

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095738.D
 Acq On : 12 Mar 2018 19:54
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Mar 13 10:48:05 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	1567	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	6515	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3802	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	8306	0.40	ng	0.00
27) Chrysene-d12	21.80	240	8511	0.40	ng	0.00
34) Perylene-d12	24.43	264	7981	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	1605	0.39	ng	0.00
5) Phenol-d6	7.56	99	2465	0.43	ng	0.00
8) Nitrobenzene-d5	9.61	82	2515	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3995	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	599	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	5992	0.35	ng	0.00
25) Fluoranthene-d10	19.69	212	38883	0.36	ng	0.00
29) Terphenyl-d14	20.24	244	6294	0.37	ng	-0.01

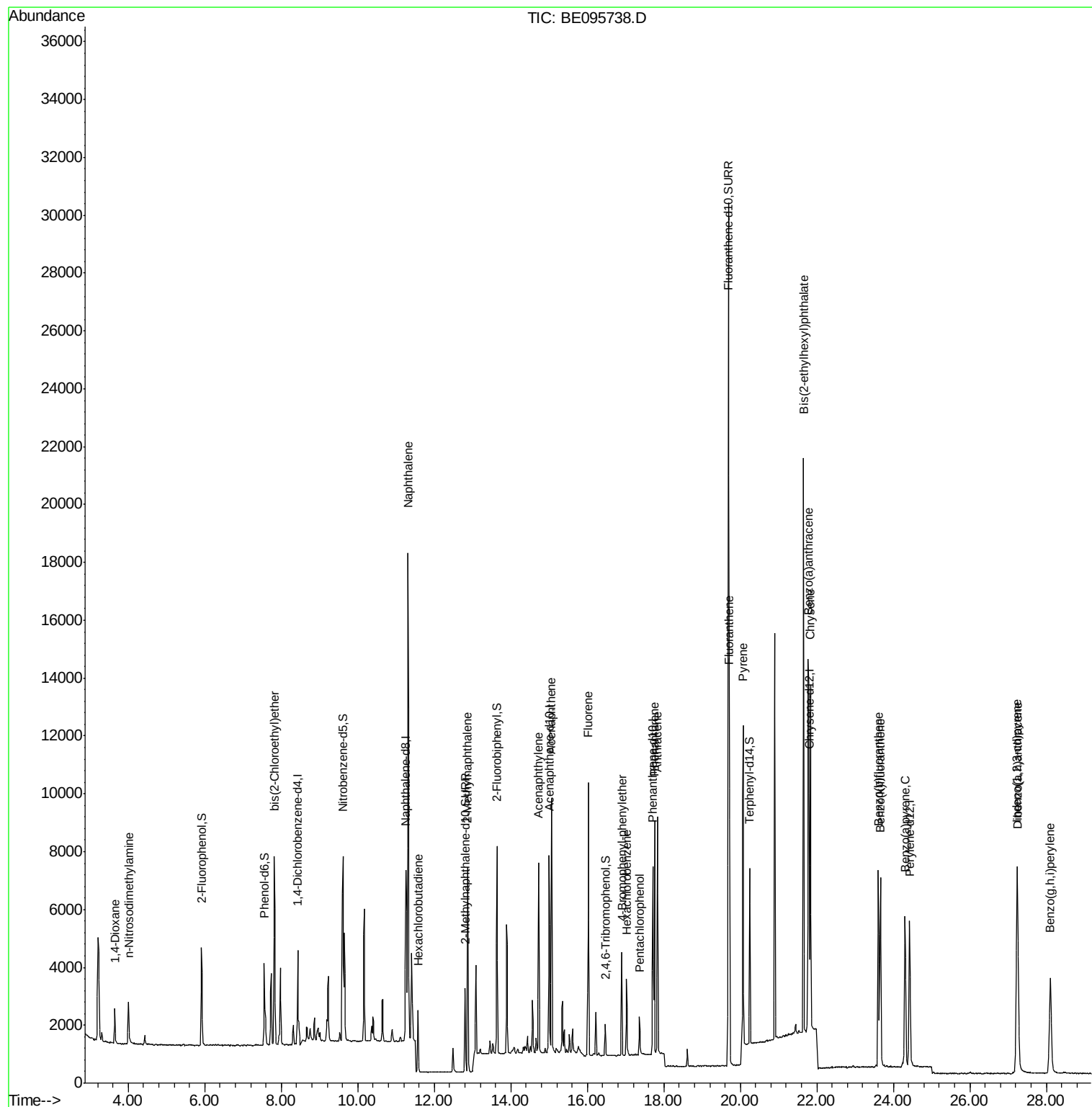
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	873	0.354	ng	# 90
3) n-Nitrosodimethylamine	3.99	42	1169	0.382	ng	# 84
6) bis(2-Chloroethyl)ether	7.82	93	2179	0.371	ng	96
9) Naphthalene	11.31	128	27368	0.364	ng	99
10) Hexachlorobutadiene	11.57	225	1727	0.394	ng	# 90
12) 2-Methylnaphthalene	12.87	142	4730	0.365	ng	96
16) Acenaphthylene	14.73	152	7712	0.361	ng	99
17) Acenaphthene	15.06	154	4818	0.359	ng	95
18) Fluorene	16.03	166	6050	0.364	ng	# 80
20) 4-Bromophenyl-phenylether	16.90	248	1856	0.356	ng	# 76
21) Hexachlorobenzene	17.02	284	1903	0.353	ng	# 83
22) Pentachlorophenol	17.36	266	704	0.534	ng	# 73
23) Phenanthrene	17.75	178	9336	0.360	ng	98
24) Anthracene	17.84	178	8611	0.361	ng	96
26) Fluoranthene	19.72	202	11193	0.350	ng	# 97
28) Pyrene	20.07	202	13076	0.376	ng	97
30) Benzo(a)anthracene	21.78	228	10458	0.377	ng	98
31) Chrysene	21.84	228	9844	0.356	ng	99
32) Bis(2-ethylhexyl)phthalate	21.66	149	23058	0.469	ng	100
33) Indeno(1,2,3-cd)pyrene	27.24	276	10288	0.385	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	9690	0.341	ng	# 89
36) Benzo(k)fluoranthene	23.66	252	9884	0.350	ng	94
37) Benzo(a)pyrene	24.30	252	9101	0.355	ng	# 92
38) Dibenzo(a,h)anthracene	27.25	278	8532	0.374	ng	97
39) Benzo(g,h,i)perylene	28.10	276	8625	0.353	ng	# 91

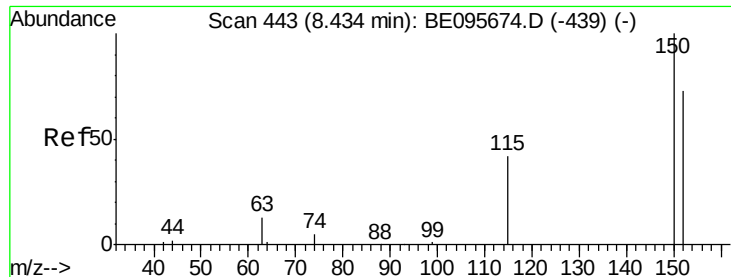
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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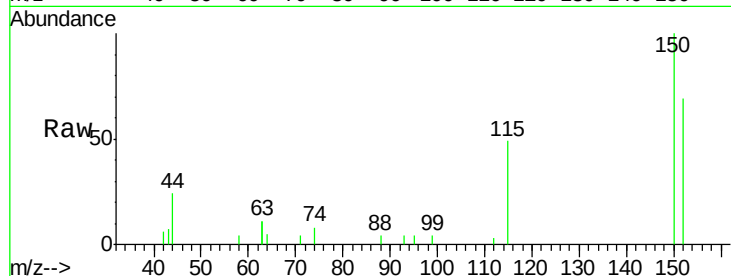


#1

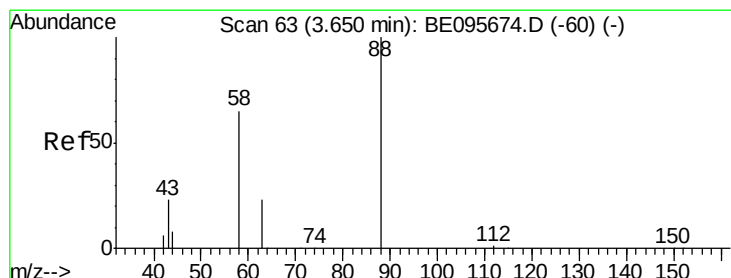
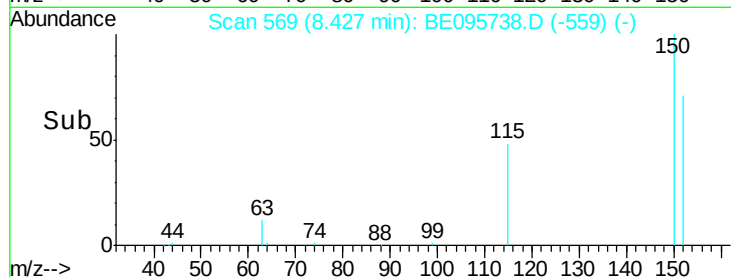
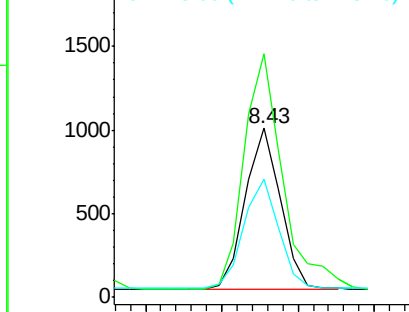
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095738.D
Acq: 12 Mar 2018 19:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:152 Resp: 1567
Ion Ratio Lower Upper
152 100
150 144.3 117.2 175.8
115 70.4 57.0 85.6



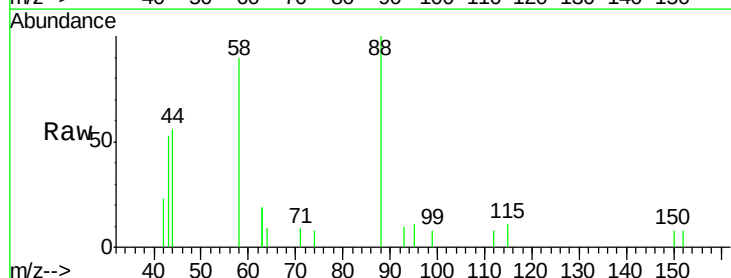
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



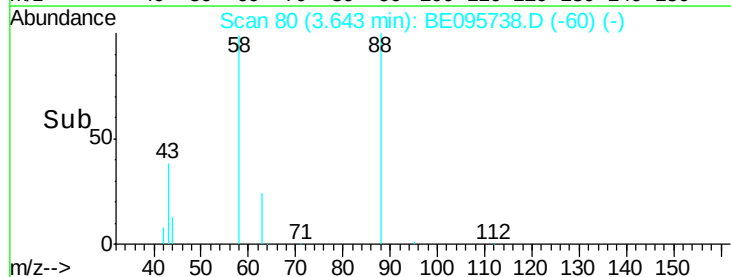
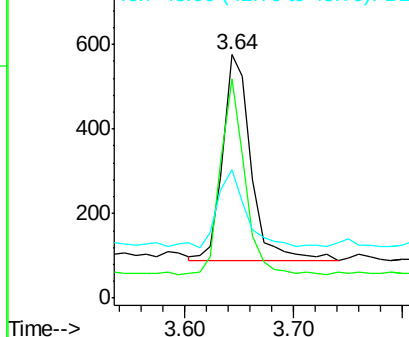
#2

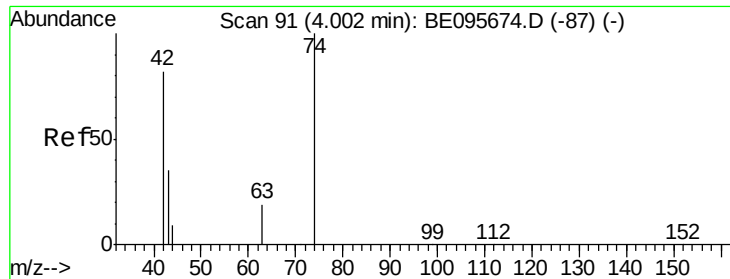
1,4-Dioxane
Concen: 0.354 ng
RT: 3.64 min Scan# 80
Delta R.T. -0.01 min
Lab File: BE095738.D
Acq: 12 Mar 2018 19:54

Tgt Ion: 88 Resp: 873
Ion Ratio Lower Upper
88 100
58 80.6 63.2 94.8
43 36.4 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



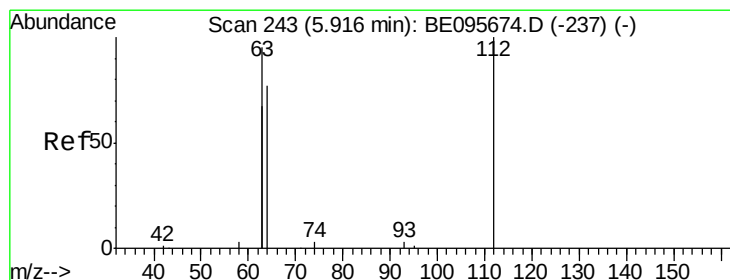
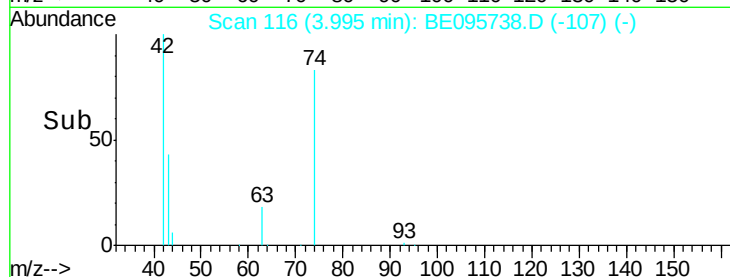
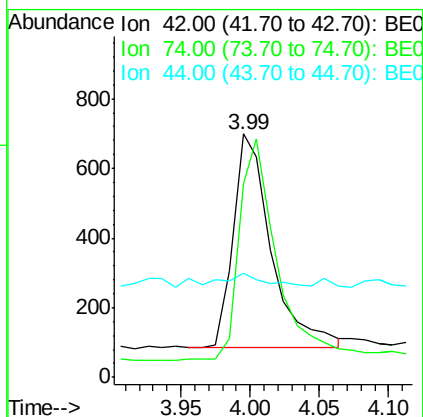
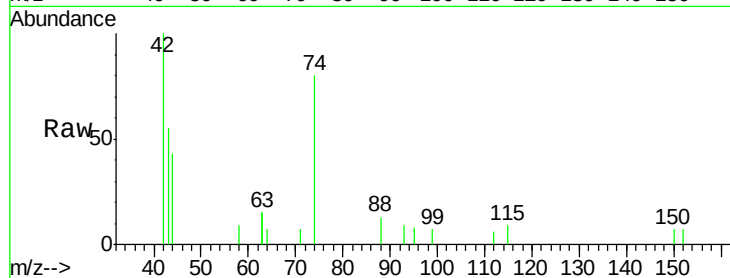


