

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097098.D
 Acq On : 25 Jul 2018 8:14
 Operator : SJ/JU
 Sample : PB111338BS
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111338BS

Quant Time: Jul 25 08:53:12 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	1264	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6097	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3652	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10084	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9729	0.40	ng	0.00
34) Perylene-d12	23.21	264	9344	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1434	0.40	ng	0.00
5) Phenol-d6	6.60	99	2089	0.40	ng	0.00
8) Nitrobenzene-d5	8.52	82	2147	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3499	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	487	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5263	0.42	ng	0.00
25) Fluoranthene-d10	18.81	212	40387	0.40	ng	0.00
29) Terphenyl-d14	19.43	244	7575	0.41	ng	0.00

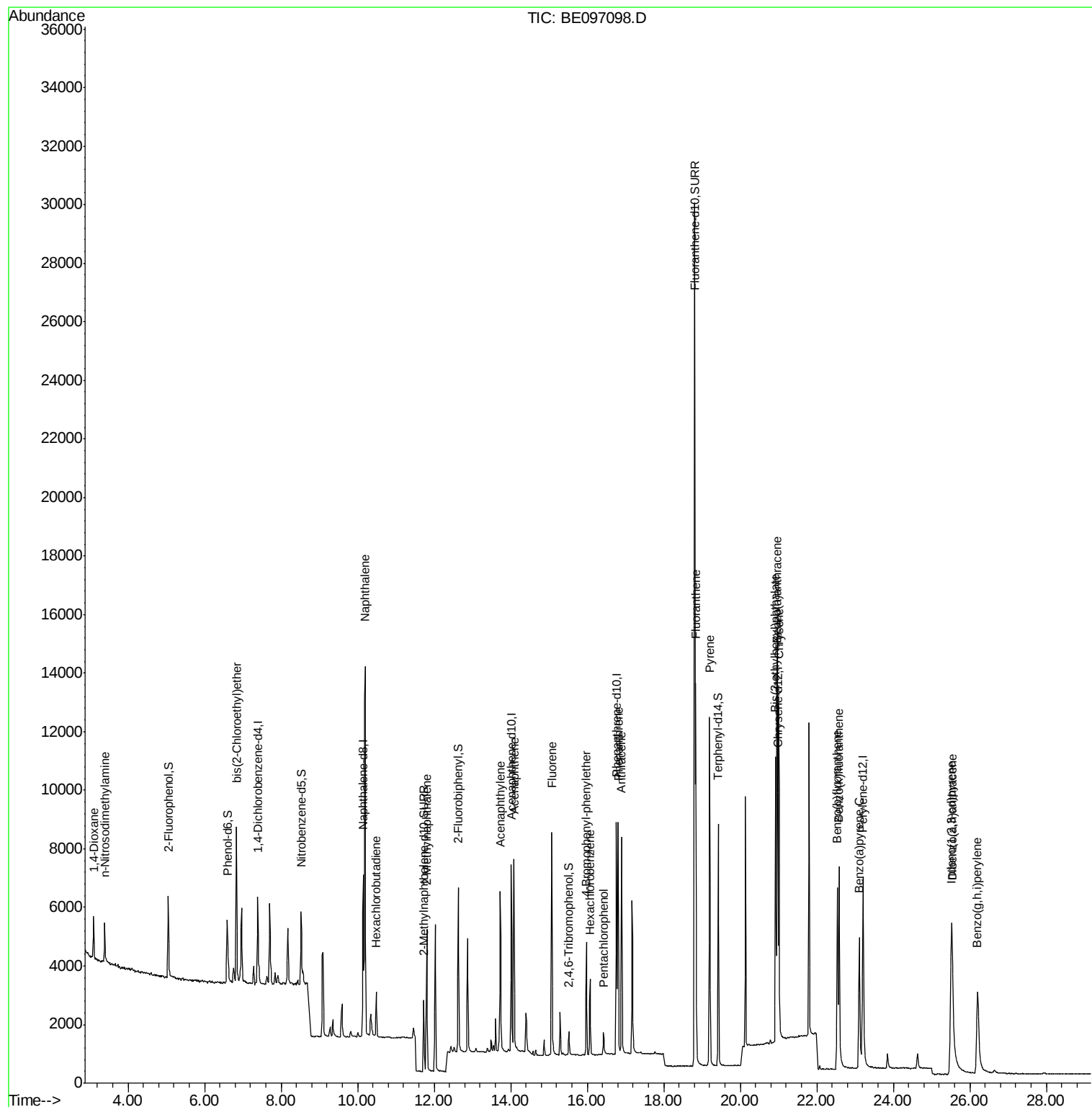
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	825	0.411	ng	# 88
3) n-Nitrosodimethylamine	3.38	42	1001	0.446	ng	# 87
6) bis(2-Chloroethyl)ether	6.84	93	1901	0.400	ng	95
9) Naphthalene	10.20	128	22083	0.404	ng	100
10) Hexachlorobutadiene	10.48	225	1037	0.423	ng	97
12) 2-Methylnaphthalene	11.81	142	3655	0.389	ng	99
16) Acenaphthylene	13.73	152	6537	0.399	ng	99
17) Acenaphthene	14.08	154	3780	0.397	ng	# 92
18) Fluorene	15.08	166	5108	0.406	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	1952	0.399	ng	90
21) Hexachlorobenzene	16.08	284	2131	0.405	ng	# 82
22) Pentachlorophenol	16.43	266	483	0.396	ng	# 77
23) Phenanthrene	16.81	178	9648	0.401	ng	98
24) Anthracene	16.89	178	8470	0.394	ng	95
26) Fluoranthene	18.84	202	10983	0.407	ng	98
28) Pyrene	19.20	202	10949	0.410	ng	99
30) Benzo(a)anthracene	20.95	228	9439	0.390	ng	97
31) Chrysene	21.00	228	10646	0.410	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	11069	0.432	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10057	0.428	ng	# 94
35) Benzo(b)fluoranthene	22.53	252	8063	0.340	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	10294	0.372	ng	94
37) Benzo(a)pyrene	23.11	252	8128	0.364	ng	# 92
38) Dibenzo(a,h)anthracene	25.53	278	8429	0.378	ng	97
39) Benzo(g,h,i)perylene	26.20	276	8546	0.362	ng	# 90

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

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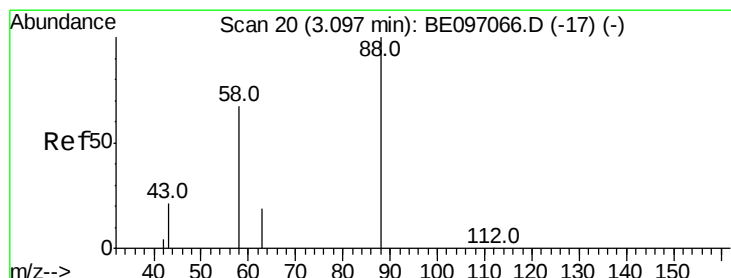
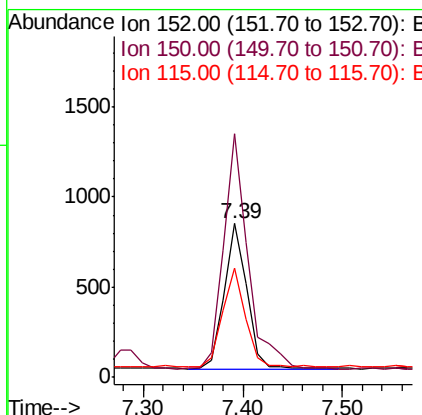
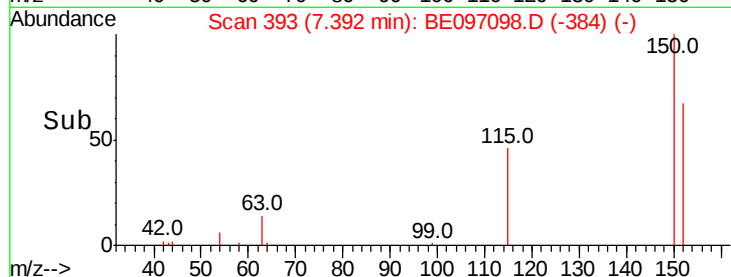
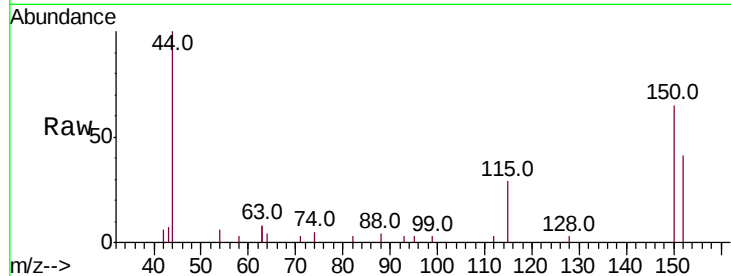




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: BE097098.D
 Acq: 25 Jul 2018 8:14

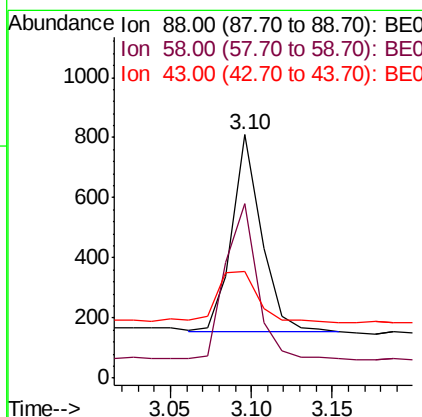
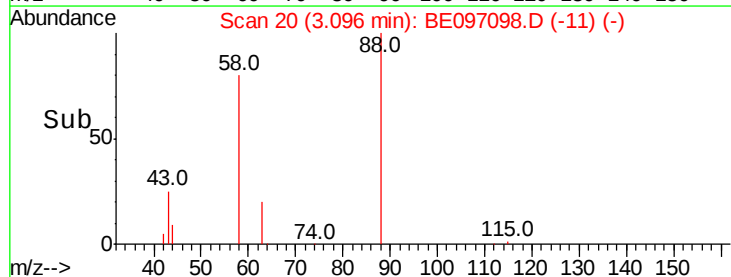
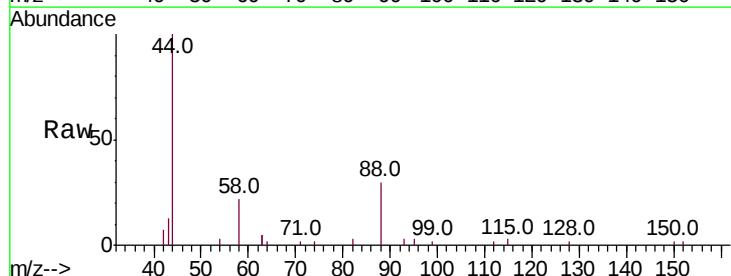
Instrument :
 BNA_E
 ClientSampleId :
 PB111338BS

Tot Ion:152 Resp: 1264
 Ion Ratio Lower Upper
 152 100
 150 158.4 117.2 175.8
 115 71.4 57.0 85.6



#2
 1,4-Dioxane
 Concen: 0.411 ng
 RT: 3.10 min Scan# 20
 Delta R.T. -0.00 min
 Lab File: BE097098.D
 Acq: 25 Jul 2018 8:14

Tgt Ion: 88 Resp: 825
 Ion Ratio Lower Upper
 88 100
 58 84.6 63.2 94.8
 43 37.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.446 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

