

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050917\
 Data File : BE092963.D
 Acq On : 9 May 2017 14:10
 Operator : SJ/MA
 Sample : PB98776BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB98776BSD

Quant Time: May 09 17:13:57 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	1035	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	3875	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1635	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3400	0.40	ng	0.00
26) Chrysene-d12	21.28	240	3719	0.40	ng	0.00
33) Perylene-d12	23.70	264	3418	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	854	0.37	ng	0.00
5) Phenol-d6	6.94	99	969	0.30	ng	0.00
8) Nitrobenzene-d5	8.90	82	898	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1687	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	101	0.39	ng	0.01
15) 2-Fluorobiphenyl	13.01	172	2065	0.27	ng	0.00
24) Fluoranthene-d10	19.15	212	2510	0.32	ng	0.00
28) Terphenyl-d14	19.76	244	1663	0.26	ng	0.02

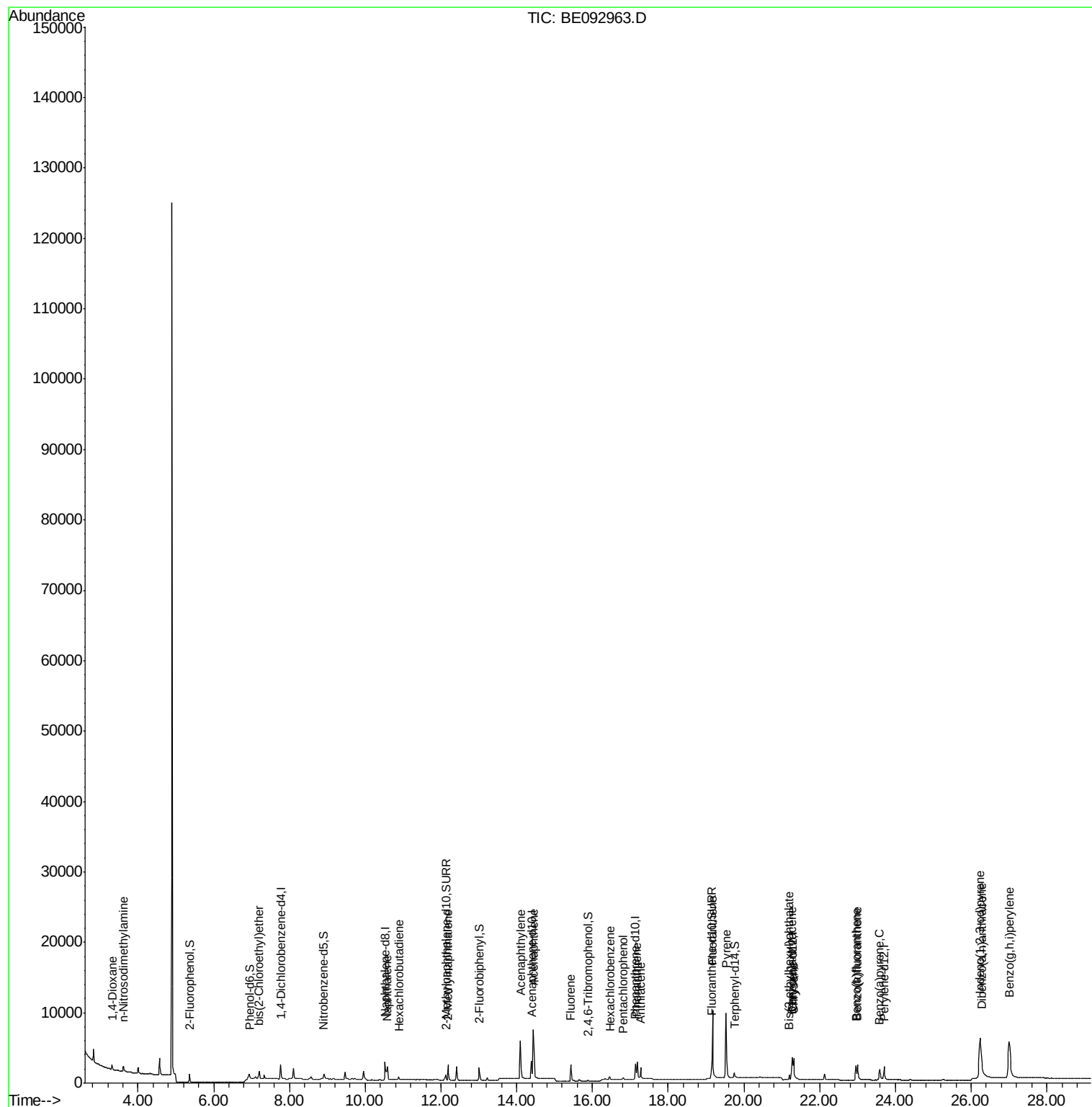
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	411	0.21	ng	# 82
3) n-Nitrosodimethylamine	3.61	42	500	0.33	ng	# 84
6) bis(2-Chloroethyl)ether	7.20	93	1068	0.28	ng	99
9) Naphthalene	10.58	128	3060	0.30	ng	# 87
10) Hexachlorobutadiene	10.89	225	444	0.31	ng	96
12) 2-Methylnaphthalene	12.19	142	1781	0.28	ng	95
16) Acenaphthylene	14.10	152	8297	0.32	ng	98
17) Acenaphthene	14.44	154	1550	0.30	ng	96
18) Fluorene	15.43	166	1801	0.28	ng	98
20) Hexachlorobenzene	16.47	284	514	0.35	ng	# 100
21) Pentachlorophenol	16.81	266	231	0.79	ng	# 81
22) Phenanthrene	17.18	178	3068	0.32	ng	97
23) Anthracene	17.27	178	2371	0.33	ng	98
25) Fluoranthene	19.17	202	13384	0.32	ng	# 95
27) Pyrene	19.53	202	13354	0.28	ng	# 100
29) Benzo(a)anthracene	21.27	228	2638	0.30	ng	# 83
30) Chrysene	21.32	228	3671	0.33	ng	# 85
31) Bis(2-ethylhexyl)phthalate	21.20	149	795	0.33	ng	# 94
32) Indeno(1,2,3-cd)pyrene	26.24	276	15069	0.38	ng	99
34) Benzo(b)fluoranthene	22.96	252	3443	0.31	ng	# 87
35) Benzo(k)fluoranthene	23.01	252	3404	0.30	ng	# 83
36) Benzo(a)pyrene	23.58	252	2855	0.31	ng	# 77
37) Dibenzo(a,h)anthracene	26.27	278	2962	0.29	ng	# 82
38) Benzo(g,h,i)perylene	27.00	276	13882	0.32	ng	# 83

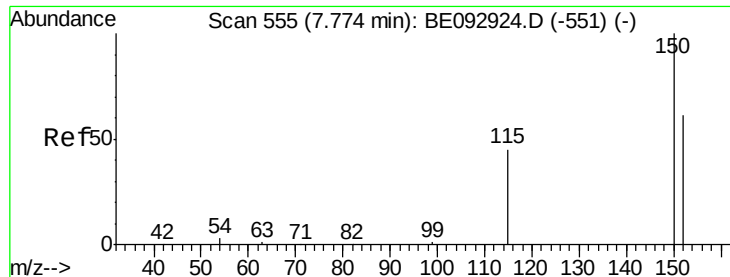
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

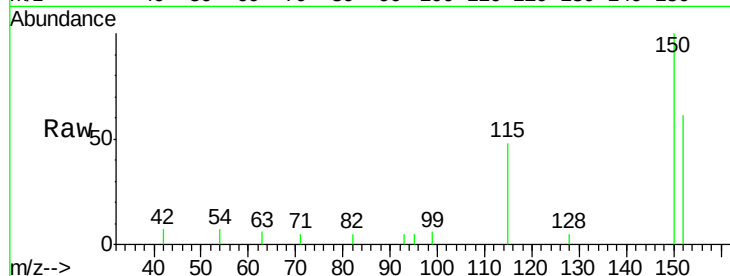
Tgt Ion:152 Resp: 1035

Ion Ratio Lower Upper

152 100

150 164.8 129.9 194.9

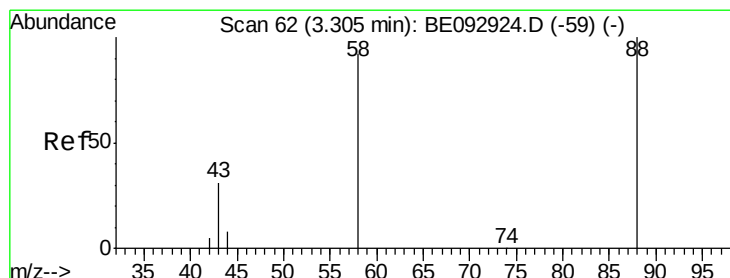
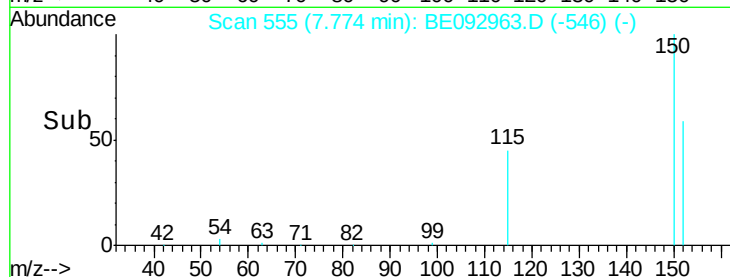
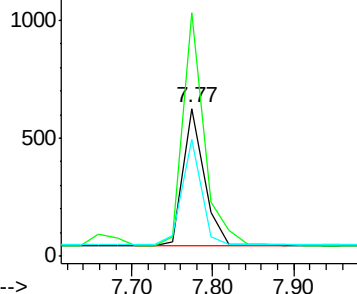
115 78.7 62.6 93.8



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



#2

1,4-Dioxane

Concen: 0.21 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

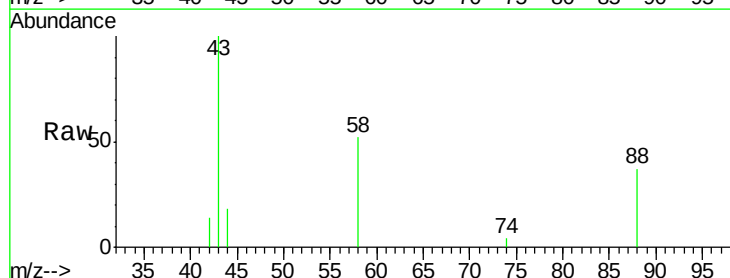
Tgt Ion: 88 Resp: 411

Ion Ratio Lower Upper

88 100

58 90.3 64.9 97.3

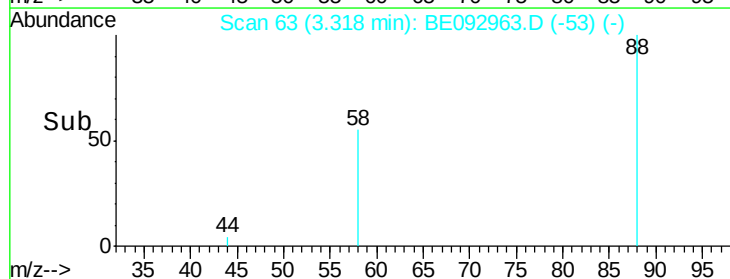
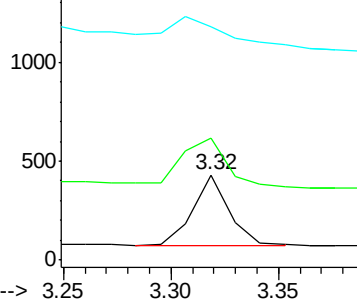
43 54.3 26.6 40.0#

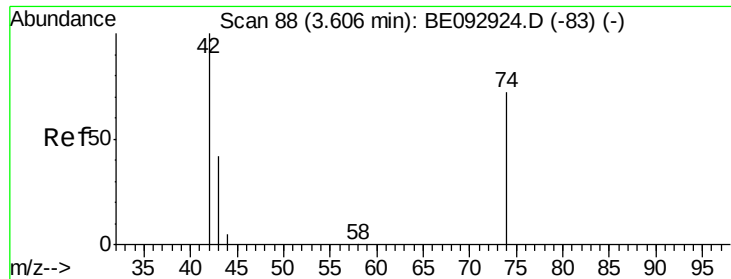


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.33 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

