

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\
 Data File : BE095550.D
 Acq On : 7 Feb 2018 12:54
 Operator : SJ/JU
 Sample : J1161-01
 Misc : LOD 0.1ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 08 01:14:30 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1379	0.40	ng	-0.01
7) Naphthalene-d8	11.26	136	5480	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3154	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7561	0.40	ng	0.00
27) Chrysene-d12	21.79	240	7842	0.40	ng	0.00
34) Perylene-d12	24.43	264	7139	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1244	0.30	ng	0.00
5) Phenol-d6	7.55	99	1644	0.29	ng	-0.01
8) Nitrobenzene-d5	9.60	82	1752	0.30	ng	-0.02
11) 2-Methylnaphthalene-d10	12.80	152	2605	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	341	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	4080	0.30	ng	-0.02
25) Fluoranthene-d10	19.69	212	27892	0.28	ng	0.00
29) Terphenyl-d14	20.25	244	5028	0.30	ng	0.00

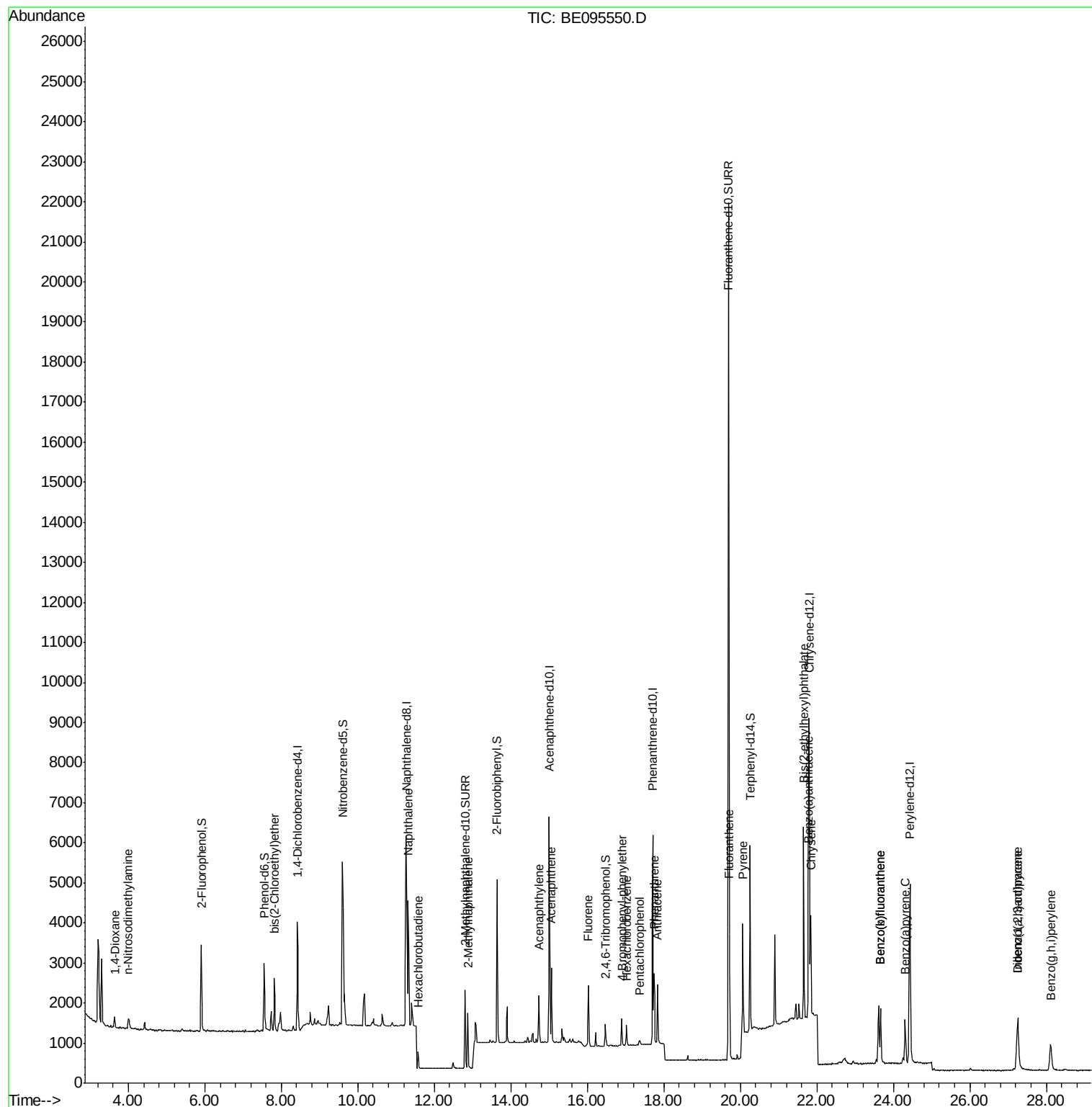
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.65	88	318	0.139	ng	# 67
3) n-Nitrosodimethylamine	4.00	42	196	0.068	ng	# 95
6) bis(2-Chloroethyl)ether	7.82	93	491	0.093	ng	# 83
9) Naphthalene	11.31	128	5475	0.086	ng	# 97
10) Hexachlorobutadiene	11.58	225	342	0.100	ng	# 93
12) 2-Methylnaphthalene	12.88	142	944	0.087	ng	# 98
16) Acenaphthylene	14.73	152	1487	0.083	ng	# 97
17) Acenaphthene	15.06	154	935	0.084	ng	# 91
18) Fluorene	16.02	166	1182	0.084	ng	# 76
20) 4-Bromophenyl-phenylether	16.91	248	381	0.084	ng	# 75
21) Hexachlorobenzene	17.03	284	402	0.086	ng	# 82
22) Pentachlorophenol	17.37	266	77	0.202	ng	# 97
23) Phenanthrene	17.74	178	2095	0.090	ng	# 98
24) Anthracene	17.83	178	1829	0.084	ng	# 94
26) Fluoranthene	19.72	202	2550	0.087	ng	# 97
28) Pyrene	20.07	202	3144	0.095	ng	# 99
30) Benzo(a)anthracene	21.78	228	2264	0.087	ng	# 98
31) Chrysene	21.84	228	2262	0.088	ng	# 97
32) Bis(2-ethylhexyl)phthalate	21.65	149	5371	0.089	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.24	276	2071	0.083	ng	# 92
35) Benzo(b)fluoranthene	23.66	252	2052	0.084	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	2052	0.082	ng	# 80
37) Benzo(a)pyrene	24.31	252	1900	0.084	ng	# 82
38) Dibenzo(a,h)anthracene	27.25	278	1626	0.082	ng	# 83
39) Benzo(g,h,i)perylene	28.11	276	1735	0.081	ng	# 85

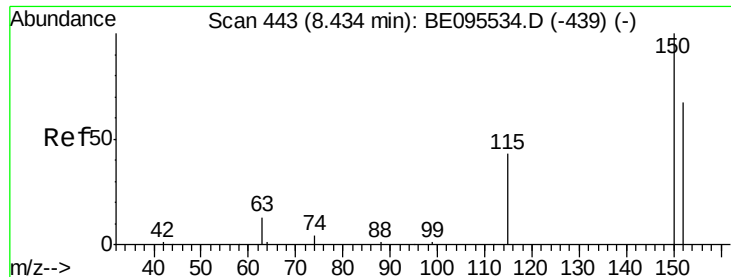
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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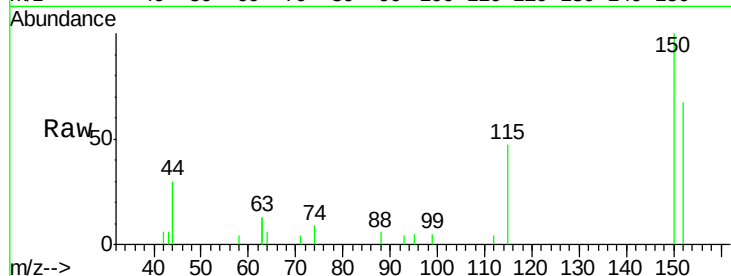


#1

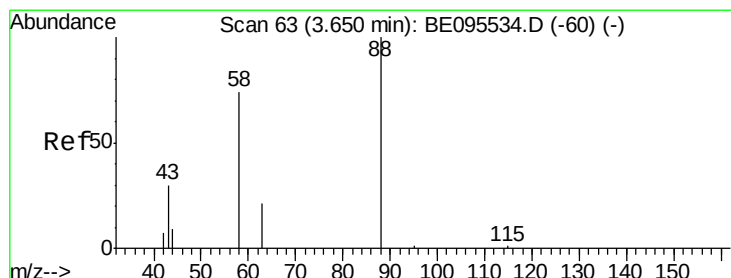
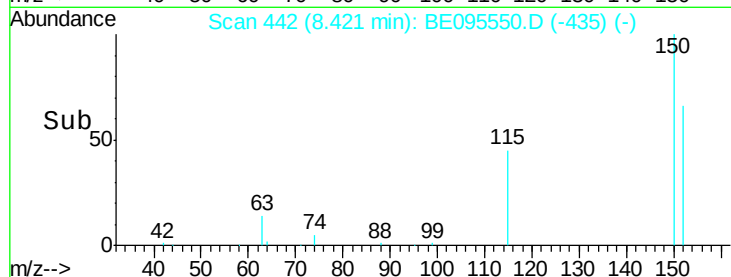
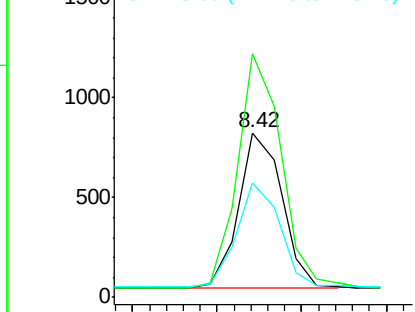
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095550.D
Acq: 7 Feb 2018 12:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1379
Ion Ratio Lower Upper
152 100
150 148.2 117.2 175.8
115 69.7 57.0 85.6



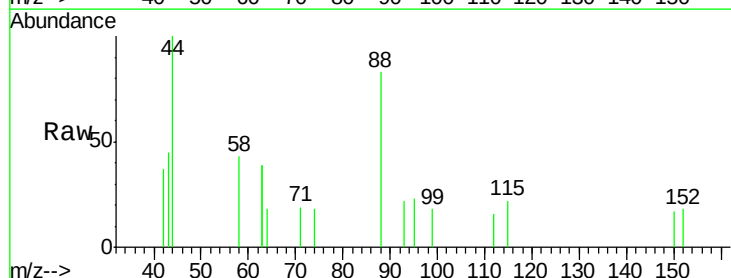
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



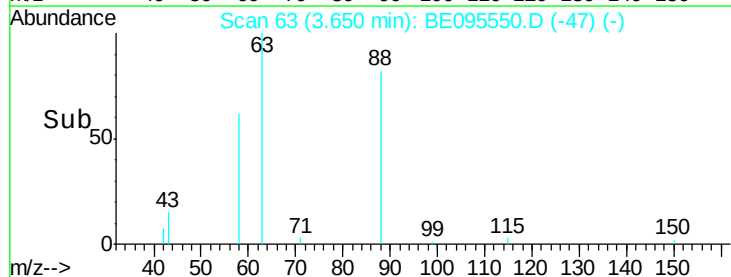
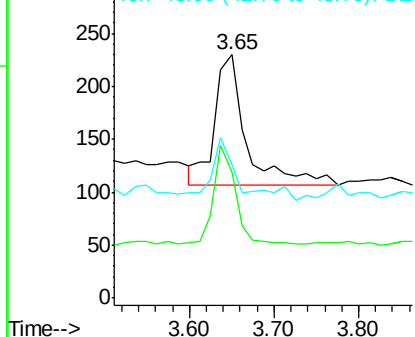
#2

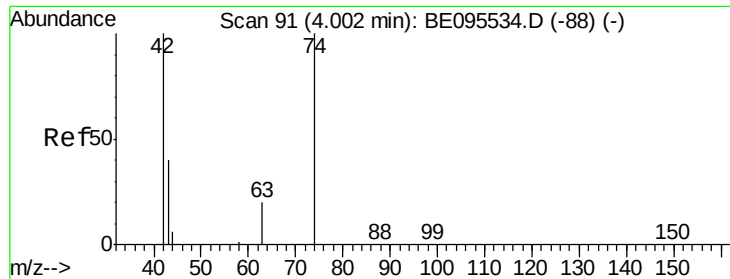
1,4-Dioxane
Concen: 0.139 ng
RT: 3.65 min Scan# 63
Delta R.T. -0.00 min
Lab File: BE095550.D
Acq: 7 Feb 2018 12:54

Tgt Ion: 88 Resp: 318
Ion Ratio Lower Upper
88 100
58 52.8 63.2 94.8#
43 24.2 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



