12 ng

RT: 19.60 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

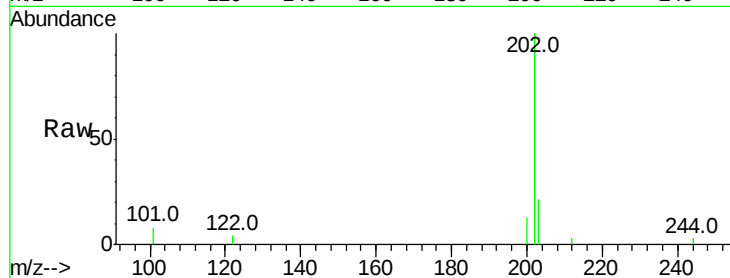
Tot Ion:202 Resp: 6876

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

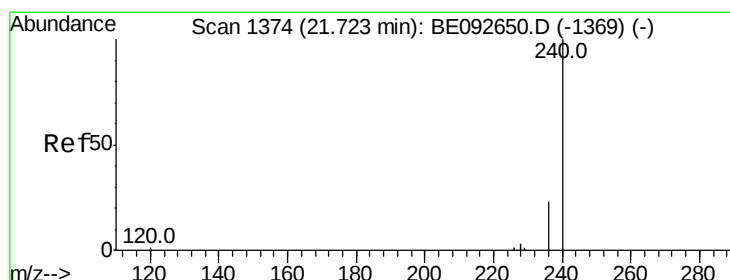
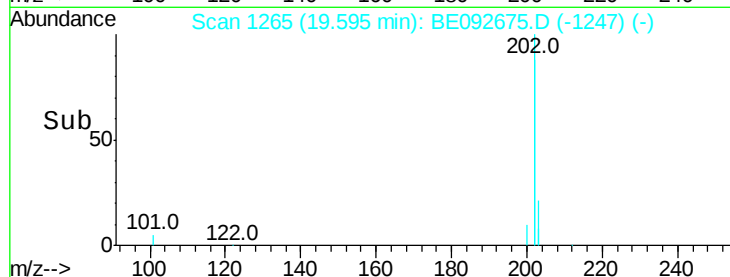
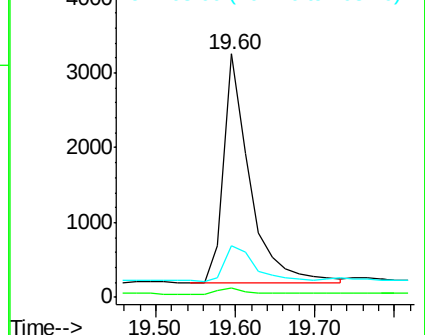
203 16.6 13.7 20.5



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: BE092675.D

Acq: 24 Jan 2017 21:03

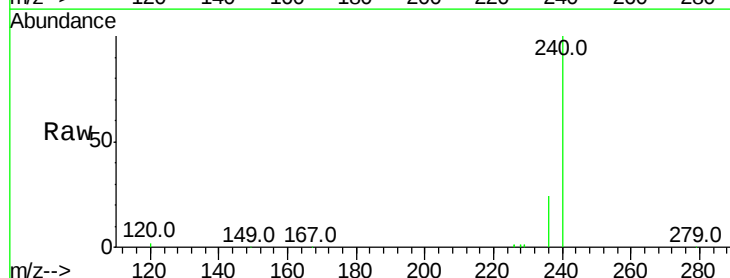
Tgt Ion:240 Resp: 70164

Ion Ratio Lower Upper

240 100

120 1.9 2.6 4.0#

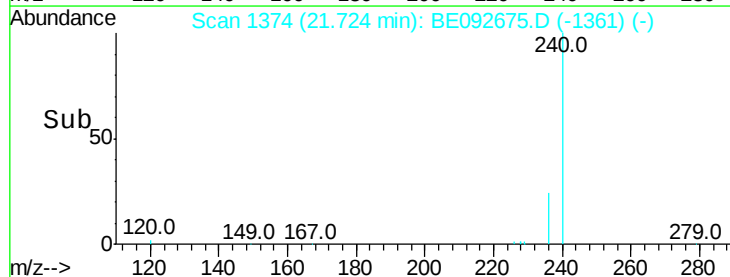
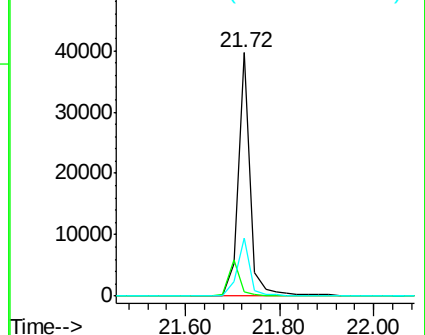
236 23.7 24.6 37.0#

