

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050917\
 Data File : BE092961.D
 Acq On : 9 May 2017 12:56
 Operator : SJ/MA
 Sample : PB98776BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 09 17:13:21 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE050517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 15:34:16 2017
 Response via : Initial Calibration

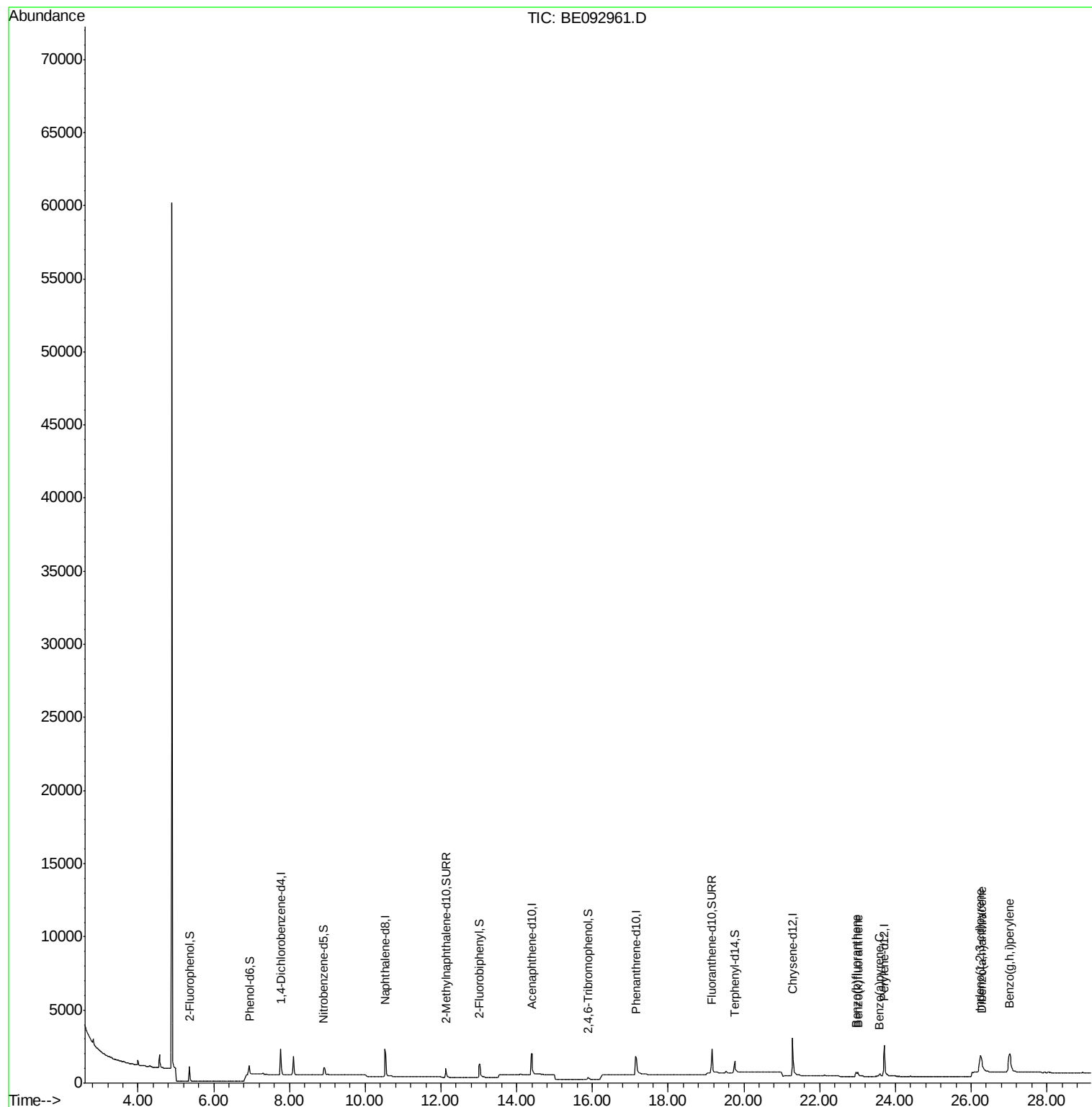
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	916	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3442	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1456	0.40	ng	0.02
19) Phenanthrene-d10	17.16	188	3049	0.40	ng	0.02
26) Chrysene-d12	21.28	240	4064	0.40	ng	0.00
33) Perylene-d12	23.70	264	3741	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	757	0.37	ng	0.00
5) Phenol-d6	6.94	99	800	0.28	ng	0.00
8) Nitrobenzene-d5	8.90	82	656	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1101	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	85	0.37	ng	0.01
15) 2-Fluorobiphenyl	13.02	172	1686	0.25	ng	0.02
24) Fluoranthene-d10	19.15	212	2640	0.37	ng	0.00
28) Terphenyl-d14	19.76	244	1757	0.25	ng	0.02
Target Compounds						Qvalue
32) Indeno(1,2,3-cd)pyrene	26.24	276	3513	0.08	ng	98
34) Benzo(b)fluoranthene	22.96	252	541	0.04	ng	# 81
35) Benzo(k)fluoranthene	23.01	252	595	0.05	ng	# 84
36) Benzo(a)pyrene	23.59	252	312	0.03	ng	# 69
37) Dibenzo(a,h)anthracene	26.27	278	695	0.06	ng	# 91
38) Benzo(g,h,i)perylene	27.02	276	3926	0.08	ng	97

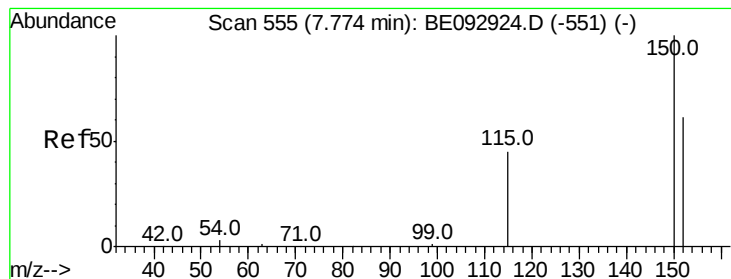
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

