

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
 Data File : BE096293.D
 Acq On : 2 May 2018 14:03
 Operator : SJ/JU
 Sample : PB108755BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB108755BSD

Quant Time: May 03 01:49:31 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	788	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2769	0.40	ng	0.00
13) Acenaphthene-d10	14.93	164	1370	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	3255	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3378	0.40	ng	0.00
34) Perylene-d12	24.35	264	2980	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.87	112	753	0.31	ng	0.01
5) Phenol-d6	7.52	99	1005	0.30	ng	0.01
8) Nitrobenzene-d5	9.54	82	1534	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	1359	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	150	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2904	0.50	ng	0.00
25) Fluoranthene-d10	19.63	212	14393	0.33	ng	0.00
29) Terphenyl-d14	20.19	244	3434	0.46	ng	0.00

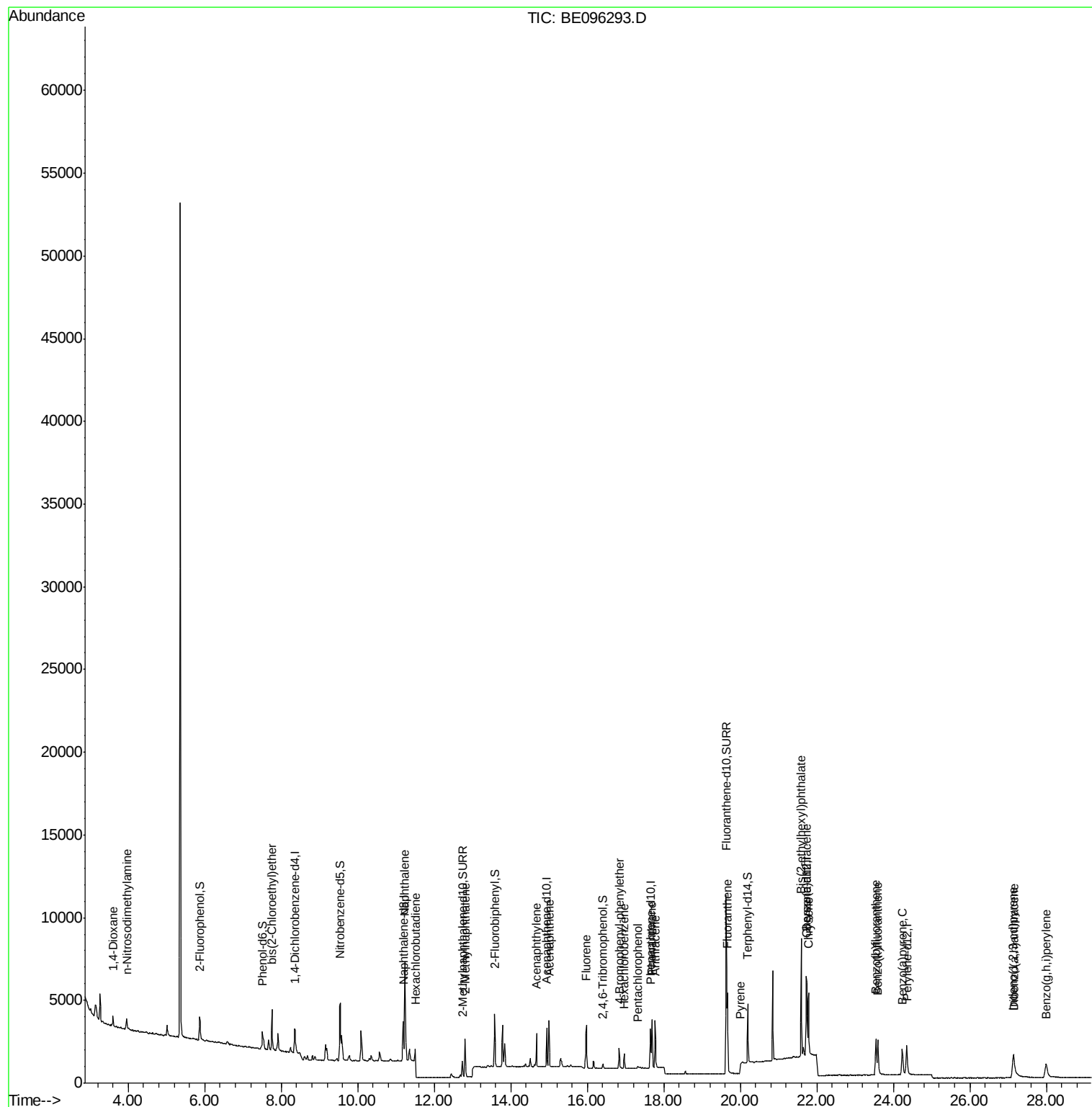
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.60	88	358	0.294	ng	# 68
3) n-Nitrosodimethylamine	3.95	42	560	0.376	ng	# 71
6) bis(2-Chloroethyl)ether	7.76	93	901	0.304	ng	90
9) Naphthalene	11.23	128	10343	0.354	ng	99
10) Hexachlorobutadiene	11.50	225	414	0.320	ng	94
12) 2-Methylnaphthalene	12.80	142	1653	0.342	ng	# 92
16) Acenaphthylene	14.67	152	2486	0.340	ng	99
17) Acenaphthene	15.00	154	1457	0.331	ng	# 91
18) Fluorene	15.97	166	2337	0.430	ng	# 77
20) 4-Bromophenyl-phenylether	16.83	248	591	0.306	ng	# 72
21) Hexachlorobenzene	16.96	284	614	0.319	ng	# 78
22) Pentachlorophenol	17.31	266	80	0.226	ng	90
23) Phenanthrene	17.68	178	3214	0.351	ng	97
24) Anthracene	17.78	178	3068	0.351	ng	# 94
26) Fluoranthene	19.66	202	4260	0.355	ng	97
28) Pyrene	20.00	202	416	0.063	ng	# 78
30) Benzo(a)anthracene	21.73	228	3679	0.340	ng	98
31) Chrysene	21.79	228	3838	0.367	ng	97
32) Bis(2-ethylhexyl)phthalate	21.60	149	8130	0.291	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.13	276	2803	0.276	ng	# 93
35) Benzo(b)fluoranthene	23.54	252	3328	0.372	ng	# 94
36) Benzo(k)fluoranthene	23.59	252	3416	0.372	ng	# 88
37) Benzo(a)pyrene	24.23	252	3219	0.375	ng	# 91
38) Dibenzo(a,h)anthracene	27.15	278	2028	0.268	ng	# 86
39) Benzo(g,h,i)perylene	27.99	276	2585	0.323	ng	# 89

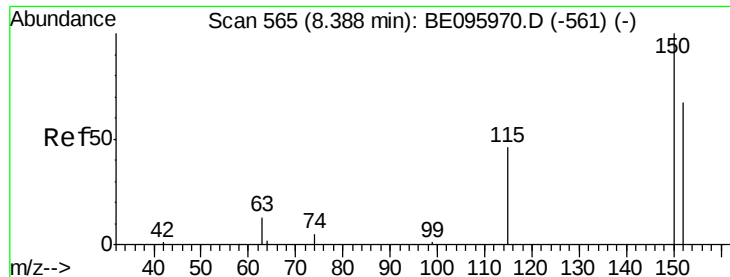
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.36 min Scan# 562

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

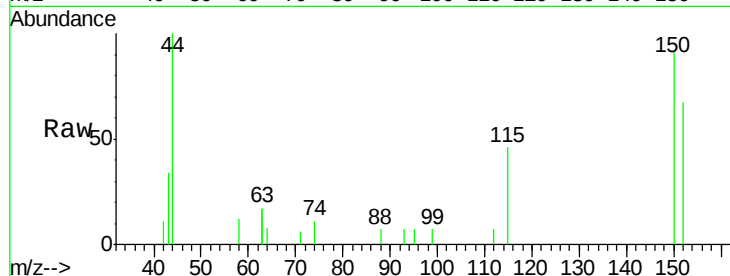
Tot Ion:152 Resp: 788

Ion Ratio Lower Upper

152 100

150 137.0 117.2 175.8

115 68.7 57.0 85.6



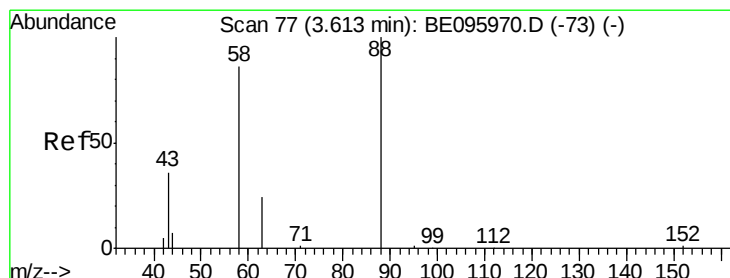
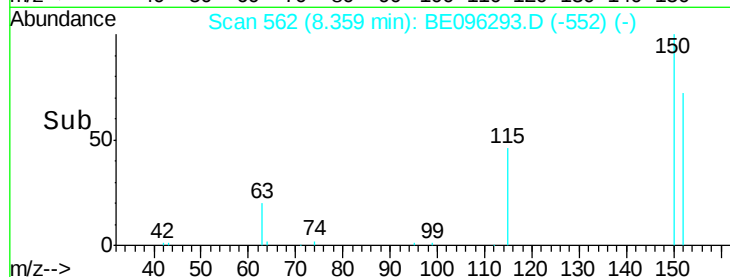
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

8.36

Time-->



#2

1,4-Dioxane

Concen: 0.294 ng

RT: 3.60 min Scan# 76

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

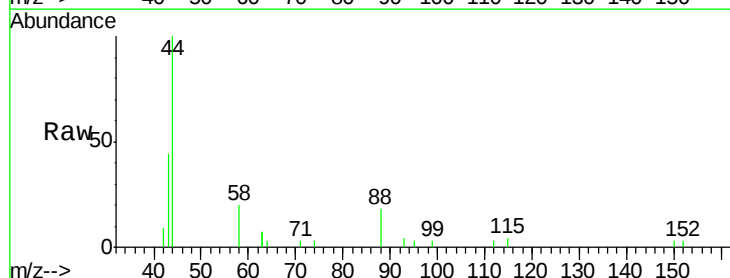
Tgt Ion: 88 Resp: 358

Ion Ratio Lower Upper

88 100

58 99.7 63.2 94.8#

43 82.1 41.2 61.8#



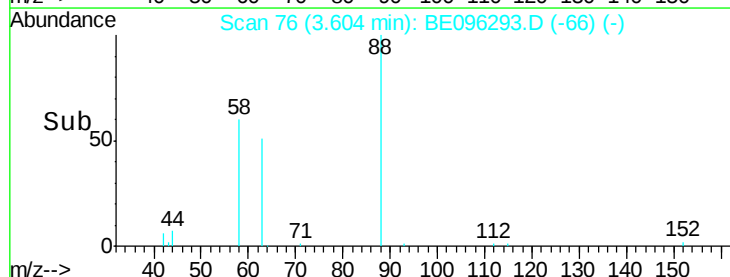
Abundance Ion 88.00 (87.70 to 88.70): BE0

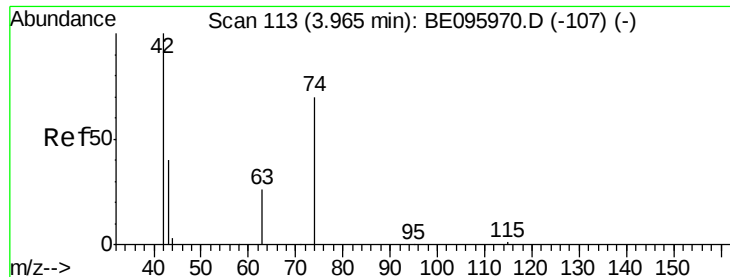
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.60

Time-->



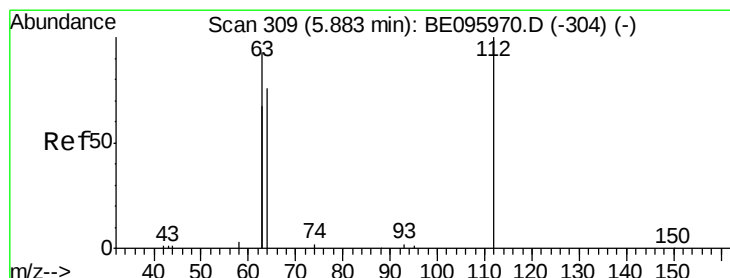
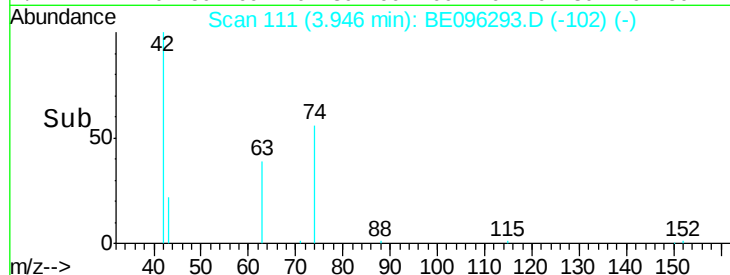
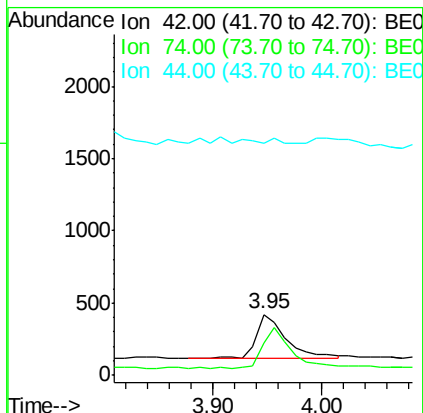
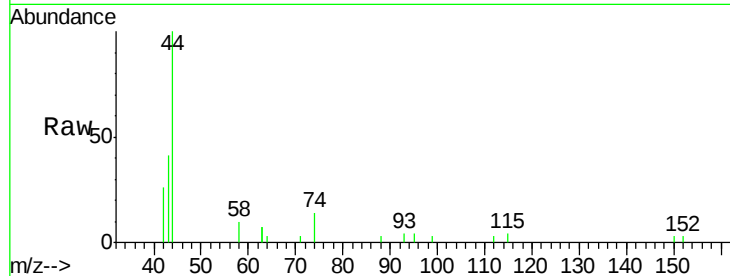