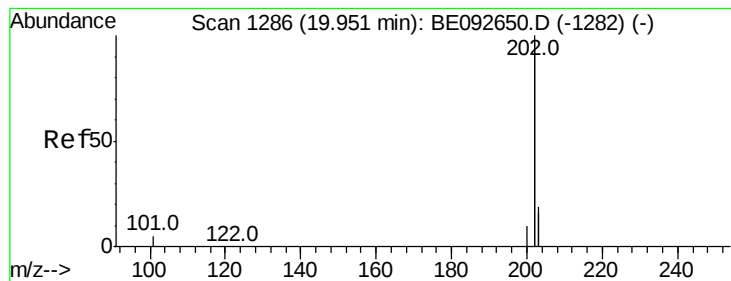


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pvrene

Concen: 0.09 ng

RT: 19.95 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

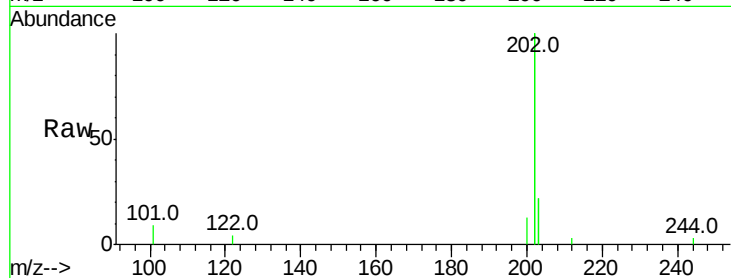
Tot Ion:202 Resp: 6361

Ion Ratio Lower Upper

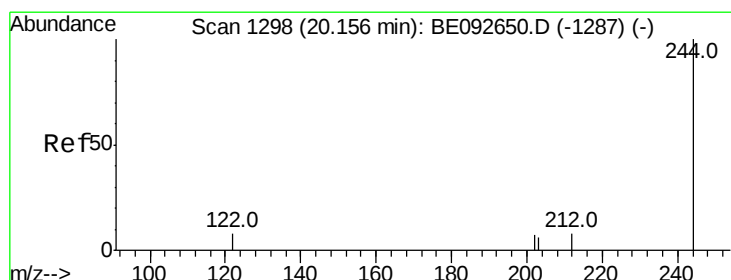
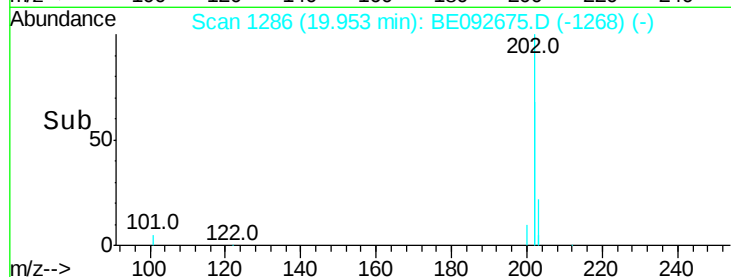
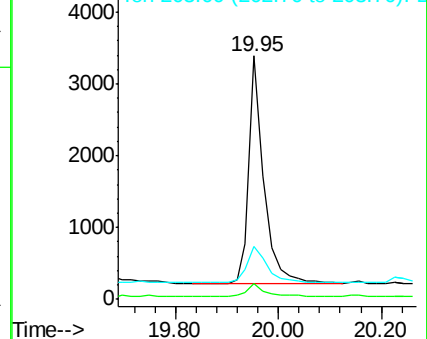
202 100

