

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097563.D
 Acq On : 20 Sep 2018 5:53
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 06:53:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	741	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3843	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2684	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7985	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9085	0.40	ng	0.00
34) Perylene-d12	23.20	264	9115	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	848	0.38	ng	0.01
5) Phenol-d6	6.61	99	1108	0.39	ng	0.01
8) Nitrobenzene-d5	8.53	82	1077	0.36	ng	0.01
11) 2-Methylnaphthalene-d10	11.72	152	2295	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	486	0.46	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	3529	0.37	ng	-0.01
25) Fluoranthene-d10	18.80	212	34367	0.34	ng	0.00
29) Terphenyl-d14	19.42	244	6880	0.41	ng	0.00

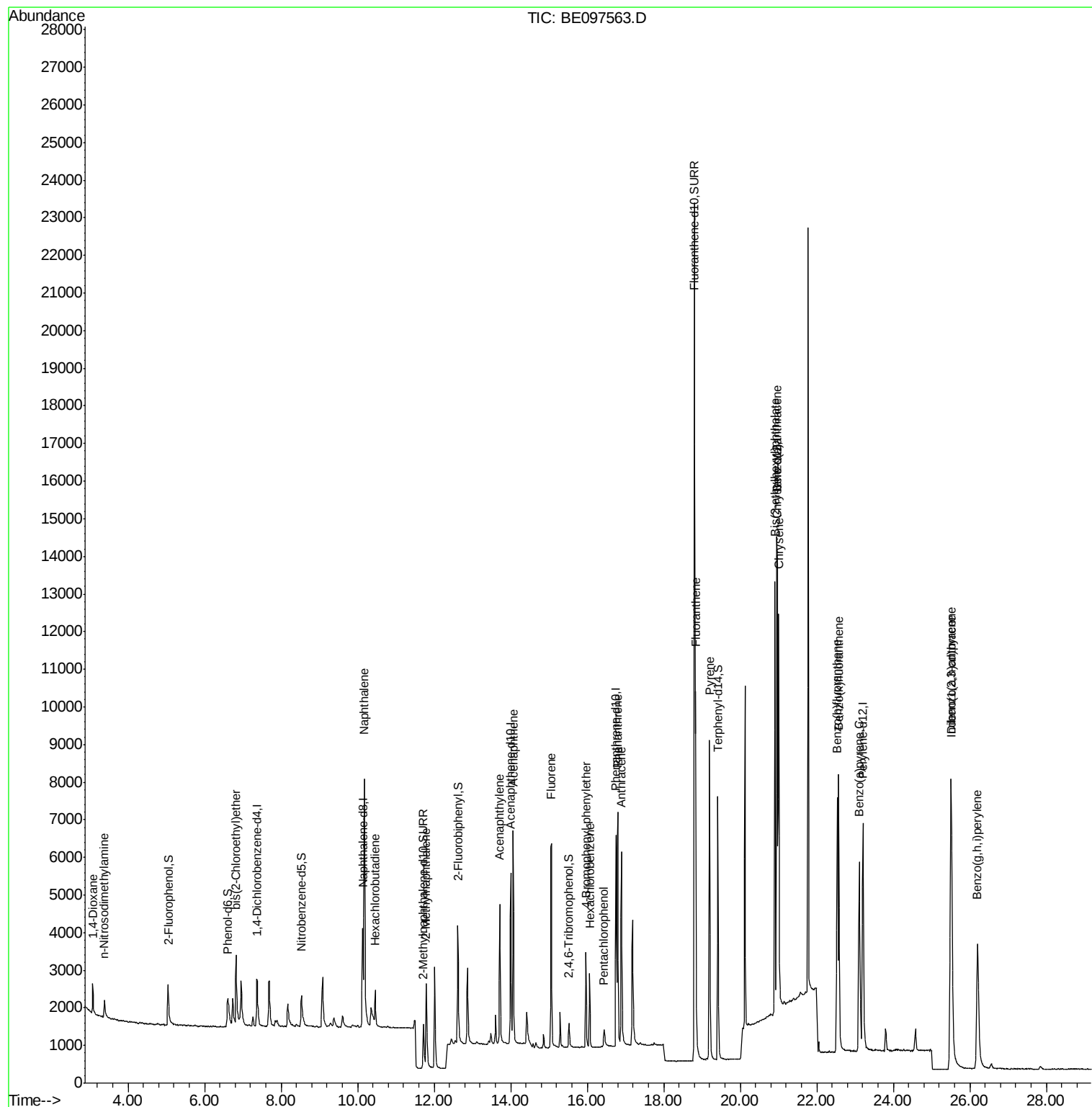
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	475	0.373	ng	# 88
3) n-Nitrosodimethylamine	3.37	42	363	0.340	ng	# 80
6) bis(2-Chloroethyl)ether	6.83	93	1033	0.392	ng	71
9) Naphthalene	10.17	128	13650	0.394	ng	99
10) Hexachlorobutadiene	10.46	225	603	0.378	ng	98
12) 2-Methylnaphthalene	11.79	142	2341	0.433	ng	98
16) Acenaphthylene	13.71	152	4413	0.416	ng	99
17) Acenaphthene	14.06	154	2885	0.406	ng	96
18) Fluorene	15.06	166	3950	0.426	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	1414	0.393	ng	# 84
21) Hexachlorobenzene	16.07	284	1615	0.408	ng	# 85
22) Pentachlorophenol	16.44	266	404	0.357	ng	# 80
23) Phenanthrene	16.80	178	7465	0.394	ng	99
24) Anthracene	16.89	178	6475	0.386	ng	95
26) Fluoranthene	18.83	202	8955	0.340	ng	98
28) Pyrene	19.20	202	9157	0.443	ng	99
30) Benzo(a)anthracene	20.95	228	8849	0.387	ng	96
31) Chrysene	21.00	228	9617	0.392	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	14348	0.384	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.50	276	11559	0.391	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8846	0.379	ng	# 90
36) Benzo(k)fluoranthene	22.57	252	10361	0.388	ng	# 91
37) Benzo(a)pyrene	23.11	252	8875	0.392	ng	# 93
38) Dibenzo(a,h)anthracene	25.52	278	9666	0.394	ng	# 95
39) Benzo(g,h,i)perylene	26.20	276	9319	0.391	ng	# 89

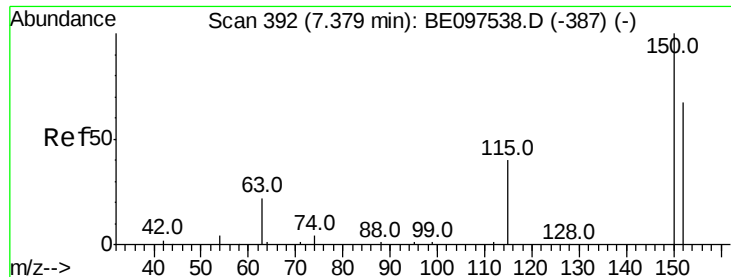
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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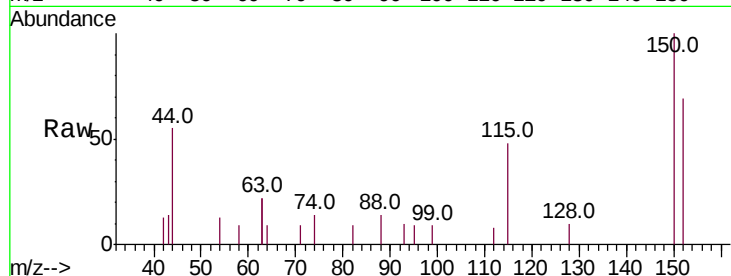


#1

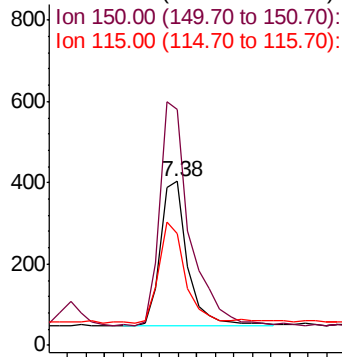
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

Instrument :
BNA_E
ClientSampled :

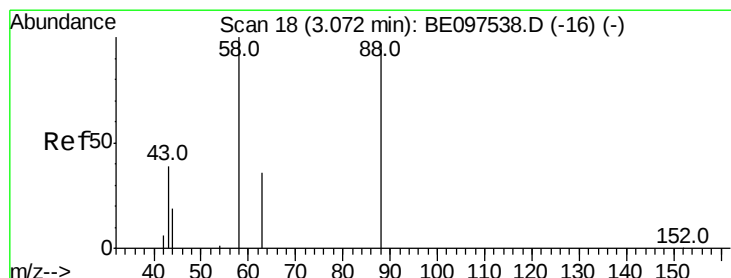
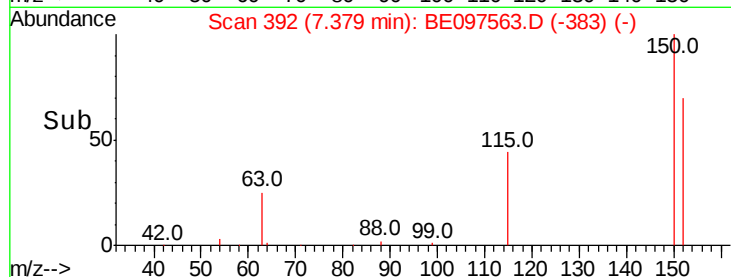
Tot Ion:152 Resp: 741
Ion Ratio Lower Upper
152 100
150 144.2 117.2 175.8
115 68.5 57.0 85.6



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



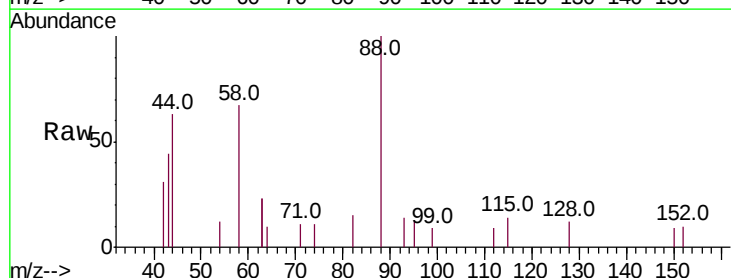
Time-->



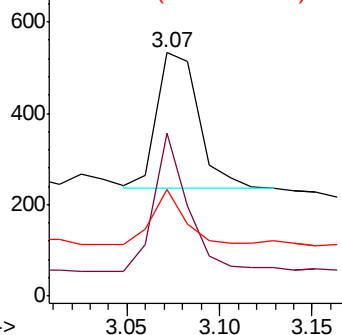
#2

1,4-Dioxane
Concen: 0.373 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

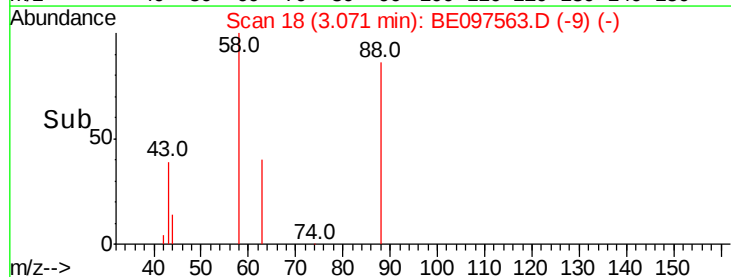
Tgt Ion: 88 Resp: 475
Ion Ratio Lower Upper
88 100
58 79.8 63.2 94.8
43 31.4 41.2 61.8#



