

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095740.D
 Acq On : 12 Mar 2018 22:20
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 13 13:12:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1613	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	6514	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3739	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	8362	0.40	ng	0.00
27) Chrysene-d12	21.80	240	8354	0.40	ng	0.00
34) Perylene-d12	24.43	264	7731	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	1580	0.37	ng	0.00
5) Phenol-d6	7.56	99	2404	0.41	ng	0.00
8) Nitrobenzene-d5	9.61	82	2474	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	4016	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	520	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	5967	0.36	ng	0.00
25) Fluoranthene-d10	19.69	212	38075	0.35	ng	0.00
29) Terphenyl-d14	20.24	244	6254	0.38	ng	-0.01

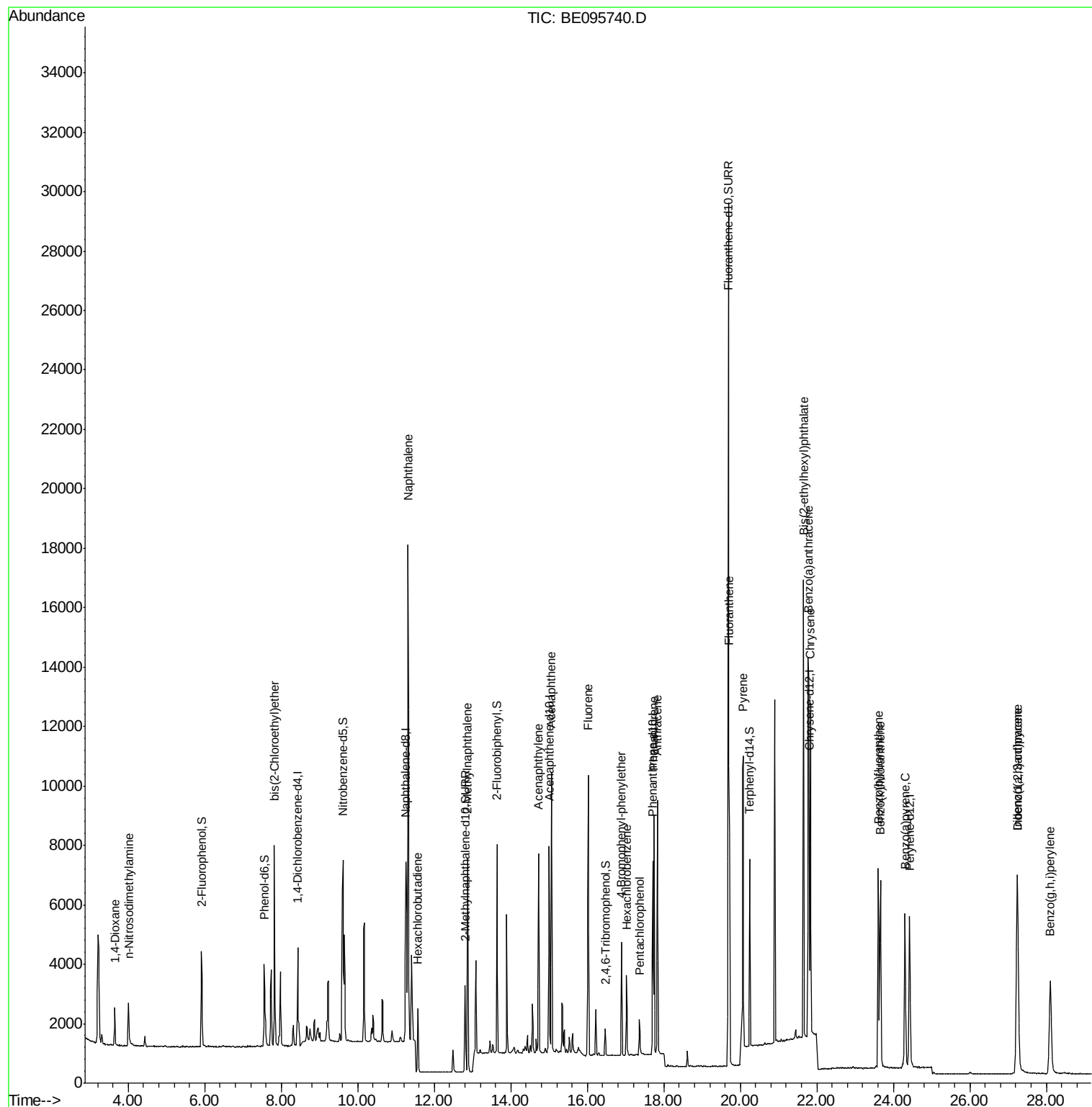
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	839	0.330	ng	# 87
3) n-Nitrosodimethylamine	4.00	42	1232	0.391	ng	# 79
6) bis(2-Chloroethyl)ether	7.82	93	2216	0.366	ng	94
9) Naphthalene	11.31	128	27163	0.362	ng	99
10) Hexachlorobutadiene	11.57	225	1914	0.437	ng	97
12) 2-Methylnaphthalene	12.87	142	4706	0.363	ng	96
16) Acenaphthylene	14.73	152	7542	0.359	ng	99
17) Acenaphthene	15.06	154	4815	0.365	ng	96
18) Fluorene	16.03	166	5890	0.360	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1855	0.353	ng	# 74
21) Hexachlorobenzene	17.02	284	1913	0.352	ng	# 82
22) Pentachlorophenol	17.36	266	678	0.518	ng	# 75
23) Phenanthrene	17.74	178	9212	0.352	ng	98
24) Anthracene	17.84	178	8628	0.360	ng	95
26) Fluoranthene	19.71	202	11200	0.348	ng	97
28) Pyrene	20.07	202	12069	0.353	ng	95
30) Benzo(a)anthracene	21.78	228	10361	0.380	ng	98
31) Chrysene	21.84	228	9660	0.356	ng	99
32) Bis(2-ethylhexyl)phthalate	21.66	149	19143	0.397	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	10084	0.384	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	9651	0.350	ng	# 90
36) Benzo(k)fluoranthene	23.66	252	9665	0.353	ng	95
37) Benzo(a)pyrene	24.30	252	8935	0.360	ng	93
38) Dibenzo(a,h)anthracene	27.24	278	8248	0.373	ng	97
39) Benzo(g,h,i)perylene	28.10	276	8432	0.356	ng	# 92

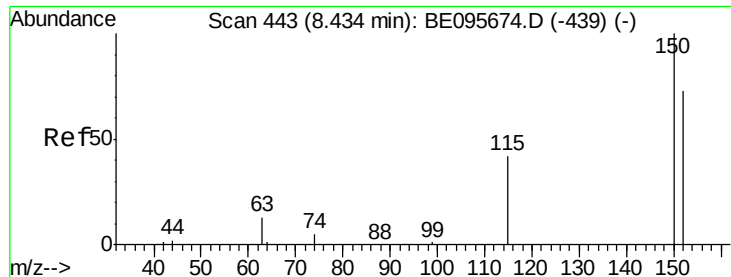
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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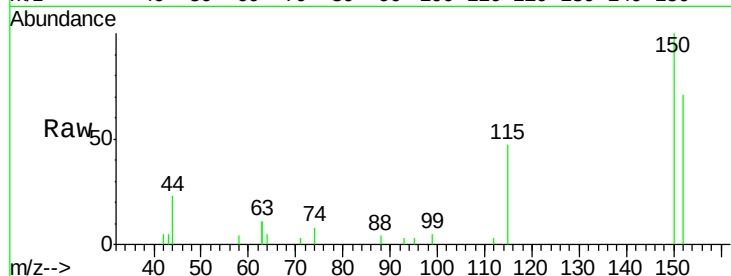


#1

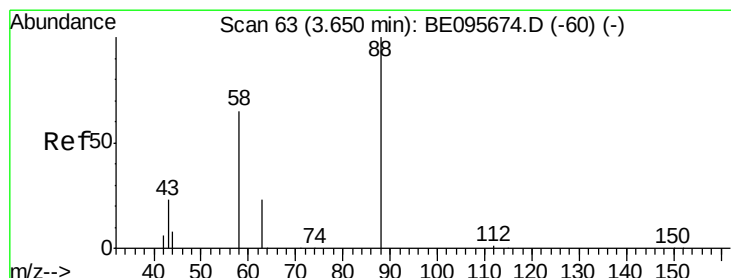
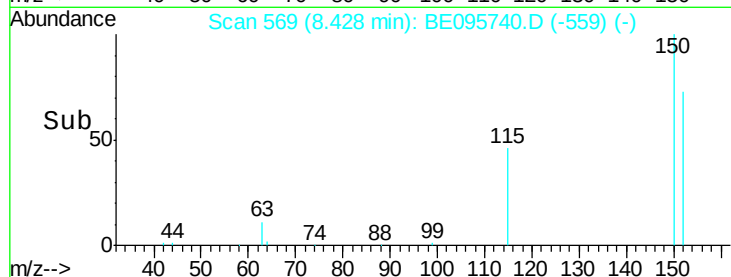
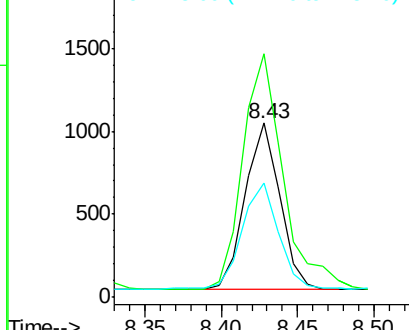
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095740.D
Acq: 12 Mar 2018 22:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1613
Ion Ratio Lower Upper
152 100
150 139.9 117.2 175.8
115 65.5 57.0 85.6



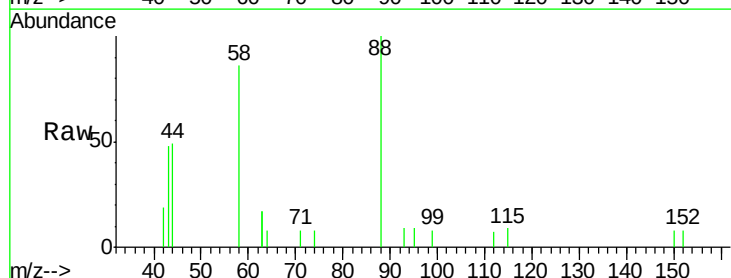
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



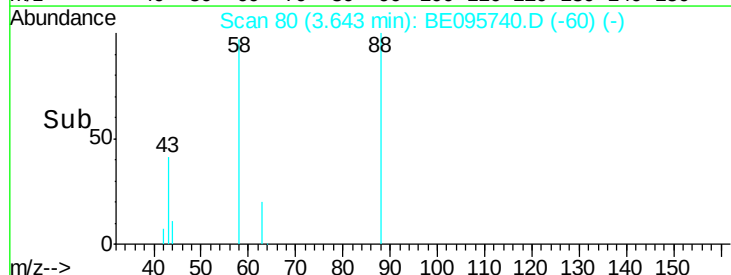
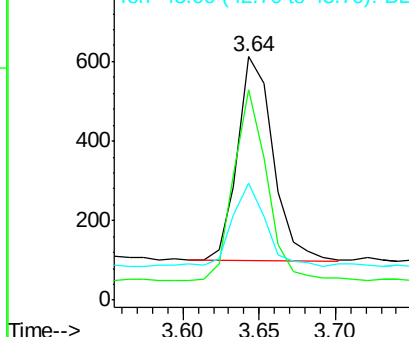
#2

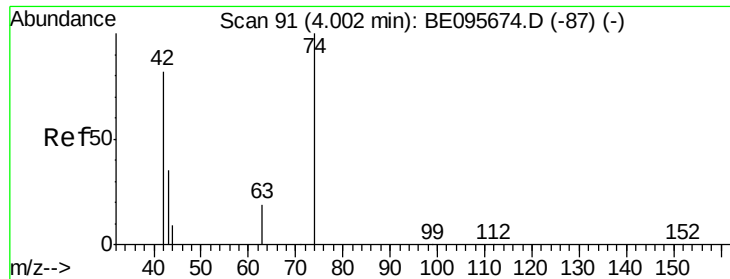
1,4-Dioxane
Concen: 0.330 ng
RT: 3.64 min Scan# 80
Delta R.T. -0.01 min
Lab File: BE095740.D
Acq: 12 Mar 2018 22:20

Tgt Ion: 88 Resp: 839
Ion Ratio Lower Upper
88 100
58 87.1 63.2 94.8
43 38.7 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



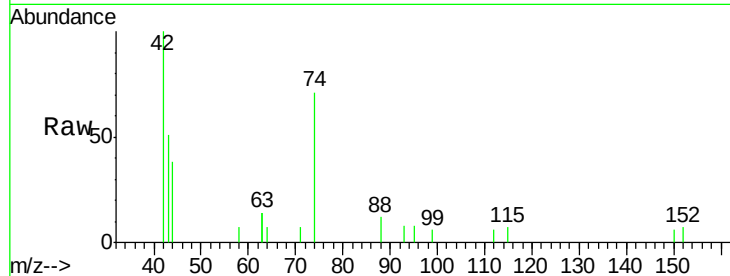


#3

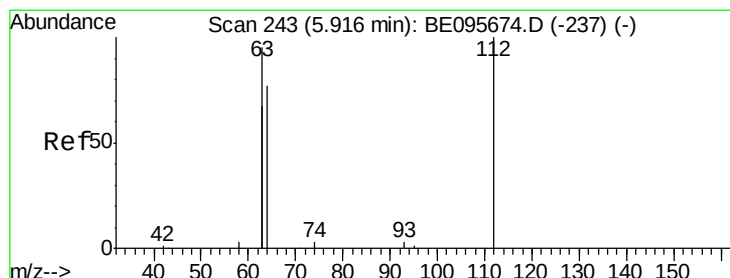
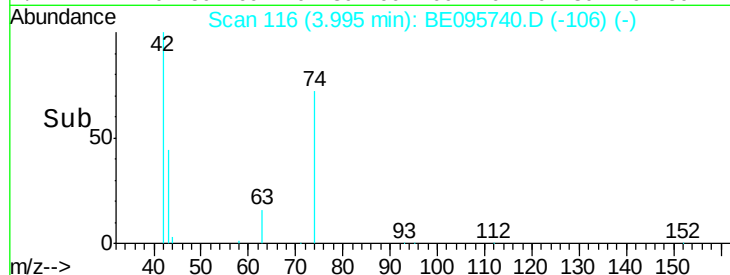
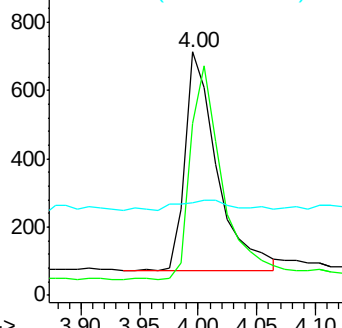
n-Nitrosodimethylamine
 Concen: 0.391 ng
 RT: 4.00 min Scan# 116
 Delta R.T. -0.01 min
 Lab File: BE095740.D
 Acq: 12 Mar 2018 22:20