200 5.6 4.2 6.4

203 21.8 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: 0.36 ng

RT: 20.16 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

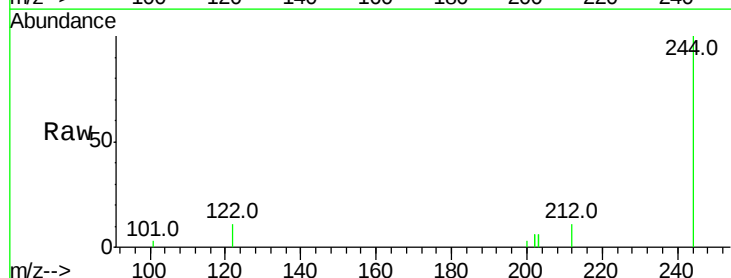
Tgt Ion:244 Resp: 3609

Ion Ratio Lower Upper

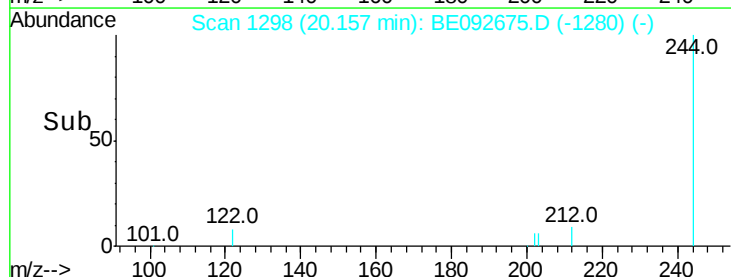
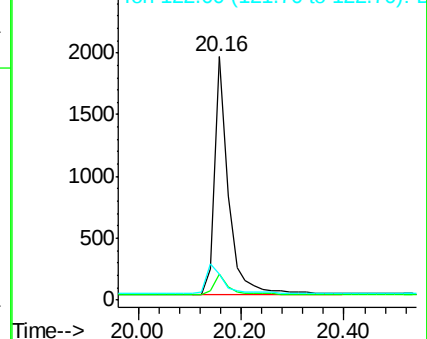
244 100

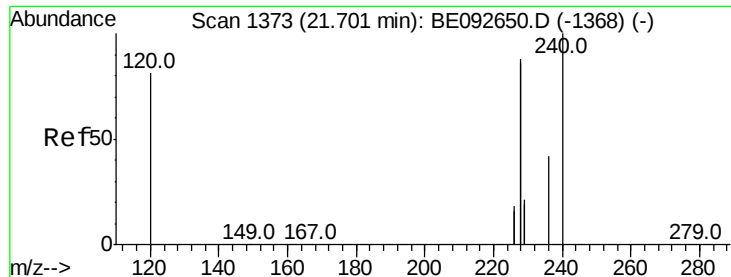
212 10.7 6.7 10.1#

122 10.6 3.6 5.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.13 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.05 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