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



Time-->



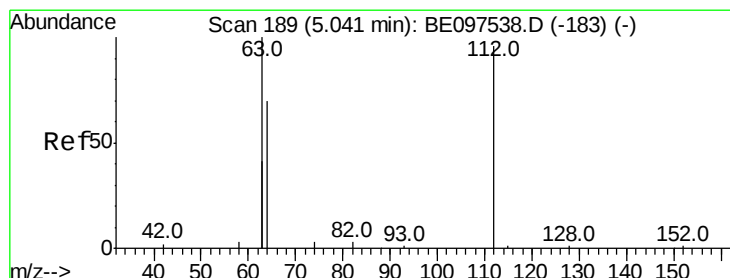
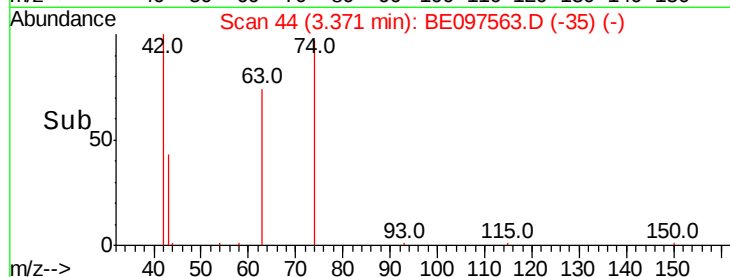
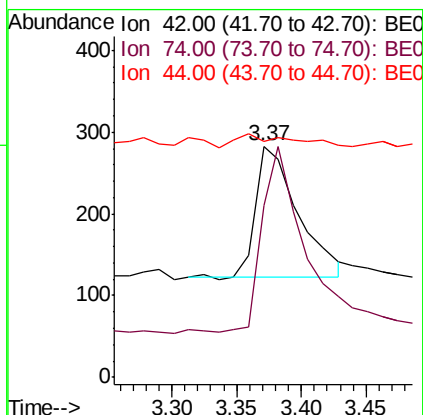
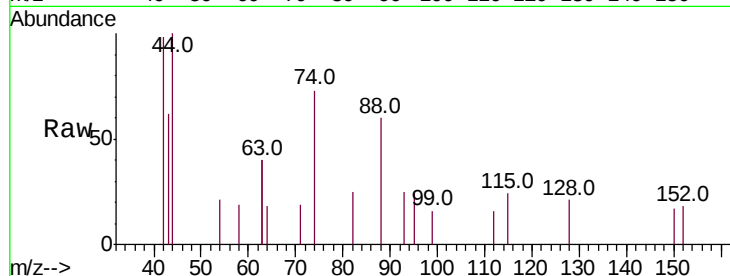


#3

n-Nitrosodimethylamine
 Concen: 0.340 ng
 RT: 3.37 min Scan# 44
 Delta R.T. -0.00 min
 Lab File: BE097563.D
 Acq: 20 Sep 2018 5:53

Instrument :
 BNA_E
 ClientSampleId :

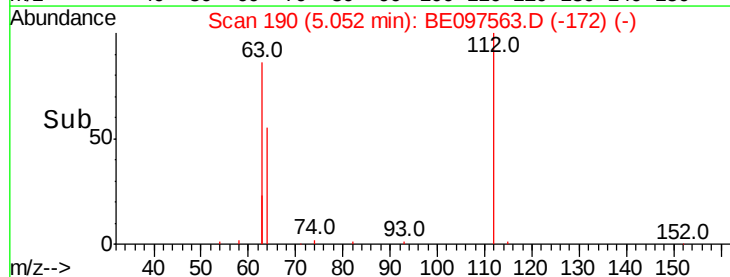
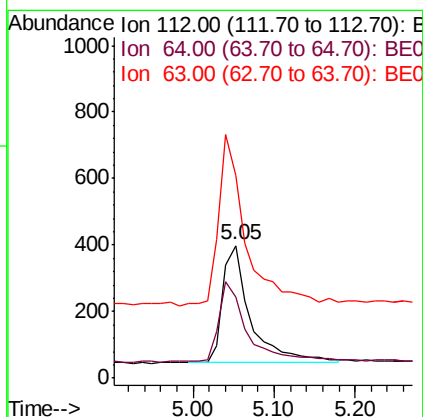
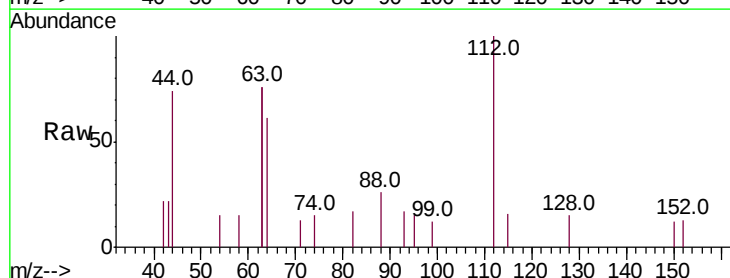
Tot Ion: 42 Resp: 363
 Ion Ratio Lower Upper
 42 100
 74 139.9 96.0 144.0
 44 0.0 12.0 18.0#

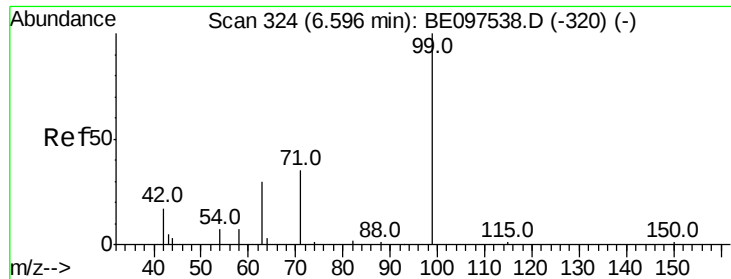


#4

2-Fluorophenol
 Concen: 0.382 ng
 RT: 5.05 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: BE097563.D
 Acq: 20 Sep 2018 5:53

Tgt Ion: 112 Resp: 848
 Ion Ratio Lower Upper
 112 100
 64 68.8 60.1 90.1
 63 143.4 116.8 175.2





#5

Phenol-d6

Concen: 0.390 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampled :

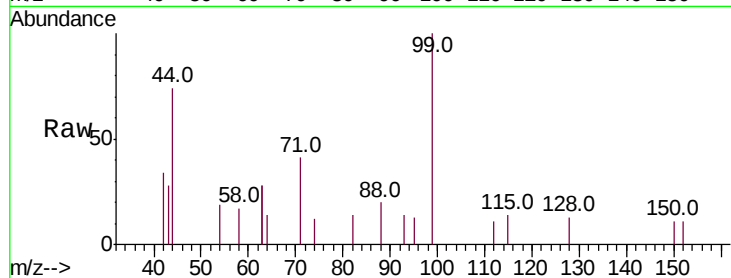
Tot Ion: 99 Resp: 1108

Ion Ratio Lower Upper

99 100

42 21.6 20.2 30.2

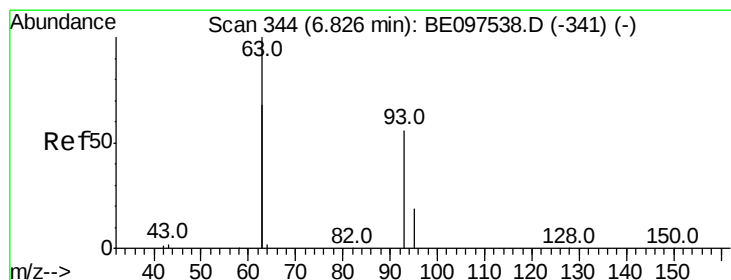
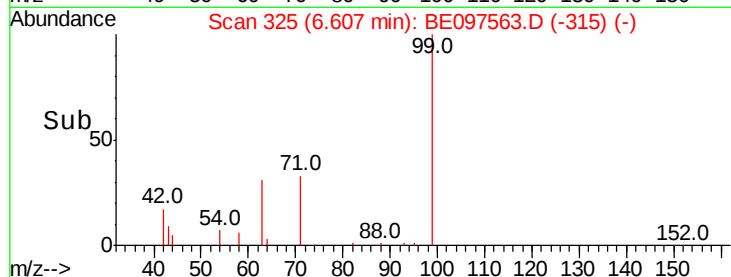
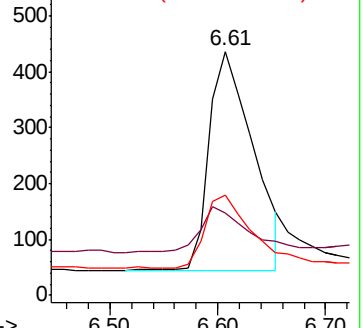
71 33.2 28.4 42.6



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: 0.392 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

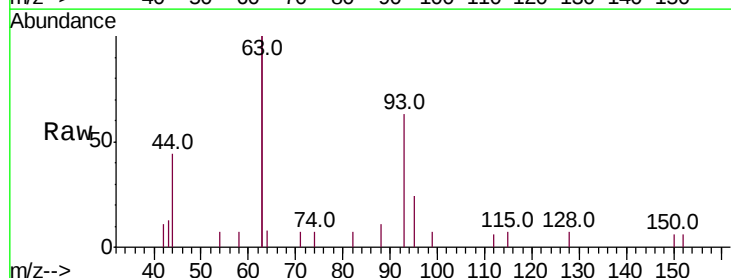
Tgt Ion: 93 Resp: 1033

Ion Ratio Lower Upper

93 100

63 276.6 275.3 412.9

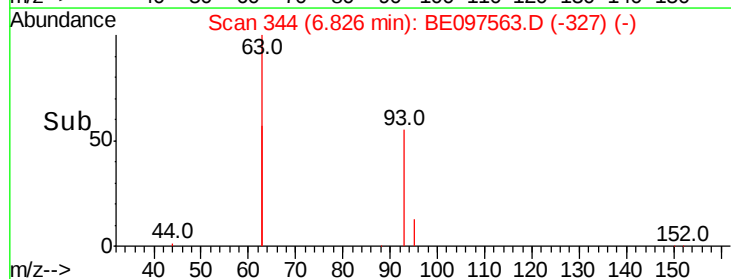
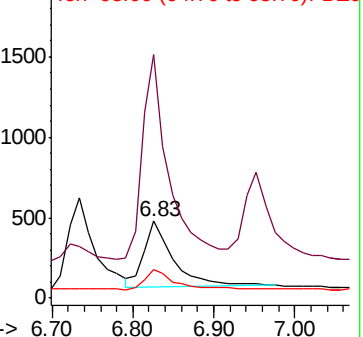
95 31.5 25.2 37.8



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: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 3843

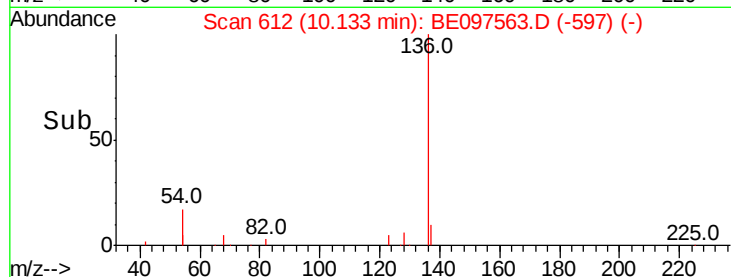
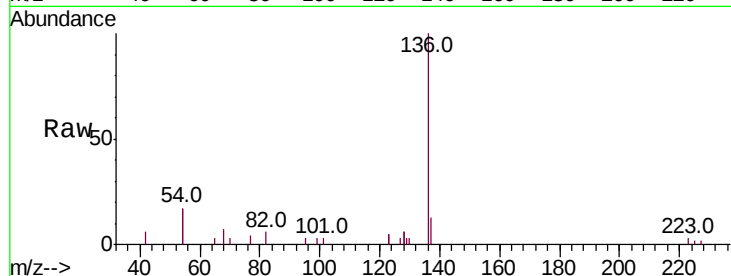
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 33.1 29.1 43.7

68 7.3 6.2 9.2

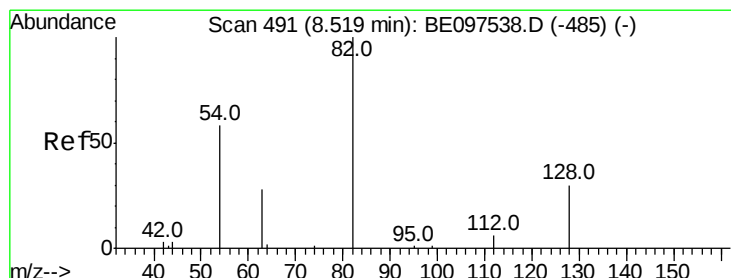
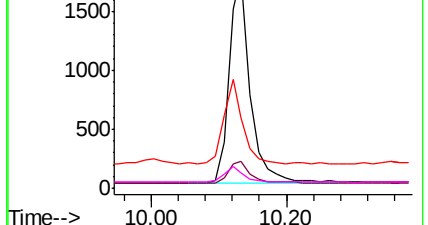