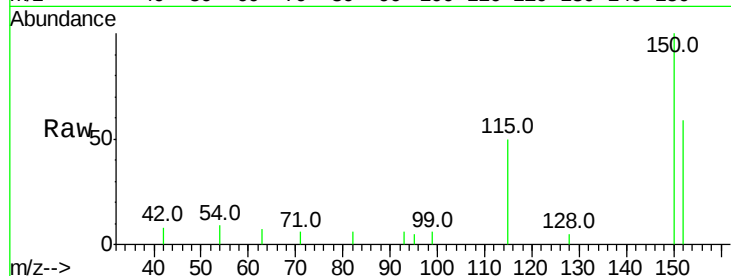
Tot Ion:152 Resp: 916

Ion Ratio Lower Upper

152 100

150 168.3 129.9 194.9

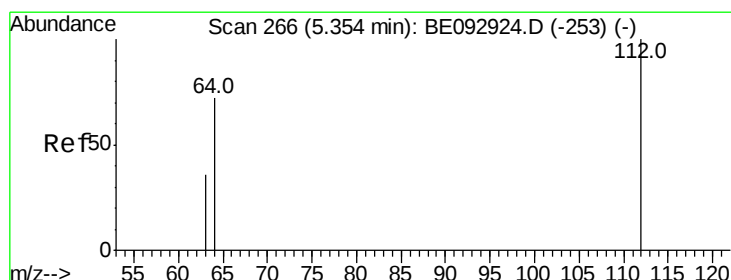
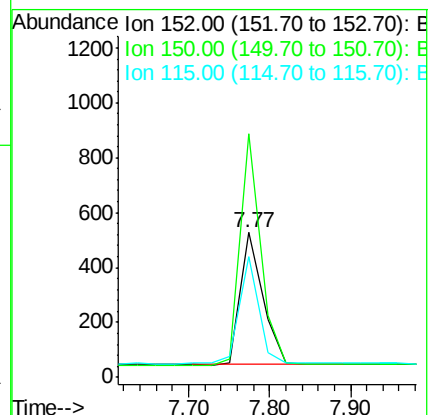
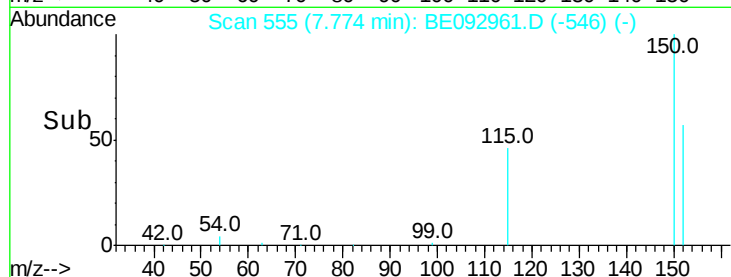
115 83.5 62.6 93.8



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: 0.37 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

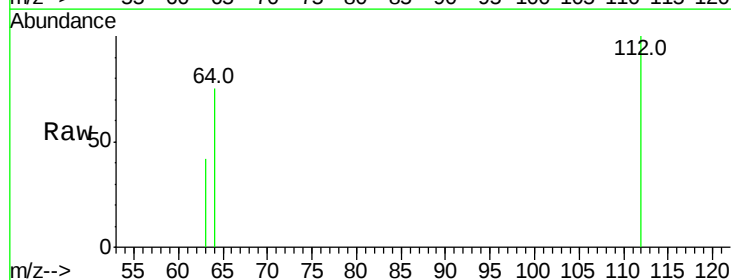
Tgt Ion:112 Resp: 757

Ion Ratio Lower Upper

112 100

64 69.9 52.6 79.0

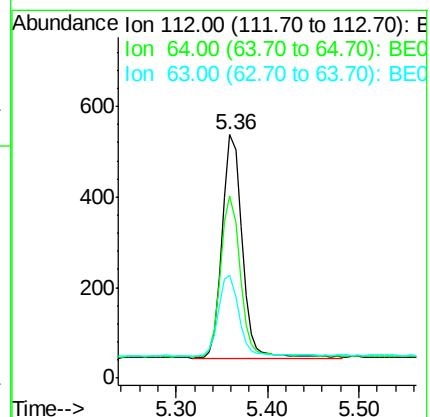
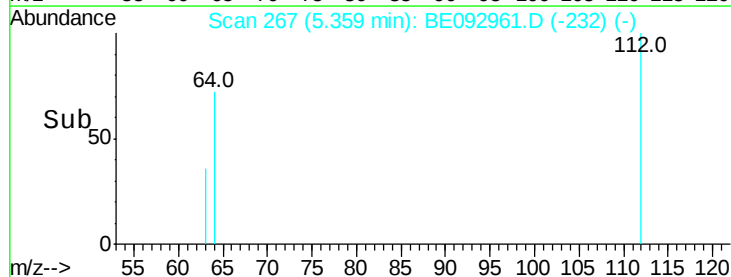
63 35.4 29.0 43.4

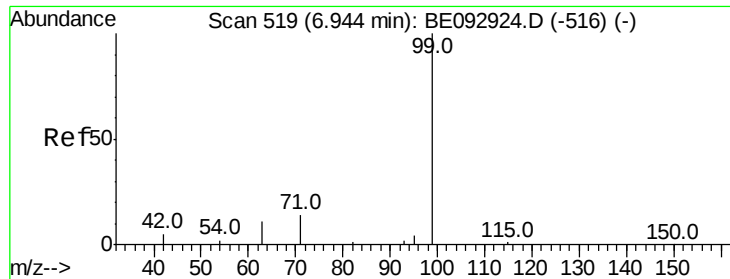


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.28 ng

RT: 6.94 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

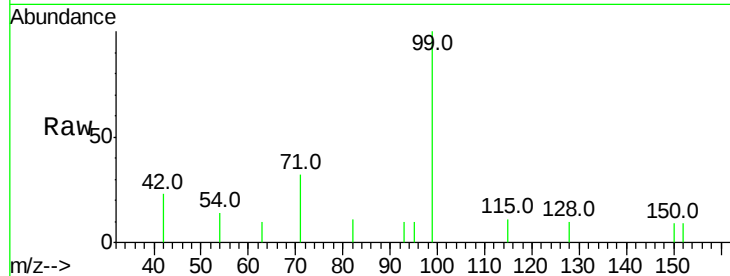
Tot Ion: 99 Resp: 800

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

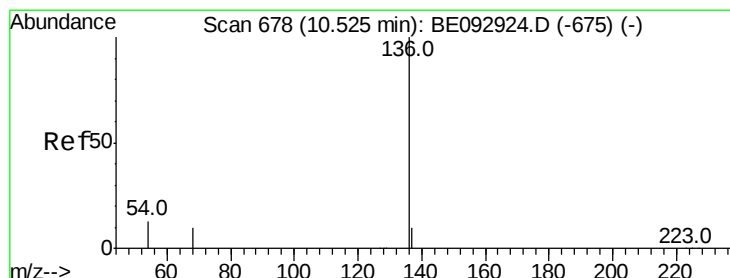
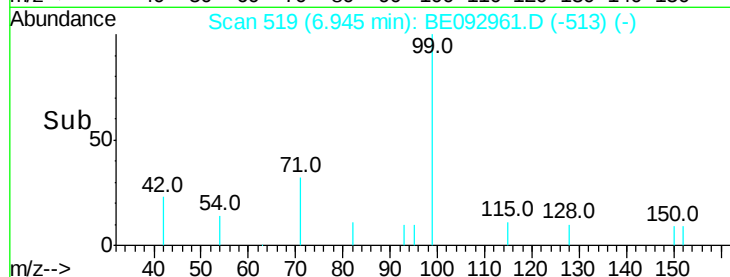
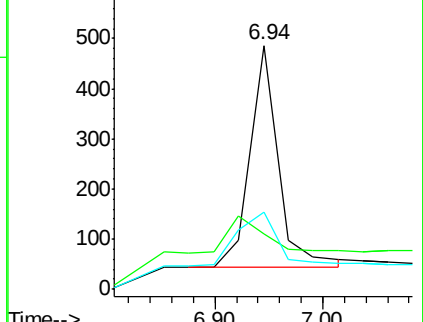
71 35.1 0.0 0.0#



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: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Tgt Ion:136 Resp: 3442

