

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097611.D
 Acq On : 21 Sep 2018 14:48
 Operator : SJ/JU
 Sample : PB112840BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 22 04:07:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	1062	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4589	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2264	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5273	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7149	0.40	ng	0.00
34) Perylene-d12	23.20	264	7624	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	1233	0.39	ng	0.01
5) Phenol-d6	6.61	99	1397	0.34	ng	0.00
8) Nitrobenzene-d5	8.53	82	1370	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3316	0.52	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	236	0.31	ng	0.01
15) 2-Fluorobiphenyl	12.62	172	3715	0.46	ng	0.00
25) Fluoranthene-d10	18.80	212	24967	0.37	ng	0.00
29) Terphenyl-d14	19.42	244	4387	0.34	ng	0.00

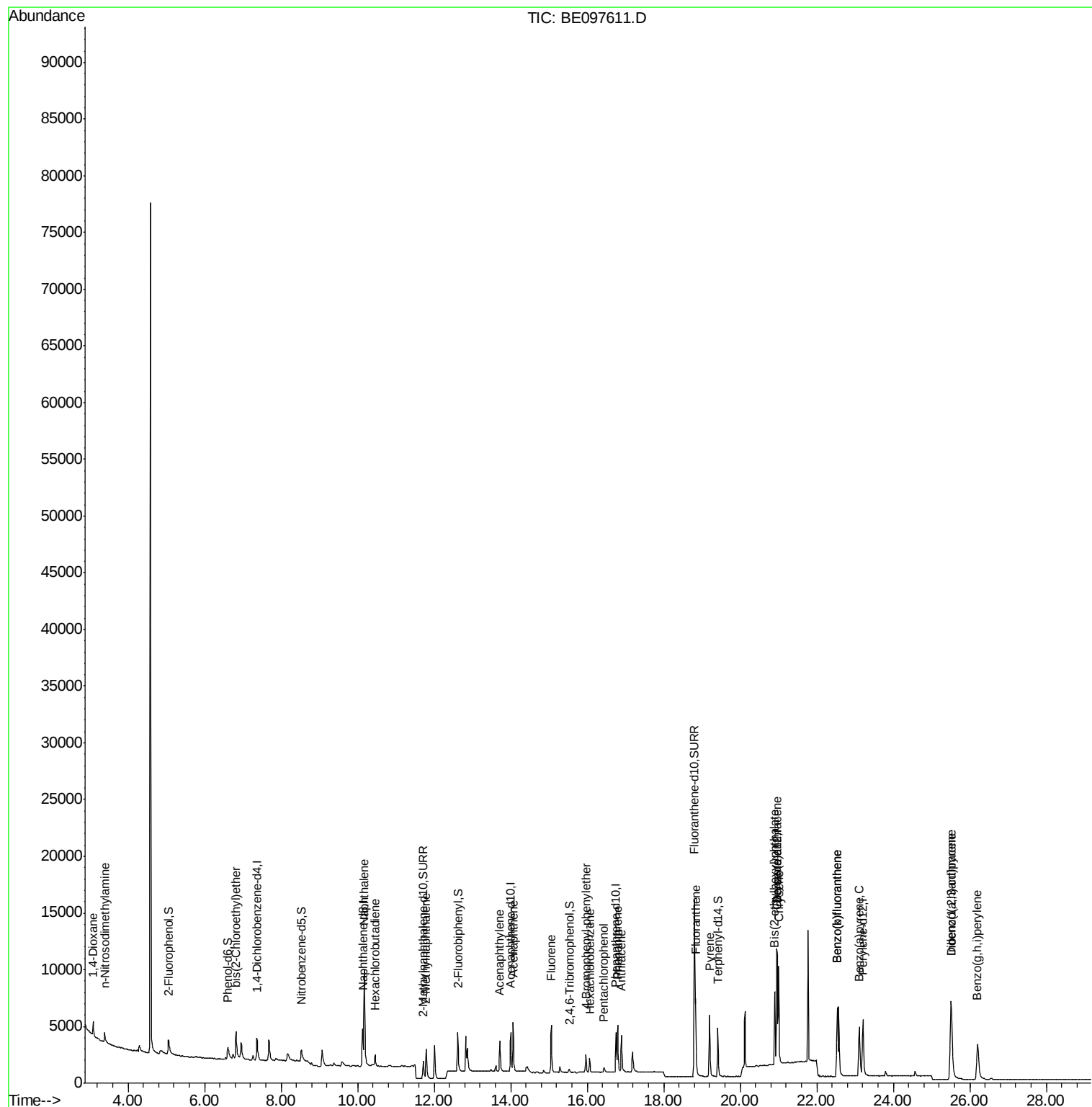
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	589	0.316	ng	# 86
3) n-Nitrosodimethylamine	3.38	42	520	0.340	ng	# 84
6) bis(2-Chloroethyl)ether	6.83	93	1244	0.330	ng	89
9) Naphthalene	10.17	128	17002	0.411	ng	99
10) Hexachlorobutadiene	10.46	225	725	0.381	ng	96
12) 2-Methylnaphthalene	11.79	142	2576	0.399	ng	98
16) Acenaphthylene	13.71	152	3474	0.388	ng	100
17) Acenaphthene	14.06	154	2266	0.378	ng	95
18) Fluorene	15.07	166	2992	0.382	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	937	0.394	ng	# 87
21) Hexachlorobenzene	16.07	284	1057	0.404	ng	# 84
22) Pentachlorophenol	16.44	266	404	0.474	ng	# 81
23) Phenanthrene	16.80	178	4948	0.395	ng	98
24) Anthracene	16.89	178	4282	0.387	ng	96
26) Fluoranthene	18.83	202	5973	0.344	ng	99
28) Pyrene	19.20	202	6116	0.376	ng	99
30) Benzo(a)anthracene	20.95	228	7177	0.399	ng	96
31) Chrysene	21.00	228	7787	0.403	ng	98
32) Bis(2-ethylhexyl)phthalate	20.89	149	8298	0.285	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	10635	0.457	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	7918	0.405	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	7918	0.355	ng	94
37) Benzo(a)pyrene	23.11	252	8075	0.425	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	8722	0.426	ng	# 96
39) Benzo(g,h,i)perylene	26.20	276	8669	0.435	ng	# 89

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

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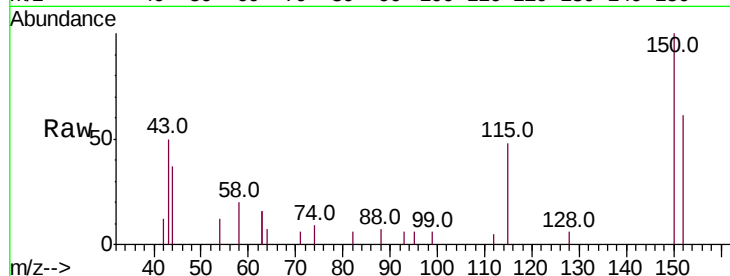


#1

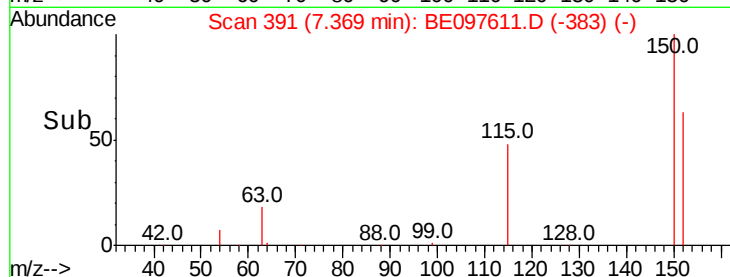
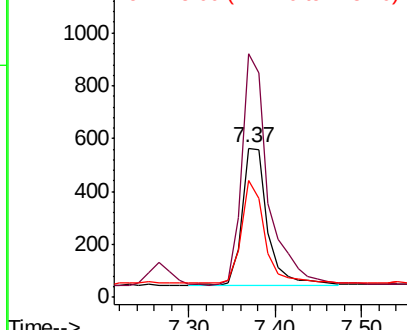
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1062
Ion Ratio Lower Upper
152 100
150 163.0 117.2 175.8
115 78.4 57.0 85.6



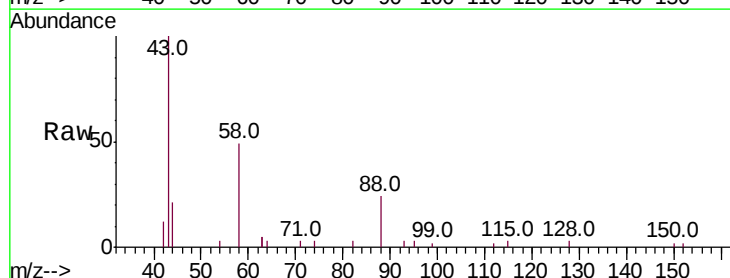
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



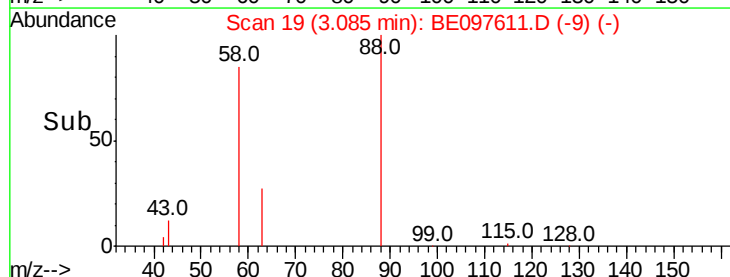
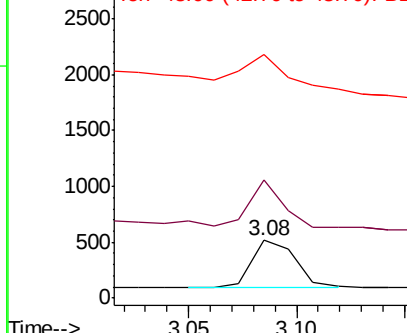
#2

1,4-Dioxane
Concen: 0.316 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Tgt Ion: 88 Resp: 589
Ion Ratio Lower Upper
88 100
58 76.9 63.2 94.8
43 73.7 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



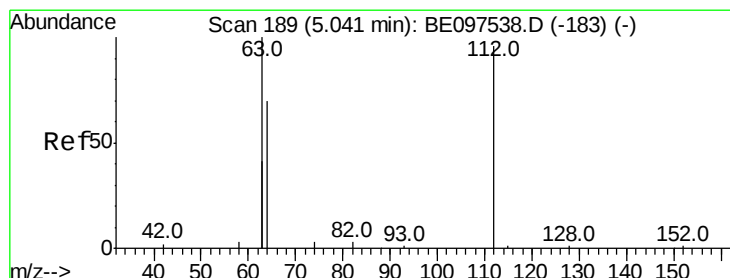
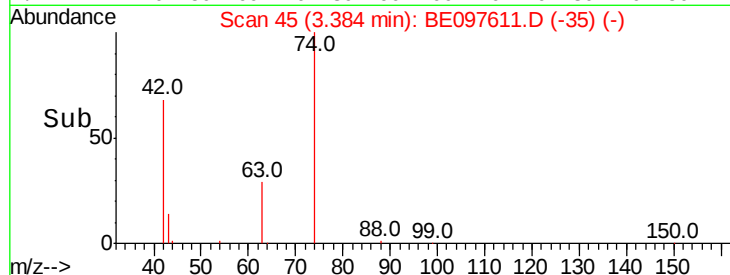
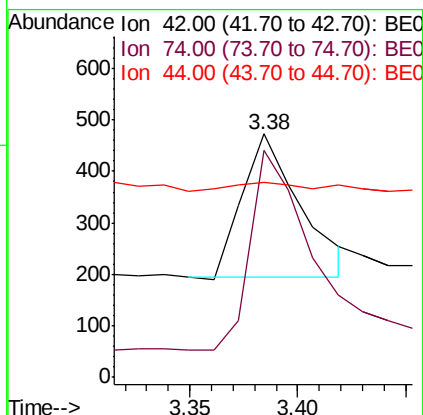
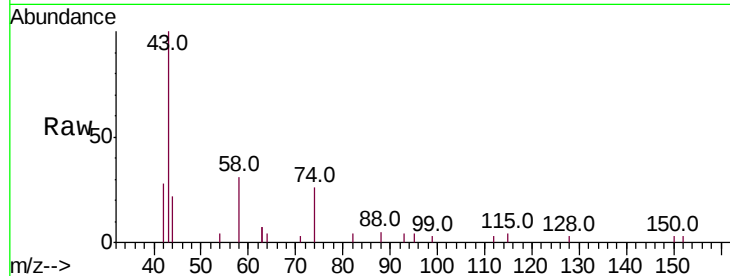


