

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051017\
 Data File : BE092973.D
 Acq On : 9 May 2017 21:02
 Operator : SJ/MA
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE051017

Quant Time: May 10 03:45:11 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 10 03:43:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	744	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	3002	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1544	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3758	0.40	ng	0.00
26) Chrysene-d12	21.28	240	3709	0.40	ng	0.00
33) Perylene-d12	23.70	264	3169	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	801	0.38	ng	0.00
5) Phenol-d6	6.94	99	998	0.38	ng	0.00
8) Nitrobenzene-d5	8.90	82	915	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1664	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	136	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2242	0.39	ng	0.00
24) Fluoranthene-d10	19.15	212	3647	0.37	ng	0.00
28) Terphenyl-d14	19.73	244	2198	0.39	ng	0.00

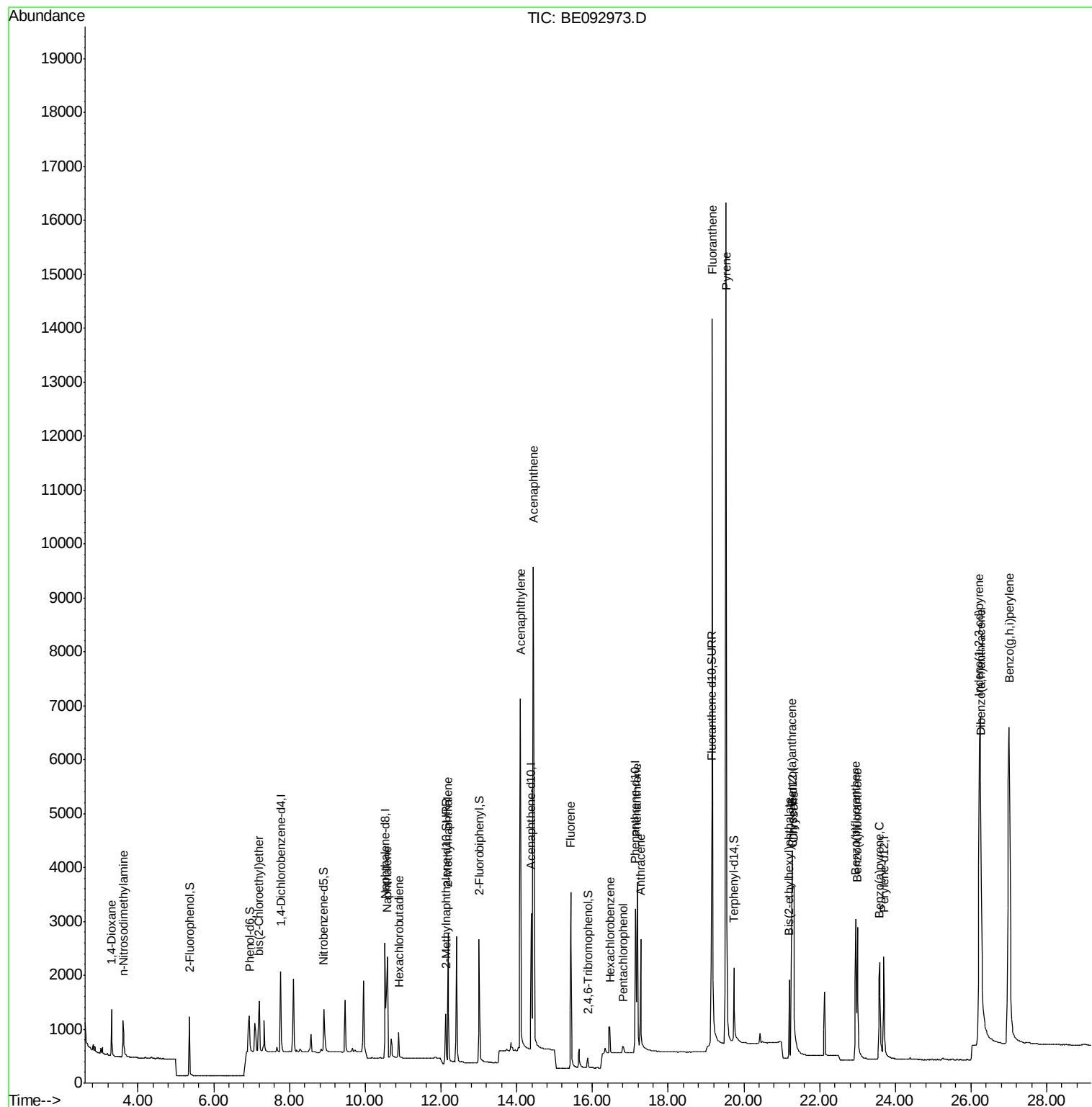
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	603	0.39	ng	97
3) n-Nitrosodimethylamine	3.61	42	514	0.40	ng	# 96
6) bis(2-Chloroethyl)ether	7.20	93	970	0.38	ng	# 100
9) Naphthalene	10.58	128	3122	0.39	ng	100
10) Hexachlorobutadiene	10.89	225	458	0.40	ng	99
12) 2-Methylnaphthalene	12.19	142	1814	0.39	ng	100
16) Acenaphthylene	14.10	152	9545	0.37	ng	100
17) Acenaphthene	14.44	154	1810	0.38	ng	98
18) Fluorene	15.43	166	2222	0.38	ng	100
20) Hexachlorobenzene	16.47	284	670	0.38	ng	# 100
21) Pentachlorophenol	16.81	266	149	0.39	ng	98
22) Phenanthrene	17.18	178	4021	0.38	ng	100
23) Anthracene	17.27	178	3075	0.36	ng	99
25) Fluoranthene	19.17	202	18175	0.36	ng	# 99
27) Pyrene	19.53	202	20139	0.41	ng	# 99
29) Benzo(a)anthracene	21.27	228	3397	0.38	ng	99
30) Chrysene	21.32	228	4740	0.40	ng	99
31) Bis(2-ethylhexyl)phthalate	21.20	149	1384	0.40	ng	100
32) Indeno(1,2,3-cd)pyrene	26.22	276	15738	0.38	ng	99
34) Benzo(b)fluoranthene	22.95	252	3715	0.38	ng	99
35) Benzo(k)fluoranthene	22.99	252	4036	0.39	ng	95
36) Benzo(a)pyrene	23.58	252	3435	0.38	ng	99
37) Dibenzo(a,h)anthracene	26.25	278	3338	0.37	ng	99
38) Benzo(g,h,i)perylene	27.00	276	15088	0.39	ng	99

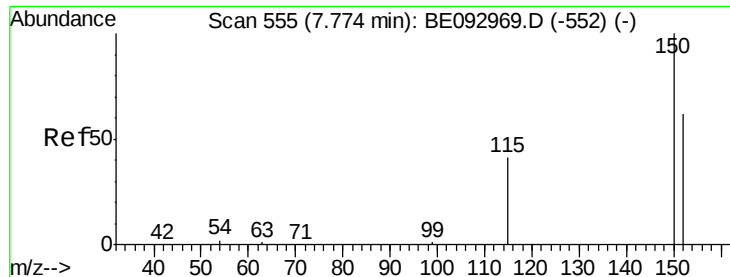
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

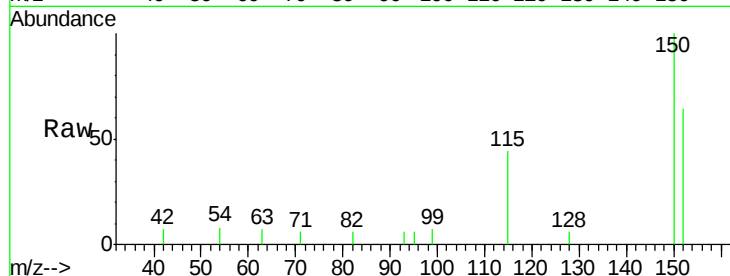
Tgt Ion:152 Resp: 744

Ion Ratio Lower Upper

152 100

150 156.8 125.1 187.7

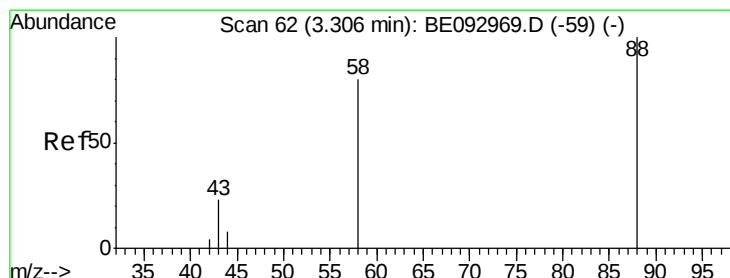
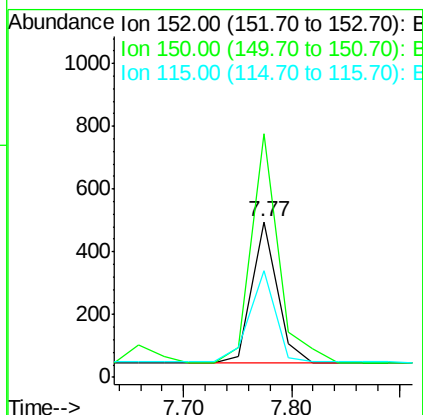
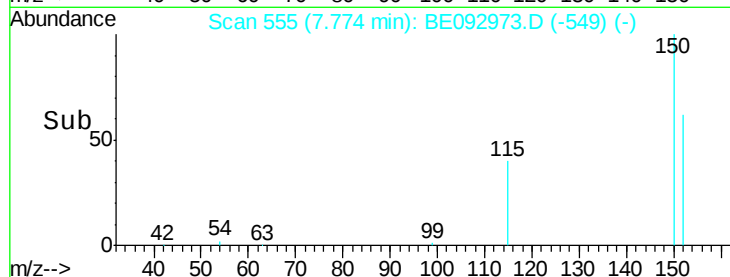
115 68.3 55.7 83.5



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: 0.39 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

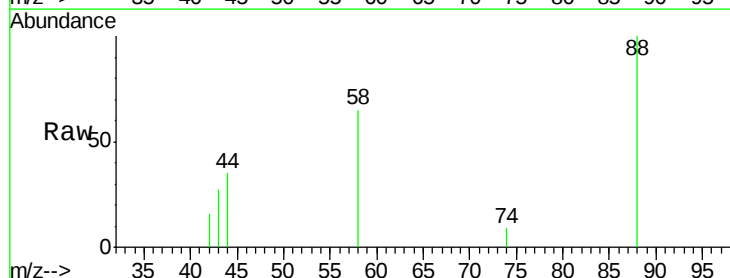
Tgt Ion: 88 Resp: 603

Ion Ratio Lower Upper

88 100

58 75.1 62.2 93.4

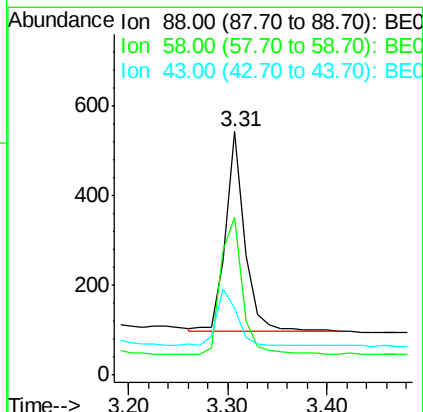
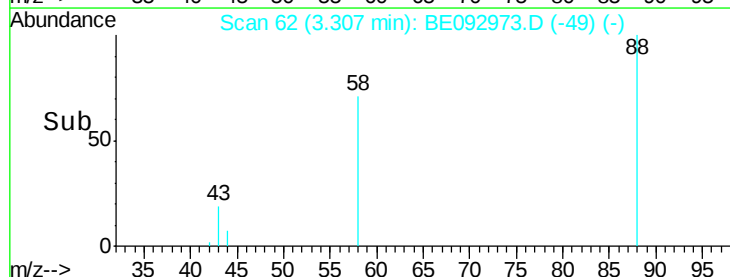
43 30.7 23.2 34.8

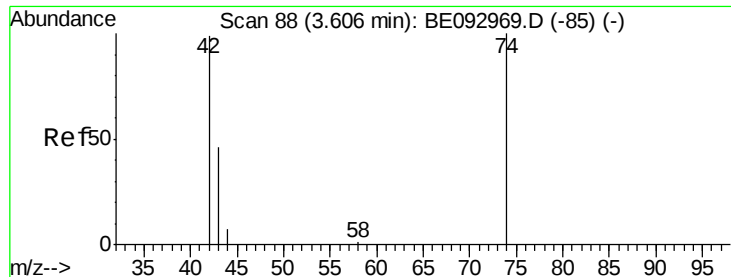


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.40 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

