

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE032318\
 Data File : BE095815.D
 Acq On : 23 Mar 2018 8:46
 Operator : SJ/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 23 10:57:46 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 10:57:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	981	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	3818	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2309	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5876	0.40	ng	0.00
27) Chrysene-d12	21.80	240	6988	0.40	ng	0.00
34) Perylene-d12	24.44	264	6674	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	341	0.13	ng	0.00
5) Phenol-d6	7.57	99	441	0.12	ng	0.00
8) Nitrobenzene-d5	9.61	82	453	0.12	ng	0.01
11) 2-Methylnaphthalene-d10	12.80	152	657	0.10	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	134	0.16	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	967	0.09	ng	0.00
25) Fluoranthene-d10	19.69	212	8877	0.12	ng	0.00
29) Terphenyl-d14	20.24	244	1519	0.11	ng	0.00

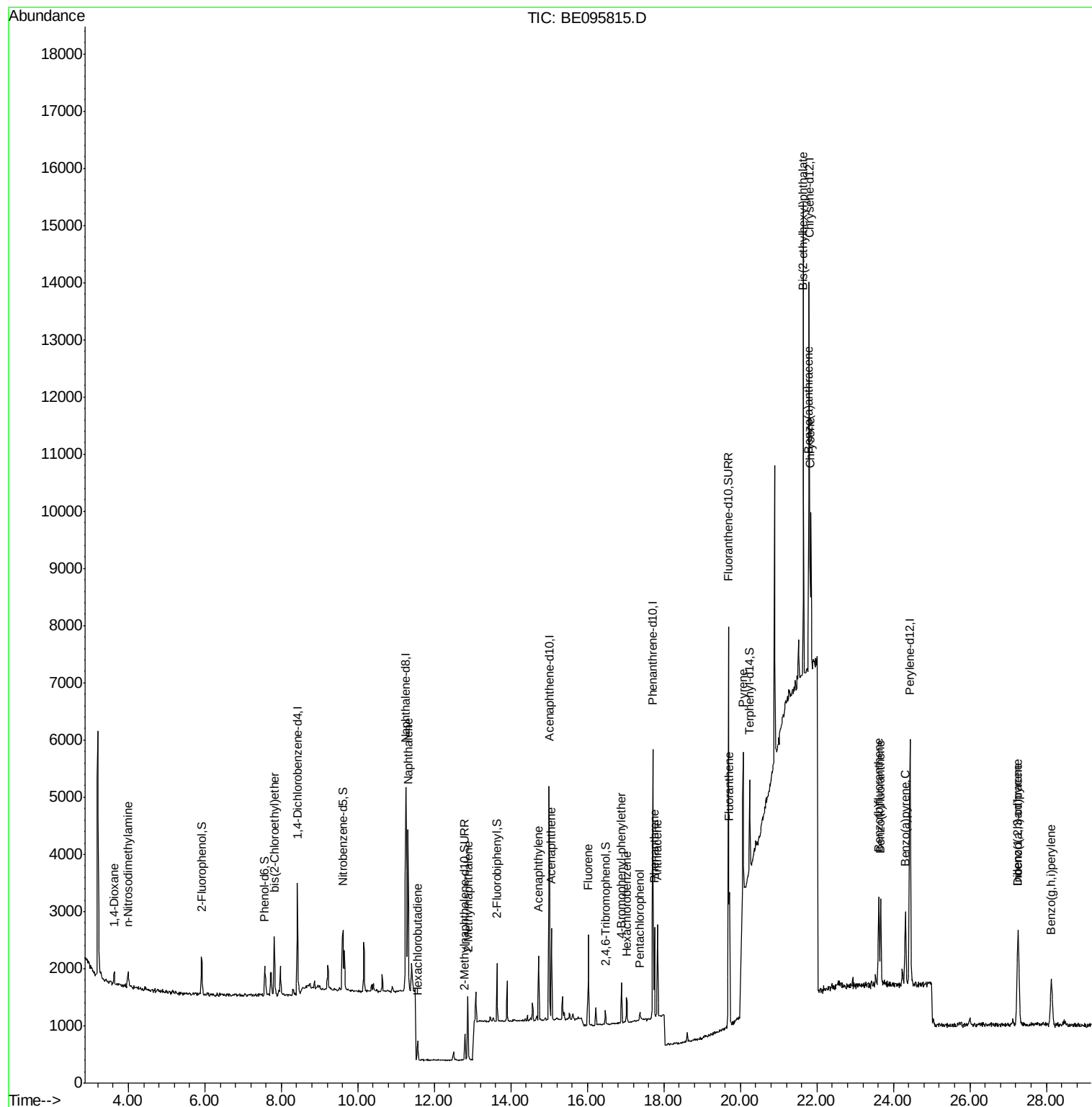
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.63	88	176	0.114	ng	92
3) n-Nitrosodimethylamine	3.99	42	235	0.123	ng	# 70
6) bis(2-Chloroethyl)ether	7.82	93	410	0.111	ng	# 87
9) Naphthalene	11.31	128	4491	0.102	ng	# 96
10) Hexachlorobutadiene	11.56	225	309	0.120	ng	96
12) 2-Methylnaphthalene	12.87	142	750	0.099	ng	# 92
16) Acenaphthylene	14.73	152	1308	0.101	ng	98
17) Acenaphthene	15.06	154	785	0.096	ng	93
18) Fluorene	16.03	166	1062	0.105	ng	# 80
20) 4-Bromophenyl-phenylether	16.89	248	348	0.094	ng	# 62
21) Hexachlorobenzene	17.03	284	356	0.093	ng	# 84
22) Pentachlorophenol	17.37	266	110	0.125	ng	# 81
23) Phenanthrene	17.75	178	1744	0.095	ng	97
24) Anthracene	17.83	178	1740	0.103	ng	# 94
26) Fluoranthene	19.72	202	2455	0.109	ng	95
28) Pyrene	20.07	202	2641	0.092	ng	# 83
30) Benzo(a)anthracene	21.78	228	2389	0.105	ng	# 85
31) Chrysene	21.84	228	2236	0.099	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.64	149	9208	0.228	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.25	276	2350	0.107	ng	92
35) Benzo(b)fluoranthene	23.62	252	2250	0.095	ng	# 63
36) Benzo(k)fluoranthene	23.67	252	2172	0.092	ng	# 44
37) Benzo(a)pyrene	24.31	252	2047	0.096	ng	# 42
38) Dibenzo(a,h)anthracene	27.27	278	1931	0.101	ng	# 49
39) Benzo(g,h,i)perylene	28.13	276	2009	0.098	ng	# 59

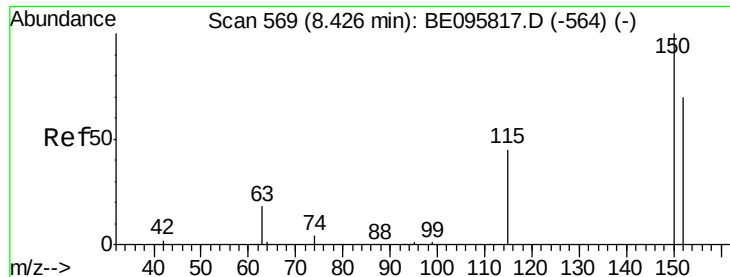
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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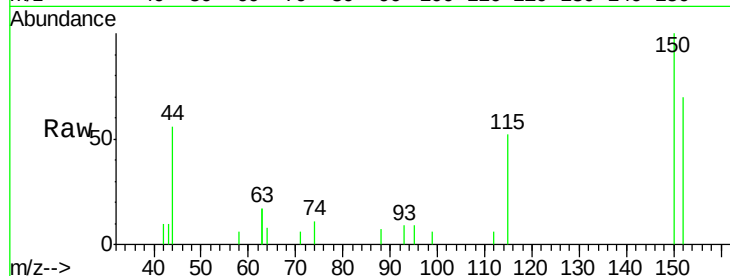


#1

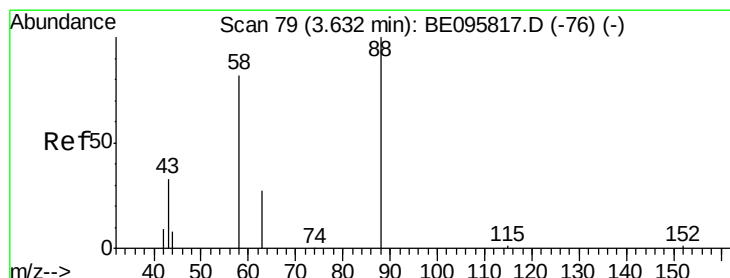
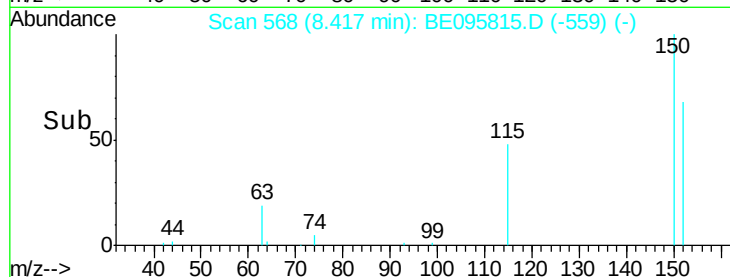
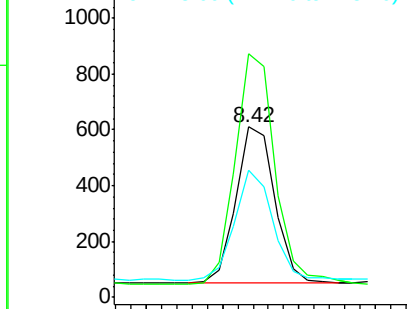
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 981
Ion Ratio Lower Upper
152 100
150 143.0 117.2 175.8
115 74.6 57.0 85.6



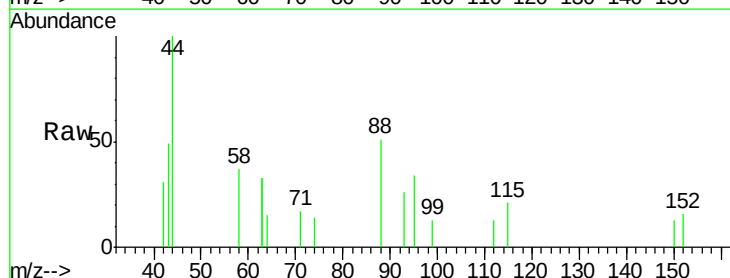
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



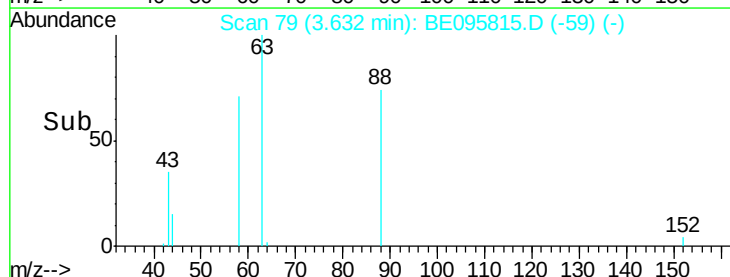
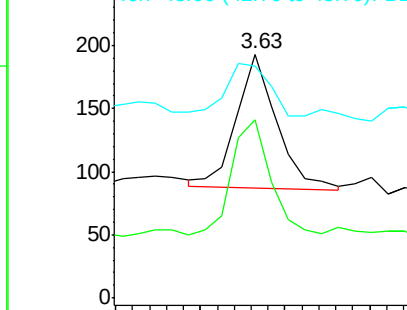
#2

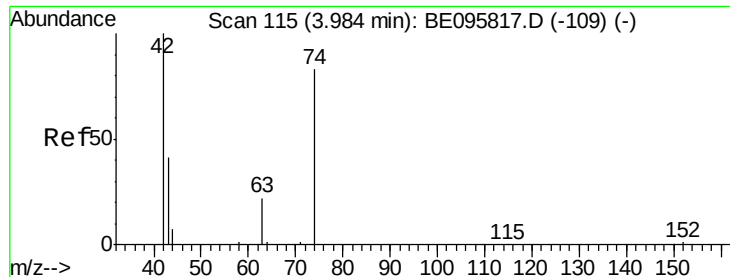
1,4-Dioxane
Concen: 0.114 ng
RT: 3.63 min Scan# 79
Delta R.T. 0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
58 81.8 63.2 94.8
43 41.5 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



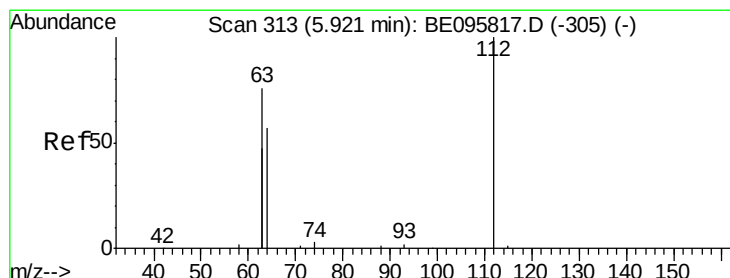
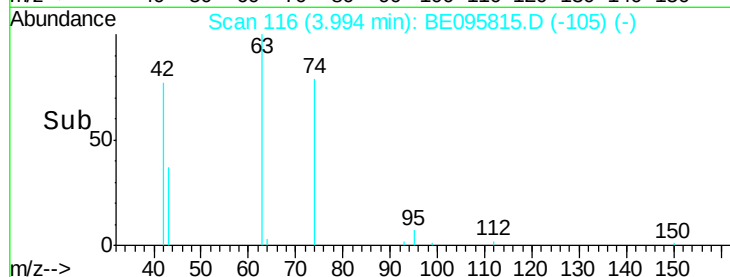
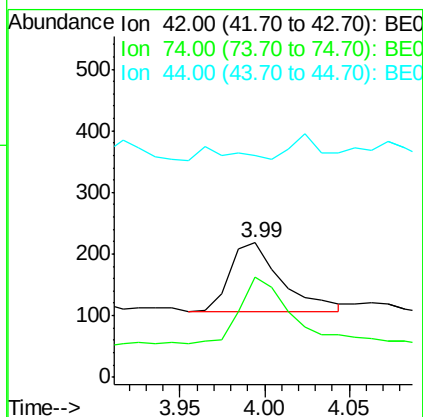
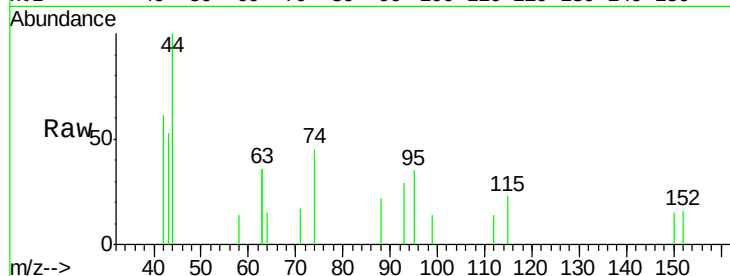