#3

n-Nitrosodimethylamine
 Concen: 0.340 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.01 min
 Lab File: BE097611.D
 Acq: 21 Sep 2018 14:48

Instrument :
 BNA_E
 ClientSampleId :

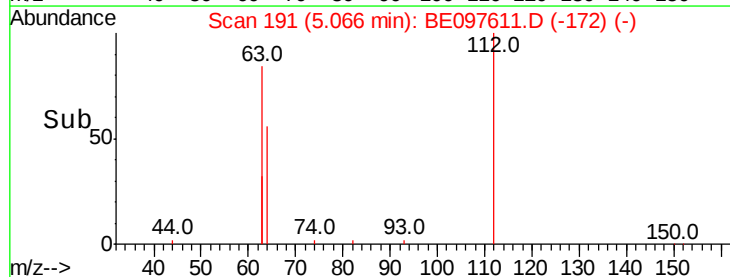
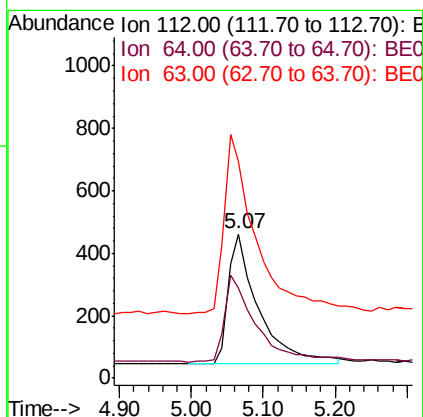
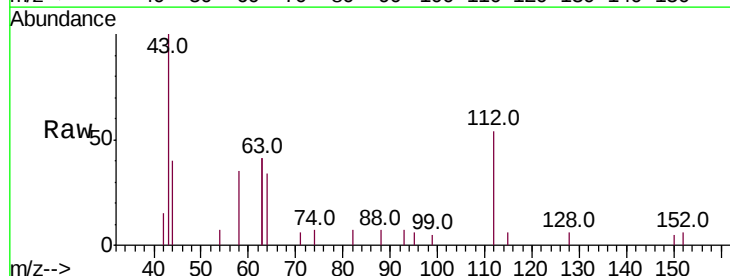
Tot Ion: 42 Resp: 520
 Ion Ratio Lower Upper
 42 100
 74 137.7 96.0 144.0
 44 7.3 12.0 18.0#



#4

2-Fluorophenol
 Concen: 0.387 ng
 RT: 5.07 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE097611.D
 Acq: 21 Sep 2018 14:48

Tgt Ion: 112 Resp: 1233
 Ion Ratio Lower Upper
 112 100
 64 68.3 60.1 90.1
 63 144.0 116.8 175.2





#5

Phenol-d6

Concen: 0.343 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

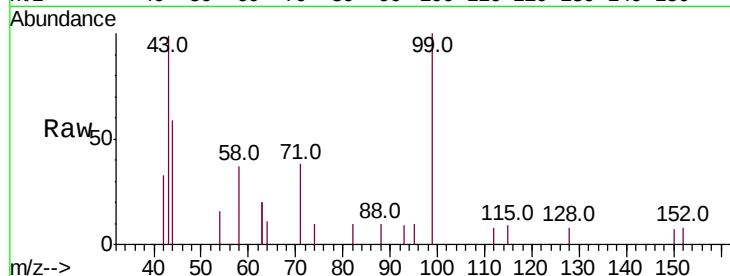
Tot Ion: 99 Resp: 1397

Ion Ratio Lower Upper

99 100

42 21.7 20.2 30.2

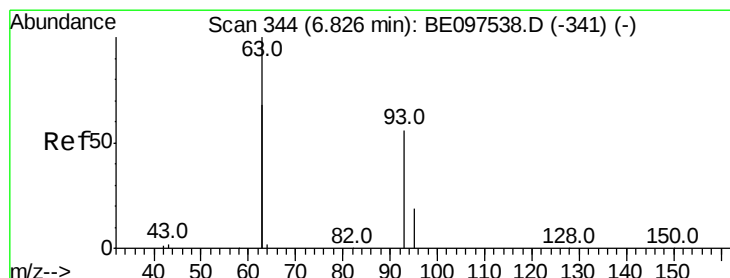
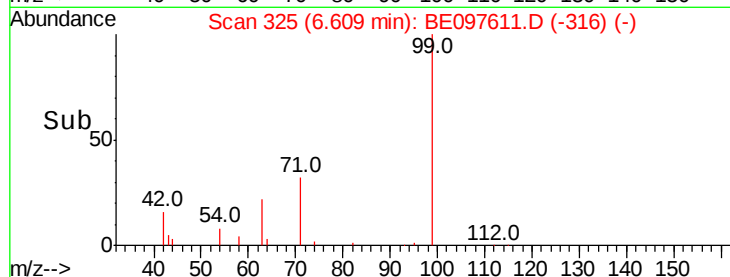
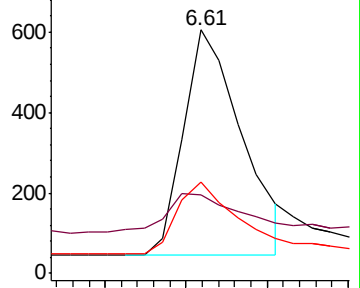
71 32.4 28.4 42.6



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: 0.330 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

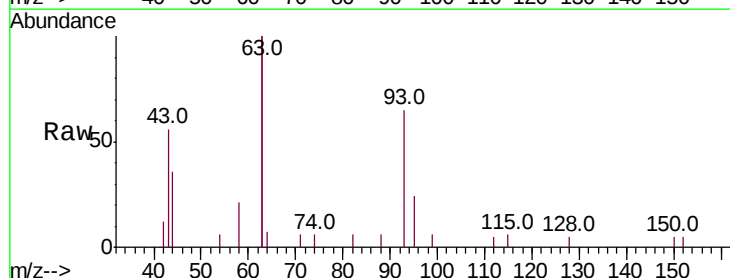
Tgt Ion: 93 Resp: 1244

Ion Ratio Lower Upper

93 100

63 318.2 275.3 412.9

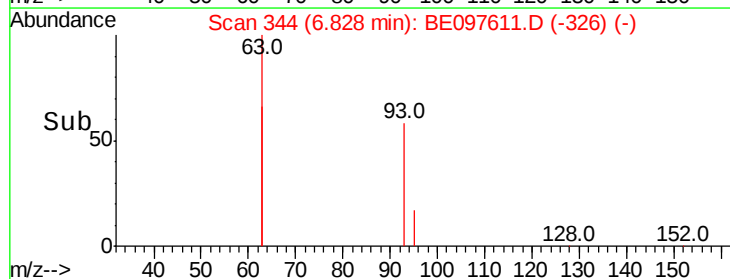
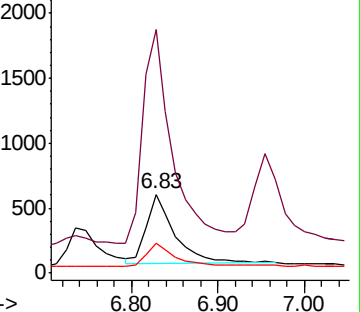
95 33.0 25.2 37.8

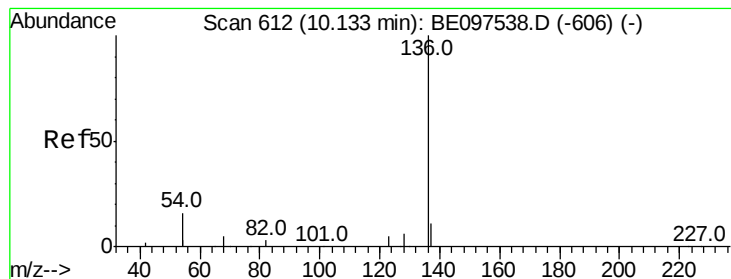


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4589

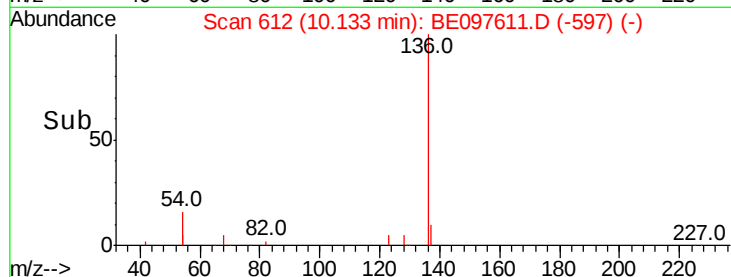
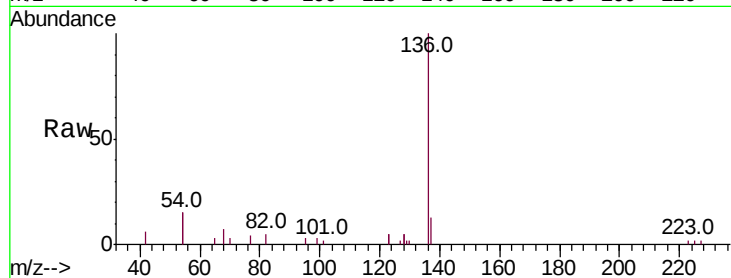
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 30.6 29.1 43.7

68 7.3 6.2 9.2

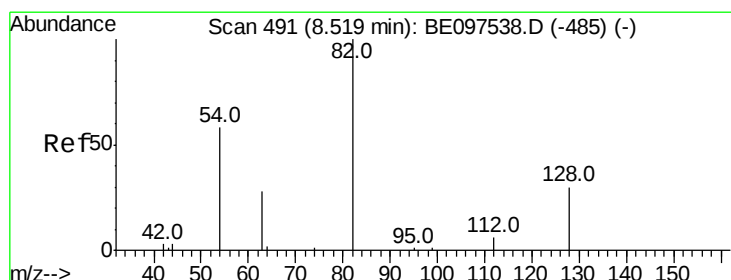
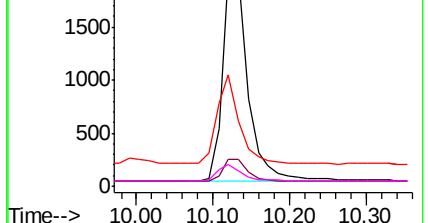


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.386 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

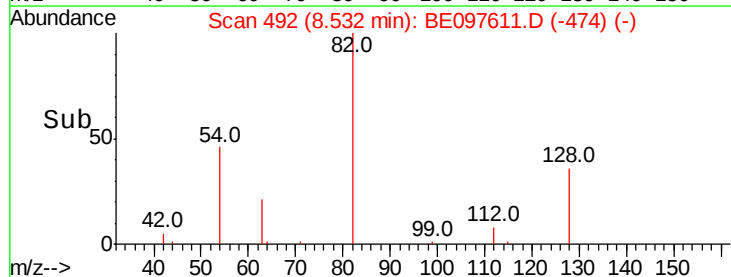
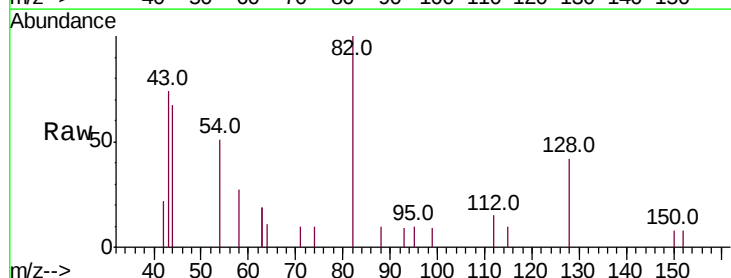
Tgt Ion: 82 Resp: 1370

Ion Ratio Lower Upper

82 100

128 41.9 24.0 36.0#

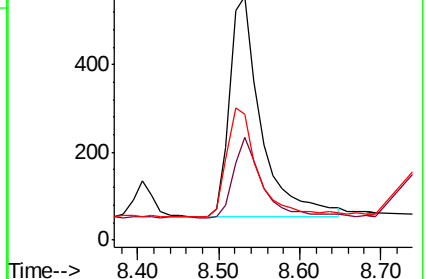
54 51.4 40.0 60.0



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: 0.411 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampled :

