

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100818\
 Data File : BE097798.D
 Acq On : 8 Oct 2018 18:07
 Operator : SJ/JU
 Sample : PB113550BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113550BSD

Quant Time: Oct 09 06:58:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 06:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	4694	0.40	ng	0.01
7) Naphthalene-d8	10.71	136	17989	0.40	ng	0.01
13) Acenaphthene-d10	14.56	164	8658	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	21286	0.40	ng	0.00
27) Chrysene-d12	21.49	240	23245	0.40	ng	0.00
34) Perylene-d12	24.03	264	25502	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.48	112	4631	0.42	ng	0.01
5) Phenol-d6	7.06	99	6349	0.37	ng	0.01
8) Nitrobenzene-d5	9.06	82	4119	0.71	ng	0.01
11) 2-Methylnaphthalene-d10	12.30	152	14310	0.50	ng	0.00
14) 2,4,6-Tribromophenol	16.05	330	657	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.19	172	15918	0.42	ng	0.00
25) Fluoranthene-d10	19.33	212	93174	0.35	ng	0.00
29) Terphenyl-d14	19.93	244	16526	0.35	ng	0.00

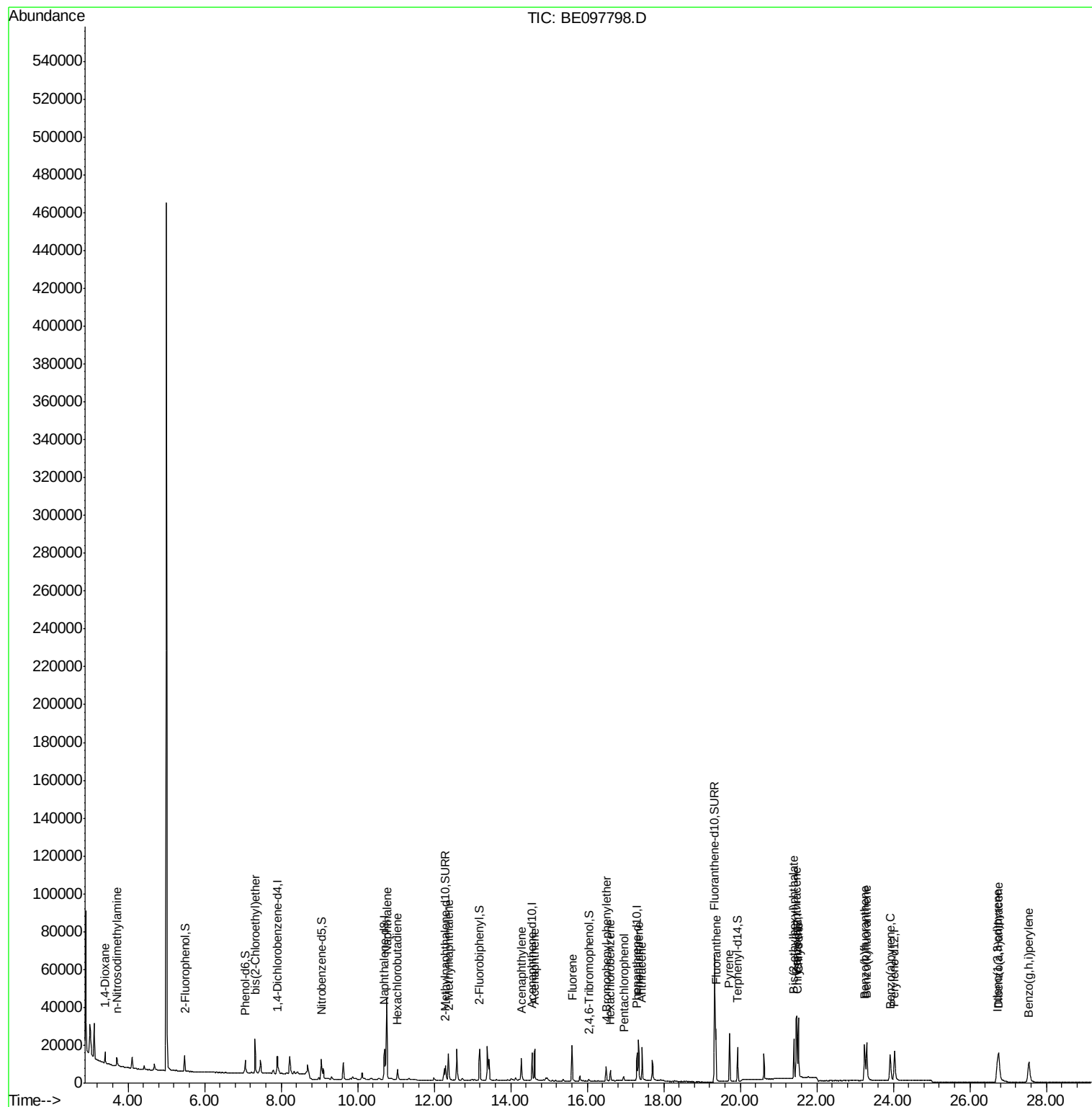
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	3733	0.399	ng	# 83
3) n-Nitrosodimethylamine	3.71	42	3437	0.404	ng	# 85
6) bis(2-Chloroethyl)ether	7.32	93	6062	0.344	ng	95
9) Naphthalene	10.76	128	73469	0.405	ng	99
10) Hexachlorobutadiene	11.04	225	3692	0.384	ng	96
12) 2-Methylnaphthalene	12.38	142	11805	0.407	ng	97
16) Acenaphthylene	14.28	152	14940	0.390	ng	99
17) Acenaphthene	14.63	154	9645	0.393	ng	97
18) Fluorene	15.60	166	12490	0.383	ng	100
20) 4-Bromophenyl-phenylether	16.50	248	4141	0.371	ng	89
21) Hexachlorobenzene	16.60	284	4514	0.359	ng	98
22) Pentachlorophenol	16.95	266	1401	0.711	ng	95
23) Phenanthrene	17.34	178	22338	0.407	ng	100
24) Anthracene	17.43	178	18989	0.401	ng	99
26) Fluoranthene	19.36	202	24758	0.354	ng	99
28) Pyrene	19.72	202	24428	0.414	ng	99
30) Benzo(a)anthracene	21.46	228	27604	0.442	ng	98
31) Chrysene	21.52	228	29175	0.418	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	20370	0.446	ng	99
33) Indeno(1,2,3-cd)pyrene	26.72	276	32041	0.528	ng	98
35) Benzo(b)fluoranthene	23.25	252	29529	0.422	ng	99
36) Benzo(k)fluoranthene	23.30	252	32547	0.419	ng	98
37) Benzo(a)pyrene	23.92	252	26343	0.416	ng	100
38) Dibenzo(a,h)anthracene	26.76	278	27243	0.437	ng	98
39) Benzo(g,h,i)perylene	27.54	276	29961	0.459	ng	99

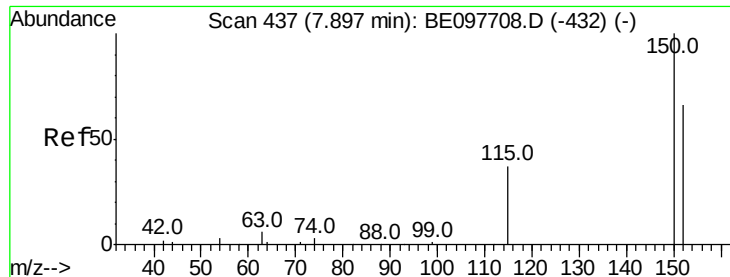
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 438

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

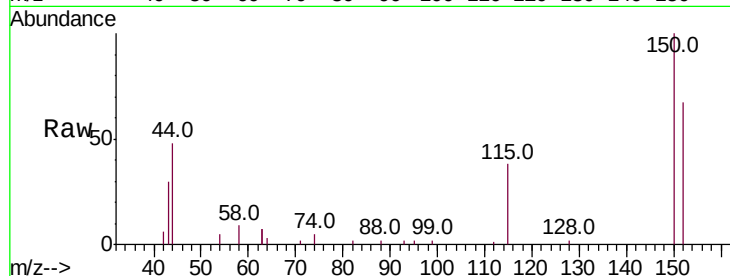
Tot Ion:152 Resp: 4694

Ion Ratio Lower Upper

152 100

150 148.5 120.9 181.3

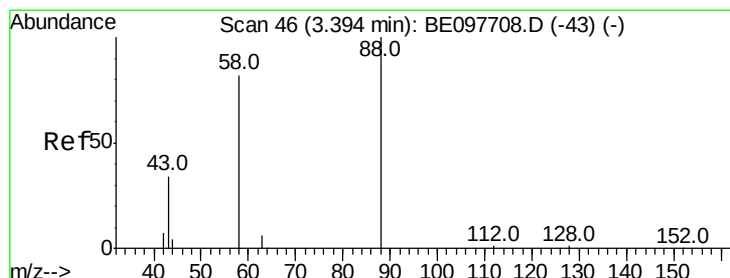
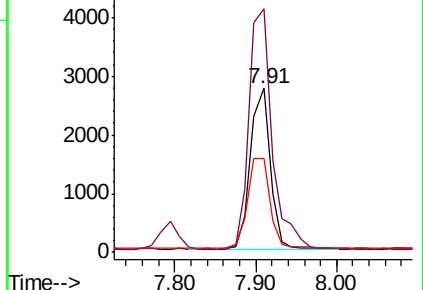
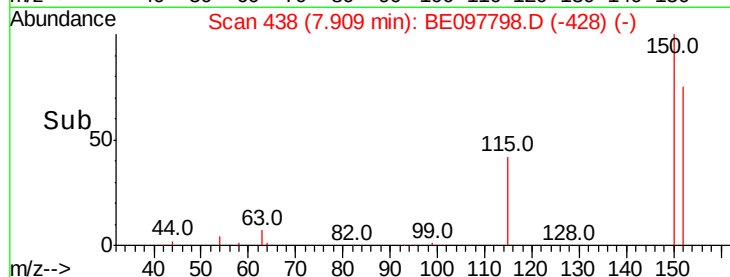
115 56.9 46.6 69.8



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: 0.399 ng

RT: 3.41 min Scan# 47

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

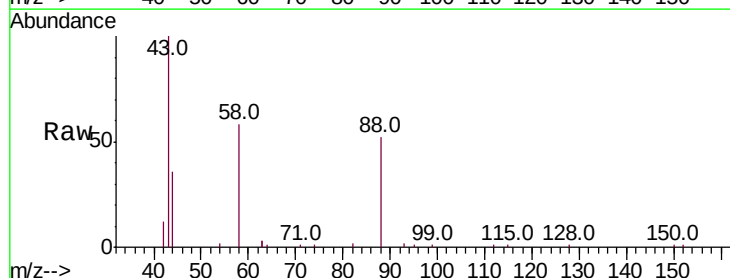
Tgt Ion: 88 Resp: 3733

Ion Ratio Lower Upper

88 100

58 97.4 70.8 106.2

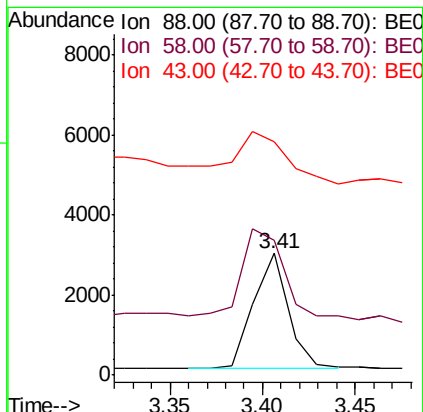
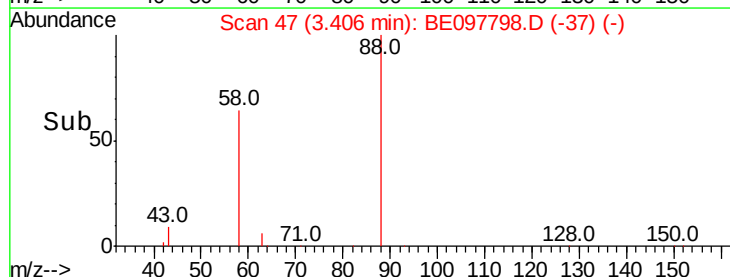
43 63.1 33.3 49.9#

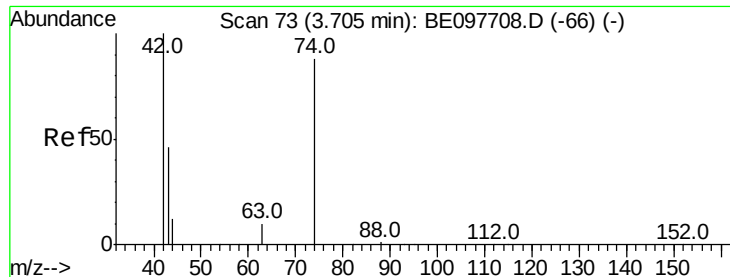


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.404 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