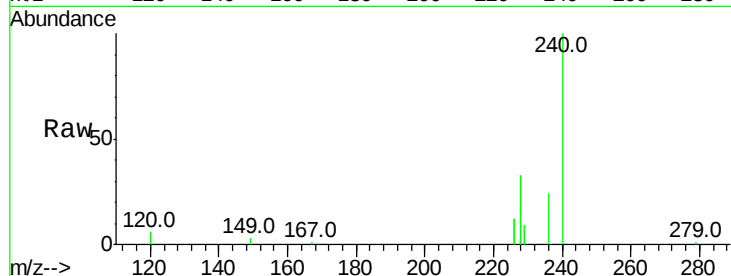
Tot Ion:228 Resp: 9010

Ion Ratio Lower Upper

228 100

226 35.1 23.6 35.4

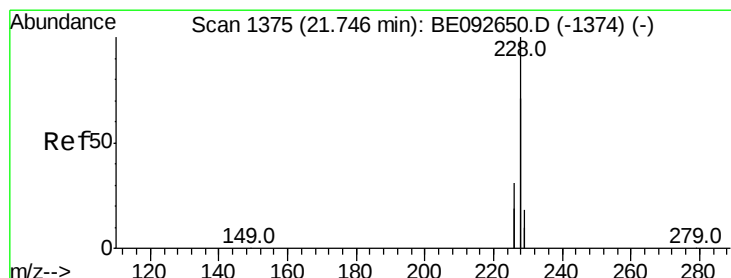
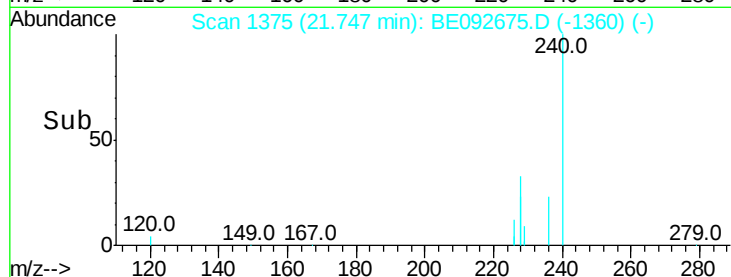
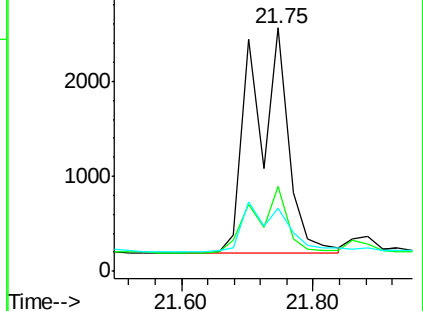
229 26.0 13.3 19.9#



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: 0.12 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

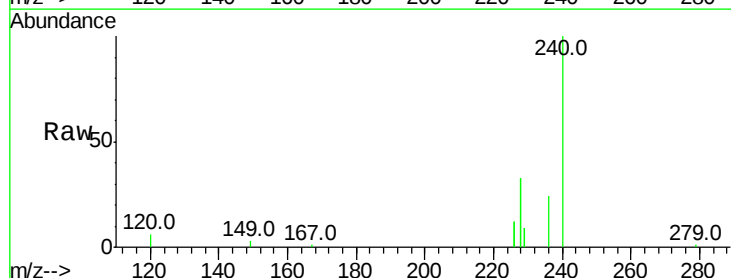
Tgt Ion:228 Resp: 9010

Ion Ratio Lower Upper

228 100

226 35.1 36.3 54.5#

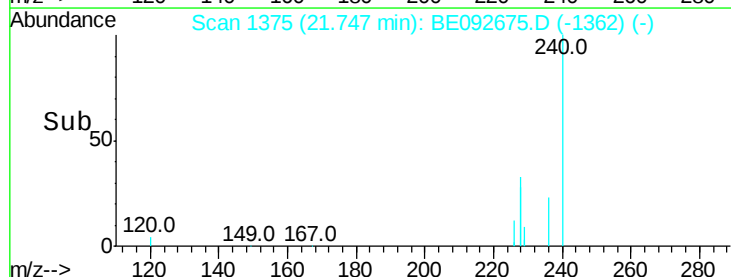
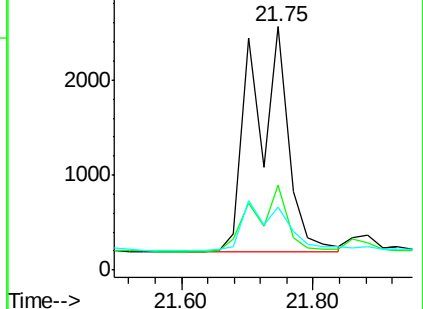
229 26.0 10.6 16.0#

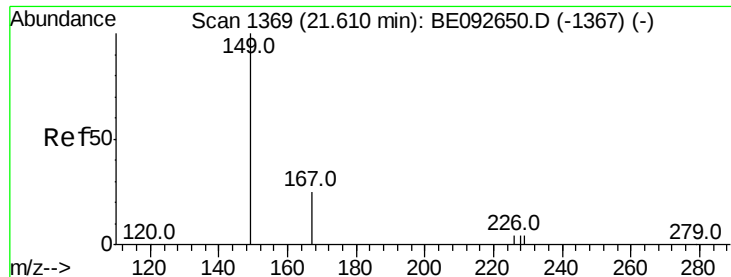


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampled :