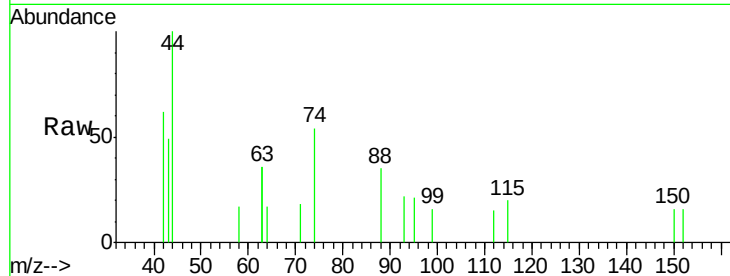


#3

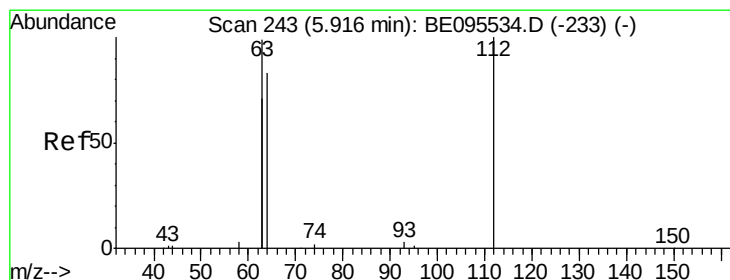
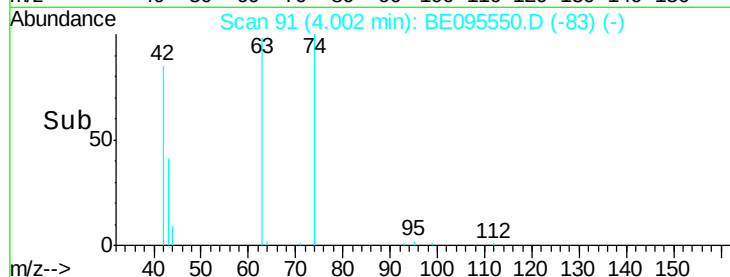
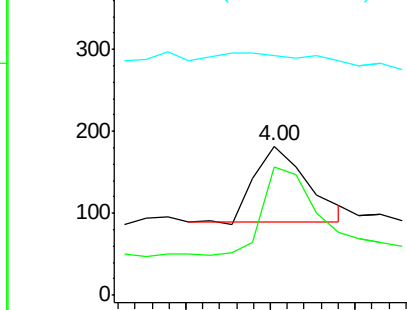
n-Nitrosodimethylamine
Concen: 0.068 ng
RT: 4.00 min Scan# 91
Delta R.T. -0.00 min
Lab File: BE095550.D
Acq: 7 Feb 2018 12:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 196
Ion Ratio Lower Upper
42 100
74 121.4 96.0 144.0
44 0.0 12.0 18.0#



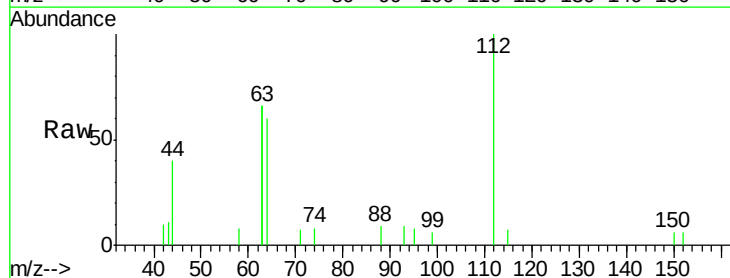
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



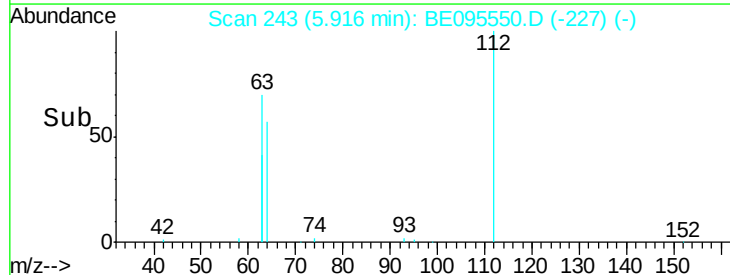
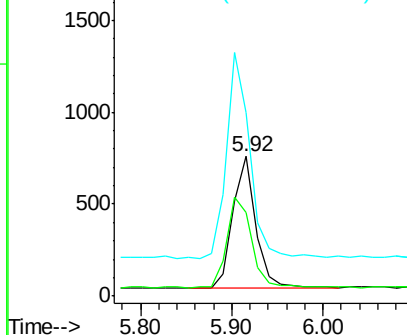
#4

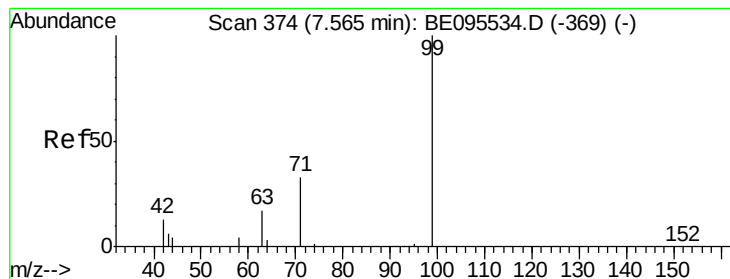
2-Fluorophenol
Concen: 0.299 ng
RT: 5.92 min Scan# 243
Delta R.T. -0.00 min
Lab File: BE095550.D
Acq: 7 Feb 2018 12:54

Tgt Ion: 112 Resp: 1244
Ion Ratio Lower Upper
112 100
64 75.7 60.1 90.1
63 158.8 116.8 175.2



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: 0.285 ng

RT: 7.55 min Scan# 373

Delta R.T. -0.01 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampled :

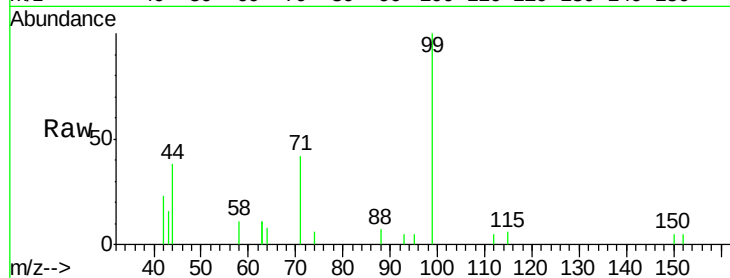
Tot Ion: 99 Resp: 1644

Ion Ratio Lower Upper

99 100

42 23.4 20.2 30.2

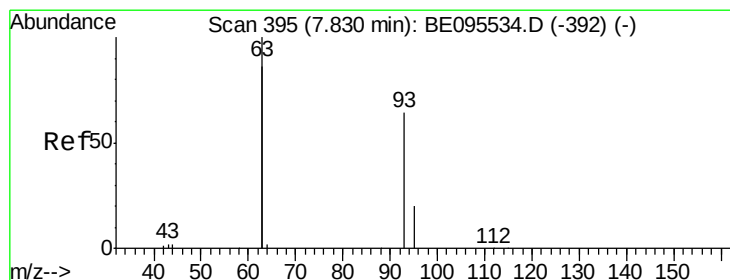
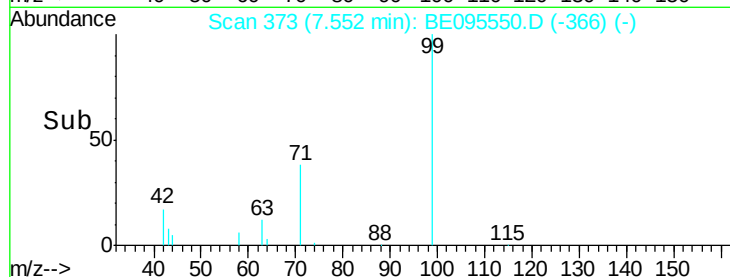
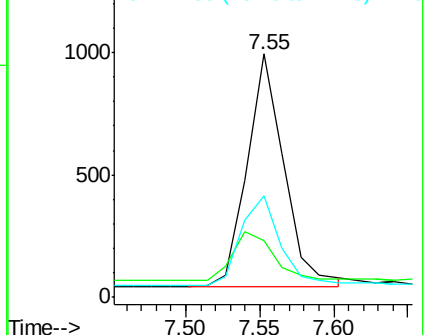
71 40.9 28.4 42.6



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: 0.093 ng

RT: 7.82 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

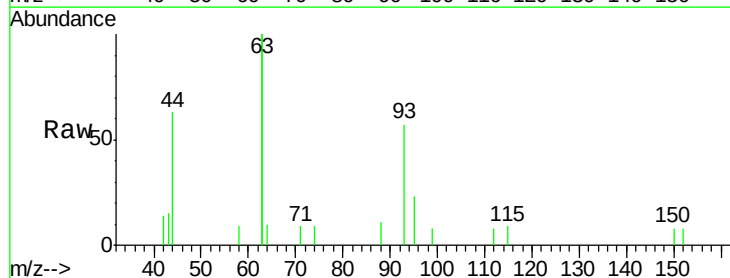
Tgt Ion: 93 Resp: 491

Ion Ratio Lower Upper

93 100

63 305.3 275.3 412.9

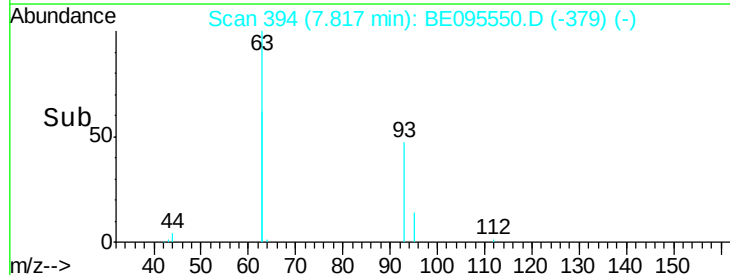
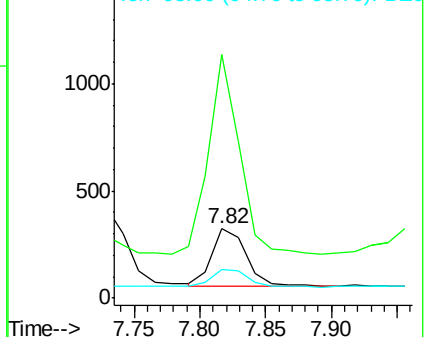
95 33.0 25.2 37.8

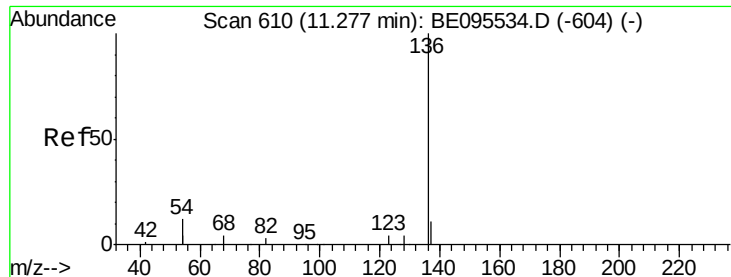


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5480

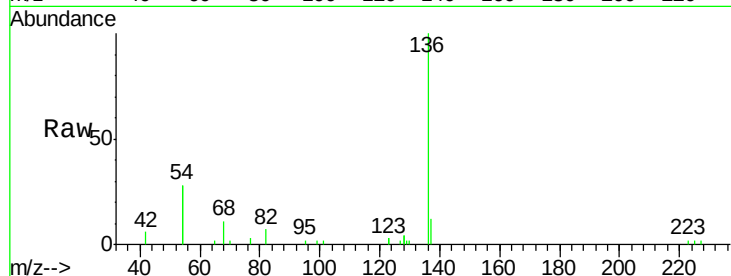
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 56.9 29.1 43.7#

68 10.9 6.2 9.2#

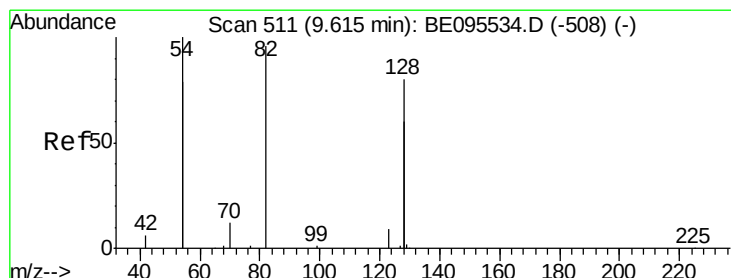
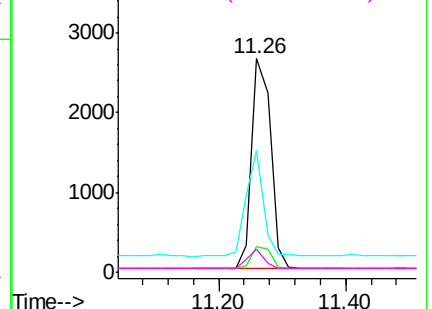
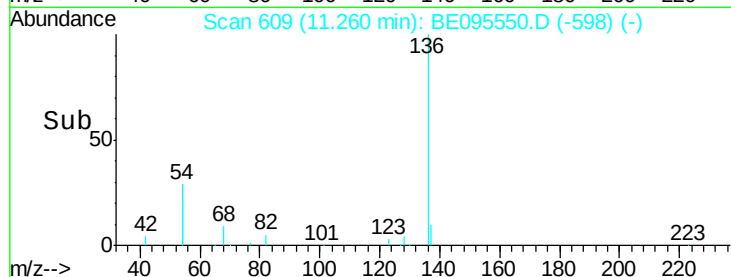


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.302 ng

RT: 9.60 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

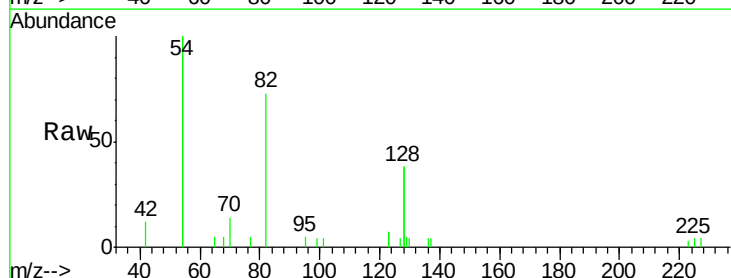
Tgt Ion: 82 Resp: 1752

Ion Ratio Lower Upper

82 100

128 103.4 150.0 225.0#

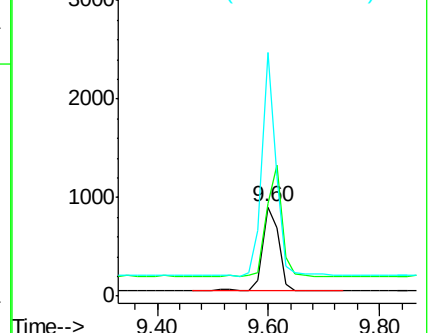
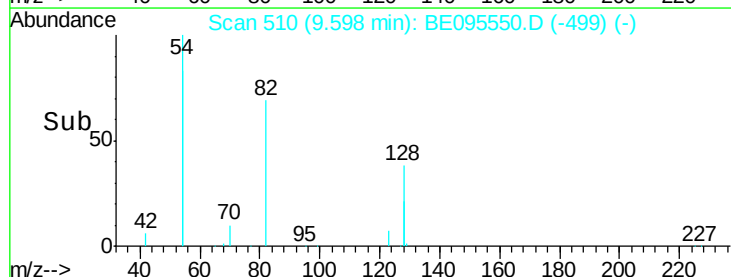
54 273.5 154.2 231.4#

