

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082318\
 Data File : BE097356.D
 Acq On : 23 Aug 2018 12:32
 Operator : SJ/JU
 Sample : PB112113BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112113BSD

Quant Time: Aug 23 14:23:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 18:07:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1264	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	5245	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2286	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5083	0.40	ng	0.00
27) Chrysene-d12	20.97	240	4788	0.40	ng	0.00
34) Perylene-d12	23.21	264	4722	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1037	0.28	ng	0.00
5) Phenol-d6	6.60	99	1259	0.25	ng	0.00
8) Nitrobenzene-d5	8.52	82	1255	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2700	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	109	0.14	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3392	0.40	ng	0.00
25) Fluoranthene-d10	18.81	212	14025	0.24	ng	0.00
29) Terphenyl-d14	19.42	244	3407	0.39	ng	0.00

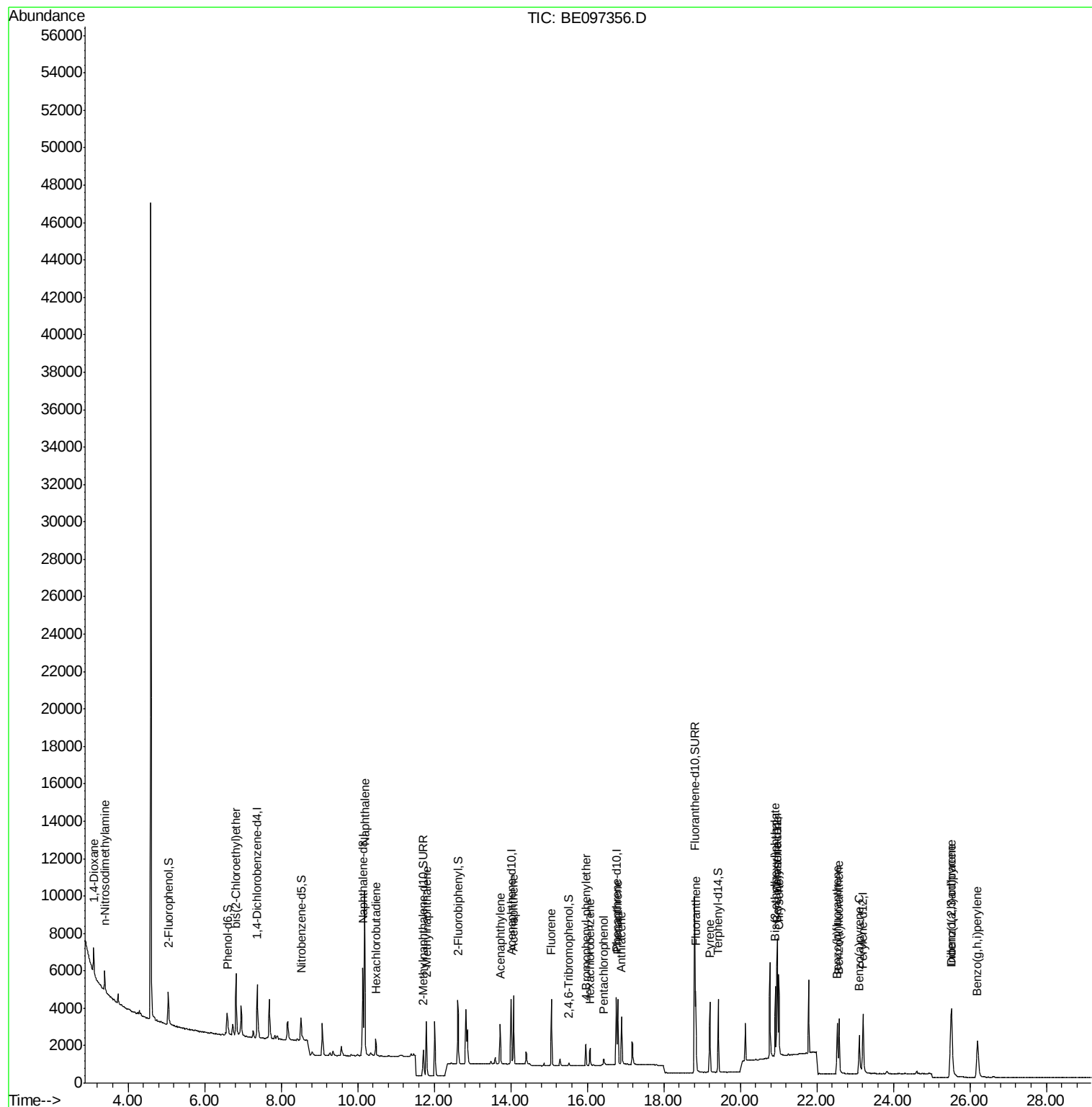
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	564	0.251	ng	# 25
3) n-Nitrosodimethylamine	3.38	42	645	0.307	ng	100
6) bis(2-Chloroethyl)ether	6.83	93	1236	0.269	ng	91
9) Naphthalene	10.18	128	15051	0.315	ng	100
10) Hexachlorobutadiene	10.47	225	616	0.289	ng	97
12) 2-Methylnaphthalene	11.80	142	2214	0.294	ng	100
16) Acenaphthylene	13.73	152	2517	0.277	ng	99
17) Acenaphthene	14.07	154	1756	0.290	ng	93
18) Fluorene	15.06	166	2107	0.275	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	671	0.290	ng	# 77
21) Hexachlorobenzene	16.08	284	773	0.302	ng	# 82
22) Pentachlorophenol	16.44	266	268	0.472	ng	# 81
23) Phenanthrene	16.80	178	3710	0.307	ng	98
24) Anthracene	16.89	178	3035	0.295	ng	96
26) Fluoranthene	18.84	202	3855	0.254	ng	98
28) Pyrene	19.20	202	3852	0.338	ng	99
30) Benzo(a)anthracene	20.95	228	3474	0.287	ng	98
31) Chrysene	21.00	228	4015	0.308	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	3830	0.308	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	5464	0.319	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	3709	0.298	ng	# 92
36) Benzo(k)fluoranthene	22.58	252	4101	0.298	ng	# 89
37) Benzo(a)pyrene	23.11	252	3526	0.289	ng	# 91
38) Dibenzo(a,h)anthracene	25.53	278	4721	0.322	ng	96
39) Benzo(g,h,i)perylene	26.20	276	4777	0.313	ng	# 90

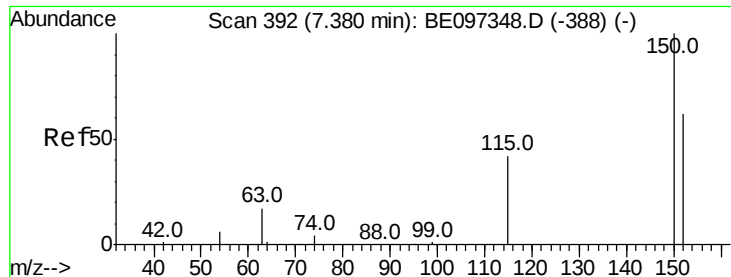
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082318\
Data File : BE097356.D
Acq On : 23 Aug 2018 12:32
Operator : SJ/JU
Sample : PB112113BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB112113BSD

Quant Time: Aug 23 14:23:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 18:07:26 2018
Response via : Initial Calibration



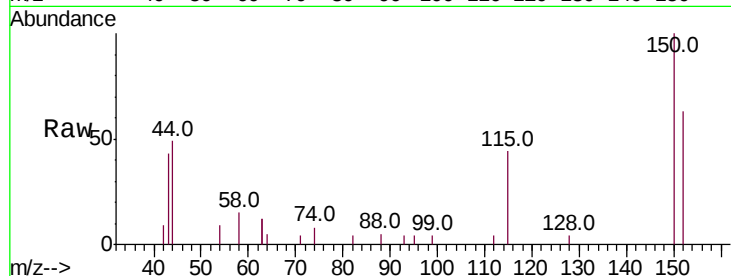


#1

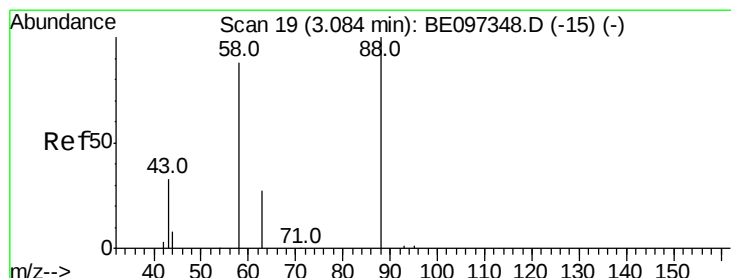
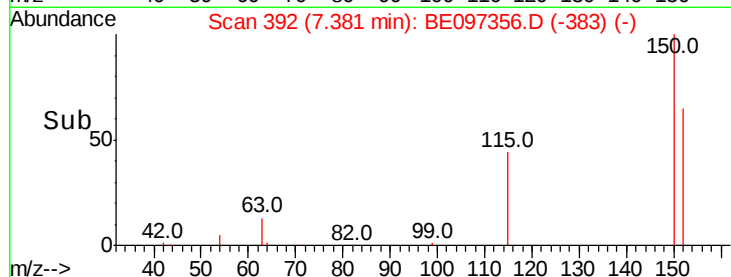
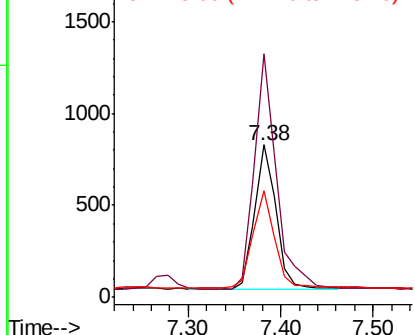
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097356.D
Acq: 23 Aug 2018 12:32

Instrument :
BNA_E
ClientSampleId :
PB112113BSD

Tot Ion:152 Resp: 1264
Ion Ratio Lower Upper
152 100
150 159.7 117.2 175.8
115 70.3 57.0 85.6



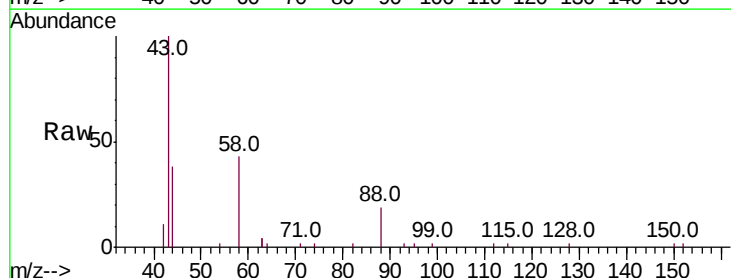
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



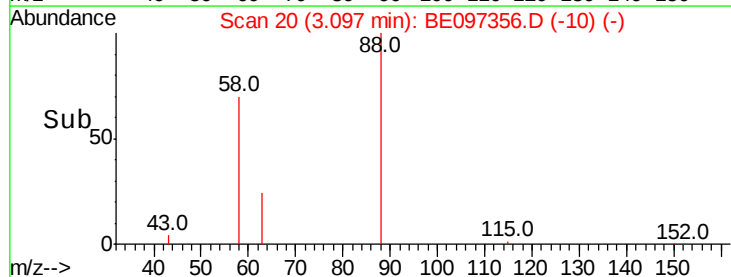
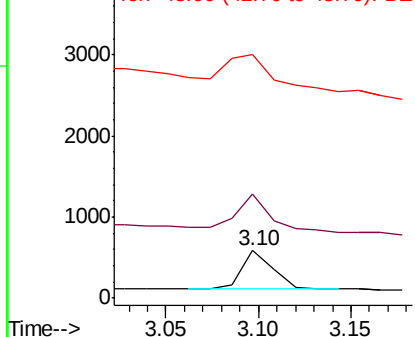
#2

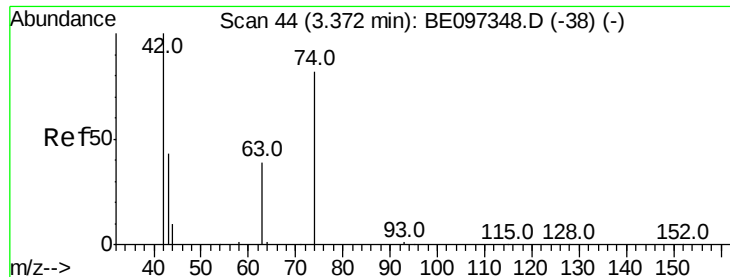
1,4-Dioxane
Concen: 0.251 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.01 min
Lab File: BE097356.D
Acq: 23 Aug 2018 12:32

Tgt Ion: 88 Resp: 564
Ion Ratio Lower Upper
88 100
58 115.4 63.2 94.8#
43 140.4 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