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 1232
 Ion Ratio Lower Upper
 42 100
 74 95.9 96.0 144.0#
 44 7.5 12.0 18.0#



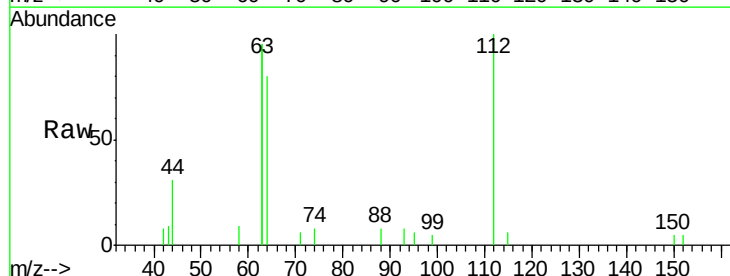
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



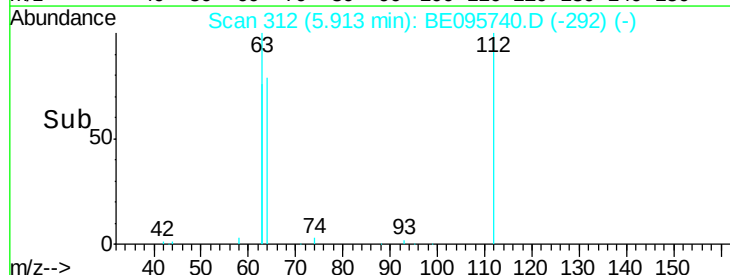
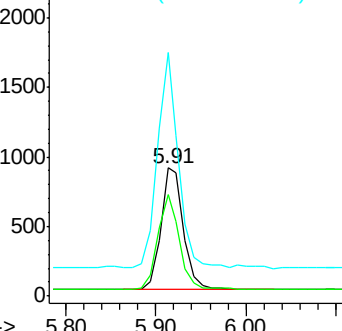
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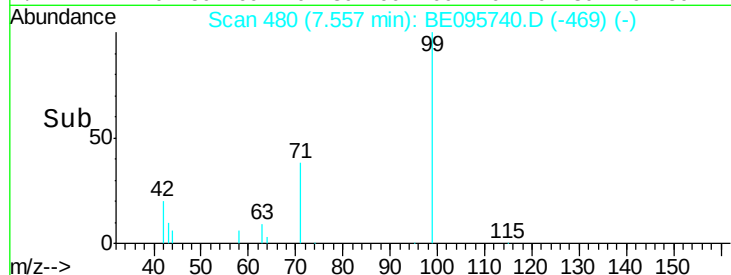
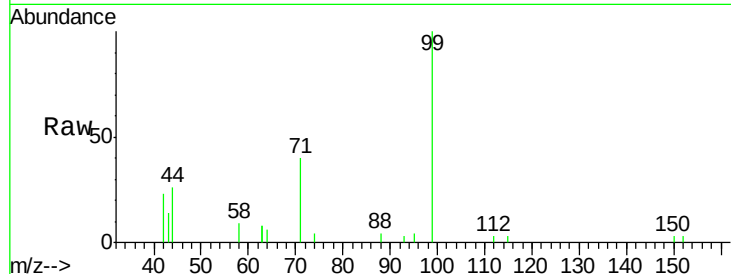
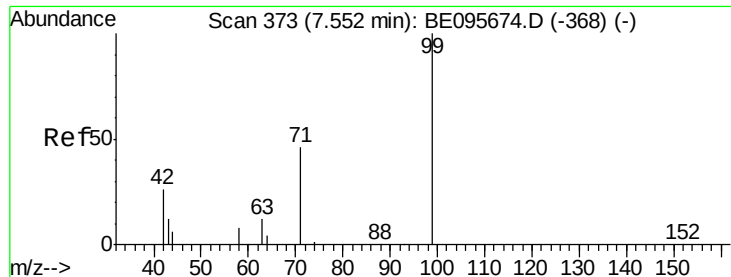
2-Fluorophenol
 Concen: 0.371 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: BE095740.D
 Acq: 12 Mar 2018 22:20

Tgt Ion: 112 Resp: 1580
 Ion Ratio Lower Upper
 112 100
 64 74.6 60.1 90.1
 63 158.5 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0

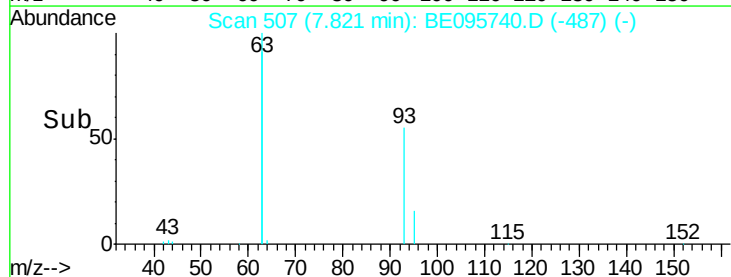
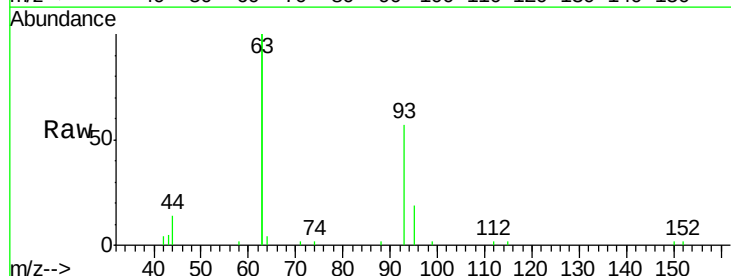
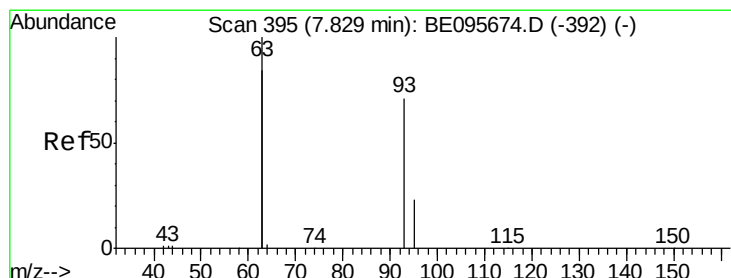
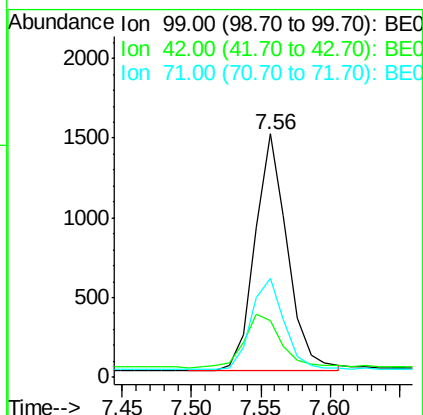




#5
Phenol-d6
Concen: 0.408 ng
RT: 7.56 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE095740.D
Acq: 12 Mar 2018 22:20

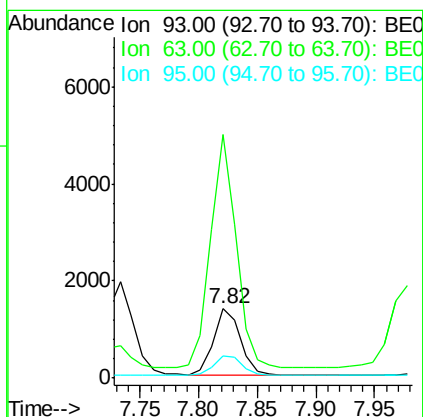
Instrument :
BNA_E
ClientSampleId :

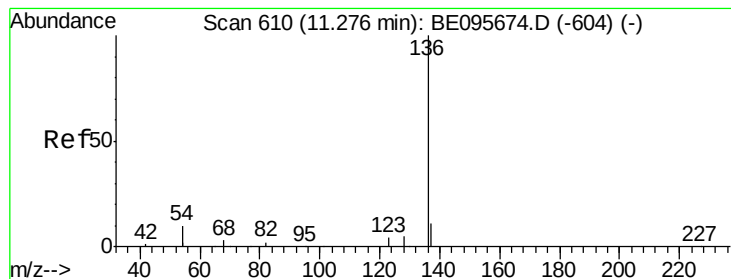
Tot Ion	Ratio	Lower	Upper
99	100		
42	25.6	20.2	30.2
71	39.8	28.4	42.6



#6
bis(2-Chloroethyl)ether
Concen: 0.366 ng
RT: 7.82 min Scan# 507
Delta R.T. -0.01 min
Lab File: BE095740.D
Acq: 12 Mar 2018 22:20

Tgt Ion	Ratio	Lower	Upper
93	100		
63	330.4	275.3	412.9
95	31.7	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.02 min

Lab File: BE095740.D

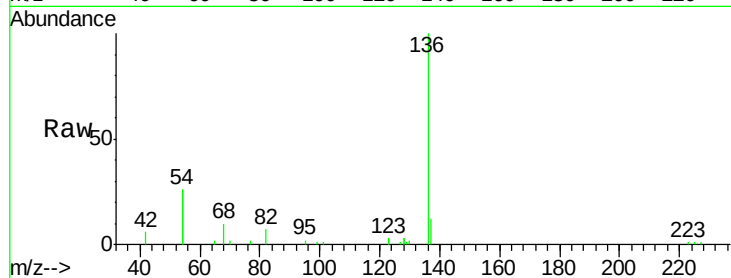
Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	6514
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.5 14.3
54	51.3	29.1 43.7#
68	9.8	6.2 9.2#

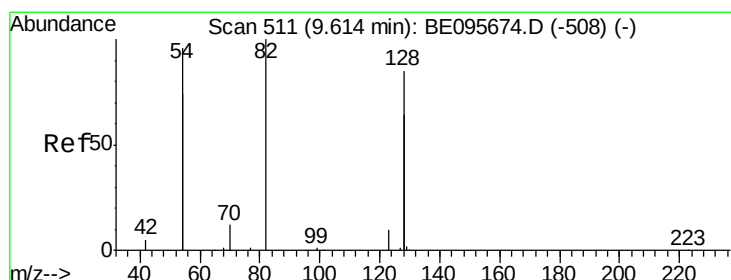
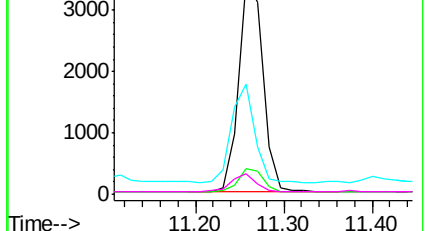
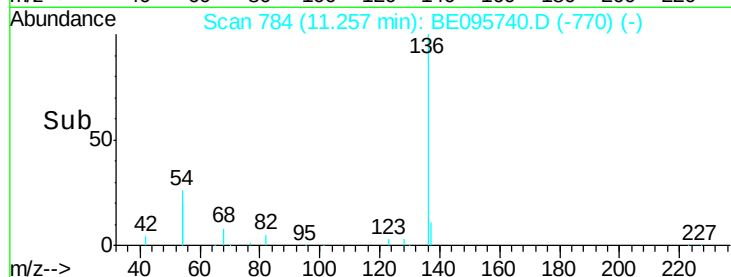


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.369 ng

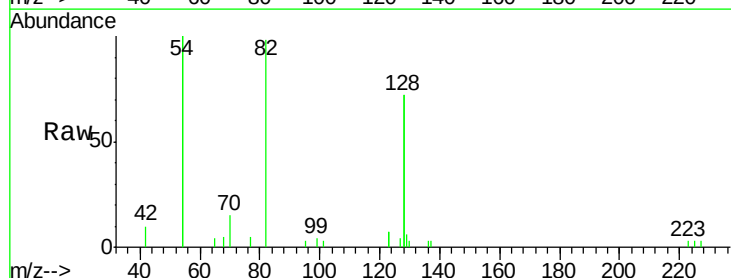
RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