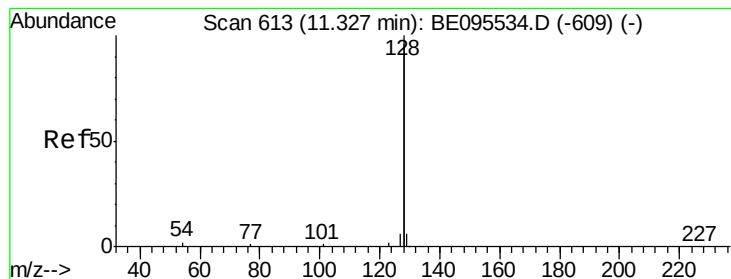


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.086 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :

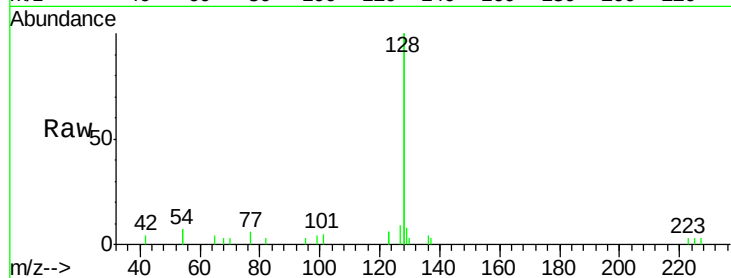
Tot Ion:128 Resp: 5475

Ion Ratio Lower Upper

128 100

129 4.2 2.6 3.8#

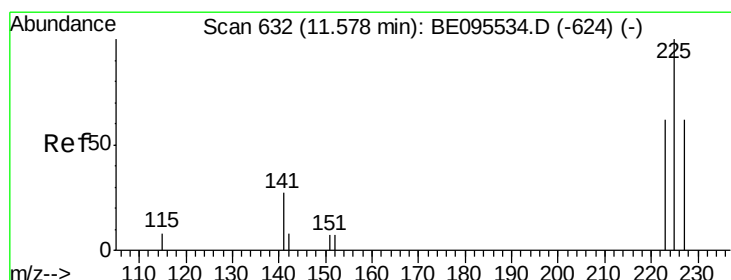
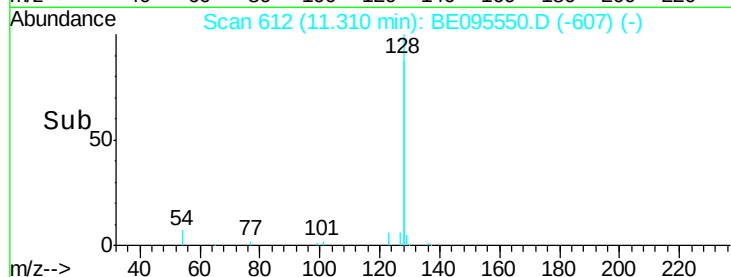
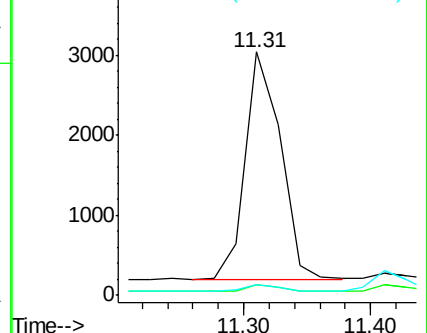
127 4.5 2.8 4.2#



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: 0.100 ng

RT: 11.58 min Scan# 632

Delta R.T. -0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

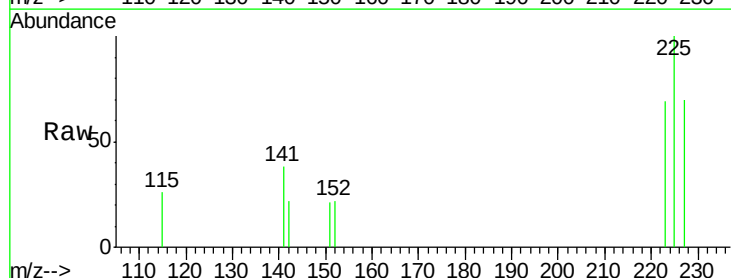
Tgt Ion:225 Resp: 342

Ion Ratio Lower Upper

225 100

223 60.8 53.0 79.6

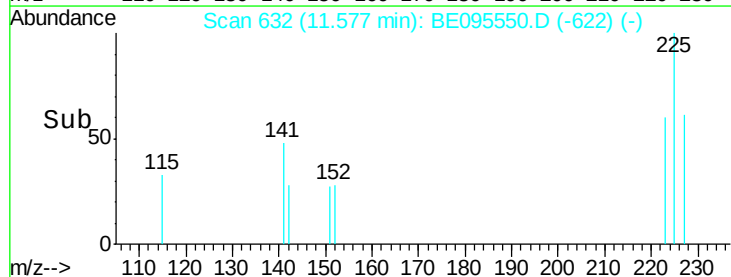
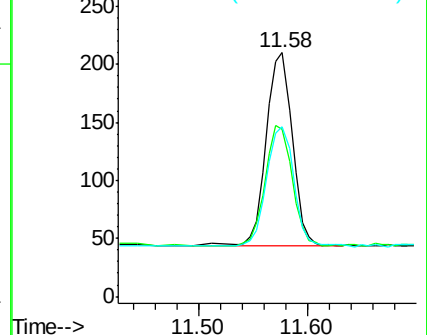
227 58.8 51.4 77.2

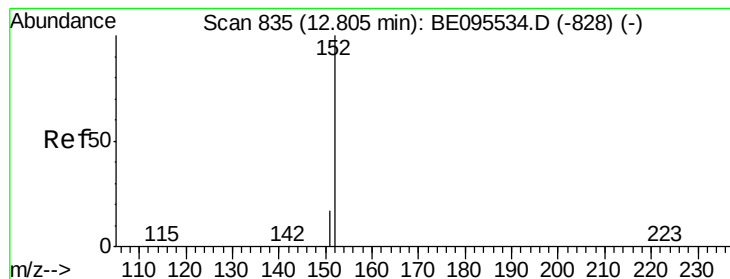


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.287 ng

RT: 12.80 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

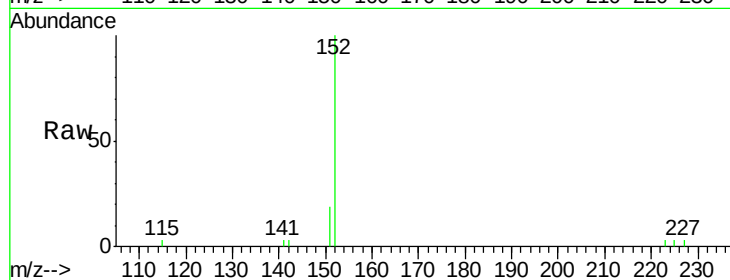
ClientSampleId :

Tot Ion:152 Resp: 2605

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.80

1500

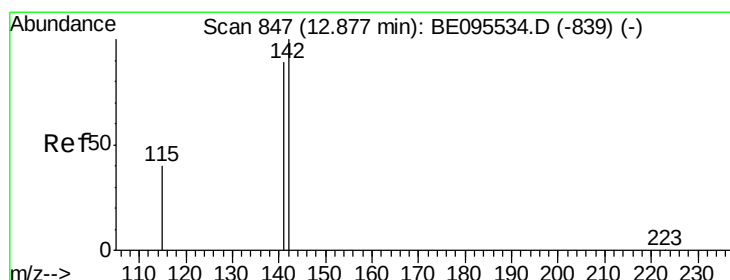
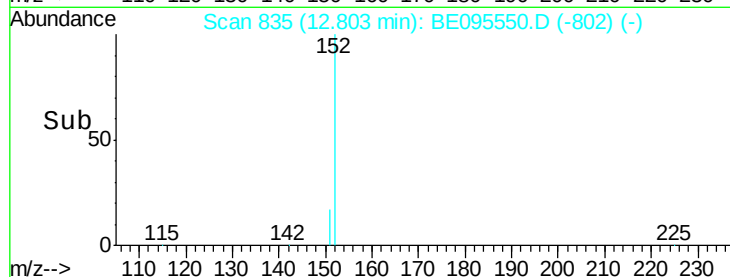
1000

500

0

Time-->

12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.087 ng

RT: 12.88 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

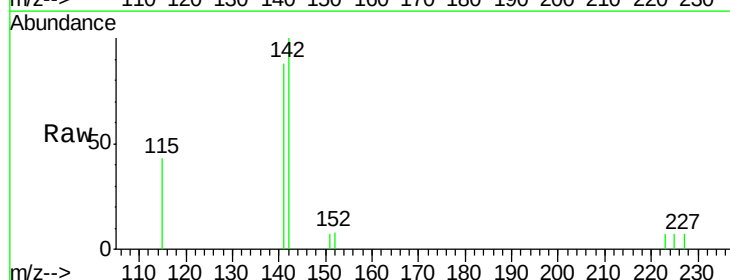
Tgt Ion:142 Resp: 944

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

115 42.8 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.88

800

600

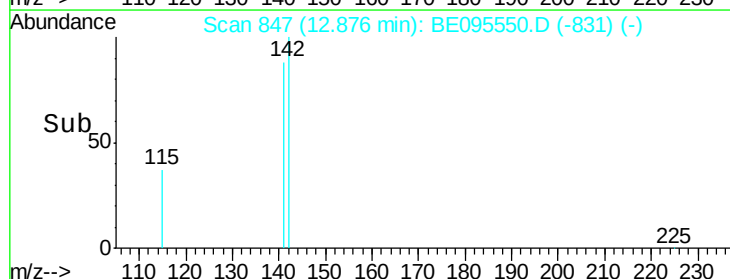
400

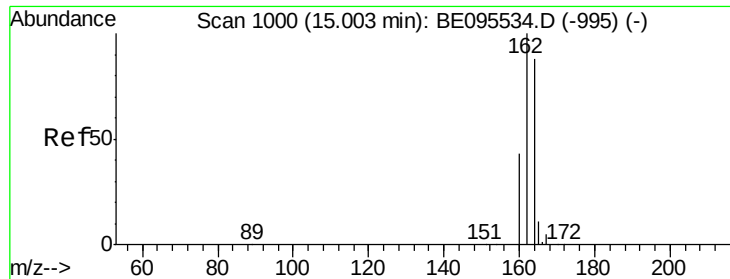
200

0

Time-->

12.80 12.85 12.90 12.95

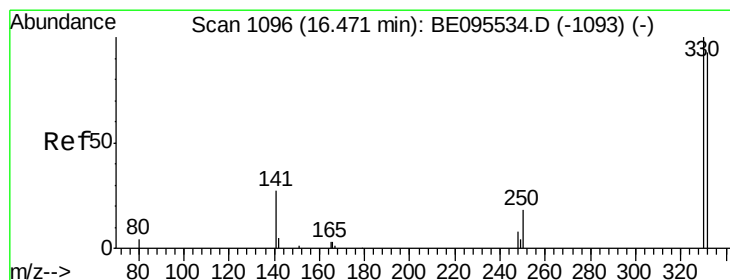
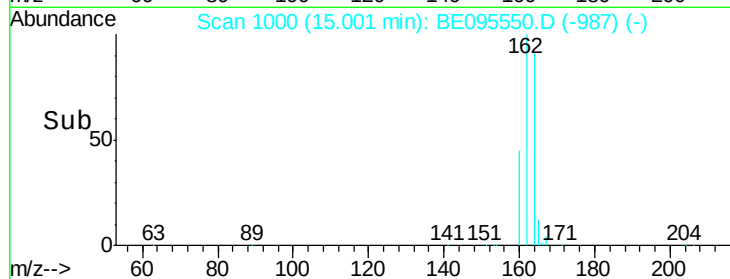
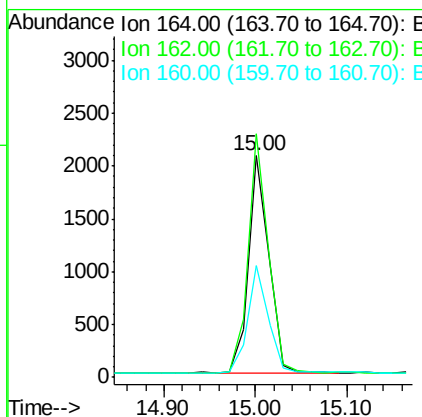
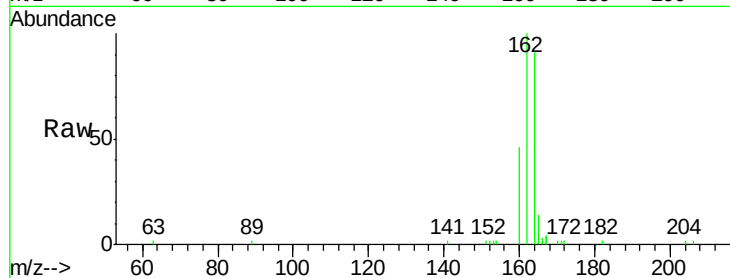




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.00 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