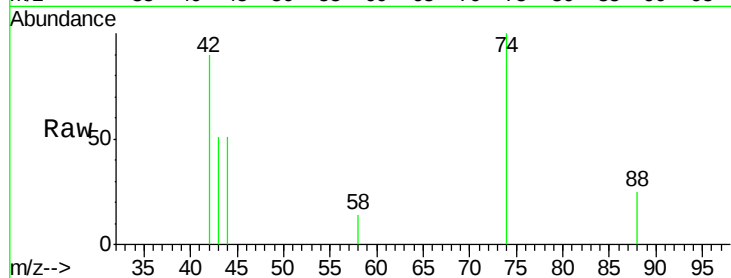
Tgt Ion: 42 Resp: 514

Ion Ratio Lower Upper

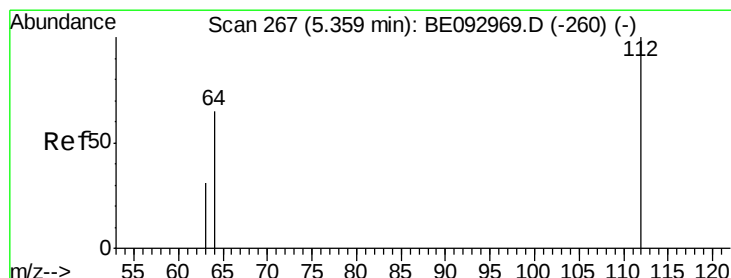
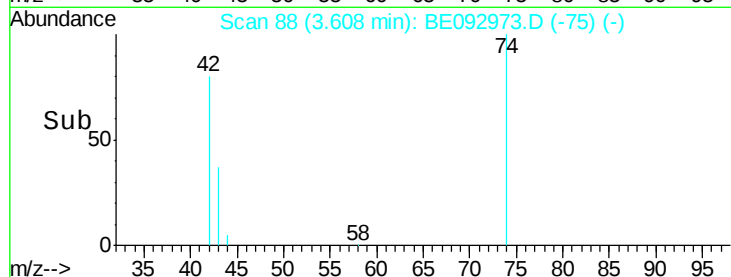
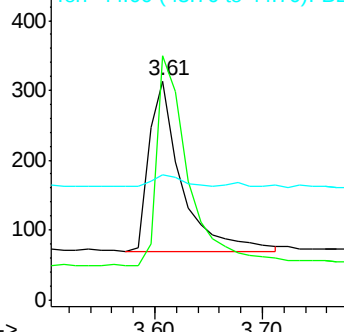
42 100

74 119.3 99.1 148.7

44 6.4 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.38 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

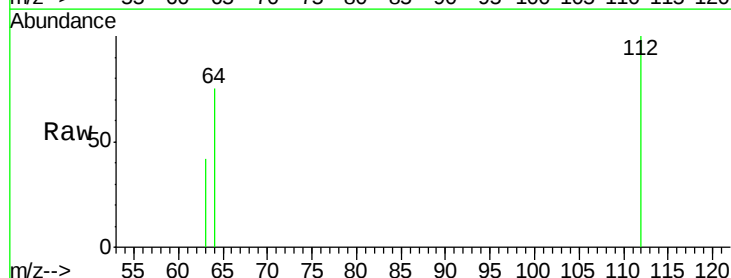
Tgt Ion: 112 Resp: 801

Ion Ratio Lower Upper

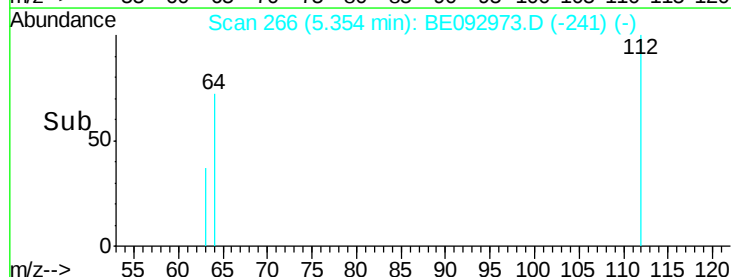
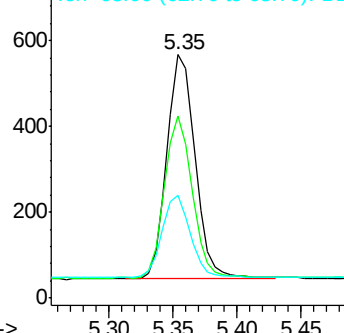
112 100

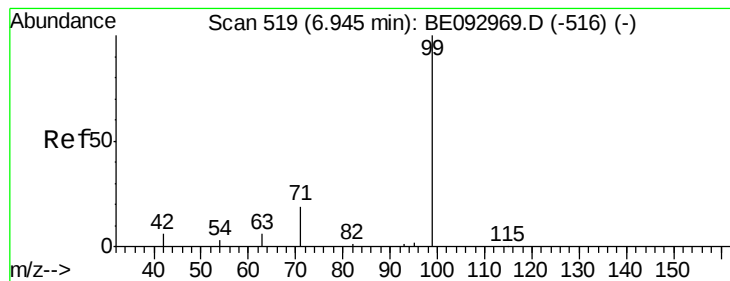
64 71.7 56.4 84.6

63 37.2 29.3 43.9



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: 0.38 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

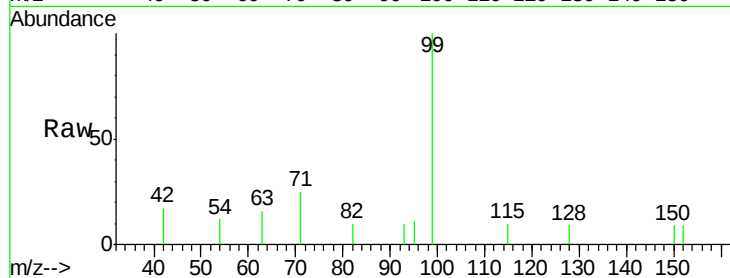
Tgt Ion: 99 Resp: 998

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

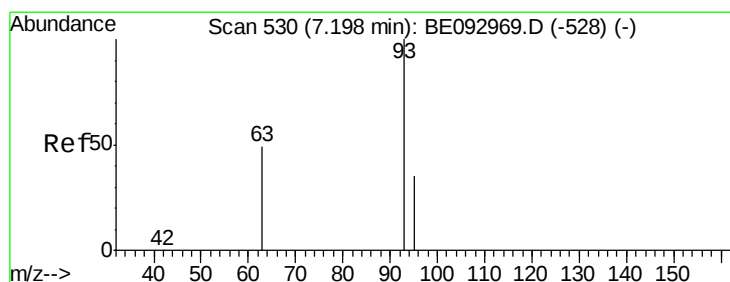
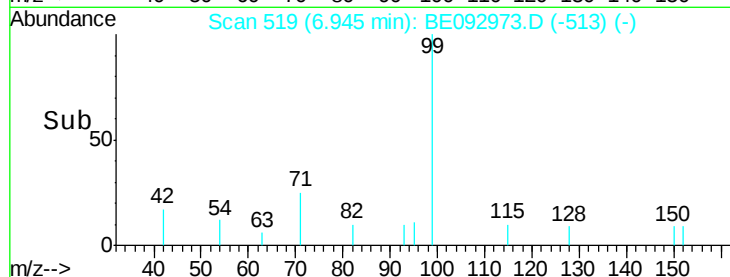
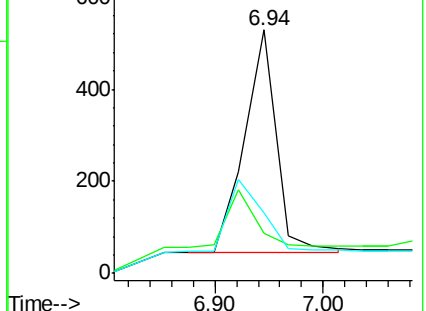
71 0.0 0.0 0.0



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



#6

bis(2-Chloroethyl)ether

Concen: 0.38 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

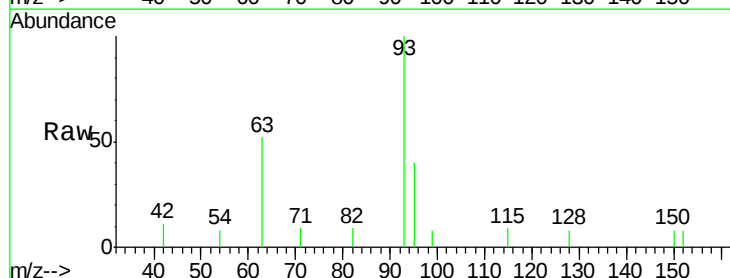
Tgt Ion: 93 Resp: 970

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

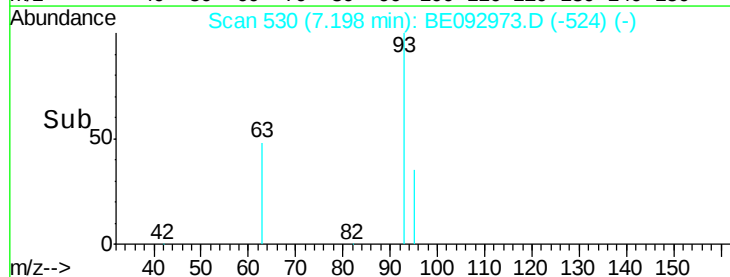
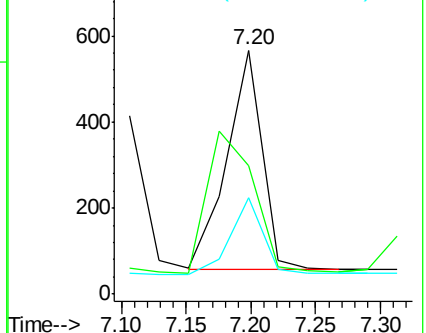
95 32.0 25.4 38.0

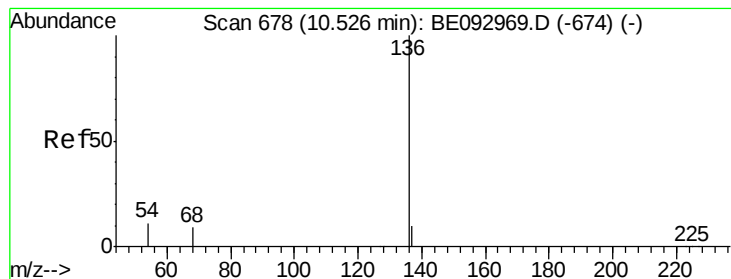


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

Tgt Ion:136 Resp: 3002

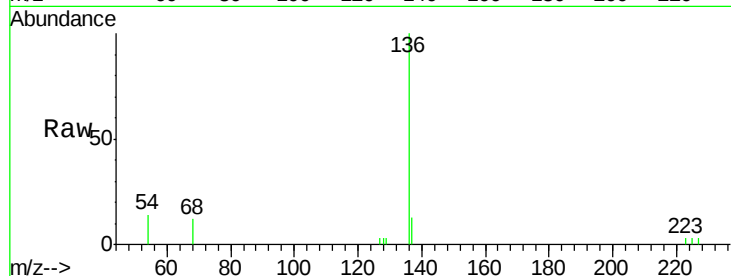
Ion Ratio Lower Upper

136 100

137 12.7 9.8 14.8

54 13.6 10.3 15.5

68 11.6 9.0 13.4

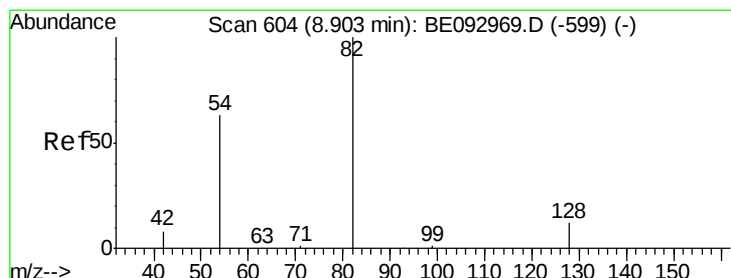
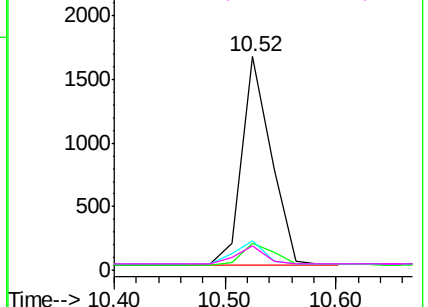
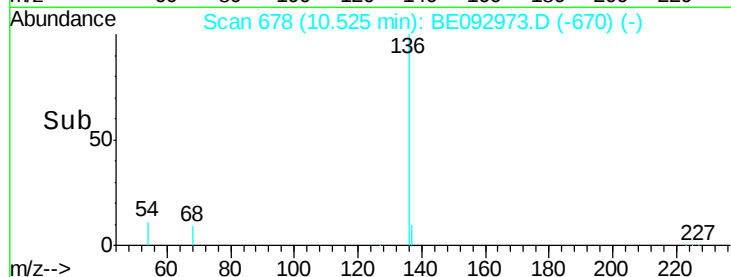


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

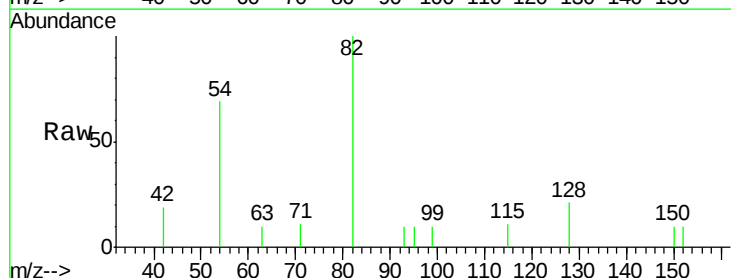
Tgt Ion: 82 Resp: 915

Ion Ratio Lower Upper

82 100

128 21.1 17.0 25.4

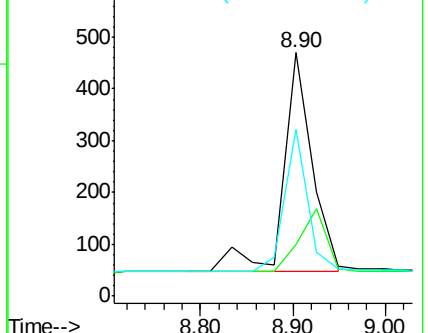
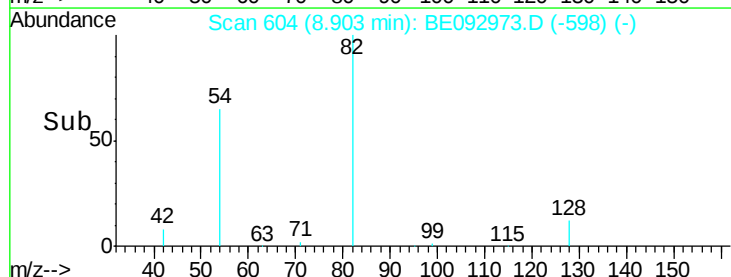
54 68.5 53.8 80.6

