

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072618\
 Data File : BE097102.D
 Acq On : 26 Jul 2018 13:58
 Operator : SJ/JU
 Sample : J3762-01
 Misc : LOD 0.1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 27 03:29:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1103	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5384	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3192	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	9221	0.40	ng	0.01
27) Chrysene-d12	20.98	240	6917	0.40	ng	0.00
34) Perylene-d12	23.22	264	5364	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1022	0.33	ng	0.00
5) Phenol-d6	6.59	99	1377	0.30	ng	0.00
8) Nitrobenzene-d5	8.53	82	1685	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3050	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	262	0.25	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	4488	0.41	ng	0.00
25) Fluoranthene-d10	18.82	212	33502	0.36	ng	0.00
29) Terphenyl-d14	19.43	244	5341	0.40	ng	0.00

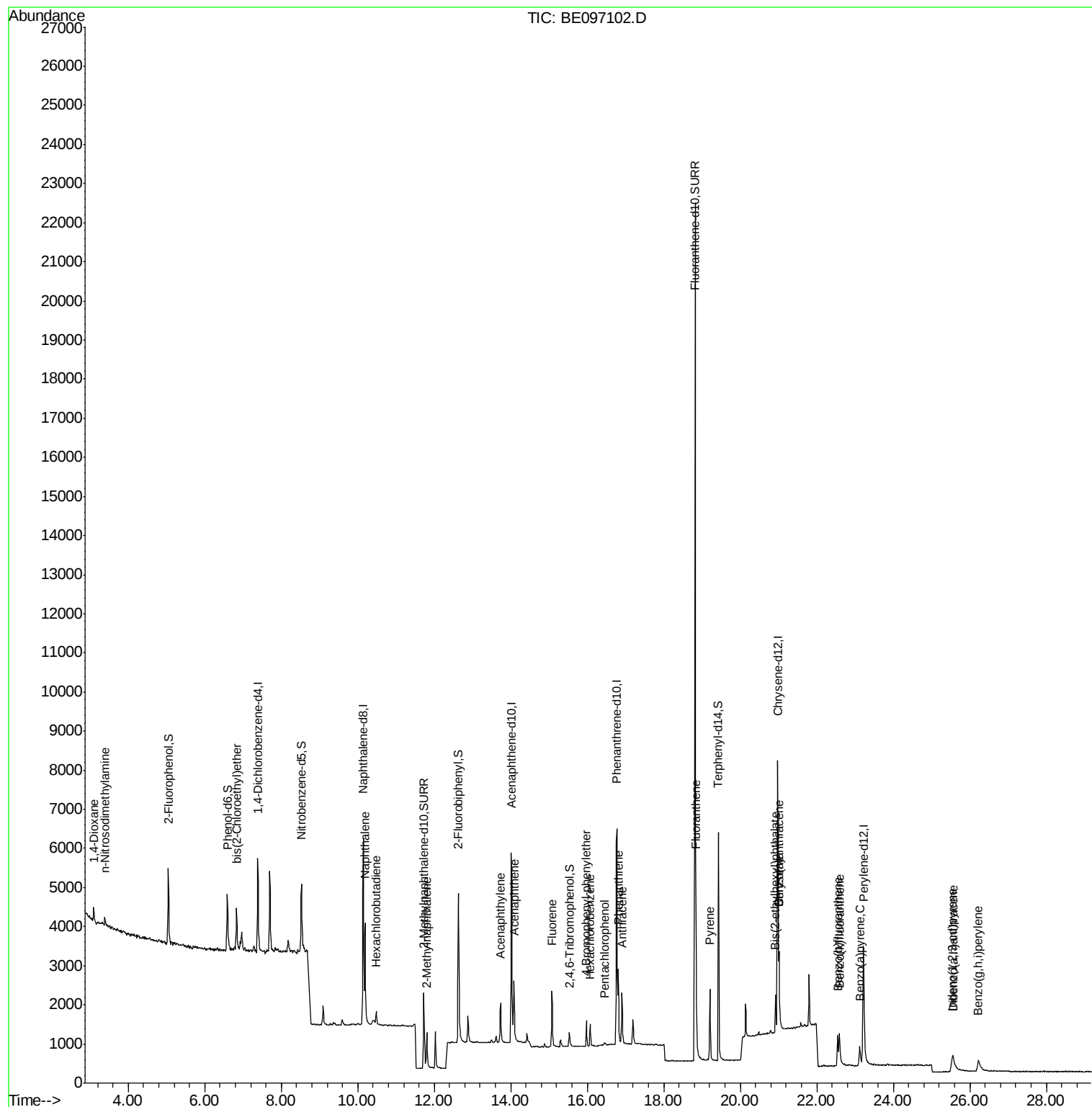
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	200	0.114	ng	91
3) n-Nitrosodimethylamine	3.39	42	155	0.079	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	795	0.191	ng	# 21
9) Naphthalene	10.20	128	4673	0.097	ng	# 97
10) Hexachlorobutadiene	10.48	225	217	0.100	ng	97
12) 2-Methylnaphthalene	11.81	142	760	0.092	ng	98
16) Acenaphthylene	13.74	152	1355	0.095	ng	98
17) Acenaphthene	14.08	154	782	0.094	ng	# 88
18) Fluorene	15.07	166	989	0.090	ng	# 81
20) 4-Bromophenyl-phenylether	15.98	248	399	0.089	ng	# 84
21) Hexachlorobenzene	16.08	284	469	0.098	ng	# 82
22) Pentachlorophenol	16.45	266	84	0.108	ng	97
23) Phenanthrene	16.81	178	1998	0.091	ng	99
24) Anthracene	16.90	178	1562	0.079	ng	# 94
26) Fluoranthene	18.84	202	2080	0.084	ng	99
28) Pyrene	19.21	202	1884	0.099	ng	99
30) Benzo(a)anthracene	21.02	228	1792	0.104	ng	95
31) Chrysene	21.02	228	1766	0.096	ng	95
32) Bis(2-ethylhexyl)phthalate	20.92	149	1446	0.072	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.54	276	1028	0.062	ng	# 70
35) Benzo(b)fluoranthene	22.54	252	1180	0.087	ng	# 92
36) Benzo(k)fluoranthene	22.59	252	1453	0.091	ng	# 76
37) Benzo(a)pyrene	23.12	252	1011	0.079	ng	# 73
38) Dibenzo(a,h)anthracene	25.56	278	658	0.051	ng	# 58
39) Benzo(g,h,i)perylene	26.23	276	878	0.065	ng	# 71

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

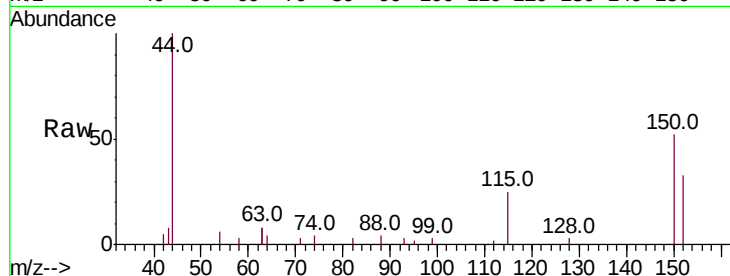
Tot Ion:152 Resp: 1103

Ion Ratio Lower Upper

152 100

150 156.5 117.2 175.8

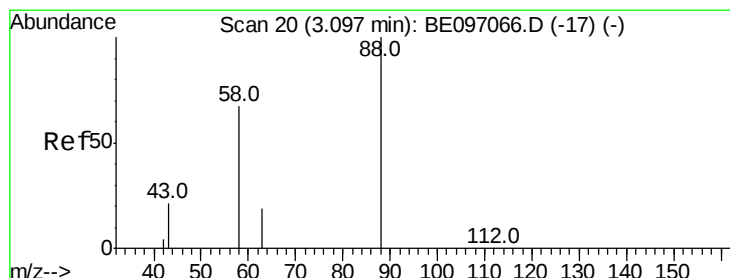
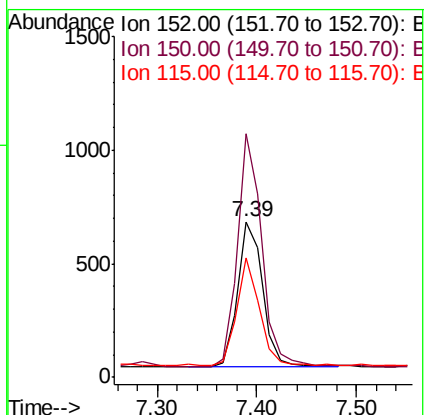
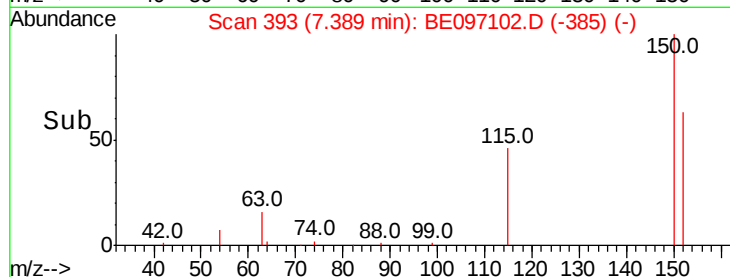
115 76.5 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.114 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

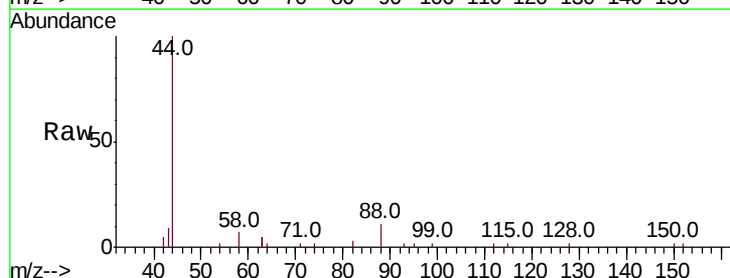
Tgt Ion: 88 Resp: 200

Ion Ratio Lower Upper

88 100

58 73.0 63.2 94.8

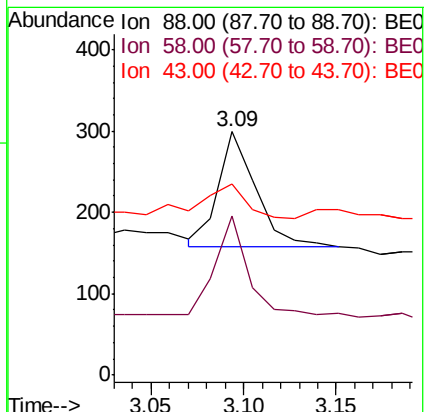
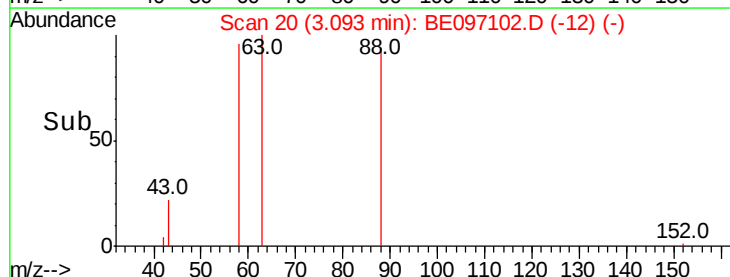
43 43.5 41.2 61.8



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: 0.079 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE097102.D

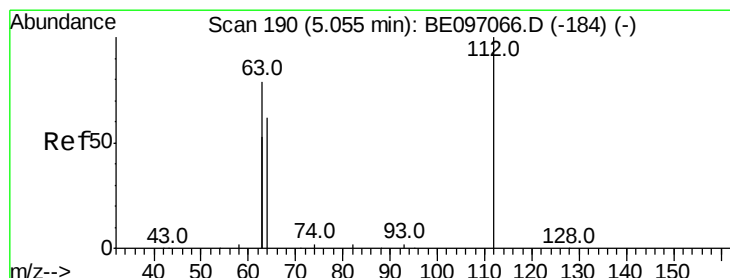
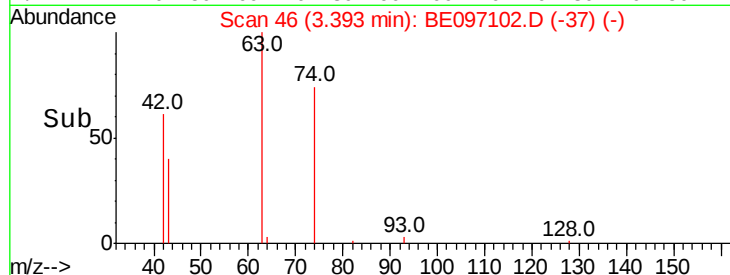
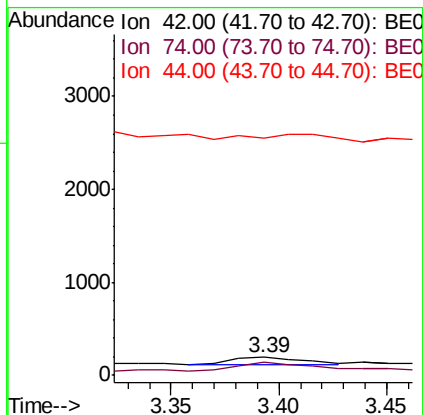
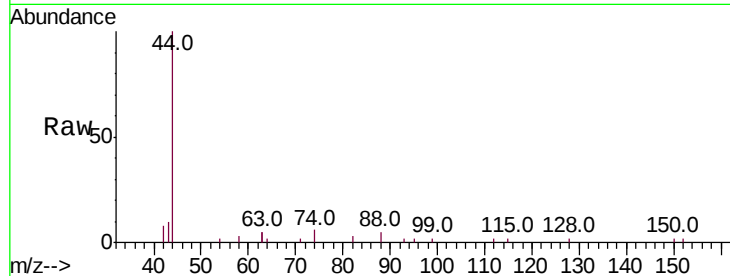
Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	155
Ion	Ratio	Lower	Upper
42	100		
74	123.2	96.0	144.0
44	0.0	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.330 ng