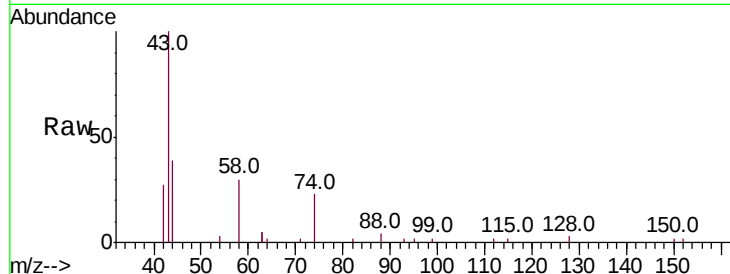




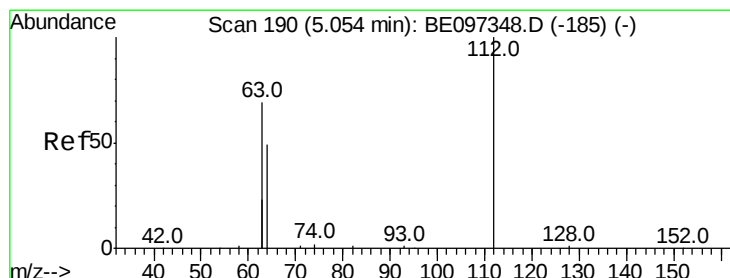
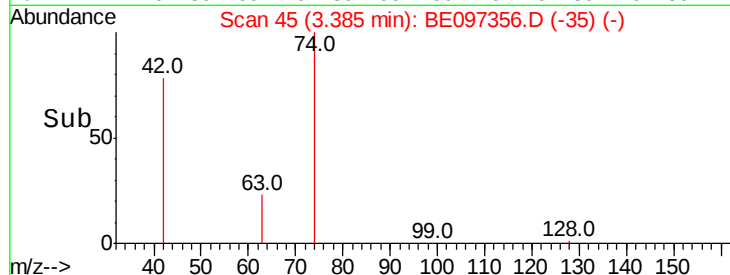
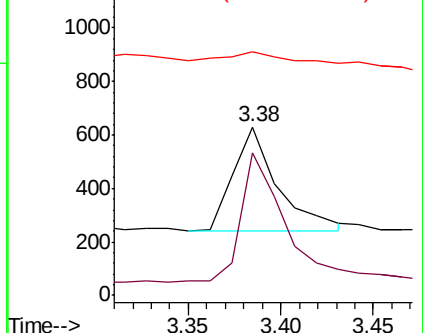
#3
 n-Nitrosodimethylamine
 Concen: 0.307 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.01 min
 Lab File: BE097356.D
 Acq: 23 Aug 2018 12:32

Instrument :
 BNA_E
 ClientSampleId :
 PB112113BSD

Tot Ion: 42 Resp: 645
 Ion Ratio Lower Upper
 42 100
 74 119.5 96.0 144.0
 44 14.7 12.0 18.0

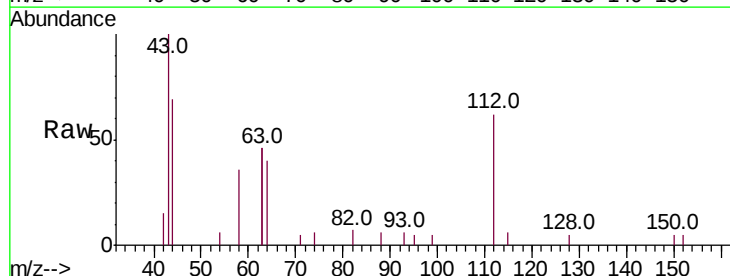


Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0

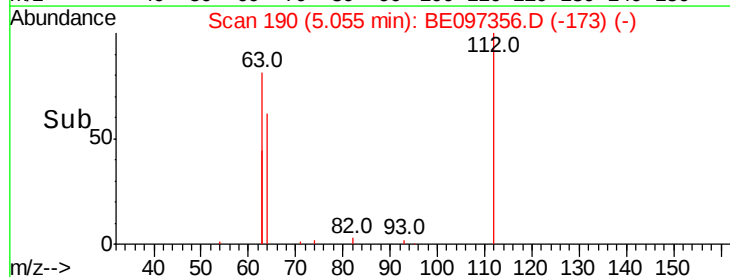
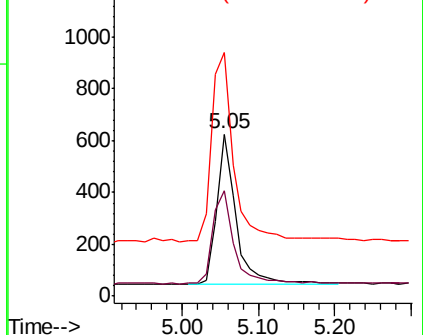


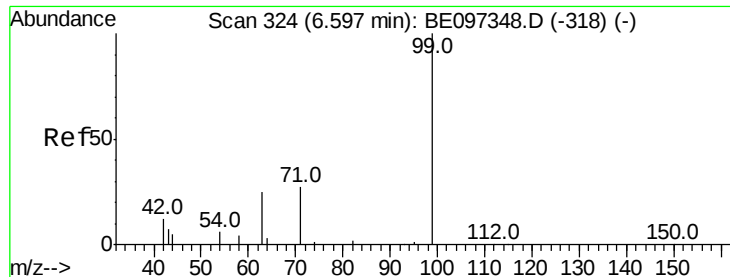
#4
 2-Fluorophenol
 Concen: 0.277 ng
 RT: 5.05 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: BE097356.D
 Acq: 23 Aug 2018 12:32

Tgt Ion: 112 Resp: 1037
 Ion Ratio Lower Upper
 112 100
 64 67.6 60.1 90.1
 63 140.5 116.8 175.2



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: 0.252 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

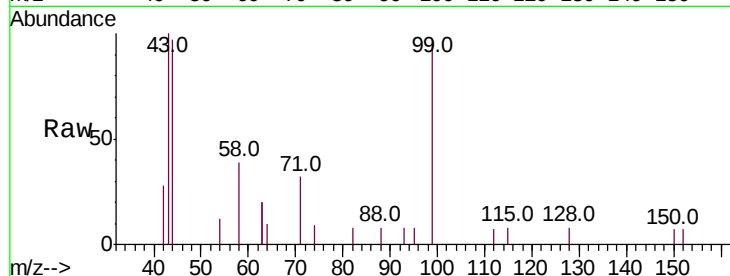
Tot Ion: 99 Resp: 1259

Ion Ratio Lower Upper

99 100

42 20.9 20.2 30.2

71 34.2 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

6.60

800

600

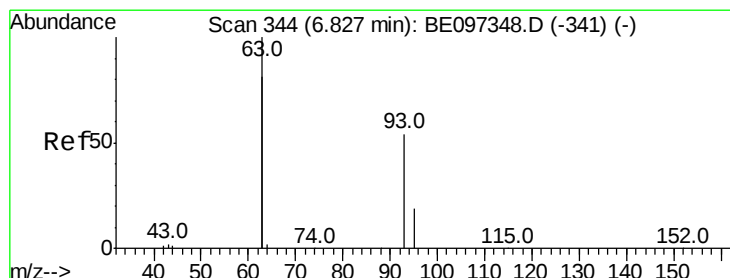
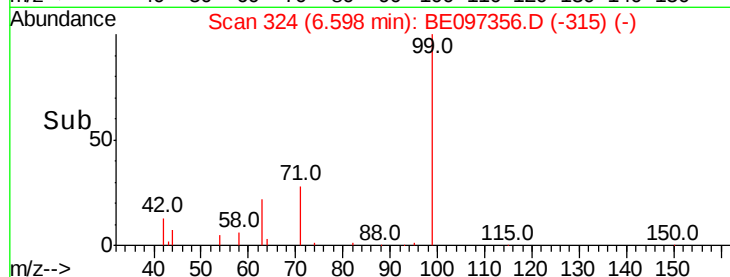
400

200

0

6.50 6.55 6.60 6.65 6.70

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.269 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

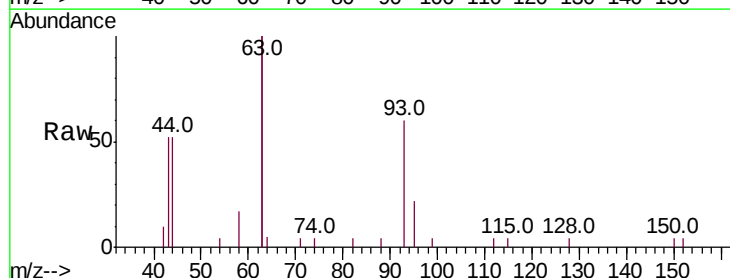
Tgt Ion: 93 Resp: 1236

Ion Ratio Lower Upper

93 100

63 323.4 275.3 412.9

95 30.5 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

3000

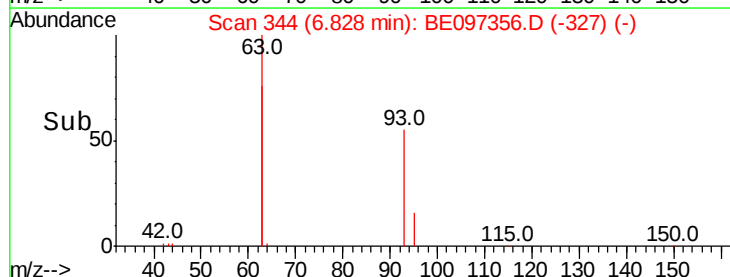
2000

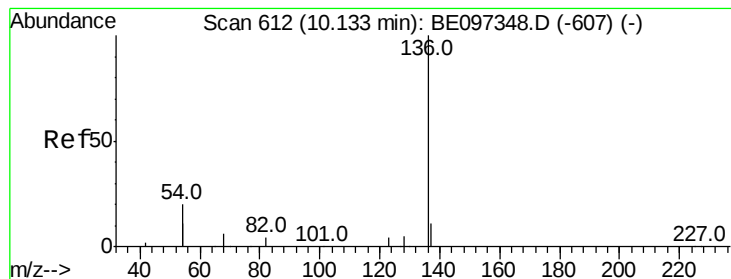
1000

0

6.80 6.83 6.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

Tot Ion:136 Resp: 5245

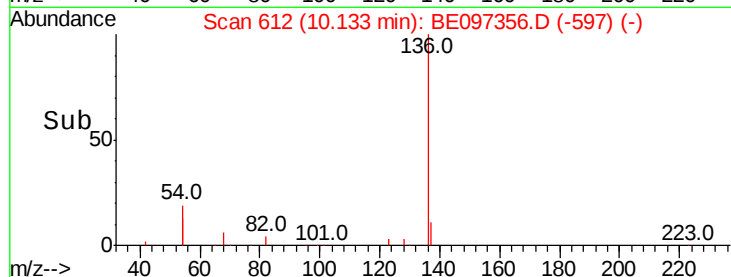
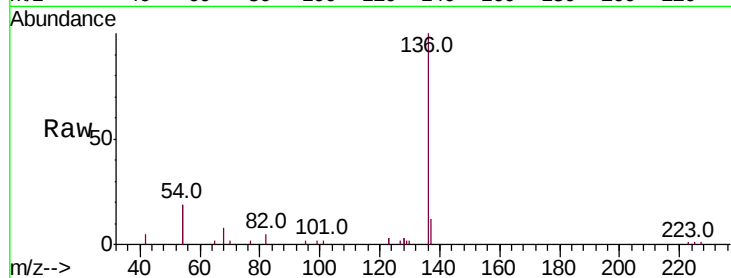
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 37.9 29.1 43.7

68 7.8 6.2 9.2

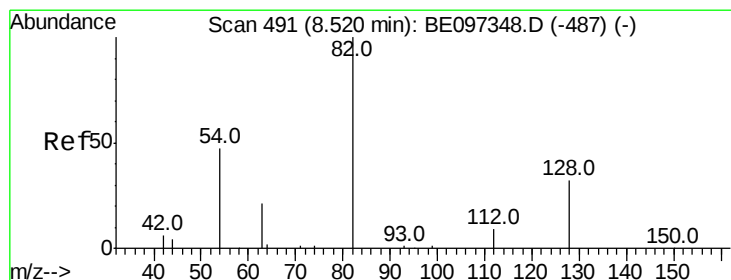
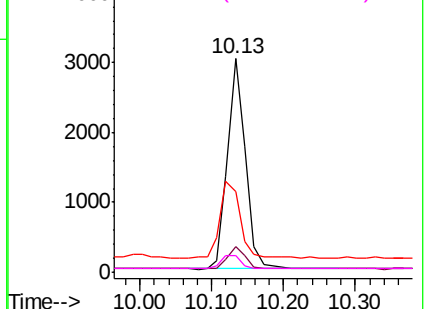


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.334 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

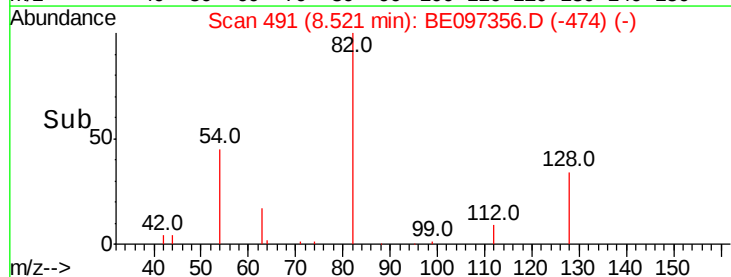
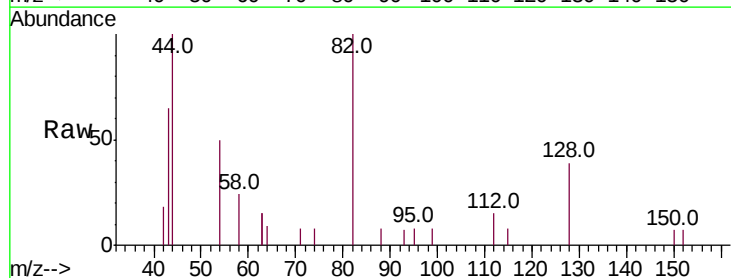
Tgt Ion: 82 Resp: 1255