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.363 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

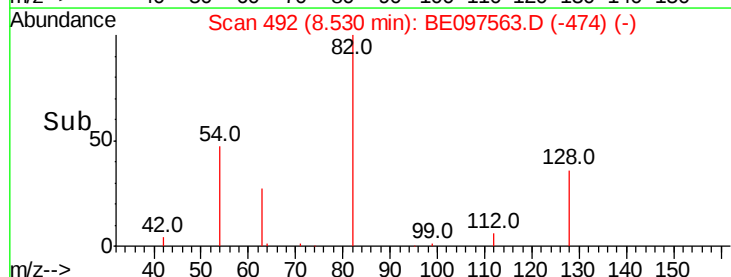
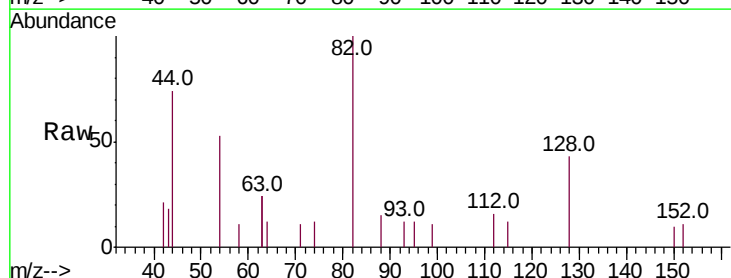
Tgt Ion: 82 Resp: 1077

Ion Ratio Lower Upper

82 100

128 43.4 24.0 36.0#

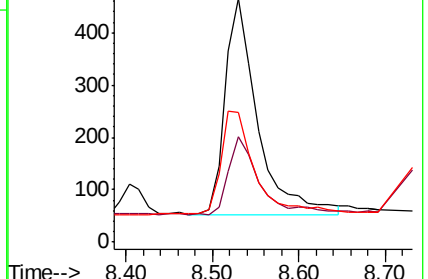
54 53.3 40.0 60.0



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: 0.394 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

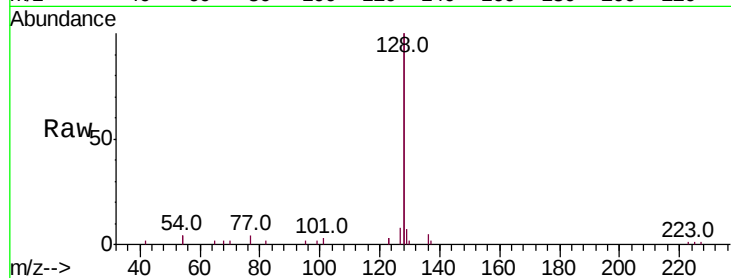
Tot Ion:128 Resp: 13650

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

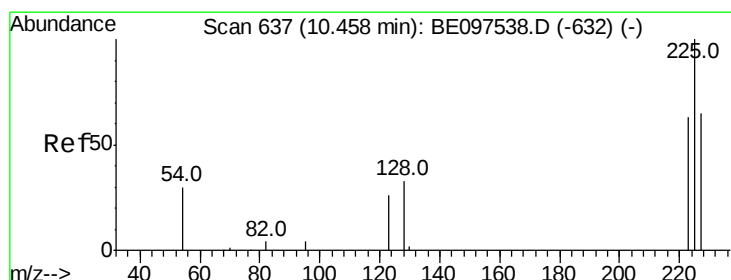
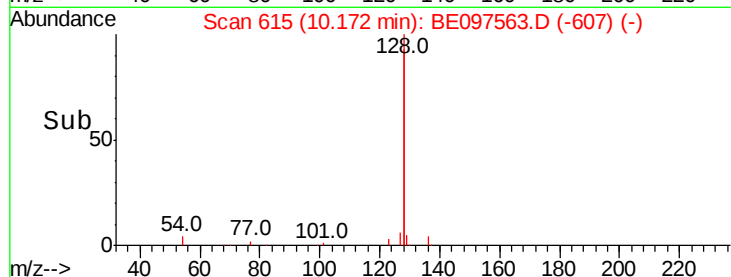
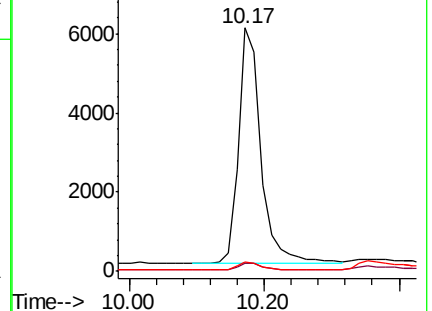
127 4.0 2.8 4.2



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: 0.378 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

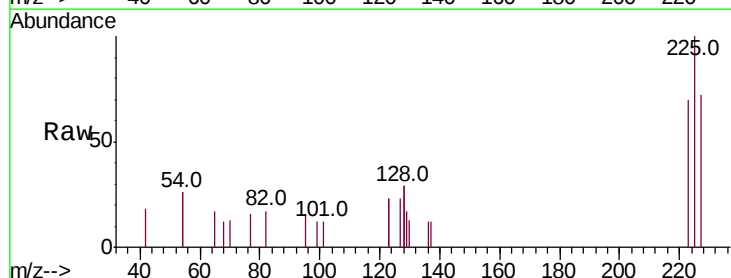
Tgt Ion:225 Resp: 603

Ion Ratio Lower Upper

225 100

223 65.3 53.0 79.6

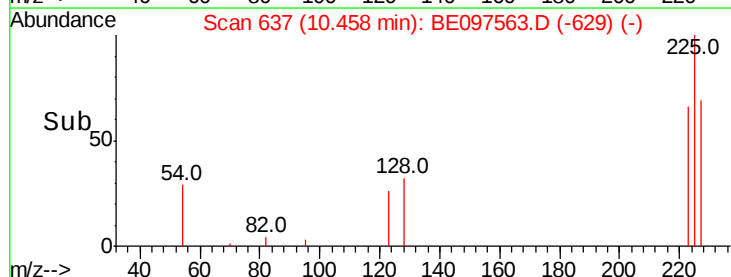
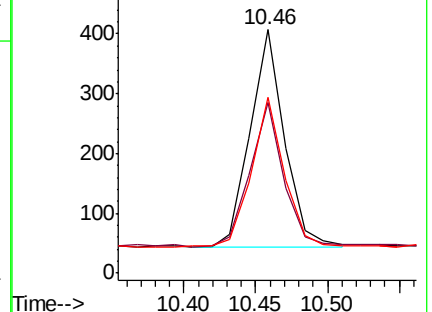
227 65.8 51.4 77.2



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: 0.433 ng

RT: 11.72 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

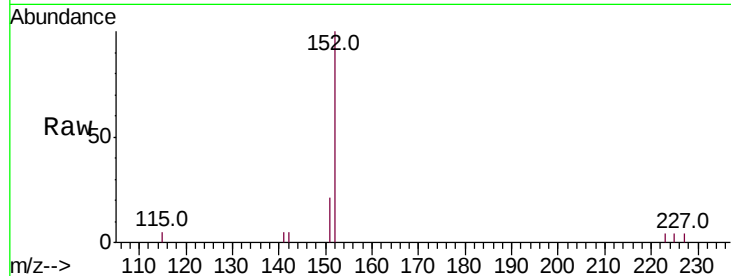
ClientSampleId :

Tot Ion:152 Resp: 2295

Ion Ratio Lower Upper

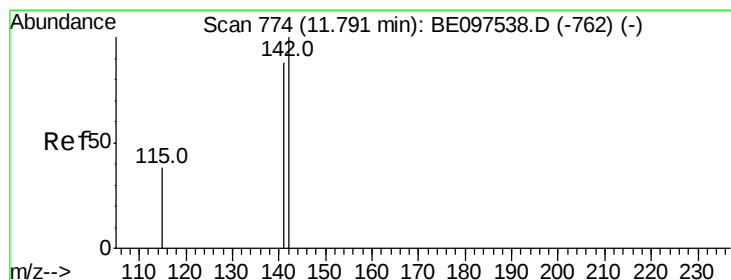
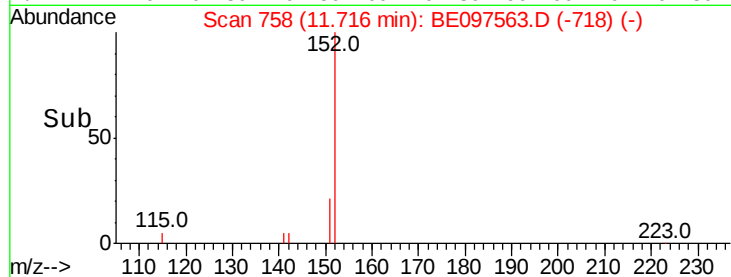
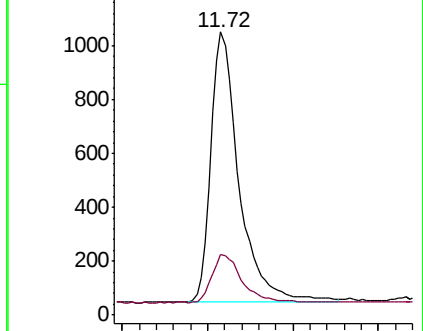
152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.433 ng

RT: 11.79 min Scan# 774

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

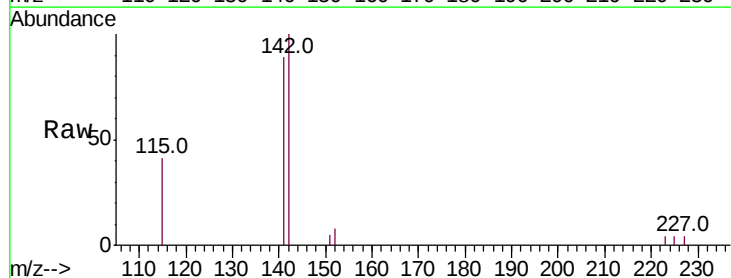
Tgt Ion:142 Resp: 2341

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

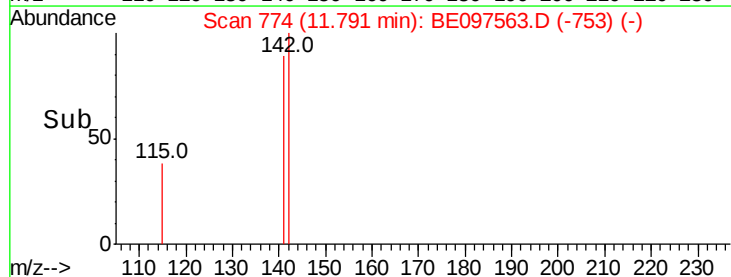
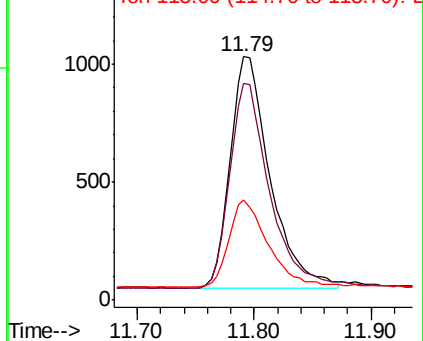
115 41.2 31.7 47.5