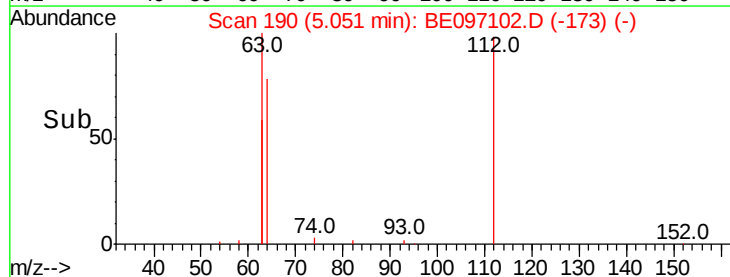
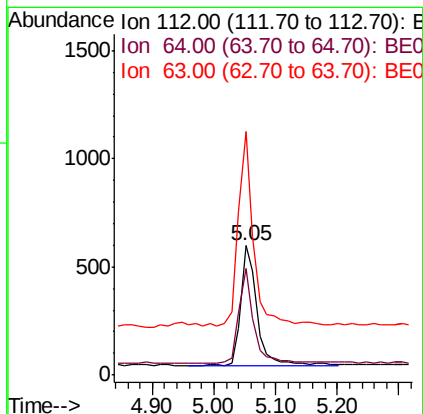
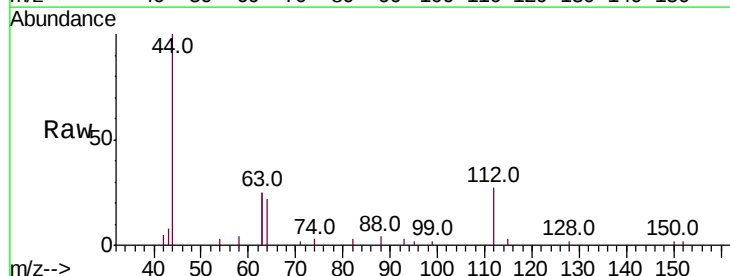
RT: 5.05 min Scan# 190

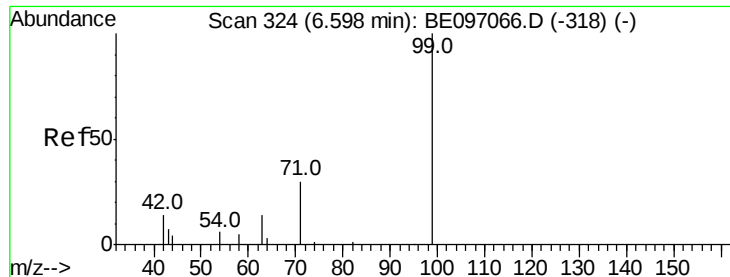
Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Tgt Ion:	112	Resp:	1022
Ion	Ratio	Lower	Upper
112	100		
64	71.9	60.1	90.1
63	155.3	116.8	175.2





#5

Phenol-d6

Concen: 0.303 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampled :

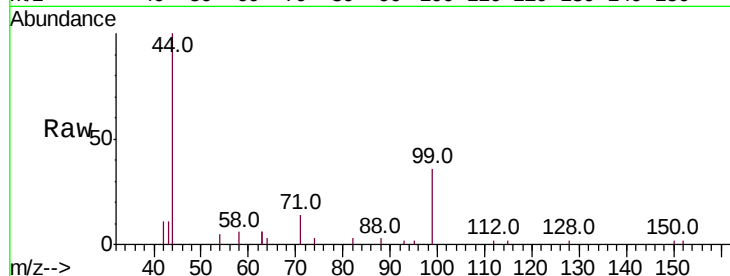
Tot Ion: 99 Resp: 1377

Ion Ratio Lower Upper

99 100

42 25.3 20.2 30.2

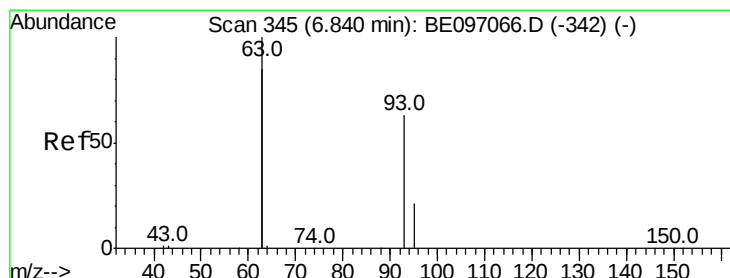
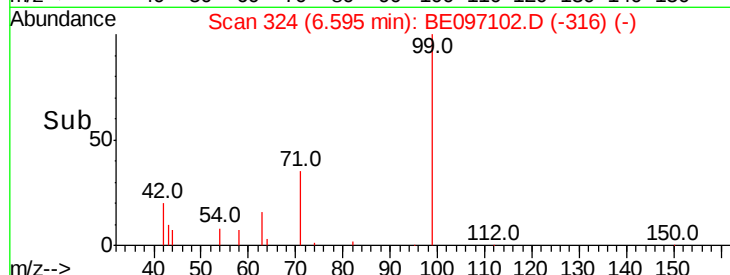
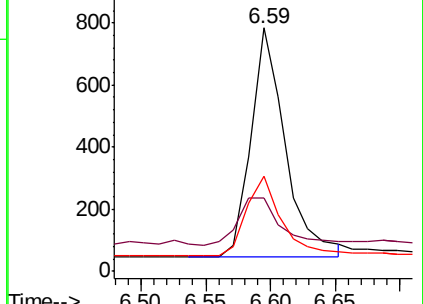
71 35.4 28.4 42.6



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: 0.191 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

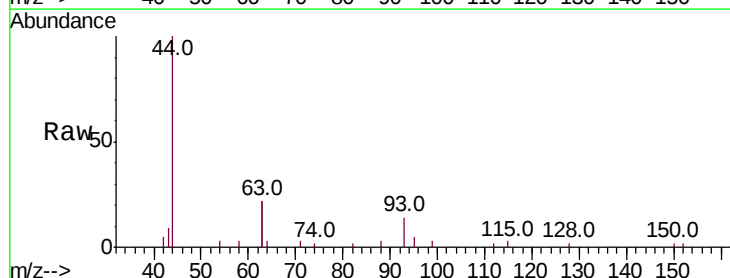
Tgt Ion: 93 Resp: 795

Ion Ratio Lower Upper

93 100

63 164.2 275.3 412.9#

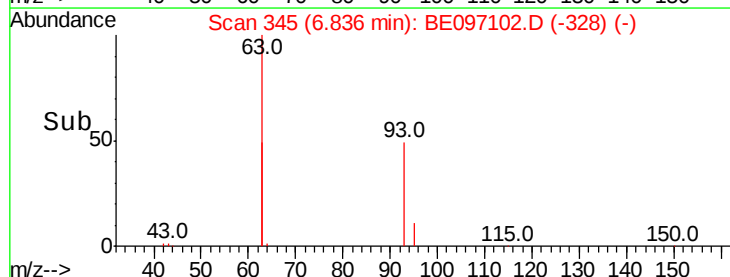
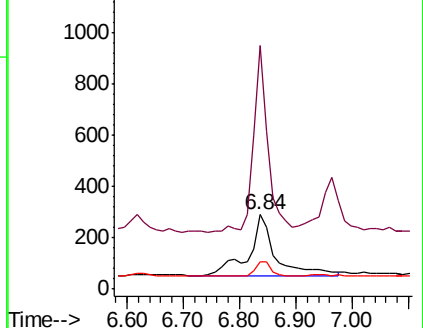
95 14.7 25.2 37.8#



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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5384

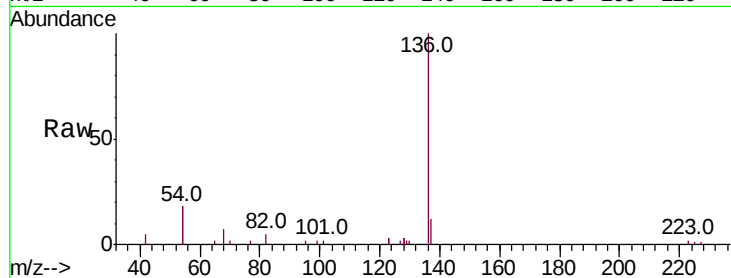
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 36.9 29.1 43.7

68 7.0 6.2 9.2

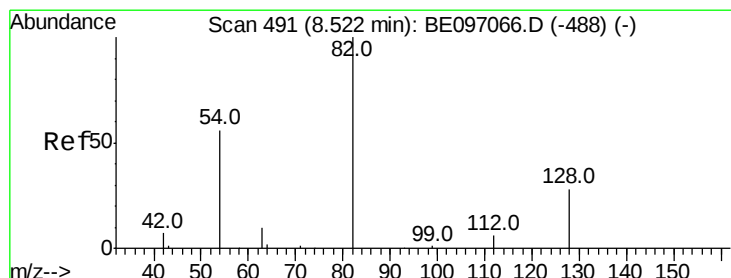
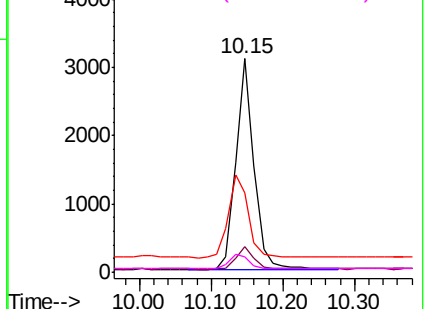
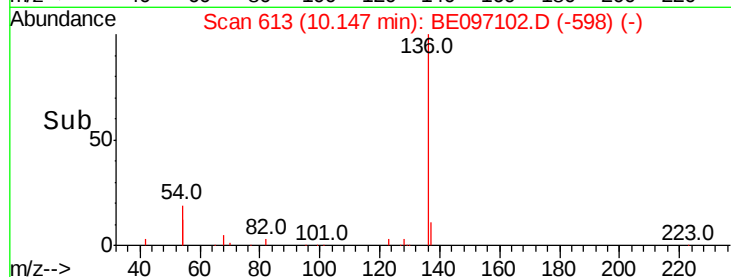


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.360 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

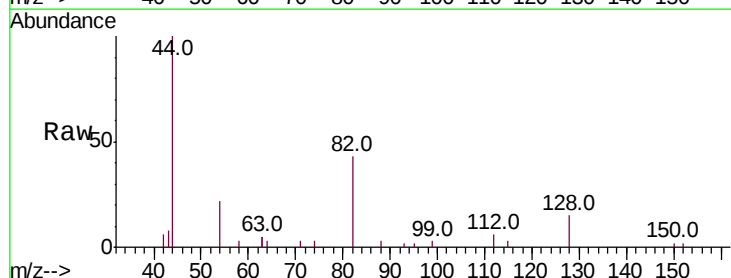
Tgt Ion: 82 Resp: 1685

Ion Ratio Lower Upper

82 100

128 35.1 24.0 36.0

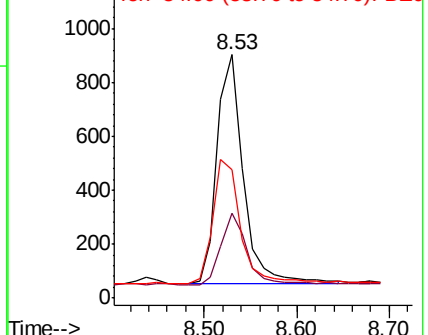
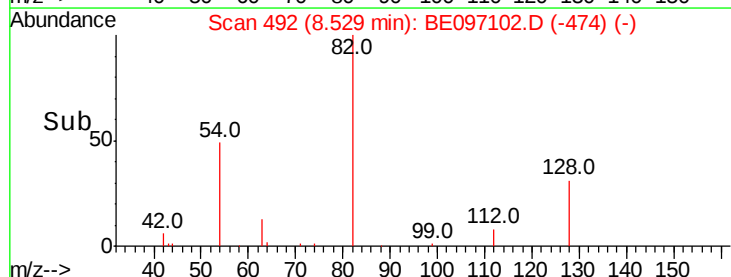
54 52.7 40.0 60.0