#3

n-Nitrosodimethylamine
 Concen: 0.123 ng
 RT: 3.99 min Scan# 116
 Delta R.T. 0.01 min
 Lab File: BE095815.D
 Acq: 23 Mar 2018 8:46

Instrument :
 BNA_E
 ClientSampleId :

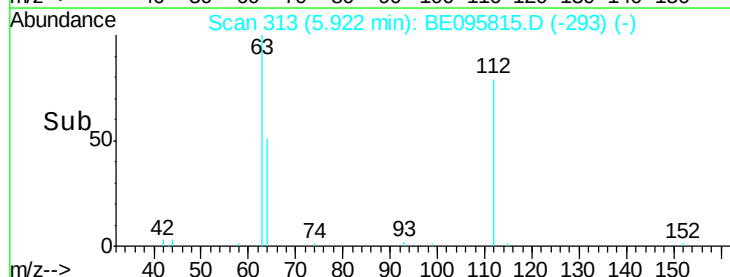
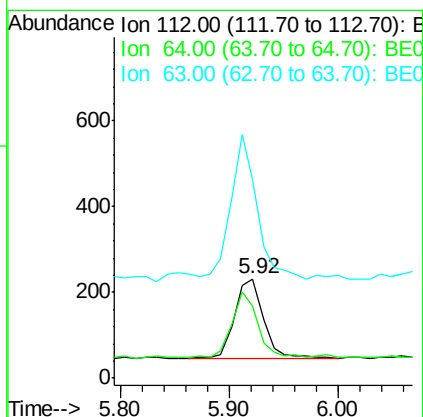
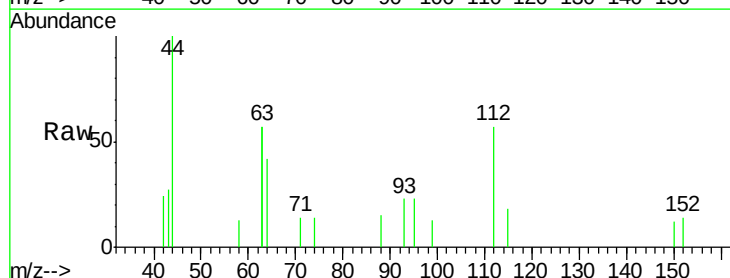
Tot Ion	Ratio	Lower	Upper
42	100		
74	88.1	96.0	144.0#
44	0.0	12.0	18.0#

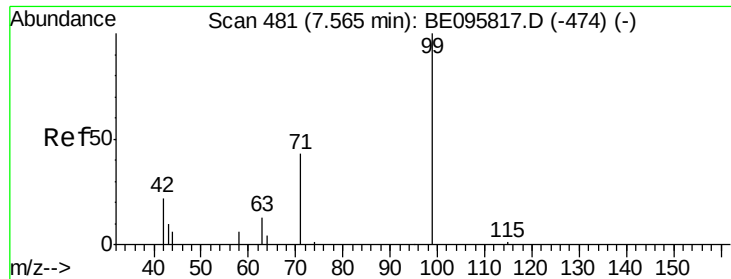


#4

2-Fluorophenol
 Concen: 0.132 ng
 RT: 5.92 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: BE095815.D
 Acq: 23 Mar 2018 8:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	60.1	90.1
63	169.2	116.8	175.2





#5

Phenol-d6

Concen: 0.123 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampled :

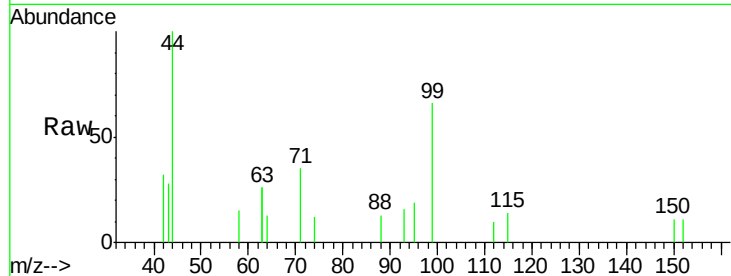
Tot Ion: 99 Resp: 441

Ion Ratio Lower Upper

99 100

42 28.1 20.2 30.2

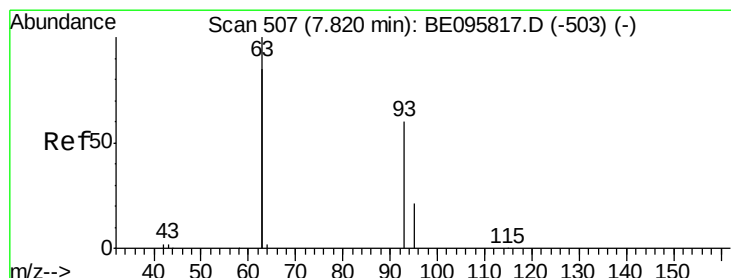
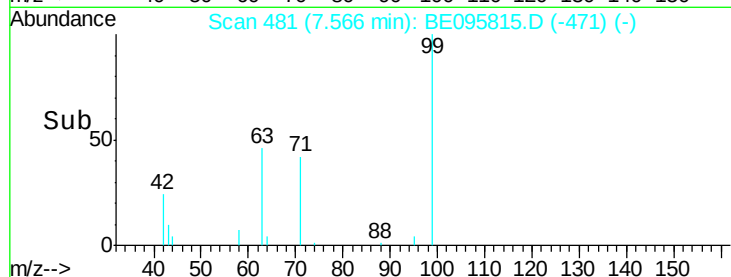
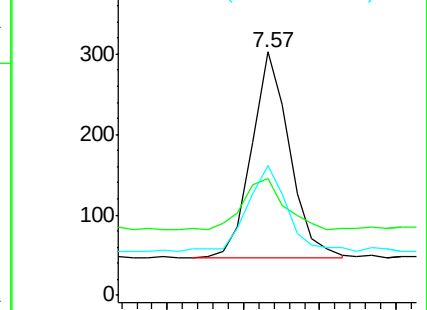
71 44.7 28.4 42.6#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.111 ng

RT: 7.82 min Scan# 507

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

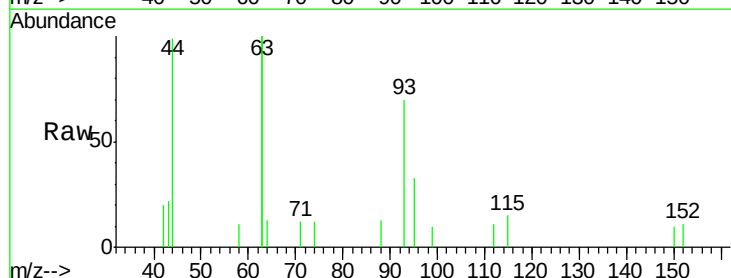
Tgt Ion: 93 Resp: 410

Ion Ratio Lower Upper

93 100

63 316.3 275.3 412.9

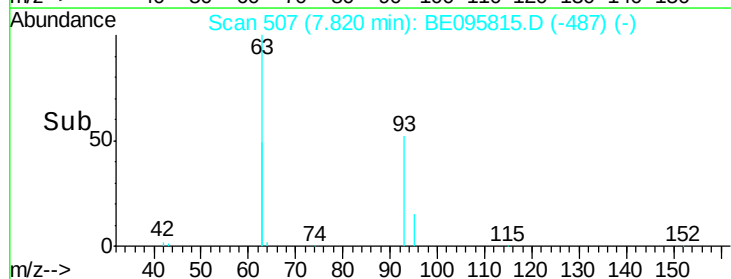
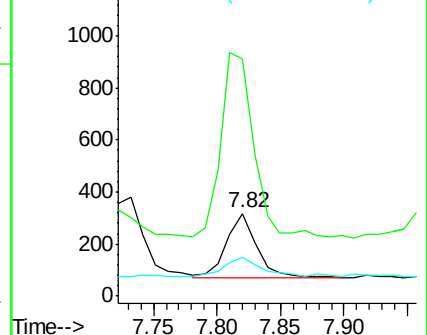
95 39.8 25.2 37.8#

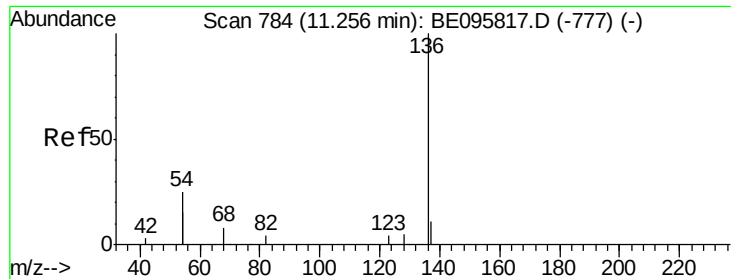


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3818

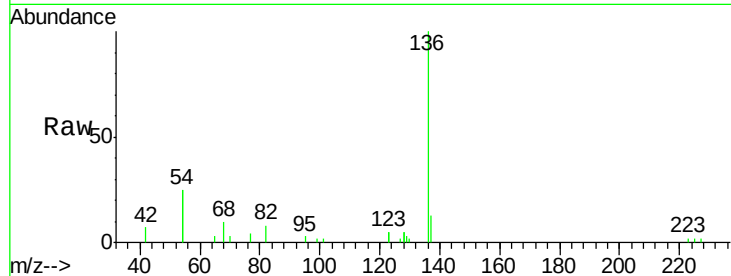
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 49.0 29.1 43.7#

68 10.2 6.2 9.2#

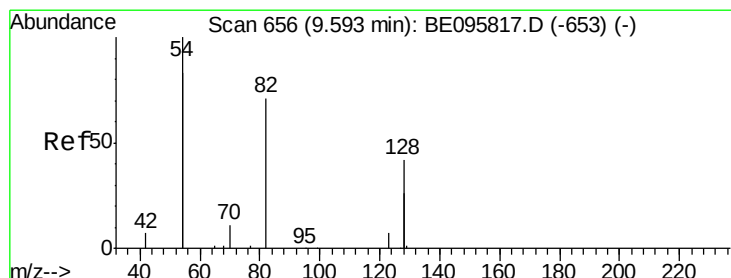
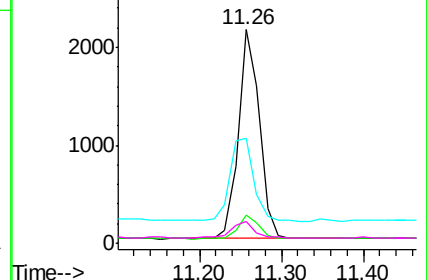
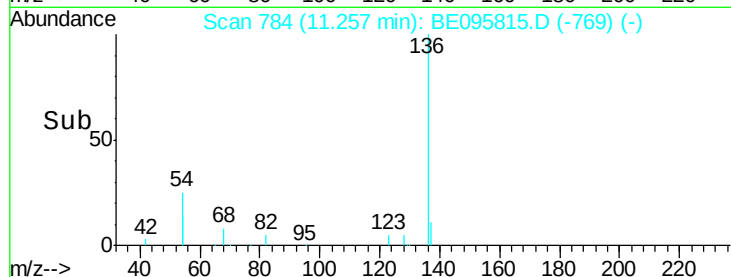


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.115 ng

RT: 9.61 min Scan# 657

Delta R.T. 0.01 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

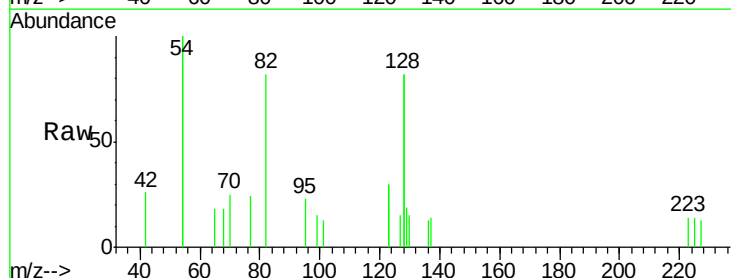
Tgt Ion: 82 Resp: 453

Ion Ratio Lower Upper

82 100

128 199.3 150.0 225.0

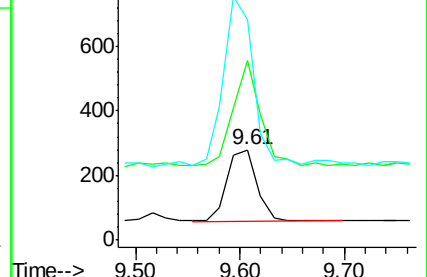
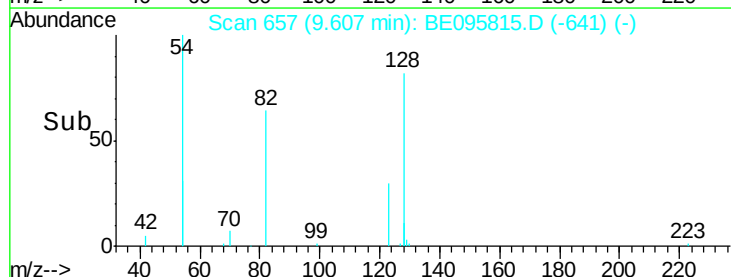
54 243.6 154.2 231.4#