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

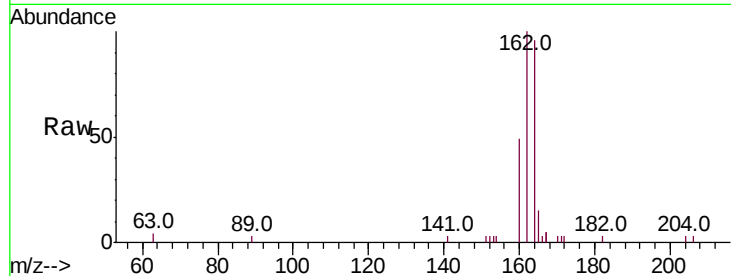




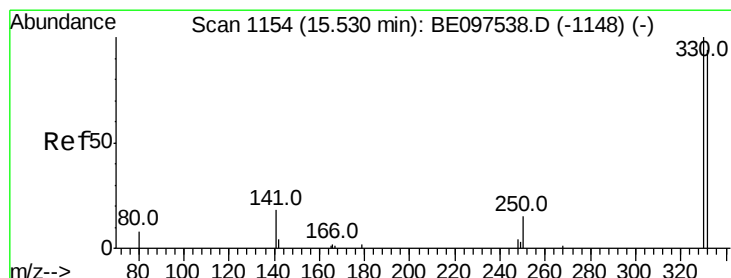
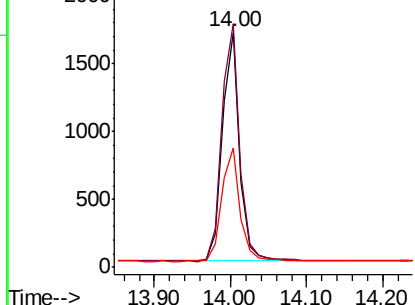
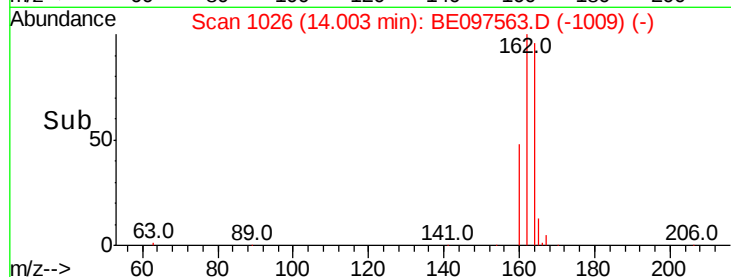
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BE097563.D
 Acq: 20 Sep 2018 5:53

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2684
 Ion Ratio Lower Upper
 164 100
 162 103.7 83.1 124.7
 160 50.7 37.1 55.7

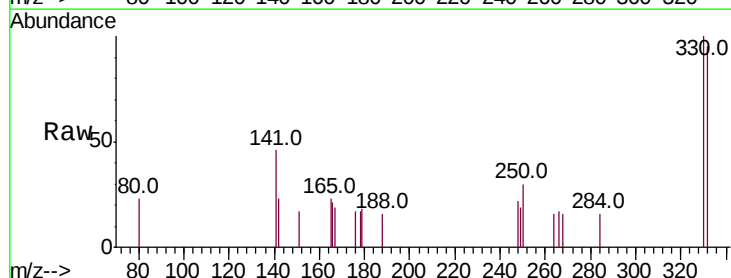


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

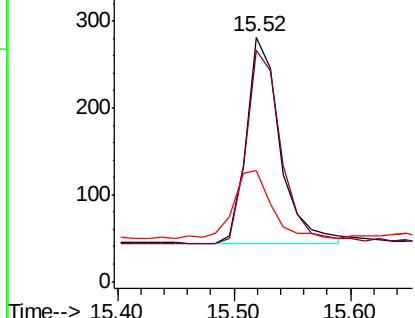
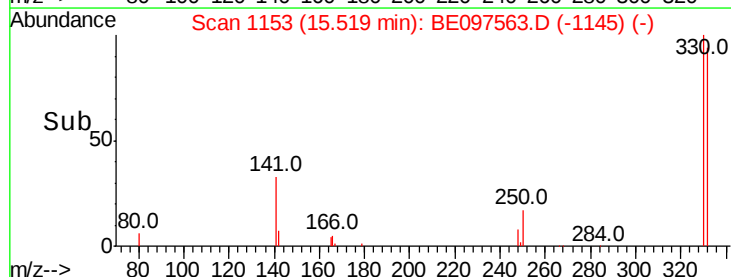


#14
 2,4,6-Tribromophenol
 Concen: 0.463 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE097563.D
 Acq: 20 Sep 2018 5:53

Tgt Ion:330 Resp: 486
 Ion Ratio Lower Upper
 330 100
 332 97.1 152.7 229.1#
 141 35.8 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

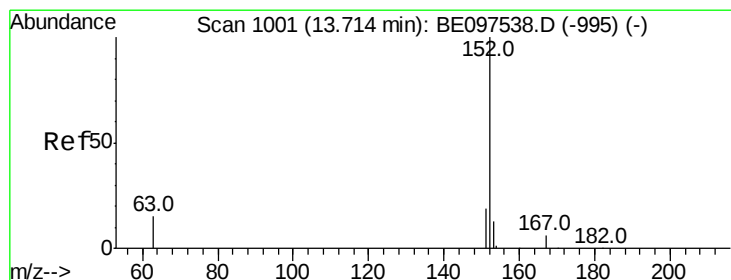
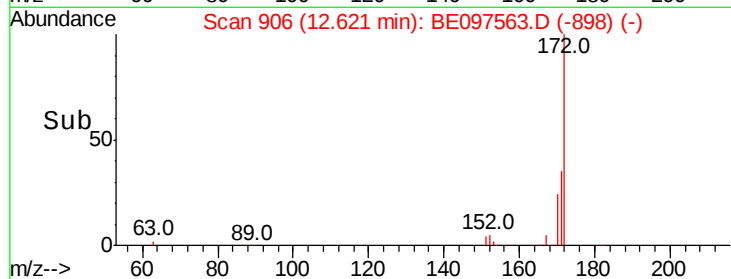
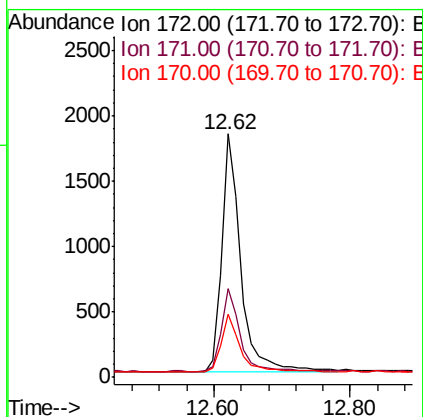
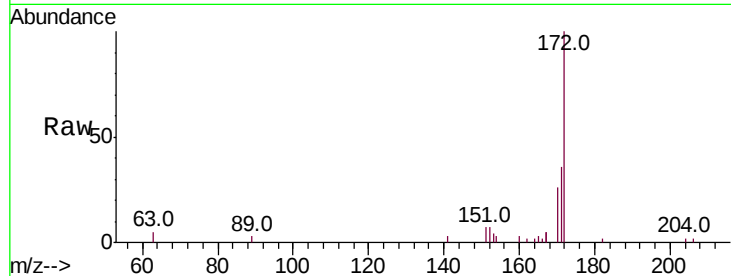




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.01 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

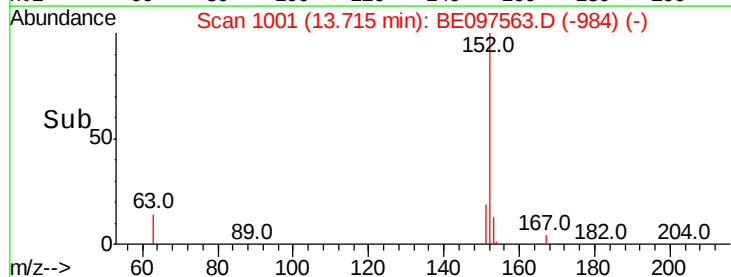
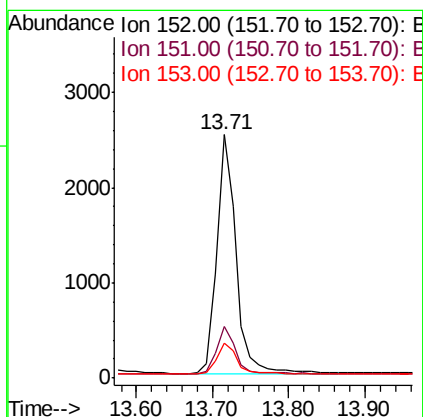
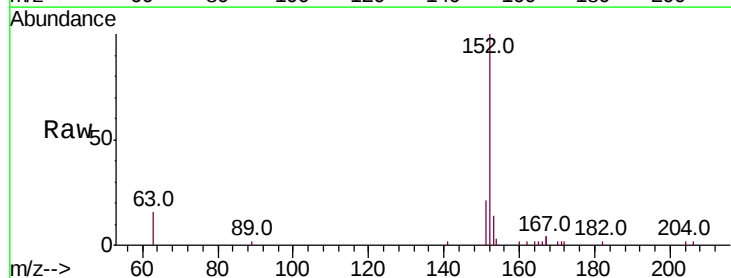
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3529
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 25.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.416 ng
RT: 13.71 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

Tgt Ion:152 Resp: 4413
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.406 ng

RT: 14.06 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

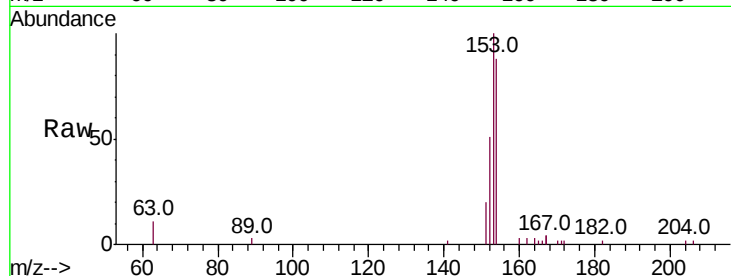
Tot Ion:154 Resp: 2885

Ion Ratio Lower Upper

154 100

153 114.3 89.2 133.8

152 56.4 42.0 63.0

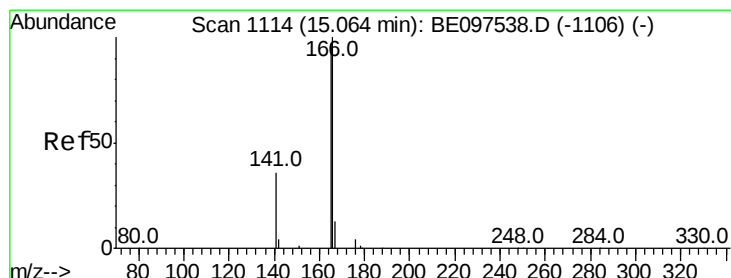
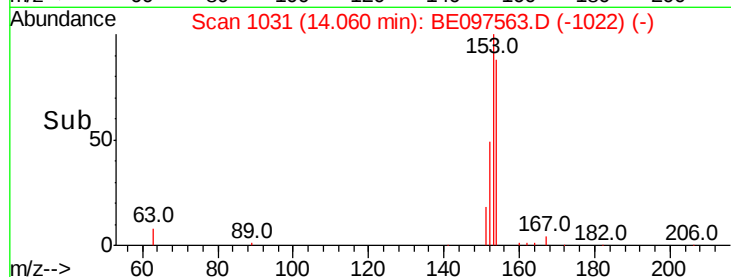
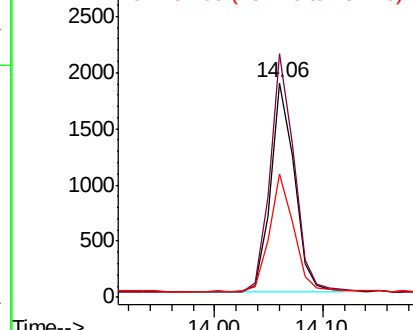


Abundance

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: 0.426 ng

RT: 15.06 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

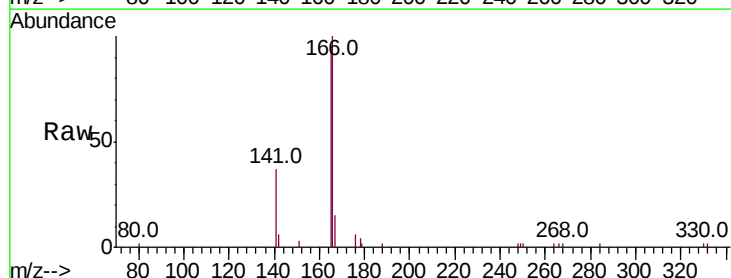
Tgt Ion:166 Resp: 3950

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

167 13.2 42.4 63.6#

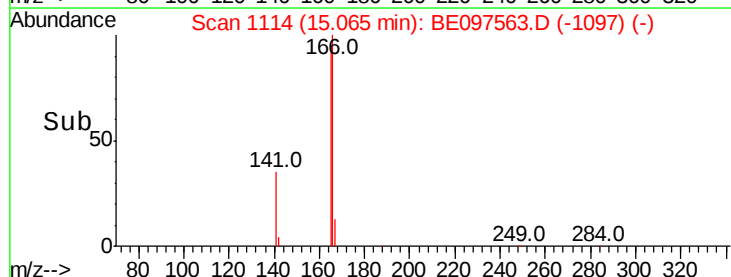
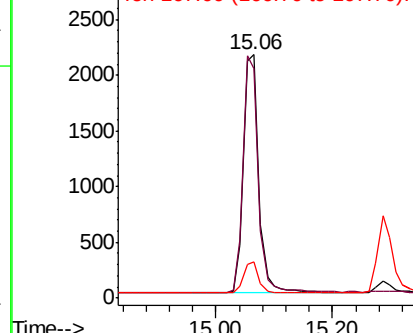