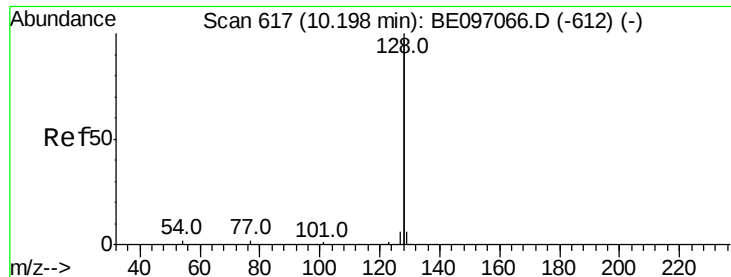


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.097 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

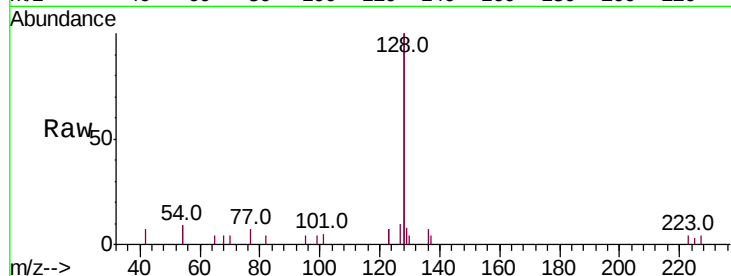
Tot Ion:128 Resp: 4673

Ion Ratio Lower Upper

128 100

129 4.2 2.6 3.8#

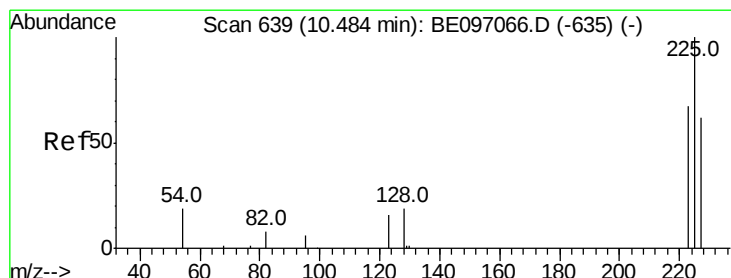
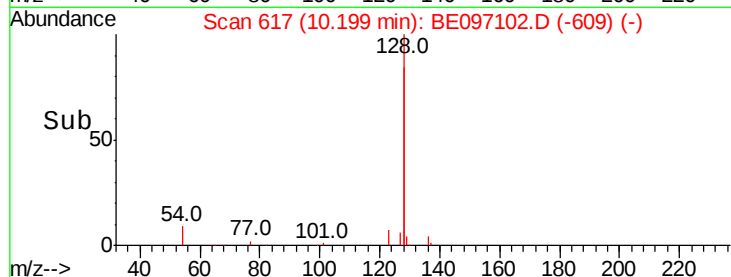
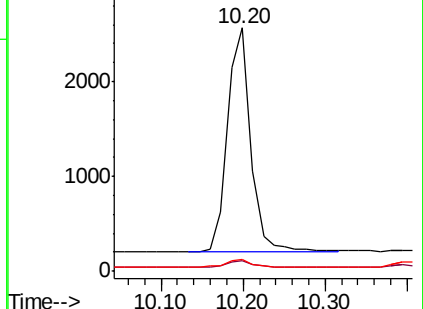
127 4.8 2.8 4.2#



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: 0.100 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

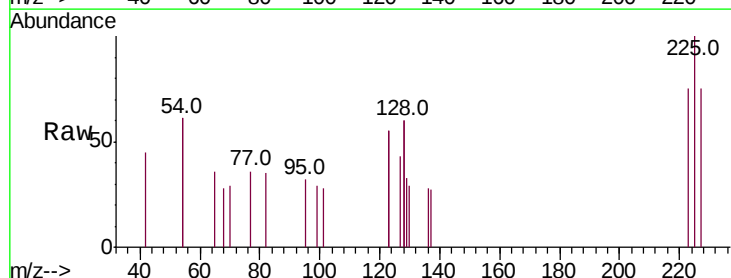
Tgt Ion:225 Resp: 217

Ion Ratio Lower Upper

225 100

223 65.9 53.0 79.6

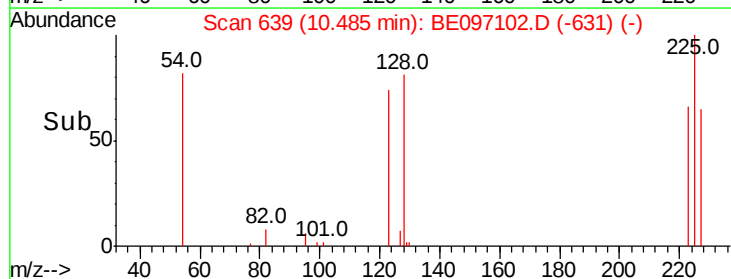
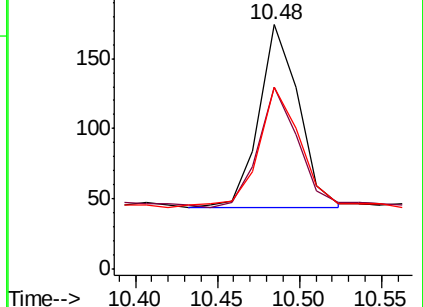
227 68.7 51.4 77.2

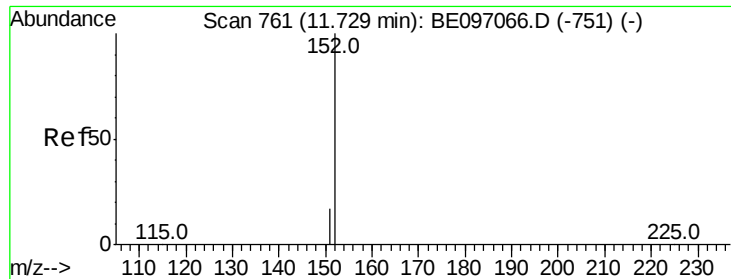


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

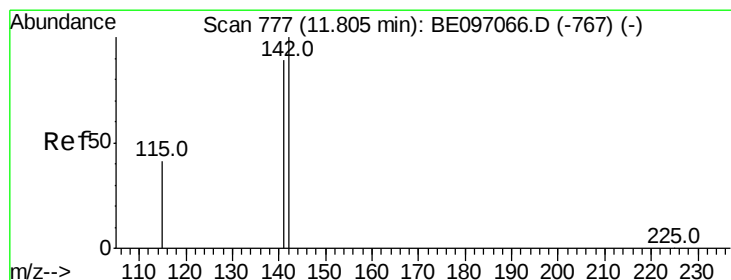
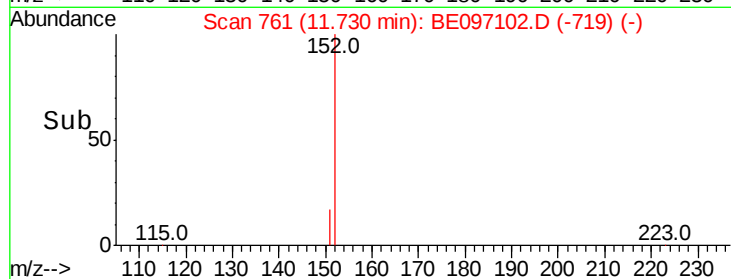
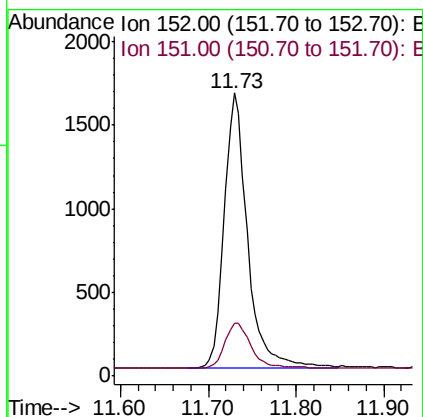
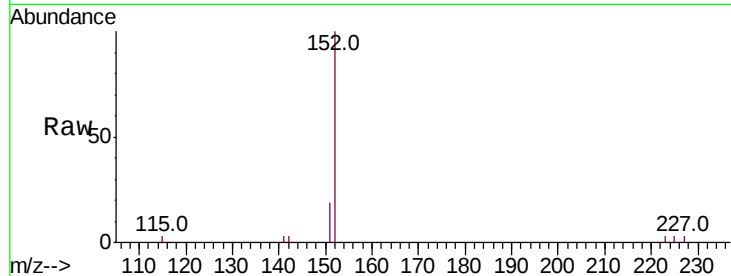




#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097102.D
Acq: 26 Jul 2018 13:58

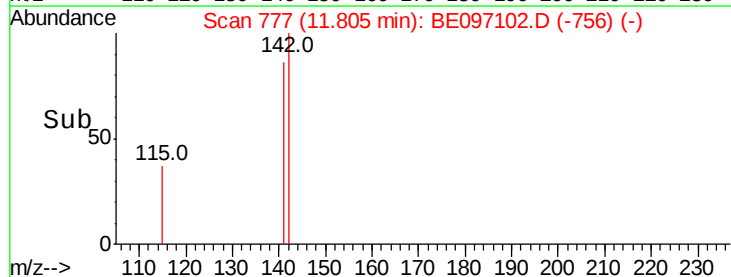
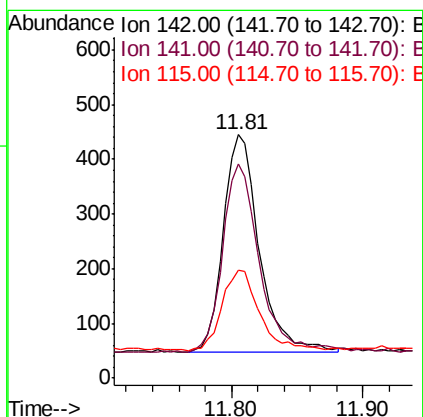
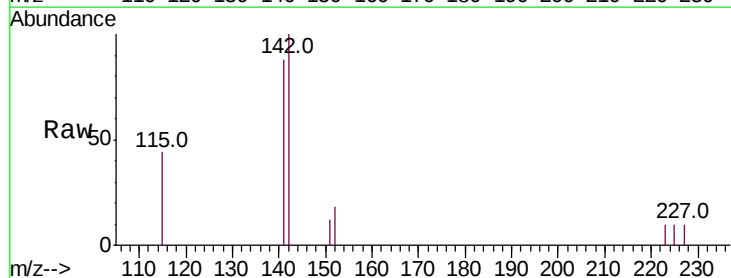
Instrument :
BNA_E
ClientSampleId :

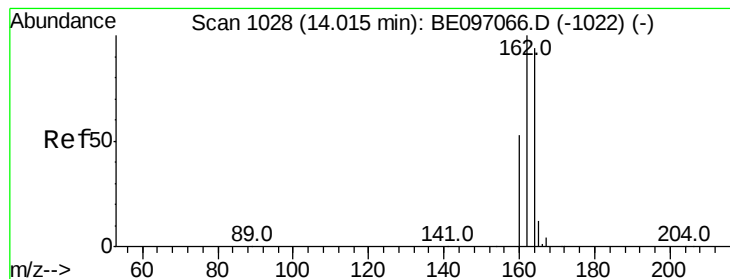
Tot Ion:152 Resp: 3050
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.092 ng
RT: 11.81 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097102.D
Acq: 26 Jul 2018 13:58

Tgt Ion:142 Resp: 760
Ion Ratio Lower Upper
142 100
141 88.1 70.4 105.6
115 44.3 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

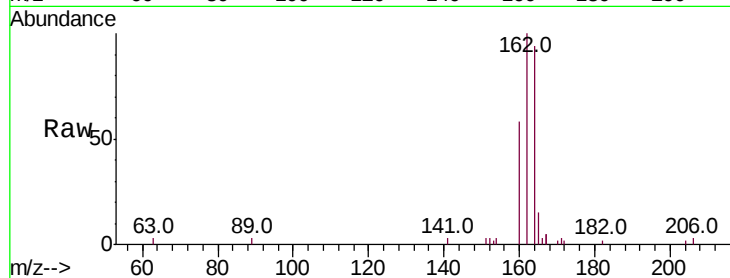
Tot Ion:164 Resp: 3192

Ion Ratio Lower Upper

164 100

162 106.6 83.1 124.7

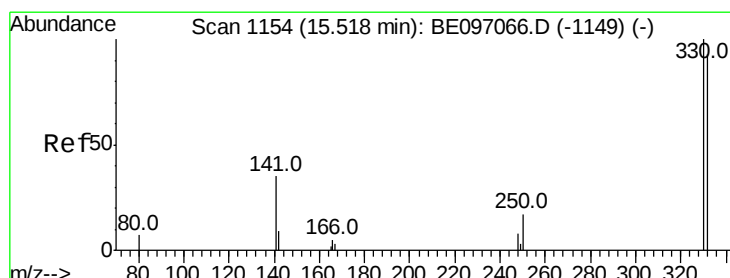
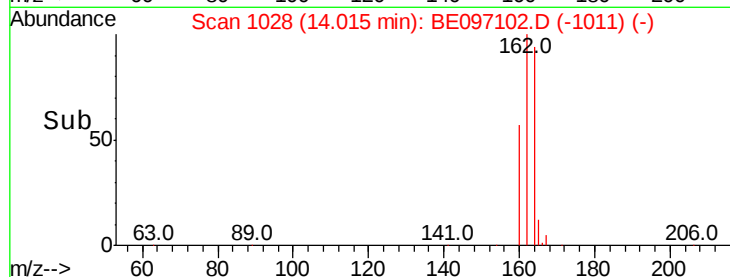
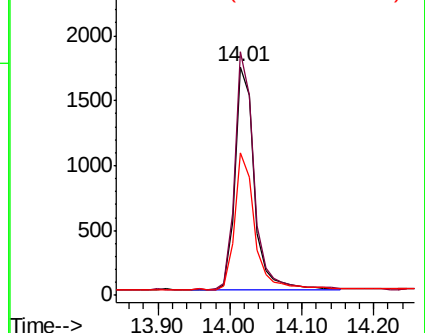
160 62.3 37.1 55.7#



