

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097033.D
 Acq On : 23 Jul 2018 12:13
 Operator : SJ/JU
 Sample : PB111327BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111327BS

Quant Time: Jul 23 12:50:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1279	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5406	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2459	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	5982	0.40	ng	0.00
27) Chrysene-d12	20.98	240	6755	0.40	ng	0.00
34) Perylene-d12	23.21	264	5877	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1207	0.39	ng	0.00
5) Phenol-d6	6.59	99	1520	0.33	ng	0.00
8) Nitrobenzene-d5	8.53	82	1706	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3393	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	118	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4010	0.44	ng	0.00
25) Fluoranthene-d10	18.81	212	24395	0.47	ng	0.00
29) Terphenyl-d14	19.43	244	6207	0.48	ng	0.00

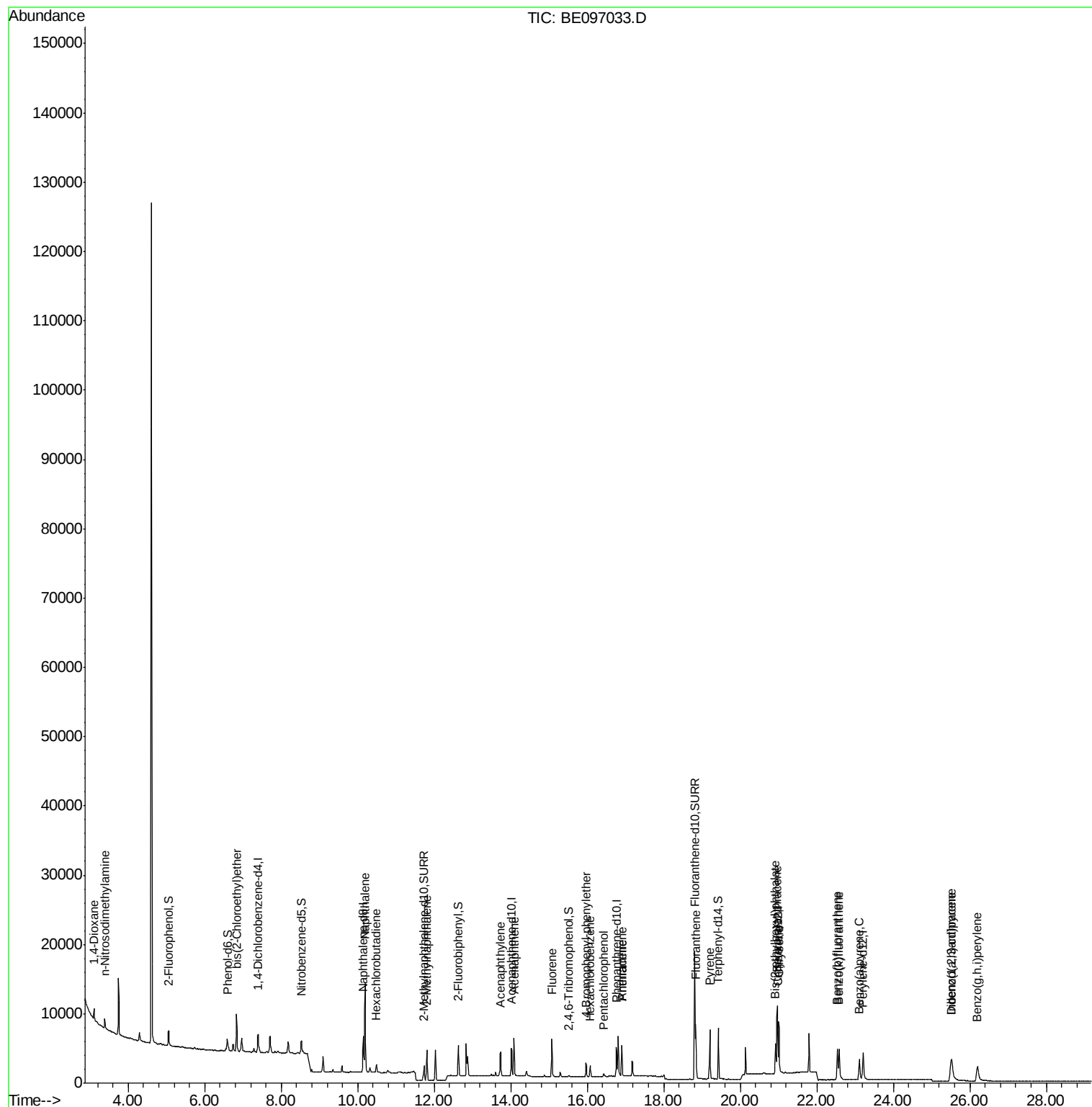
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	692	0.378	ng	# 48
3) n-Nitrosodimethylamine	3.38	42	981	0.476	ng	# 86
6) bis(2-Chloroethyl)ether	6.84	93	1754	0.383	ng	93
9) Naphthalene	10.20	128	20421	0.422	ng	100
10) Hexachlorobutadiene	10.48	225	892	0.456	ng	96
12) 2-Methylnaphthalene	11.81	142	3147	0.383	ng	99
16) Acenaphthylene	13.74	152	4357	0.388	ng	99
17) Acenaphthene	14.08	154	2587	0.371	ng	# 90
18) Fluorene	15.07	166	3111	0.397	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	1085	0.384	ng	# 77
21) Hexachlorobenzene	16.08	284	1252	0.398	ng	# 84
22) Pentachlorophenol	16.44	266	237	0.506	ng	# 81
23) Phenanthrene	16.90	178	5161	0.360	ng	98
24) Anthracene	16.90	178	5064	0.406	ng	96
26) Fluoranthene	18.84	202	6712	0.444	ng	98
28) Pyrene	19.21	202	6826	0.342	ng	99
30) Benzo(a)anthracene	20.96	228	6487	0.403	ng	98
31) Chrysene	21.00	228	7488	0.415	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	5216	0.325	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	6375	0.485	ng	# 91
35) Benzo(b)fluoranthene	22.53	252	6049	0.403	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	7316	0.410	ng	95
37) Benzo(a)pyrene	23.11	252	5577	0.428	ng	93
38) Dibenzo(a,h)anthracene	25.53	278	5103	0.466	ng	97
39) Benzo(g,h,i)perylene	26.20	276	5780	0.474	ng	# 89

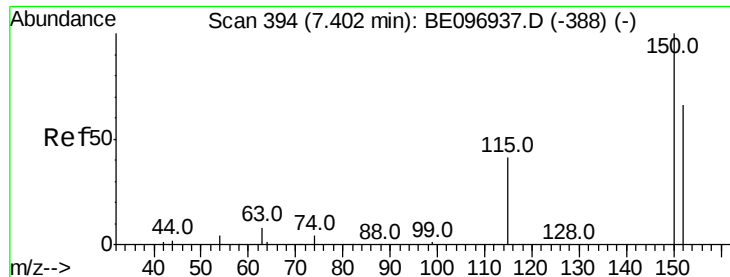
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

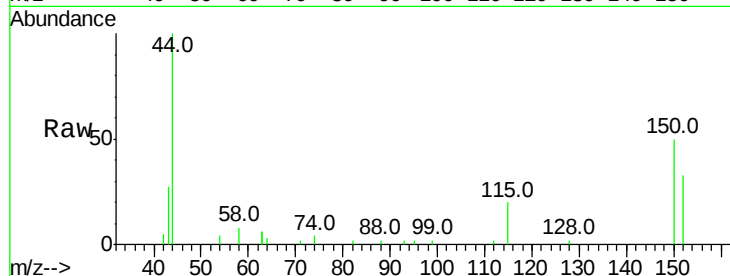
Tot Ion:152 Resp: 1279

Ion Ratio Lower Upper

152 100

150 149.9 117.2 175.8

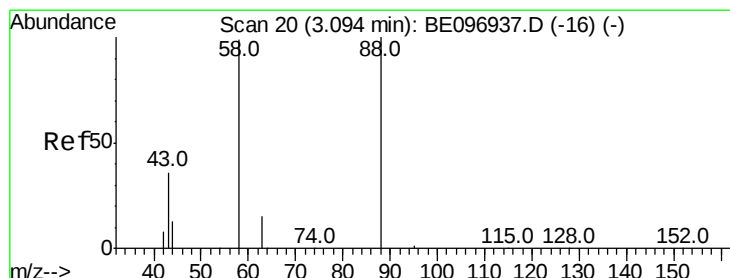
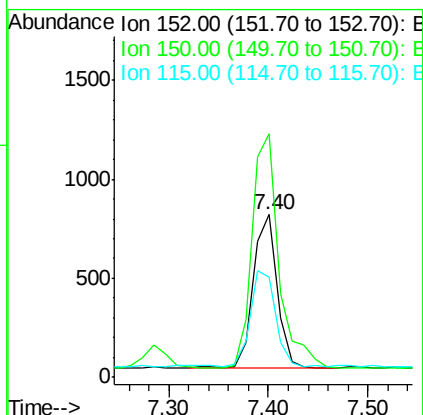
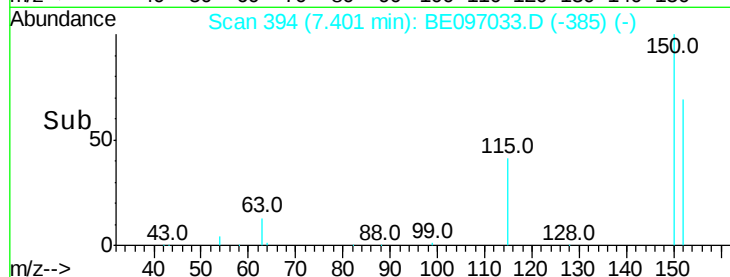
115 61.8 57.0 85.6



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: 0.378 ng

RT: 3.10 min Scan# 21

Delta R.T. 0.01 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

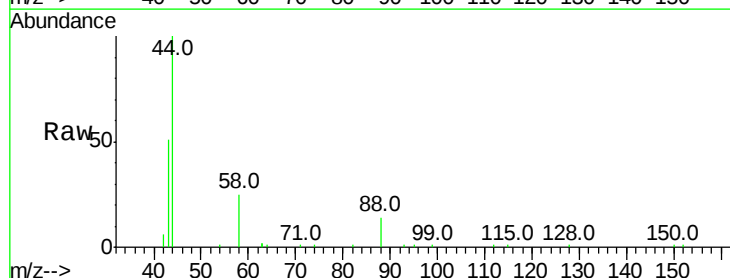
Tgt Ion: 88 Resp: 692

Ion Ratio Lower Upper

88 100

58 128.8 63.2 94.8#

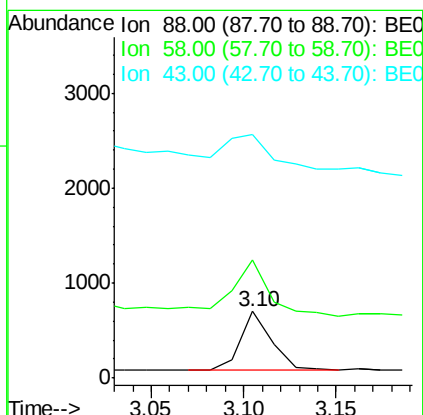
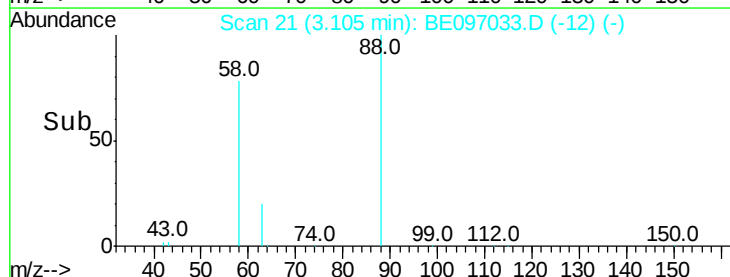
43 82.9 41.2 61.8#

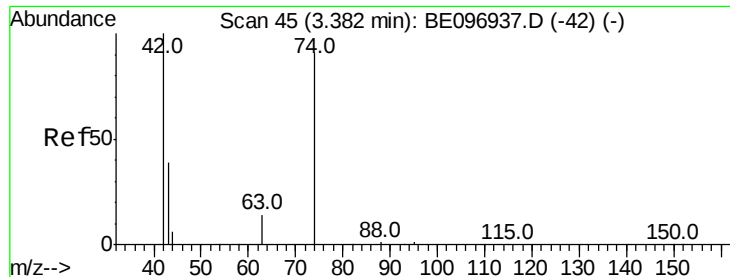


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



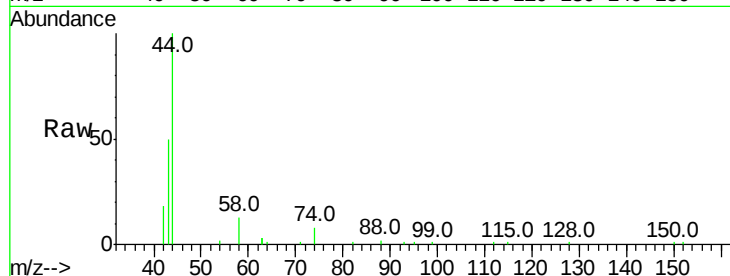


#3

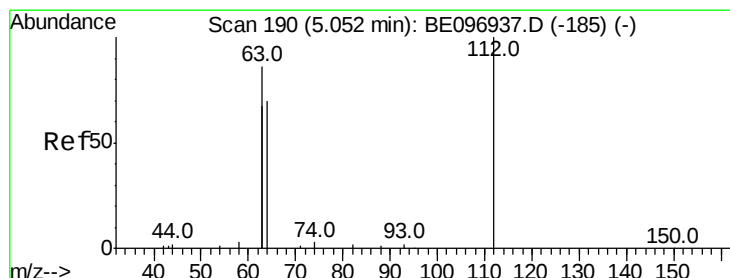
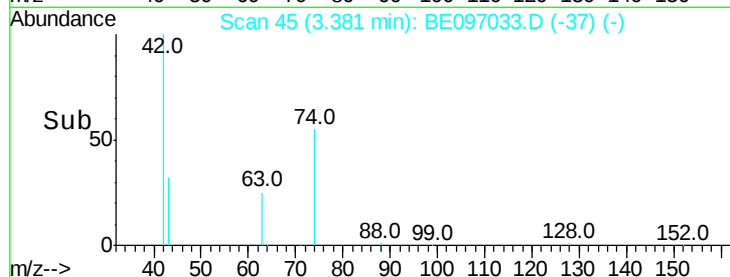
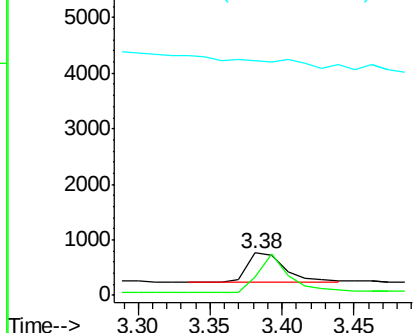
n-Nitrosodimethylamine
 Concen: 0.476 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097033.D
 Acq: 23 Jul 2018 12:13