Ion Ratio Lower Upper

82 100

128 38.6 24.0 36.0#

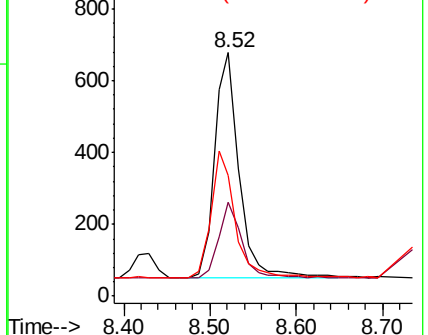
54 49.7 40.0 60.0

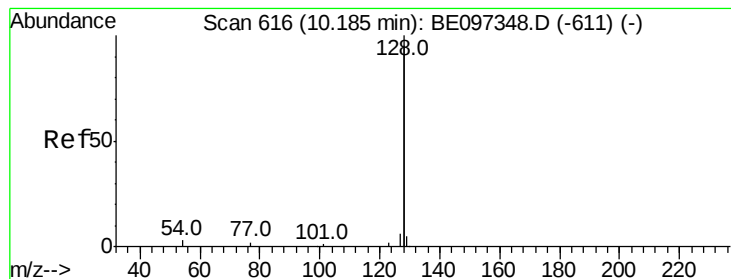


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.315 ng

RT: 10.18 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

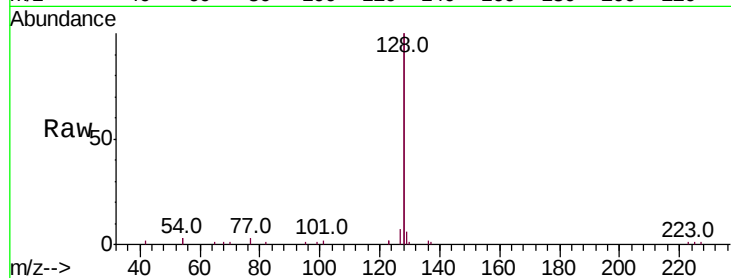
Tot Ion:128 Resp: 15051

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

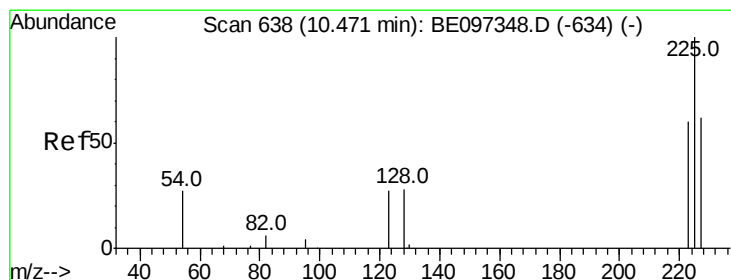
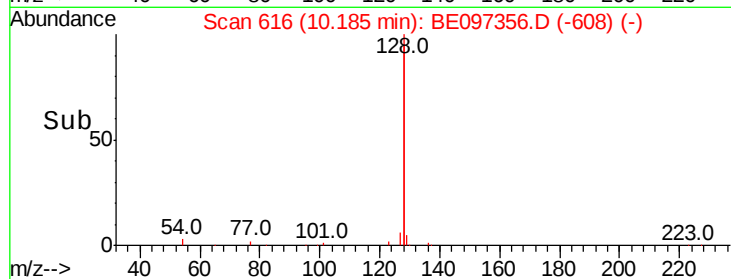
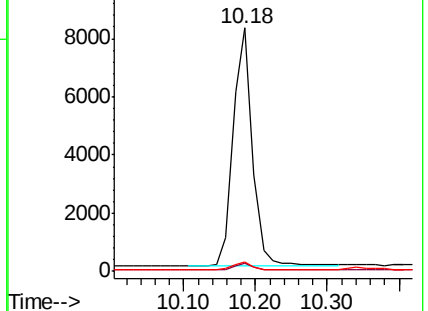
127 3.7 2.8 4.2



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: 0.289 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

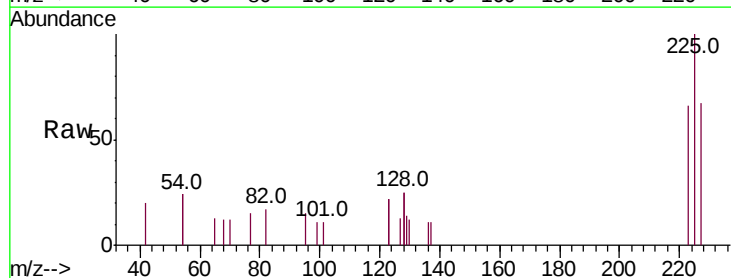
Tgt Ion:225 Resp: 616

Ion Ratio Lower Upper

225 100

223 61.7 53.0 79.6

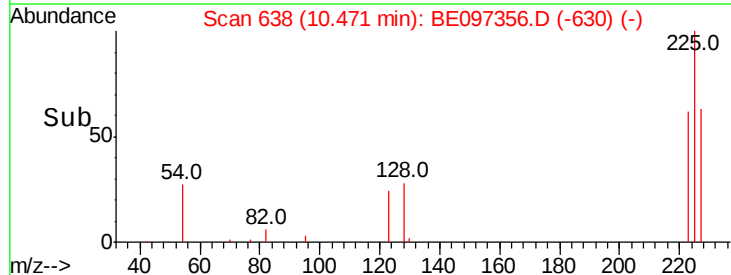
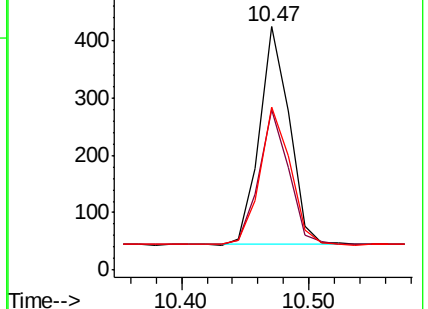
227 64.0 51.4 77.2

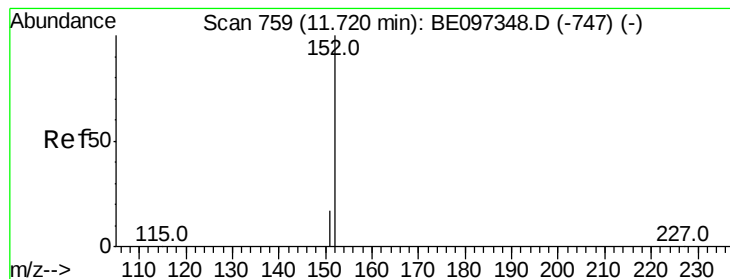


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.369 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

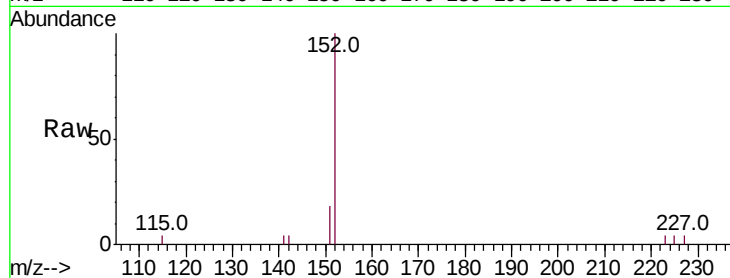
PB112113BSD

Tot Ion:152 Resp: 2700

Ion Ratio Lower Upper

152 100

151 13.4 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

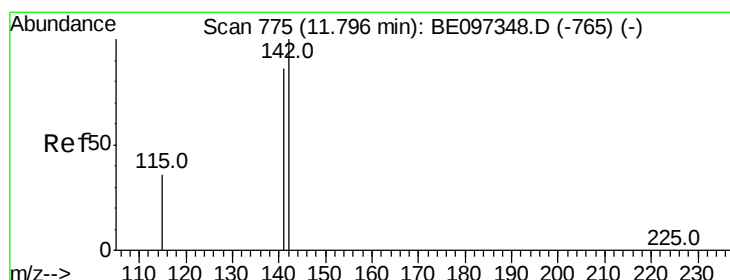
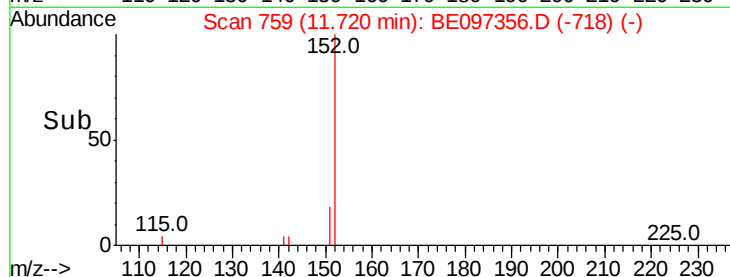
11.72

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.294 ng

RT: 11.80 min Scan# 775

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

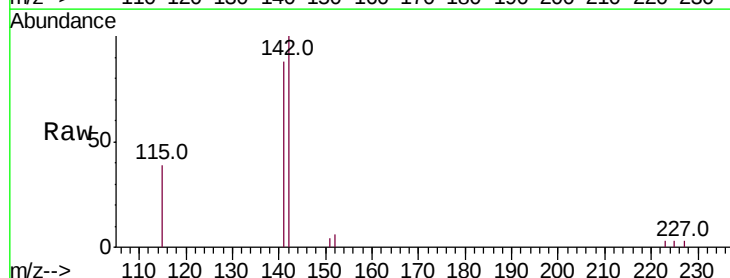
Tgt Ion:142 Resp: 2214

Ion Ratio Lower Upper

142 100

141 87.7 70.4 105.6

115 39.2 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

11.80

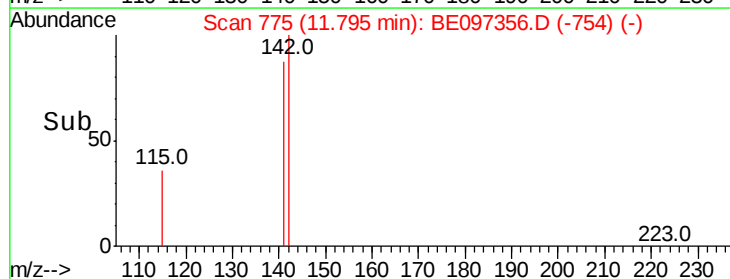
1500

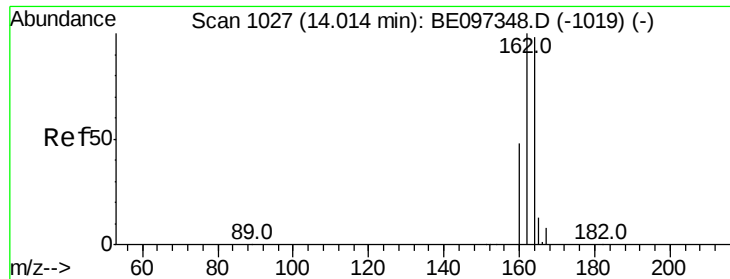
1000

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: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

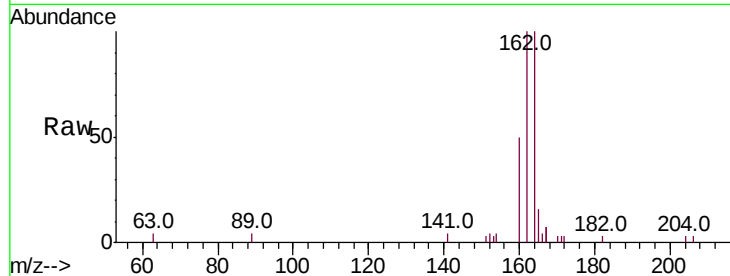
Tot Ion:164 Resp: 2286

Ion Ratio Lower Upper

164 100

162 100.3 83.1 124.7

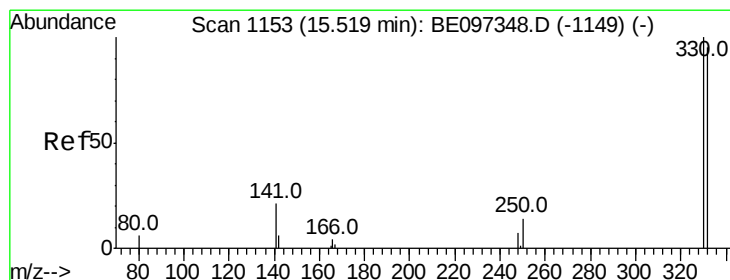
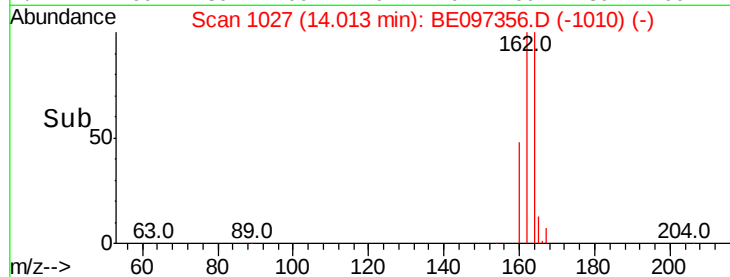
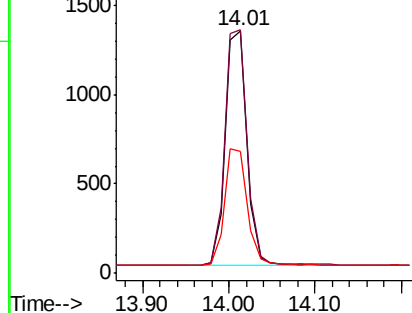
160 50.3 37.1 55.7