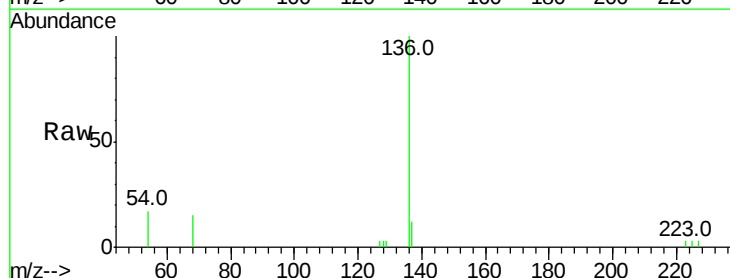
Ion Ratio Lower Upper

136 100

137 12.5 10.4 15.6

54 17.3 12.6 18.8

68 14.6 10.7 16.1

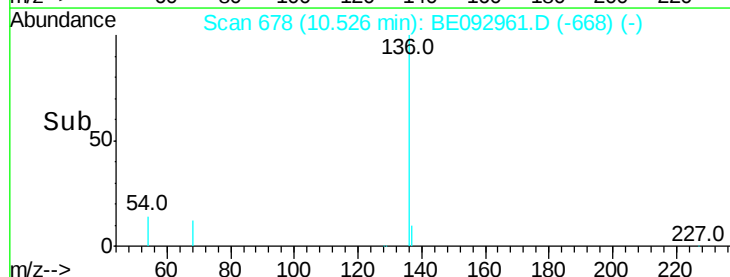
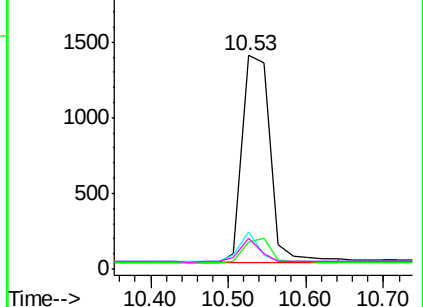


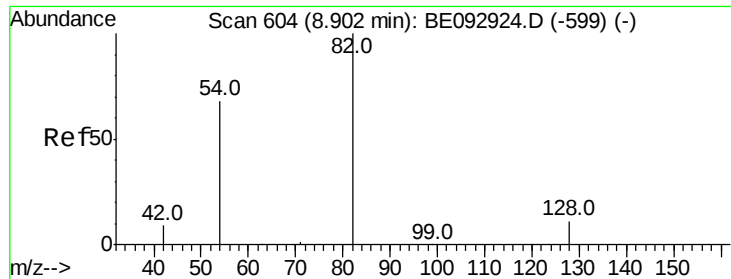
Abundance Ion 136.00 (135.70 to 136.70): E

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

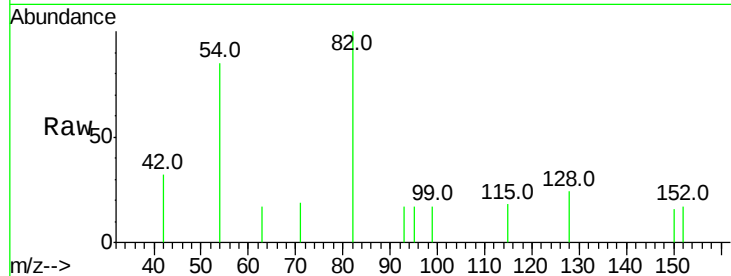




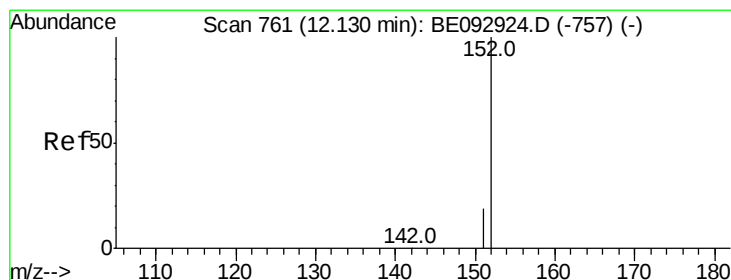
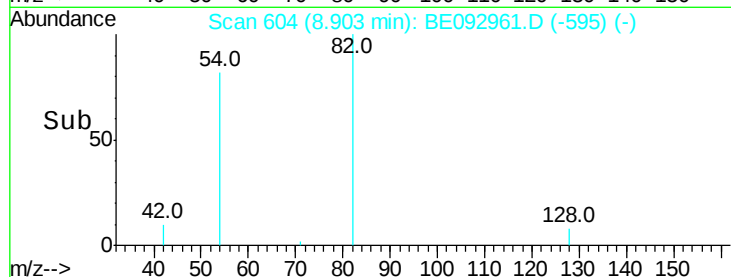
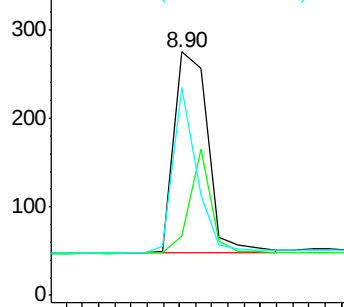
#8
 Nitrobenzene-d5
 Concen: 0.28 ng
 RT: 8.90 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BE092961.D
 Acq: 9 May 2017 12:56

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 82 Resp: 656
 Ion Ratio Lower Upper
 82 100
 128 24.4 35.3 52.9#
 54 85.5 65.1 97.7

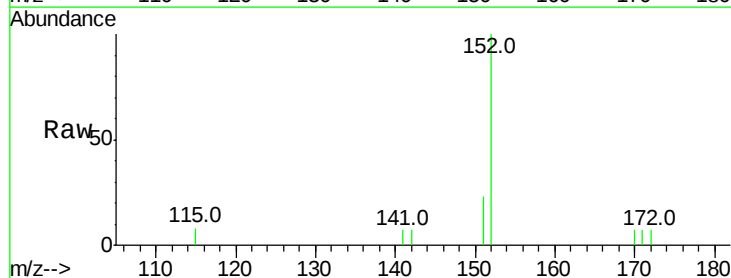


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

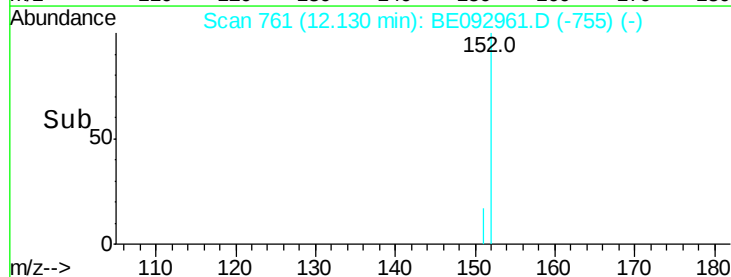
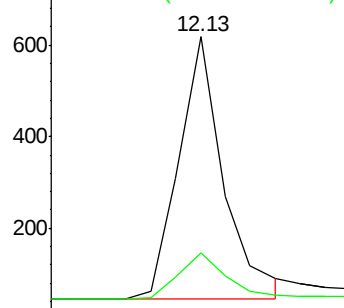


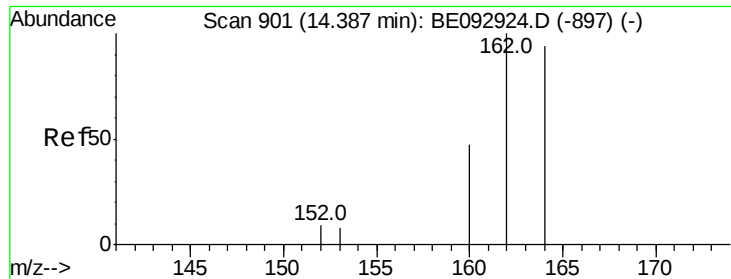
#11
 2-Methylnaphthalene-d10
 Concen: 0.22 ng
 RT: 12.13 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BE092961.D
 Acq: 9 May 2017 12:56