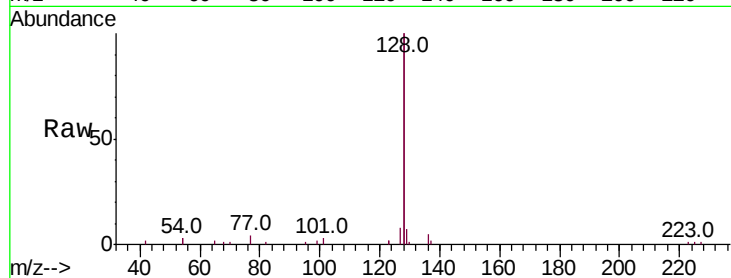
Tot Ion:128 Resp: 17002

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

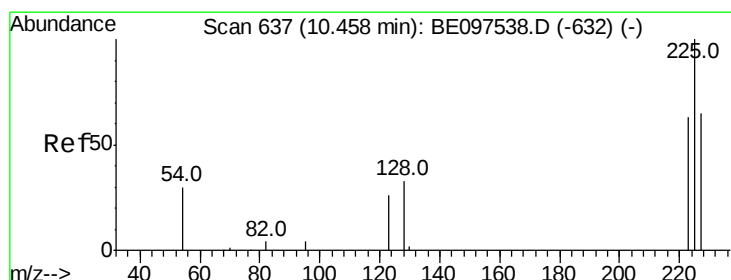
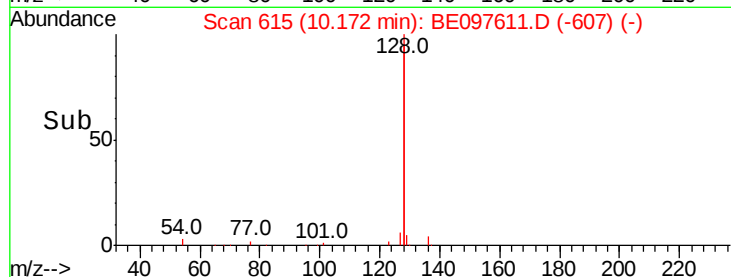
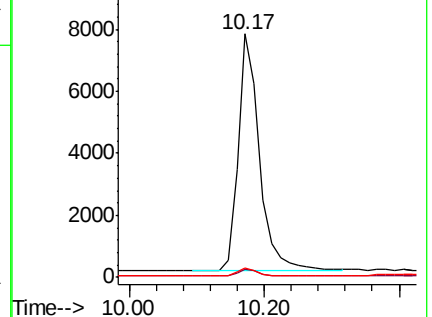
127 3.8 2.8 4.2



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: 0.381 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

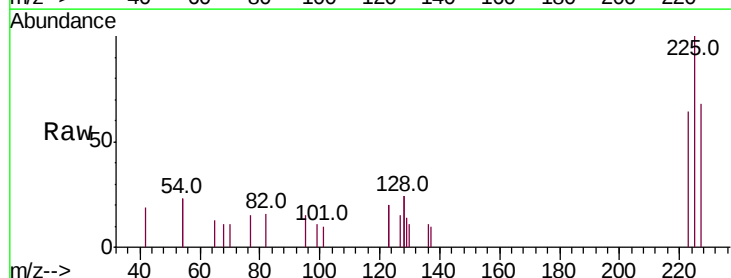
Tgt Ion:225 Resp: 725

Ion Ratio Lower Upper

225 100

223 62.8 53.0 79.6

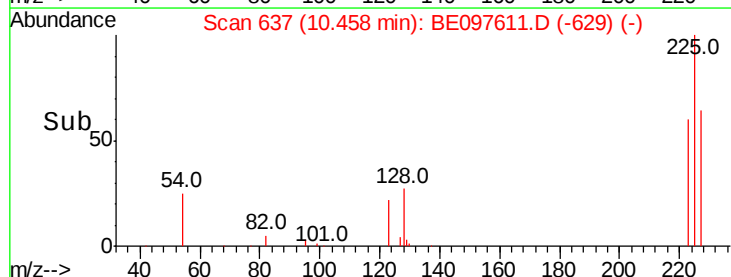
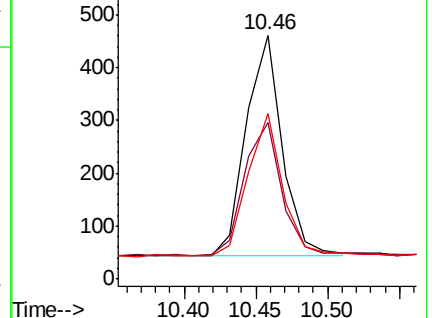
227 61.8 51.4 77.2



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

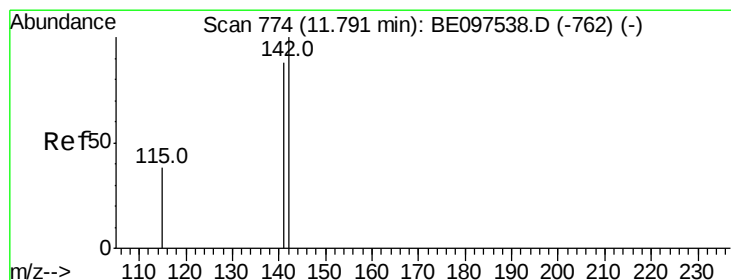
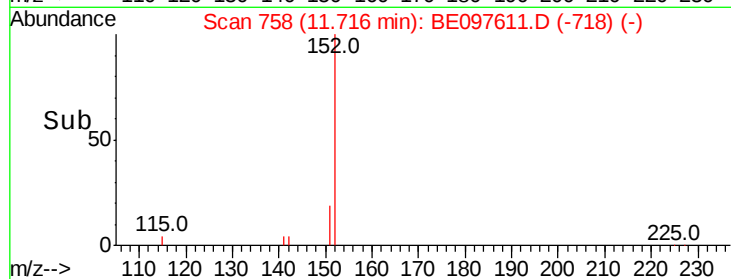
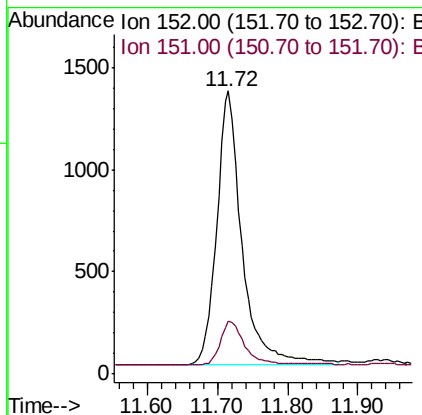
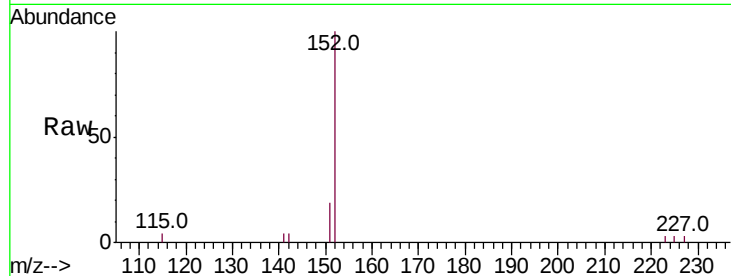




#11
2-Methylnaphthalene-d10
Concen: 0.524 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

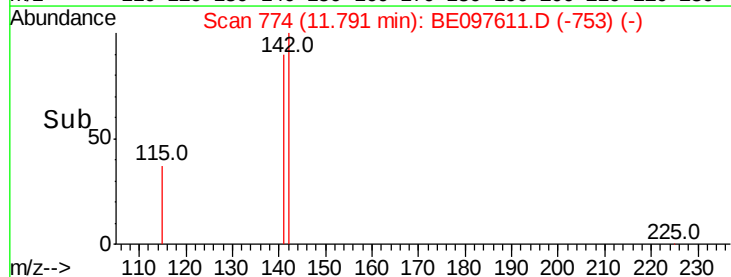
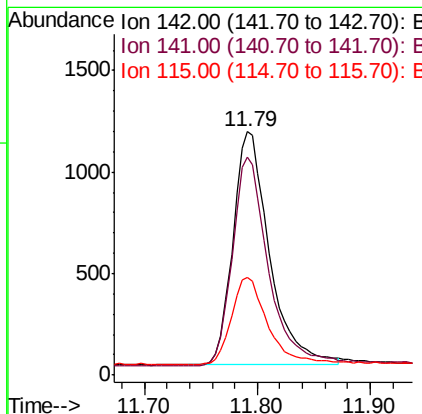
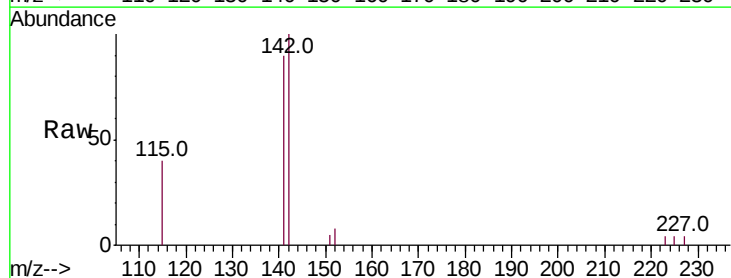
Instrument :
BNA_E
ClientSampleId :

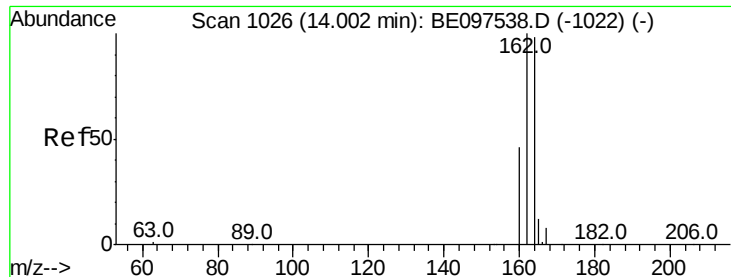
Tot Ion:152 Resp: 3316
Ion Ratio Lower Upper
152 100
151 14.7 15.4 23.0#



#12
2-Methylnaphthalene
Concen: 0.399 ng
RT: 11.79 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Tgt Ion:142 Resp: 2576
Ion Ratio Lower Upper
142 100
141 89.8 70.4 105.6
115 40.3 31.7 47.5

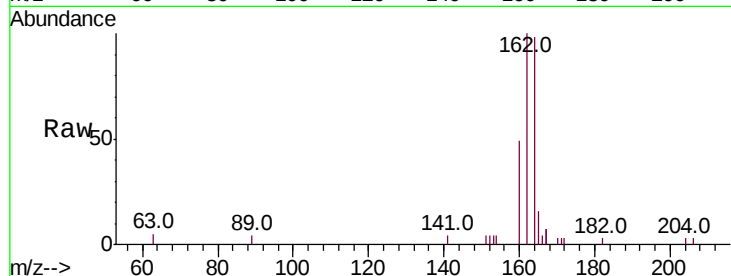




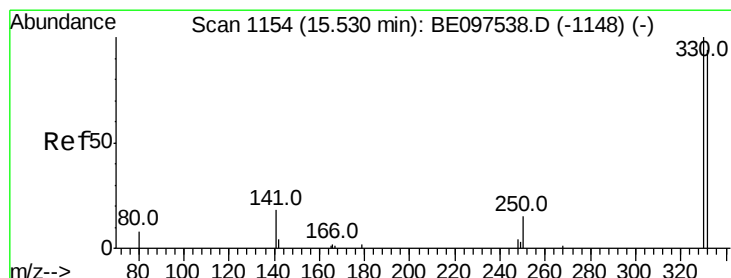
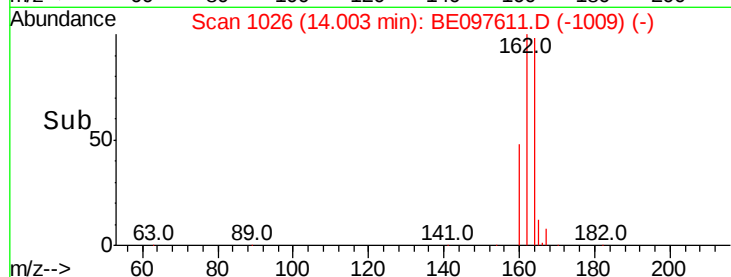
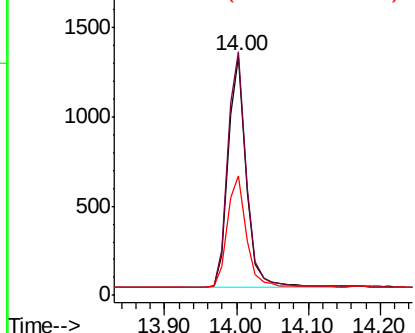
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BE097611.D
 Acq: 21 Sep 2018 14:48