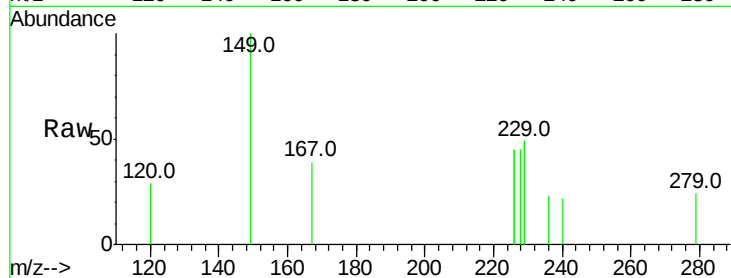
Tot Ion:149 Resp: 185

Ion Ratio Lower Upper

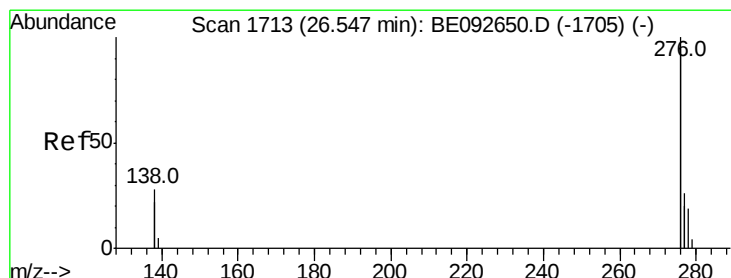
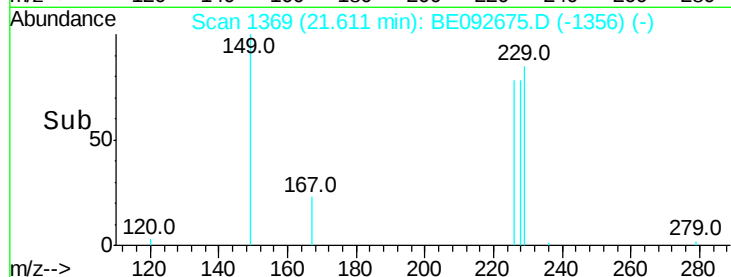
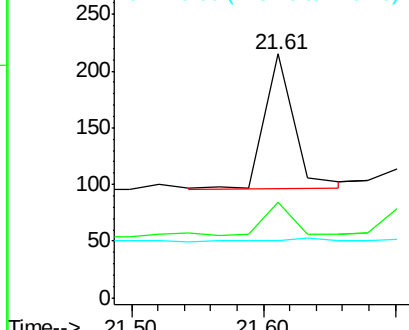
149 100

167 30.8 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: 0.03 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.03 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

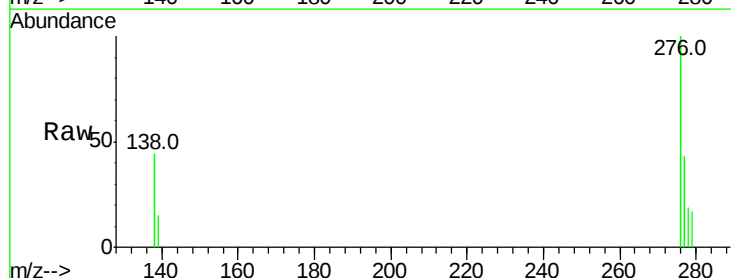
Tgt Ion:276 Resp: 2482

Ion Ratio Lower Upper

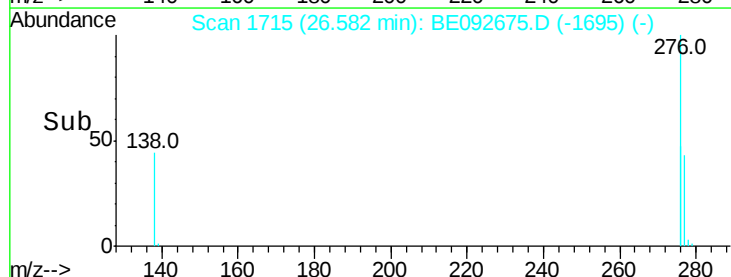
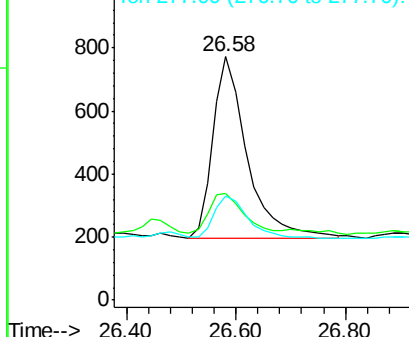
276 100

