

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097064.D
 Acq On : 24 Jul 2018 8:51
 Operator : SJ/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 24 11:09:14 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 11:09:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1263	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6321	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4129	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11620	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10270	0.40	ng	0.00
34) Perylene-d12	23.21	264	9465	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	370	0.12	ng	0.00
5) Phenol-d6	6.60	99	515	0.11	ng	0.00
8) Nitrobenzene-d5	8.53	82	557	0.12	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	937	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	121	0.12	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	1411	0.09	ng	0.01
25) Fluoranthene-d10	18.81	212	10590	0.10	ng	0.00
29) Terphenyl-d14	19.43	244	1953	0.10	ng	0.00

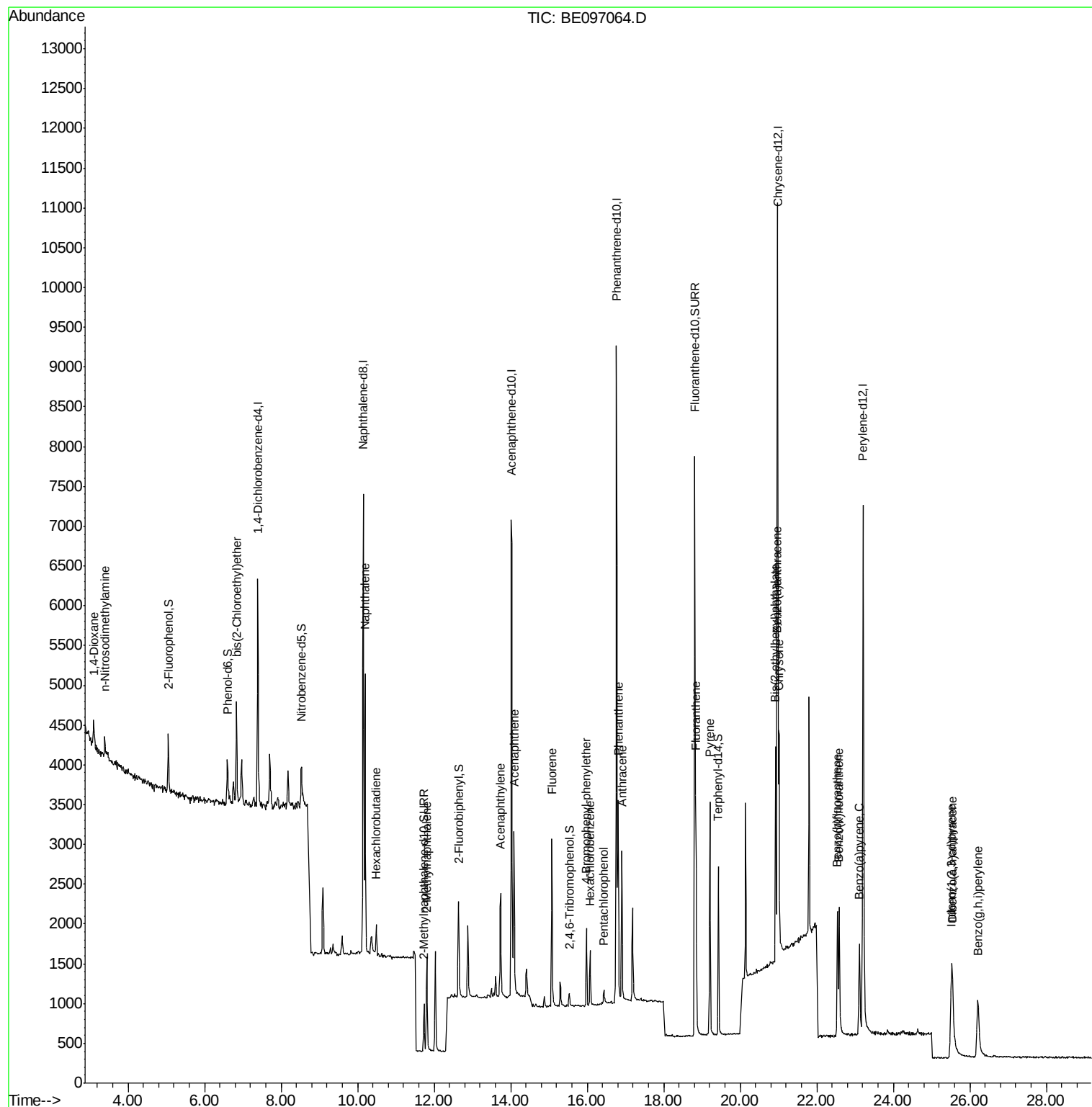
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	233	0.129	ng	98
3) n-Nitrosodimethylamine	3.38	42	195	0.096	ng	# 91
6) bis(2-Chloroethyl)ether	6.84	93	493	0.109	ng	78
9) Naphthalene	10.20	128	5735	0.101	ng	# 97
10) Hexachlorobutadiene	10.48	225	250	0.109	ng	97
12) 2-Methylnaphthalene	11.81	142	941	0.098	ng	97
16) Acenaphthylene	13.74	152	1781	0.094	ng	99
17) Acenaphthene	14.08	154	1019	0.087	ng	# 92
18) Fluorene	15.08	166	1341	0.102	ng	# 78
20) 4-Bromophenyl-phenylether	15.97	248	520	0.095	ng	# 72
21) Hexachlorobenzene	16.08	284	570	0.093	ng	# 84
22) Pentachlorophenol	16.44	266	145	0.145	ng	84
23) Phenanthrene	16.81	178	2678	0.096	ng	97
24) Anthracene	16.91	178	2205	0.091	ng	95
26) Fluoranthene	18.84	202	2743	0.093	ng	98
28) Pyrene	19.21	202	2851	0.094	ng	99
30) Benzo(a)anthracene	20.95	228	2550	0.104	ng	99
31) Chrysene	21.02	228	2625	0.096	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	3649	0.149	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	2385	0.119	ng	# 91
35) Benzo(b)fluoranthene	22.54	252	2189	0.091	ng	# 93
36) Benzo(k)fluoranthene	22.58	252	2436	0.085	ng	# 84
37) Benzo(a)pyrene	23.11	252	2019	0.093	ng	# 84
38) Dibenzo(a,h)anthracene	25.54	278	1870	0.106	ng	# 89
39) Benzo(g,h,i)perylene	26.21	276	2131	0.108	ng	# 88

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

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Instrument :
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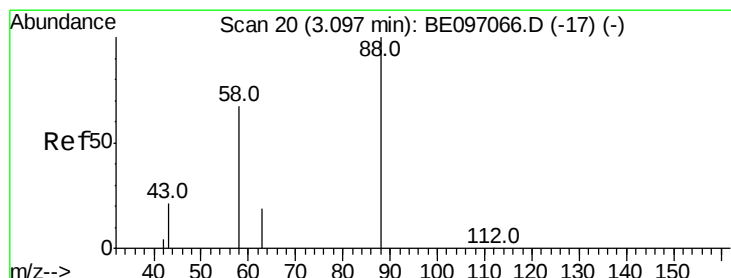
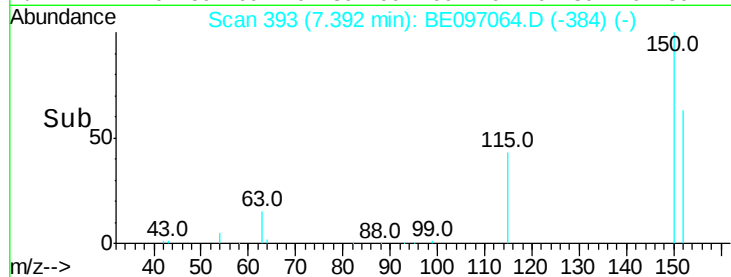
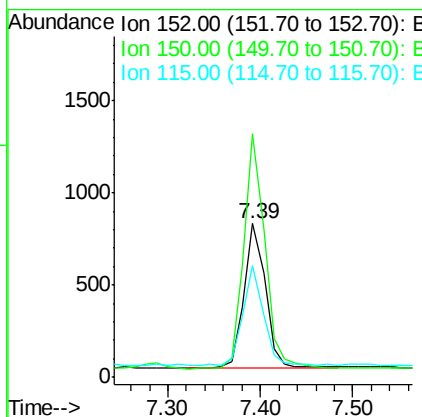
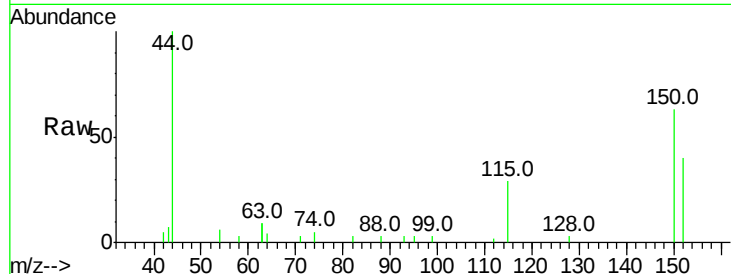




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: BE097064.D
 Acq: 24 Jul 2018 8:51

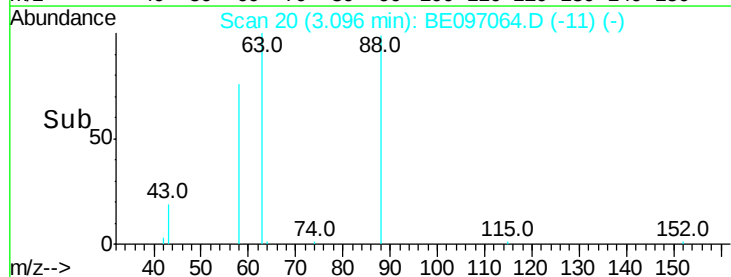
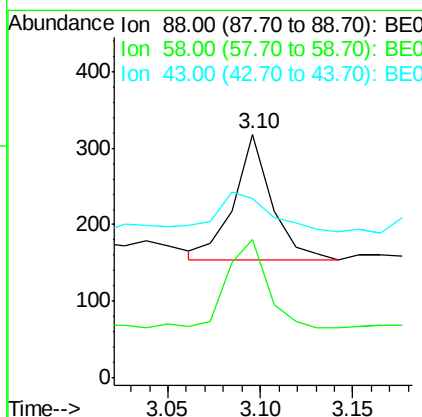
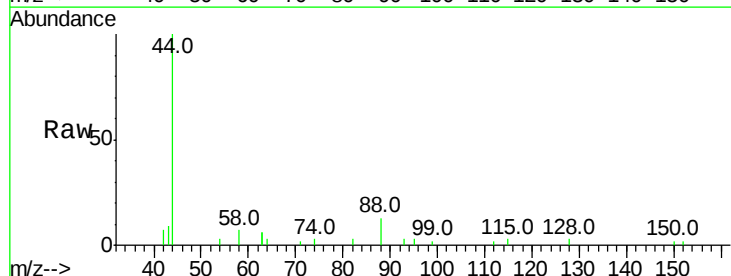
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1263
 Ion Ratio Lower Upper
 152 100
 150 158.2 117.2 175.8
 115 72.3 57.0 85.6



#2
 1,4-Dioxane
 Concen: 0.129 ng
 RT: 3.10 min Scan# 20
 Delta R.T. -0.00 min
 Lab File: BE097064.D
 Acq: 24 Jul 2018 8:51

Tgt Ion: 88 Resp: 233
 Ion Ratio Lower Upper
 88 100
 58 75.5 63.2 94.8
 43 51.5 41.2 61.8