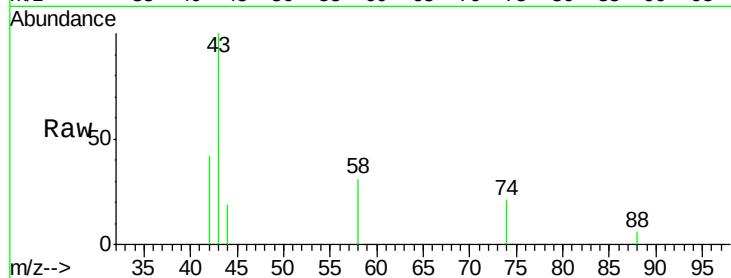
Tgt Ion: 42 Resp: 500

Ion Ratio Lower Upper

42 100

74 123.6 106.6 160.0

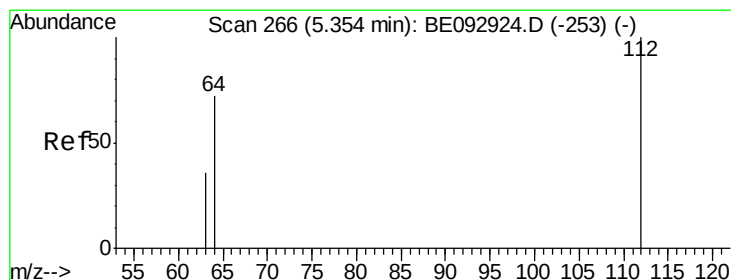
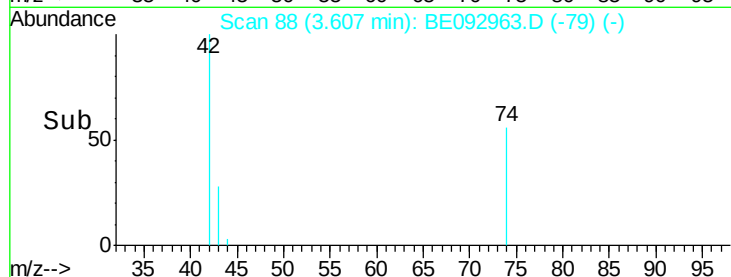
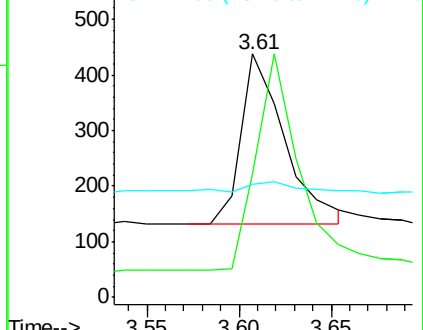
44 5.8 25.7 38.5#



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: 0.37 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

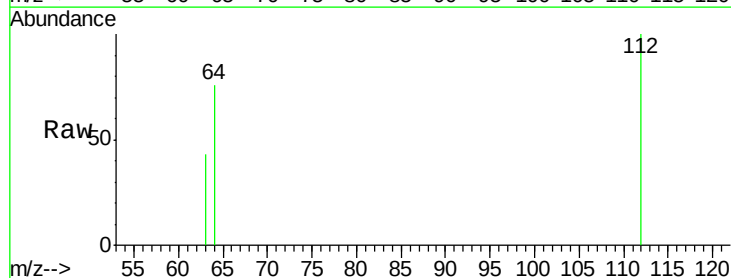
Tgt Ion: 112 Resp: 854

Ion Ratio Lower Upper

112 100

64 71.1 52.6 79.0

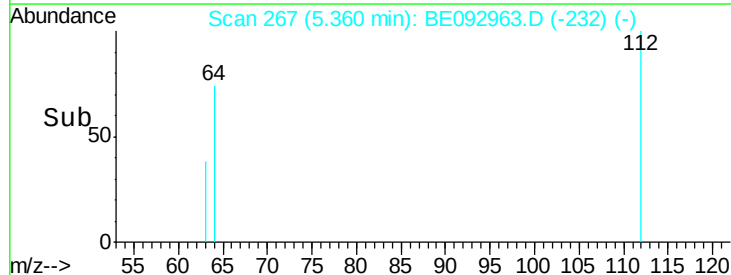
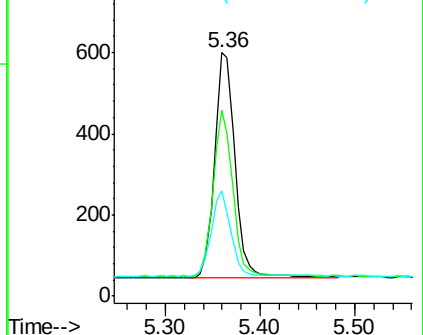
63 36.1 29.0 43.4

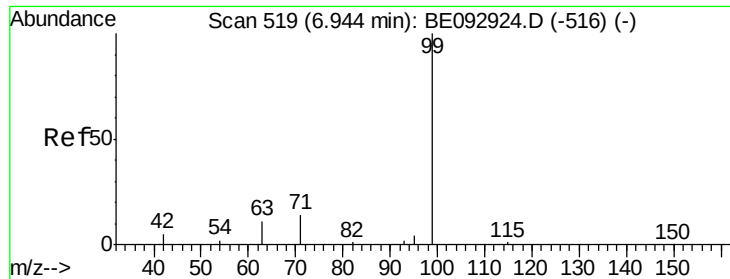


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.30 ng

RT: 6.94 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

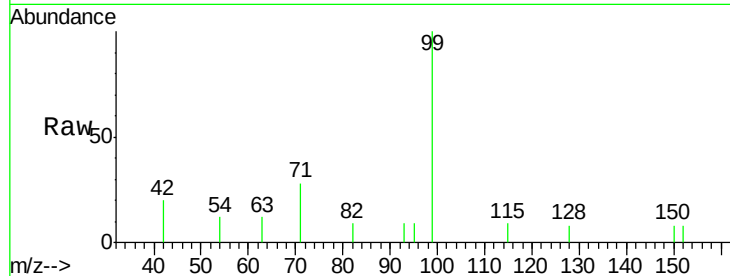
Tgt Ion: 99 Resp: 969

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

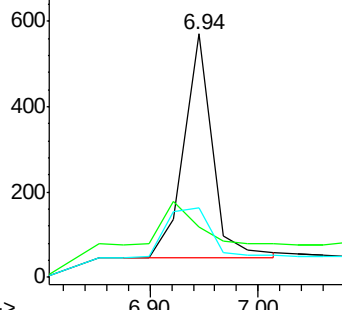
71 34.5 0.0 0.0#



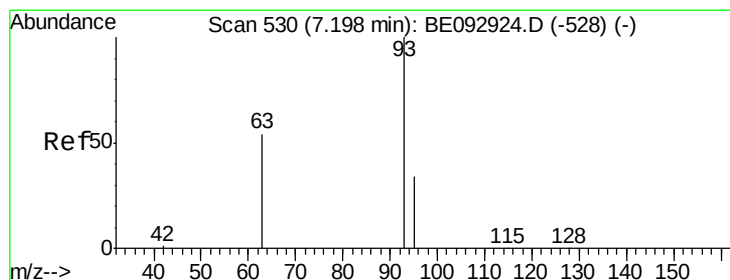
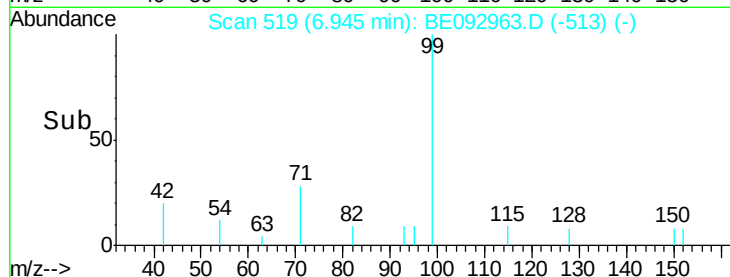
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.28 ng

RT: 7.20 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

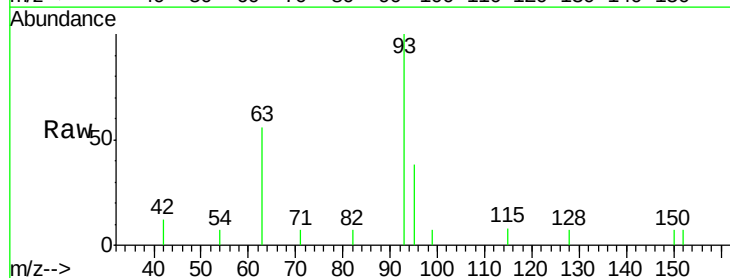
Tgt Ion: 93 Resp: 1068

Ion Ratio Lower Upper

93 100

63 77.5 61.2 91.8

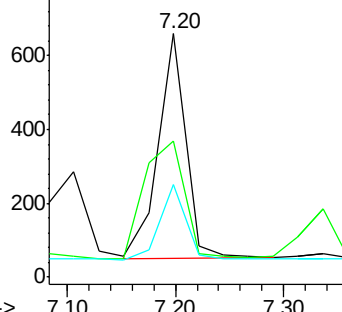
95 31.3 25.5 38.3



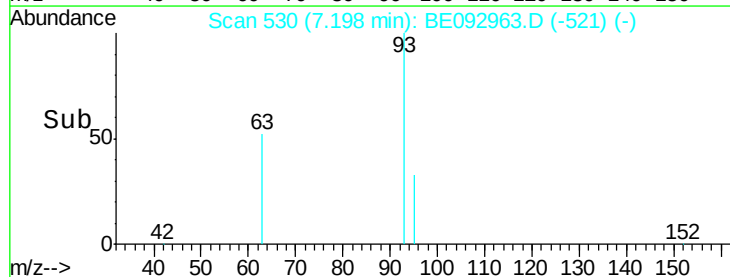
Abundance Ion 93.00 (92.70 to 93.70): BE0

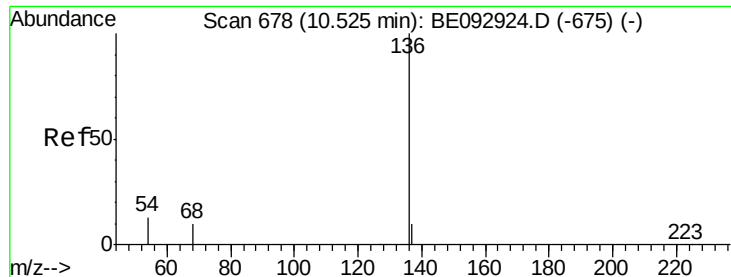
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

Tgt Ion:136 Resp: 3875

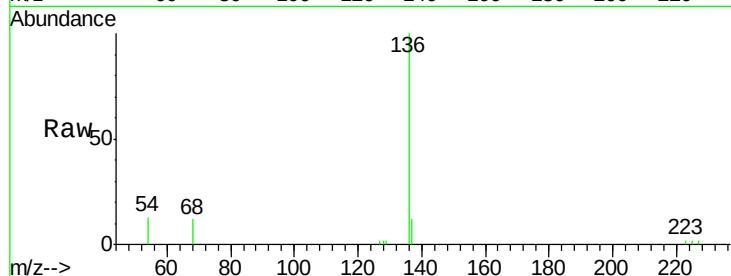
Ion Ratio Lower Upper

136 100

137 12.1 10.4 15.6

54 13.4 12.6 18.8

68 11.7 10.7 16.1

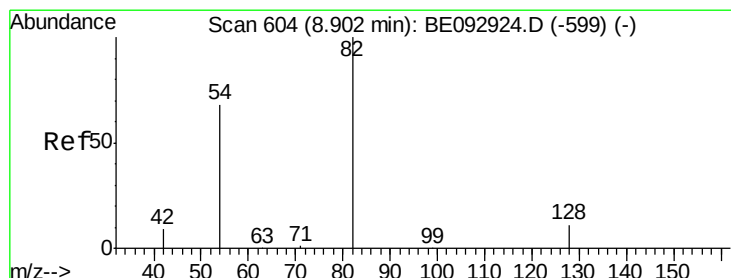
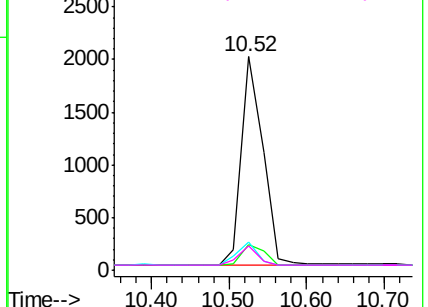
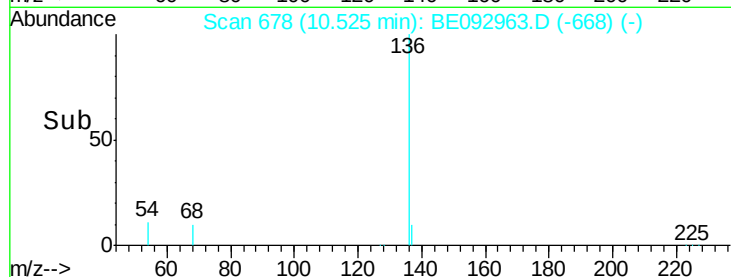


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.34 ng

RT: 8.90 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

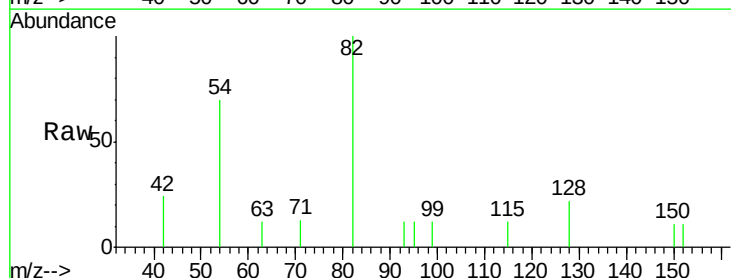
Tgt Ion: 82 Resp: 898

Ion Ratio Lower Upper

82 100

128 21.6 35.3 52.9#

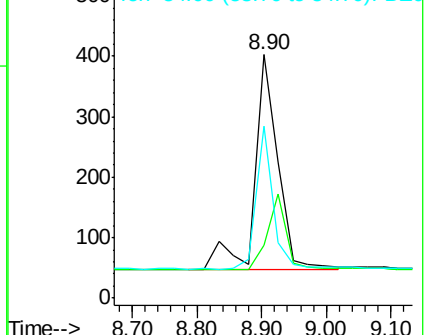
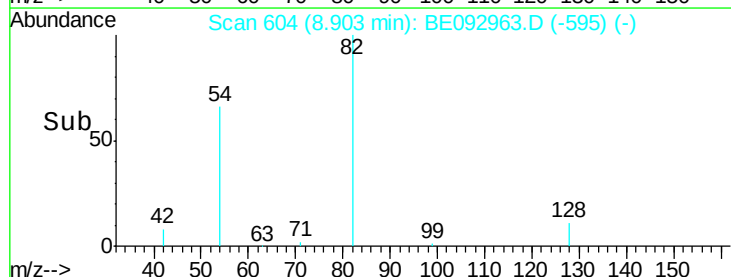
54 70.5 65.1 97.7

