

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093012.D
 Acq On : 12 May 2017 11:29
 Operator : SJ/MA
 Sample : PB98886BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB98886BSD

Quant Time: May 12 17:22:33 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1093	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	4022	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1637	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3325	0.40	ng	0.00
27) Chrysene-d12	21.28	240	3850	0.40	ng	0.00
34) Perylene-d12	23.70	264	3430	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	747	0.25	ng	0.00
5) Phenol-d6	6.92	99	911	0.24	ng	-0.02
8) Nitrobenzene-d5	8.88	82	807	0.26	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1707	0.30	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	105	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	1768	0.27	ng	0.00
25) Fluoranthene-d10	19.14	212	2104	0.24	ng	-0.02
29) Terphenyl-d14	19.74	244	1840	0.27	ng	0.00

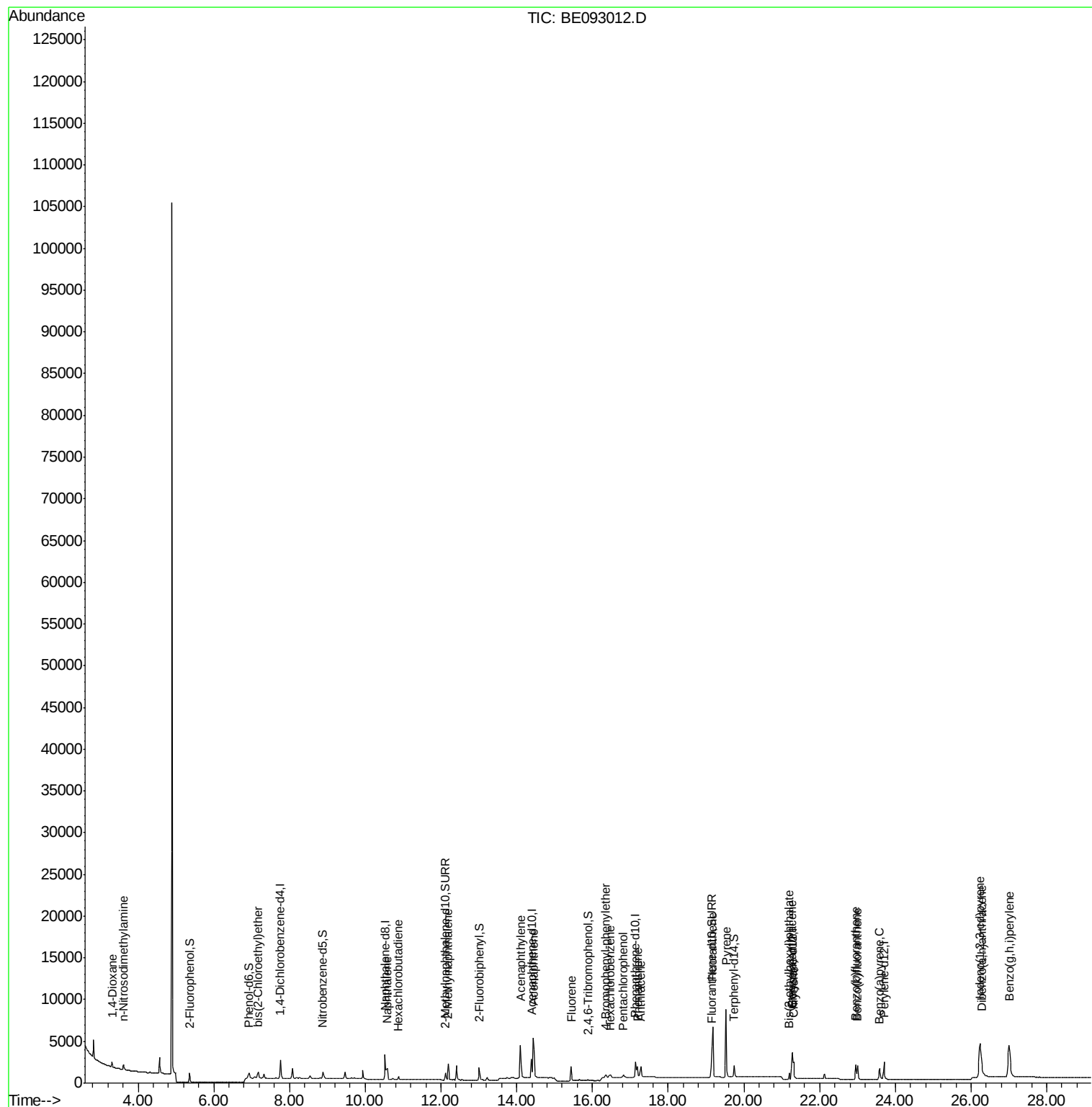
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	378	0.17	ng	# 37
3) n-Nitrosodimethylamine	3.61	42	412	0.22	ng	# 92
6) bis(2-Chloroethyl)ether	7.18	93	831	0.23	ng	# 99
9) Naphthalene	10.58	128	2456	0.23	ng	97
10) Hexachlorobutadiene	10.87	225	344	0.23	ng	98
12) 2-Methylnaphthalene	12.19	142	1455	0.23	ng	99
16) Acenaphthylene	14.10	152	6463	0.23	ng	99
17) Acenaphthene	14.45	154	1179	0.23	ng	98
18) Fluorene	15.44	166	1372	0.22	ng	98
20) 4-Bromophenyl-phenylether	16.36	248	280	0.26	ng	96
21) Hexachlorobenzene	16.47	284	438	0.23	ng	# 100
22) Pentachlorophenol	16.82	266	254	0.68	ng	92
23) Phenanthrene	17.19	178	2066	0.24	ng	99
24) Anthracene	17.28	178	1847	0.27	ng	98
26) Fluoranthene	19.18	202	10089	0.24	ng	# 100
28) Pyrene	19.53	202	10888	0.23	ng	# 97
30) Benzo(a)anthracene	21.27	228	2245	0.24	ng	97
31) Chrysene	21.32	228	2759	0.23	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	749	0.26	ng	100
33) Indeno(1,2,3-cd)pyrene	26.24	276	11322	0.30	ng	98
35) Benzo(b)fluoranthene	22.95	252	2518	0.23	ng	97
36) Benzo(k)fluoranthene	23.00	252	2675	0.24	ng	96
37) Benzo(a)pyrene	23.58	252	2348	0.24	ng	96
38) Dibenzo(a,h)anthracene	26.27	278	2277	0.26	ng	96
39) Benzo(g,h,i)perylene	27.00	276	10260	0.26	ng	96

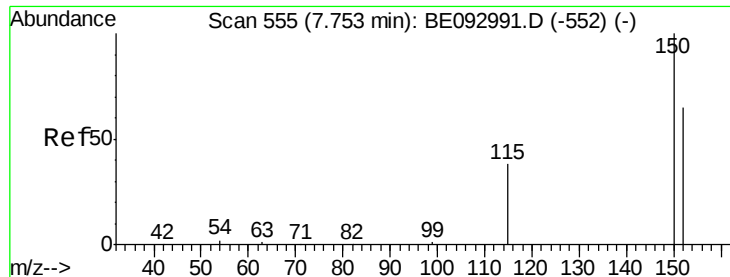
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleID :

PB98886BSD

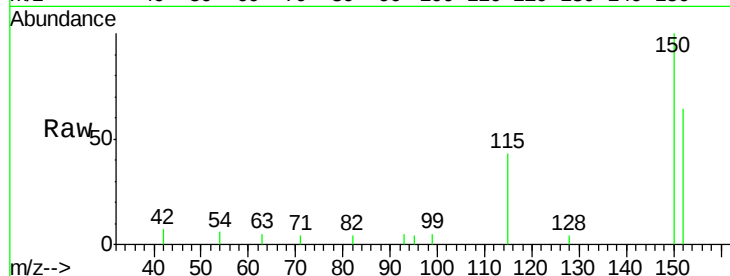
Tgt Ion:152 Resp: 1093

Ion Ratio Lower Upper

152 100

150 156.4 125.1 187.7

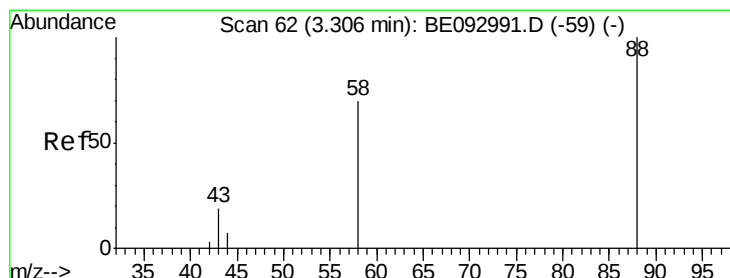
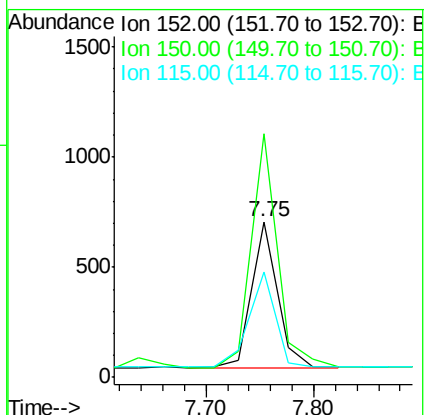
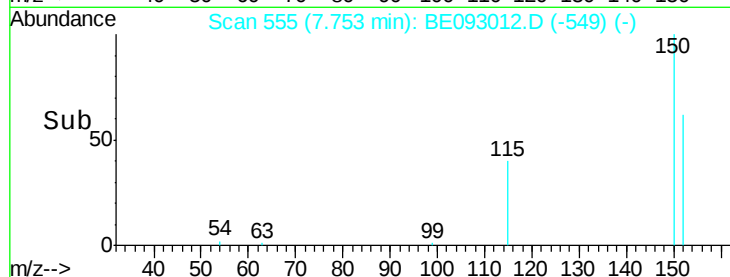
115 67.5 55.7 83.5



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: 0.17 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

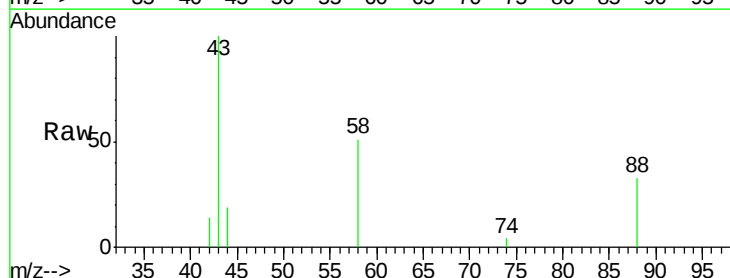
Tgt Ion: 88 Resp: 378

Ion Ratio Lower Upper

88 100

58 103.4 62.2 93.4#

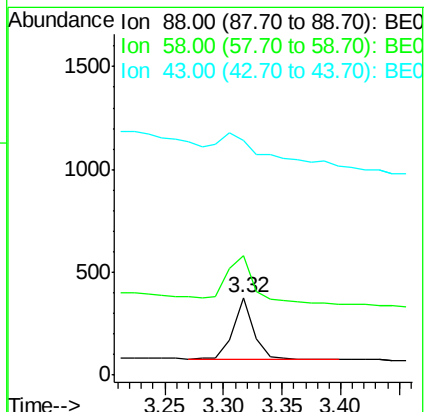
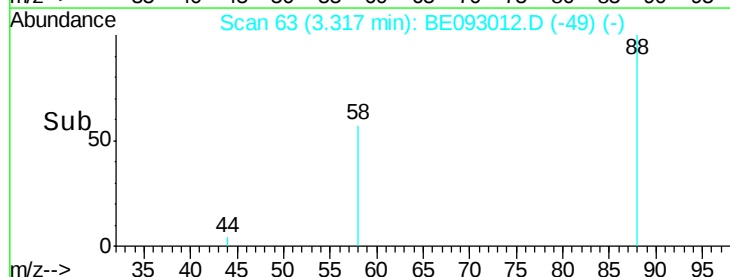
43 109.8 23.2 34.8#

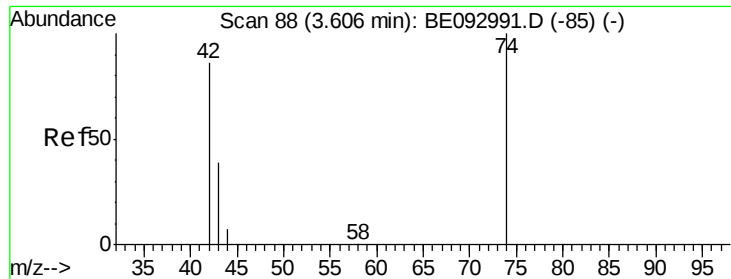


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.22 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