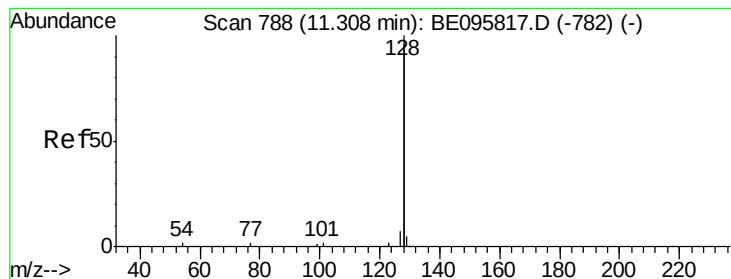


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.102 ng

RT: 11.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

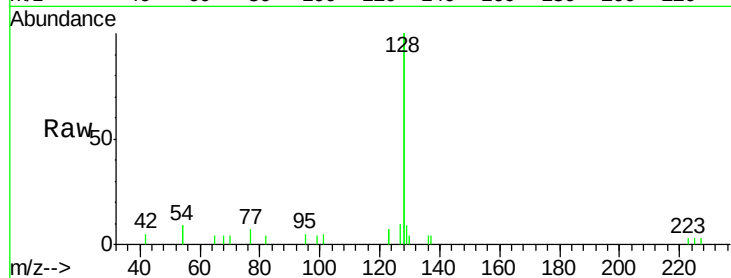
Tot Ion:128 Resp: 4491

Ion Ratio Lower Upper

128 100

129 4.5 2.6 3.8#

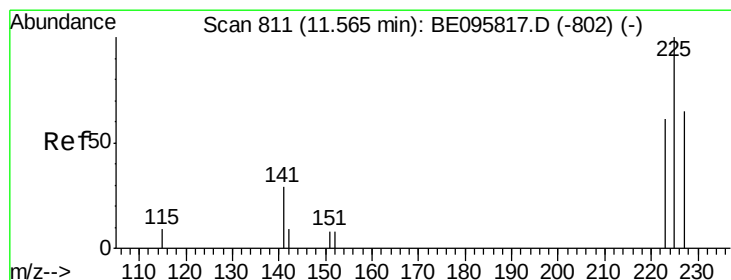
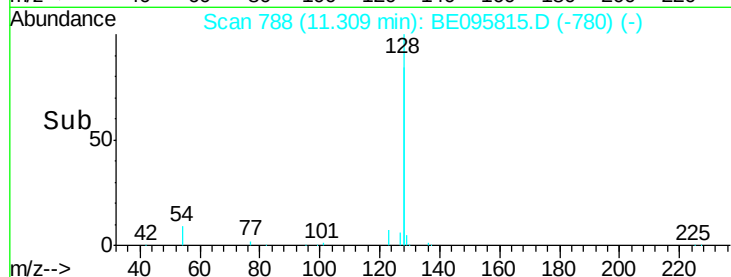
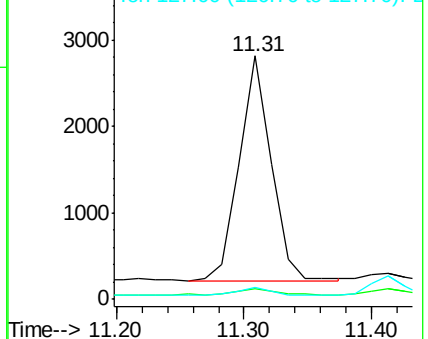
127 4.9 2.8 4.2#



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: 0.120 ng

RT: 11.56 min Scan# 811

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

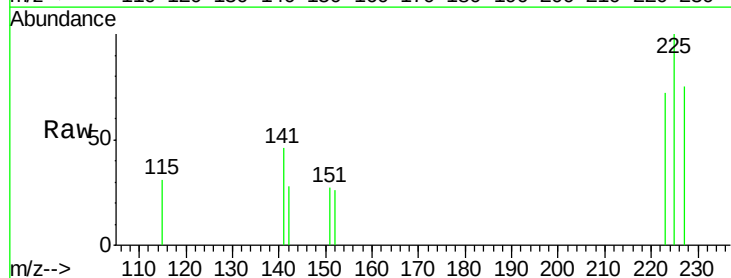
Tgt Ion:225 Resp: 309

Ion Ratio Lower Upper

225 100

223 62.1 53.0 79.6

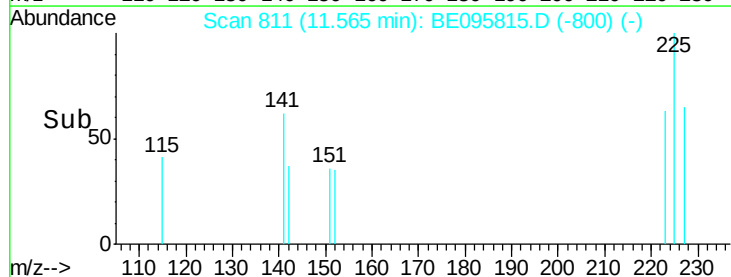
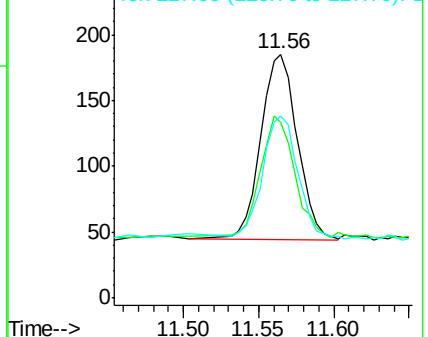
227 66.3 51.4 77.2

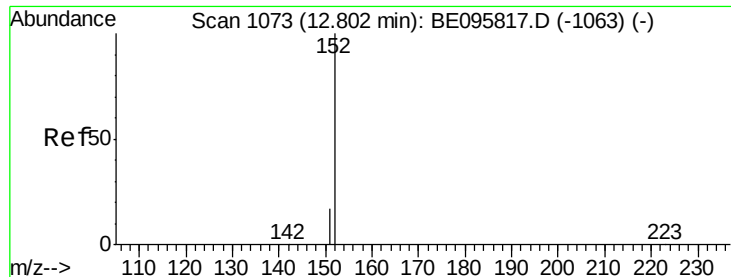


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

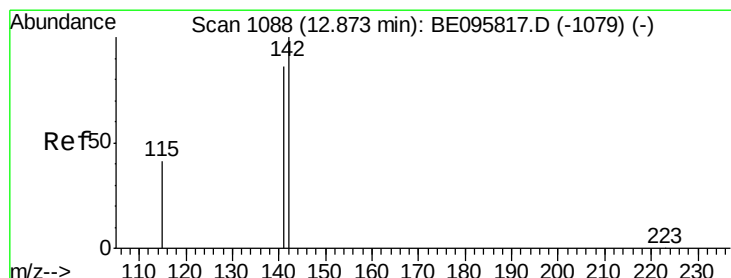
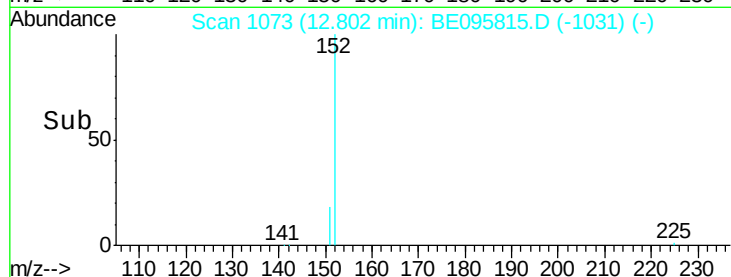
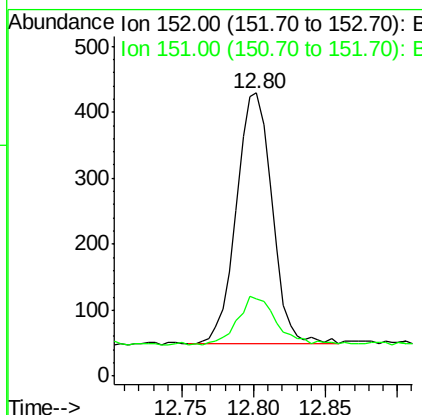
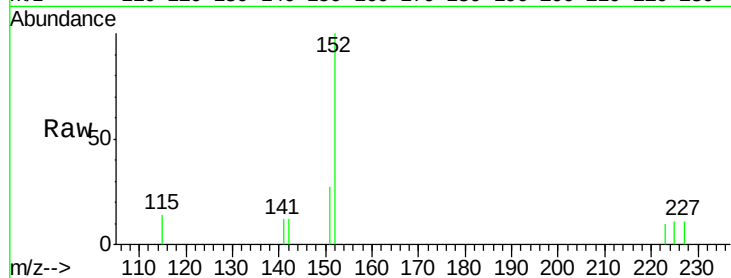




#11
2-Methylnaphthalene-d10
Concen: 0.103 ng
RT: 12.80 min Scan# 1073
Delta R.T. 0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

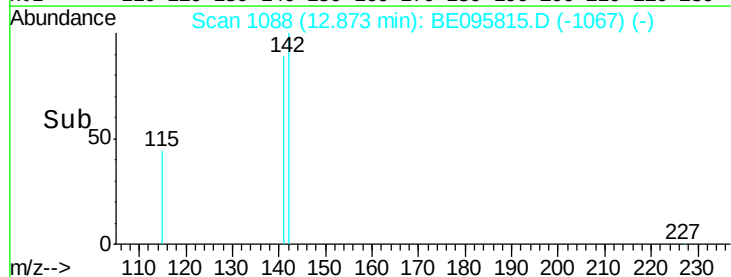
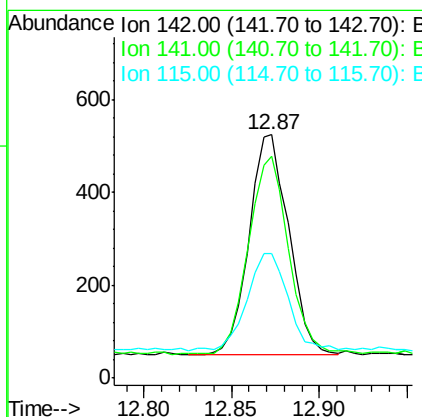
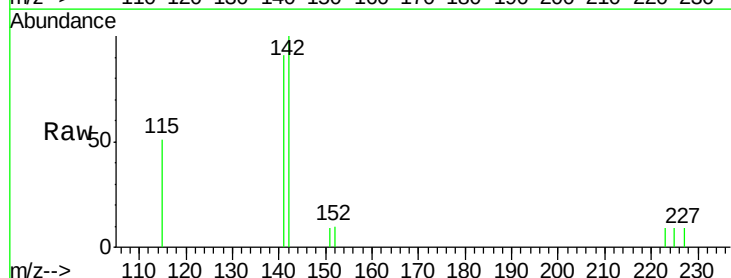
Instrument :
BNA_E
ClientSampleId :

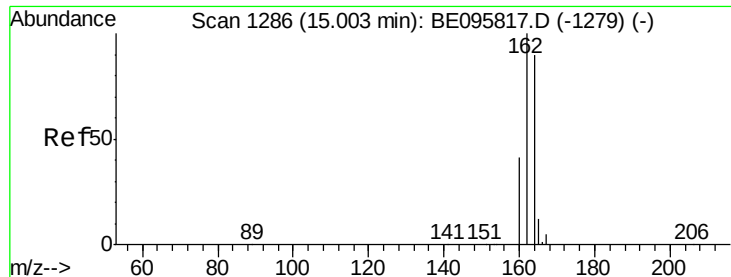
Tot Ion:152 Resp: 657
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.099 ng
RT: 12.87 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

Tgt Ion:142 Resp: 750
Ion Ratio Lower Upper
142 100
141 91.0 70.4 105.6
115 51.3 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

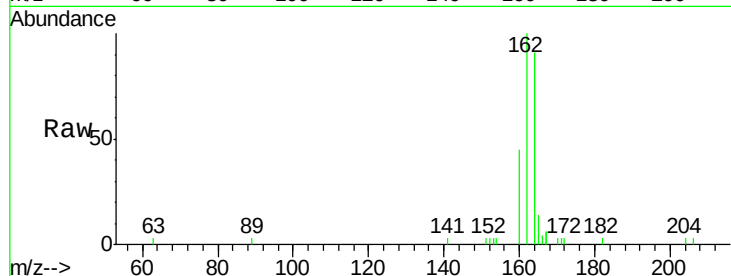
Tot Ion:164 Resp: 2309

Ion Ratio Lower Upper

164 100

162 110.5 83.1 124.7

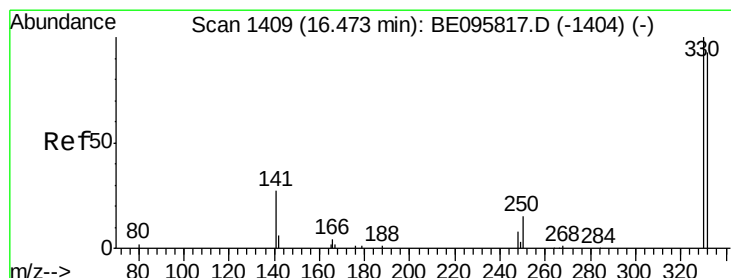
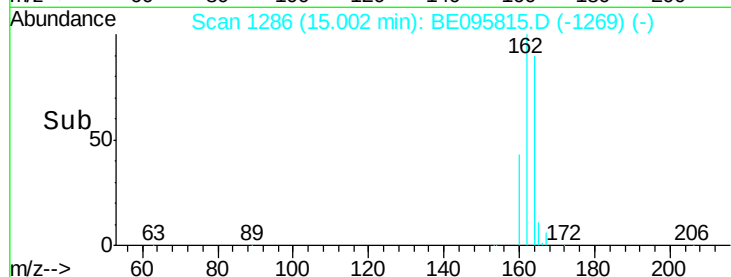
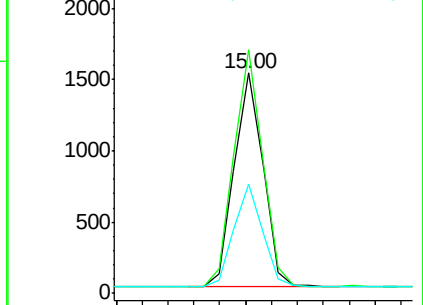
160 49.4 37.1 55.7