Tgt Ion: 152 Resp: 1101
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.40 min Scan# 902

Delta R.T. 0.02 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

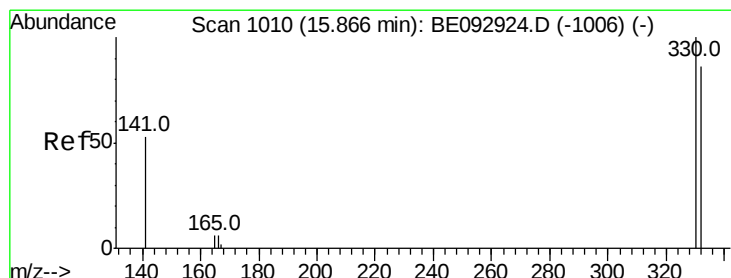
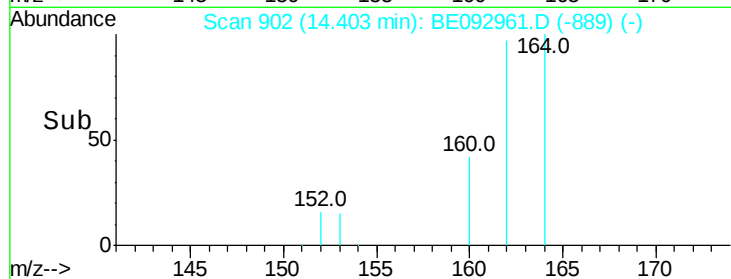
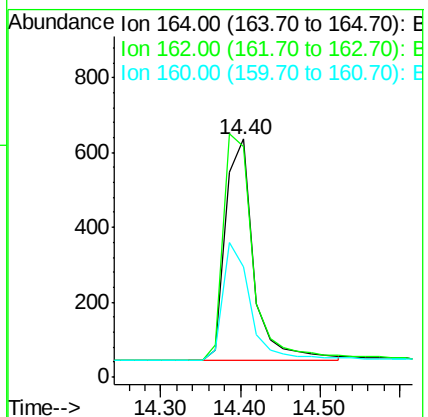
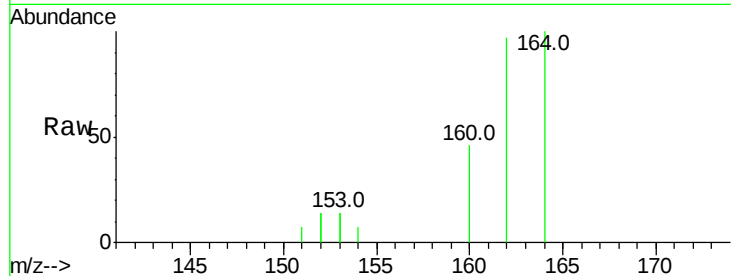
Tot Ion:164 Resp: 1456

Ion Ratio Lower Upper

164 100

162 96.9 86.6 130.0

160 46.5 44.5 66.7



#14

2,4,6-Tribromophenol

Concen: 0.37 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

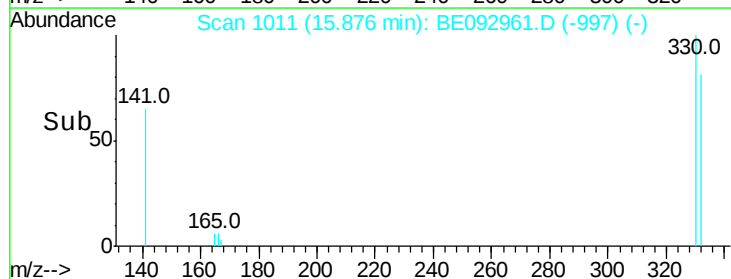
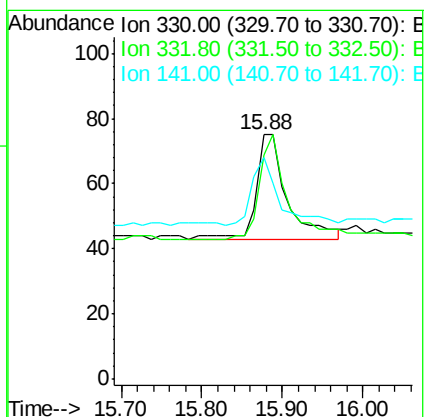
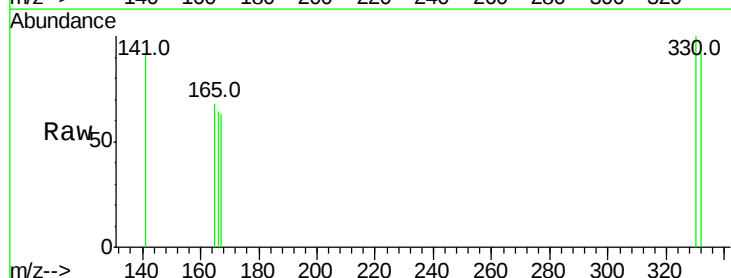
Tgt Ion:330 Resp: 85

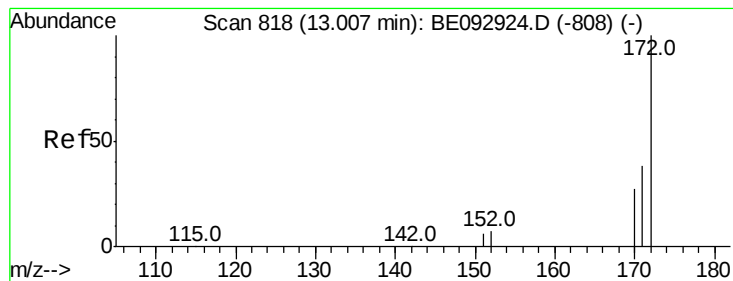
Ion Ratio Lower Upper

330 100

332 91.8 69.1 103.7

141 60.0 54.6 81.8





#15

2-Fluorobiphenyl

Concen: 0.25 ng

RT: 13.02 min Scan# 819

Delta R.T. 0.02 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

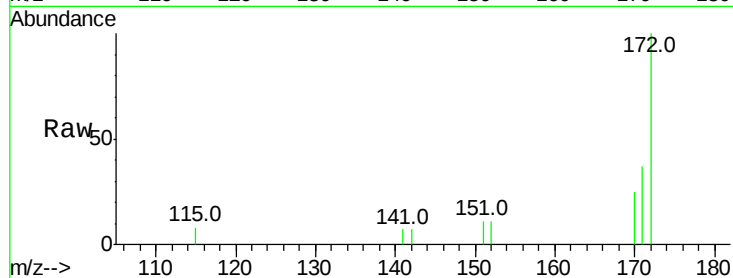
Tot Ion:172 Resp: 1686

Ion Ratio Lower Upper

172 100

171 36.9 35.8 53.6

170 25.2 28.5 42.7#



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

13.02

600

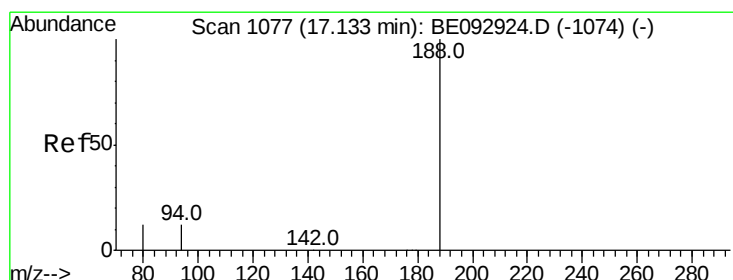
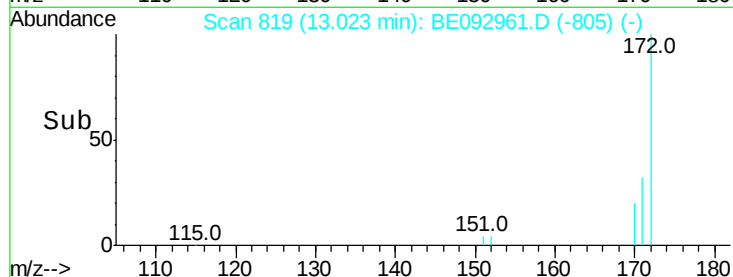
400