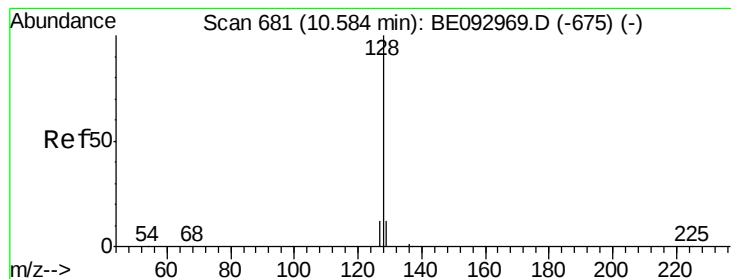


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.39 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

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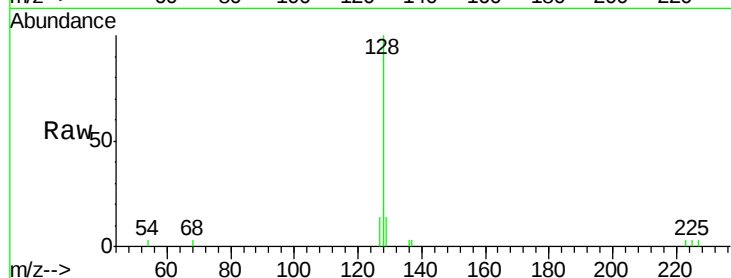
Tgt Ion:128 Resp: 3122

Ion Ratio Lower Upper

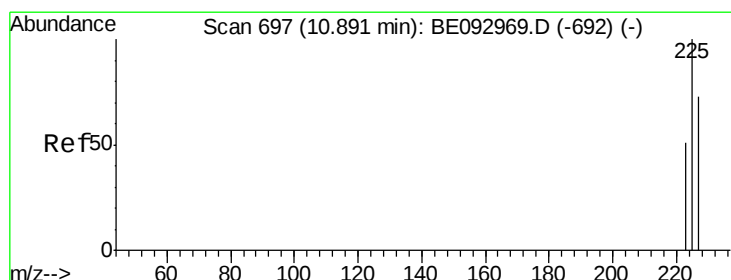
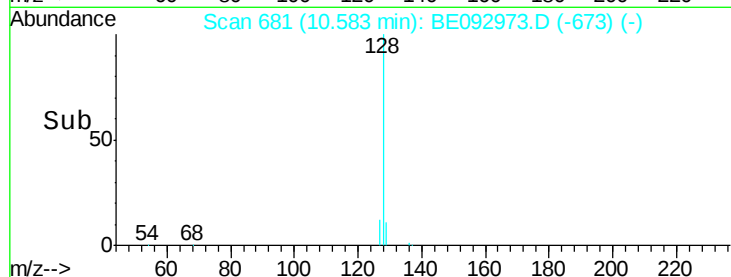
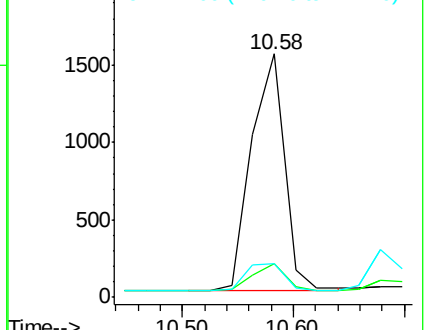
128 100

129 14.1 11.4 17.0

127 14.1 11.2 16.8



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



#10

Hexachlorobutadiene

Concen: 0.40 ng

RT: 10.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

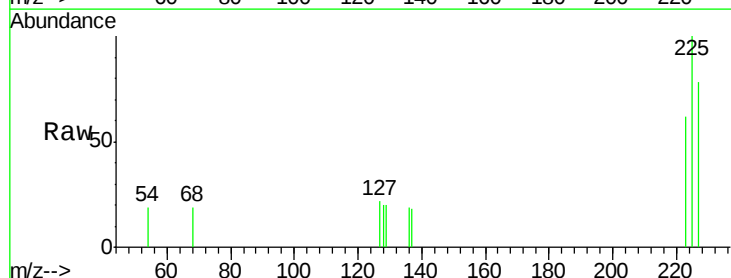
Tgt Ion:225 Resp: 458

Ion Ratio Lower Upper

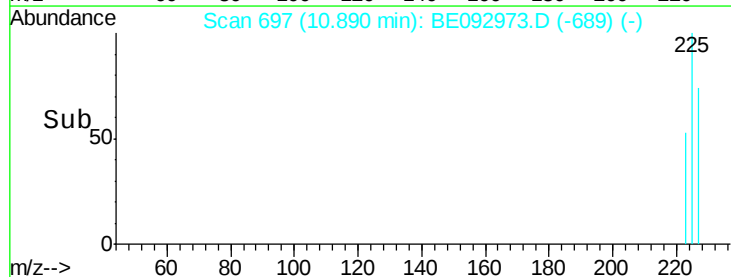
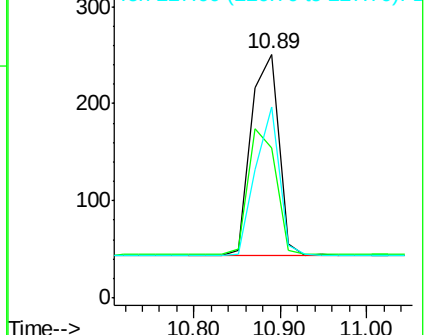
225 100

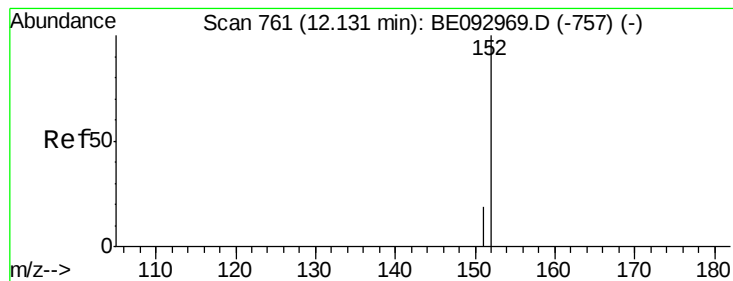
223 62.4 49.7 74.5

227 63.8 50.3 75.5



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.40 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

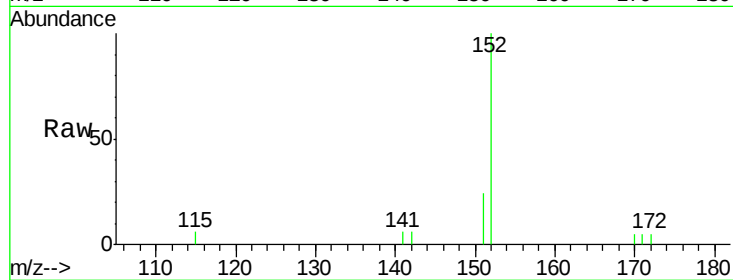
ICVBE051017

Tgt Ion:152 Resp: 1664

Ion Ratio Lower Upper

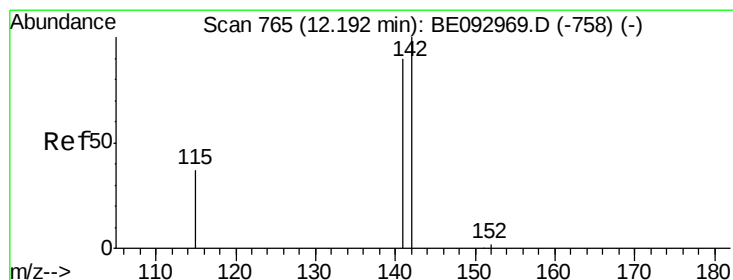
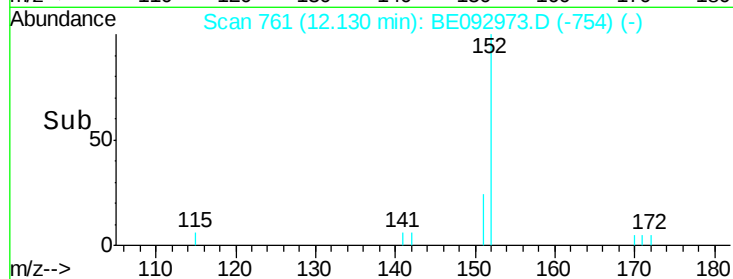
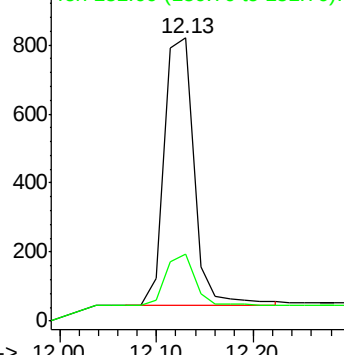
152 100

151 18.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.39 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

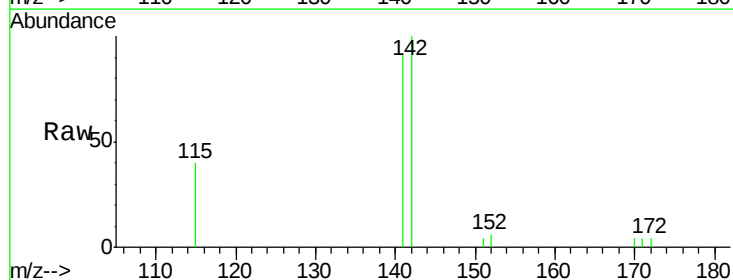
Tgt Ion:142 Resp: 1814

Ion Ratio Lower Upper

142 100

141 90.6 72.6 108.8

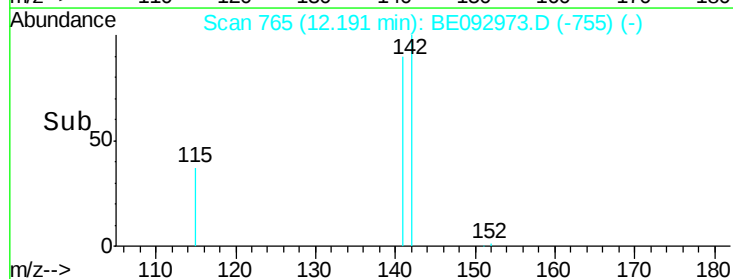
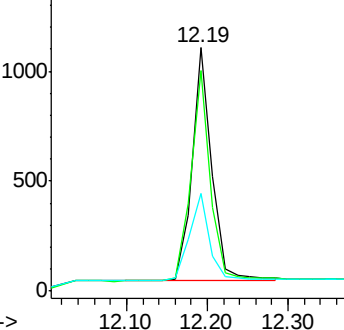
115 40.1 32.2 48.2

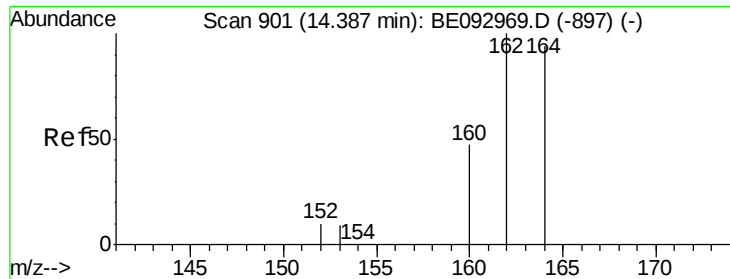


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

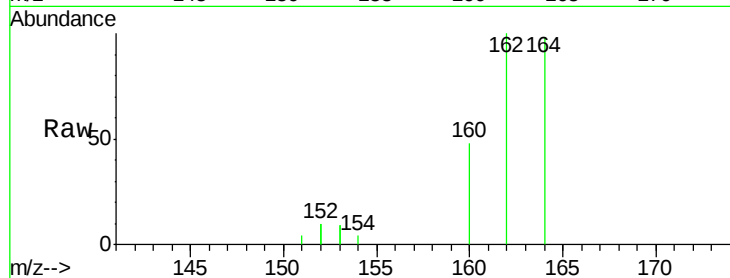
Tgt Ion:164 Resp: 1544

Ion Ratio Lower Upper

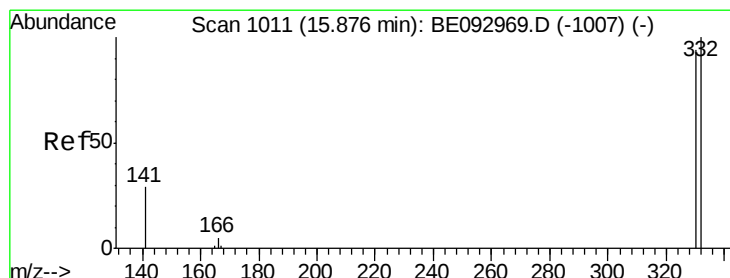
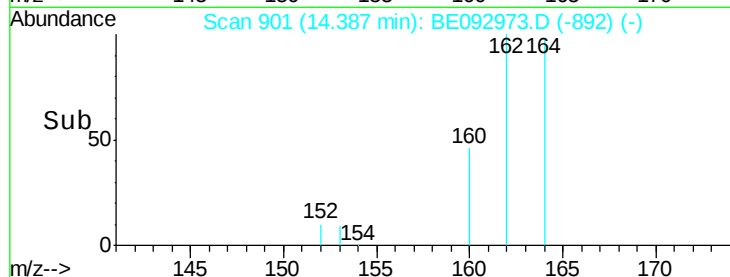
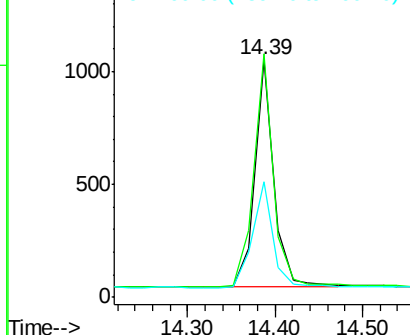
164 100