#3

n-Nitrosodimethylamine
 Concen: 0.382 ng
 RT: 3.99 min Scan# 116
 Delta R.T. -0.01 min
 Lab File: BE095738.D
 Acq: 12 Mar 2018 19:54

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

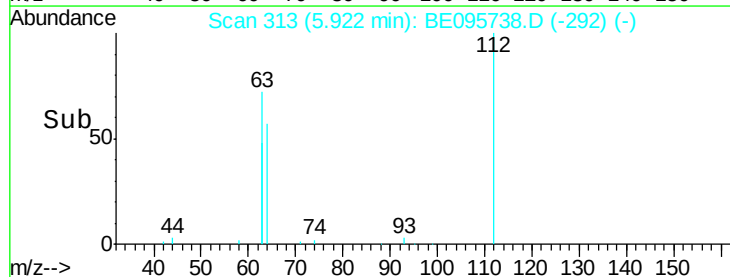
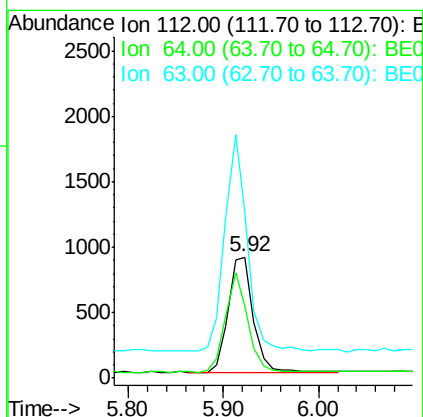
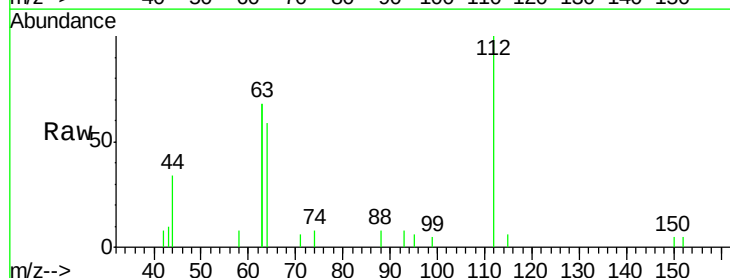
Tot Ion: 42 Resp: 1169
 Ion Ratio Lower Upper
 42 100
 74 103.3 96.0 144.0
 44 6.3 12.0 18.0#

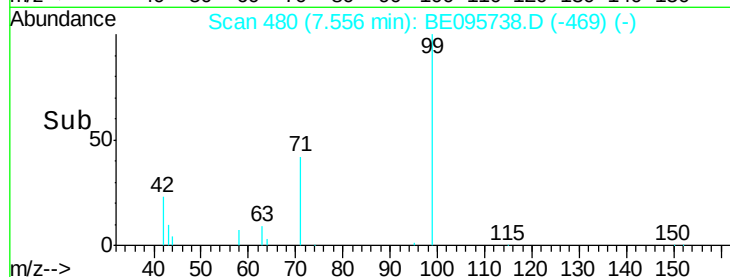
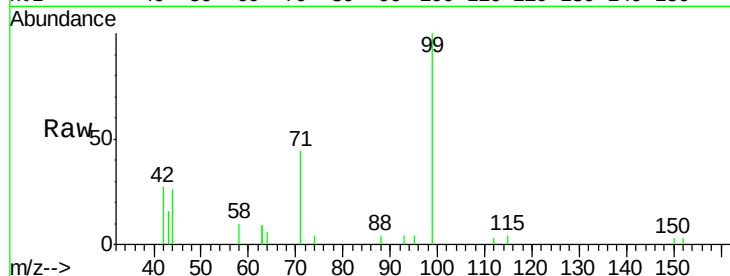
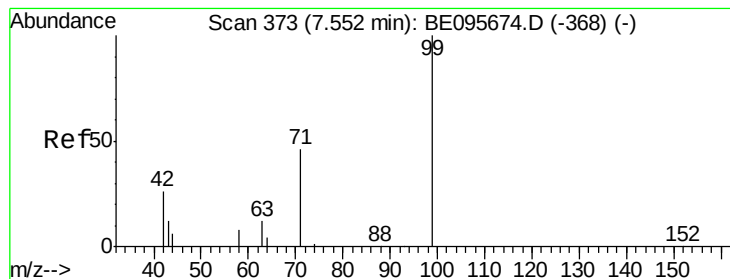


#4

2-Fluorophenol
 Concen: 0.388 ng
 RT: 5.92 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: BE095738.D
 Acq: 12 Mar 2018 19:54

Tgt Ion: 112 Resp: 1605
 Ion Ratio Lower Upper
 112 100
 64 75.6 60.1 90.1
 63 165.4 116.8 175.2





#5

Phenol-d6

Concen: 0.430 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

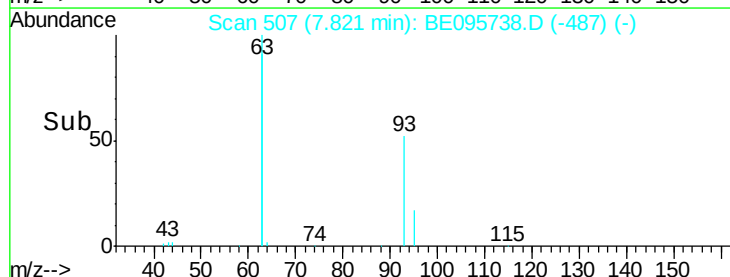
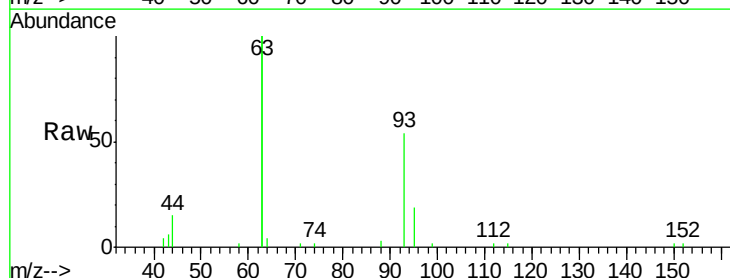
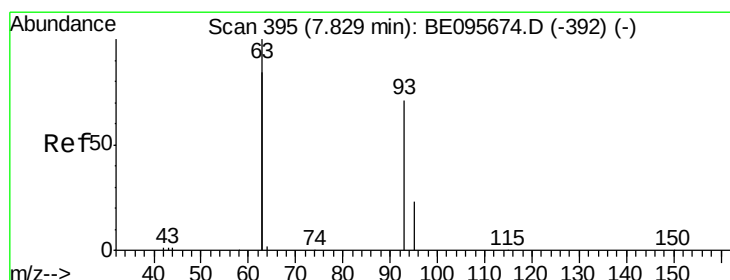
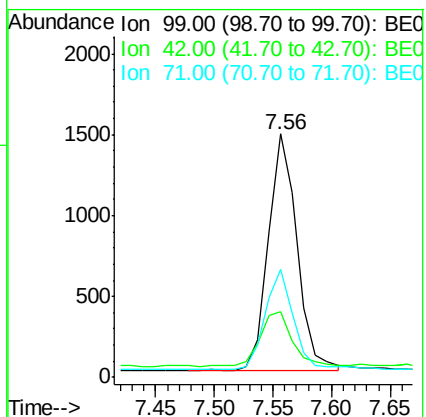
Tot Ion: 99 Resp: 2465

Ion Ratio Lower Upper

99 100

42 26.3 20.2 30.2

71 42.0 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.371 ng

RT: 7.82 min Scan# 507

Delta R.T. -0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

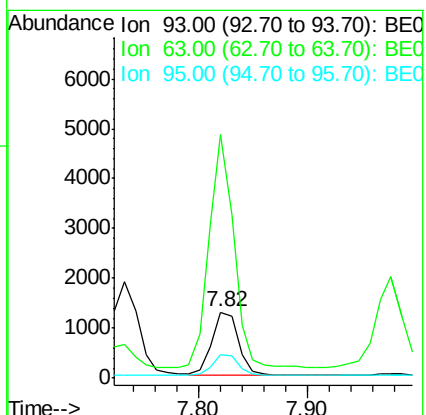
Tgt Ion: 93 Resp: 2179

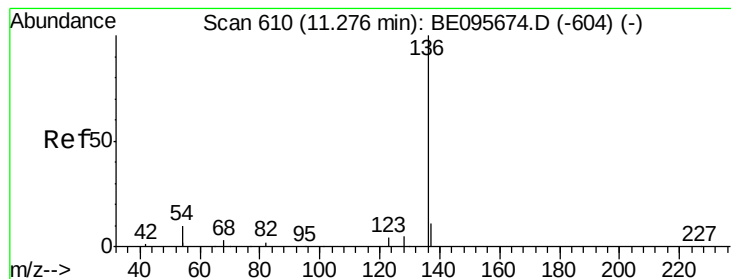
Ion Ratio Lower Upper

93 100

63 335.1 275.3 412.9

95 33.2 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: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 6515

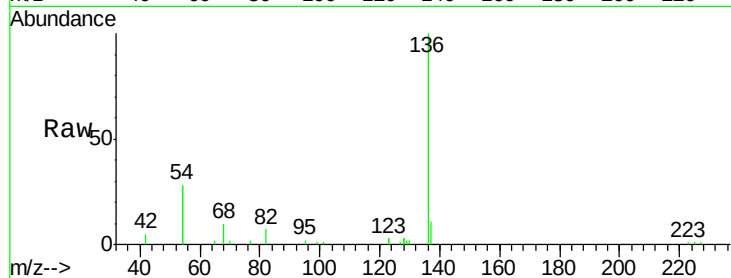
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 56.2 29.1 43.7#

68 10.4 6.2 9.2#

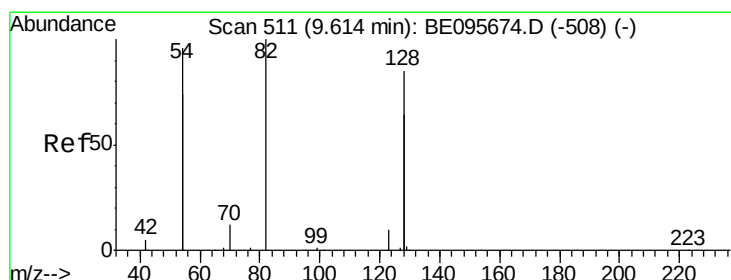
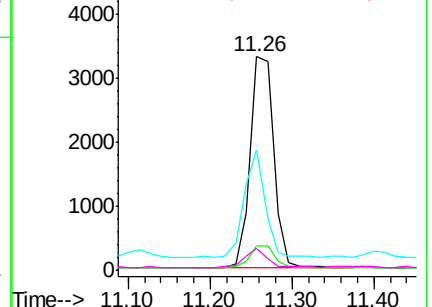
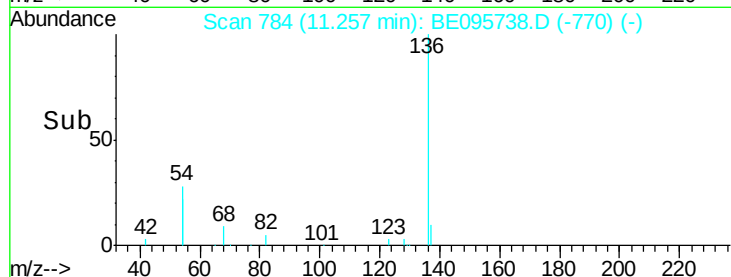


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.375 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

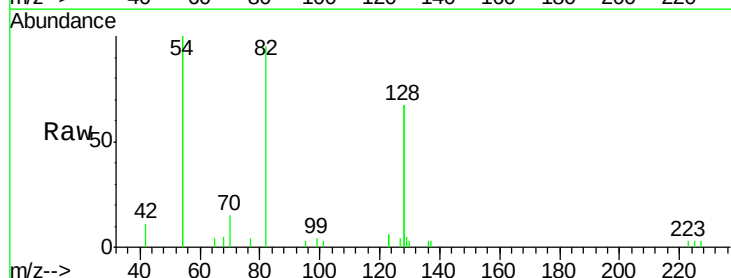
Tgt Ion: 82 Resp: 2515

Ion Ratio Lower Upper

82 100

128 141.4 150.0 225.0#

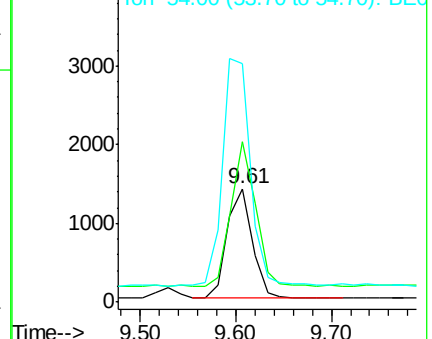
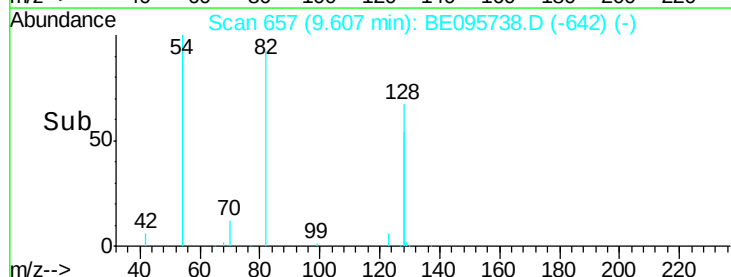
54 210.3 154.2 231.4