200

0

12.80 13.00 13.20

Time-->



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.16 min Scan# 1079

Delta R.T. 0.02 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

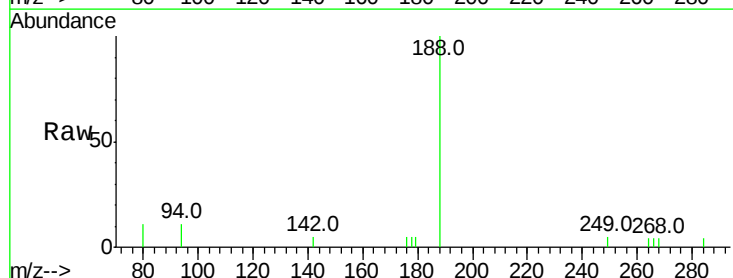
Tgt Ion:188 Resp: 3049

Ion Ratio Lower Upper

188 100

94 10.5 10.2 15.4

80 10.6 10.6 15.8



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

17.16

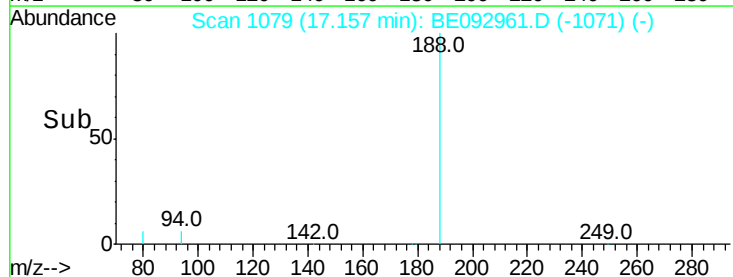
1000

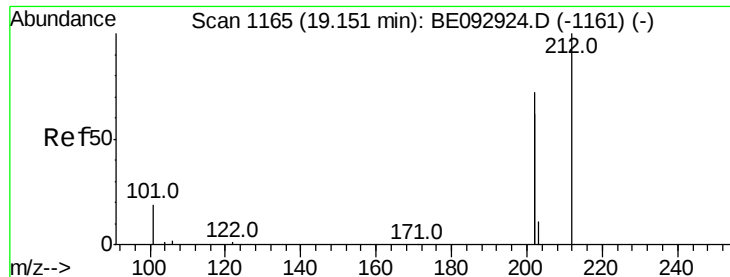
500

0

17.00 17.10 17.20

Time-->





#24

Fluoranthene-d10

Concen: 0.37 ng

RT: 19.15 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

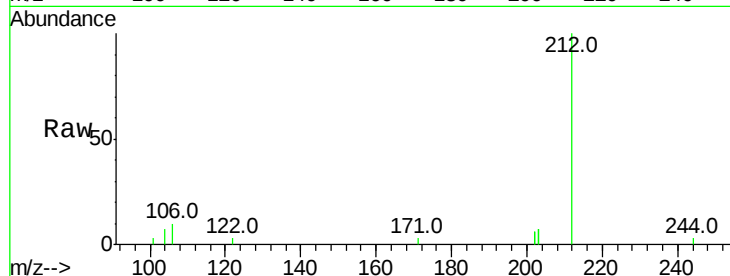
Tot Ion:212 Resp: 2640

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

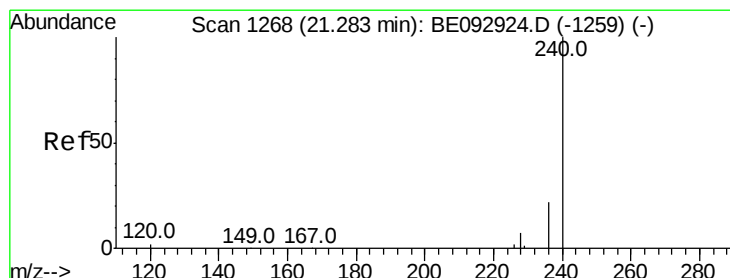
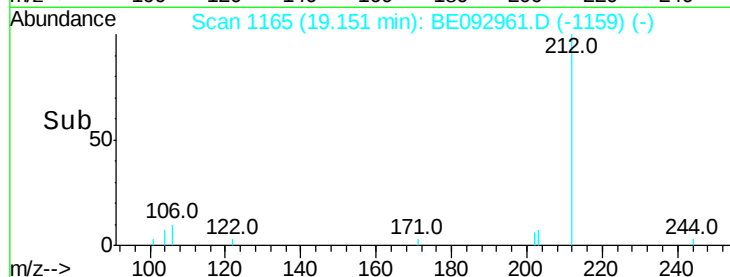
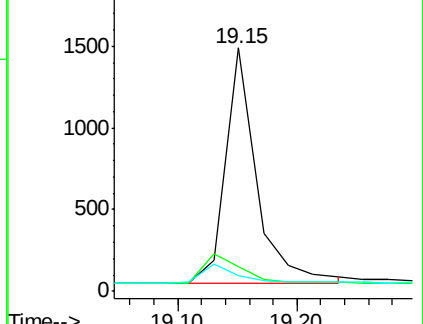
104 0.0 0.0 0.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

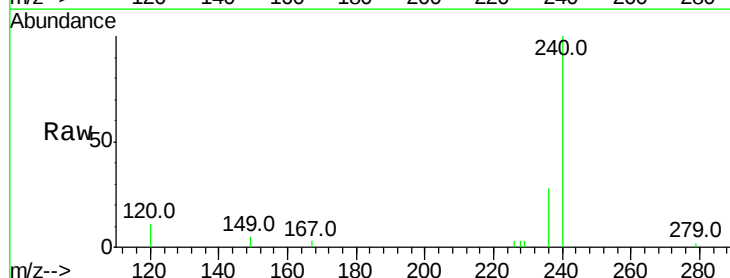
Tgt Ion:240 Resp: 4064

Ion Ratio Lower Upper

240 100

120 11.0 4.6 6.8#

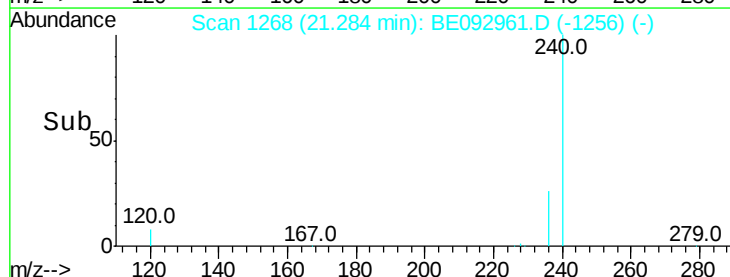
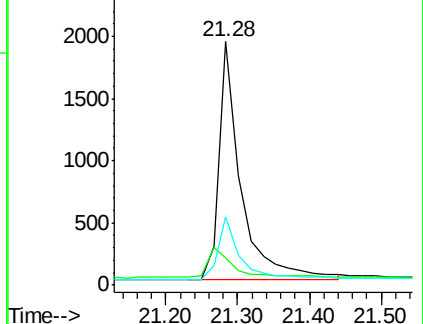
236 28.1 19.8 29.8