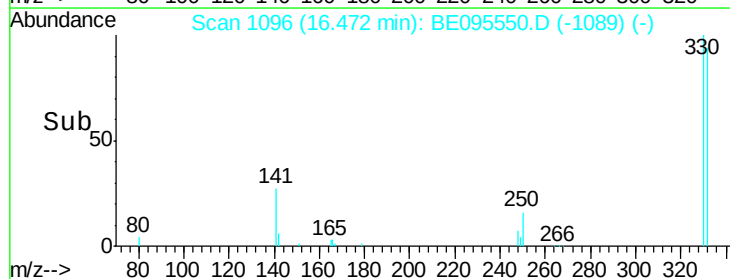
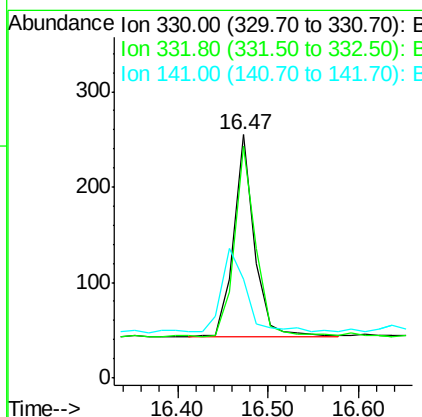
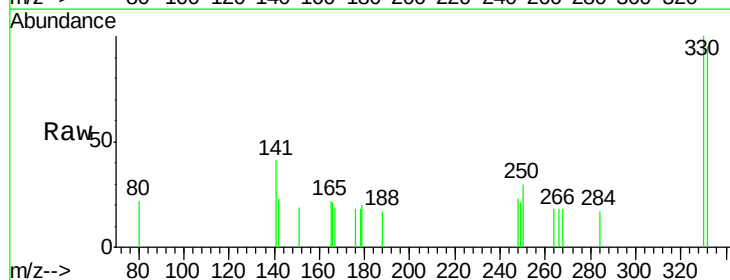
Instrument :
 BNA_E
 ClientSampleId :

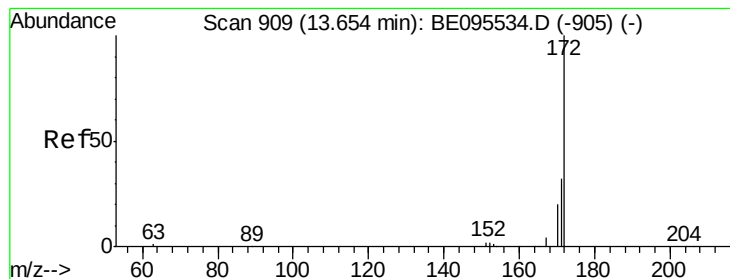
Tot Ion:164 Resp: 3154
 Ion Ratio Lower Upper
 164 100
 162 109.8 83.1 124.7
 160 50.5 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.237 ng
 RT: 16.47 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

Tgt Ion:330 Resp: 341
 Ion Ratio Lower Upper
 330 100
 332 96.2 152.7 229.1#
 141 45.5 33.7 50.5

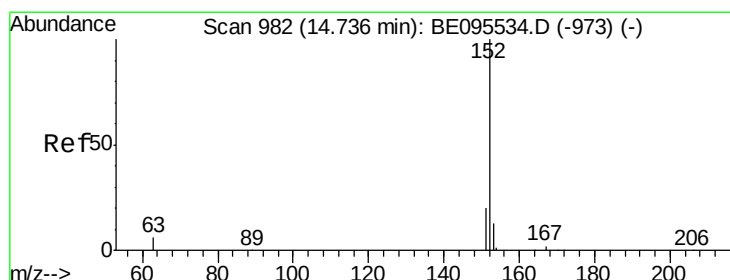
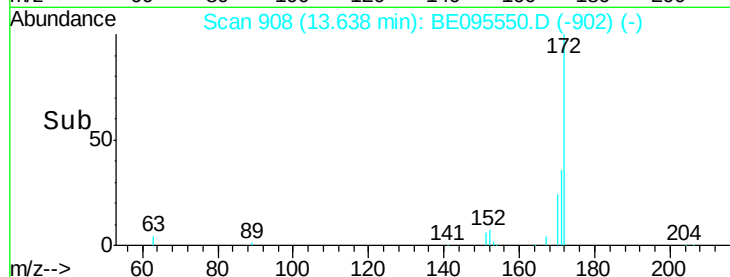
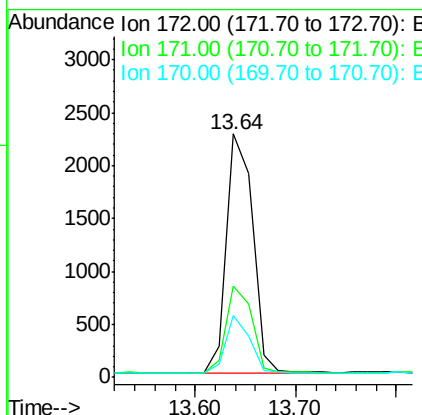
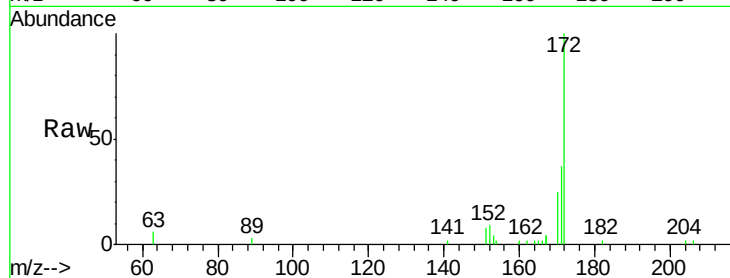




#15
2-Fluorobiphenyl
Concen: 0.300 ng
RT: 13.64 min Scan# 908
Delta R.T. -0.02 min
Lab File: BE095550.D
Acq: 7 Feb 2018 12:54

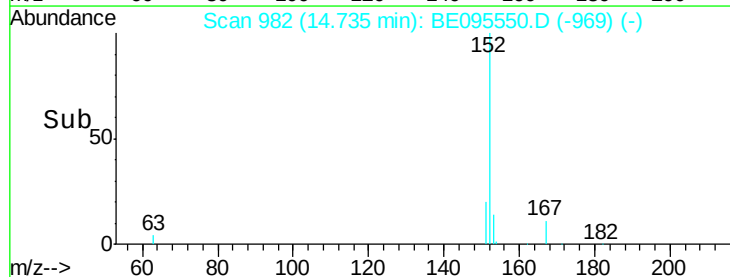
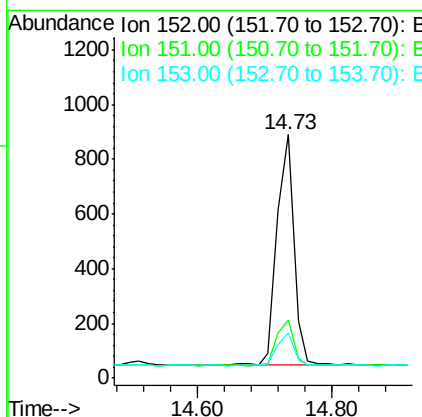
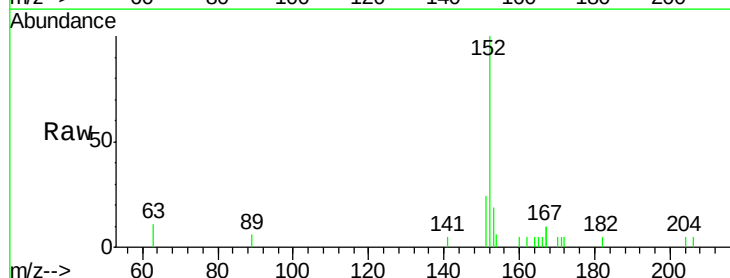
Instrument :
BNA_E
ClientSampleId :

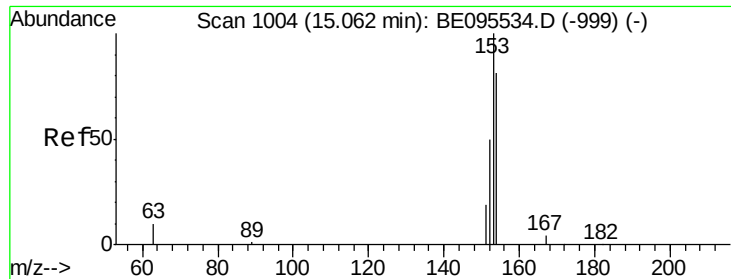
Tot Ion:172 Resp: 4080
Ion Ratio Lower Upper
172 100
171 37.4 29.9 44.9
170 25.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095550.D
Acq: 7 Feb 2018 12:54

Tgt Ion:152 Resp: 1487
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 15.3 10.5 15.7





#17

Acenaphthene

Concen: 0.084 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampled :

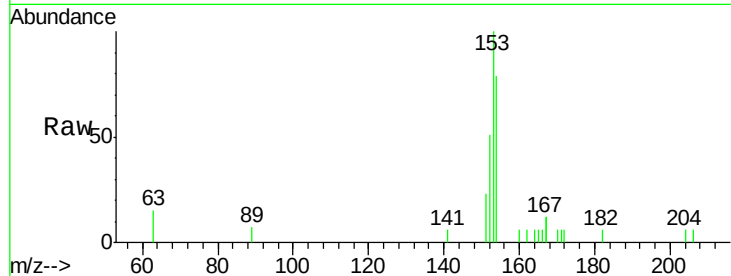
Tot Ion:154 Resp: 935

Ion Ratio Lower Upper

154 100

153 121.0 89.2 133.8

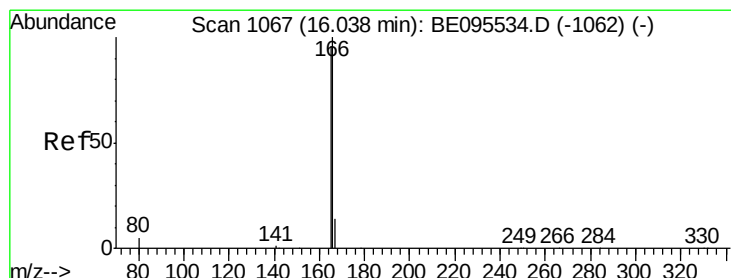
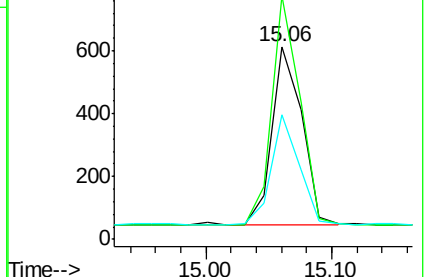
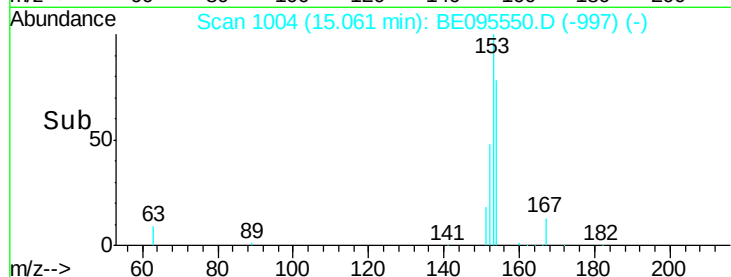
152 58.7 42.0 63.0



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: 0.084 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

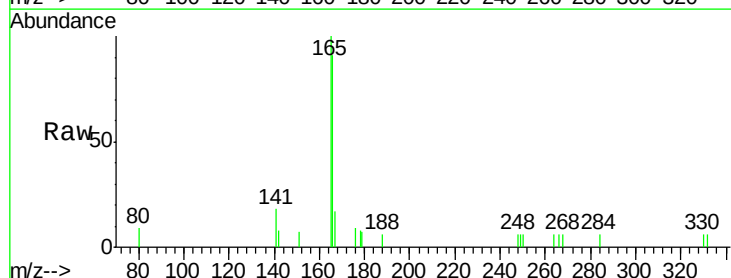
Tgt Ion:166 Resp: 1182

Ion Ratio Lower Upper

166 100

165 104.7 77.8 116.6

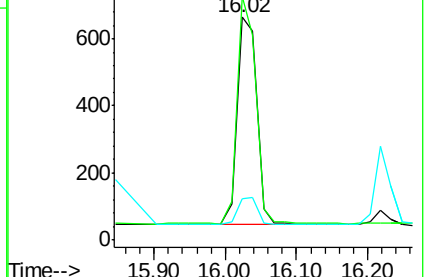
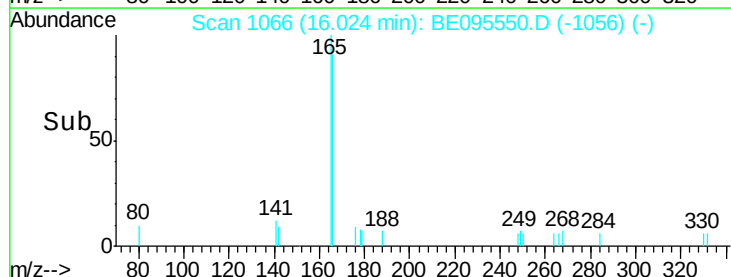
167 14.3 42.4 63.6#

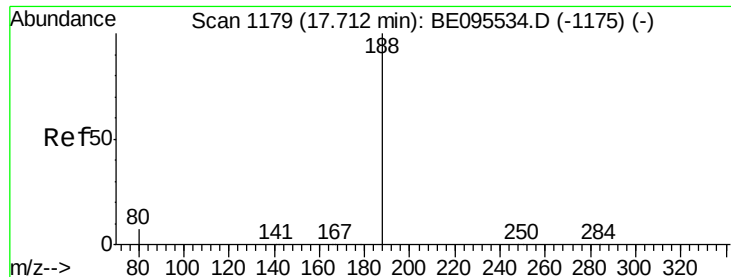


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1179

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :