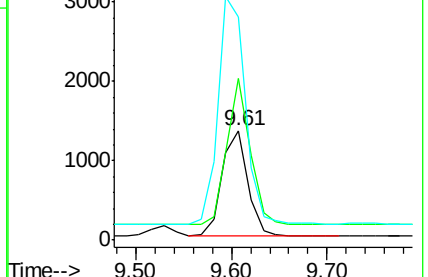
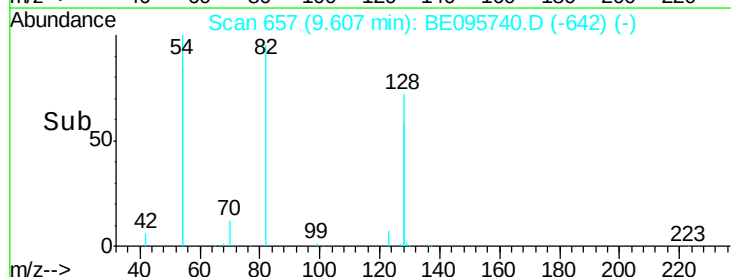
Tgt Ion: 82	Resp:	2474
Ion	Ratio	Lower Upper
82	100	
128	147.0	150.0 225.0#
54	203.6	154.2 231.4

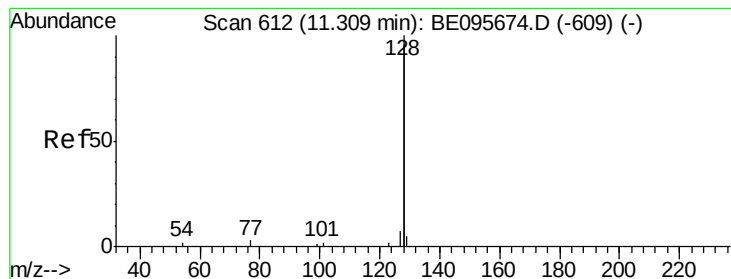


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.362 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

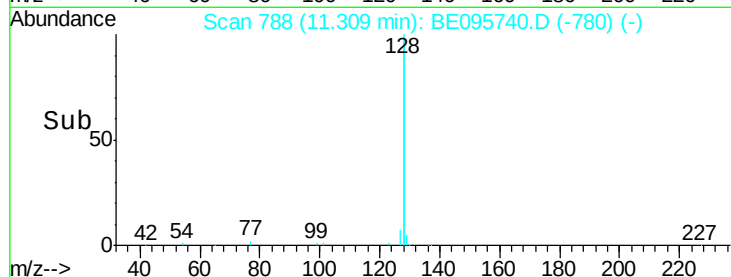
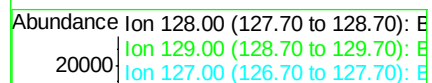
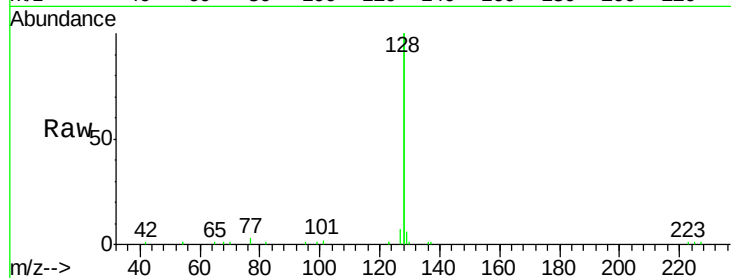
Tot Ion:128 Resp: 27163

Ion Ratio Lower Upper

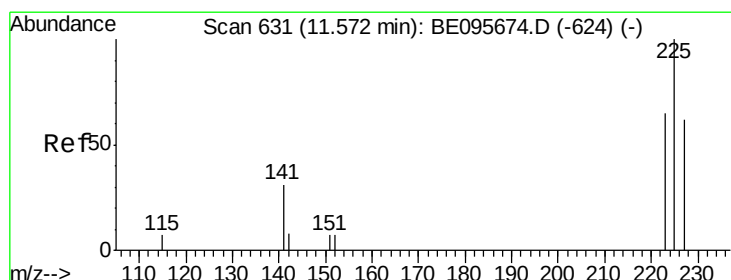
128 100

129 2.8 2.6 3.8

127 3.6 2.8 4.2



Time-->



#10

Hexachlorobutadiene

Concen: 0.437 ng

RT: 11.57 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

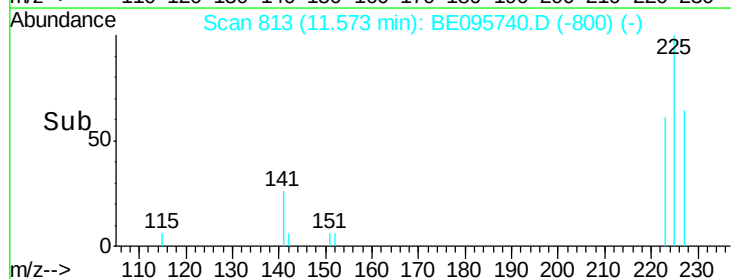
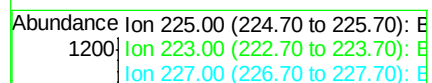
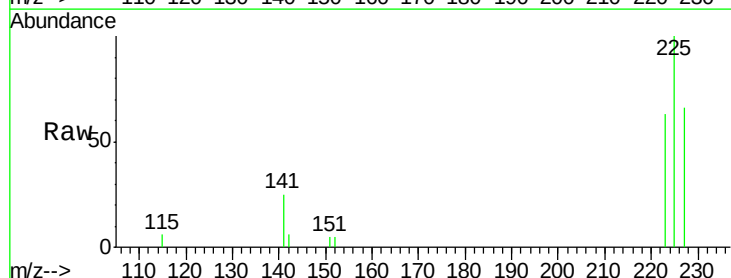
Tgt Ion:225 Resp: 1914

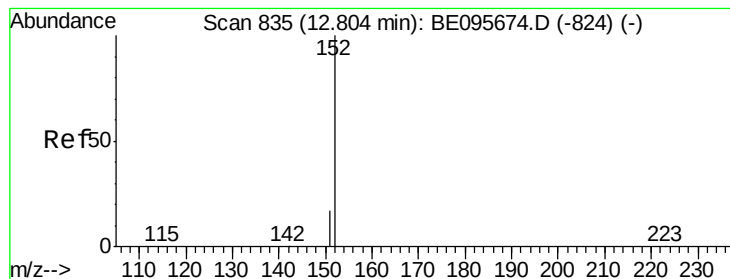
Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

227 63.0 51.4 77.2

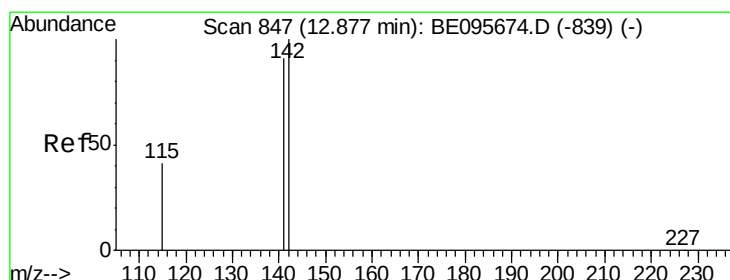
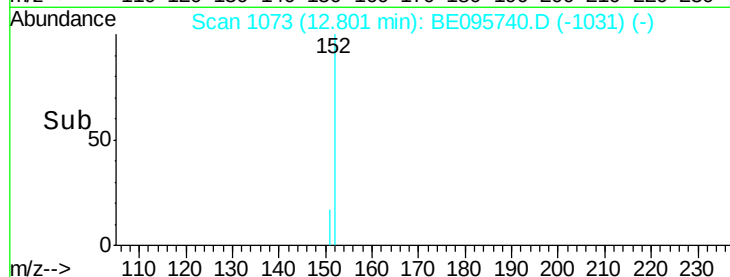
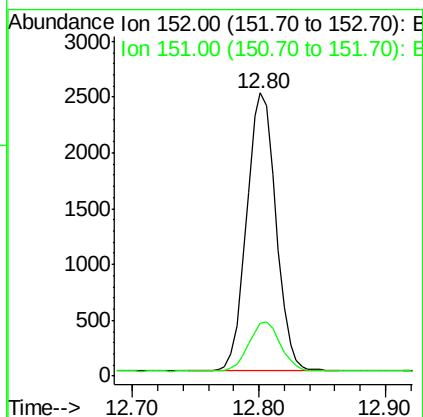
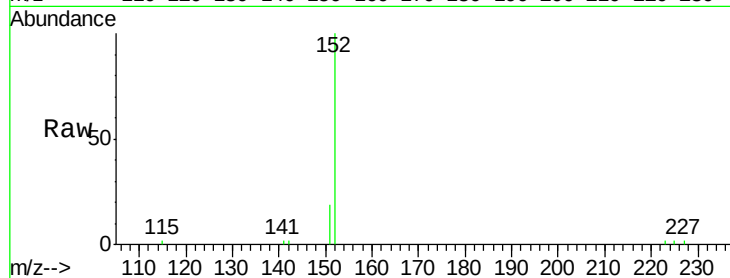




#11
 2-Methylnaphthalene-d10
 Concen: 0.369 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE095740.D
 Acq: 12 Mar 2018 22:20

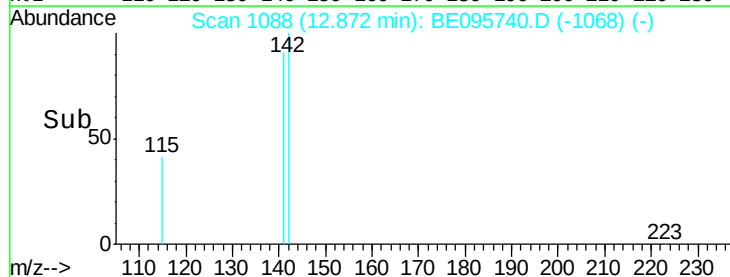
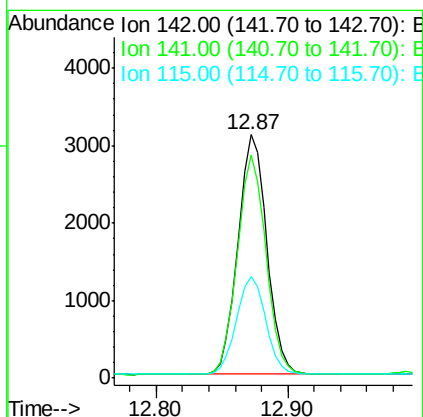
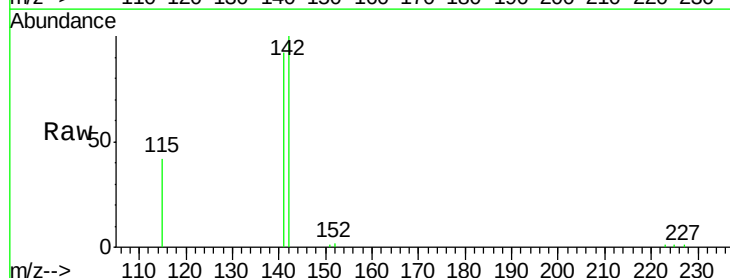
Instrument :
 BNA_E
 ClientSampleId :

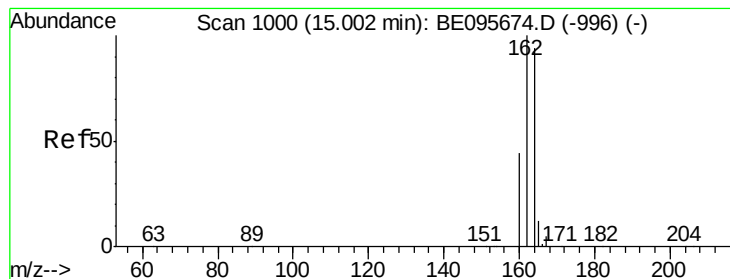
Tot Ion:152 Resp: 4016
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.363 ng
 RT: 12.87 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BE095740.D
 Acq: 12 Mar 2018 22:20

Tgt Ion:142 Resp: 4706
 Ion Ratio Lower Upper
 142 100
 141 91.6 70.4 105.6
 115 41.7 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: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

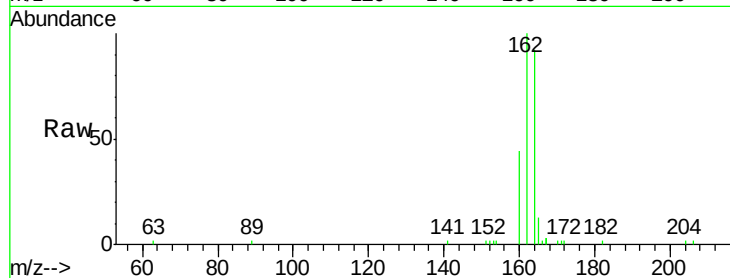
Tot Ion:164 Resp: 3739

Ion Ratio Lower Upper

164 100

162 108.5 83.1 124.7

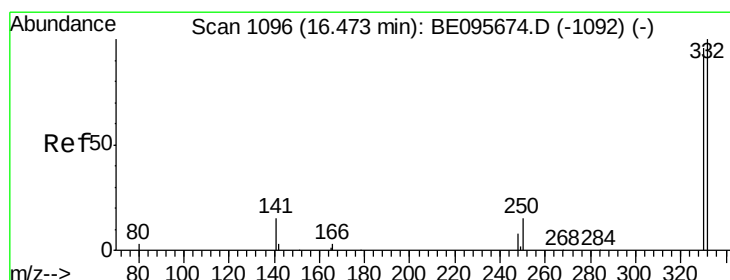
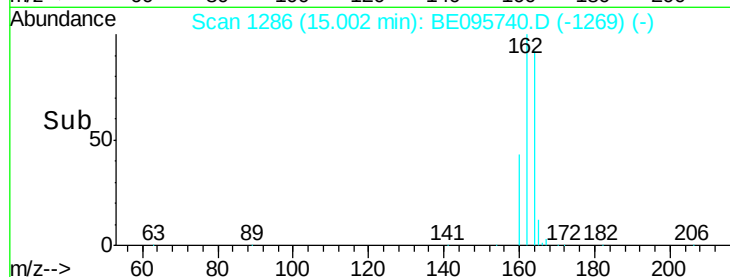
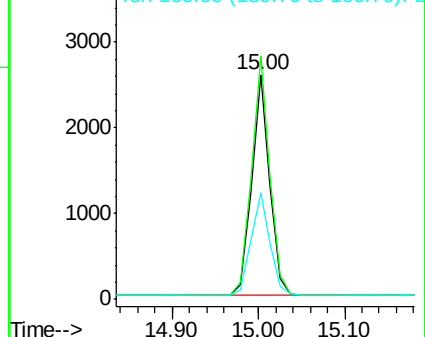
160 47.6 37.1 55.7