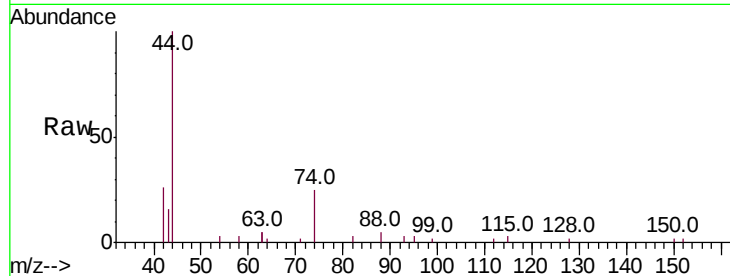
Tot Ion: 42 Resp: 1001

Ion Ratio Lower Upper

42 100

74 105.2 96.0 144.0

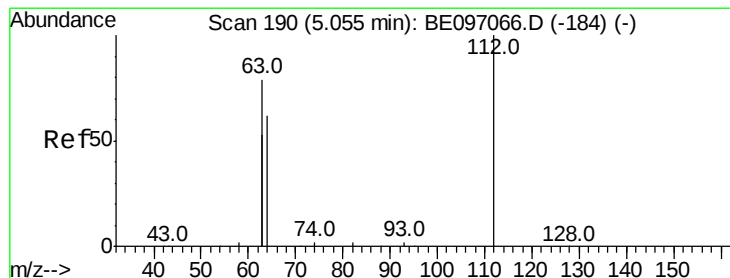
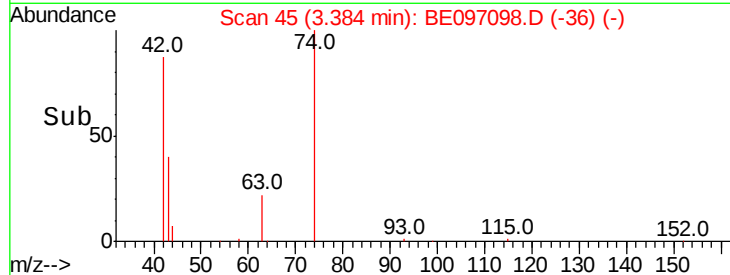
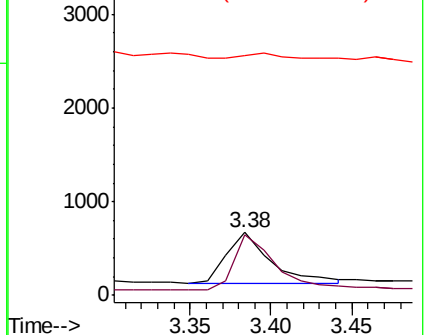
44 10.3 12.0 18.0#



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: 0.404 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

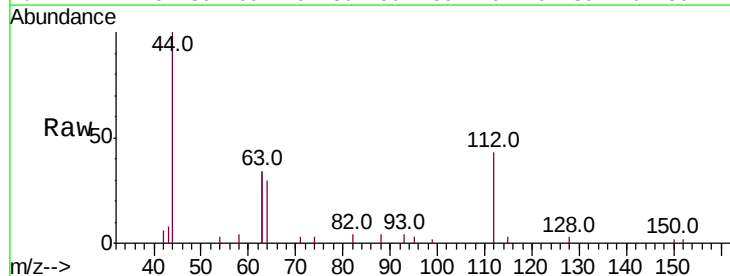
Tgt Ion: 112 Resp: 1434

Ion Ratio Lower Upper

112 100

64 68.3 60.1 90.1

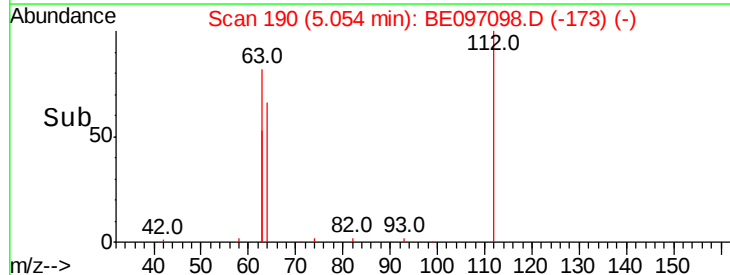
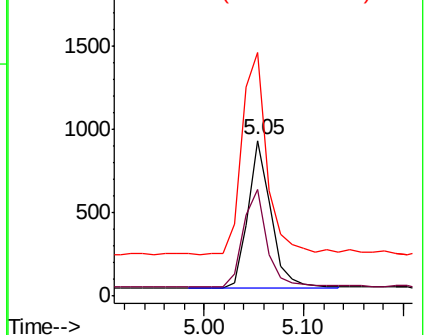
63 147.4 116.8 175.2

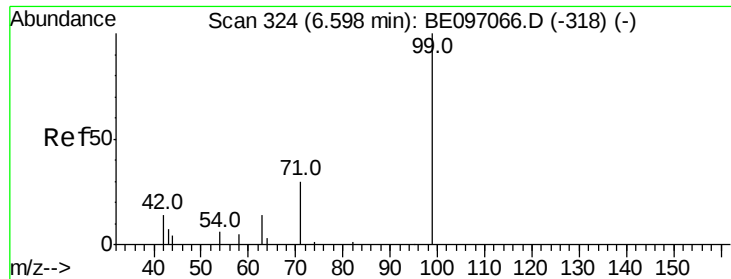


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.401 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

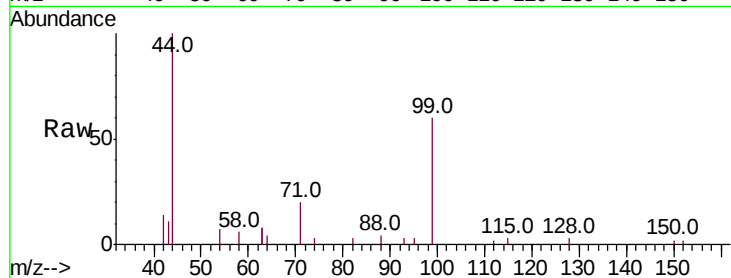
Tot Ion: 99 Resp: 2089

Ion Ratio Lower Upper

99 100

42 23.6 20.2 30.2

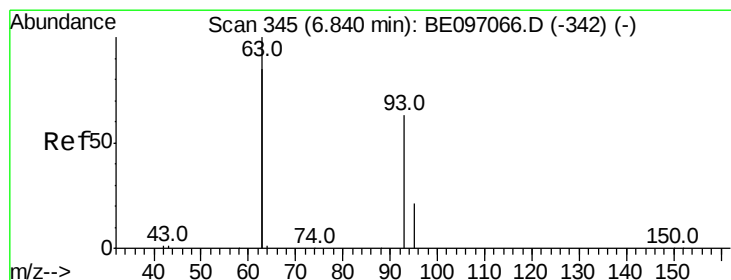
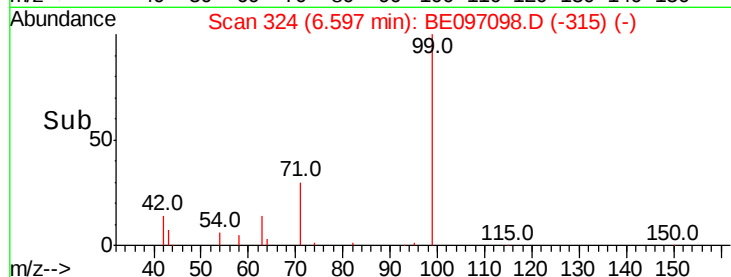
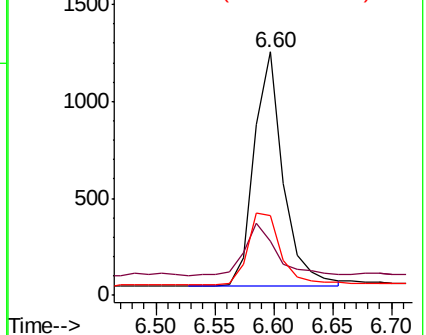
71 35.0 28.4 42.6



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: 0.400 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

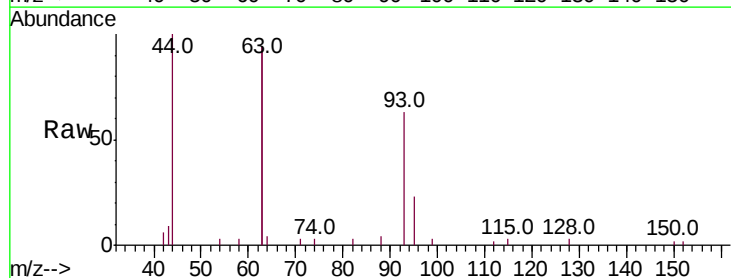
Tgt Ion: 93 Resp: 1901

Ion Ratio Lower Upper

93 100

63 332.1 275.3 412.9

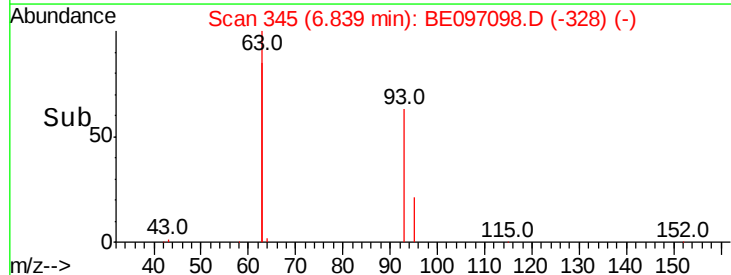
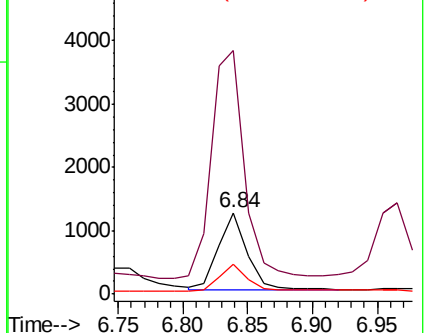
95 32.5 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

Tot Ion:136 Resp: 6097

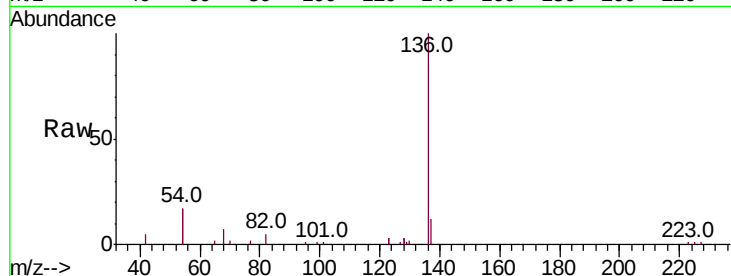
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 33.7 29.1 43.7

68 6.7 6.2 9.2

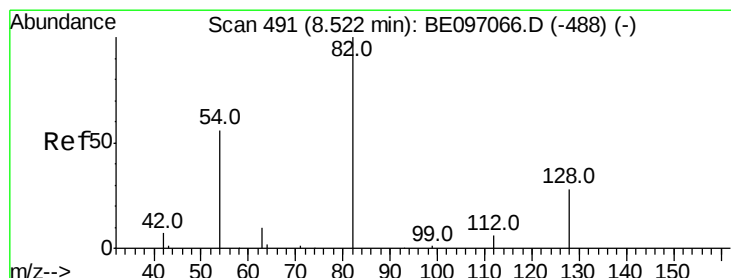
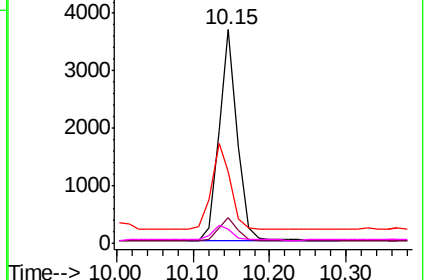
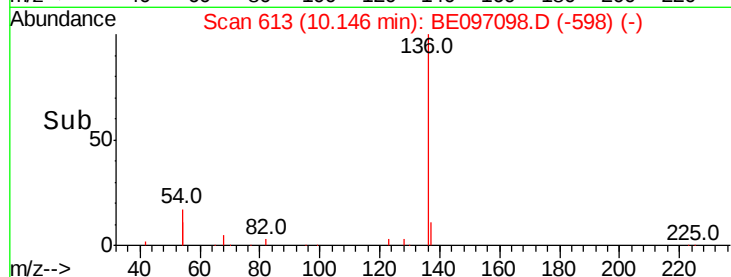


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.405 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

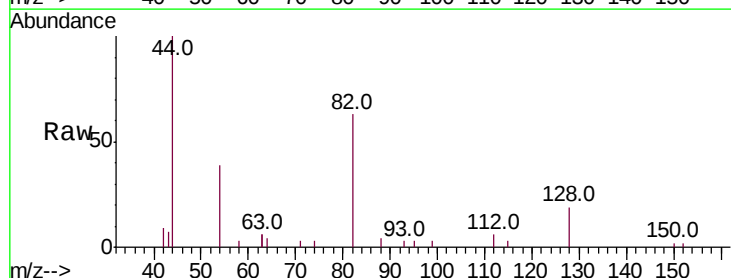
Tgt Ion: 82 Resp: 2147

Ion Ratio Lower Upper

82 100

128 29.6 24.0 36.0

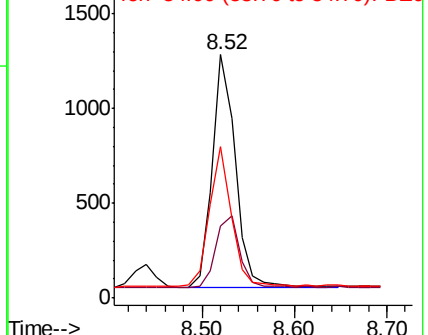
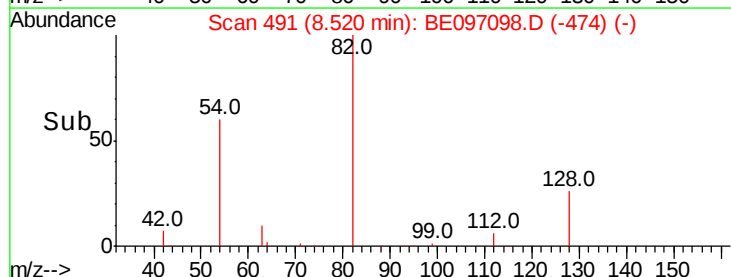
54 62.1 40.0 60.0#