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: 0.162 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

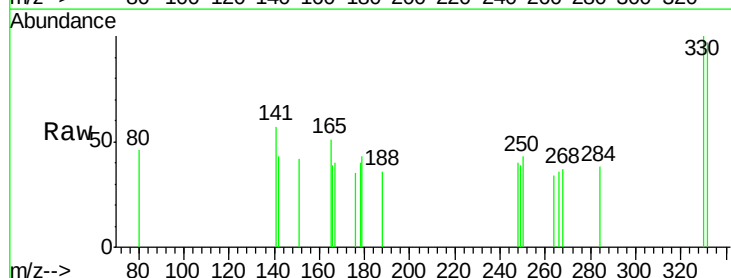
Tgt Ion:330 Resp: 134

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

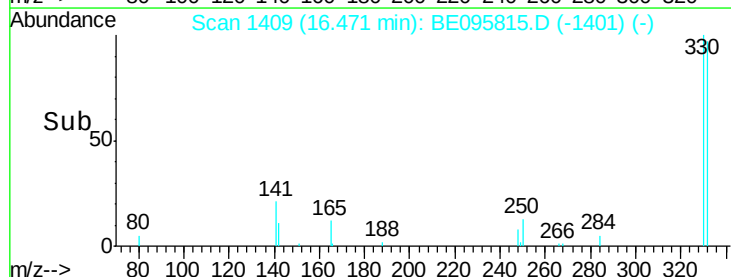
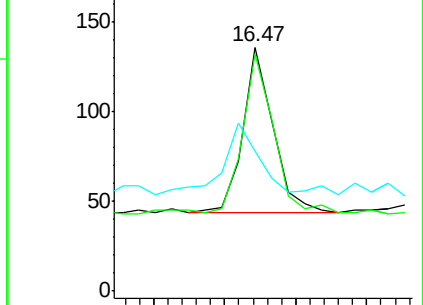
141 52.2 33.7 50.5#

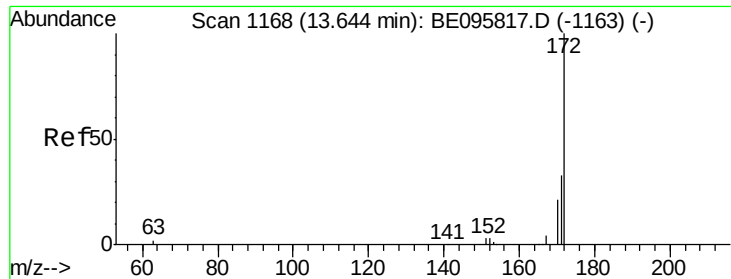


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

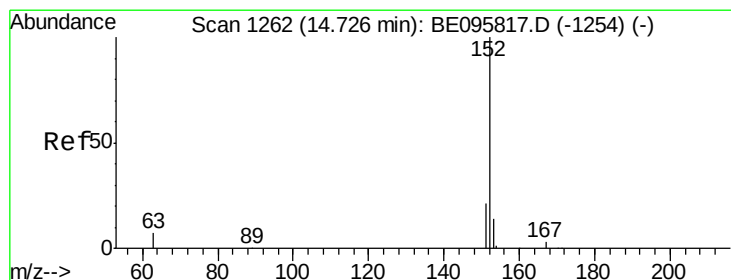
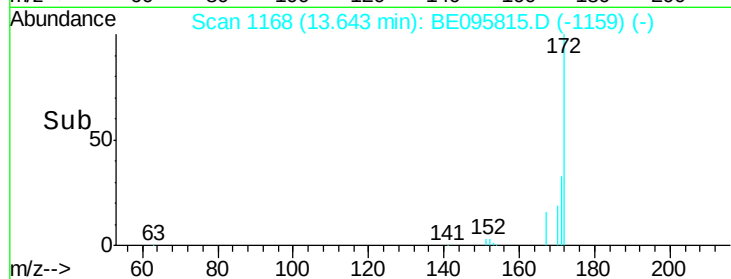
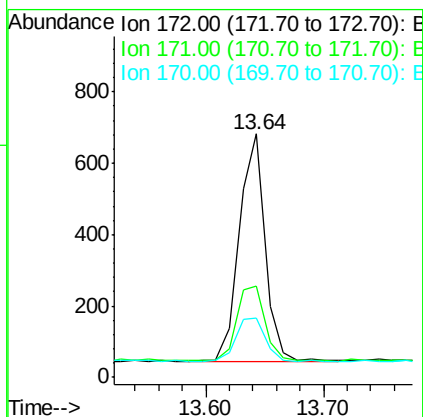
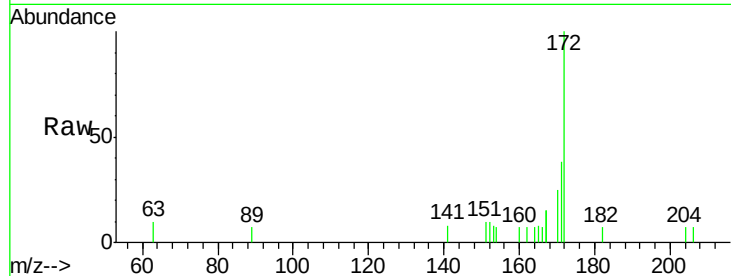




#15
2-Fluorobiphenyl
Concen: 0.094 ng
RT: 13.64 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

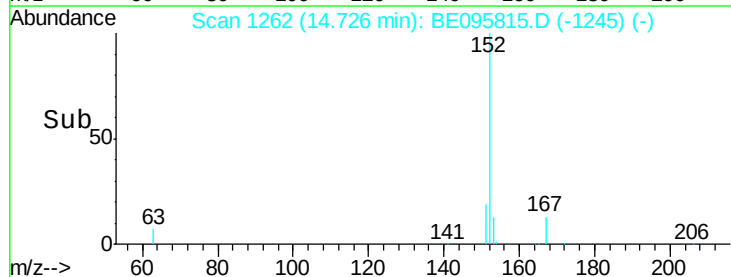
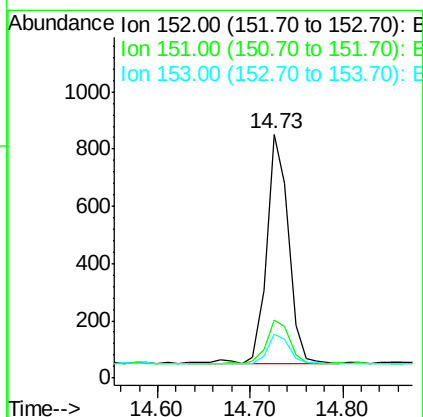
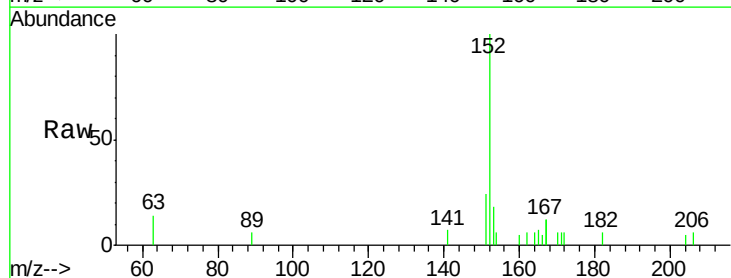
Instrument :
BNA_E
ClientSampleId :

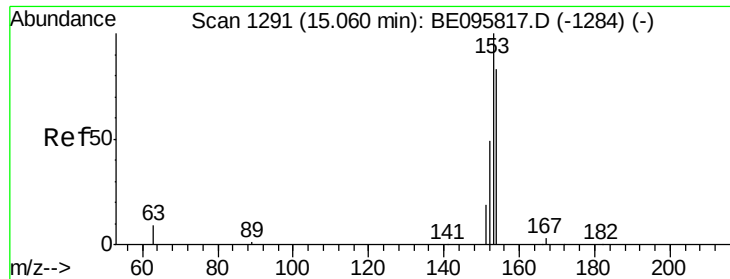
Tot Ion:172 Resp: 967
Ion Ratio Lower Upper
172 100
171 37.7 29.9 44.9
170 24.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.101 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

Tgt Ion:152 Resp: 1308
Ion Ratio Lower Upper
152 100
151 21.3 15.7 23.5
153 12.9 10.5 15.7





#17

Acenaphthene

Concen: 0.096 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

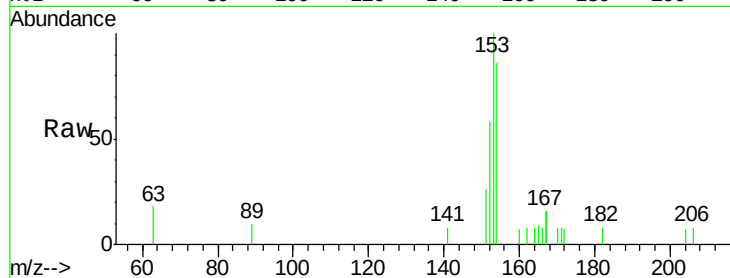
Tot Ion:154 Resp: 785

Ion Ratio Lower Upper

154 100

153 115.5 89.2 133.8

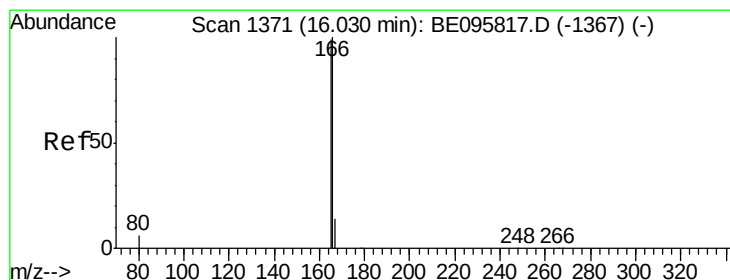
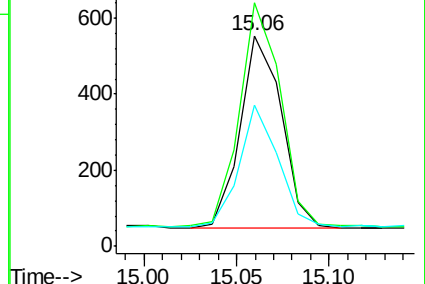
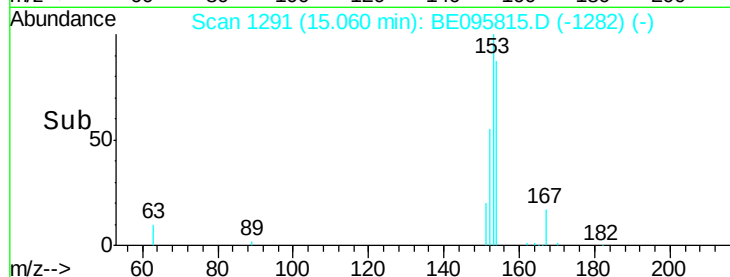
152 62.0 42.0 63.0



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: 0.105 ng

RT: 16.03 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

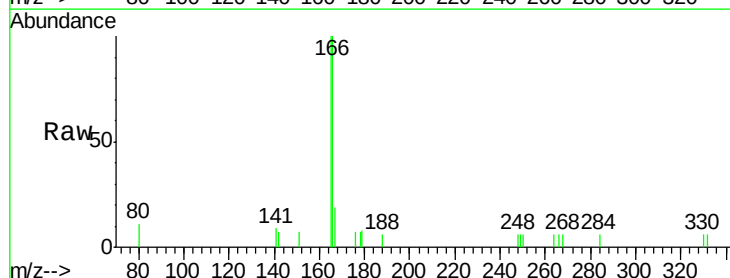
Tgt Ion:166 Resp: 1062

Ion Ratio Lower Upper

166 100

165 95.5 77.8 116.6

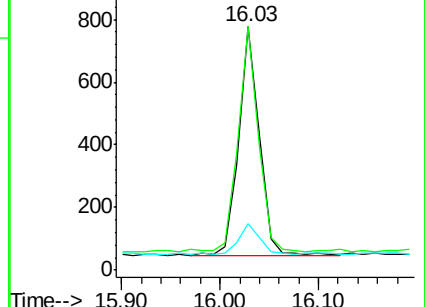
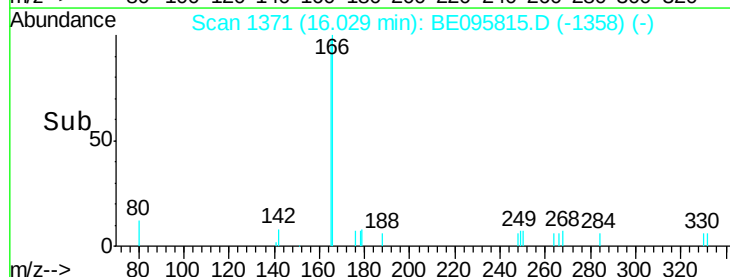
167 15.1 42.4 63.6#

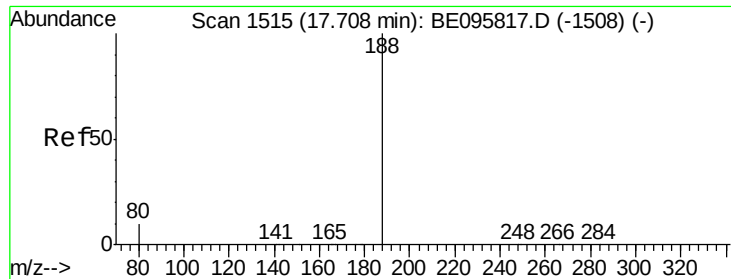


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.71 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