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: 0.406 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

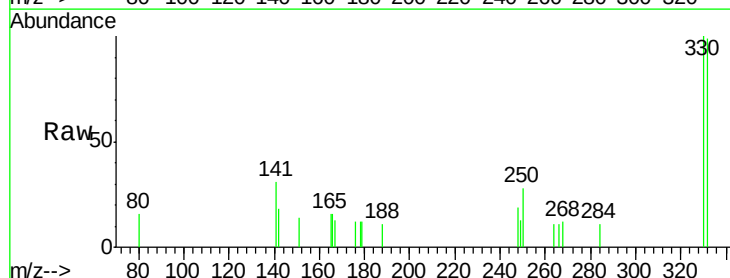
Tgt Ion:330 Resp: 520

Ion Ratio Lower Upper

330 100

332 100.4 152.7 229.1#

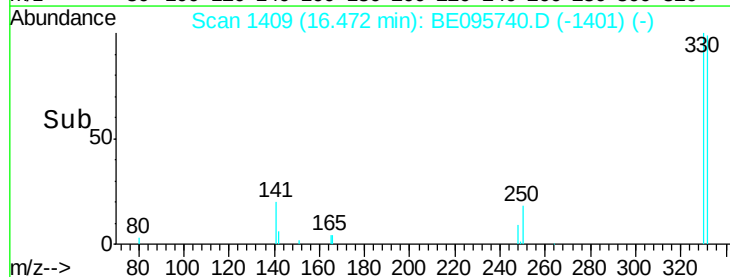
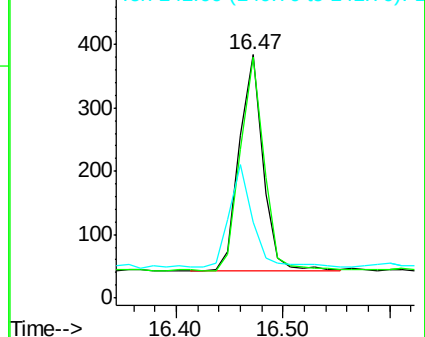
141 45.8 33.7 50.5

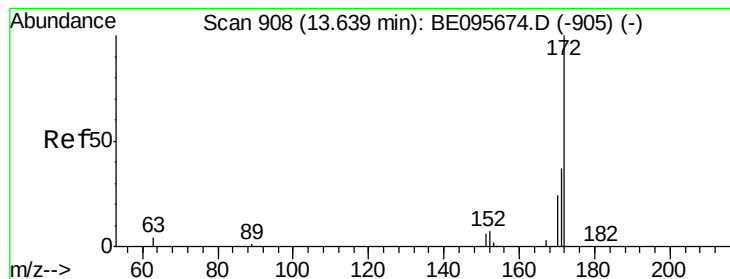


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.357 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

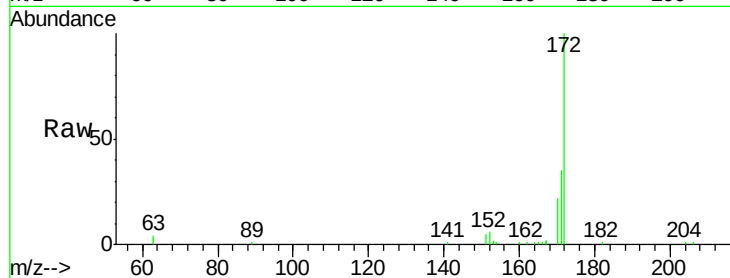
Tot Ion:172 Resp: 5967

Ion Ratio Lower Upper

172 100

171 35.5 29.9 44.9

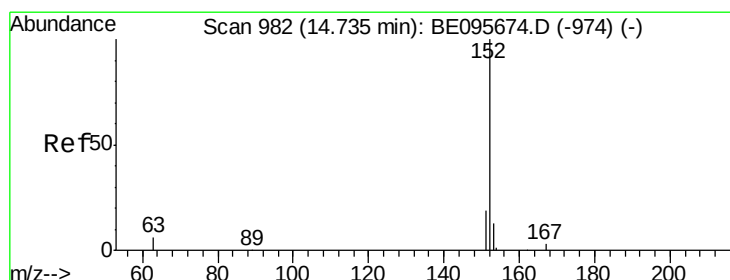
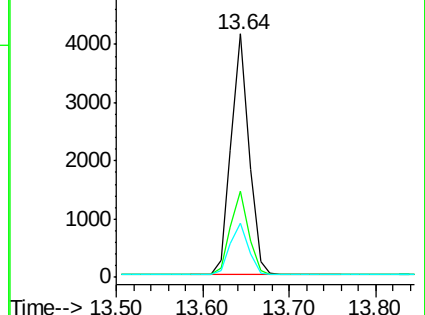
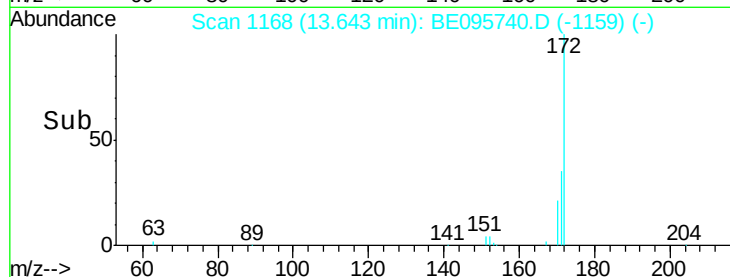
170 22.3 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.359 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

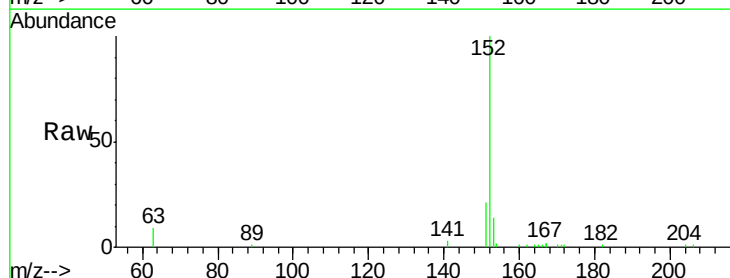
Tgt Ion:152 Resp: 7542

Ion Ratio Lower Upper

152 100

151 20.2 15.7 23.5

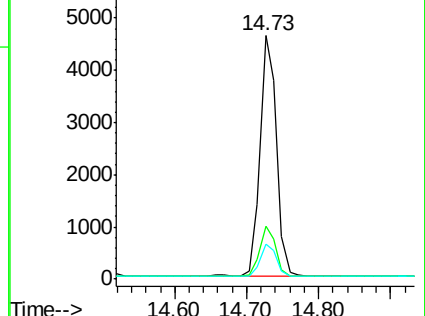
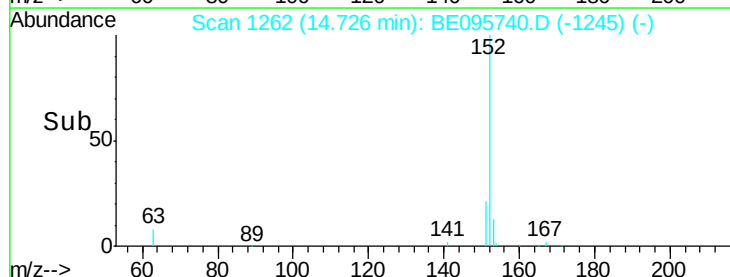
153 13.3 10.5 15.7

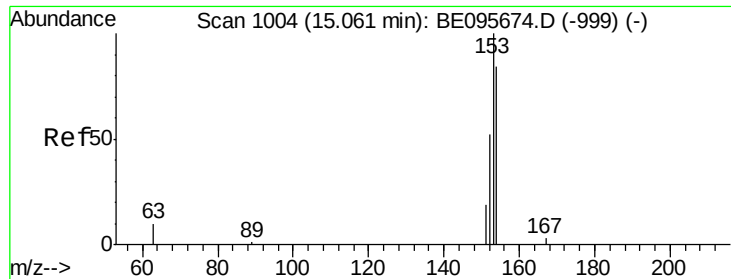


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

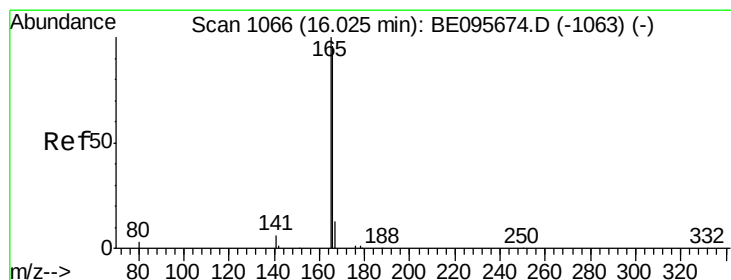
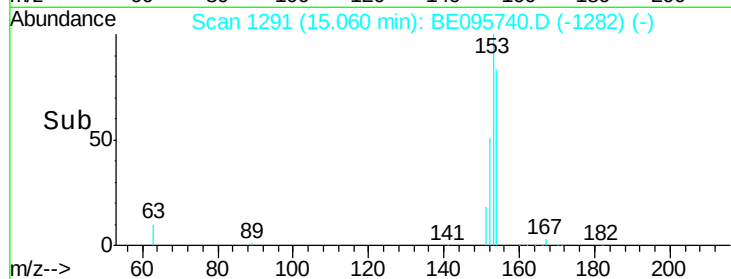
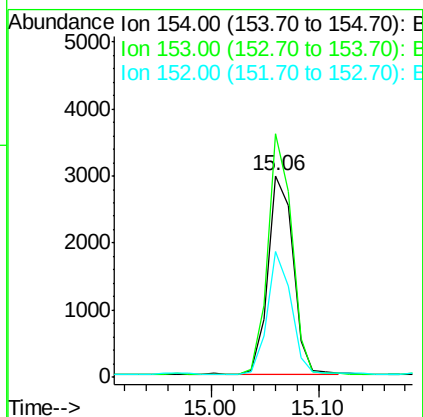
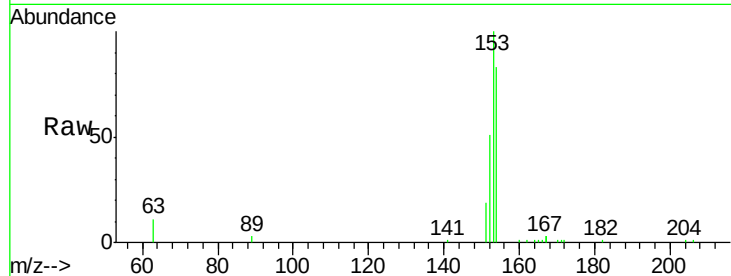




#17
Acenaphthene
Concen: 0.365 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095740.D
Acq: 12 Mar 2018 22:20

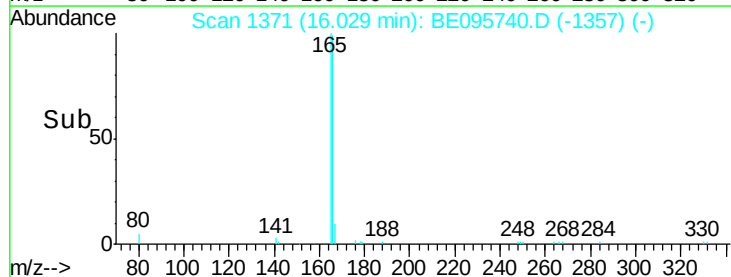
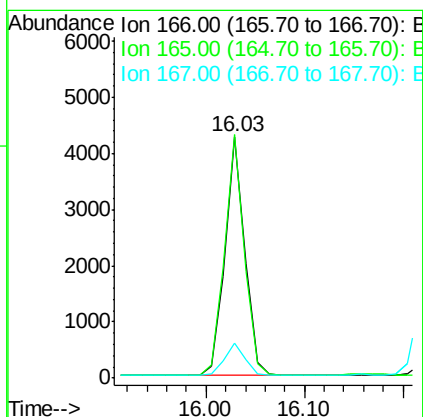
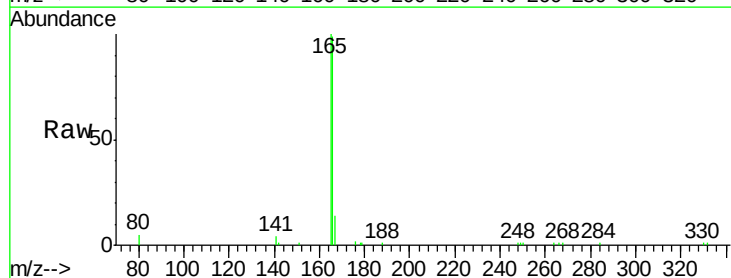
Instrument :
BNA_E
ClientSampleId :