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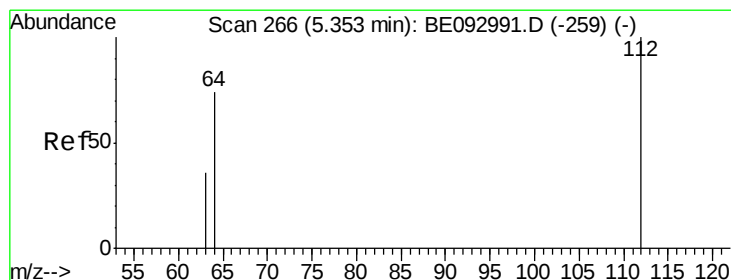
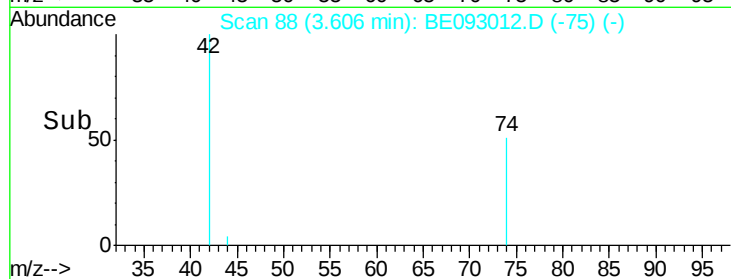
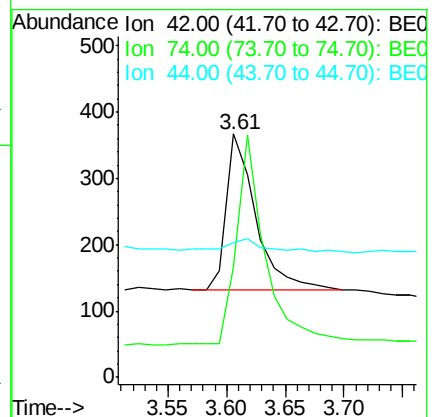
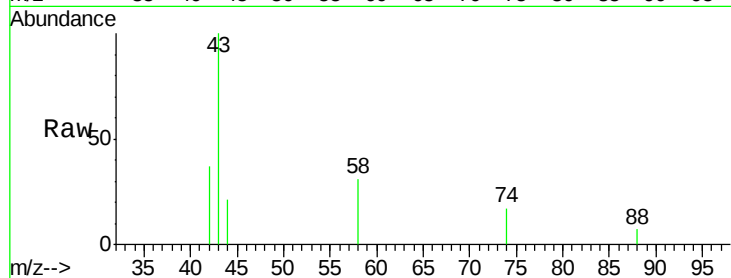
Tgt Ion: 42 Resp: 412

Ion Ratio Lower Upper

42 100

74 132.5 99.1 148.7

44 11.9 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.25 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

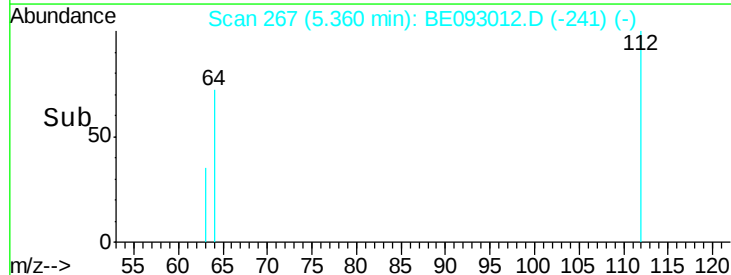
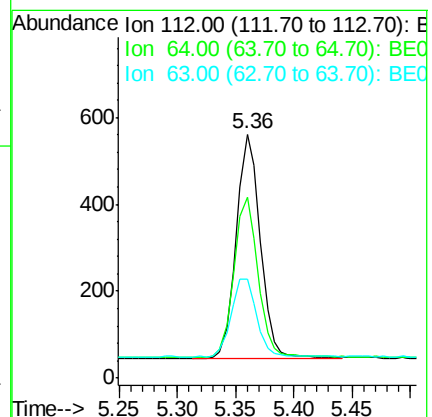
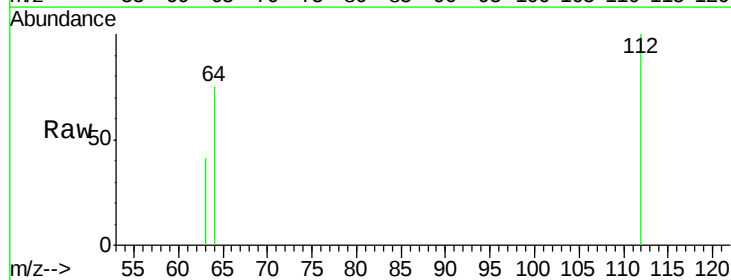
Tgt Ion: 112 Resp: 747

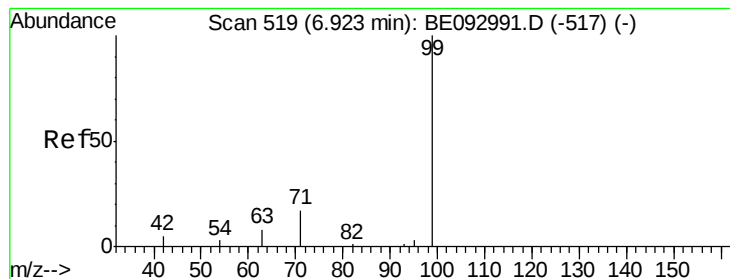
Ion Ratio Lower Upper

112 100

64 71.0 56.4 84.6

63 36.4 29.3 43.9





#5

Phenol-d6

Concen: 0.24 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

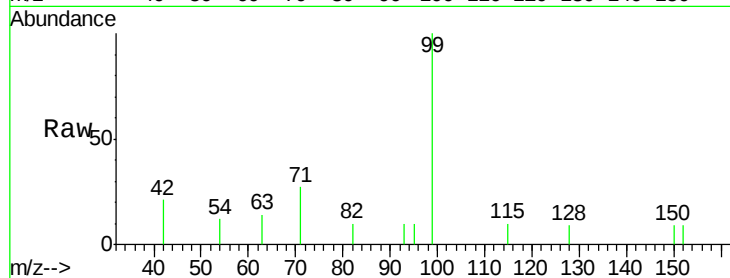
Tgt Ion: 99 Resp: 911

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

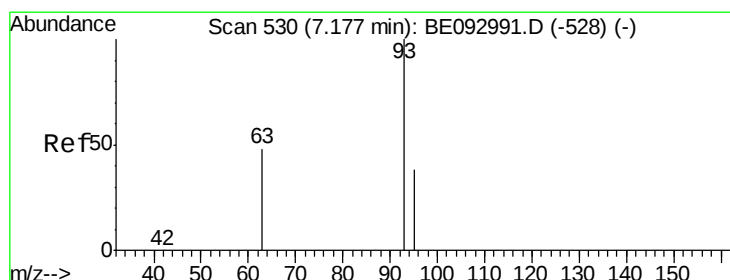
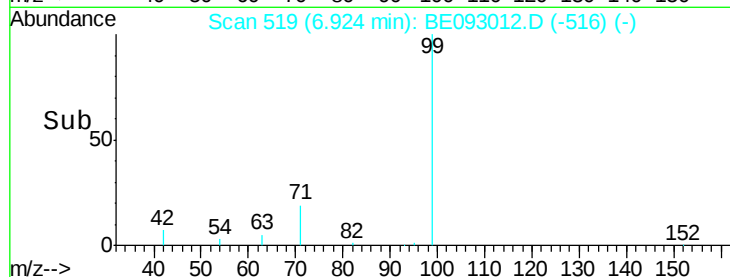
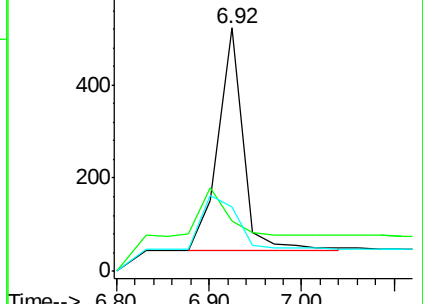
71 0.0 0.0 0.0



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: 0.23 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

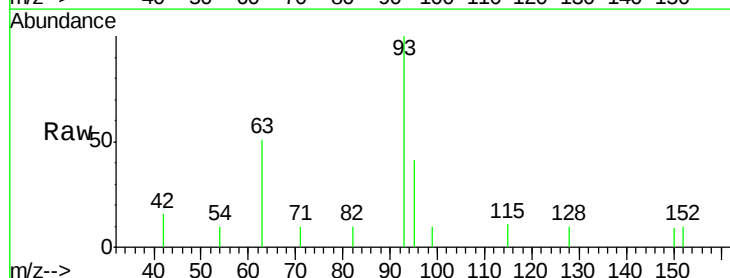
Tgt Ion: 93 Resp: 831

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

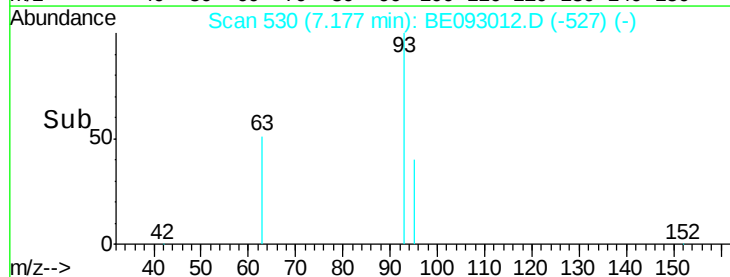
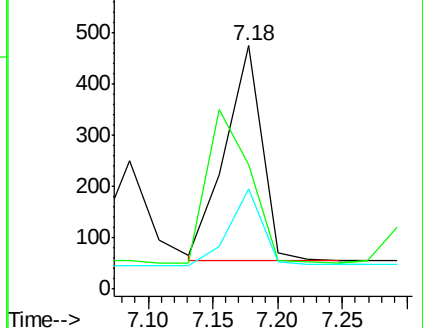
95 32.3 25.4 38.0

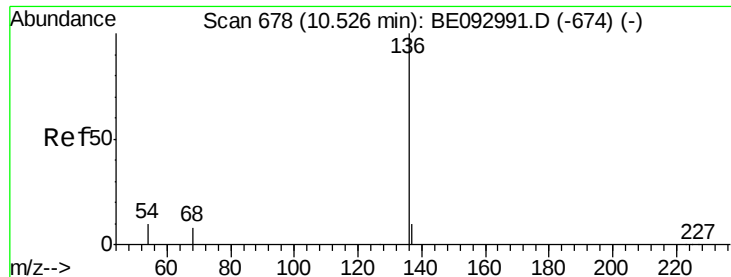


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

Tgt Ion: 136 Resp: 4022

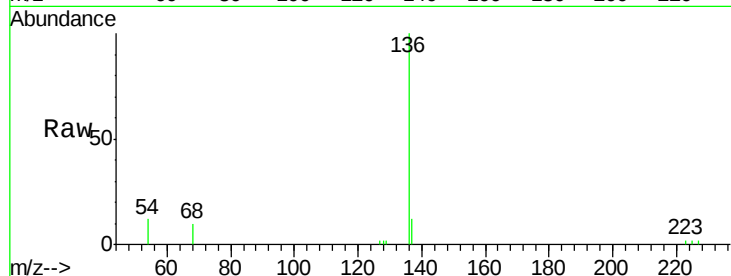
Ion Ratio Lower Upper

136 100

137 12.1 9.8 14.8

54 11.5 10.3 15.5

68 10.1 9.0 13.4

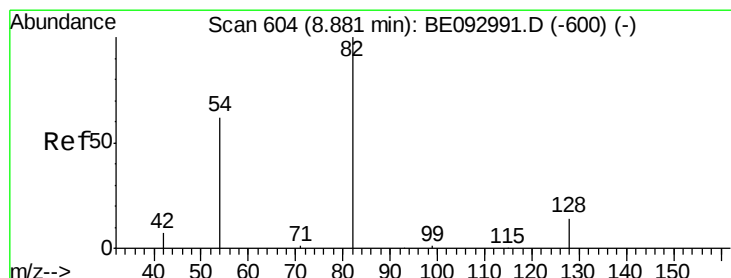
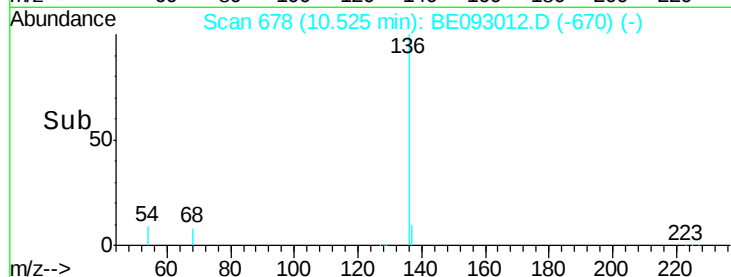
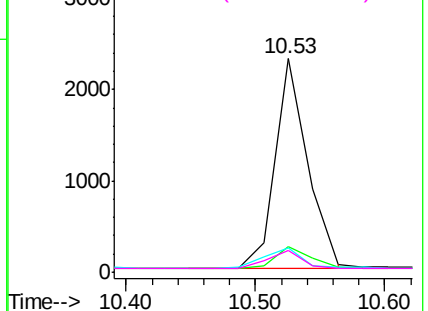


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.26 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

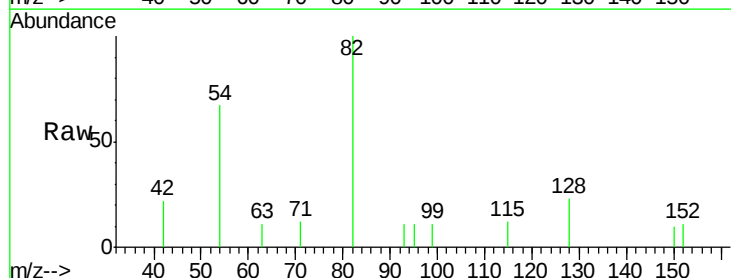
Tgt Ion: 82 Resp: 807

Ion Ratio Lower Upper

82 100

128 22.8 17.0 25.4

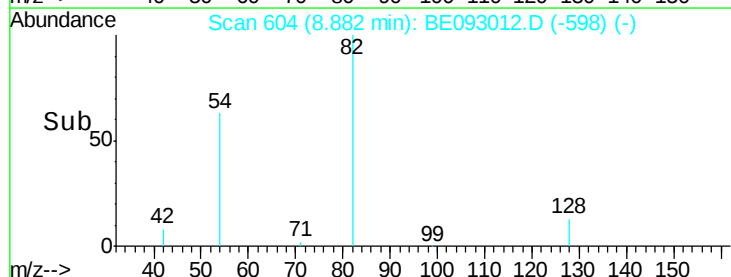
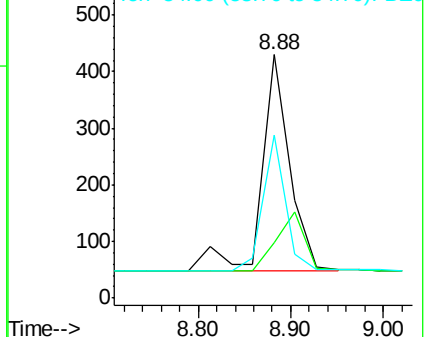
54 66.7 53.8 80.6