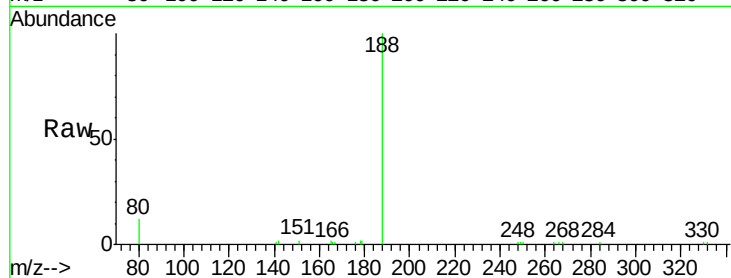
Tot Ion:188 Resp: 5876

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

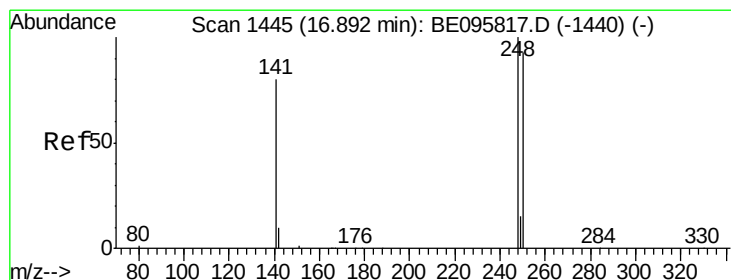
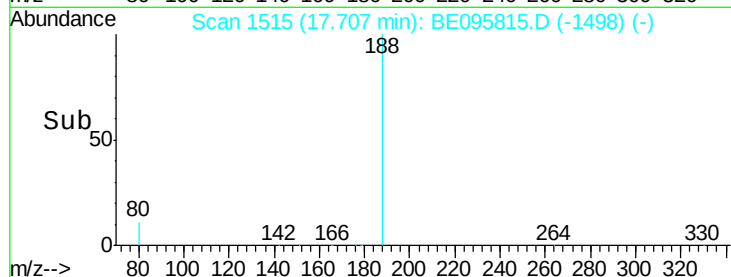
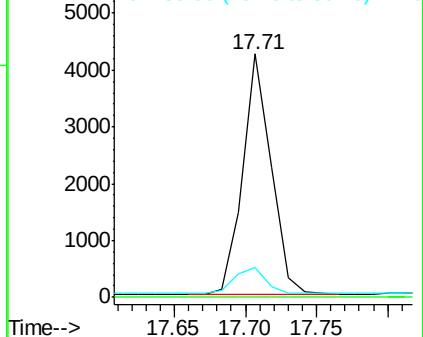
80 12.1 3.6 5.4#



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: 0.094 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

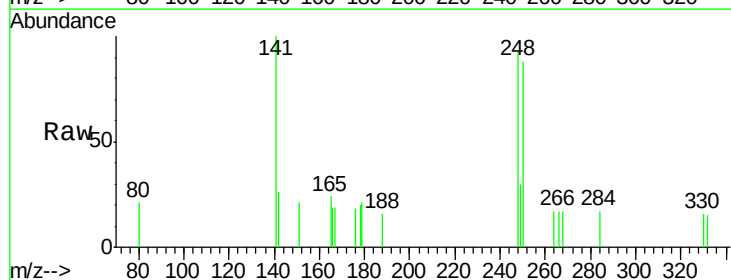
Tgt Ion:248 Resp: 348

Ion Ratio Lower Upper

248 100

250 94.7 62.7 94.1#

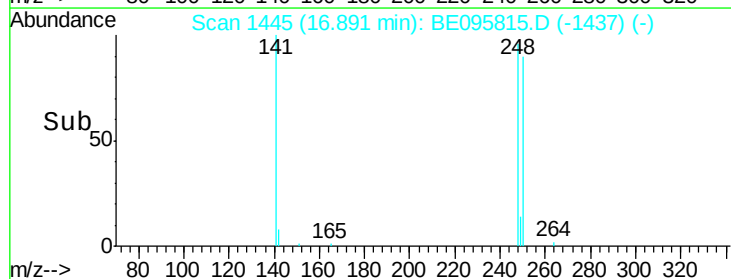
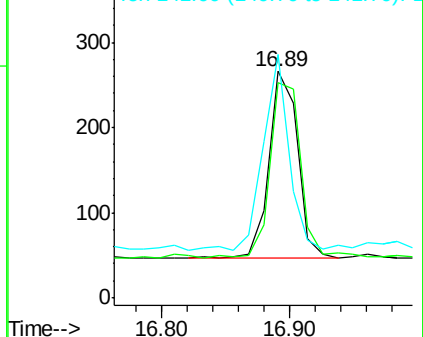
141 107.5 48.2 72.2#

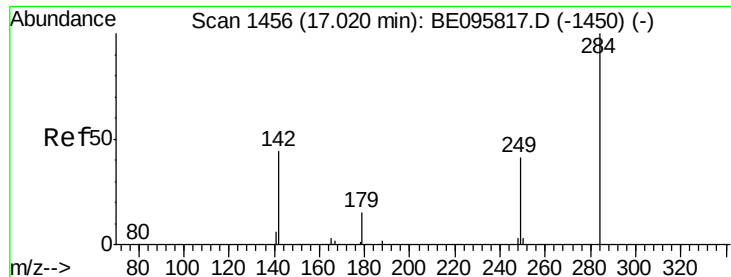


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

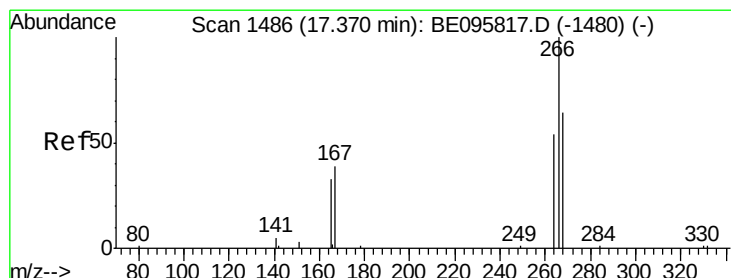
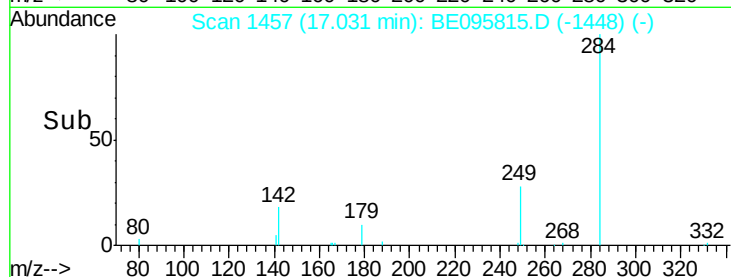
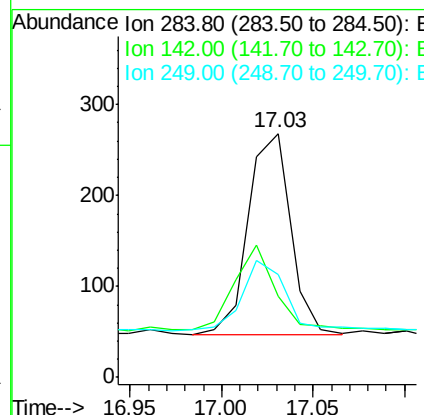
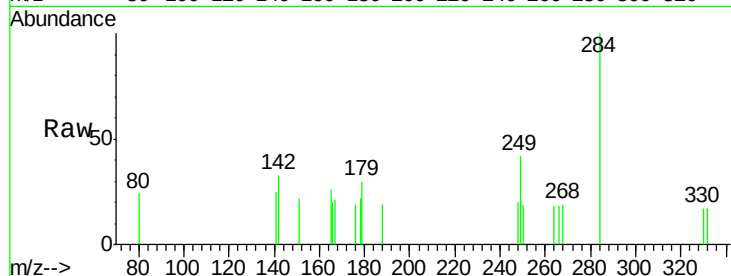




#21
Hexachlorobenzene
Concen: 0.093 ng
RT: 17.03 min Scan# 1457
Delta R.T. 0.01 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

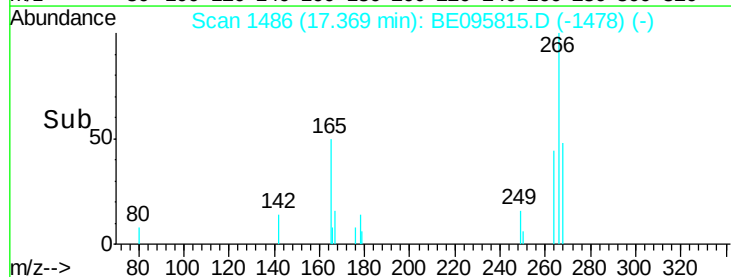
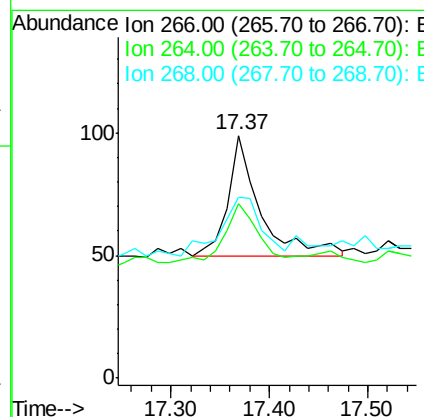
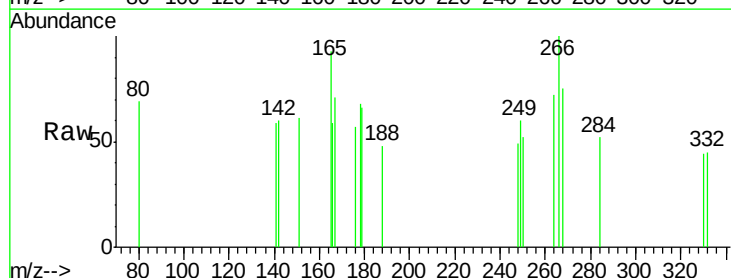
Instrument :
BNA_E
ClientSampleId :

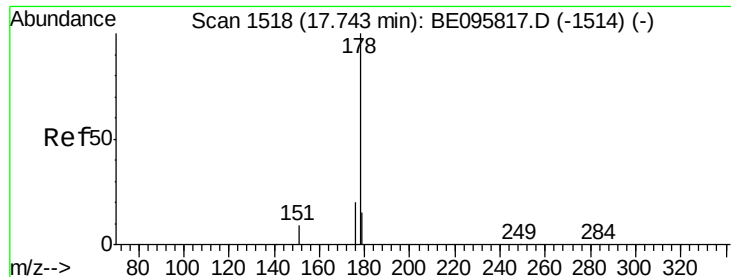
Tot Ion:284 Resp: 356
Ion Ratio Lower Upper
284 100
142 41.0 22.1 33.1#
249 37.4 34.8 52.2



#22
Pentachlorophenol
Concen: 0.125 ng
RT: 17.37 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

Tgt Ion:266 Resp: 110
Ion Ratio Lower Upper
266 100
264 71.7 72.5 108.7#
268 74.7 73.8 110.6





#23

Phenanthrene

Concen: 0.095 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

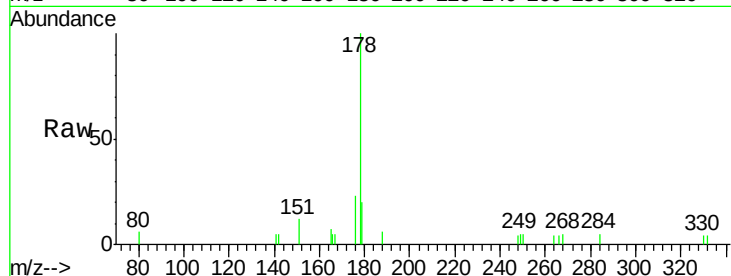
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 1744

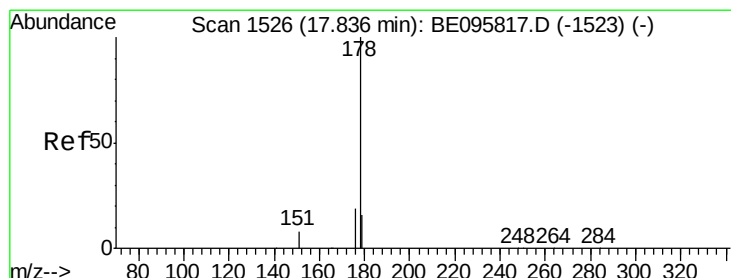
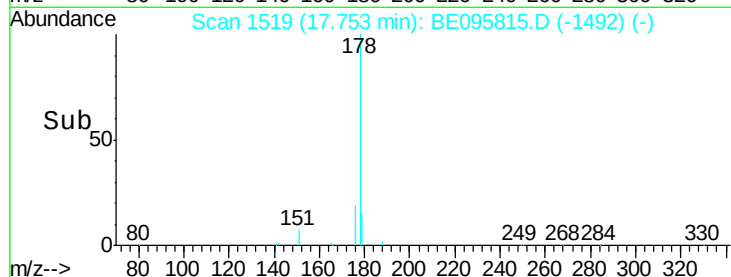
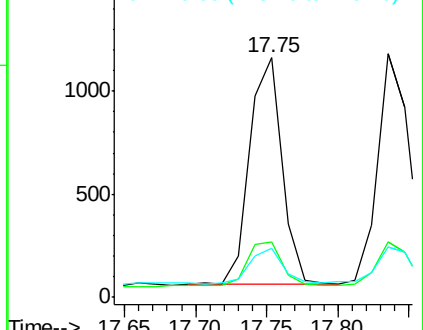
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.1	22.7
179	15.6	11.8	17.6



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

Anthracene

Concen: 0.103 ng

RT: 17.83 min Scan# 1526

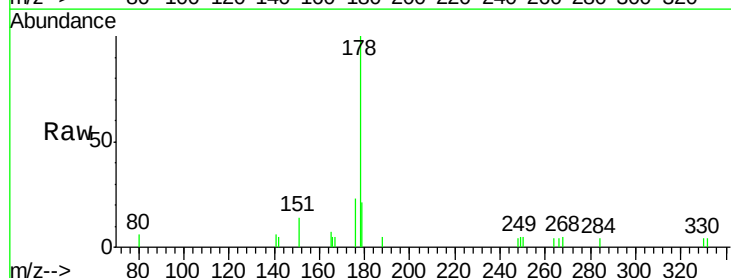
Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Tgt Ion:178 Resp: 1740