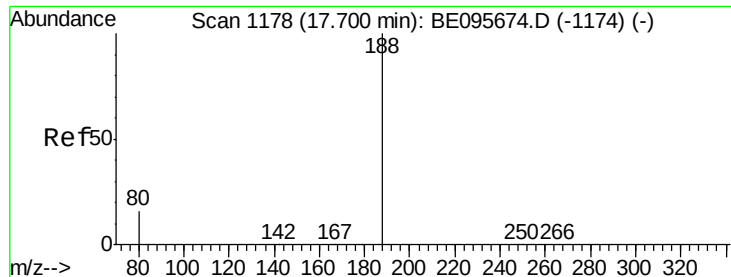
Tot Ion:154 Resp: 4815
Ion Ratio Lower Upper
154 100
153 114.8 89.2 133.8
152 57.5 42.0 63.0



#18
Fluorene
Concen: 0.360 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE095740.D
Acq: 12 Mar 2018 22:20

Tgt Ion:166 Resp: 5890
Ion Ratio Lower Upper
166 100
165 100.9 77.8 116.6
167 14.2 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

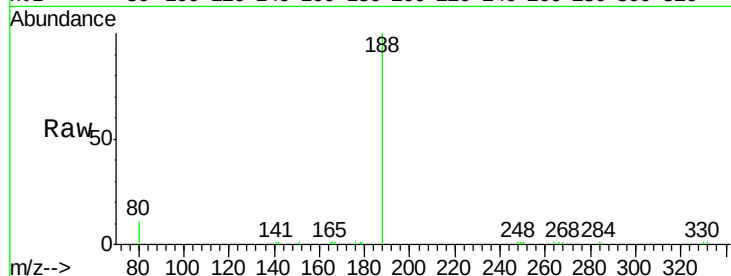
Tot Ion:188 Resp: 8362

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

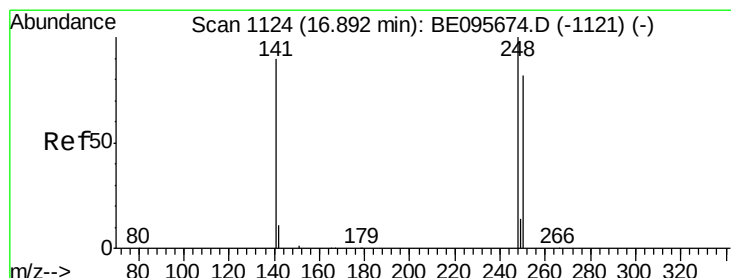
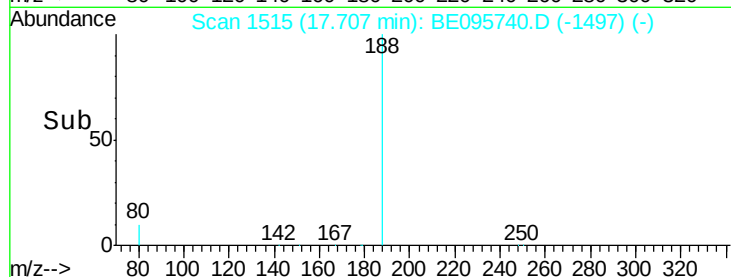
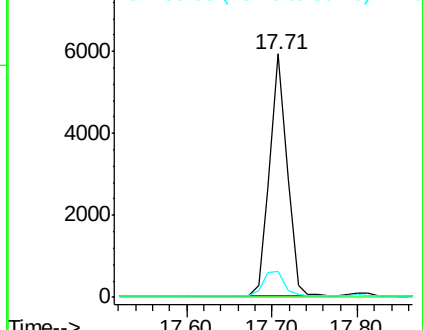
80 10.8 3.6 5.4#



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: 0.353 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

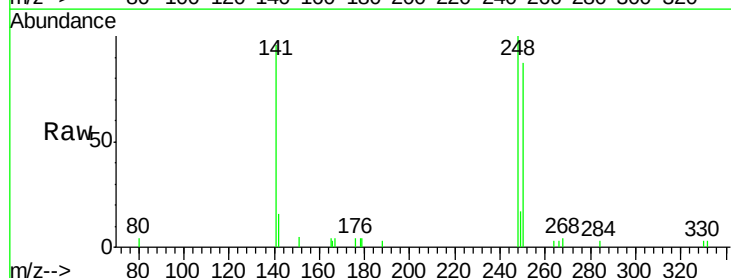
Tgt Ion:248 Resp: 1855

Ion Ratio Lower Upper

248 100

250 86.9 62.7 94.1

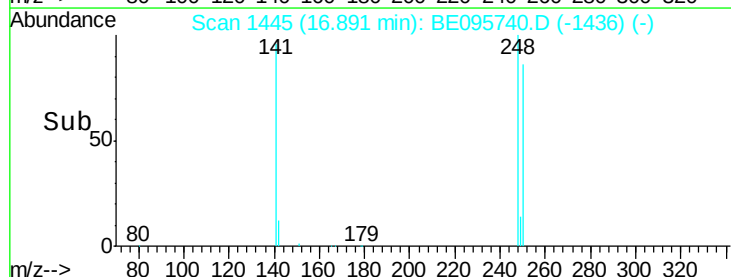
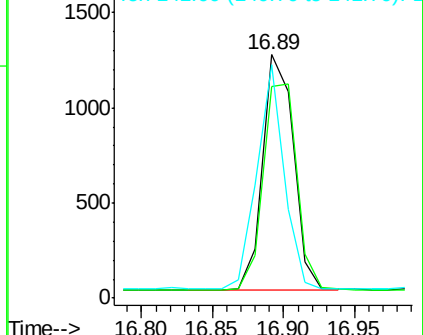
141 96.1 48.2 72.2#

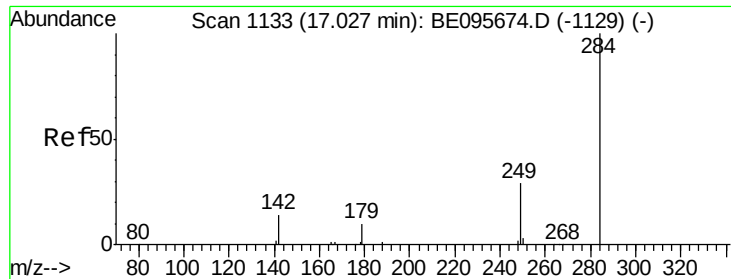


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.352 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

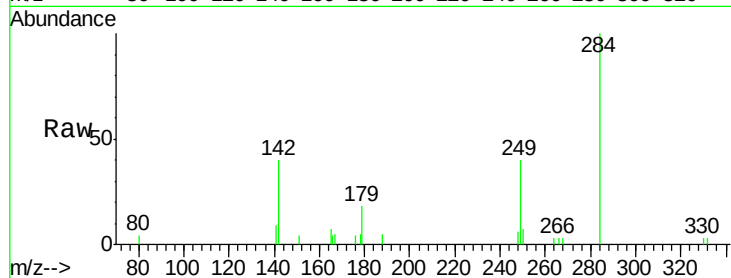
Tot Ion:284 Resp: 1913

Ion Ratio Lower Upper

284 100

142 42.2 22.1 33.1#

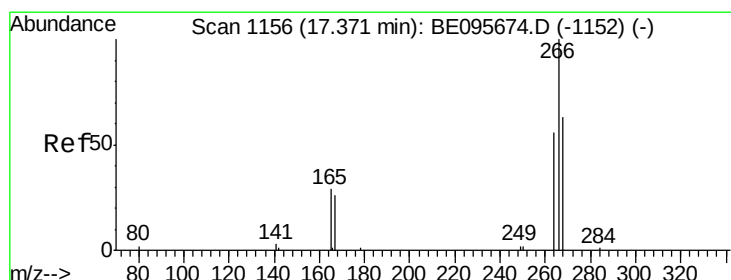
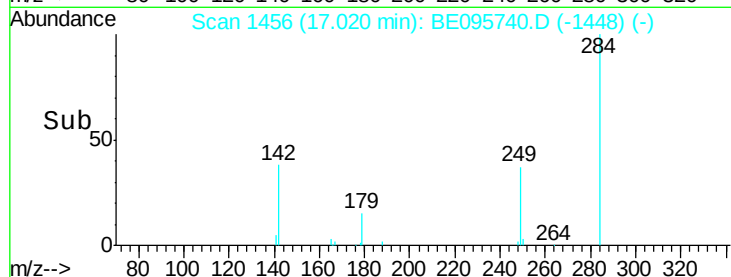
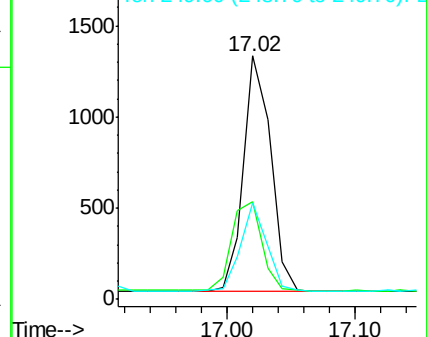
249 35.7 34.8 52.2



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: 0.518 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

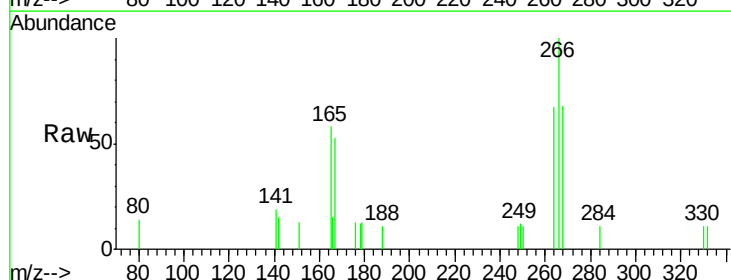
Tgt Ion:266 Resp: 678

Ion Ratio Lower Upper

266 100

264 66.7 72.5 108.7#

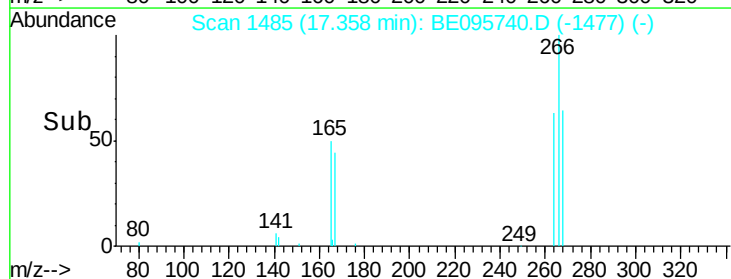
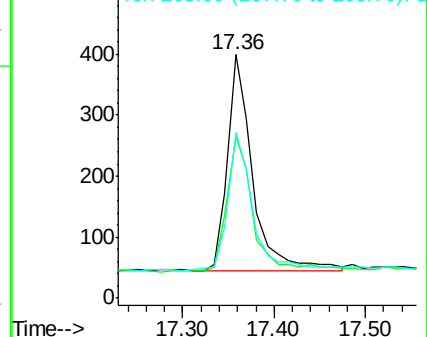
268 67.9 73.8 110.6#

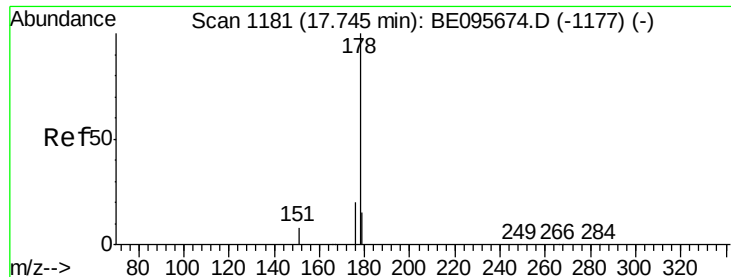


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.352 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

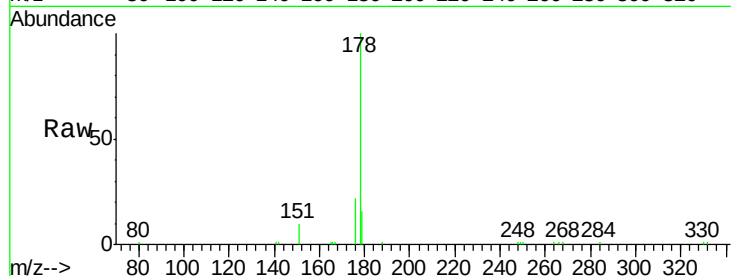
Tot Ion:178 Resp: 9212

Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

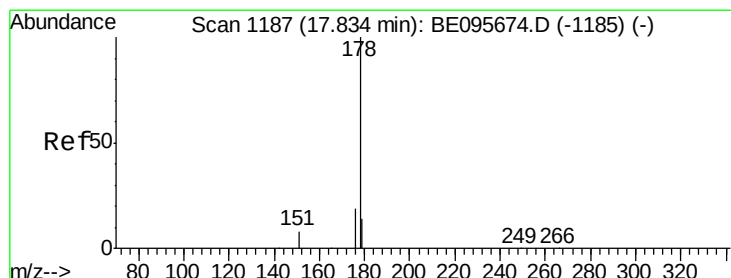
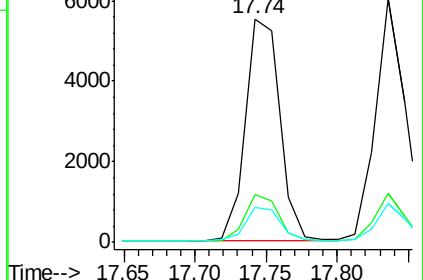
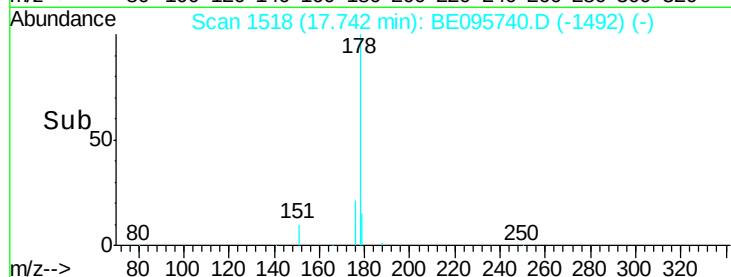
179 14.7 11.8 17.6