162 102.4 84.6 127.0

160 48.8 41.8 62.6



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



#14

2,4,6-Tribromophenol

Concen: 0.34 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

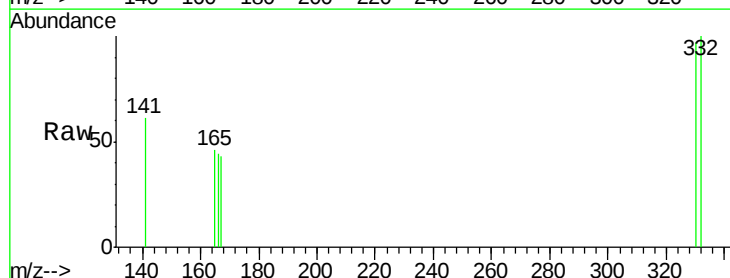
Tgt Ion:330 Resp: 136

Ion Ratio Lower Upper

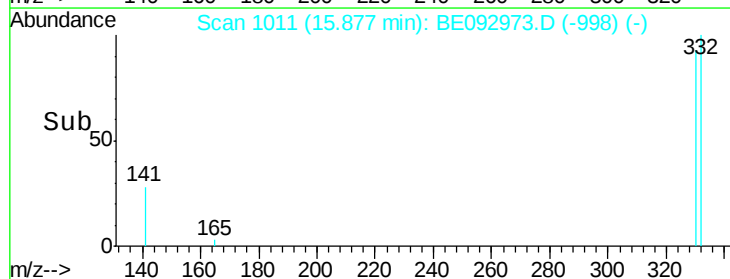
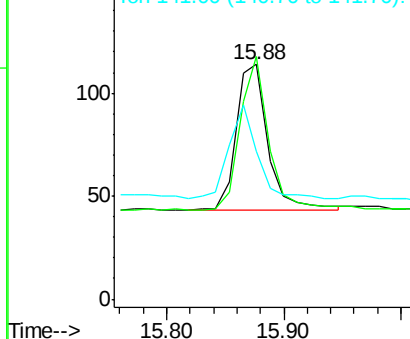
330 100

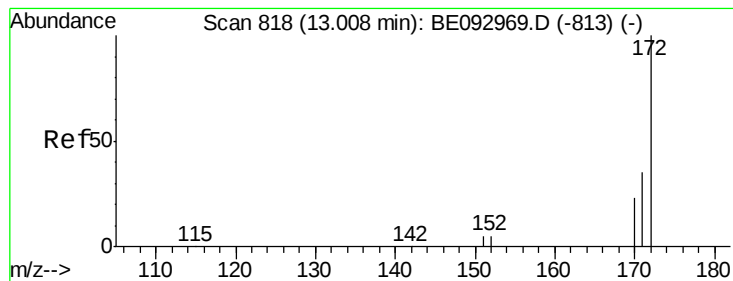
332 96.3 77.7 116.5

141 55.1 56.2 84.4#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.39 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

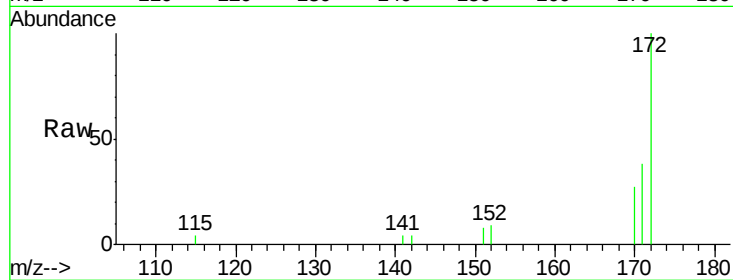
Tgt Ion:172 Resp: 2242

Ion Ratio Lower Upper

172 100

171 38.0 29.8 44.6

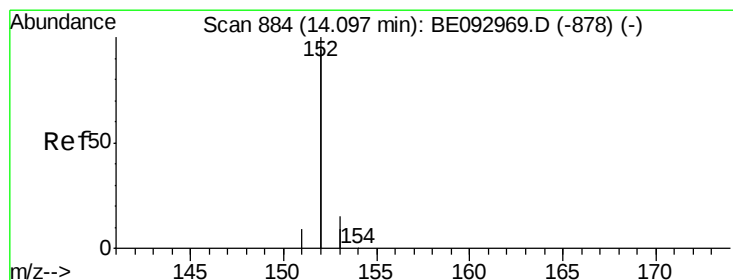
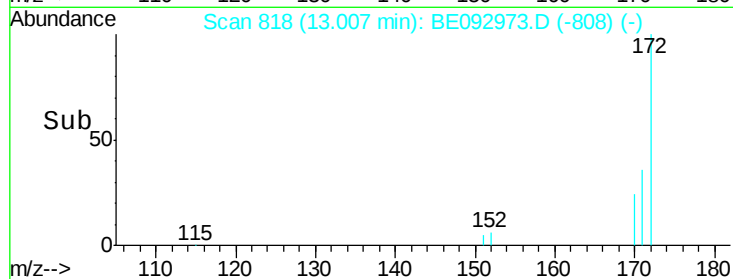
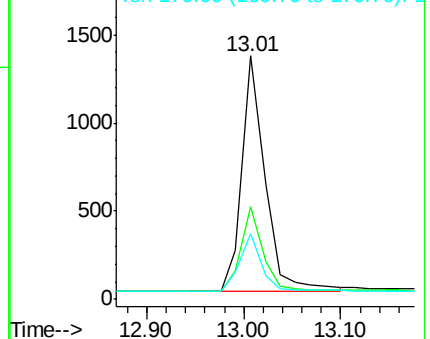
170 26.8 20.7 31.1



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



#16

Acenaphthylene

Concen: 0.37 ng

RT: 14.10 min Scan# 884

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

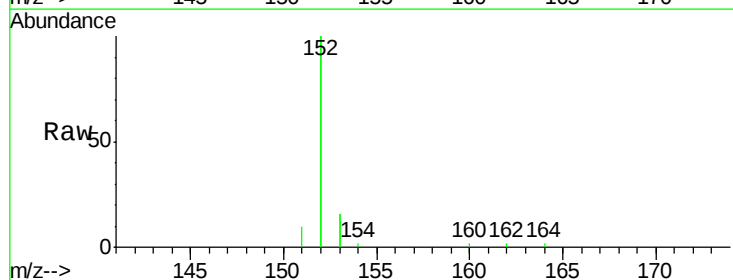
Tgt Ion:152 Resp: 9545

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

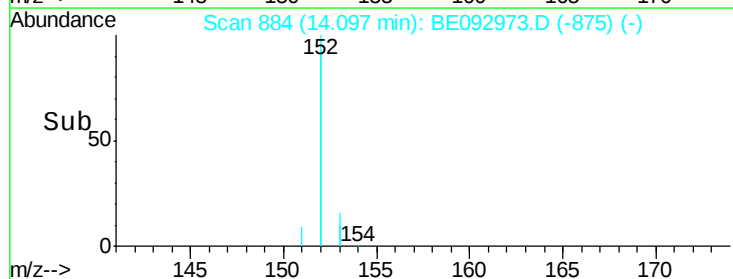
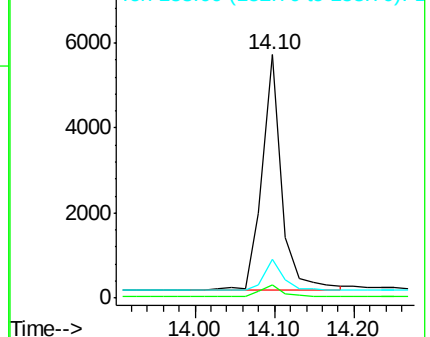
153 13.1 10.3 15.5

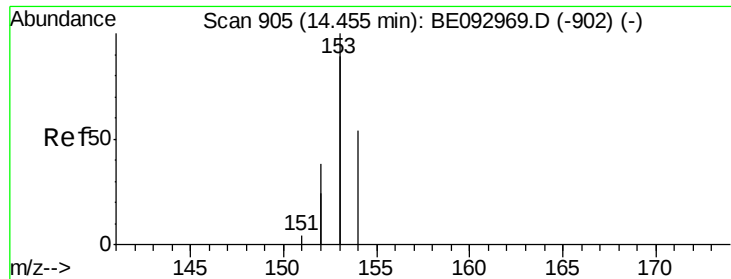


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

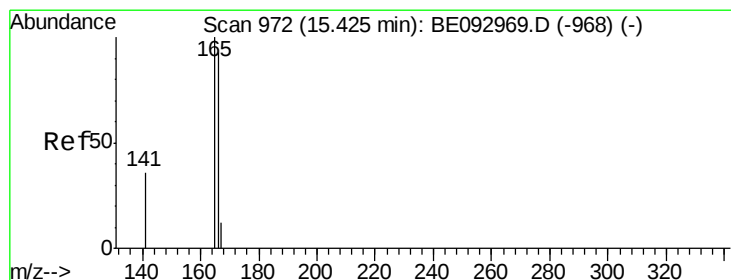
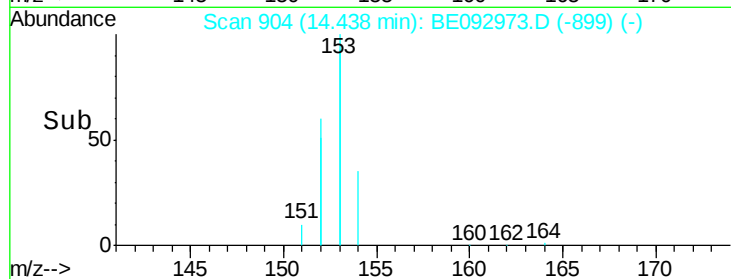
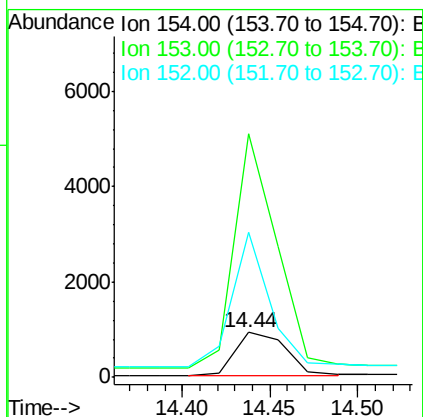
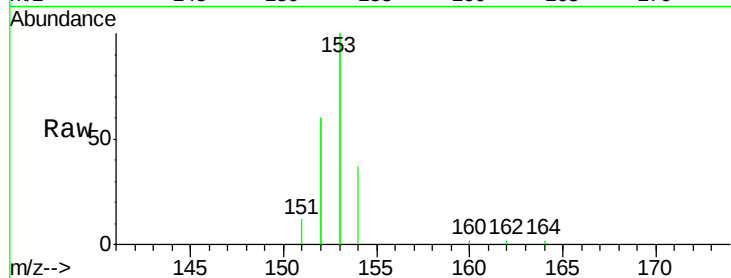




#17
Acenaphthene
Concen: 0.38 ng
RT: 14.44 min Scan# 904
Delta R.T. -0.02 min
Lab File: BE092973.D
Acq: 9 May 2017 21:02

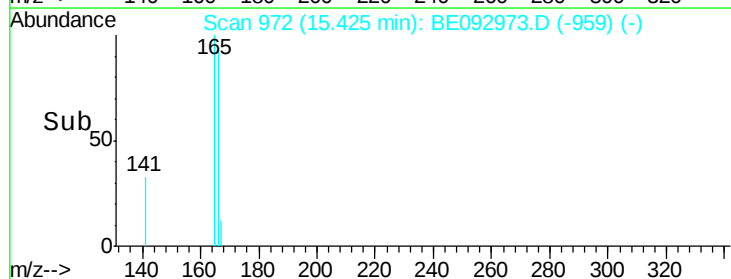
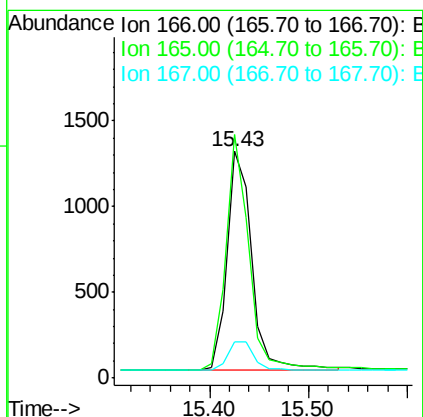
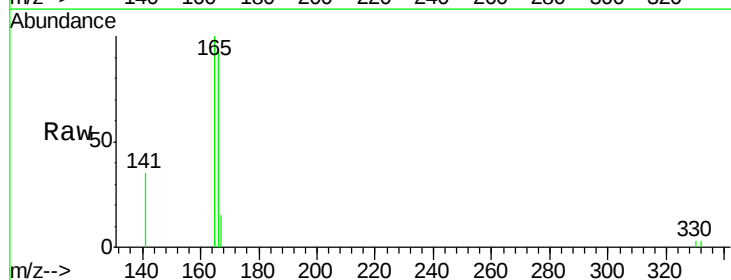
Instrument :
BNA_E
ClientSampleId :
ICVBE051017