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: 0.141 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

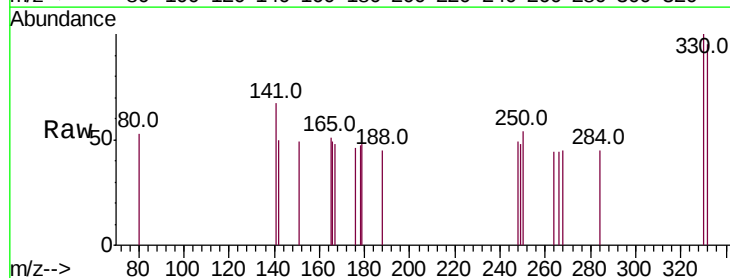
Tgt Ion:330 Resp: 109

Ion Ratio Lower Upper

330 100

332 94.5 152.7 229.1#

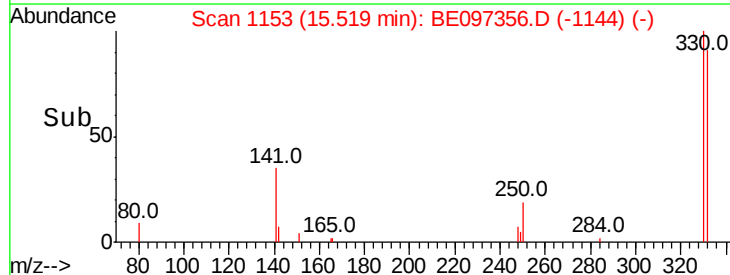
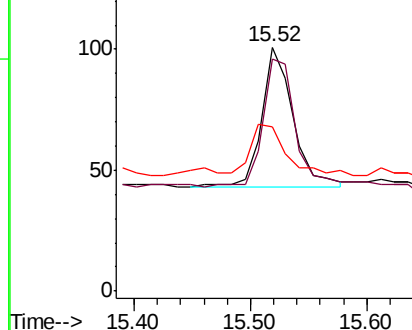
141 34.9 33.7 50.5

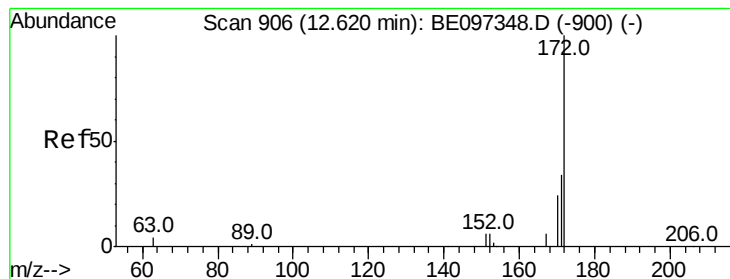


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.404 ng

RT: 12.62 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

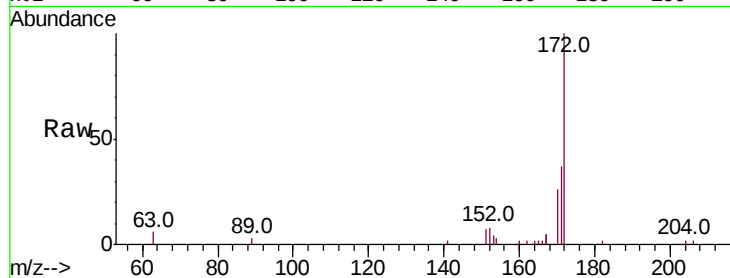
Tot Ion:172 Resp: 3392

Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

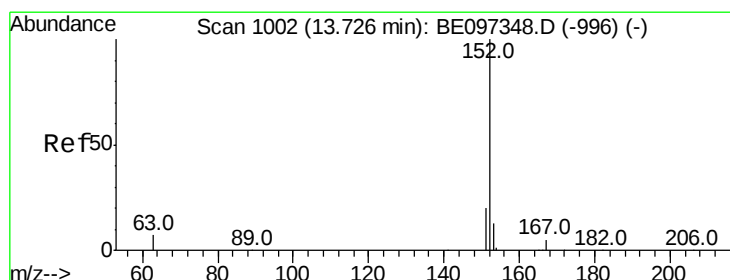
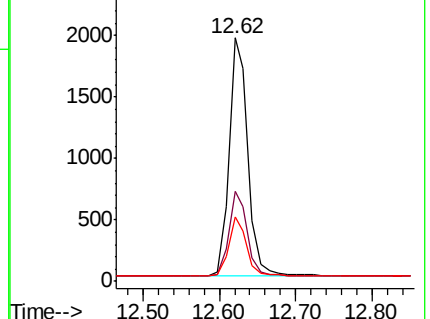
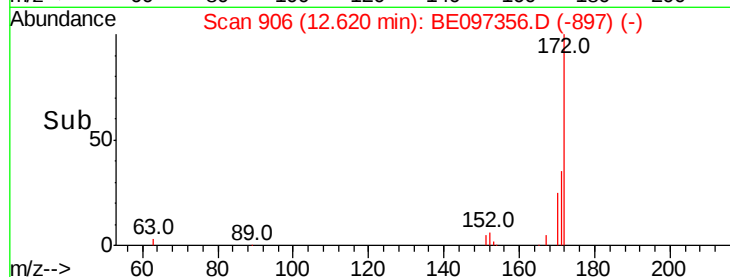
170 26.5 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.277 ng

RT: 13.73 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

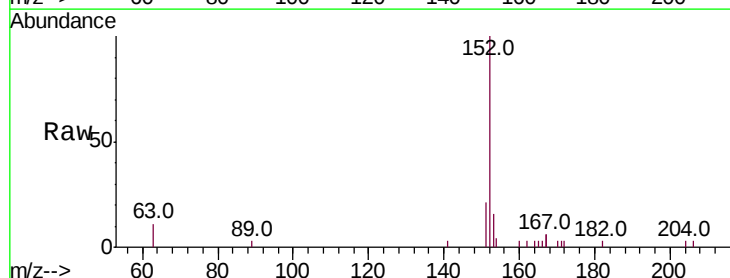
Tgt Ion:152 Resp: 2517

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

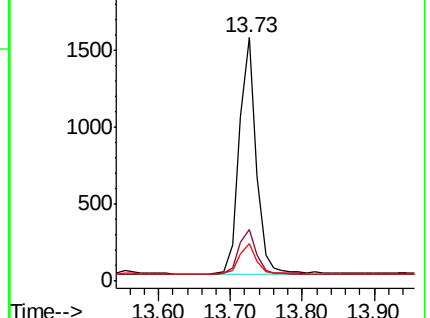
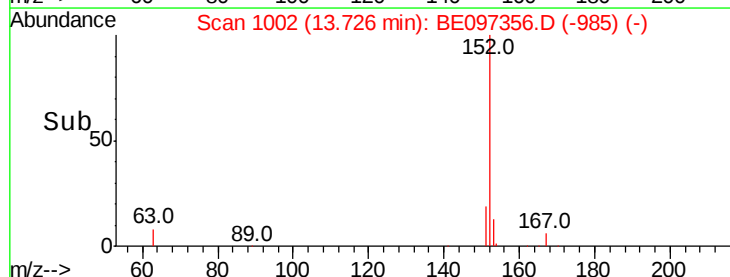
153 13.3 10.5 15.7

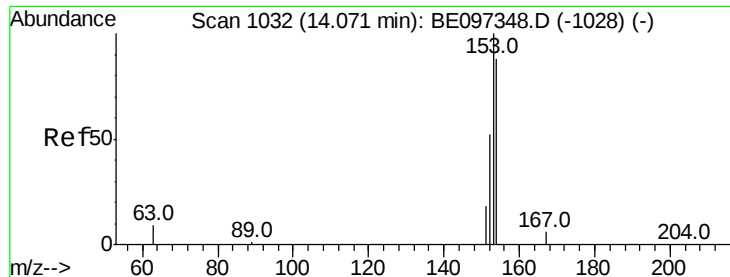


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.290 ng

RT: 14.07 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

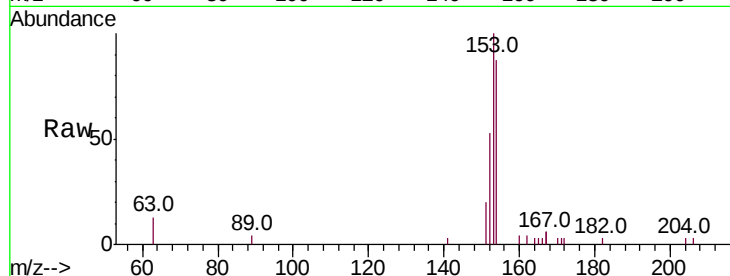
Tot Ion:154 Resp: 1756

Ion Ratio Lower Upper

154 100

153 116.6 89.2 133.8

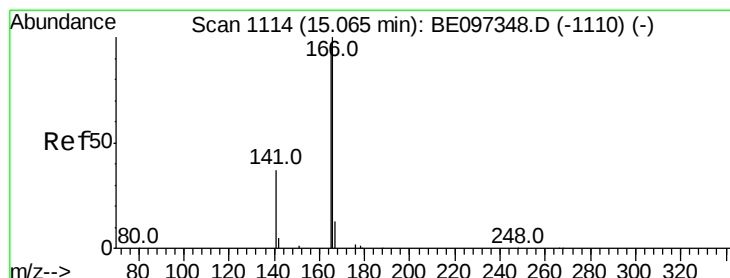
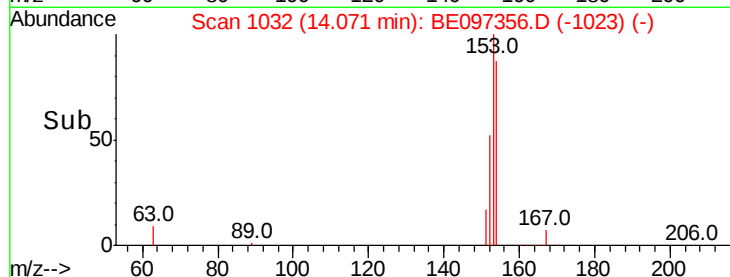
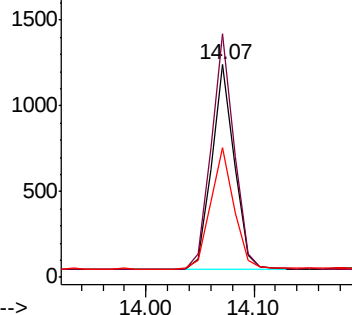
152 61.6 42.0 63.0



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: 0.275 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

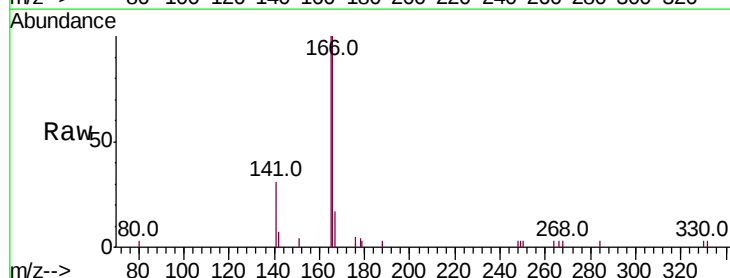
Tgt Ion:166 Resp: 2107

Ion Ratio Lower Upper

166 100

165 99.6 77.8 116.6

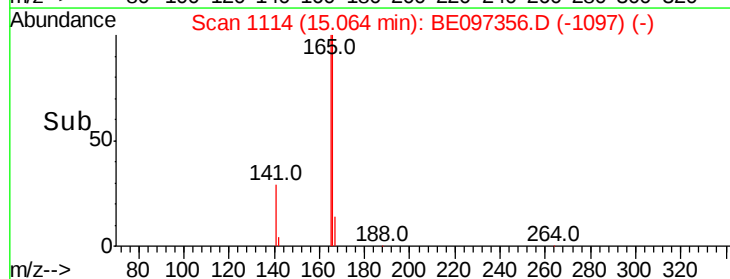
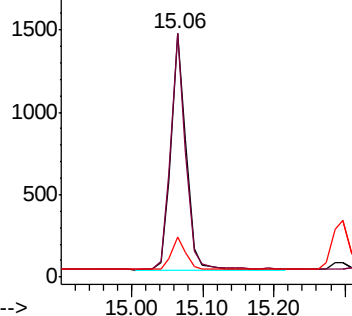
167 13.3 42.4 63.6#