Instrument :
 BNA_E
 ClientSampleId :
 PB111327BS

Tot Ion: 42 Resp: 981
 Ion Ratio Lower Upper
 42 100
 74 107.7 96.0 144.0
 44 0.0 12.0 18.0#



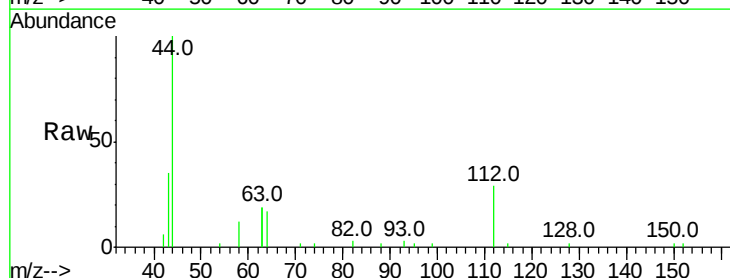
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



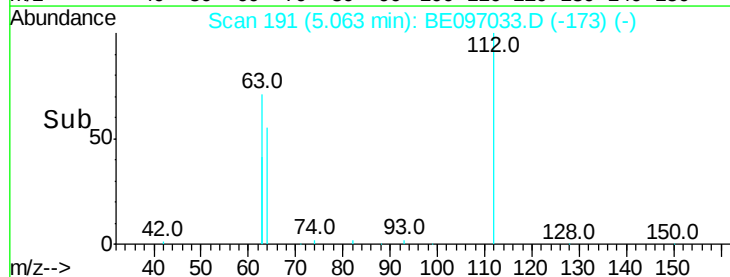
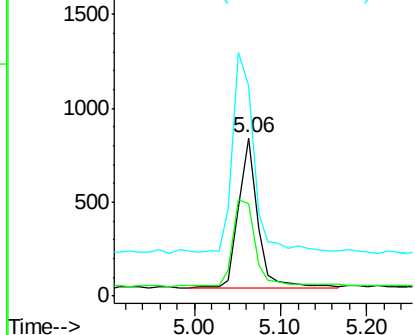
#4

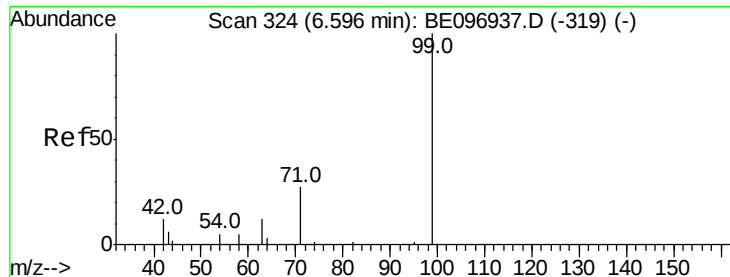
2-Fluorophenol
 Concen: 0.394 ng
 RT: 5.06 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE097033.D
 Acq: 23 Jul 2018 12:13

Tgt Ion: 112 Resp: 1207
 Ion Ratio Lower Upper
 112 100
 64 71.6 60.1 90.1
 63 150.7 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.326 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

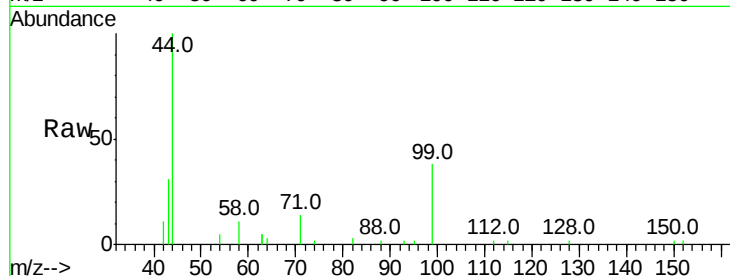
Tot Ion: 99 Resp: 1520

Ion Ratio Lower Upper

99 100

42 22.0 20.2 30.2

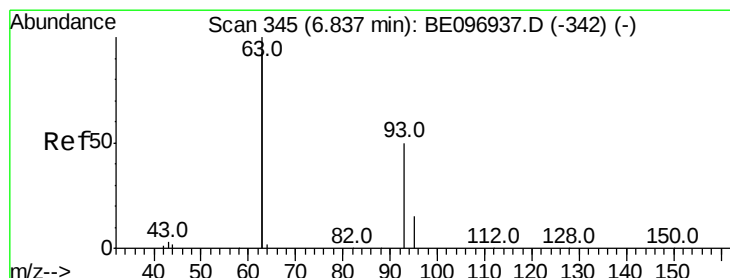
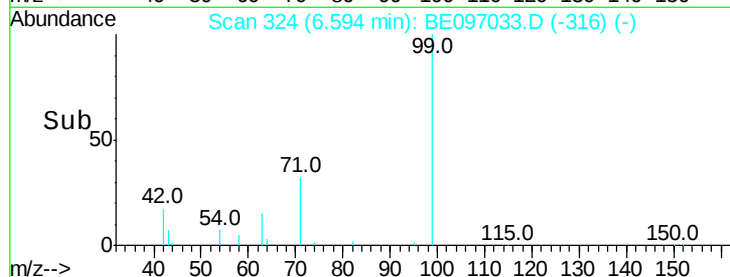
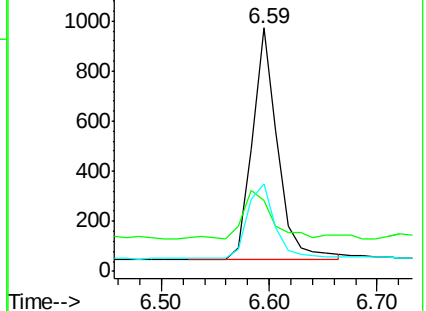
71 35.4 28.4 42.6



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: 0.383 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

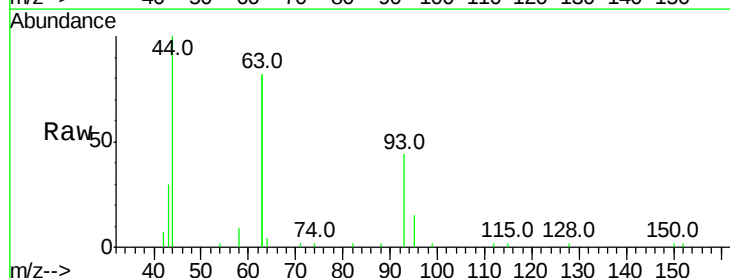
Tgt Ion: 93 Resp: 1754

Ion Ratio Lower Upper

93 100

63 327.2 275.3 412.9

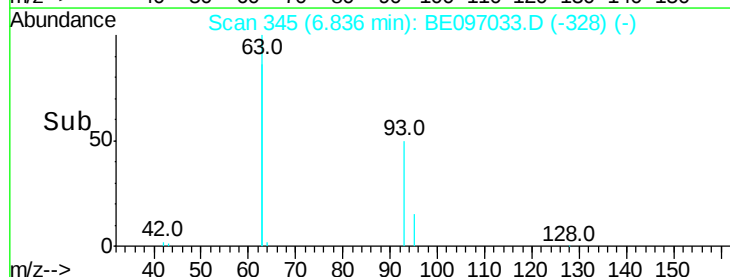
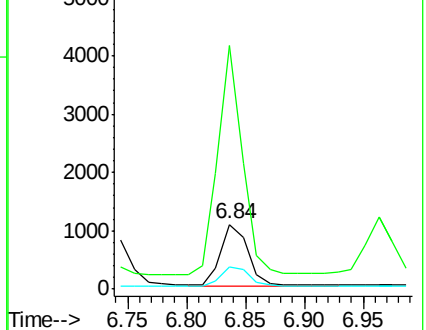
95 30.6 25.2 37.8

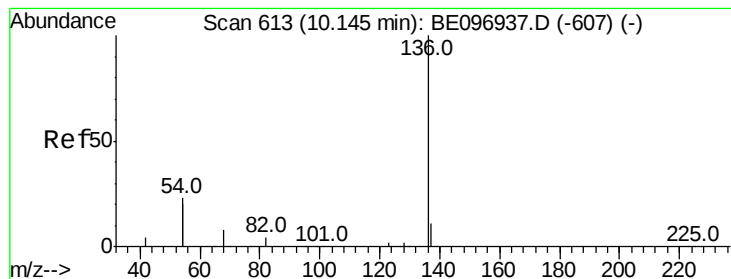


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

Tot Ion:136 Resp: 5406

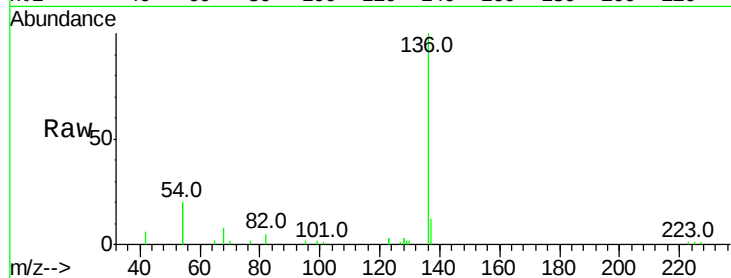
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 39.0 29.1 43.7

68 7.6 6.2 9.2

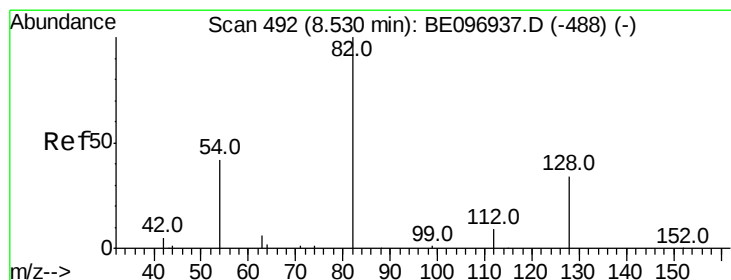
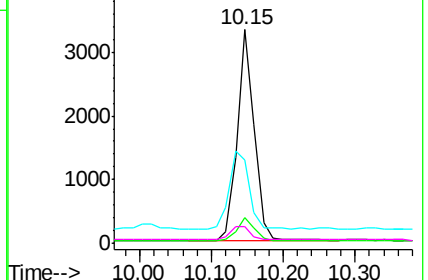
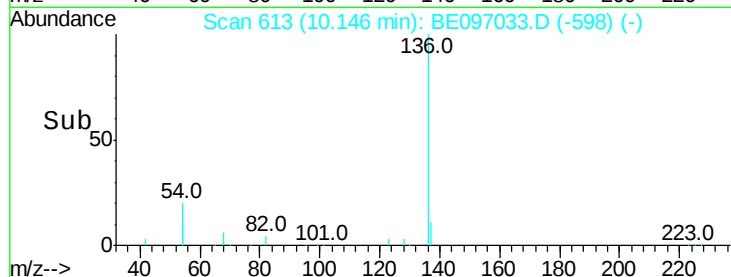


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.433 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

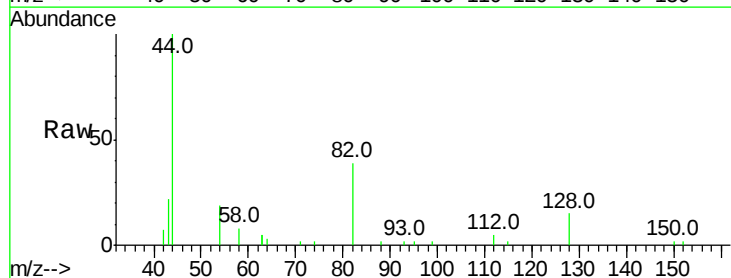
Tgt Ion: 82 Resp: 1706

Ion Ratio Lower Upper

82 100

128 38.6 24.0 36.0#

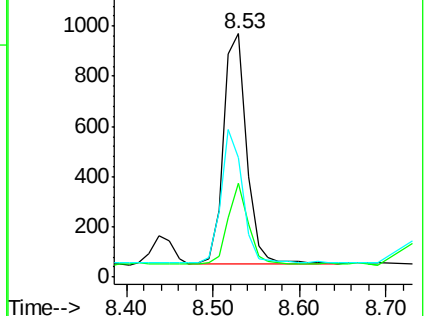
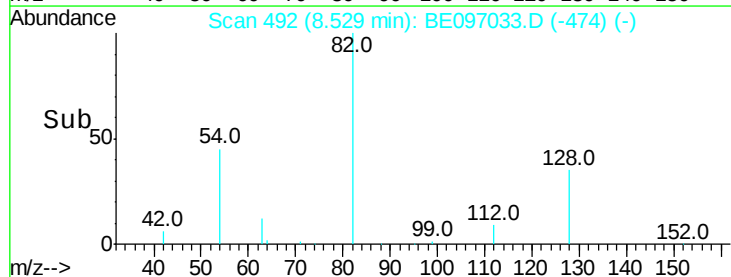
54 49.1 40.0 60.0