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: 0.404 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

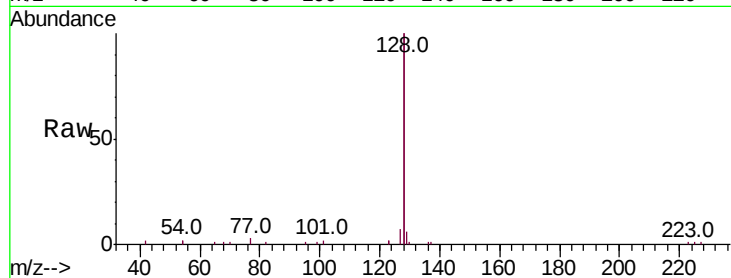
Tot Ion:128 Resp: 22083

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

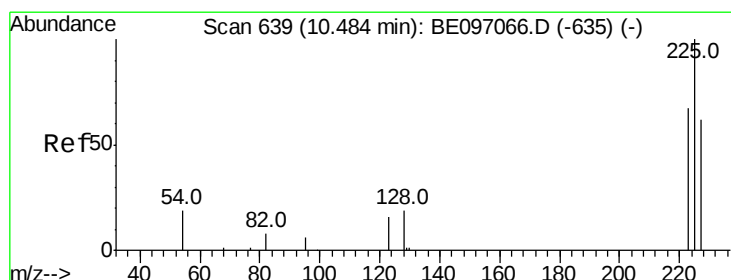
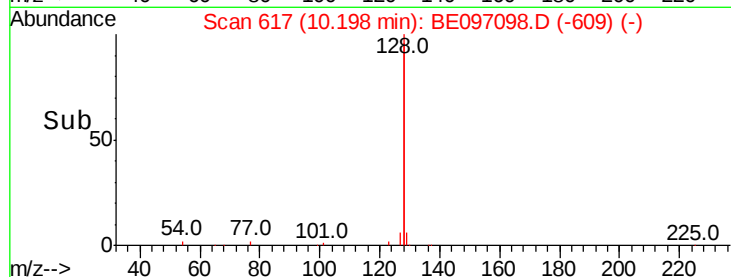
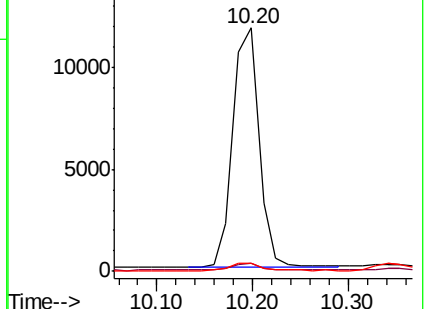
127 3.5 2.8 4.2



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: 0.423 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

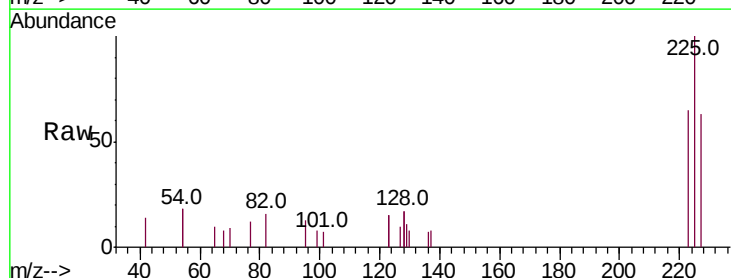
Tgt Ion:225 Resp: 1037

Ion Ratio Lower Upper

225 100

223 62.5 53.0 79.6

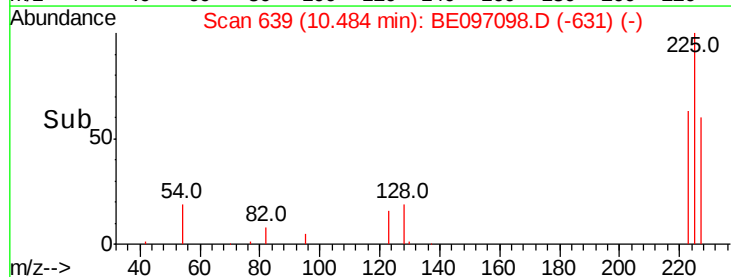
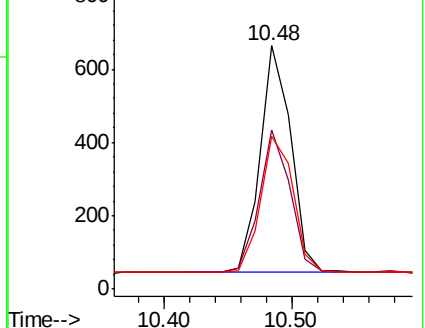
227 63.1 51.4 77.2

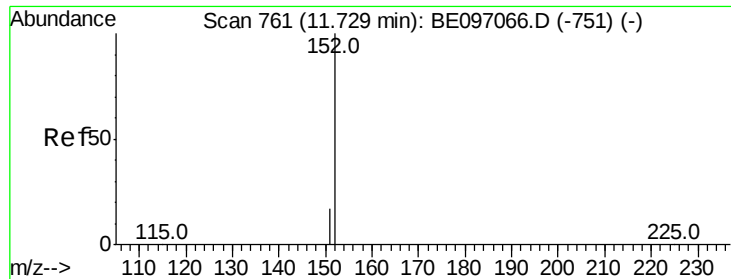


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.383 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

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ClientSampleId :

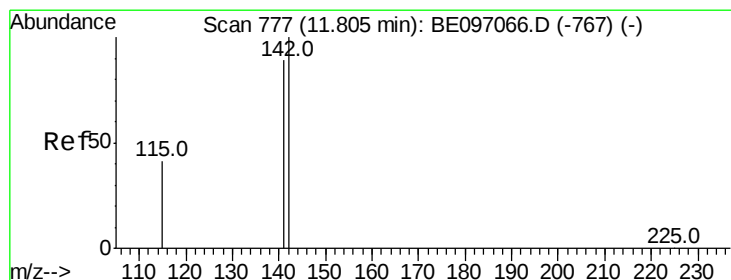
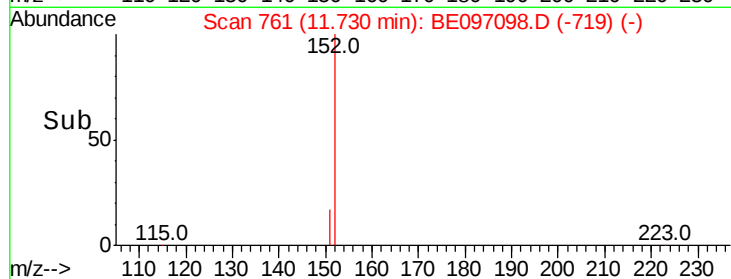
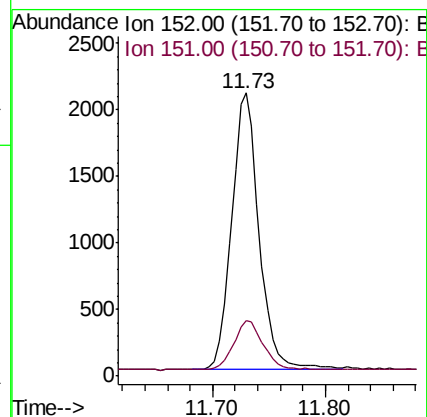
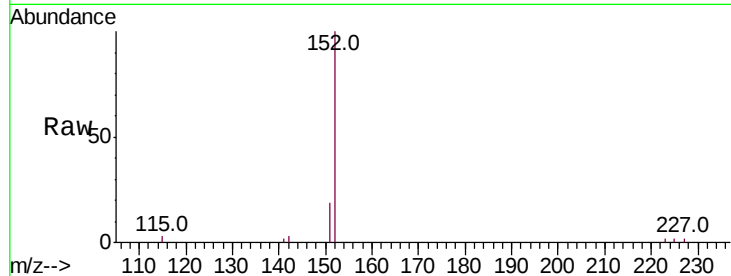
PB111338BS

Tot Ion:152 Resp: 3499

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.389 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

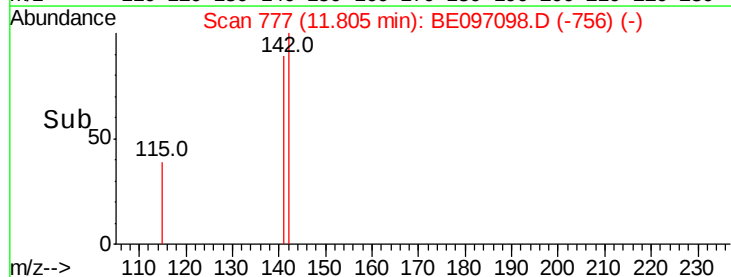
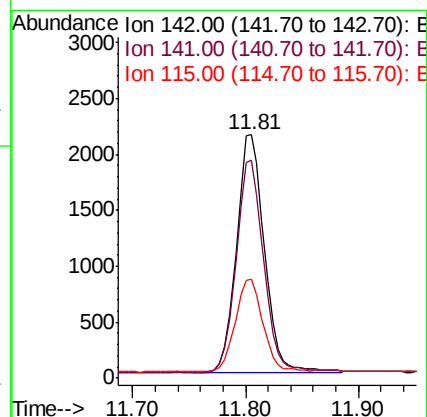
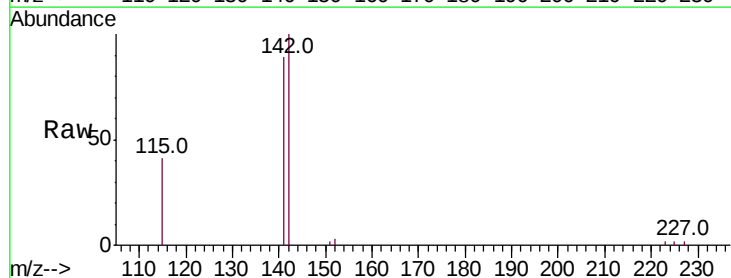
Tgt Ion:142 Resp: 3655

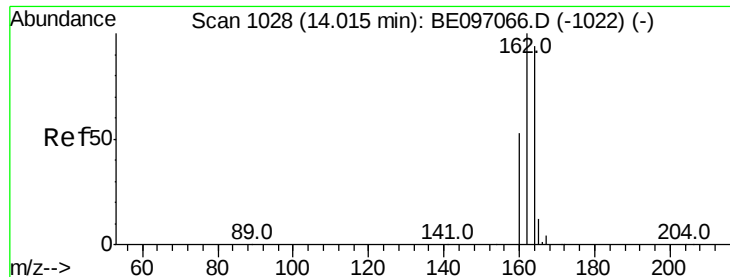
Ion Ratio Lower Upper

142 100

141 89.4 70.4 105.6

115 40.5 31.7 47.5

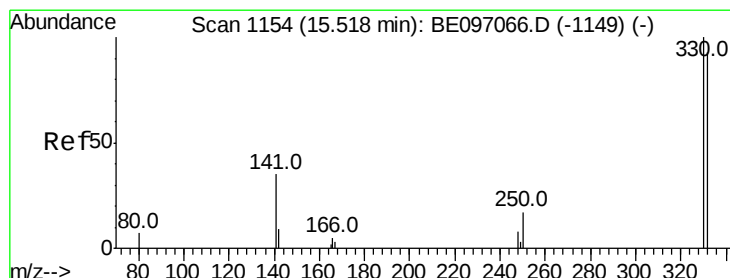
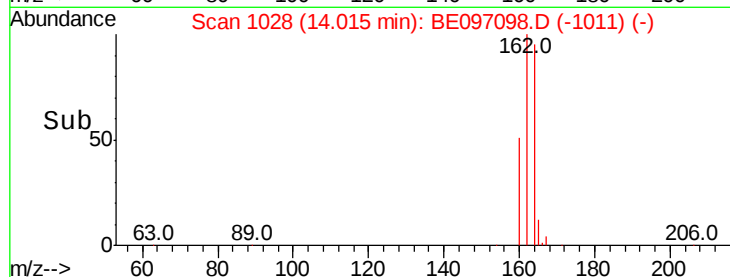
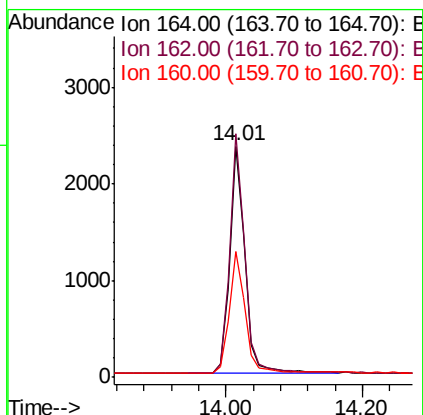
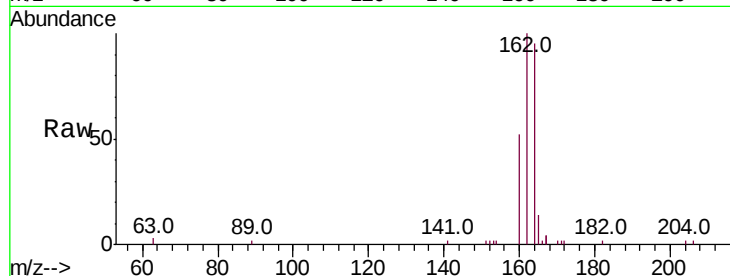