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: 0.249 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

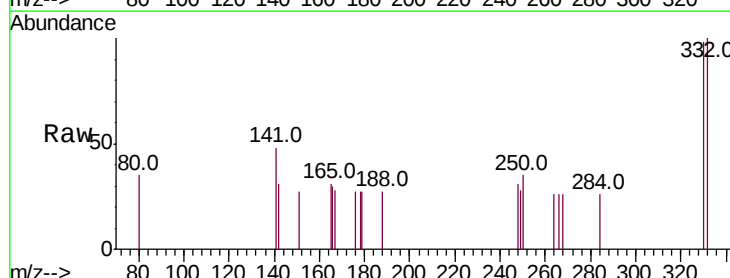
Tgt Ion:330 Resp: 262

Ion Ratio Lower Upper

330 100

332 94.7 152.7 229.1#

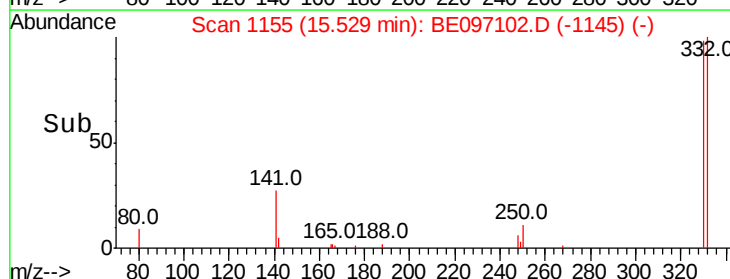
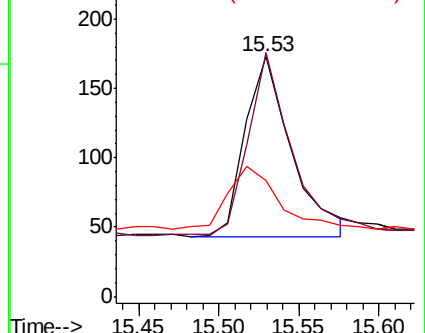
141 36.3 33.7 50.5

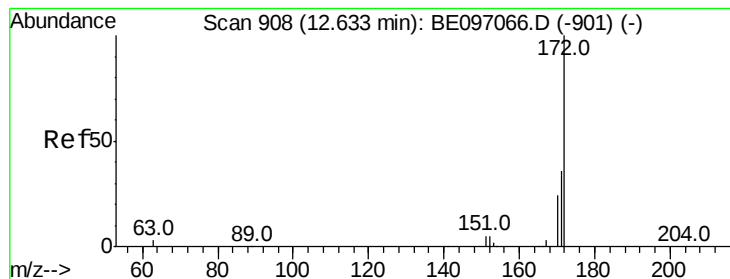


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

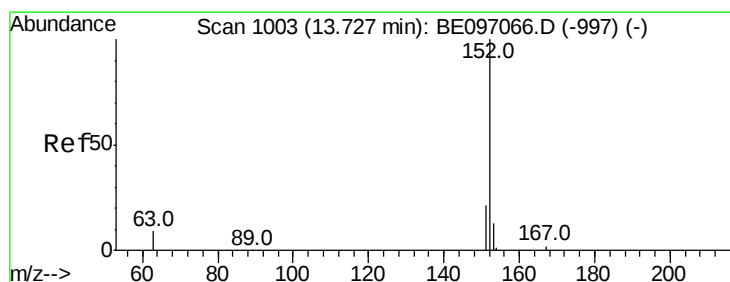
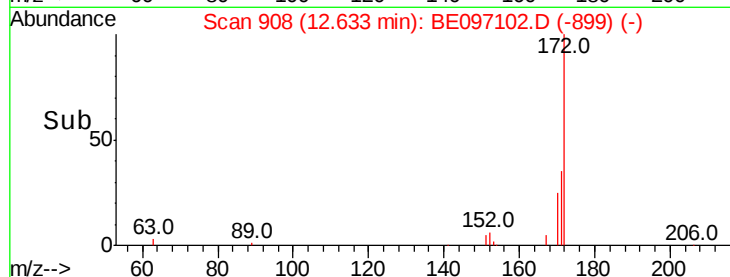
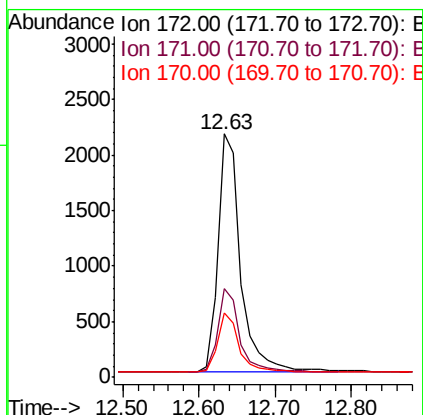
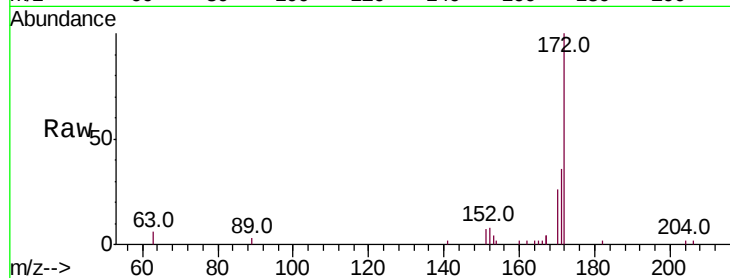




#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097102.D
Acq: 26 Jul 2018 13:58

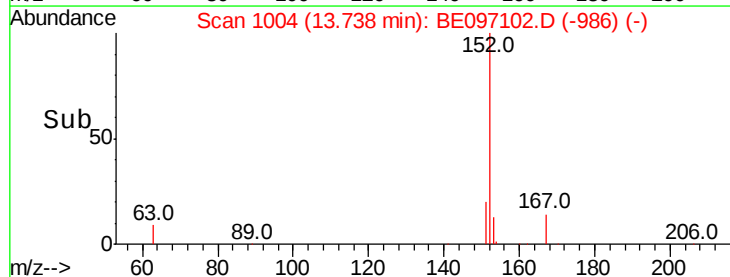
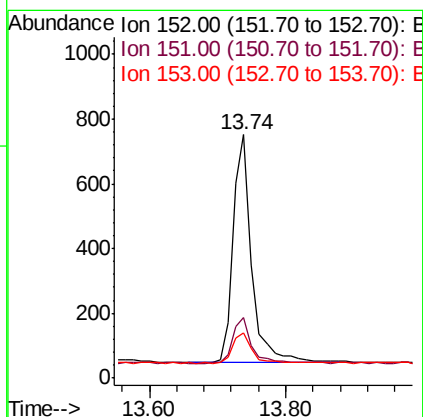
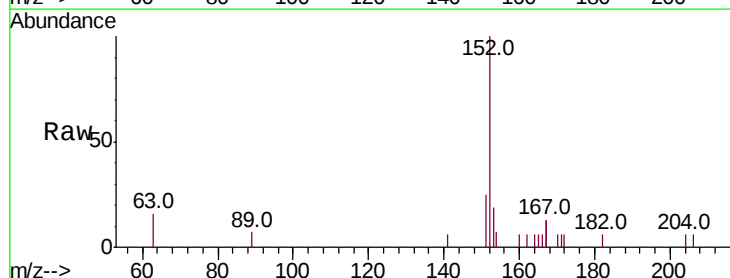
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4488
Ion Ratio Lower Upper
172 100
171 36.4 29.9 44.9
170 26.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.095 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BE097102.D
Acq: 26 Jul 2018 13:58

Tgt Ion:152 Resp: 1355
Ion Ratio Lower Upper
152 100
151 20.7 15.7 23.5
153 14.0 10.5 15.7





#17

Acenaphthene

Concen: 0.094 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

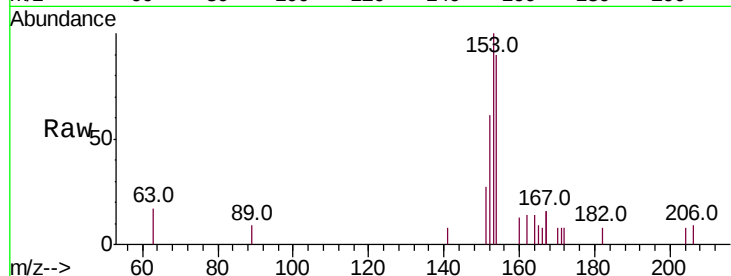
Tot Ion:154 Resp: 782

Ion Ratio Lower Upper

154 100

153 118.5 89.2 133.8

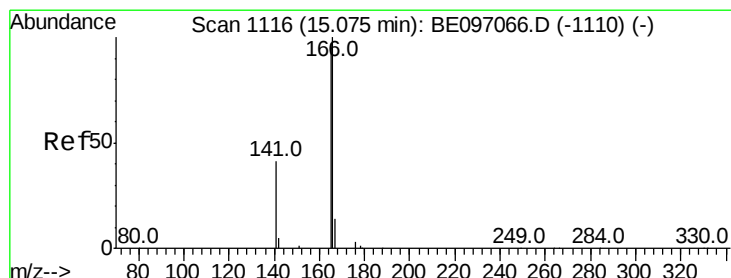
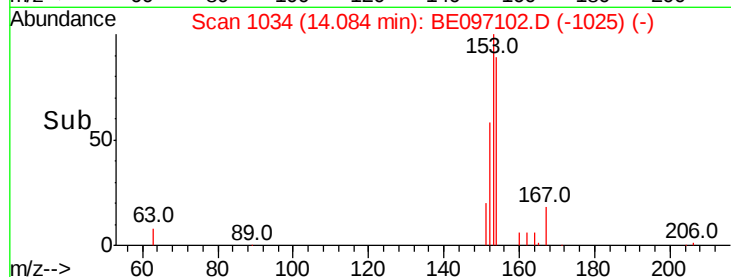
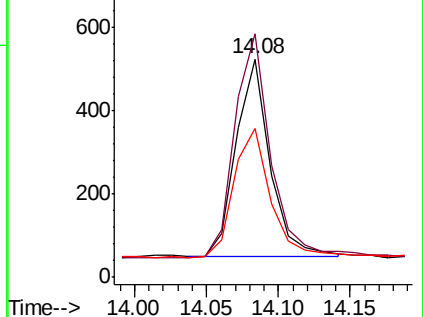
152 70.1 42.0 63.0#



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: 0.090 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

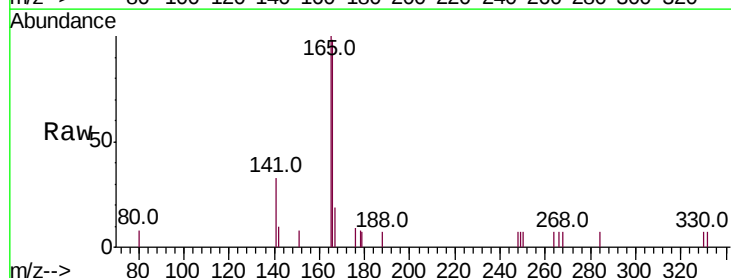
Tgt Ion:166 Resp: 989

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.6

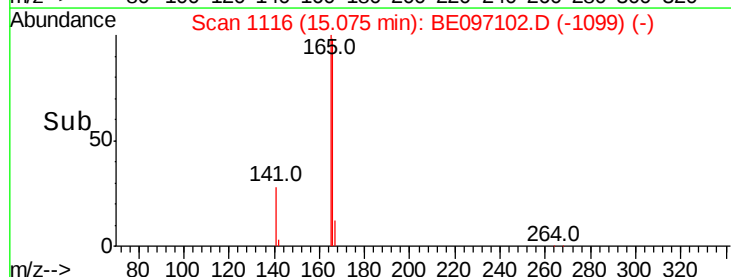
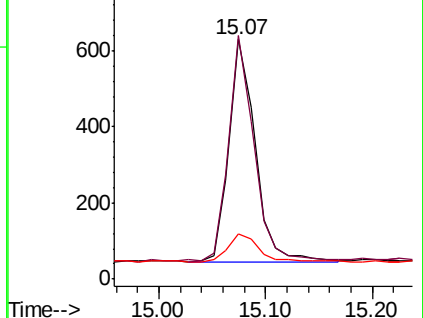
167 15.2 42.4 63.6#