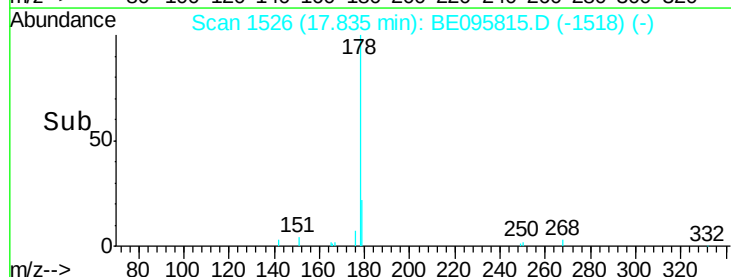
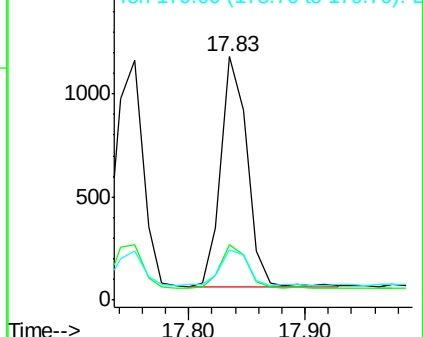
Ion	Ratio	Lower	Upper
178	100		
176	19.3	12.8	19.2#
179	18.1	13.0	19.6

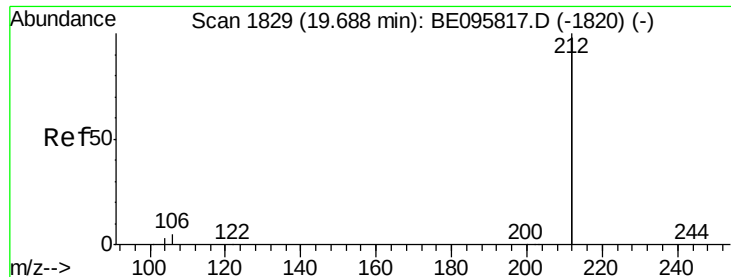


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.116 ng

RT: 19.69 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

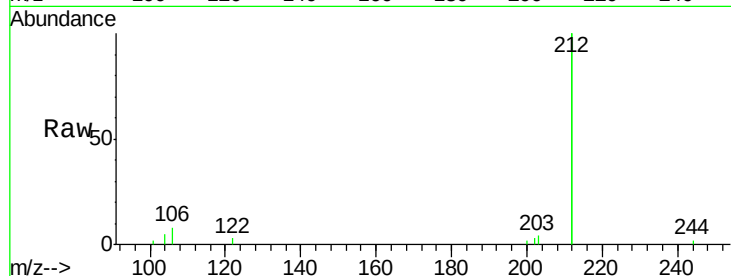
Tot Ion:212 Resp: 8877

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

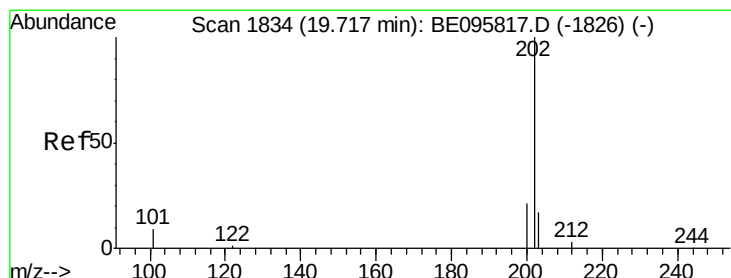
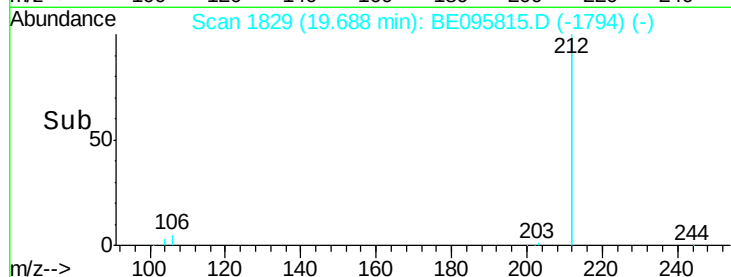
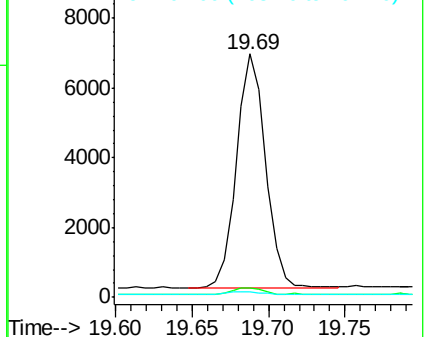
104 1.7 1.6 2.4



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: 0.109 ng

RT: 19.72 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

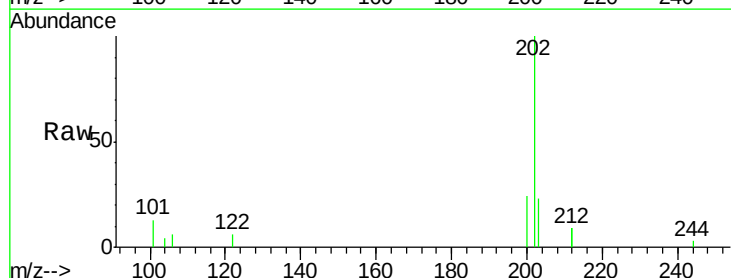
Tgt Ion:202 Resp: 2455

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

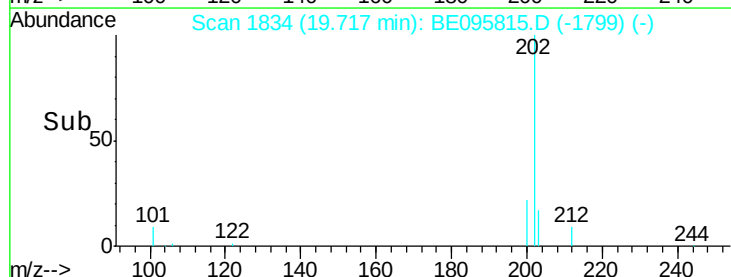
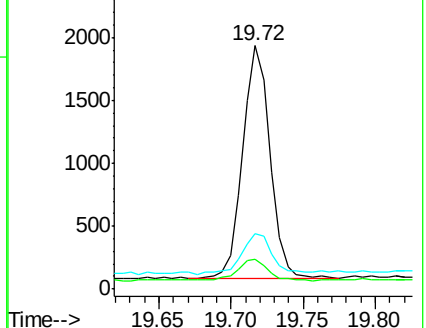
203 19.3 13.7 20.5

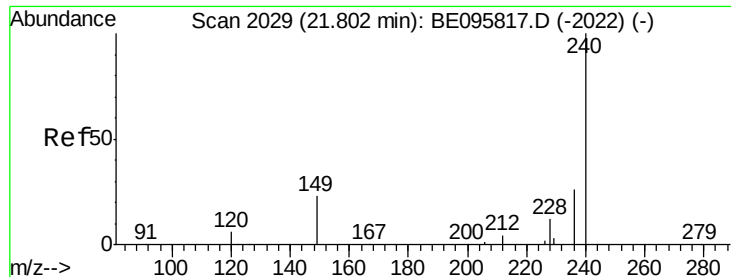


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.80 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

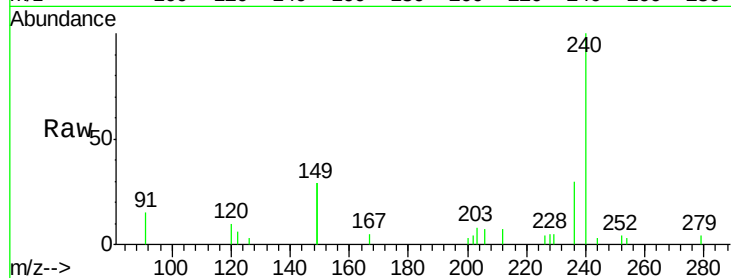
Tot Ion:240 Resp: 6988

Ion Ratio Lower Upper

240 100

120 10.4 5.5 8.3#

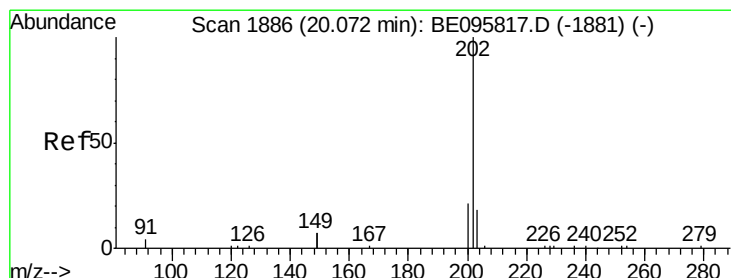
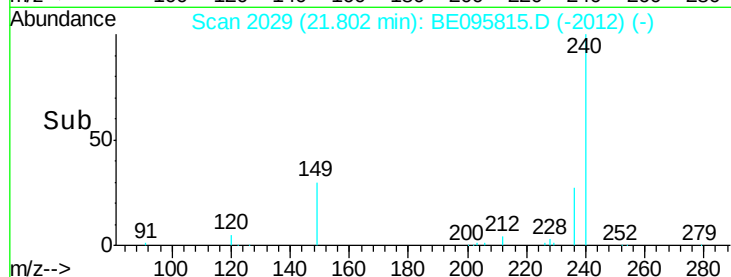
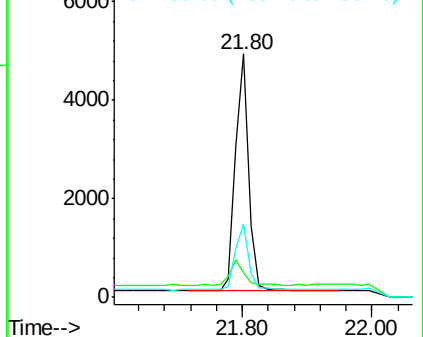
236 29.9 20.7 31.1



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: 0.092 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

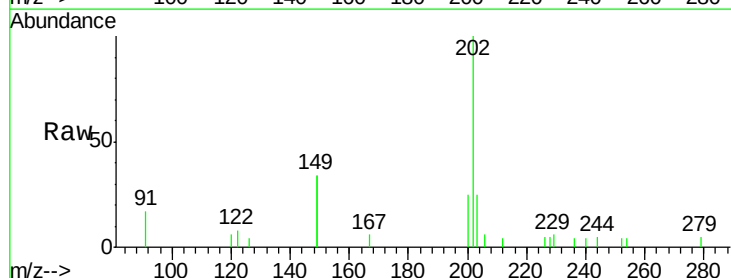
Tgt Ion:202 Resp: 2641

Ion Ratio Lower Upper

202 100

200 26.6 16.6 25.0#

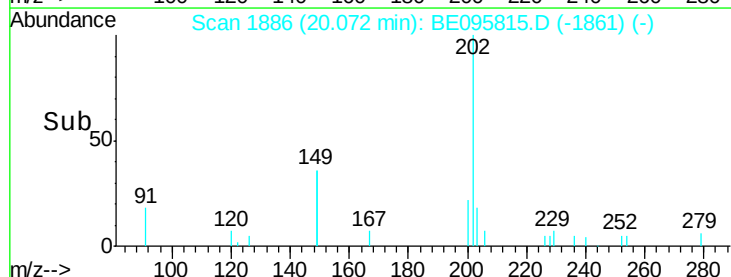
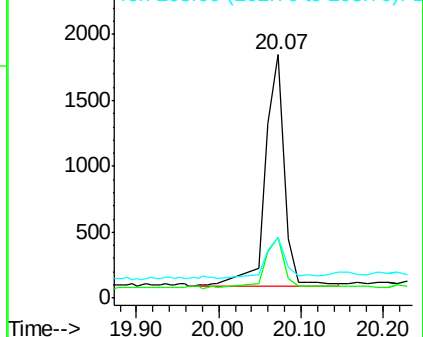
203 27.5 13.8 20.8#

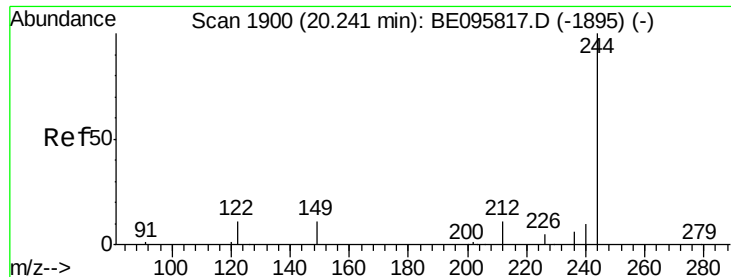


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.109 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampled :