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE097098.D
 Acq: 25 Jul 2018 8:14

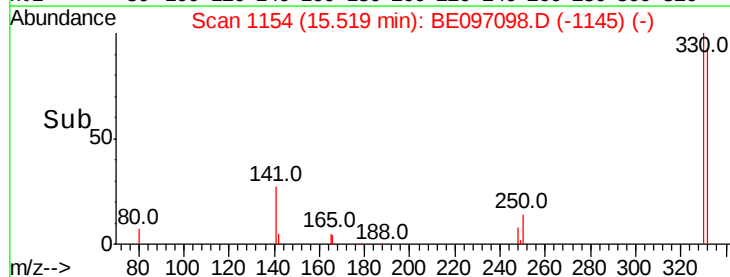
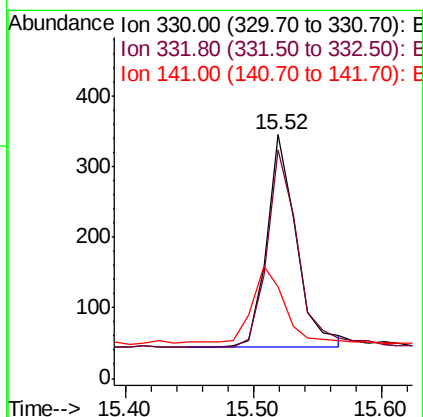
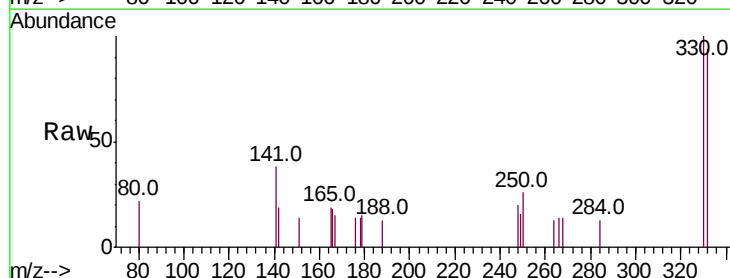
Instrument :
 BNA_E
 ClientSampleId :
 PB111338BS

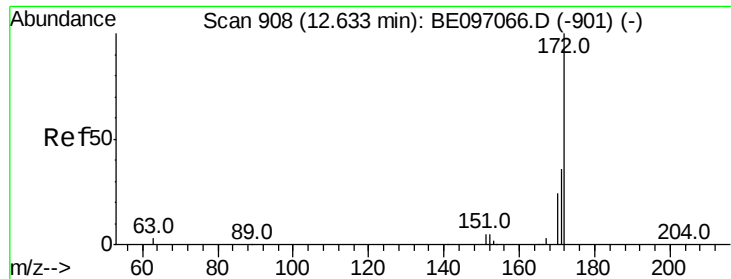
Tot Ion:164 Resp: 3652
 Ion Ratio Lower Upper
 164 100
 162 105.4 83.1 124.7
 160 54.5 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.405 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097098.D
 Acq: 25 Jul 2018 8:14

Tgt Ion:330 Resp: 487
 Ion Ratio Lower Upper
 330 100
 332 96.1 152.7 229.1#
 141 41.1 33.7 50.5

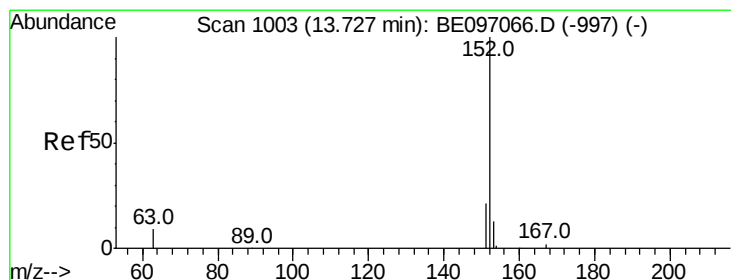
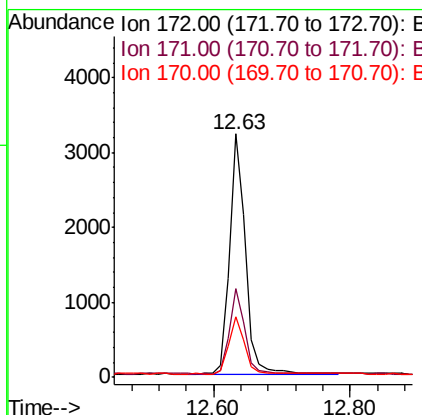
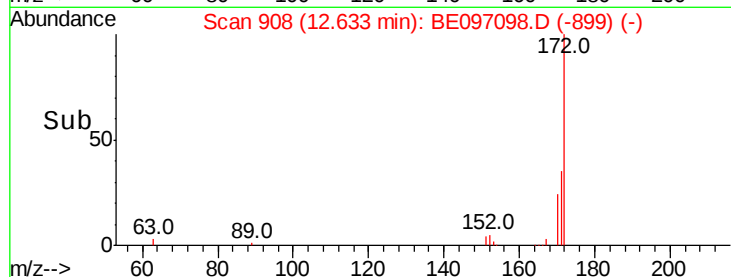
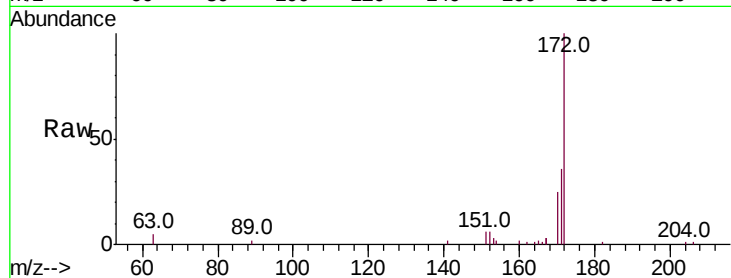




#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

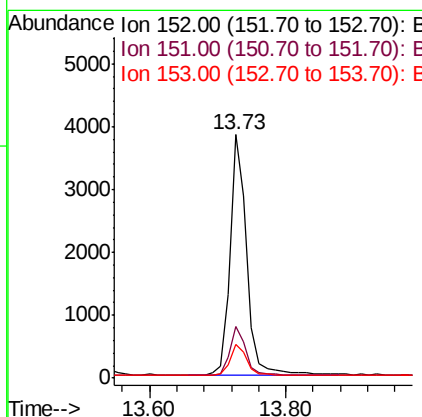
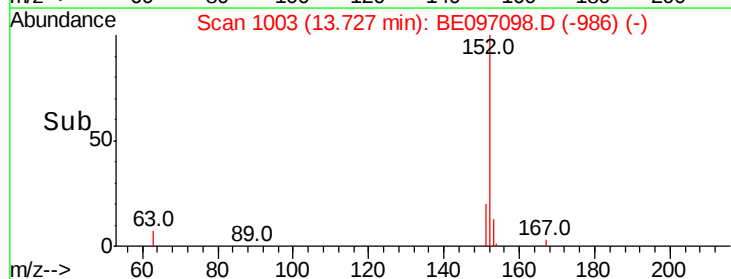
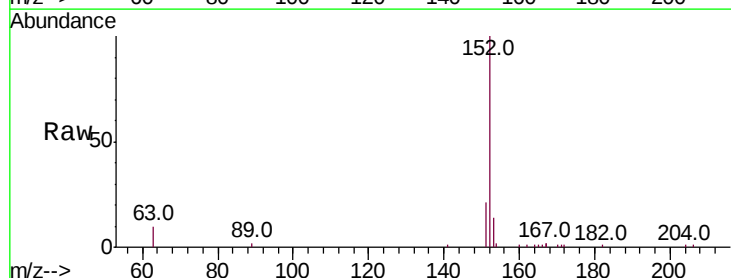
Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tot Ion:172 Resp: 5263
Ion Ratio Lower Upper
172 100
171 36.4 29.9 44.9
170 24.9 21.8 32.8



#16
Acenaphthylene
Concen: 0.399 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:152 Resp: 6537
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.397 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

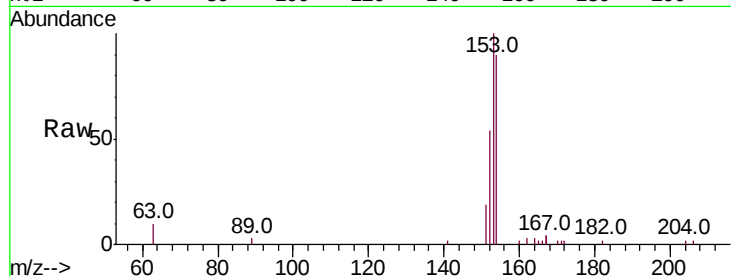
Tot Ion:154 Resp: 3780

Ion Ratio Lower Upper

154 100

153 115.4 89.2 133.8

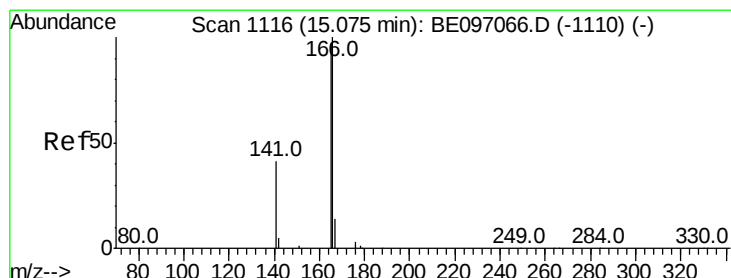
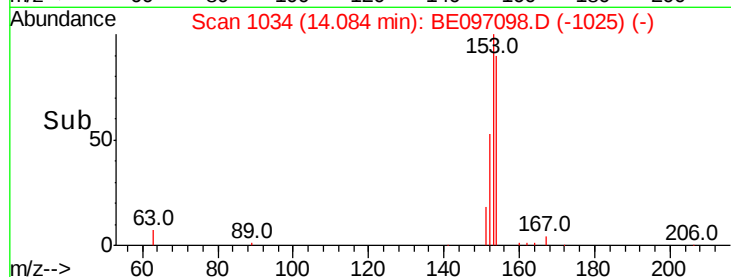
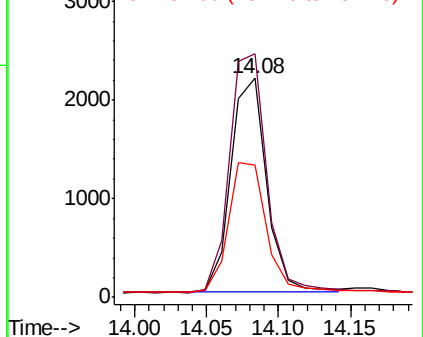
152 63.8 42.0 63.0#



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: 0.406 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