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2264
 Ion Ratio Lower Upper
 164 100
 162 101.9 83.1 124.7
 160 50.2 37.1 55.7

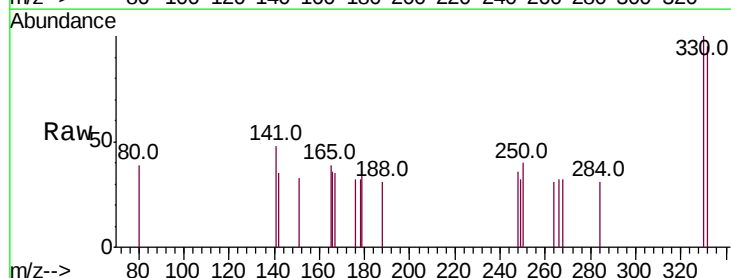


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

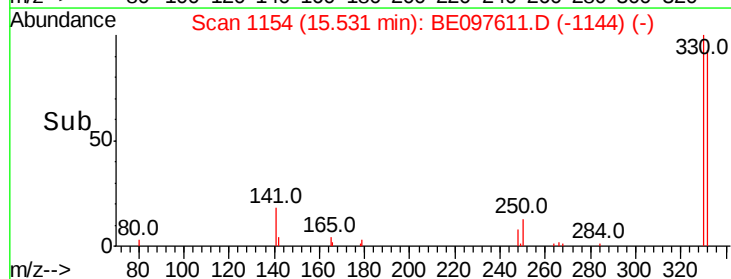
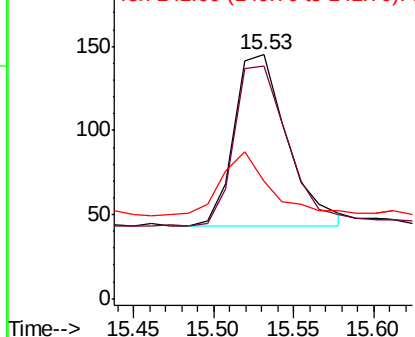


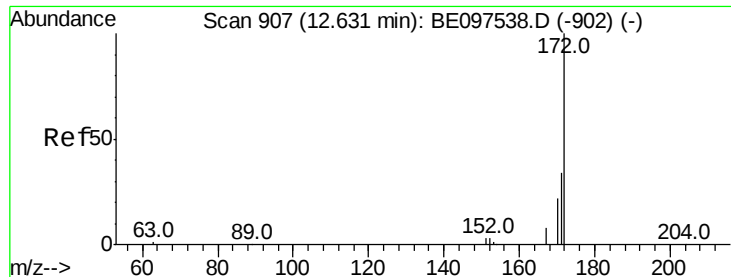
#14
 2,4,6-Tribromophenol
 Concen: 0.310 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE097611.D
 Acq: 21 Sep 2018 14:48

Tgt Ion:330 Resp: 236
 Ion Ratio Lower Upper
 330 100
 332 94.9 152.7 229.1#
 141 33.9 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

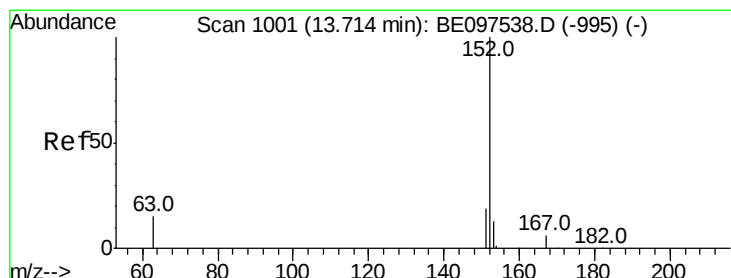
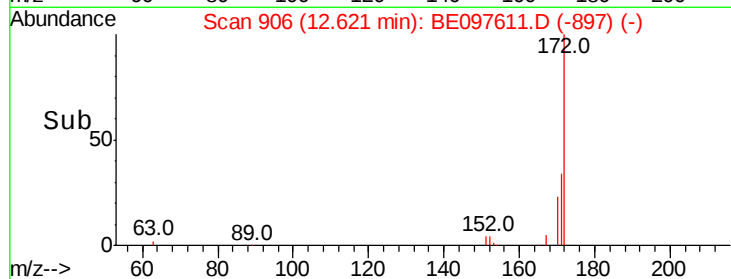
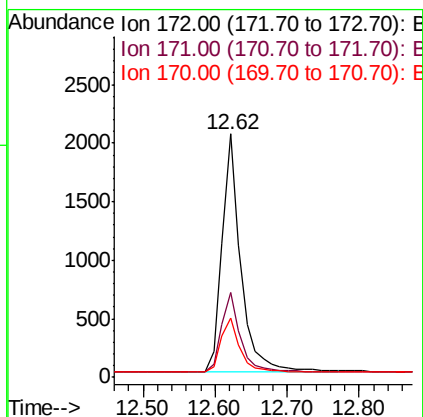
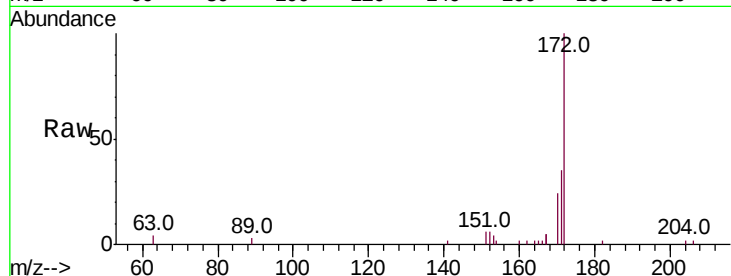




#15
2-Fluorobiphenyl
Concen: 0.464 ng
RT: 12.62 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

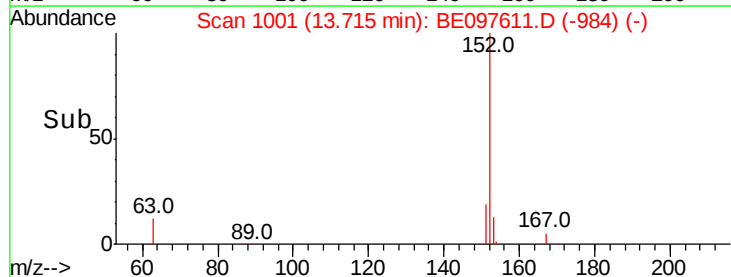
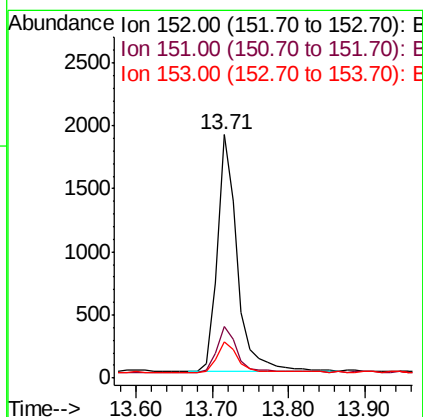
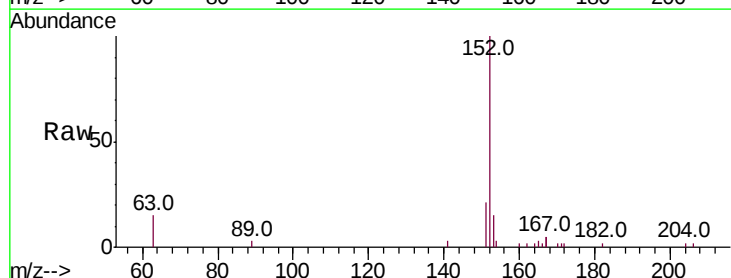
Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 3715
Ion Ratio Lower Upper
172 100
171 35.1 29.9 44.9
170 24.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.388 ng
RT: 13.71 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Tgt Ion:152 Resp: 3474
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.378 ng

RT: 14.06 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

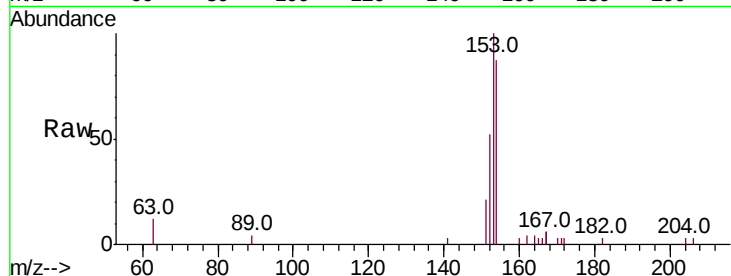
Tot Ion:154 Resp: 2266

Ion Ratio Lower Upper

154 100

153 115.6 89.2 133.8

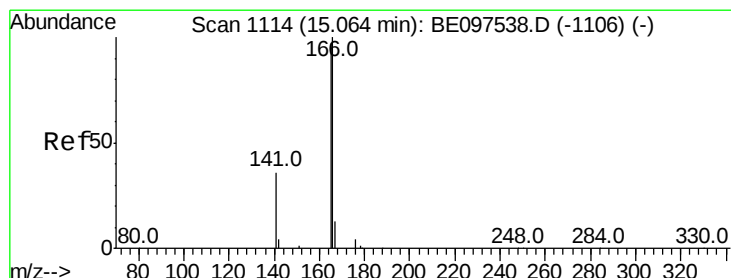
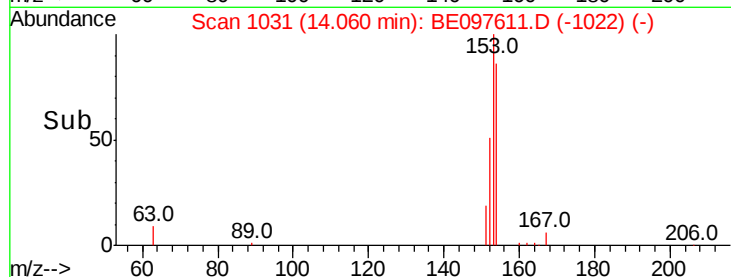
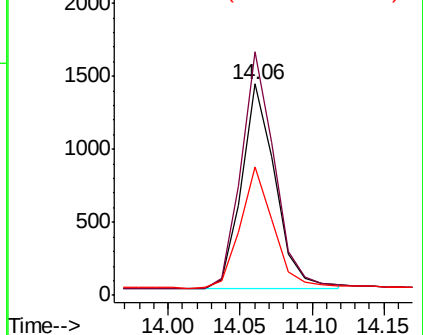
152 58.4 42.0 63.0



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: 0.382 ng

RT: 15.07 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

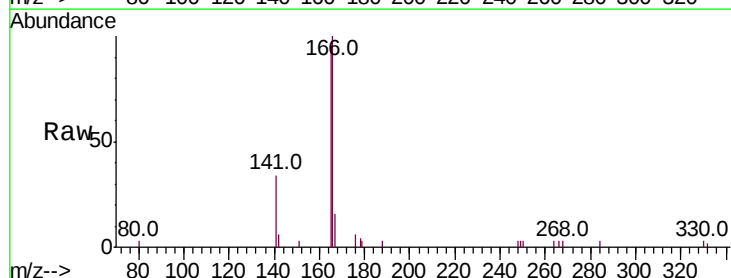
Tgt Ion:166 Resp: 2992

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.6

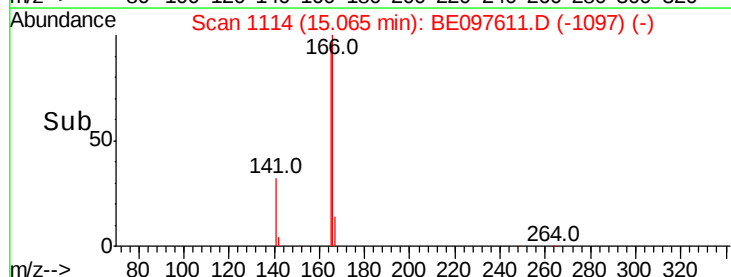
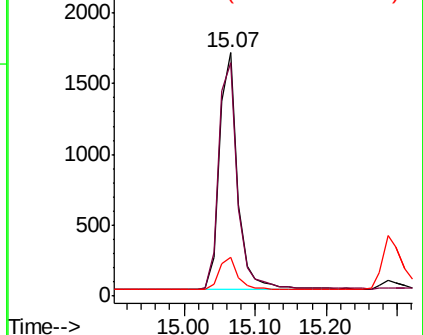
167 13.6 42.4 63.6#