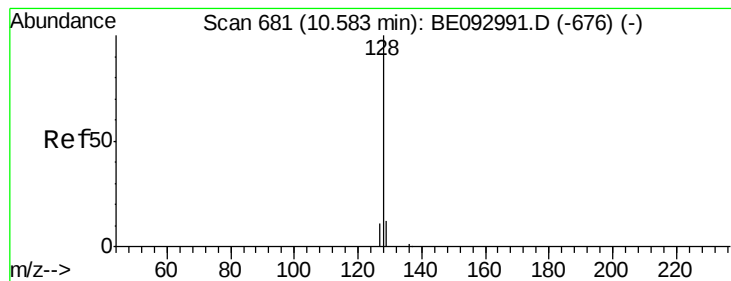


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.23 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

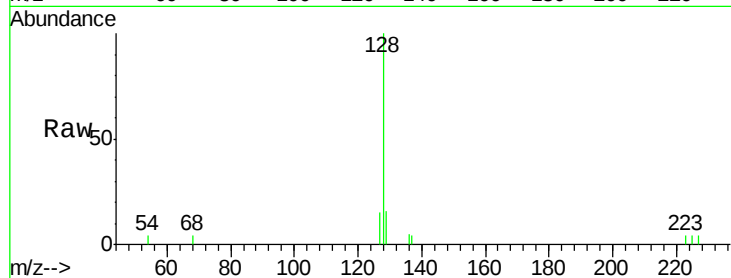
Tgt Ion:128 Resp: 2456

Ion Ratio Lower Upper

128 100

129 15.7 11.4 17.0

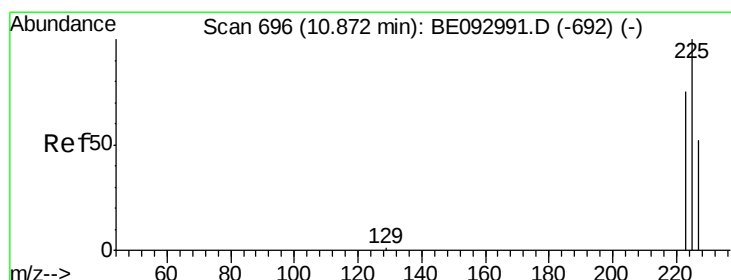
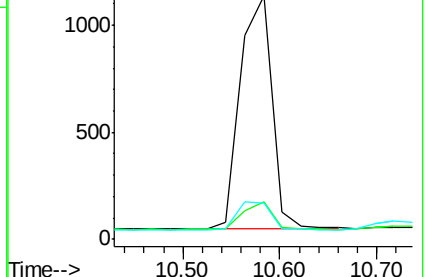
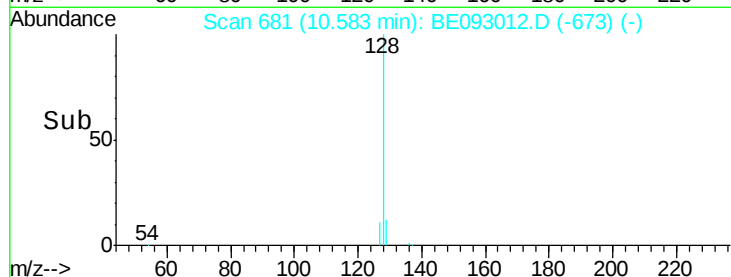
127 14.8 11.2 16.8



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: 0.23 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

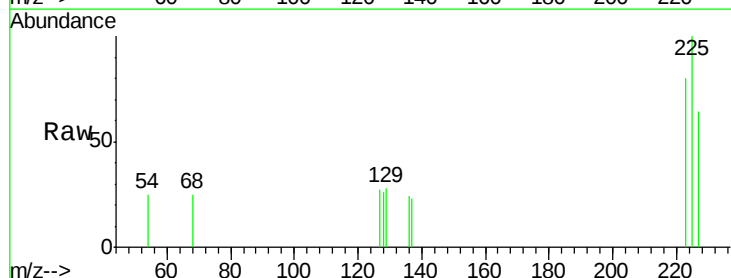
Tgt Ion:225 Resp: 344

Ion Ratio Lower Upper

225 100

223 65.4 49.7 74.5

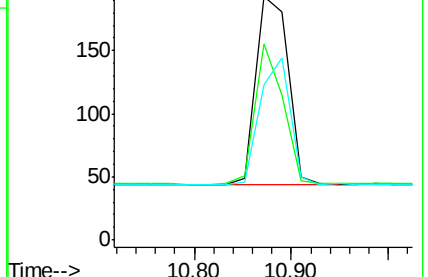
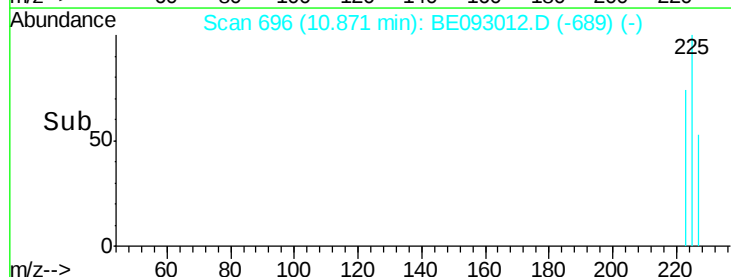
227 63.1 50.3 75.5

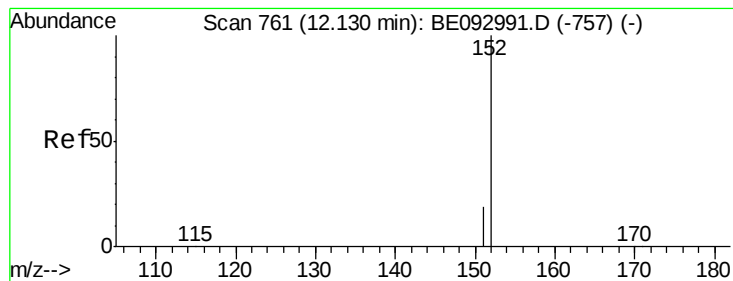


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.30 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

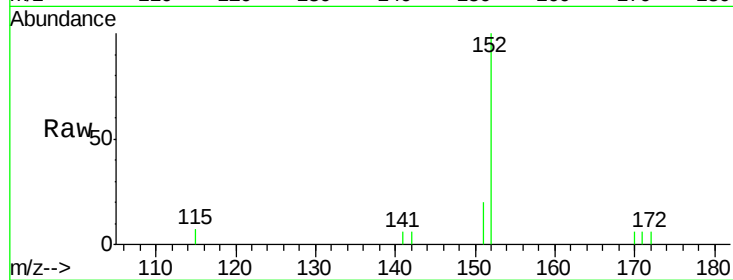
PB98886BSD

Tgt Ion:152 Resp: 1707

Ion Ratio Lower Upper

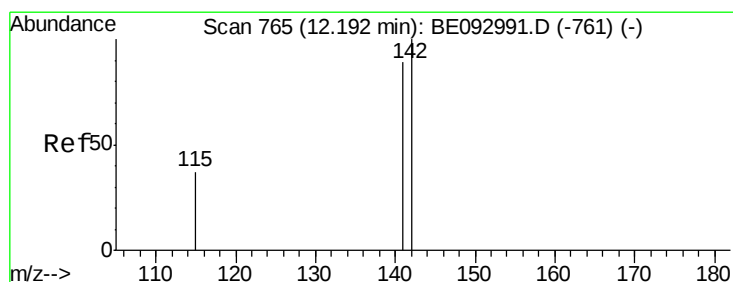
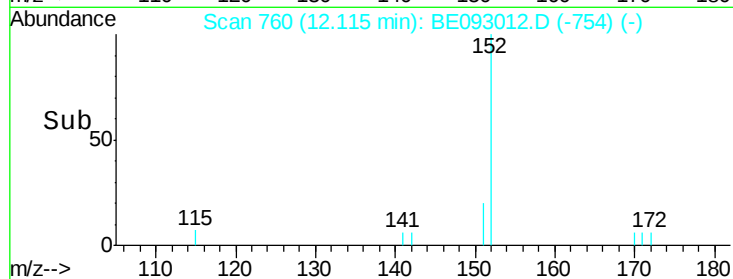
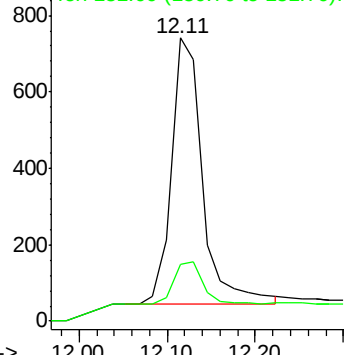
152 100

151 14.6 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: 0.23 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

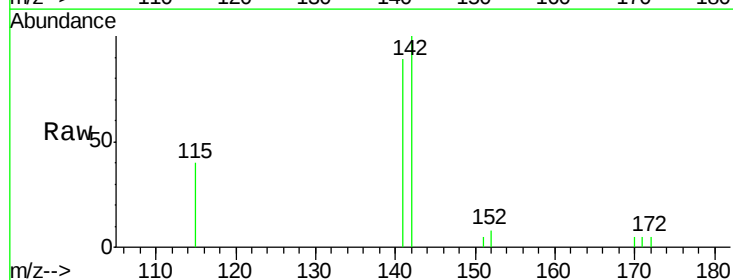
Tgt Ion:142 Resp: 1455

Ion Ratio Lower Upper

142 100

141 89.0 72.6 108.8

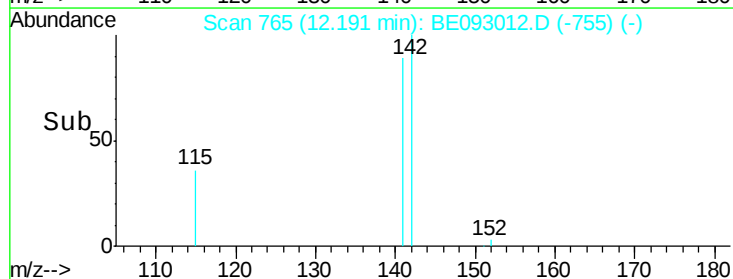
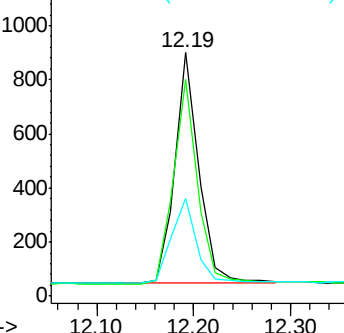
115 39.9 32.2 48.2

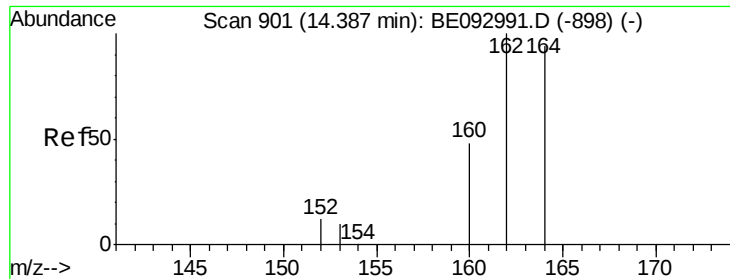


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE093012.D

Acq: 12 May 2017 11:29

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PB98886BSD

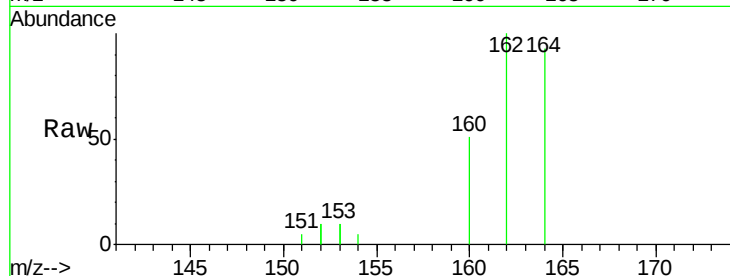
Tgt Ion:164 Resp: 1637

Ion Ratio Lower Upper

164 100

162 107.5 84.6 127.0

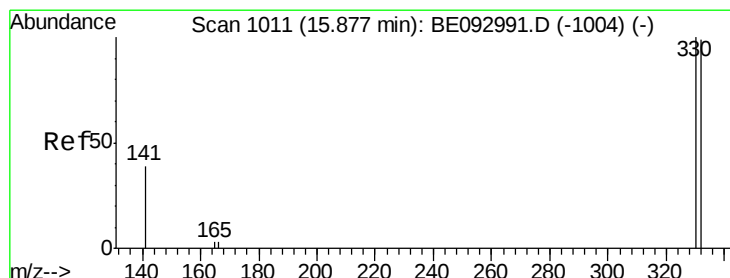
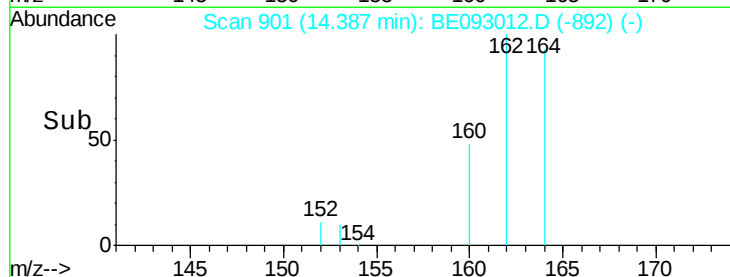
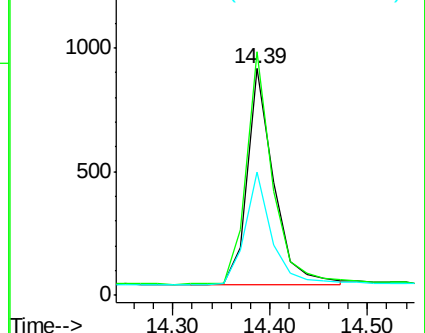
160 54.3 41.8 62.6