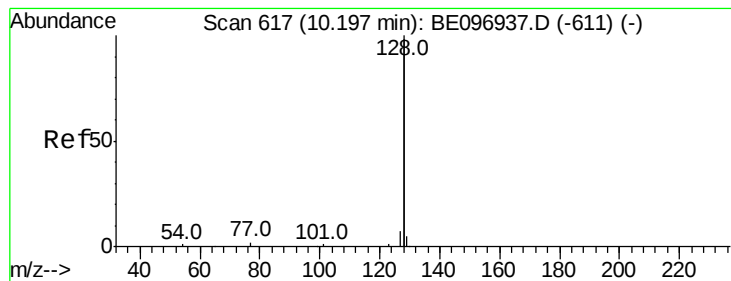


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.422 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

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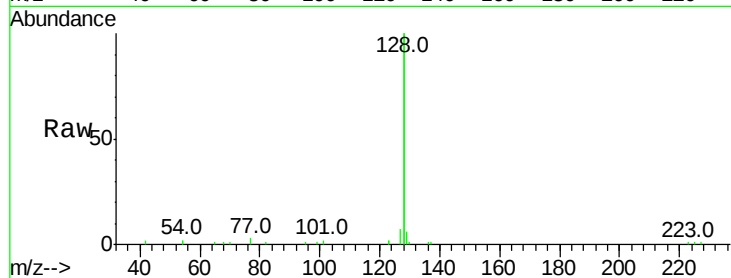
Tot Ion:128 Resp: 20421

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

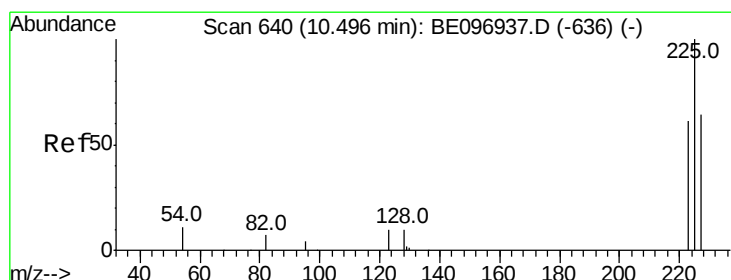
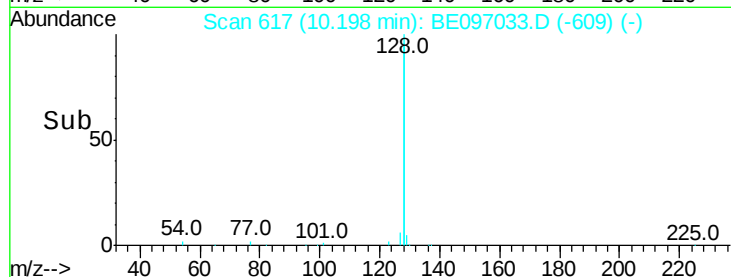
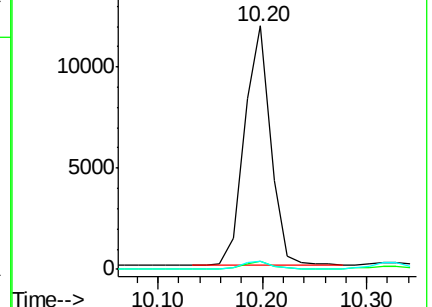
127 3.5 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.456 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

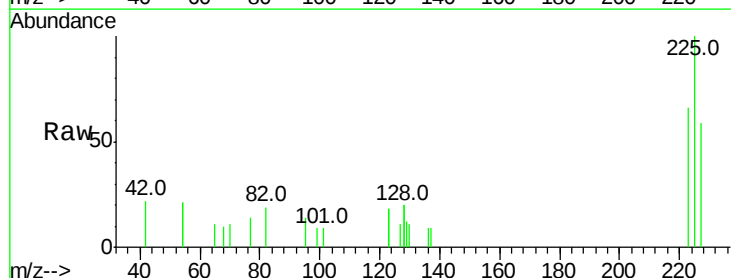
Tgt Ion:225 Resp: 892

Ion Ratio Lower Upper

225 100

223 62.8 53.0 79.6

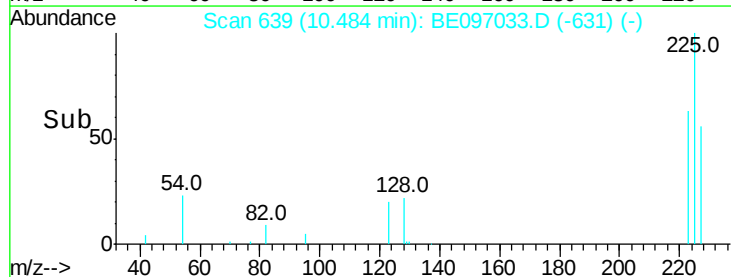
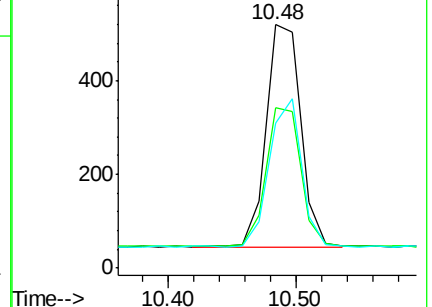
227 61.9 51.4 77.2

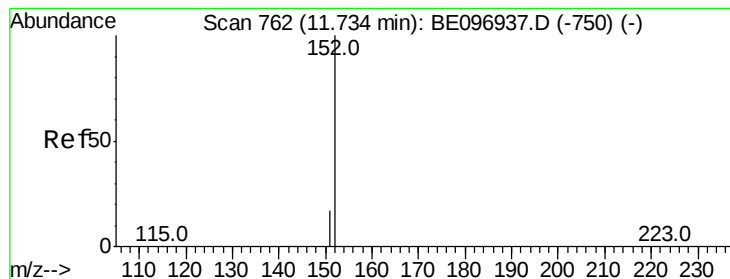


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.431 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

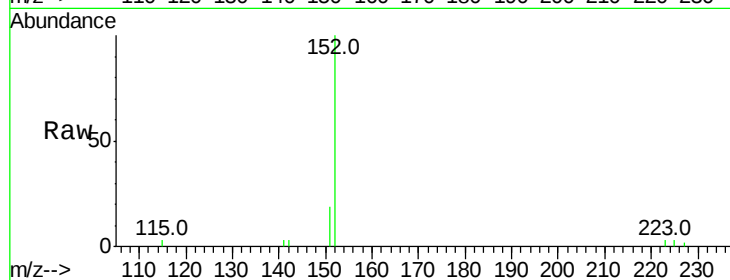
PB111327BS

Tot Ion:152 Resp: 3393

Ion Ratio Lower Upper

152 100

151 15.9 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

2000

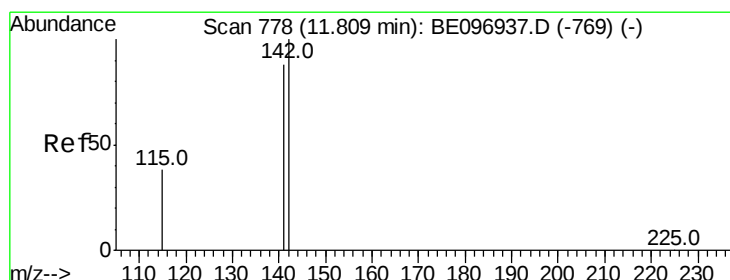
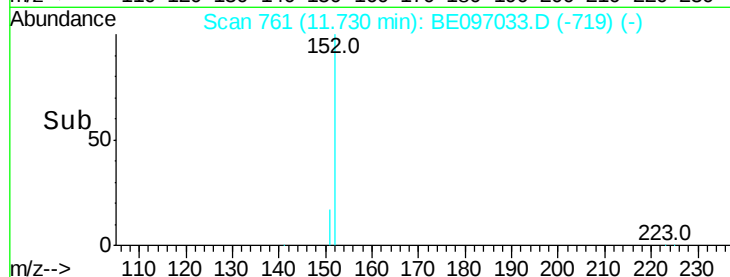
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.383 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

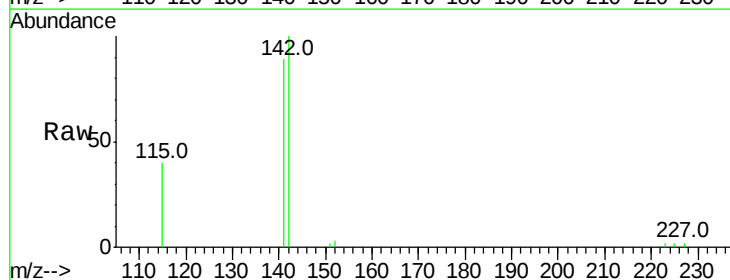
Tgt Ion:142 Resp: 3147

Ion Ratio Lower Upper

142 100

141 88.6 70.4 105.6

115 40.5 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

2500

2000

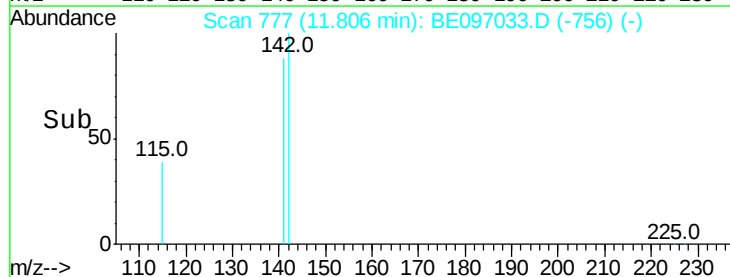
1500

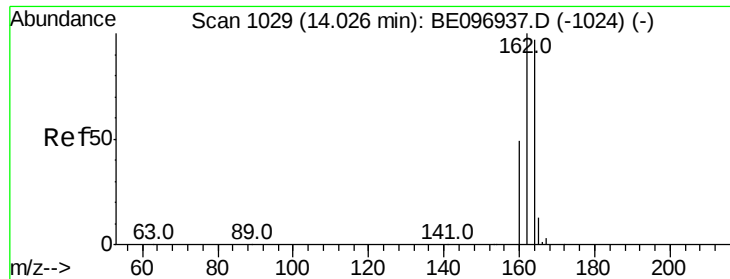
1000

500

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

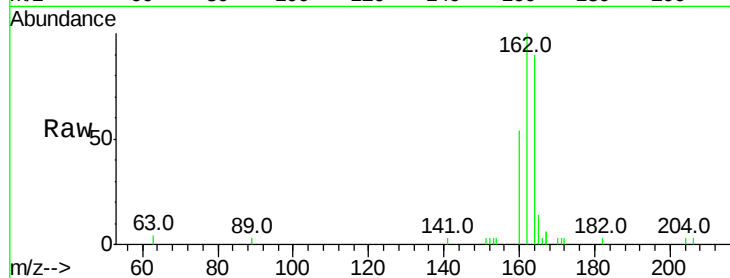
Tot Ion:164 Resp: 2459

Ion Ratio Lower Upper

164 100

162 111.7 83.1 124.7

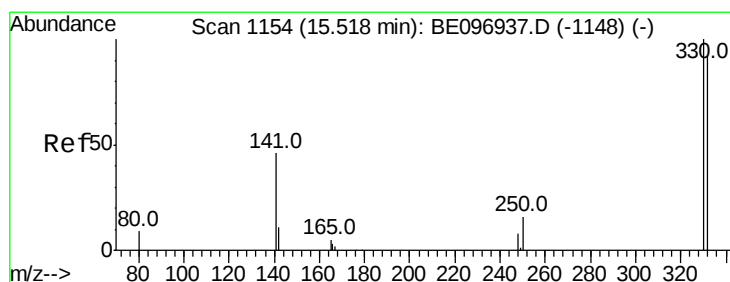
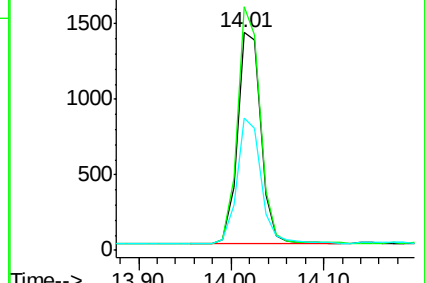
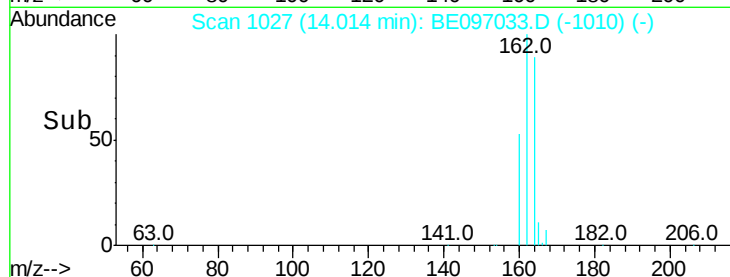
160 60.6 37.1 55.7#



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: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