#3

n-Nitrosodimethylamine
 Concen: 0.376 ng
 RT: 3.95 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: BE096293.D
 Acq: 2 May 2018 14:03

Instrument :
 BNA_E
 ClientSampleId :
 PB108755BSD

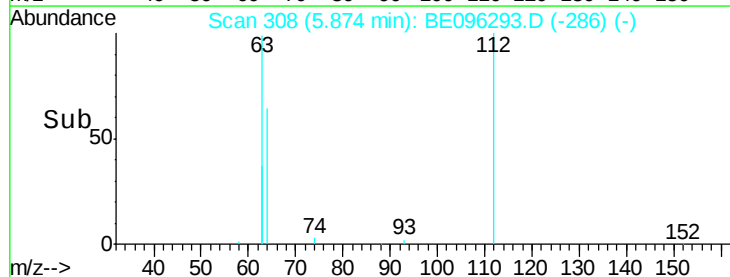
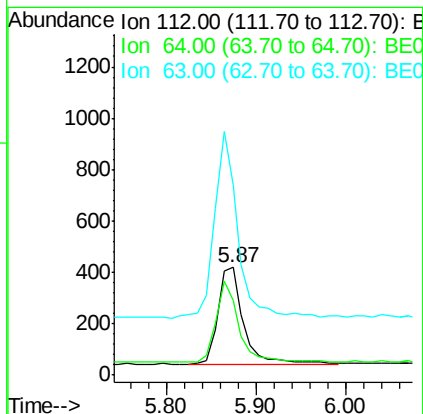
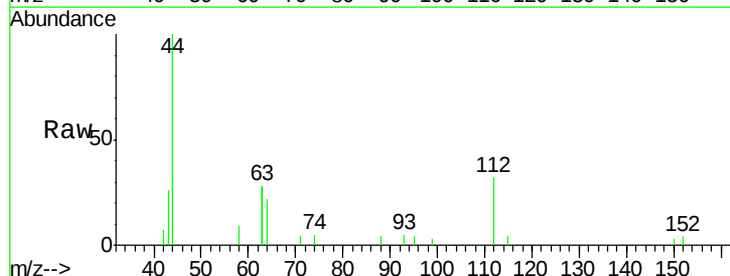
Tot Ion: 42 Resp: 560
 Ion Ratio Lower Upper
 42 100
 74 89.3 96.0 144.0#
 44 0.0 12.0 18.0#

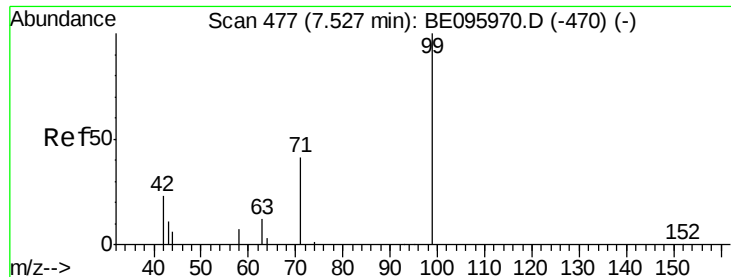


#4

2-Fluorophenol
 Concen: 0.309 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096293.D
 Acq: 2 May 2018 14:03

Tgt Ion: 112 Resp: 753
 Ion Ratio Lower Upper
 112 100
 64 74.2 60.1 90.1
 63 176.6 116.8 175.2#





#5

Phenol-d6

Concen: 0.299 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

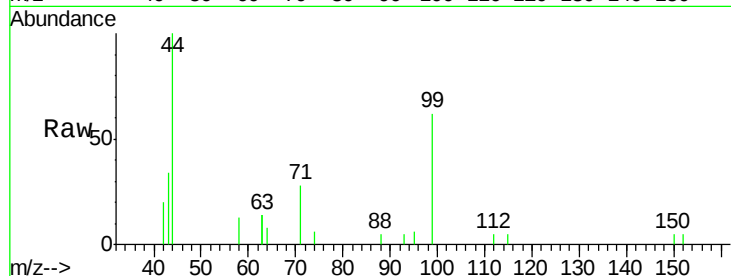
Tot Ion: 99 Resp: 1005

Ion Ratio Lower Upper

99 100

42 27.9 20.2 30.2

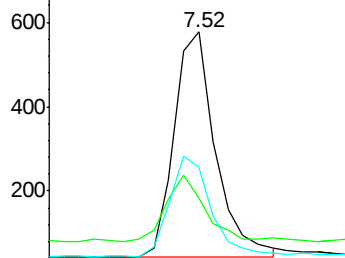
71 44.1 28.4 42.6#



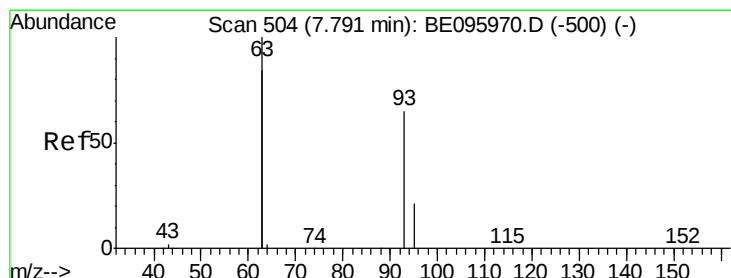
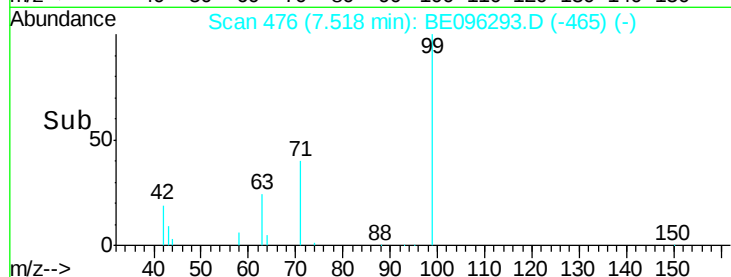
Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.304 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

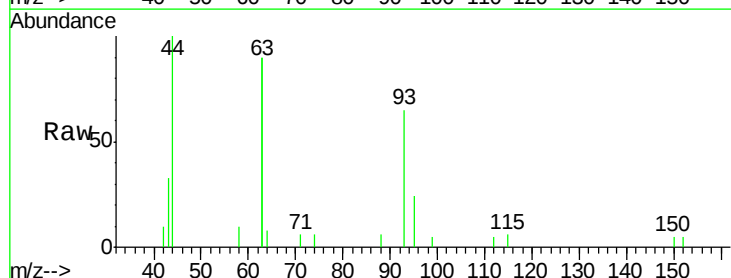
Tgt Ion: 93 Resp: 901

Ion Ratio Lower Upper

93 100

63 321.9 275.3 412.9

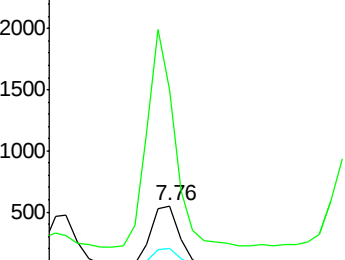
95 32.0 25.2 37.8



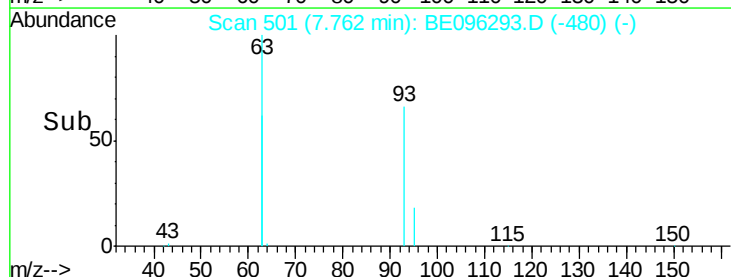
Abundance Ion 93.00 (92.70 to 93.70): BE0

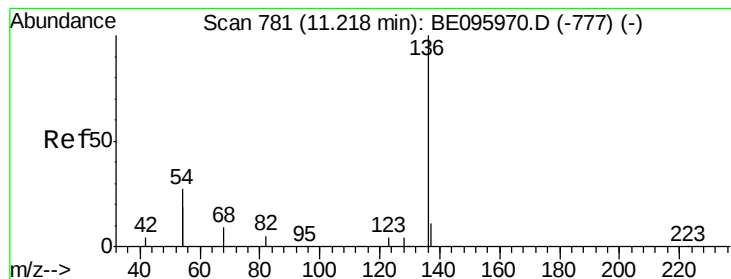
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

Tot Ion:136 Resp: 2769

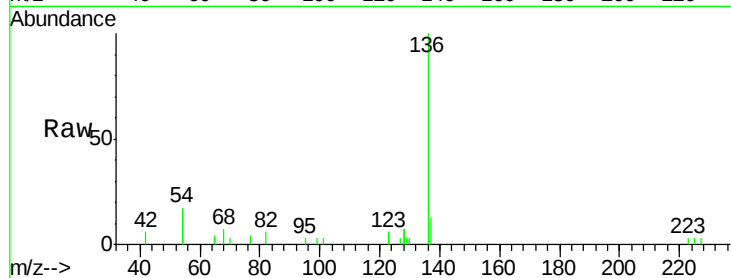
Ion Ratio Lower Upper

136 100

137 13.2 9.5 14.3

54 34.7 29.1 43.7

68 7.3 6.2 9.2

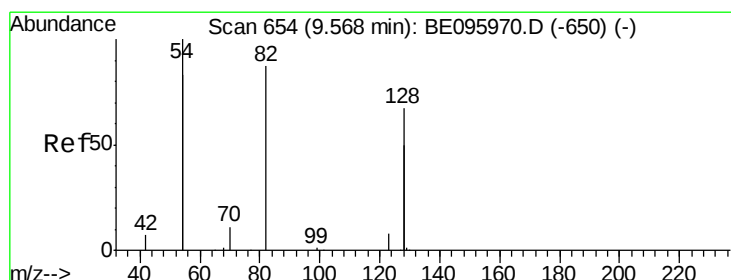
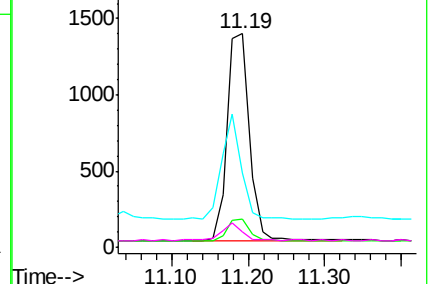
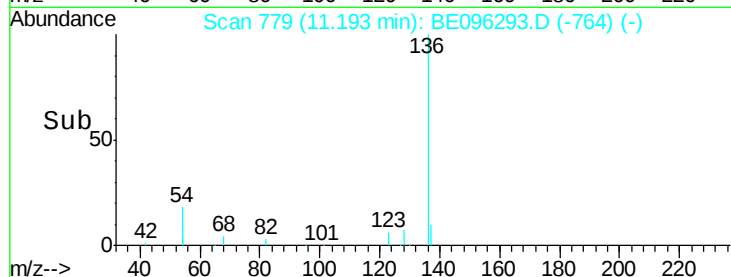


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.472 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

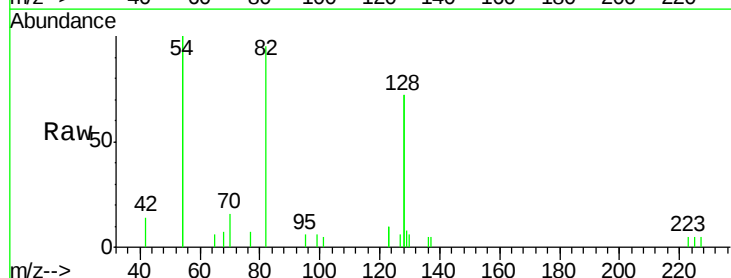
Tgt Ion: 82 Resp: 1534

Ion Ratio Lower Upper

82 100

128 150.4 150.0 225.0

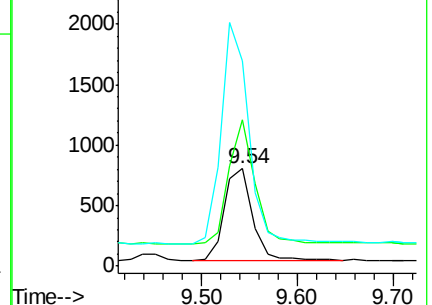
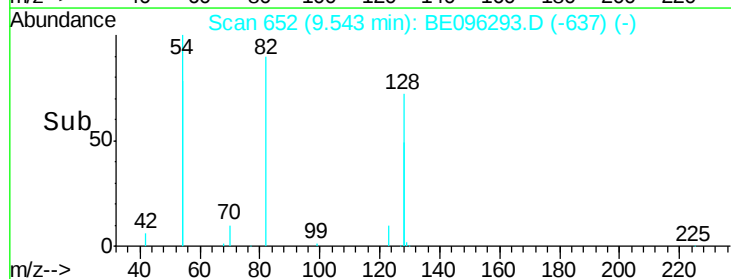
54 209.9 154.2 231.4