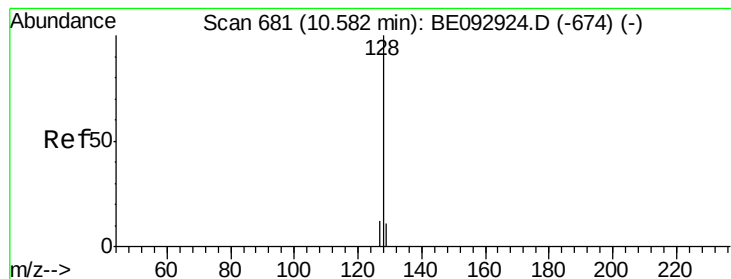


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.30 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

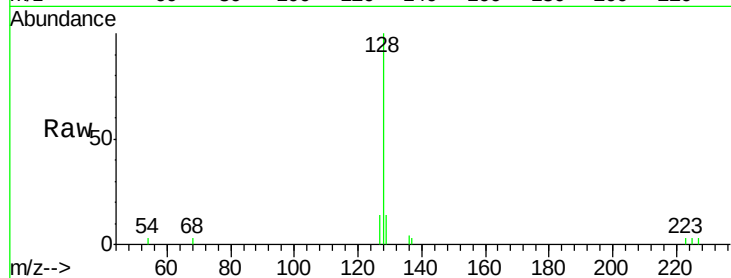
Tgt Ion:128 Resp: 3060

Ion Ratio Lower Upper

128 100

129 13.9 15.8 23.8#

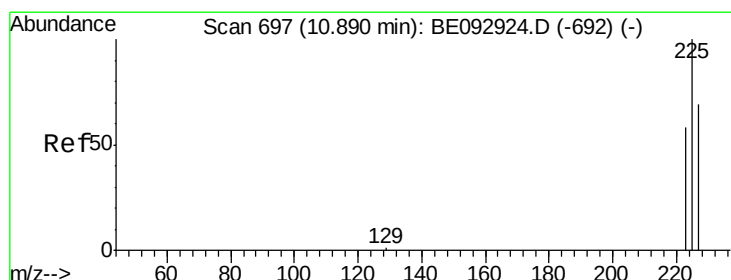
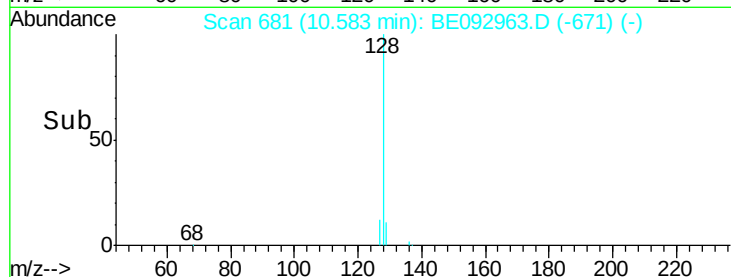
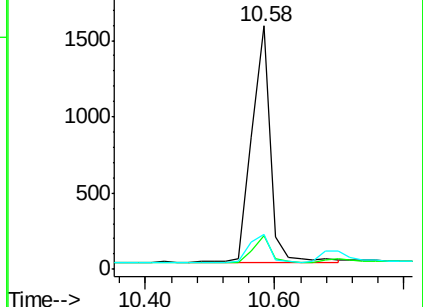
127 14.2 16.0 24.0#



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: 0.31 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

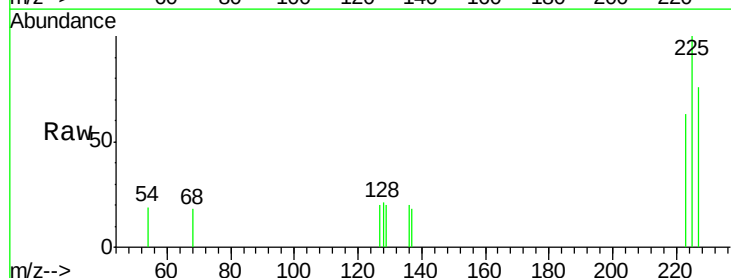
Tgt Ion:225 Resp: 444

Ion Ratio Lower Upper

225 100

223 64.4 55.4 83.2

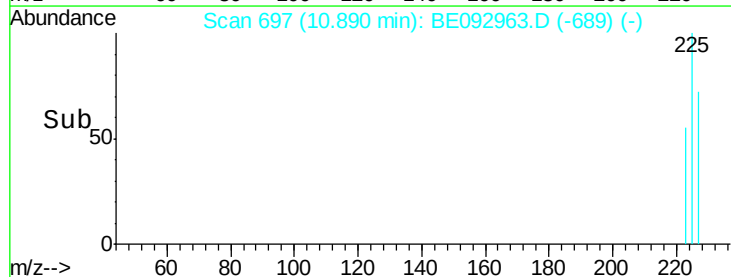
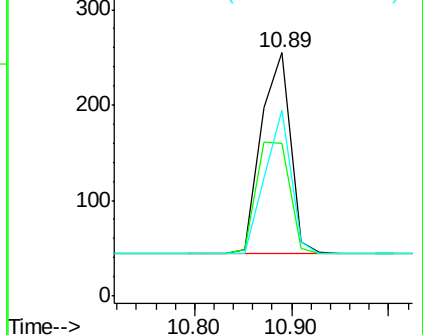
227 64.0 52.2 78.4

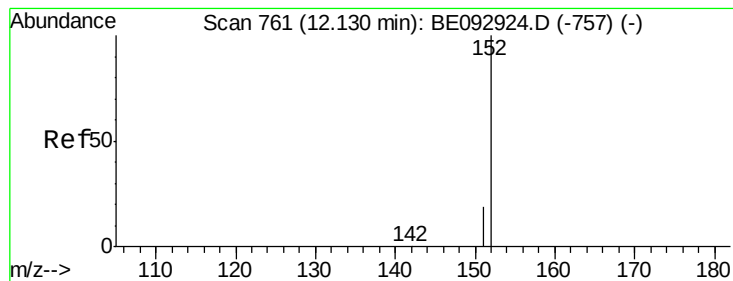


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.29 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

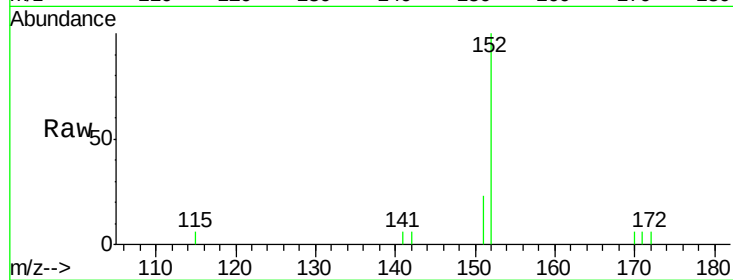
PB98776BSD

Tgt Ion:152 Resp: 1687

Ion Ratio Lower Upper

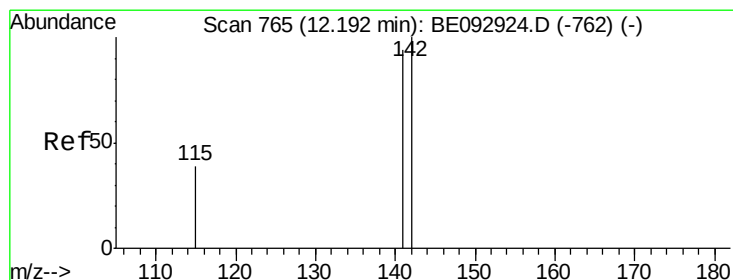
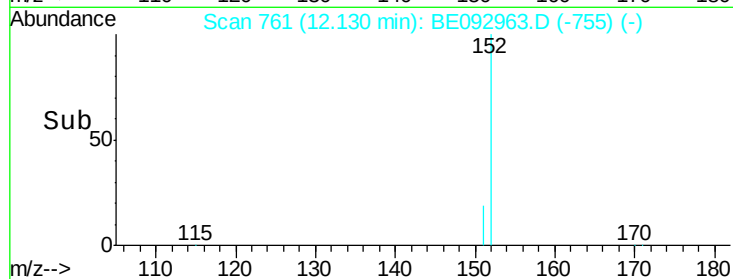
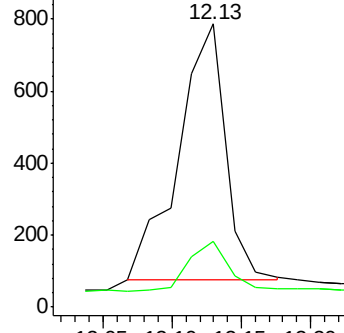
152 100

151 16.5 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.28 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

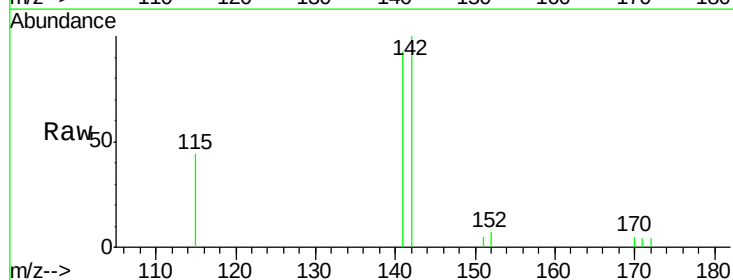
Tgt Ion:142 Resp: 1781

Ion Ratio Lower Upper

142 100

141 93.3 76.0 114.0

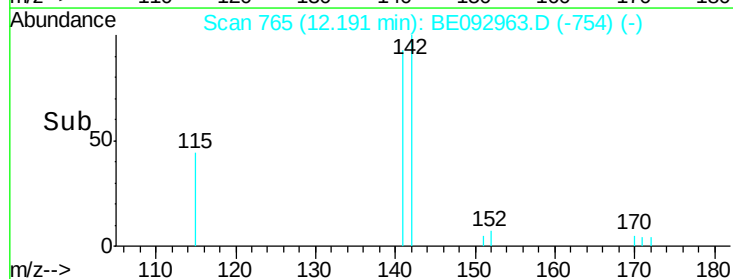
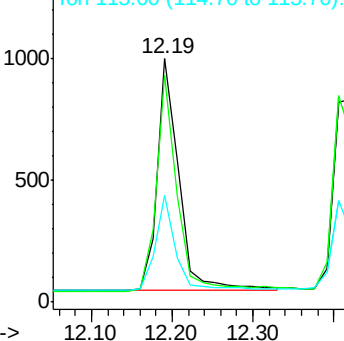
115 43.6 41.6 62.4

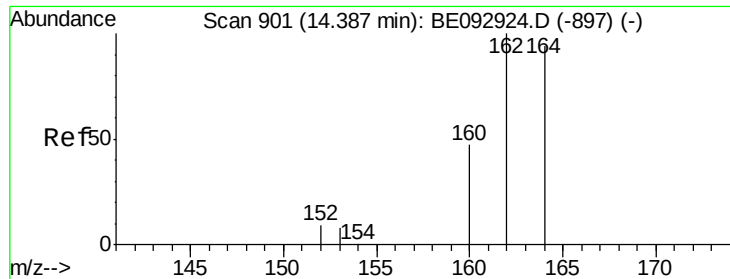


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

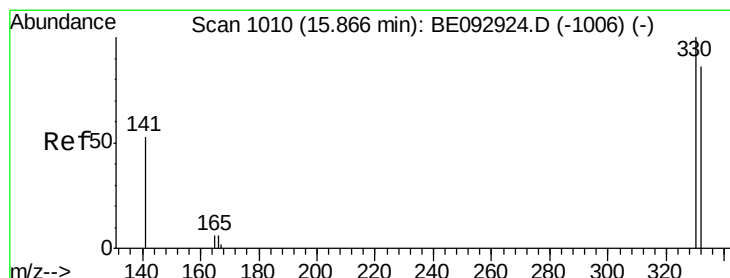
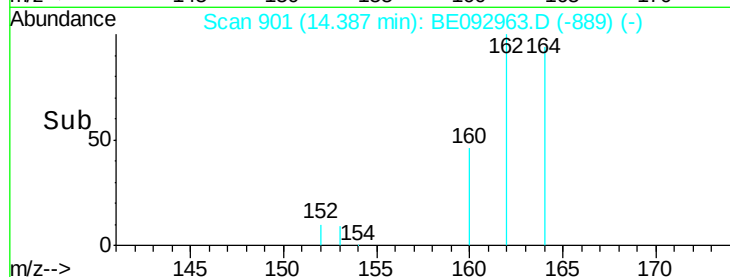
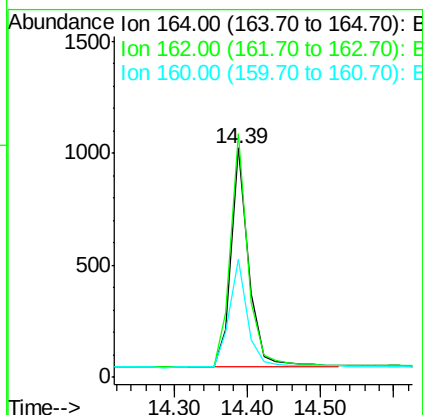
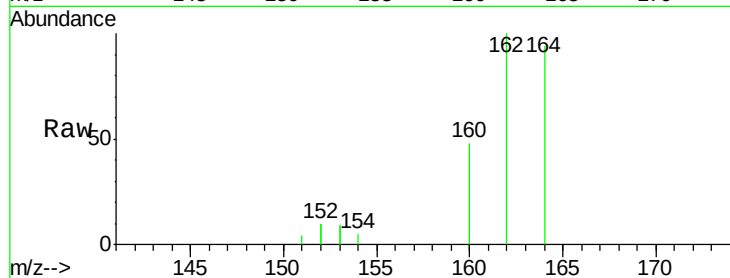