Abundance

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: 16.75 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

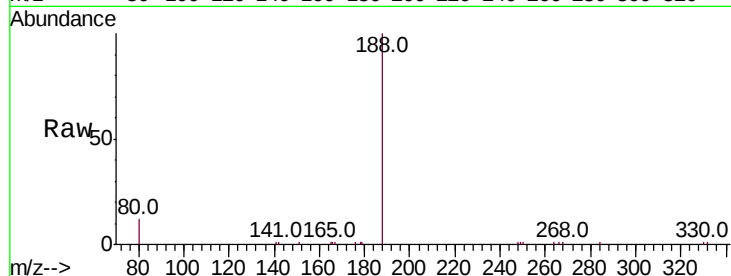
Tot Ion:188 Resp: 7985

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

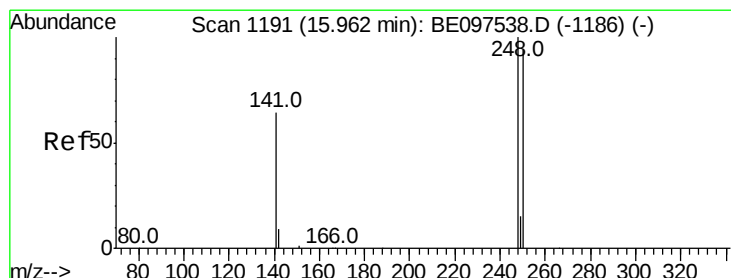
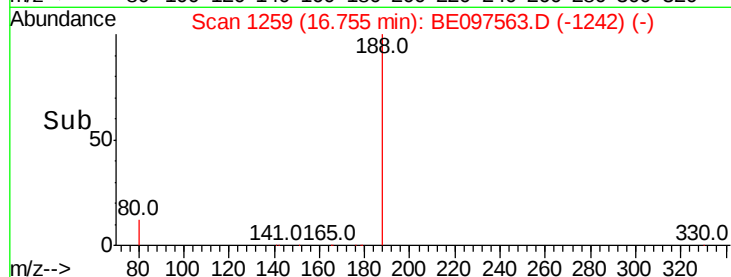
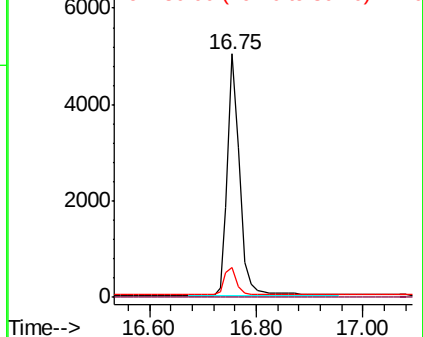
80 12.4 3.6 5.4#



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: 0.393 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

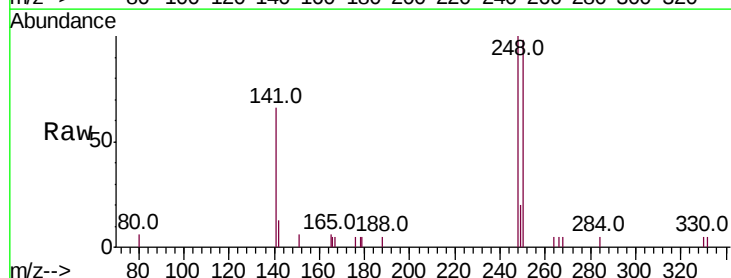
Tgt Ion:248 Resp: 1414

Ion Ratio Lower Upper

248 100

250 97.5 62.7 94.1#

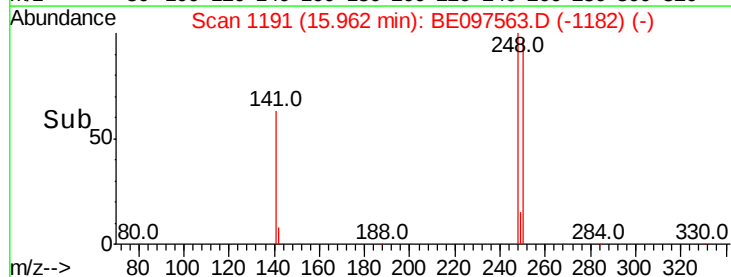
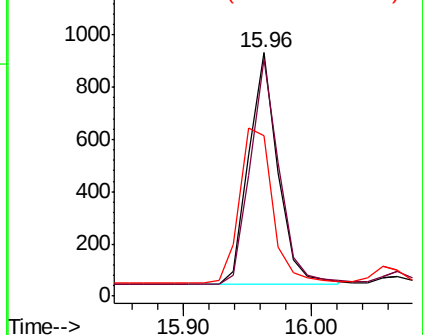
141 65.8 48.2 72.2



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

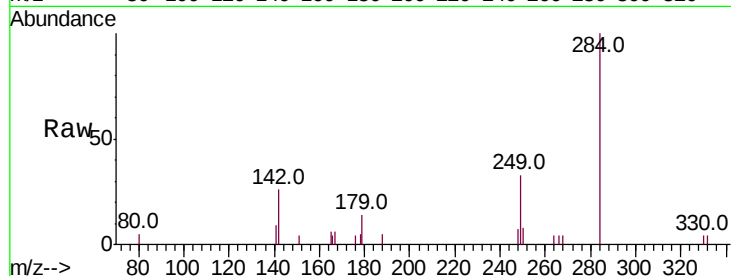




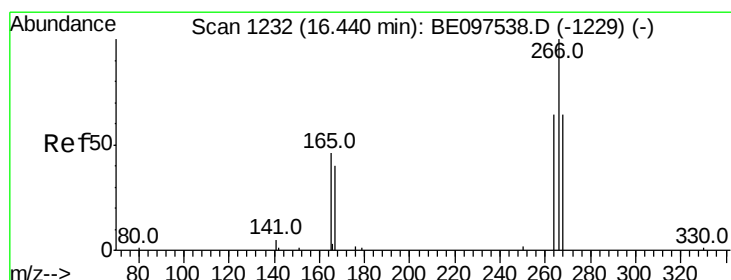
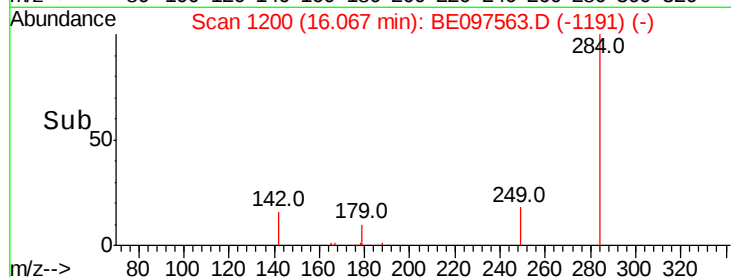
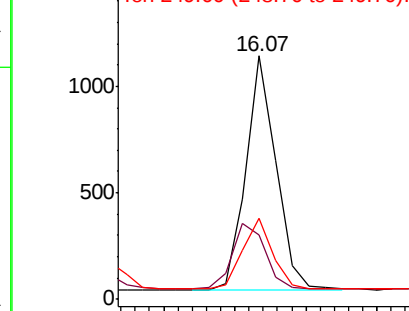
#21
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.07 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1615
Ion Ratio Lower Upper
284 100
142 30.6 22.1 33.1
249 30.4 34.8 52.2#

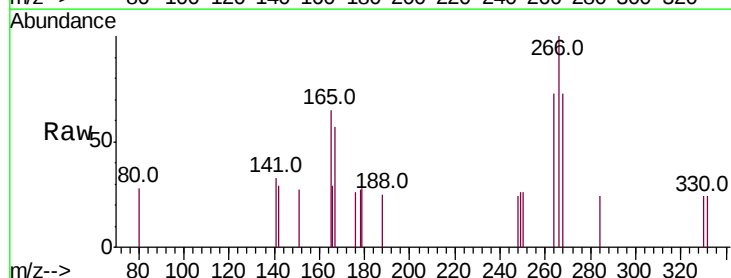


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

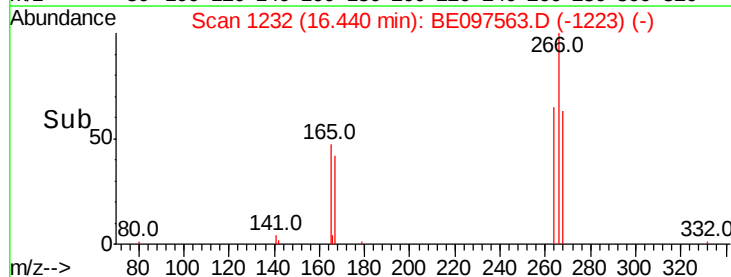
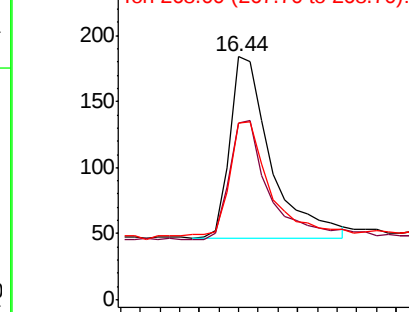


#22
Pentachlorophenol
Concen: 0.357 ng
RT: 16.44 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

Tgt Ion:266 Resp: 404
Ion Ratio Lower Upper
266 100
264 72.8 72.5 108.7
268 72.8 73.8 110.6#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.394 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

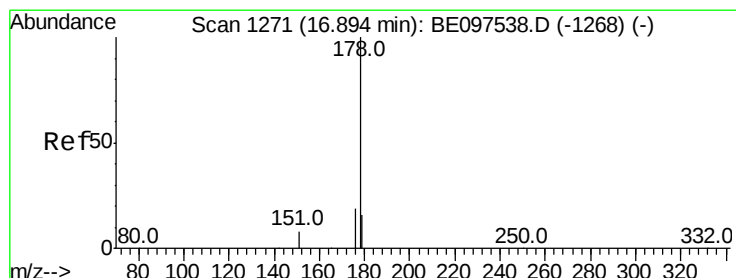
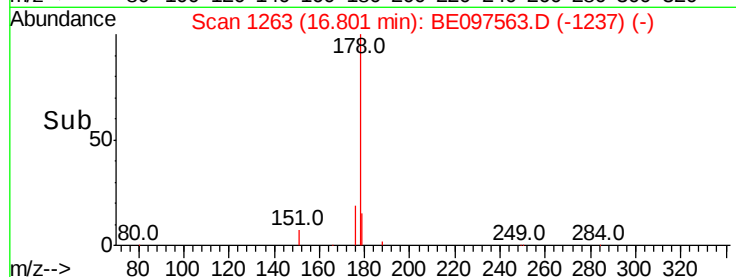
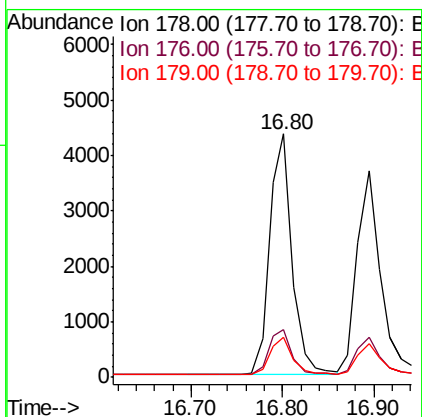
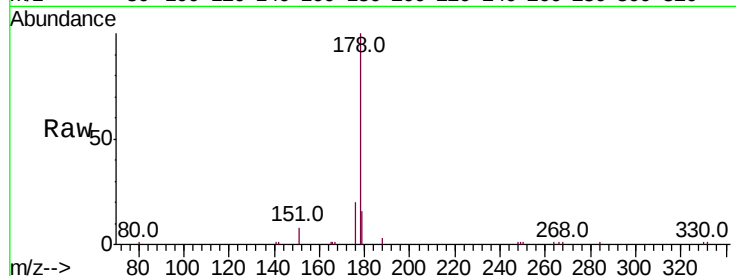
Tot Ion:178 Resp: 7465