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: 0.24 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

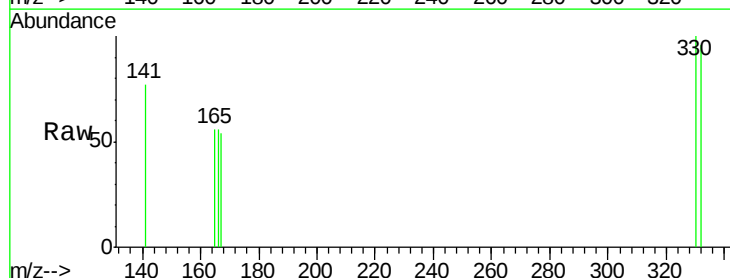
Tgt Ion:330 Resp: 105

Ion Ratio Lower Upper

330 100

332 95.2 77.7 116.5

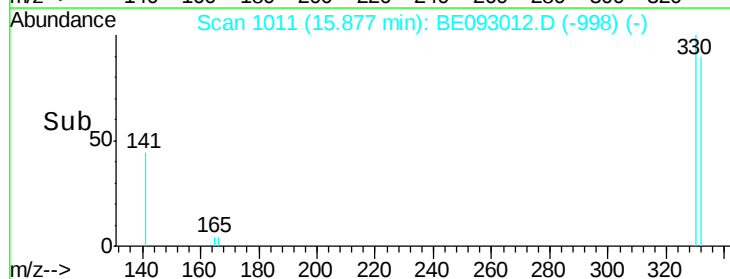
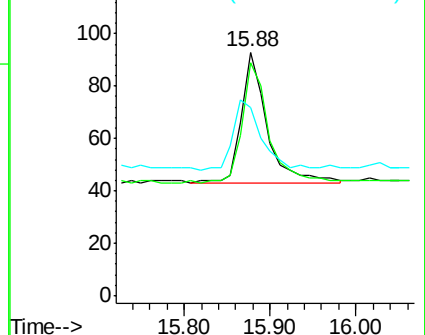
141 60.0 56.2 84.4

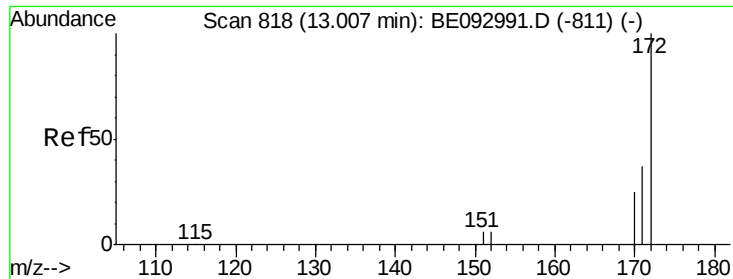


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

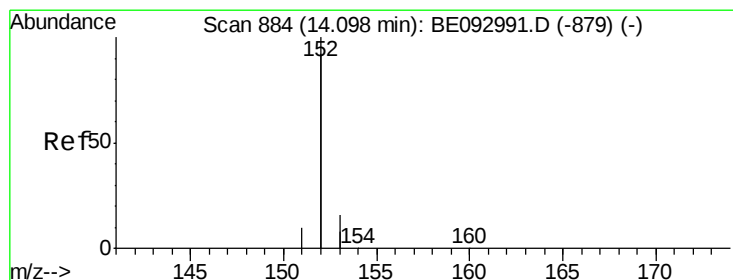
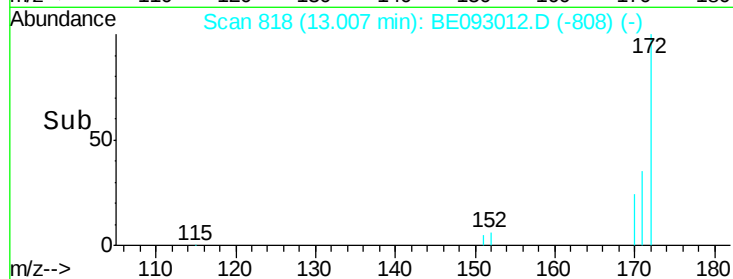
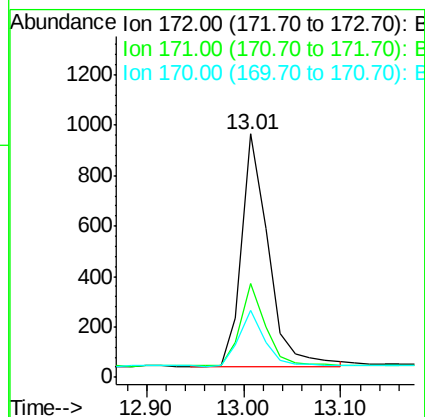
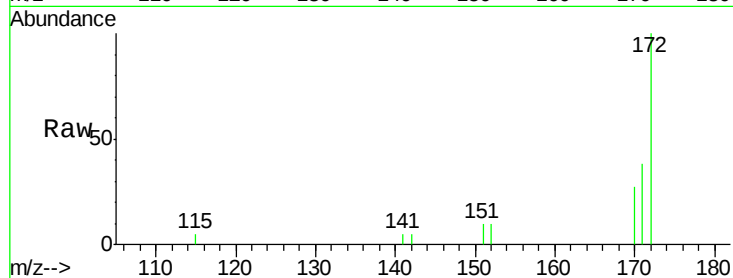




#15
2-Fluorobiphenyl
Concen: 0.27 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

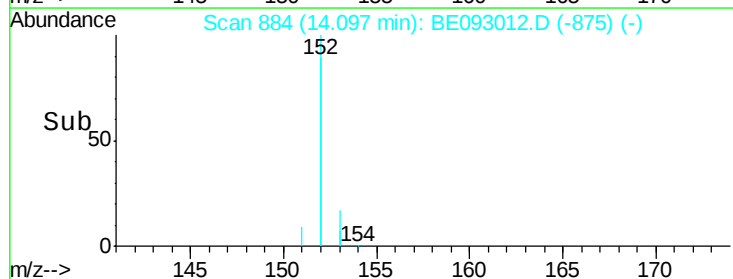
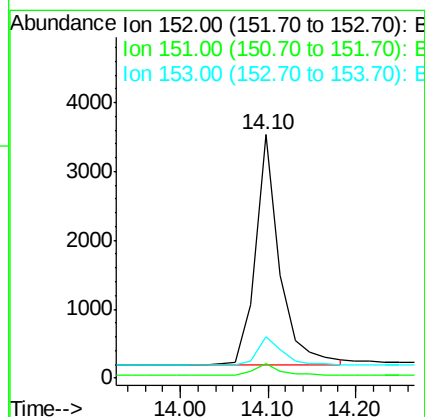
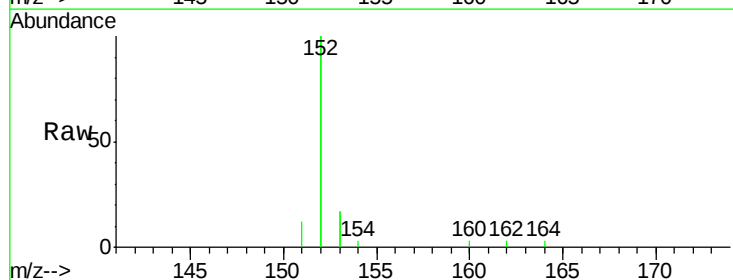
Instrument :
BNA_E
ClientSampleId :
PB98886BSD

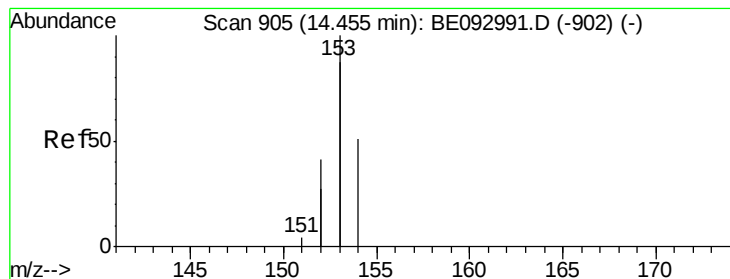
Tgt Ion:172 Resp: 1768
Ion Ratio Lower Upper
172 100
171 38.4 29.8 44.6
170 27.3 20.7 31.1



#16
Acenaphthylene
Concen: 0.23 ng
RT: 14.10 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

Tgt Ion:152 Resp: 6463
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 13.2 10.3 15.5





#17

Acenaphthene

Concen: 0.23 ng

RT: 14.45 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

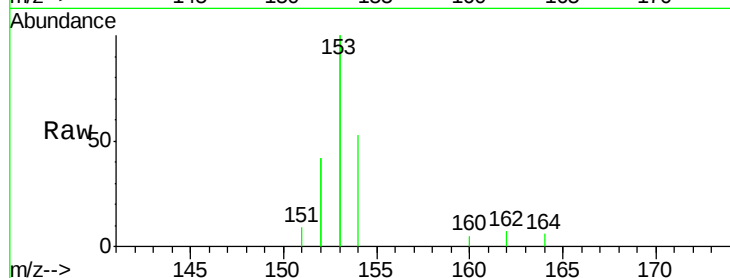
Tgt Ion:154 Resp: 1179

Ion Ratio Lower Upper

154 100

153 466.2 367.8 551.6

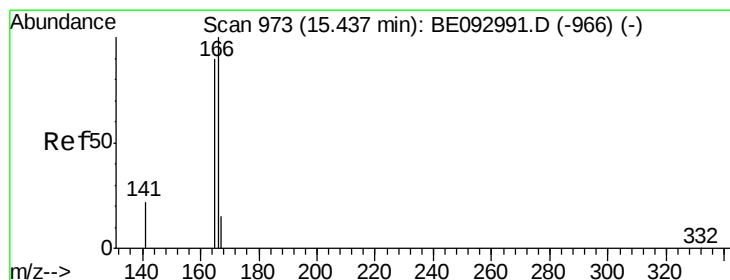
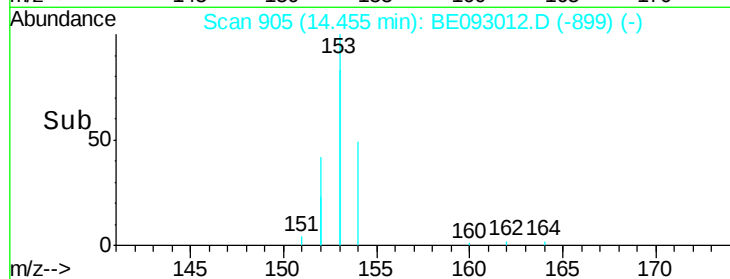
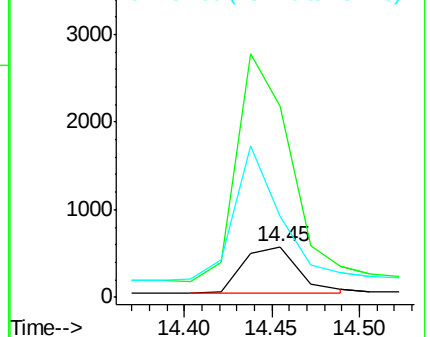
152 236.6 188.2 282.2



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: 0.22 ng

RT: 15.44 min Scan# 973

Delta R.T. 0.01 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

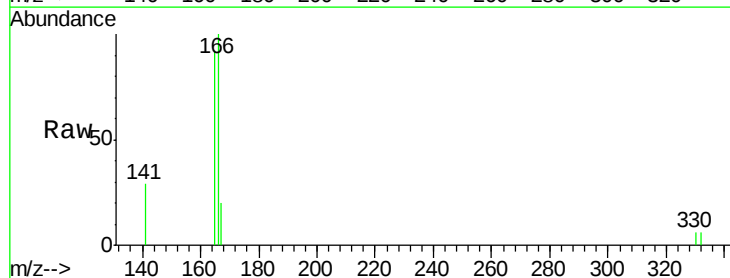
Tgt Ion:166 Resp: 1372

Ion Ratio Lower Upper

166 100

165 99.9 78.6 117.8

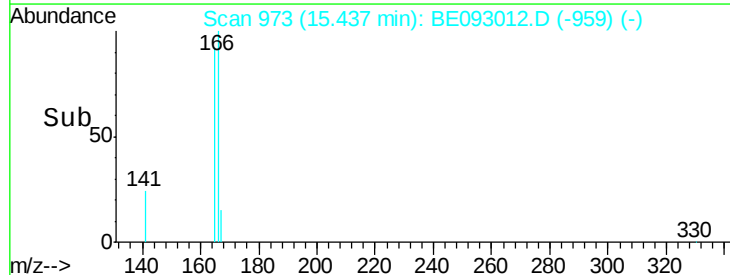
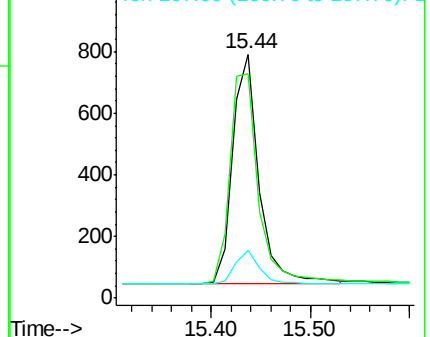
167 14.5 11.1 16.7