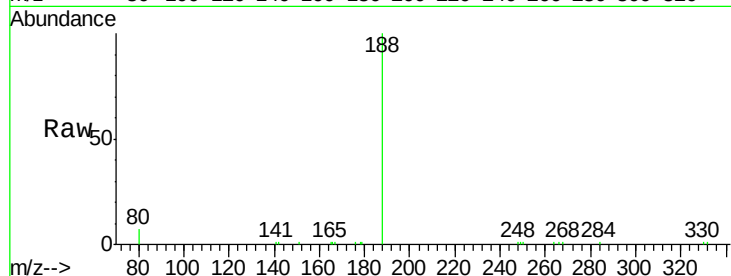
Tot Ion:188 Resp: 7561

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

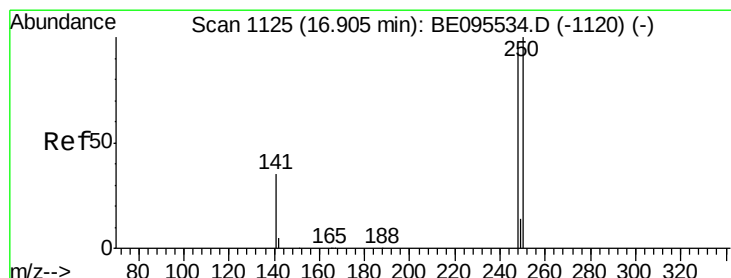
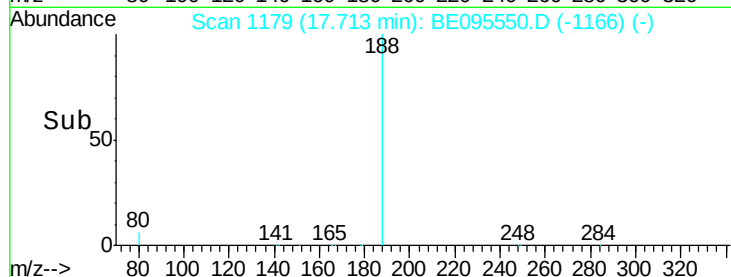
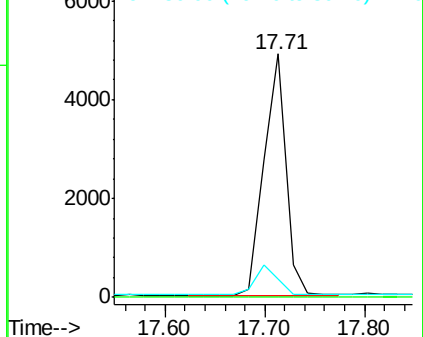
80 7.4 3.6 5.4#



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: 0.084 ng

RT: 16.91 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

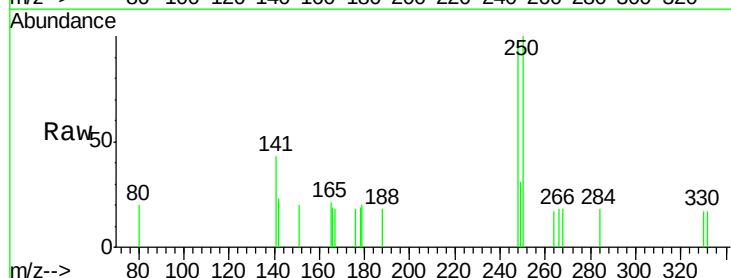
Tgt Ion:248 Resp: 381

Ion Ratio Lower Upper

248 100

250 102.4 62.7 94.1#

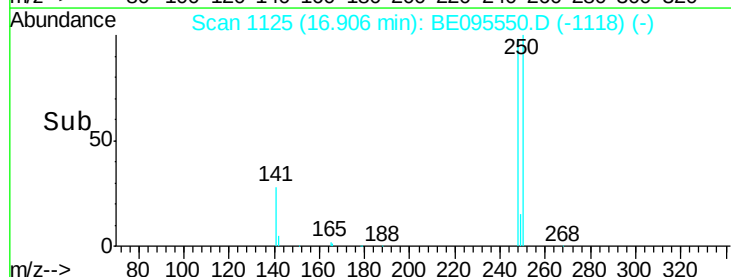
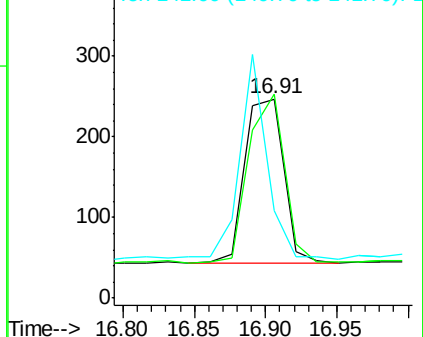
141 43.7 48.2 72.2#

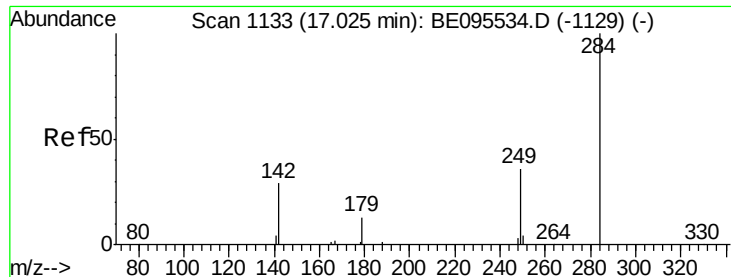


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.086 ng

RT: 17.03 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :

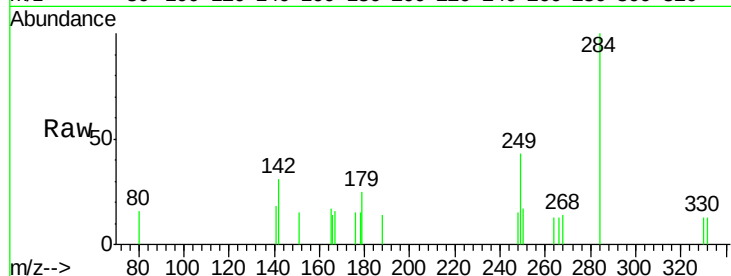
Tot Ion:284 Resp: 402

Ion Ratio Lower Upper

284 100

142 42.3 22.1 33.1#

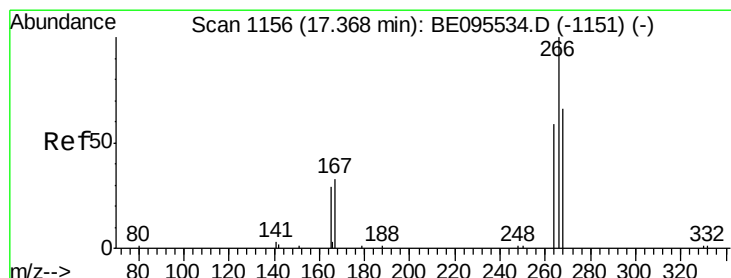
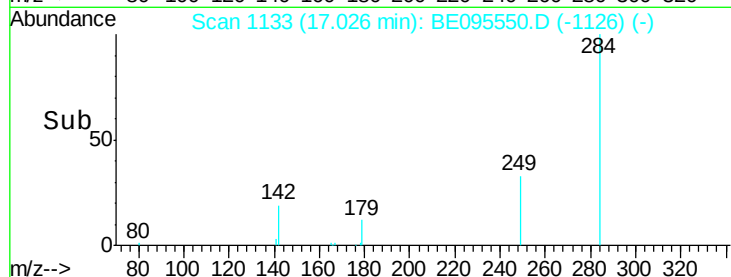
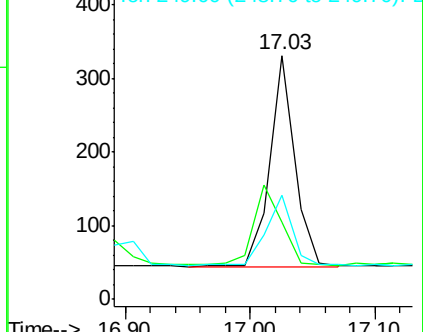
249 36.3 34.8 52.2



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: 0.202 ng

RT: 17.37 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

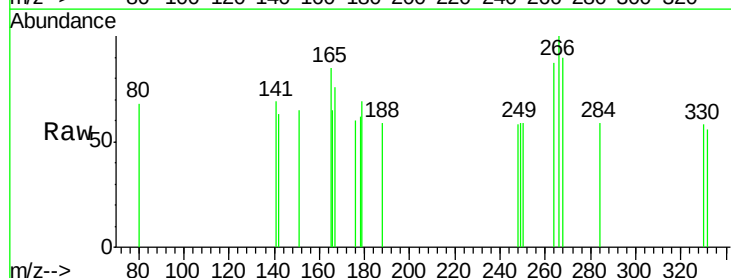
Tgt Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

264 87.2 72.5 108.7

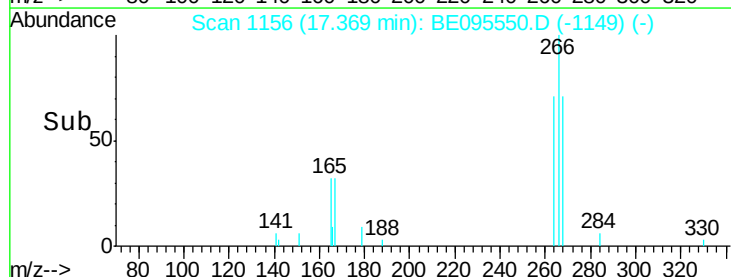
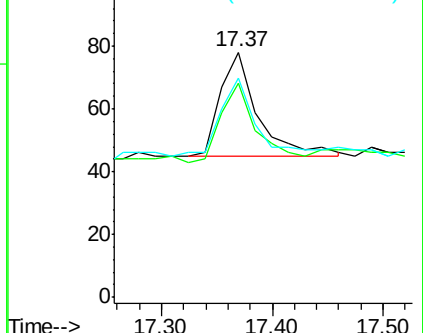
268 89.7 73.8 110.6

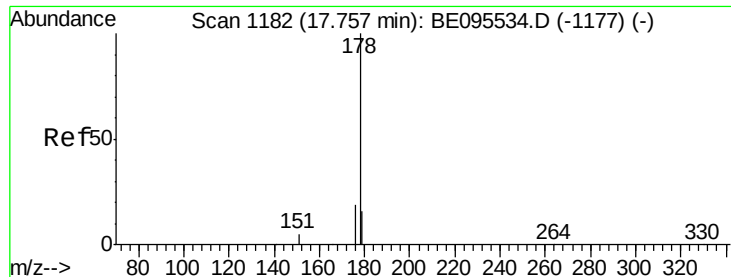


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.090 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

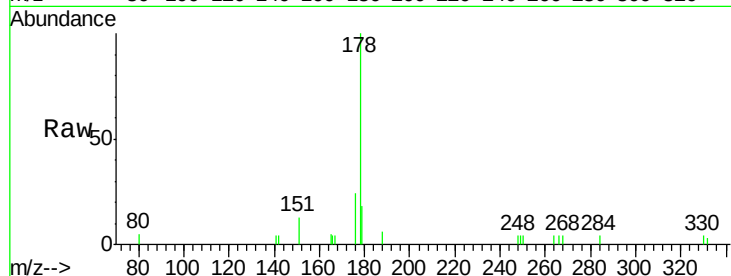
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 2095

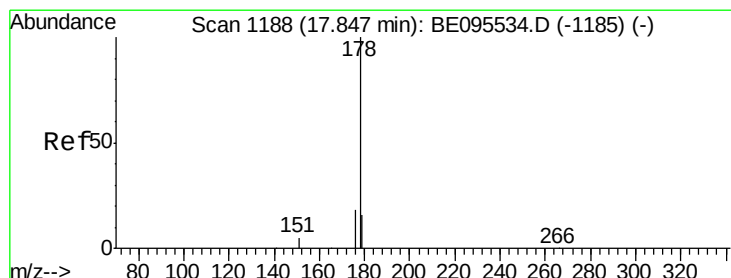
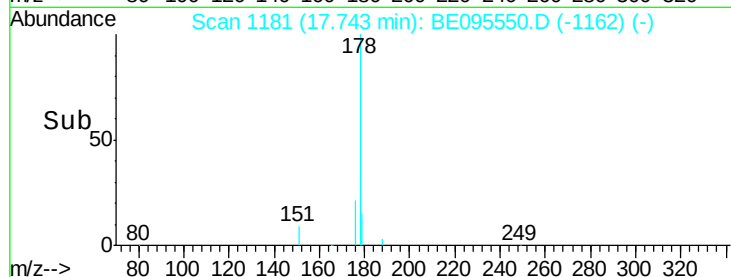
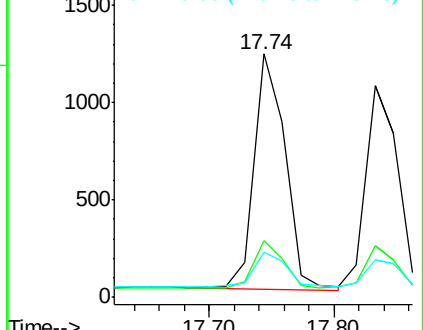
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.9	11.8	17.6



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: 0.084 ng

RT: 17.83 min Scan# 1187

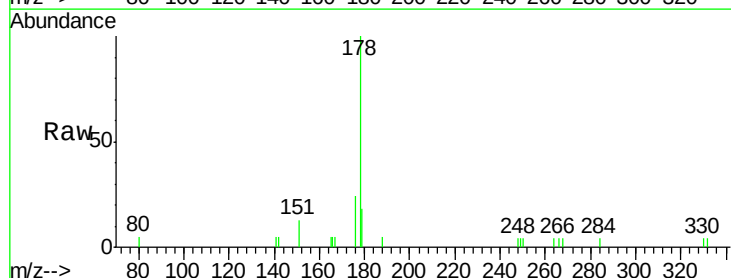
Delta R.T. -0.01 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Tgt Ion:178 Resp: 1829