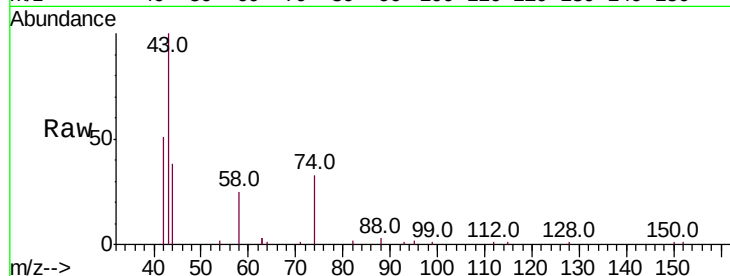
Tot Ion: 42 Resp: 3437

Ion Ratio Lower Upper

42 100

74 101.9 70.7 106.1

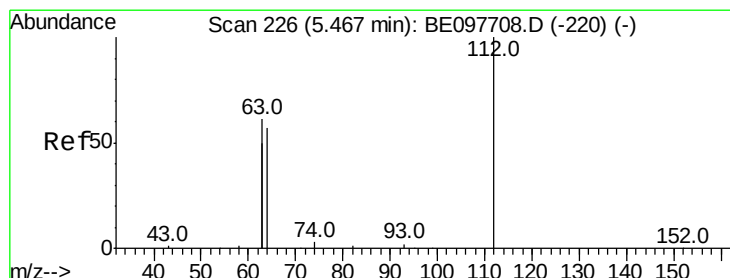
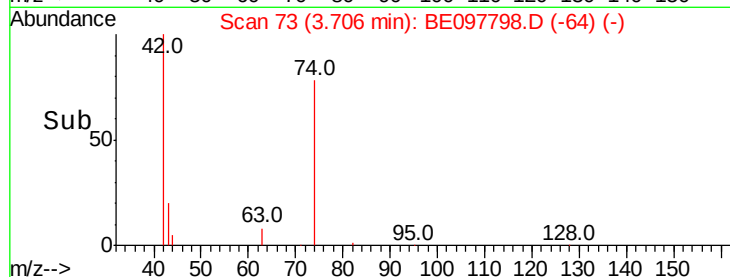
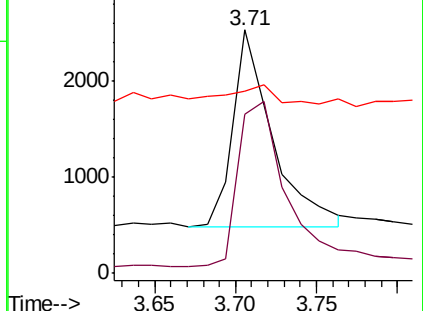
44 11.4 15.0 22.4#



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: 0.417 ng

RT: 5.48 min Scan# 227

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

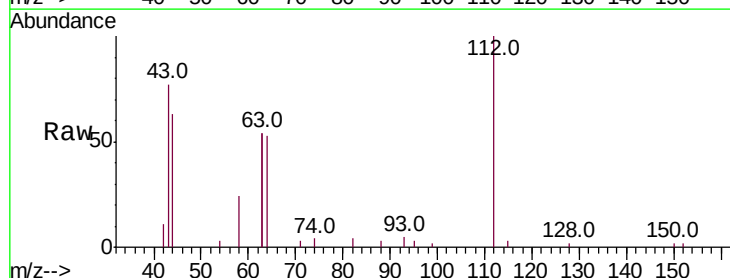
Tgt Ion: 112 Resp: 4631

Ion Ratio Lower Upper

112 100

64 68.3 56.6 84.8

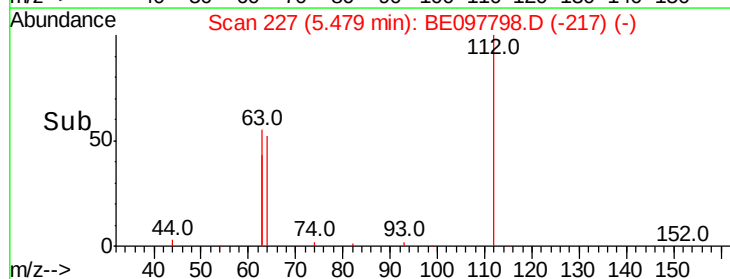
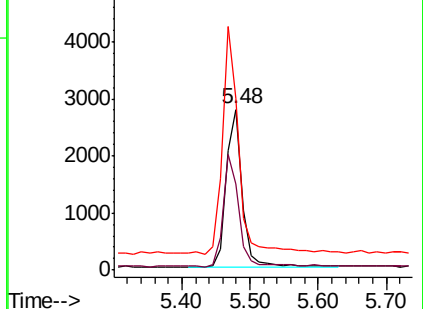
63 145.2 119.4 179.0

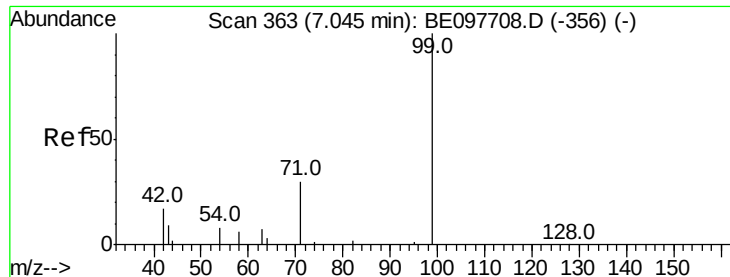


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.373 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

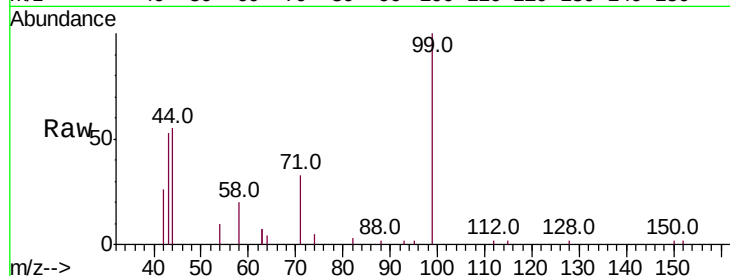
Tot Ion: 99 Resp: 6349

Ion Ratio Lower Upper

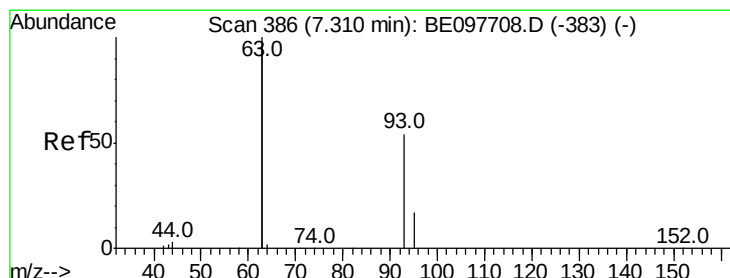
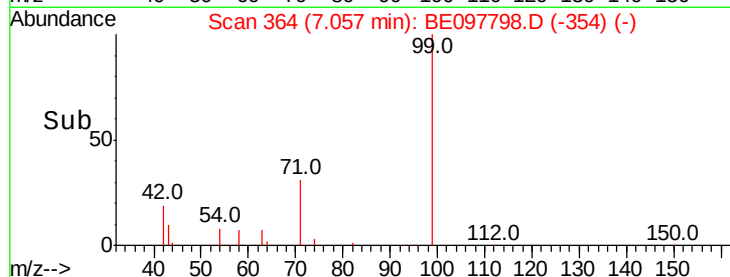
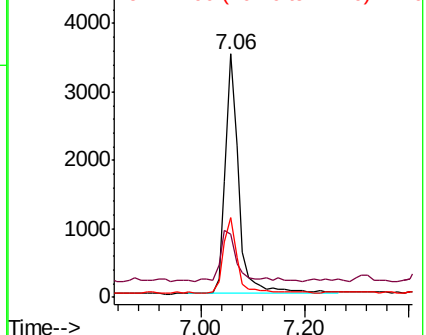
99 100

42 24.8 19.9 29.9

71 31.1 25.4 38.2



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: 0.344 ng

RT: 7.32 min Scan# 387

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

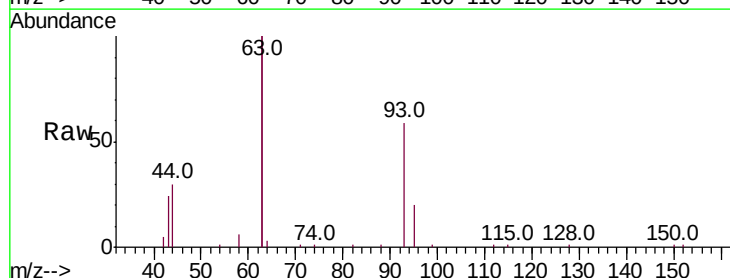
Tgt Ion: 93 Resp: 6062

Ion Ratio Lower Upper

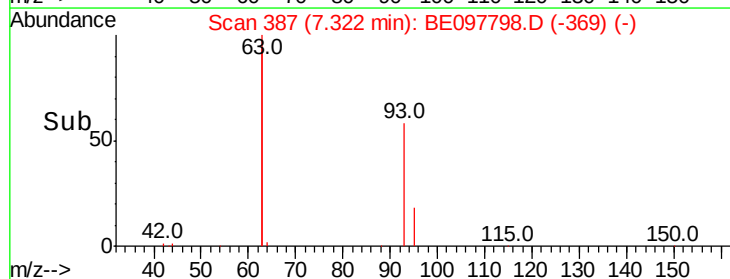
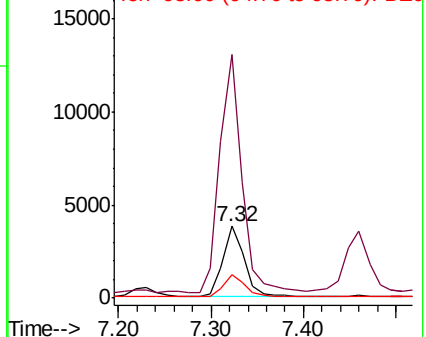
93 100

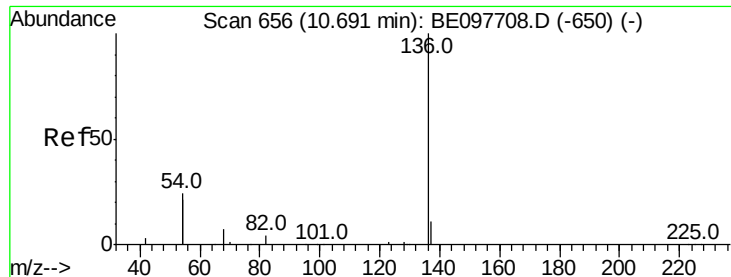
63 346.2 266.9 400.3

95 33.0 26.2 39.2



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: 10.71 min Scan# 657

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

Tot Ion:136 Resp: 17989

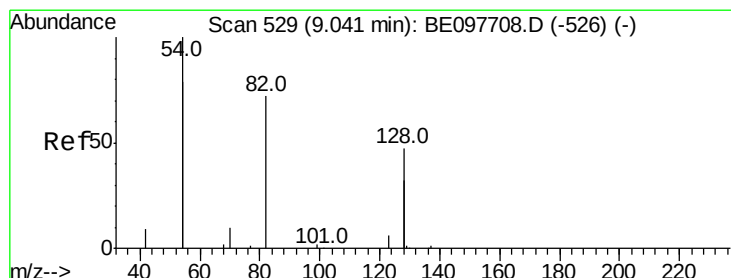
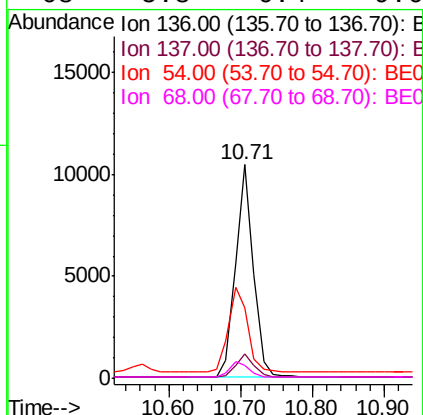
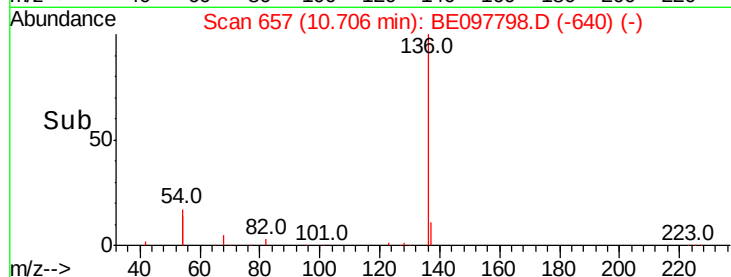
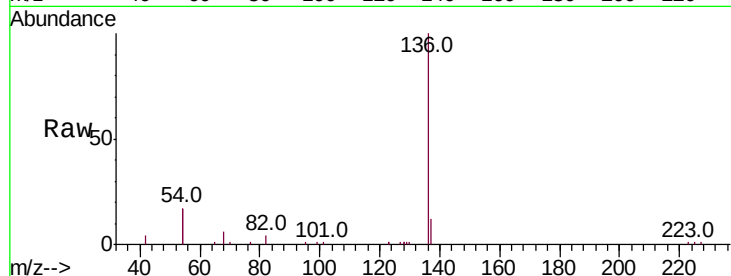
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 33.2 37.8 56.6#

68 5.8 6.4 9.6#



#8

Nitrobenzene-d5

Concen: 0.705 ng

RT: 9.06 min Scan# 530

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

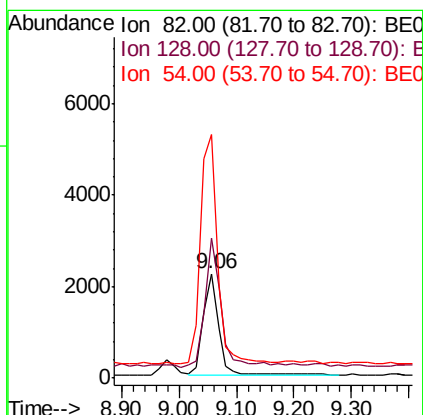
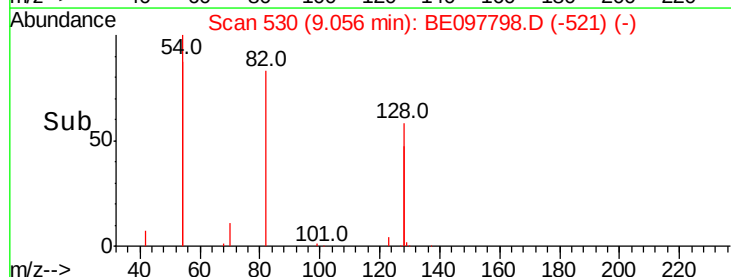
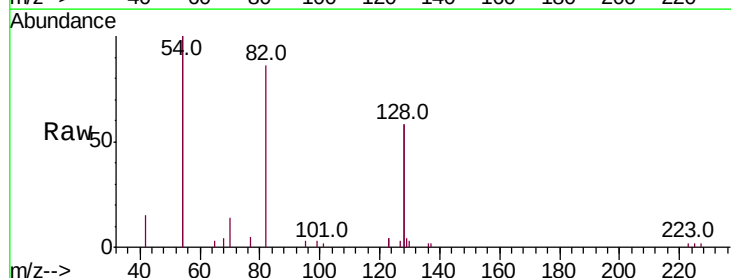
Tgt Ion: 82 Resp: 4119