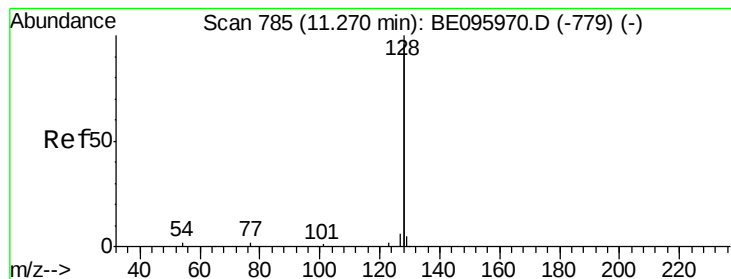


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.354 ng

RT: 11.23 min Scan# 782

Delta R.T. -0.01 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

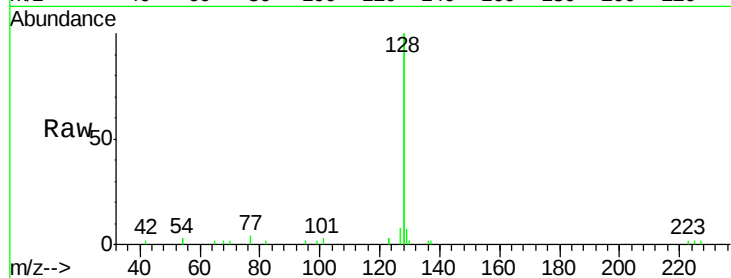
Tot Ion:128 Resp: 10343

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

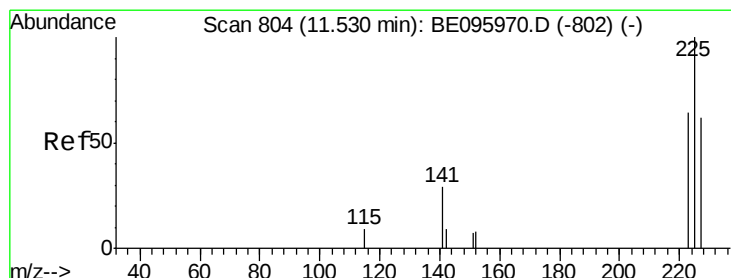
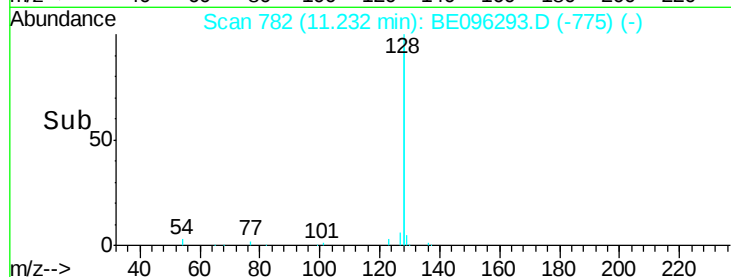
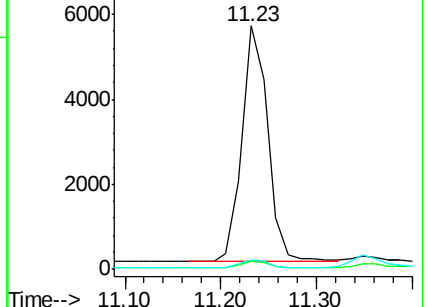
127 3.9 2.8 4.2



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: 0.320 ng

RT: 11.50 min Scan# 803

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

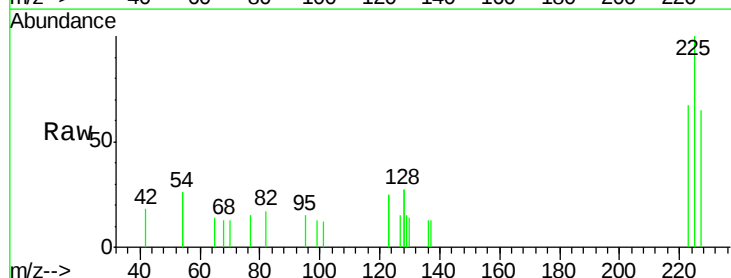
Tgt Ion:225 Resp: 414

Ion Ratio Lower Upper

225 100

223 59.4 53.0 79.6

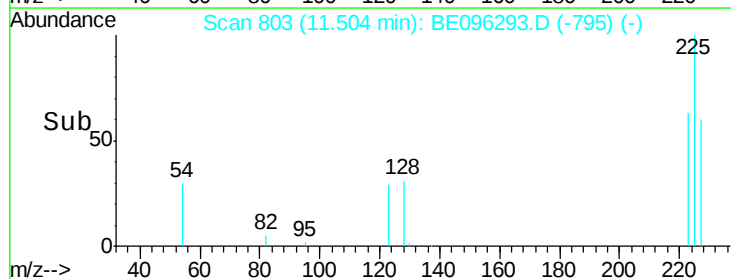
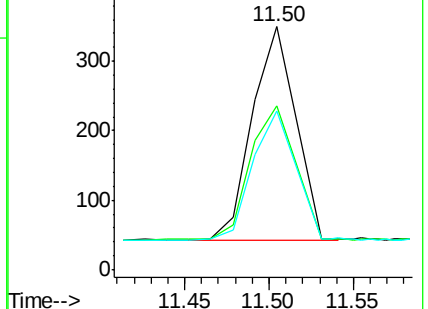
227 67.6 51.4 77.2

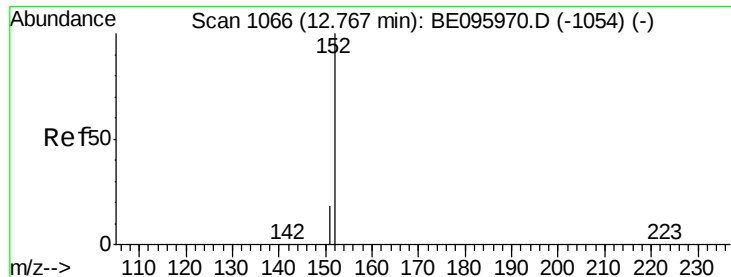


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

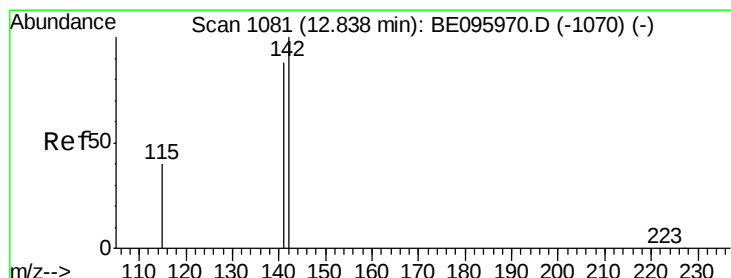
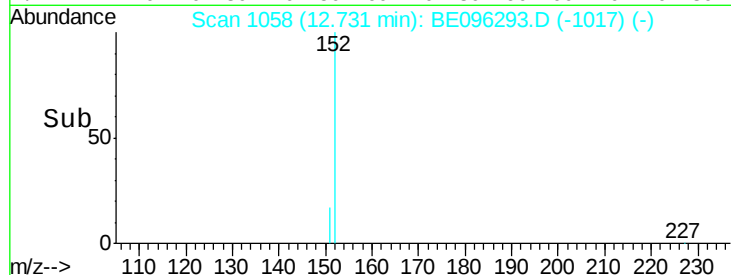
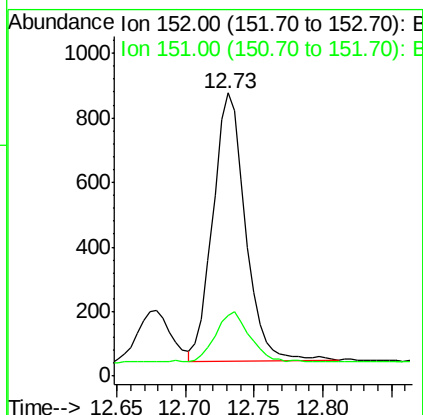
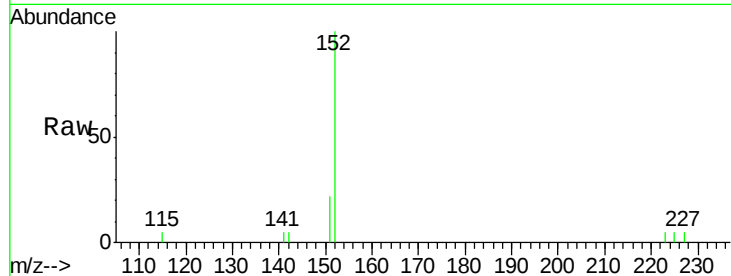




#11
 2-Methylnaphthalene-d10
 Concen: 0.310 ng
 RT: 12.73 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: BE096293.D
 Acq: 2 May 2018 14:03

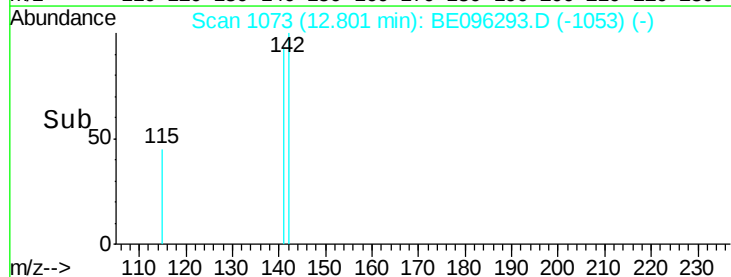
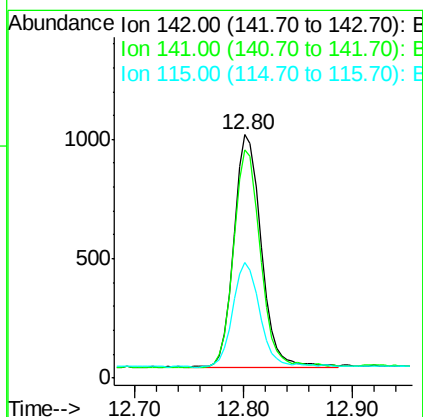
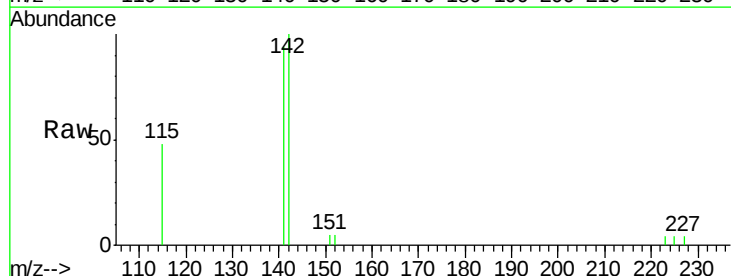
Instrument :
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 PB108755BSD

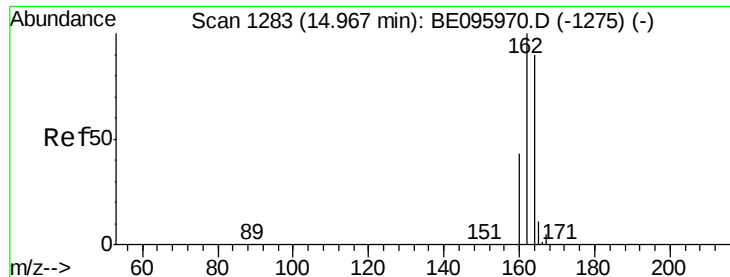
Tot Ion:152 Resp: 1359
 Ion Ratio Lower Upper
 152 100
 151 20.5 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.342 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: BE096293.D
 Acq: 2 May 2018 14:03

Tgt Ion:142 Resp: 1653
 Ion Ratio Lower Upper
 142 100
 141 93.5 70.4 105.6
 115 47.5 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.93 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

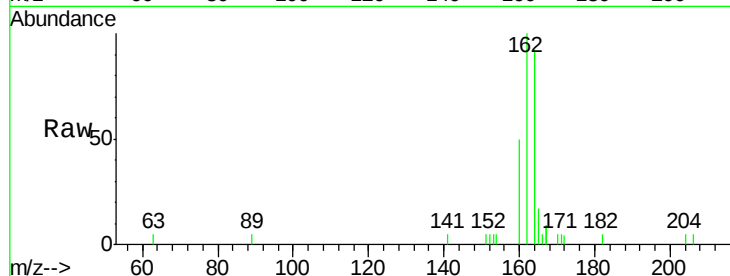
Tot Ion:164 Resp: 1370

Ion Ratio Lower Upper

164 100

162 108.4 83.1 124.7

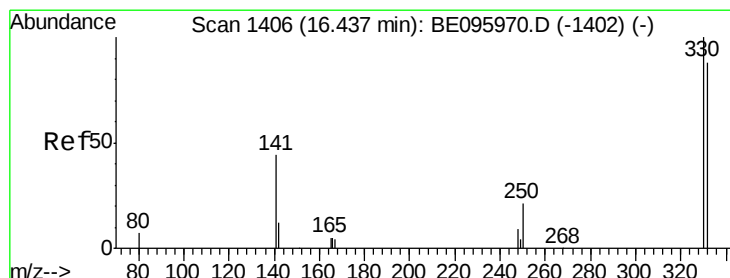
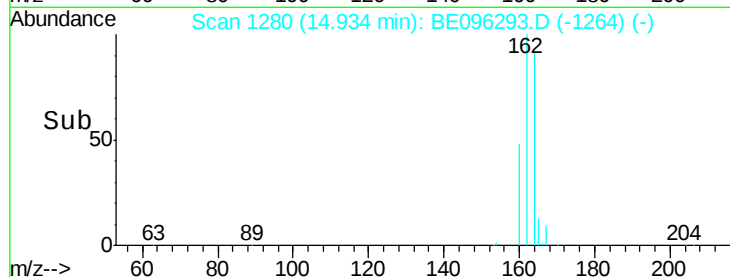
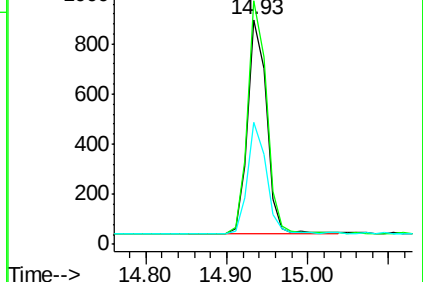
160 54.4 37.1 55.7