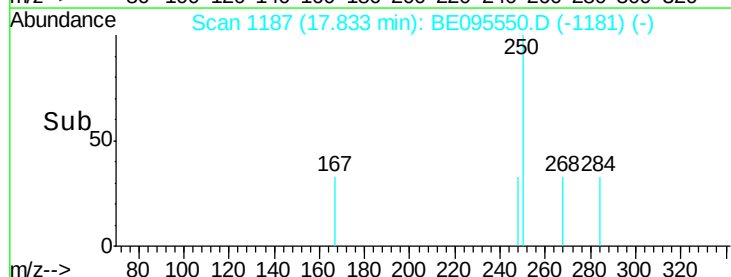
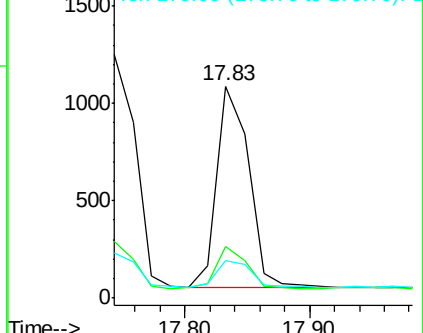
Ion	Ratio	Lower	Upper
178	100		
176	19.7	12.8	19.2#
179	15.1	13.0	19.6

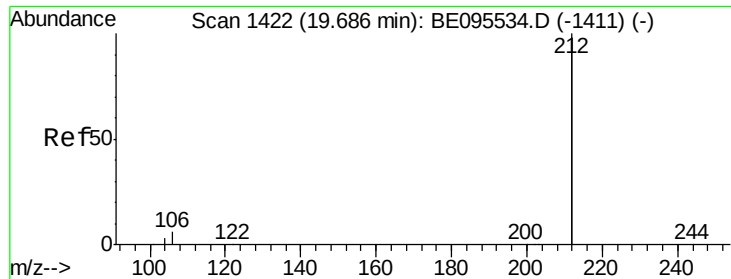


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

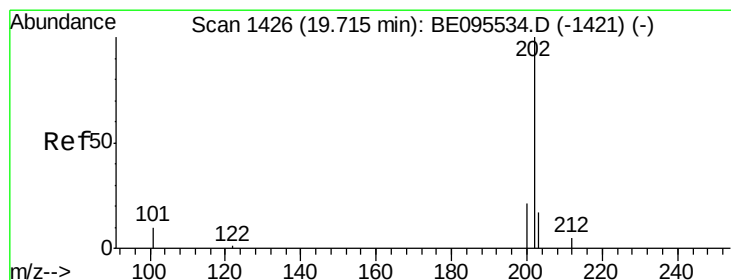
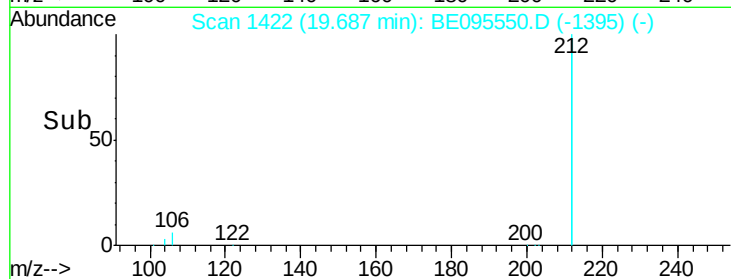
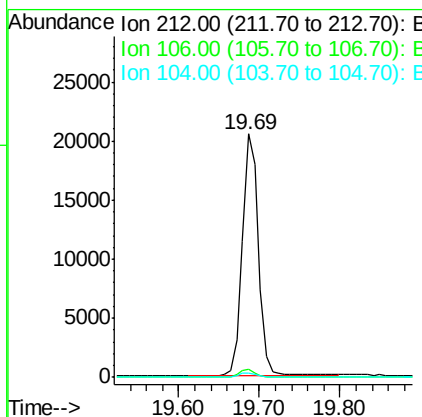
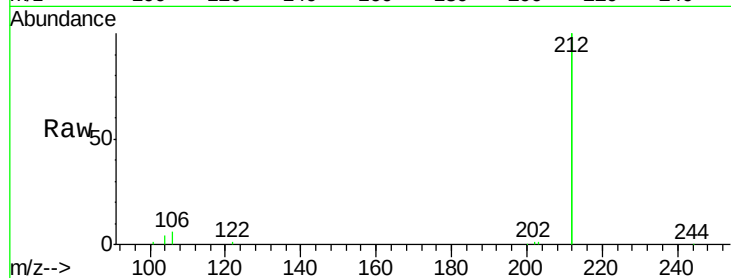




#25
 Fluoranthene-d10
 Concen: 0.280 ng
 RT: 19.69 min Scan# 1422
 Delta R.T. 0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

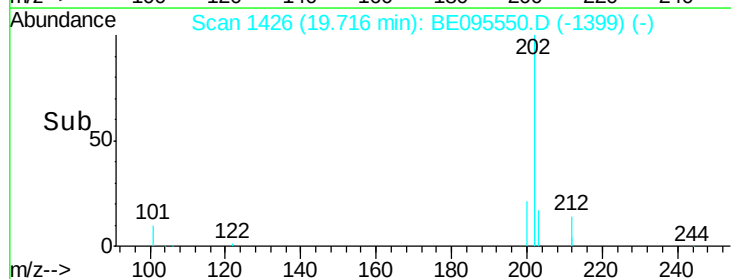
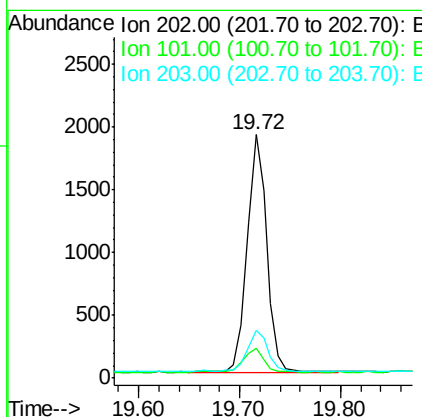
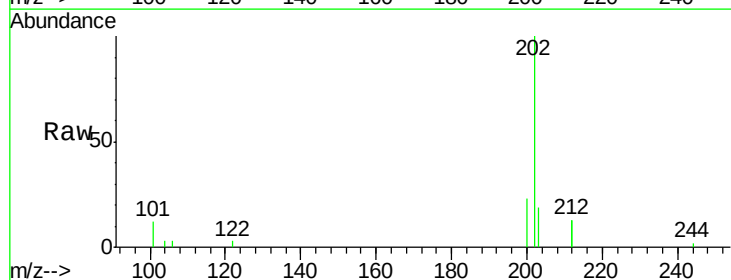
Instrument :
 BNA_E
 ClientSampleId :

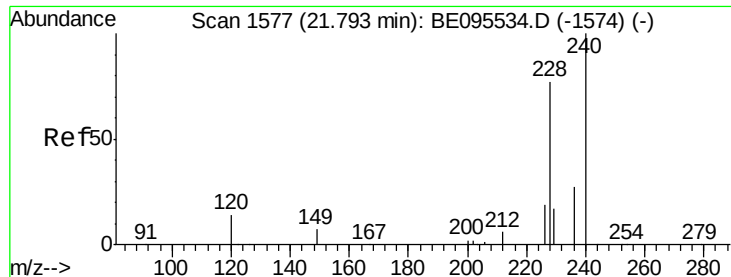
Tot Ion:212 Resp: 27892
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.8 4.2
 104 1.7 1.6 2.4



#26
 Fluoranthene
 Concen: 0.087 ng
 RT: 19.72 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

Tgt Ion:202 Resp: 2550
 Ion Ratio Lower Upper
 202 100
 101 10.8 9.8 14.8
 203 18.2 13.7 20.5

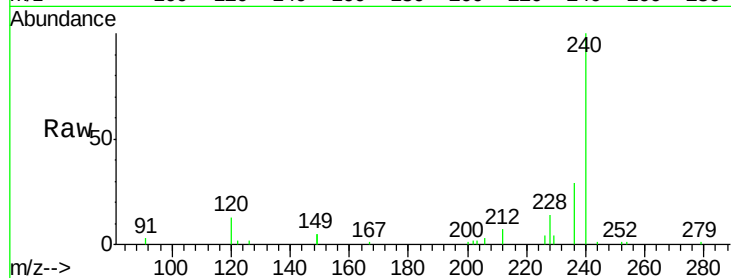




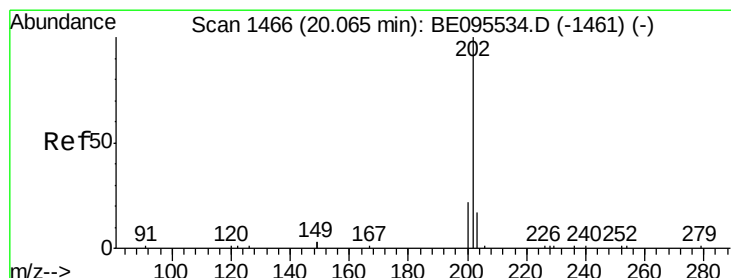
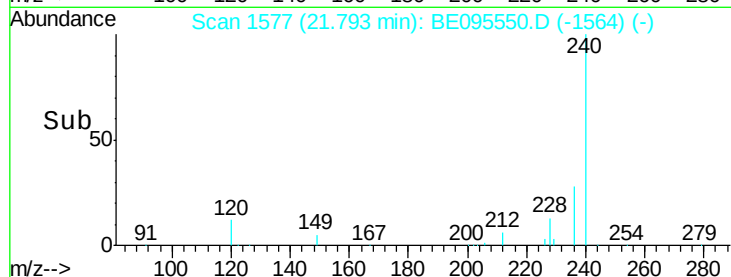
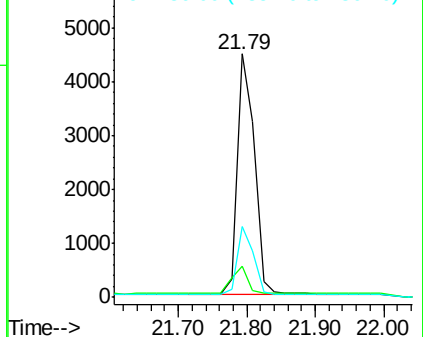
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.79 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 7842
 Ion Ratio Lower Upper
 240 100
 120 13.0 5.5 8.3#
 236 28.9 20.7 31.1

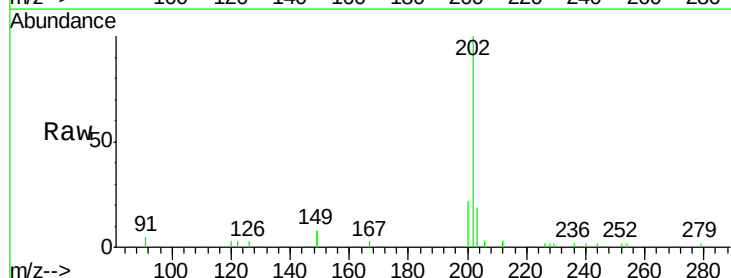


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

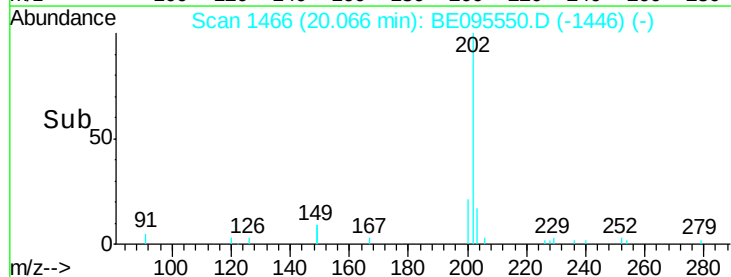
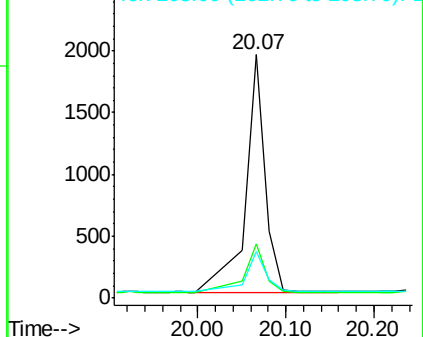


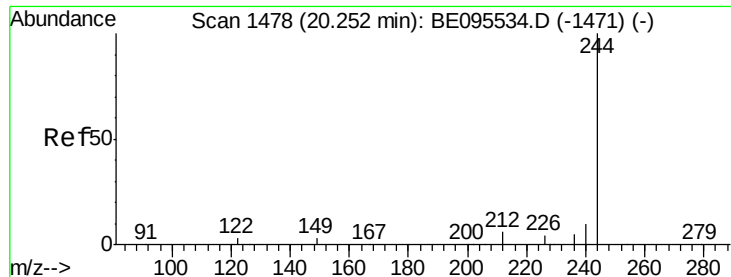
#28
 Pyrene
 Concen: 0.095 ng
 RT: 20.07 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

Tgt Ion:202 Resp: 3144
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.6 25.0
 203 18.3 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: 0.301 ng

RT: 20.25 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :