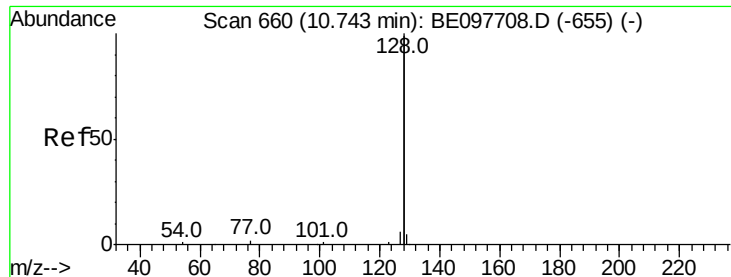
Ion Ratio Lower Upper

82 100

128 133.8 97.0 145.4

54 232.7 206.9 310.3





#9

Naphthalene

Concen: 0.405 ng

RT: 10.76 min Scan# 661

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

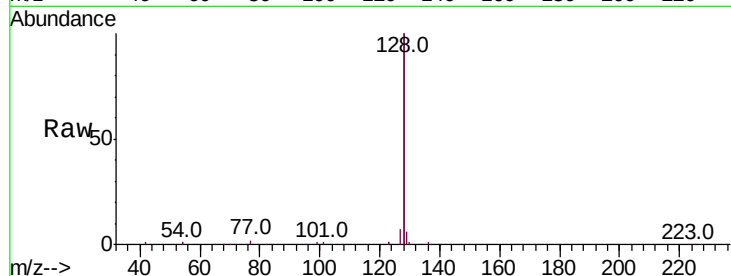
Tot Ion:128 Resp: 73469

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.2

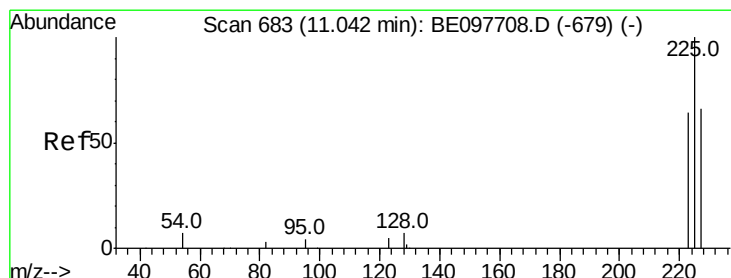
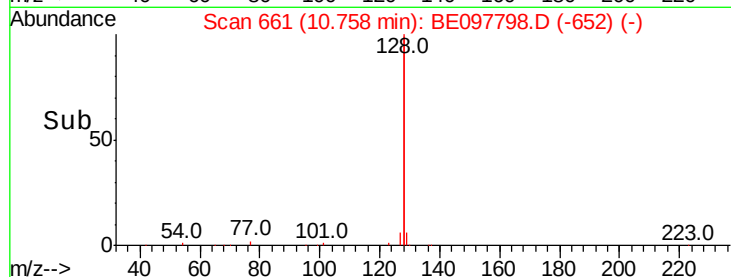
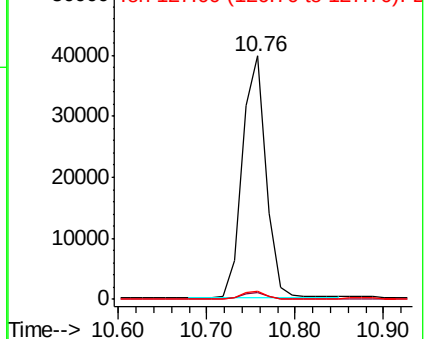
127 3.3 2.7 4.1



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: 0.384 ng

RT: 11.04 min Scan# 683

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

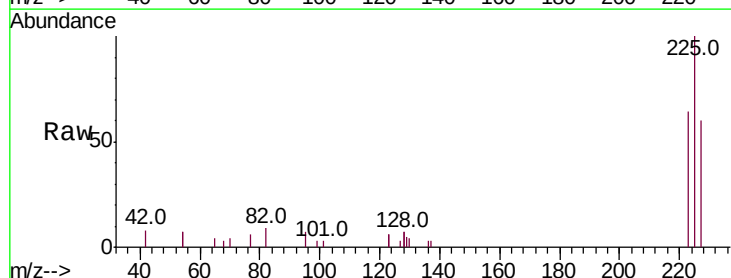
Tgt Ion:225 Resp: 3692

Ion Ratio Lower Upper

225 100

223 60.5 52.2 78.4

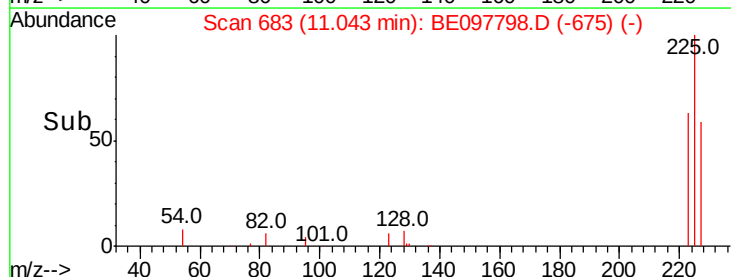
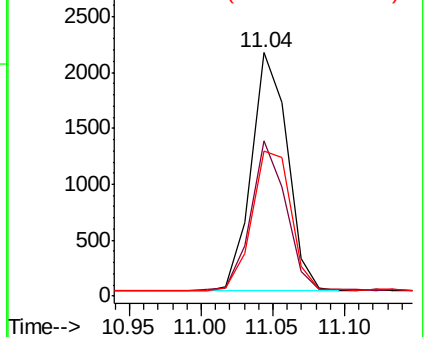
227 64.8 51.2 76.8

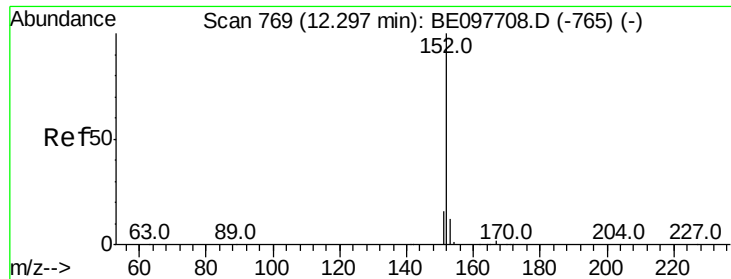


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

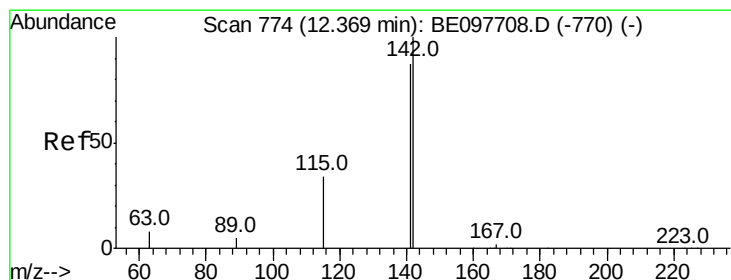
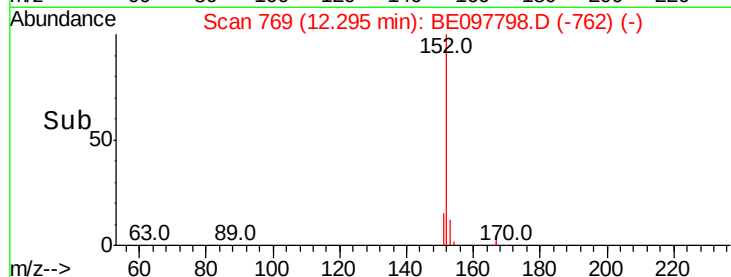
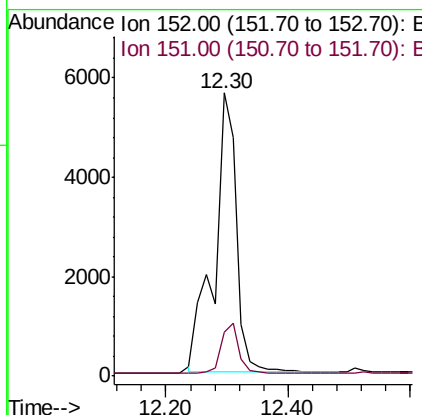
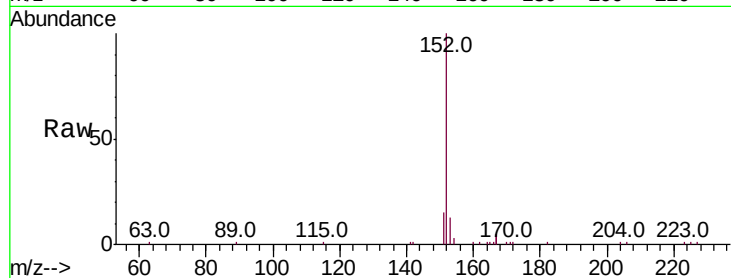




#11
 2-Methylnaphthalene-d10
 Concen: 0.500 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE097798.D
 Acq: 8 Oct 2018 18:07

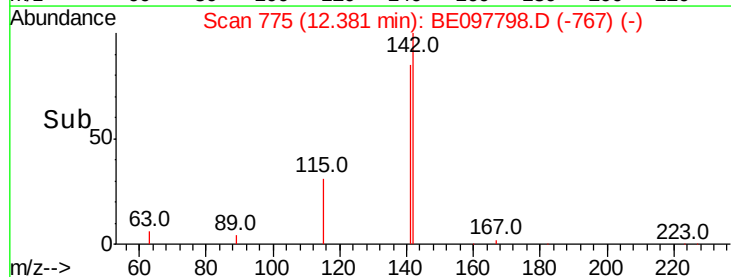
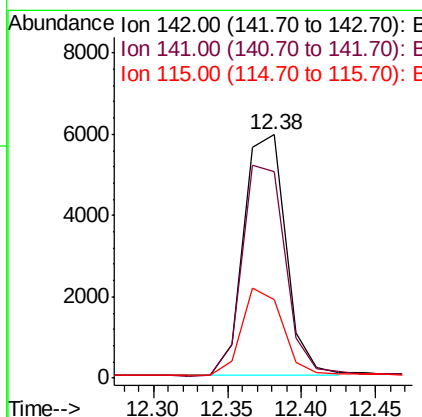
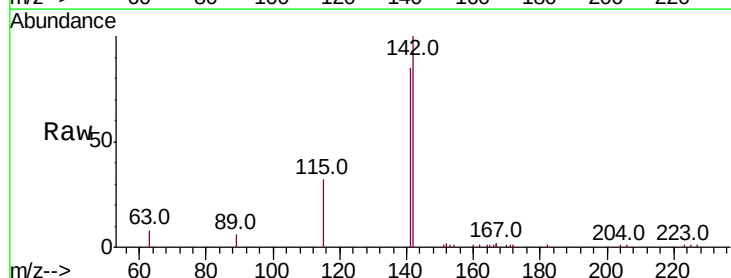
Instrument :
 BNA_E
 ClientSampleId :
 PB113550BSD

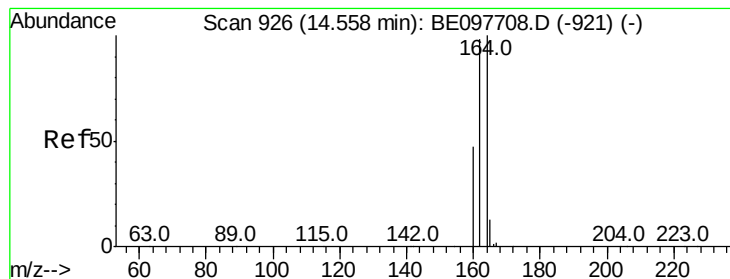
Tot Ion:152 Resp: 14310
 Ion Ratio Lower Upper
 152 100
 151 14.7 15.4 23.2#



#12
 2-Methylnaphthalene
 Concen: 0.407 ng
 RT: 12.38 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: BE097798.D
 Acq: 8 Oct 2018 18:07

Tgt Ion:142 Resp: 11805
 Ion Ratio Lower Upper
 142 100
 141 84.7 69.4 104.2
 115 32.2 28.0 42.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.56 min Scan# 926