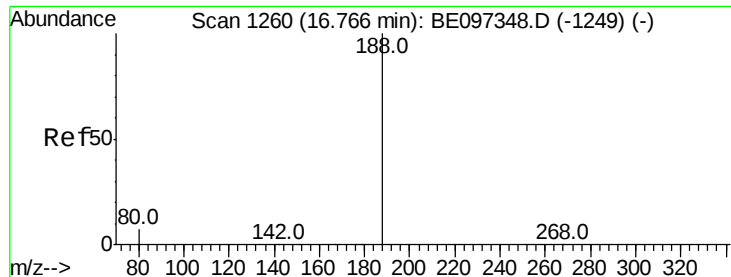


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

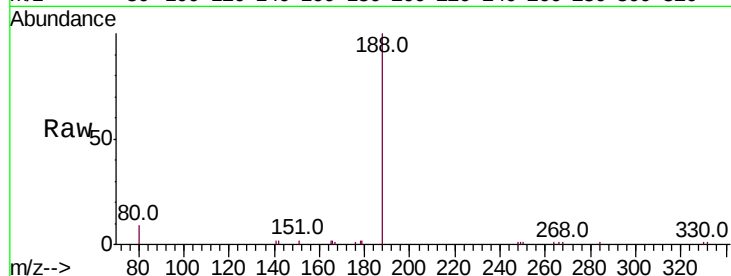
Tot Ion:188 Resp: 5083

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

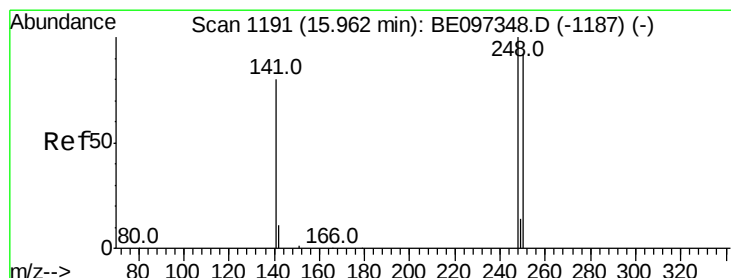
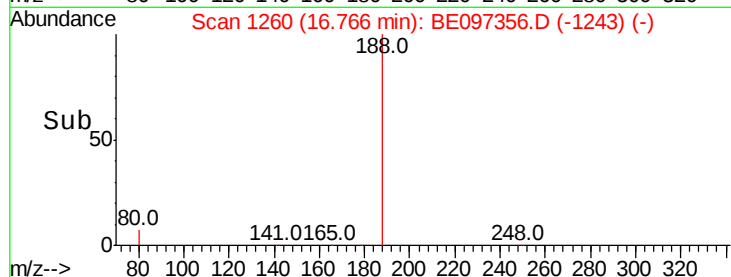
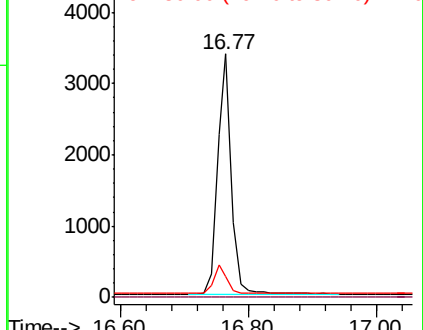
80 8.7 3.6 5.4#



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: 0.290 ng

RT: 15.97 min Scan# 1192

Delta R.T. 0.01 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

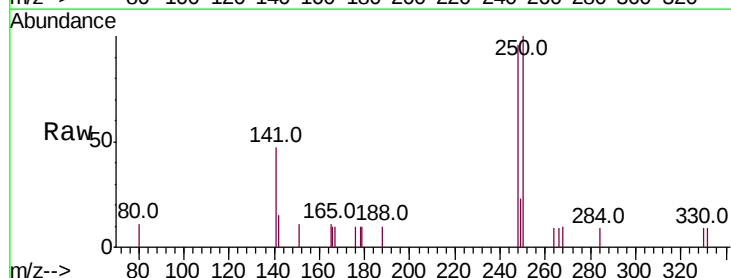
Tgt Ion:248 Resp: 671

Ion Ratio Lower Upper

248 100

250 104.1 62.7 94.1#

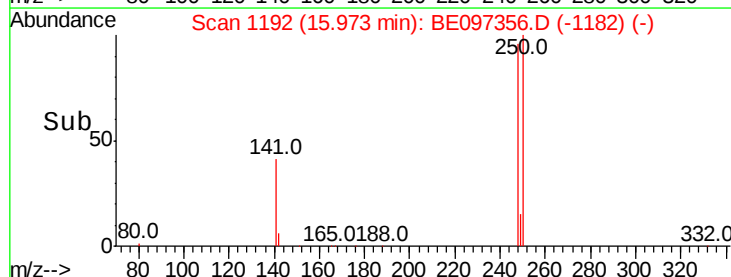
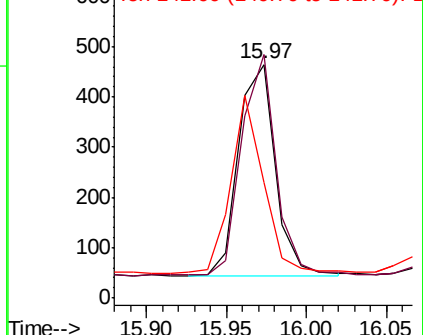
141 49.2 48.2 72.2

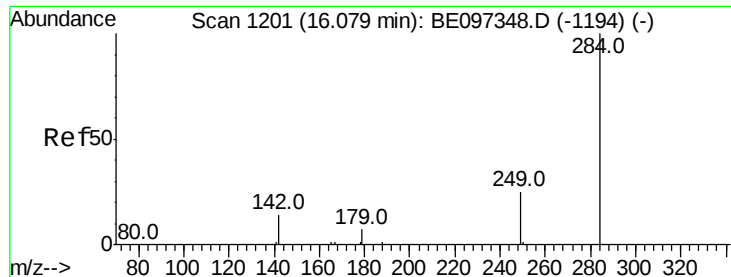


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.302 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

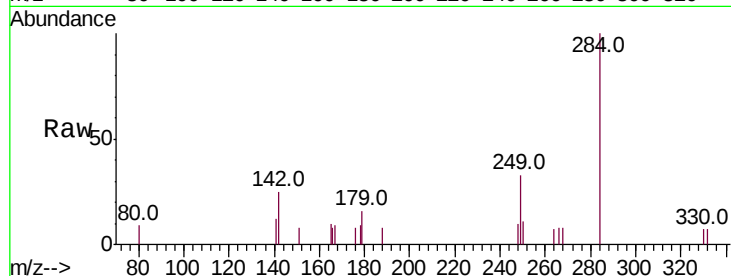
Tot Ion:284 Resp: 773

Ion Ratio Lower Upper

284 100

142 34.9 22.1 33.1#

249 30.5 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.08

600

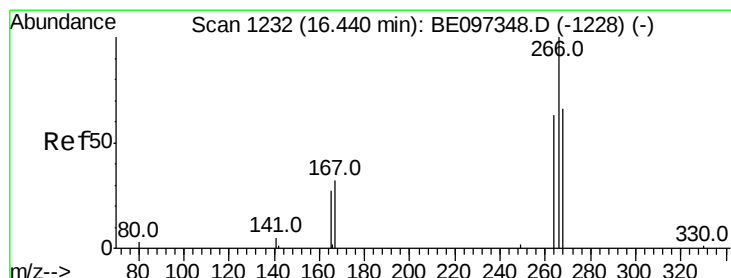
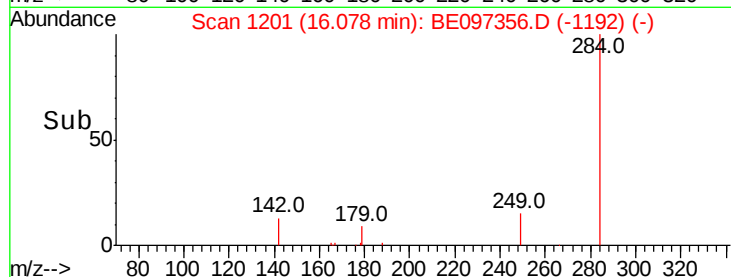
400

200

0

16.00 16.10

Time-->



#22

Pentachlorophenol

Concen: 0.472 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

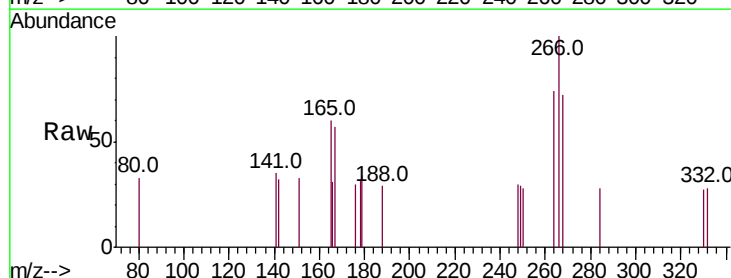
Tgt Ion:266 Resp: 268

Ion Ratio Lower Upper

266 100

264 73.6 72.5 108.7

268 72.3 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

16.44

200

150

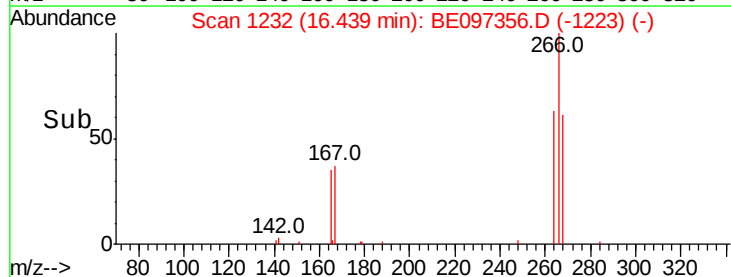
100

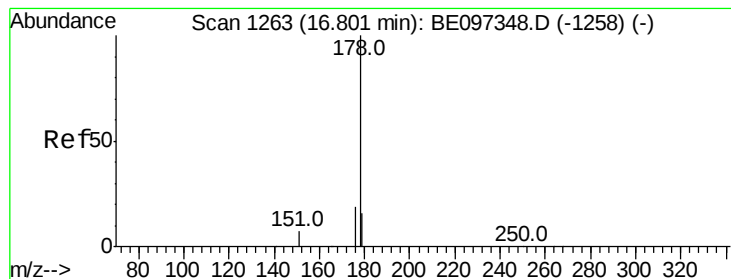
50

0

16.30 16.40 16.50 16.60

Time-->





#23

Phenanthrene

Concen: 0.307 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

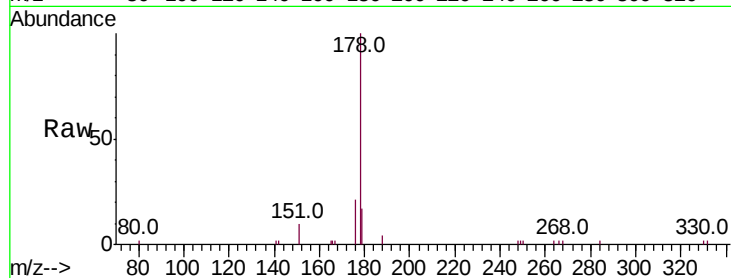
Tot Ion:178 Resp: 3710

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

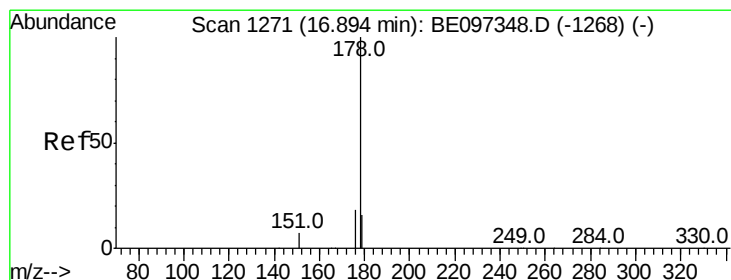
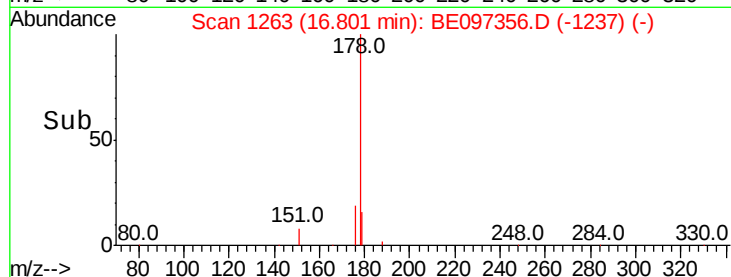
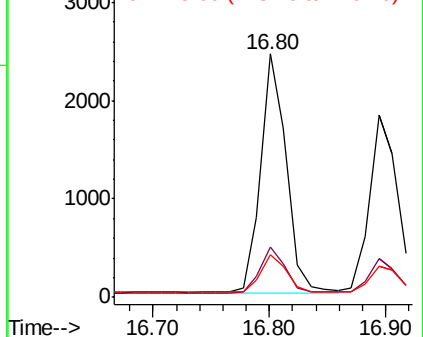
179 15.8 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.295 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

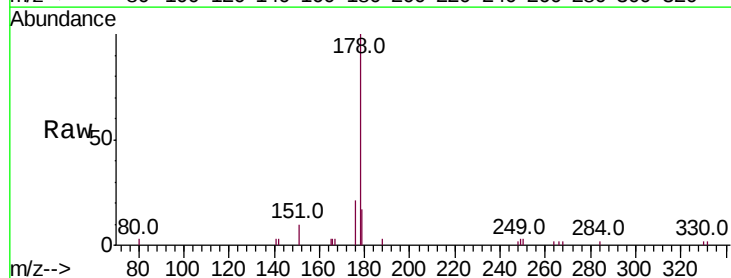
Tgt Ion:178 Resp: 3035

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

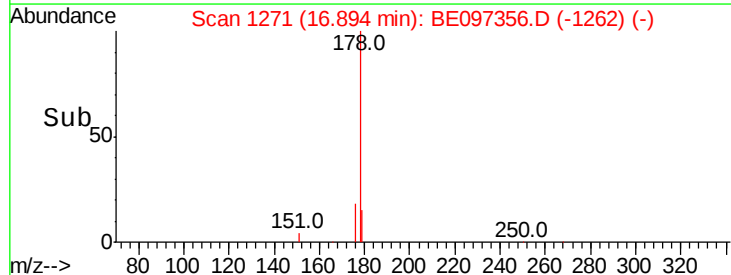
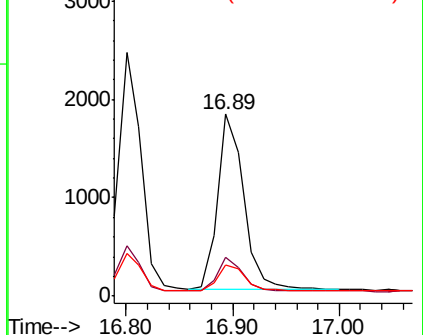
179 15.6 13.0 19.6