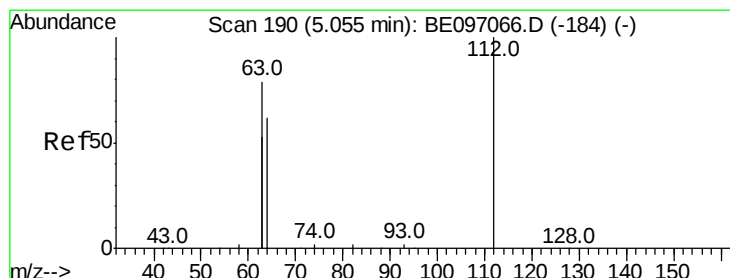
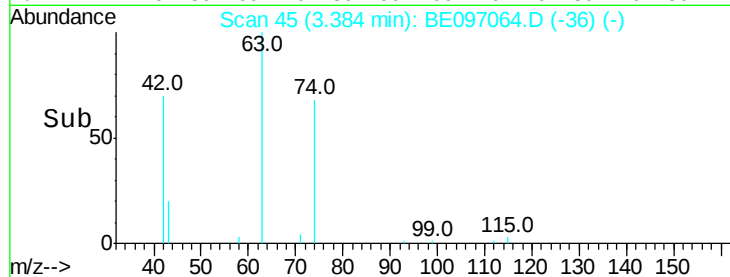
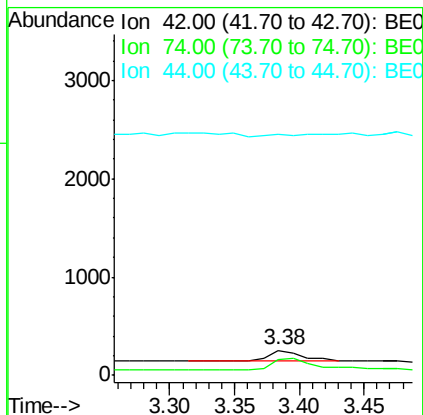
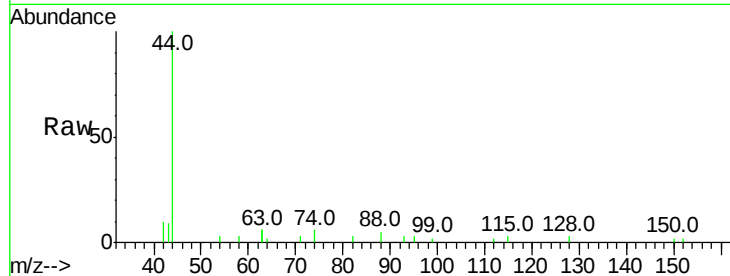


#3

n-Nitrosodimethylamine
 Concen: 0.096 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097064.D
 Acq: 24 Jul 2018 8:51

Instrument :
 BNA_E
 ClientSampled :

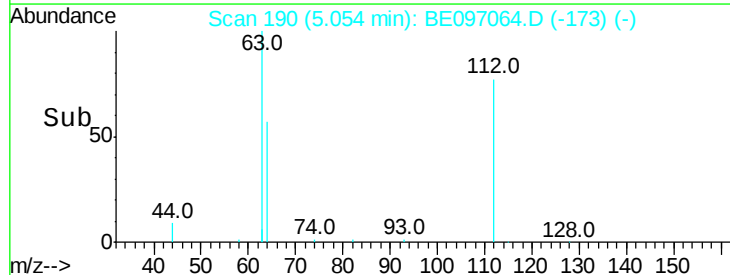
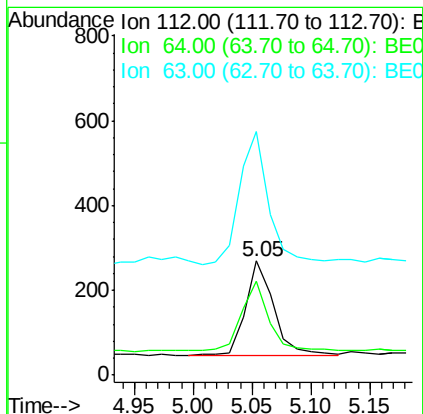
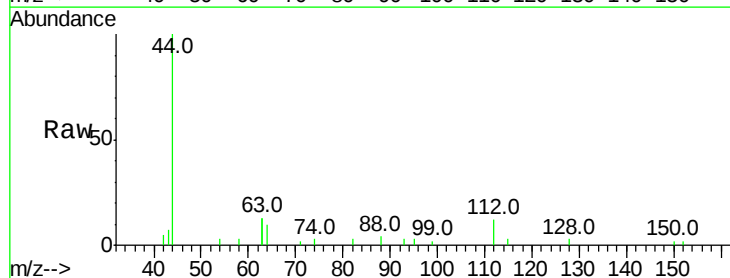
Tot Ion: 42 Resp: 195
 Ion Ratio Lower Upper
 42 100
 74 130.3 96.0 144.0
 44 18.5 12.0 18.0#

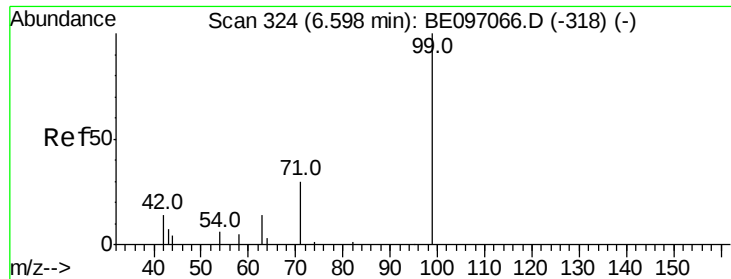


#4

2-Fluorophenol
 Concen: 0.122 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097064.D
 Acq: 24 Jul 2018 8:51

Tgt Ion: 112 Resp: 370
 Ion Ratio Lower Upper
 112 100
 64 77.8 60.1 90.1
 63 149.5 116.8 175.2





#5

Phenol-d6

Concen: 0.112 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampled :

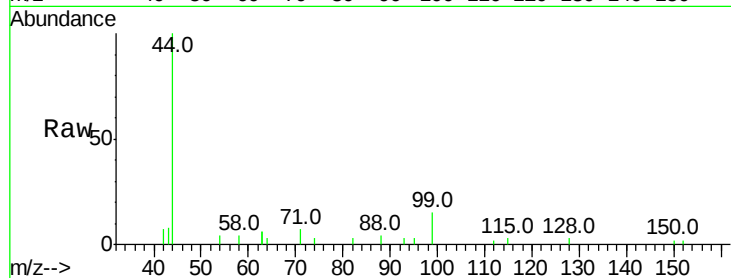
Tot Ion: 99 Resp: 515

Ion Ratio Lower Upper

99 100

42 28.3 20.2 30.2

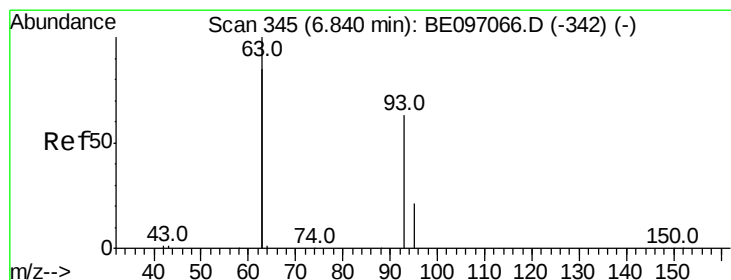
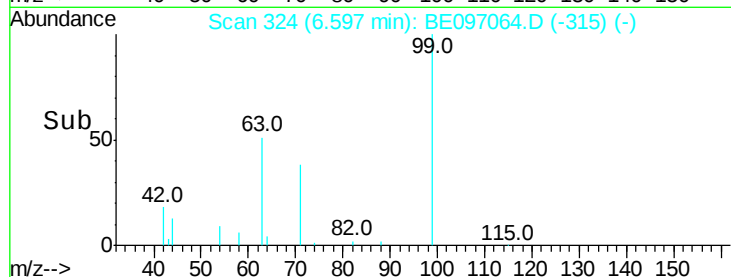
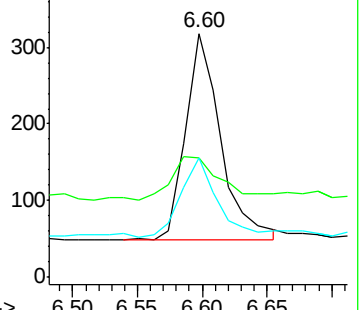
71 38.8 28.4 42.6



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: 0.109 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

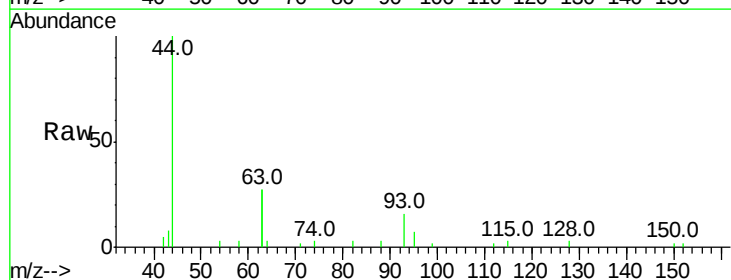
Tgt Ion: 93 Resp: 493

Ion Ratio Lower Upper

93 100

63 292.7 275.3 412.9

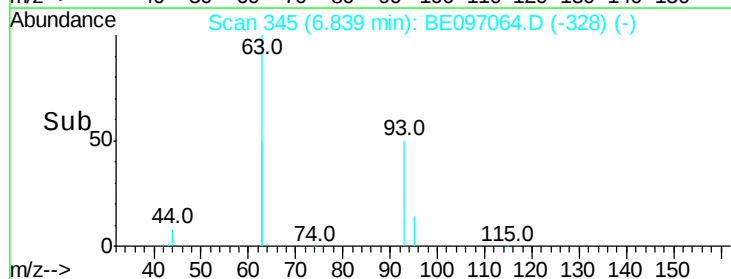
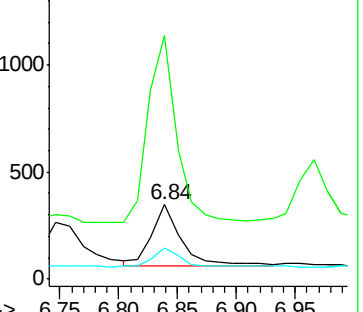
95 33.3 25.2 37.8

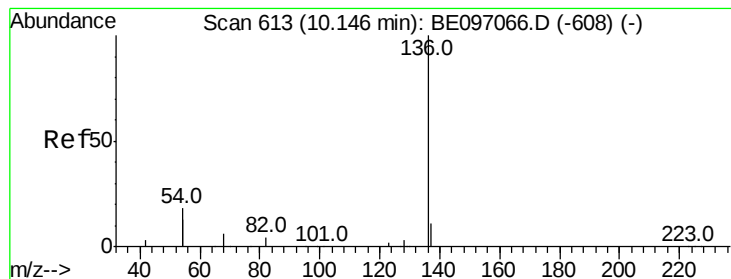


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6321

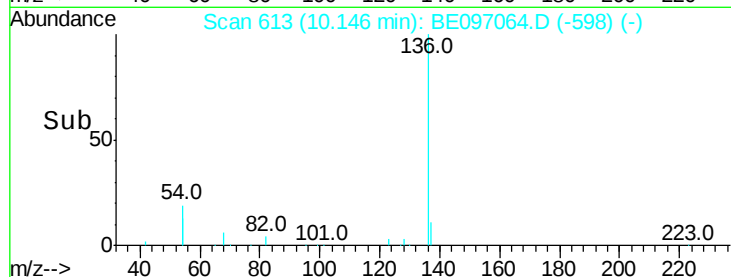
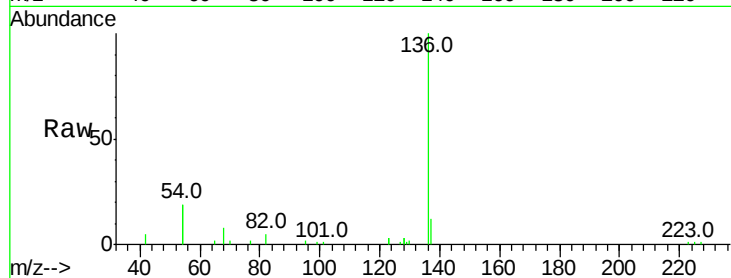
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 38.1 29.1 43.7