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE092963.D
Acq: 9 May 2017 14:10

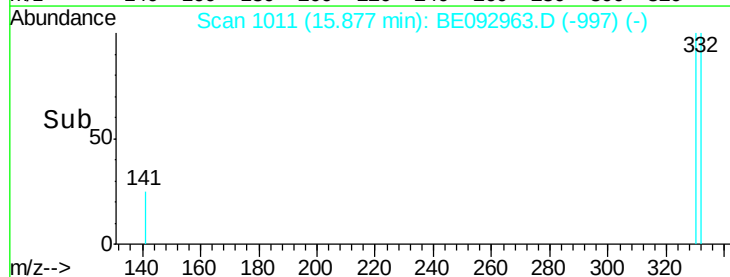
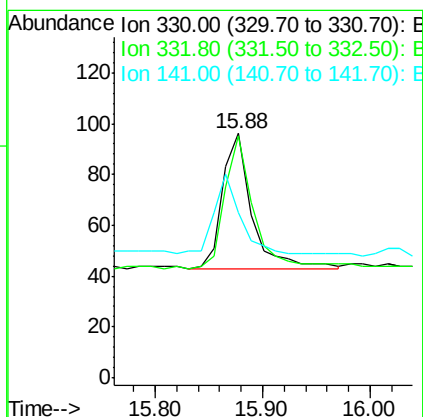
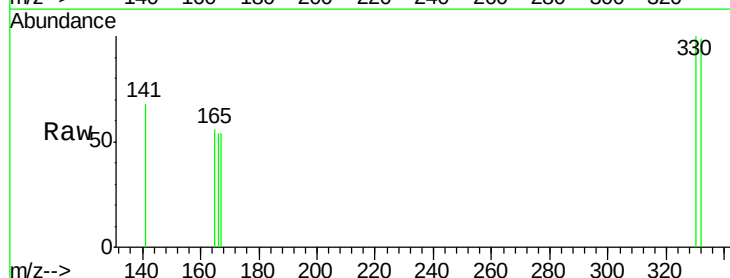
Instrument :
BNA_E
ClientSampleId :
PB98776BSD

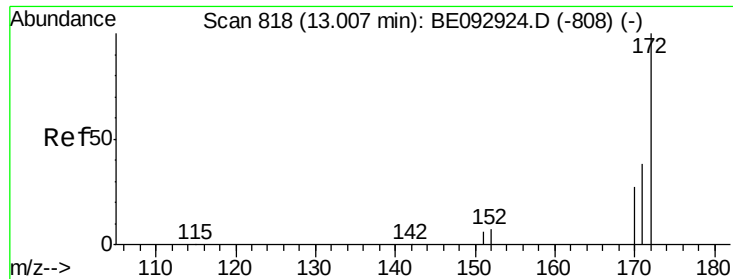
Tgt Ion:164 Resp: 1635
Ion Ratio Lower Upper
164 100
162 106.2 86.6 130.0
160 51.2 44.5 66.7



#14
2,4,6-Tribromophenol
Concen: 0.39 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BE092963.D
Acq: 9 May 2017 14:10

Tgt Ion:330 Resp: 101
Ion Ratio Lower Upper
330 100
332 95.0 69.1 103.7
141 50.5 54.6 81.8#

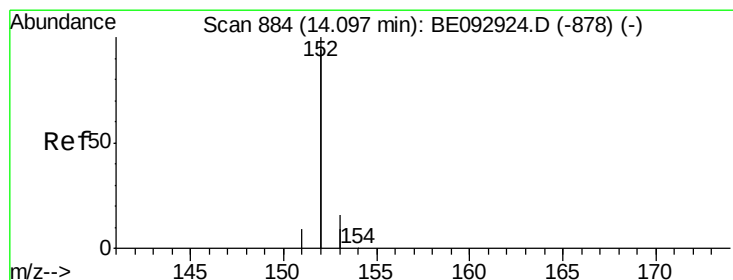
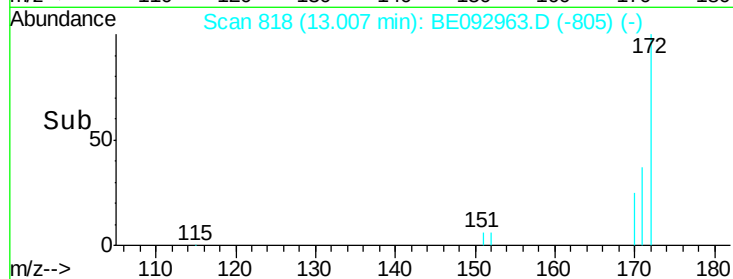
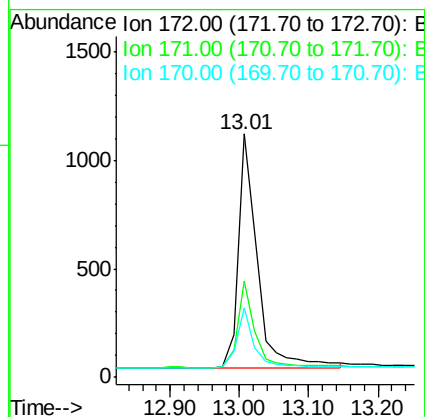
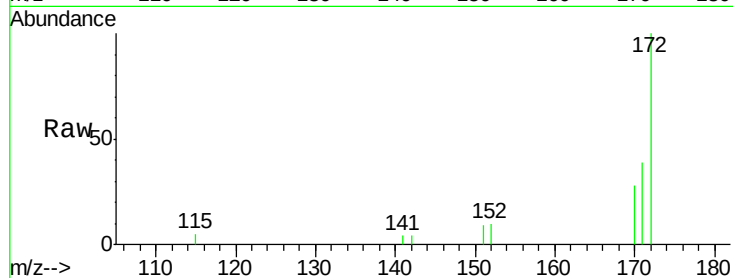




#15
2-Fluorobiphenyl
Concen: 0.27 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092963.D
Acq: 9 May 2017 14:10

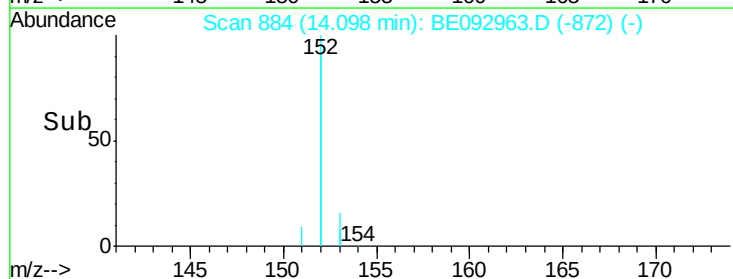
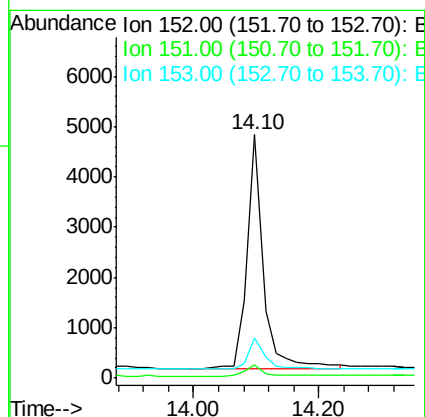
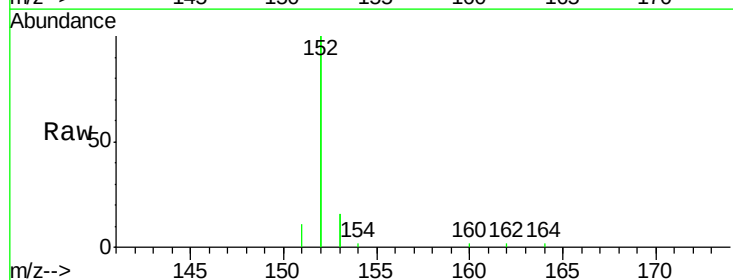
Instrument :
BNA_E
ClientSampleId :
PB98776BSD

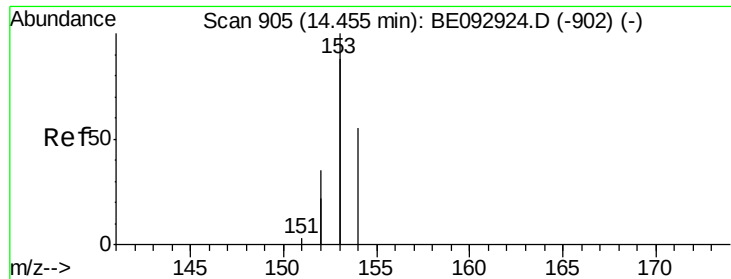
Tgt Ion:172 Resp: 2065
Ion Ratio Lower Upper
172 100
171 39.4 35.8 53.6
170 28.4 28.5 42.7#



#16
Acenaphthylene
Concen: 0.32 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092963.D
Acq: 9 May 2017 14:10

Tgt Ion:152 Resp: 8297
Ion Ratio Lower Upper
152 100
151 5.0 3.8 5.8
153 13.3 10.0 15.0





#17

Acenaphthene

Concen: 0.30 ng

RT: 14.44 min Scan# 904

Delta R.T. -0.02 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

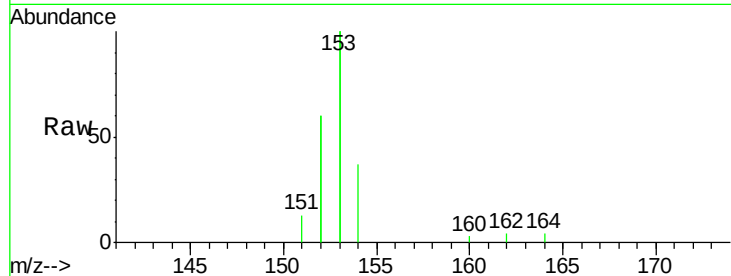
Tgt Ion:154 Resp: 1550

Ion Ratio Lower Upper

154 100

153 456.6 355.6 533.4

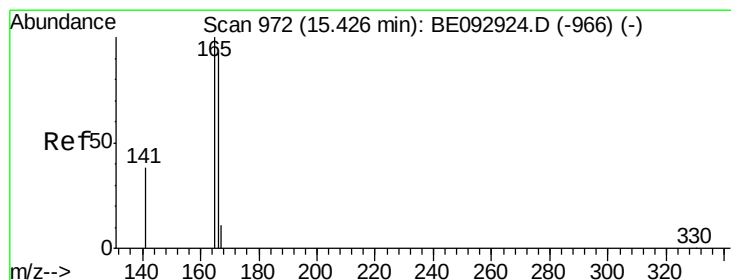
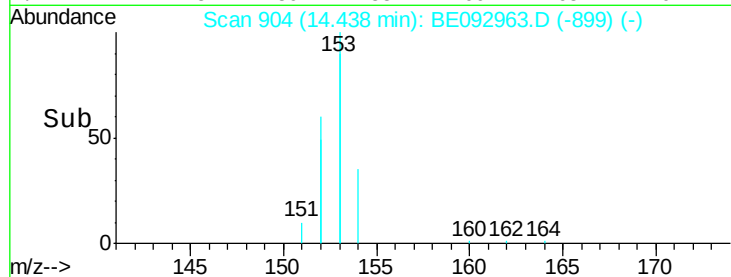
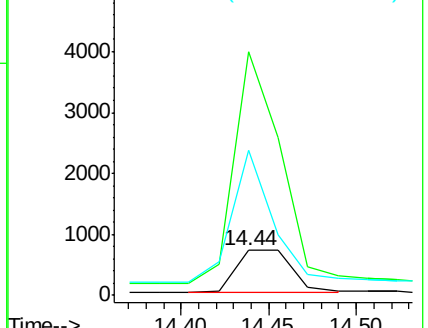
152 228.4 177.8 266.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.28 ng

RT: 15.43 min Scan# 972

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

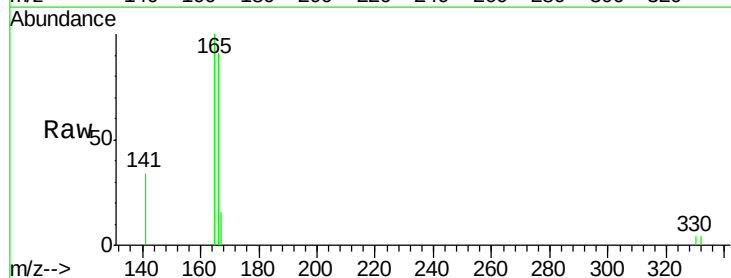
Tgt Ion:166 Resp: 1801

Ion Ratio Lower Upper

166 100

165 99.2 80.7 121.1

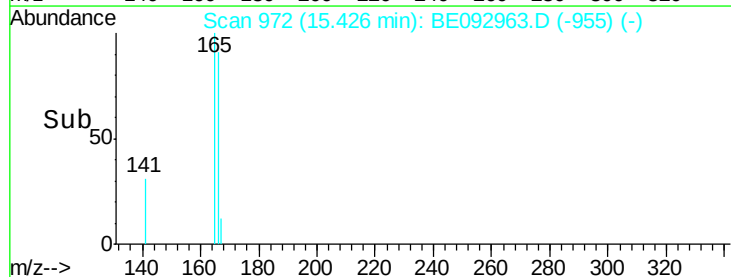
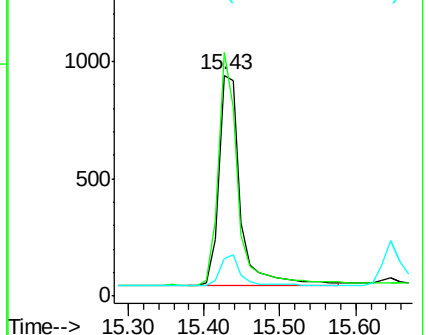
167 14.4 11.3 16.9