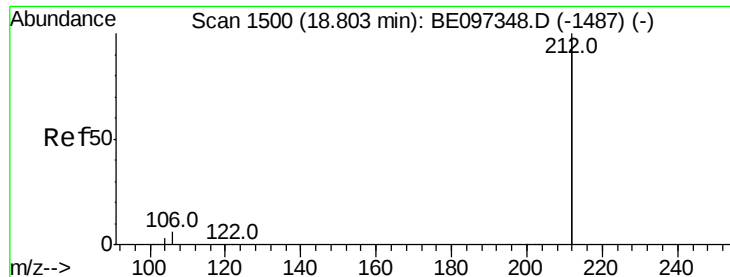


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.240 ng

RT: 18.81 min Scan# 1501

Delta R.T. 0.01 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

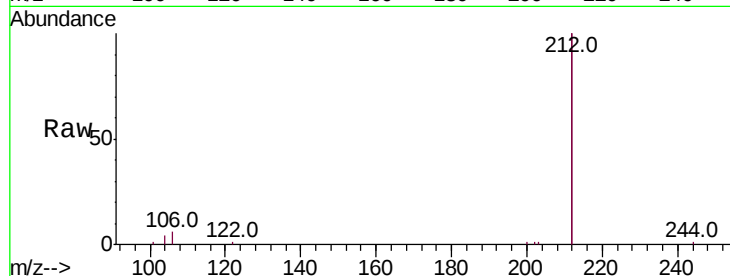
Tot Ion:212 Resp: 14025

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

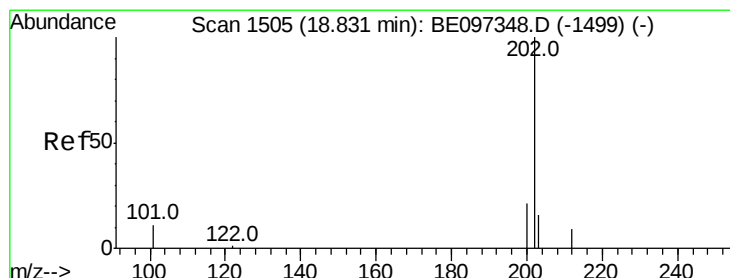
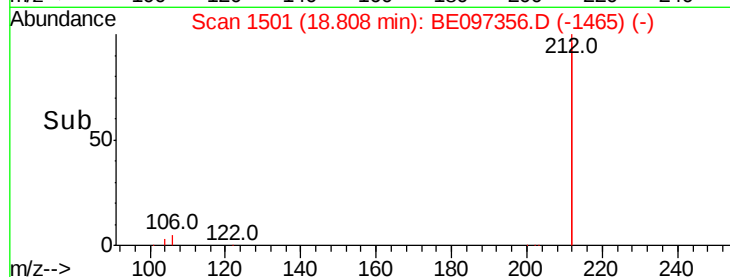
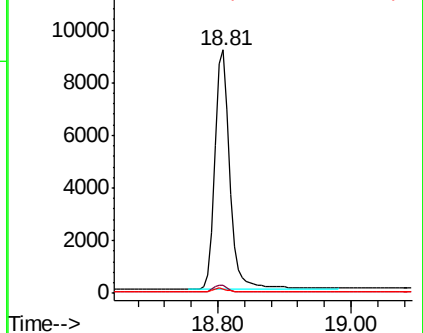
104 1.7 1.6 2.4



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: 0.254 ng

RT: 18.84 min Scan# 1506

Delta R.T. 0.01 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

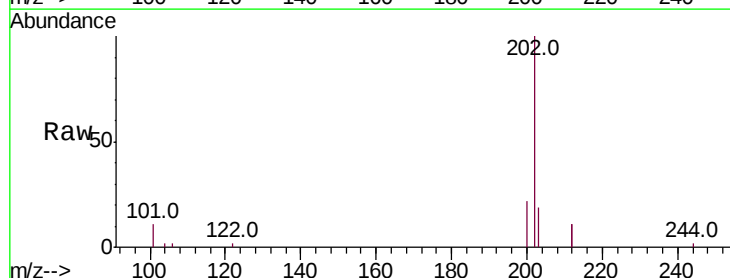
Tgt Ion:202 Resp: 3855

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

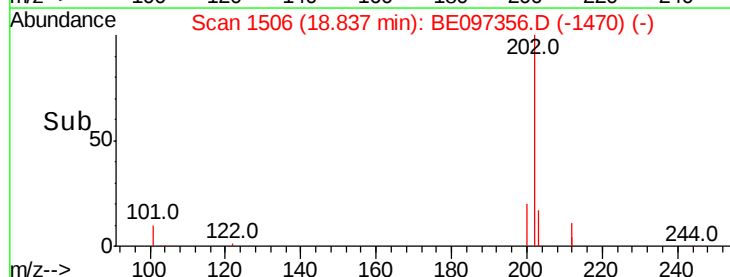
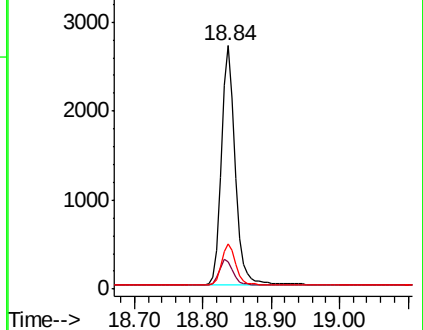
203 17.5 13.7 20.5

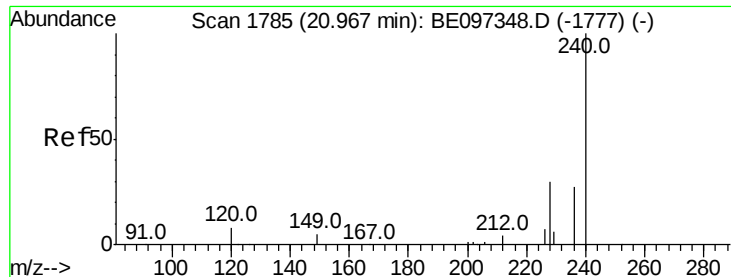


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

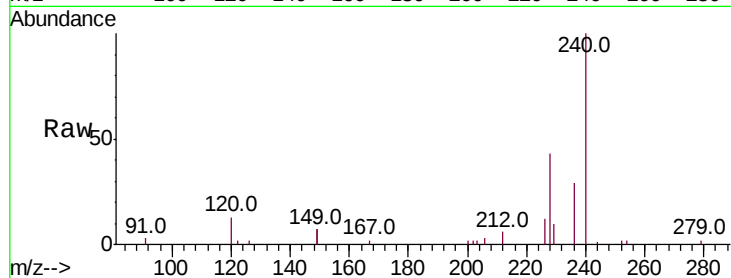
Tot Ion:240 Resp: 4788

Ion Ratio Lower Upper

240 100

120 13.0 5.5 8.3#

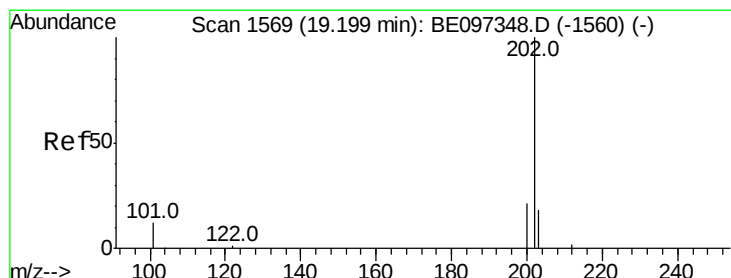
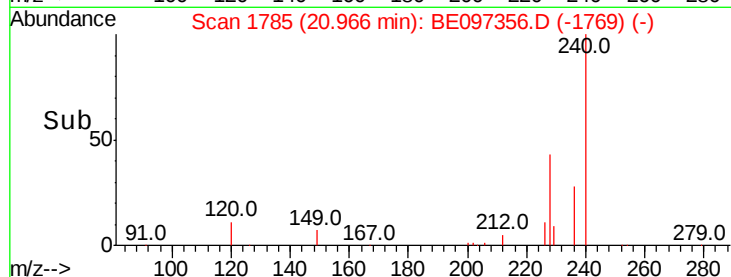
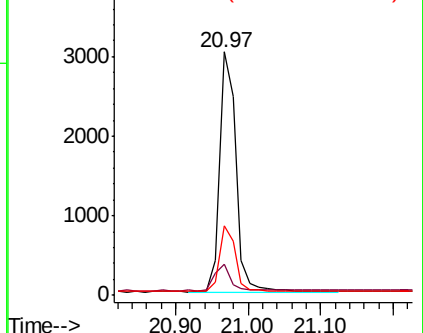
236 28.8 20.7 31.1



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: 0.338 ng

RT: 19.20 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

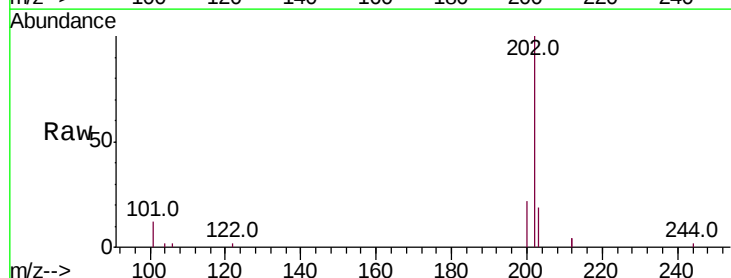
Tgt Ion:202 Resp: 3852

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

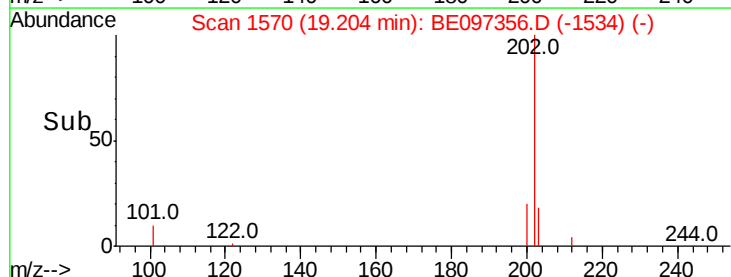
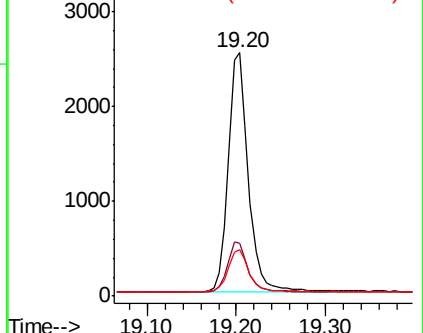
203 18.0 13.8 20.8

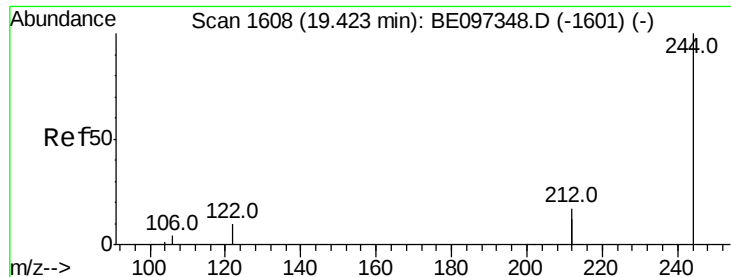


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.386 ng

RT: 19.42 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

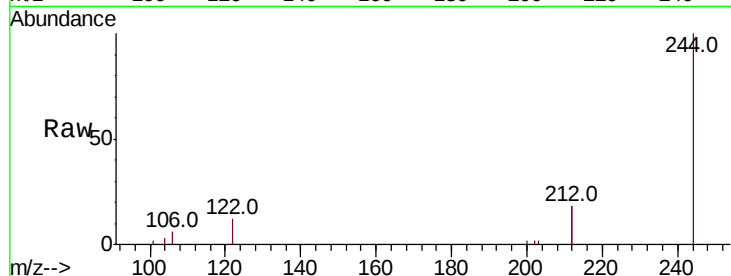
Tot Ion:244 Resp: 3407

Ion Ratio Lower Upper

244 100

212 37.0 25.4 38.0

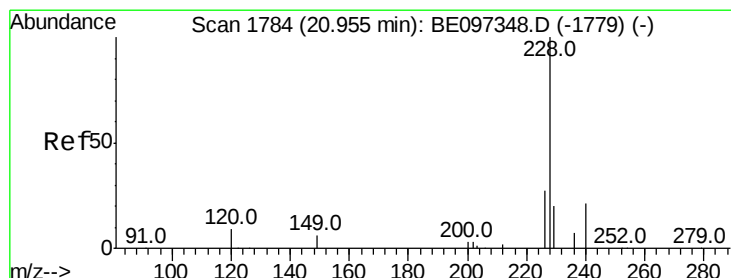
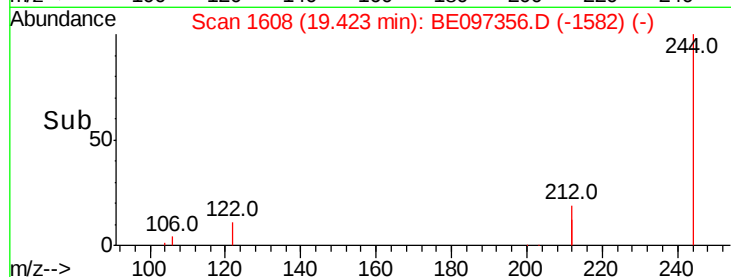
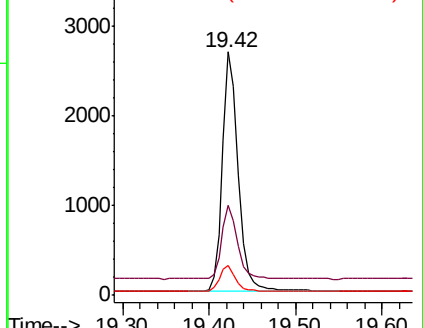
122 12.1 8.1 12.1#