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: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

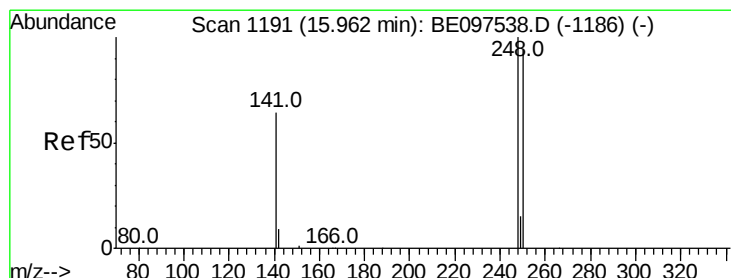
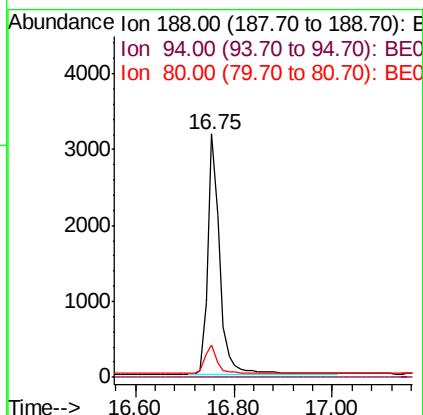
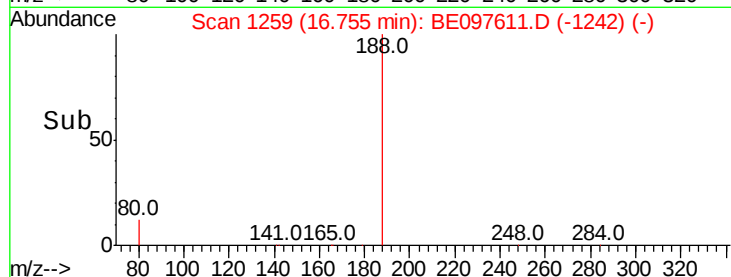
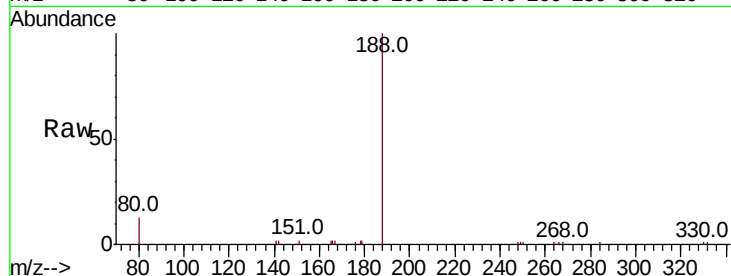
Tot Ion:188 Resp: 5273

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 13.1 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.394 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

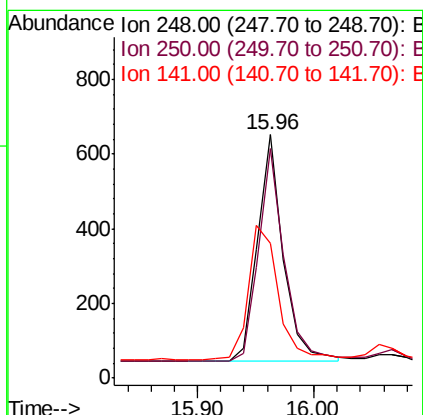
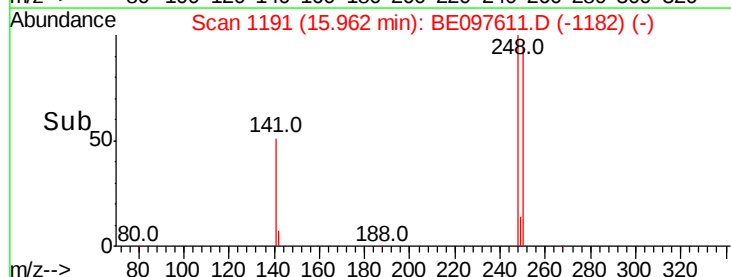
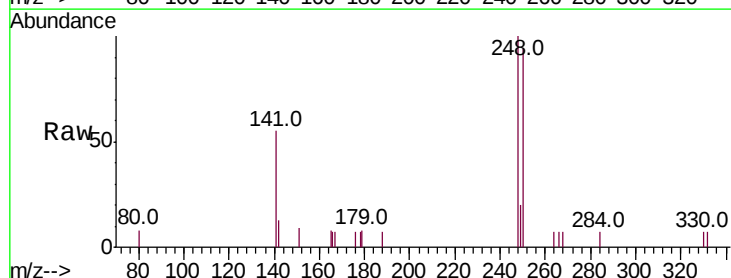
Tgt Ion:248 Resp: 937

Ion Ratio Lower Upper

248 100

250 94.2 62.7 94.1#

141 55.4 48.2 72.2

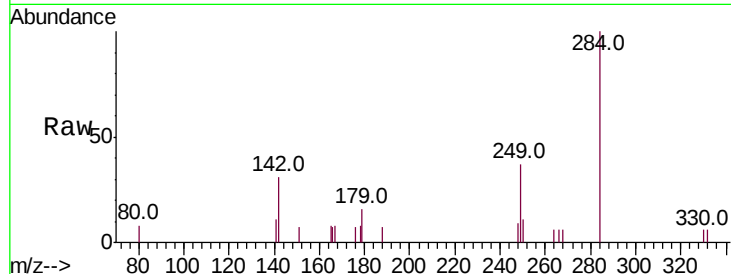




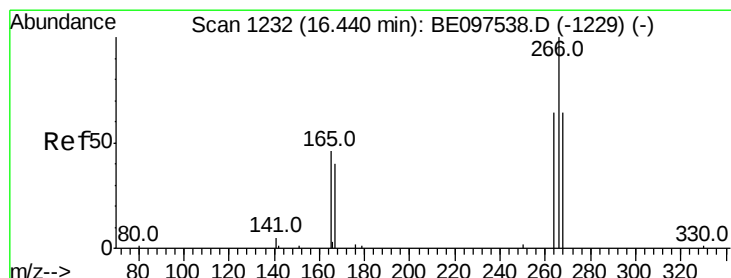
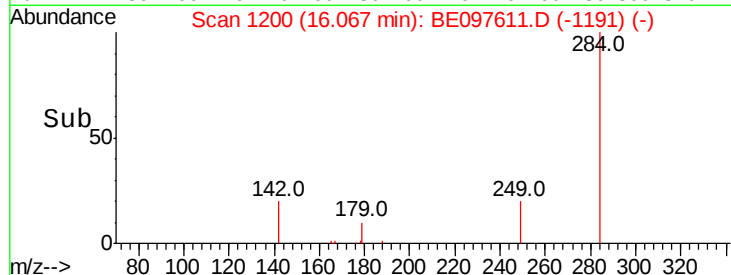
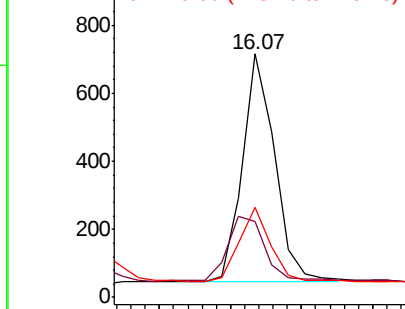
#21
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.07 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
284	100		
142	33.1	22.1	33.1
249	31.4	34.8	52.2

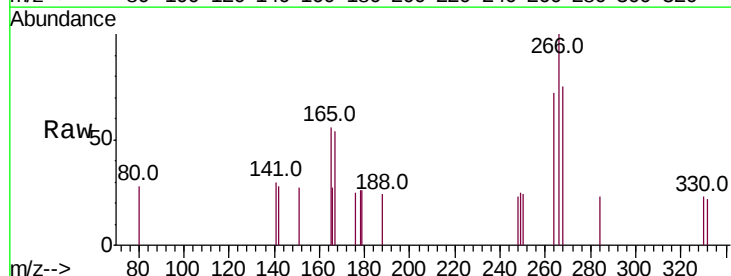


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

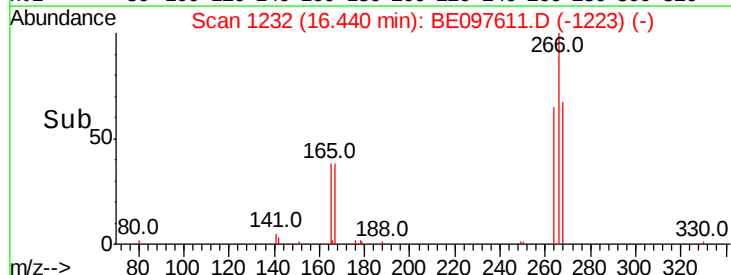
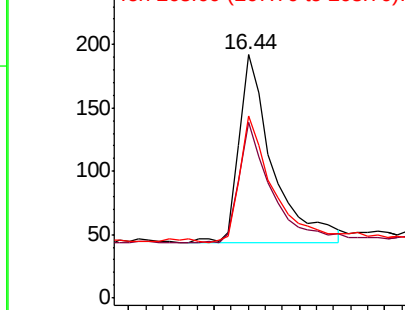


#22
Pentachlorophenol
Concen: 0.474 ng
RT: 16.44 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Tgt Ion	Ratio	Lower	Upper
266	100		
264	72.4	72.5	108.7
268	75.0	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: 0.395 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

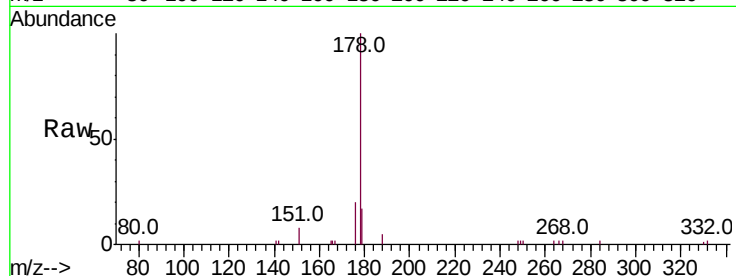
Tot Ion:178 Resp: 4948

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

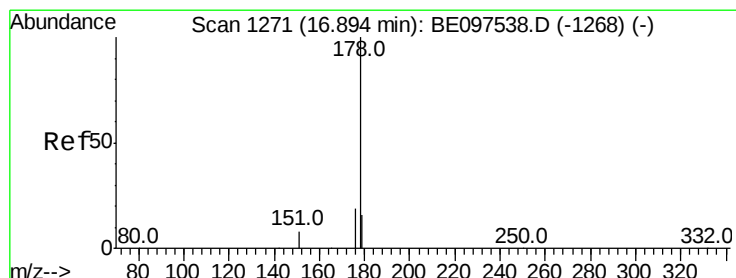
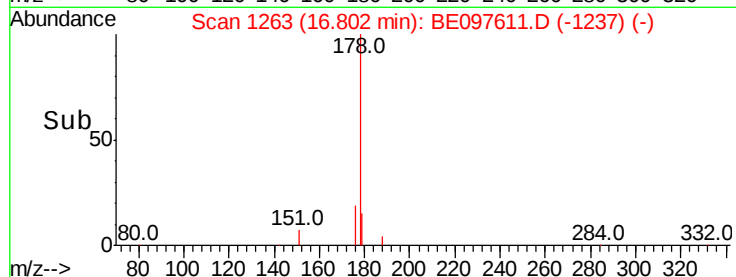
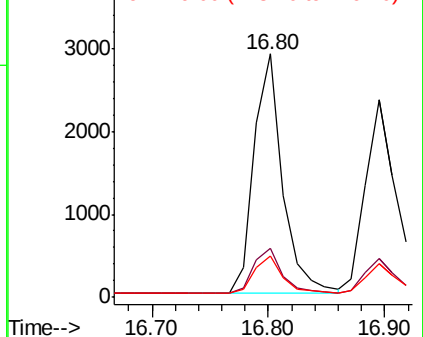
179 15.8 11.8 17.6