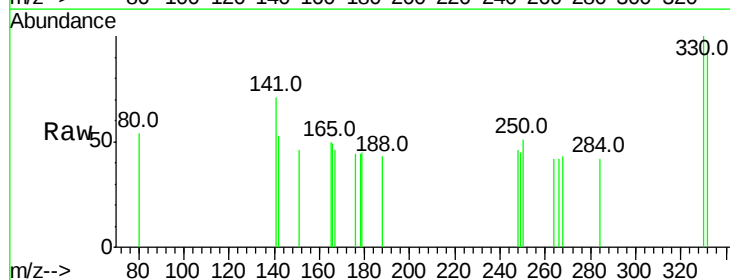
Tgt Ion:330 Resp: 118

Ion Ratio Lower Upper

330 100

332 89.0 152.7 229.1#

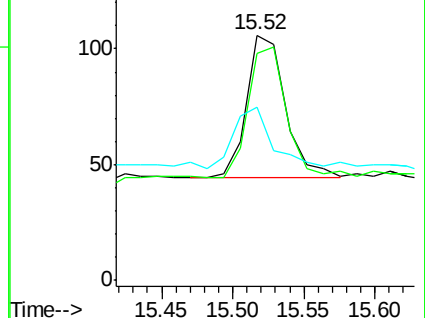
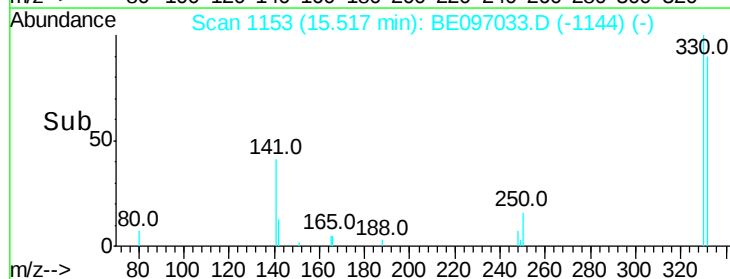
141 39.8 33.7 50.5

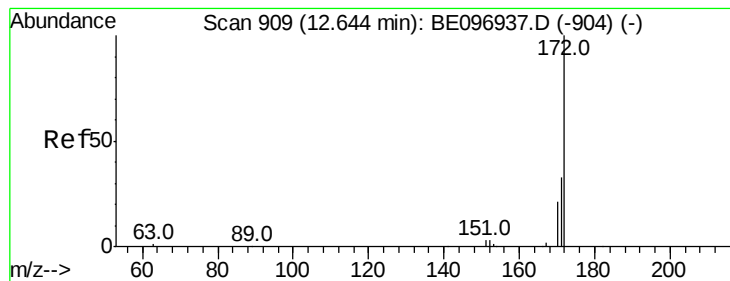


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

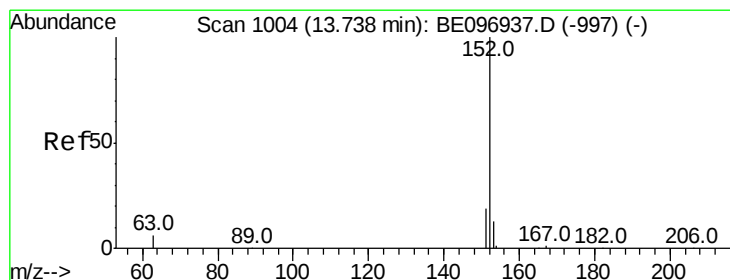
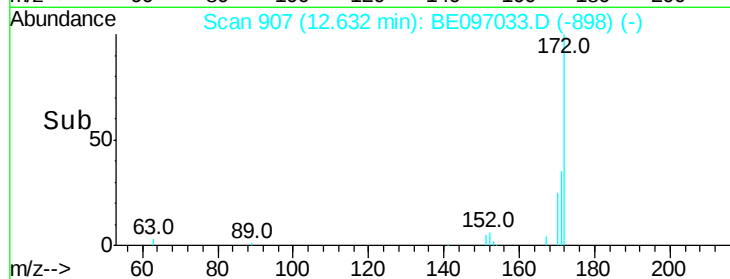
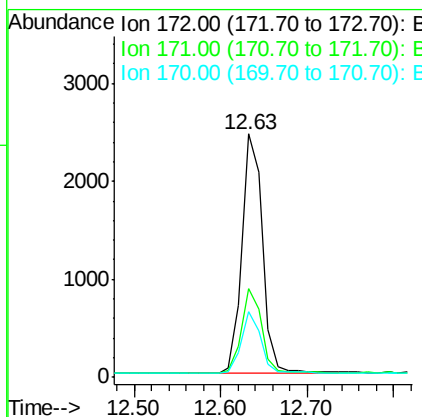
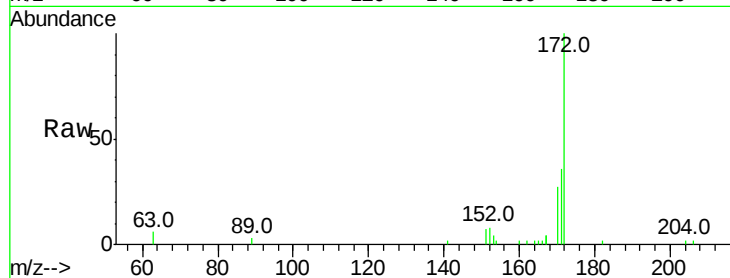




#15
2-Fluorobiphenyl
Concen: 0.438 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097033.D
Acq: 23 Jul 2018 12:13

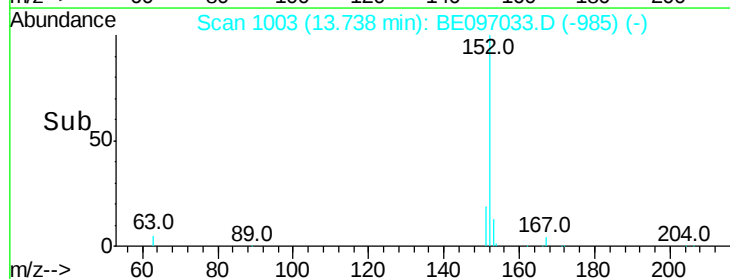
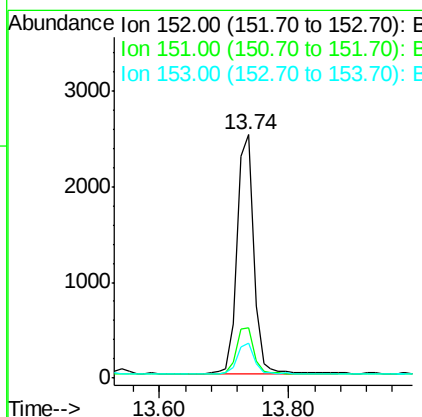
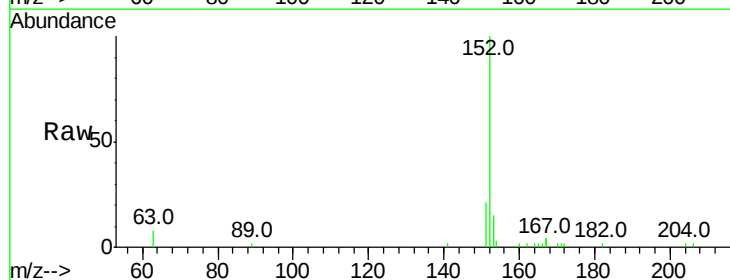
Instrument :
BNA_E
ClientSampleId :
PB111327BS

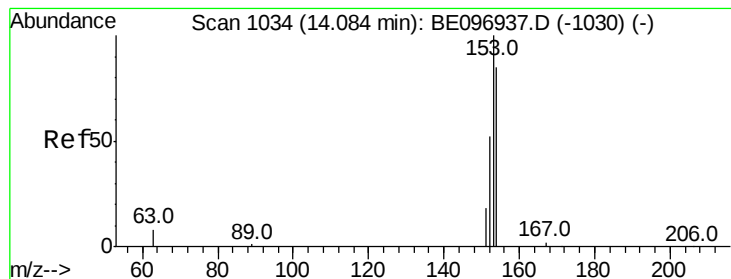
Tot Ion:172 Resp: 4010
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 26.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.388 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097033.D
Acq: 23 Jul 2018 12:13

Tgt Ion:152 Resp: 4357
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.371 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampled :

PB111327BS

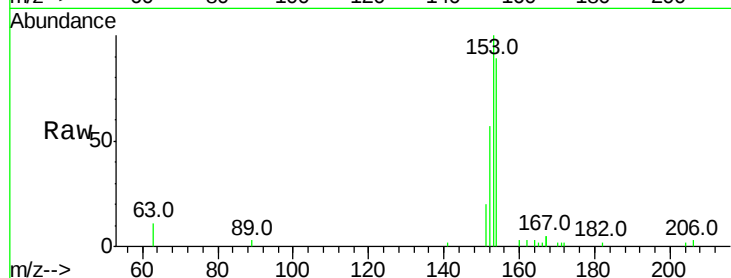
Tot Ion:154 Resp: 2587

Ion Ratio Lower Upper

154 100

153 115.8 89.2 133.8

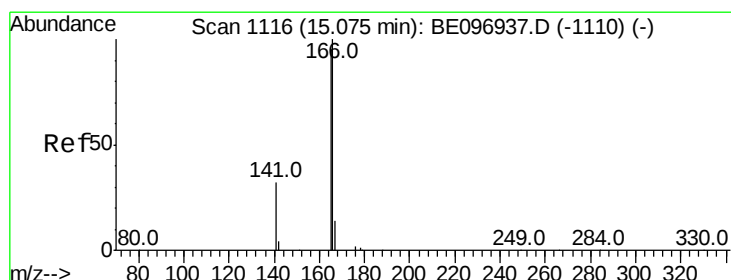
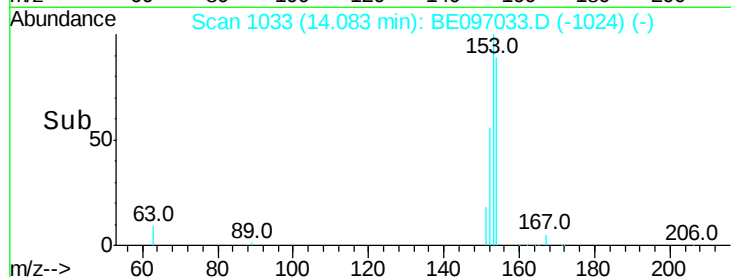
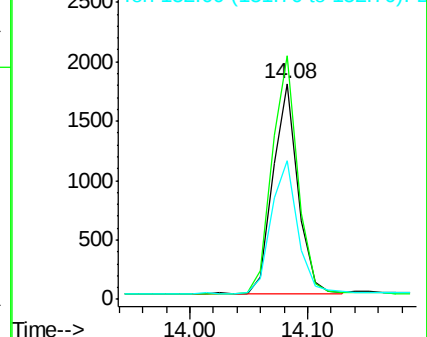
152 67.8 42.0 63.0#



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: 0.397 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

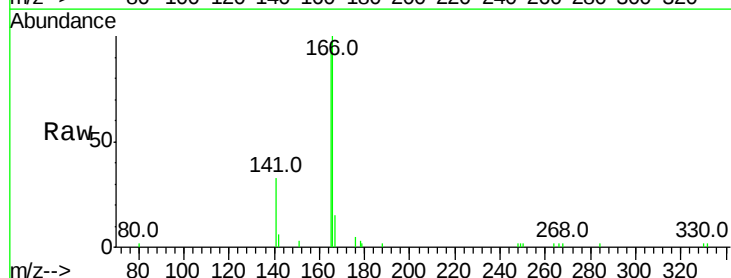
Tgt Ion:166 Resp: 3111

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.6

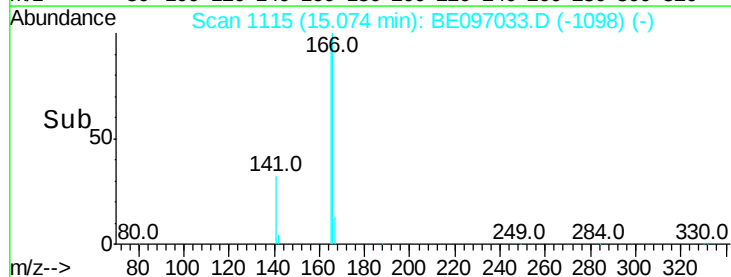
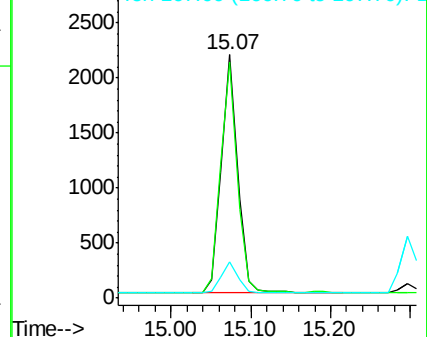
167 13.4 42.4 63.6#

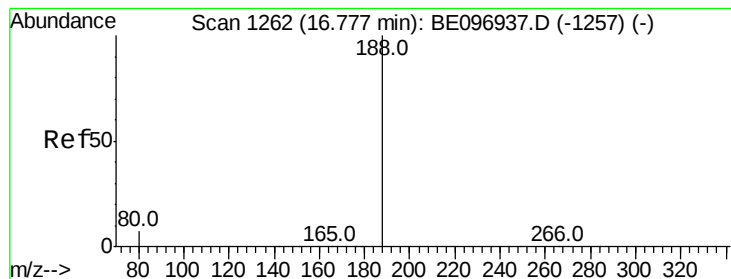


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.76 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