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: 0.287 ng

RT: 20.95 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

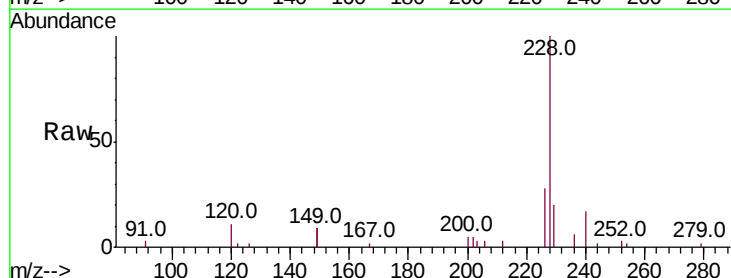
Tgt Ion:228 Resp: 3474

Ion Ratio Lower Upper

228 100

226 28.5 24.0 36.0

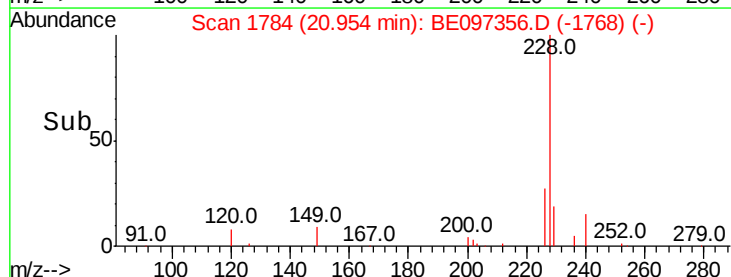
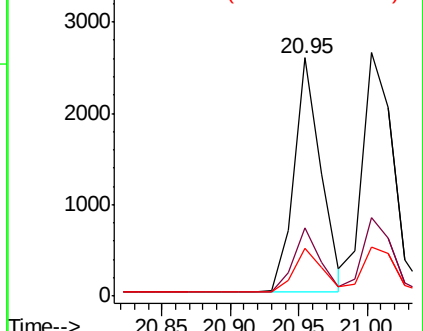
229 20.1 16.0 24.0

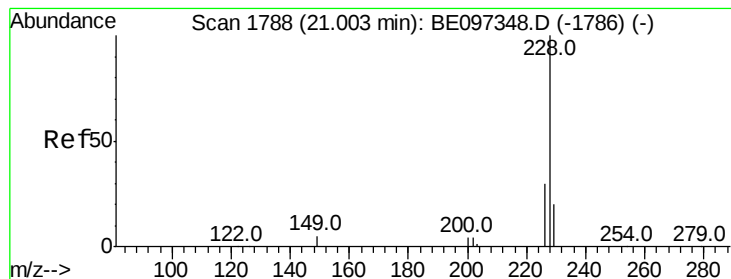


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

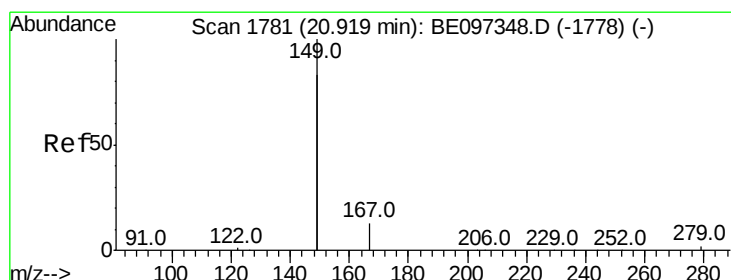
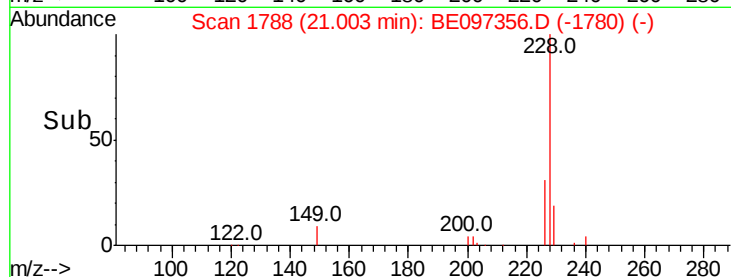
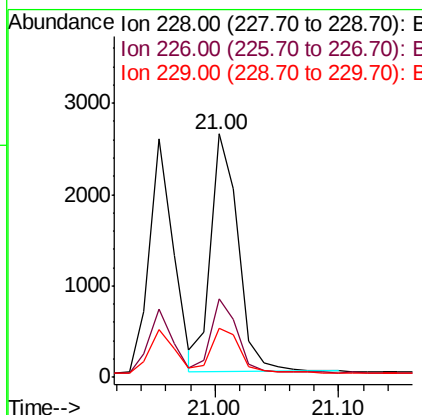
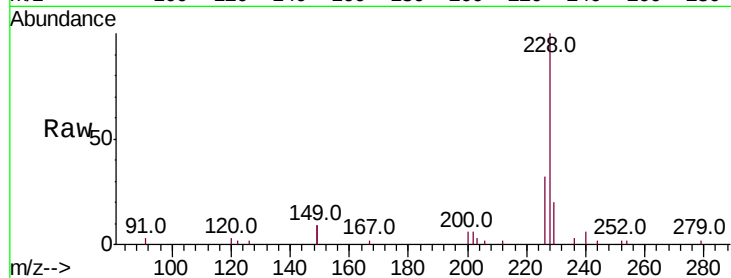




#31
 Chrysene
 Concen: 0.308 ng
 RT: 21.00 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE097356.D
 Acq: 23 Aug 2018 12:32

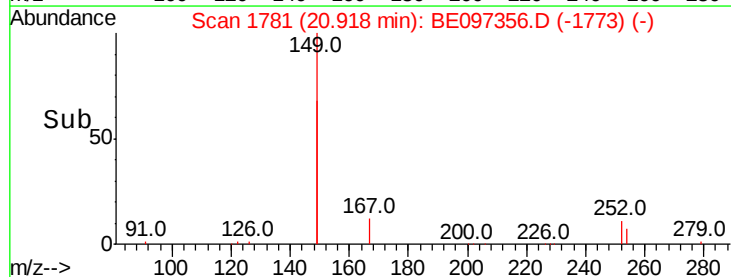
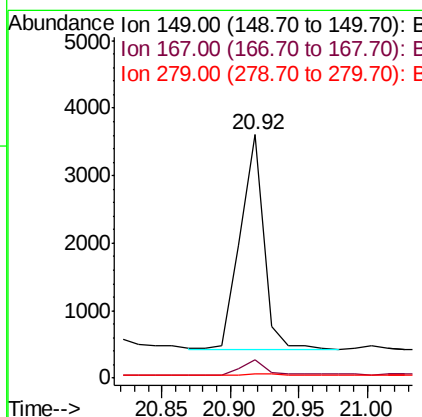
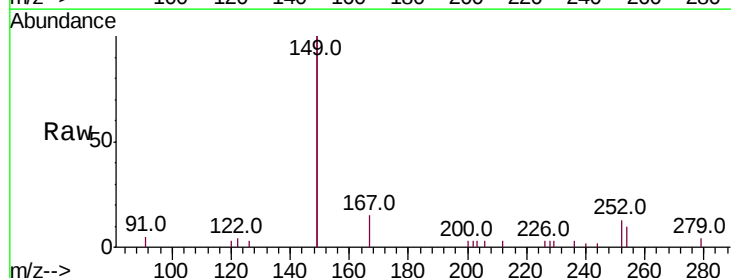
Instrument :
 BNA_E
 ClientSampleId :
 PB112113BSD

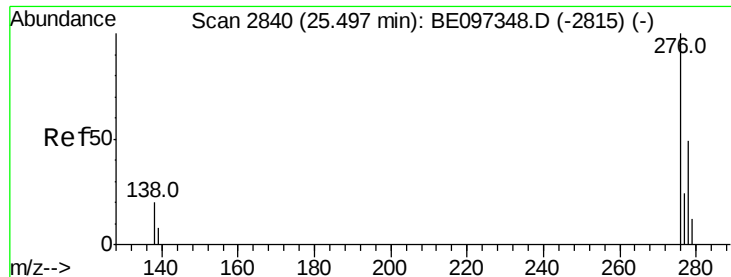
Tot	Ion:228	Resp:	4015
Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	20.1	16.0	24.0



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.308 ng
 RT: 20.92 min Scan# 1781
 Delta R.T. 0.00 min
 Lab File: BE097356.D
 Acq: 23 Aug 2018 12:32

Tgt Ion	149	Resp: Lower	3830 Upper
149	100		
167	6.7	5.4	8.0
279	0.9	0.7	1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.319 ng

RT: 25.50 min Scan# 2842

Delta R.T. 0.01 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

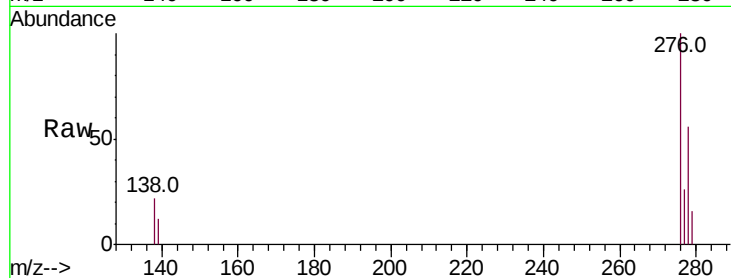
Tot Ion:276 Resp: 5464

Ion Ratio Lower Upper

276 100

138 21.6 22.5 33.7#

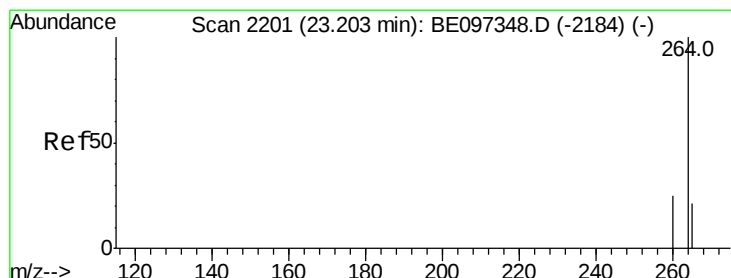
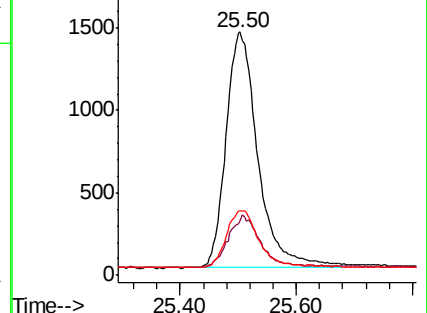
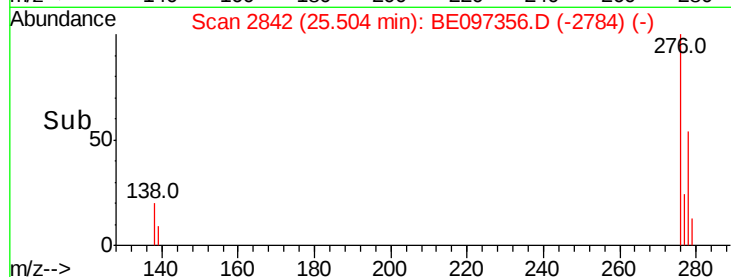
277 24.5 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

2000 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. 0.01 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

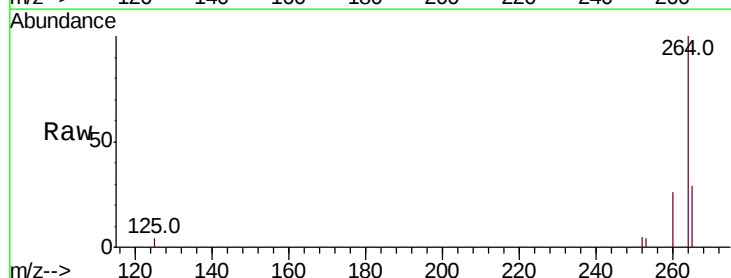
Tgt Ion:264 Resp: 4722

Ion Ratio Lower Upper

264 100

260 26.1 20.5 30.7

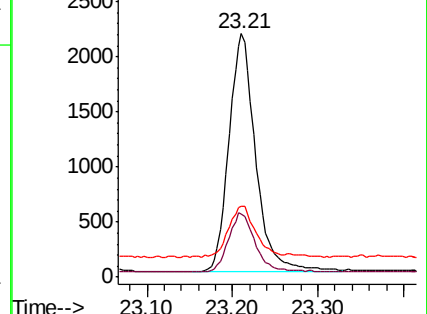
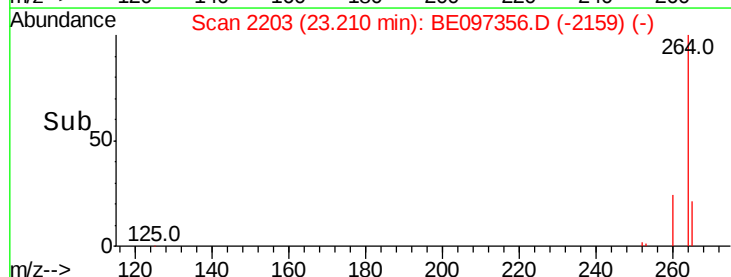
265 28.9 22.8 34.2