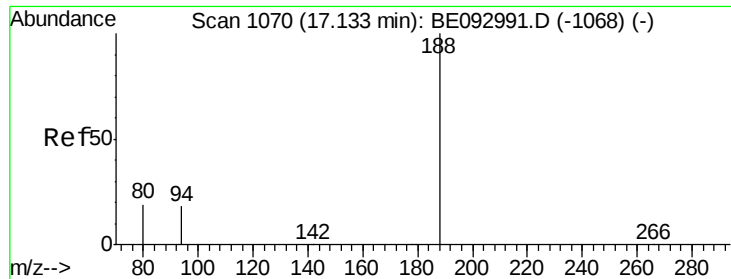


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1069

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

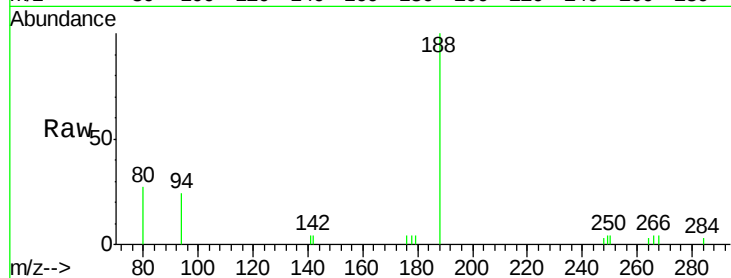
Tgt Ion:188 Resp: 3325

Ion Ratio Lower Upper

188 100

94 24.3 11.3 16.9#

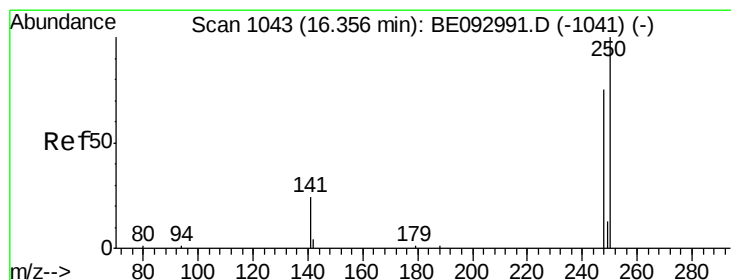
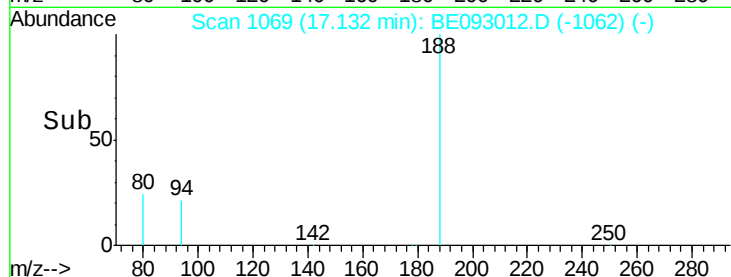
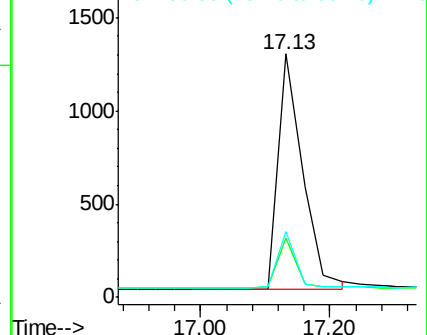
80 27.0 11.7 17.5#



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

4-Bromophenyl-phenylether

Concen: 0.26 ng

RT: 16.36 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

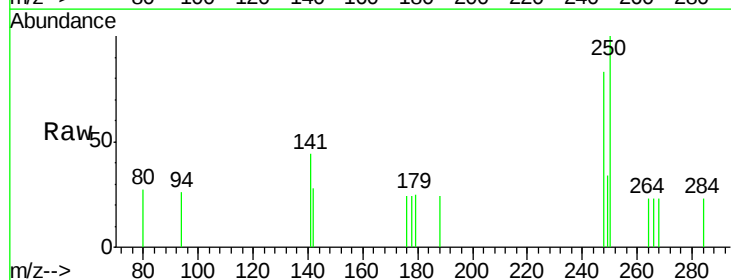
Tgt Ion:248 Resp: 280

Ion Ratio Lower Upper

248 100

250 120.0 100.0 150.0

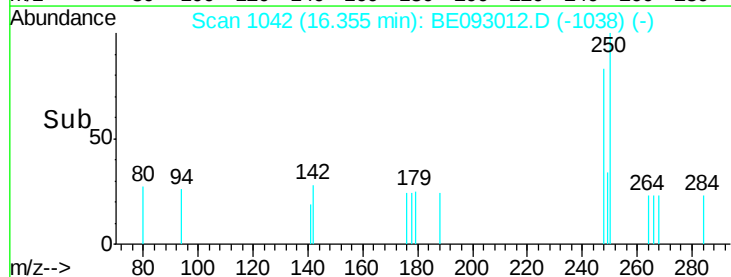
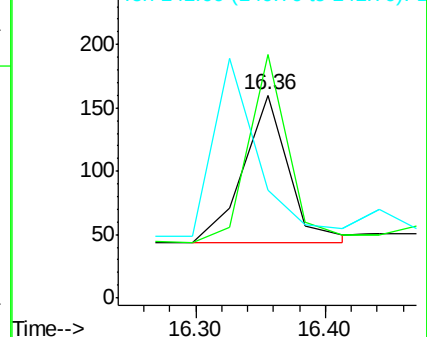
141 53.1 40.0 60.0

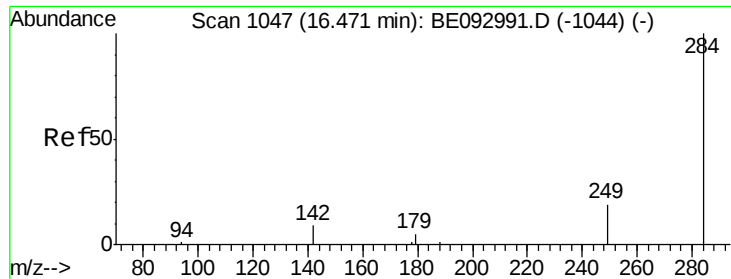


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

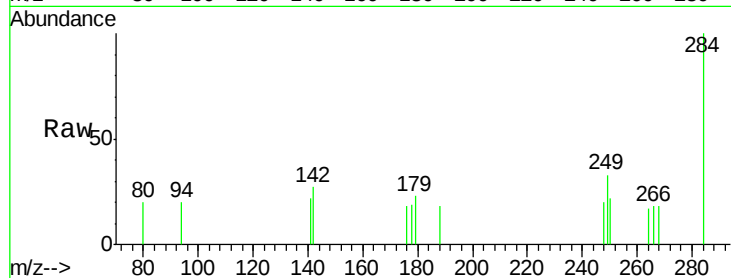




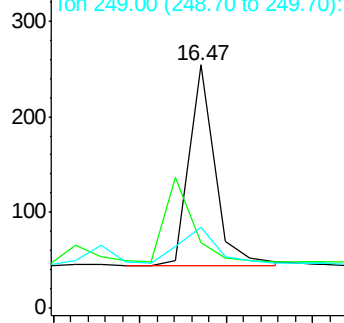
#21
Hexachlorobenzene
Concen: 0.23 ng
RT: 16.47 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

Instrument :
BNA_E
ClientSampleId :
PB98886BSD

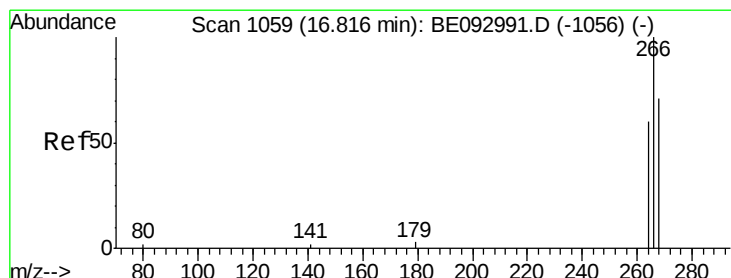
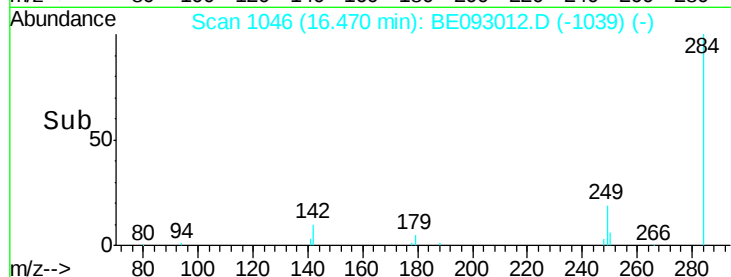
Tgt Ion: 284 Resp: 438
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 24.9 0.0 0.0#



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

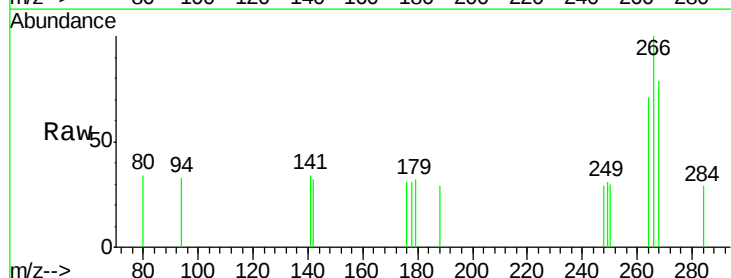


Time--> 16.30 16.40 16.50 16.60

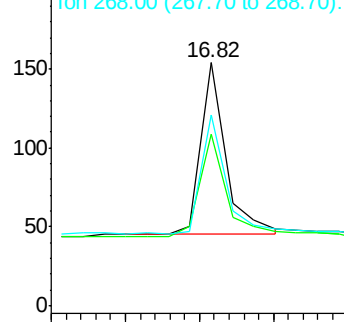


#22
Pentachlorophenol
Concen: 0.68 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

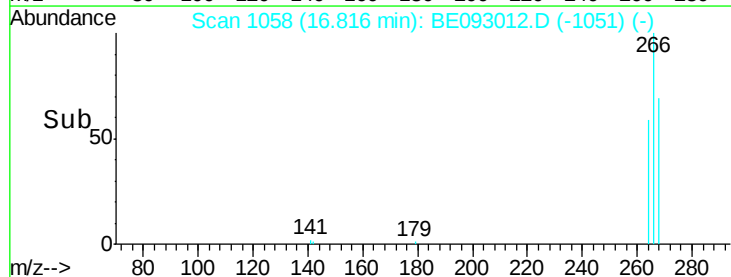
Tgt Ion: 266 Resp: 254
Ion Ratio Lower Upper
266 100
264 70.8 58.2 87.2
268 78.6 71.9 107.9

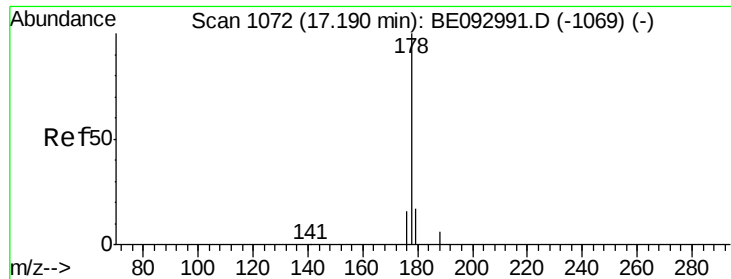


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time--> 16.60 16.70 16.80 16.90

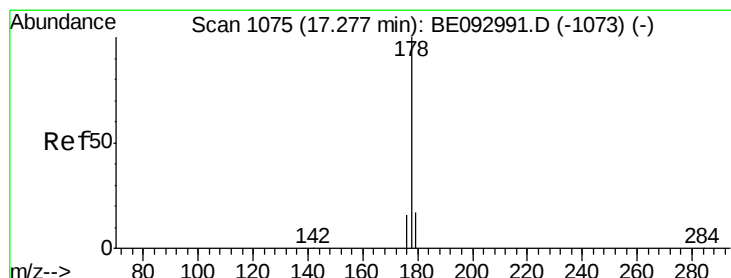
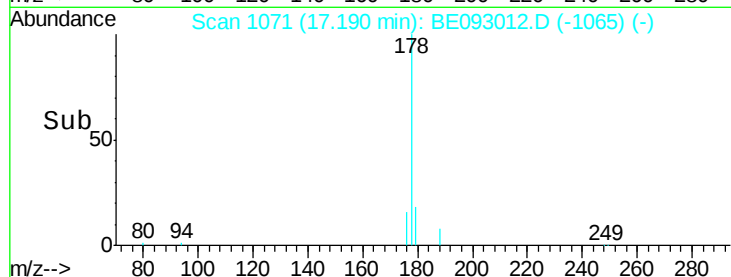
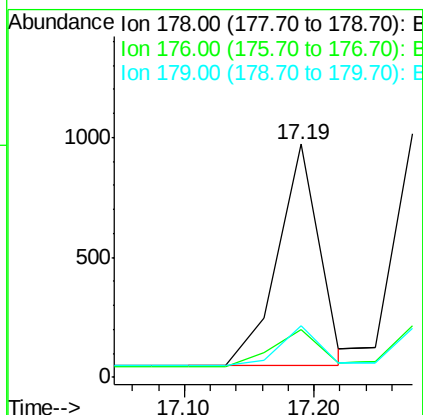
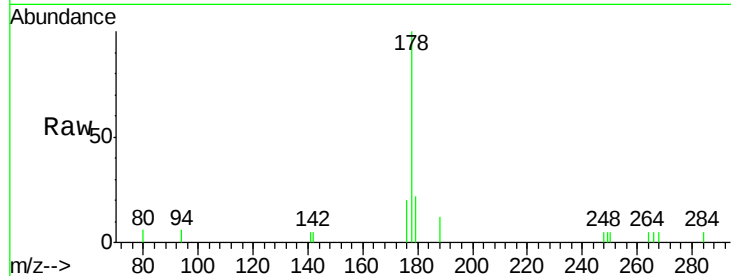




#23
Phenanthrene
Concen: 0.24 ng
RT: 17.19 min Scan# 1071
Delta R.T. 0.01 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