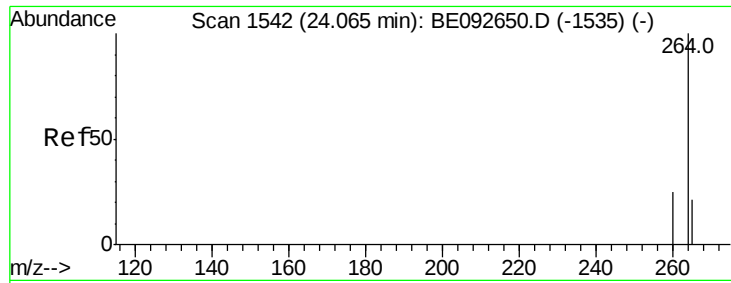
138 21.5 20.3 30.5

277 22.3 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

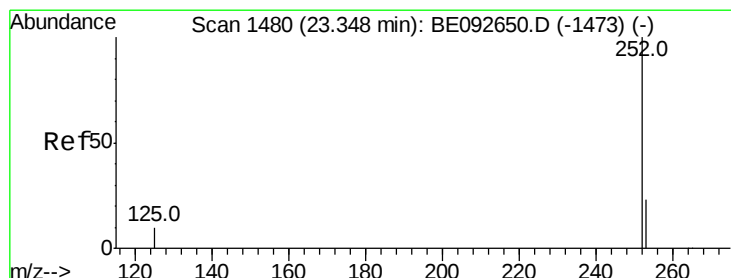
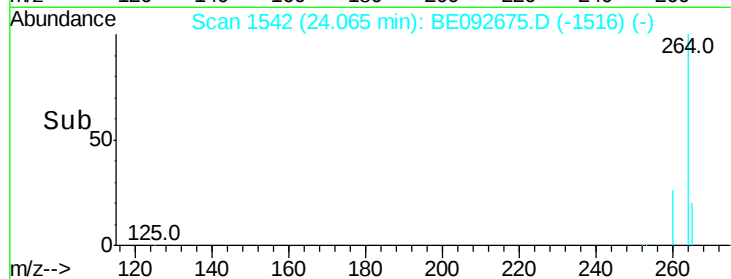
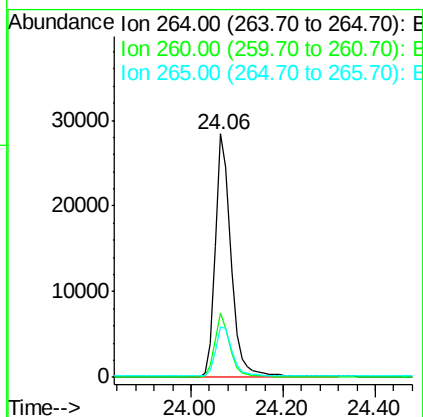
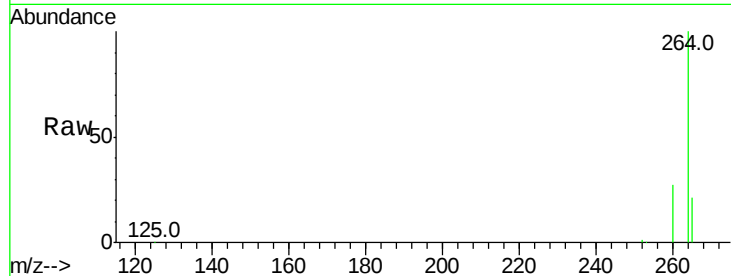




#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092675.D
Acq: 24 Jan 2017 21:03