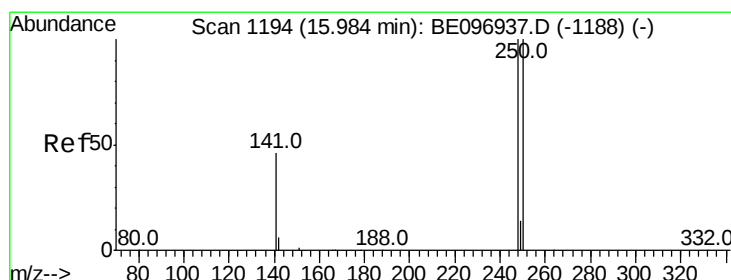
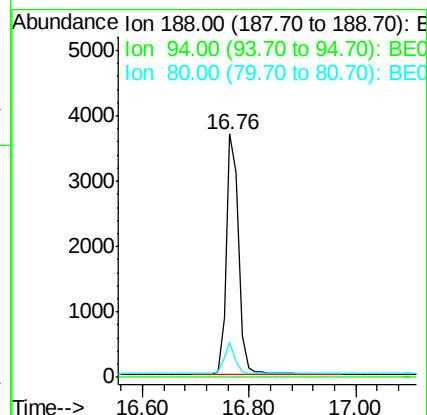
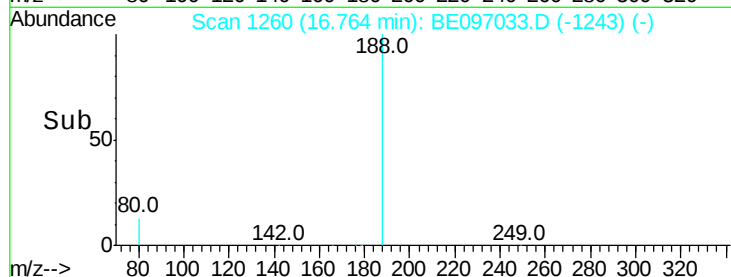
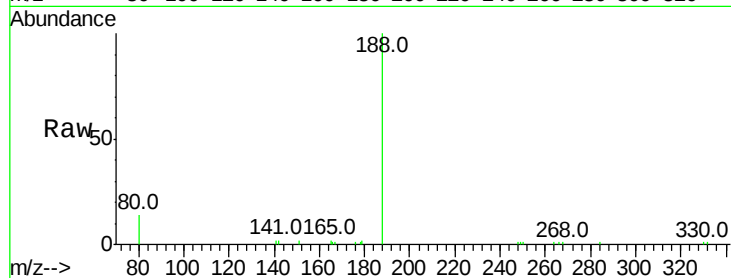
Tot Ion:188 Resp: 5982

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 14.2 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.384 ng

RT: 15.97 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

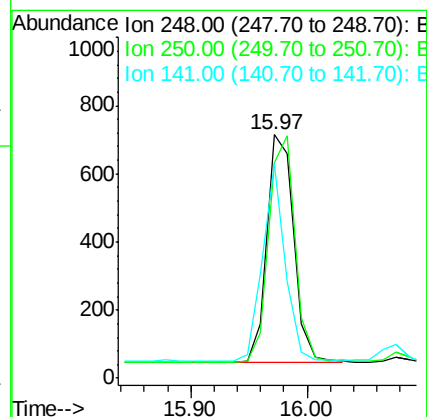
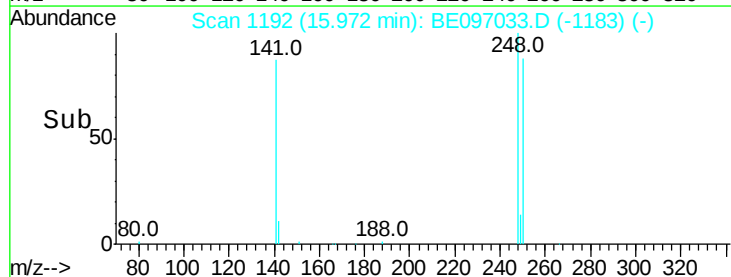
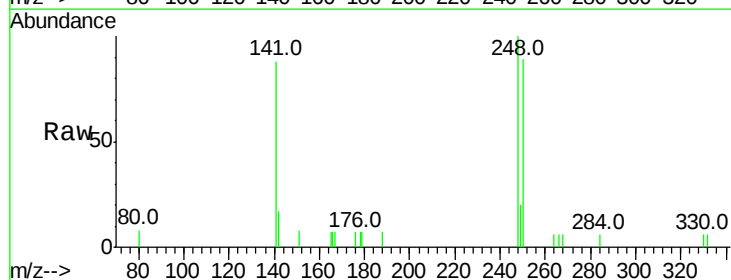
Tgt Ion:248 Resp: 1085

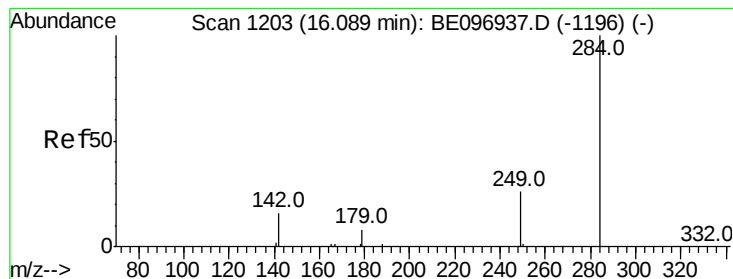
Ion Ratio Lower Upper

248 100

250 88.5 62.7 94.1

141 88.1 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.398 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

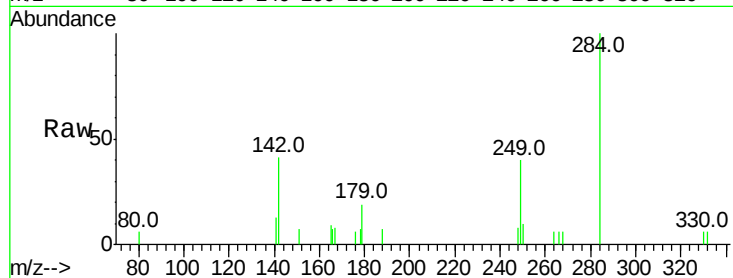
Tot Ion:284 Resp: 1252

Ion Ratio Lower Upper

284 100

142 33.4 22.1 33.1#

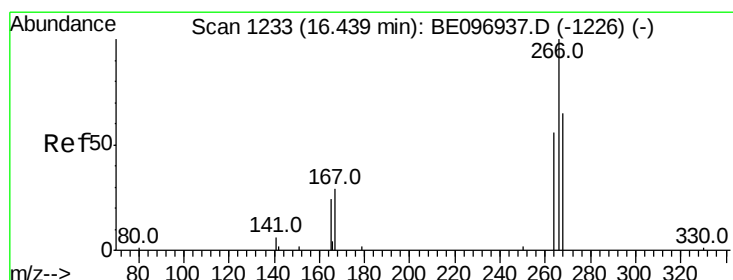
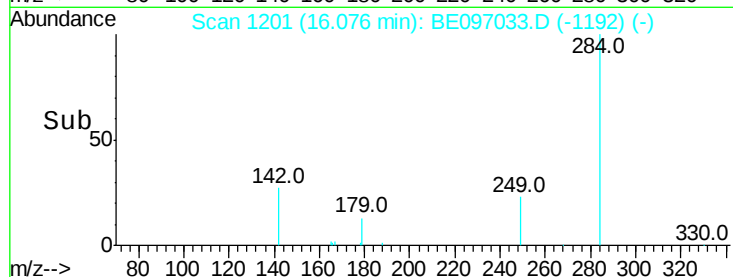
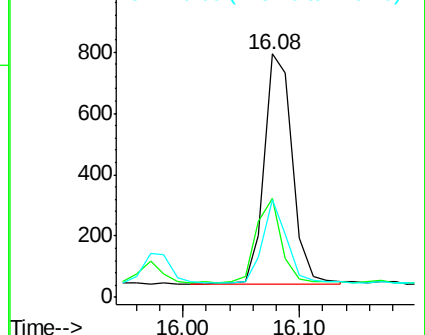
249 31.6 34.8 52.2#



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: 0.506 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

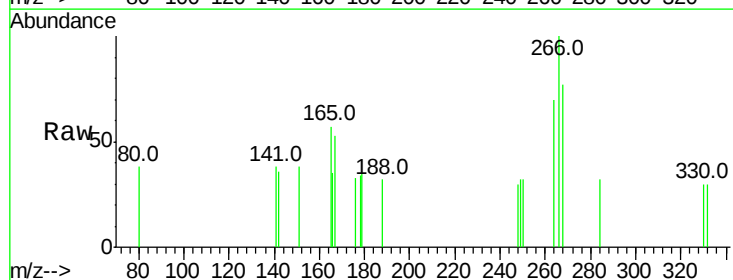
Tgt Ion:266 Resp: 237

Ion Ratio Lower Upper

266 100

264 70.5 72.5 108.7#

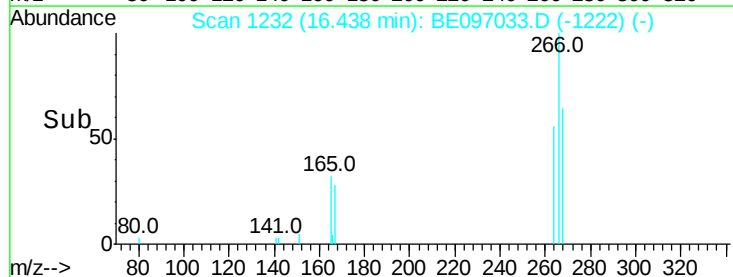
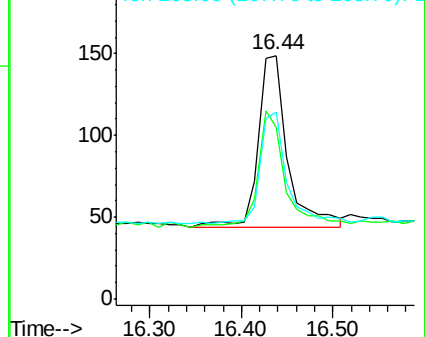
268 76.5 73.8 110.6

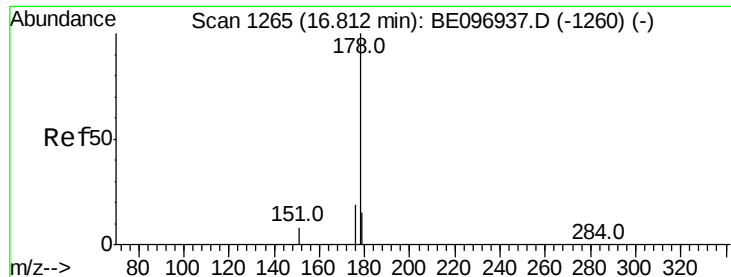


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.360 ng

RT: 16.90 min Scan# 1272

Delta R.T. 0.09 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

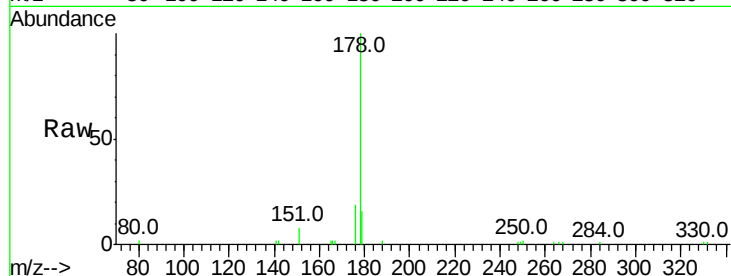
Tot Ion:178 Resp: 5161

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

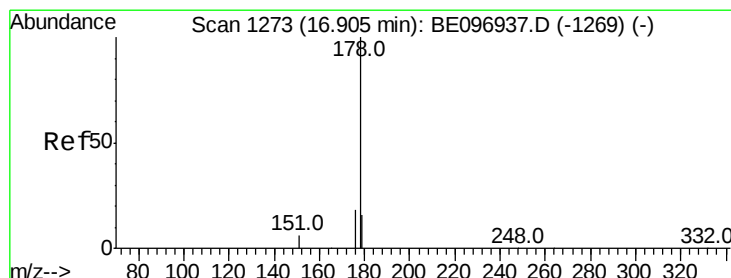
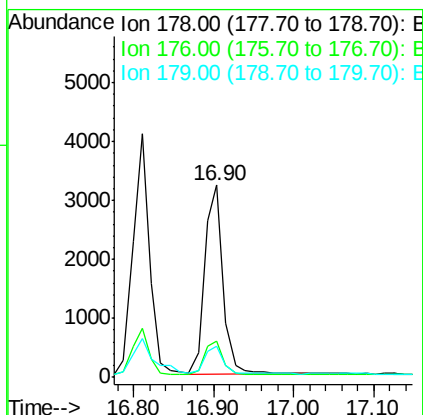
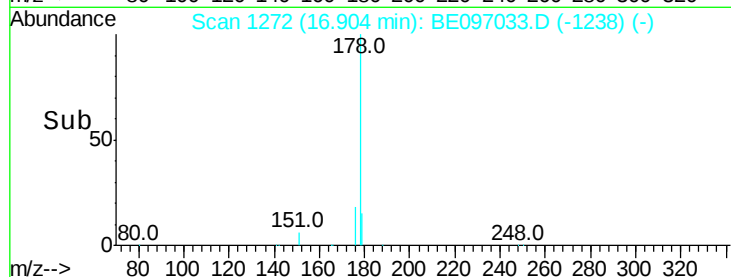
179 15.7 11.8 17.6



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: 0.406 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

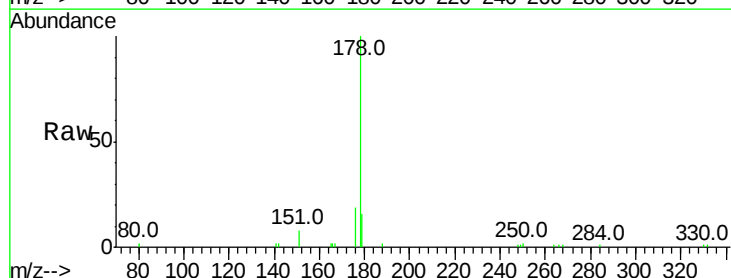
Tgt Ion:178 Resp: 5064

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

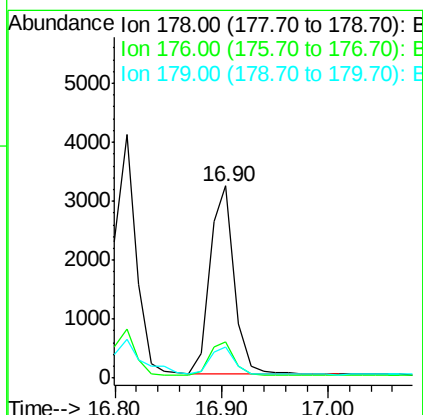
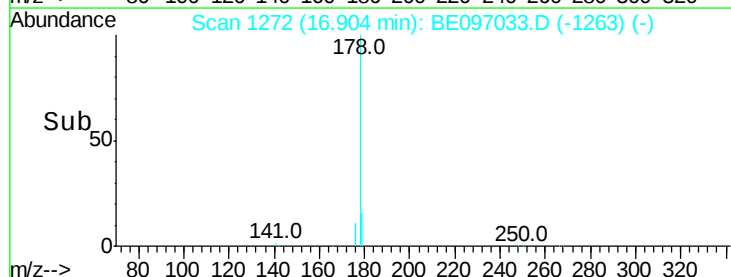
179 15.3 13.0 19.6