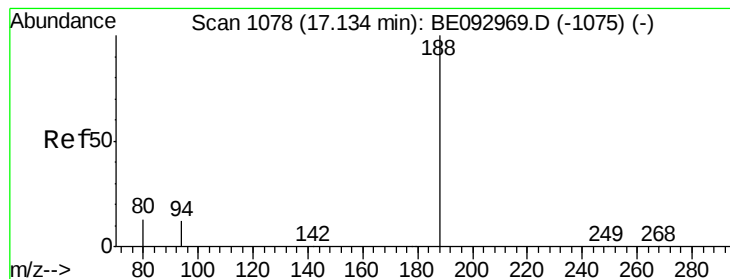
Tgt Ion:154 Resp: 1810
Ion Ratio Lower Upper
154 100
153 463.9 367.8 551.6
152 238.1 188.2 282.2



#18
Fluorene
Concen: 0.38 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE092973.D
Acq: 9 May 2017 21:02

Tgt Ion:166 Resp: 2222
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 13.9 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

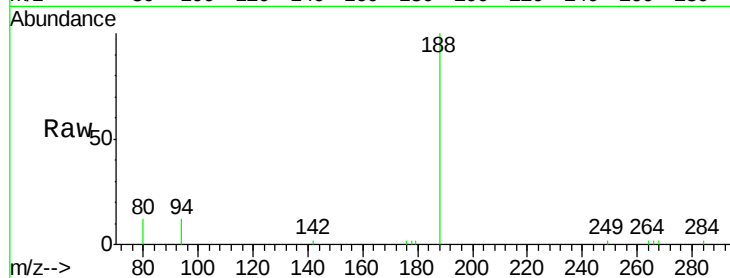
Tgt Ion:188 Resp: 3758

Ion Ratio Lower Upper

188 100

94 12.3 11.3 16.9

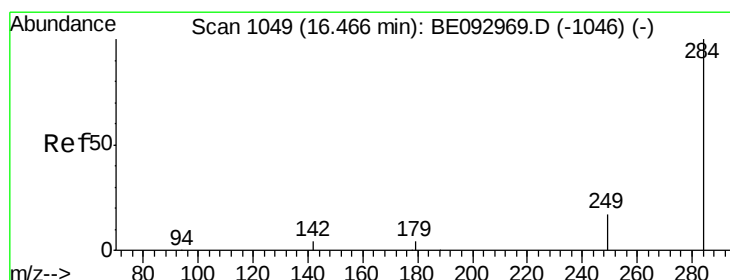
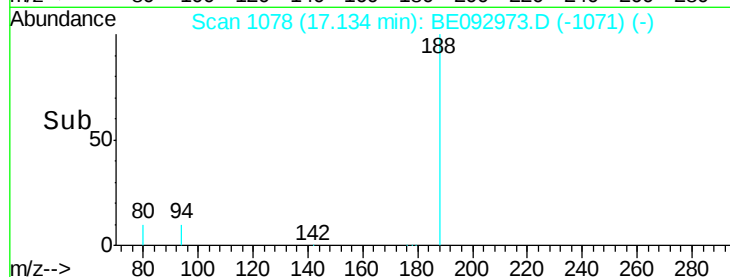
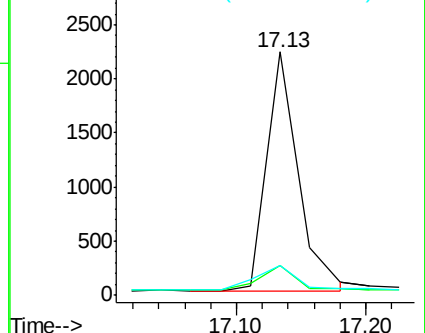
80 12.4 11.7 17.5



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



#20

Hexachlorobenzene

Concen: 0.38 ng

RT: 16.47 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

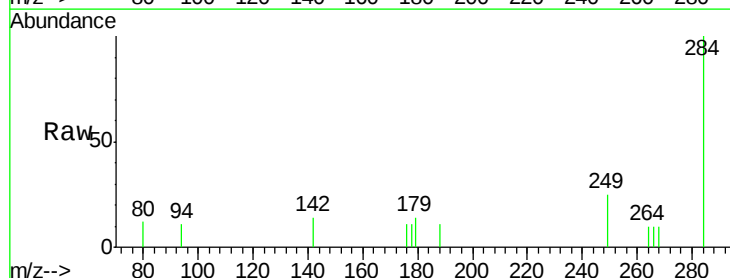
Tgt Ion:284 Resp: 670

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

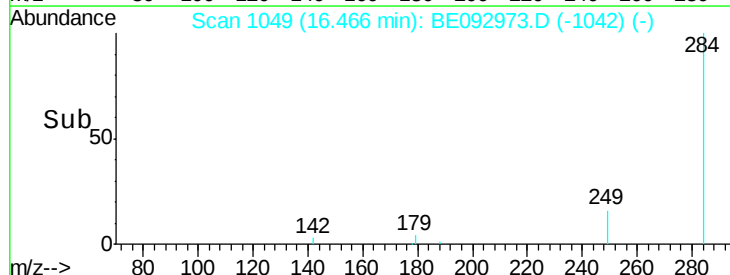
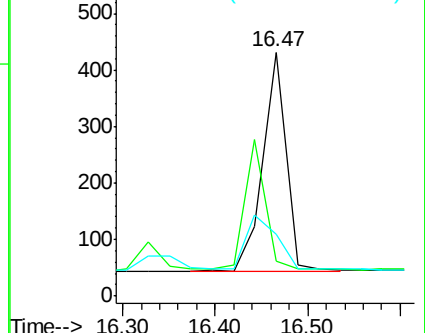
249 0.0 0.0 0.0

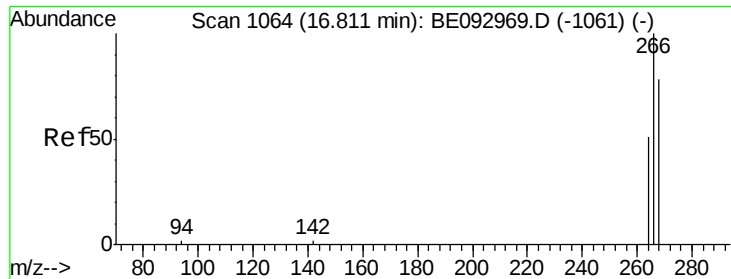


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

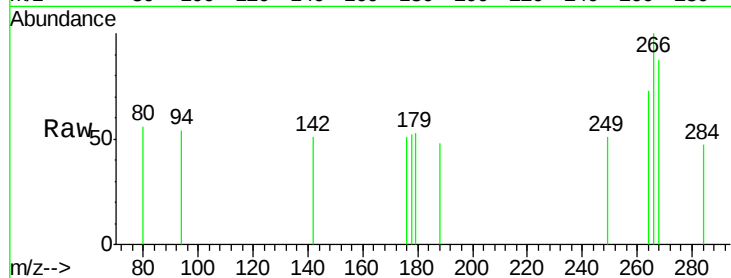




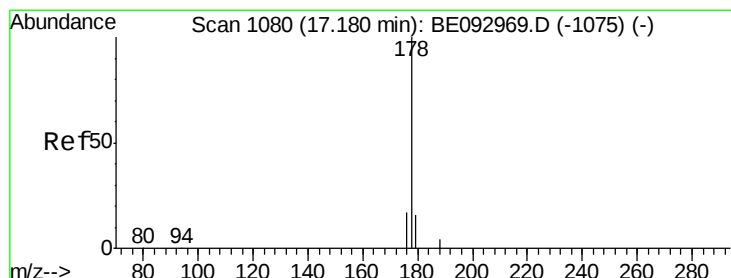
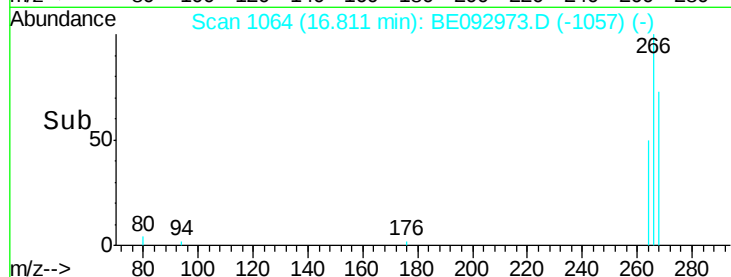
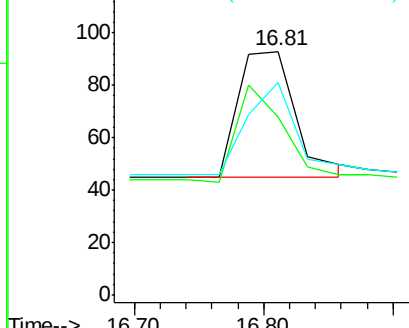
#21
 Pentachlorophenol
 Concen: 0.39 ng
 RT: 16.81 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BE092973.D
 Acq: 9 May 2017 21:02

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE051017

Tgt Ion: 266 Resp: 149
 Ion Ratio Lower Upper
 266 100
 264 73.1 58.2 87.2
 268 87.1 71.9 107.9

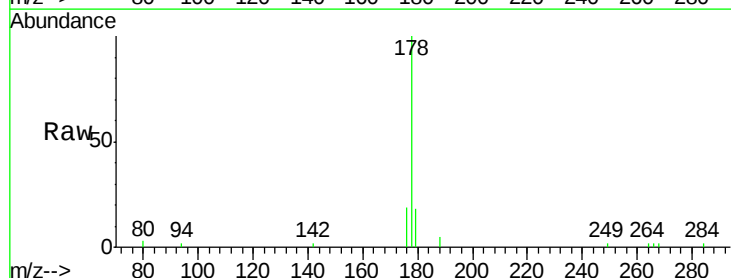


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

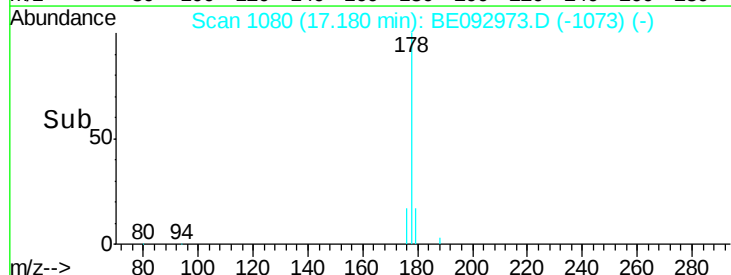
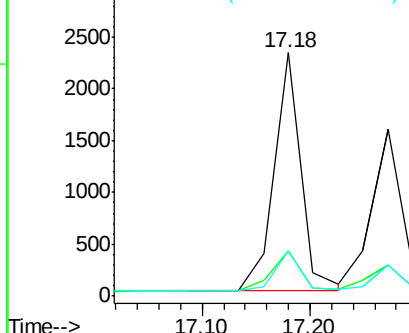


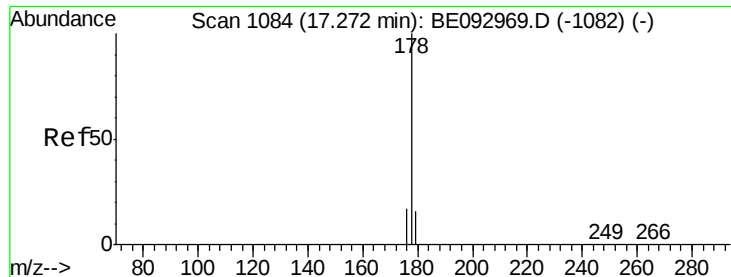
#22
 Phenanthrene
 Concen: 0.38 ng
 RT: 17.18 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BE092973.D
 Acq: 9 May 2017 21:02

Tgt Ion: 178 Resp: 4021
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.4
 179 16.2 12.7 19.1



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

Anthracene

Concen: 0.36 ng

RT: 17.27 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

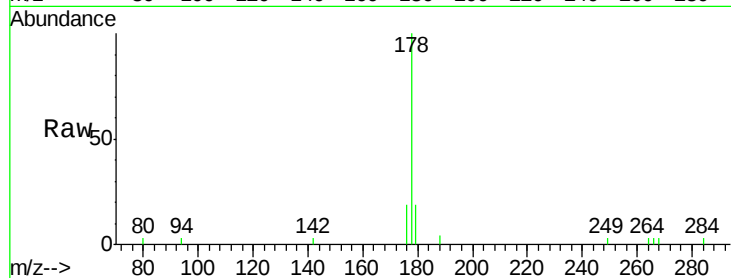
Tgt Ion:178 Resp: 3075

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

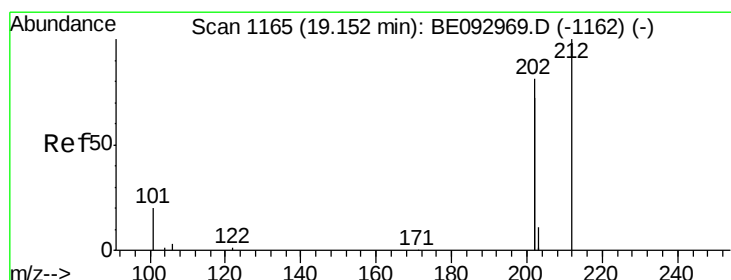
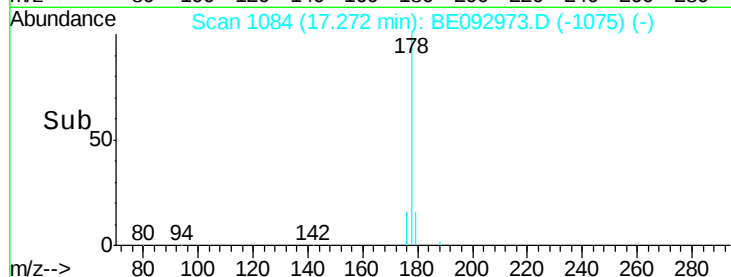
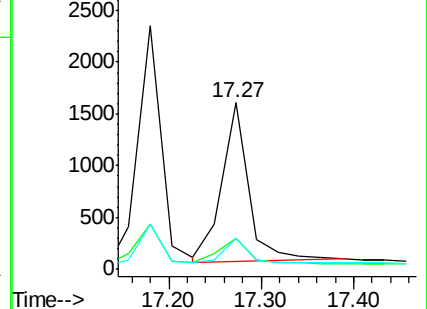
179 15.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene-d10