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: 0.387 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

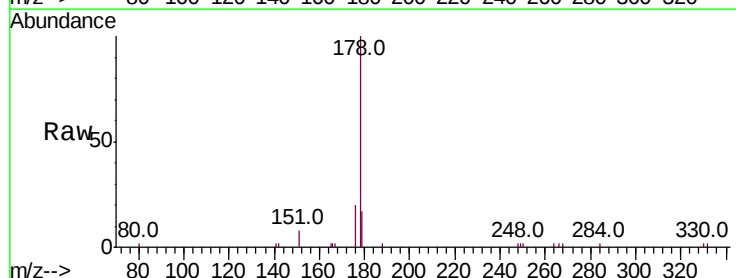
Tgt Ion:178 Resp: 4282

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

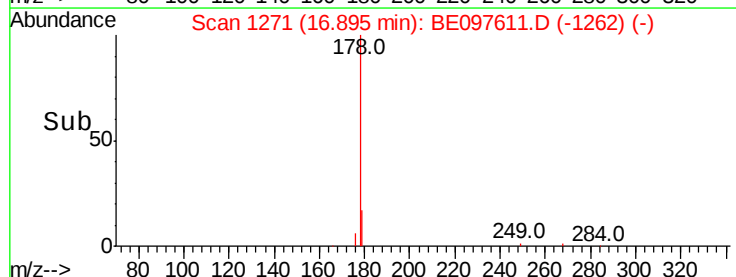
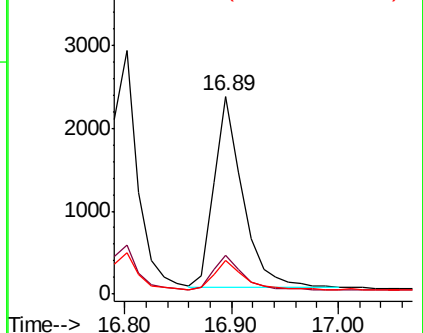
179 15.4 13.0 19.6



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

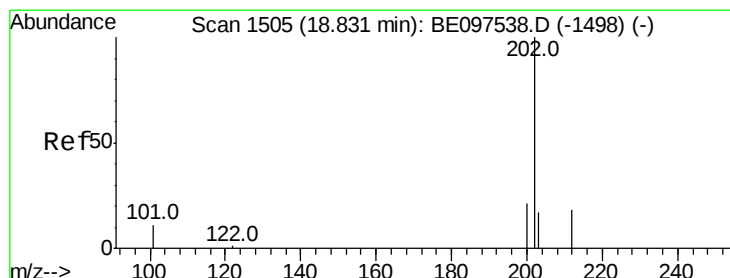
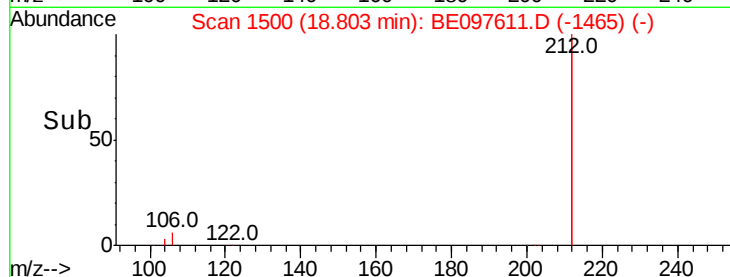
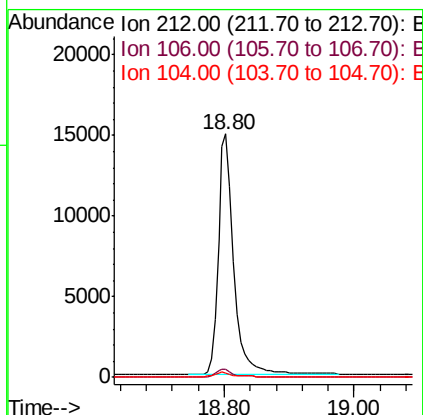
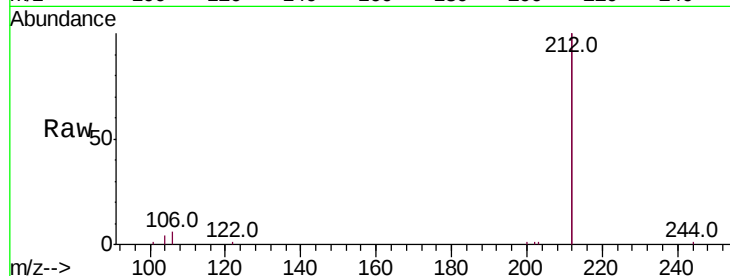




#25
 Fluoranthene-d10
 Concen: 0.370 ng
 RT: 18.80 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: BE097611.D
 Acq: 21 Sep 2018 14:48

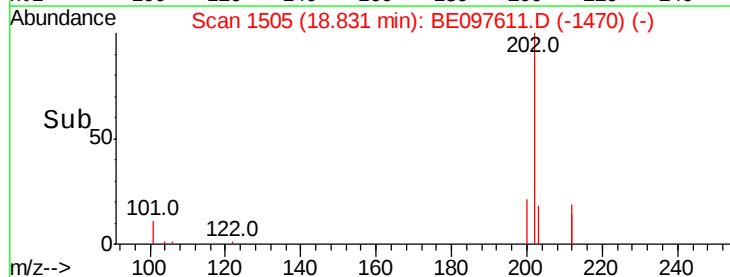
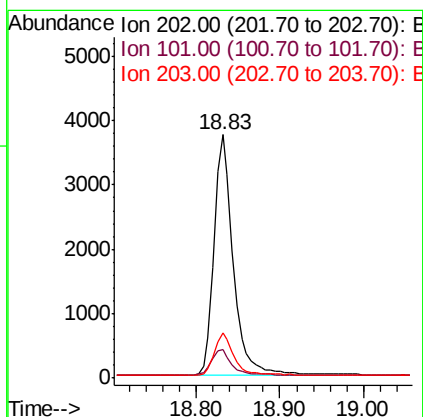
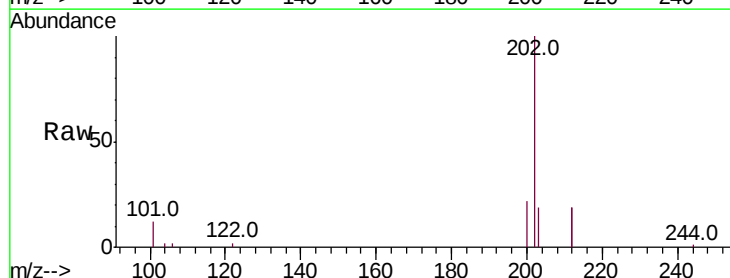
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:212 Resp: 24967
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.8 4.2
 104 1.8 1.6 2.4



#26
 Fluoranthene
 Concen: 0.344 ng
 RT: 18.83 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: BE097611.D
 Acq: 21 Sep 2018 14:48

Tgt Ion:202 Resp: 5973
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.8 14.8
 203 17.2 13.7 20.5

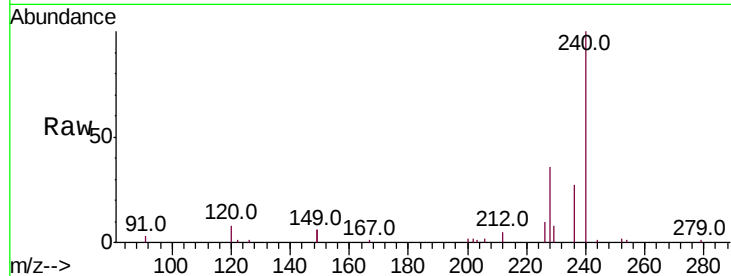




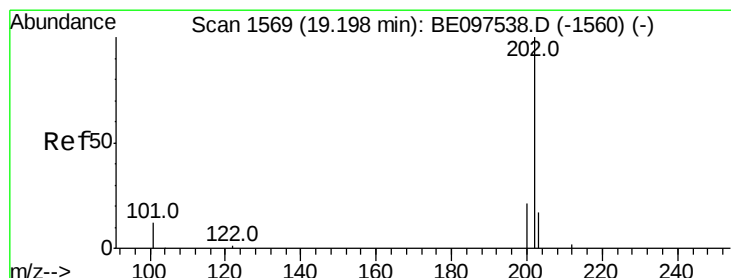
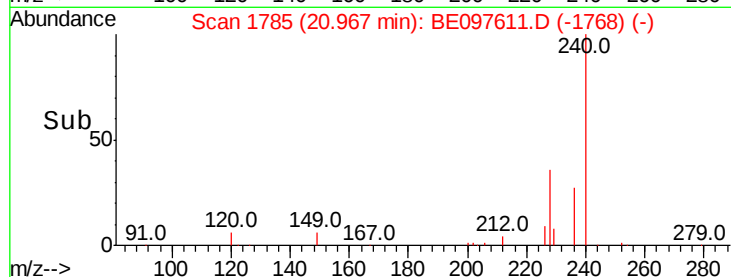
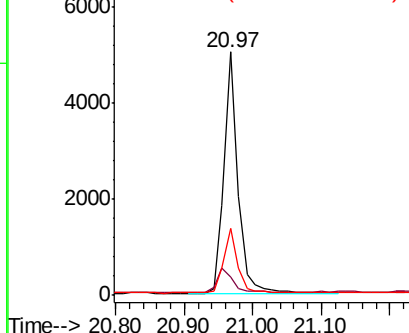
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 7149
Ion Ratio Lower Upper
240 100
120 7.7 5.5 8.3
236 27.4 20.7 31.1

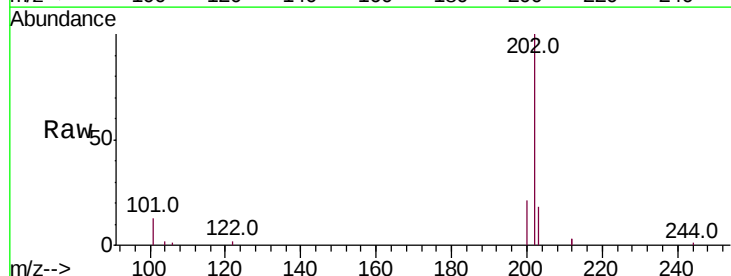


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

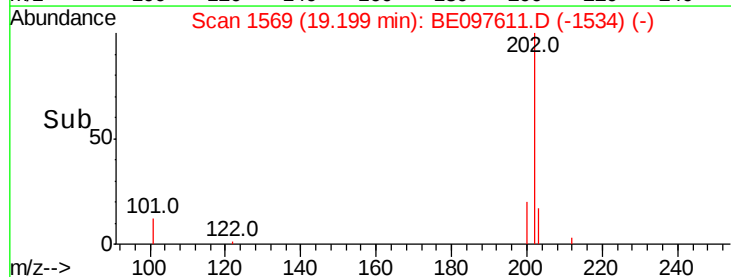
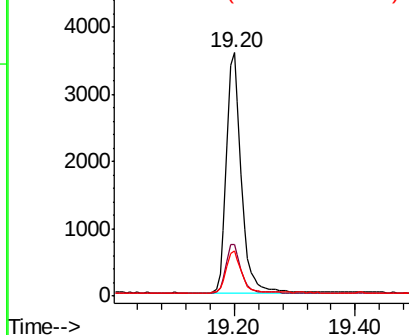


#28
Pyrene
Concen: 0.376 ng
RT: 19.20 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Tgt Ion:202 Resp: 6116
Ion Ratio Lower Upper
202 100
200 20.5 16.6 25.0
203 17.8 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: 0.335 ng