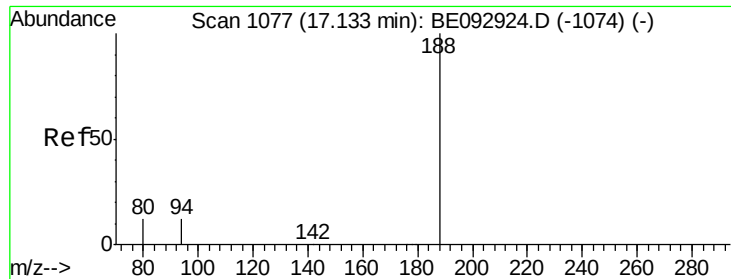


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

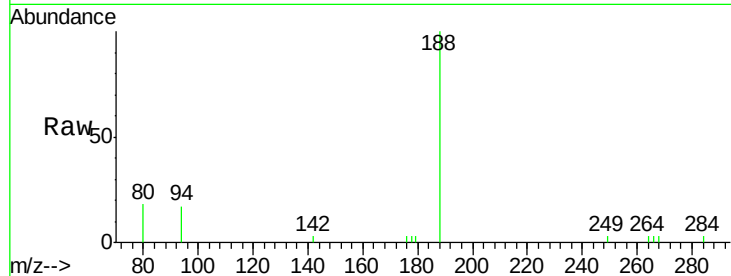
Tgt Ion:188 Resp: 3400

Ion Ratio Lower Upper

188 100

94 17.0 10.2 15.4#

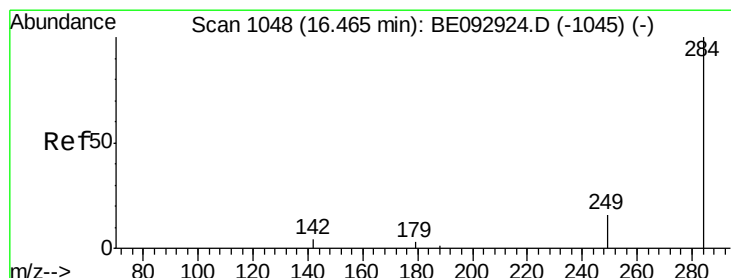
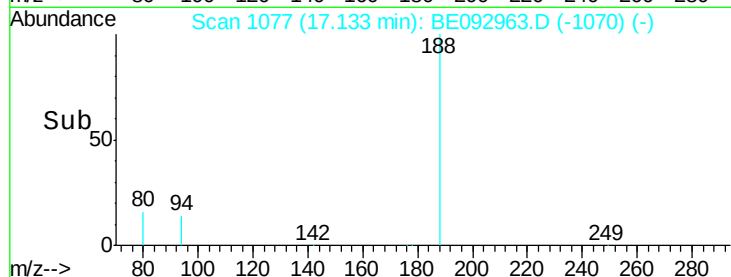
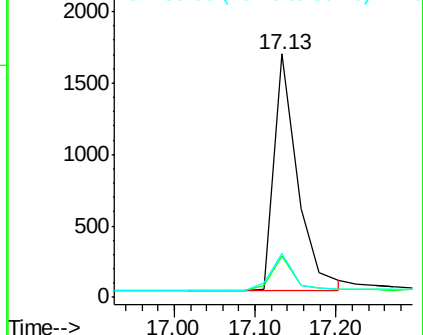
80 18.2 10.6 15.8#



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



#20

Hexachlorobenzene

Concen: 0.35 ng

RT: 16.47 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

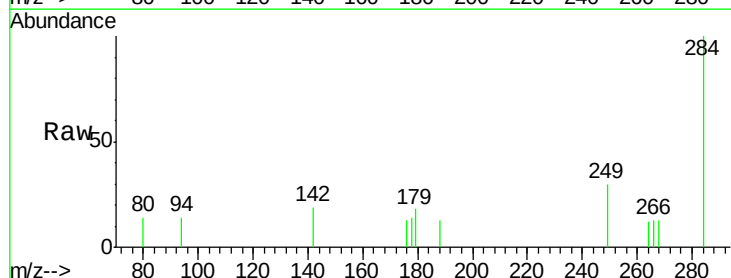
Tgt Ion:284 Resp: 514

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

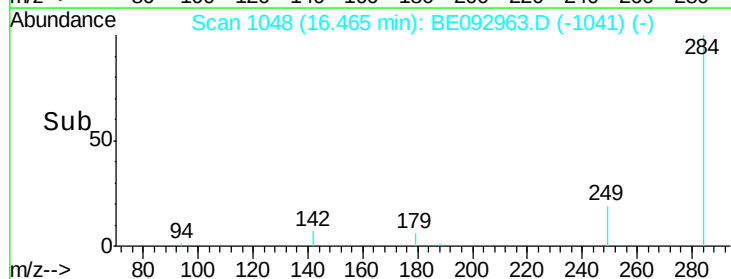
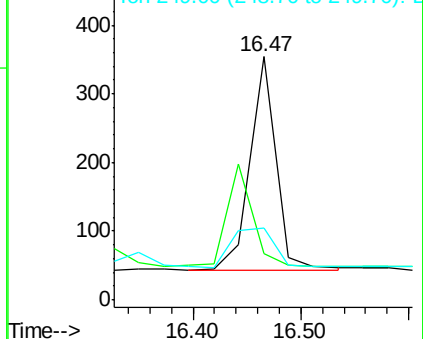
249 28.8 0.0 0.0#

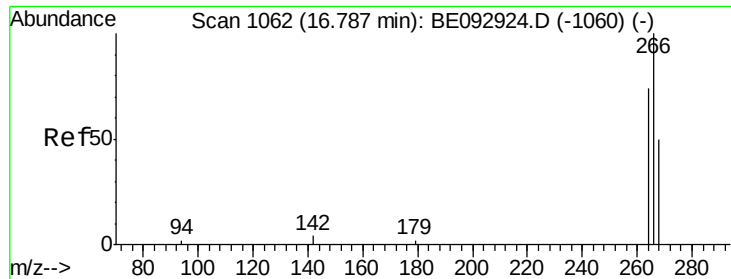


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

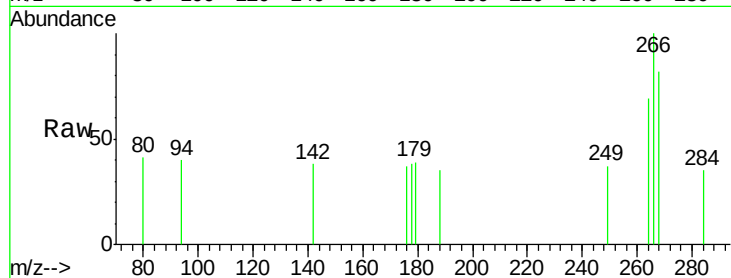




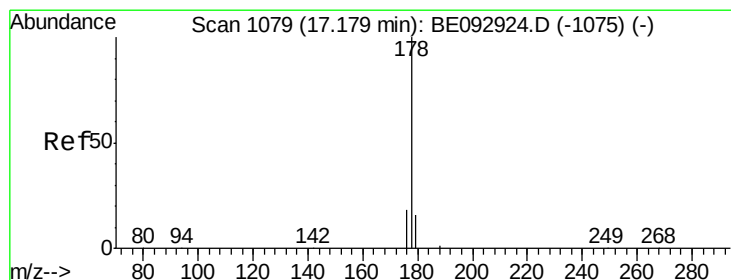
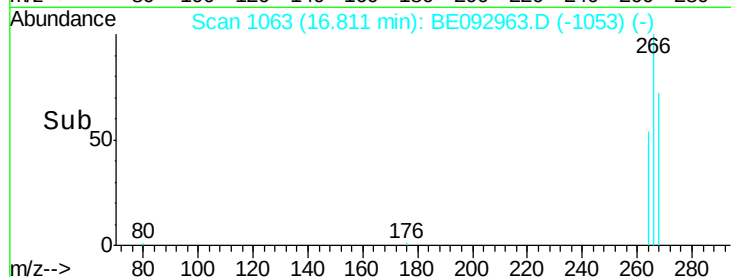
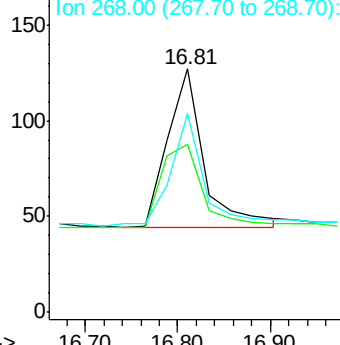
#21
 Pentachlorophenol
 Concen: 0.79 ng
 RT: 16.81 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

Instrument :
 BNA_E
 ClientSampleId :
 PB98776BSD

Tgt Ion: 266 Resp: 231
 Ion Ratio Lower Upper
 266 100
 264 69.3 75.4 113.2#
 268 81.9 75.4 113.2

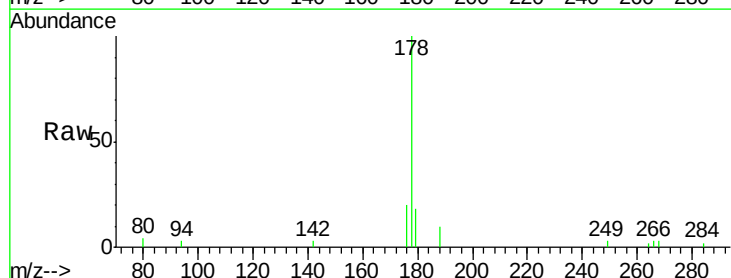


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

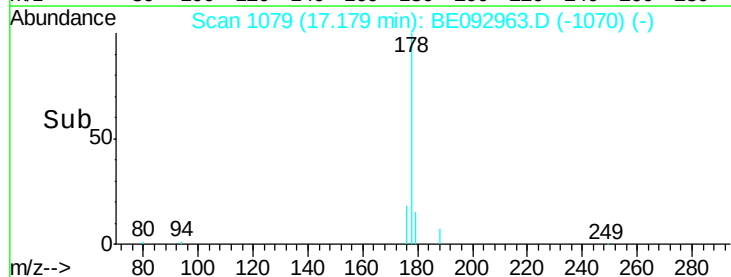
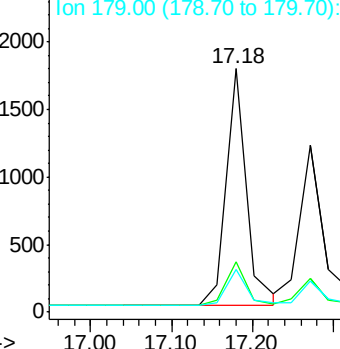


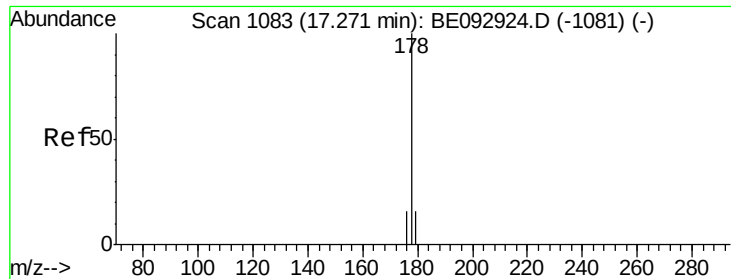
#22
 Phenanthrene
 Concen: 0.32 ng
 RT: 17.18 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

Tgt Ion: 178 Resp: 3068
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.2 21.4
 179 15.4 13.6 20.4



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: 0.33 ng

RT: 17.27 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

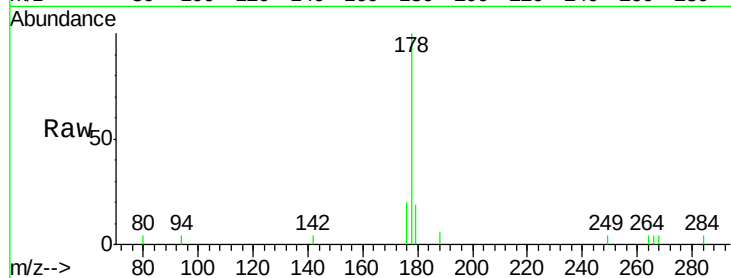
Tgt Ion:178 Resp: 2371

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

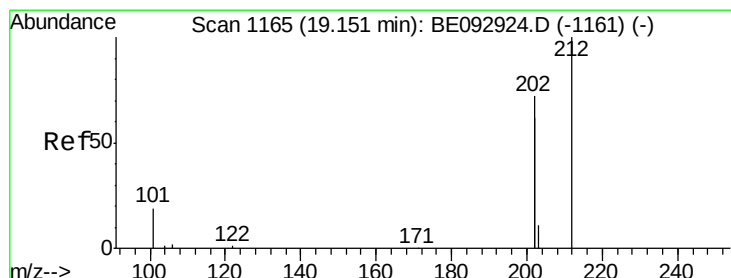
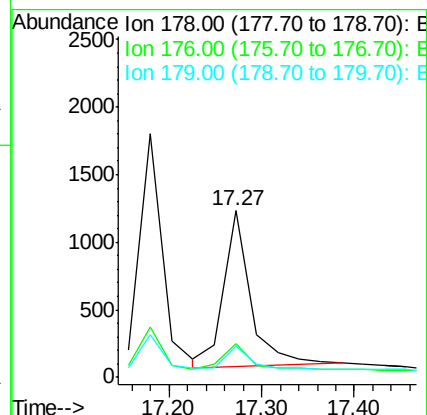
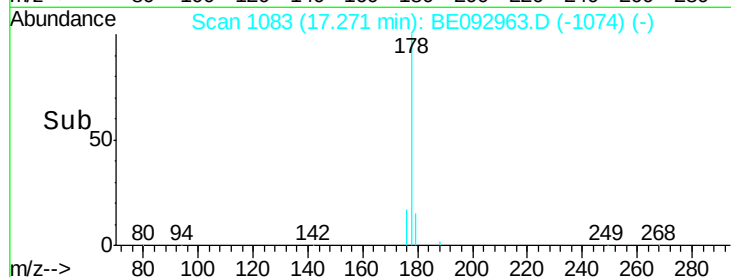
179 14.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene-d10