Concen: 0.37 ng

RT: 19.15 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

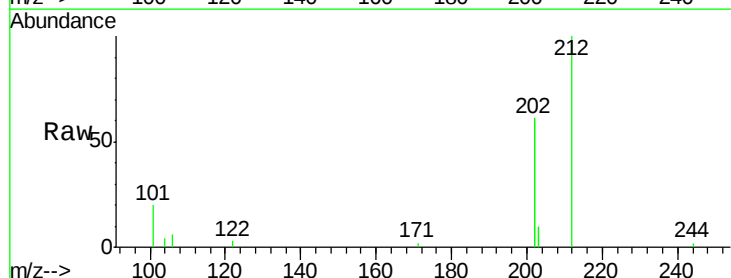
Tgt Ion:212 Resp: 3647

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

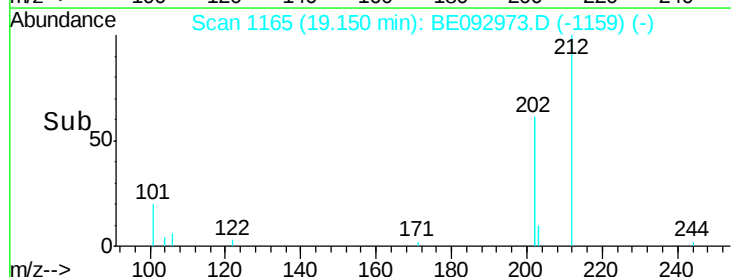
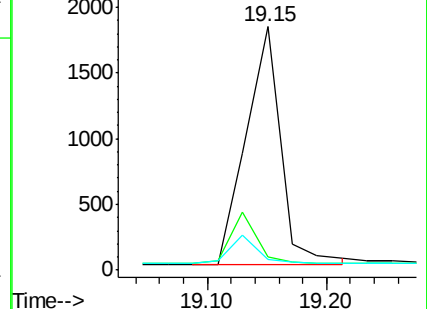
104 0.0 0.0 0.0

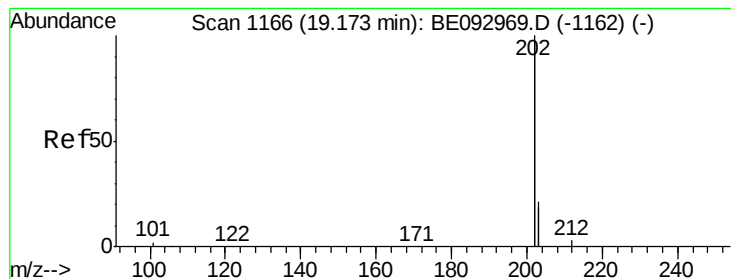


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.36 ng

RT: 19.17 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

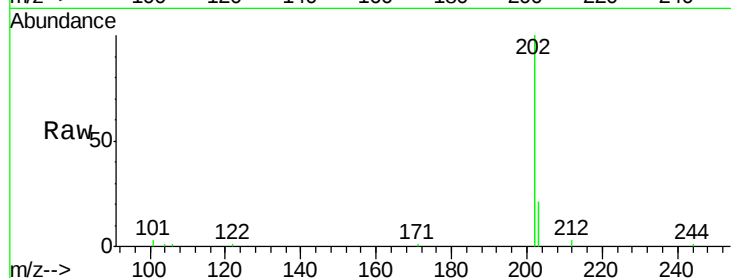
Instrument :

BNA_E

ClientSampleId :

ICVBE051017

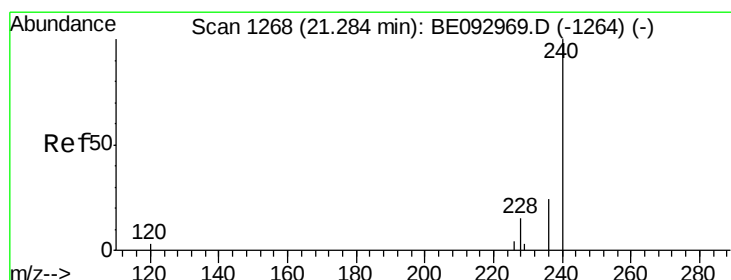
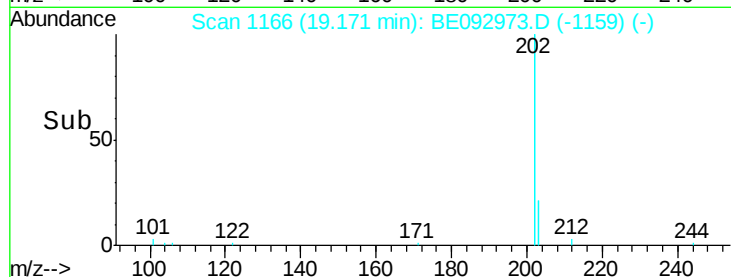
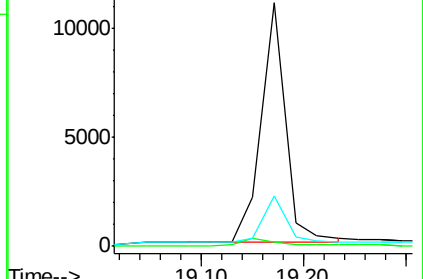
Tgt Ion:	202	Resp:	18175
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	18.4	14.4	21.6



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



#26

Chrysene-d12

Concen: 0.40 ng

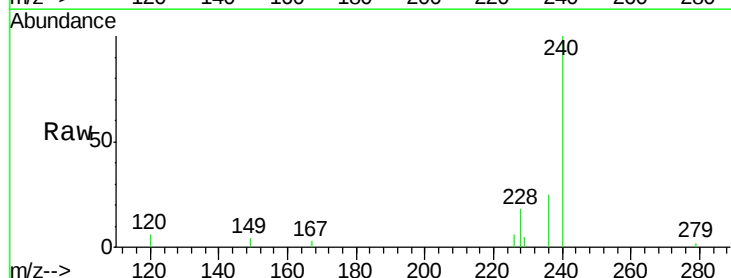
RT: 21.28 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

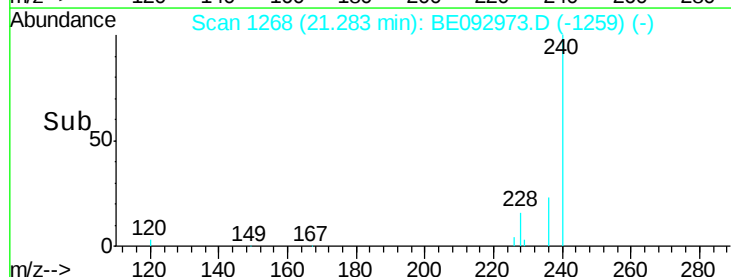
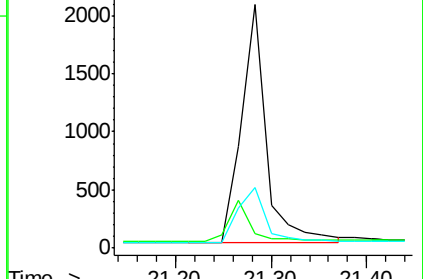
Tgt Ion:	240	Resp:	3709
Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.6	7.0
236	24.8	20.8	31.2

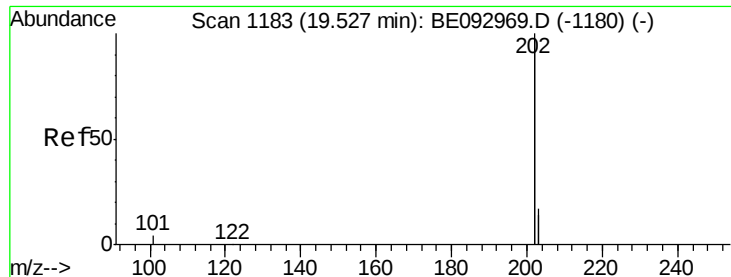


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

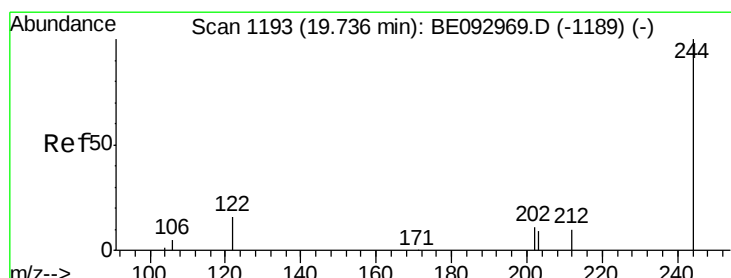
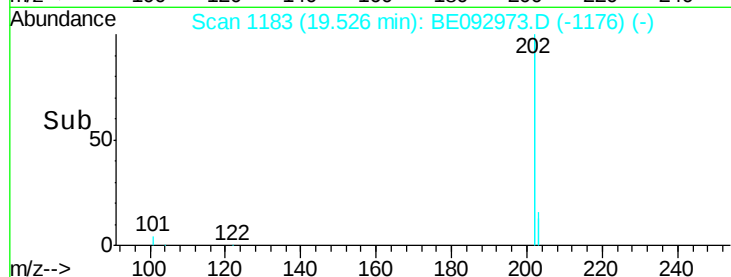
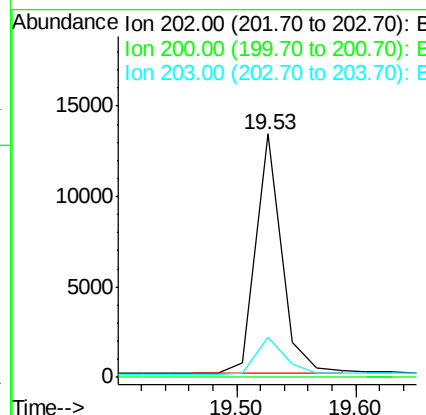
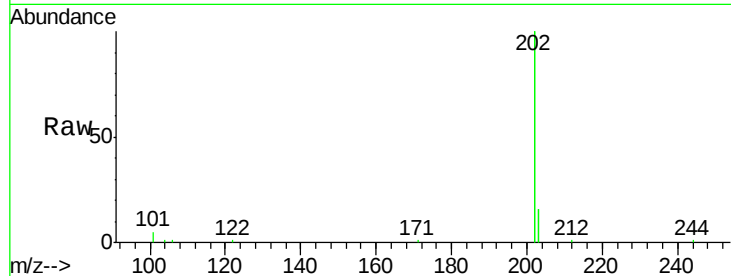




#27
Pyrene
Concen: 0.41 ng
RT: 19.53 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE092973.D
Acq: 9 May 2017 21:02

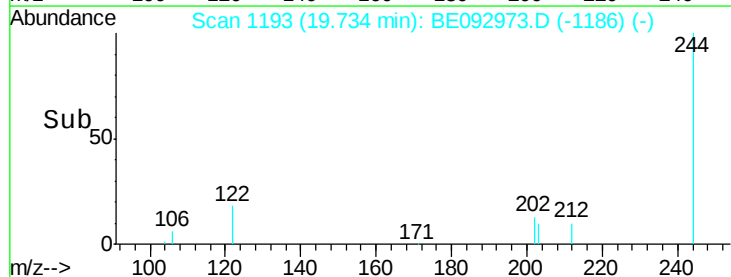
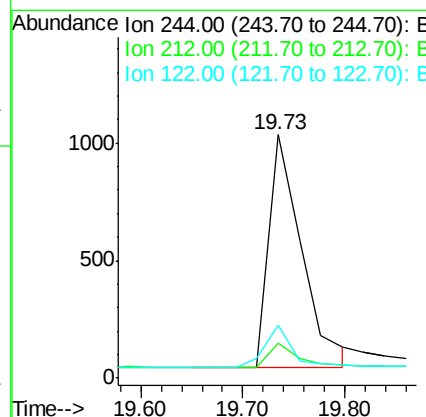
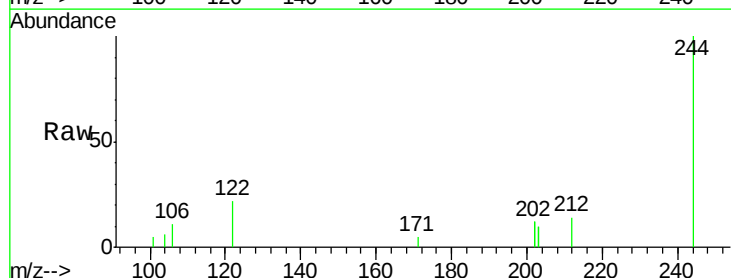
Instrument :
BNA_E
ClientSampleId :
ICVBE051017