Delta R.T. -0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

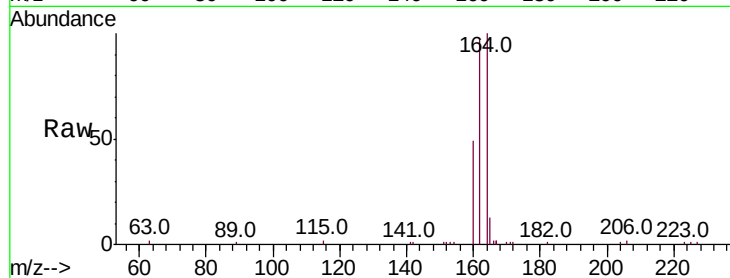
Tot Ion:164 Resp: 8658

Ion Ratio Lower Upper

164 100

162 96.7 78.6 117.8

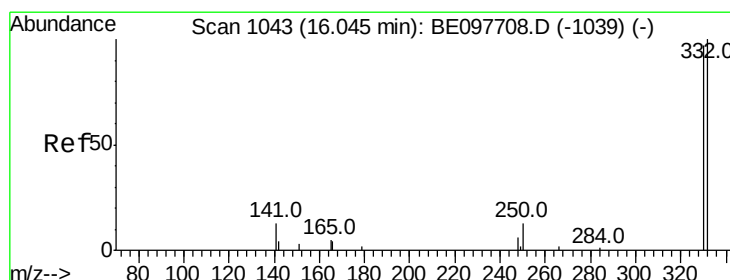
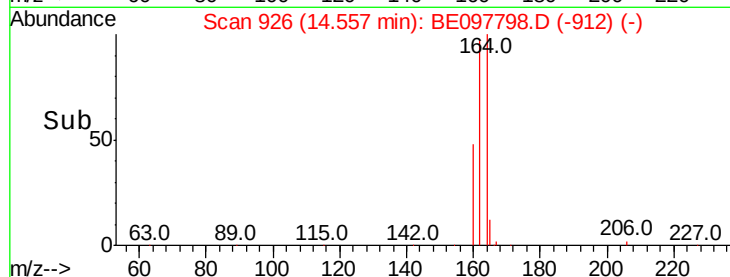
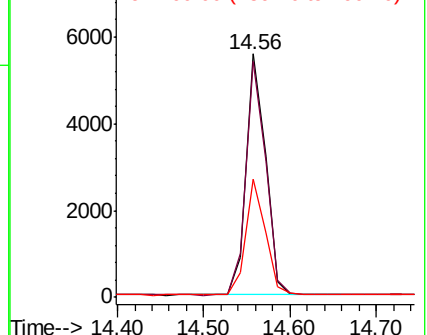
160 48.6 37.8 56.6



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: 0.419 ng

RT: 16.05 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

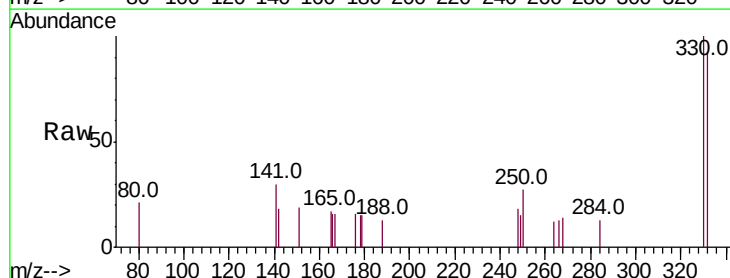
Tgt Ion:330 Resp: 657

Ion Ratio Lower Upper

330 100

332 93.6 83.5 125.3

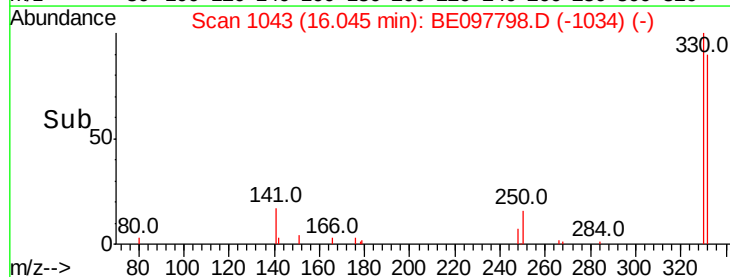
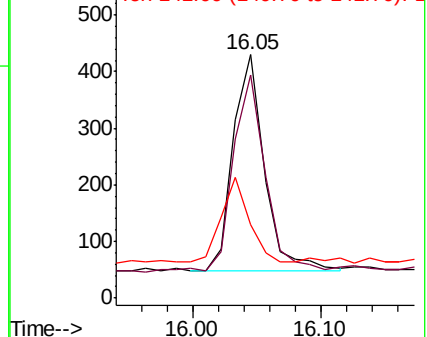
141 35.2 34.9 52.3

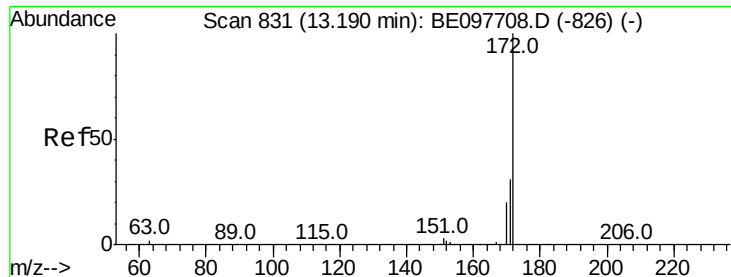


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.418 ng

RT: 13.19 min Scan# 831

Delta R.T. -0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

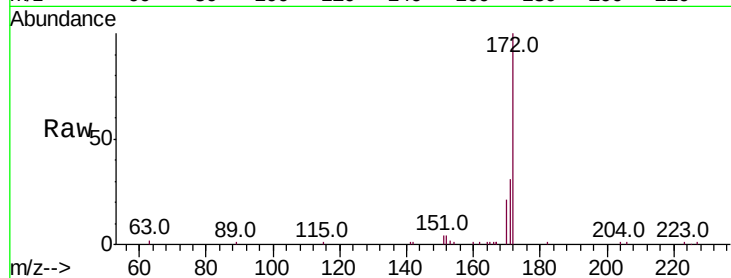
Tot Ion:172 Resp: 15918

Ion Ratio Lower Upper

172 100

171 31.2 25.2 37.8

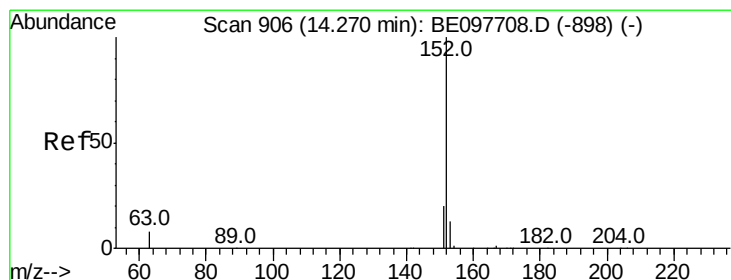
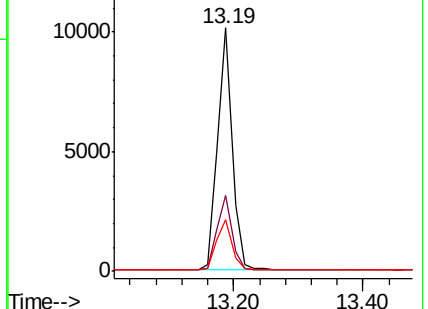
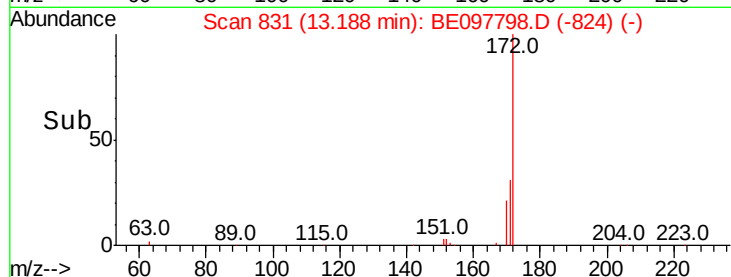
170 21.2 16.2 24.2



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: 0.390 ng

RT: 14.28 min Scan# 907

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

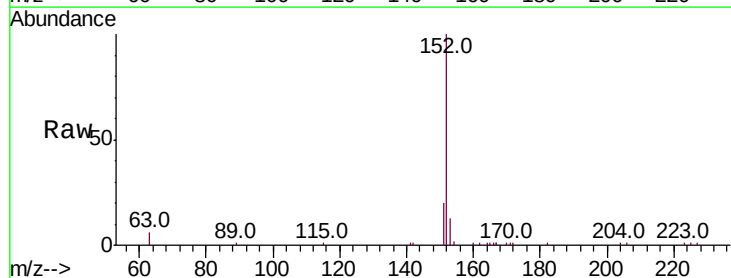
Tgt Ion:152 Resp: 14940

Ion Ratio Lower Upper

152 100

151 19.9 15.3 22.9

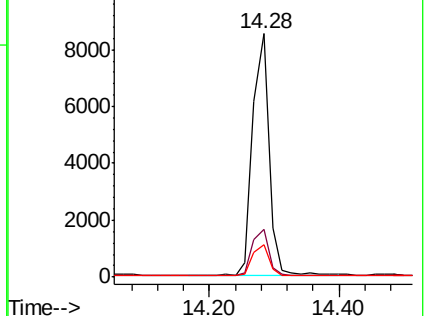
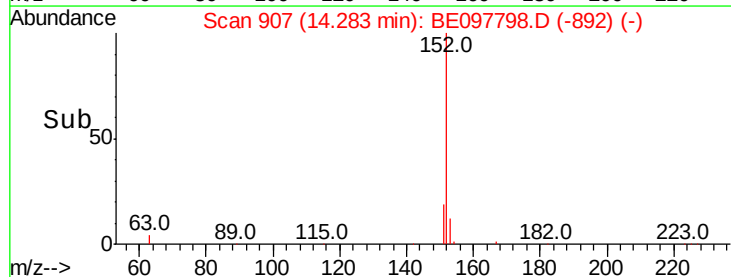
153 13.3 10.8 16.2

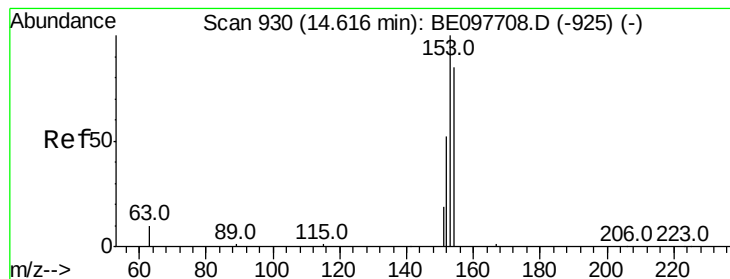


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.393 ng

RT: 14.63 min Scan# 931

Delta R.T. 0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

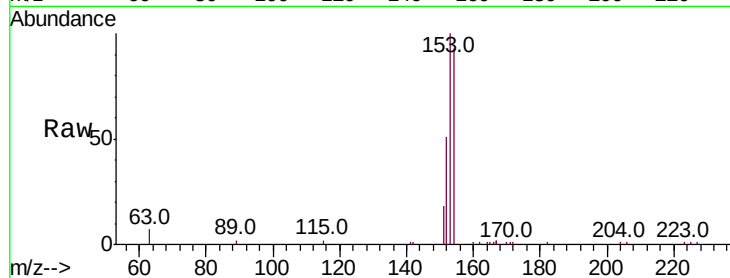
Tot Ion:154 Resp: 9645

Ion Ratio Lower Upper

154 100

153 113.7 93.3 139.9

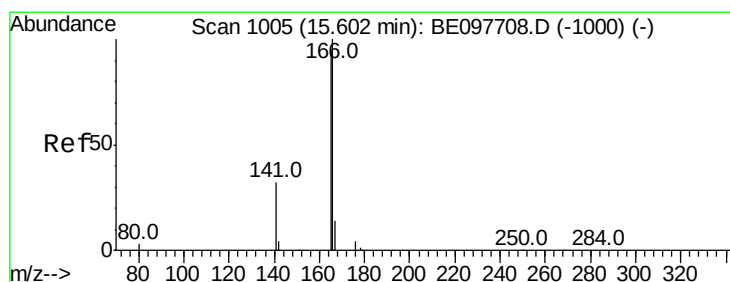
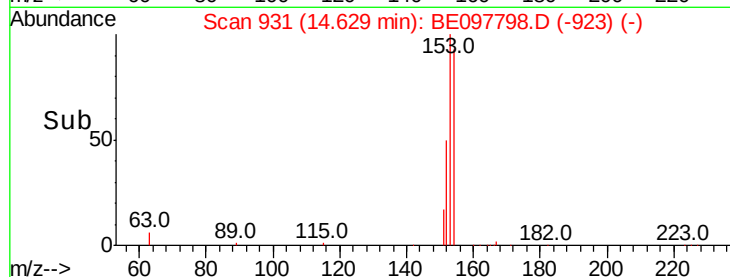
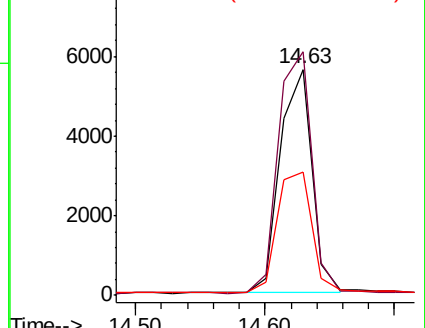
152 58.8 48.9 73.3



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: 0.383 ng

RT: 15.60 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

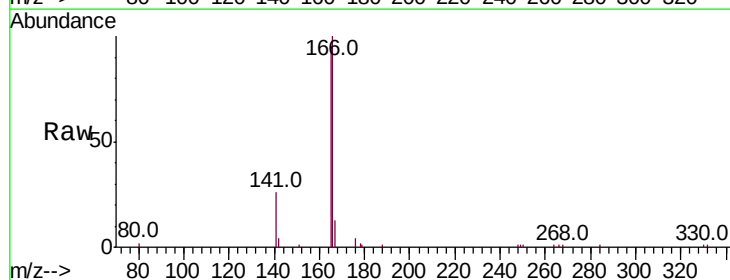
Tgt Ion:166 Resp: 12490

Ion Ratio Lower Upper

166 100

165 98.7 79.0 118.4

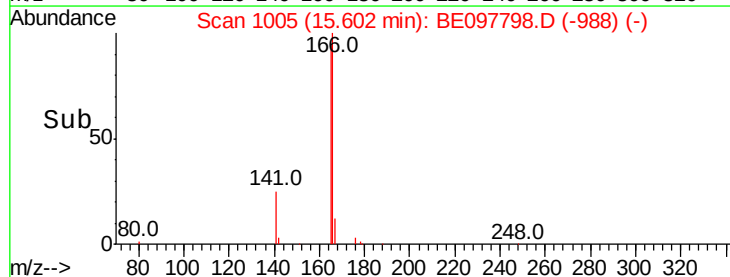
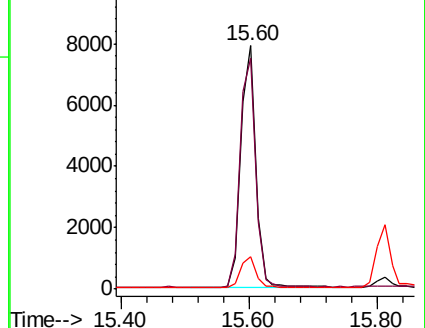
167 13.4 11.1 16.7