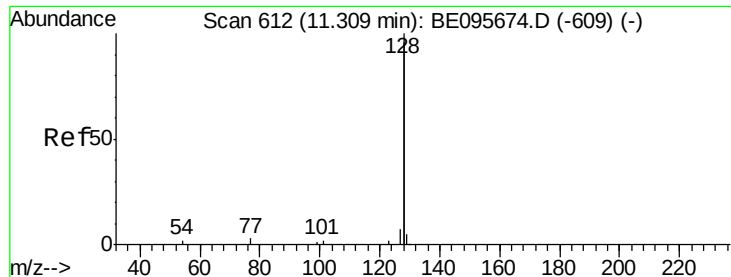


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.364 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

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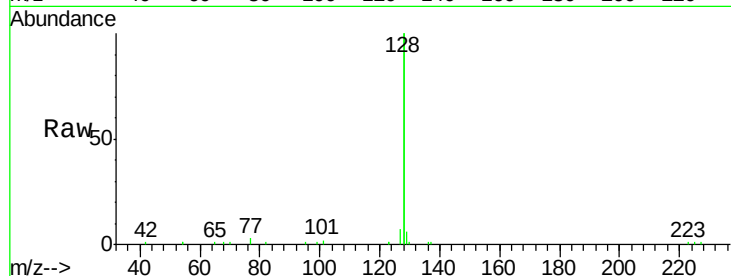
Tot Ion:128 Resp: 27368

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

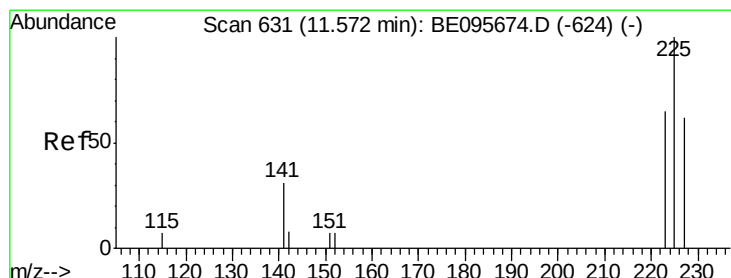
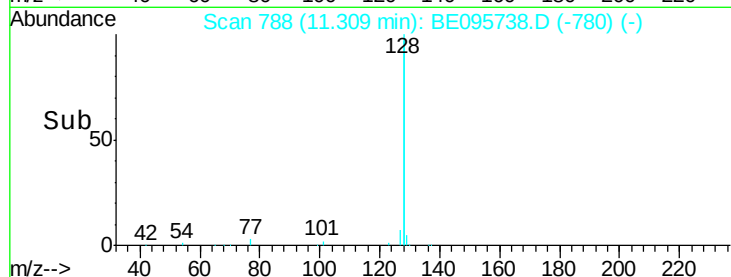
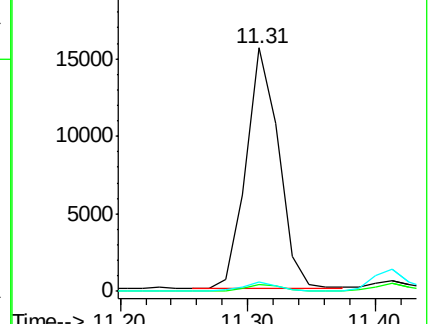
127 3.7 2.8 4.2



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: 0.394 ng

RT: 11.57 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

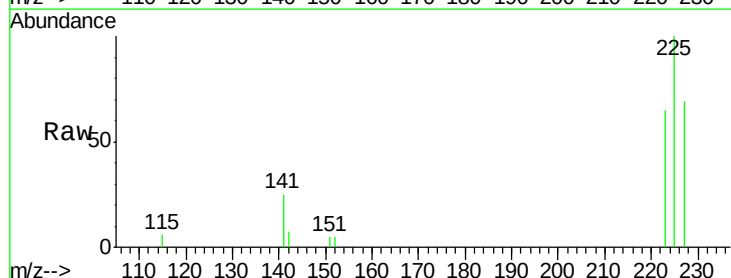
Tgt Ion:225 Resp: 1727

Ion Ratio Lower Upper

225 100

223 67.9 53.0 79.6

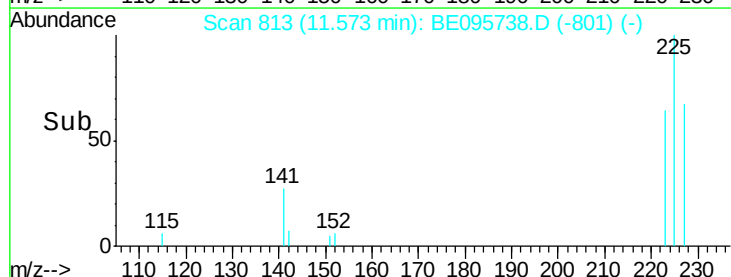
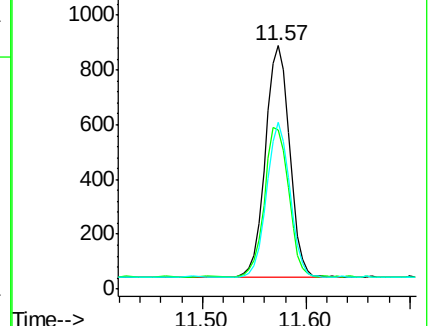
227 50.4 51.4 77.2#

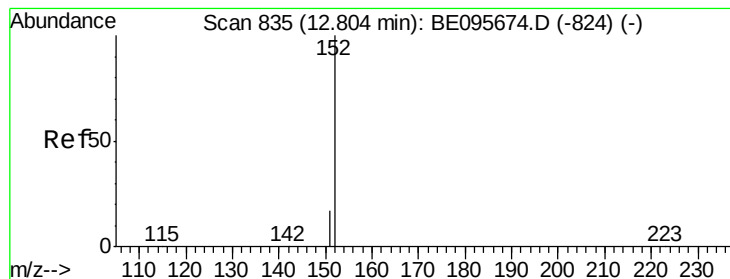


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

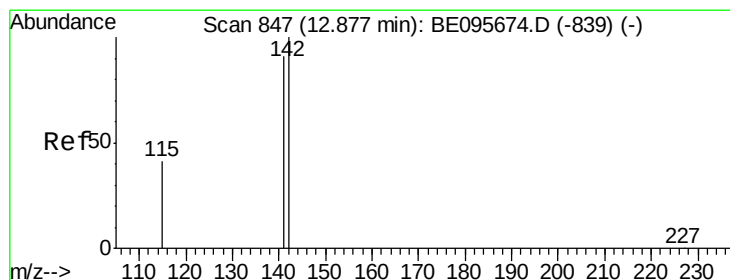
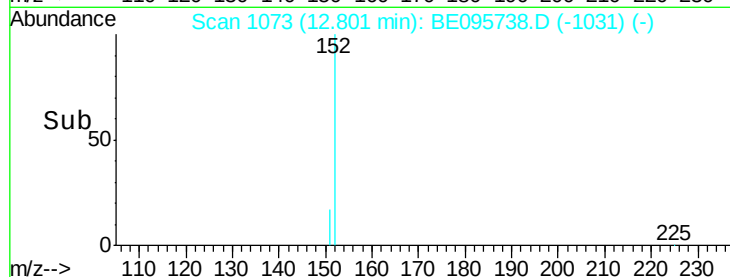
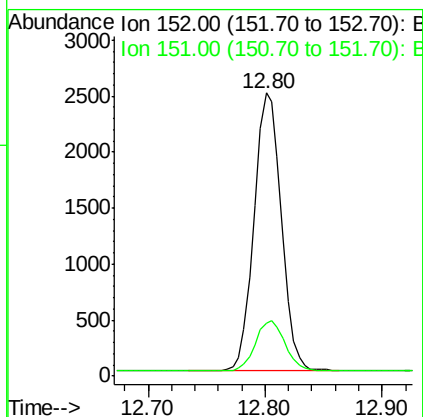
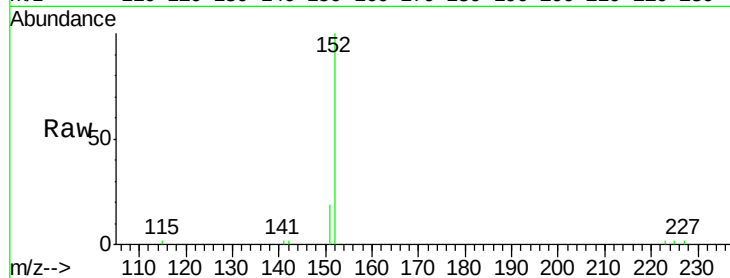




#11
 2-Methylnaphthalene-d10
 Concen: 0.367 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE095738.D
 Acq: 12 Mar 2018 19:54

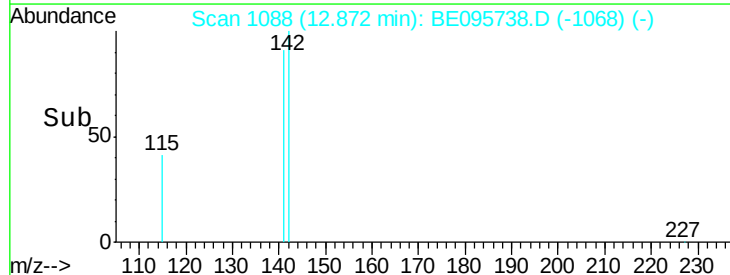
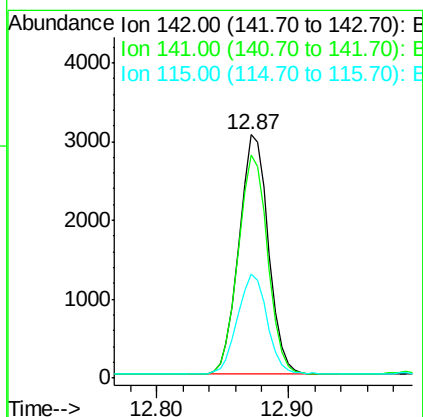
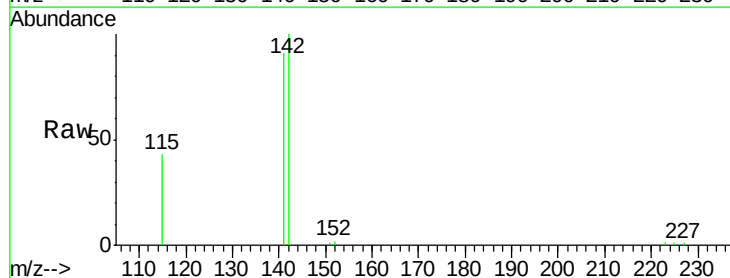
Instrument :
 BNA_E
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 SSTDCCC0.4EC

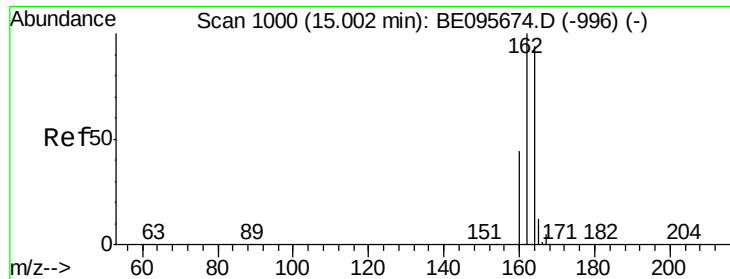
Tot Ion:152 Resp: 3995
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.365 ng
 RT: 12.87 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BE095738.D
 Acq: 12 Mar 2018 19:54

Tgt Ion:142 Resp: 4730
 Ion Ratio Lower Upper
 142 100
 141 91.4 70.4 105.6
 115 42.7 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: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