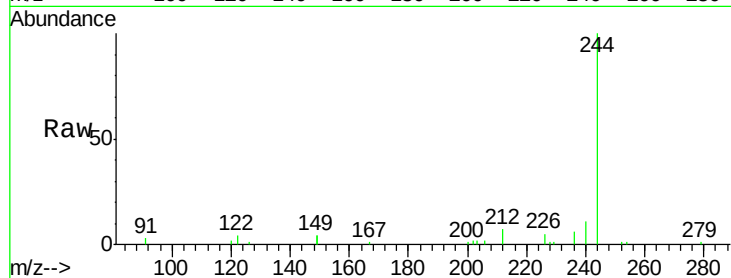
Tot Ion:244 Resp: 5028

Ion Ratio Lower Upper

244 100

212 7.3 25.4 38.0#

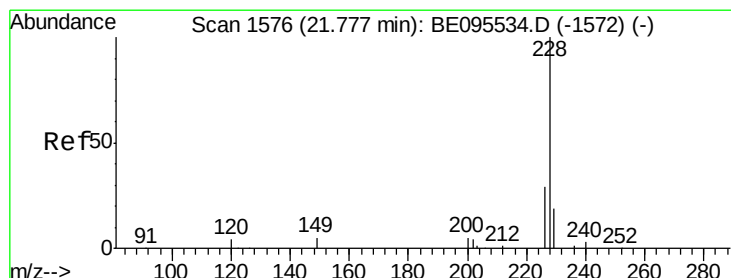
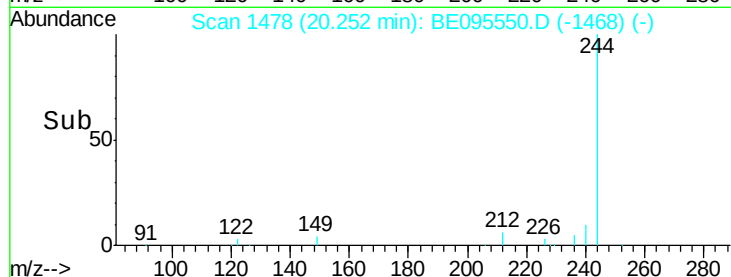
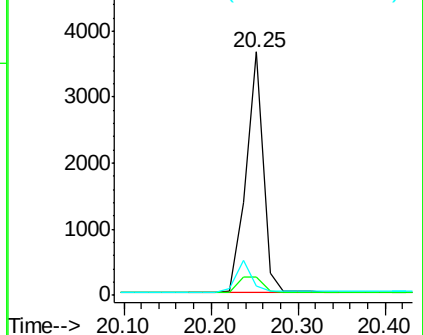
122 4.0 8.1 12.1#



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: 0.087 ng

RT: 21.78 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

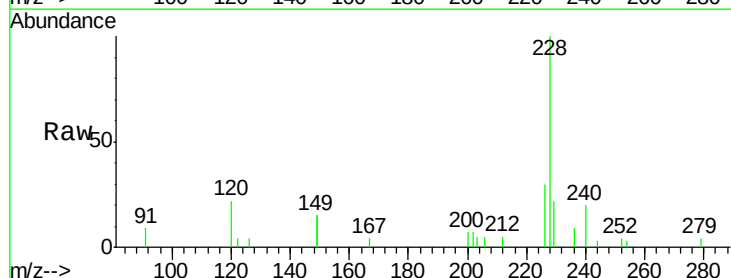
Tgt Ion:228 Resp: 2264

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

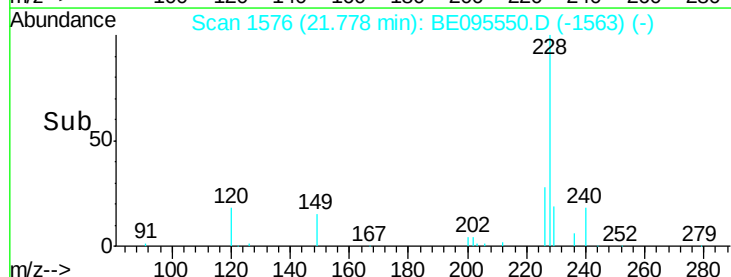
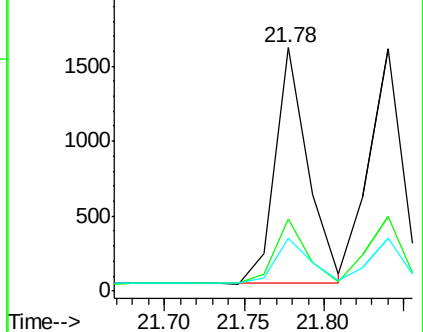
229 21.9 16.0 24.0

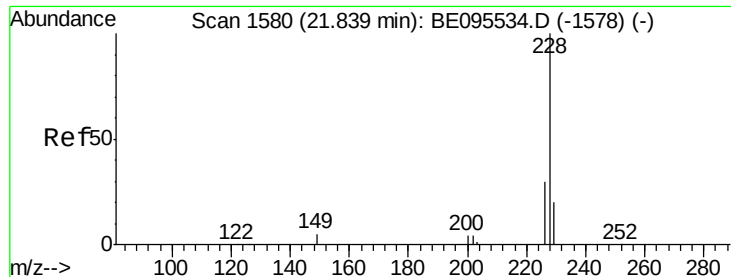


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.088 ng

RT: 21.84 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampled :

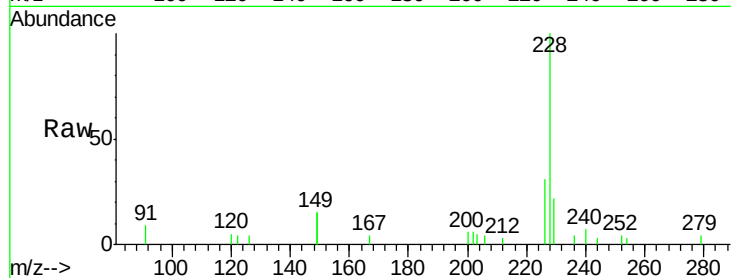
Tot Ion:228 Resp: 2262

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

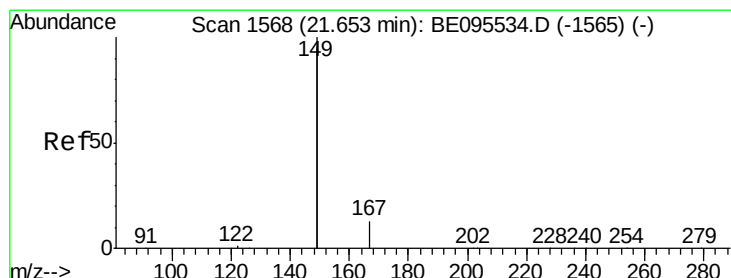
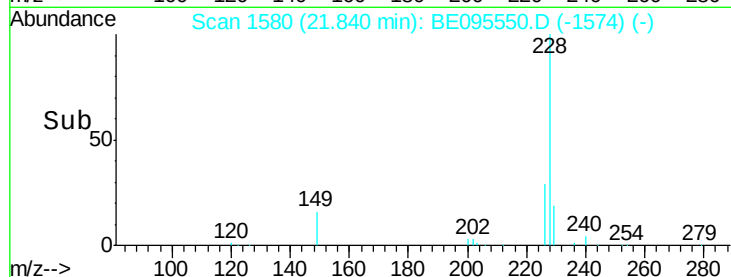
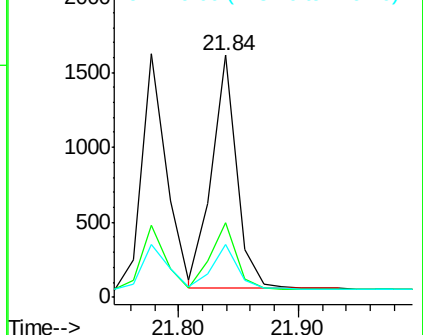
229 21.9 16.0 24.0



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: 0.089 ng

RT: 21.65 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

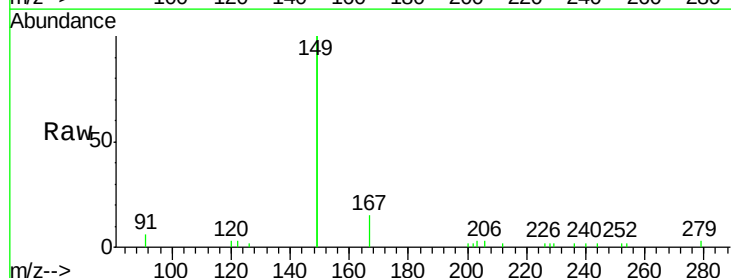
Tgt Ion:149 Resp: 5371

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

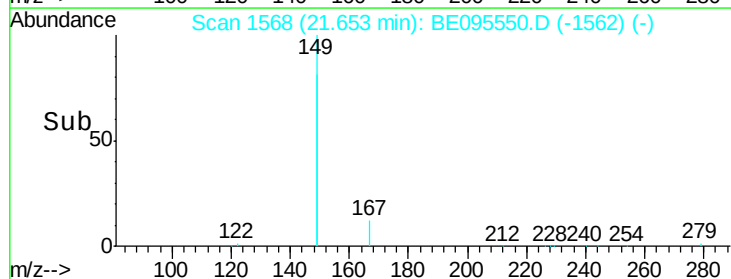
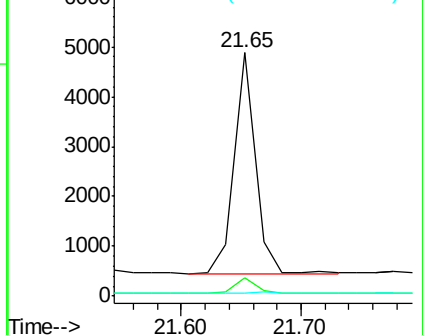
279 1.0 0.7 1.1

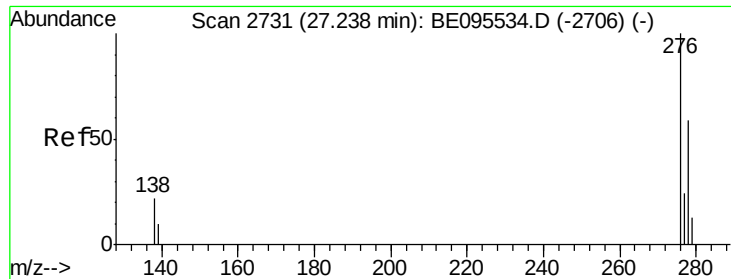


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

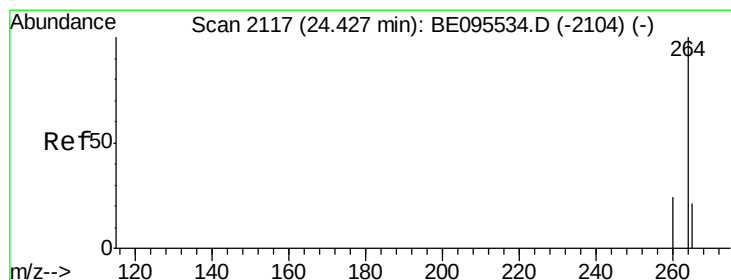
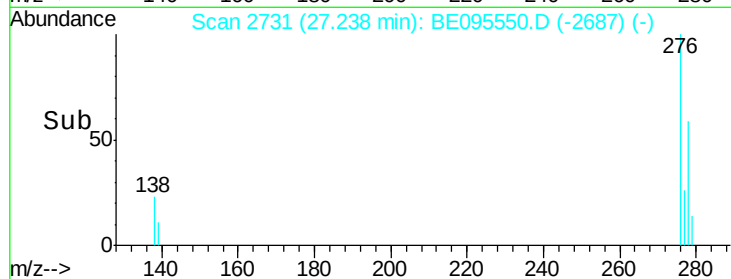
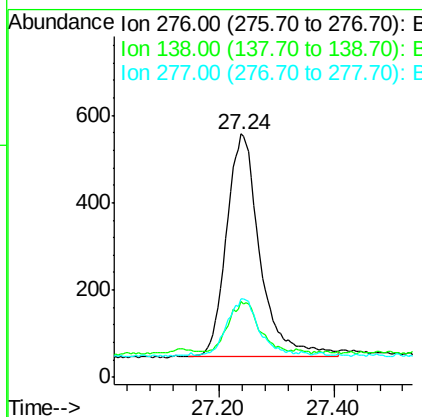
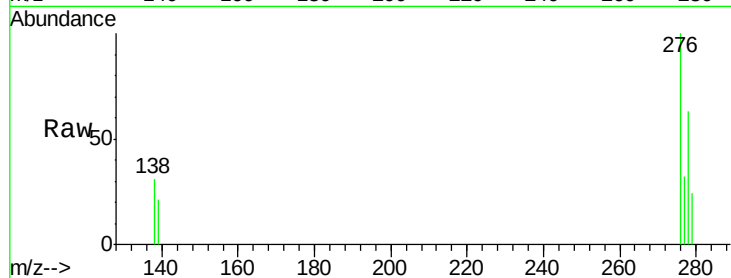




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.083 ng
 RT: 27.24 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

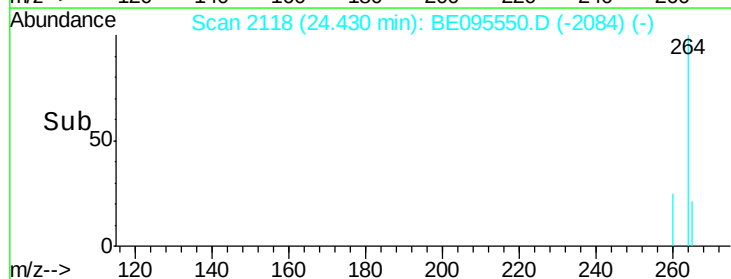
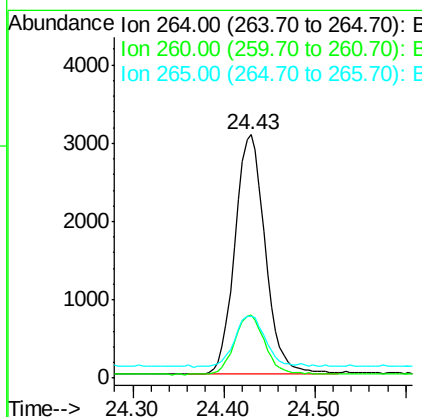
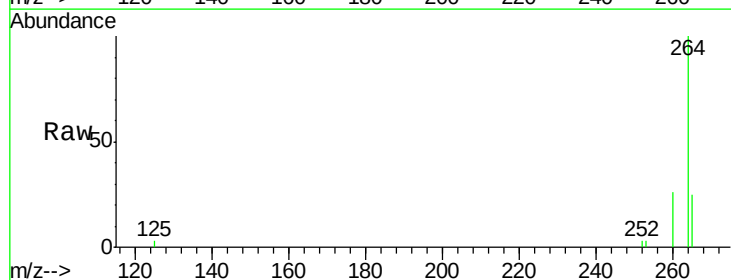
Instrument :
 BNA_E
 ClientSampleId :