68 7.8 6.2 9.2

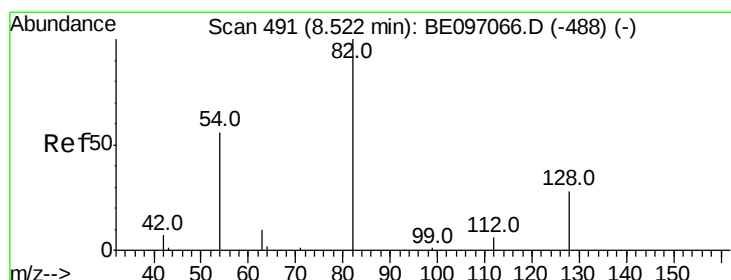
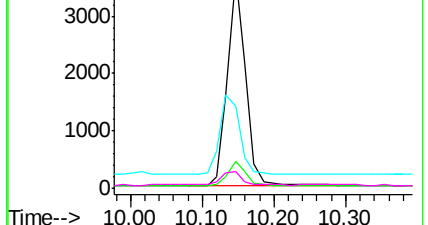


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.121 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

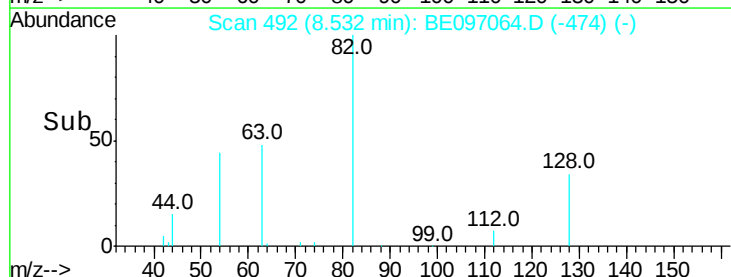
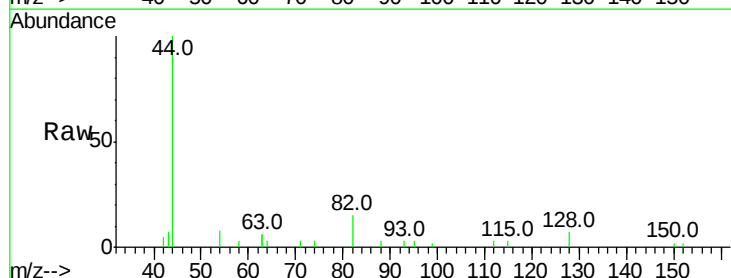
Tgt Ion: 82 Resp: 557

Ion Ratio Lower Upper

82 100

128 47.5 24.0 36.0#

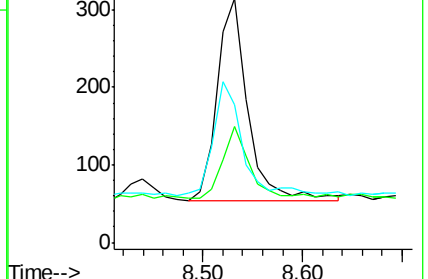
54 56.4 40.0 60.0



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: 0.101 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

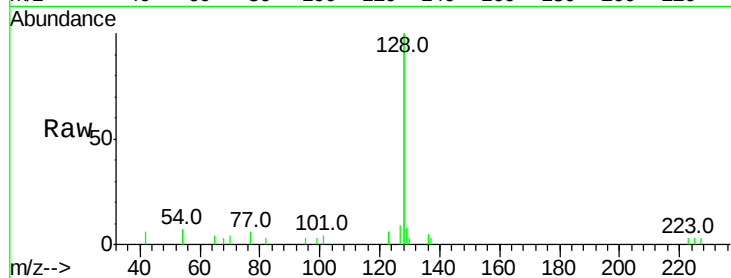
Tot Ion:128 Resp: 5735

Ion Ratio Lower Upper

128 100

129 4.2 2.6 3.8#

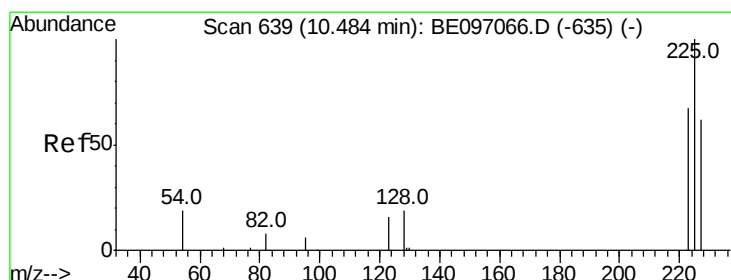
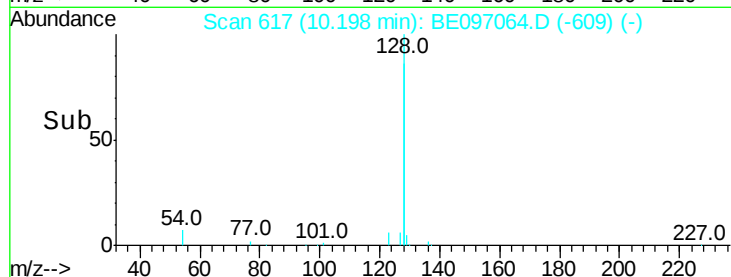
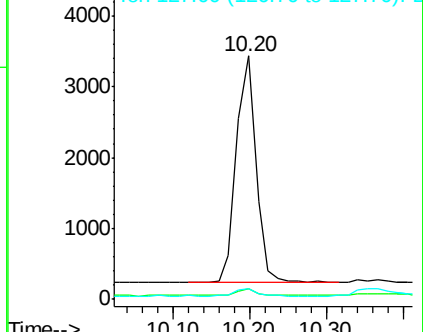
127 4.4 2.8 4.2#



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: 0.109 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

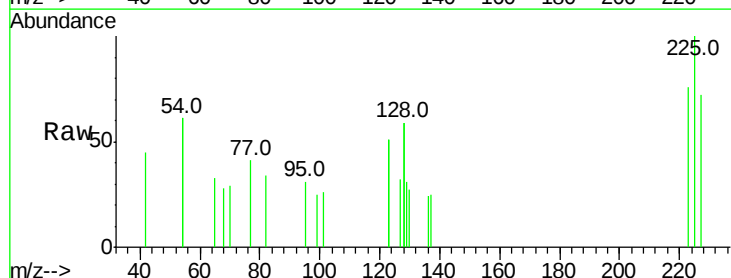
Tgt Ion:225 Resp: 250

Ion Ratio Lower Upper

225 100

223 64.4 53.0 79.6

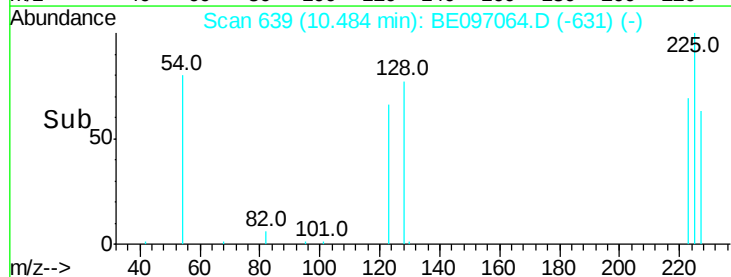
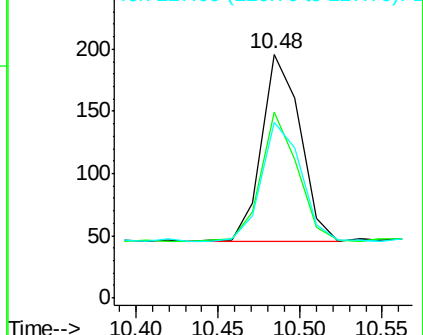
227 66.4 51.4 77.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.102 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.01 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

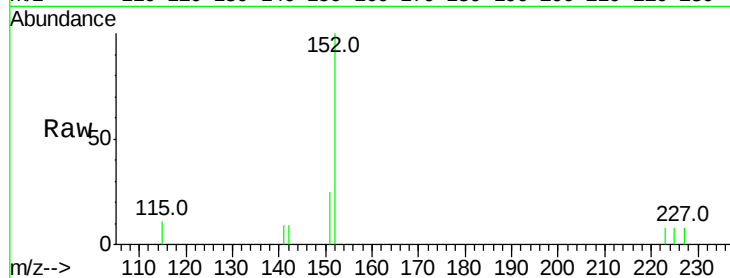
ClientSampleId :

Tot Ion:152 Resp: 937

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

600

500

400

300

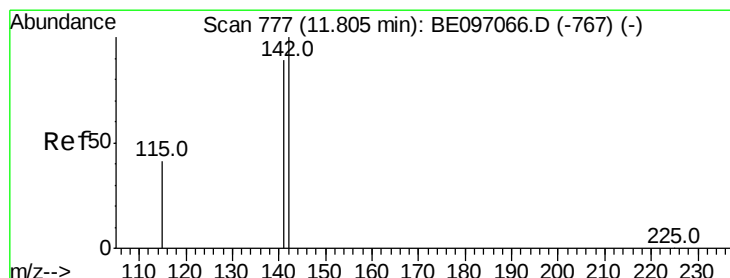
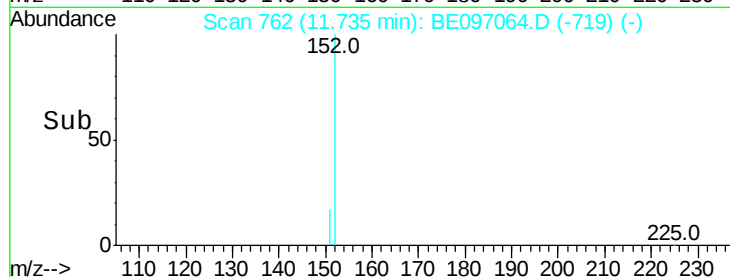
200

100

0

11.70 11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.098 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.01 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

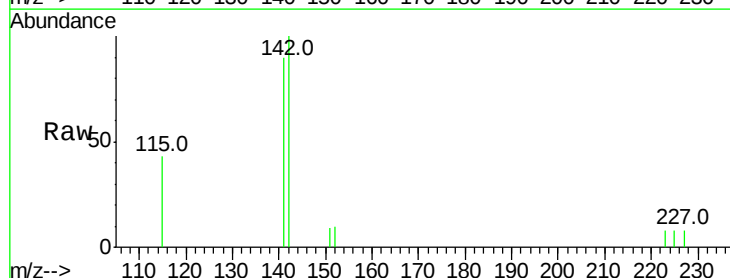
Tgt Ion:142 Resp: 941

Ion Ratio Lower Upper

142 100

141 89.8 70.4 105.6

115 42.7 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

11.81

600

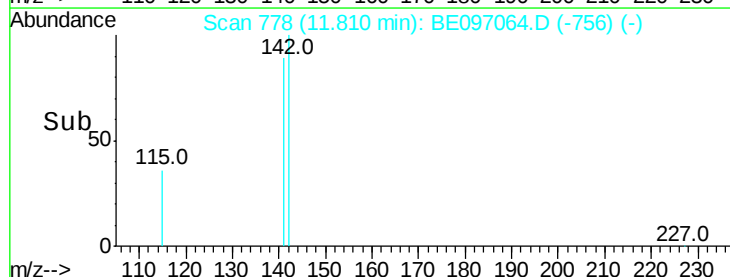
400

200

0

11.75 11.80 11.85

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

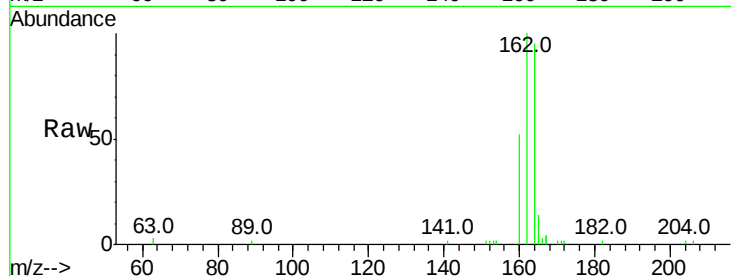
Tot Ion:164 Resp: 4129

Ion Ratio Lower Upper

164 100

162 105.1 83.1 124.7

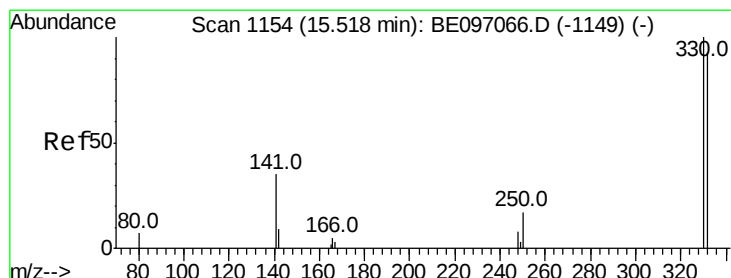
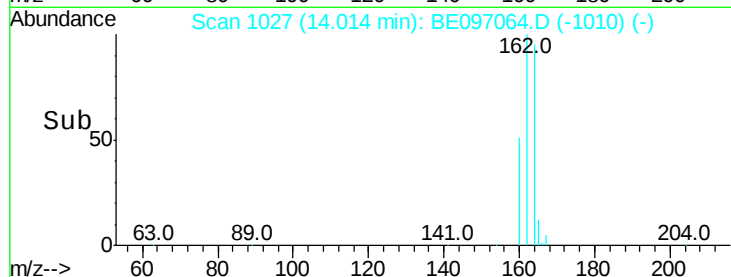
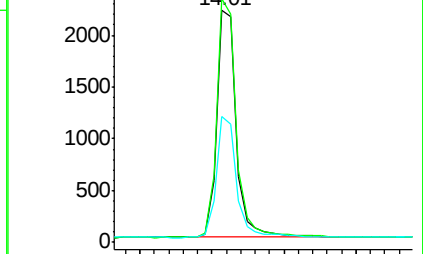
160 54.3 37.1 55.7