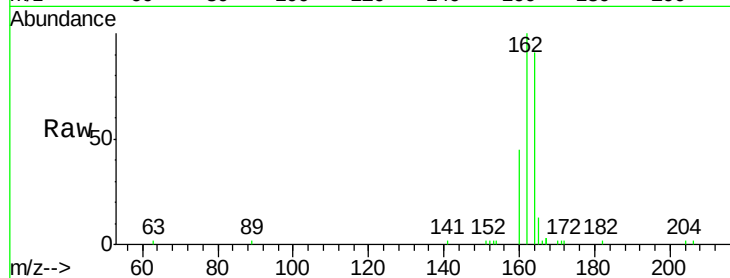
Tot Ion:164 Resp: 3802

Ion Ratio Lower Upper

164 100

162 110.0 83.1 124.7

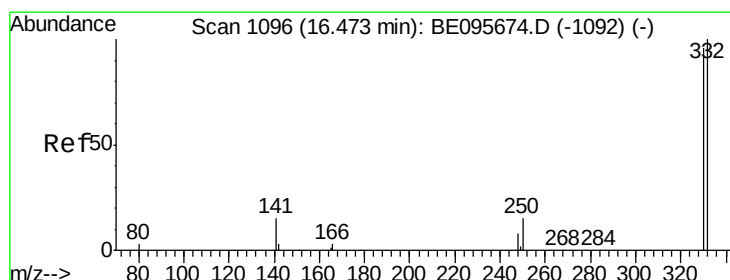
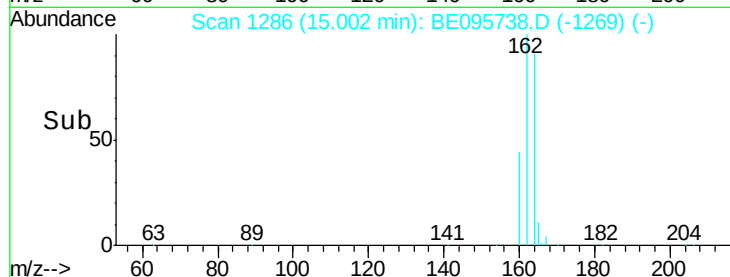
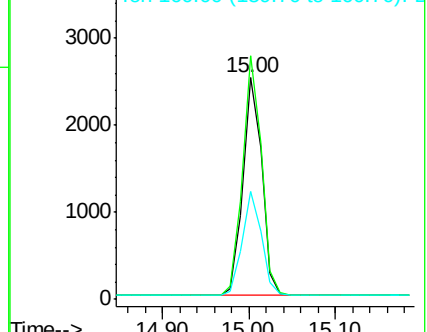
160 49.0 37.1 55.7



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: 0.445 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

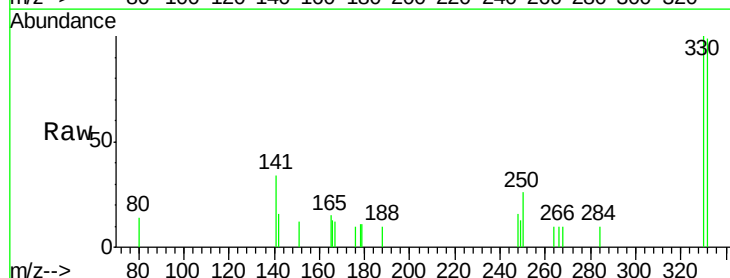
Tgt Ion:330 Resp: 599

Ion Ratio Lower Upper

330 100

332 100.2 152.7 229.1#

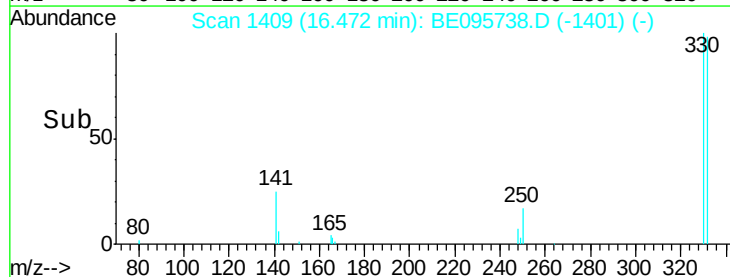
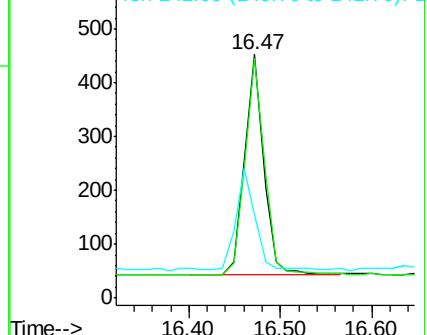
141 46.1 33.7 50.5

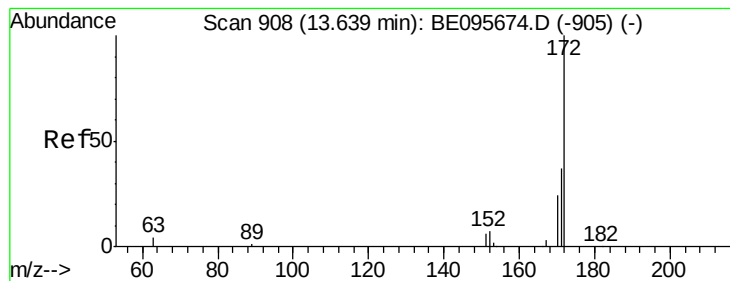


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.353 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

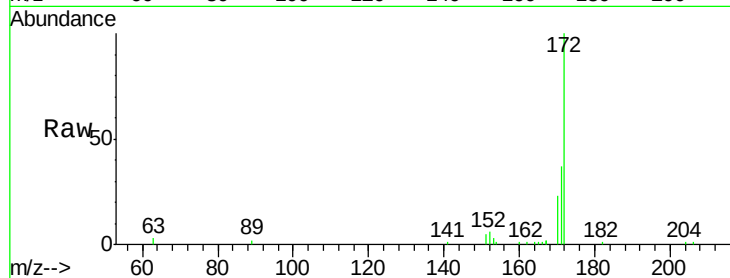
Tot Ion:172 Resp: 5992

Ion Ratio Lower Upper

172 100

171 36.8 29.9 44.9

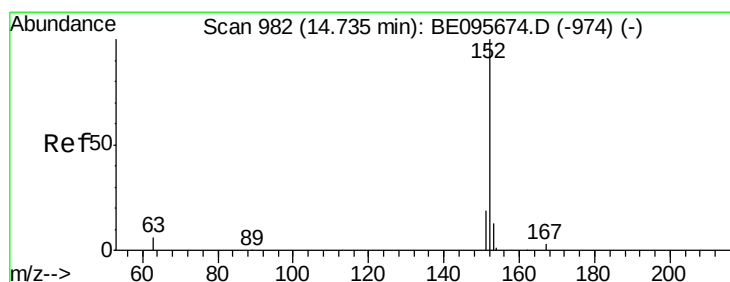
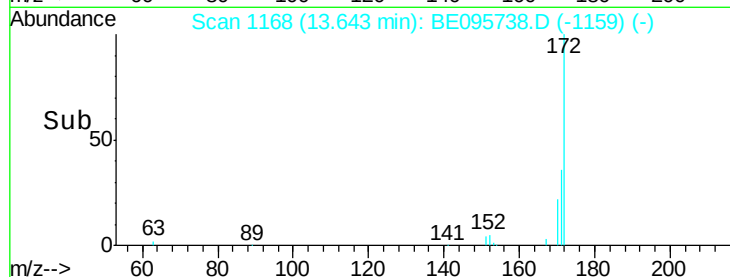
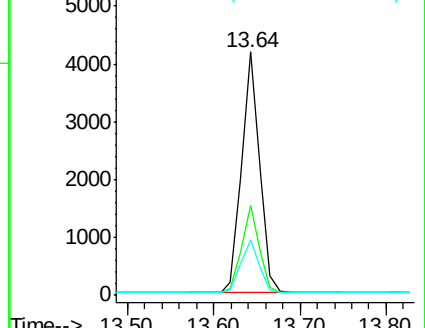
170 22.9 21.8 32.8



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: 0.361 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

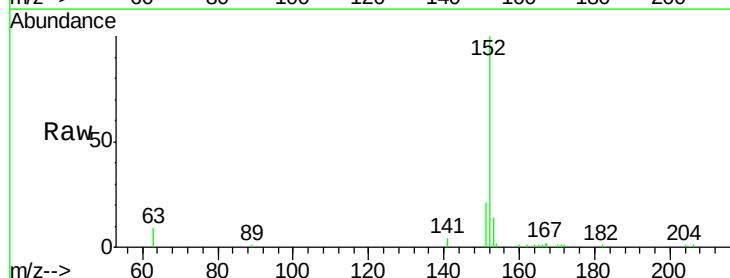
Tgt Ion:152 Resp: 7712

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

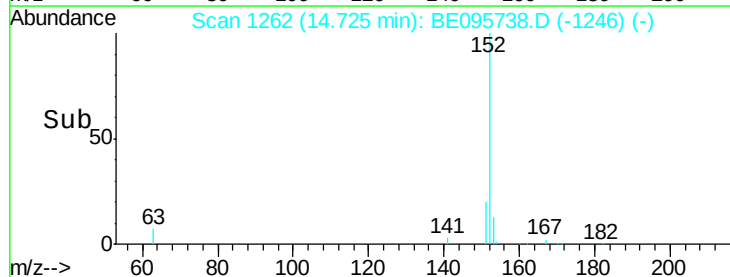
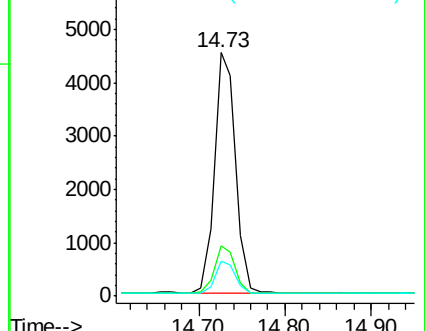
153 13.5 10.5 15.7

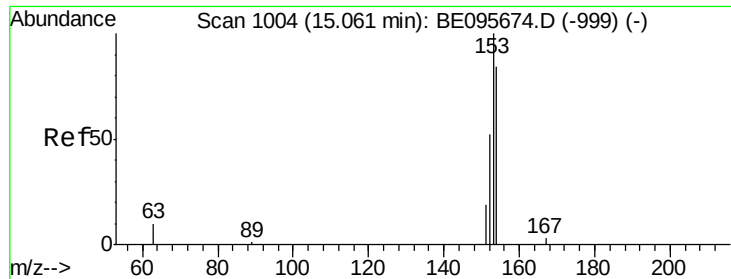


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

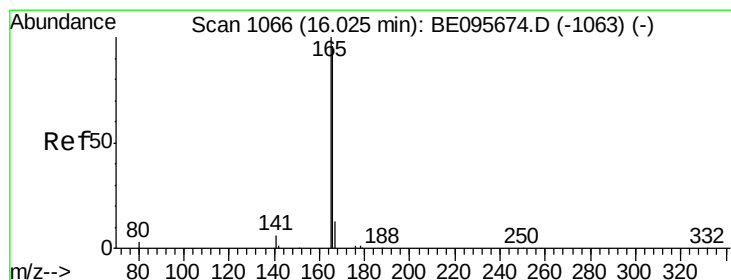
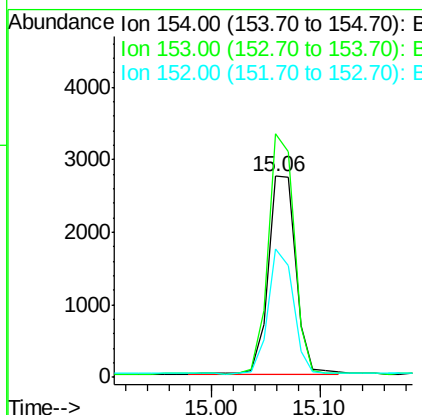
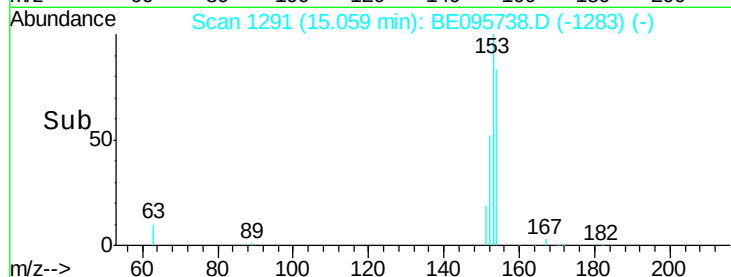
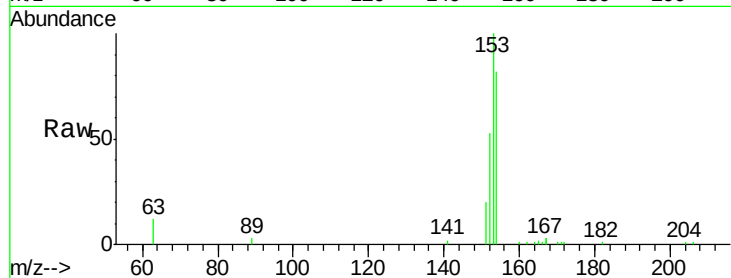




#17
Acenaphthene
Concen: 0.359 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095738.D
Acq: 12 Mar 2018 19:54

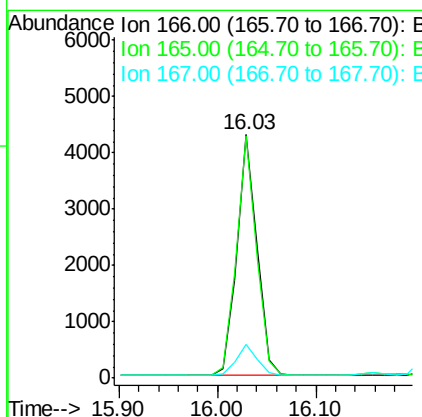
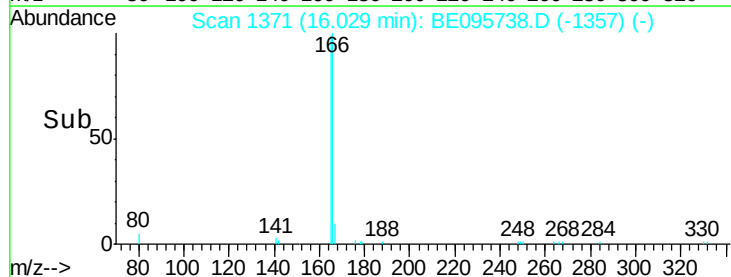
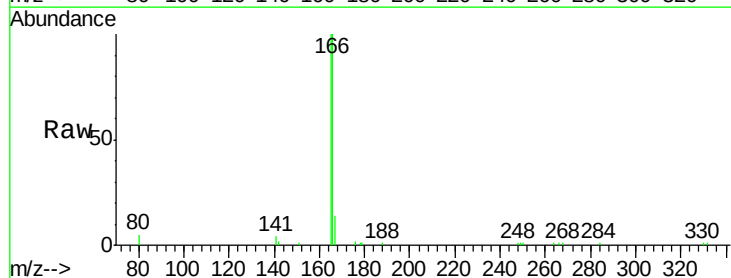
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