RT: 19.42 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

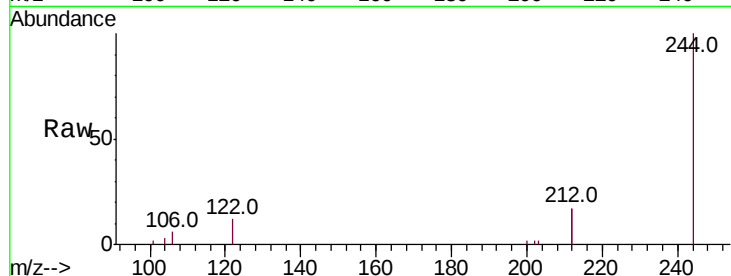
Tot Ion:244 Resp: 4387

Ion Ratio Lower Upper

244 100

212 34.4 25.4 38.0

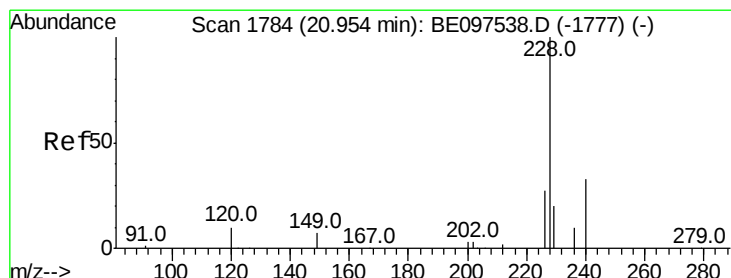
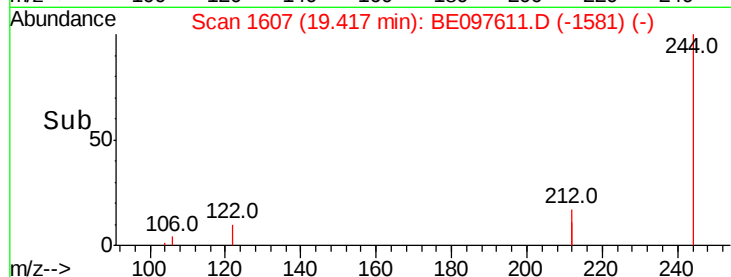
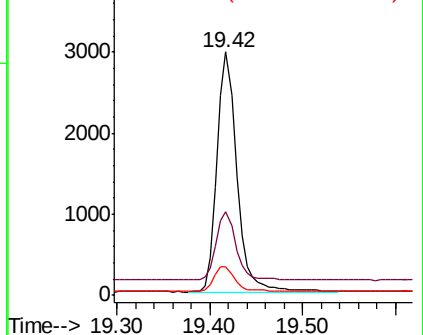
122 11.7 8.1 12.1



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: 0.399 ng

RT: 20.95 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

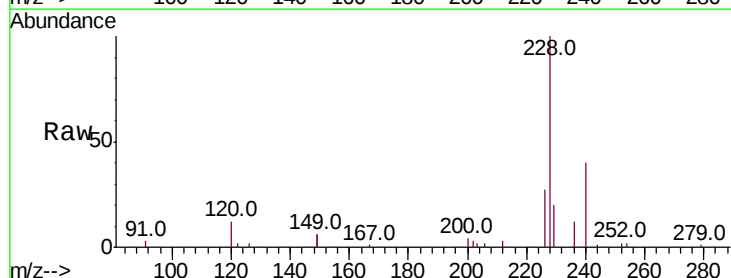
Tgt Ion:228 Resp: 7177

Ion Ratio Lower Upper

228 100

226 26.8 24.0 36.0

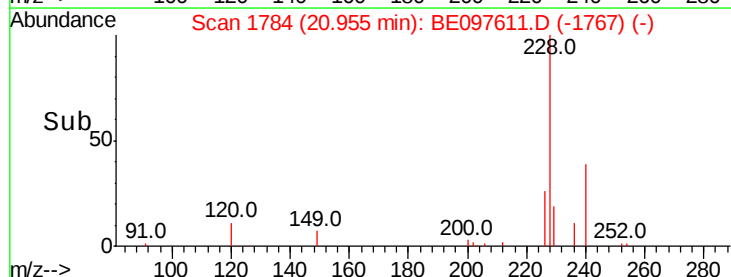
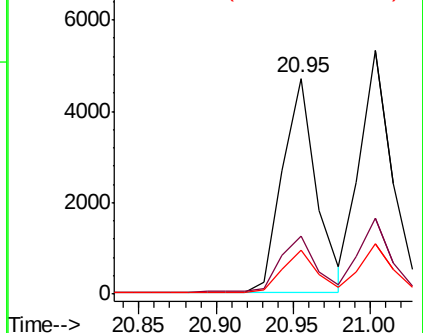
229 20.1 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.403 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

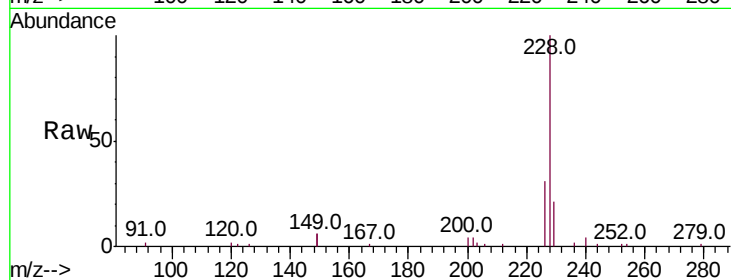
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 7787

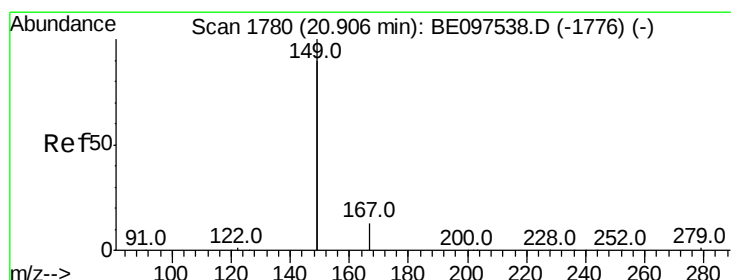
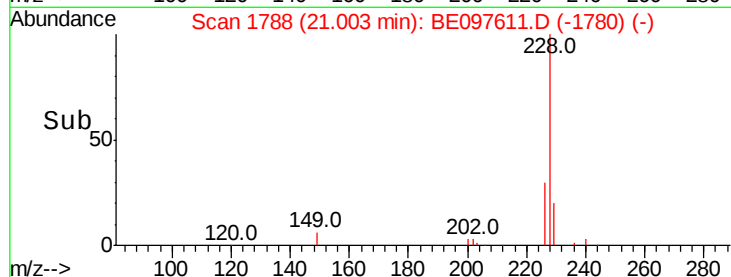
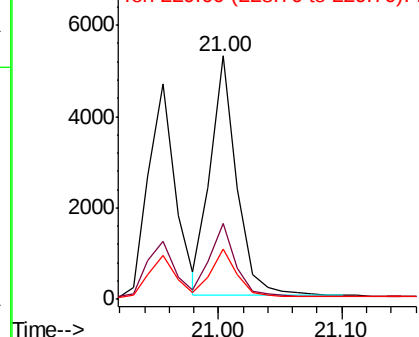
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	20.5	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.285 ng

RT: 20.89 min Scan# 1779

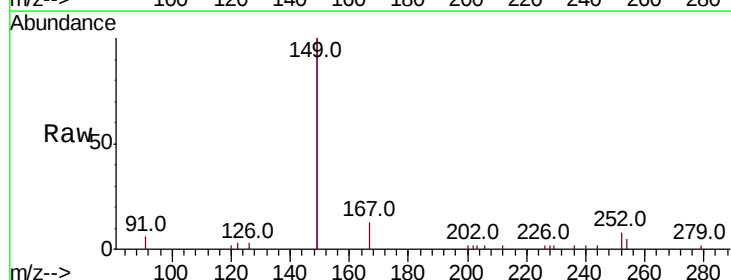
Delta R.T. -0.01 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Tgt Ion:149 Resp: 8298

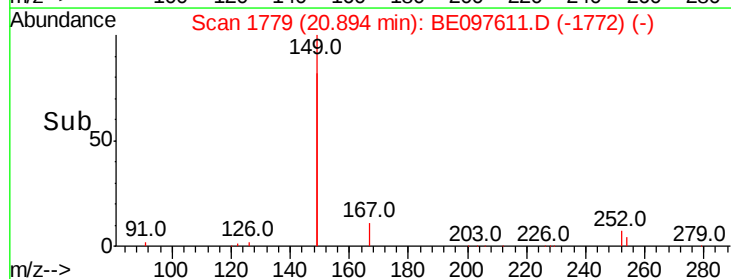
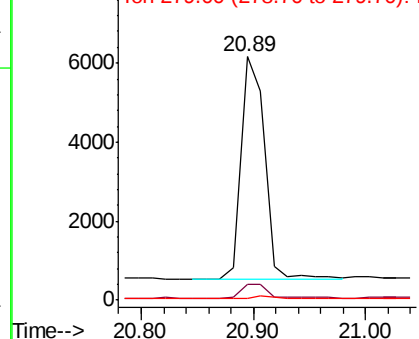
Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.1	0.7	1.1#

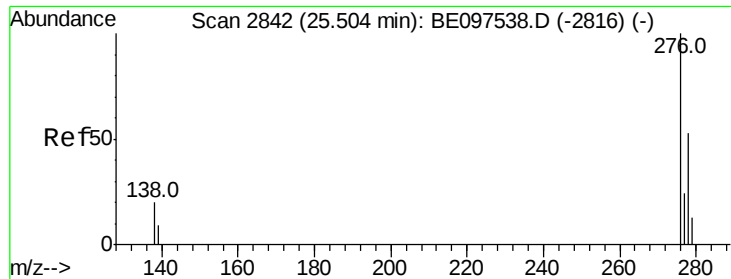


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.457 ng

RT: 25.51 min Scan# 2843

Delta R.T. 0.01 min

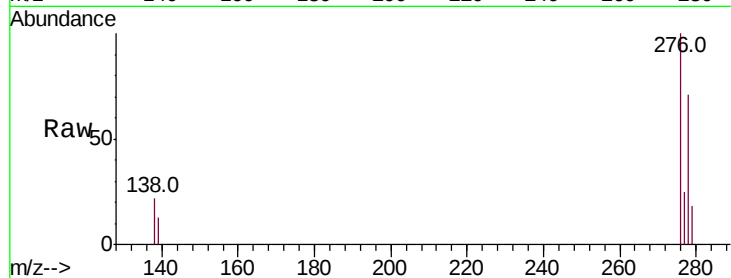
Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :



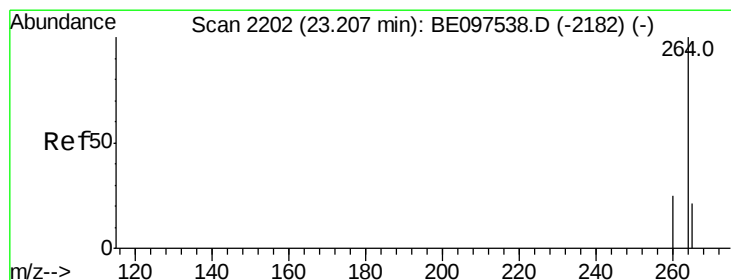
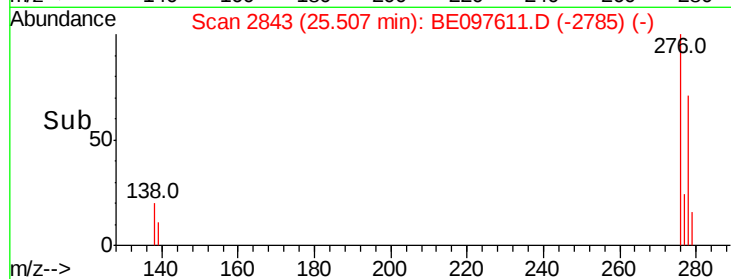
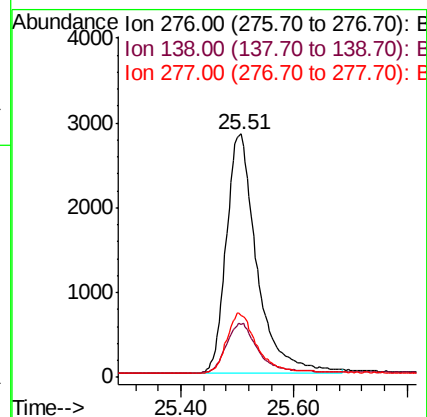
Tot Ion:276 Resp: 10635