Concen: 0.32 ng

RT: 19.15 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

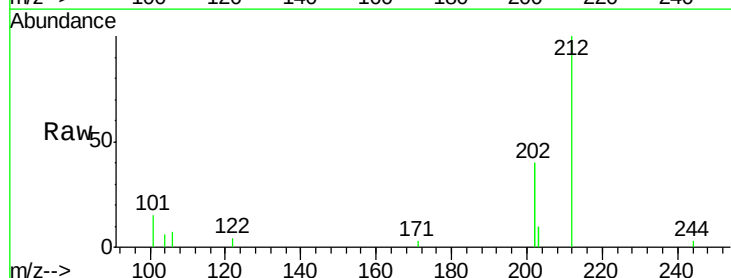
Tgt Ion:212 Resp: 2510

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

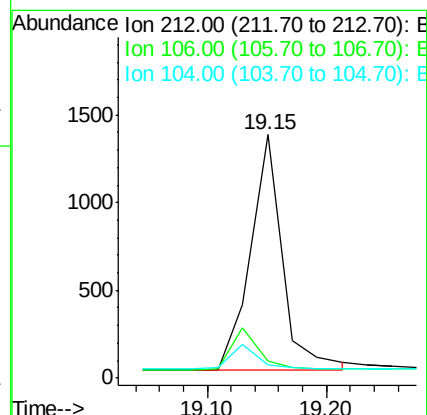
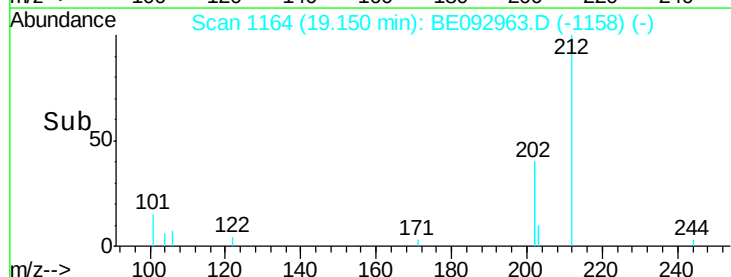
104 0.0 0.0 0.0

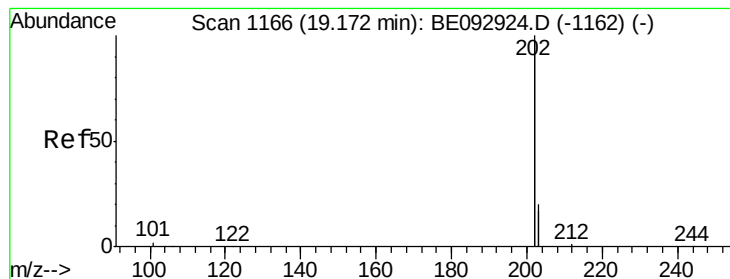


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.32 ng

RT: 19.17 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

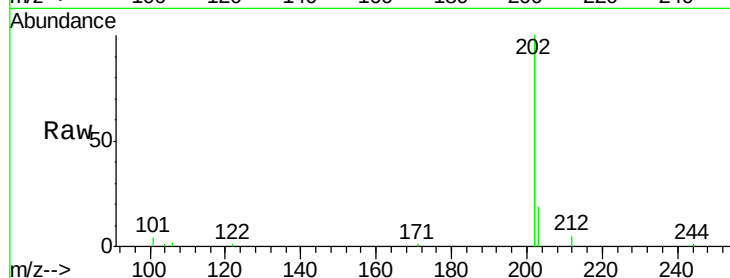
Tgt Ion:202 Resp: 13384

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

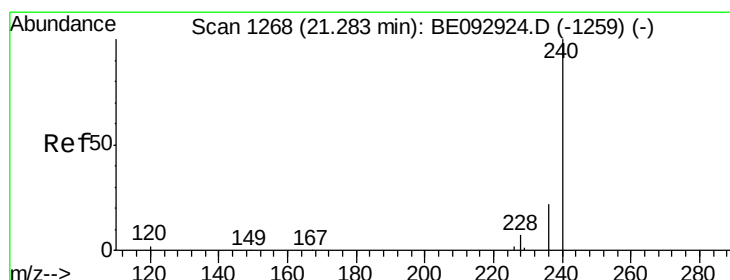
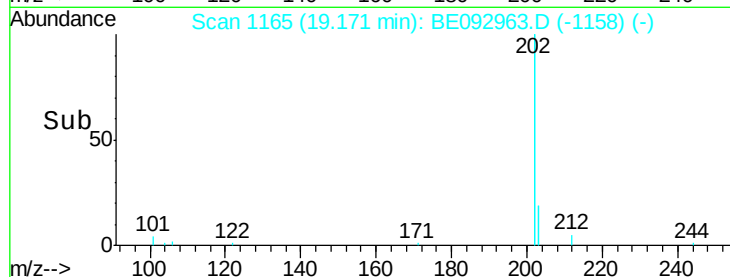
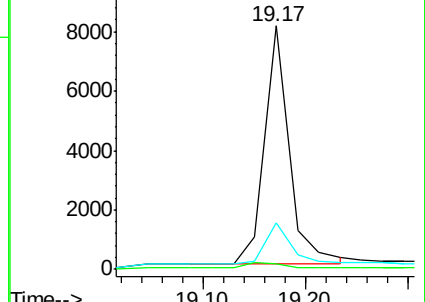
203 16.9 15.3 22.9



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# 1267

Delta R.T. -0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

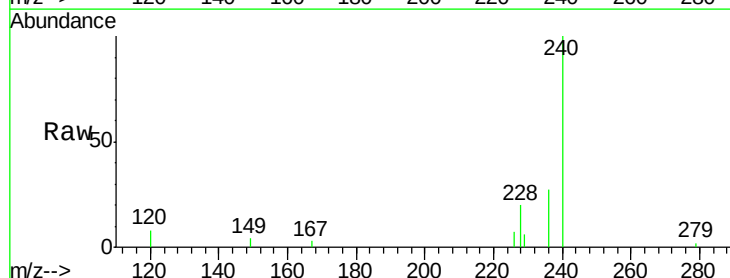
Tgt Ion:240 Resp: 3719

Ion Ratio Lower Upper

240 100

120 7.9 4.6 6.8#

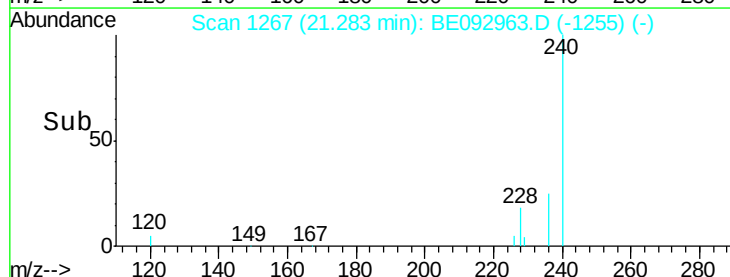
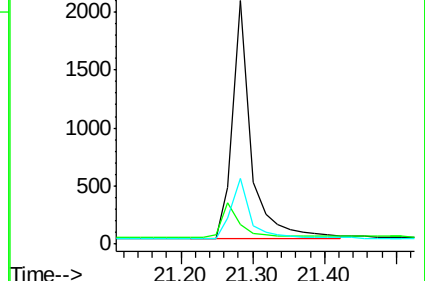
236 27.2 19.8 29.8

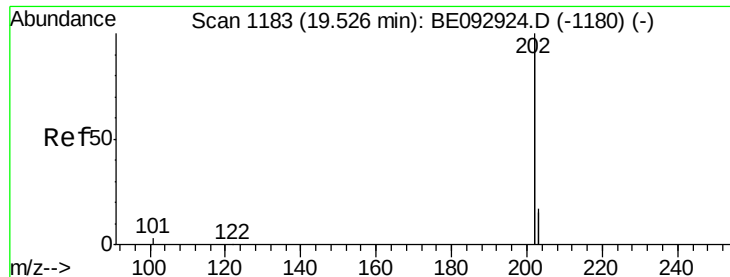


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

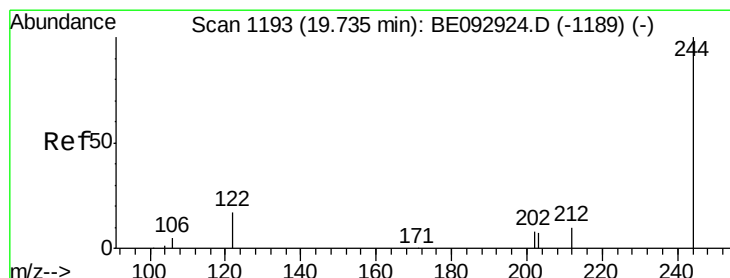
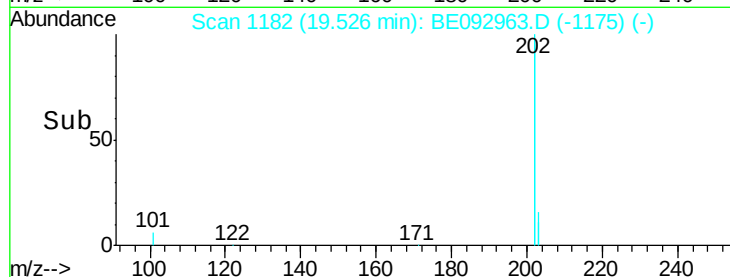
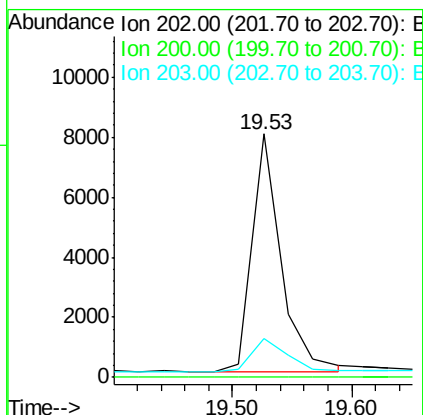
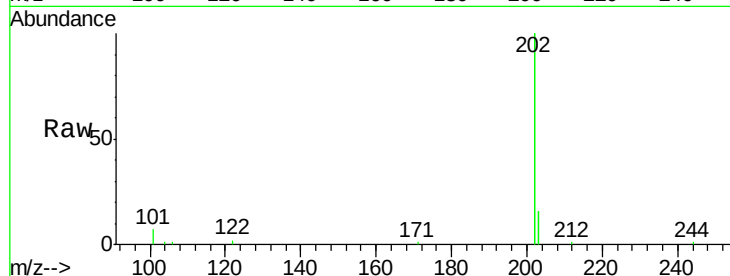




#27
 Pyrene
 Concen: 0.28 ng
 RT: 19.53 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

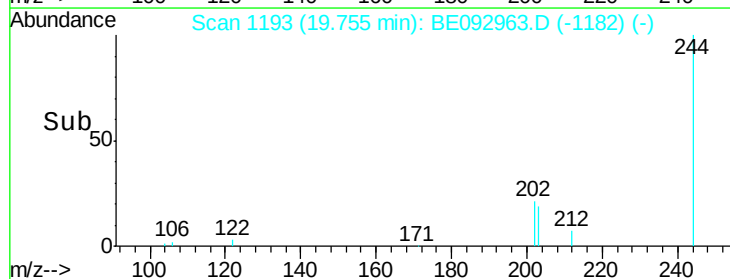
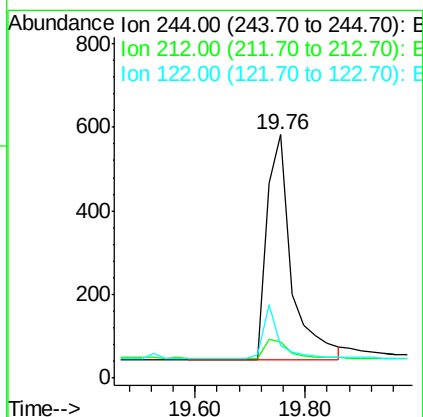
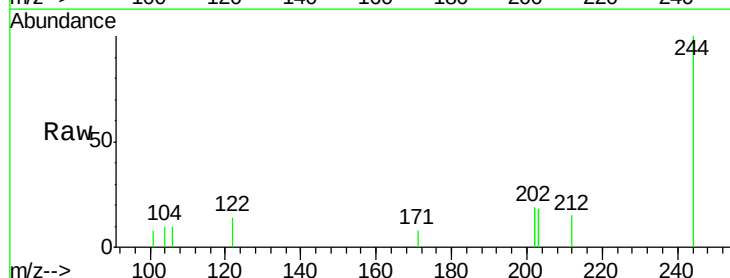
Instrument :
 BNA_E
 ClientSampleId :
 PB98776BSD