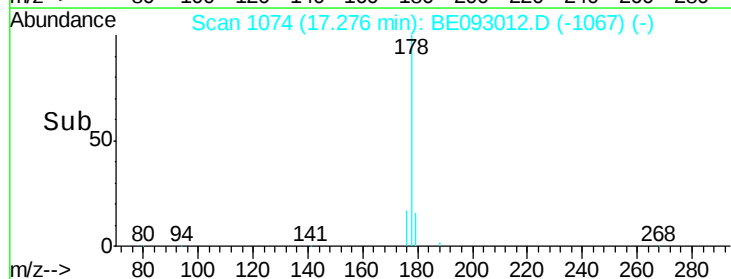
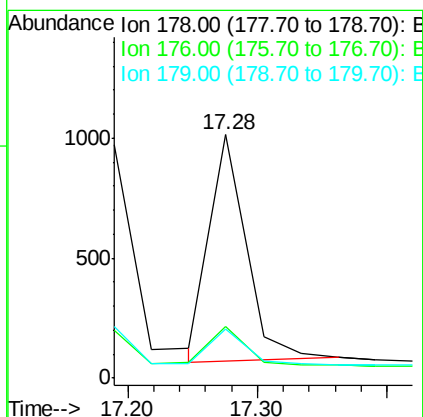
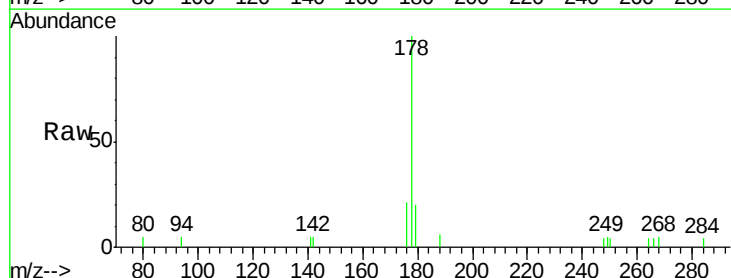
Instrument :
BNA_E
ClientSampleId :
PB98886BSD

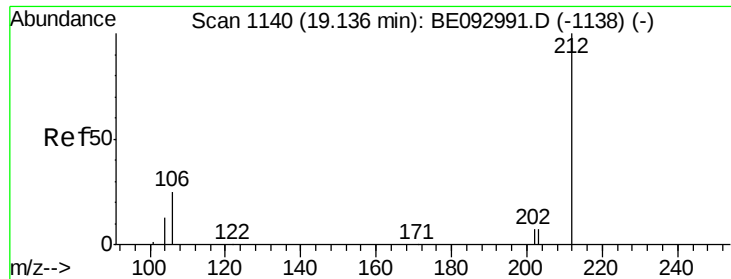
Tgt Ion:178 Resp: 2066
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 16.7 12.7 19.1



#24
Anthracene
Concen: 0.27 ng
RT: 17.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

Tgt Ion:178 Resp: 1847
Ion Ratio Lower Upper
178 100
176 19.1 14.6 22.0
179 16.1 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.24 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

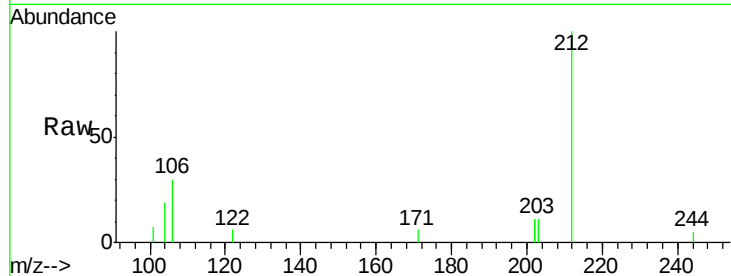
Tgt Ion:212 Resp: 2104

Ion Ratio Lower Upper

212 100

106 17.2 0.0 0.0#

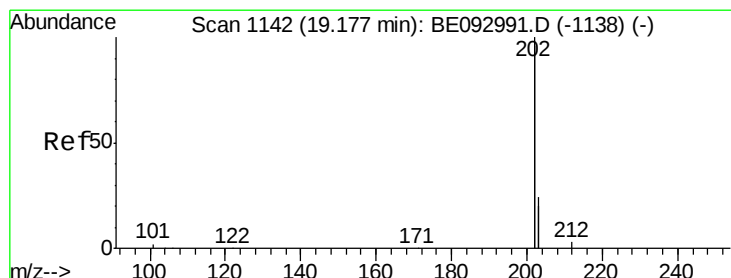
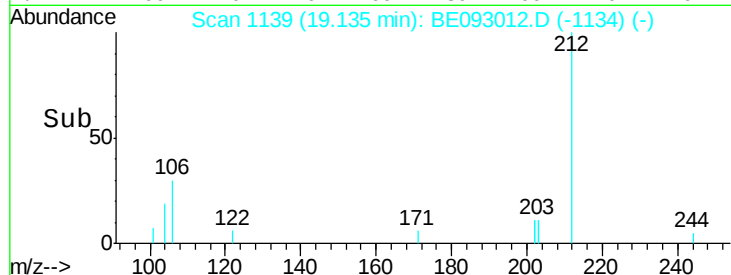
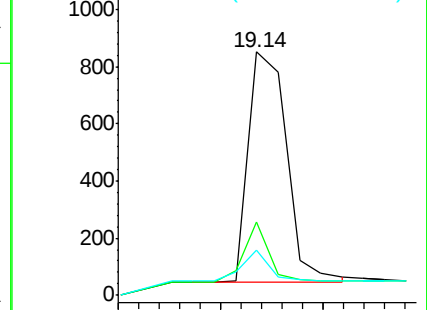
104 9.3 0.0 0.0#



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

Fluoranthene

Concen: 0.24 ng

RT: 19.18 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

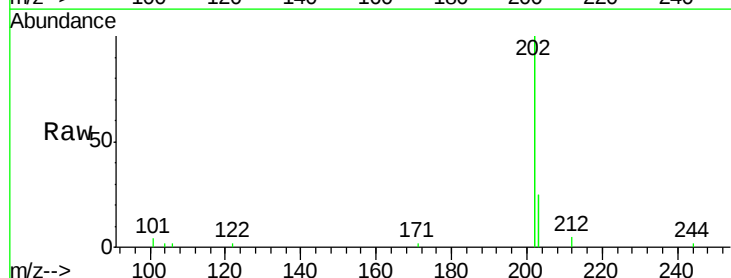
Tgt Ion:202 Resp: 10089

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

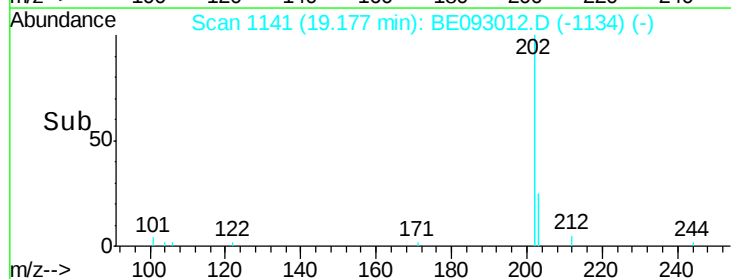
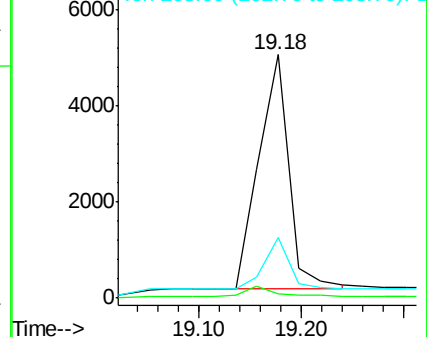
203 18.2 14.4 21.6

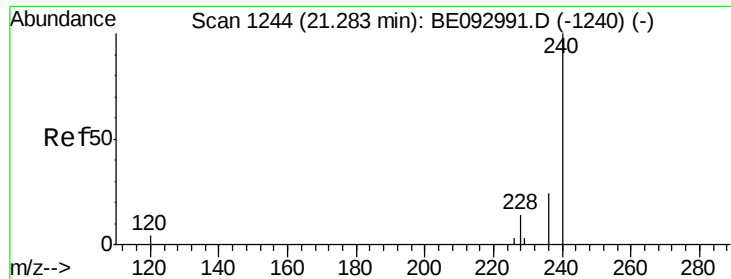


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

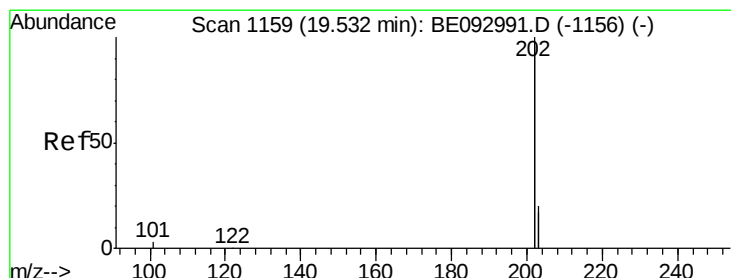
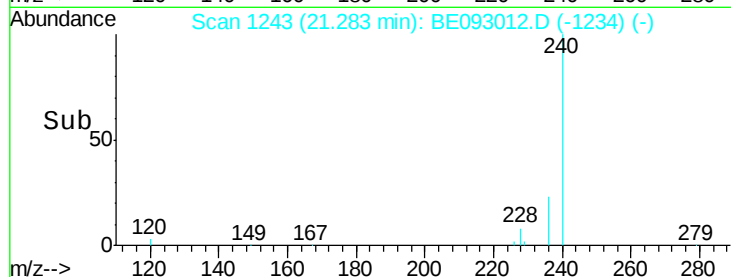
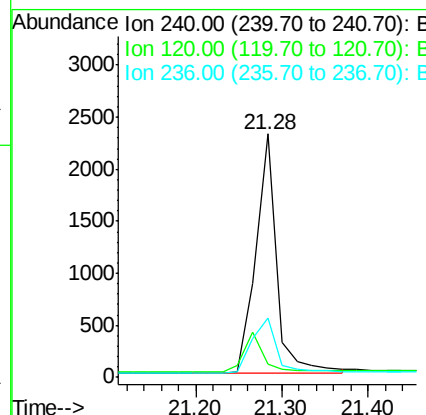
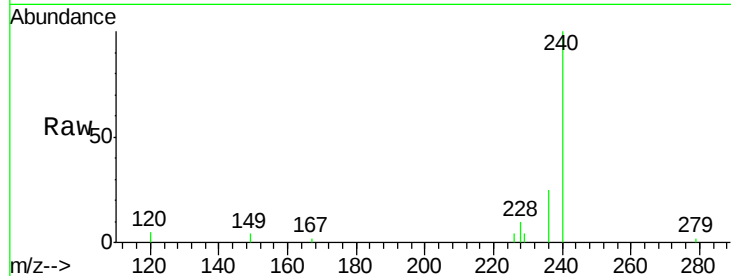




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

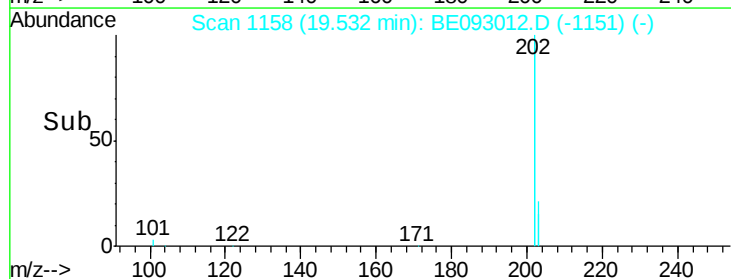
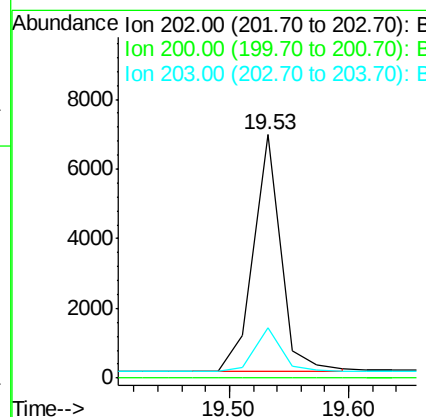
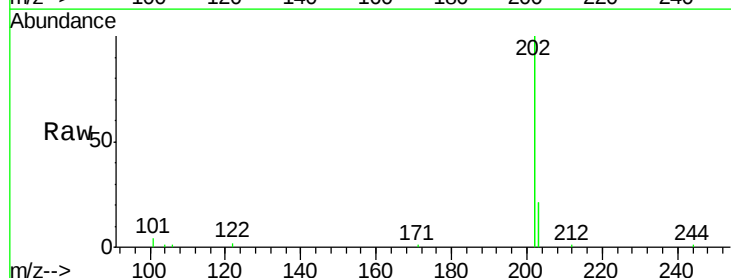
Instrument :
BNA_E
ClientSampleId :
PB98886BSD

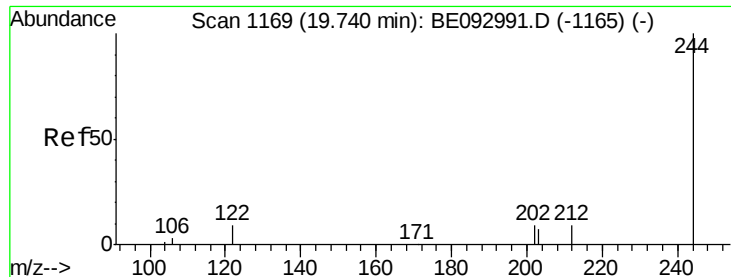
Tgt Ion:240 Resp: 3850
Ion Ratio Lower Upper
240 100
120 5.5 4.6 7.0
236 24.6 20.8 31.2



#28
Pyrene
Concen: 0.23 ng
RT: 19.53 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE093012.D
Acq: 12 May 2017 11:29

Tgt Ion:202 Resp: 10888
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.2 13.7 20.5