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: 0.360 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

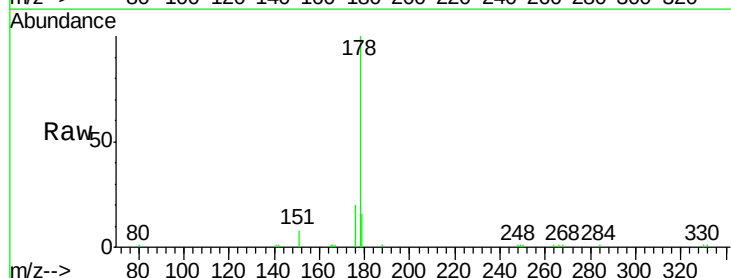
Tgt Ion:178 Resp: 8628

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

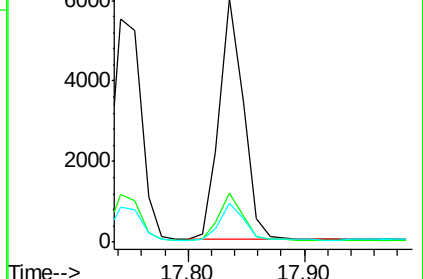
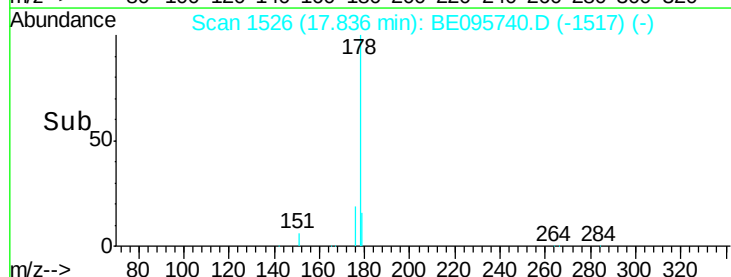
179 15.5 13.0 19.6

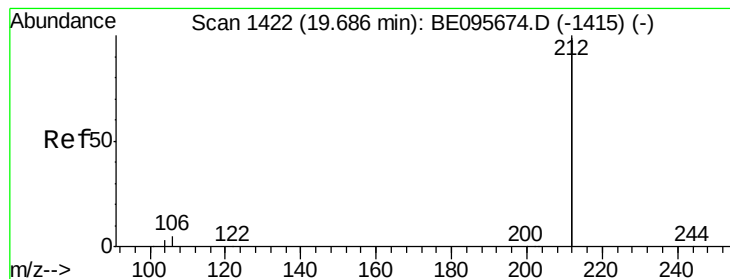


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.349 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

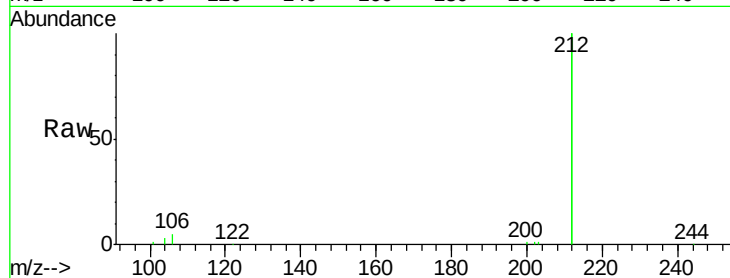
Tot Ion:212 Resp: 38075

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

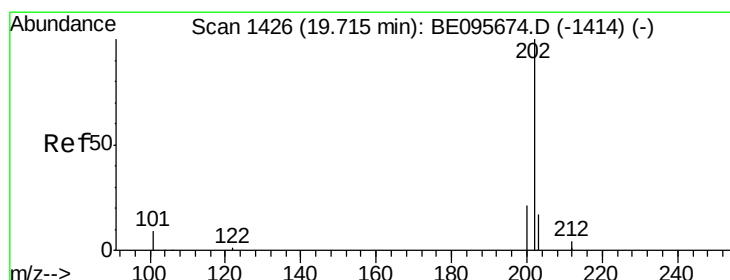
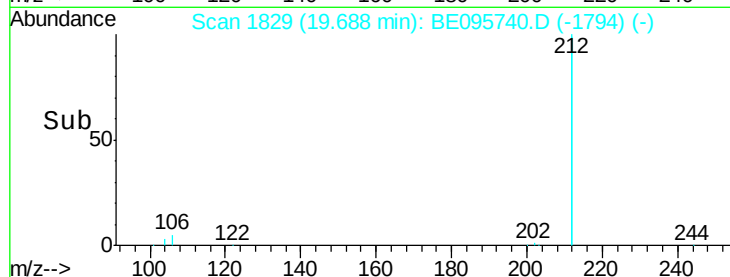
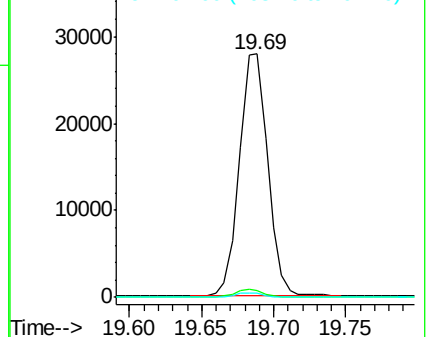
104 1.7 1.6 2.4



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: 0.348 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

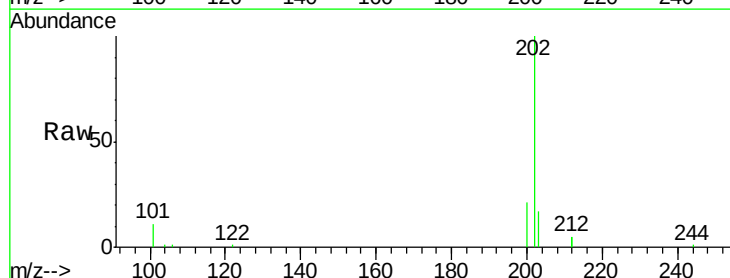
Tgt Ion:202 Resp: 11200

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

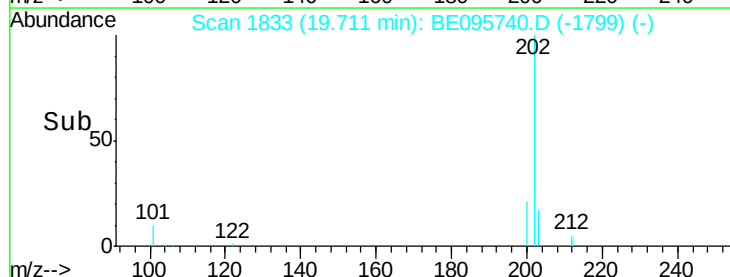
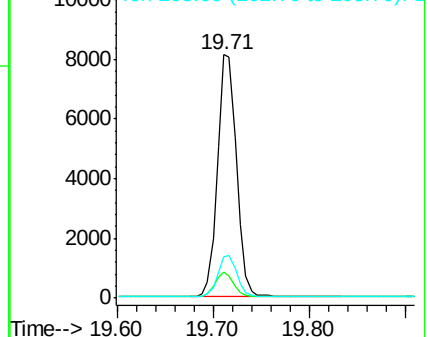
203 17.0 13.7 20.5

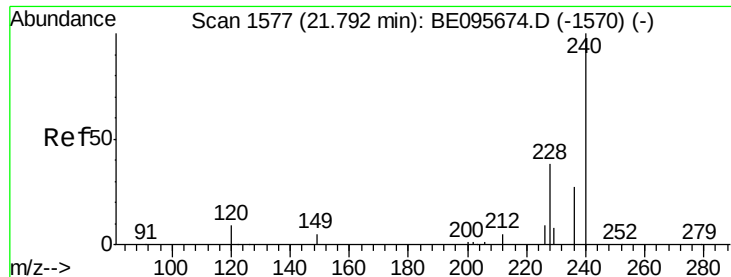


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

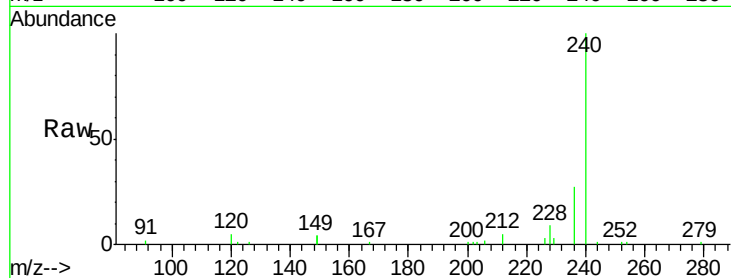
Tot Ion:240 Resp: 8354

Ion Ratio Lower Upper

240 100

120 5.4 5.5 8.3#

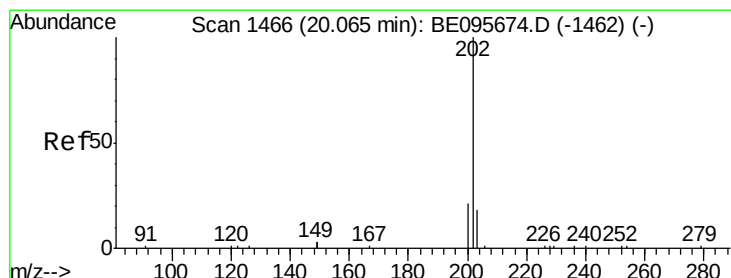
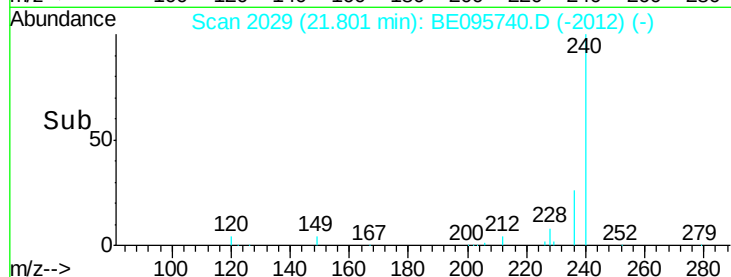
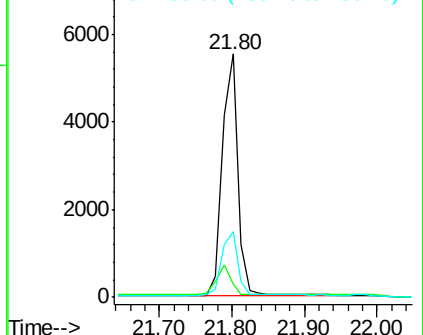
236 26.8 20.7 31.1



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: 0.353 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

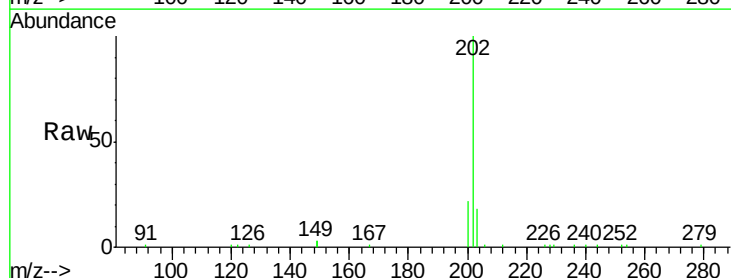
Tgt Ion:202 Resp: 12069

Ion Ratio Lower Upper

202 100

200 24.4 16.6 25.0

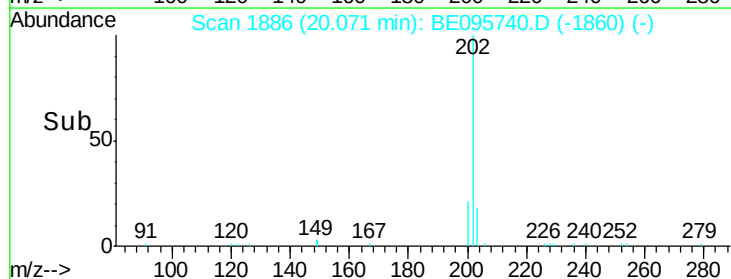
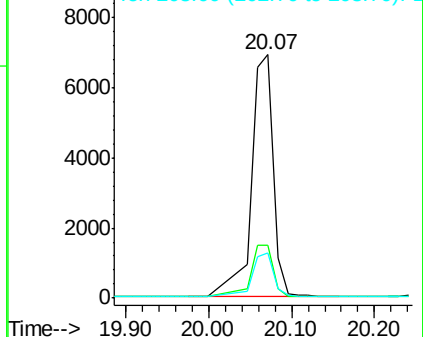
203 17.6 13.8 20.8

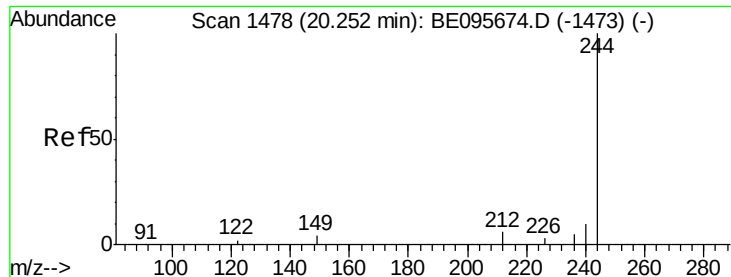


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.376 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampled :