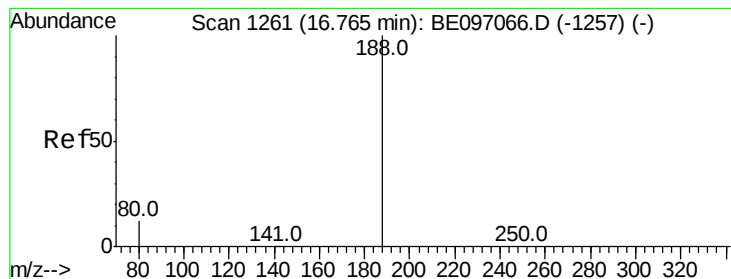


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.78 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

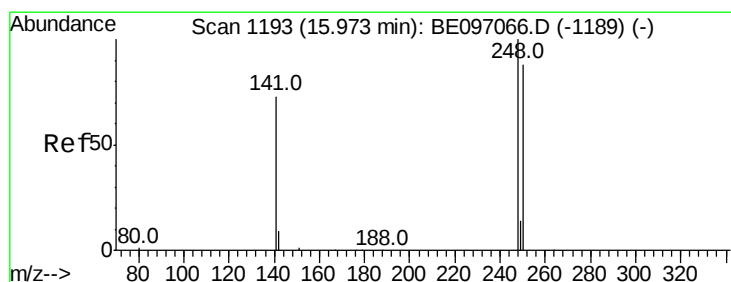
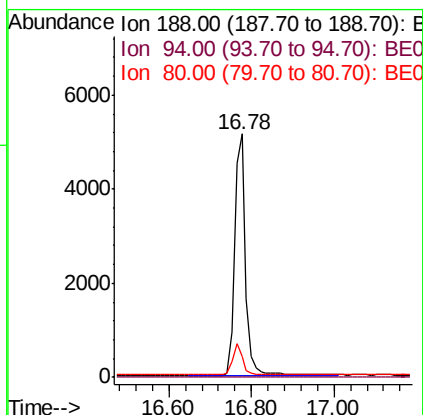
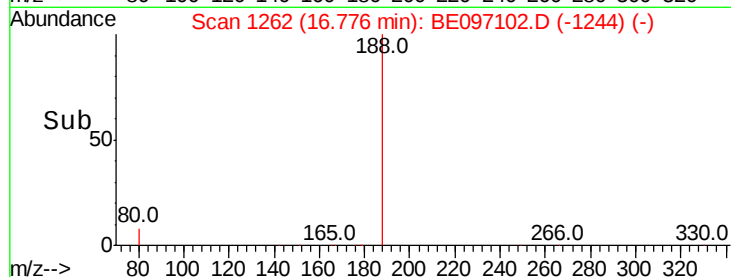
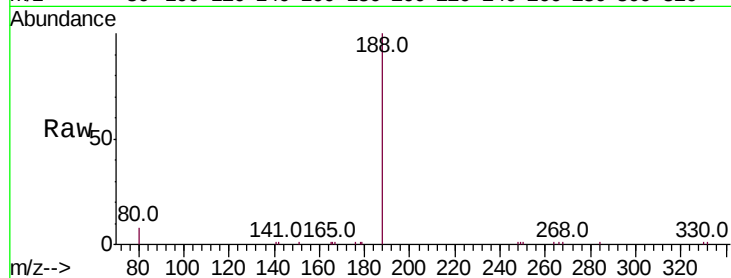
Tot Ion:188 Resp: 9221

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 8.5 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.089 ng

RT: 15.98 min Scan# 1194

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

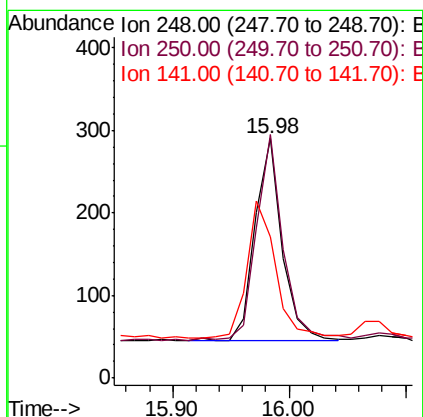
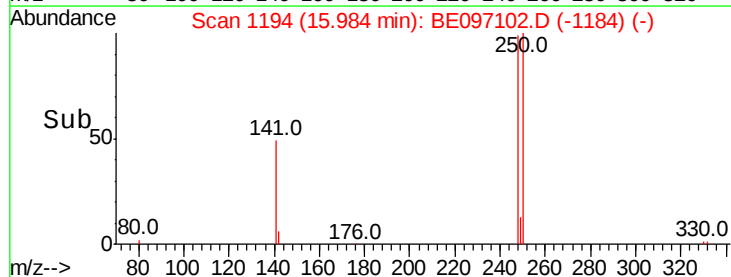
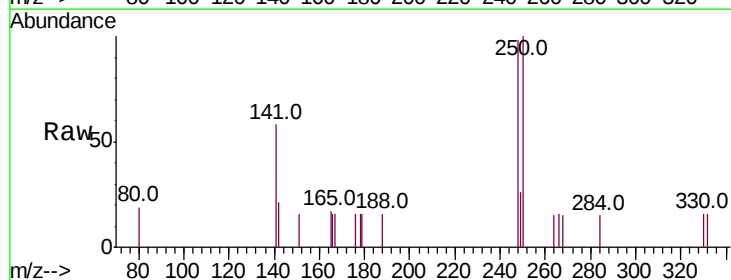
Tgt Ion:248 Resp: 399

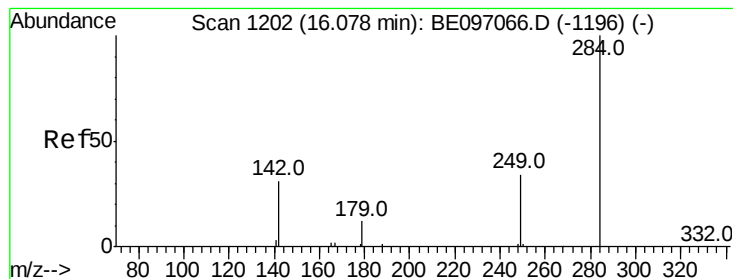
Ion Ratio Lower Upper

248 100

250 101.7 62.7 94.1#

141 59.0 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.098 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

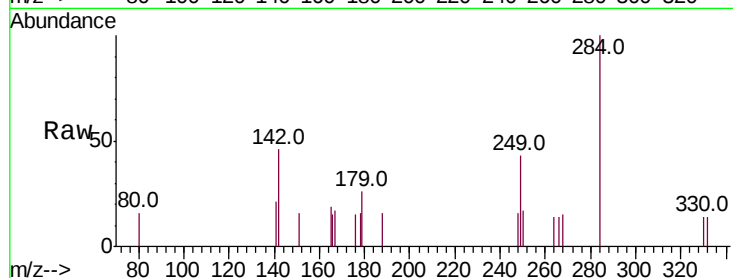
Tot Ion:284 Resp: 469

Ion Ratio Lower Upper

284 100

142 35.0 22.1 33.1#

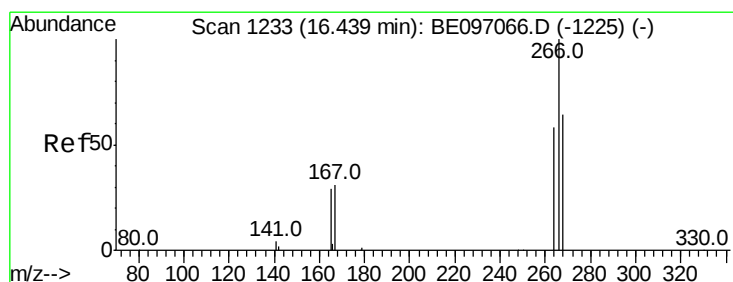
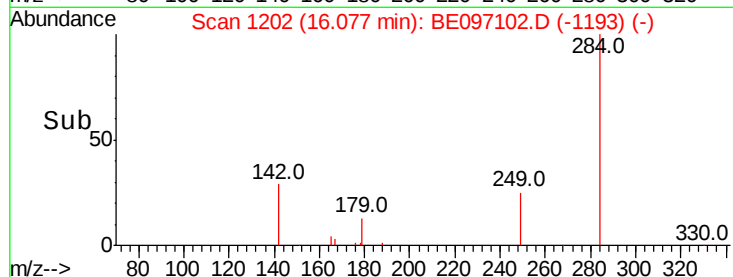
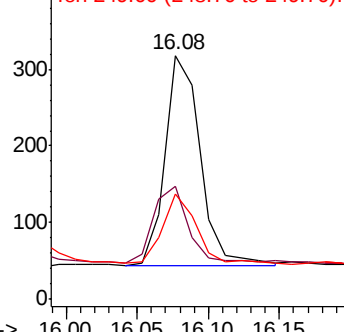
249 30.5 34.8 52.2#



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: 0.108 ng

RT: 16.45 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

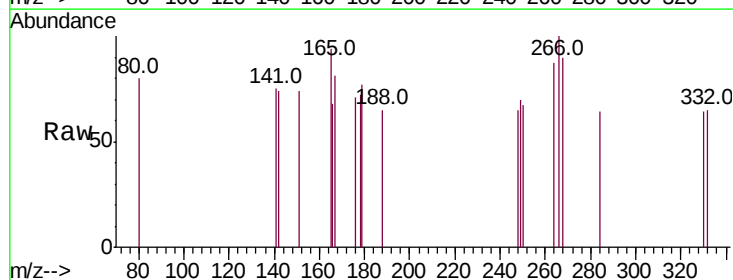
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 87.0 72.5 108.7

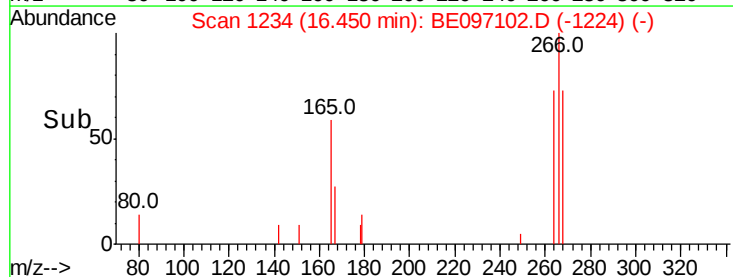
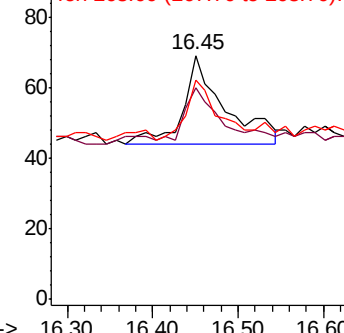
268 89.9 73.8 110.6

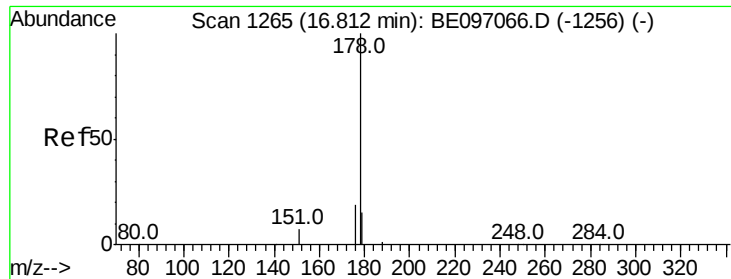


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.091 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