#29

Terphenyl-d14

Concen: 0.27 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

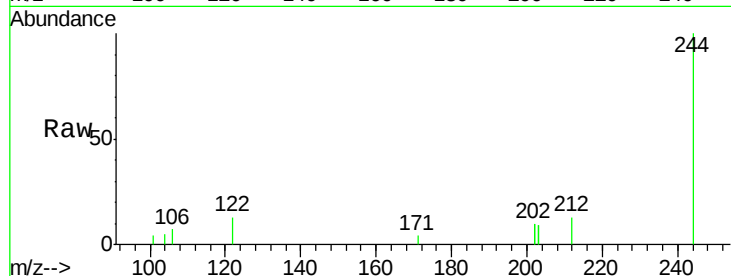
Tgt Ion:244 Resp: 1840

Ion Ratio Lower Upper

244 100

212 12.6 10.6 16.0

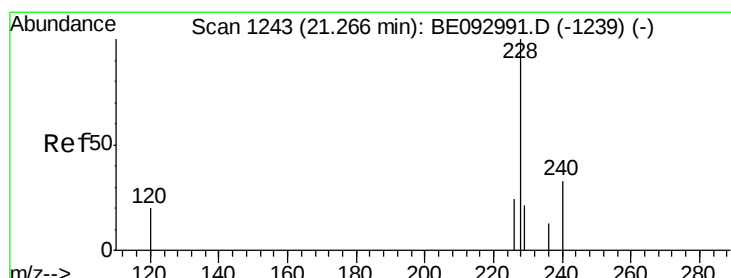
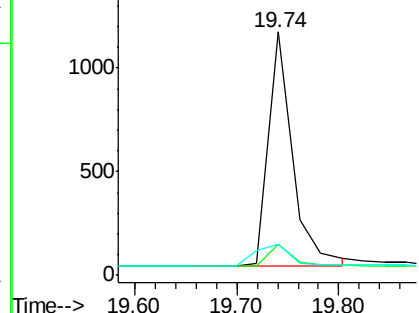
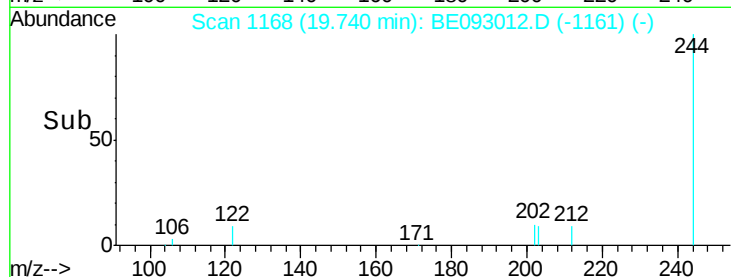
122 12.7 15.4 23.0#



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



#30

Benzo(a)anthracene

Concen: 0.24 ng

RT: 21.27 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

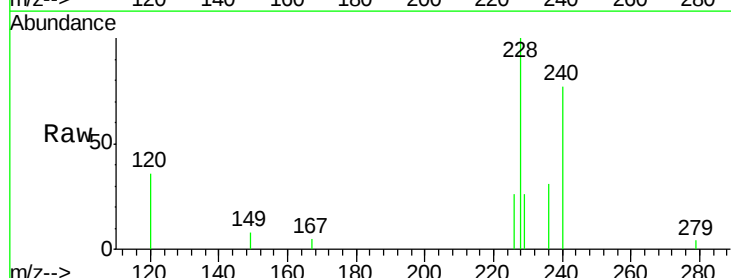
Tgt Ion:228 Resp: 2245

Ion Ratio Lower Upper

228 100

226 25.9 19.7 29.5

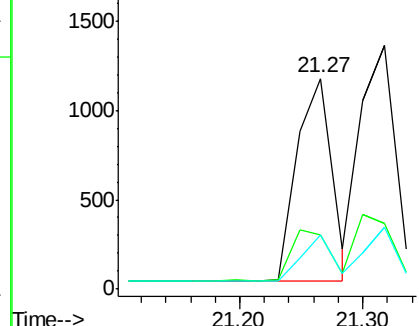
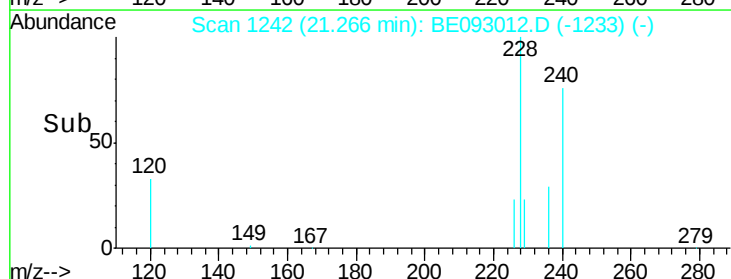
229 25.8 19.2 28.8

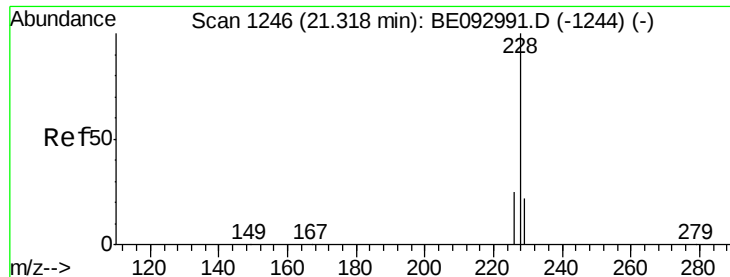


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.23 ng

RT: 21.32 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

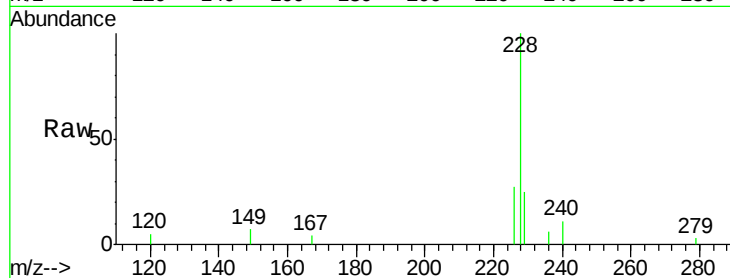
Tgt Ion: 228 Resp: 2759

Ion Ratio Lower Upper

228 100

226 27.1 21.5 32.3

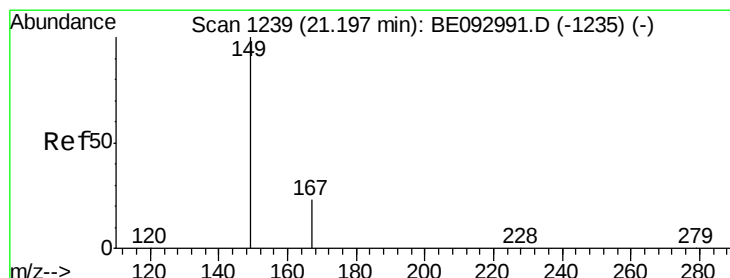
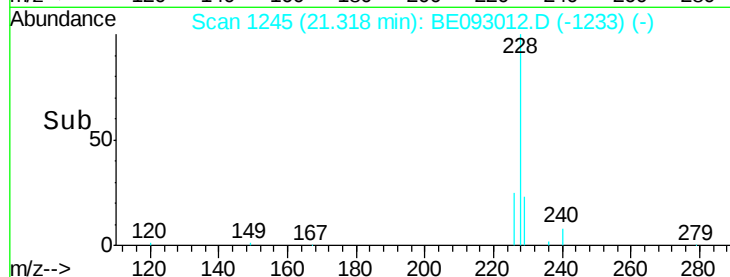
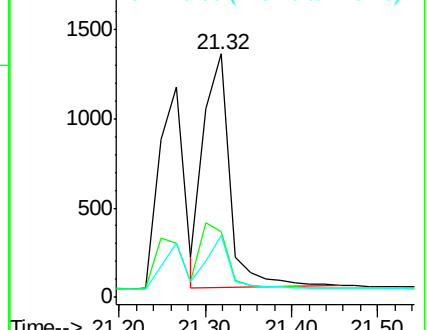
229 25.3 18.6 28.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

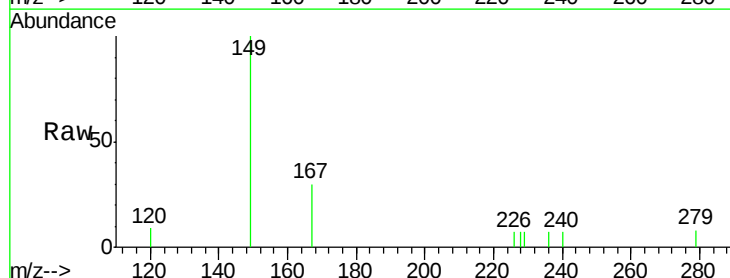
Tgt Ion: 149 Resp: 749

Ion Ratio Lower Upper

149 100

167 25.2 20.1 30.1

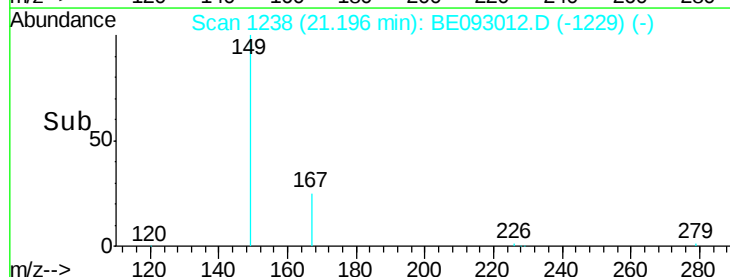
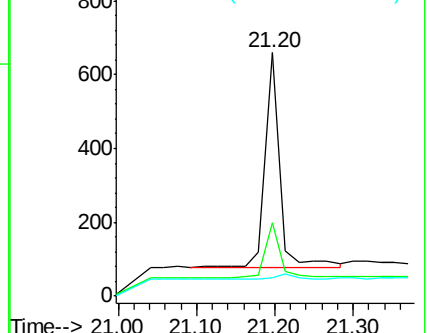
279 3.3 2.2 3.4

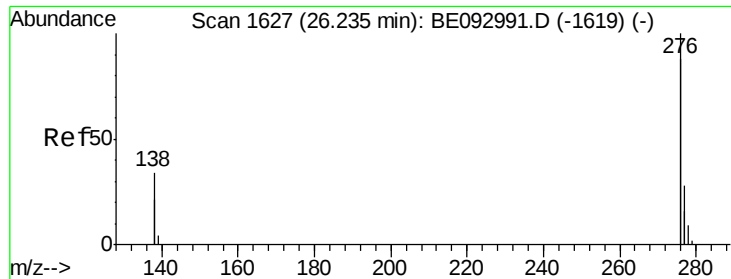


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

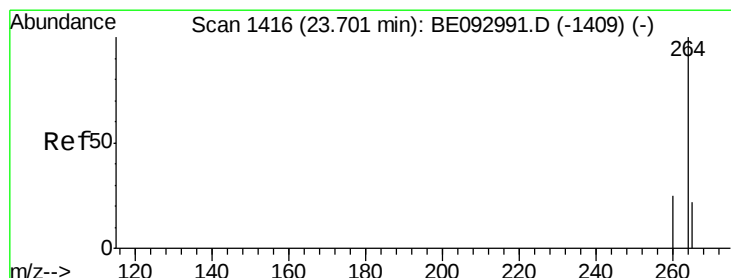
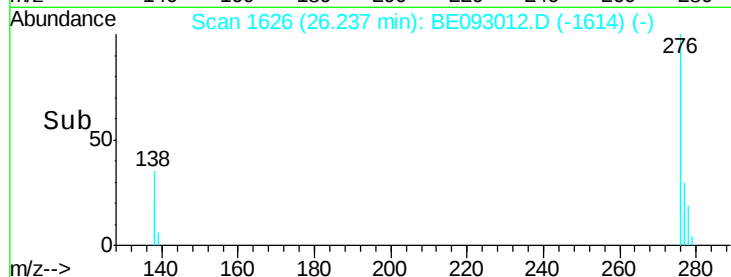
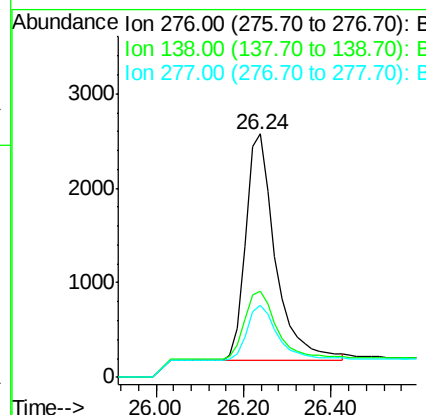
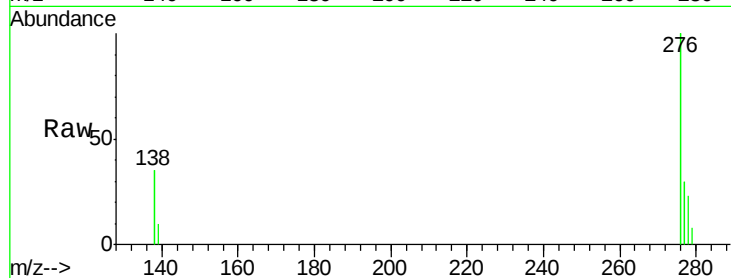




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.30 ng
 RT: 26.24 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BE093012.D
 Acq: 12 May 2017 11:29