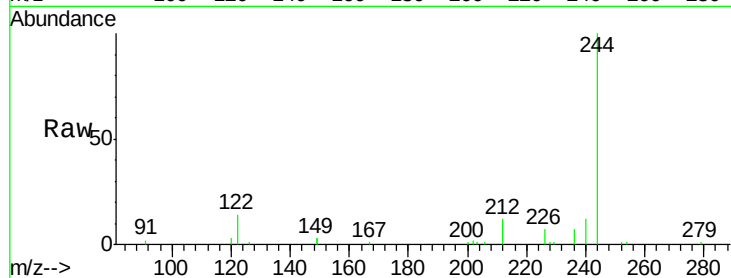
Tot Ion:244 Resp: 6254

Ion Ratio Lower Upper

244 100

212 11.9 25.4 38.0#

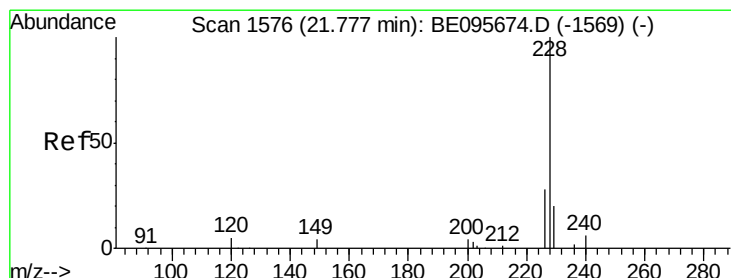
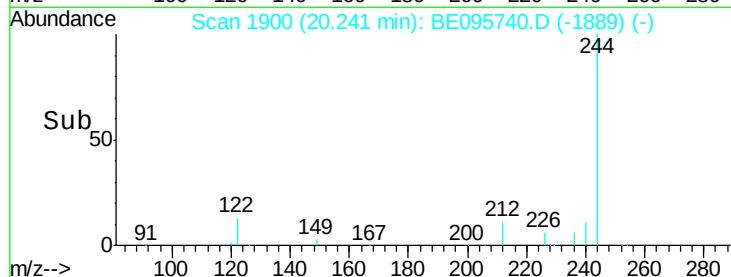
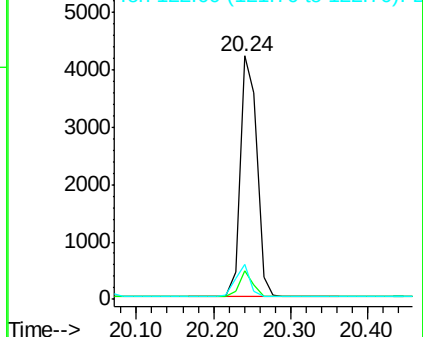
122 14.5 8.1 12.1#



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: 0.380 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

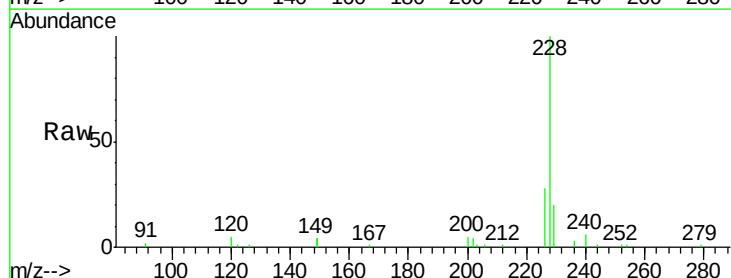
Tgt Ion:228 Resp: 10361

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

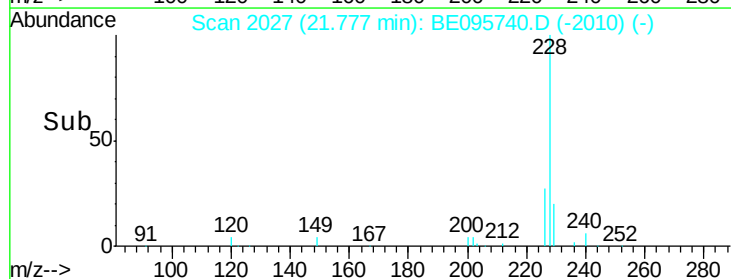
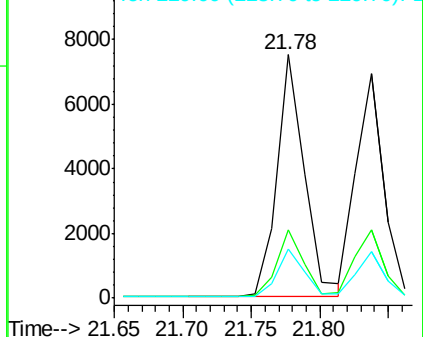
229 20.1 16.0 24.0

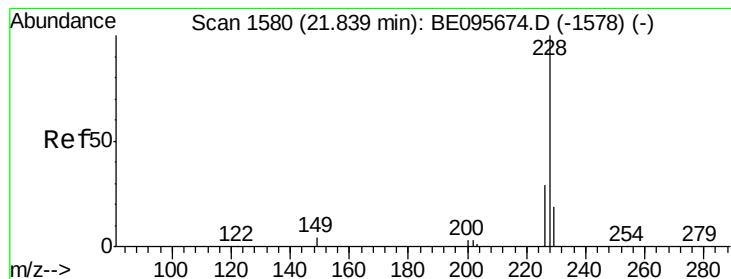


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.356 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampled :

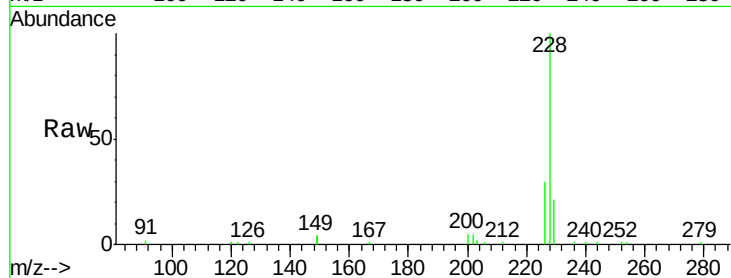
Tot Ion:228 Resp: 9660

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

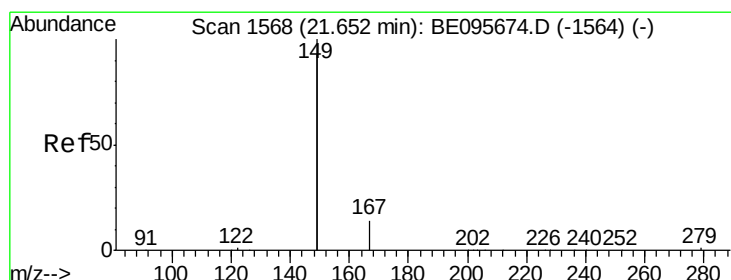
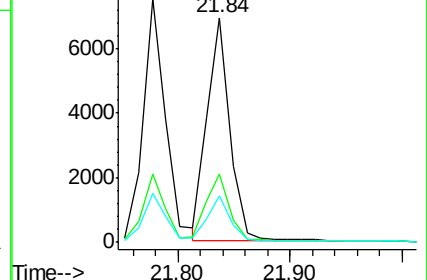
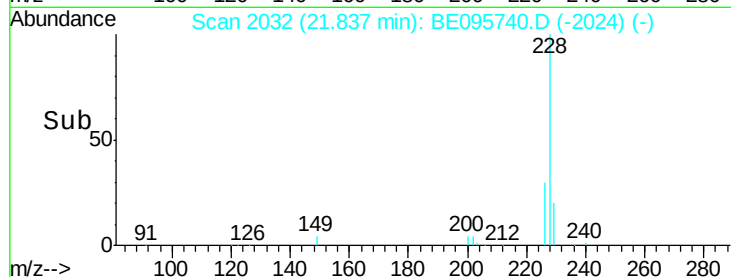
229 20.9 16.0 24.0



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: 0.397 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

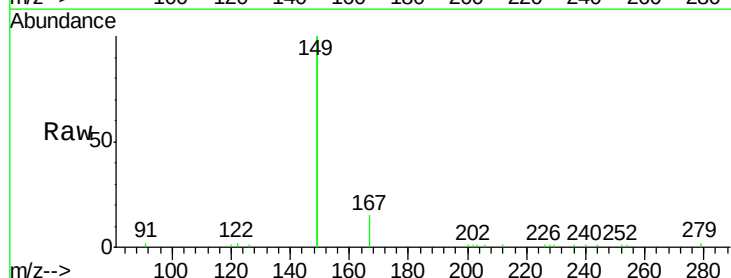
Tgt Ion:149 Resp: 19143

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

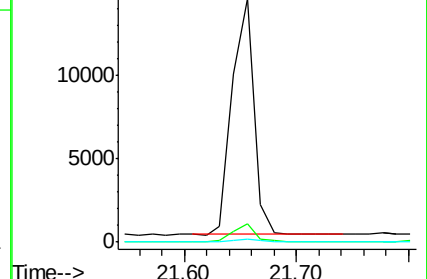
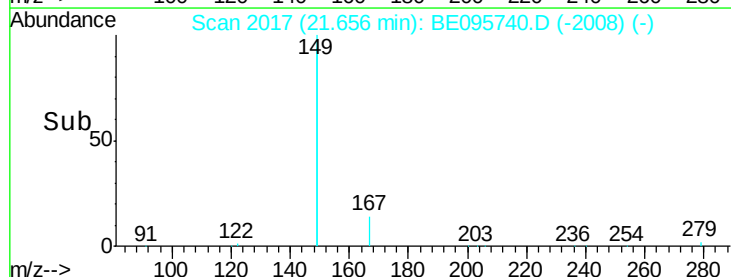
279 0.8 0.7 1.1

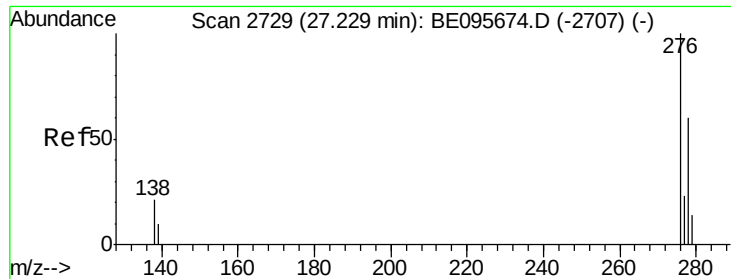


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

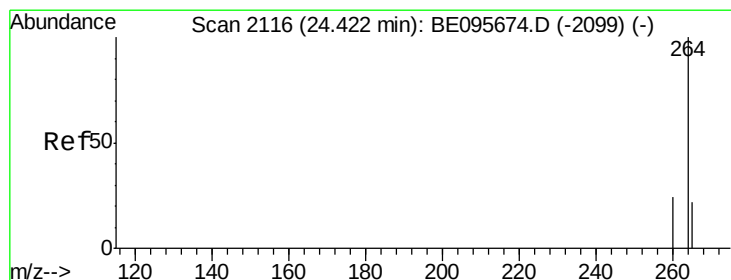
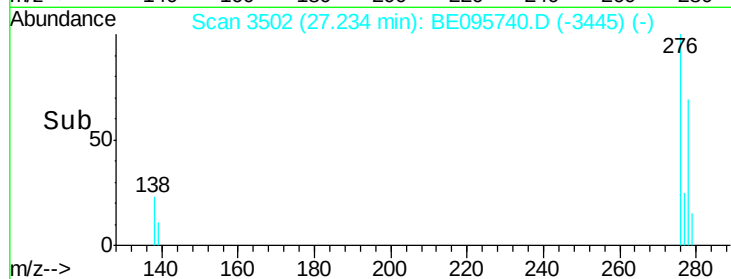
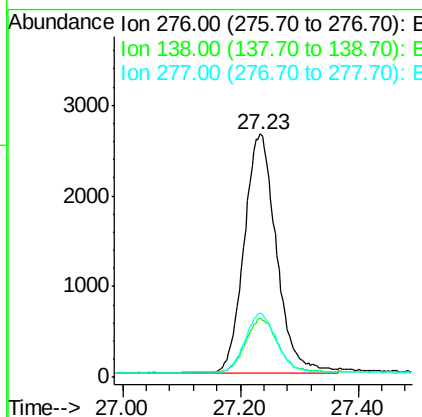
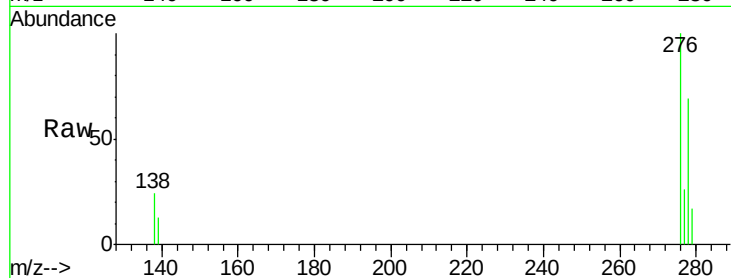




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.384 ng
 RT: 27.23 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: BE095740.D
 Acq: 12 Mar 2018 22:20

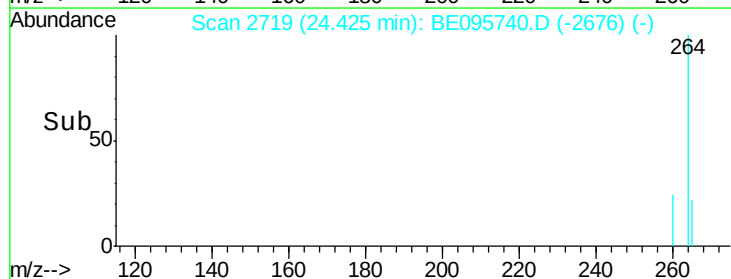
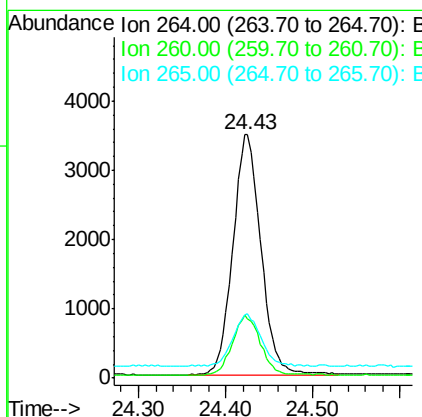
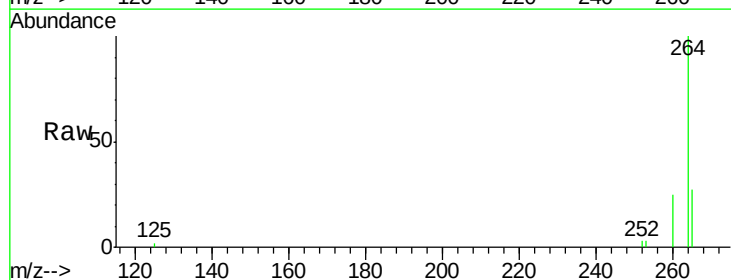
Instrument :
 BNA_E
 ClientSampleId :