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: 0.116 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

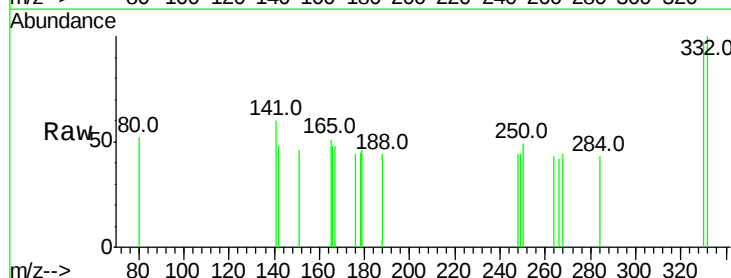
Tgt Ion:330 Resp: 121

Ion Ratio Lower Upper

330 100

332 96.7 152.7 229.1#

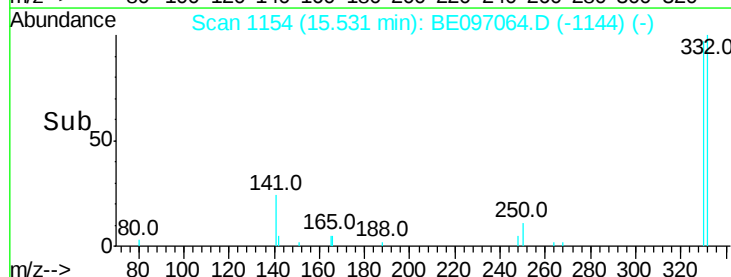
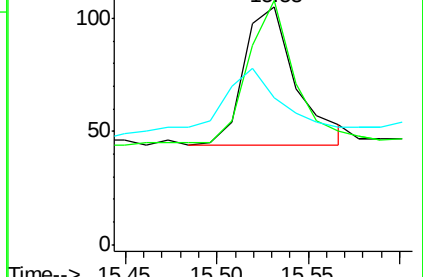
141 55.4 33.7 50.5#

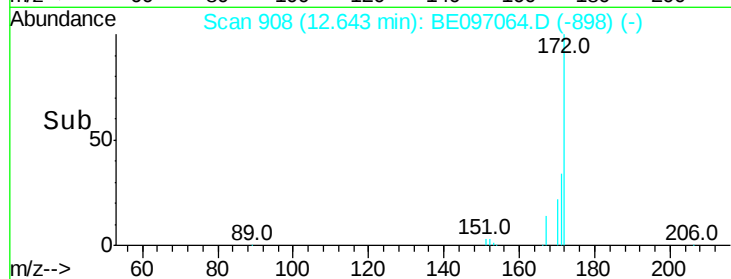
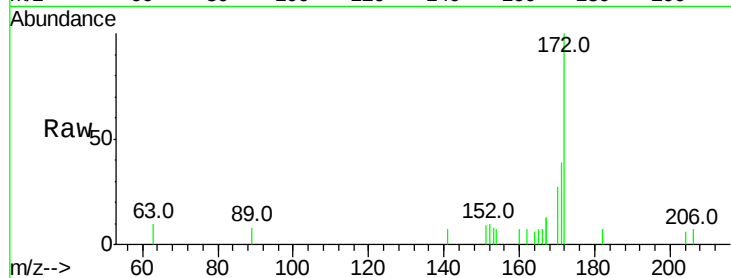
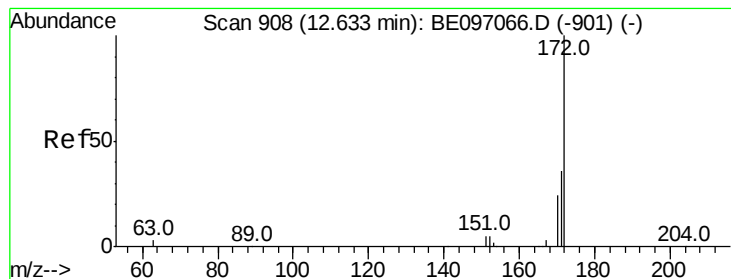


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.092 ng

RT: 12.64 min Scan# 908

Delta R.T. 0.01 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

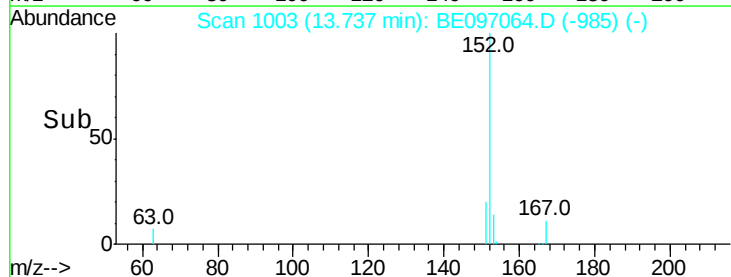
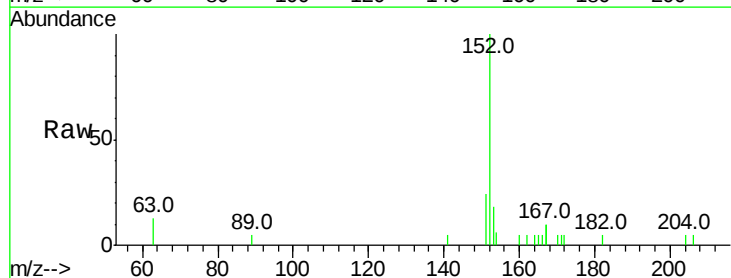
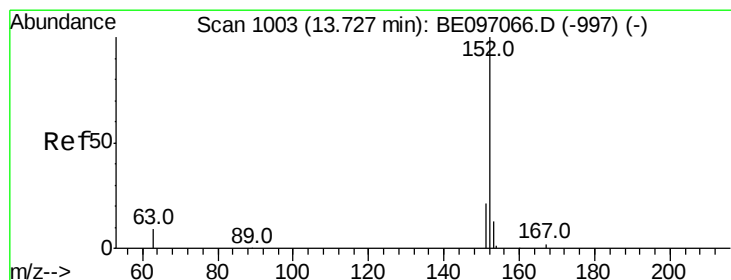
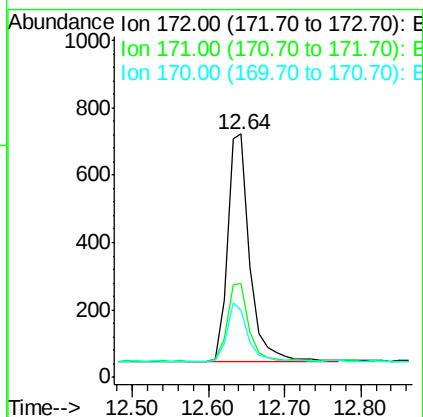
Instrument :

BNA_E

ClientSampleId :

Tot Ion:172 Resp: 1411

Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.9	44.9
170	27.2	21.8	32.8



#16

Acenaphthylene

Concen: 0.094 ng

RT: 13.74 min Scan# 1003

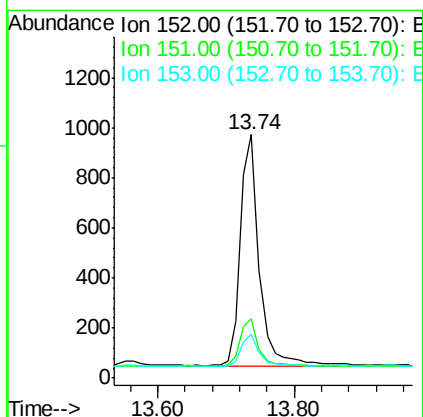
Delta R.T. 0.01 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Tgt Ion:152 Resp: 1781

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	13.3	10.5	15.7





#17

Acenaphthene

Concen: 0.087 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

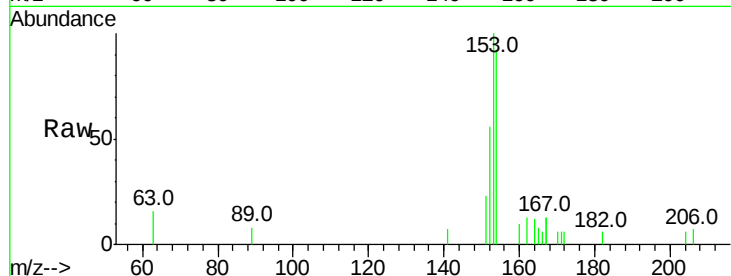
Tot Ion:154 Resp: 1019

Ion Ratio Lower Upper

154 100

153 116.3 89.2 133.8

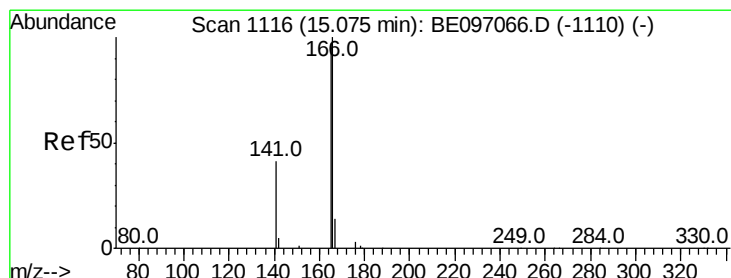
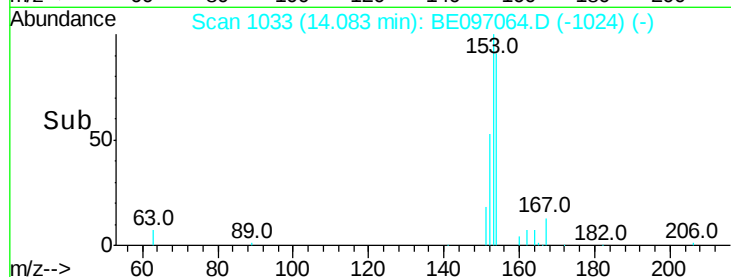
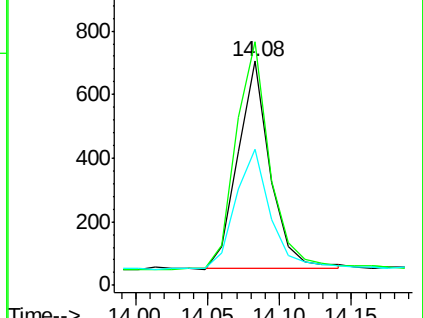
152 63.0 42.0 63.0#



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: 0.102 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