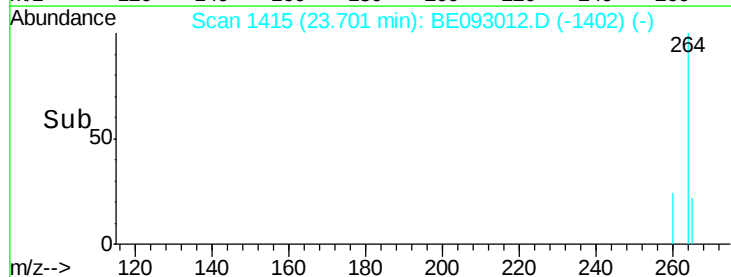
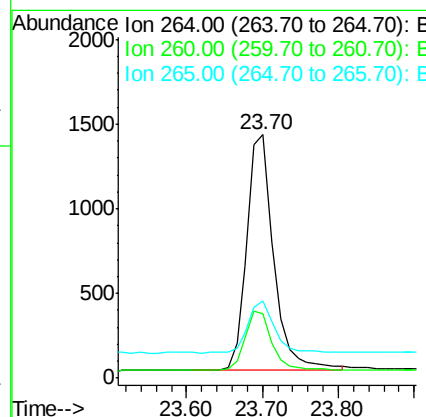
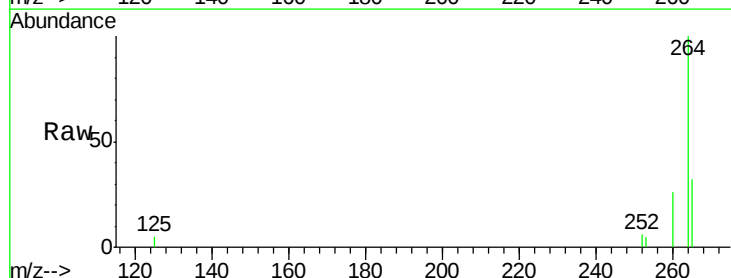
Instrument :
 BNA_E
 ClientSampleId :
 PB98886BSD

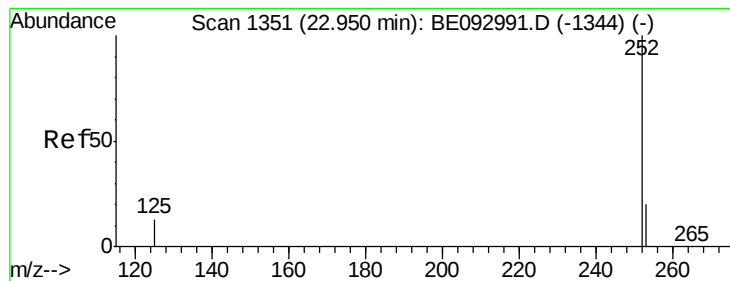
Tgt Ion: 276 Resp: 11322
 Ion Ratio Lower Upper
 276 100
 138 32.8 27.4 41.2
 277 24.9 20.1 30.1



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.70 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: BE093012.D
 Acq: 12 May 2017 11:29

Tgt Ion: 264 Resp: 3430
 Ion Ratio Lower Upper
 264 100
 260 26.2 21.0 31.4
 265 31.5 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.23 ng

RT: 22.95 min Scan# 1350

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD

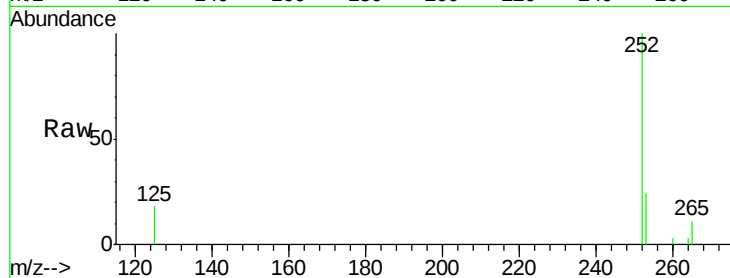
Tgt Ion:252 Resp: 2518

Ion Ratio Lower Upper

252 100

253 24.3 18.5 27.7

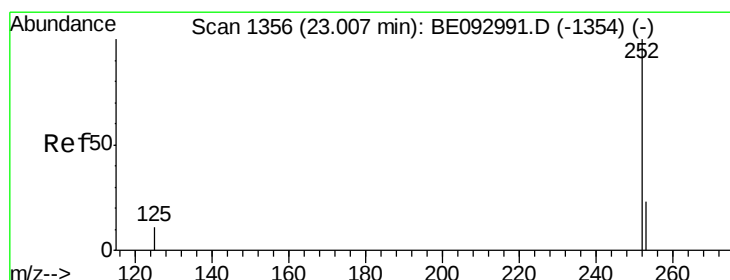
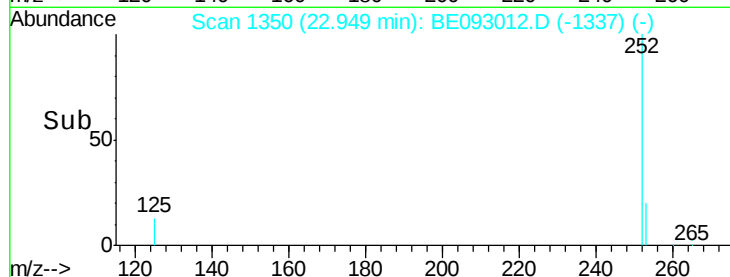
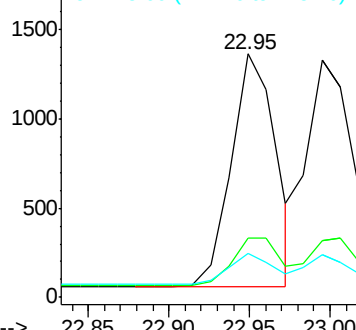
125 17.8 13.4 20.0



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(k)fluoranthene

Concen: 0.24 ng

RT: 23.00 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

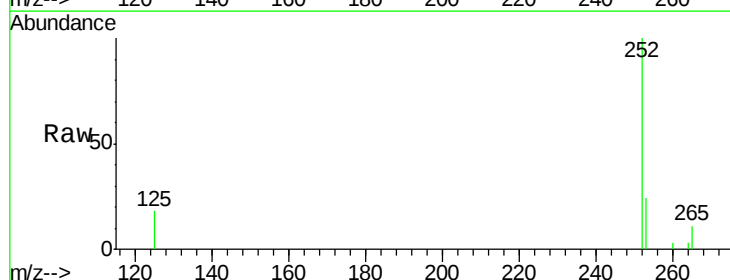
Tgt Ion:252 Resp: 2675

Ion Ratio Lower Upper

252 100

253 23.9 20.3 30.5

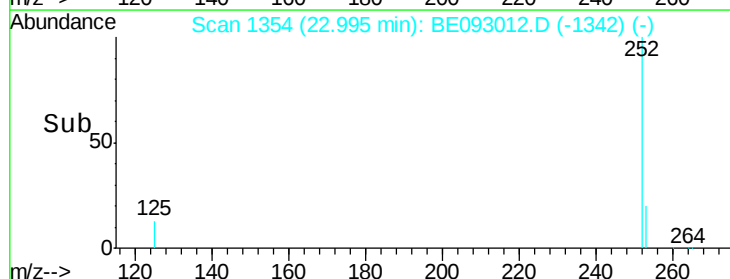
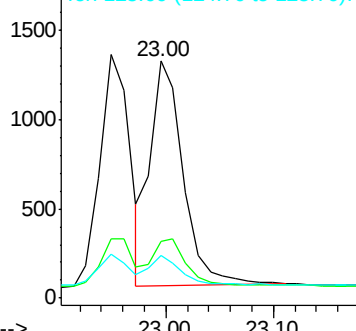
125 18.0 12.2 18.4

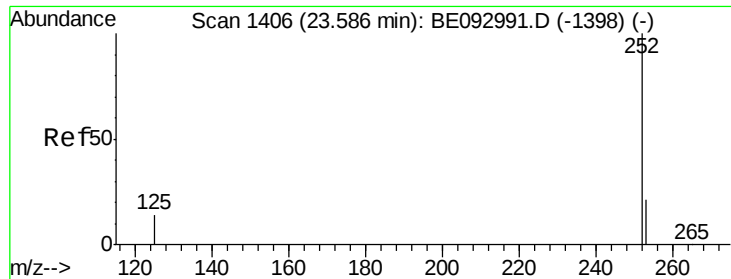


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.58 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampled :

PB98886BSD

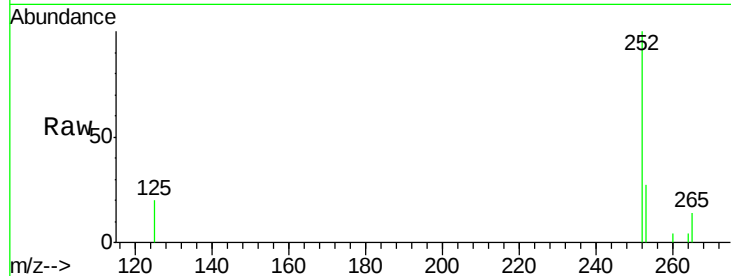
Tgt Ion: 252 Resp: 2348

Ion Ratio Lower Upper

252 100

253 26.5 19.9 29.9

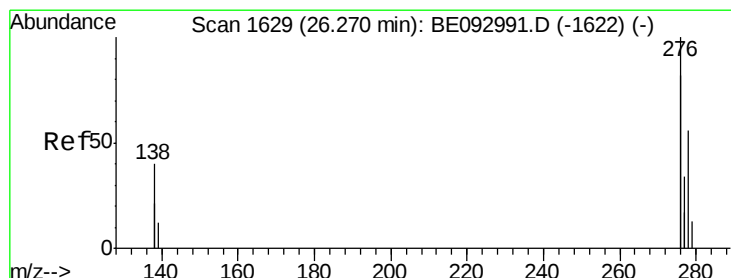
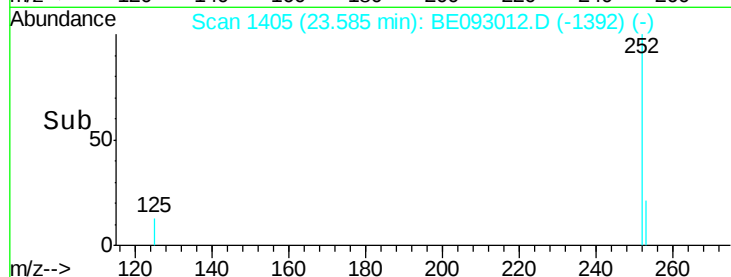
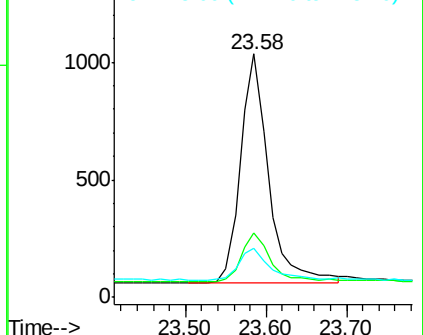
125 20.2 14.6 21.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 26.27 min Scan# 1628

Delta R.T. 0.02 min

Lab File: BE093012.D

Acq: 12 May 2017 11:29

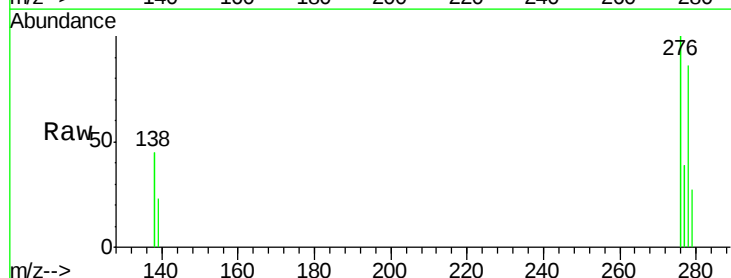
Tgt Ion: 278 Resp: 2277

Ion Ratio Lower Upper

278 100

139 26.2 21.4 32.0

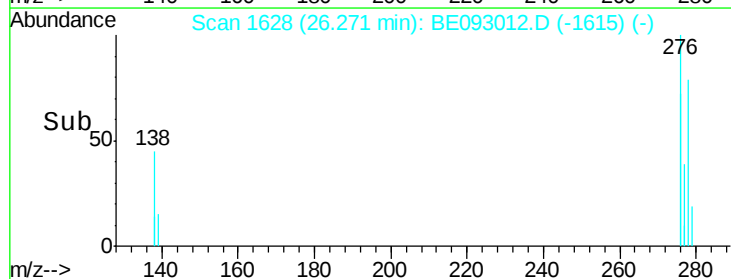
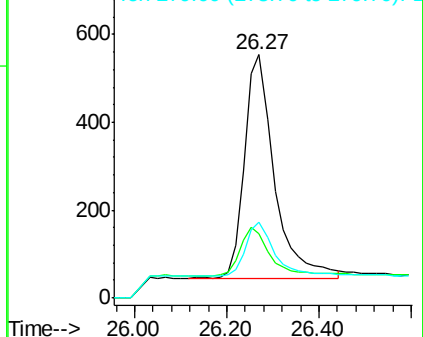
279 31.2 22.2 33.2

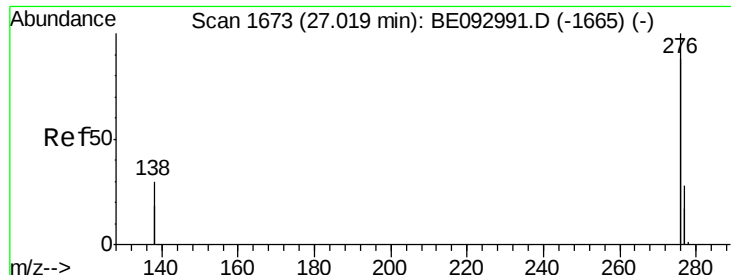


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.26 ng

RT: 27.00 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE093012.D

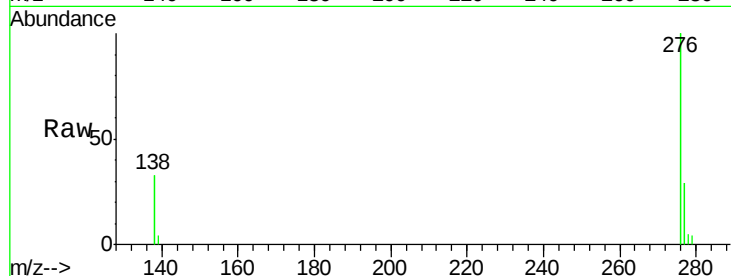
Acq: 12 May 2017 11:29

Instrument :

BNA_E

ClientSampleId :

PB98886BSD



Tgt Ion: 276 Resp: 10260

Ion Ratio Lower Upper

276 100

277 28.6 21.2 31.8

138 32.6 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