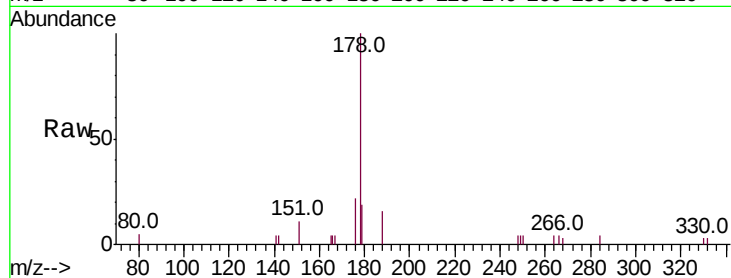
Tot Ion:178 Resp: 1998

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

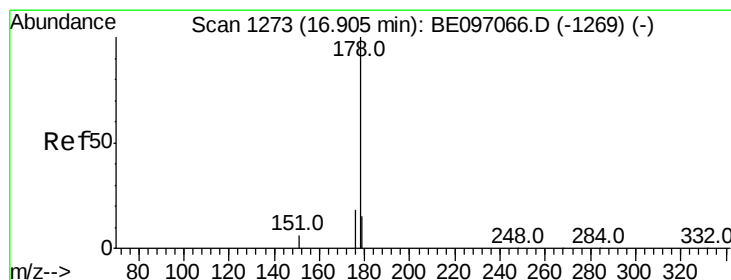
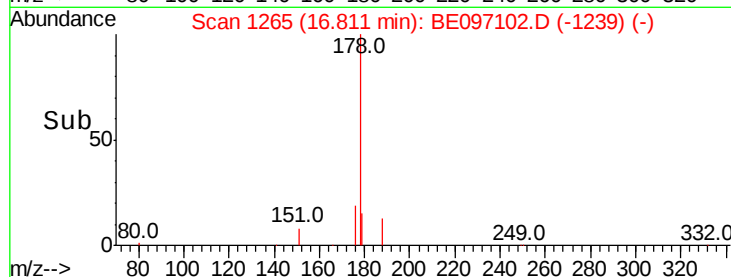
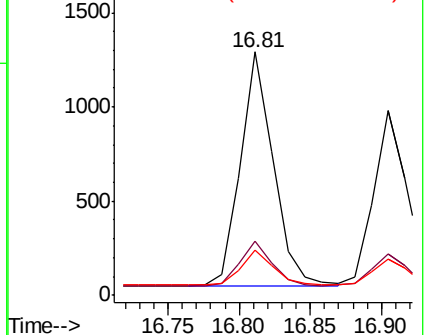
179 15.4 11.8 17.6



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: 0.079 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

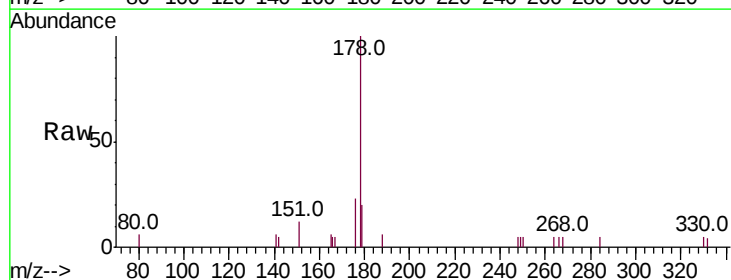
Tgt Ion:178 Resp: 1562

Ion Ratio Lower Upper

178 100

176 19.9 12.8 19.2#

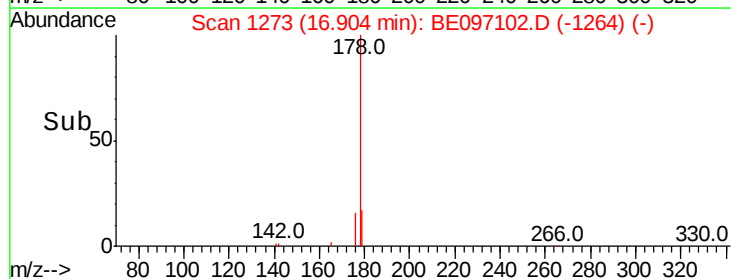
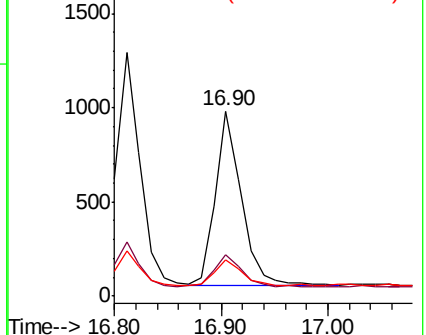
179 15.4 13.0 19.6



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: 0.363 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

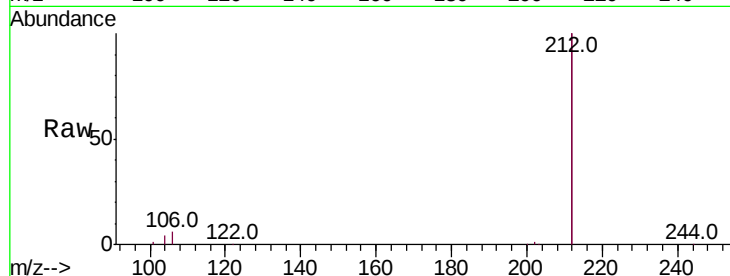
Tot Ion:212 Resp: 33502

Ion Ratio Lower Upper

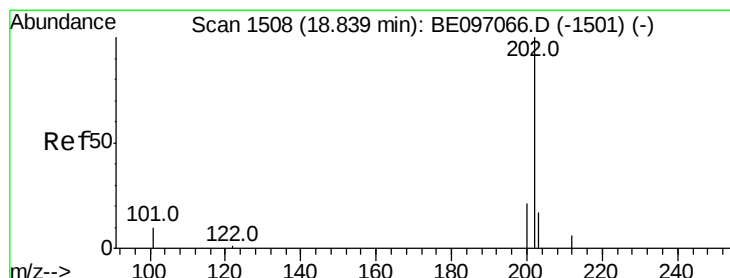
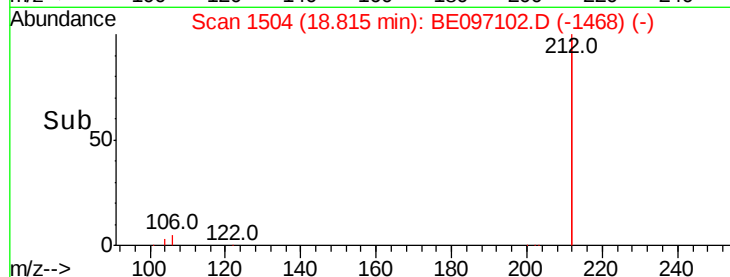
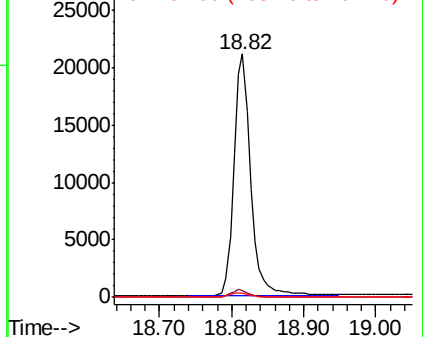
212 100

106 3.0 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: 0.084 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

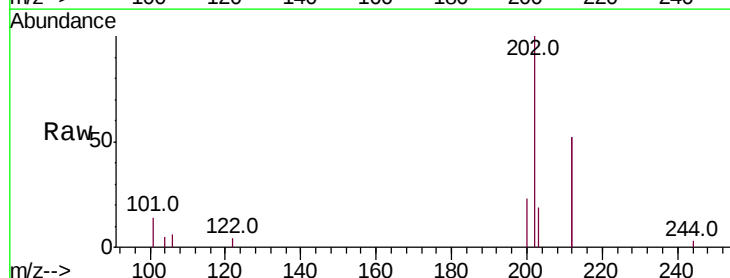
Tgt Ion:202 Resp: 2080

Ion Ratio Lower Upper

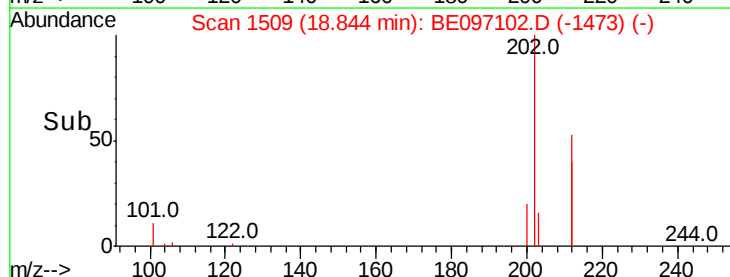
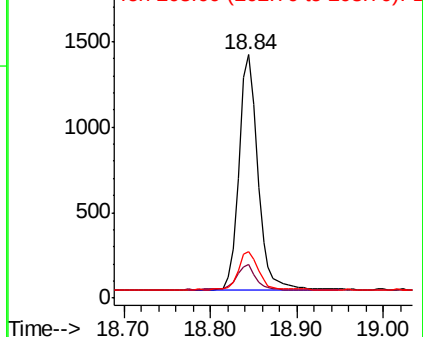
202 100

101 11.4 9.8 14.8

203 17.5 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: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

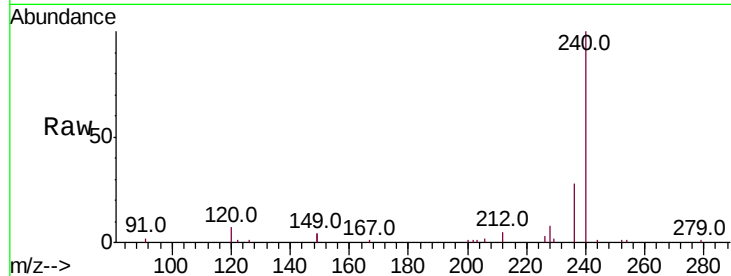
Tot Ion:240 Resp: 6917

Ion Ratio Lower Upper

240 100

120 7.5 5.5 8.3

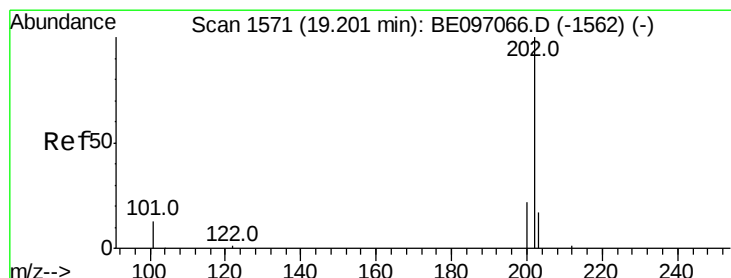
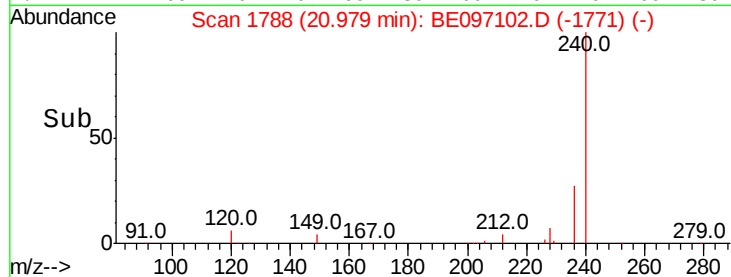
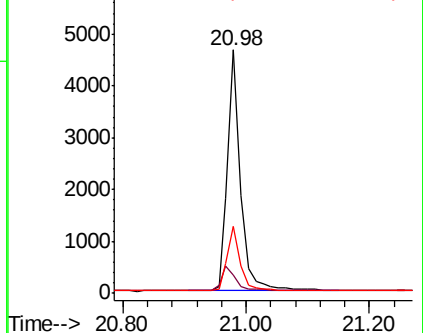
236 27.7 20.7 31.1



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: 0.099 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

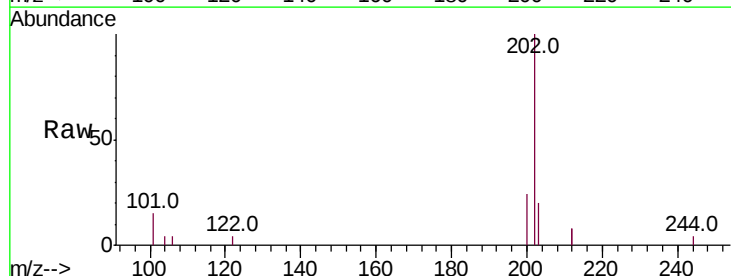
Tgt Ion:202 Resp: 1884

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

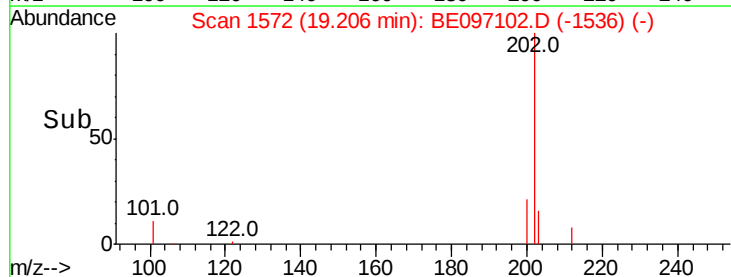
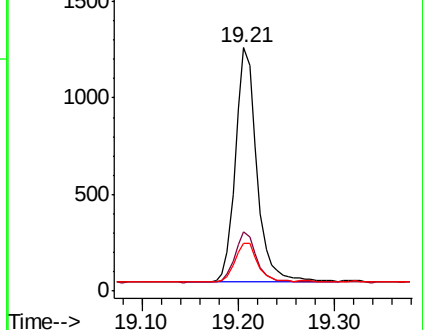
203 17.0 13.8 20.8