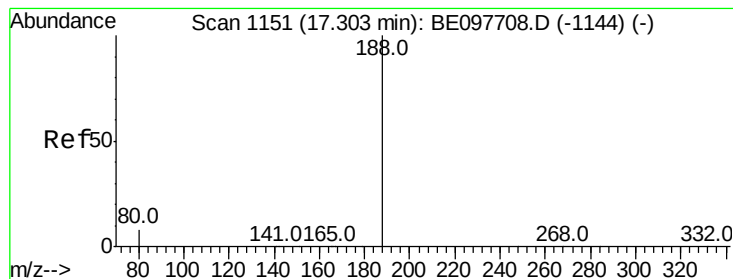


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.30 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

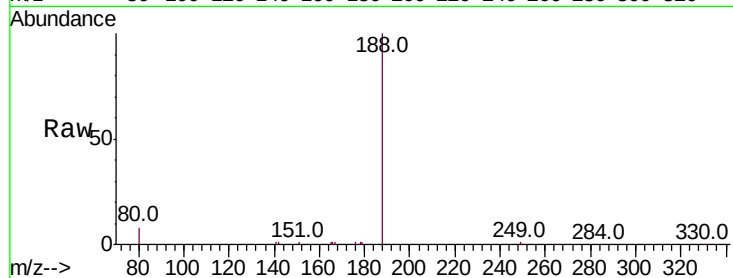
Tot Ion:188 Resp: 21286

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

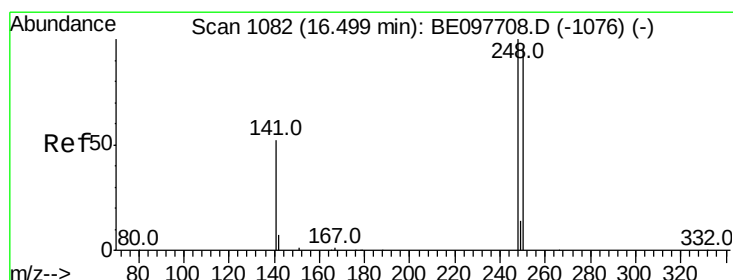
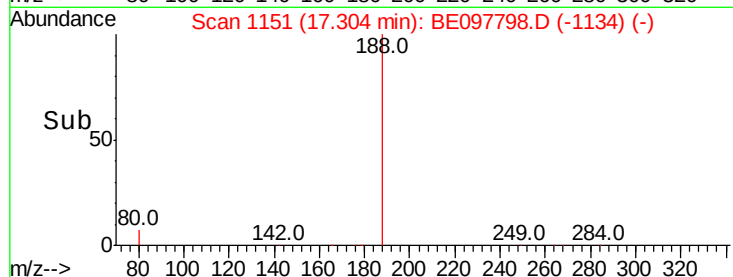
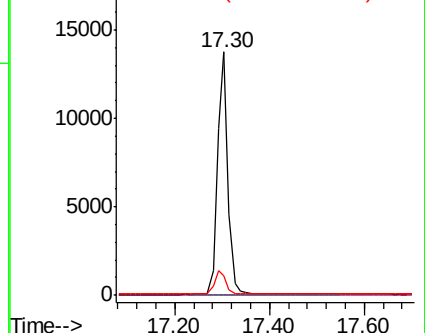
80 8.0 6.6 9.8



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: 0.371 ng

RT: 16.50 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

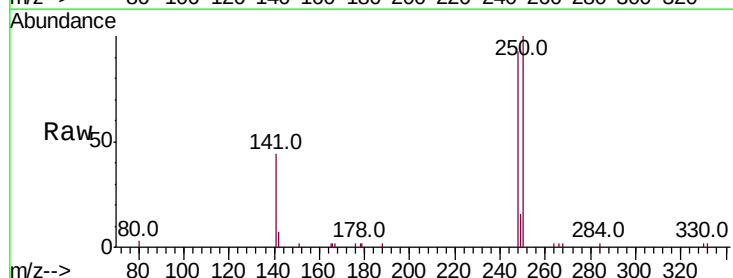
Tgt Ion:248 Resp: 4141

Ion Ratio Lower Upper

248 100

250 107.4 76.1 114.1

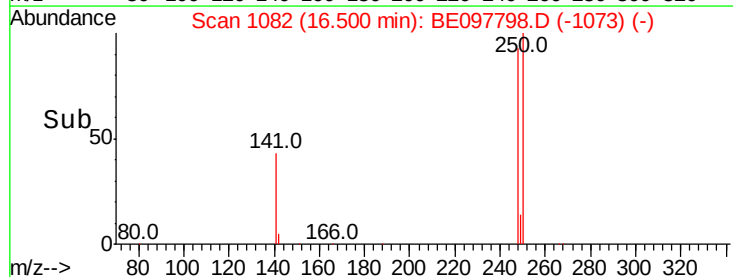
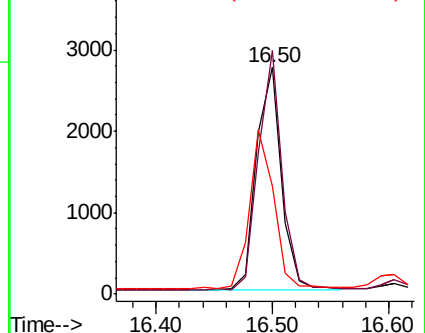
141 47.8 42.2 63.4

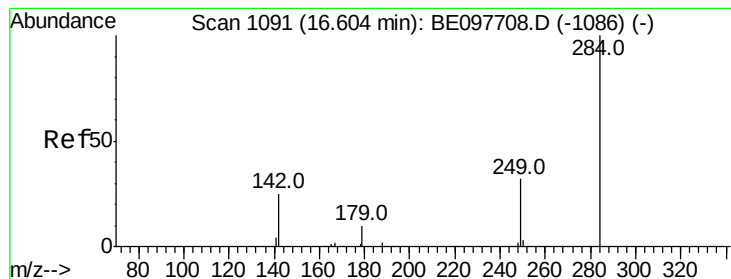


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.359 ng

RT: 16.60 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

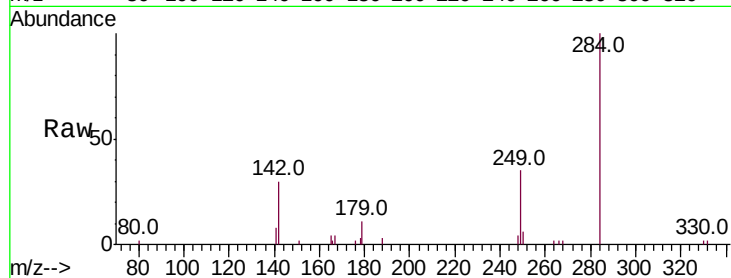
Tot Ion:284 Resp: 4514

Ion Ratio Lower Upper

284 100

142 32.9 24.9 37.3

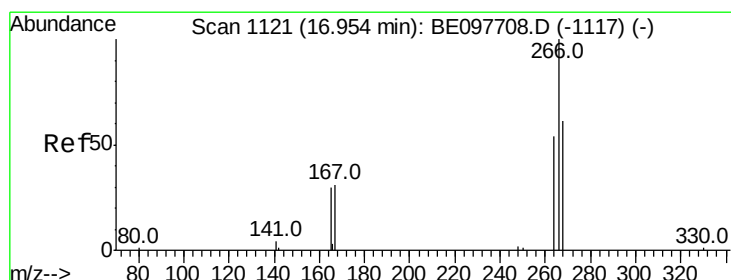
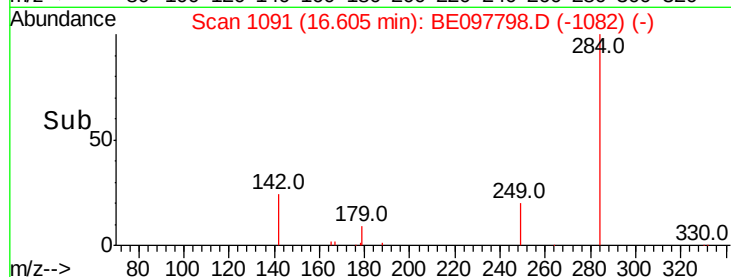
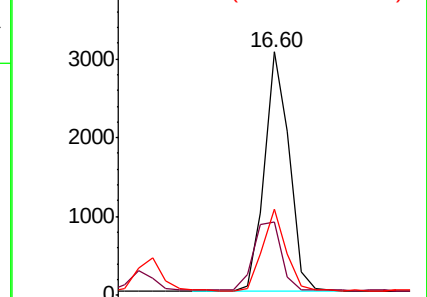
249 32.2 25.8 38.8



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: 0.711 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

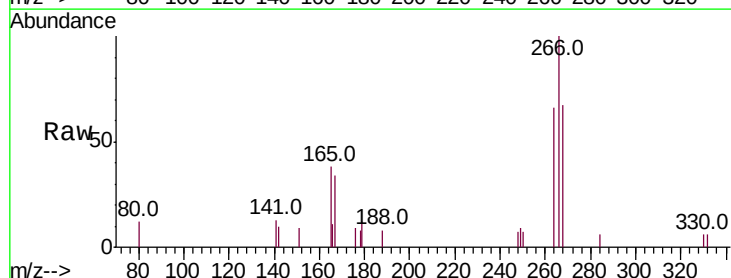
Tgt Ion:266 Resp: 1401

Ion Ratio Lower Upper

266 100

264 65.5 46.8 70.2

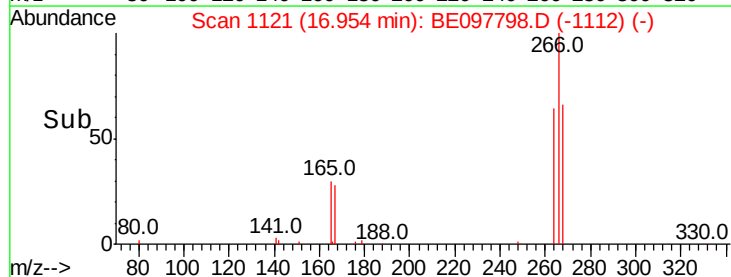
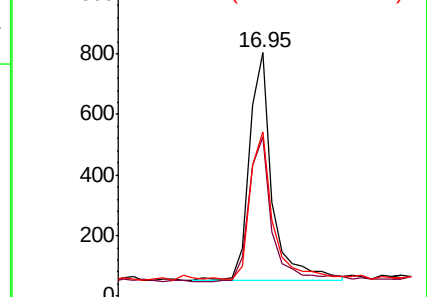
268 67.4 53.0 79.6

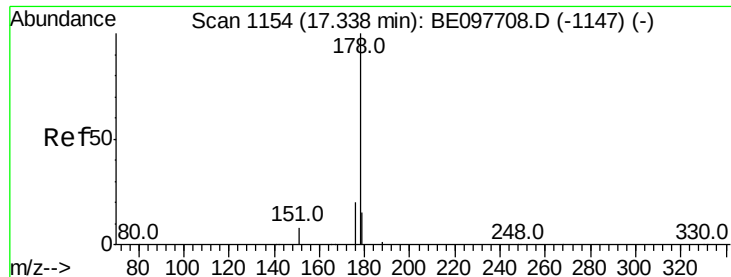


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

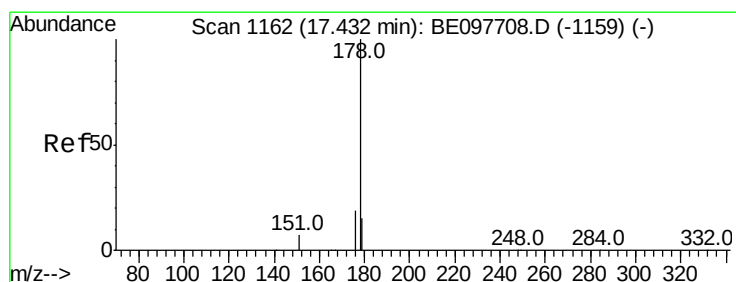
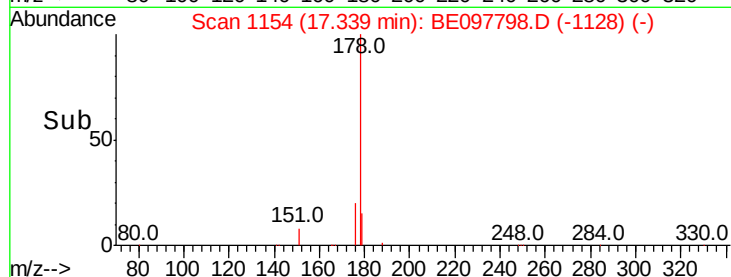
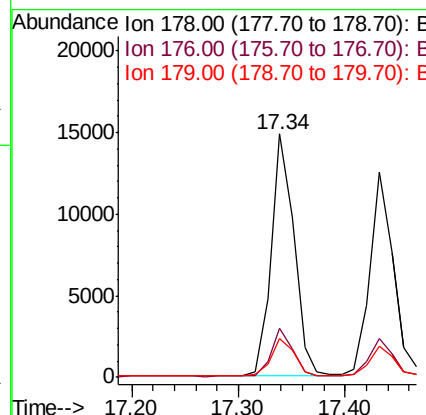
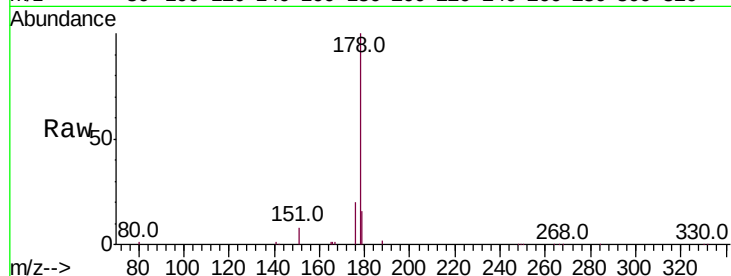