Ion Ratio Lower Upper

276 100

138 21.5 22.5 33.7#

277 24.6 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: BE097611.D

Acq: 21 Sep 2018 14:48

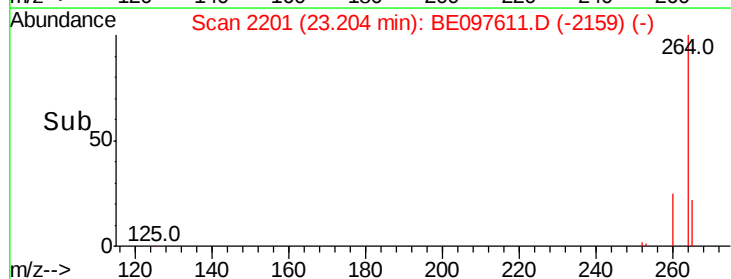
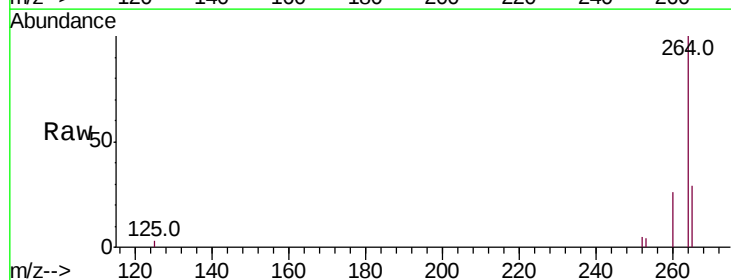
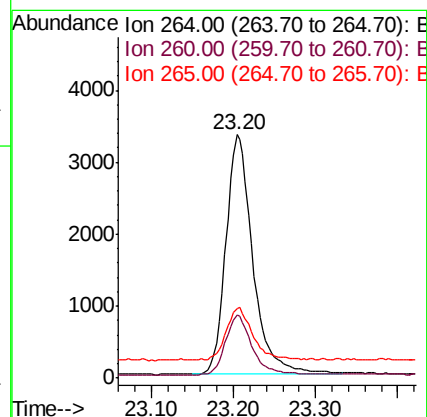
Tgt Ion:264 Resp: 7624

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 28.8 22.8 34.2

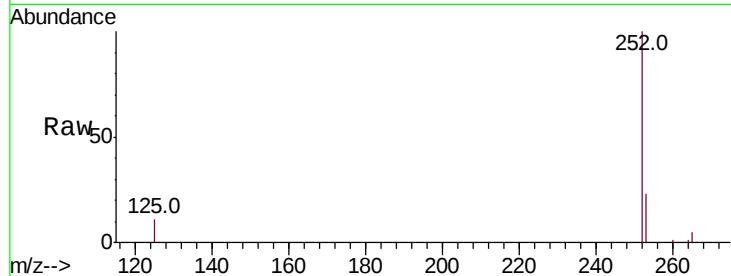




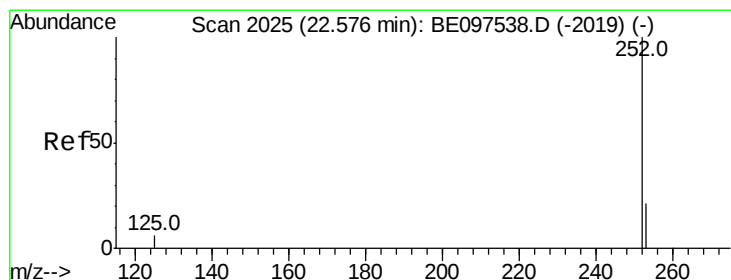
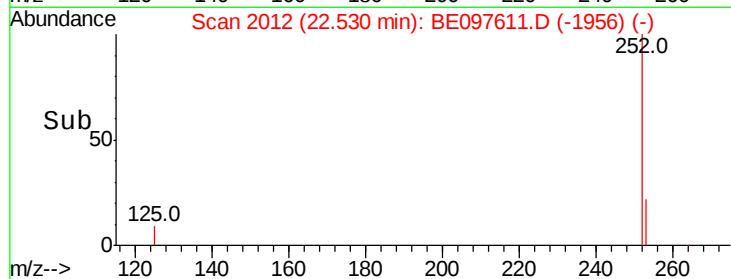
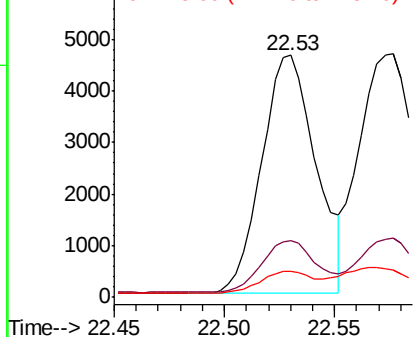
#35
Benzo(b)fluoranthene
Concen: 0.405 ng
RT: 22.53 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 7918
Ion Ratio Lower Upper
252 100
253 23.4 20.0 30.0
125 10.8 16.0 24.0#

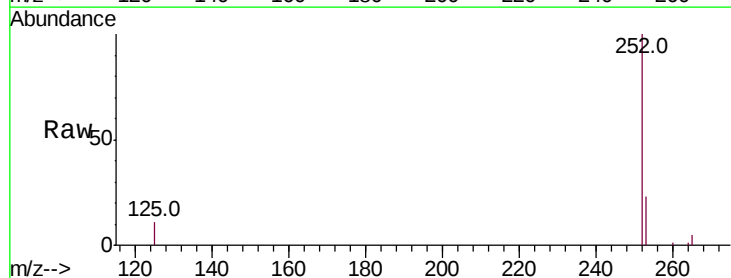


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

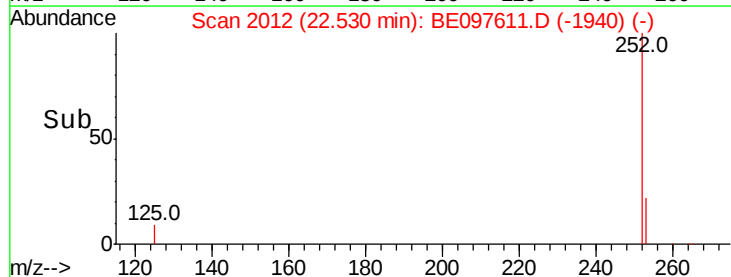
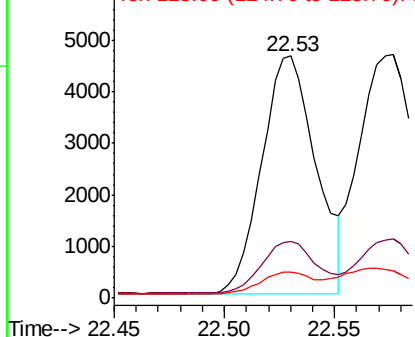


#36
Benzo(k)fluoranthene
Concen: 0.355 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.04 min
Lab File: BE097611.D
Acq: 21 Sep 2018 14:48

Tgt Ion:252 Resp: 7918
Ion Ratio Lower Upper
252 100
253 23.4 16.0 24.0
125 10.8 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: 0.425 ng

RT: 23.11 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

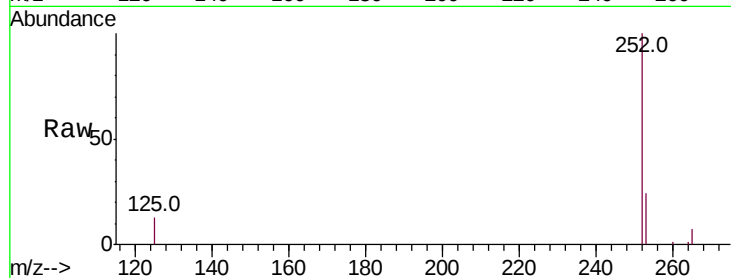
Tot Ion:252 Resp: 8075

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

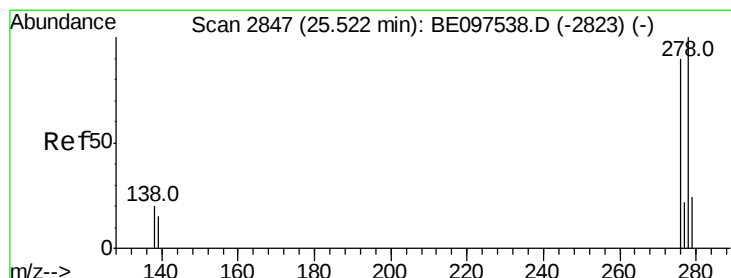
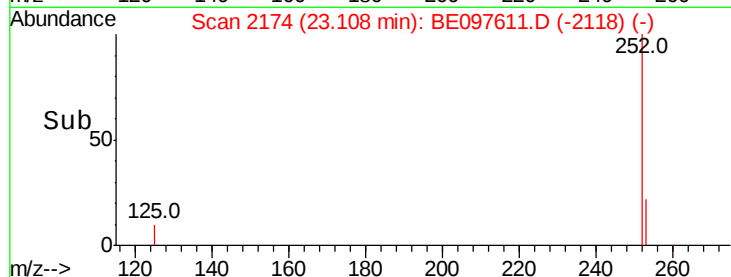
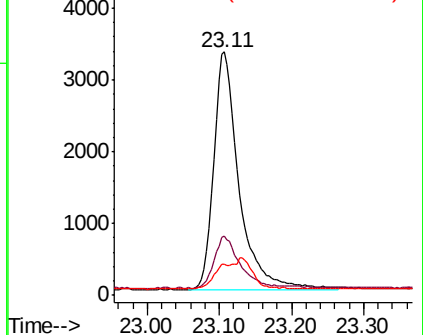
125 12.7 12.0 18.0



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: 0.426 ng

RT: 25.52 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

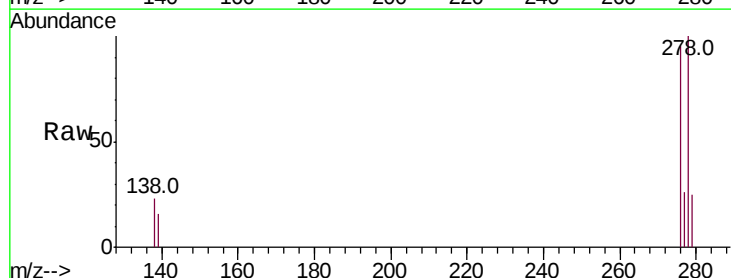
Tgt Ion:278 Resp: 8722

Ion Ratio Lower Upper

278 100

139 15.6 16.0 24.0#

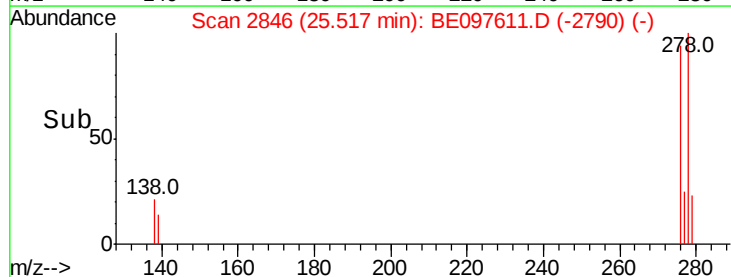
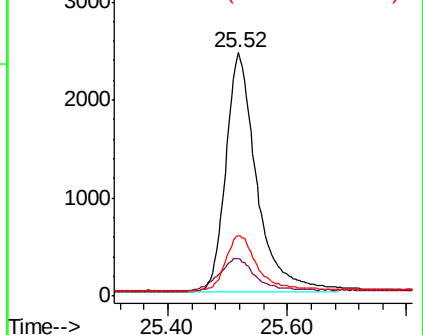
279 25.1 20.0 30.0



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: 0.435 ng

RT: 26.20 min Scan# 3038

Delta R.T. 0.00 min

Lab File: BE097611.D

Acq: 21 Sep 2018 14:48

Instrument :

BNA_E

ClientSampleId :

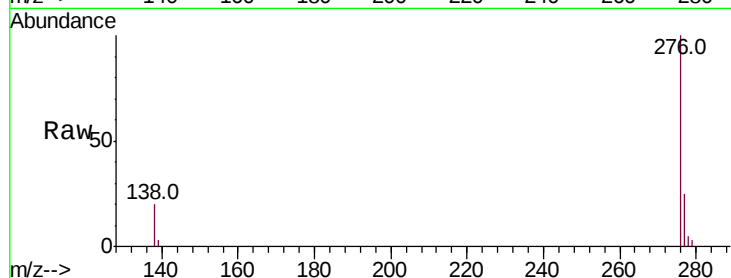
Tot Ion:276 Resp: 8669

Ion Ratio Lower Upper

276 100

277 25.4 16.0 24.0#

138 20.1 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