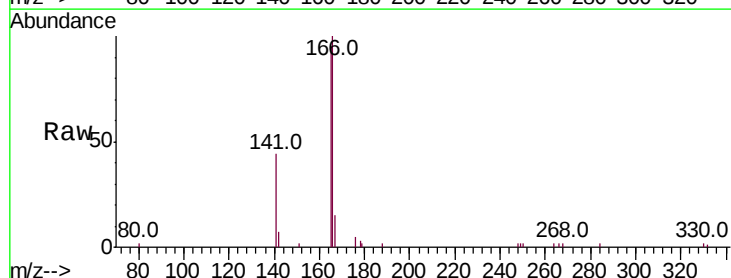
Tgt Ion:166 Resp: 5108

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

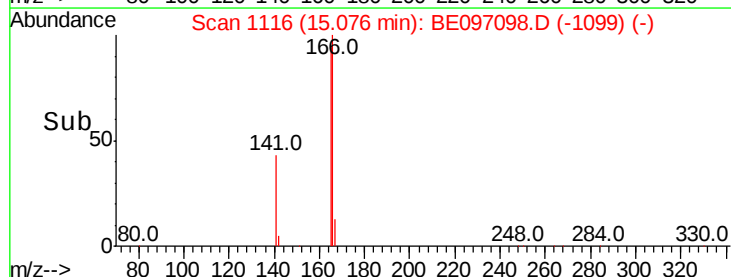
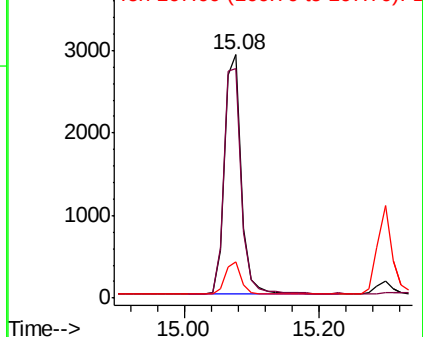
167 13.2 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

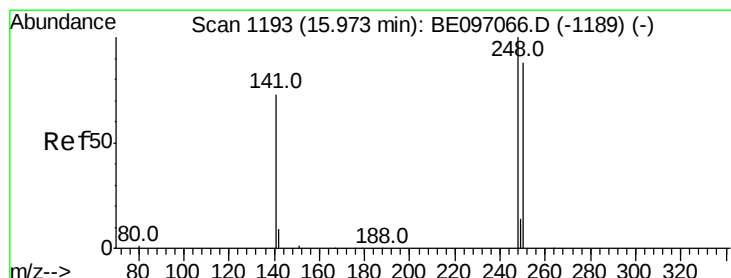
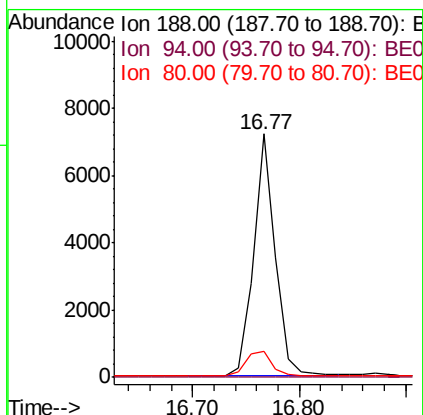
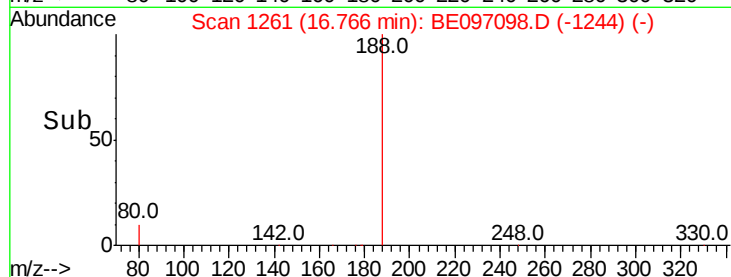
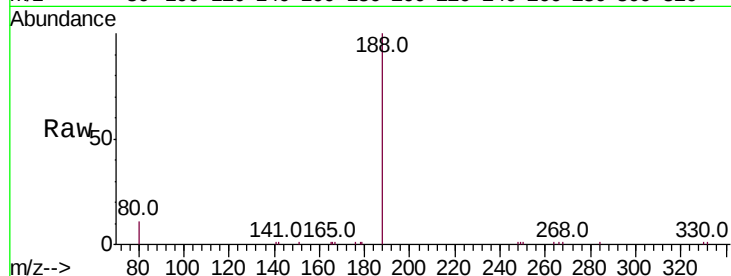
Tot Ion:188 Resp: 10084

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.5 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.399 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

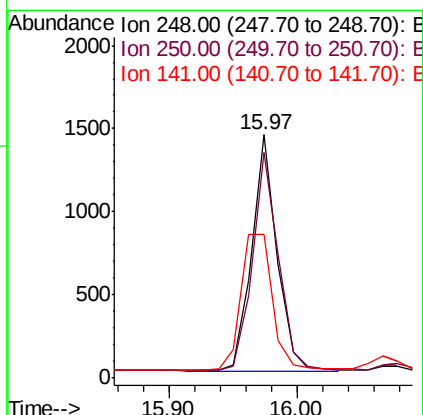
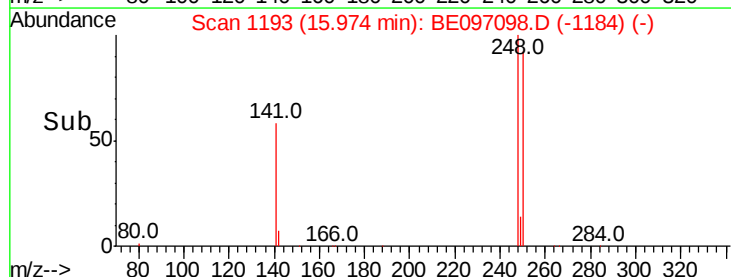
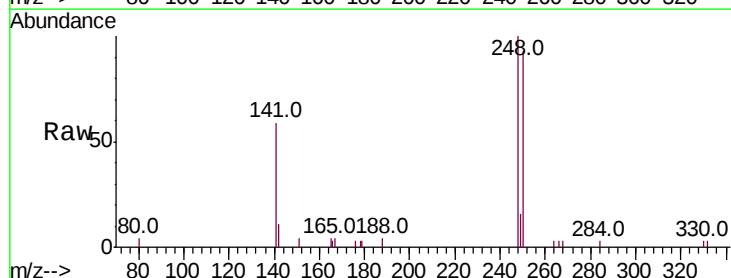
Tgt Ion:248 Resp: 1952

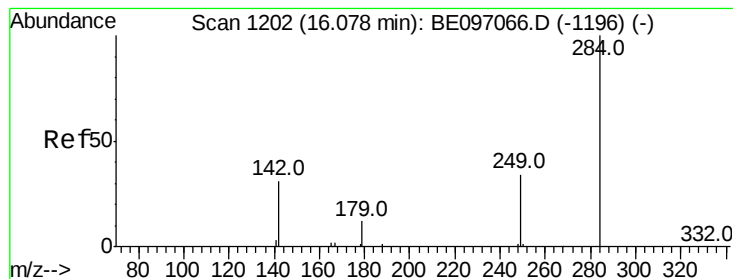
Ion Ratio Lower Upper

248 100

250 92.6 62.7 94.1

141 59.2 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.405 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

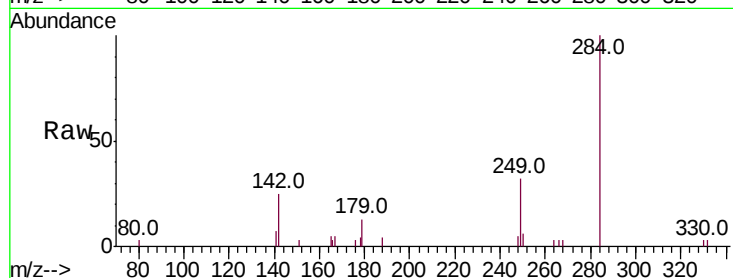
Tot Ion:284 Resp: 2131

Ion Ratio Lower Upper

284 100

142 34.7 22.1 33.1#

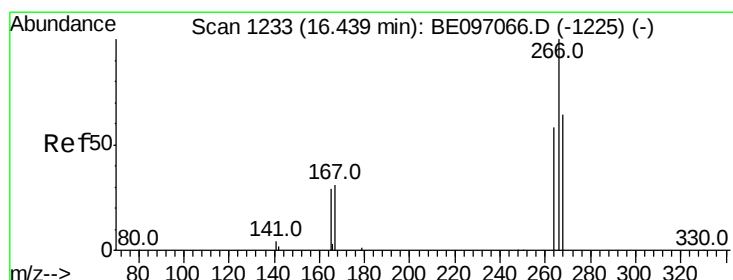
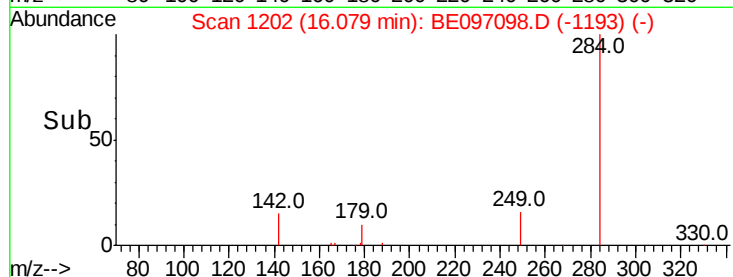
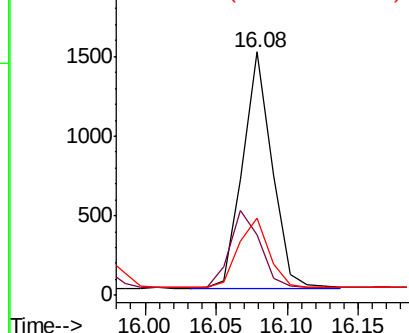
249 30.6 34.8 52.2#



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: 0.396 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

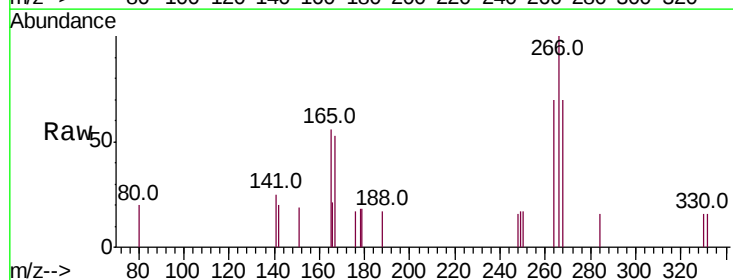
Tgt Ion:266 Resp: 483

Ion Ratio Lower Upper

266 100

264 70.0 72.5 108.7#

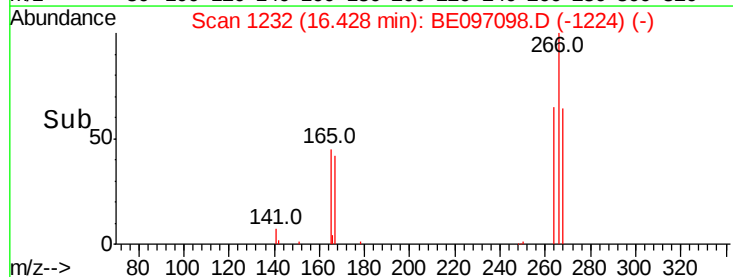
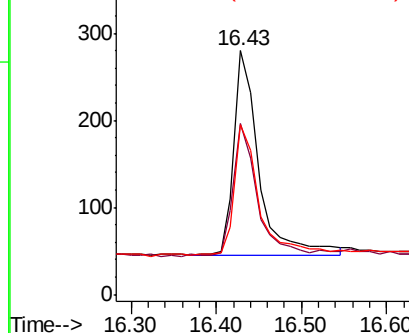
268 69.6 73.8 110.6#

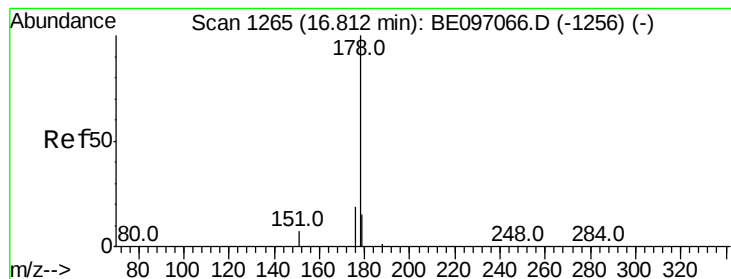


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.401 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