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: 0.227 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

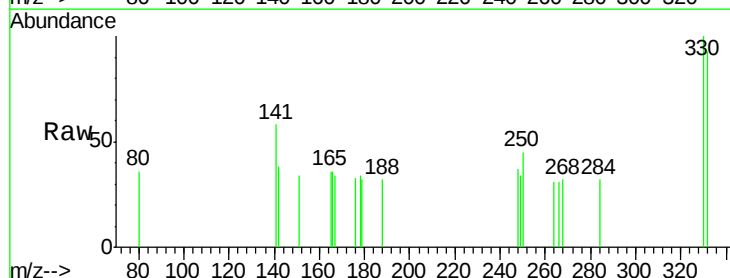
Tgt Ion:330 Resp: 150

Ion Ratio Lower Upper

330 100

332 101.3 152.7 229.1#

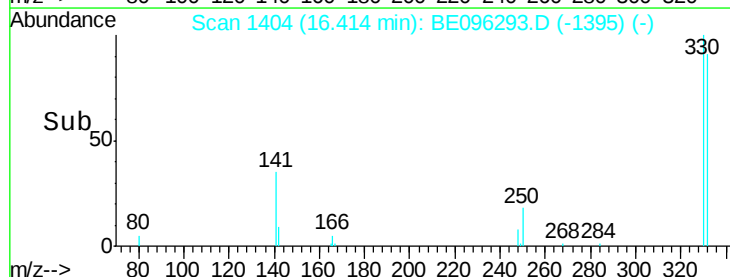
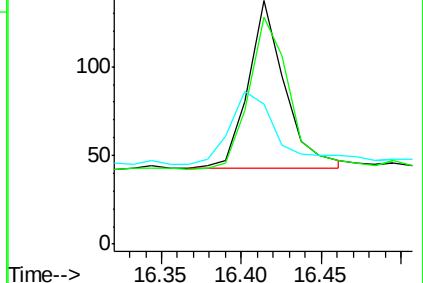
141 54.0 33.7 50.5#

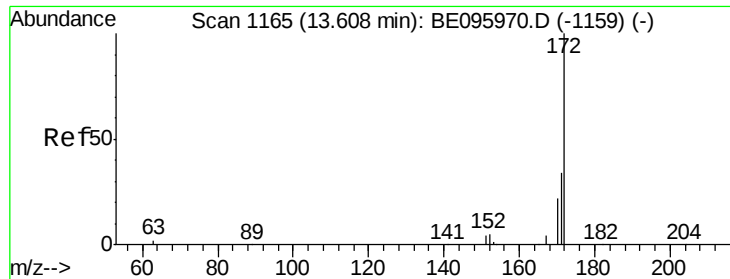


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

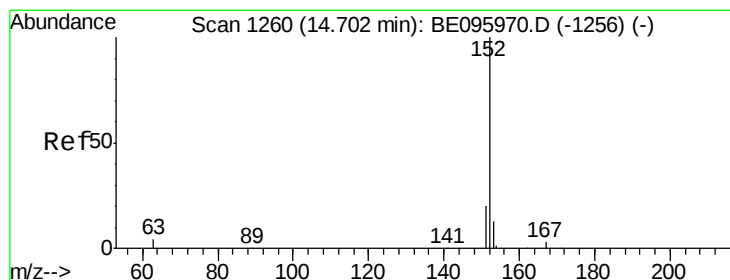
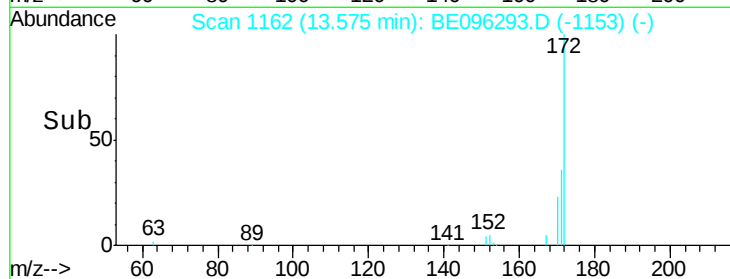
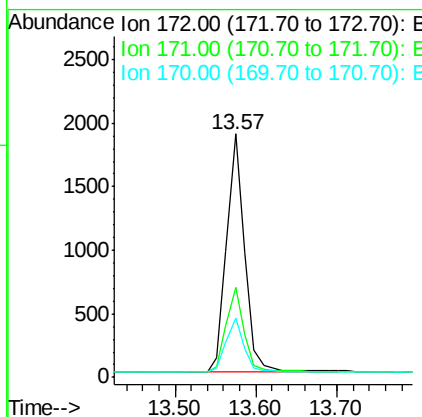
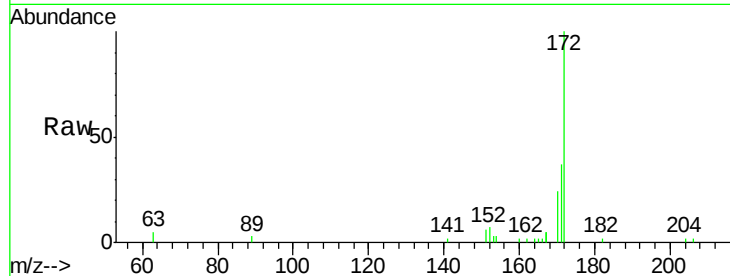




#15
2-Fluorobiphenyl
Concen: 0.495 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

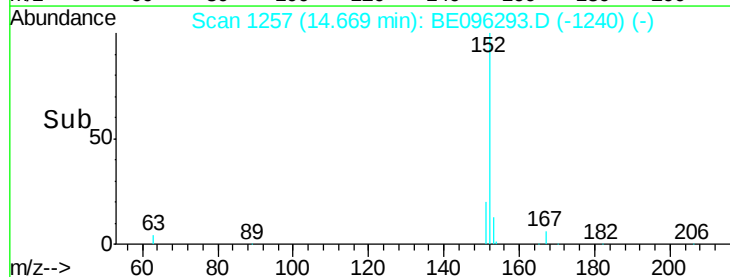
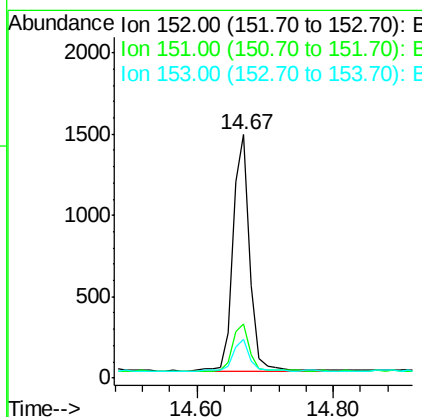
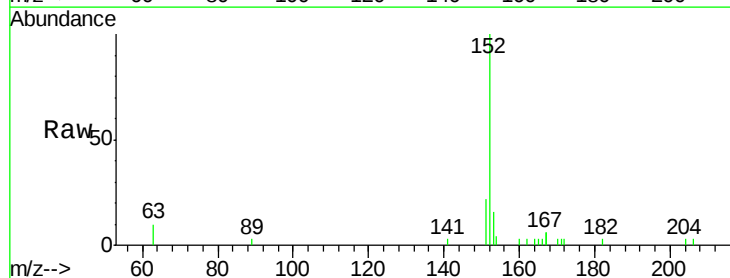
Instrument :
BNA_E
ClientSampleId :
PB108755BSD

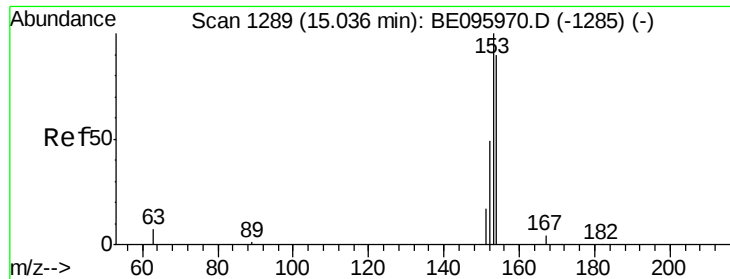
Tot Ion:172 Resp: 2904
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 24.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.340 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:152 Resp: 2486
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.331 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

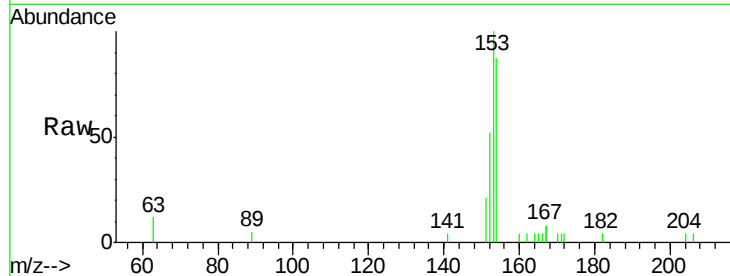
Tot Ion:154 Resp: 1457

Ion Ratio Lower Upper

154 100

153 118.0 89.2 133.8

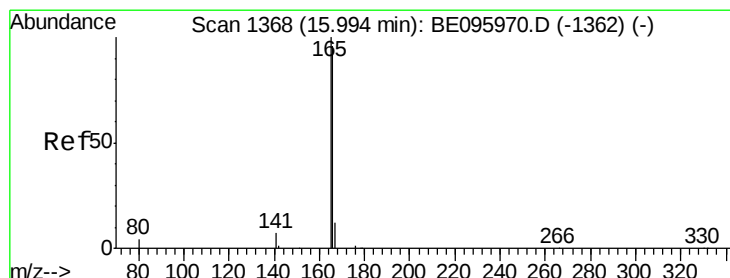
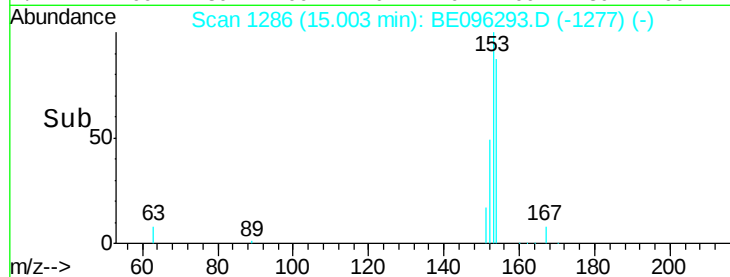
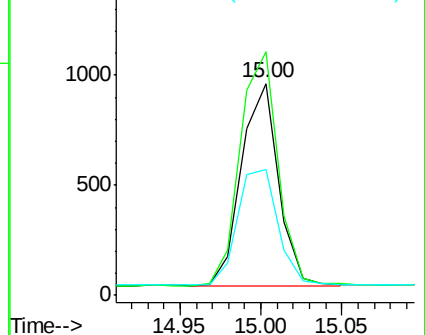
152 63.1 42.0 63.0#



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: 0.430 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

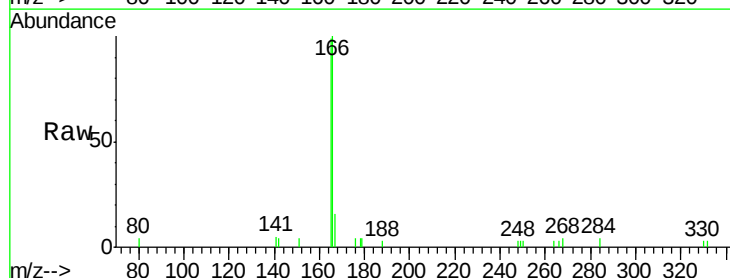
Tgt Ion:166 Resp: 2337

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

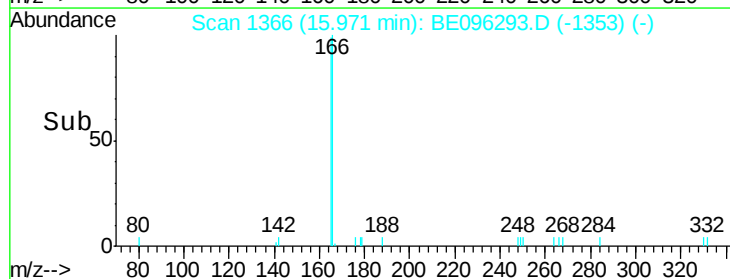
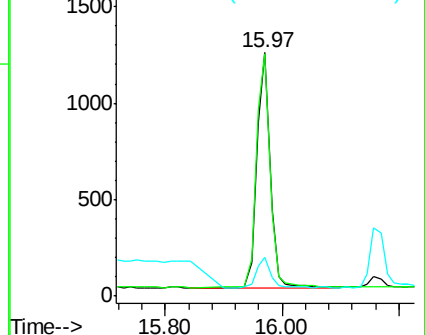
167 10.9 42.4 63.6#