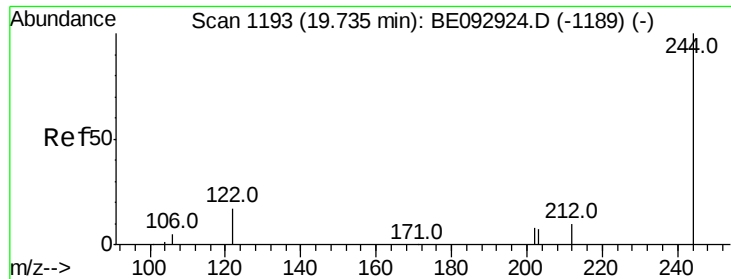


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Terphenyl-d14

Concen: 0.25 ng

RT: 19.76 min Scan# 1194

Delta R.T. 0.02 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

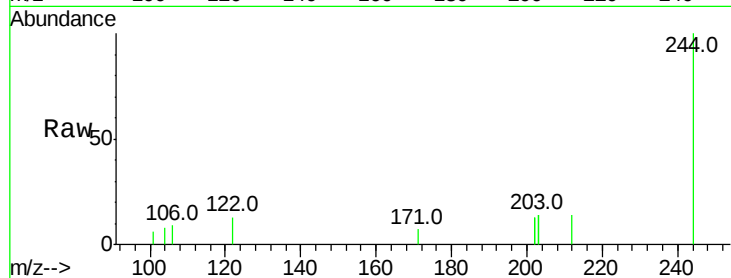
Tot Ion:244 Resp: 1757

Ion Ratio Lower Upper

244 100

212 13.7 18.4 27.6#

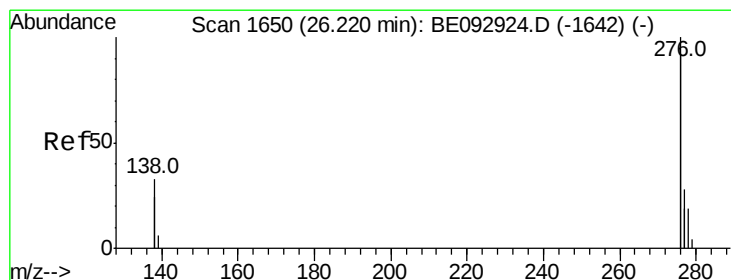
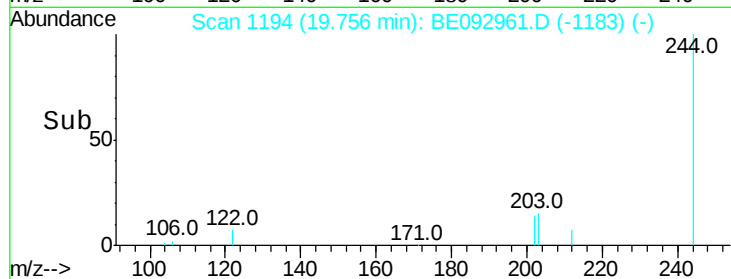
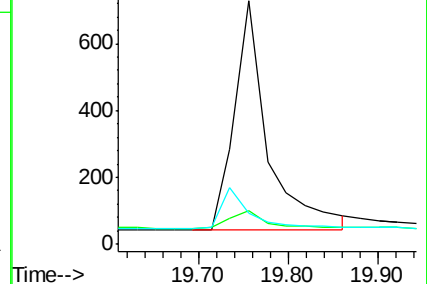
122 12.6 23.3 34.9#



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



#32

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng

RT: 26.24 min Scan# 1651

Delta R.T. 0.02 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

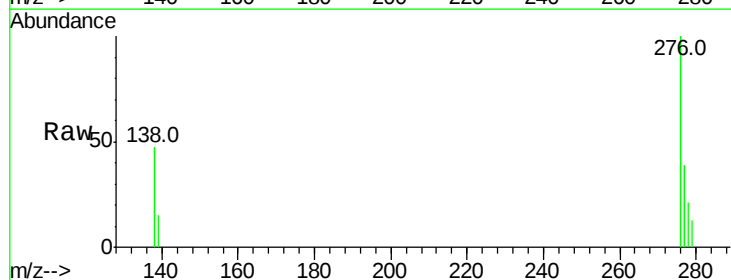
Tgt Ion:276 Resp: 3513

Ion Ratio Lower Upper

276 100

138 33.8 25.8 38.6

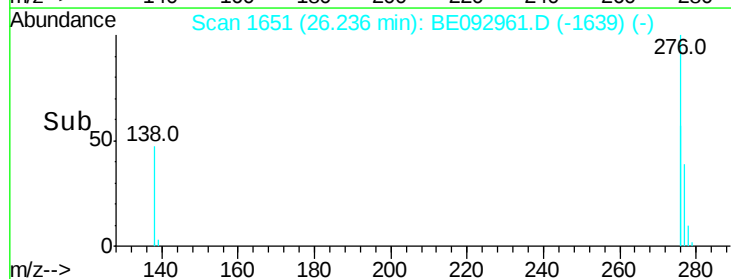
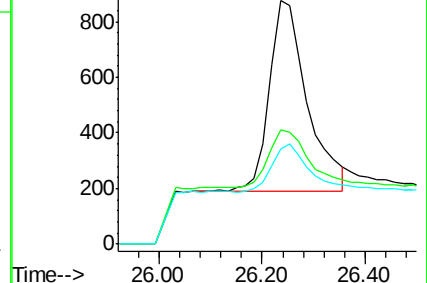
277 24.6 20.2 30.4