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.2 11.8 17.6



#24

Anthracene

Concen: 0.386 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

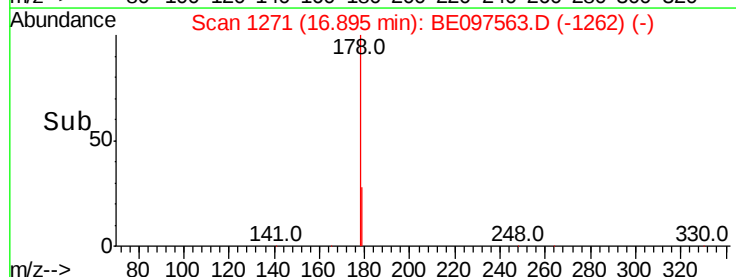
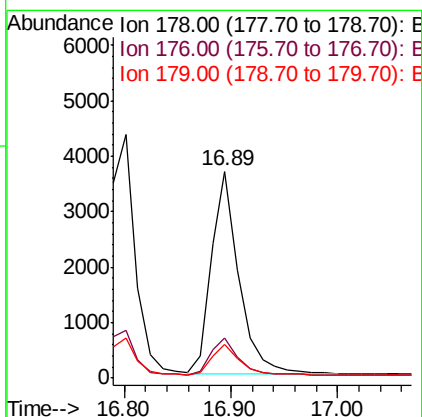
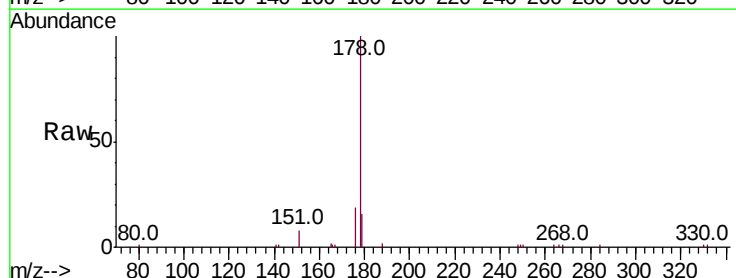
Tgt Ion:178 Resp: 6475

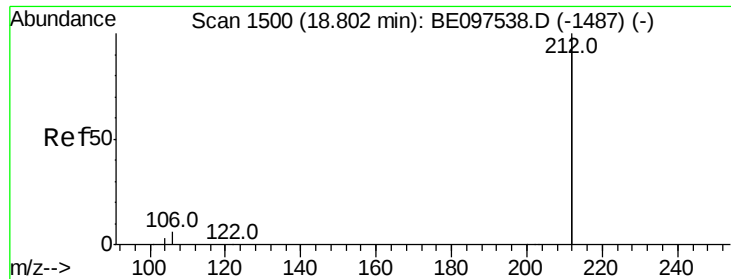
Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

179 15.1 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.336 ng

RT: 18.80 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

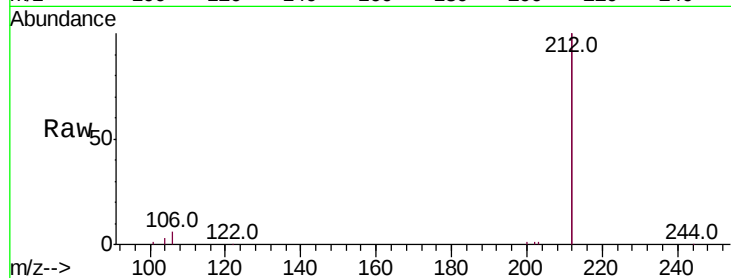
Tot Ion:212 Resp: 34367

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

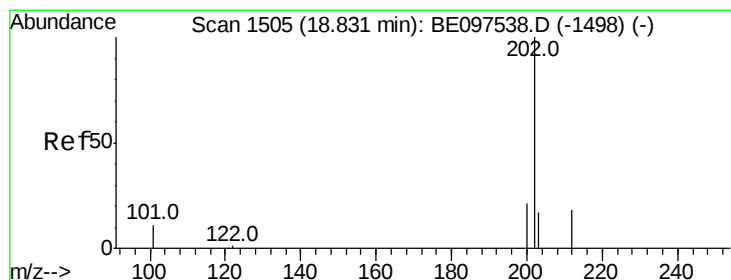
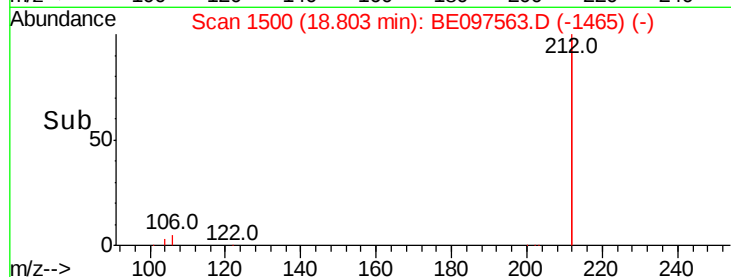
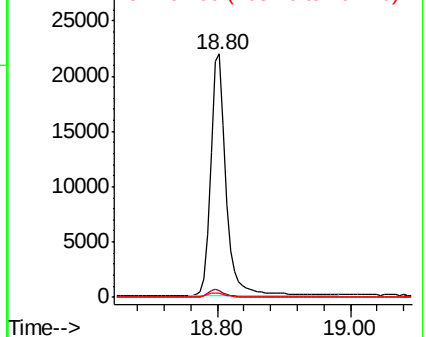
104 1.7 1.6 2.4



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: 0.340 ng

RT: 18.83 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

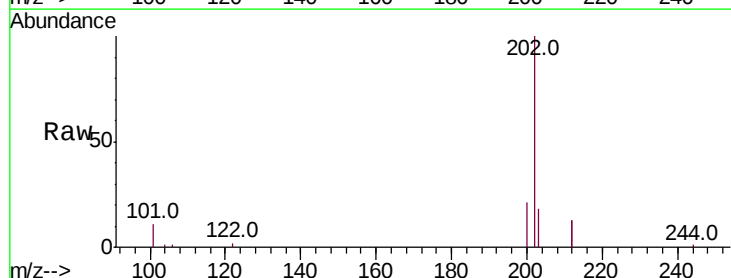
Tgt Ion:202 Resp: 8955

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

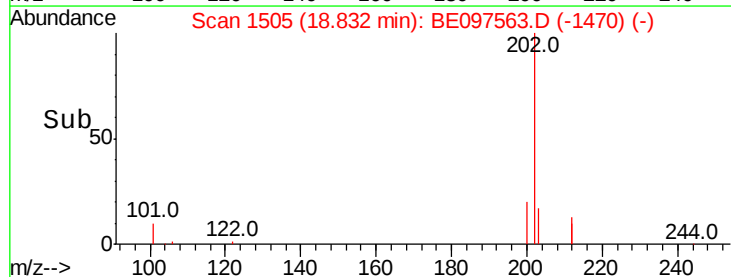
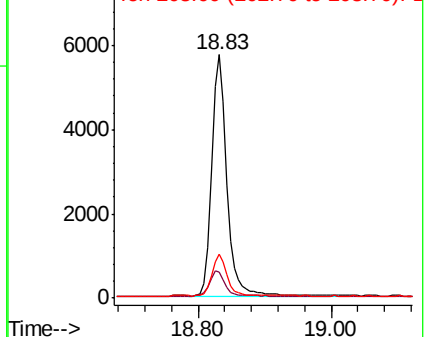
203 16.9 13.7 20.5



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: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

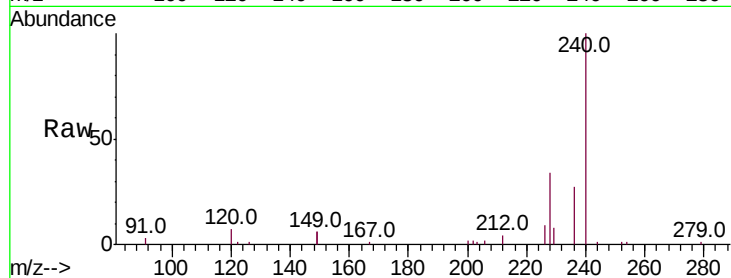
Tot Ion:240 Resp: 9085

Ion Ratio Lower Upper

240 100

120 6.5 5.5 8.3

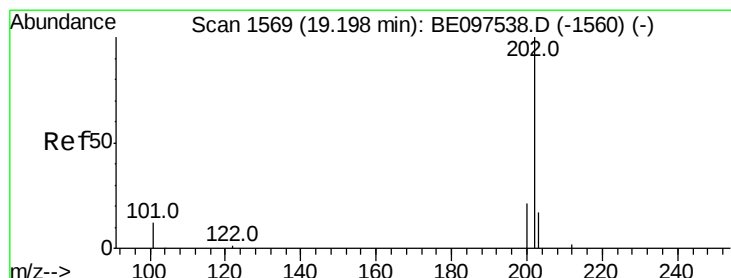
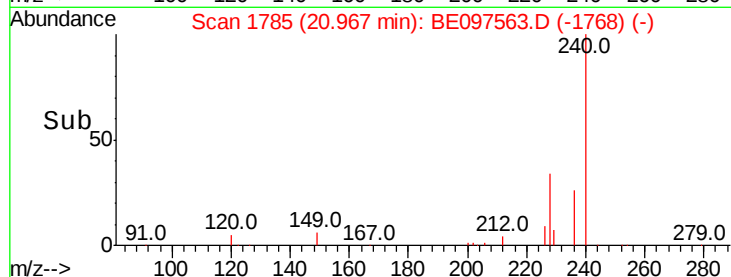
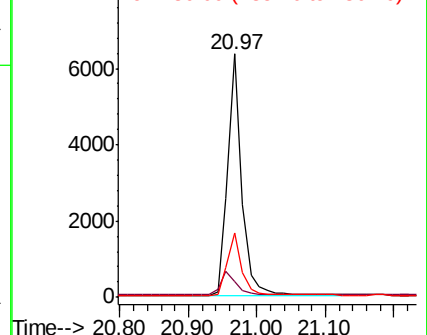
236 26.7 20.7 31.1



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: 0.443 ng

RT: 19.20 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

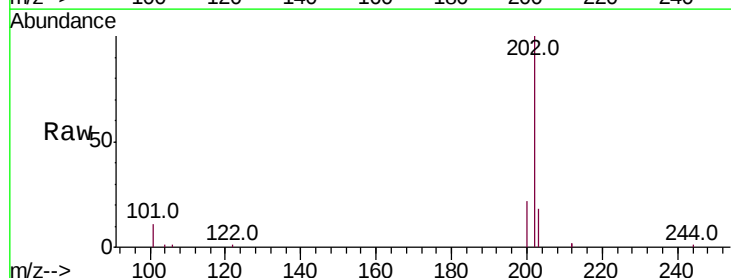
Tgt Ion:202 Resp: 9157

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

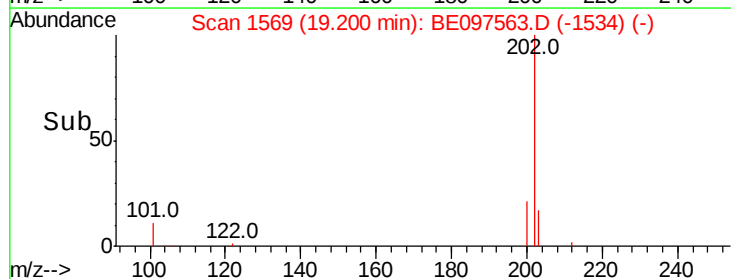
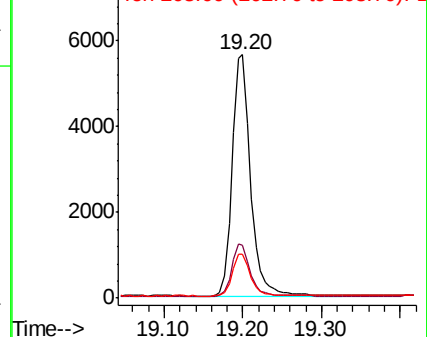
203 17.6 13.8 20.8