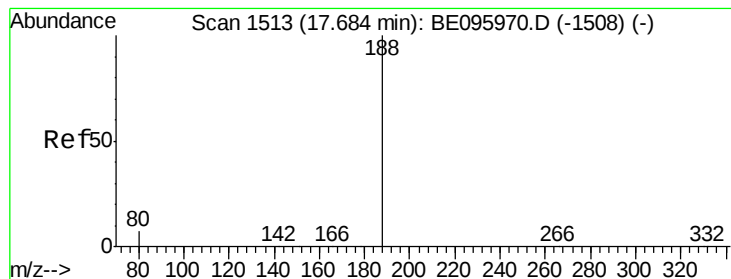


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

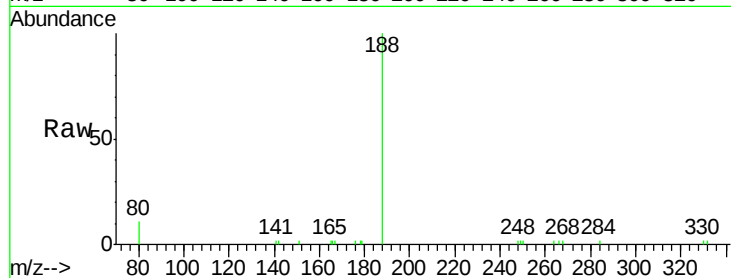
Tot Ion:188 Resp: 3255

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

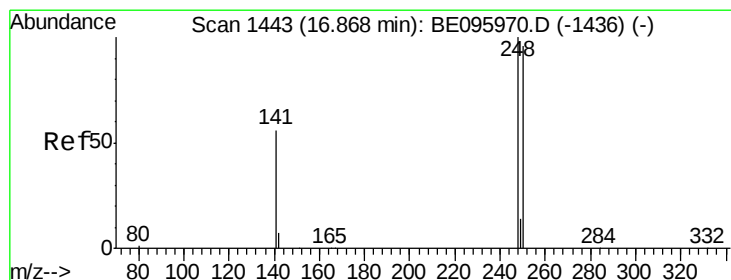
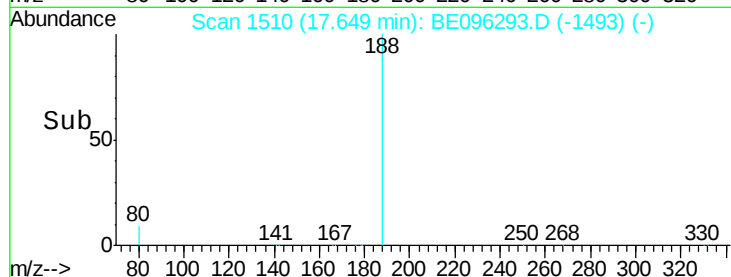
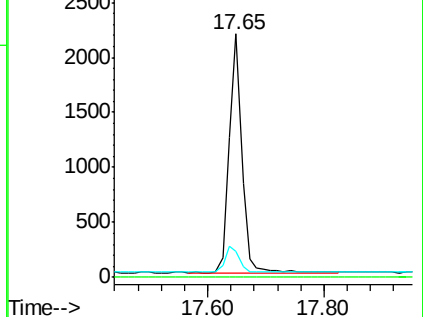
80 10.6 3.6 5.4#



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: 0.306 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

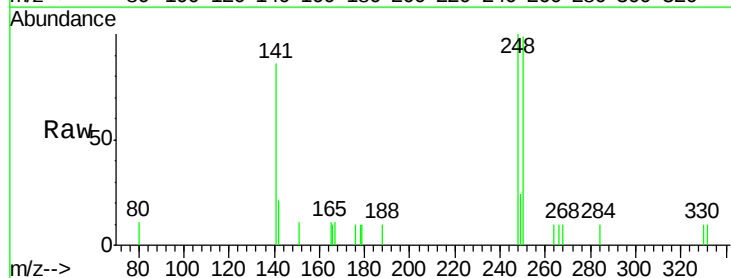
Tgt Ion:248 Resp: 591

Ion Ratio Lower Upper

248 100

250 99.3 62.7 94.1#

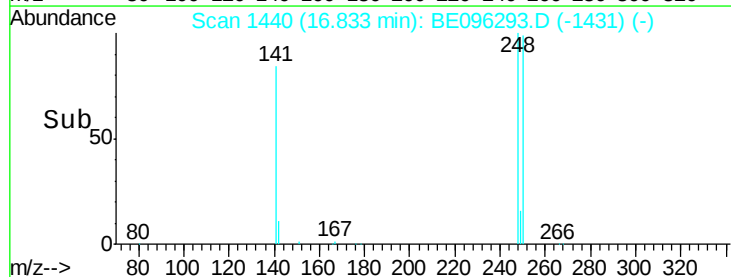
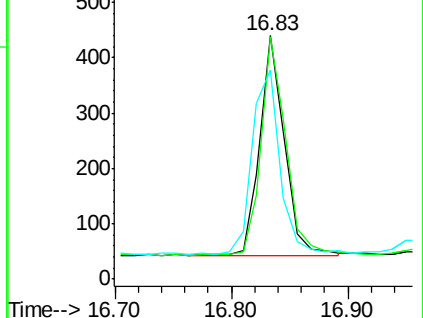
141 85.7 48.2 72.2#

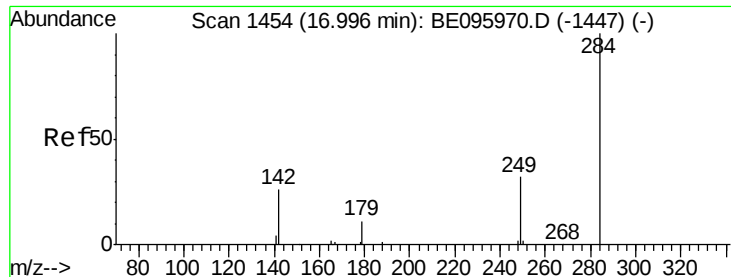


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.319 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

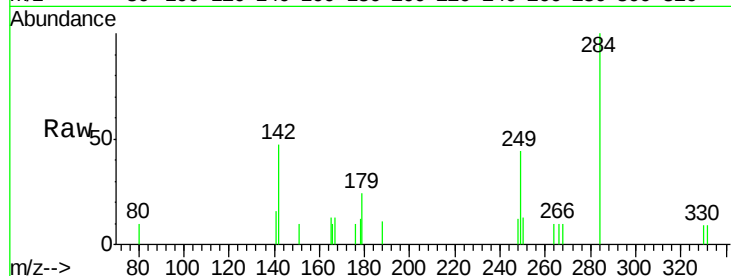
Tot Ion:284 Resp: 614

Ion Ratio Lower Upper

284 100

142 48.5 22.1 33.1#

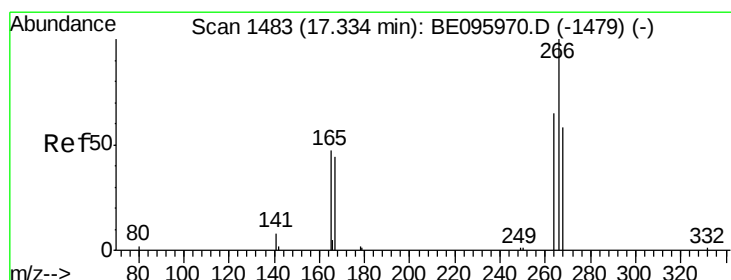
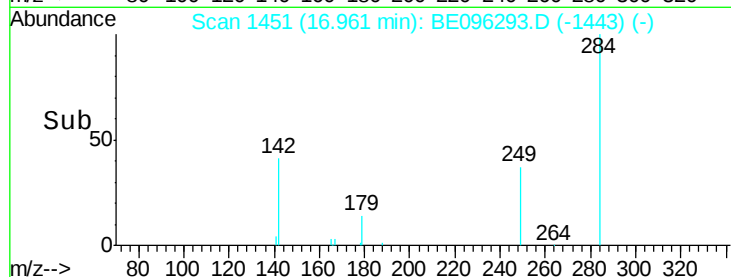
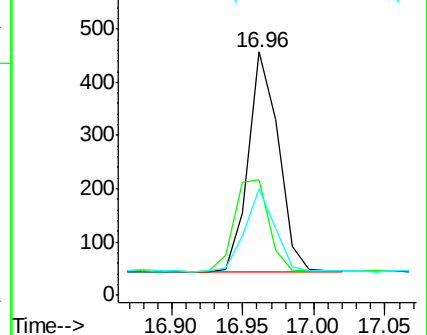
249 37.0 34.8 52.2



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



#22

Pentachlorophenol

Concen: 0.226 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

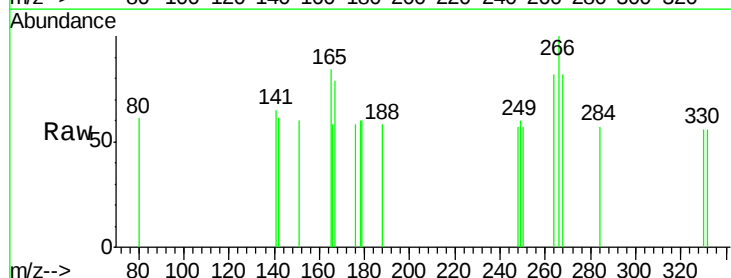
Tgt Ion:266 Resp: 80

Ion Ratio Lower Upper

266 100

264 81.8 72.5 108.7

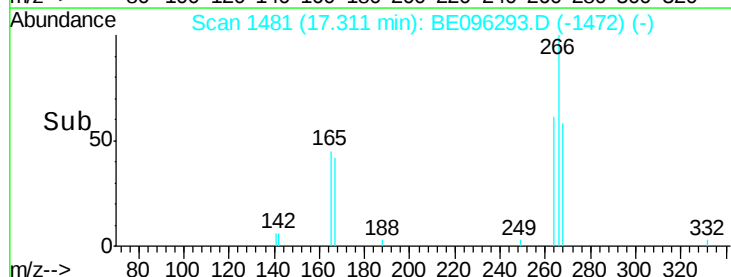
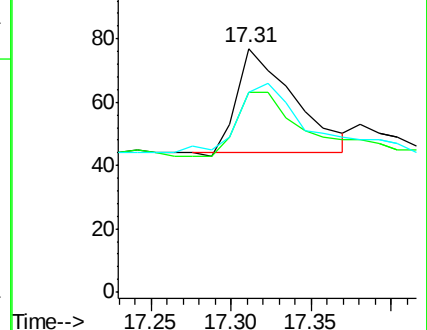
268 81.8 73.8 110.6

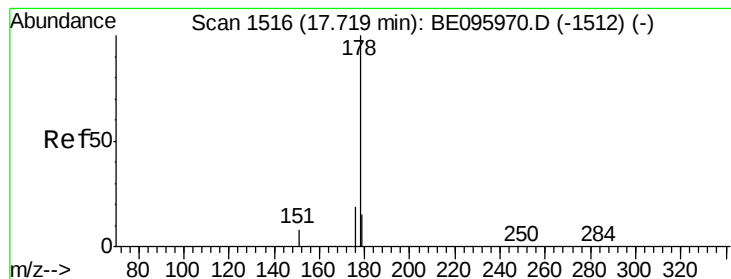


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.351 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

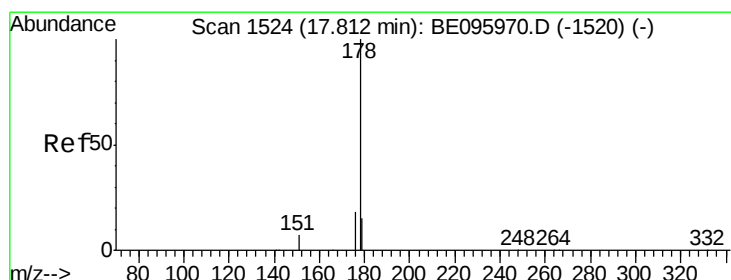
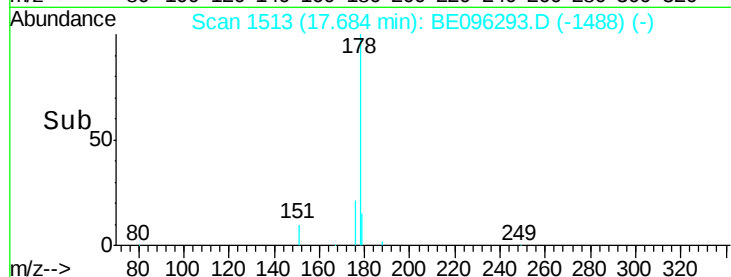
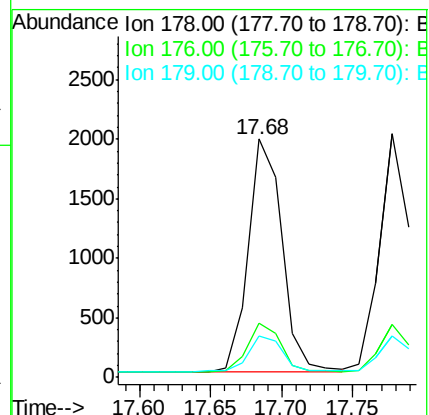
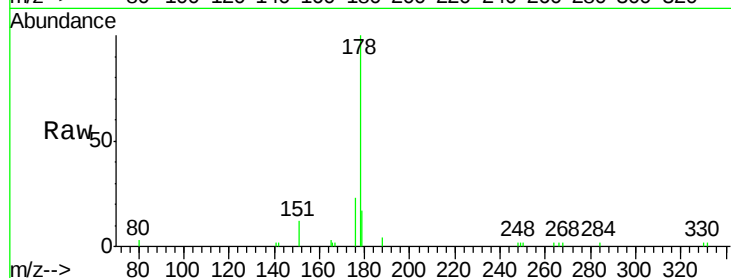
Tot Ion:178 Resp: 3214

Ion Ratio Lower Upper

178 100

176 20.7 15.1 22.7

179 15.7 11.8 17.6



#24

Anthracene

Concen: 0.351 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

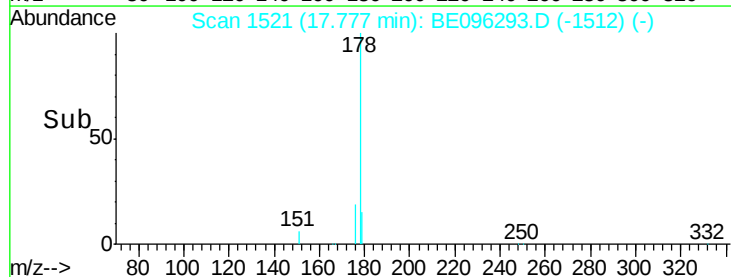
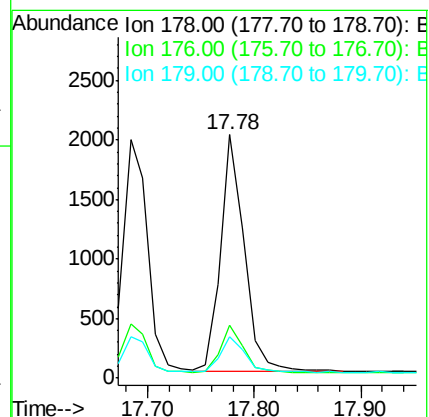
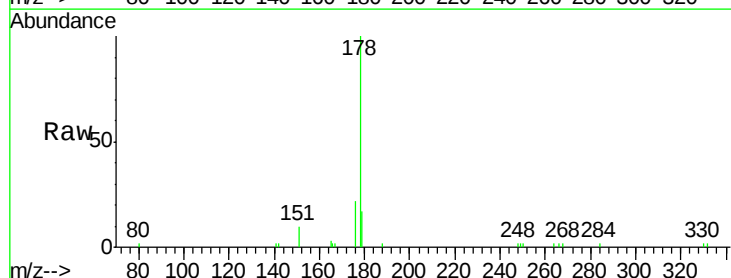
Tgt Ion:178 Resp: 3068