#23
Phenanthrene
Concen: 0.407 ng
RT: 17.34 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097798.D
Acq: 8 Oct 2018 18:07

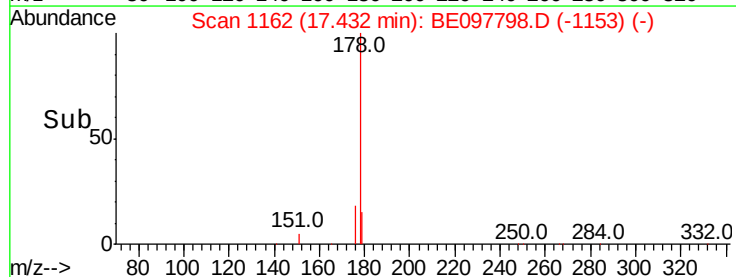
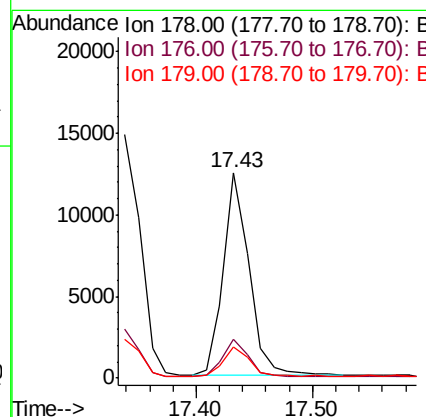
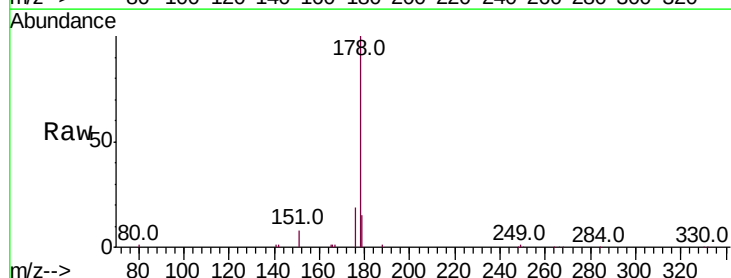
Instrument :
BNA_E
ClientSampleId :
PB113550BSD

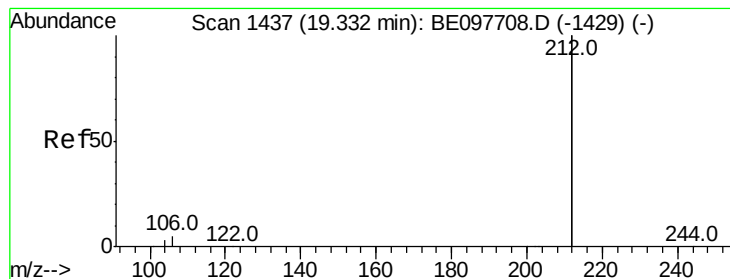
Tot Ion:178 Resp: 22338
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.5 12.2 18.4



#24
Anthracene
Concen: 0.401 ng
RT: 17.43 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE097798.D
Acq: 8 Oct 2018 18:07

Tgt Ion:178 Resp: 18989
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.4 12.2 18.2





#25

Fluoranthene-d10

Concen: 0.346 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

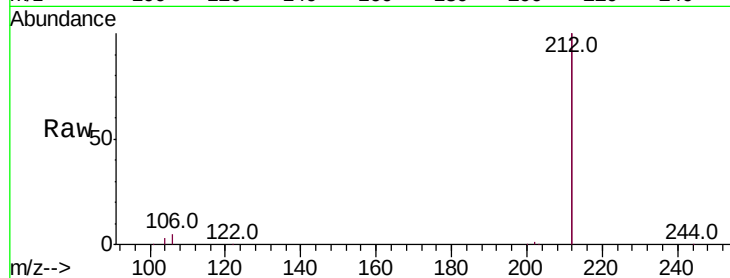
Tot Ion:212 Resp: 93174

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

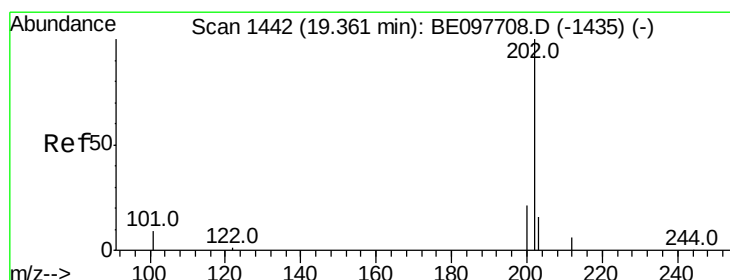
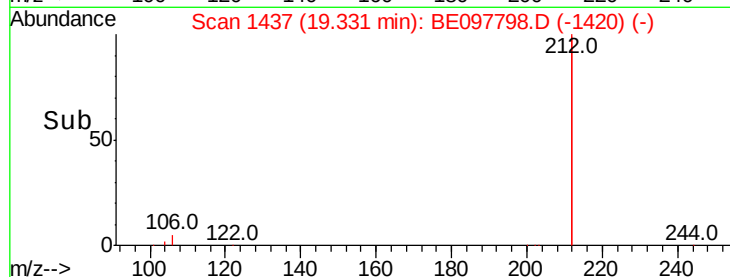
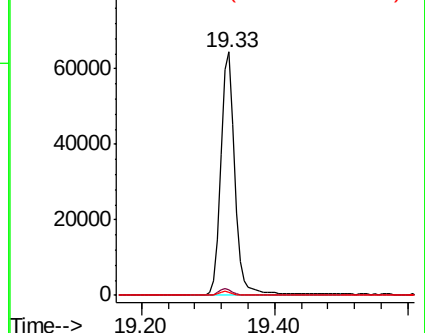
104 1.5 1.2 1.8



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: 0.354 ng

RT: 19.36 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

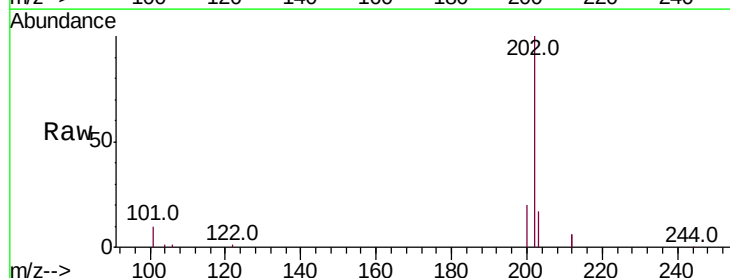
Tgt Ion:202 Resp: 24758

Ion Ratio Lower Upper

202 100

101 10.1 7.8 11.8

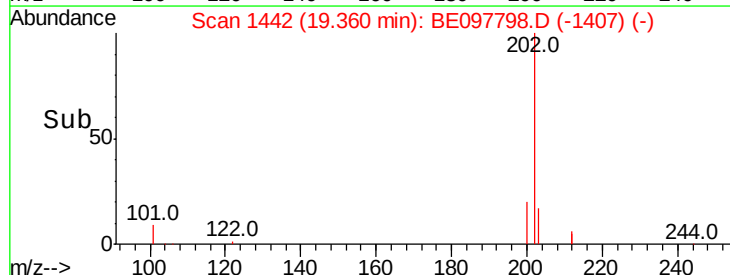
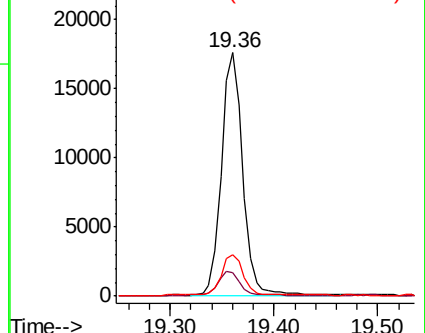
203 16.8 13.8 20.6

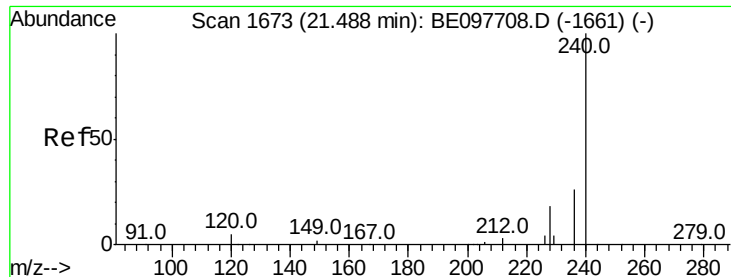


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.49 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

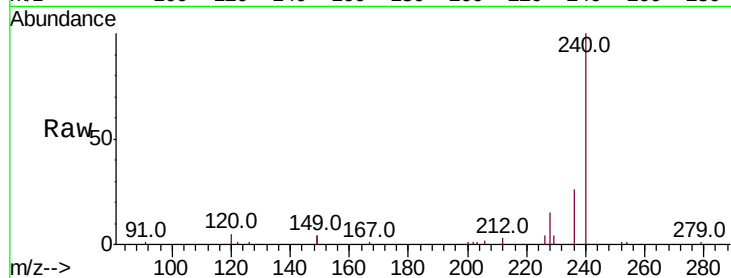
Tot Ion:240 Resp: 23245

Ion Ratio Lower Upper

240 100

120 4.7 4.7 7.1#

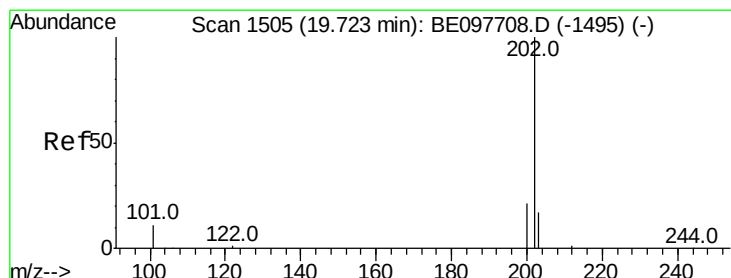
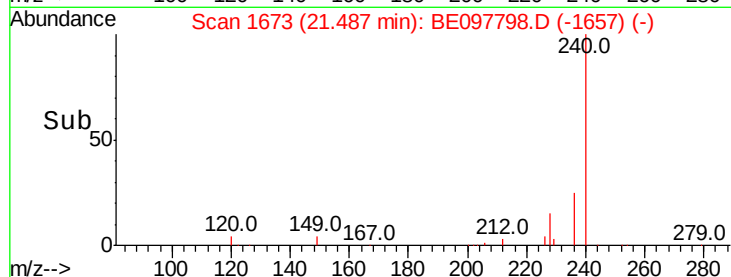
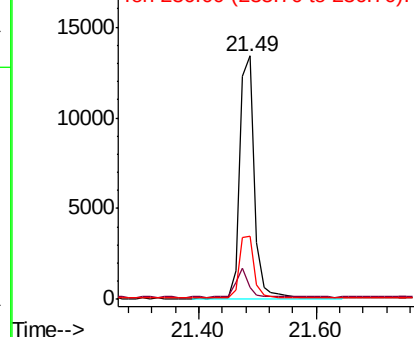
236 26.0 20.8 31.2



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: 0.414 ng

RT: 19.72 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

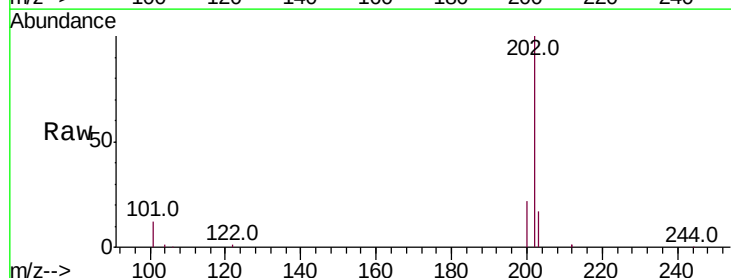
Tgt Ion:202 Resp: 24428

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

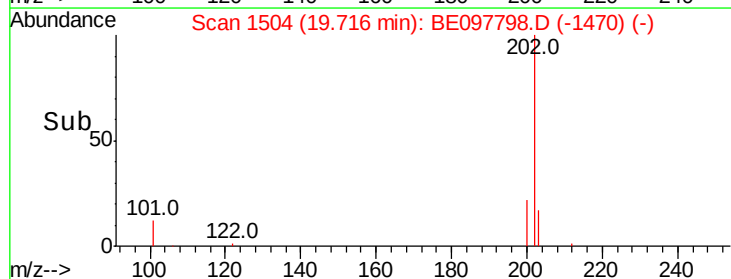
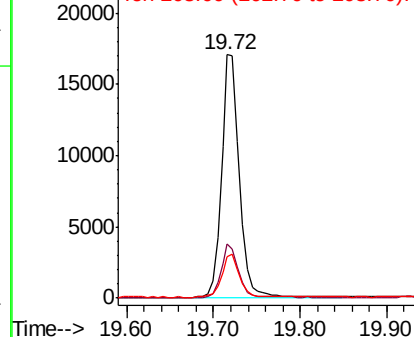
203 17.9 13.9 20.9