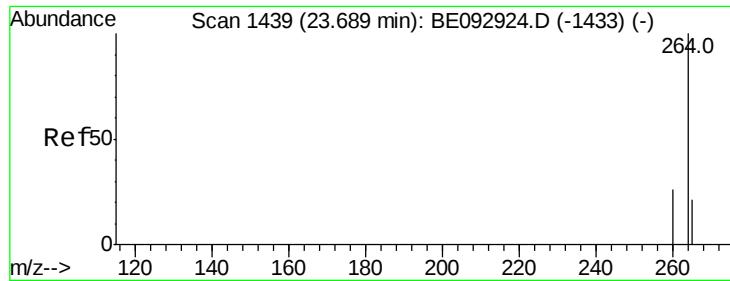


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

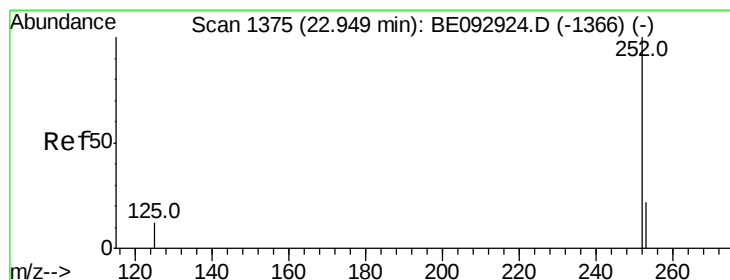
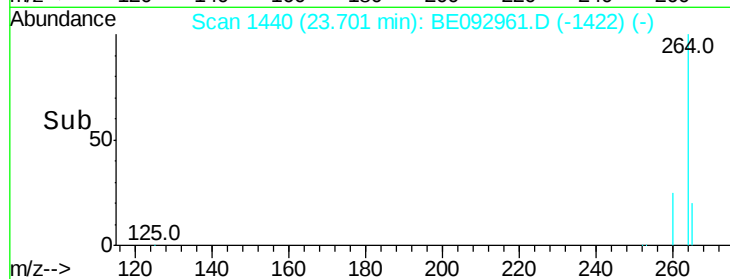
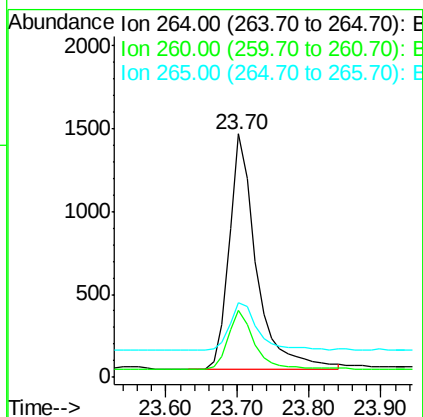
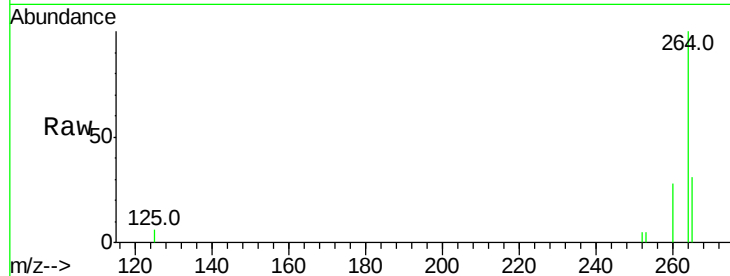




#33
Pervlene-d12
Concen: 0.40 ng
RT: 23.70 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

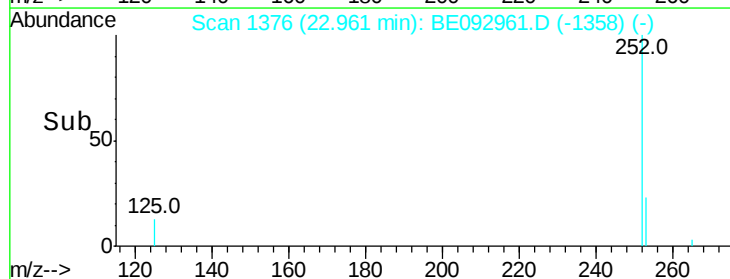
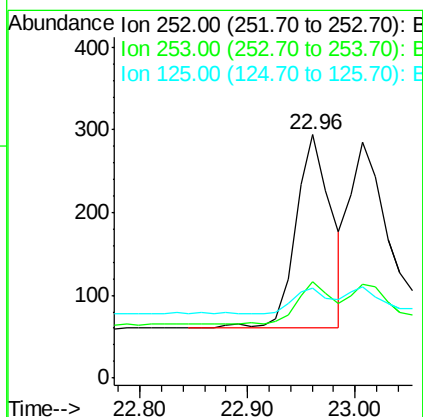
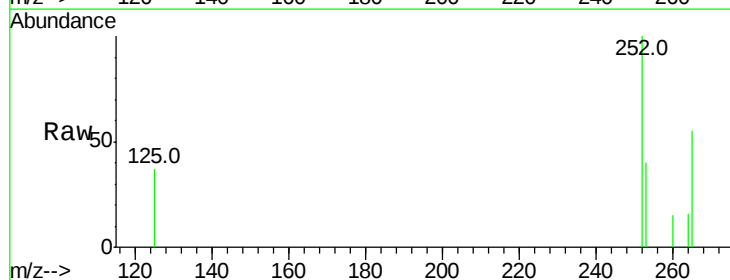
Instrument :
BNA_E
ClientSampleId :

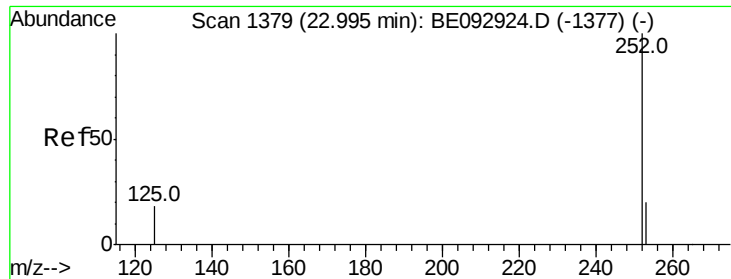
Tot Ion:264 Resp: 3741
Ion Ratio Lower Upper
264 100
260 27.7 23.5 35.3
265 30.8 27.2 40.8



#34
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 22.96 min Scan# 1376
Delta R.T. 0.01 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:252 Resp: 541
Ion Ratio Lower Upper
252 100
253 39.8 24.7 37.1#
125 36.7 20.3 30.5#





#35

Benzo(k)fluoranthene

Concen: 0.05 ng

RT: 23.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

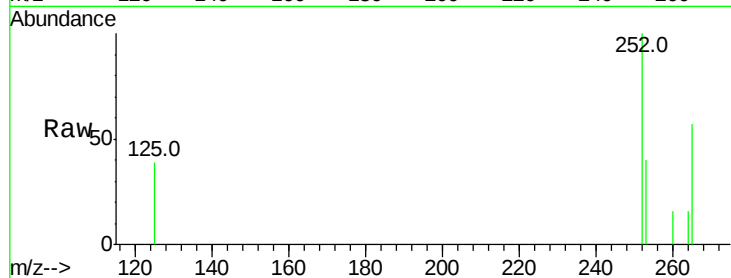
Tot Ion:252 Resp: 595

Ion Ratio Lower Upper

252 100

253 40.0 25.8 38.8#

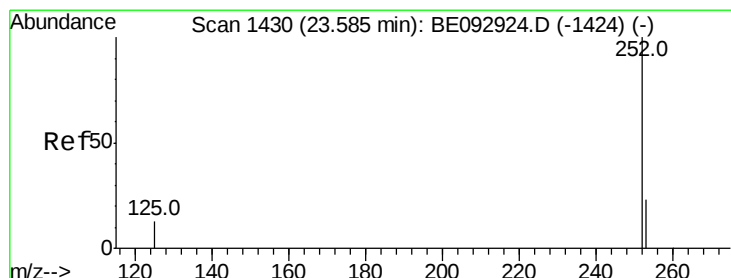
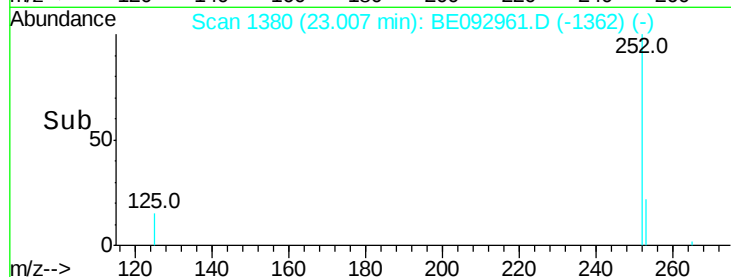
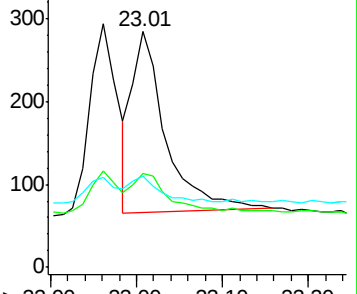
125 38.9 22.9 34.3#