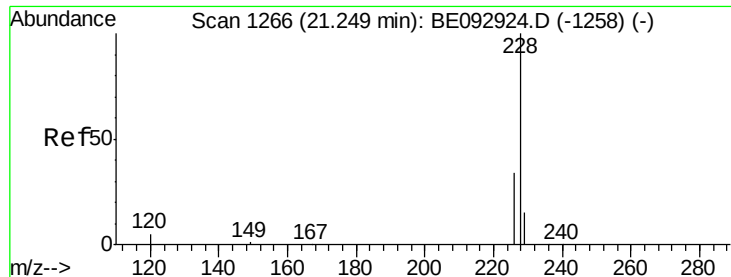
Tgt Ion: 202 Resp: 13354
 Ion Ratio Lower Upper
 202 100
 200 0.0 0.0 0.0
 203 17.1 13.5 20.3



#28
 Terphenyl-d14
 Concen: 0.26 ng
 RT: 19.76 min Scan# 1193
 Delta R.T. 0.02 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

Tgt Ion: 244 Resp: 1663
 Ion Ratio Lower Upper
 244 100
 212 14.9 18.4 27.6#
 122 13.6 23.3 34.9#





#29

Benzo(a)anthracene

Concen: 0.30 ng

RT: 21.27 min Scan# 1266

Delta R.T. 0.02 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

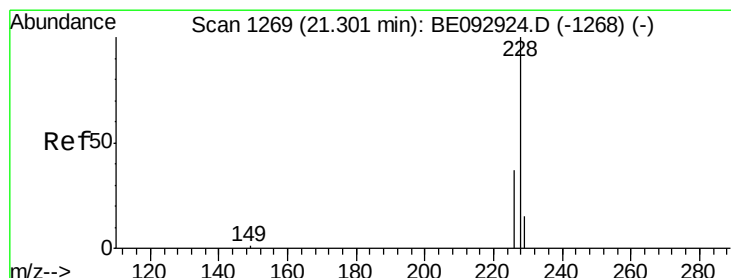
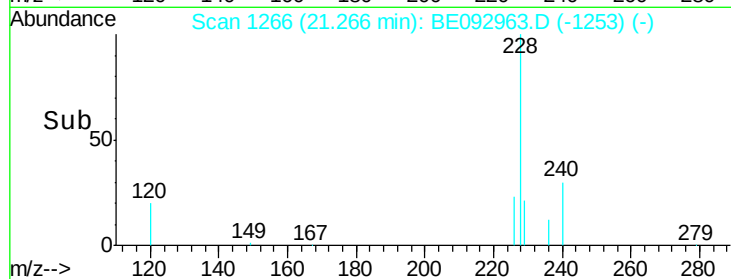
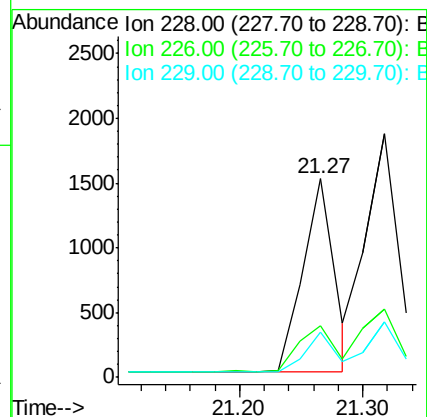
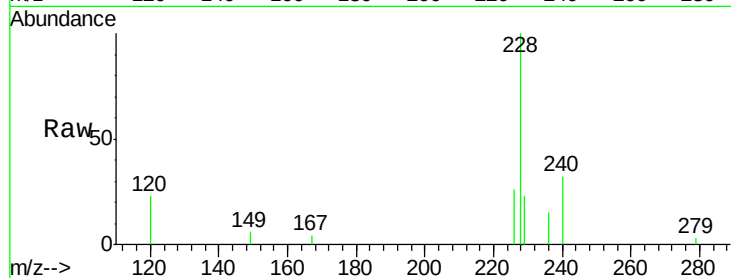
Tgt Ion:228 Resp: 2638

Ion Ratio Lower Upper

228 100

226 25.7 32.0 48.0#

229 23.0 21.4 32.0



#30

Chrysene

Concen: 0.33 ng

RT: 21.32 min Scan# 1269

Delta R.T. 0.02 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

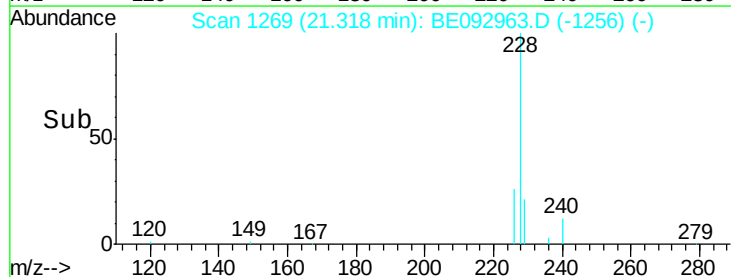
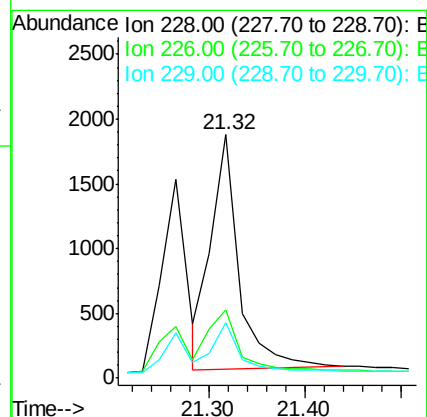
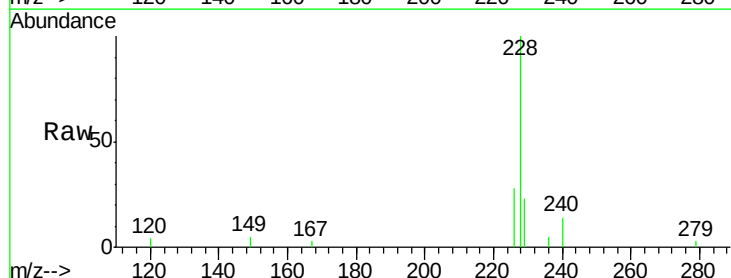
Tgt Ion:228 Resp: 3671

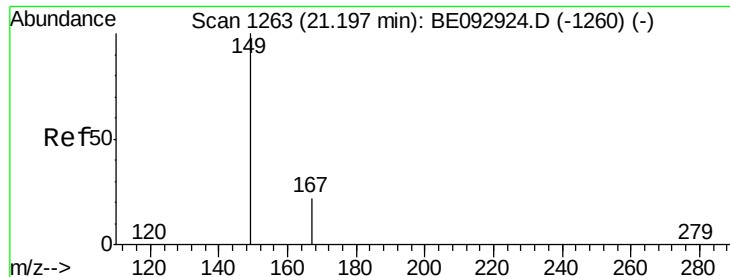
Ion Ratio Lower Upper

228 100

226 28.2 34.2 51.2#

229 23.0 18.6 28.0

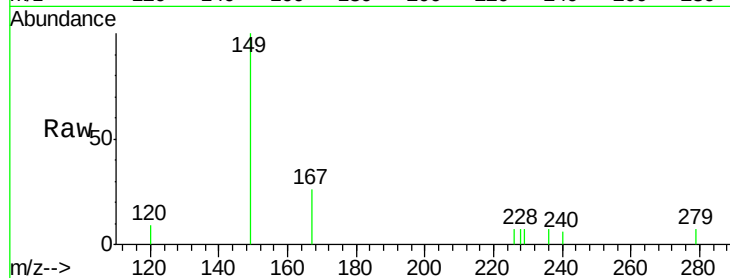




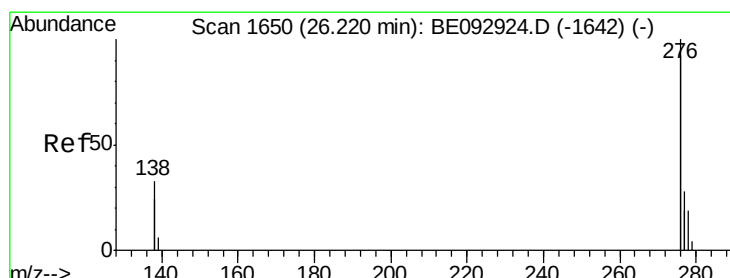
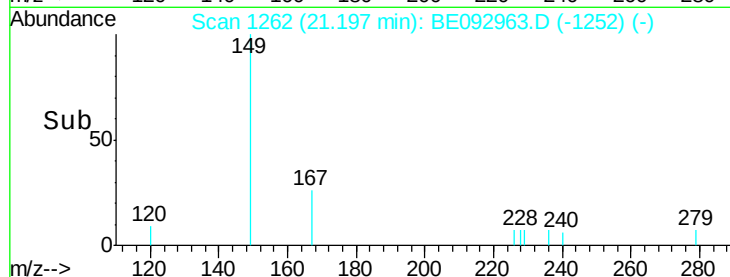
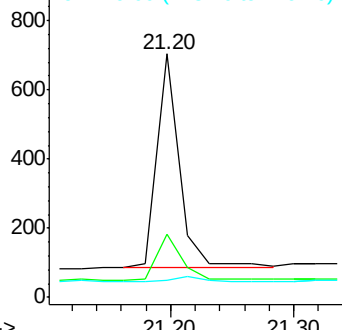
#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.20 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

Instrument :
 BNA_E
 ClientSampleId :
 PB98776BSD

Tgt Ion:149 Resp: 795
 Ion Ratio Lower Upper
 149 100
 167 23.1 20.9 31.3
 279 0.0 0.0 0.0

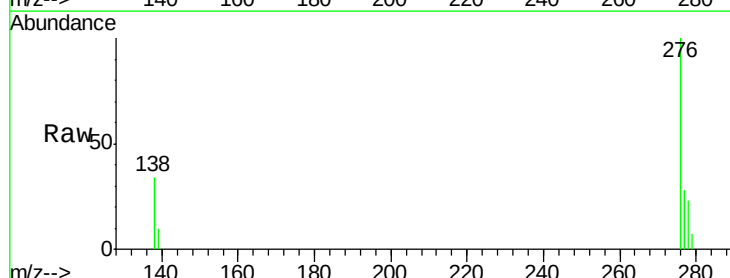


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

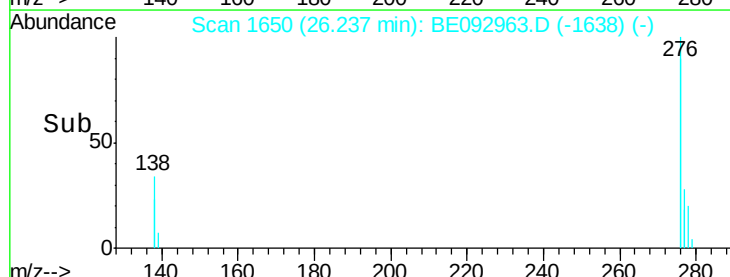
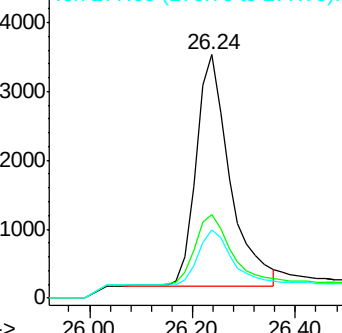


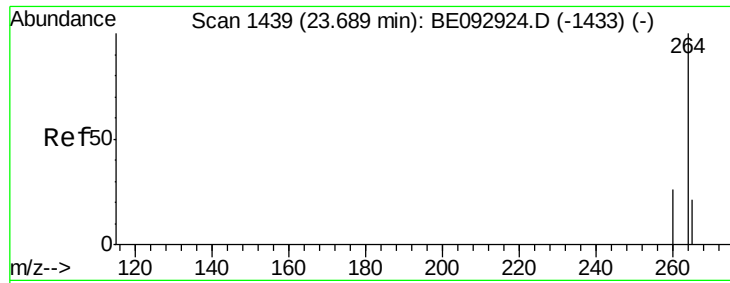
#32
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng
 RT: 26.24 min Scan# 1650
 Delta R.T. 0.02 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

Tgt Ion:276 Resp: 15069
 Ion Ratio Lower Upper
 276 100
 138 32.9 25.8 38.6
 277 24.7 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

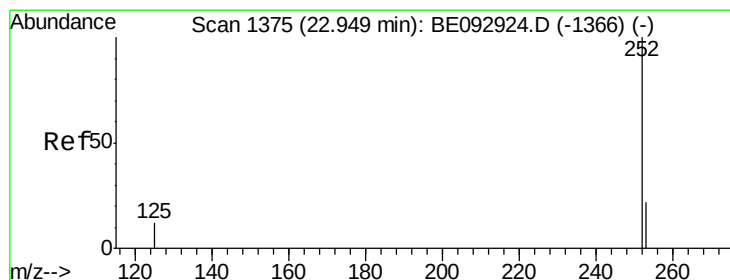
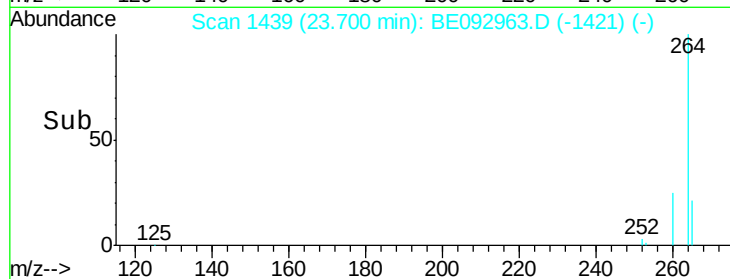
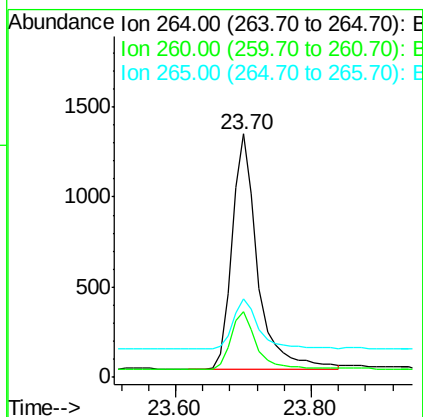
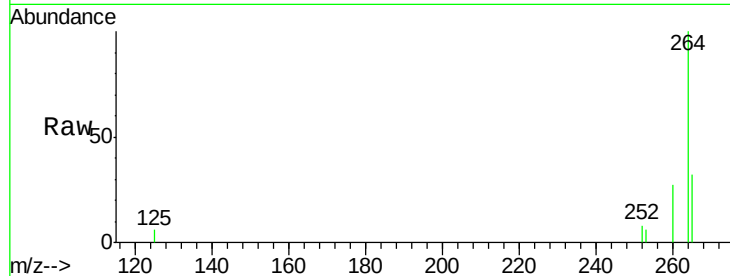