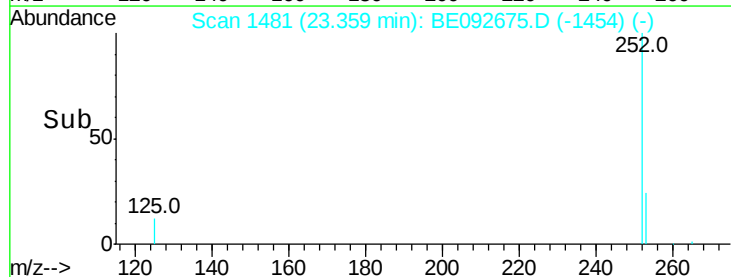
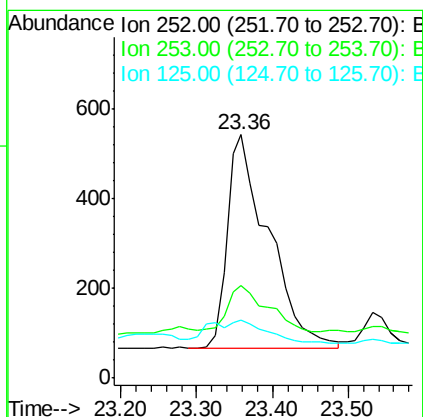
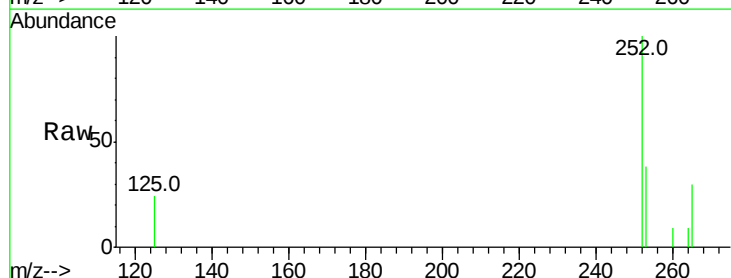
Instrument :
BNA_E
ClientSampleId :

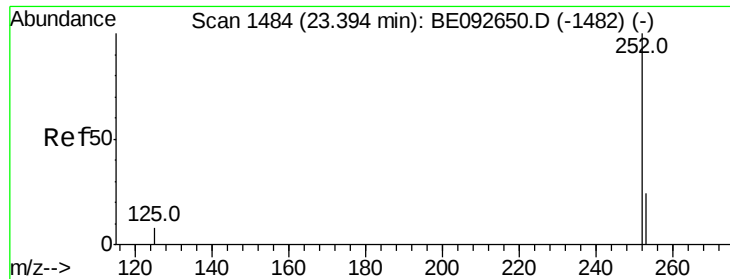
Tot Ion:264 Resp: 67434
Ion Ratio Lower Upper
264 100
260 26.6 20.1 30.1
265 20.7 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 0.11 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BE092675.D
Acq: 24 Jan 2017 21:03

Tgt Ion:252 Resp: 1800
Ion Ratio Lower Upper
252 100
253 38.3 18.7 28.1#
125 23.8 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.11 ng

RT: 23.36 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

Instrument :

BNA_E

ClientSampleId :

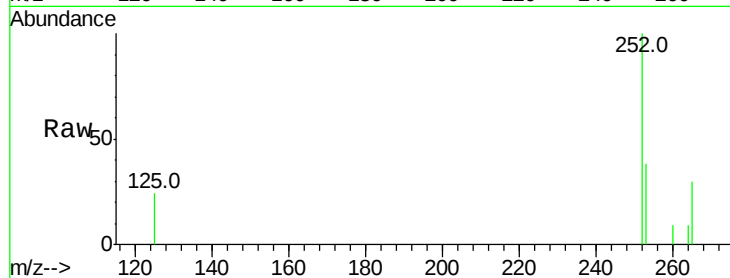
Tot Ion:252 Resp: 1800

Ion Ratio Lower Upper

252 100

253 38.3 20.3 30.5#

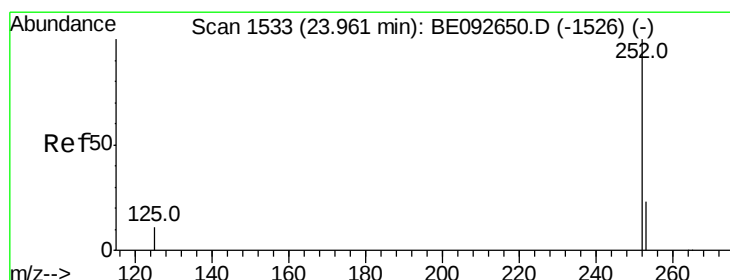
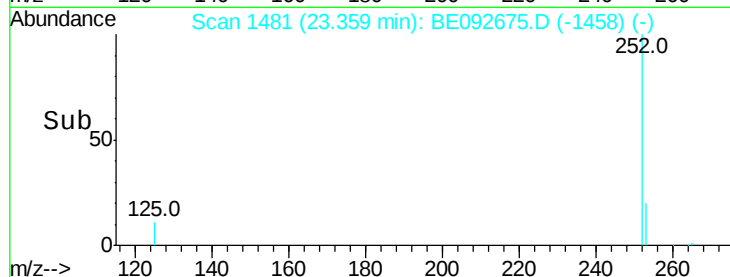
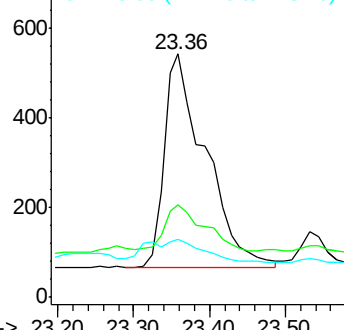
125 23.8 9.6 14.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 0.06 ng