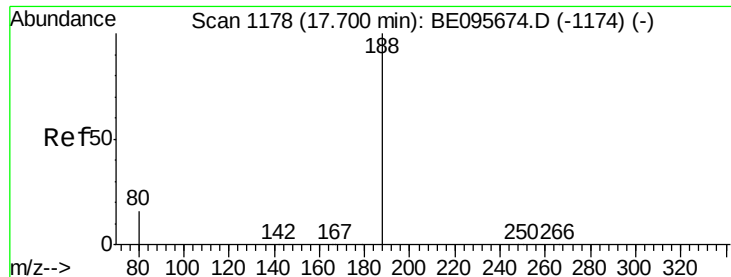
Tot Ion:154 Resp: 4818
Ion Ratio Lower Upper
154 100
153 115.1 89.2 133.8
152 58.6 42.0 63.0



#18
Fluorene
Concen: 0.364 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE095738.D
Acq: 12 Mar 2018 19:54

Tgt Ion:166 Resp: 6050
Ion Ratio Lower Upper
166 100
165 98.4 77.8 116.6
167 13.6 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: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

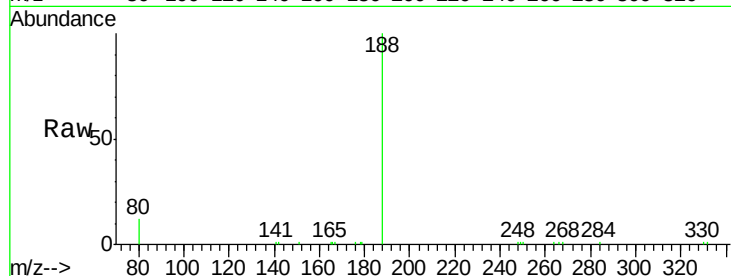
Tot Ion:188 Resp: 8306

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

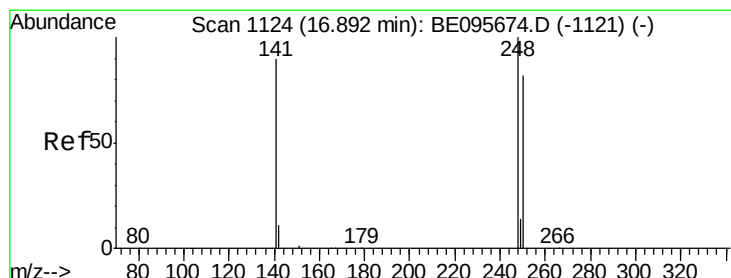
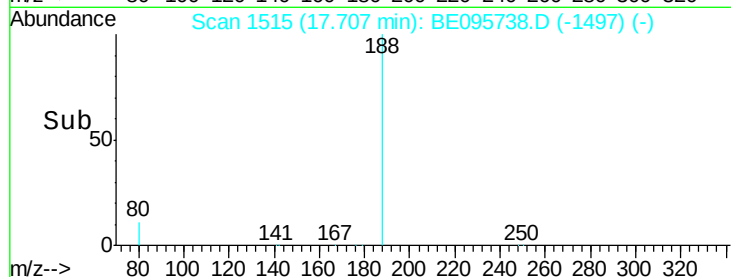
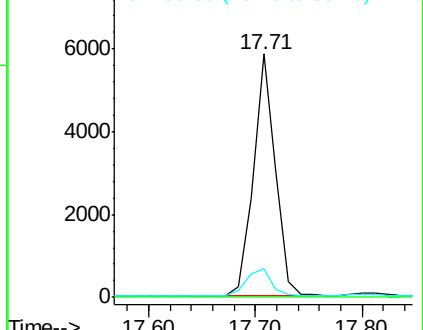
80 11.8 3.6 5.4#



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: 0.356 ng

RT: 16.90 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

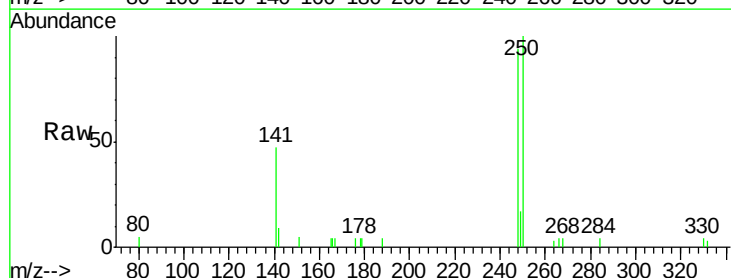
Tgt Ion:248 Resp: 1856

Ion Ratio Lower Upper

248 100

250 106.0 62.7 94.1#

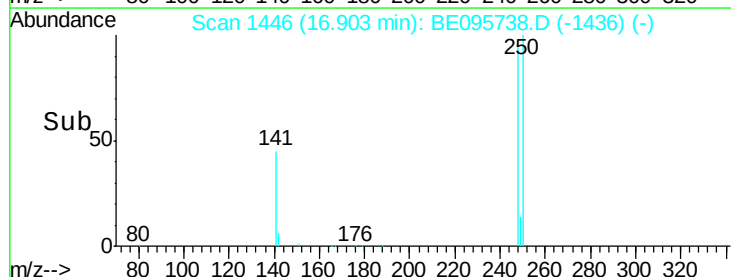
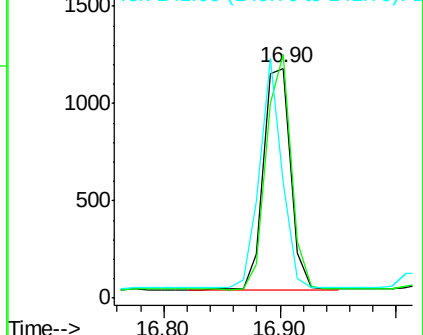
141 50.3 48.2 72.2

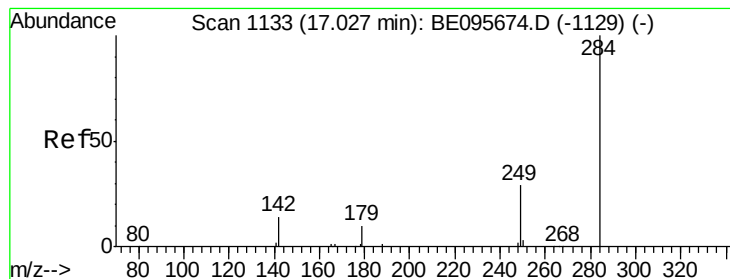


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.353 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

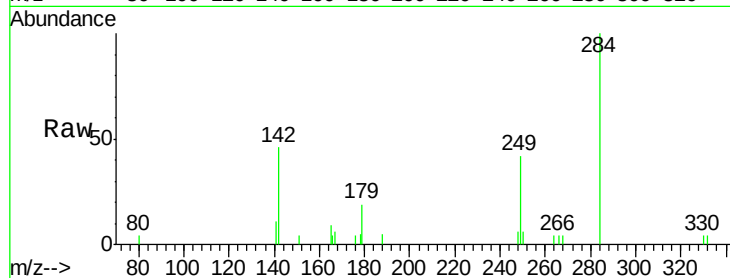
Tot Ion:284 Resp: 1903

Ion Ratio Lower Upper

284 100

142 41.4 22.1 33.1#

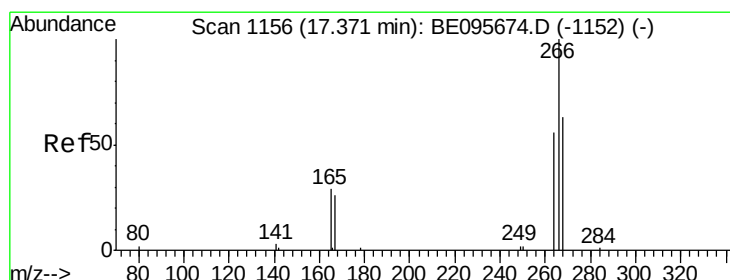
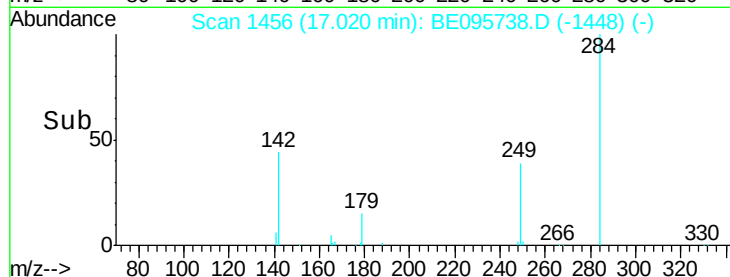
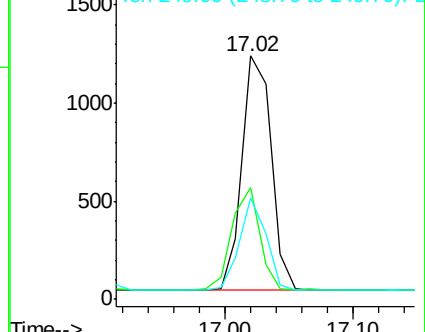
249 35.9 34.8 52.2



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: 0.534 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

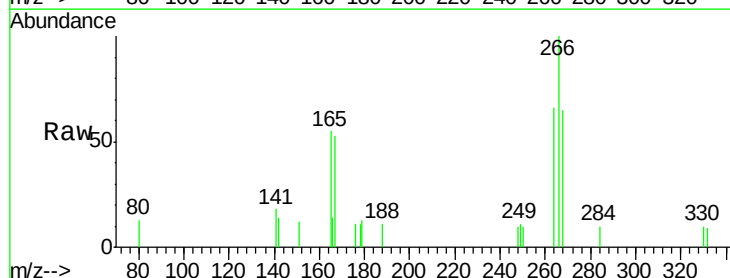
Tgt Ion:266 Resp: 704

Ion Ratio Lower Upper

266 100

264 65.5 72.5 108.7#

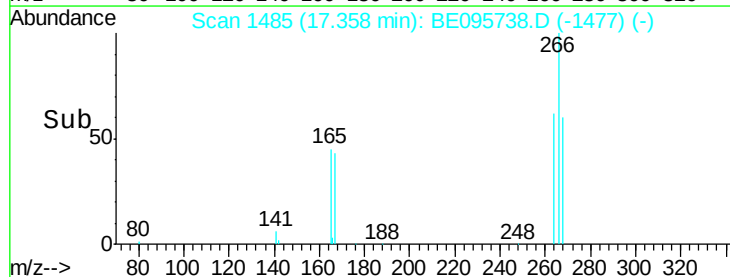
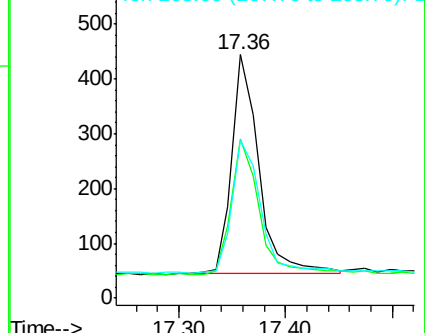
268 65.1 73.8 110.6#

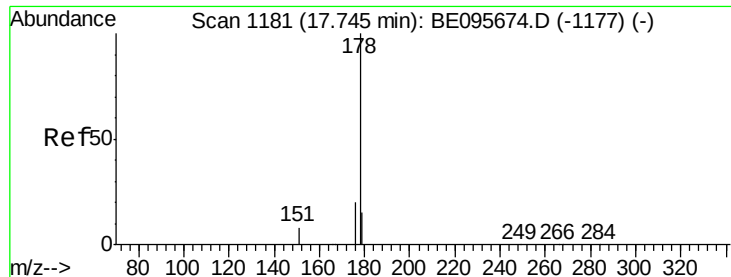


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.360 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

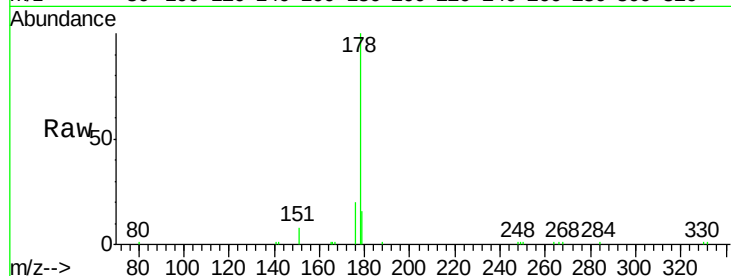
Tot Ion:178 Resp: 9336

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

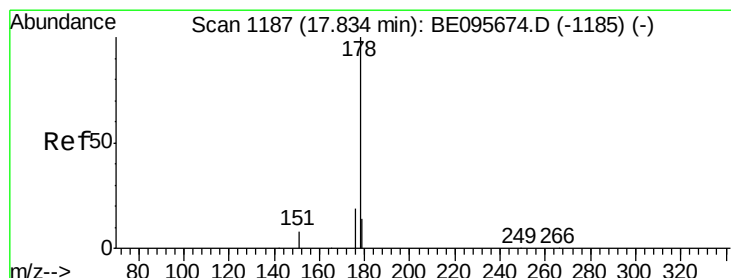
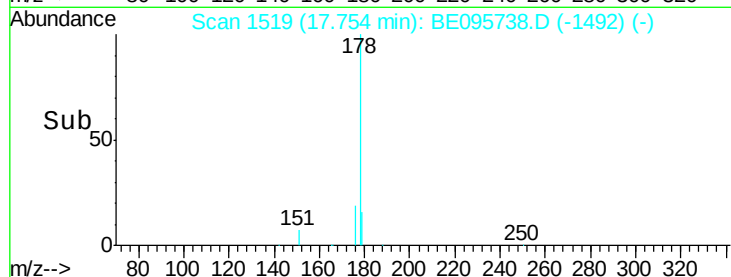
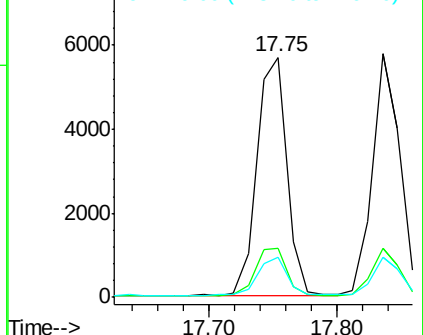
179 15.1 11.8 17.6