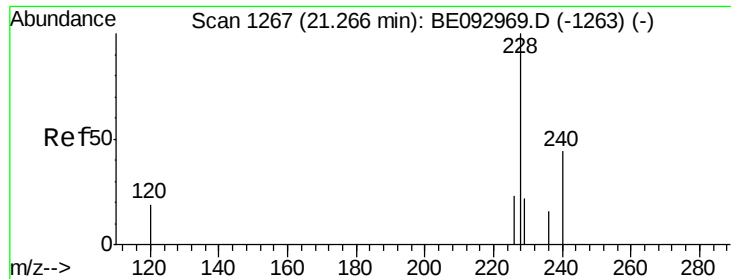
Tgt Ion: 202 Resp: 20139
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 16.7 13.7 20.5



#28
Terphenyl-d14
Concen: 0.39 ng
RT: 19.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE092973.D
Acq: 9 May 2017 21:02

Tgt Ion: 244 Resp: 2198
Ion Ratio Lower Upper
244 100
212 14.3 10.6 16.0
122 21.7 15.4 23.0





#29

Benzo(a)anthracene

Concen: 0.38 ng

RT: 21.27 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

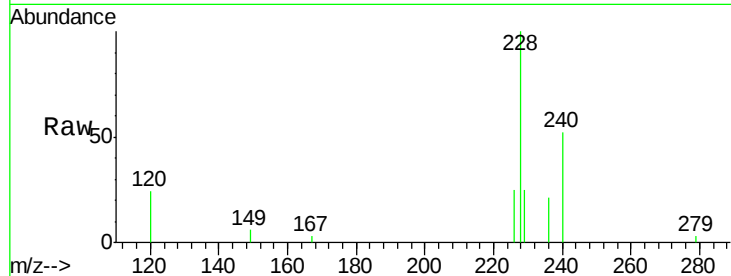
Tgt Ion:228 Resp: 3397

Ion Ratio Lower Upper

228 100

226 24.7 19.7 29.5

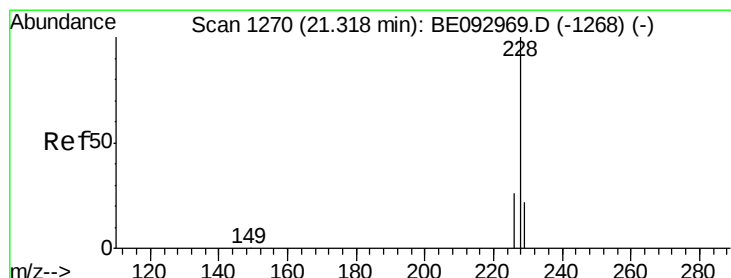
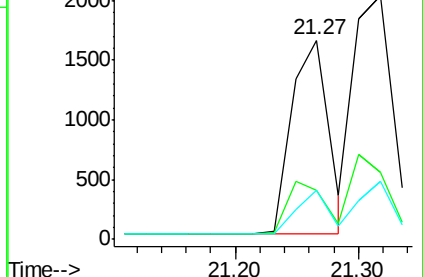
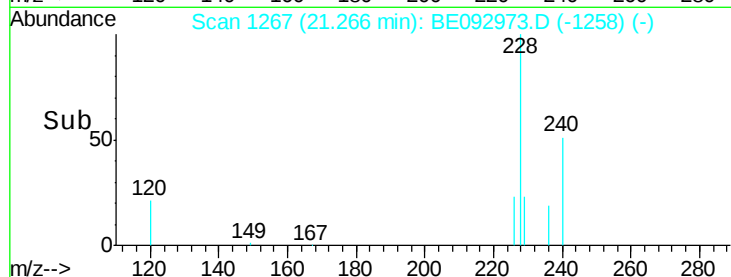
229 24.8 19.2 28.8



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



#30

Chrysene

Concen: 0.40 ng

RT: 21.32 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

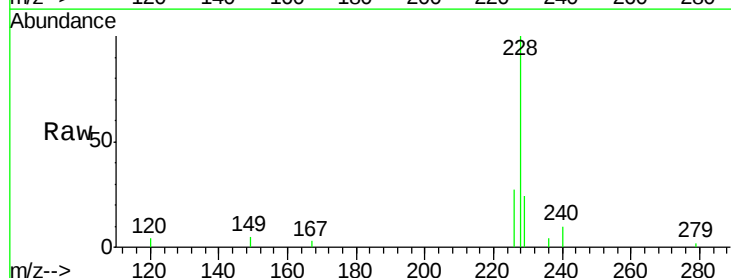
Tgt Ion:228 Resp: 4740

Ion Ratio Lower Upper

228 100

226 27.3 21.5 32.3

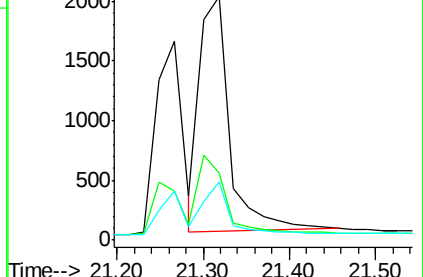
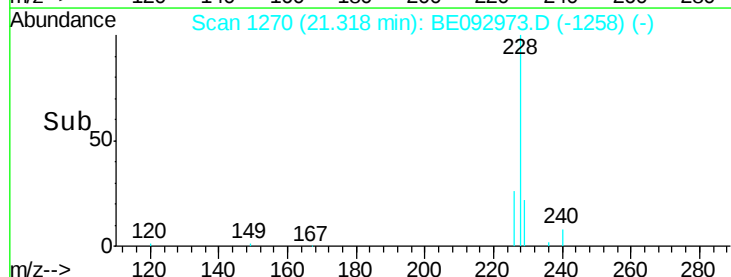
229 23.6 18.6 28.0

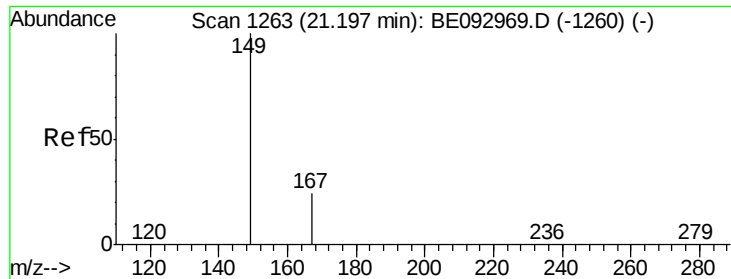


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

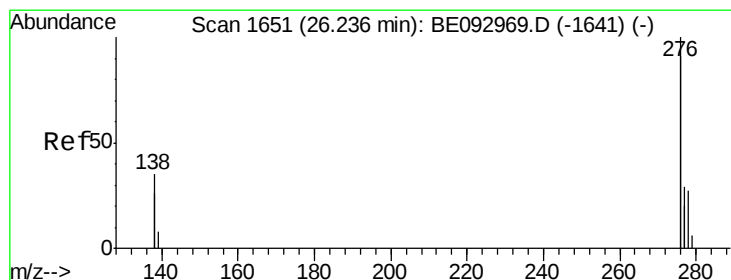
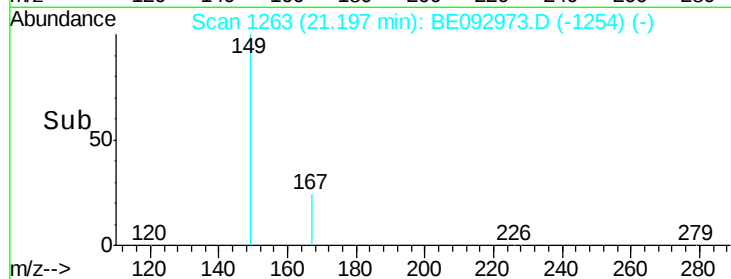
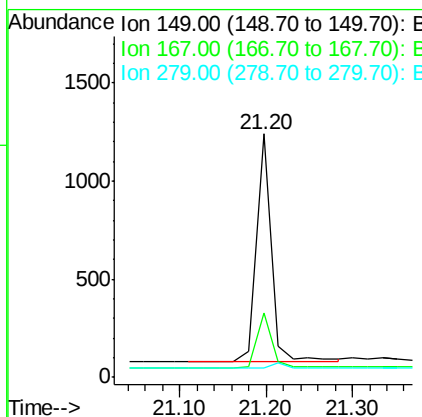
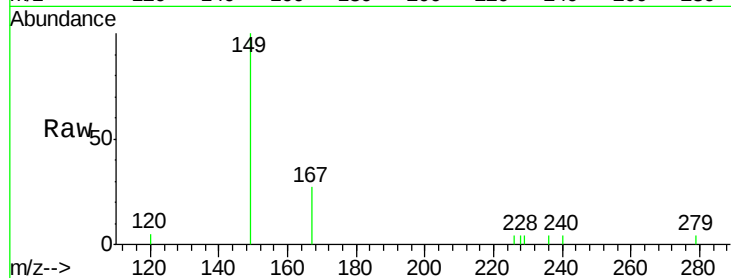




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.40 ng
 RT: 21.20 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BE092973.D
 Acq: 9 May 2017 21:02

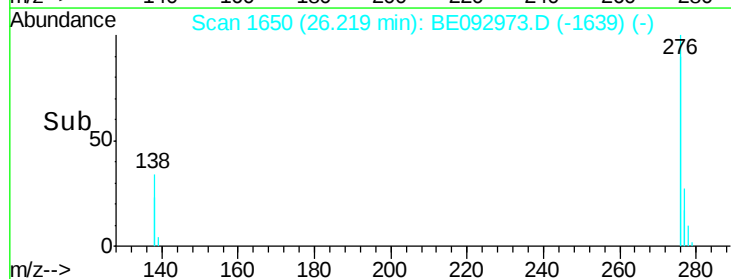
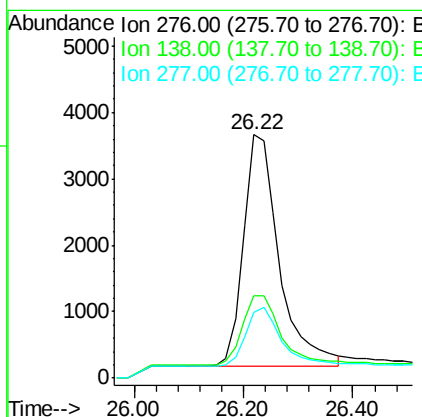
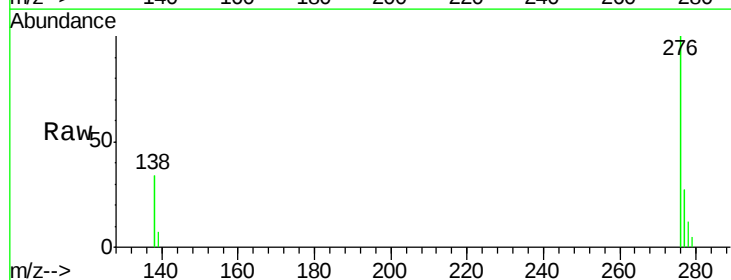
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE051017

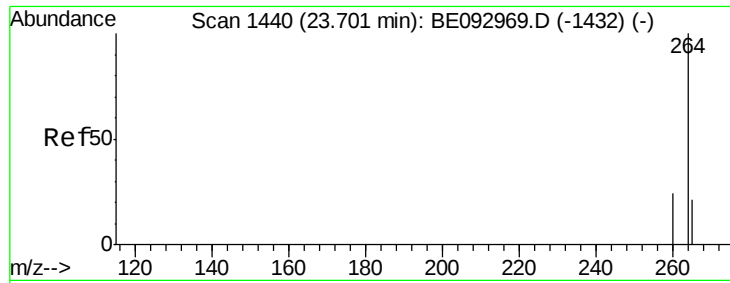
Tgt Ion:149 Resp: 1384
 Ion Ratio Lower Upper
 149 100
 167 25.0 20.1 30.1
 279 2.5 2.2 3.4



#32
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng
 RT: 26.22 min Scan# 1650
 Delta R.T. -0.02 min
 Lab File: BE092973.D
 Acq: 9 May 2017 21:02

Tgt Ion:276 Resp: 15738
 Ion Ratio Lower Upper
 276 100
 138 33.0 27.4 41.2
 277 25.2 20.1 30.1

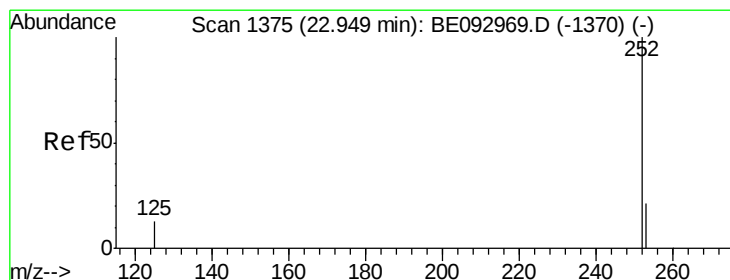
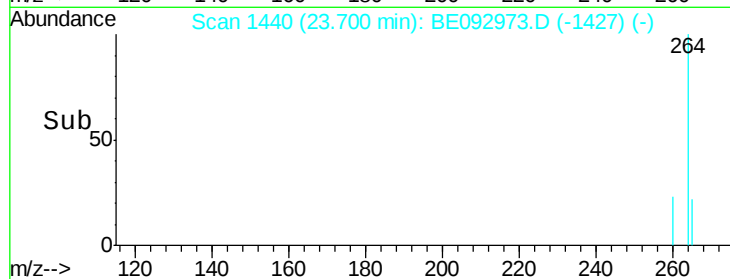
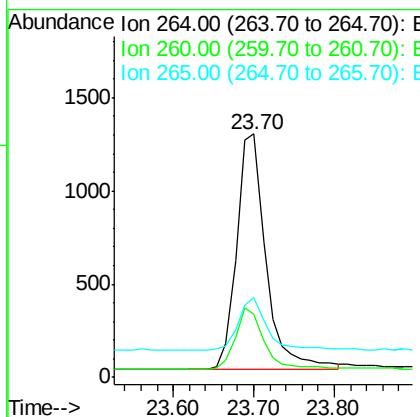
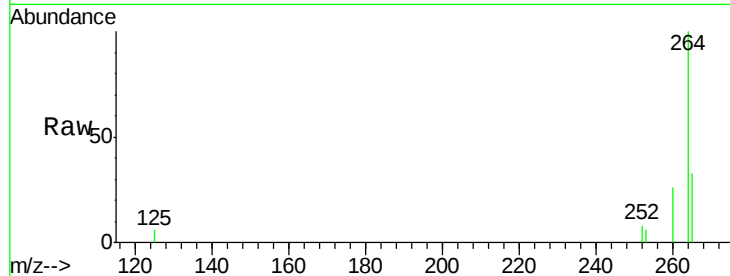