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

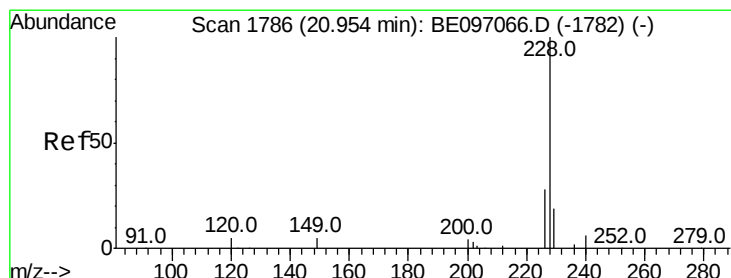
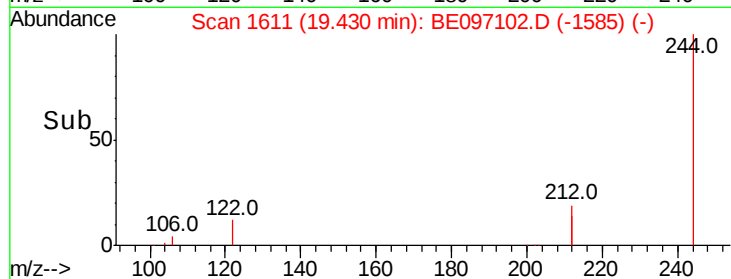
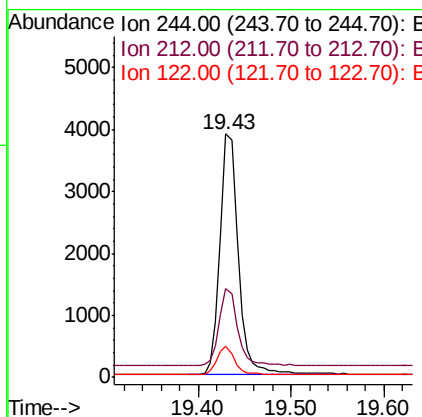
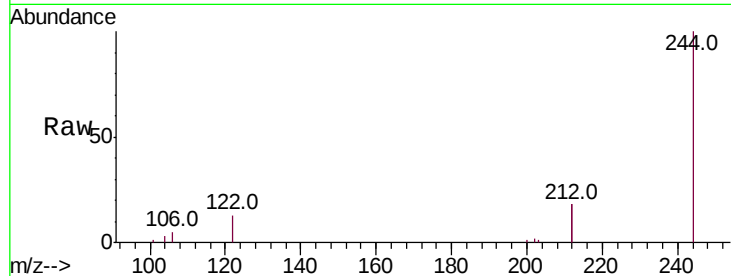




#29
 Terphenyl-d14
 Concen: 0.402 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097102.D
 Acq: 26 Jul 2018 13:58

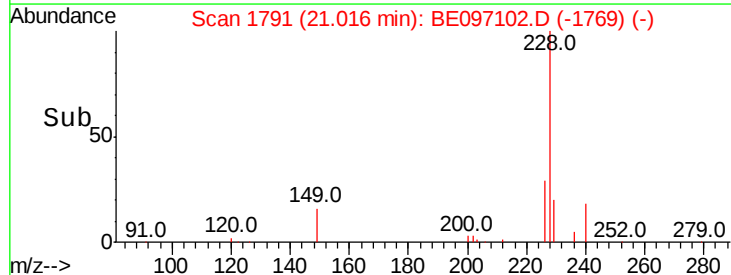
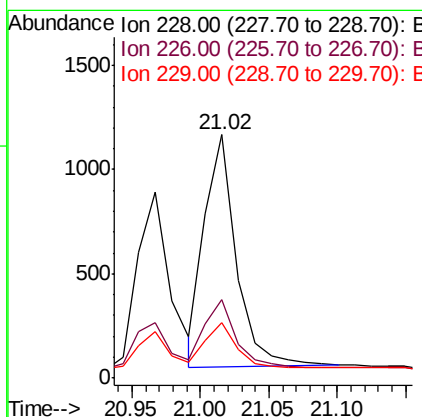
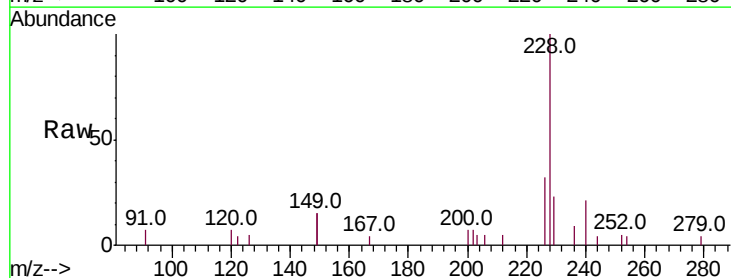
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:244 Resp: 5341
 Ion Ratio Lower Upper
 244 100
 212 36.7 25.4 38.0
 122 12.9 8.1 12.1#



#30
 Benzo(a)anthracene
 Concen: 0.104 ng
 RT: 21.02 min Scan# 1791
 Delta R.T. 0.06 min
 Lab File: BE097102.D
 Acq: 26 Jul 2018 13:58

Tgt Ion:228 Resp: 1792
 Ion Ratio Lower Upper
 228 100
 226 32.3 24.0 36.0
 229 22.8 16.0 24.0





#31

Chrysene

Concen: 0.096 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampled :

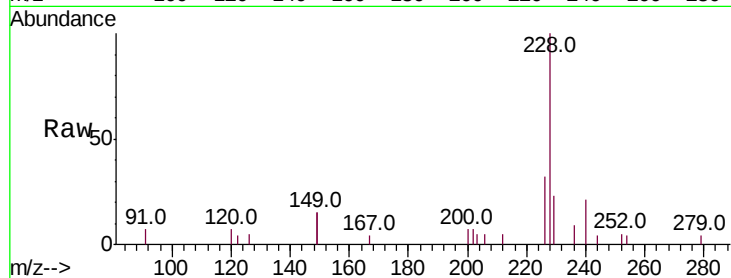
Tot Ion:228 Resp: 1766

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.0	36.0
229	22.8	16.0	24.0

228 100

226 32.3 24.0 36.0

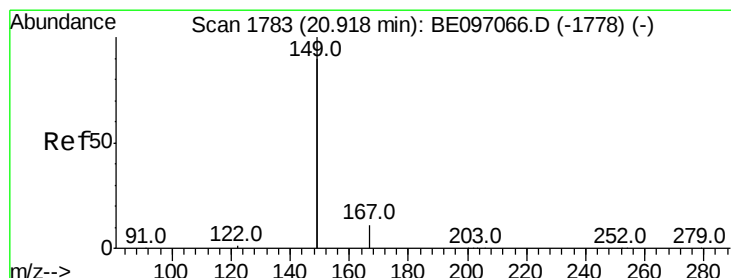
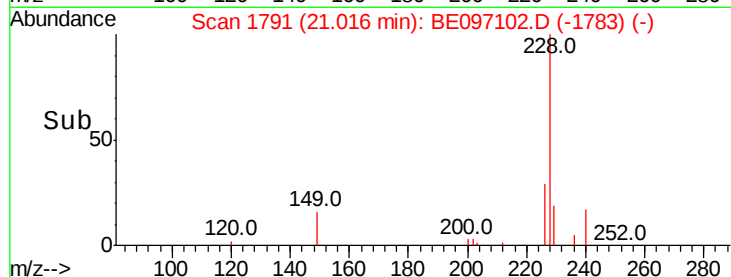
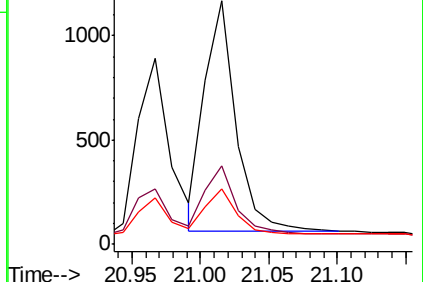
229 22.8 16.0 24.0



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: 0.072 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

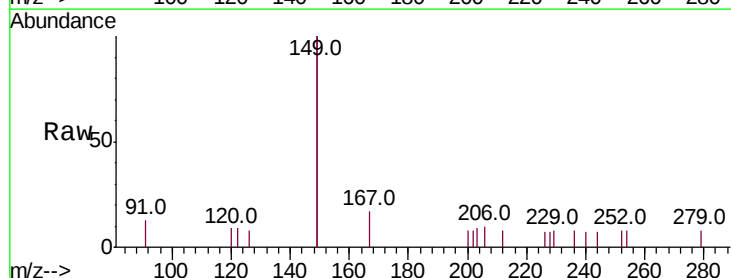
Tgt Ion:149 Resp: 1446

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	1.7	0.7	1.1#

149 100

167 6.2 5.4 8.0

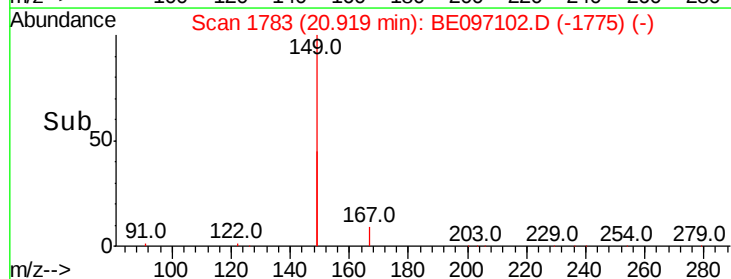
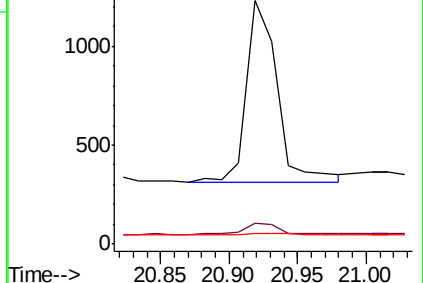
279 1.7 0.7 1.1#



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: 0.062 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.02 min

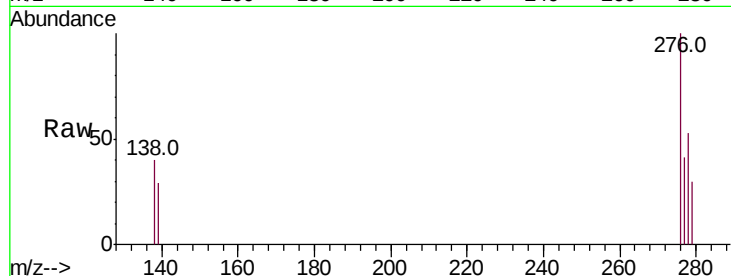
Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :



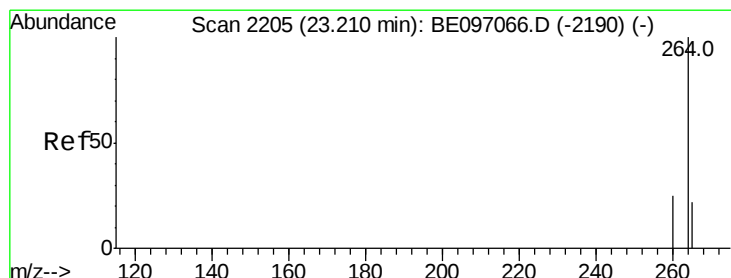
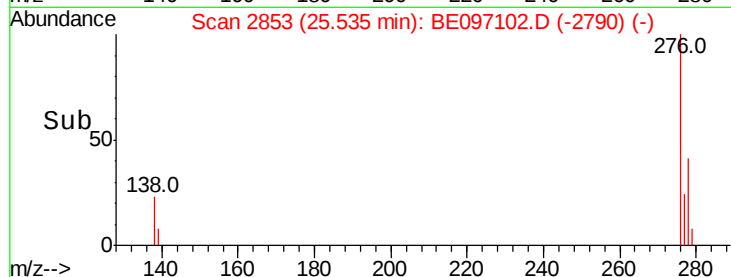
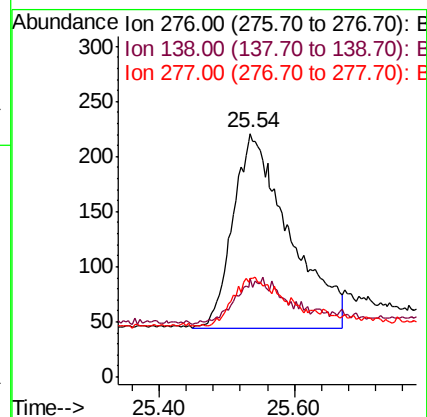
Tot Ion:276 Resp: 1028