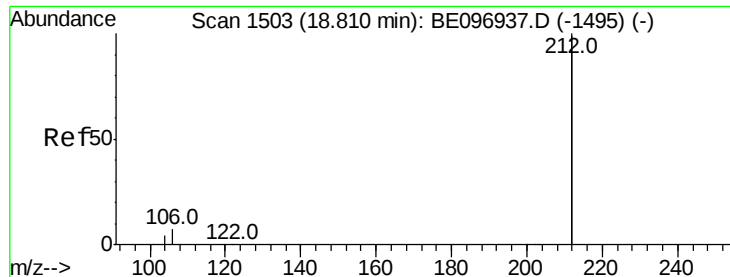


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

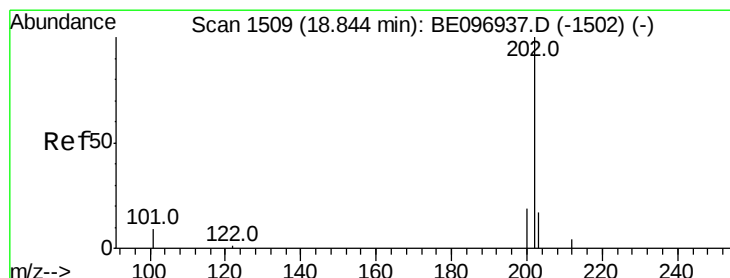
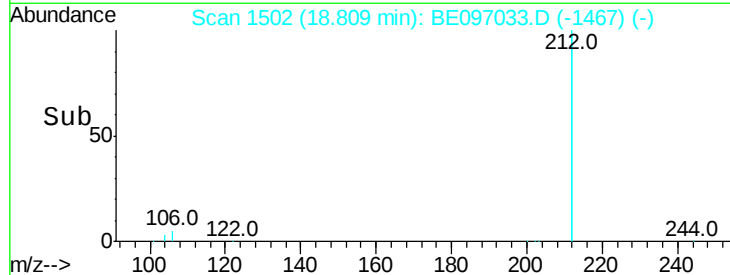
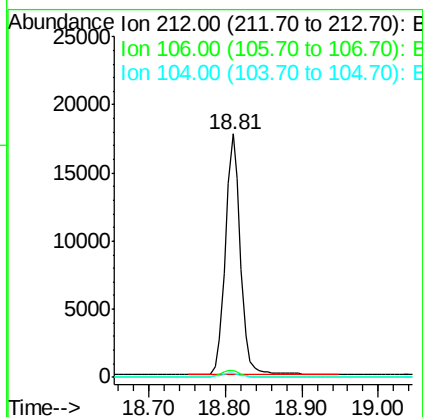
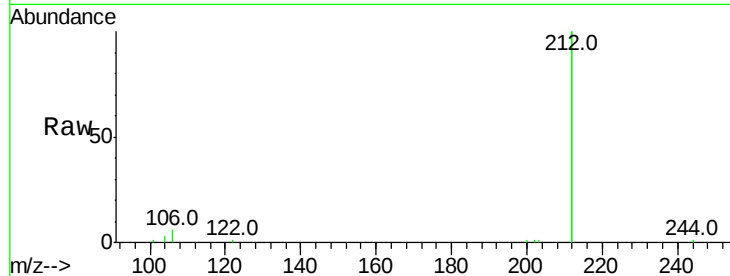




#25
 Fluoranthene-d10
 Concen: 0.469 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BE097033.D
 Acq: 23 Jul 2018 12:13

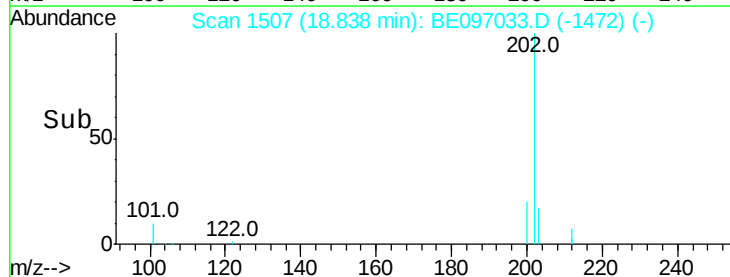
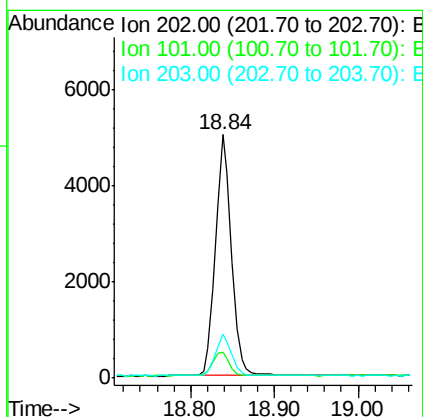
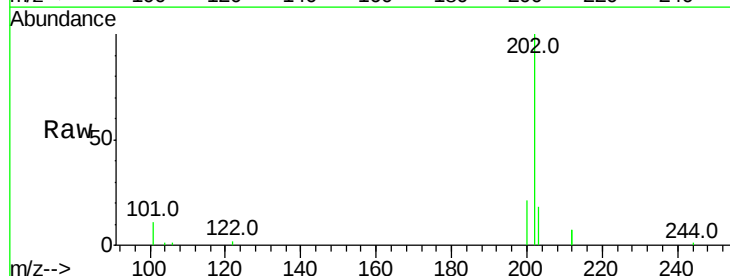
Instrument :
 BNA_E
 ClientSampleId :
 PB111327BS

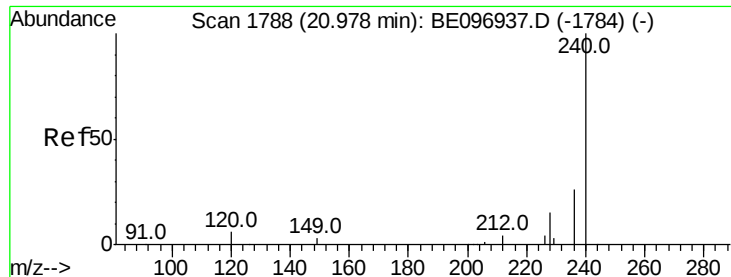
Tot Ion:212 Resp: 24395
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.8 4.2
 104 1.6 1.6 2.4



#26
 Fluoranthene
 Concen: 0.444 ng
 RT: 18.84 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: BE097033.D
 Acq: 23 Jul 2018 12:13

Tgt Ion:202 Resp: 6712
 Ion Ratio Lower Upper
 202 100
 101 10.4 9.8 14.8
 203 16.8 13.7 20.5

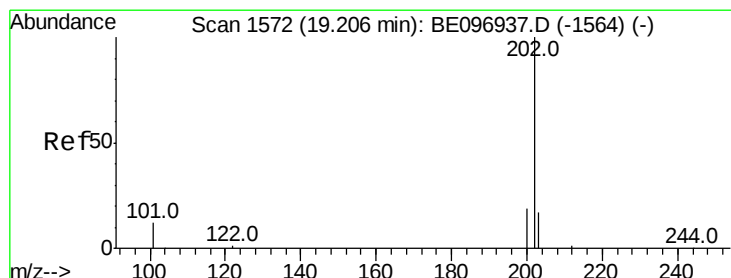
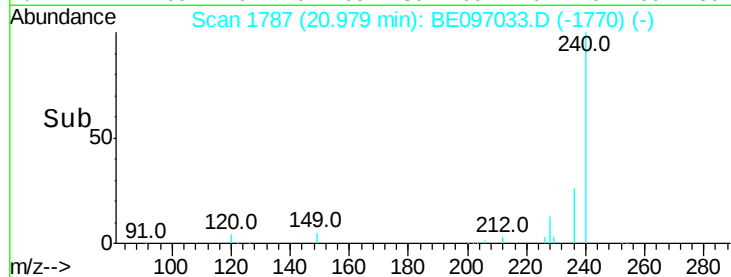
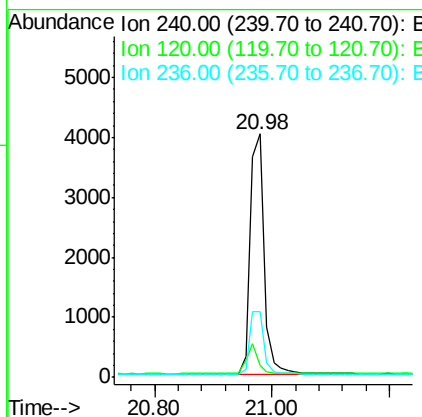
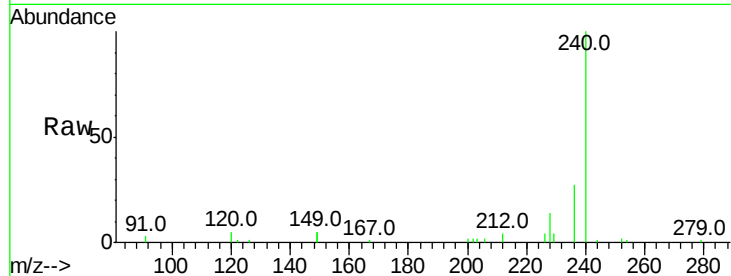




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097033.D
 Acq: 23 Jul 2018 12:13

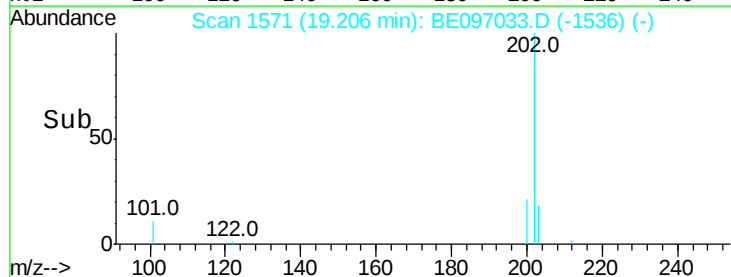
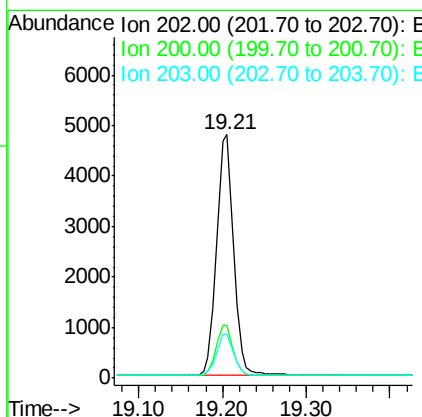
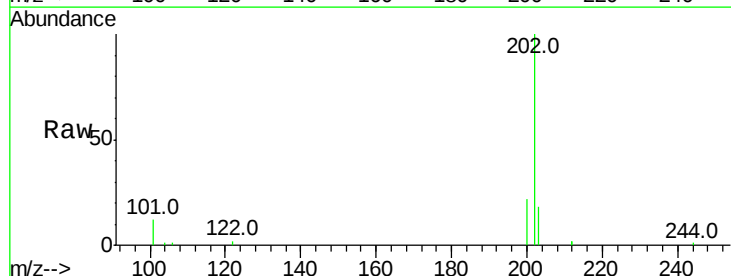
Instrument :
 BNA_E
 ClientSampleId :
 PB111327BS

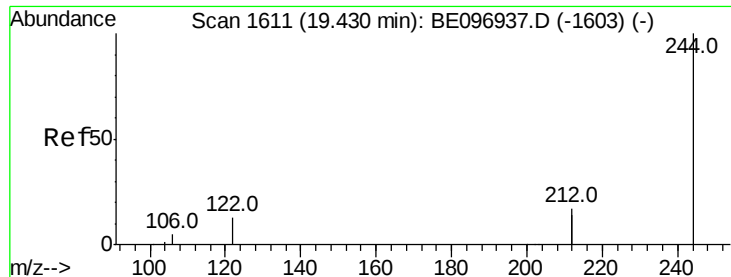
Tot Ion:240 Resp: 6755
 Ion Ratio Lower Upper
 240 100
 120 5.1 5.5 8.3#
 236 26.8 20.7 31.1



#28
 Pyrene
 Concen: 0.342 ng
 RT: 19.21 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BE097033.D
 Acq: 23 Jul 2018 12:13

Tgt Ion:202 Resp: 6826
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 17.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.476 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