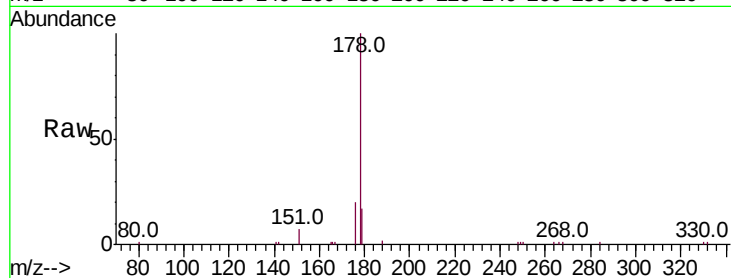
Tot Ion:178 Resp: 9648

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

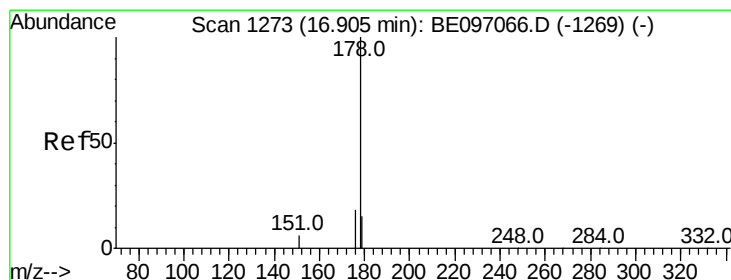
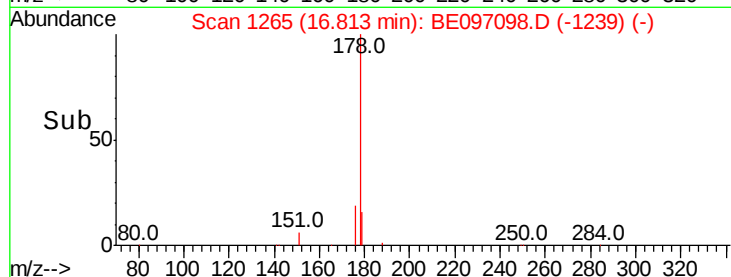
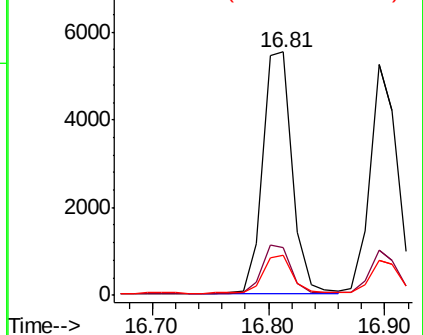
179 15.4 11.8 17.6



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: 0.394 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

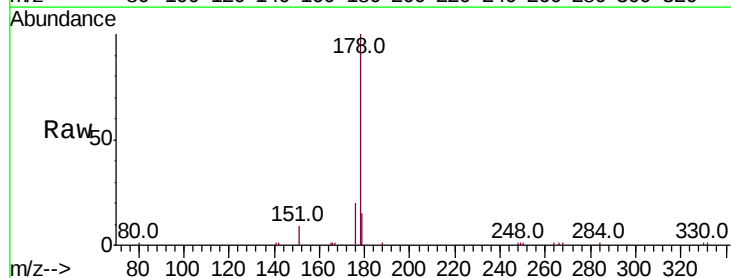
Tgt Ion:178 Resp: 8470

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

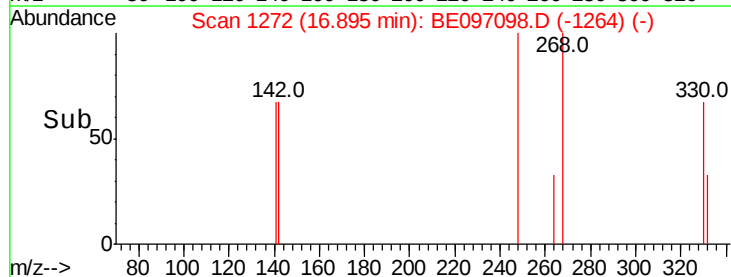
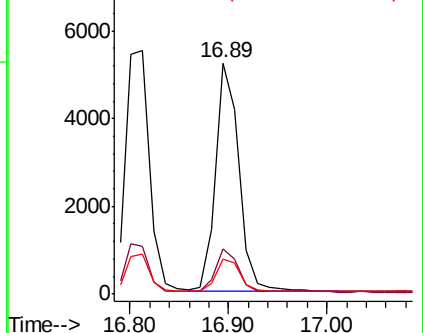
179 15.1 13.0 19.6



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: 0.400 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

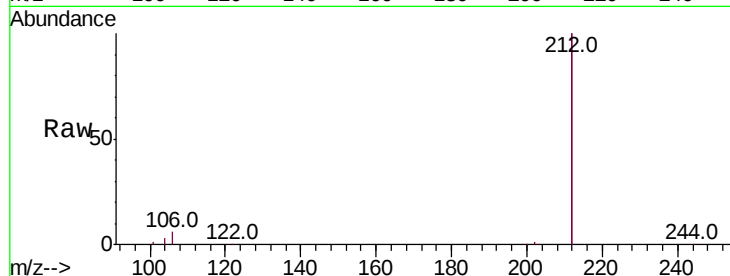
Tot Ion:212 Resp: 40387

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

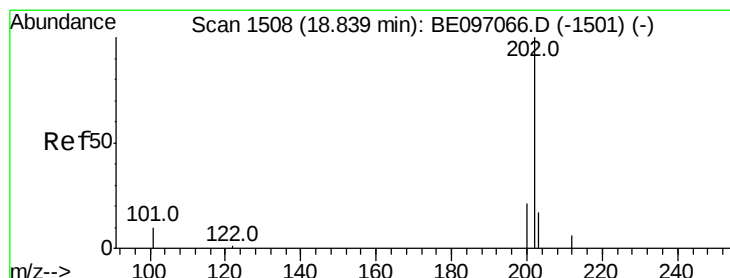
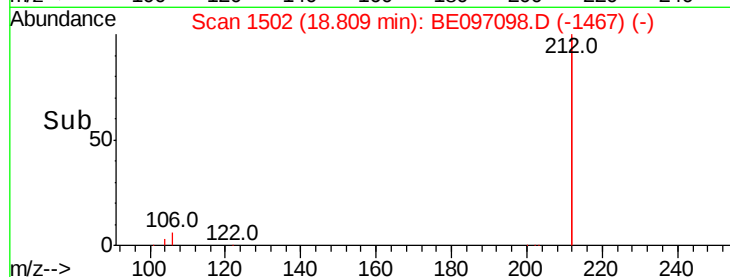
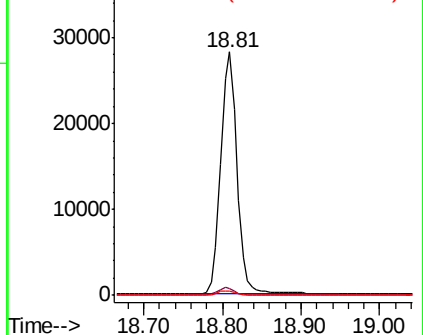
104 1.7 1.6 2.4



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: 0.407 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

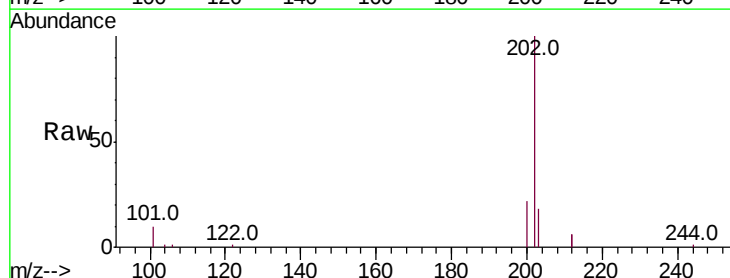
Tgt Ion:202 Resp: 10983

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

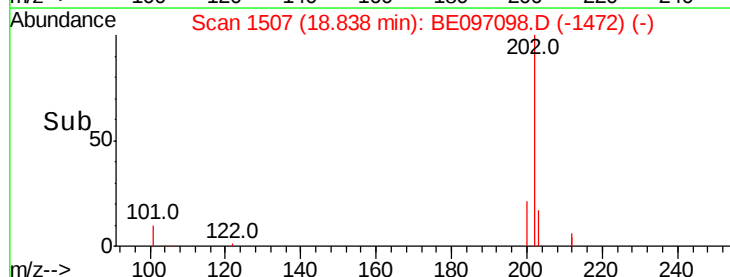
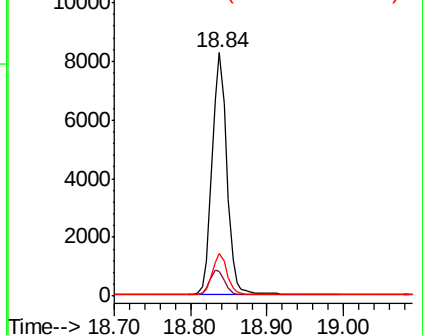
203 17.1 13.7 20.5



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# 1787

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

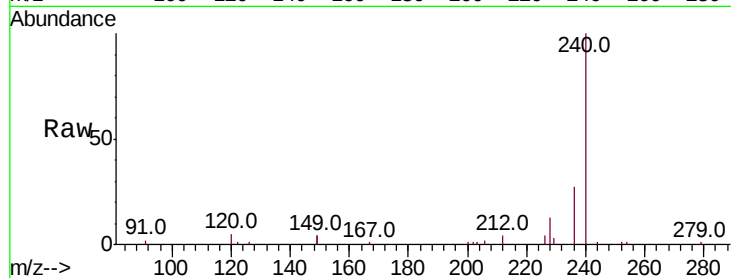
Tot Ion:240 Resp: 9729

Ion Ratio Lower Upper

240 100

120 4.6 5.5 8.3#

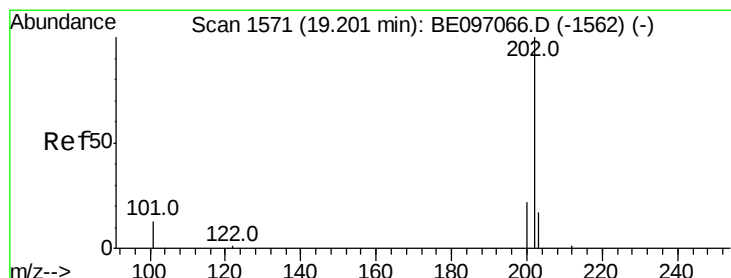
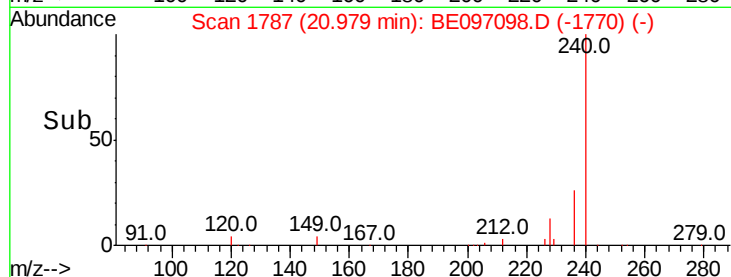
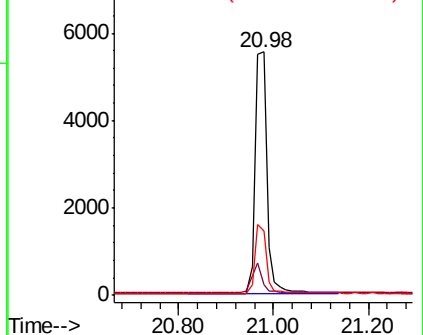
236 26.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.410 ng

RT: 19.20 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

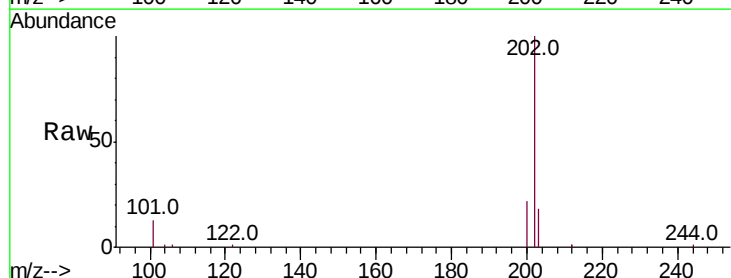
Tgt Ion:202 Resp: 10949

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

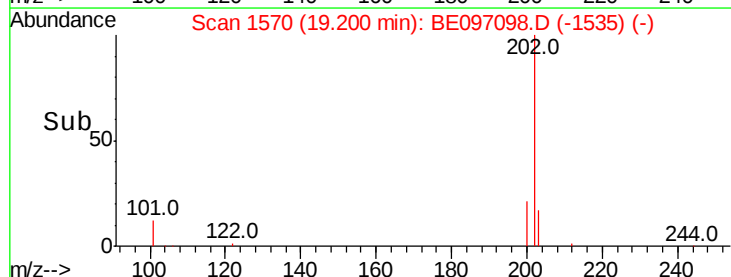
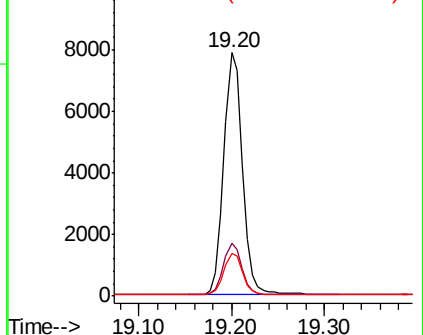
203 17.4 13.8 20.8