RT: 23.96 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BE092675.D

Acq: 24 Jan 2017 21:03

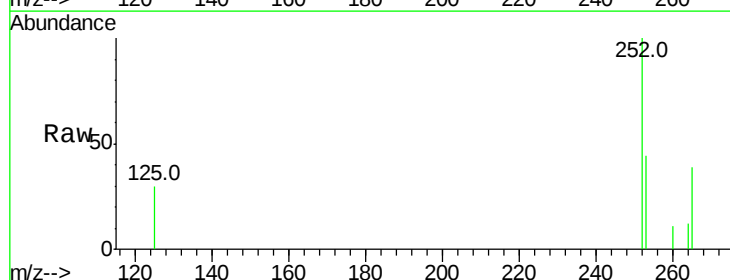
Tgt Ion:252 Resp: 899

Ion Ratio Lower Upper

252 100

253 43.6 19.0 28.6#

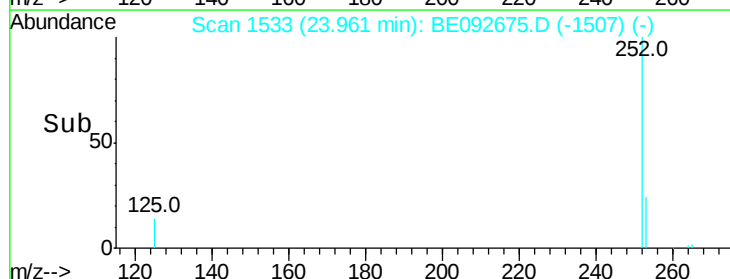
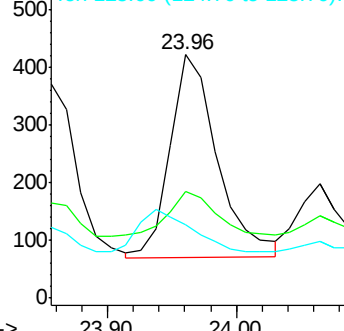
125 29.9 11.8 17.8#

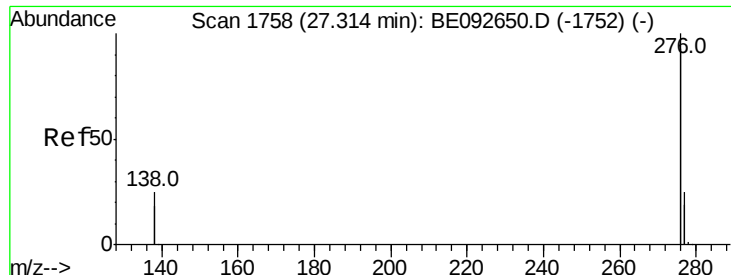


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

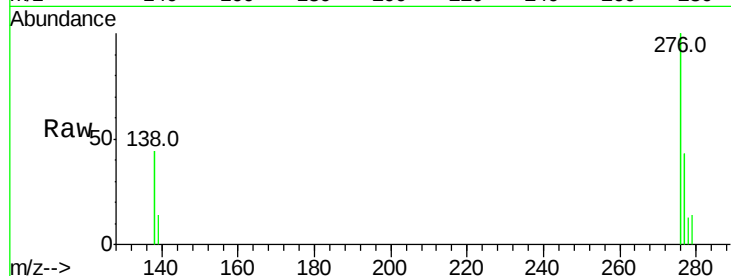




#36
 Benzo(a,h,i)perylene
 Concen: 0.04 ng
 RT: 27.35 min Scan# 1760
 Delta R.T. 0.03 min
 Lab File: BE092675.D
 Acq: 24 Jan 2017 21:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	43.5	19.8	29.8#
138	44.0	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