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)pyrene

Concen: 0.03 ng

RT: 23.59 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

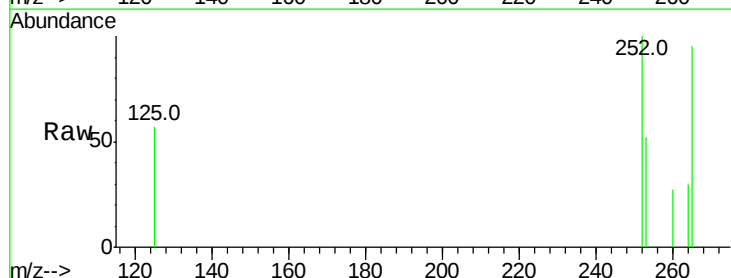
Tgt Ion:252 Resp: 312

Ion Ratio Lower Upper

252 100

253 52.0 31.3 46.9#

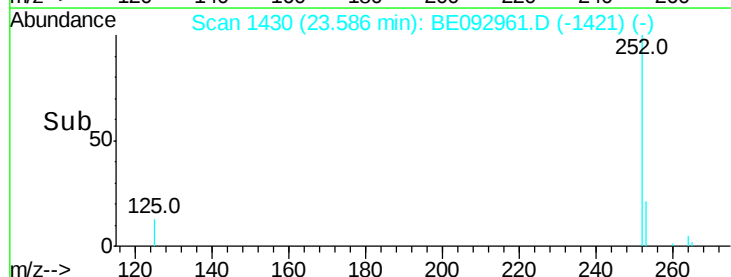
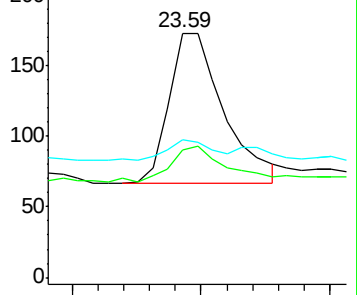
125 56.6 26.4 39.6#

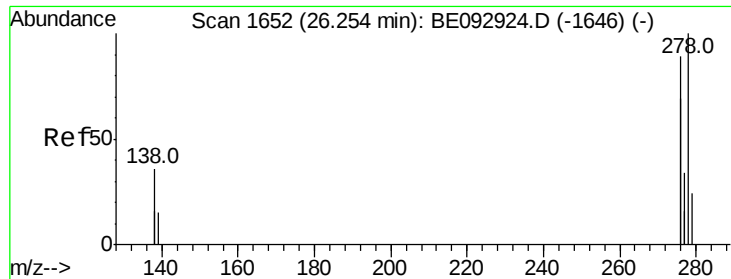


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Dibenzo(a,h)anthracene

Concen: 0.06 ng

RT: 26.27 min Scan# 1653

Delta R.T. 0.02 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

Instrument :

BNA_E

ClientSampleId :

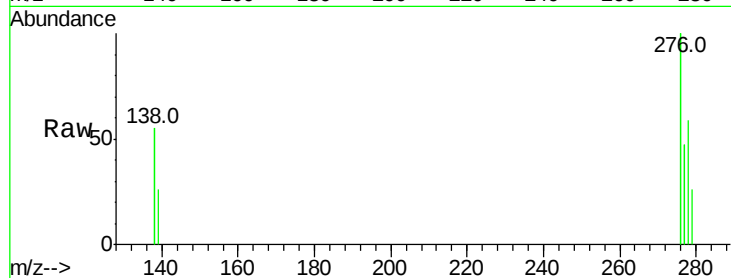
Tot Ion:278 Resp: 695

Ion Ratio Lower Upper

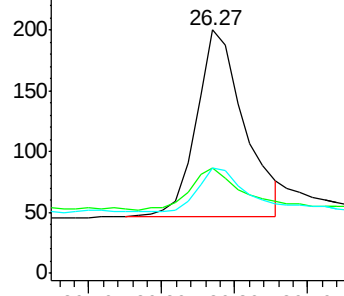
278 100

139 43.5 27.4 41.2#

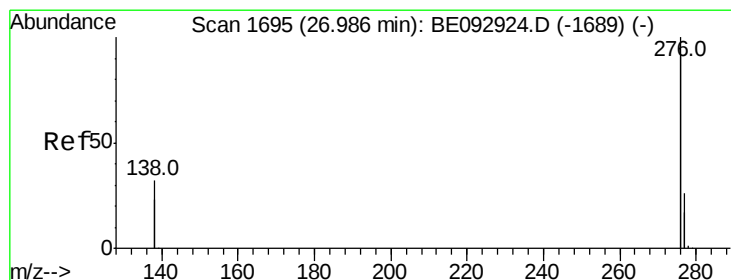
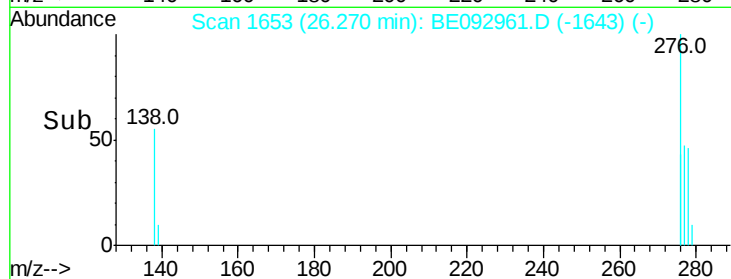
279 43.5 33.3 49.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->



#38

Benzo(g,h,i)perylene

Concen: 0.08 ng

RT: 27.02 min Scan# 1697

Delta R.T. 0.03 min

Lab File: BE092961.D

Acq: 9 May 2017 12:56

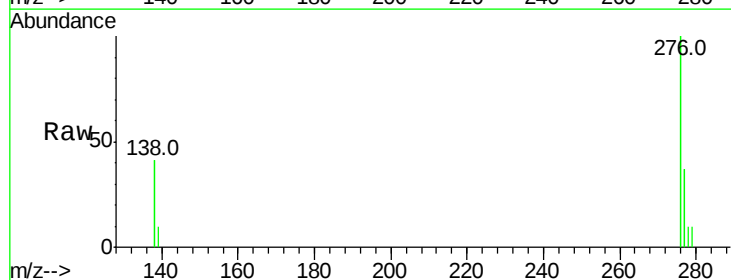
Tgt Ion:276 Resp: 3926

Ion Ratio Lower Upper

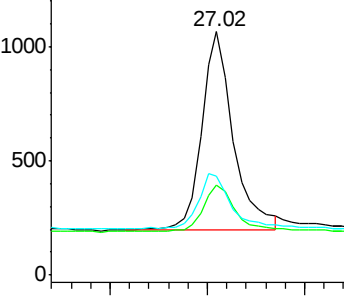
276 100

277 36.8 29.9 44.9

138 40.7 34.6 51.8



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



Time-->