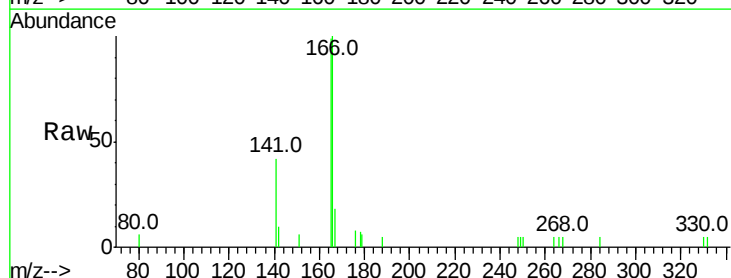
Tgt Ion:166 Resp: 1341

Ion Ratio Lower Upper

166 100

165 100.7 77.8 116.6

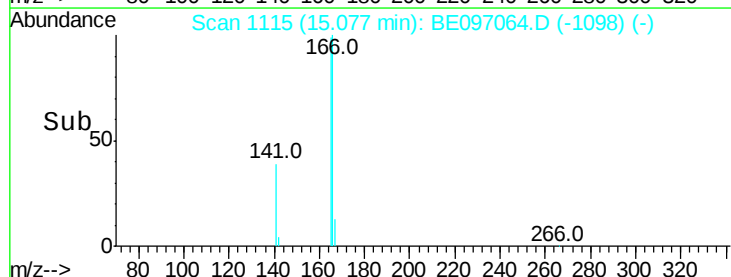
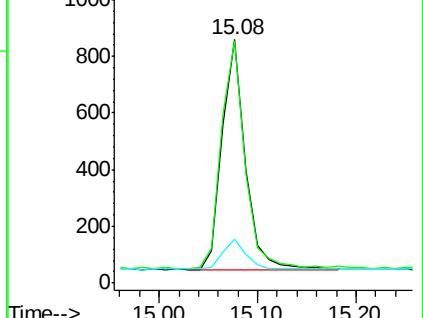
167 13.4 42.4 63.6#



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: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

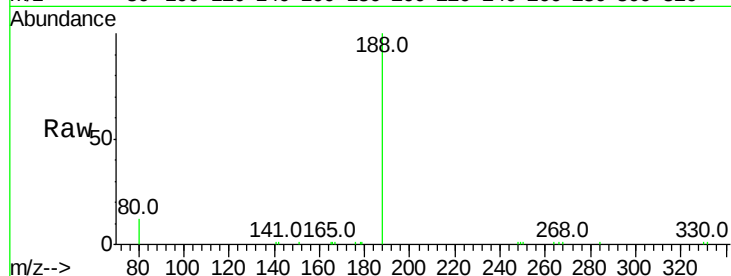
Tot Ion:188 Resp: 11620

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

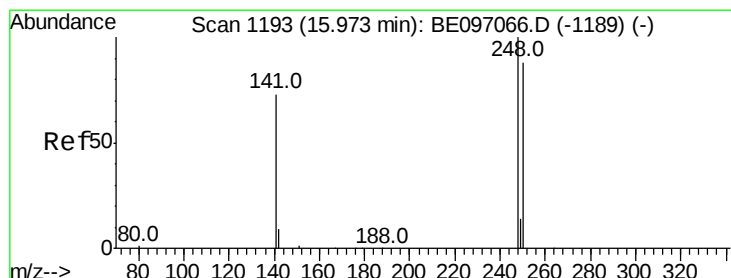
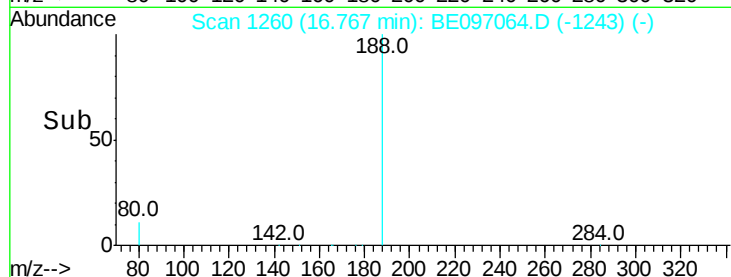
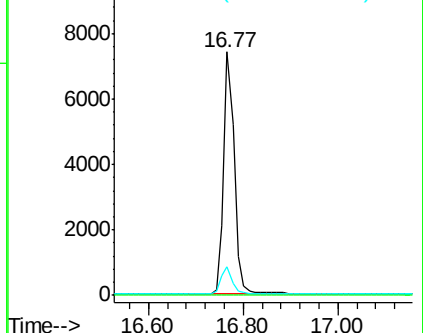
80 11.9 3.6 5.4#



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: 0.095 ng

RT: 15.97 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

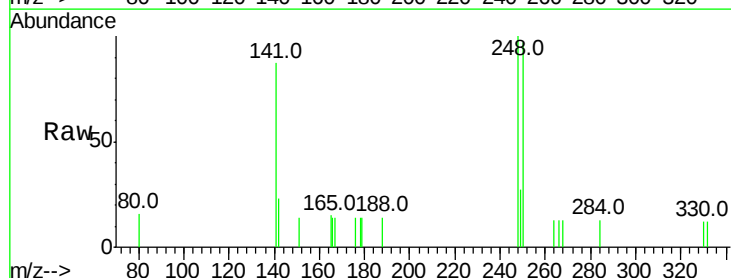
Tgt Ion:248 Resp: 520

Ion Ratio Lower Upper

248 100

250 96.9 62.7 94.1#

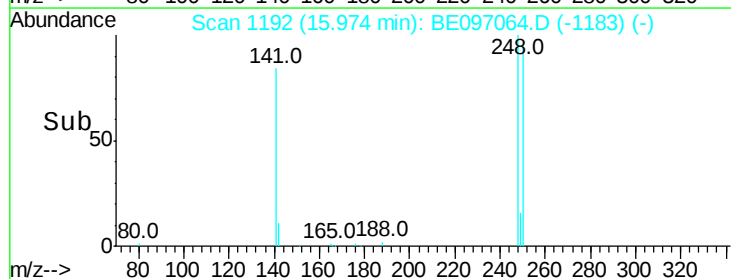
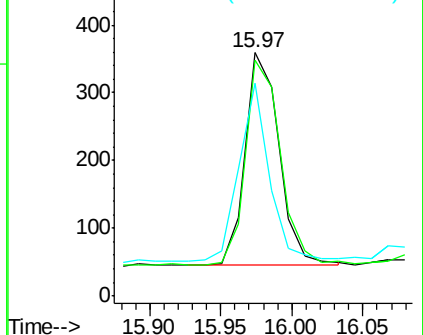
141 87.5 48.2 72.2#



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: 0.093 ng

RT: 16.08 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampled :

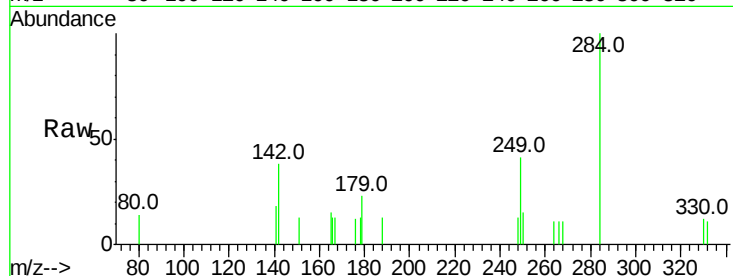
Tot Ion:284 Resp: 570

Ion Ratio Lower Upper

284 100

142 35.1 22.1 33.1#

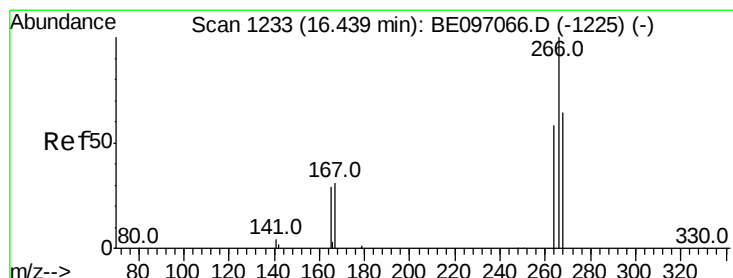
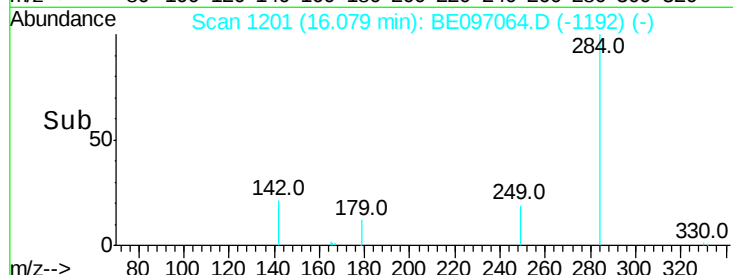
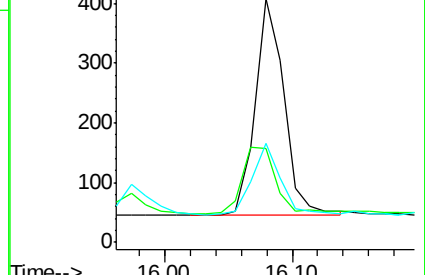
249 32.3 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.145 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

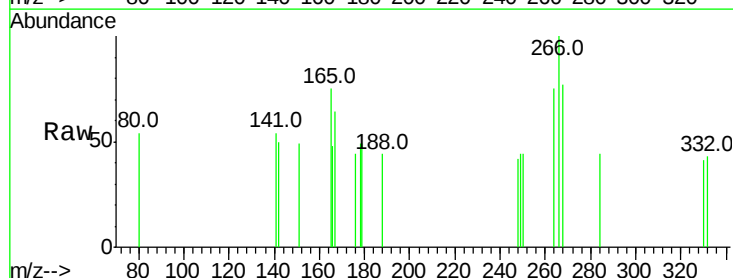
Tgt Ion:266 Resp: 145

Ion Ratio Lower Upper

266 100

264 75.0 72.5 108.7

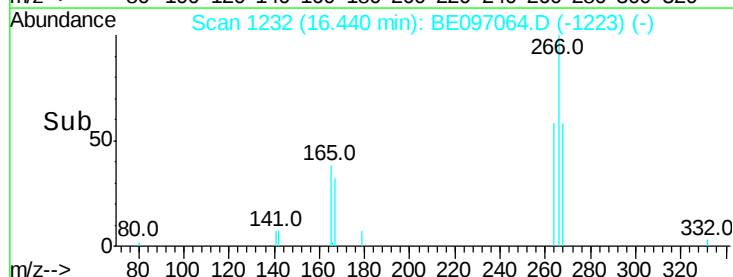
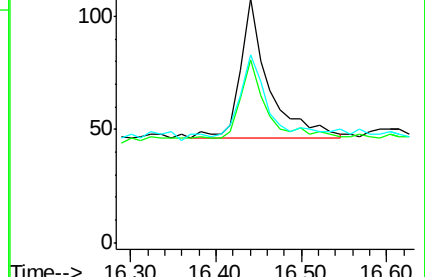
268 76.9 73.8 110.6



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: 0.096 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

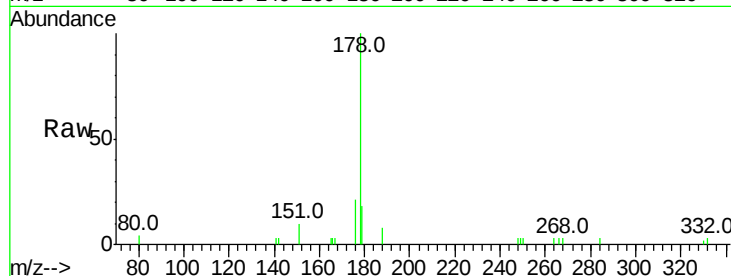
Tot Ion:178 Resp: 2678

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

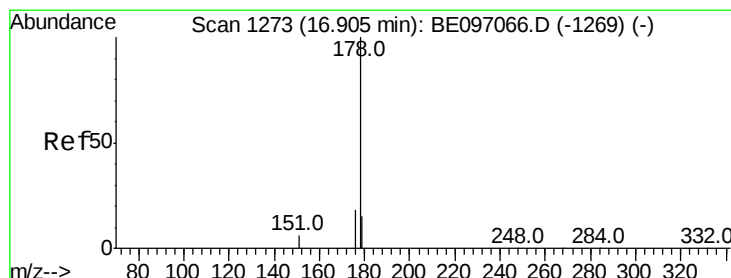
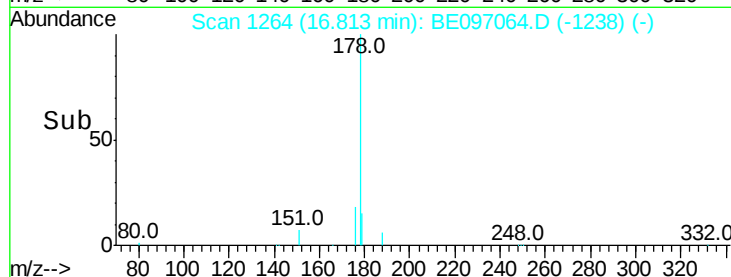
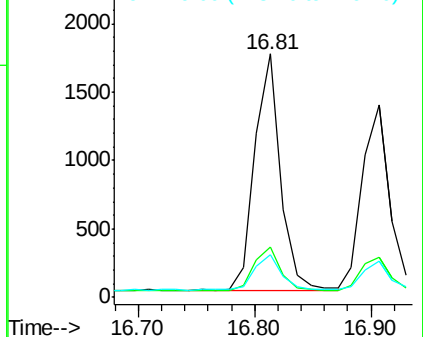
179 17.0 11.8 17.6