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: 0.405 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

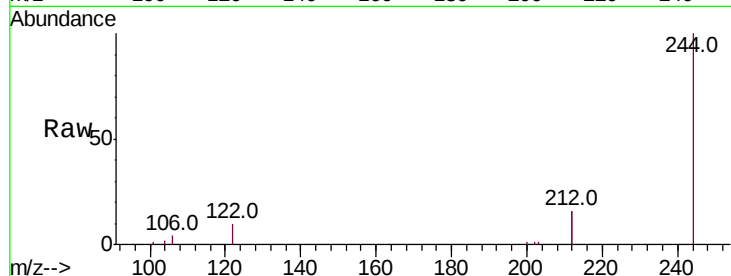
Tot Ion:244 Resp: 7575

Ion Ratio Lower Upper

244 100

212 32.6 25.4 38.0

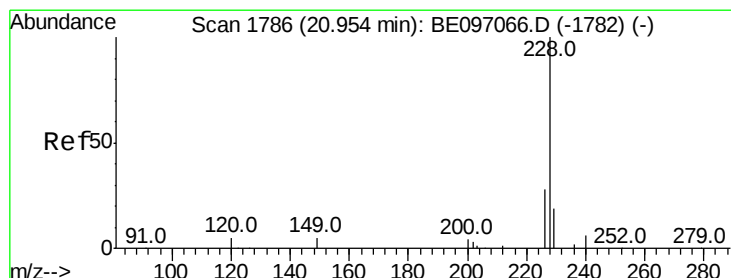
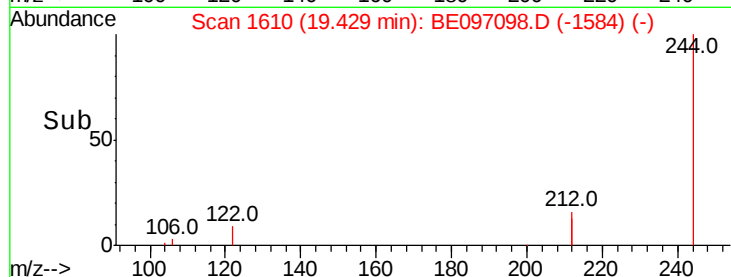
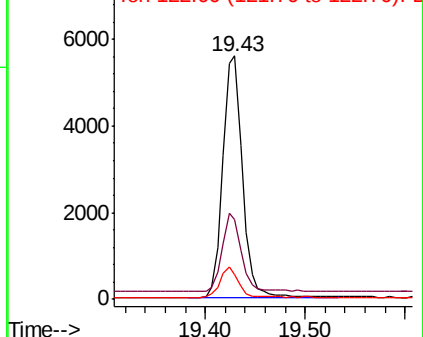
122 9.9 8.1 12.1



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: 0.390 ng

RT: 20.95 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

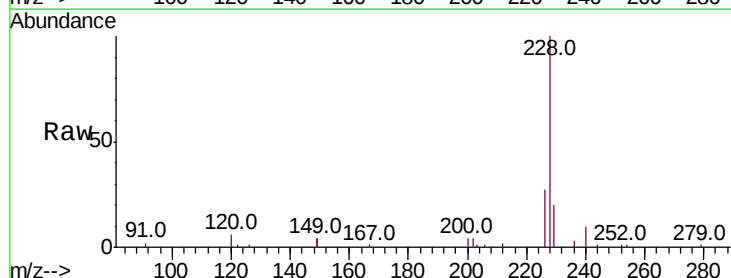
Tgt Ion:228 Resp: 9439

Ion Ratio Lower Upper

228 100

226 27.4 24.0 36.0

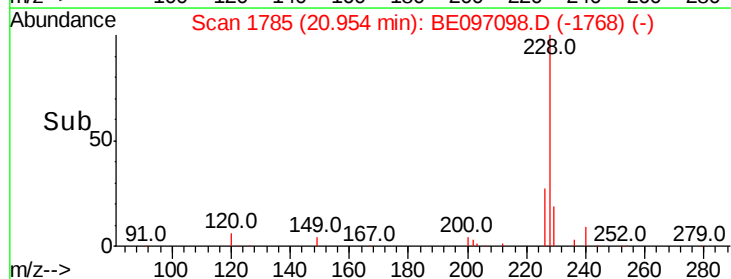
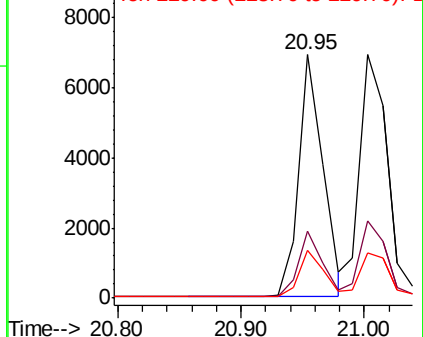
229 19.6 16.0 24.0



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: 0.410 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

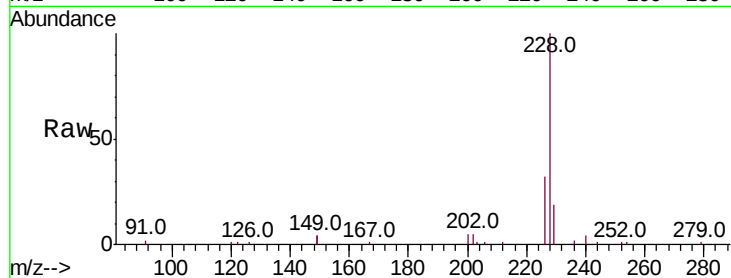
Tot Ion:228 Resp: 10646

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

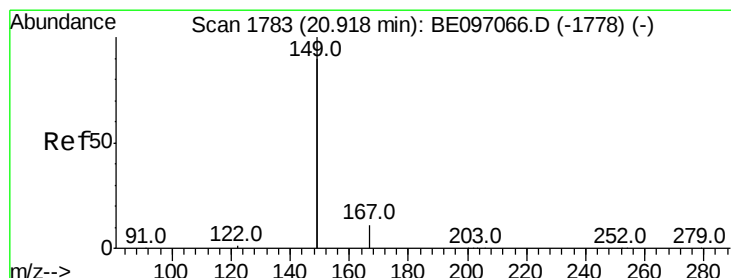
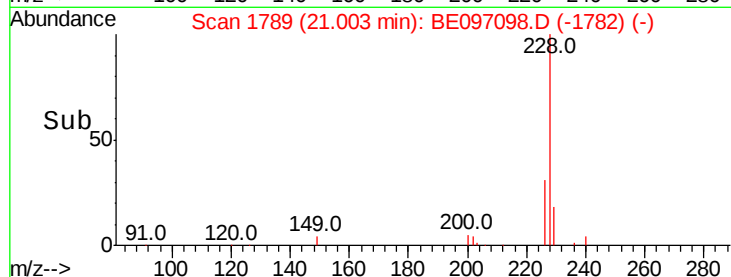
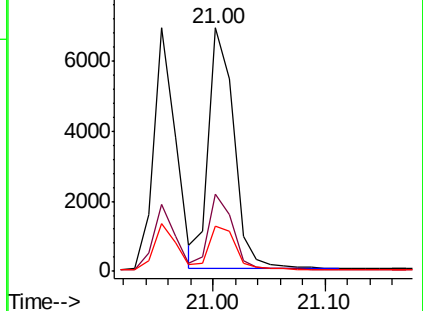
229 18.6 16.0 24.0



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: 0.432 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

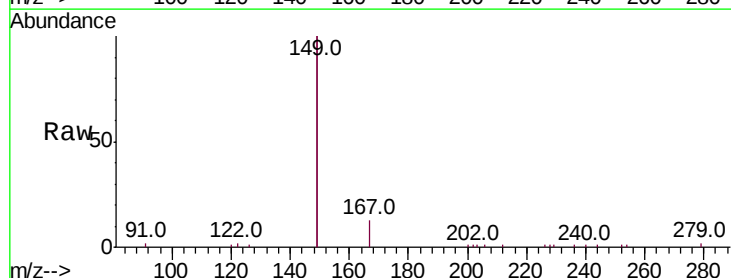
Tgt Ion:149 Resp: 11069

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

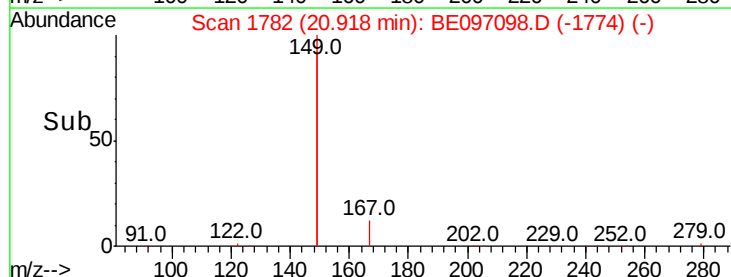
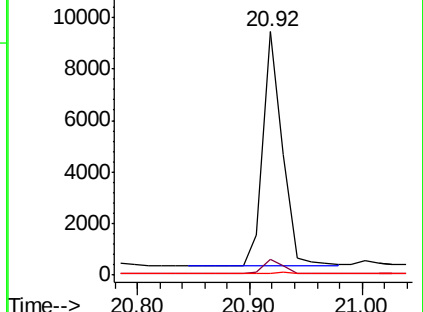
279 0.9 0.7 1.1



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: 0.428 ng

RT: 25.51 min Scan# 2846

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

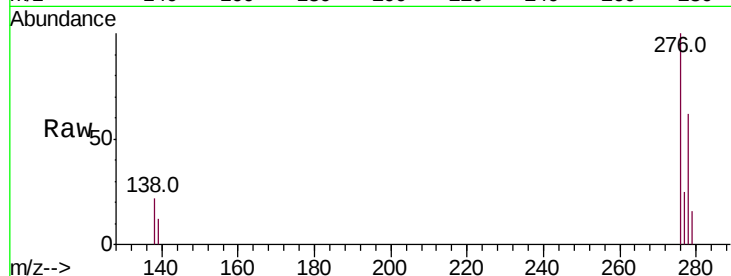
Tot Ion:276 Resp: 10057

Ion Ratio Lower Upper

276 100

138 22.4 22.5 33.7#

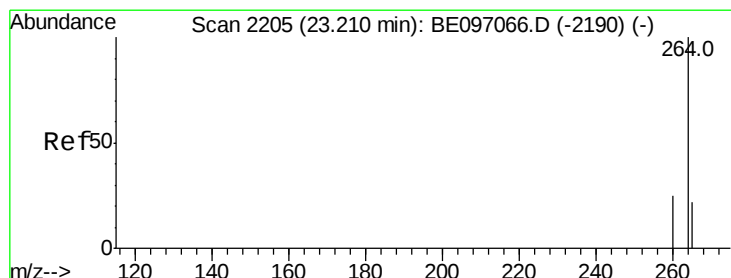
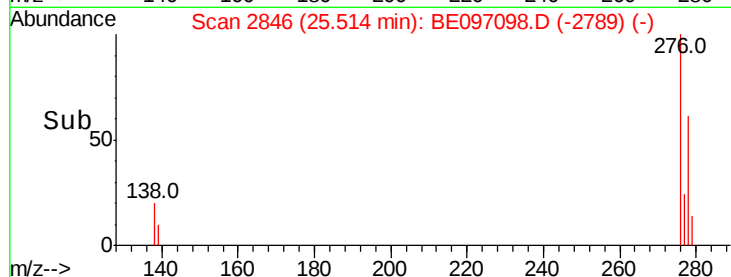
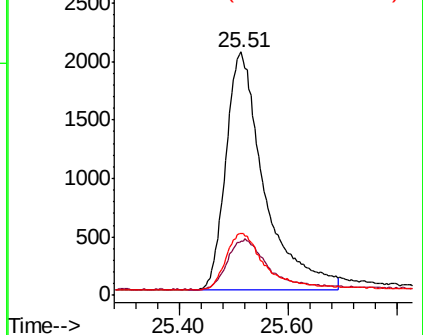
277 24.8 19.9 29.9