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: 0.414 ng

RT: 19.42 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

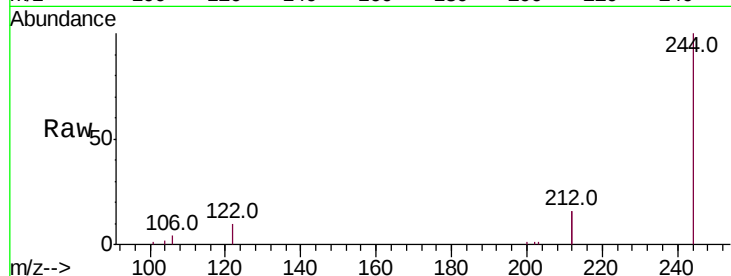
Tot Ion:244 Resp: 6880

Ion Ratio Lower Upper

244 100

212 31.9 25.4 38.0

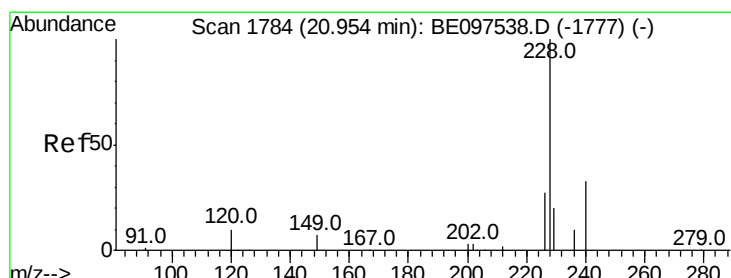
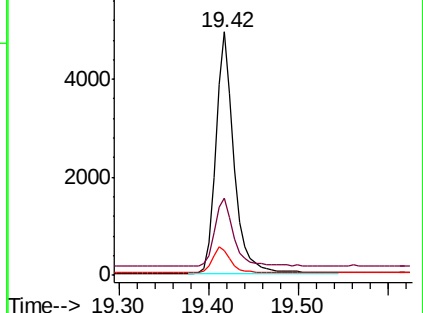
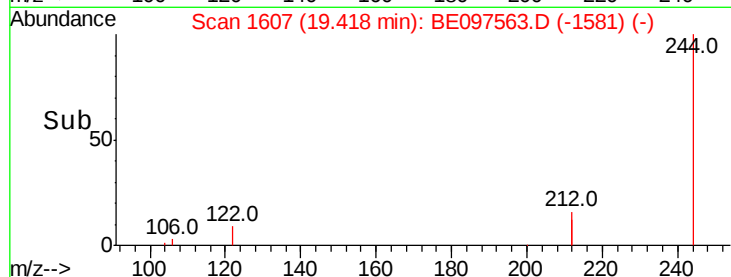
122 10.4 8.1 12.1



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: 0.387 ng

RT: 20.95 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

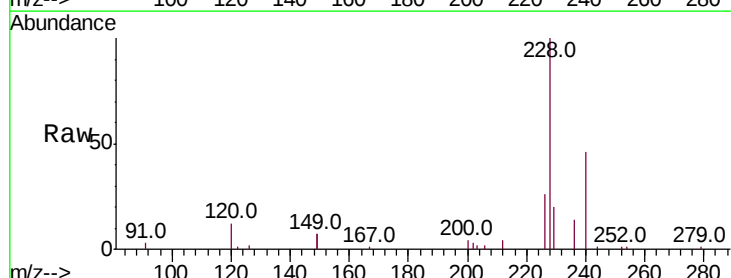
Tgt Ion:228 Resp: 8849

Ion Ratio Lower Upper

228 100

226 26.2 24.0 36.0

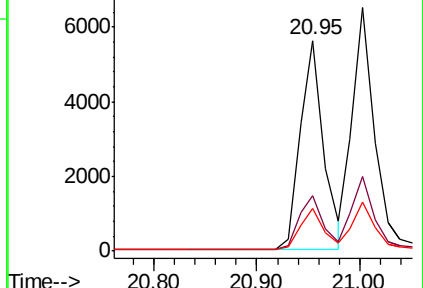
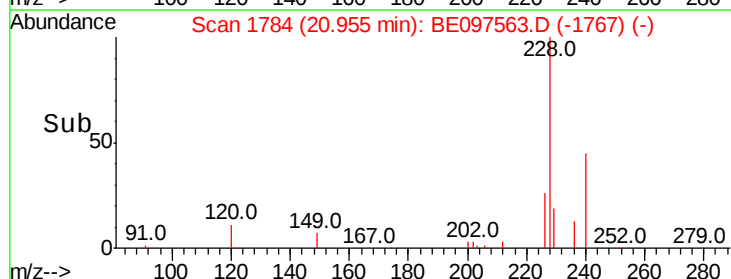
229 19.9 16.0 24.0



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: 0.392 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

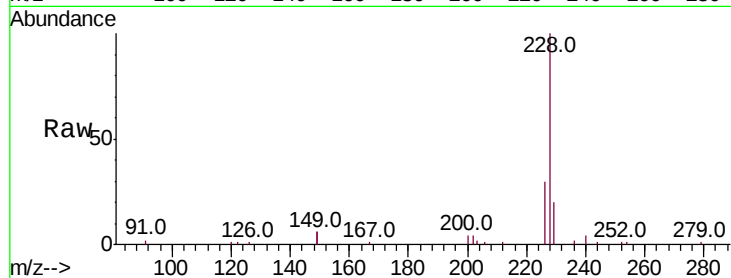
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 9617

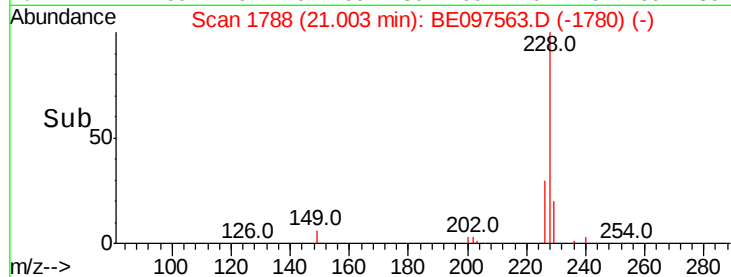
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	20.3	16.0	24.0



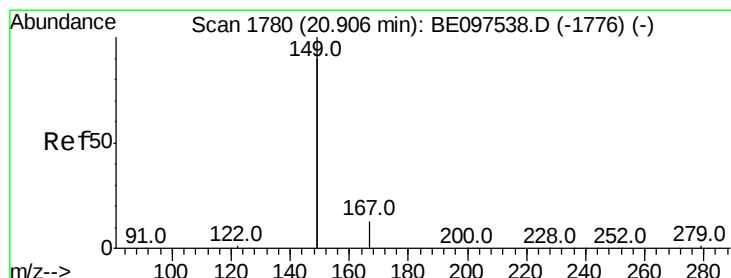
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.384 ng

RT: 20.91 min Scan# 1780

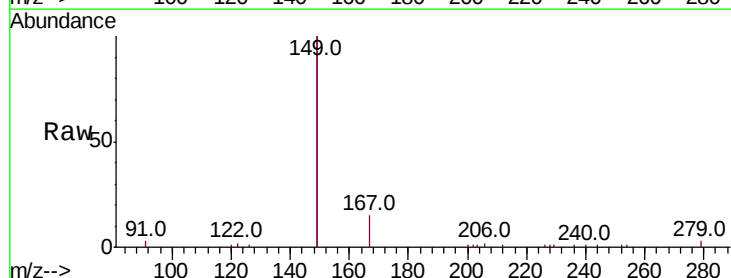
Delta R.T. 0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Tgt Ion:149 Resp: 14348

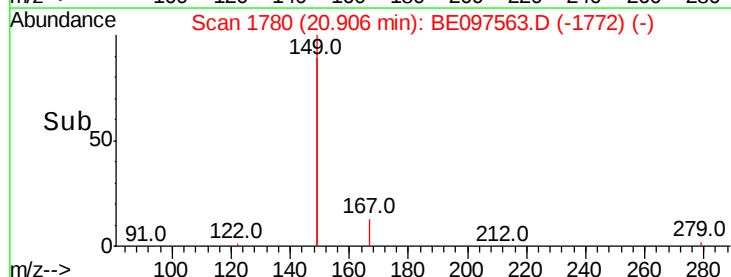
Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.2	0.7	1.1#



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



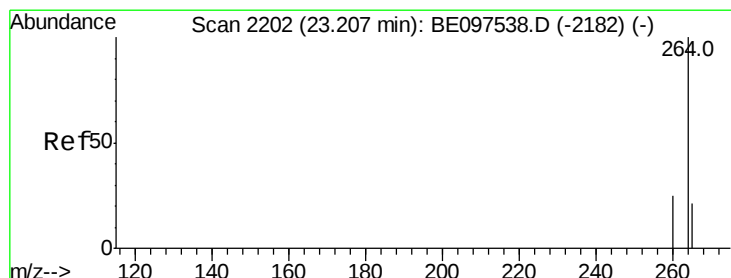
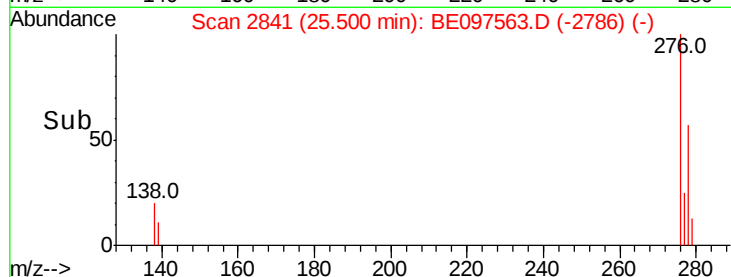
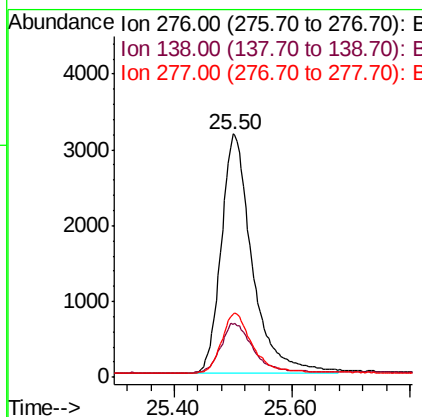
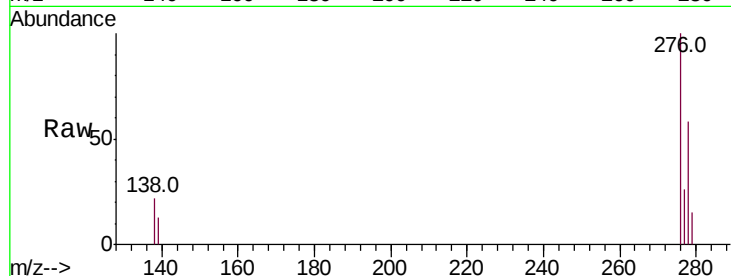
Time-->



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.391 ng
 RT: 25.50 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: BE097563.D
 Acq: 20 Sep 2018 5:53