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: 0.091 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

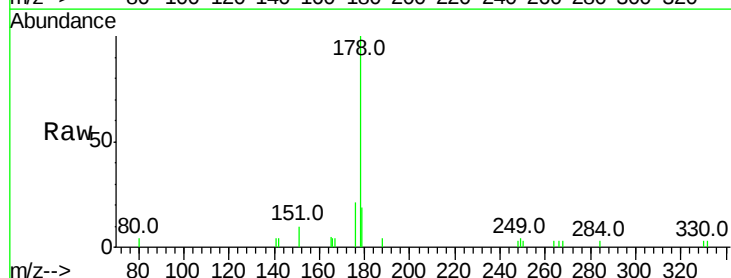
Tgt Ion:178 Resp: 2205

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

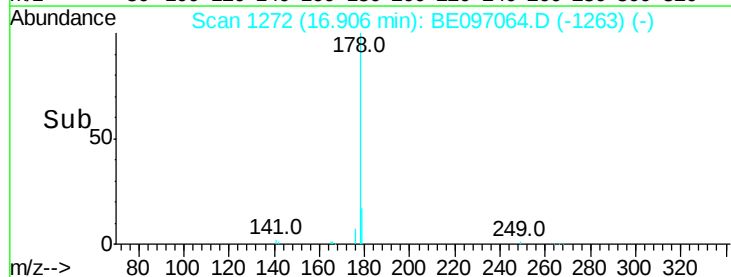
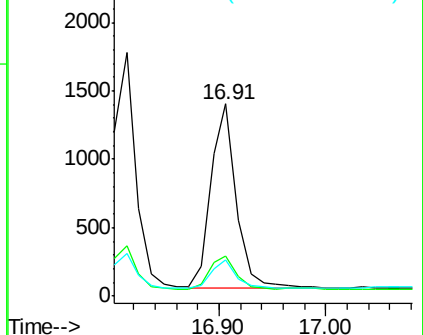
179 14.8 13.0 19.6



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: 0.105 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

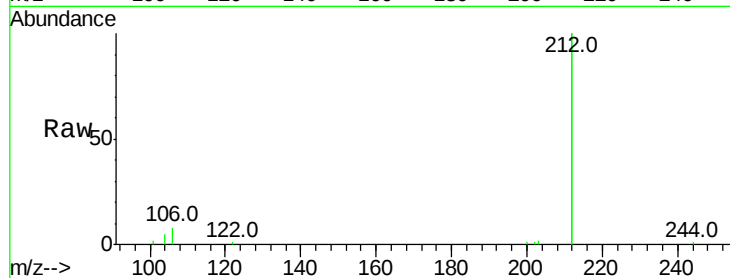
Tot Ion:212 Resp: 10590

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

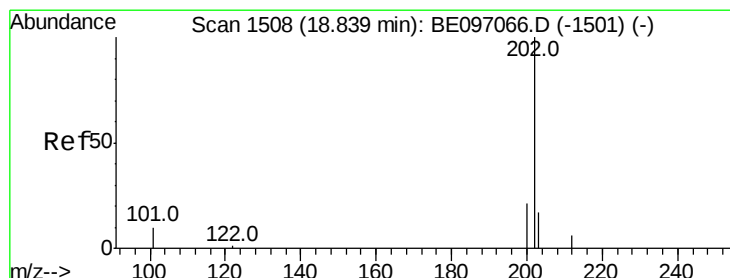
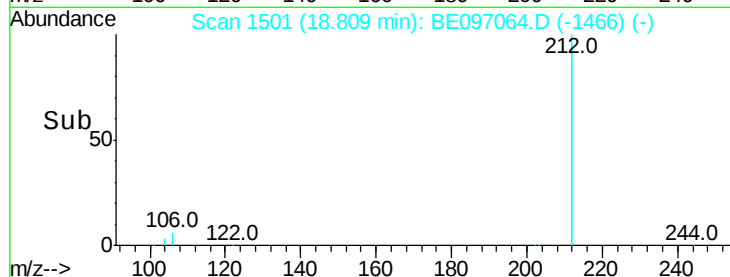
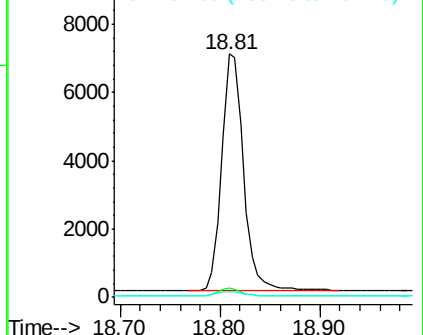
104 1.7 1.6 2.4



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: 0.093 ng

RT: 18.84 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

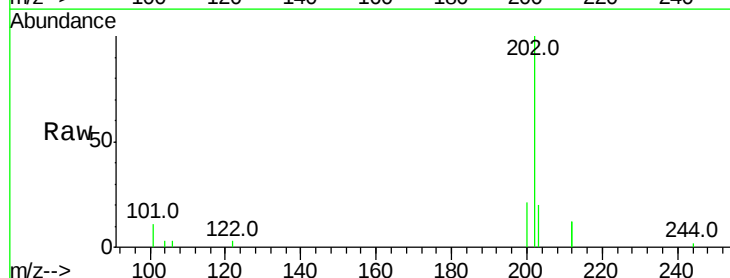
Tgt Ion:202 Resp: 2743

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

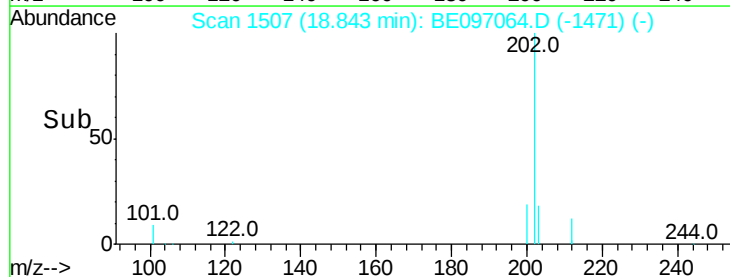
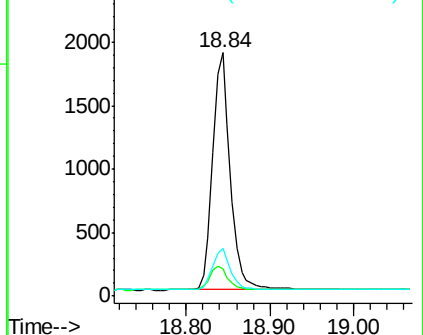
203 17.2 13.7 20.5



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# 1786

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

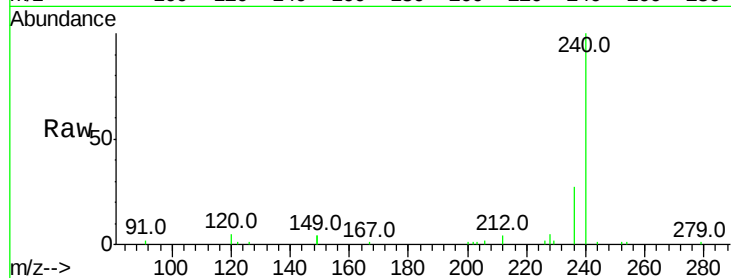
Tot Ion:240 Resp: 10270

Ion Ratio Lower Upper

240 100

120 5.1 5.5 8.3#

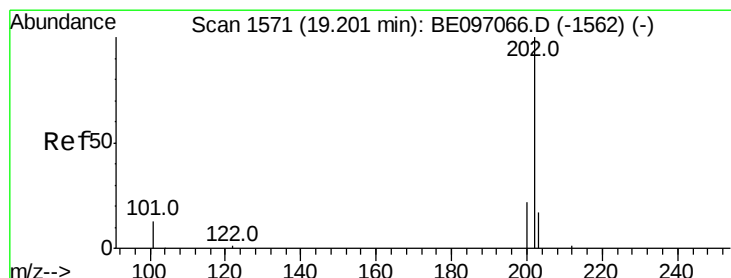
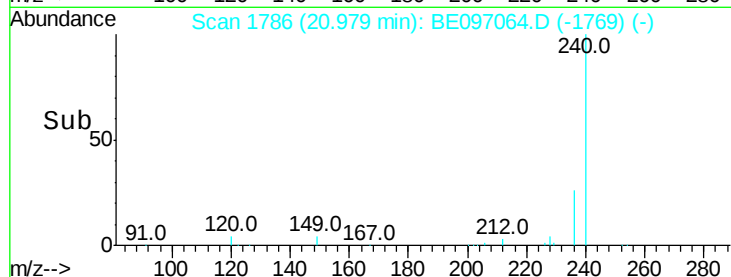
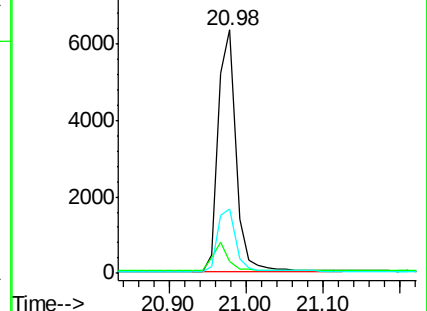
236 26.6 20.7 31.1



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: 0.094 ng

RT: 19.21 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

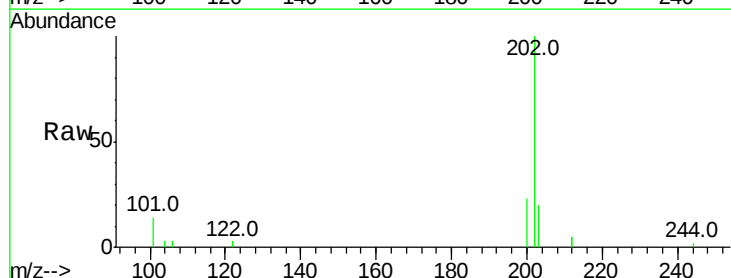
Tgt Ion:202 Resp: 2851

Ion Ratio Lower Upper

202 100

200 21.6 16.6 25.0

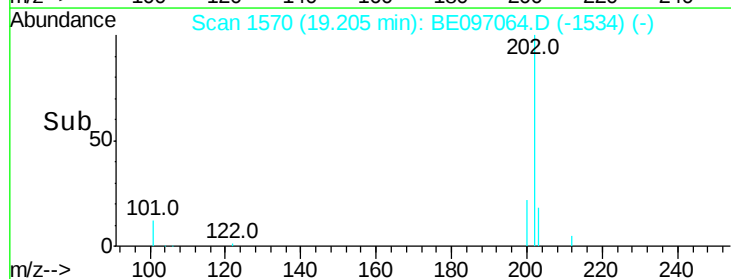
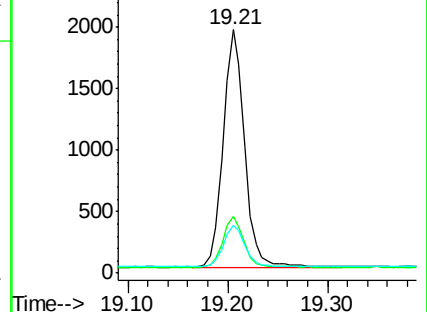
203 17.4 13.8 20.8