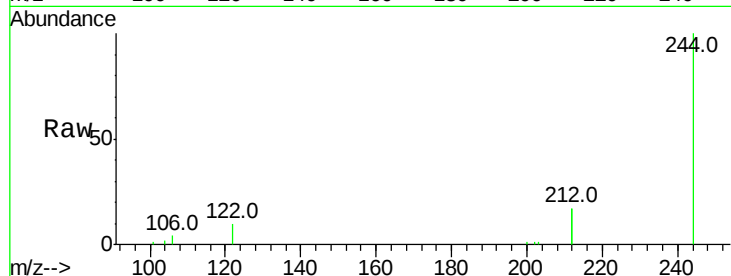
Tot Ion:244 Resp: 6207

Ion Ratio Lower Upper

244 100

212 33.6 25.4 38.0

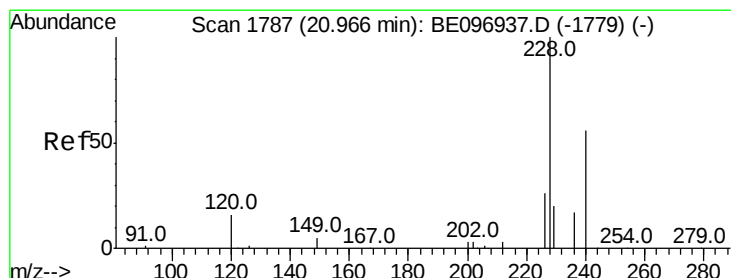
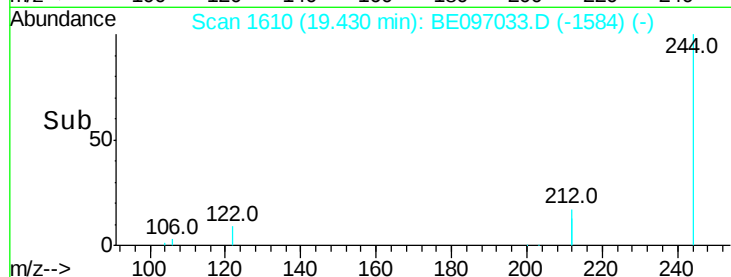
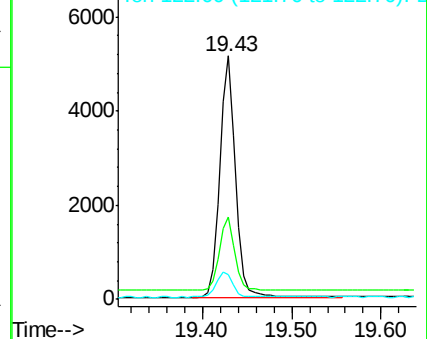
122 10.0 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.403 ng

RT: 20.96 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

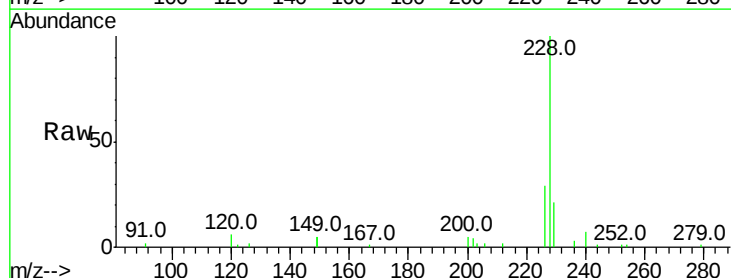
Tgt Ion:228 Resp: 6487

Ion Ratio Lower Upper

228 100

226 28.8 24.0 36.0

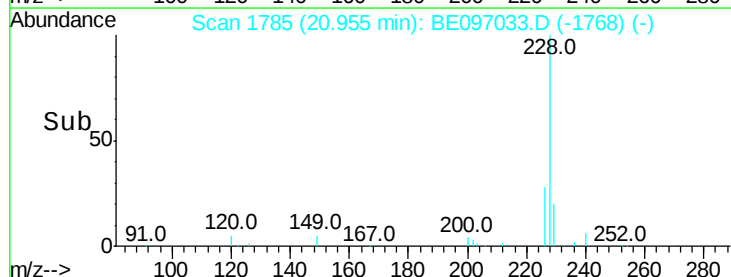
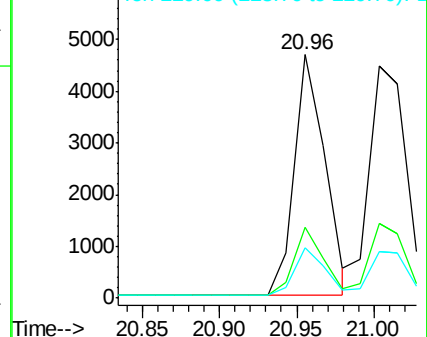
229 20.8 16.0 24.0

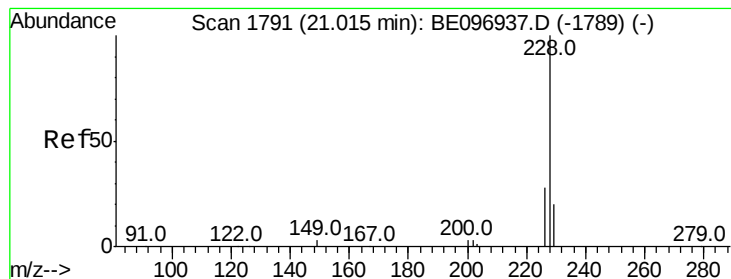


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.415 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

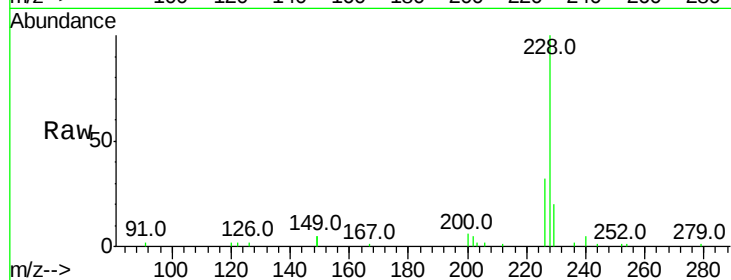
BNA_E

ClientSampleId :

PB111327BS

Tot Ion:228 Resp: 7488

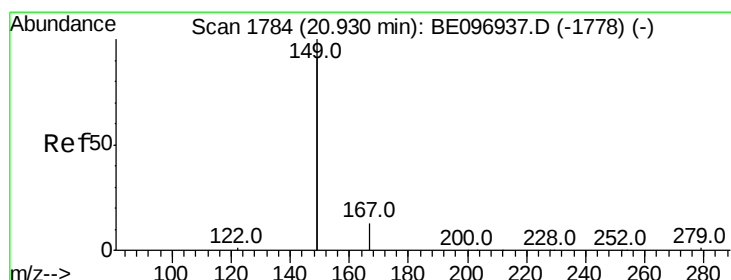
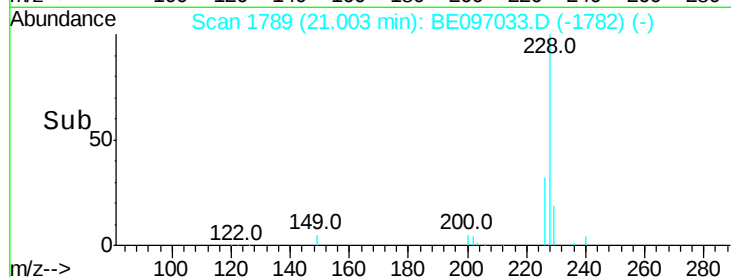
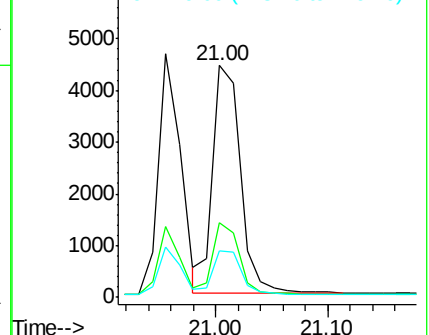
Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.0	36.0
229	20.2	16.0	24.0



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: 0.325 ng

RT: 20.92 min Scan# 1782

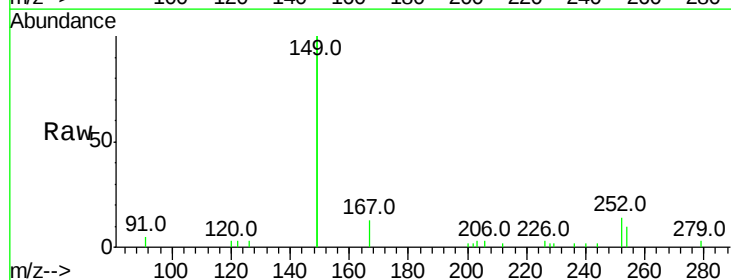
Delta R.T. -0.01 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Tgt Ion:149 Resp: 5216

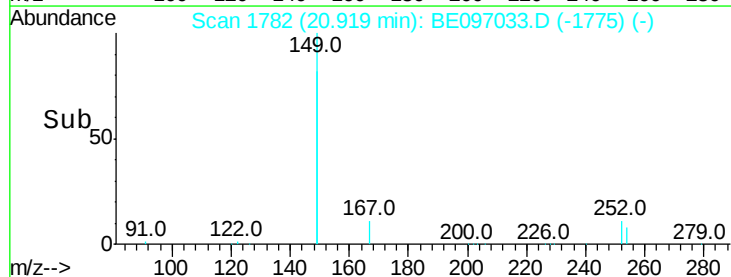
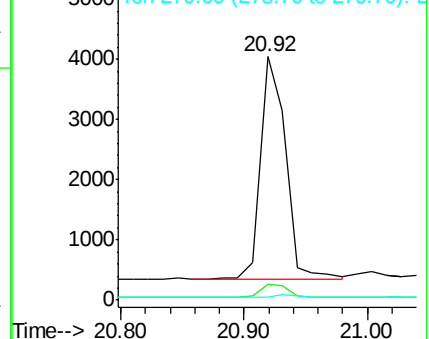
Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.2	0.7	1.1#

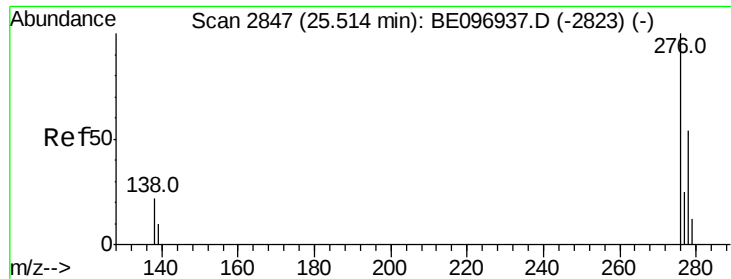


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.485 ng

RT: 25.51 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

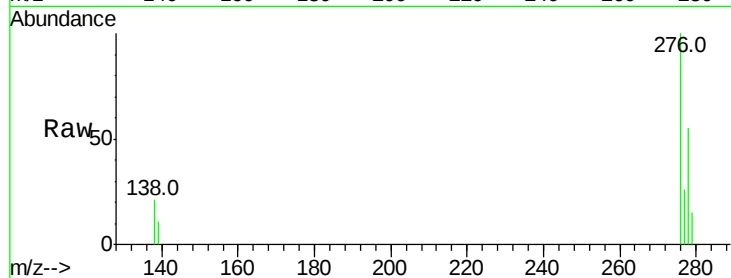
Tot Ion:276 Resp: 6375

Ion Ratio Lower Upper

276 100

138 20.7 22.5 33.7#

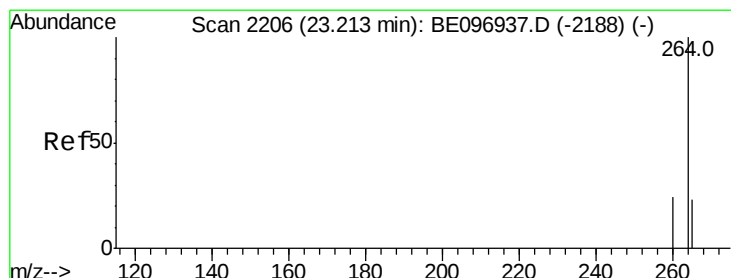
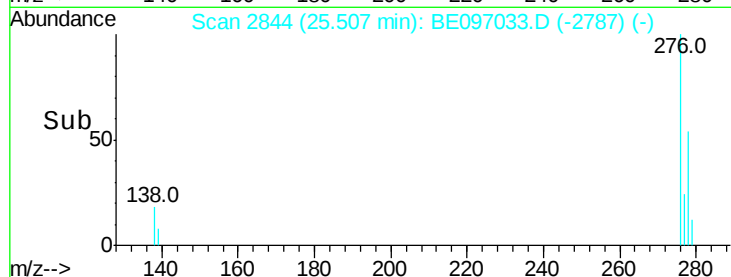
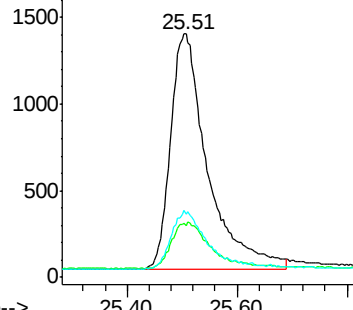
277 23.5 19.9 29.9



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: BE097033.D

Acq: 23 Jul 2018 12:13

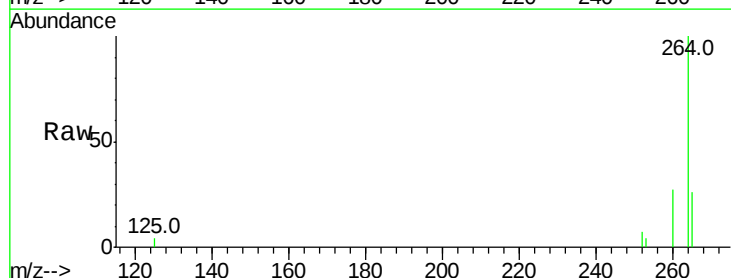
Tgt Ion:264 Resp: 5877

Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

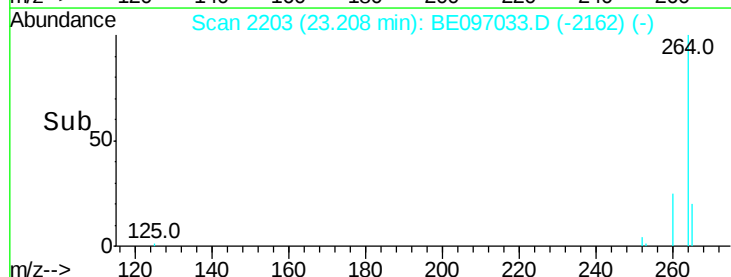
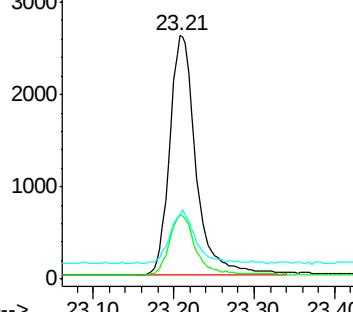
265 26.2 22.8 34.2