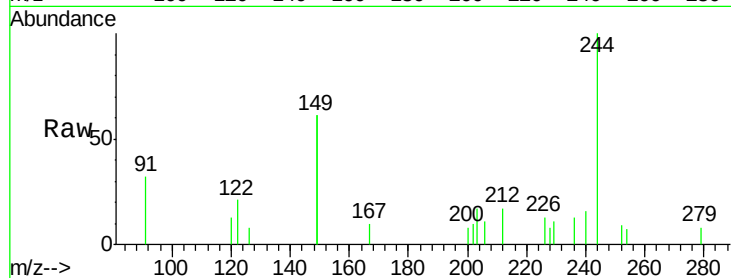
Tot Ion:244 Resp: 1519

Ion Ratio Lower Upper

244 100

212 17.1 25.4 38.0#

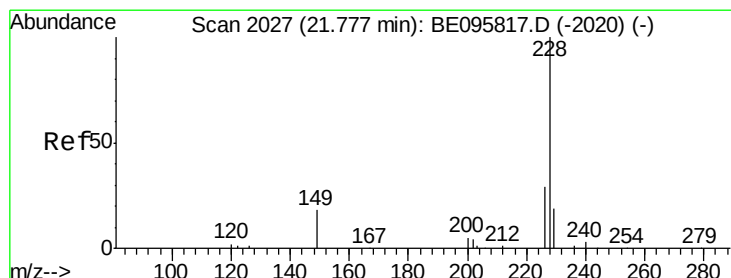
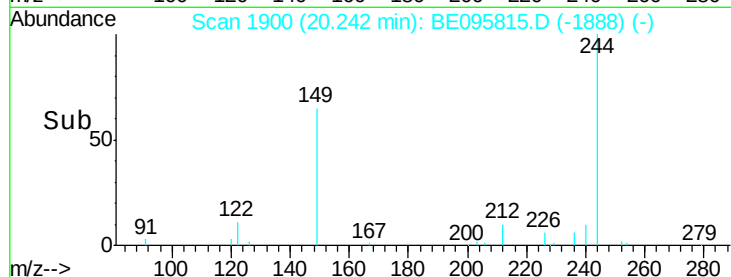
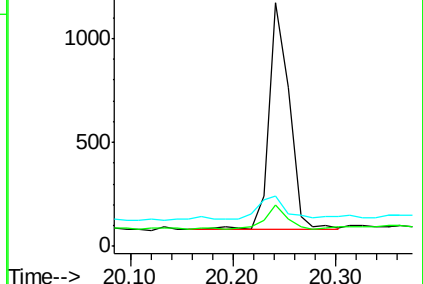
122 20.8 8.1 12.1#



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: 0.105 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

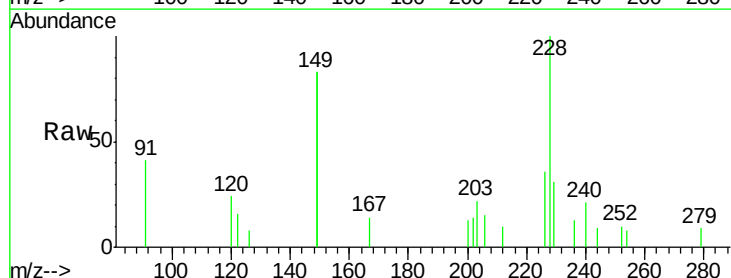
Tgt Ion:228 Resp: 2389

Ion Ratio Lower Upper

228 100

226 35.6 24.0 36.0

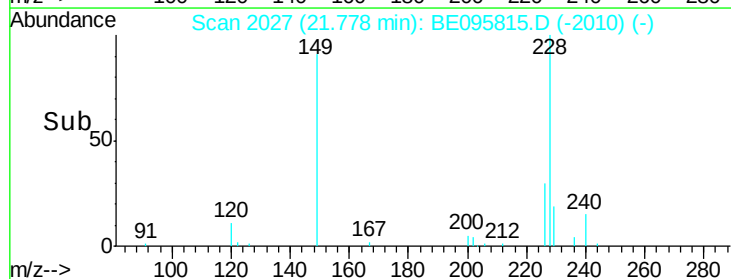
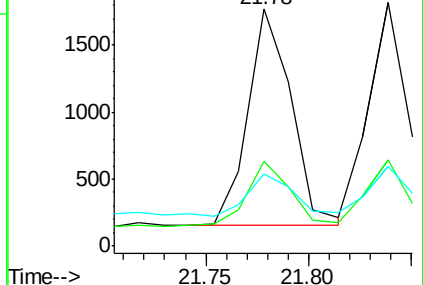
229 30.6 16.0 24.0#

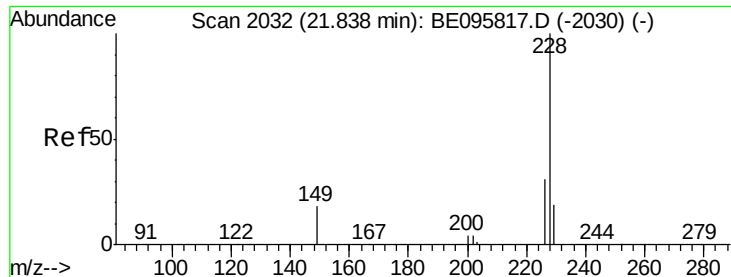


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.099 ng

RT: 21.84 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampled :

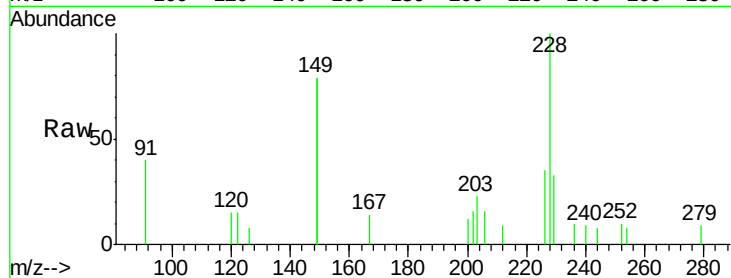
Tot Ion:228 Resp: 2236

Ion Ratio Lower Upper

228 100

226 35.3 24.0 36.0

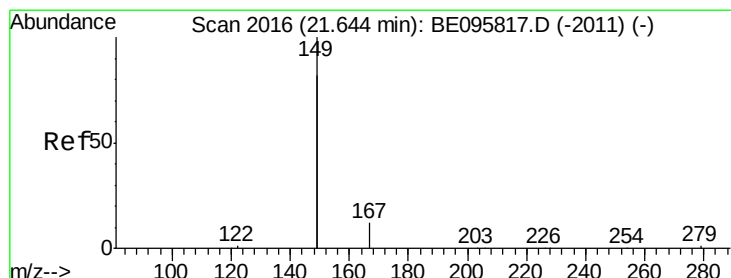
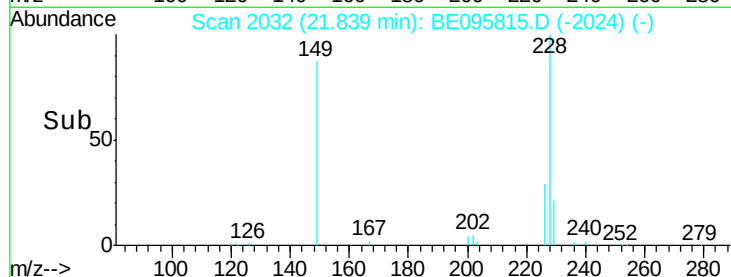
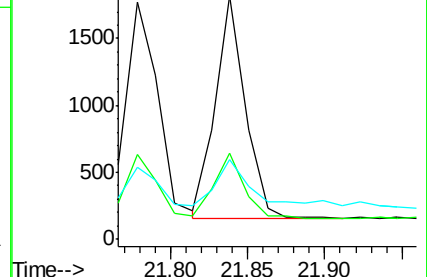
229 32.5 16.0 24.0#



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: 0.228 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

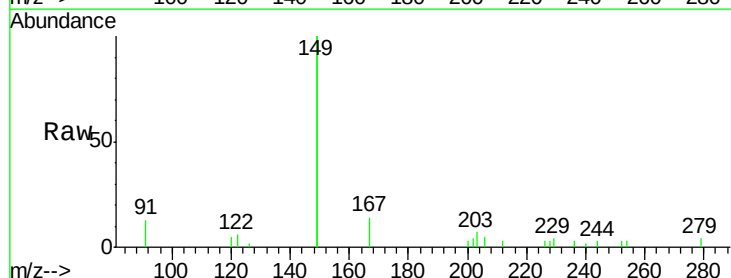
Tgt Ion:149 Resp: 9208

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

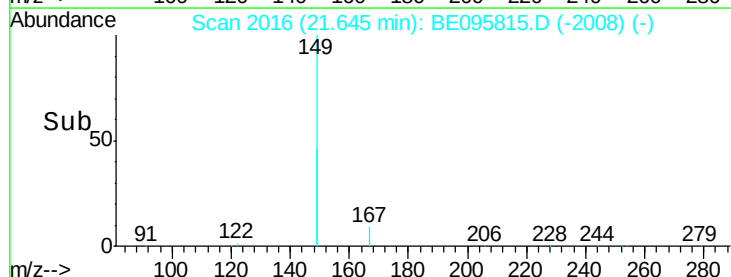
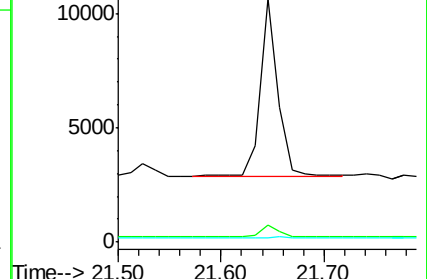
279 1.7 0.7 1.1#

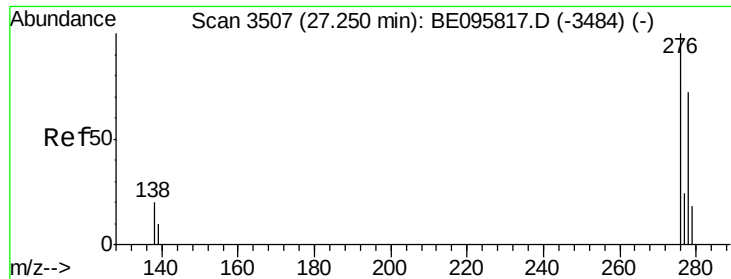


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.107 ng

RT: 27.25 min Scan# 3508

Delta R.T. 0.00 min

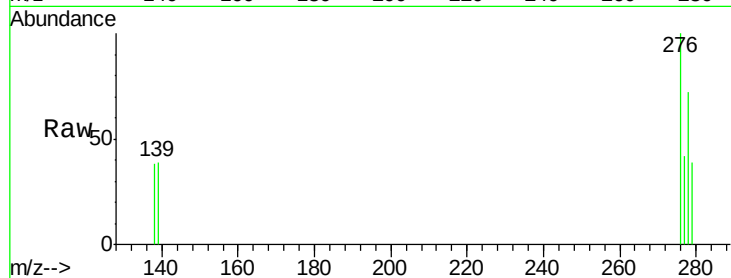
Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :



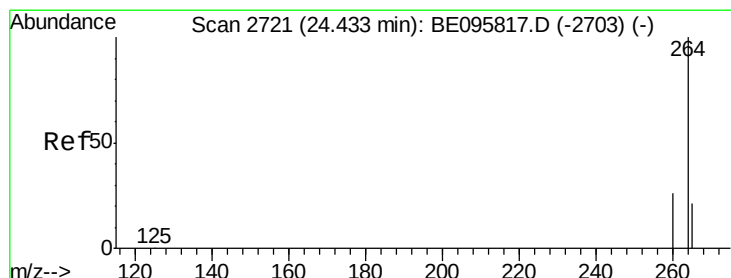
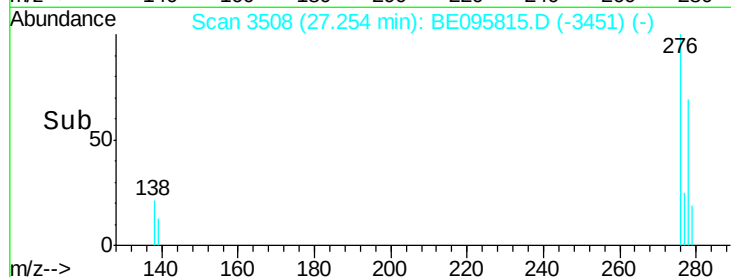
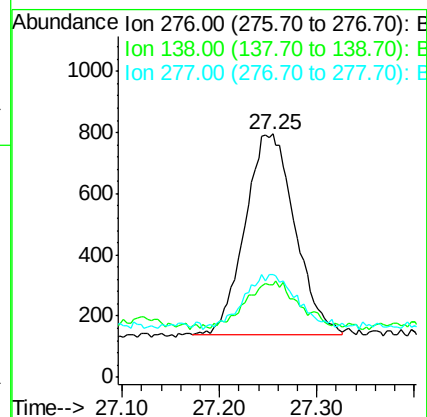
Tot Ion:276 Resp: 2350

Ion Ratio Lower Upper

276 100

138 24.4 22.5 33.7

277 29.2 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.44 min Scan# 2722

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

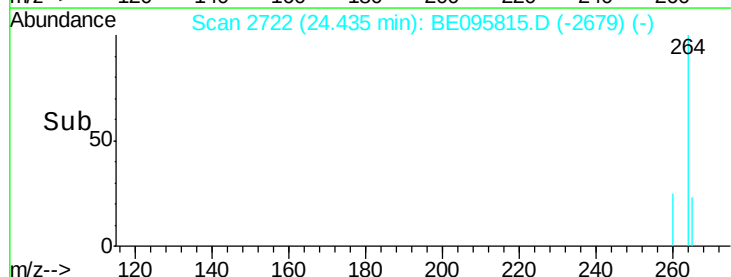
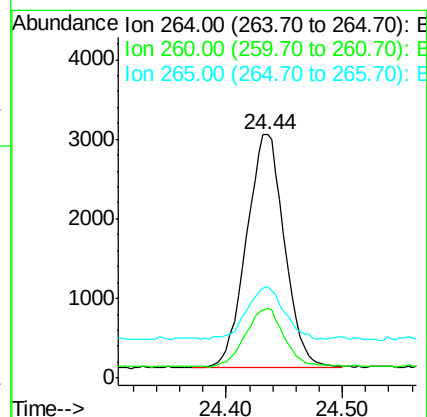
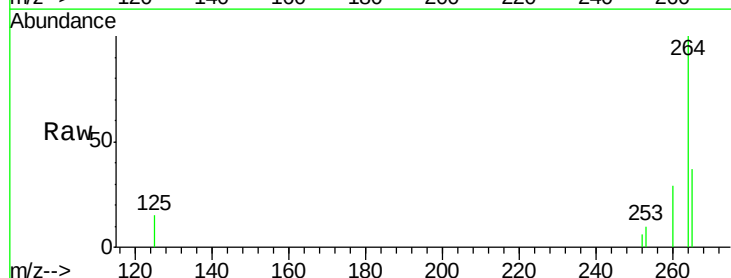
Tgt Ion:264 Resp: 6674