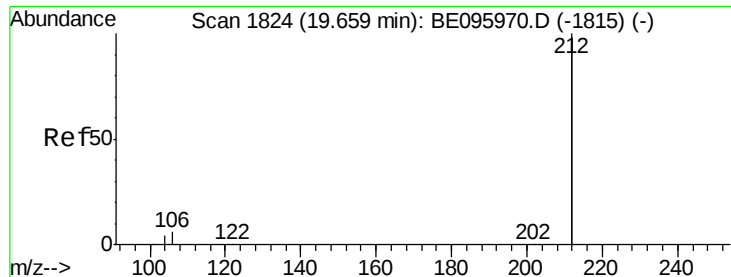
Ion Ratio Lower Upper

178 100

176 19.8 12.8 19.2#

179 15.2 13.0 19.6

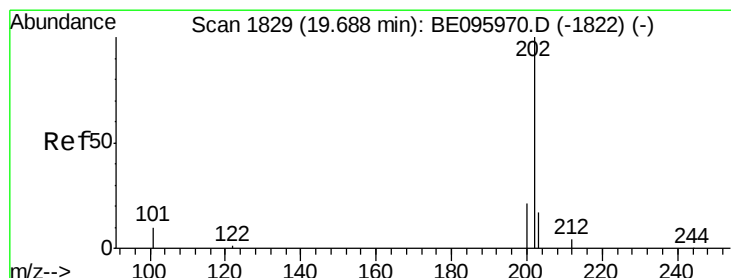
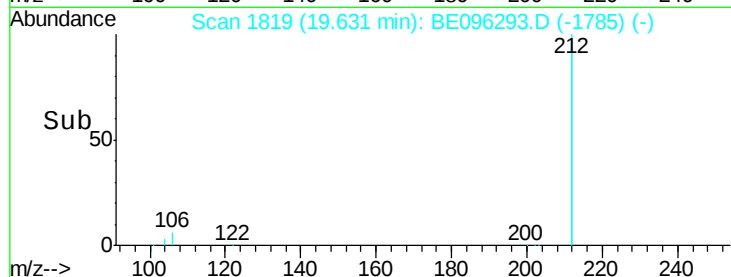
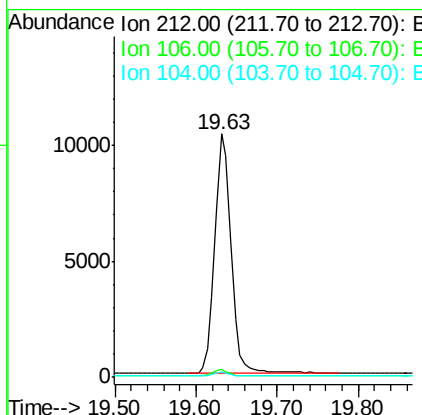
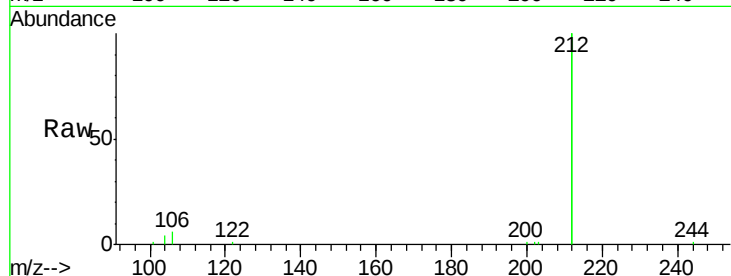




#25
 Fluoranthene-d10
 Concen: 0.326 ng
 RT: 19.63 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BE096293.D
 Acq: 2 May 2018 14:03

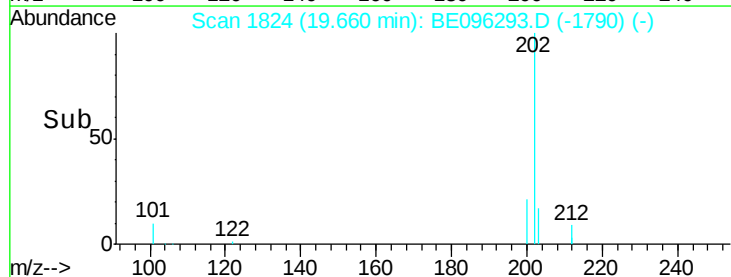
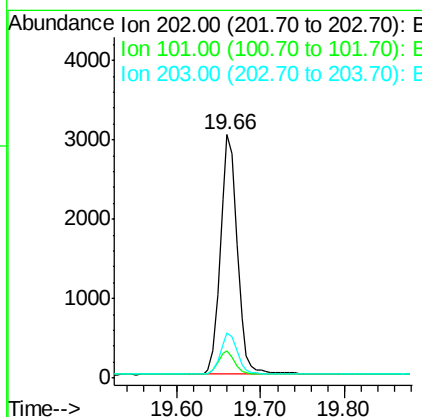
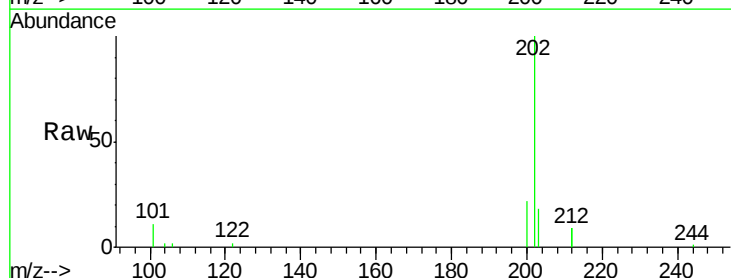
Instrument :
 BNA_E
 ClientSampleId :
 PB108755BSD

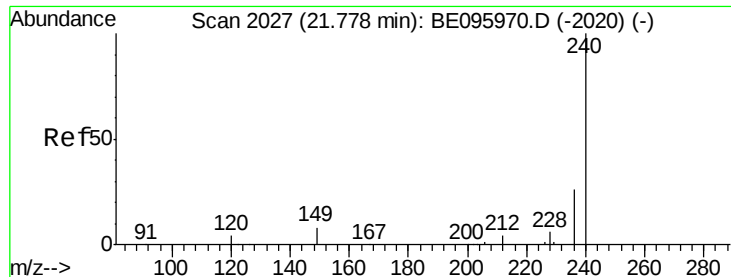
Tot Ion:212 Resp: 14393
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.8 4.2
 104 1.6 1.6 2.4



#26
 Fluoranthene
 Concen: 0.355 ng
 RT: 19.66 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BE096293.D
 Acq: 2 May 2018 14:03

Tgt Ion:202 Resp: 4260
 Ion Ratio Lower Upper
 202 100
 101 9.9 9.8 14.8
 203 16.8 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

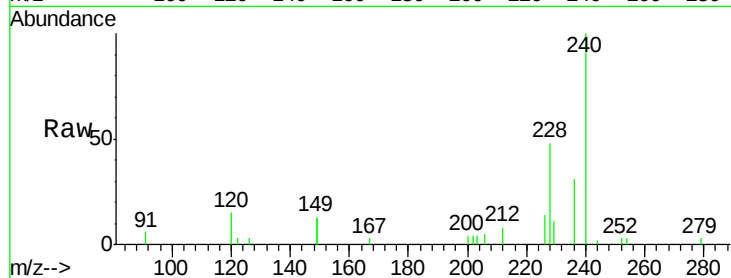
Tot Ion:240 Resp: 3378

Ion Ratio Lower Upper

240 100

120 15.0 5.5 8.3#

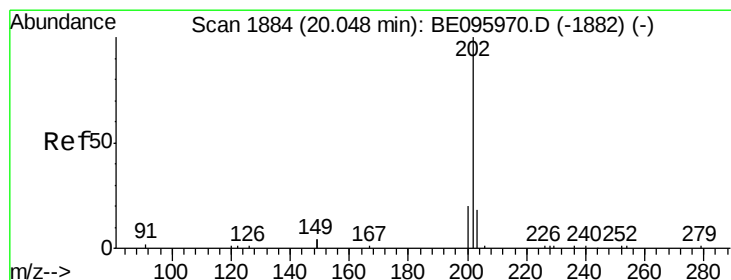
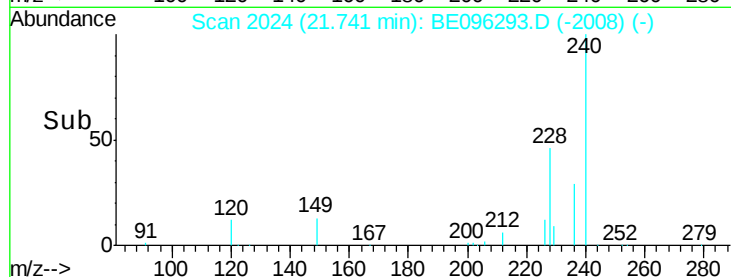
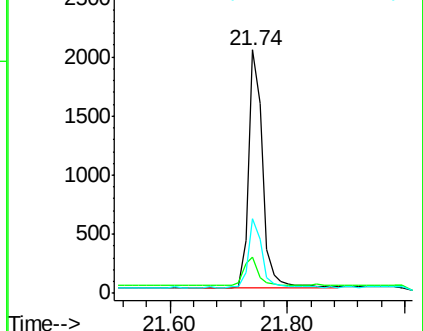
236 30.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.063 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

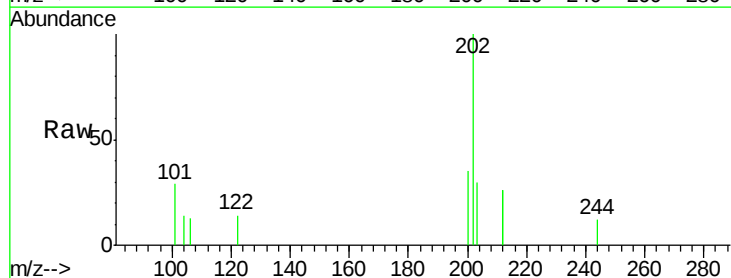
Tgt Ion:202 Resp: 416

Ion Ratio Lower Upper

202 100

200 26.9 16.6 25.0#

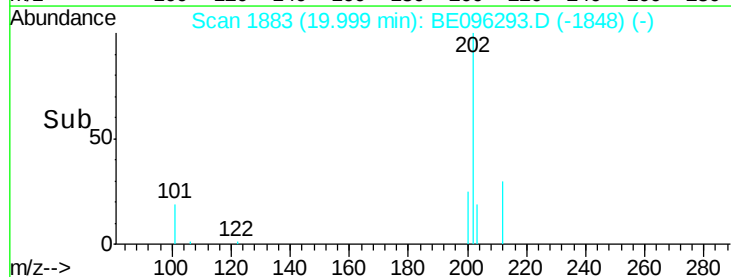
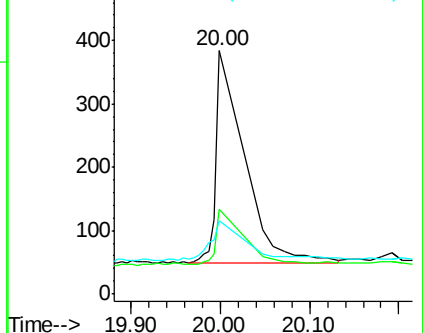
203 32.0 13.8 20.8#

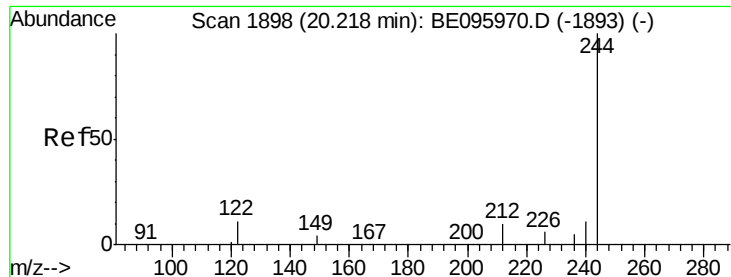


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.460 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