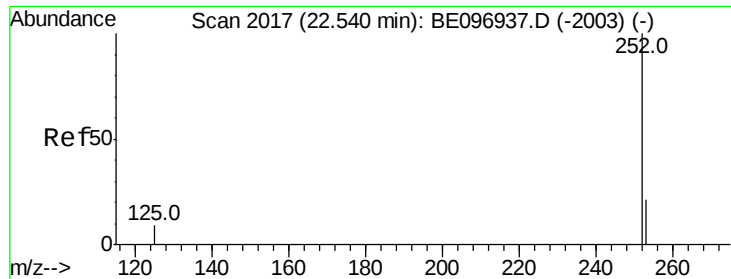


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.403 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

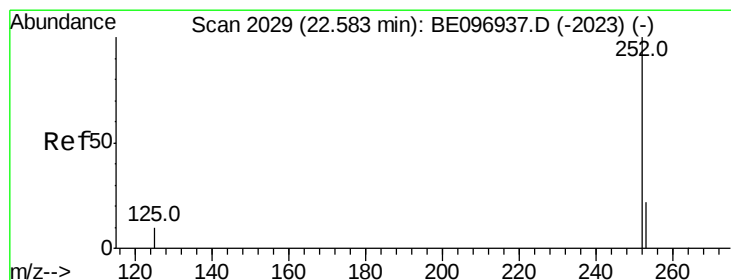
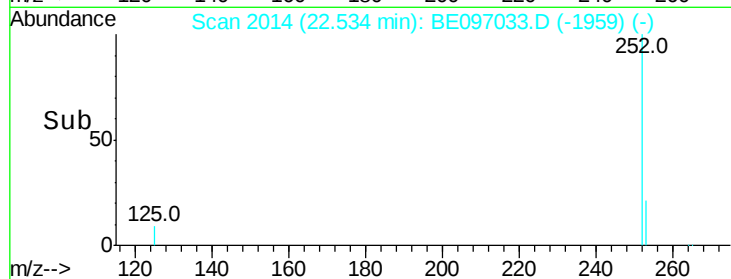
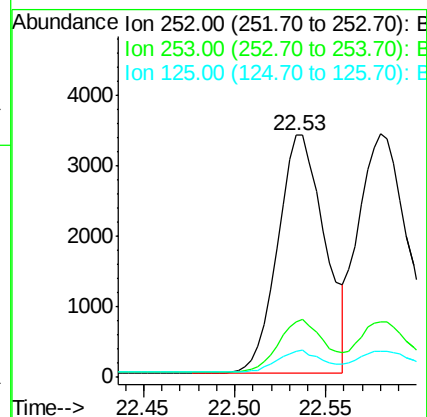
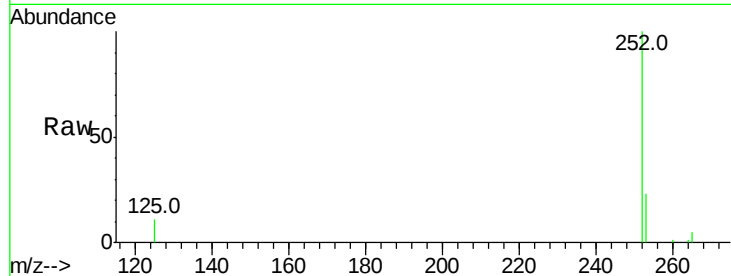
Tot Ion:252 Resp: 6049

Ion Ratio Lower Upper

252 100

253 23.1 20.0 30.0

125 10.7 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.410 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

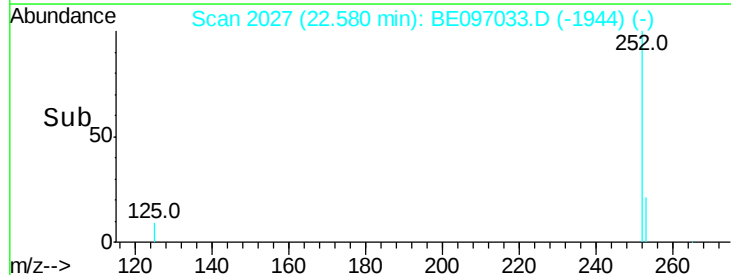
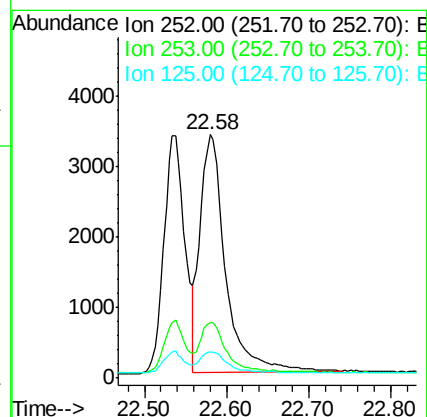
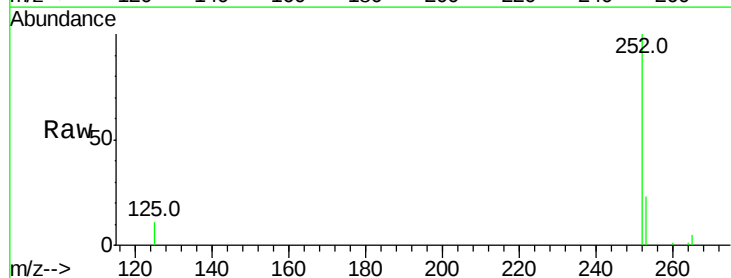
Tgt Ion:252 Resp: 7316

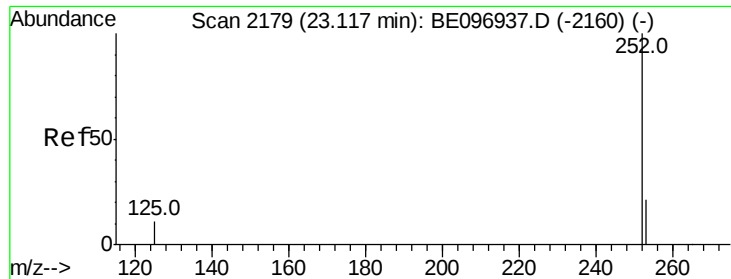
Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

125 10.7 8.0 12.0

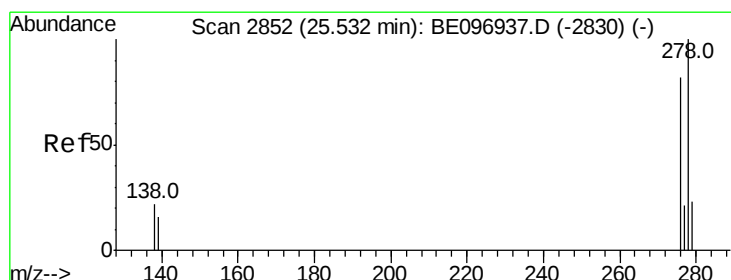
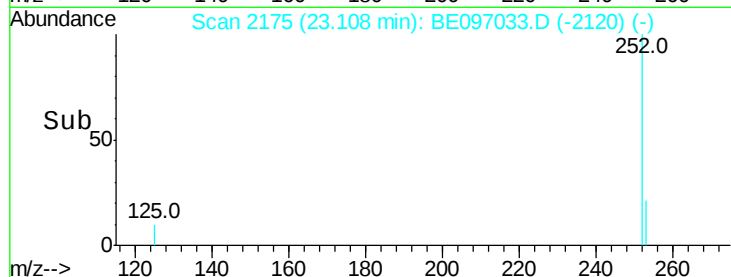
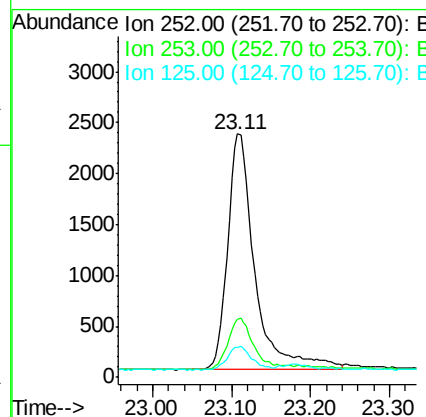
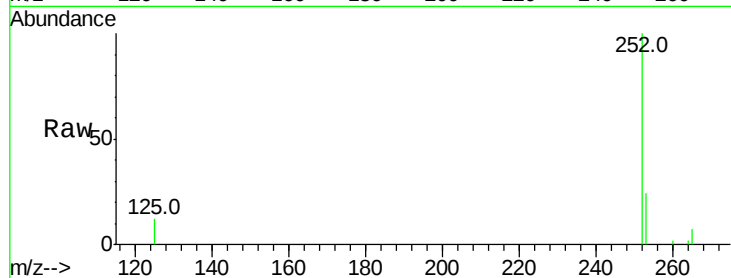




#37
Benzo(a)pyrene
Concen: 0.428 ng
RT: 23.11 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BE097033.D
Acq: 23 Jul 2018 12:13

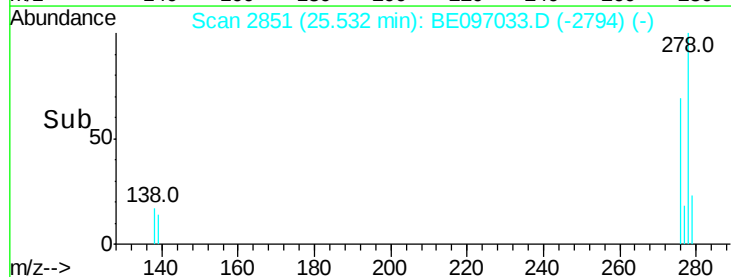
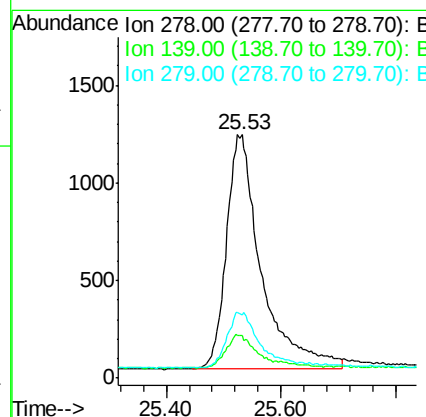
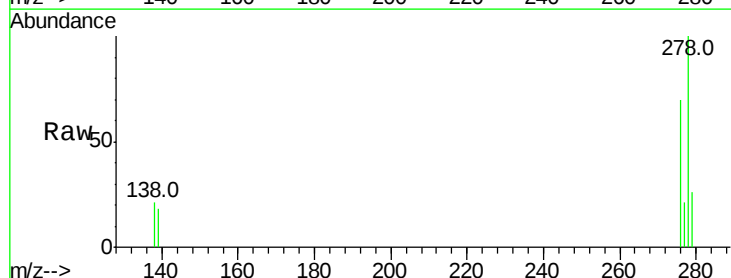
Instrument :
BNA_E
ClientSampleId :
PB111327BS

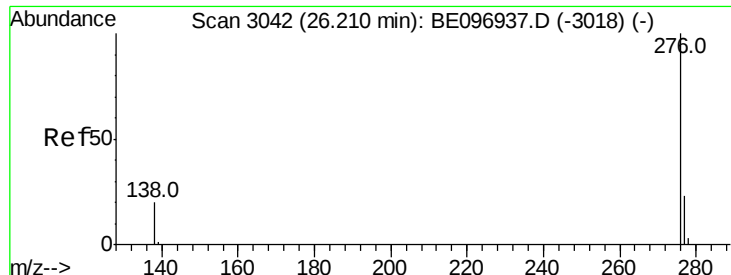
Tot Ion:252 Resp: 5577
Ion Ratio Lower Upper
252 100
253 23.7 16.0 24.0
125 12.5 12.0 18.0



#38
Dibenzo(a,h)anthracene
Concen: 0.466 ng
RT: 25.53 min Scan# 2851
Delta R.T. 0.00 min
Lab File: BE097033.D
Acq: 23 Jul 2018 12:13

Tgt Ion:278 Resp: 5103
Ion Ratio Lower Upper
278 100
139 17.6 16.0 24.0
279 26.0 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 0.474 ng

RT: 26.20 min Scan# 3039

Delta R.T. 0.00 min

Lab File: BE097033.D

Acq: 23 Jul 2018 12:13

Instrument :

BNA_E

ClientSampleId :

PB111327BS

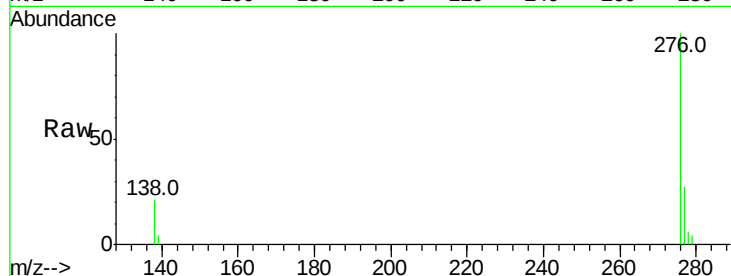
Tot Ion:276 Resp: 5780

Ion Ratio Lower Upper

276 100

277 26.8 16.0 24.0#

138 20.7 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