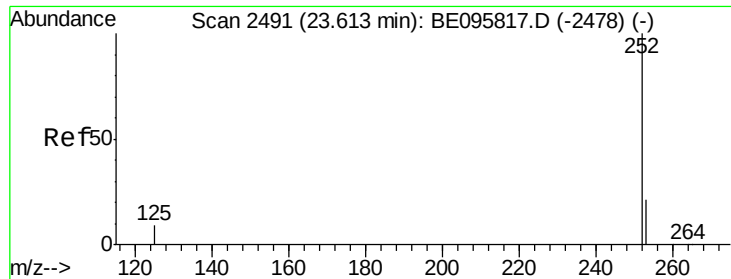
Ion Ratio Lower Upper

264 100

260 28.7 20.5 30.7

265 37.4 22.8 34.2#

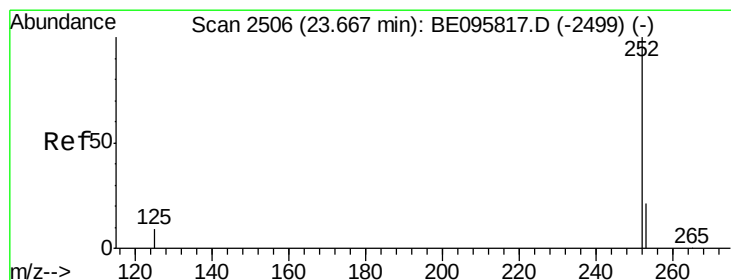
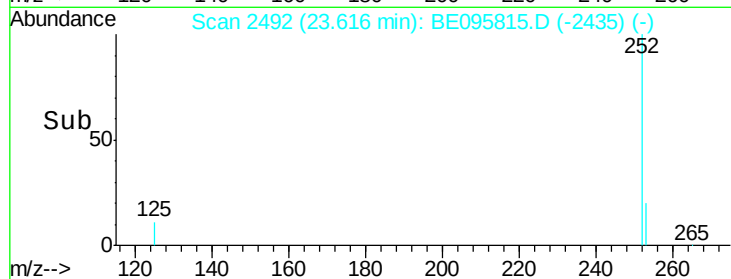
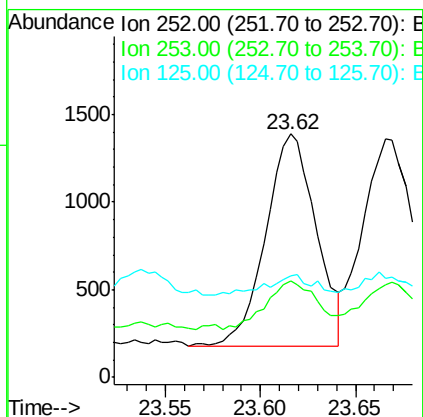
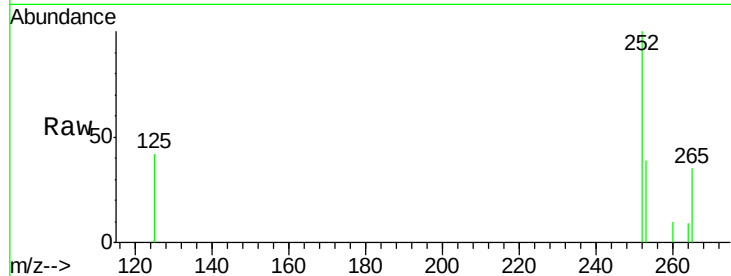




#35
Benzo(b)fluoranthene
Concen: 0.095 ng
RT: 23.62 min Scan# 2492
Delta R.T. 0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

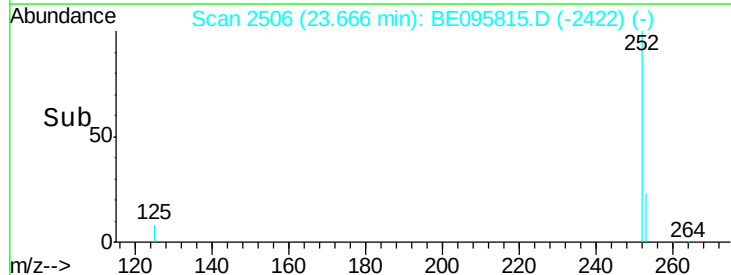
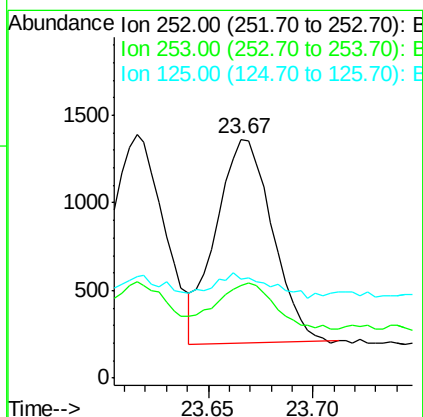
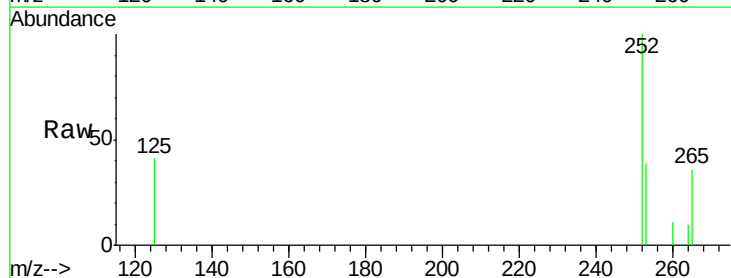
Instrument :
BNA_E
ClientSampleId :

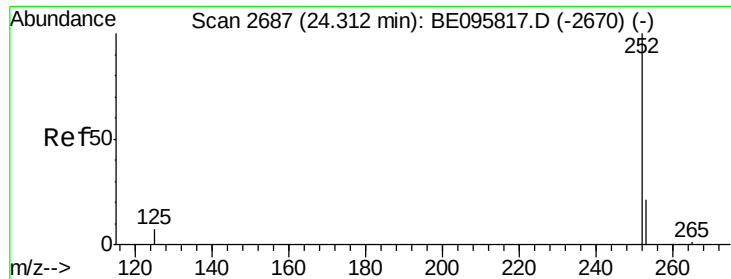
Tot Ion:252 Resp: 2250
Ion Ratio Lower Upper
252 100
253 39.4 20.0 30.0#
125 41.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.092 ng
RT: 23.67 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BE095815.D
Acq: 23 Mar 2018 8:46

Tgt Ion:252 Resp: 2172
Ion Ratio Lower Upper
252 100
253 38.9 16.0 24.0#
125 41.3 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.096 ng

RT: 24.31 min Scan# 2688

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :

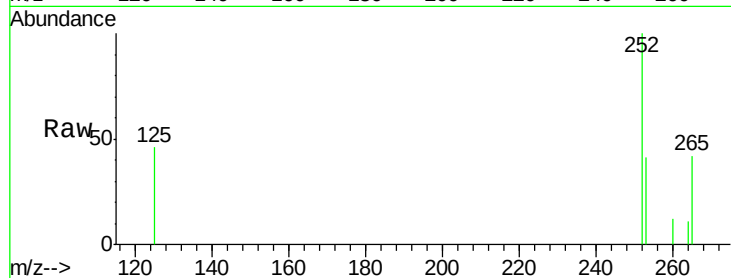
Tot Ion:252 Resp: 2047

Ion Ratio Lower Upper

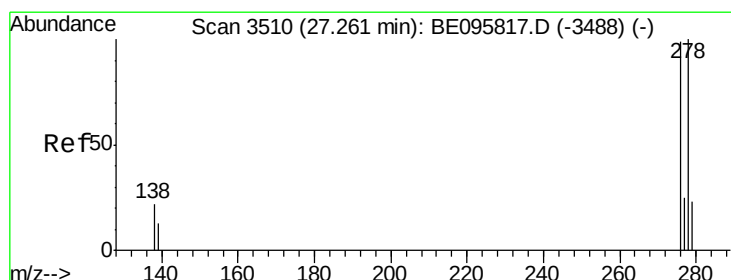
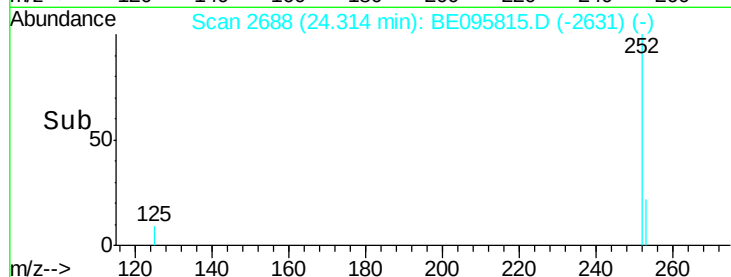
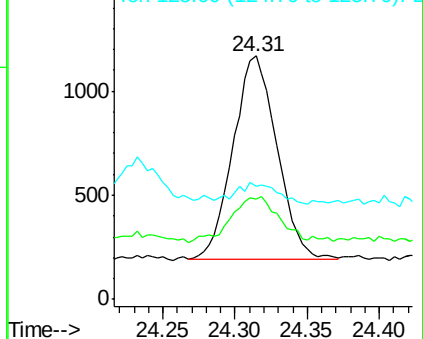
252 100

253 41.0 16.0 24.0#

125 46.3 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: 0.101 ng

RT: 27.27 min Scan# 3511

Delta R.T. 0.00 min

Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

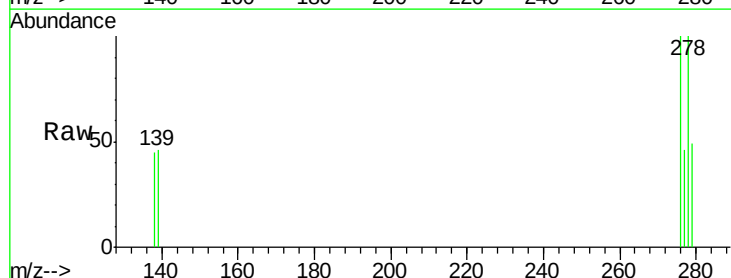
Tgt Ion:278 Resp: 1931

Ion Ratio Lower Upper

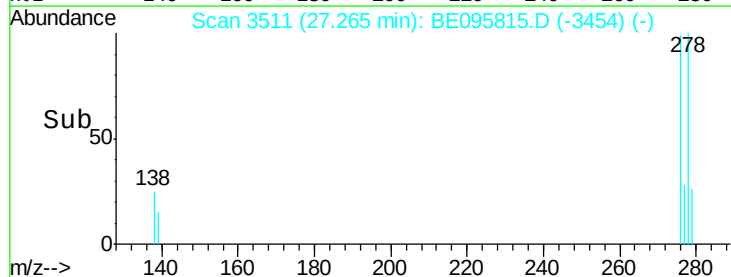
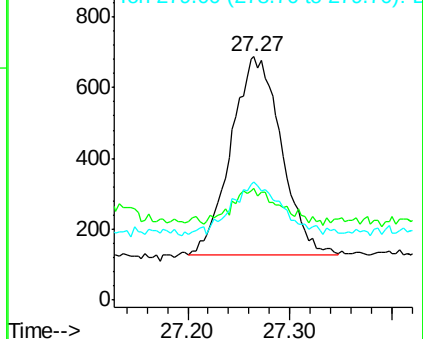
278 100

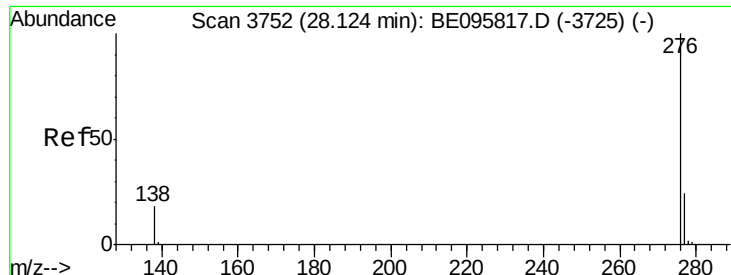
139 45.6 16.0 24.0#

279 48.7 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: 0.098 ng

RT: 28.13 min Scan# 3753

Delta R.T. 0.00 min

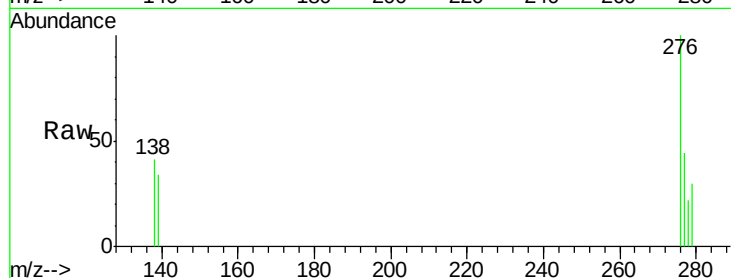
Lab File: BE095815.D

Acq: 23 Mar 2018 8:46

Instrument :

BNA_E

ClientSampleId :



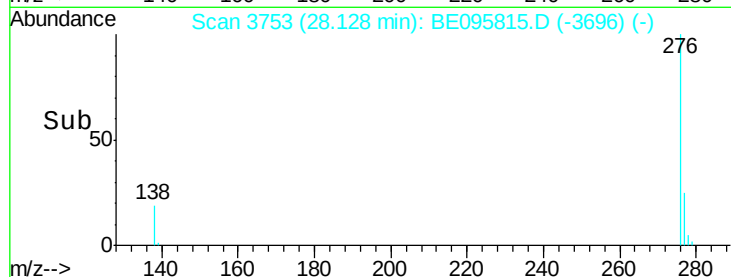
Tot Ion: 276 Resp: 2009

Ion Ratio Lower Upper

276 100

277 44.3 16.0 24.0#

138 40.5 20.0 30.0#



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