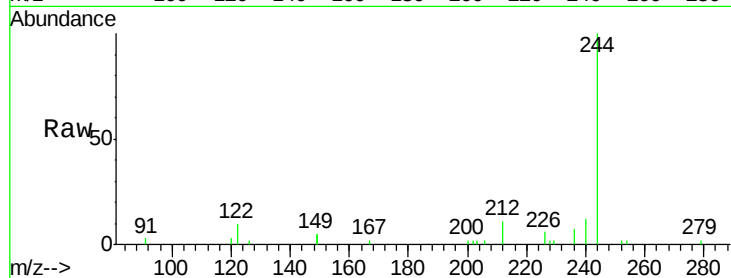
Tot Ion:244 Resp: 3434

Ion Ratio Lower Upper

244 100

212 11.0 25.4 38.0#

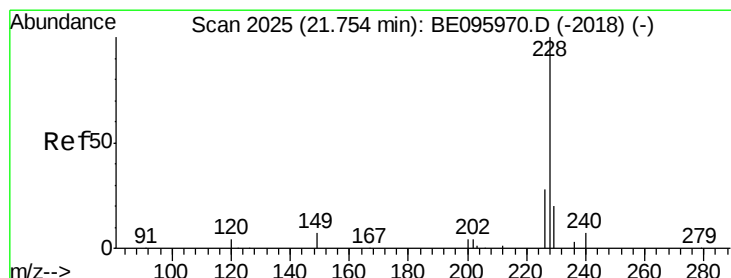
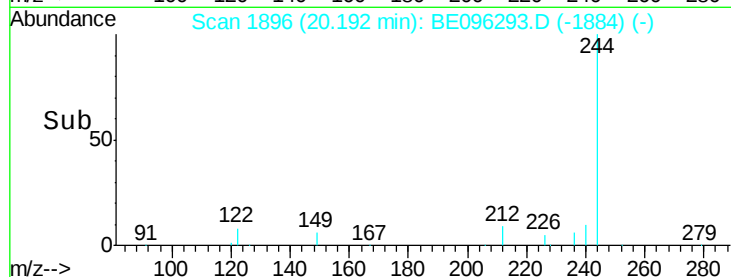
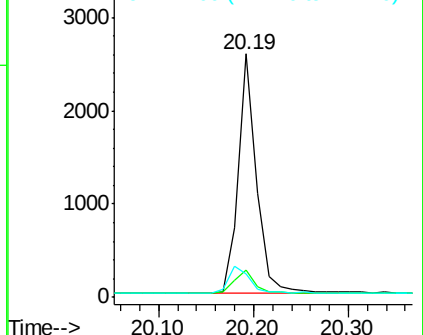
122 9.8 8.1 12.1



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: 0.340 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

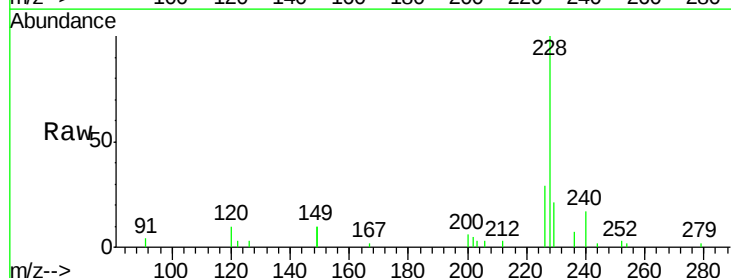
Tgt Ion:228 Resp: 3679

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

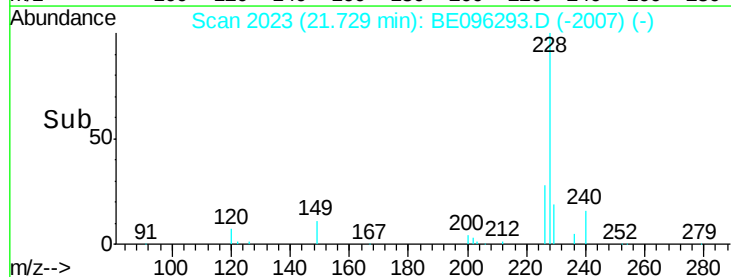
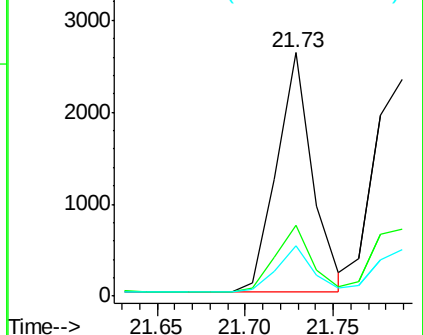
229 20.8 16.0 24.0

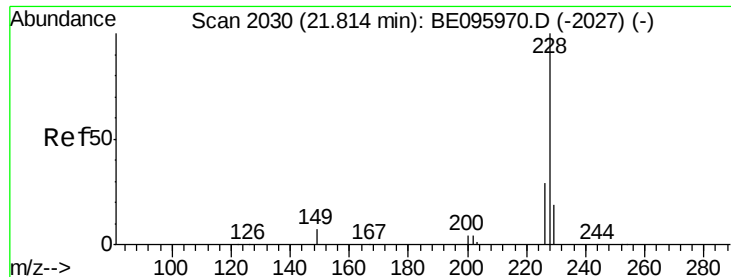


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.367 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

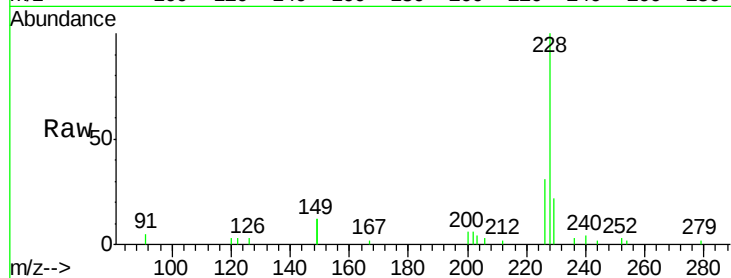
Tot Ion:228 Resp: 3838

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

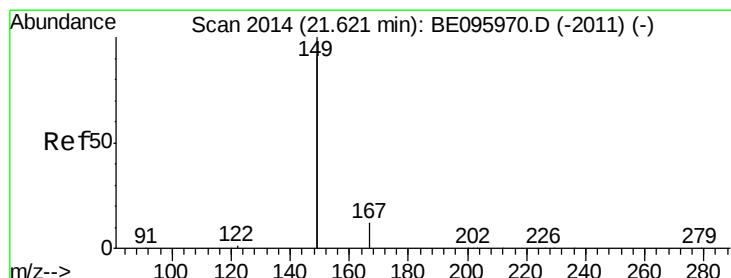
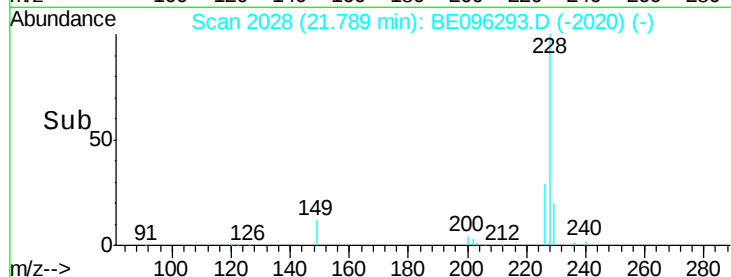
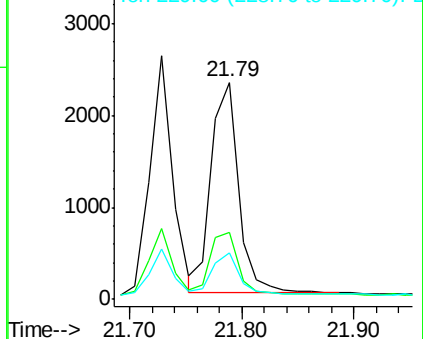
229 21.7 16.0 24.0



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: 0.291 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

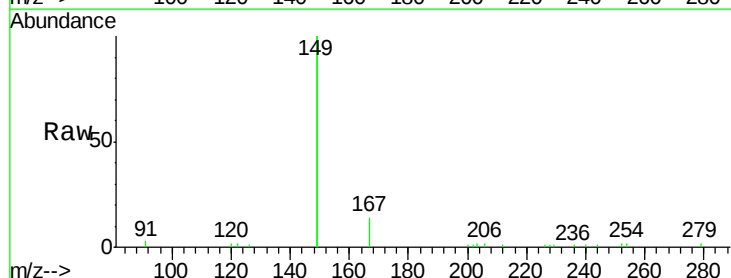
Tgt Ion:149 Resp: 8130

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

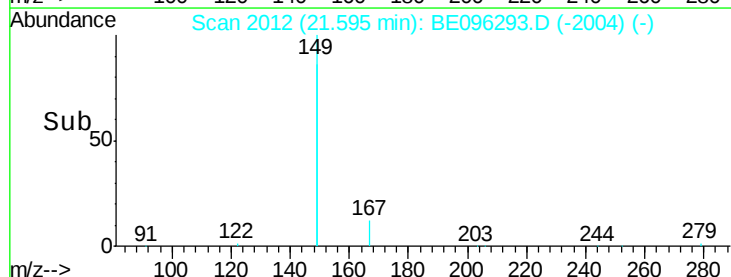
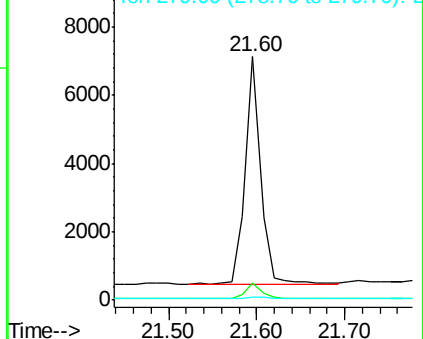
279 0.7 0.7 1.1#

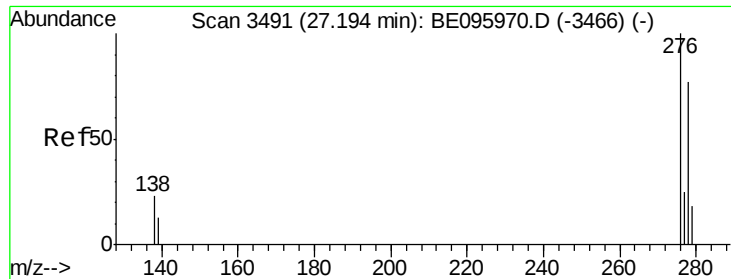


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

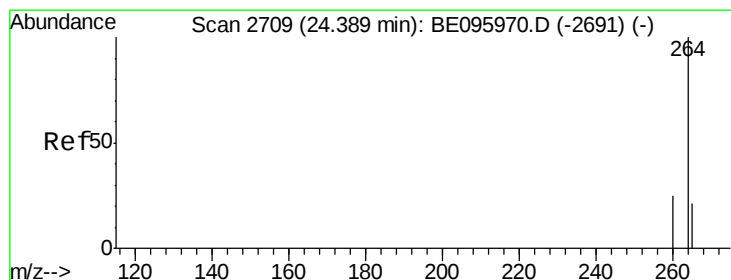
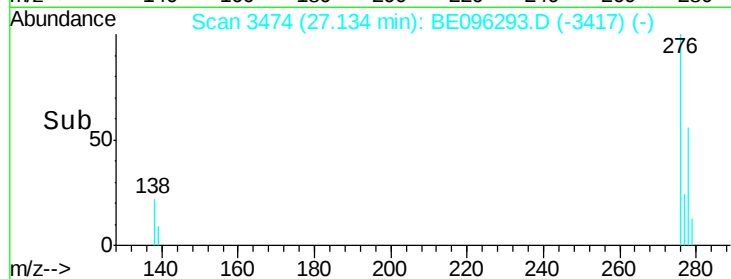
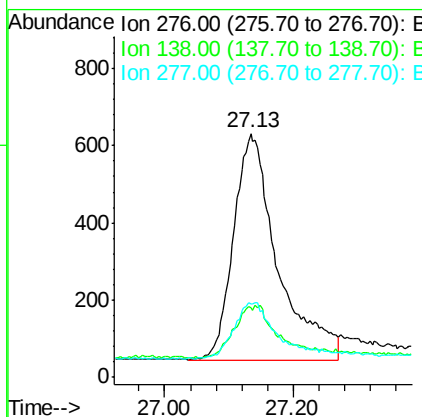
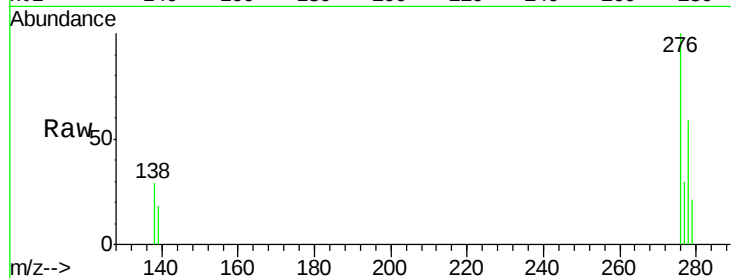




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.276 ng
RT: 27.13 min Scan# 3474
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

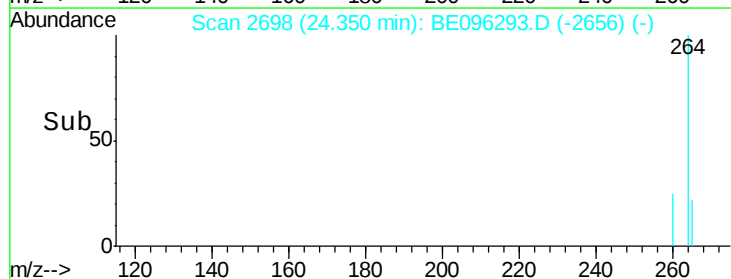
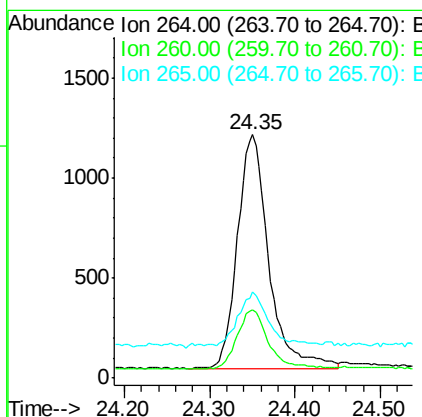
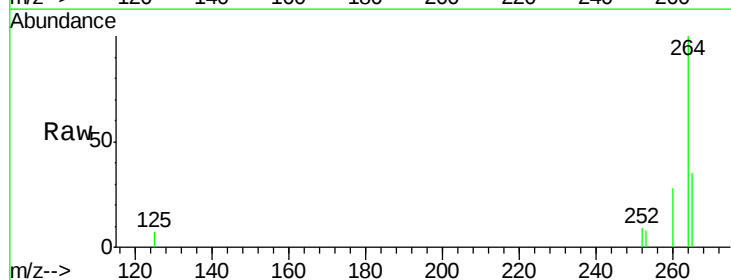
Instrument :
BNA_E
ClientSampleId :
PB108755BSD