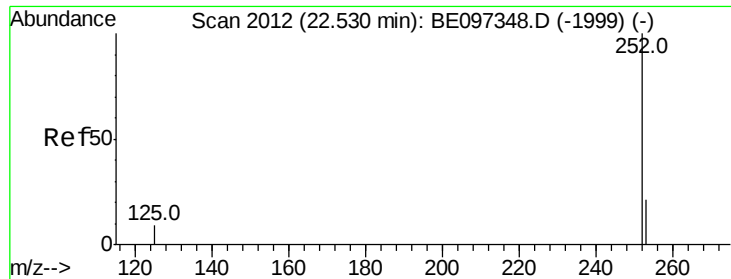


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.298 ng

RT: 22.53 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

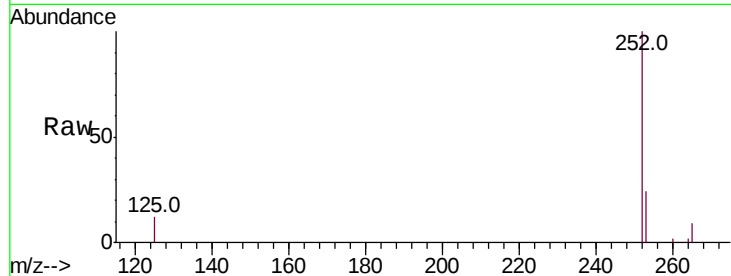
Tot Ion:252 Resp: 3709

Ion Ratio Lower Upper

252 100

253 24.1 20.0 30.0

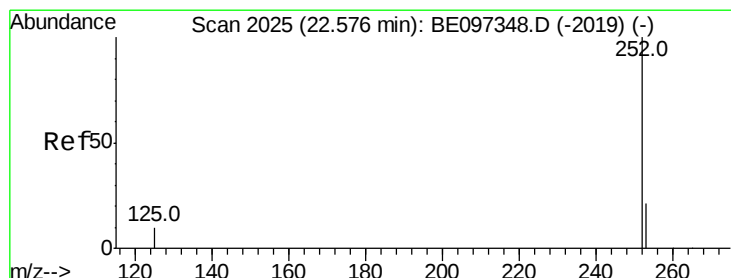
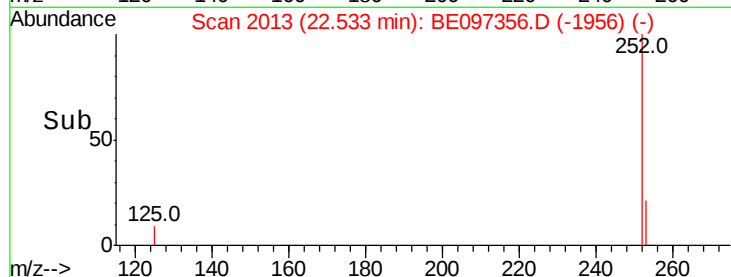
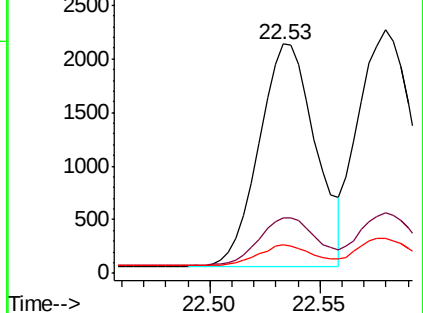
125 12.3 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.298 ng

RT: 22.58 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

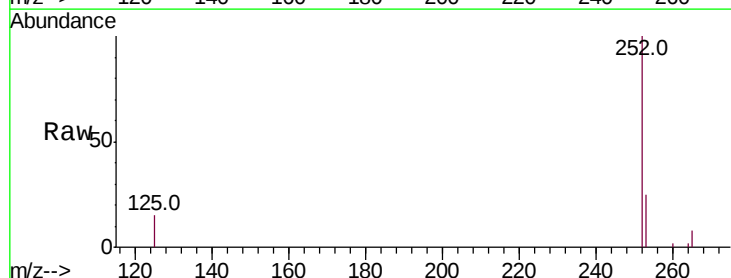
Tgt Ion:252 Resp: 4101

Ion Ratio Lower Upper

252 100

253 24.9 16.0 24.0#

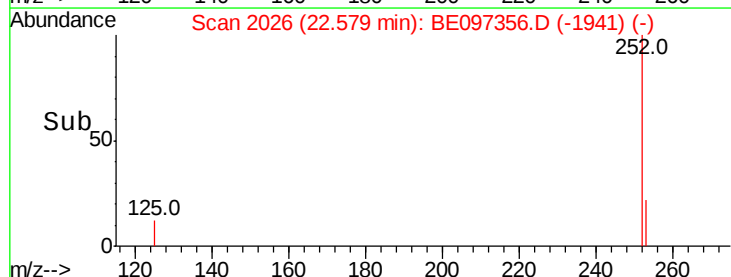
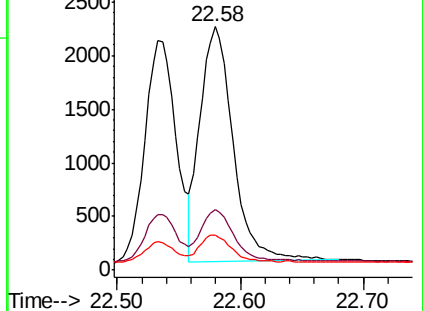
125 14.6 8.0 12.0#

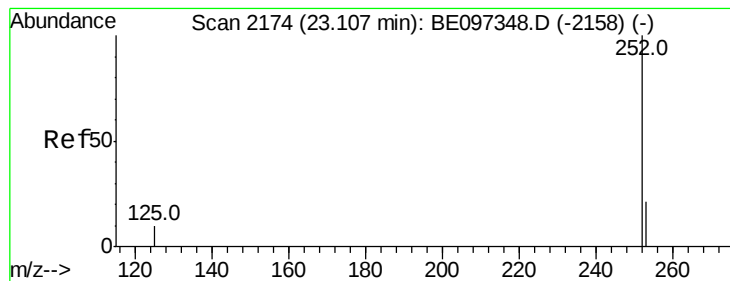


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.289 ng

RT: 23.11 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

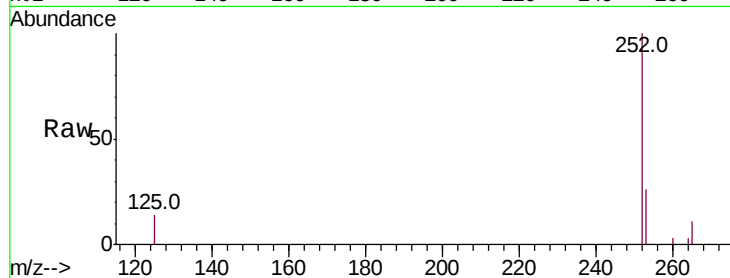
Tot Ion:252 Resp: 3526

Ion Ratio Lower Upper

252 100

253 26.0 16.0 24.0#

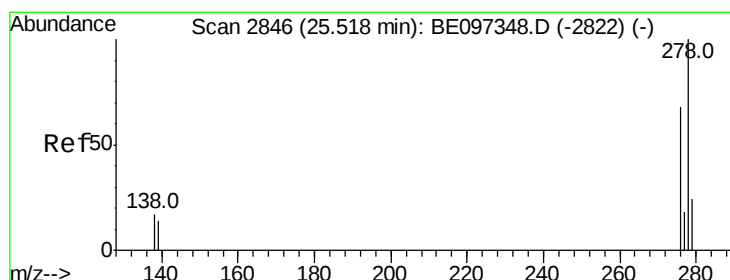
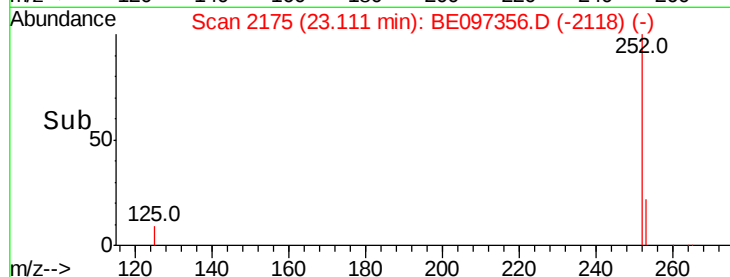
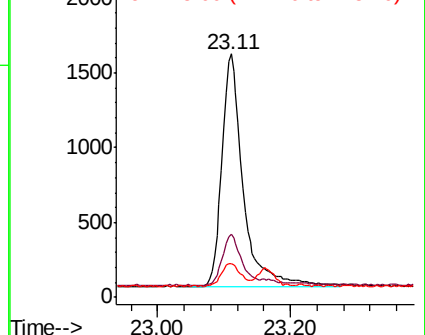
125 13.8 12.0 18.0



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: 0.322 ng

RT: 25.53 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

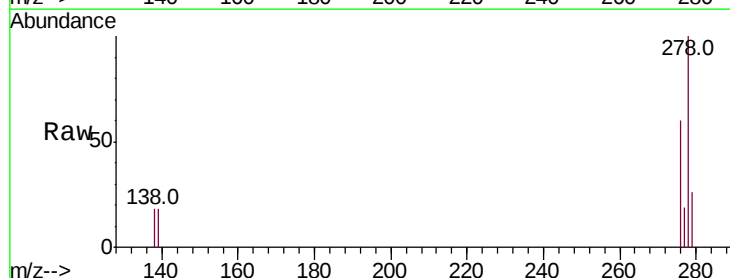
Tgt Ion:278 Resp: 4721

Ion Ratio Lower Upper

278 100

139 17.6 16.0 24.0

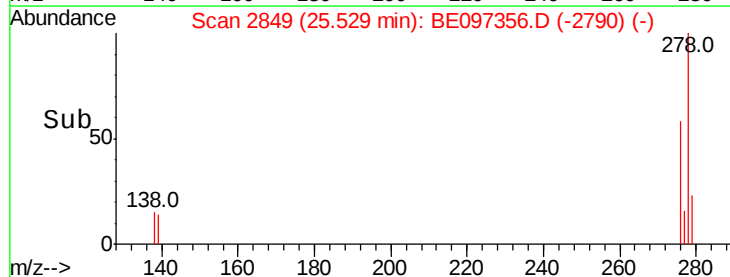
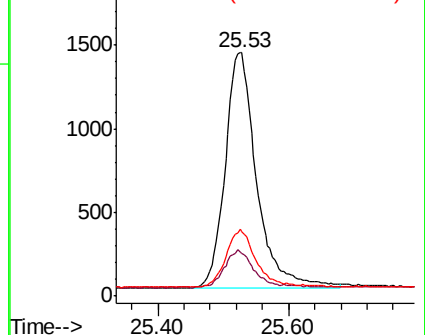
279 26.3 20.0 30.0

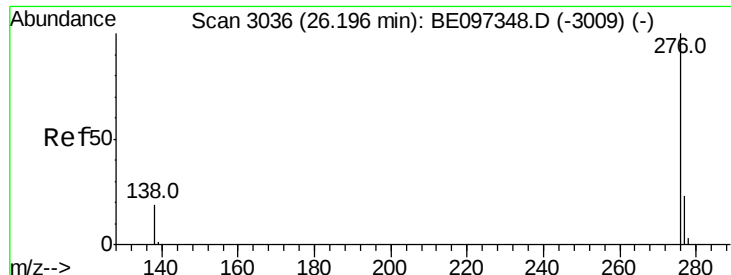


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.313 ng

RT: 26.20 min Scan# 3037

Delta R.T. 0.00 min

Lab File: BE097356.D

Acq: 23 Aug 2018 12:32

Instrument :

BNA_E

ClientSampleId :

PB112113BSD

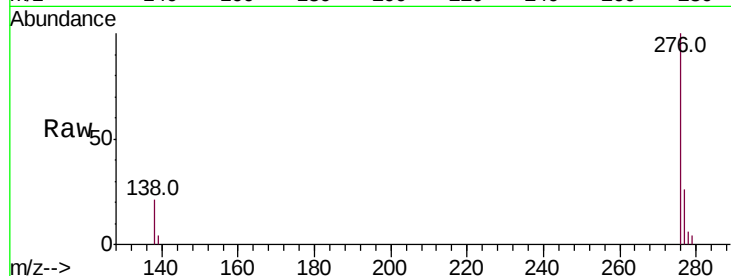
Tot Ion:276 Resp: 4777

Ion Ratio Lower Upper

276 100

277 26.1 16.0 24.0#

138 21.4 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