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: 0.361 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

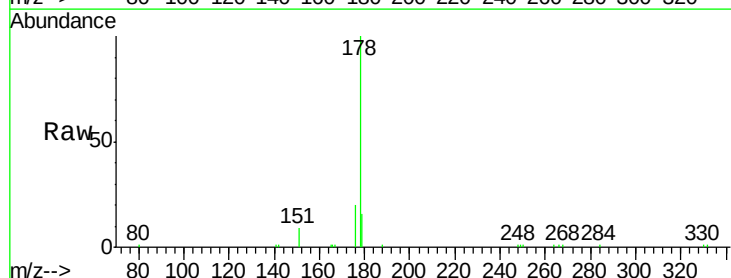
Tgt Ion:178 Resp: 8611

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2

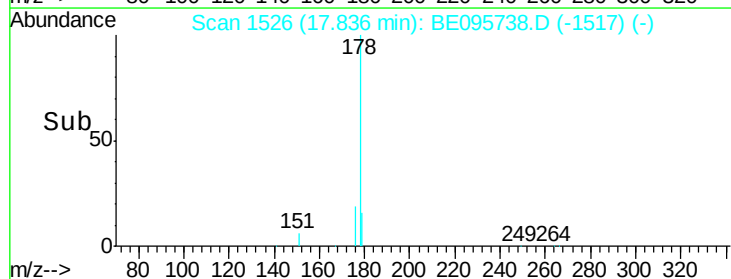
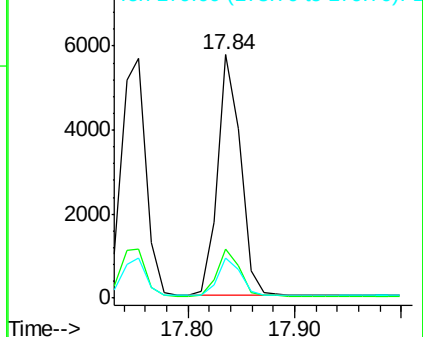
179 15.7 13.0 19.6

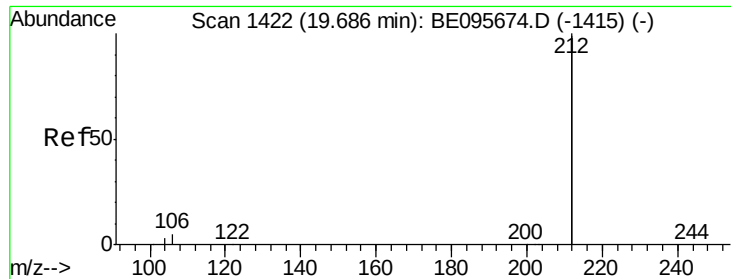


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

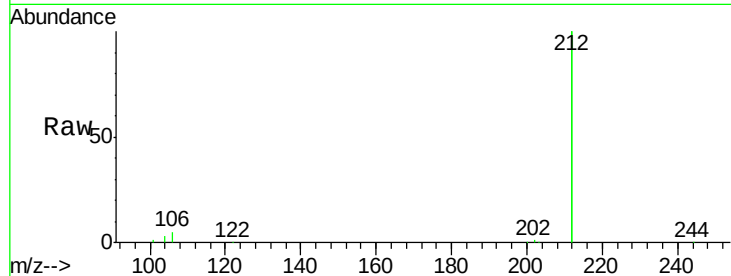
Tot Ion:212 Resp: 38883

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

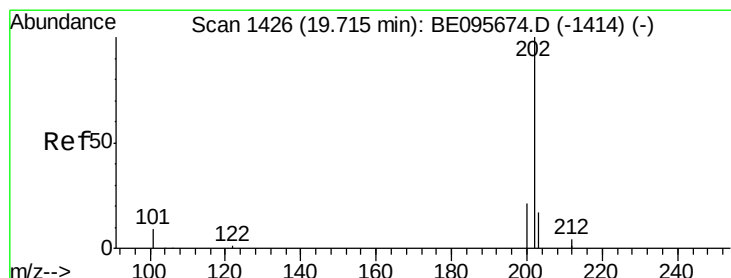
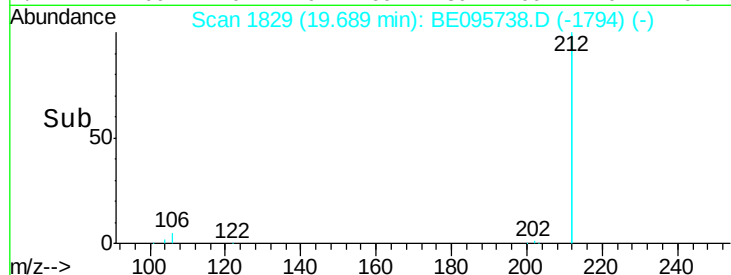
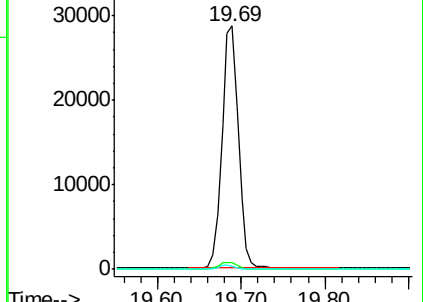
104 1.6 1.6 2.4



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: 0.350 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

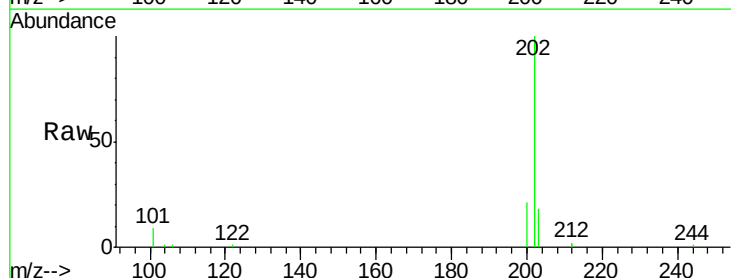
Tgt Ion:202 Resp: 11193

Ion Ratio Lower Upper

202 100

101 9.7 9.8 14.8#

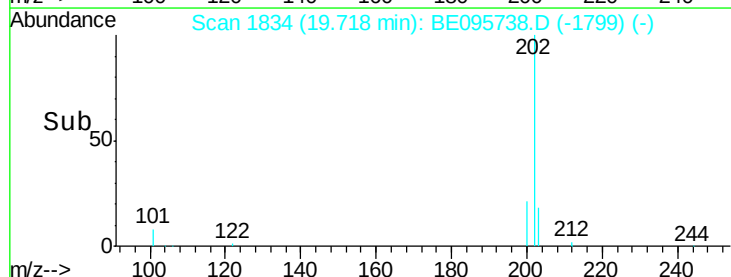
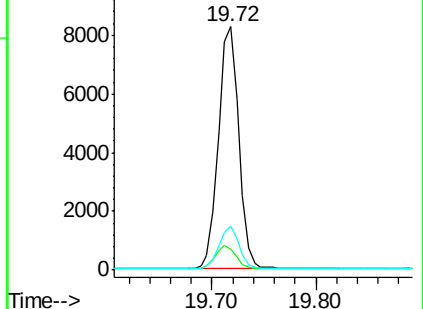
203 17.0 13.7 20.5

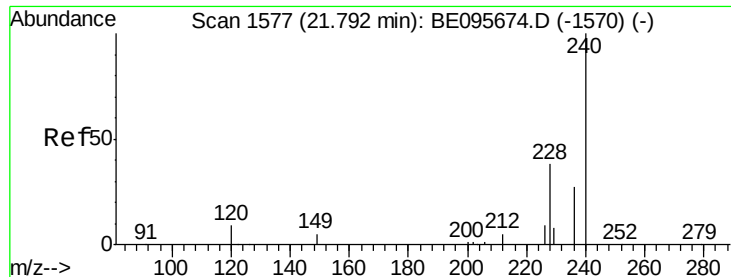


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

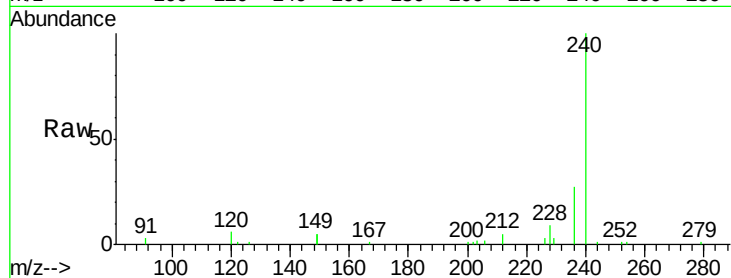
Tot Ion:240 Resp: 8511

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

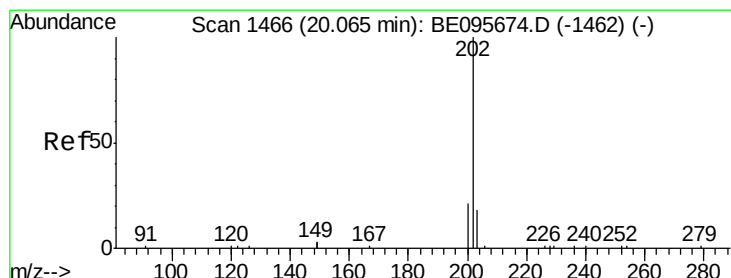
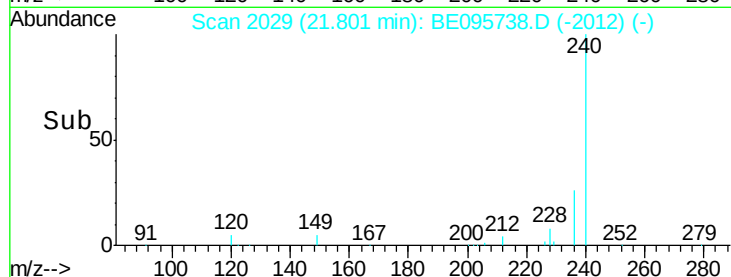
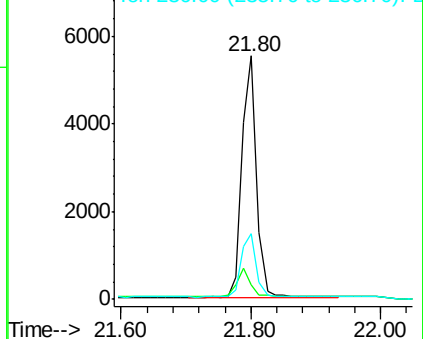
236 26.7 20.7 31.1



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: 0.376 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

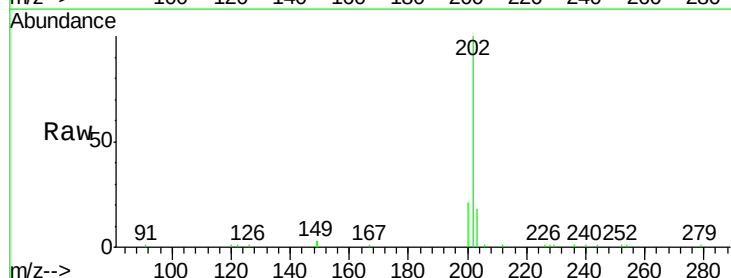
Tgt Ion:202 Resp: 13076

Ion Ratio Lower Upper

202 100

200 21.5 16.6 25.0

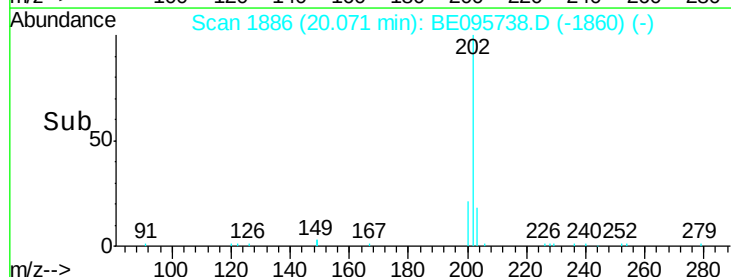
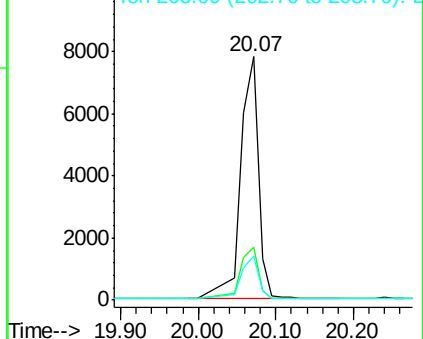
203 19.7 13.8 20.8

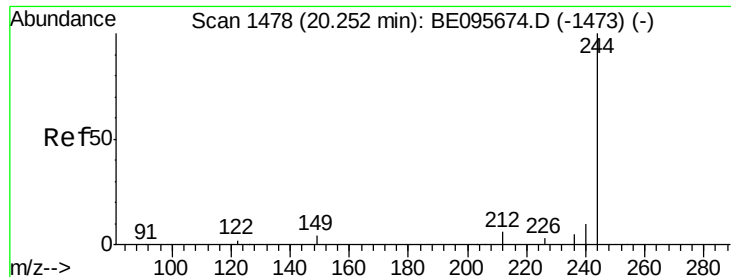


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.371 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