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: 0.099 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

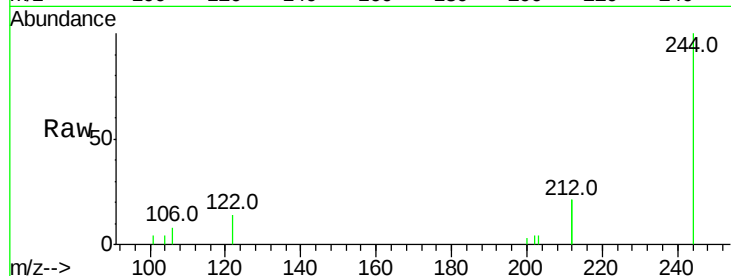
Tot Ion:244 Resp: 1953

Ion Ratio Lower Upper

244 100

212 42.6 25.4 38.0#

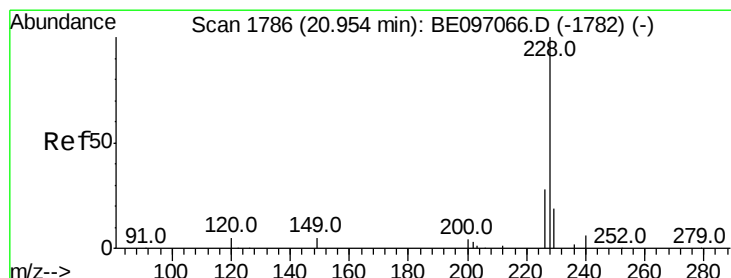
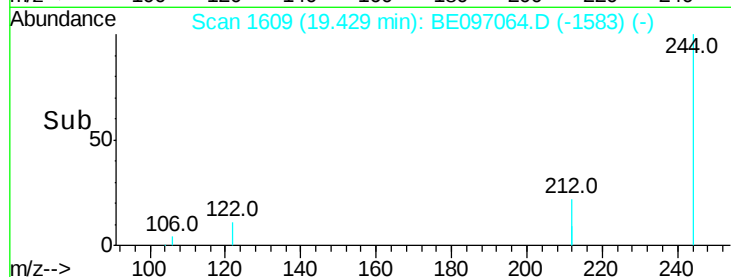
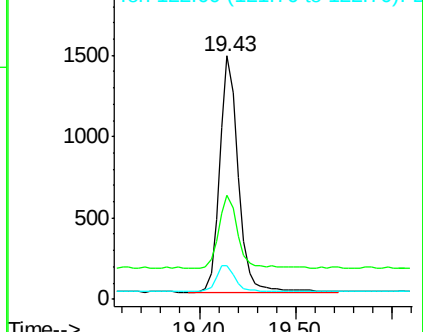
122 13.6 8.1 12.1#



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: 0.104 ng

RT: 20.95 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

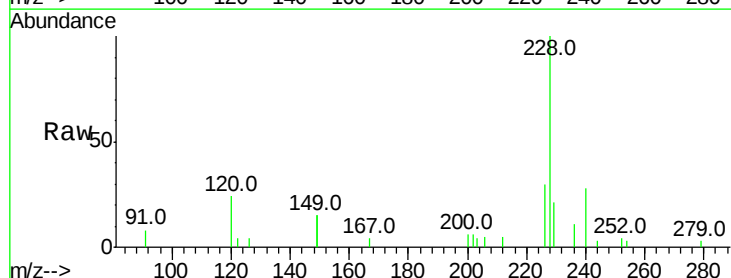
Tgt Ion:228 Resp: 2550

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

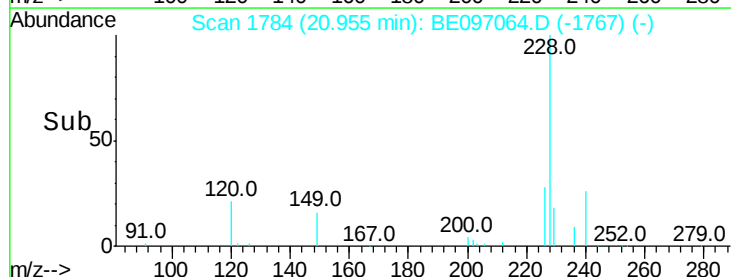
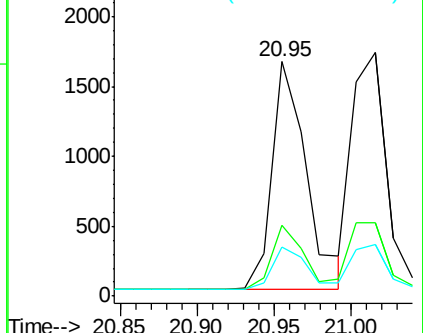
229 20.7 16.0 24.0



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: 0.096 ng

RT: 21.02 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

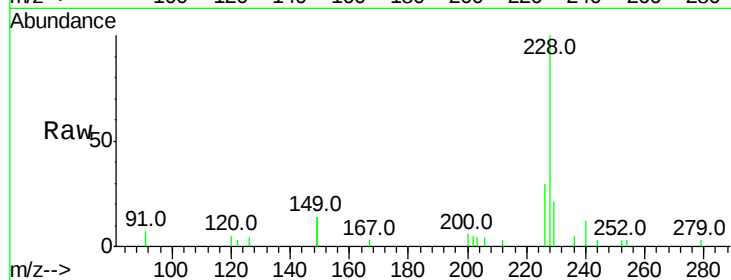
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 2625

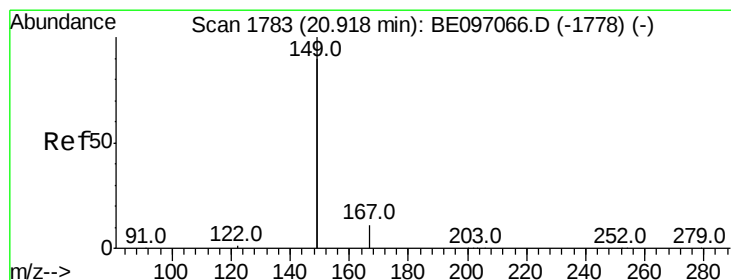
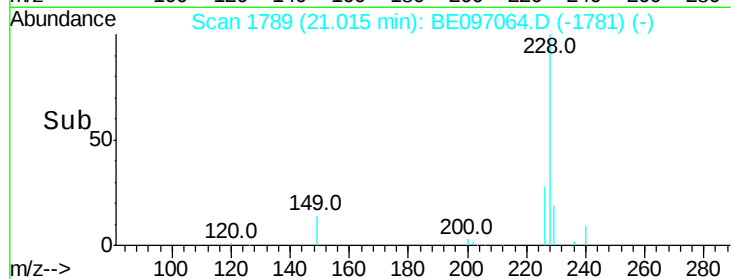
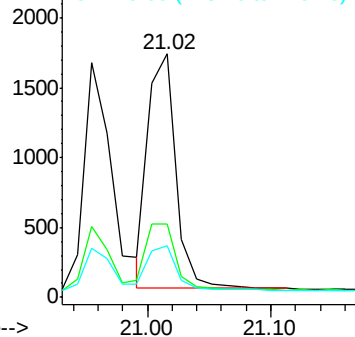
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	21.1	16.0	24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.149 ng

RT: 20.92 min Scan# 1781

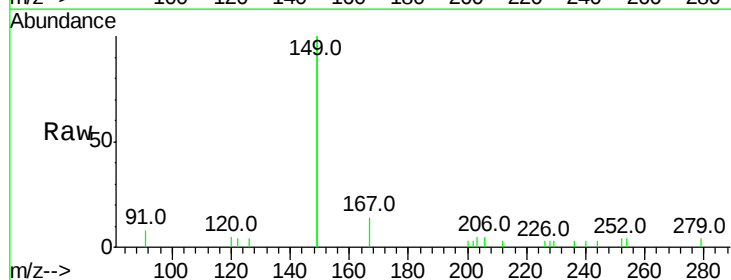
Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Tgt Ion:149 Resp: 3649

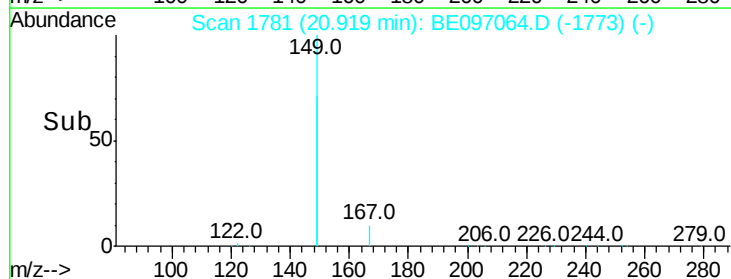
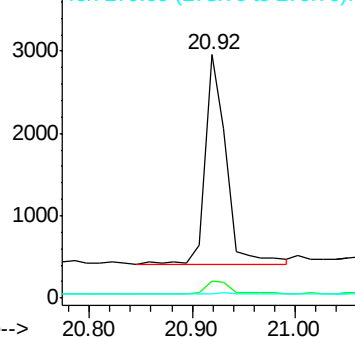
Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.3	0.7	1.1#



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: 0.119 ng

RT: 25.51 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

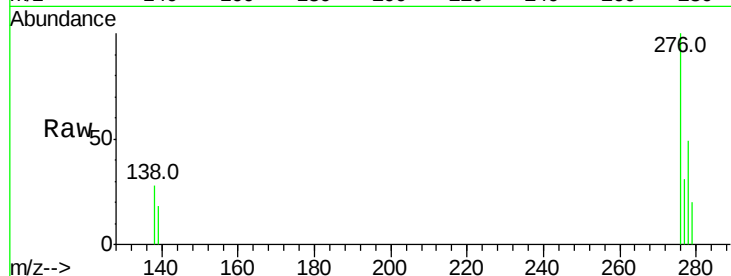
Tot Ion:276 Resp: 2385

Ion Ratio Lower Upper

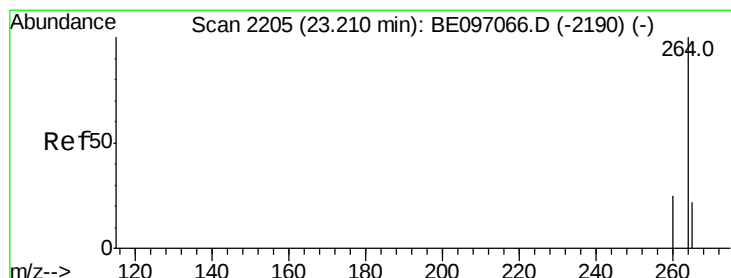
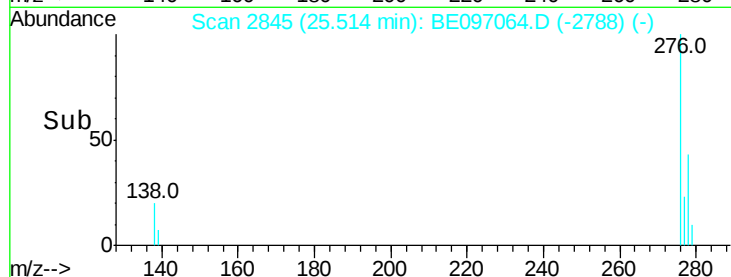
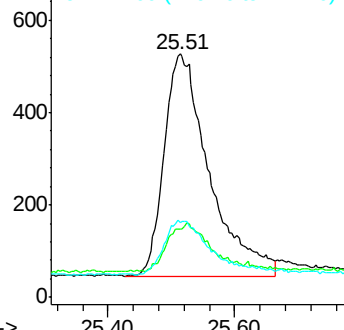
276 100