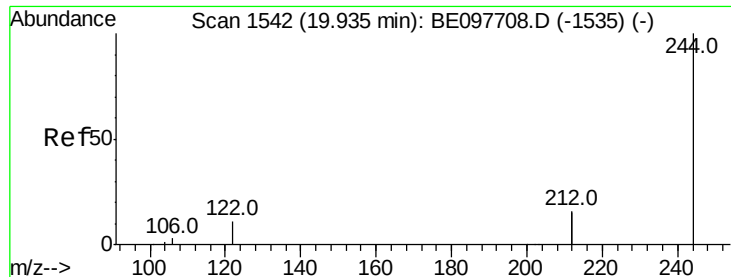


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.348 ng

RT: 19.93 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

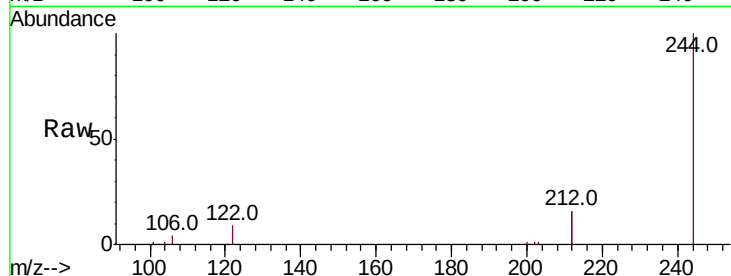
Tot Ion:244 Resp: 16526

Ion Ratio Lower Upper

244 100

212 32.3 25.8 38.8

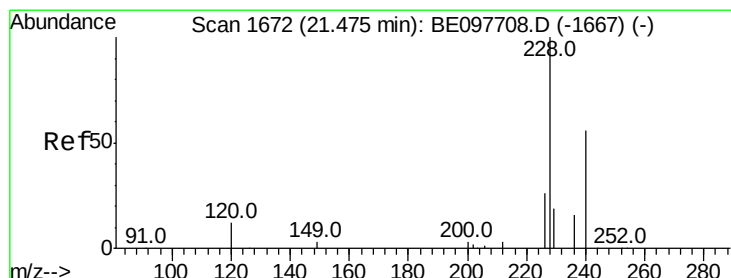
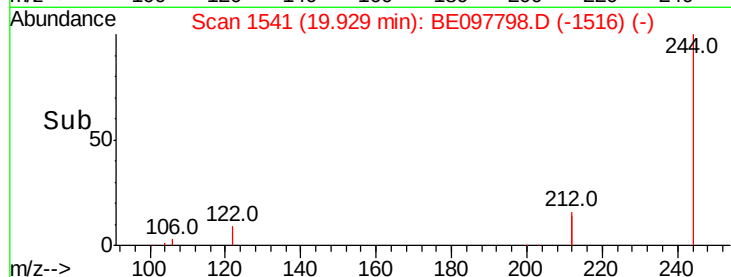
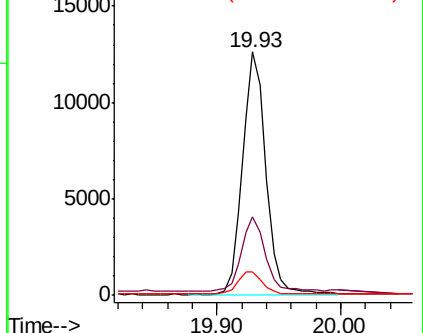
122 9.4 8.7 13.1



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: 0.442 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

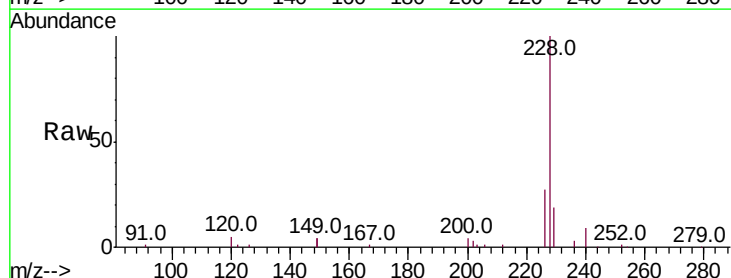
Tgt Ion:228 Resp: 27604

Ion Ratio Lower Upper

228 100

226 27.2 20.7 31.1

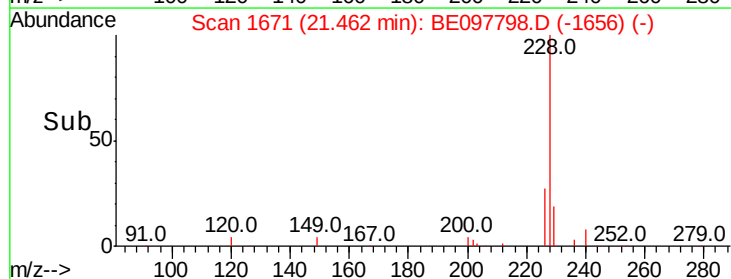
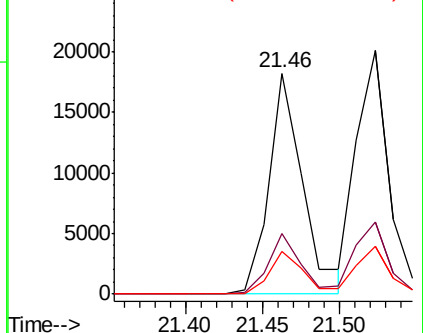
229 19.5 15.7 23.5

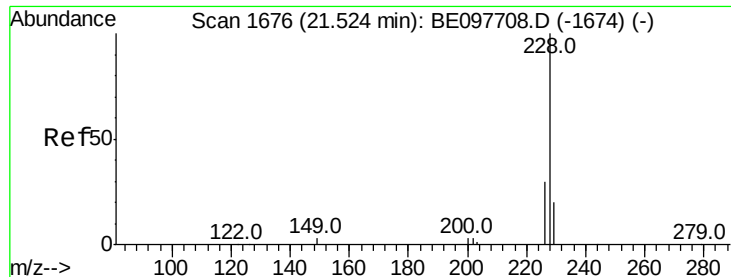


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.418 ng

RT: 21.52 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

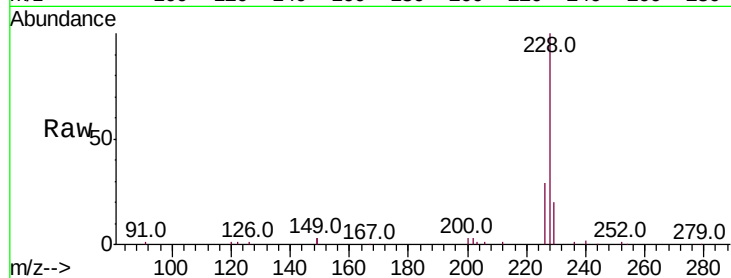
Tot Ion:228 Resp: 29175

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

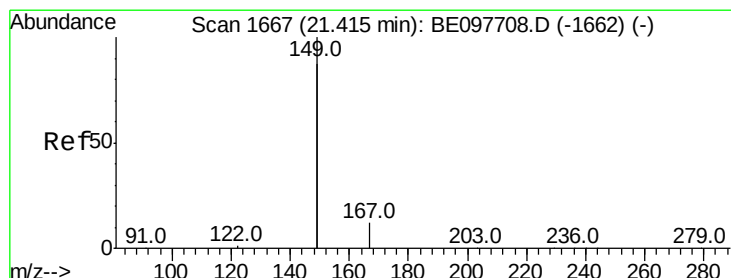
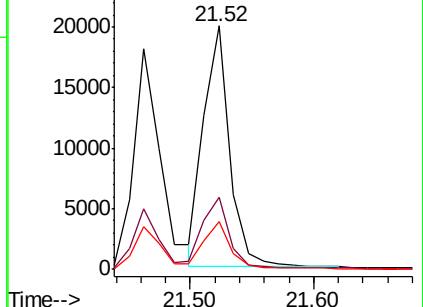
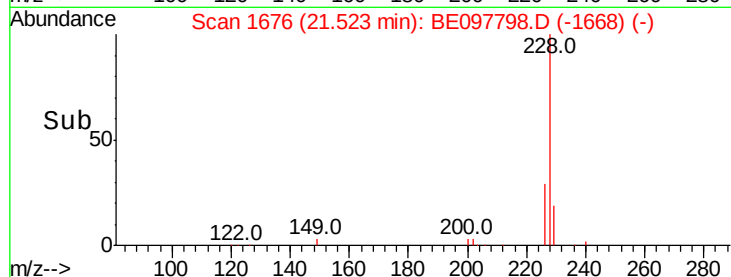
229 19.6 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.446 ng

RT: 21.40 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

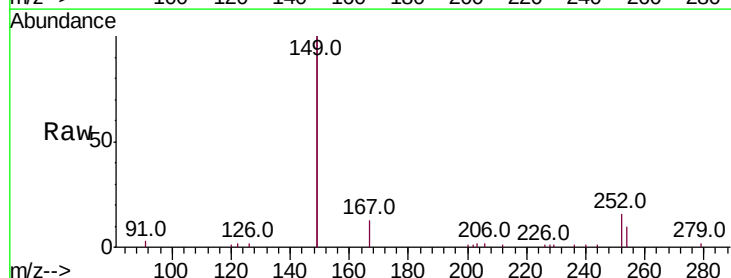
Tgt Ion:149 Resp: 20370

Ion Ratio Lower Upper

149 100

167 7.4 5.5 8.3

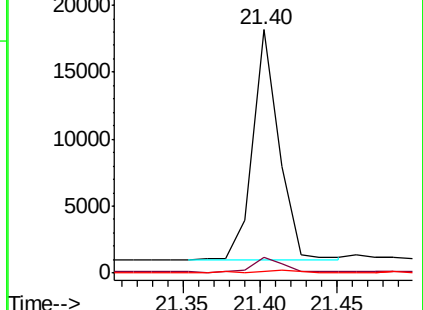
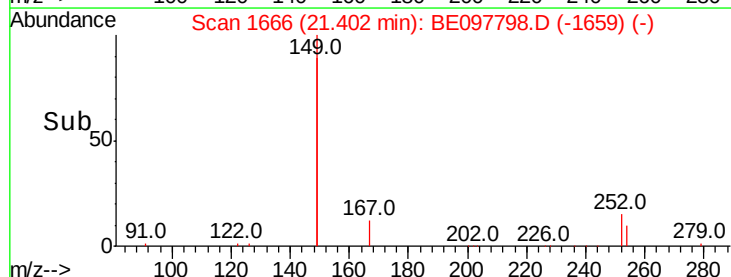
279 1.2 0.9 1.3

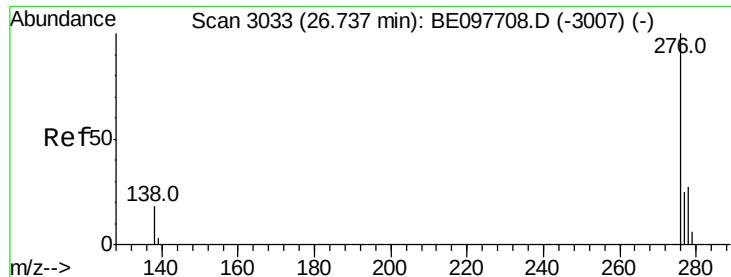


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.528 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.02 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

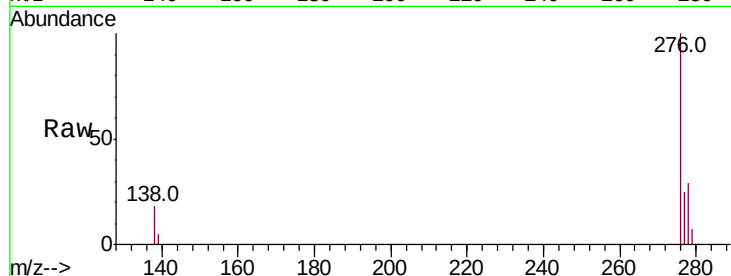
Tot Ion:276 Resp: 32041

Ion Ratio Lower Upper

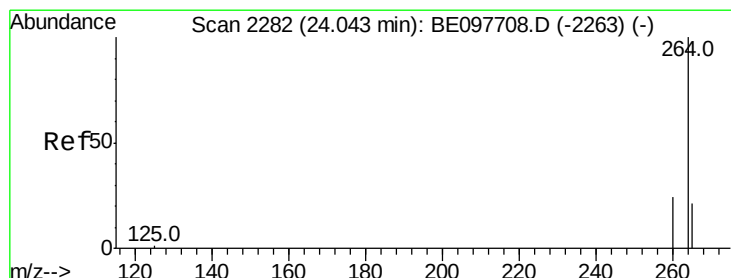
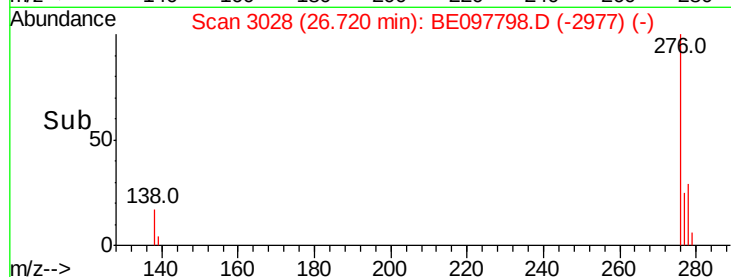
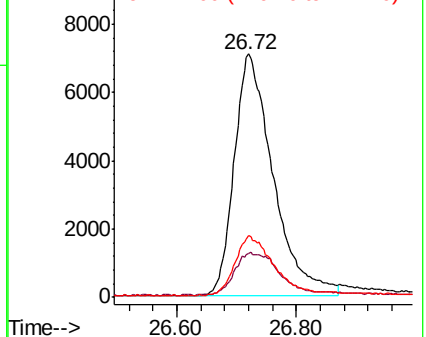
276 100

138 20.1 15.0 22.6

277 24.6 19.2 28.8



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: 24.03 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