#33
Perylene-d12
 Concen: 0.40 ng
 RT: 23.70 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

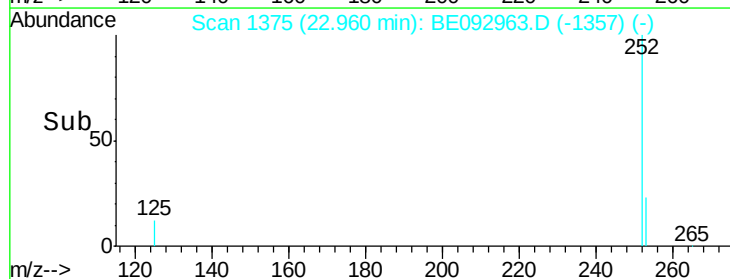
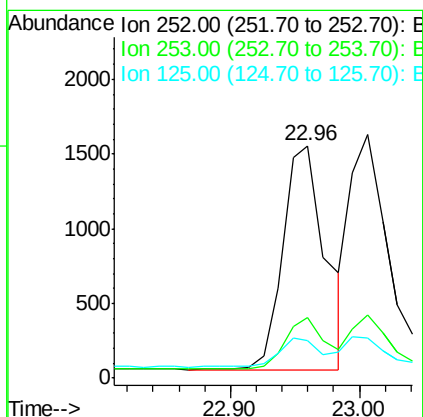
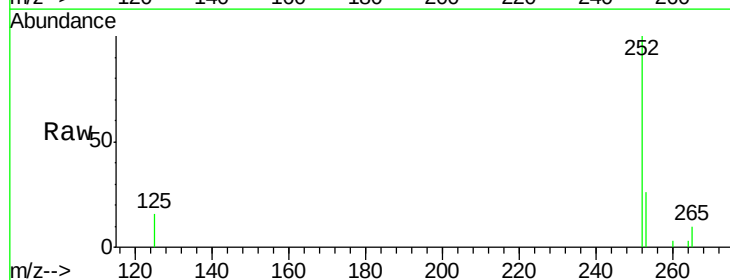
Instrument :
 BNA_E
 ClientSampleId :
 PB98776BSD

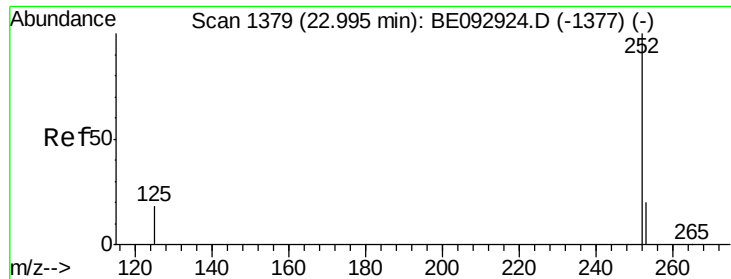
Tgt Ion: 264 Resp: 3418
 Ion Ratio Lower Upper
 264 100
 260 26.9 23.5 35.3
 265 32.1 27.2 40.8



#34
Benzo(b)fluoranthene
 Concen: 0.31 ng
 RT: 22.96 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: BE092963.D
 Acq: 9 May 2017 14:10

Tgt Ion: 252 Resp: 3443
 Ion Ratio Lower Upper
 252 100
 253 25.8 24.7 37.1
 125 16.0 20.3 30.5#





#35

Benzo(k)fluoranthene

Concen: 0.30 ng

RT: 23.01 min Scan# 1379

Delta R.T. 0.01 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

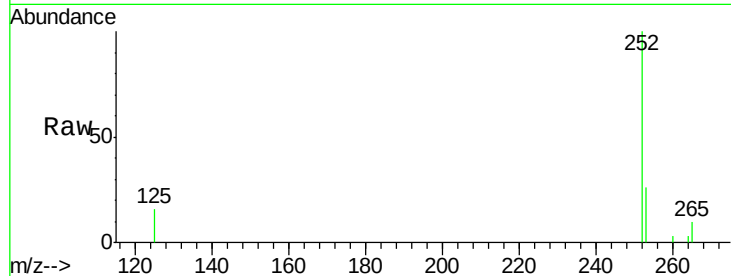
Tgt Ion:252 Resp: 3404

Ion Ratio Lower Upper

252 100

253 25.8 25.8 38.8

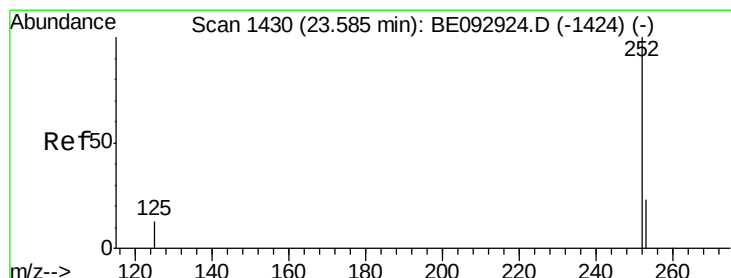
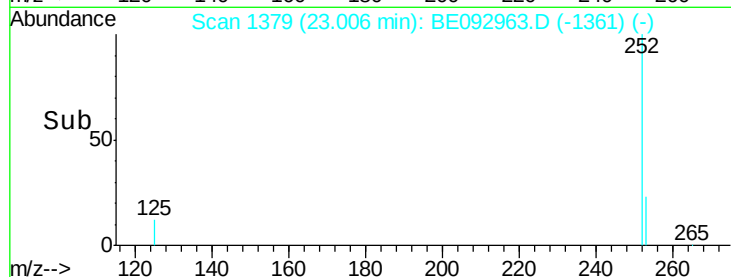
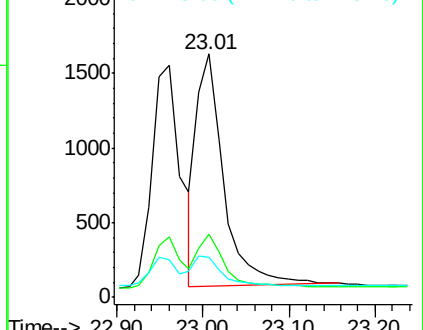
125 16.5 22.9 34.3#



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: 0.31 ng

RT: 23.58 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

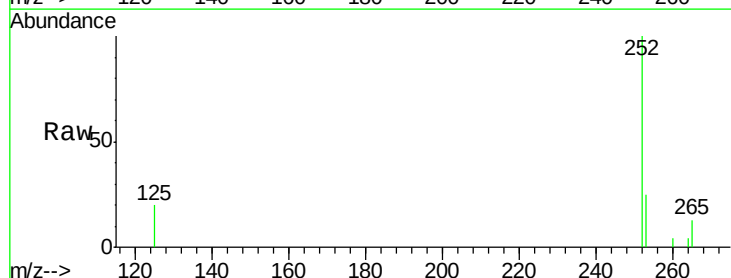
Tgt Ion:252 Resp: 2855

Ion Ratio Lower Upper

252 100

253 25.4 31.3 46.9#

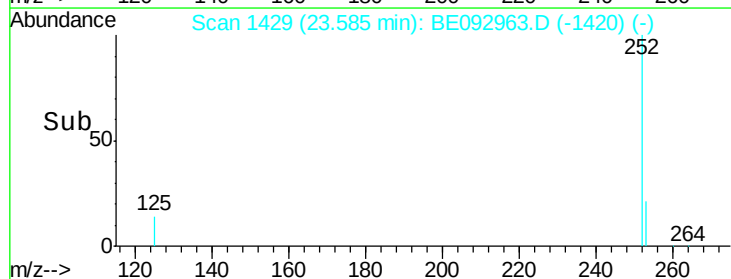
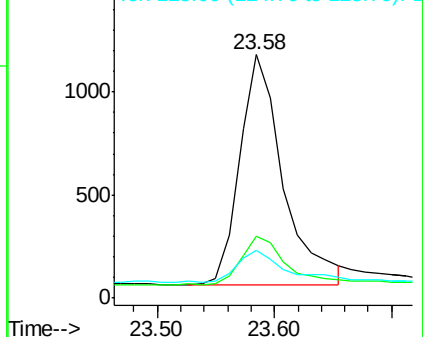
125 19.7 26.4 39.6#

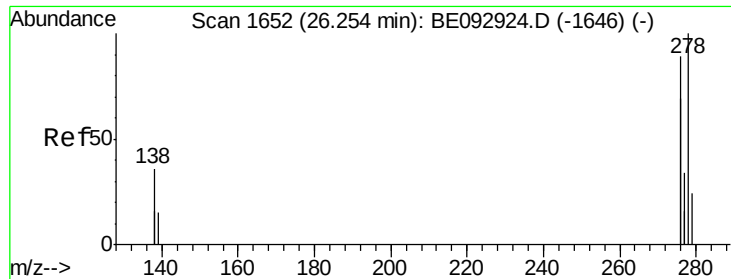


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 26.27 min Scan# 1652

Delta R.T. 0.02 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

Instrument :

BNA_E

ClientSampleId :

PB98776BSD

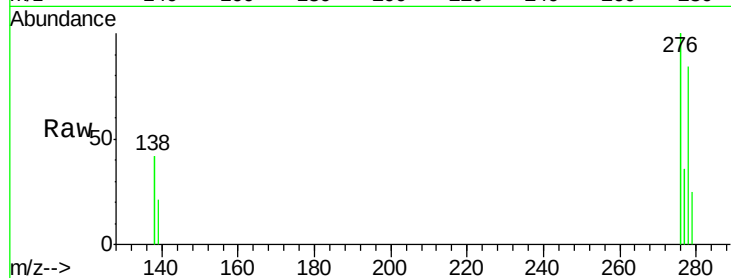
Tgt Ion:278 Resp: 2962

Ion Ratio Lower Upper

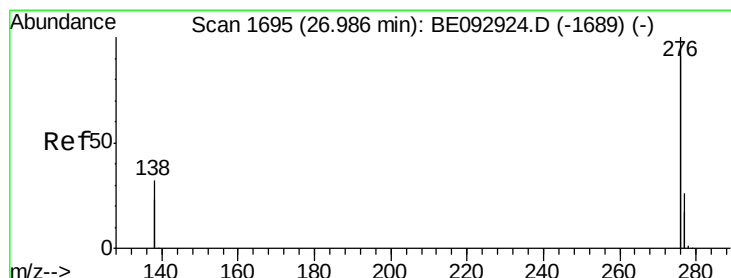
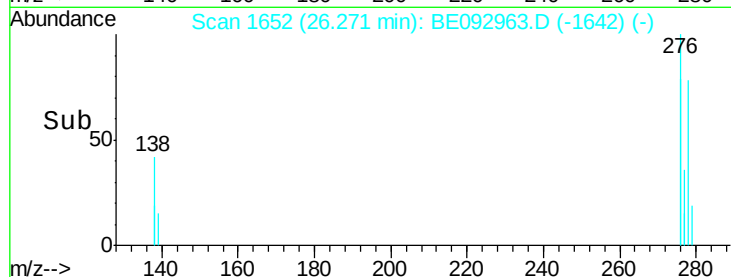
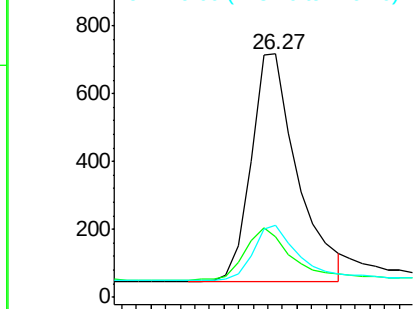
278 100

139 24.7 27.4 41.2#

279 29.4 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



#38

Benzo(g,h,i)perylene

Concen: 0.32 ng

RT: 27.00 min Scan# 1695

Delta R.T. 0.02 min

Lab File: BE092963.D

Acq: 9 May 2017 14:10

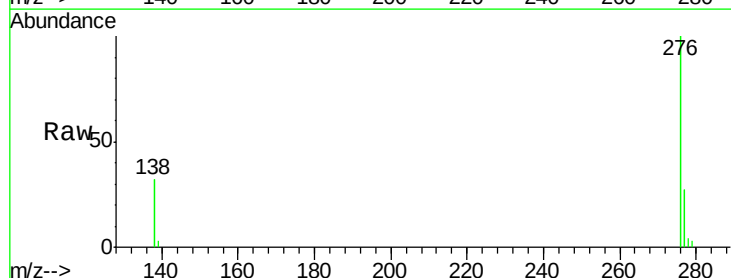
Tgt Ion:276 Resp: 13882

Ion Ratio Lower Upper

276 100

277 27.1 29.9 44.9#

138 32.0 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