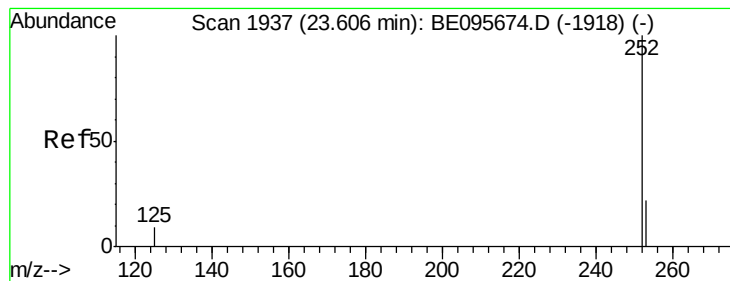
Tot Ion:276 Resp: 10084
 Ion Ratio Lower Upper
 276 100
 138 22.3 22.5 33.7#
 277 24.4 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE095740.D
 Acq: 12 Mar 2018 22:20

Tgt Ion:264 Resp: 7731
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.5 30.7
 265 26.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.350 ng

RT: 23.61 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

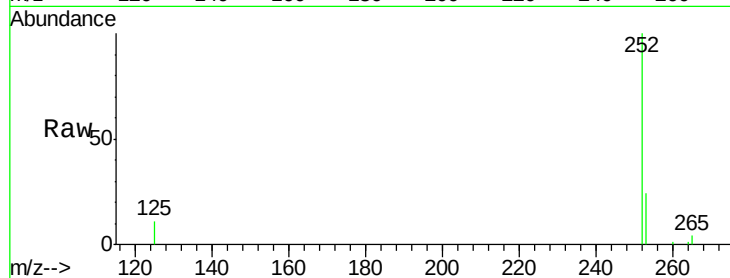
Tot Ion:252 Resp: 9651

Ion Ratio Lower Upper

252 100

253 23.8 20.0 30.0

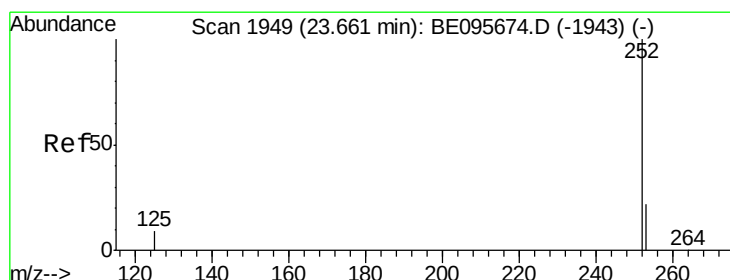
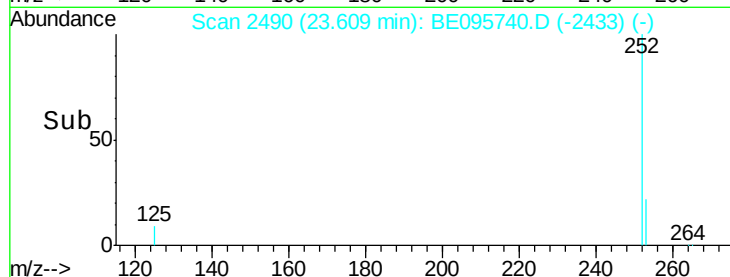
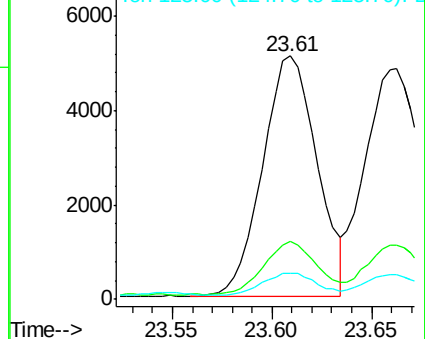
125 10.7 16.0 24.0#



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: 0.353 ng

RT: 23.66 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

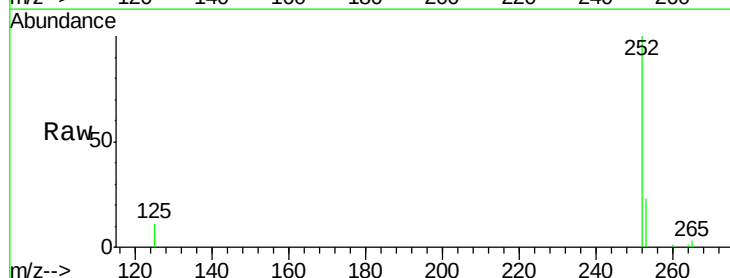
Tgt Ion:252 Resp: 9665

Ion Ratio Lower Upper

252 100

253 23.2 16.0 24.0

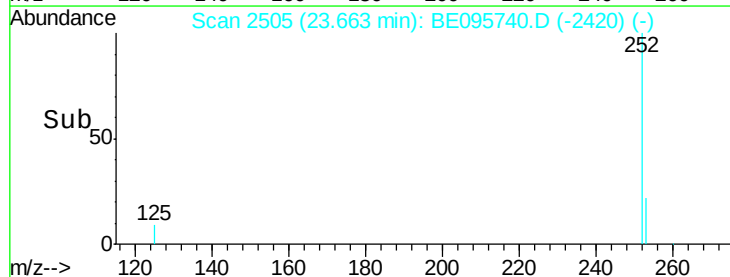
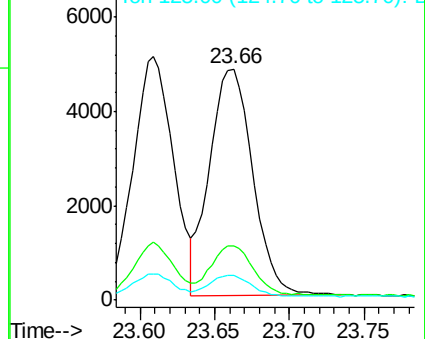
125 10.6 8.0 12.0

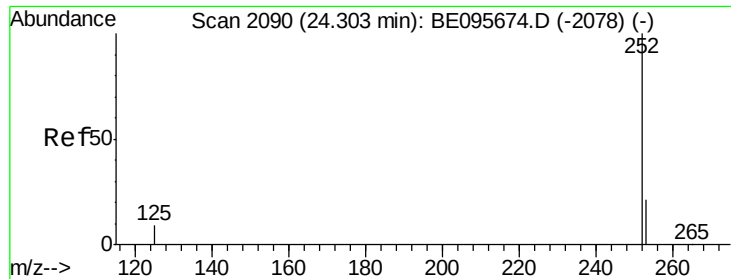


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.360 ng

RT: 24.30 min Scan# 2685

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampled :

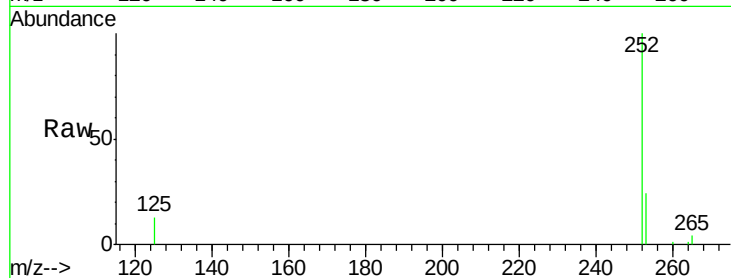
Tot Ion:252 Resp: 8935

Ion Ratio Lower Upper

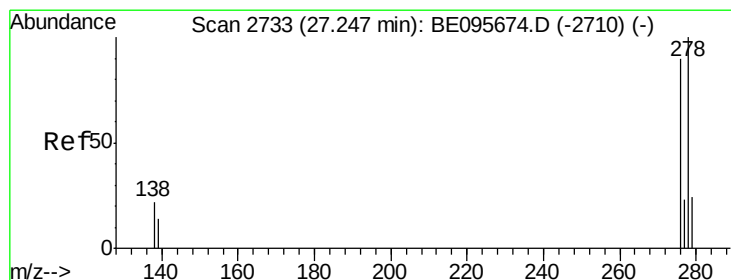
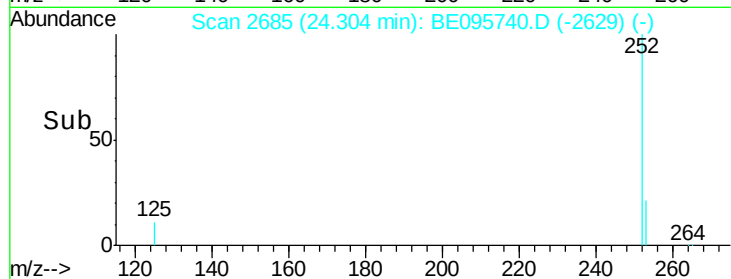
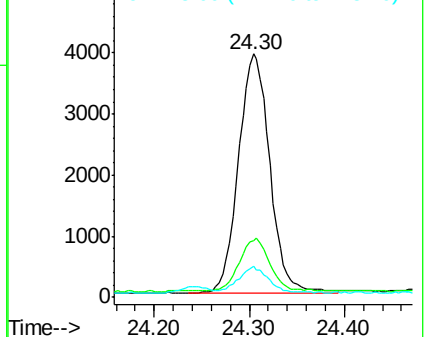
252 100

253 23.5 16.0 24.0

125 12.8 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: 0.373 ng

RT: 27.24 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

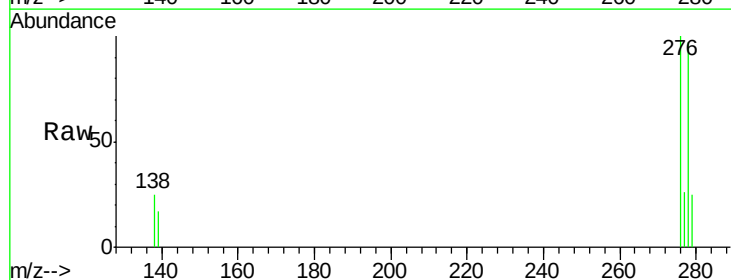
Tgt Ion:278 Resp: 8248

Ion Ratio Lower Upper

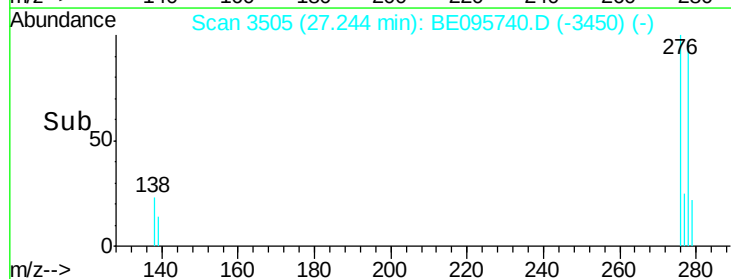
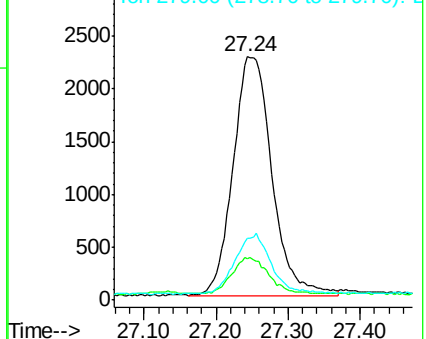
278 100

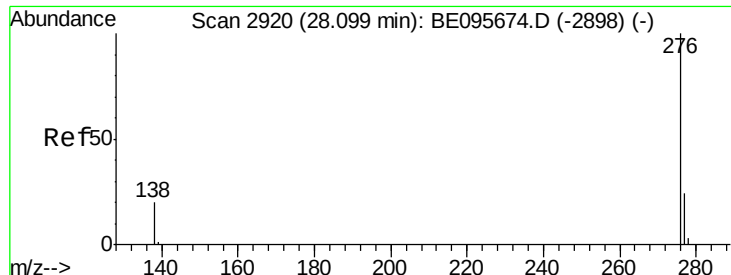
139 17.1 16.0 24.0

279 25.3 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: 0.356 ng

RT: 28.10 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE095740.D

Acq: 12 Mar 2018 22:20

Instrument :

BNA_E

ClientSampleId :

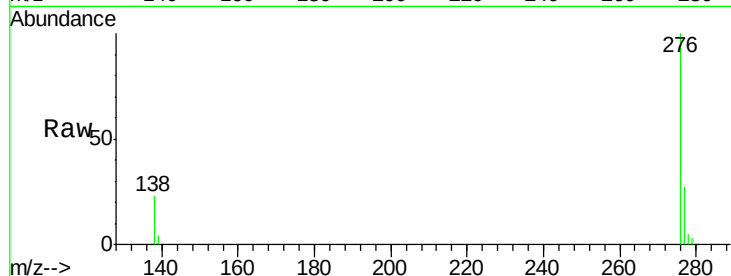
Tot Ion: 276 Resp: 8432

Ion Ratio Lower Upper

276 100

277 26.5 16.0 24.0#

138 23.2 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