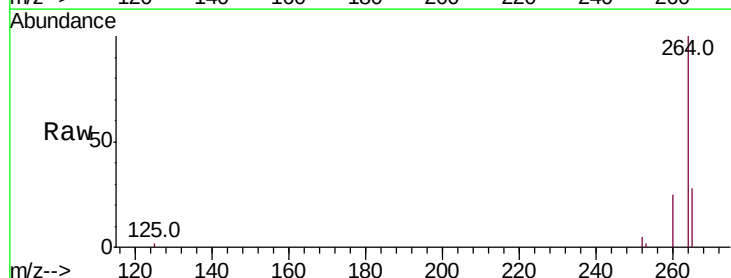
Tgt Ion:264 Resp: 25502

Ion Ratio Lower Upper

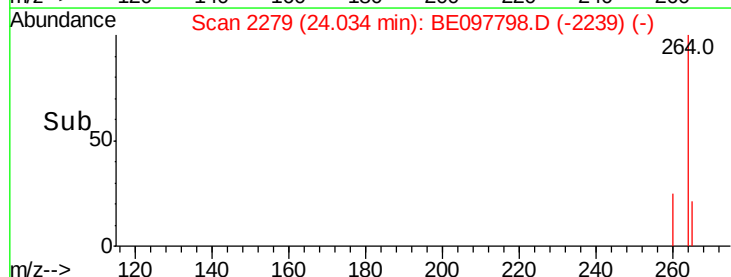
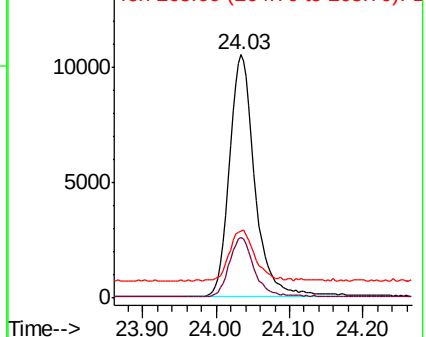
264 100

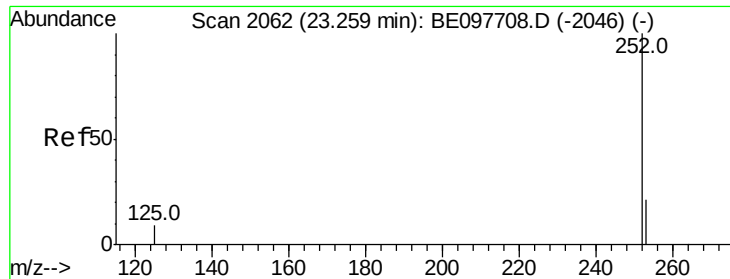
260 24.9 19.1 28.7

265 27.8 21.9 32.9



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: 0.422 ng

RT: 23.25 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

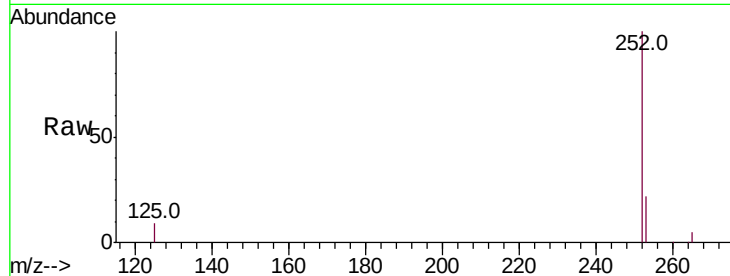
Tot Ion:252 Resp: 29529

Ion Ratio Lower Upper

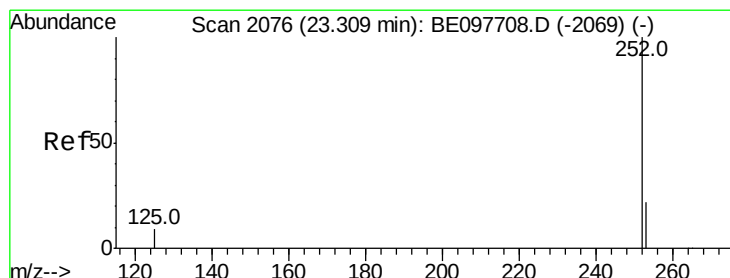
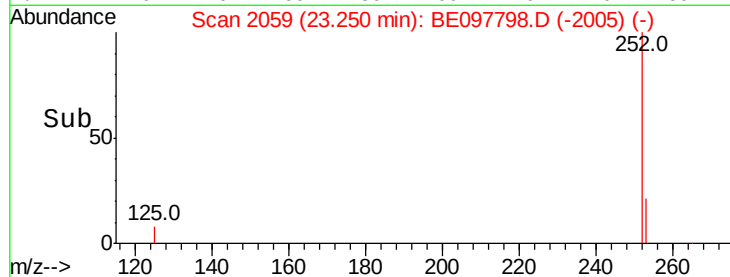
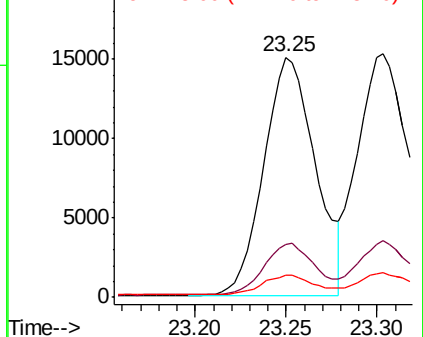
252 100

253 22.1 17.5 26.3

125 9.0 7.8 11.8



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: 0.419 ng

RT: 23.30 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

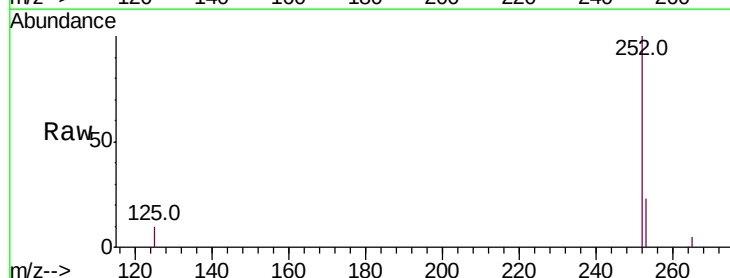
Tgt Ion:252 Resp: 32547

Ion Ratio Lower Upper

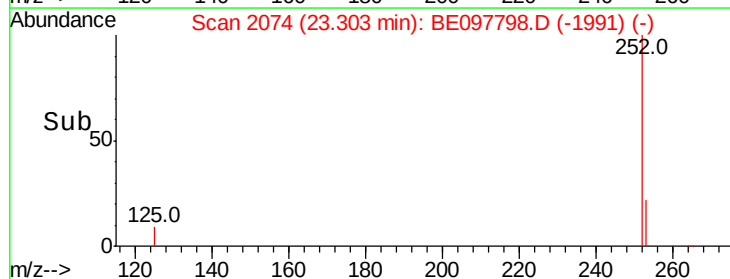
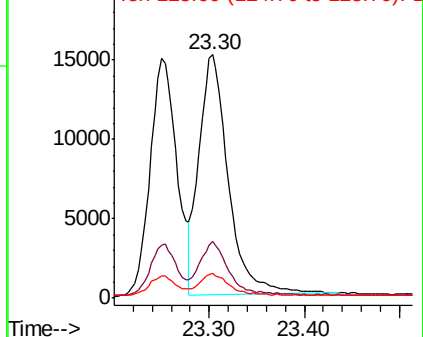
252 100

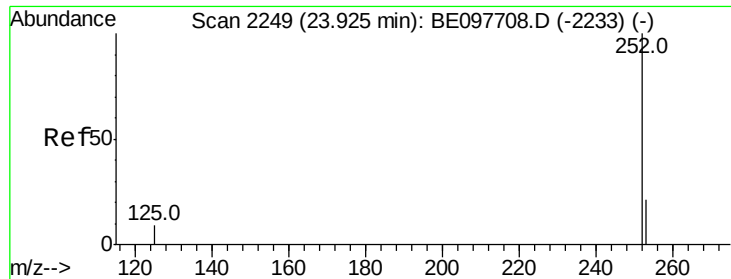
253 23.3 17.5 26.3

125 10.0 7.5 11.3



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: 0.416 ng

RT: 23.92 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

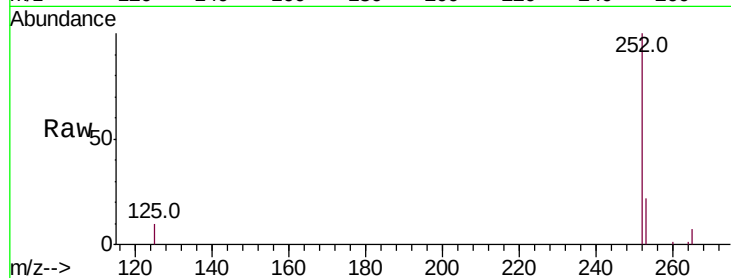
Tot Ion:252 Resp: 26343

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 10.4 8.3 12.5

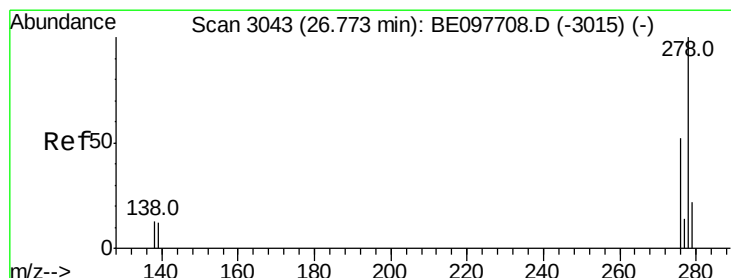
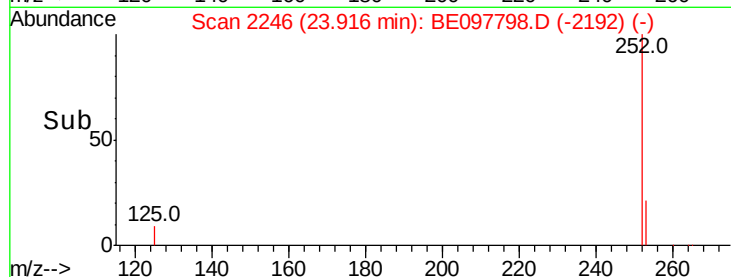
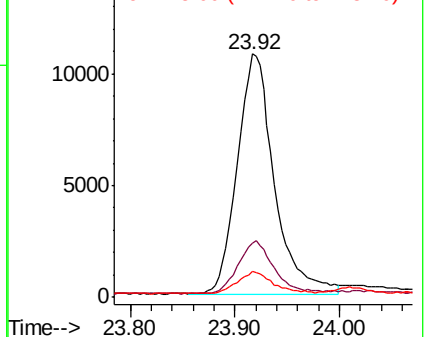


Abundance

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: 0.437 ng

RT: 26.76 min Scan# 3038

Delta R.T. -0.02 min

Lab File: BE097798.D

Acq: 8 Oct 2018 18:07

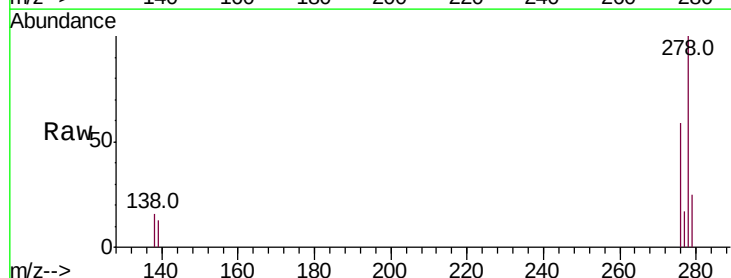
Tgt Ion:278 Resp: 27243

Ion Ratio Lower Upper

278 100

139 12.8 10.3 15.5

279 24.7 18.4 27.6

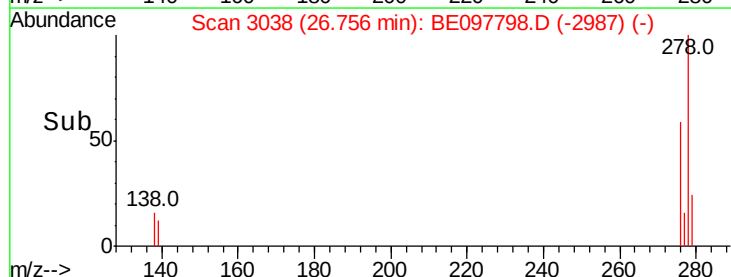
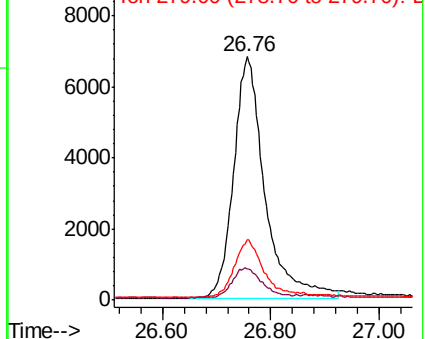


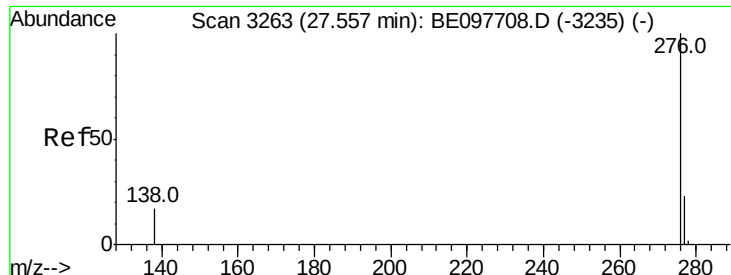
Abundance

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: 0.459 ng

RT: 27.54 min Scan# 3259

Delta R.T. -0.01 min

Lab File: BE097798.D

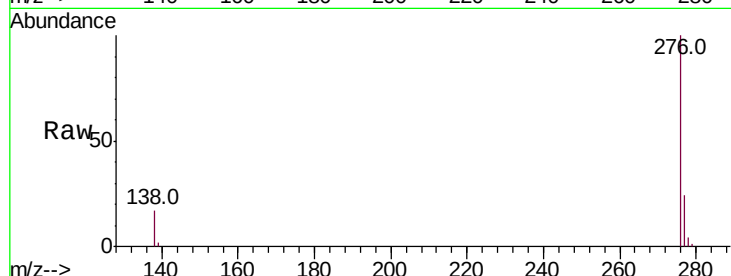
Acq: 8 Oct 2018 18:07

Instrument :

BNA_E

ClientSampleId :

PB113550BSD



Tot Ion:276 Resp: 29961

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 17.3 14.2 21.2