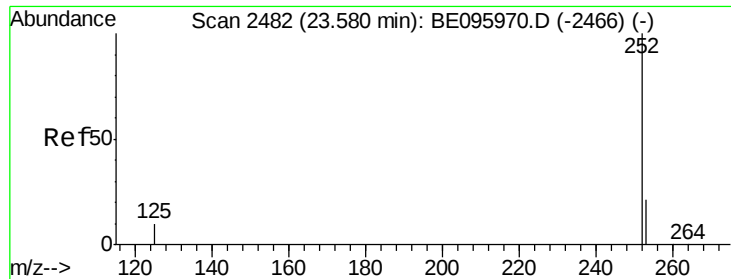
Tot Ion:276 Resp: 2803
Ion Ratio Lower Upper
276 100
138 22.0 22.5 33.7#
277 23.5 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2698
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:264 Resp: 2980
Ion Ratio Lower Upper
264 100
260 27.8 20.5 30.7
265 35.1 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.372 ng

RT: 23.54 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

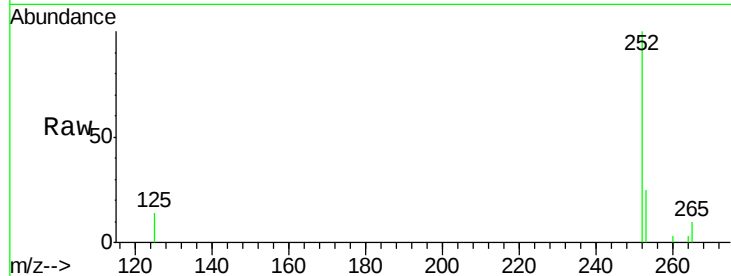
Tot Ion:252 Resp: 3328

Ion Ratio Lower Upper

252 100

253 25.2 20.0 30.0

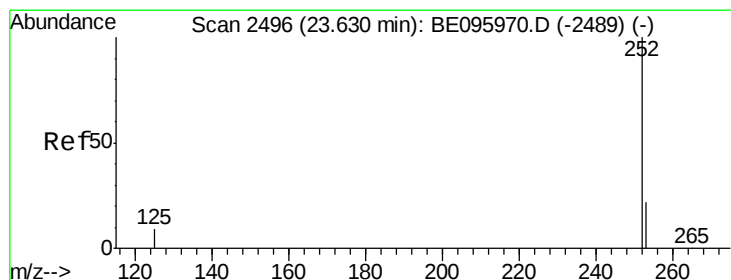
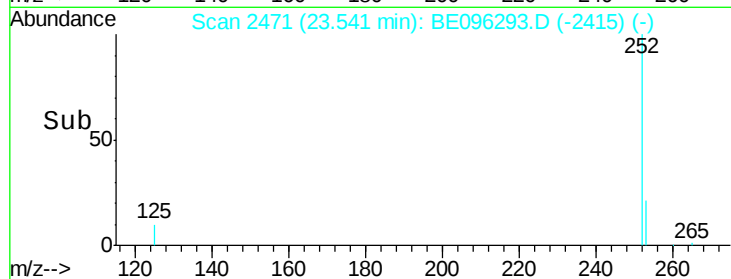
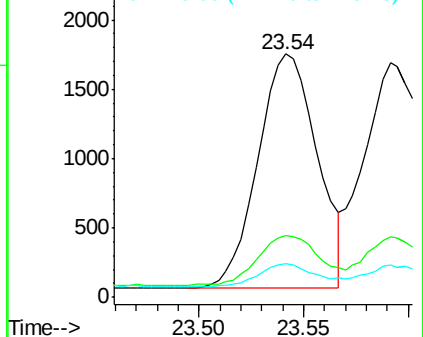
125 13.6 16.0 24.0#



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: 0.372 ng

RT: 23.59 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

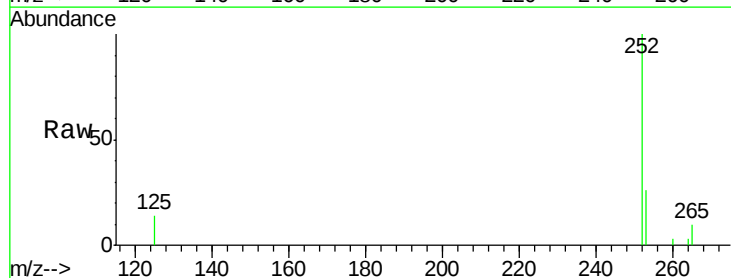
Tgt Ion:252 Resp: 3416

Ion Ratio Lower Upper

252 100

253 25.7 16.0 24.0#

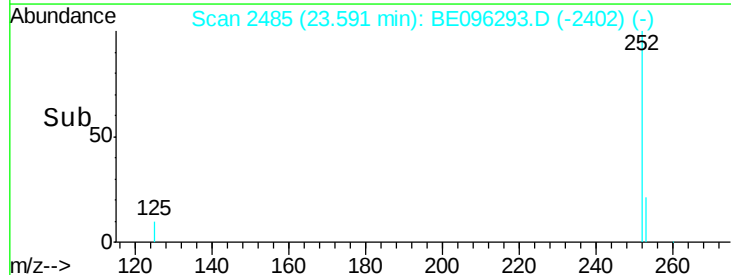
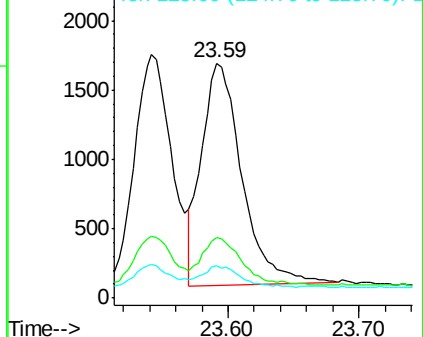
125 13.7 8.0 12.0#

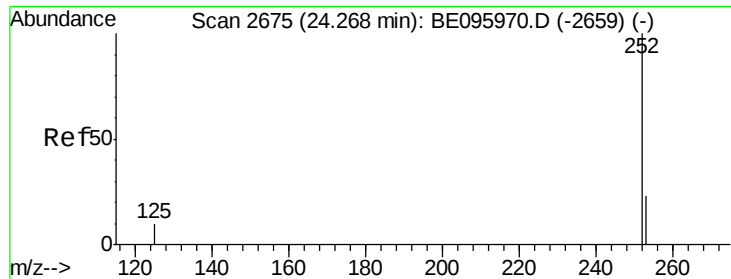


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.375 ng

RT: 24.23 min Scan# 2665

Delta R.T. -0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

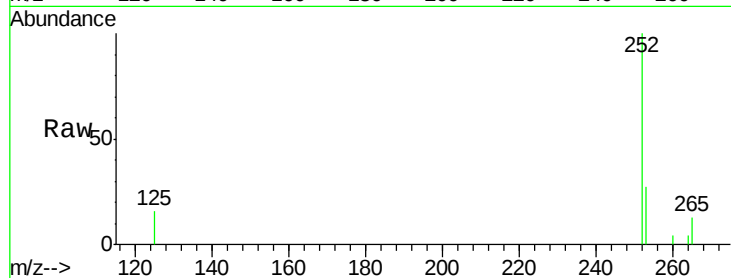
Tot Ion:252 Resp: 3219

Ion Ratio Lower Upper

252 100

253 26.7 16.0 24.0#

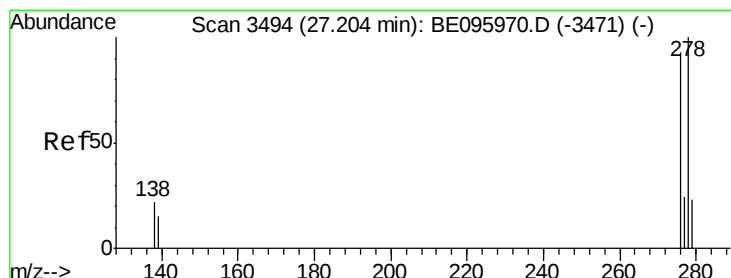
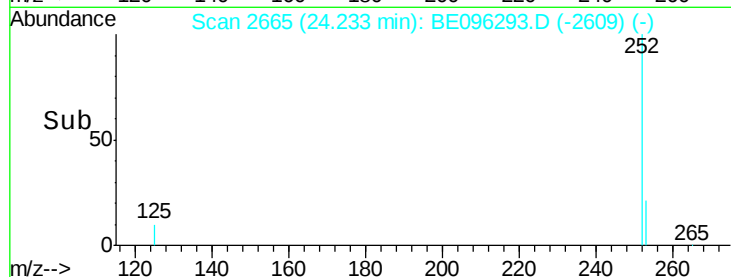
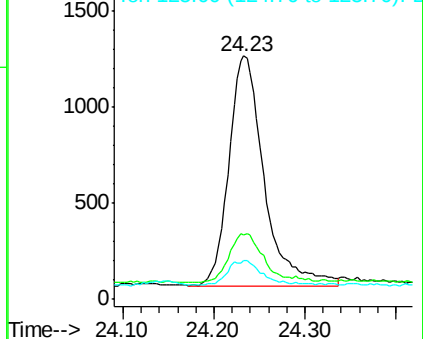
125 15.7 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.268 ng

RT: 27.15 min Scan# 3479

Delta R.T. 0.01 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

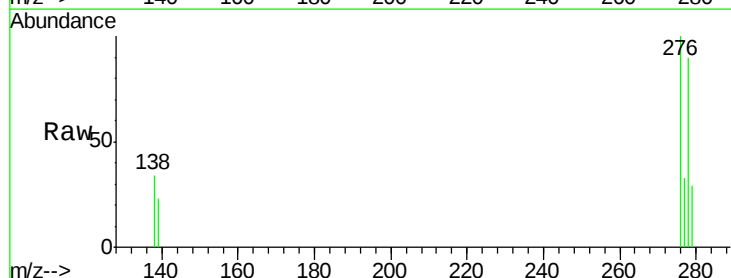
Tgt Ion:278 Resp: 2028

Ion Ratio Lower Upper

278 100

139 25.5 16.0 24.0#

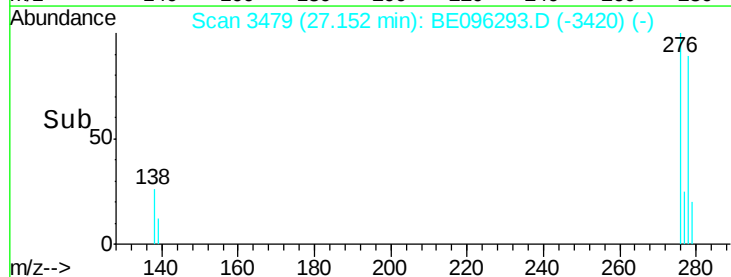
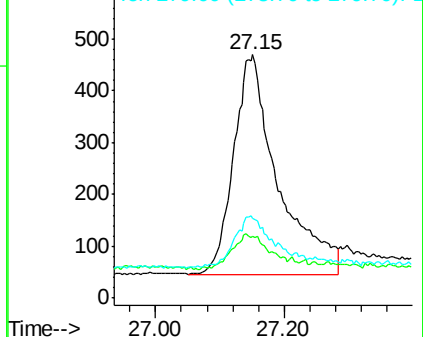
279 32.6 20.0 30.0#

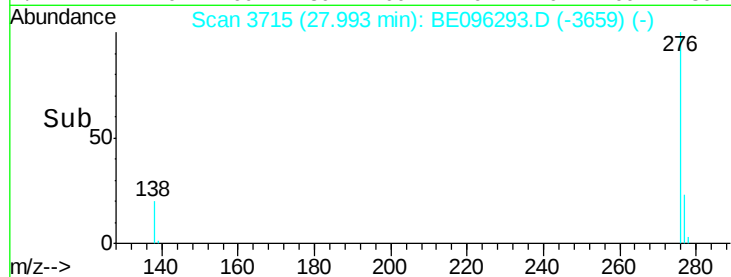
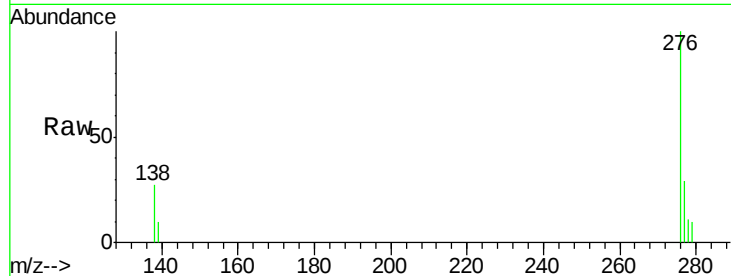
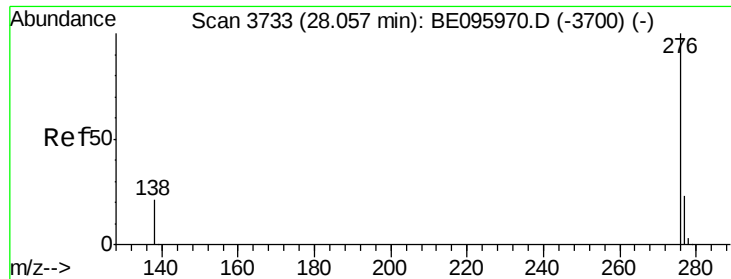


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.323 ng

RT: 27.99 min Scan# 3715

Delta R.T. 0.00 min

Lab File: BE096293.D

Acq: 2 May 2018 14:03

Instrument :

BNA_E

ClientSampleId :

PB108755BSD

Tot Ion:276 Resp: 2585

Ion Ratio Lower Upper

276 100

277 29.0 16.0 24.0#

138 27.1 20.0 30.0