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: BE097098.D

Acq: 25 Jul 2018 8:14

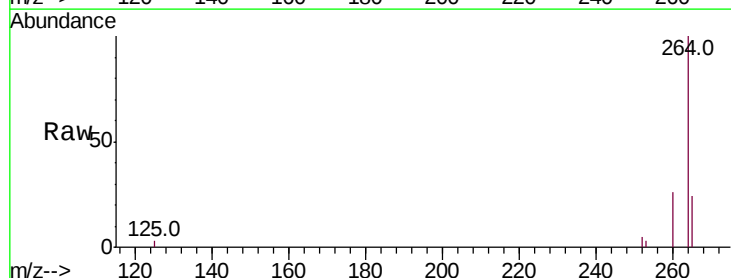
Tgt Ion:264 Resp: 9344

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

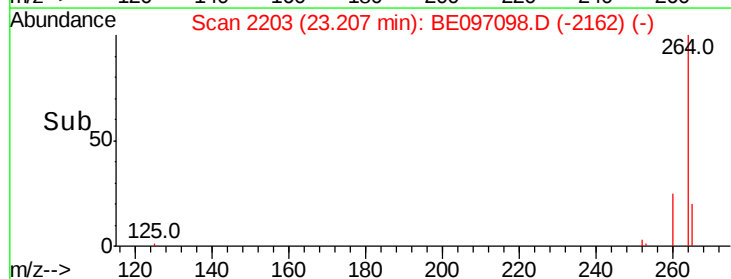
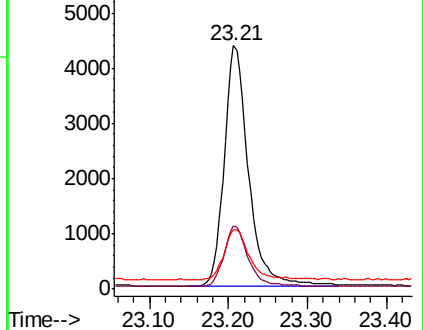
265 24.3 22.8 34.2



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

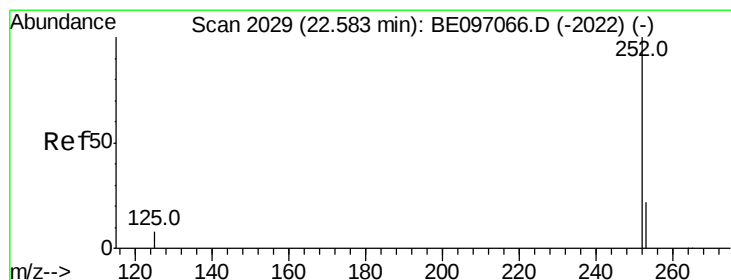
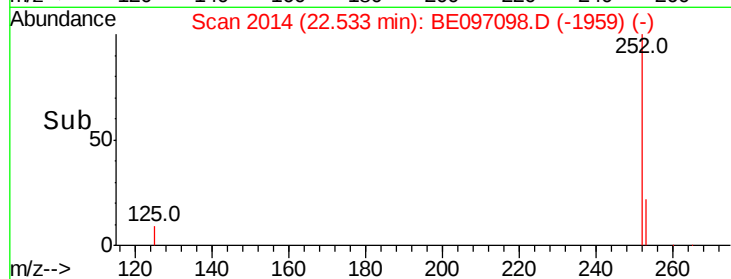
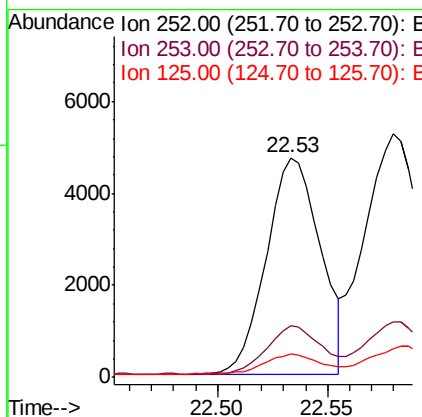
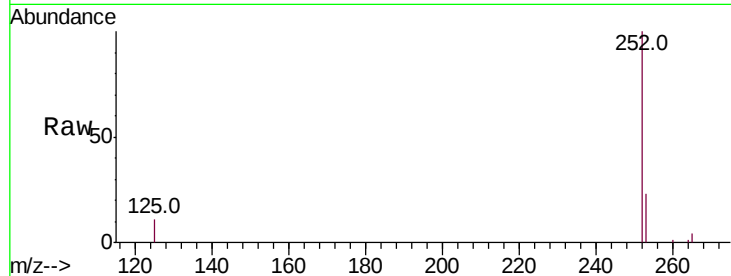




#35
Benzo(b)fluoranthene
Concen: 0.340 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

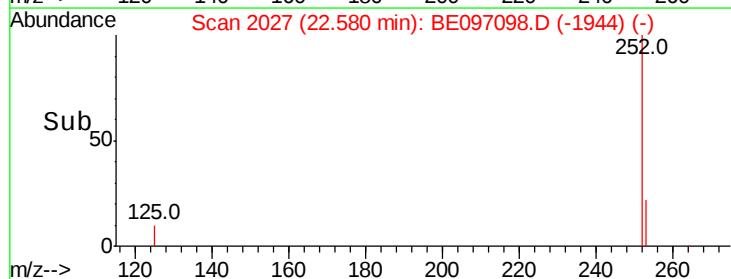
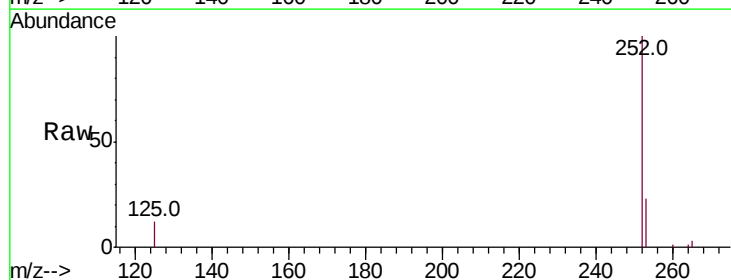
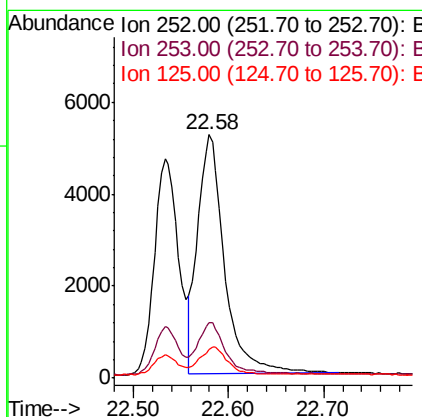
Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tot Ion:252 Resp: 8063
Ion Ratio Lower Upper
252 100
253 23.3 20.0 30.0
125 10.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:252 Resp: 10294
Ion Ratio Lower Upper
252 100
253 23.0 16.0 24.0
125 11.7 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.364 ng

RT: 23.11 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

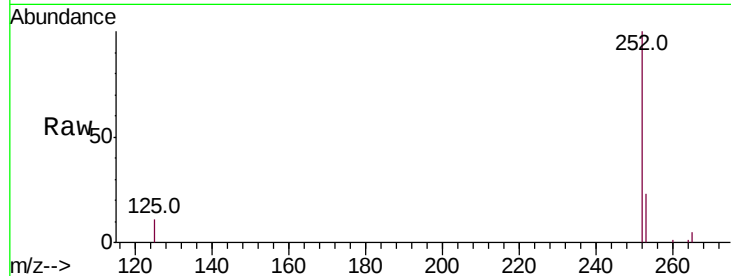
Tot Ion:252 Resp: 8128

Ion Ratio Lower Upper

252 100

253 23.3 16.0 24.0

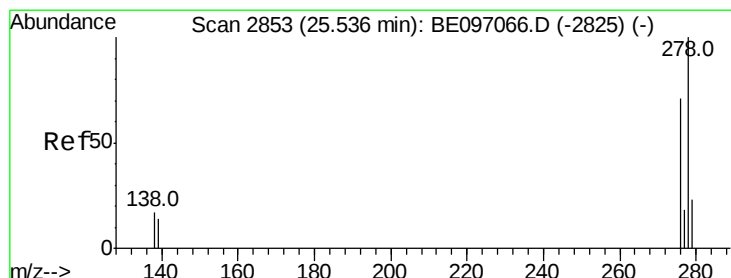
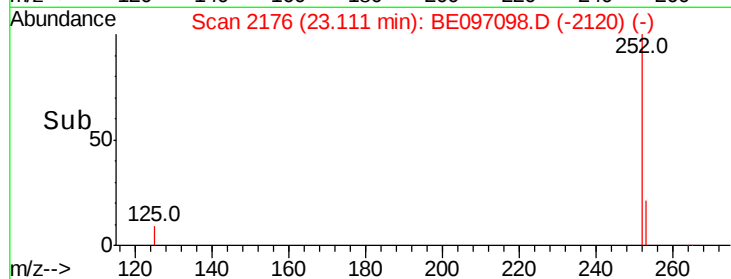
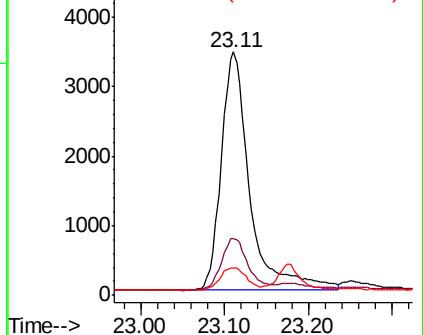
125 11.4 12.0 18.0#



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: 0.378 ng

RT: 25.53 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

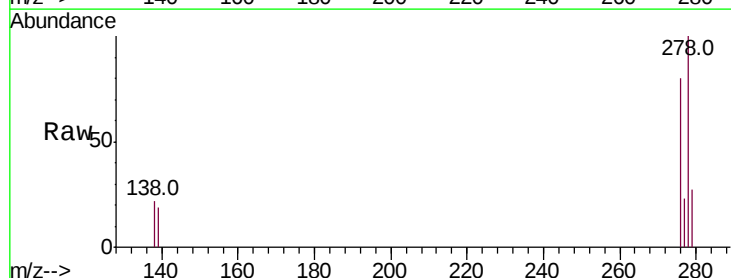
Tgt Ion:278 Resp: 8429

Ion Ratio Lower Upper

278 100

139 18.9 16.0 24.0

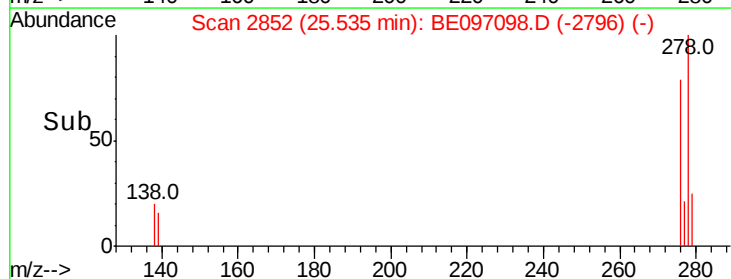
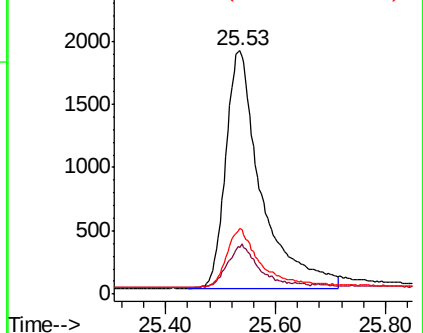
279 26.9 20.0 30.0

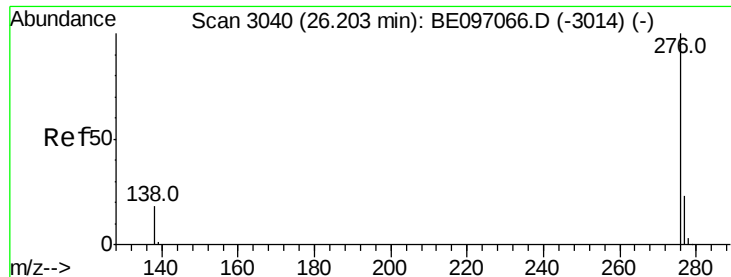


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.362 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.00 min

Lab File: BE097098.D

Acq: 25 Jul 2018 8:14

Instrument :

BNA_E

ClientSampleId :

PB111338BS

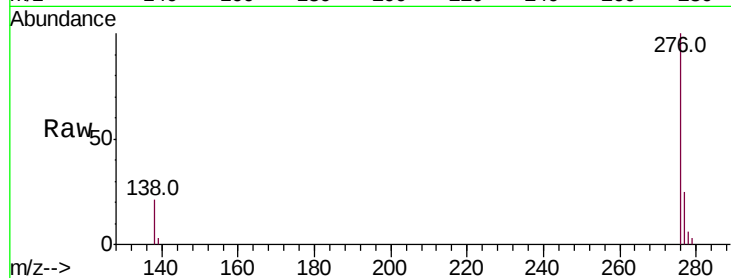
Tot Ion:276 Resp: 8546

Ion Ratio Lower Upper

276 100

277 25.1 16.0 24.0#

138 20.5 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