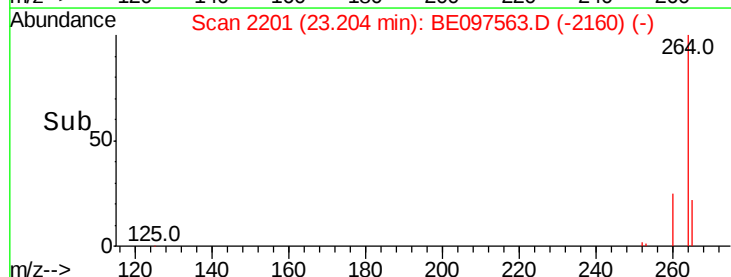
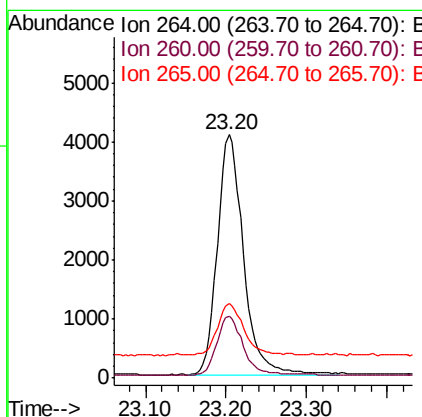
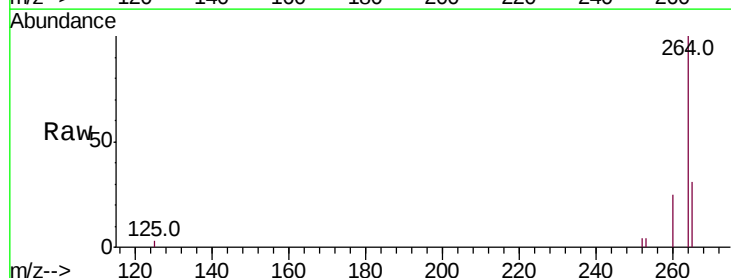
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 11559
 Ion Ratio Lower Upper
 276 100
 138 21.8 22.5 33.7#
 277 25.1 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2201
 Delta R.T. -0.00 min
 Lab File: BE097563.D
 Acq: 20 Sep 2018 5:53

Tgt Ion:264 Resp: 9115
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.5 30.7
 265 30.7 22.8 34.2

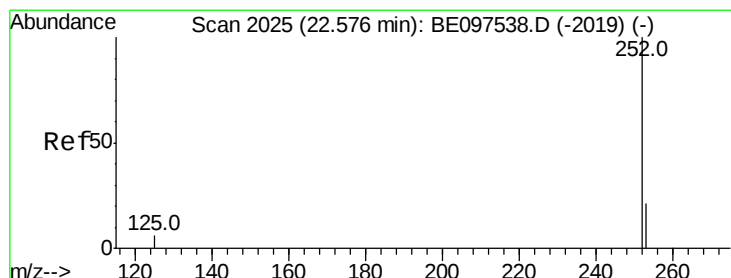
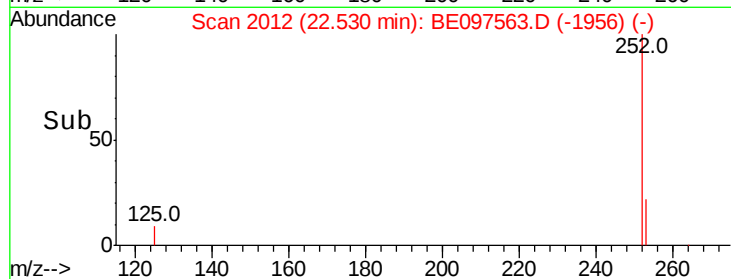
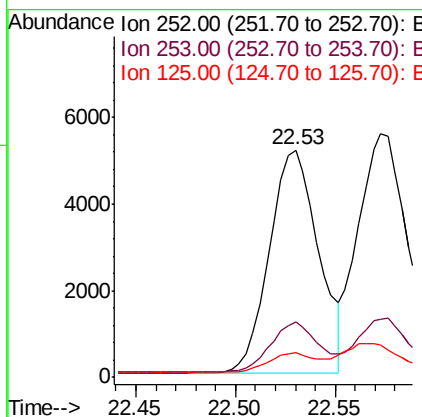
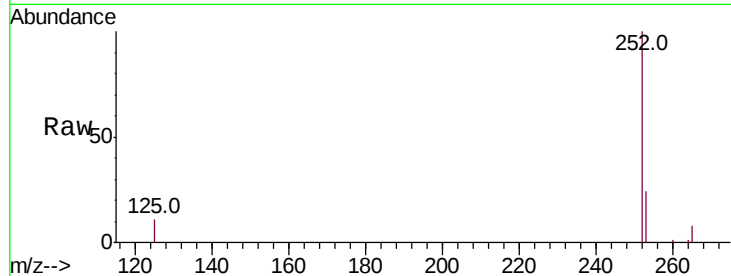




#35
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.53 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

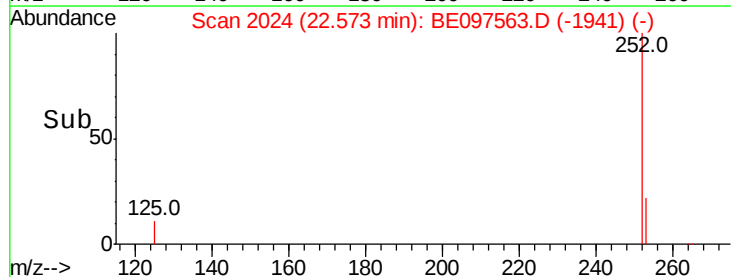
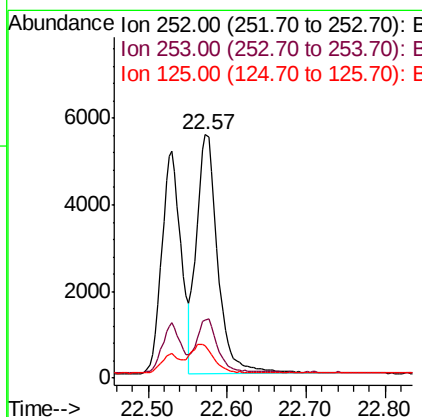
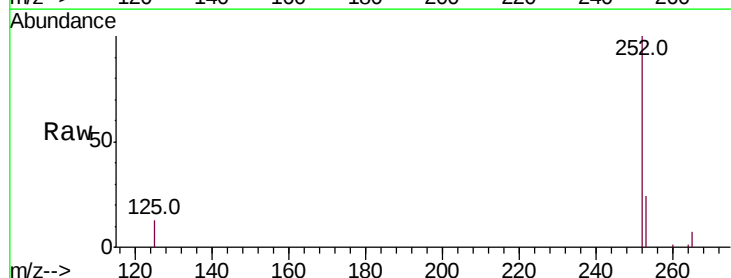
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 8846
Ion Ratio Lower Upper
252 100
253 24.2 20.0 30.0
125 11.0 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 22.57 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BE097563.D
Acq: 20 Sep 2018 5:53

Tgt Ion:252 Resp: 10361
Ion Ratio Lower Upper
252 100
253 24.0 16.0 24.0
125 13.3 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.392 ng

RT: 23.11 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

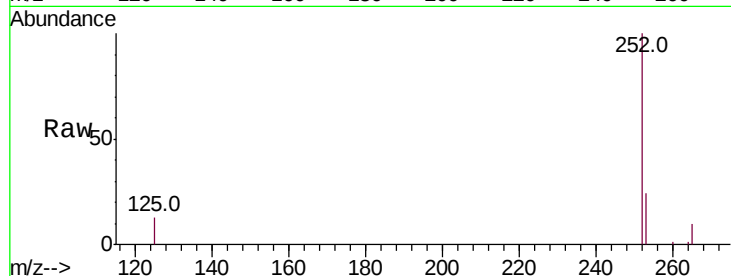
Tot Ion:252 Resp: 8875

Ion Ratio Lower Upper

252 100

253 24.2 16.0 24.0#

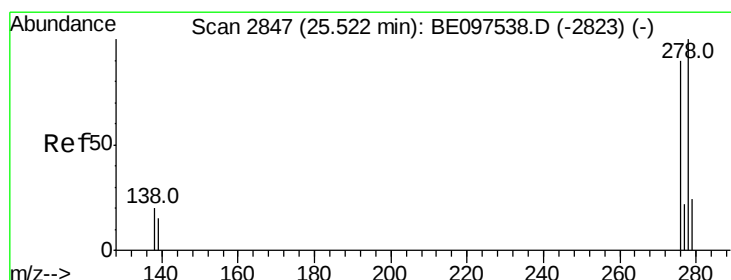
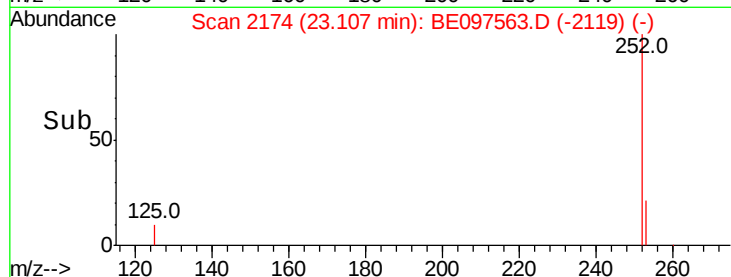
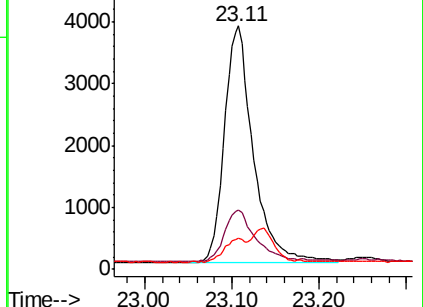
125 12.8 12.0 18.0



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: 0.394 ng

RT: 25.52 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

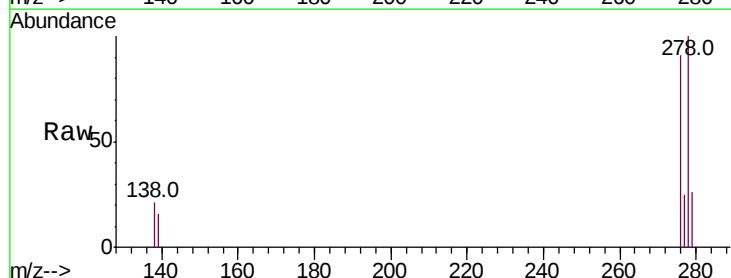
Tgt Ion:278 Resp: 9666

Ion Ratio Lower Upper

278 100

139 15.8 16.0 24.0#

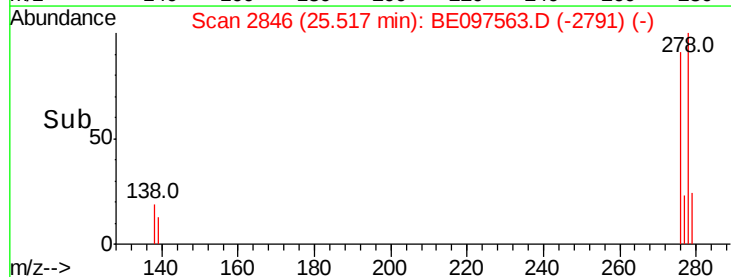
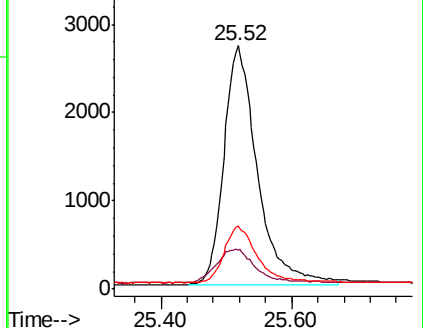
279 25.8 20.0 30.0



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: 0.391 ng

RT: 26.20 min Scan# 3037

Delta R.T. -0.00 min

Lab File: BE097563.D

Acq: 20 Sep 2018 5:53

Instrument :

BNA_E

ClientSampleId :

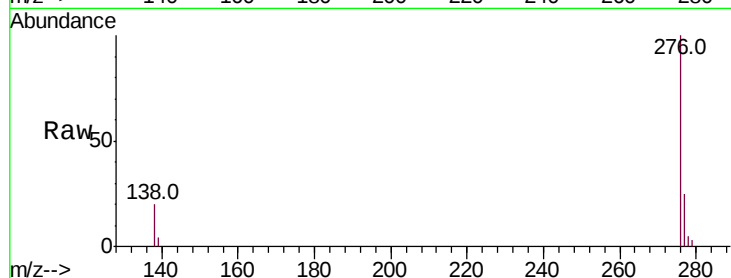
Tot Ion:276 Resp: 9319

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 19.7 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