Ion Ratio Lower Upper

276 100

138 7.9 22.5 33.7#

277 14.7 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

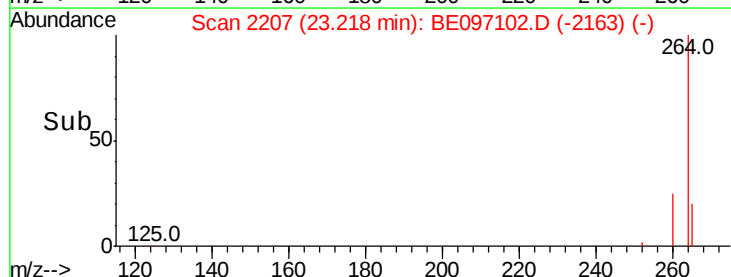
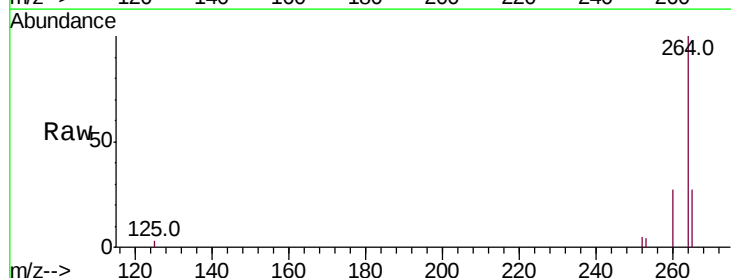
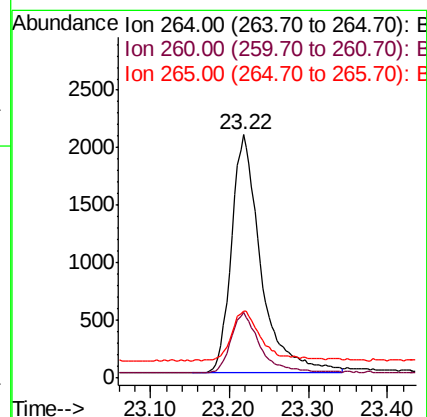
Tgt Ion:264 Resp: 5364

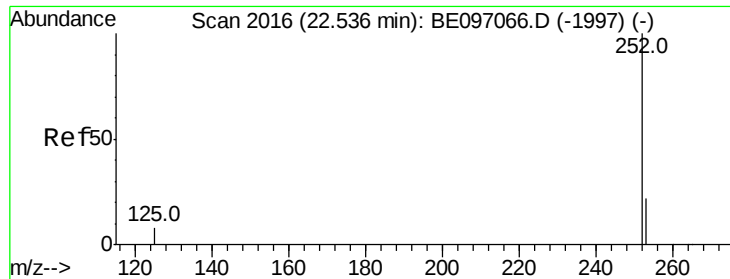
Ion Ratio Lower Upper

264 100

260 26.9 20.5 30.7

265 27.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.087 ng

RT: 22.54 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

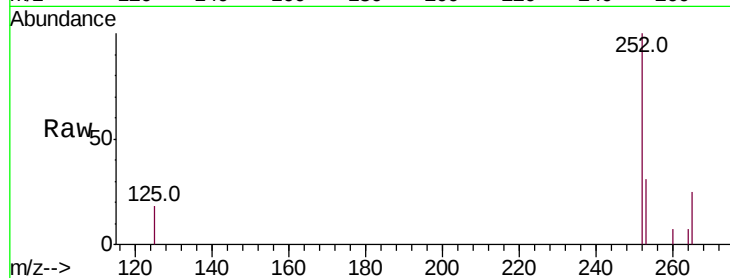
Tot Ion:252 Resp: 1180

Ion Ratio Lower Upper

252 100

253 30.9 20.0 30.0#

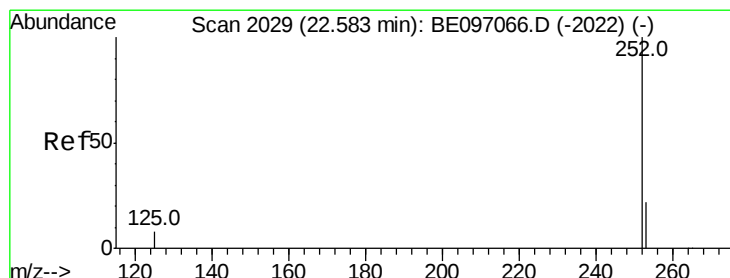
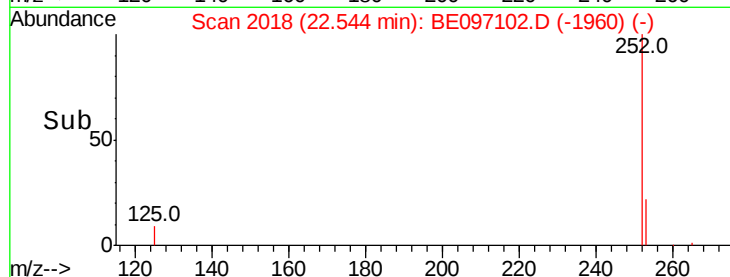
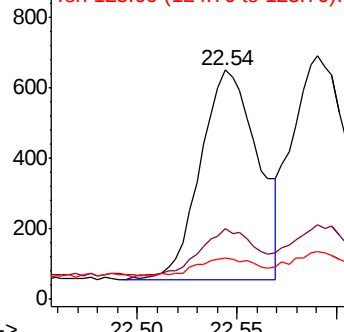
125 18.1 16.0 24.0



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: 0.091 ng

RT: 22.59 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

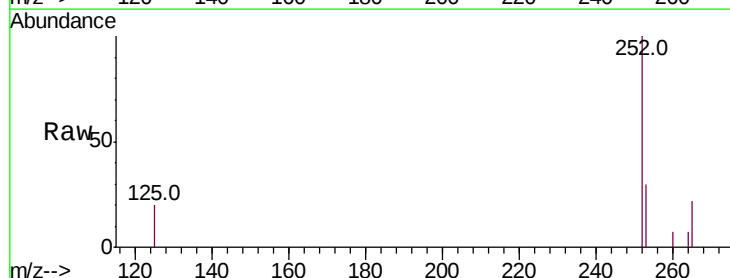
Tgt Ion:252 Resp: 1453

Ion Ratio Lower Upper

252 100

253 30.5 16.0 24.0#

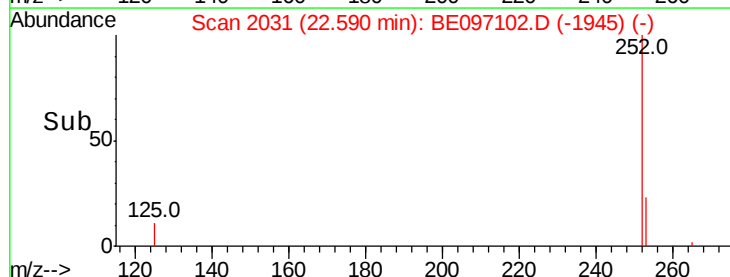
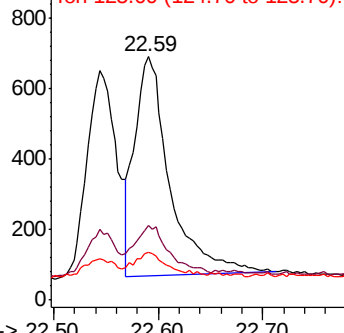
125 19.7 8.0 12.0#



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: 0.079 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

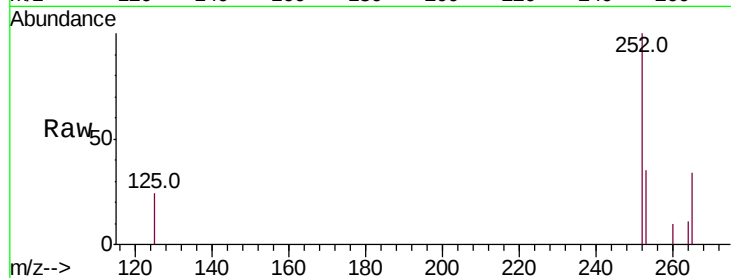
Tot Ion:252 Resp: 1011

Ion Ratio Lower Upper

252 100

253 34.6 16.0 24.0#

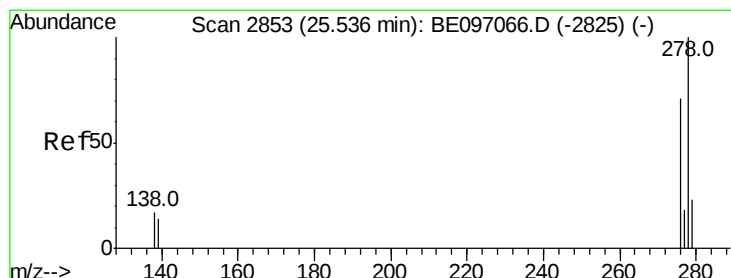
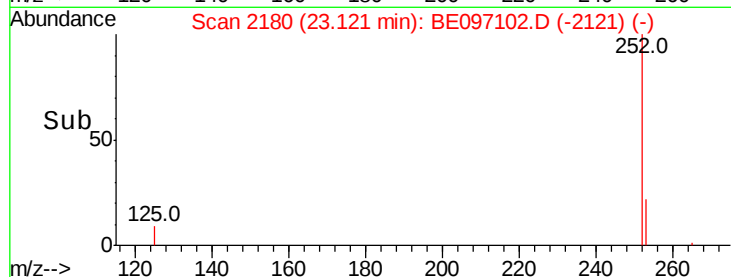
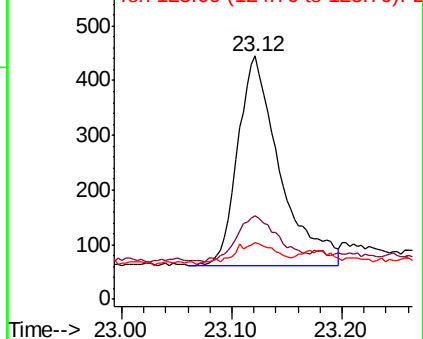
125 23.6 12.0 18.0#



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: 0.051 ng

RT: 25.56 min Scan# 2860

Delta R.T. 0.02 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

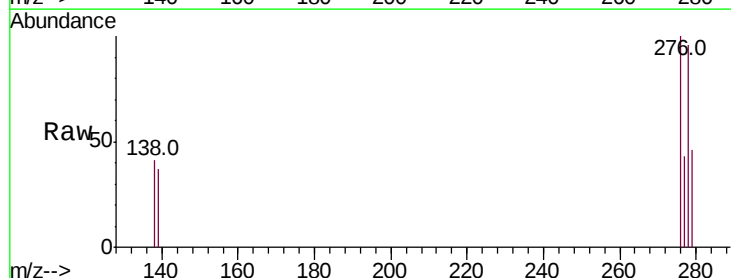
Tgt Ion:278 Resp: 658

Ion Ratio Lower Upper

278 100

139 38.0 16.0 24.0#

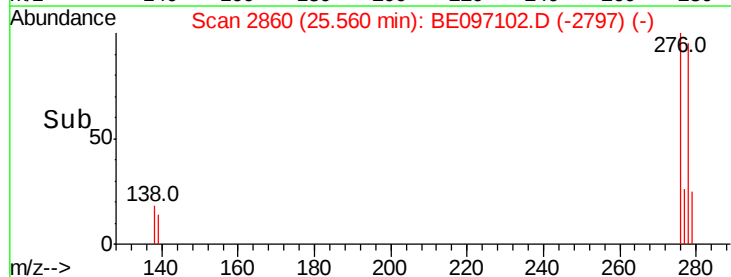
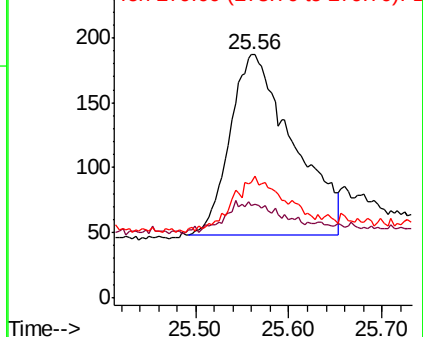
279 47.6 20.0 30.0#

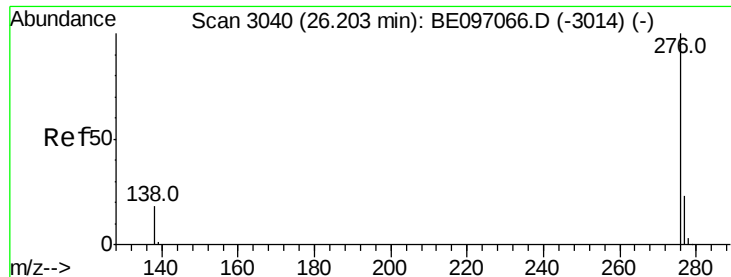


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.065 ng

RT: 26.23 min Scan# 3048

Delta R.T. 0.03 min

Lab File: BE097102.D

Acq: 26 Jul 2018 13:58

Instrument :

BNA_E

ClientSampleId :

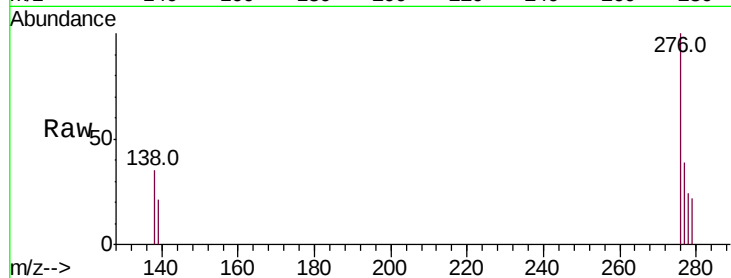
Tot Ion:276 Resp: 878

Ion Ratio Lower Upper

276 100

277 38.6 16.0 24.0#

138 35.2 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