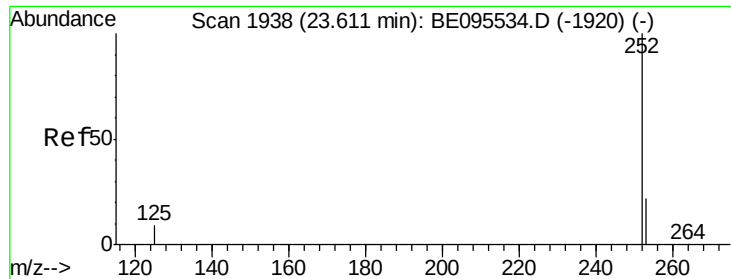
Tot Ion:276 Resp: 2071
 Ion Ratio Lower Upper
 276 100
 138 20.6 22.5 33.7#
 277 24.0 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BE095550.D
 Acq: 7 Feb 2018 12:54

Tgt Ion:264 Resp: 7139
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.5 30.7
 265 25.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.084 ng

RT: 23.66 min Scan# 1950

Delta R.T. 0.05 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :

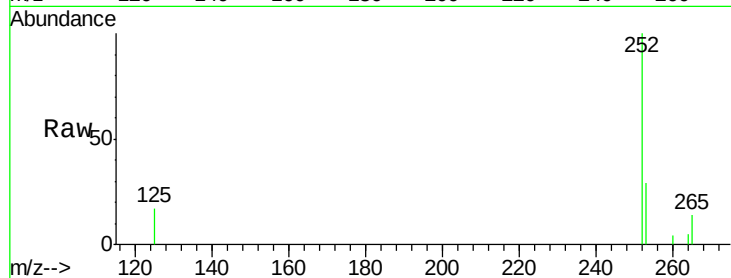
Tot Ion:252 Resp: 2052

Ion Ratio Lower Upper

252 100

253 29.5 20.0 30.0

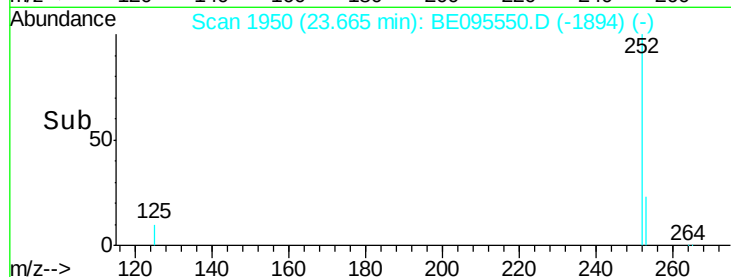
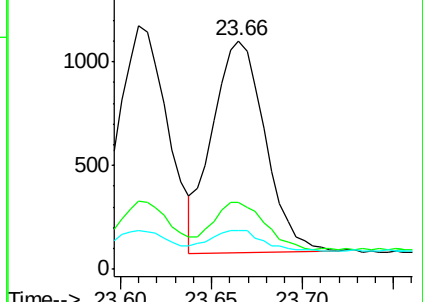
125 16.7 16.0 24.0



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: 0.082 ng

RT: 23.66 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

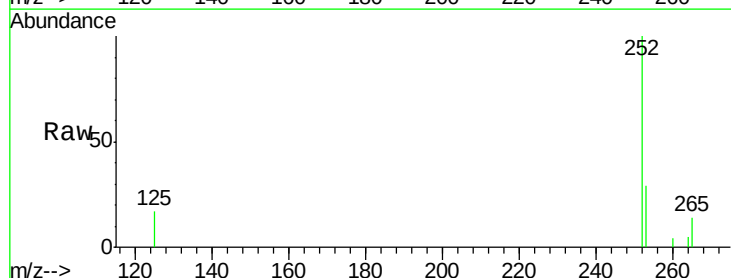
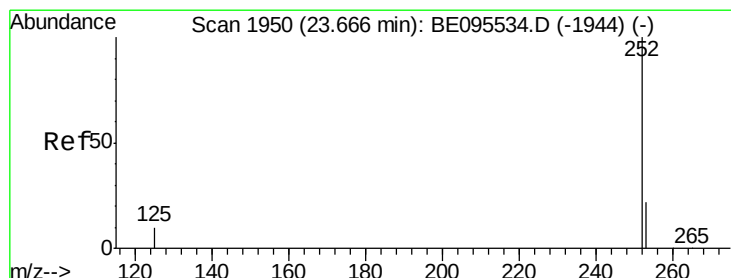
Tgt Ion:252 Resp: 2052

Ion Ratio Lower Upper

252 100

253 29.5 16.0 24.0#

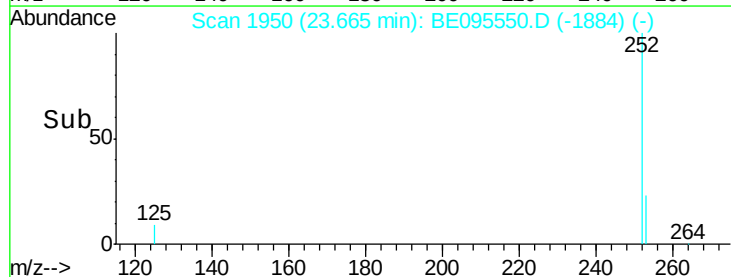
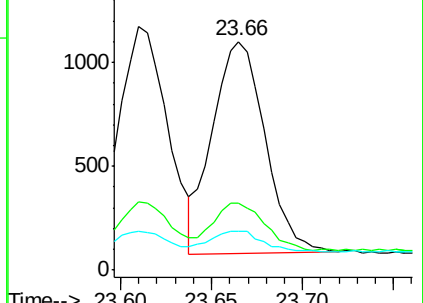
125 16.7 8.0 12.0#

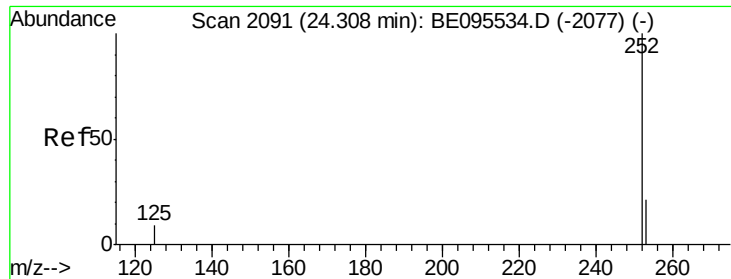


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.084 ng

RT: 24.31 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :

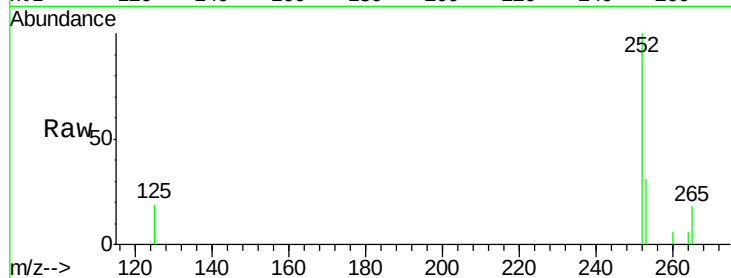
Tot Ion:252 Resp: 1900

Ion Ratio Lower Upper

252 100

253 31.3 16.0 24.0#

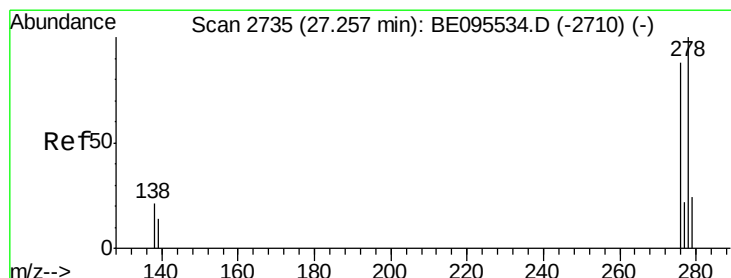
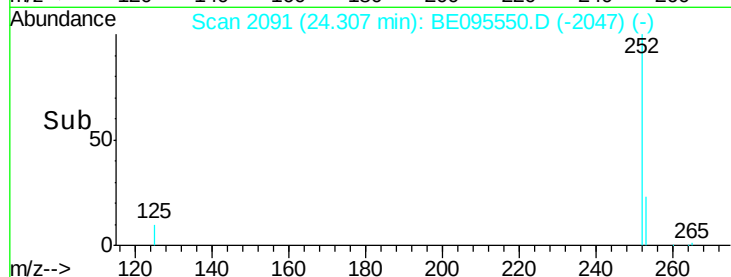
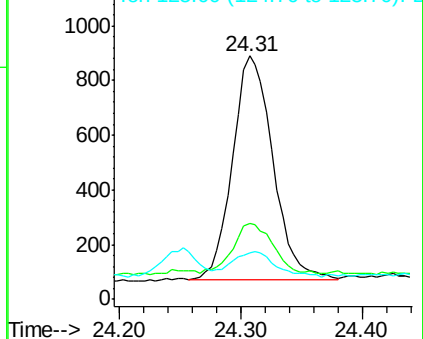
125 18.9 12.0 18.0#



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: 0.082 ng

RT: 27.25 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

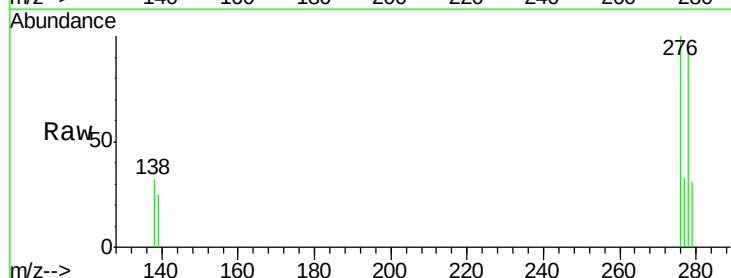
Tgt Ion:278 Resp: 1626

Ion Ratio Lower Upper

278 100

139 27.5 16.0 24.0#

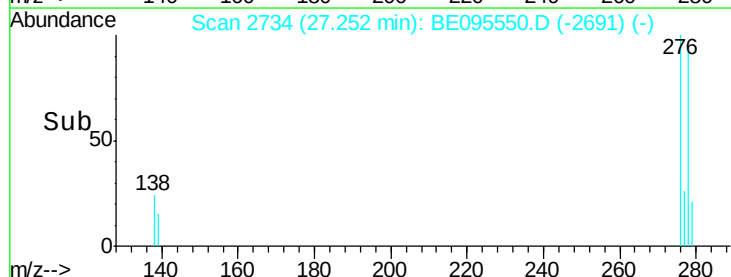
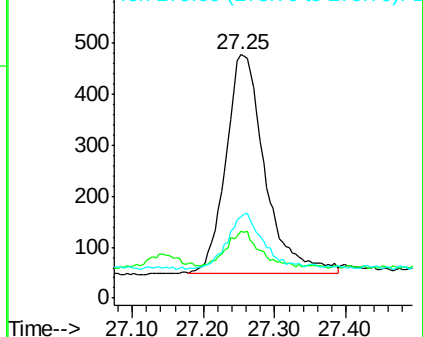
279 33.5 20.0 30.0#

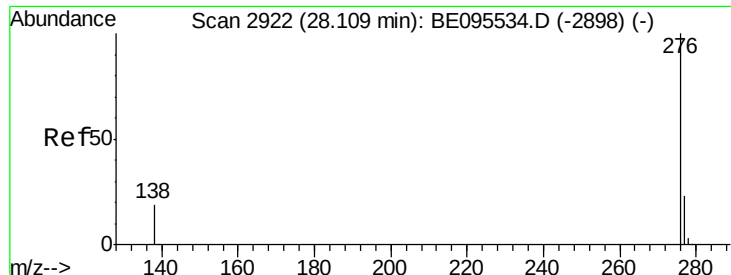


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.081 ng

RT: 28.11 min Scan# 2922

Delta R.T. 0.00 min

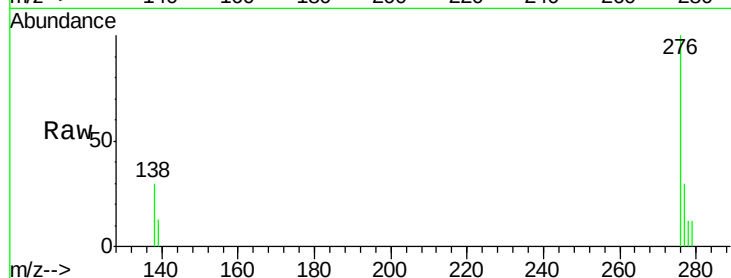
Lab File: BE095550.D

Acq: 7 Feb 2018 12:54

Instrument :

BNA_E

ClientSampleId :



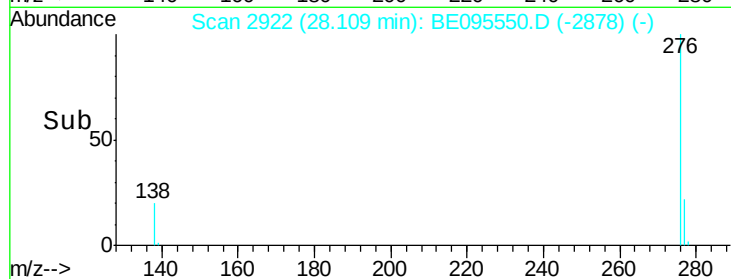
Tot Ion: 276 Resp: 1735

Ion Ratio Lower Upper

276 100

277 30.2 16.0 24.0#

138 29.8 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