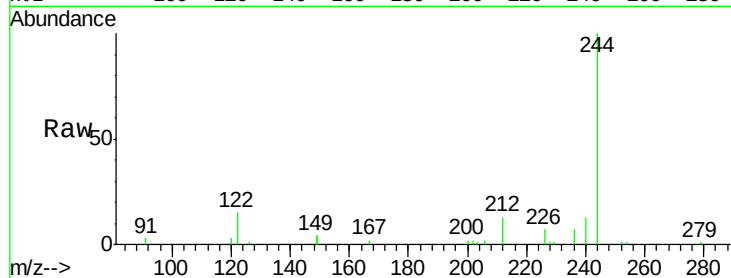
Tot Ion:244 Resp: 6294

Ion Ratio Lower Upper

244 100

212 12.8 25.4 38.0#

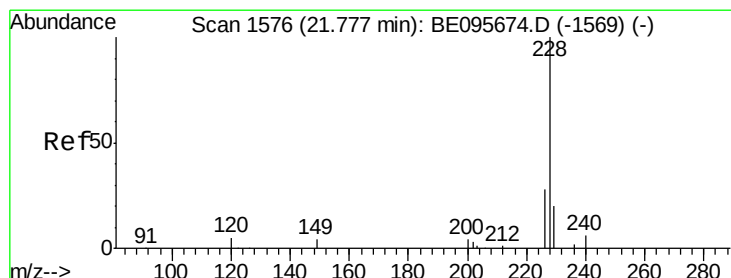
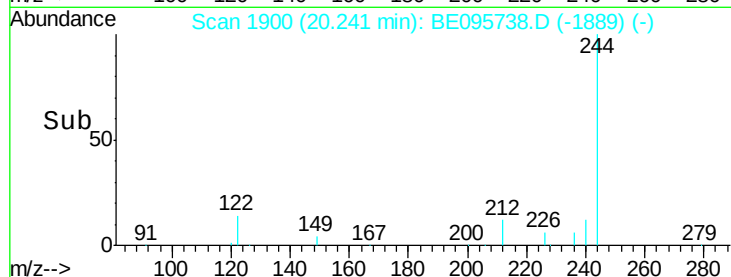
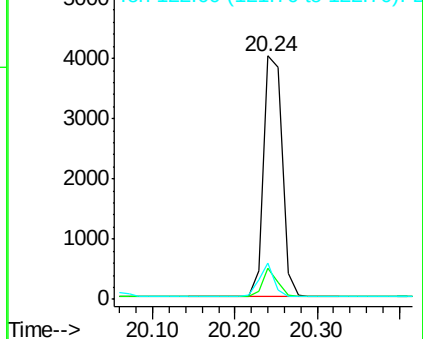
122 14.7 8.1 12.1#



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: 0.377 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

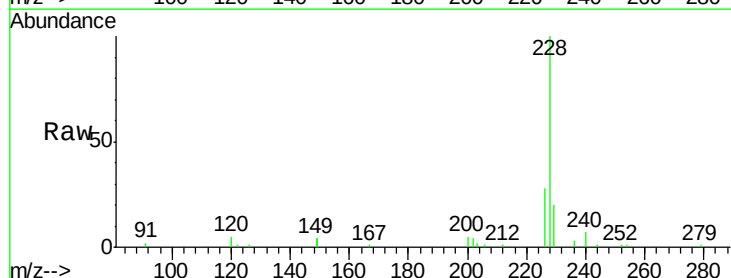
Tgt Ion:228 Resp: 10458

Ion Ratio Lower Upper

228 100

226 28.1 24.0 36.0

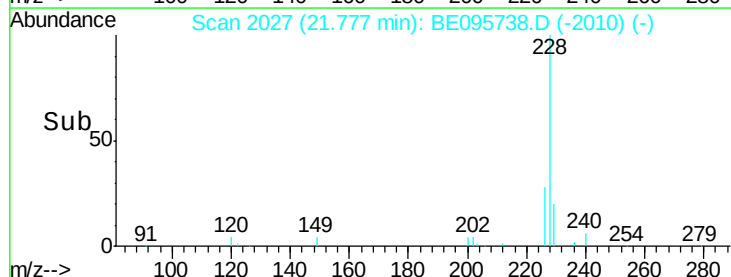
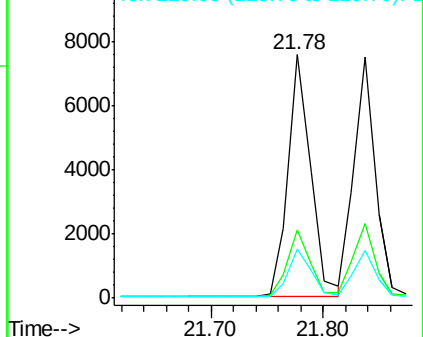
229 20.3 16.0 24.0

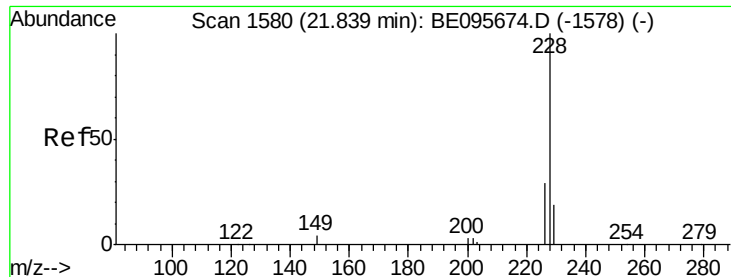


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

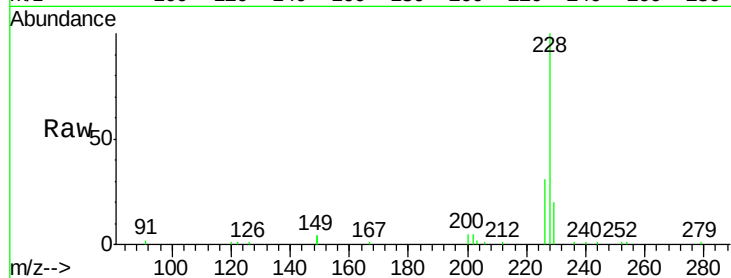
Tot Ion:228 Resp: 9844

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

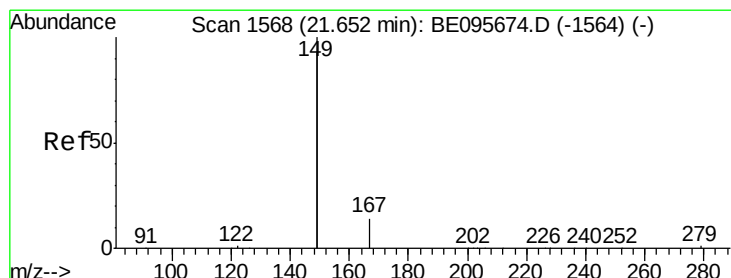
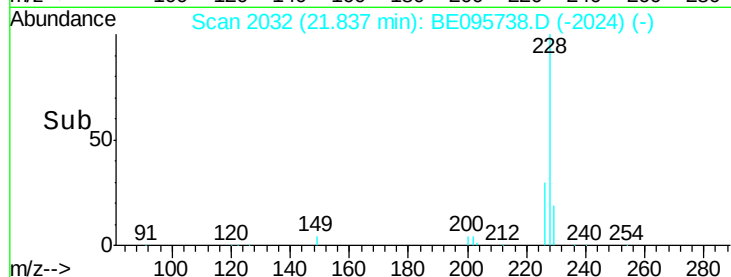
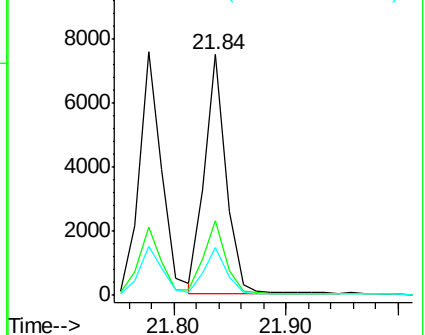
229 20.0 16.0 24.0



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: 0.469 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

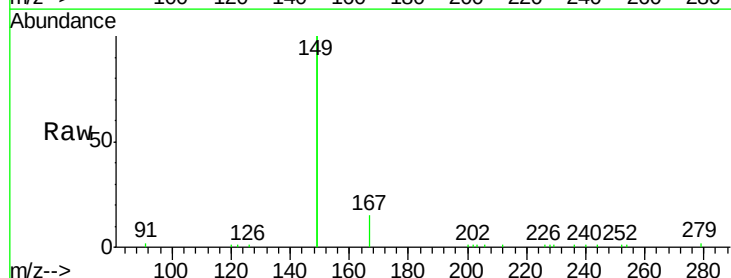
Tgt Ion:149 Resp: 23058

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

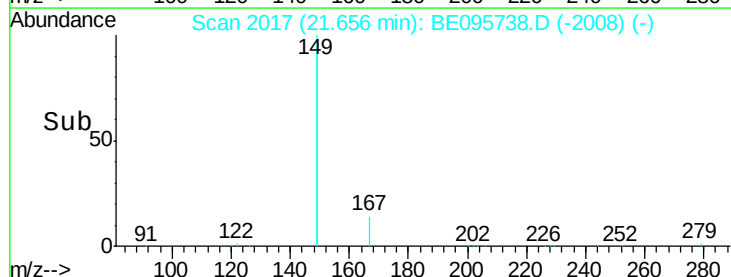
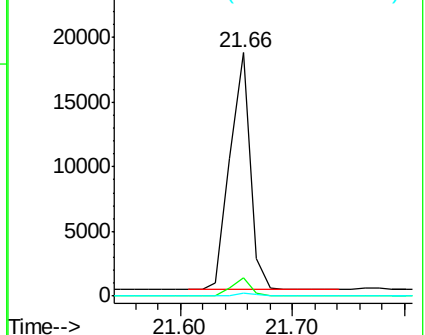
279 0.8 0.7 1.1

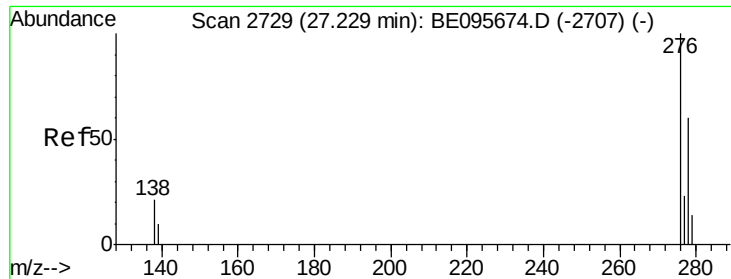


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

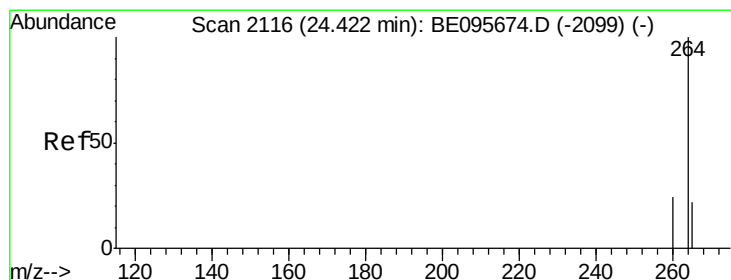
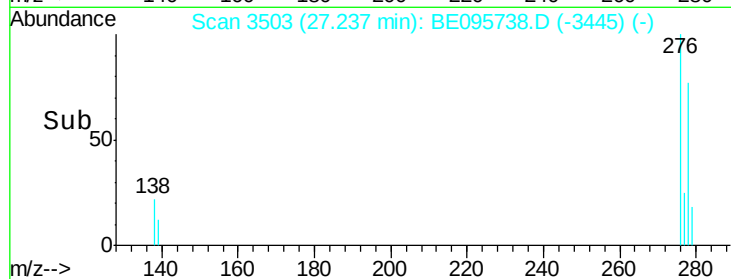
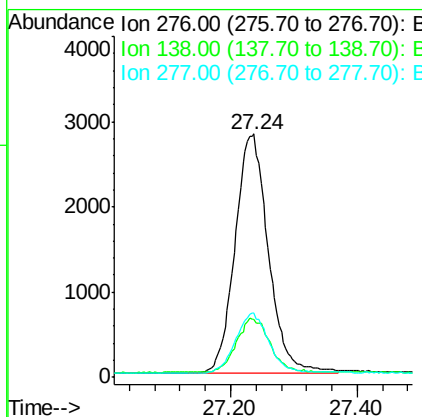
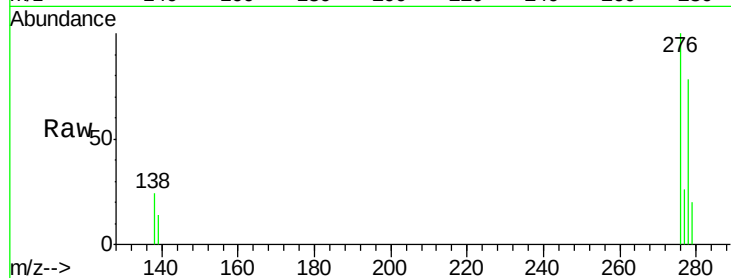




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.385 ng
RT: 27.24 min Scan# 3503
Delta R.T. 0.01 min
Lab File: BE095738.D
Acq: 12 Mar 2018 19:54