138 19.9 22.5 33.7#

277 24.5 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

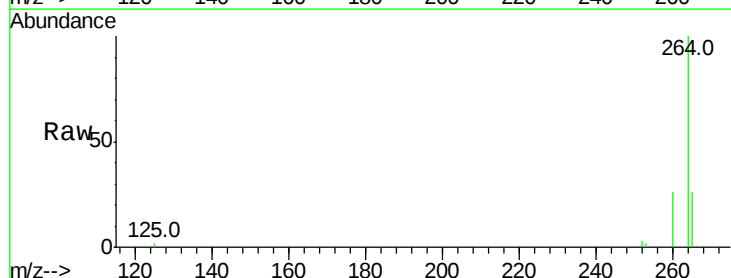
Tgt Ion:264 Resp: 9465

Ion Ratio Lower Upper

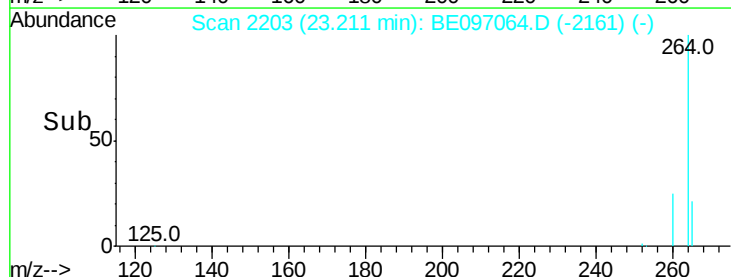
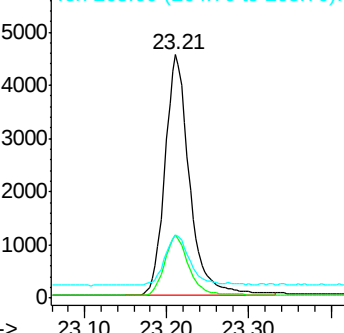
264 100

260 25.8 20.5 30.7

265 25.7 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

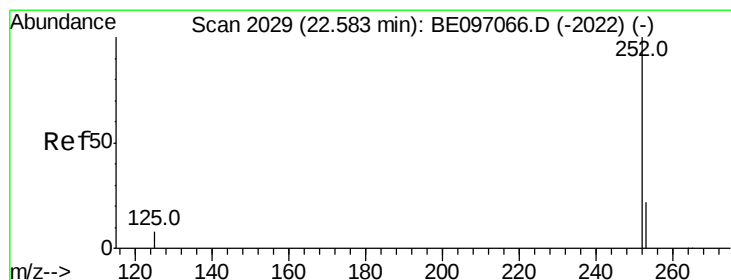
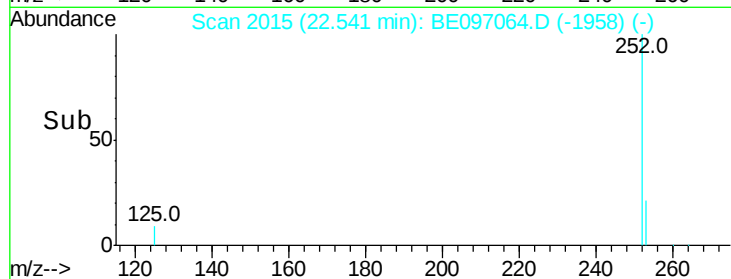
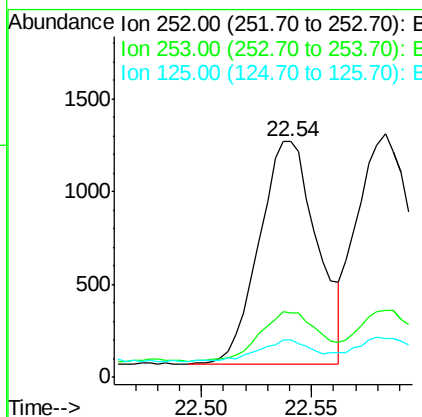
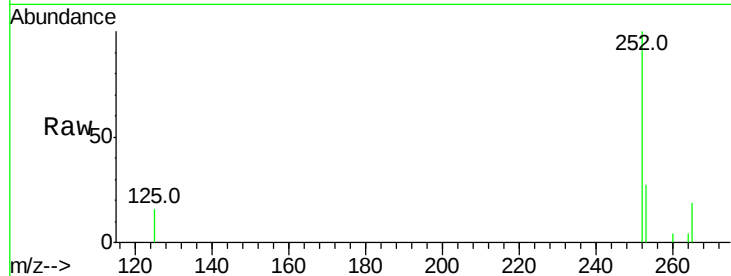




#35
Benzo(b)fluoranthene
Concen: 0.091 ng
RT: 22.54 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BE097064.D
Acq: 24 Jul 2018 8:51

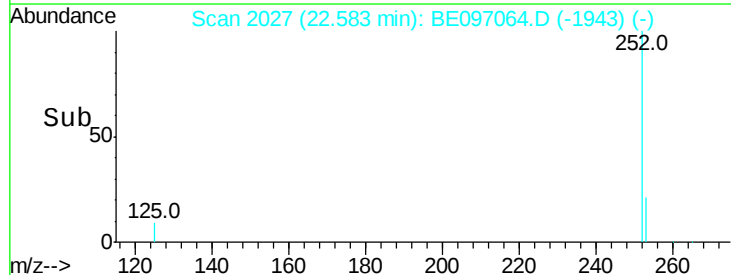
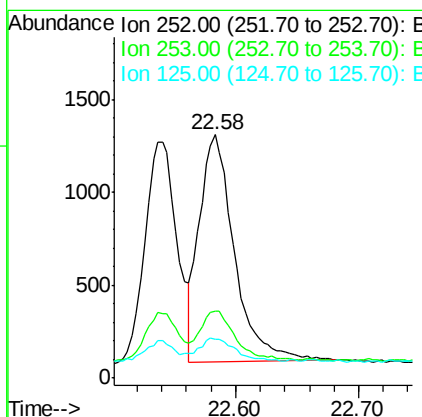
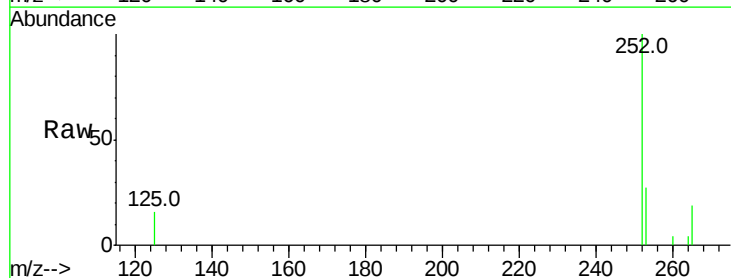
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 2189
Ion Ratio Lower Upper
252 100
253 27.4 20.0 30.0
125 15.7 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.085 ng
RT: 22.58 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE097064.D
Acq: 24 Jul 2018 8:51

Tgt Ion:252 Resp: 2436
Ion Ratio Lower Upper
252 100
253 27.3 16.0 24.0#
125 15.8 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.093 ng

RT: 23.11 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :

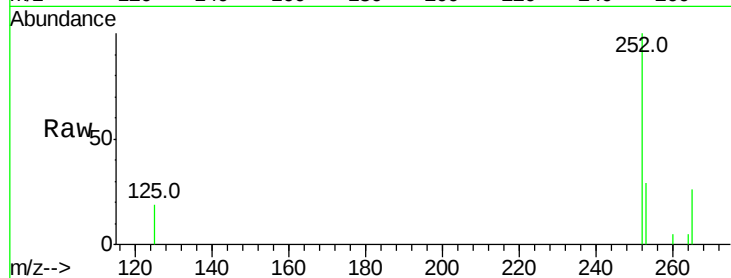
Tot Ion:252 Resp: 2019

Ion Ratio Lower Upper

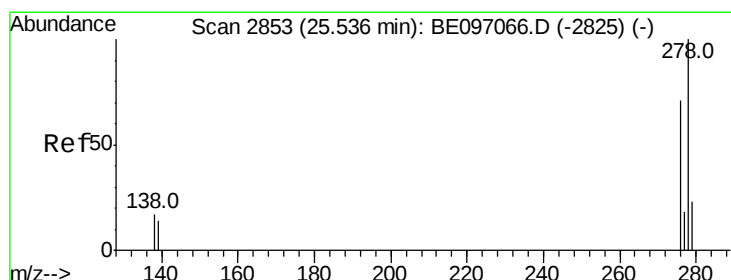
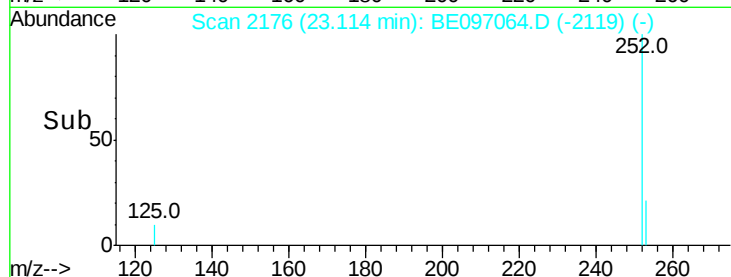
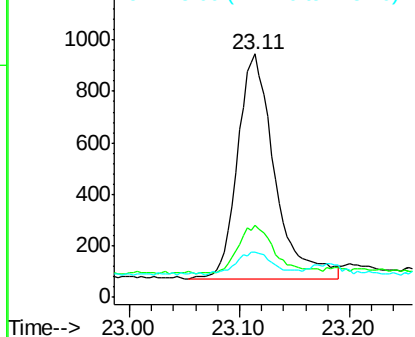
252 100

253 29.5 16.0 24.0#

125 18.8 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: 0.106 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

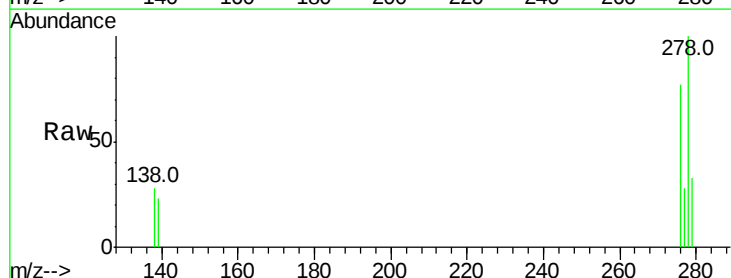
Tgt Ion:278 Resp: 1870

Ion Ratio Lower Upper

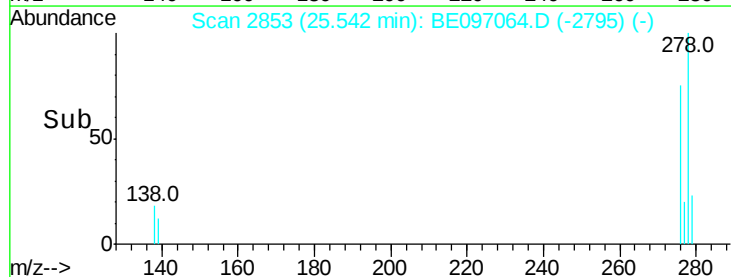
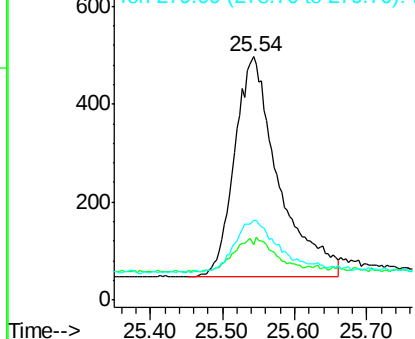
278 100

139 22.9 16.0 24.0

279 32.8 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: 0.108 ng

RT: 26.21 min Scan# 3040

Delta R.T. 0.01 min

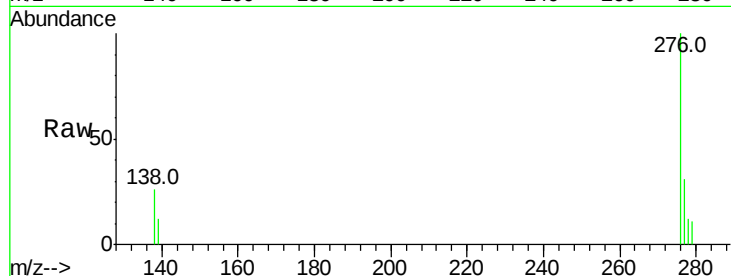
Lab File: BE097064.D

Acq: 24 Jul 2018 8:51

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 2131

Ion Ratio Lower Upper

276 100

277 31.1 16.0 24.0#

138 26.3 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