#33
Perylene-d12
 Concen: 0.40 ng
 RT: 23.70 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BE092973.D
 Acq: 9 May 2017 21:02

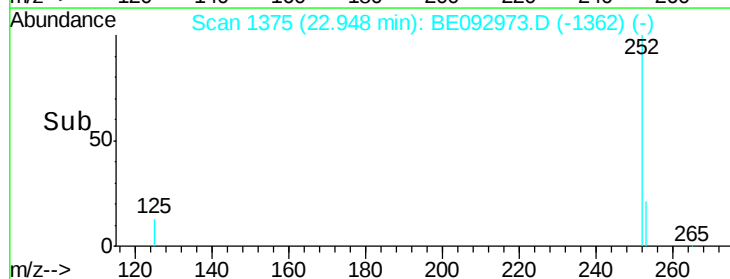
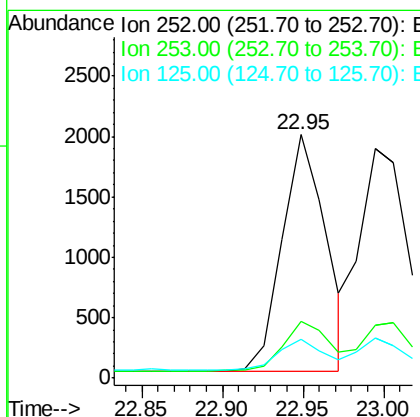
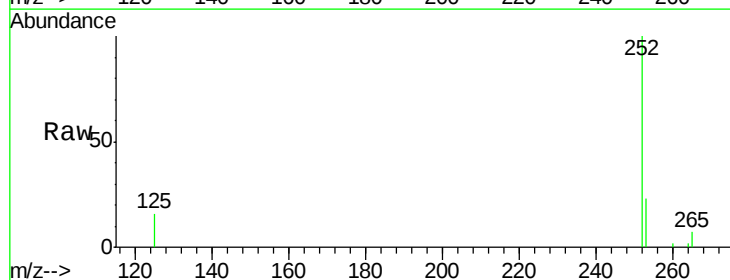
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE051017

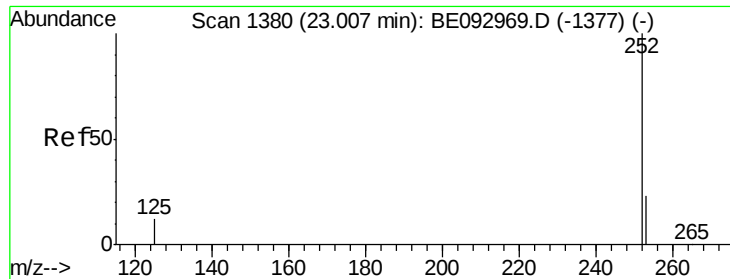
Tgt Ion: 264 Resp: 3169
 Ion Ratio Lower Upper
 264 100
 260 25.8 21.0 31.4
 265 32.8 24.6 36.8



#34
Benzo(b)fluoranthene
 Concen: 0.38 ng
 RT: 22.95 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: BE092973.D
 Acq: 9 May 2017 21:02

Tgt Ion: 252 Resp: 3715
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.5 27.7
 125 15.9 13.4 20.0





#35

Benzo(k)fluoranthene

Concen: 0.39 ng

RT: 22.99 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

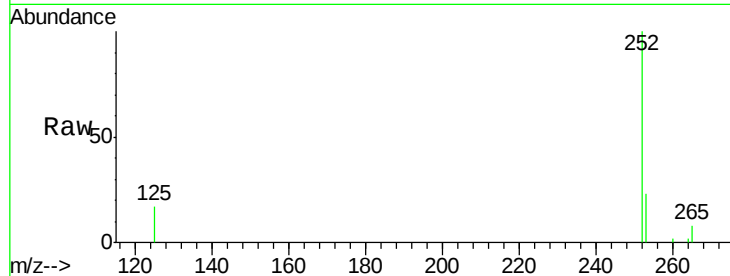
Tgt Ion:252 Resp: 4036

Ion Ratio Lower Upper

252 100

253 22.9 20.3 30.5

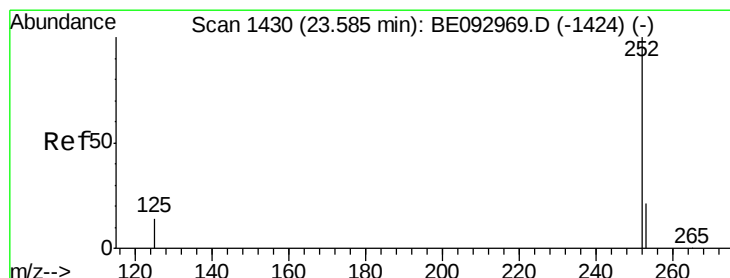
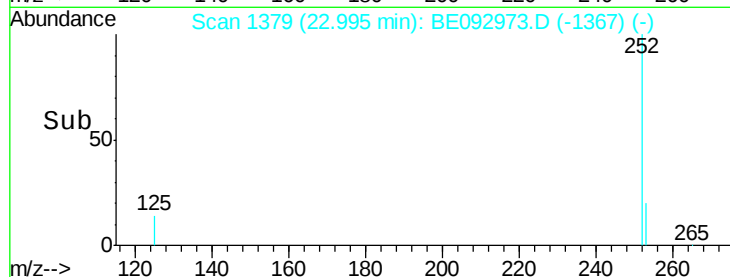
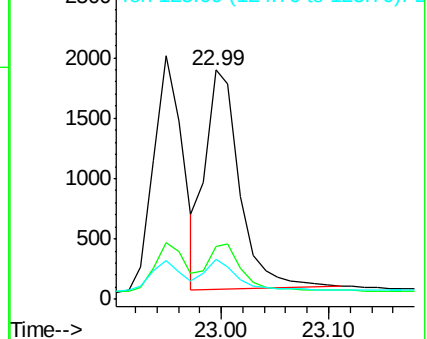
125 17.3 12.2 18.4



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



#36

Benzo(a)pyrene

Concen: 0.38 ng

RT: 23.58 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

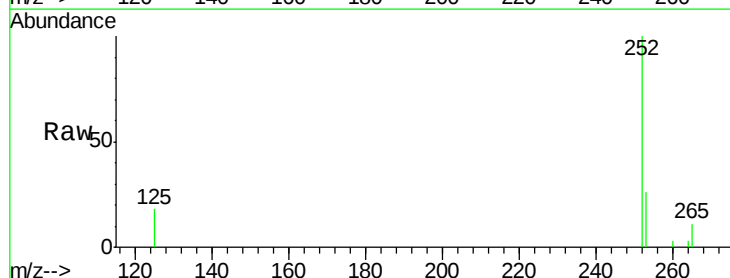
Tgt Ion:252 Resp: 3435

Ion Ratio Lower Upper

252 100

253 25.5 19.9 29.9

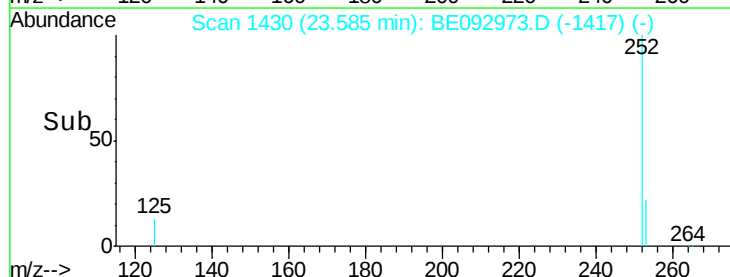
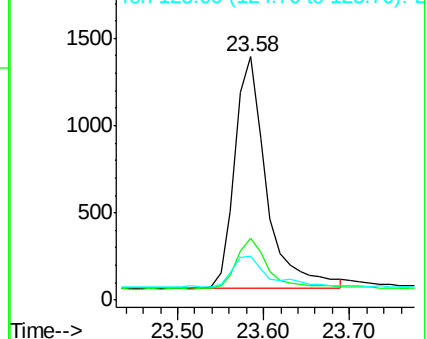
125 18.2 14.6 21.8

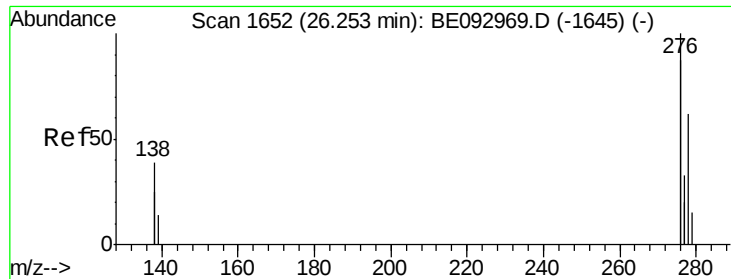


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

Instrument :

BNA_E

ClientSampleId :

ICVBE051017

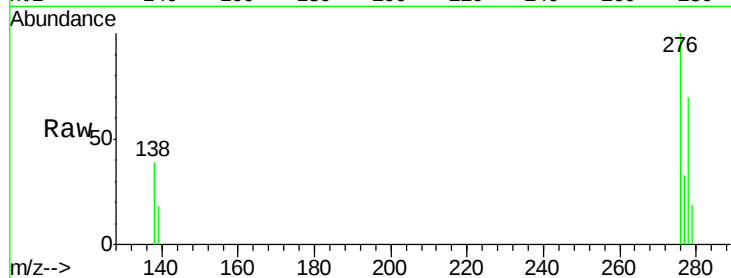
Tgt Ion: 278 Resp: 3338

Ion Ratio Lower Upper

278 100

139 26.2 21.4 32.0

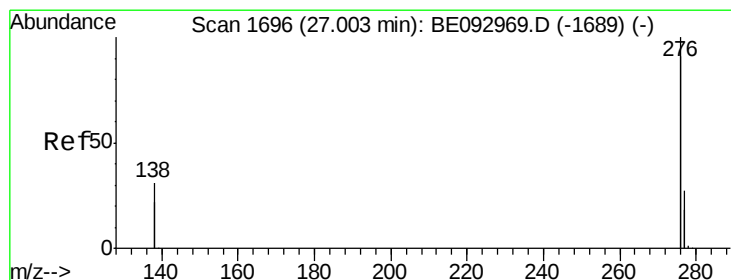
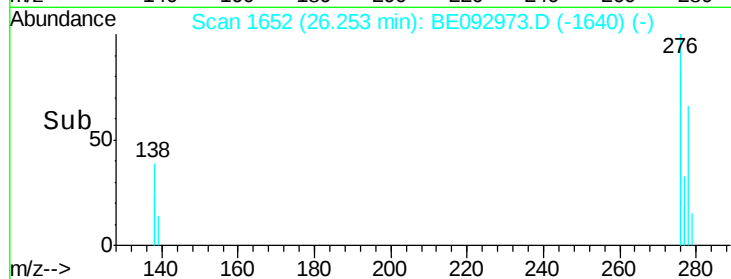
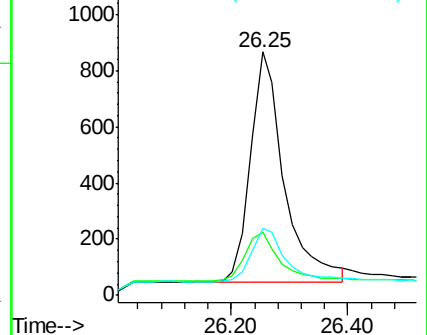
279 27.7 22.2 33.2



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



#38

Benzo(g,h,i)perylene

Concen: 0.39 ng

RT: 27.00 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE092973.D

Acq: 9 May 2017 21:02

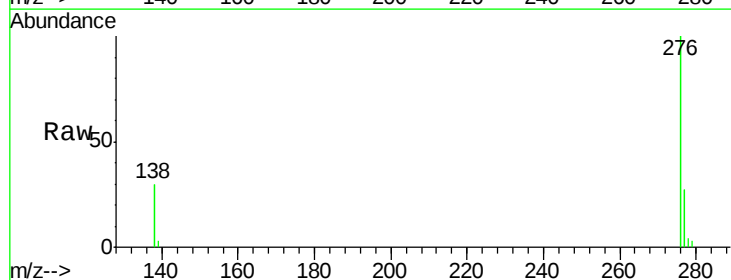
Tgt Ion: 276 Resp: 15088

Ion Ratio Lower Upper

276 100

277 27.0 21.2 31.8

138 30.2 24.5 36.7



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