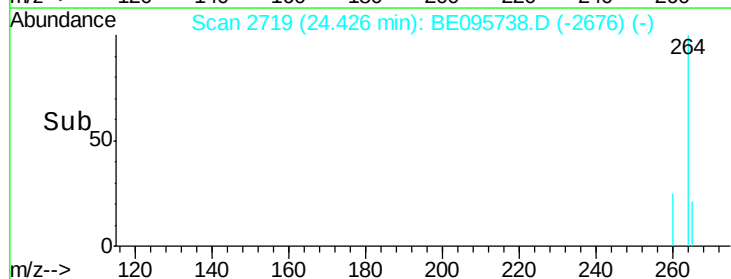
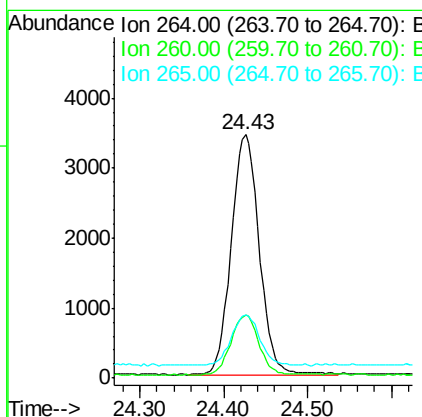
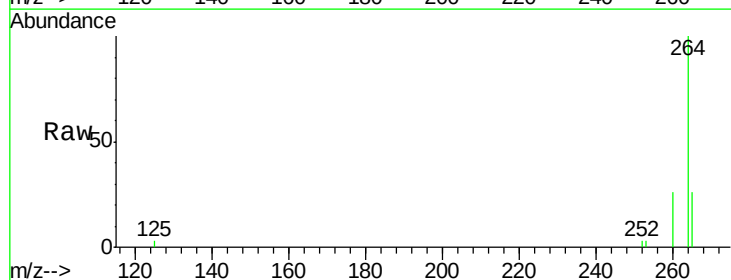
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

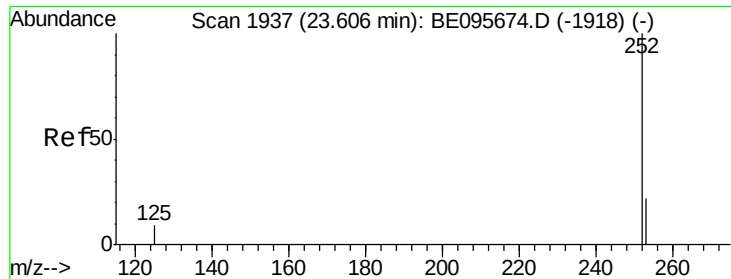
Tot Ion:276 Resp: 10288
Ion Ratio Lower Upper
276 100
138 22.4 22.5 33.7#
277 24.7 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095738.D
Acq: 12 Mar 2018 19:54

Tgt Ion:264 Resp: 7981
Ion Ratio Lower Upper
264 100
260 26.0 20.5 30.7
265 26.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.341 ng

RT: 23.61 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

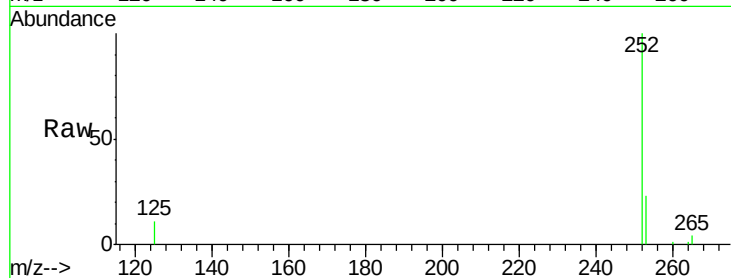
Tot Ion:252 Resp: 9690

Ion Ratio Lower Upper

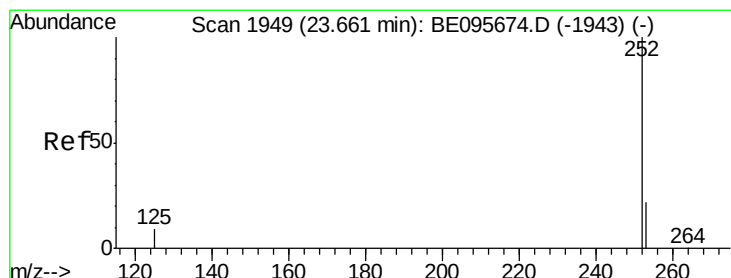
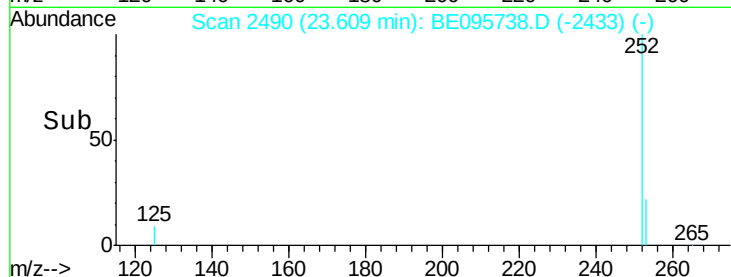
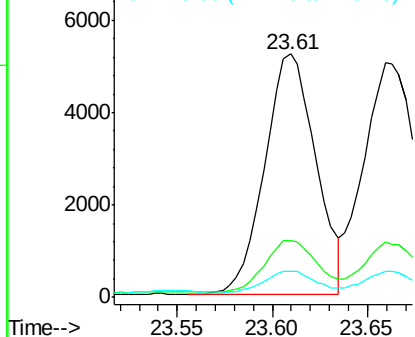
252 100

253 23.2 20.0 30.0

125 10.9 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: 0.350 ng

RT: 23.66 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

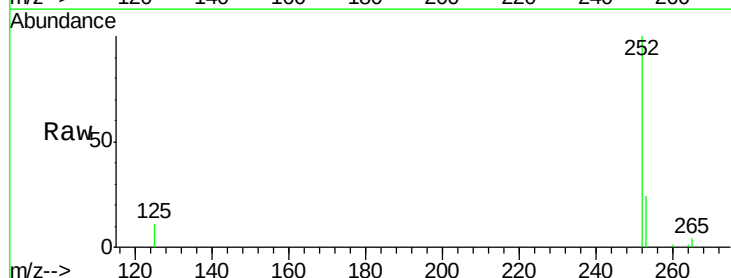
Tgt Ion:252 Resp: 9884

Ion Ratio Lower Upper

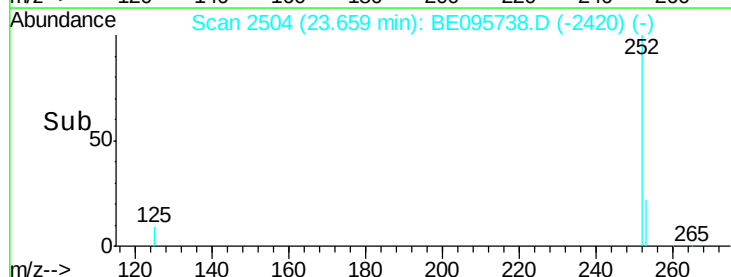
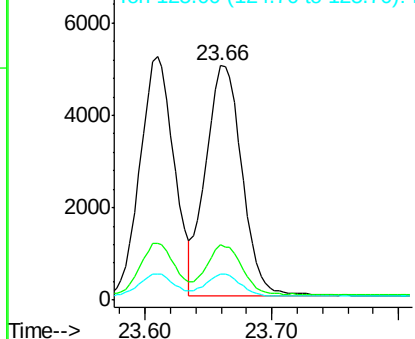
252 100

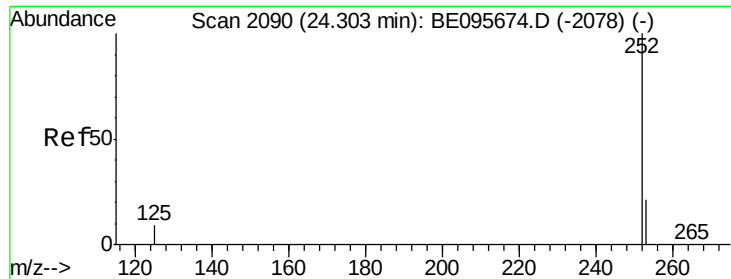
253 23.5 16.0 24.0

125 10.9 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: 0.355 ng

RT: 24.30 min Scan# 2685

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

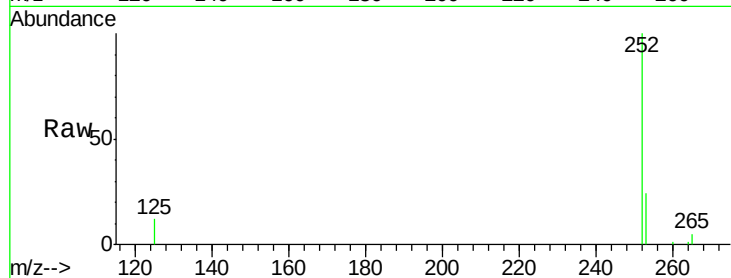
Tot Ion:252 Resp: 9101

Ion Ratio Lower Upper

252 100

253 23.6 16.0 24.0

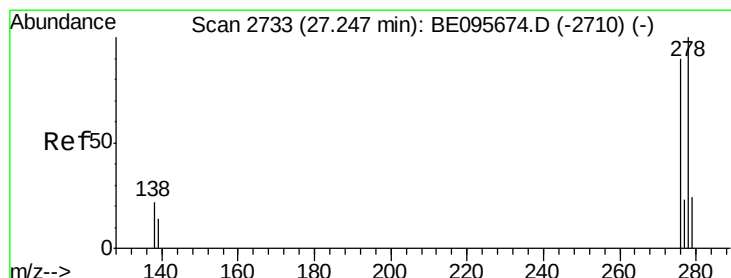
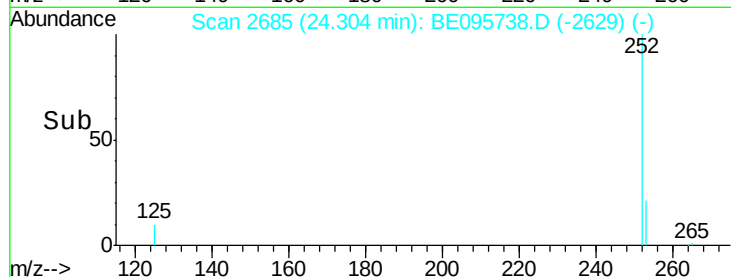
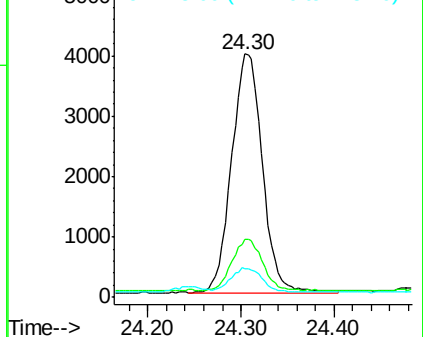
125 12.0 12.0 18.0#



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: 0.374 ng

RT: 27.25 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

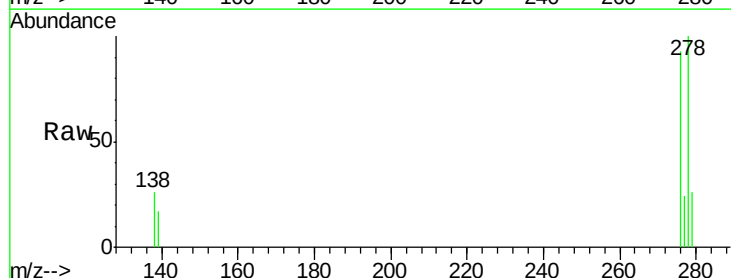
Tgt Ion:278 Resp: 8532

Ion Ratio Lower Upper

278 100

139 17.4 16.0 24.0

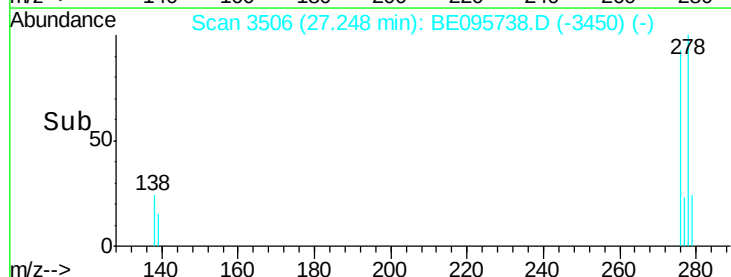
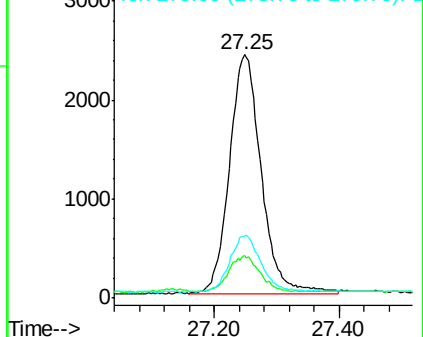
279 25.6 20.0 30.0

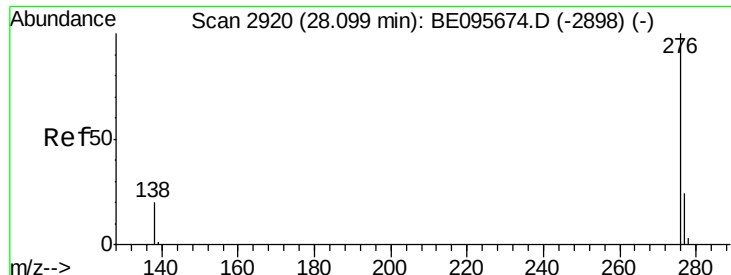


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.353 ng

RT: 28.10 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE095738.D

Acq: 12 Mar 2018 19:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

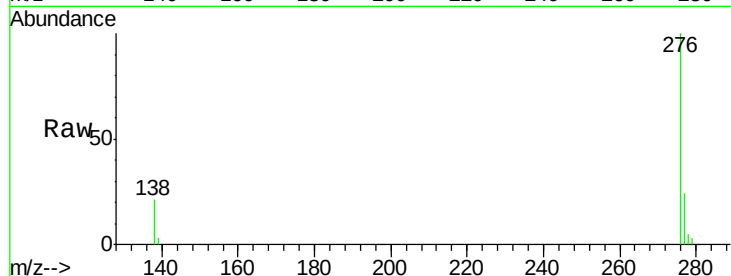
Tot Ion:276 Resp: 8625

Ion Ratio Lower Upper

276 100

277 24.3 16.0 24.0#

138 21.1 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

