

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097618.D
 Acq On : 21 Sep 2018 19:07
 Operator : SJ/JU
 Sample : PB112884BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 22 04:08:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	1187	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	5138	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2449	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5670	0.40	ng	0.01
27) Chrysene-d12	20.97	240	7570	0.40	ng	0.00
34) Perylene-d12	23.21	264	7865	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	1277	0.36	ng	0.01
5) Phenol-d6	6.61	99	1427	0.31	ng	0.00
8) Nitrobenzene-d5	8.53	82	1434	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3666	0.52	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	208	0.27	ng	0.01
15) 2-Fluorobiphenyl	12.62	172	4069	0.47	ng	0.00
25) Fluoranthene-d10	18.80	212	26376	0.36	ng	0.00
29) Terphenyl-d14	19.42	244	4704	0.34	ng	0.00

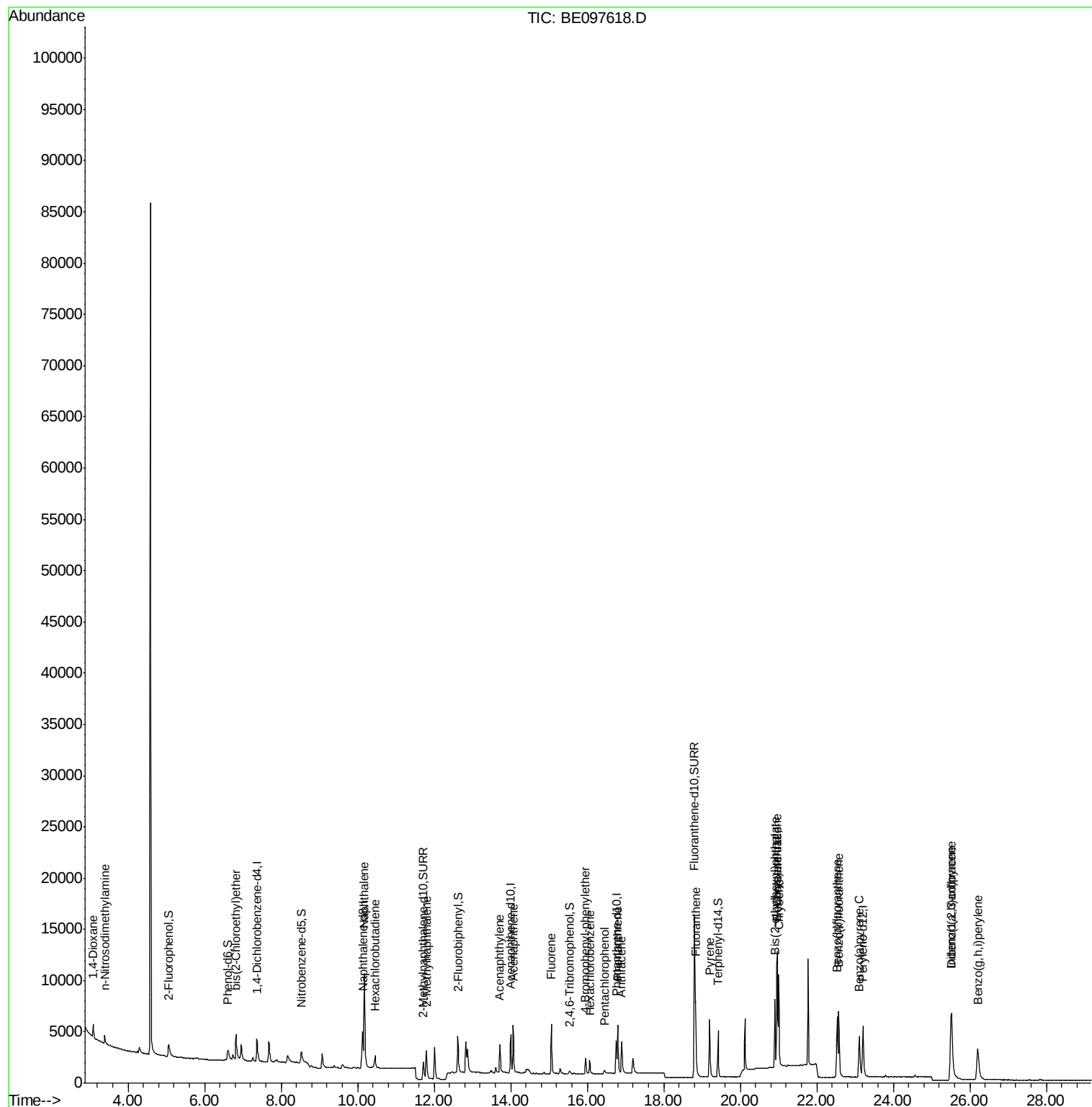
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	669	0.322	ng	# 88
3) n-Nitrosodimethylamine	3.38	42	562	0.329	ng	# 85
6) bis(2-Chloroethyl)ether	6.83	93	1334	0.316	ng	88
9) Naphthalene	10.17	128	18731	0.405	ng	99
10) Hexachlorobutadiene	10.46	225	790	0.370	ng	99
12) 2-Methylnaphthalene	11.80	142	2810	0.389	ng	99
16) Acenaphthylene	13.72	152	3717	0.384	ng	99
17) Acenaphthene	14.06	154	2509	0.387	ng	95
18) Fluorene	15.06	166	3188	0.377	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1006	0.394	ng	# 81
21) Hexachlorobenzene	16.07	284	1161	0.413	ng	# 84
22) Pentachlorophenol	16.45	266	306	0.373	ng	83
23) Phenanthrene	16.80	178	5323	0.395	ng	98
24) Anthracene	16.89	178	4554	0.383	ng	96
26) Fluoranthene	18.83	202	6368	0.341	ng	99
28) Pyrene	19.20	202	6456	0.375	ng	100
30) Benzo(a)anthracene	20.95	228	7376	0.387	ng	97
31) Chrysene	21.00	228	8438	0.413	ng	100
32) Bis(2-ethylhexyl)phthalate	20.91	149	7428	0.242	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	10804	0.439	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8339	0.414	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	9651	0.419	ng	94
37) Benzo(a)pyrene	23.11	252	8227	0.420	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	8919	0.422	ng	# 94
39) Benzo(g,h,i)perylene	26.20	276	8935	0.435	ng	# 89

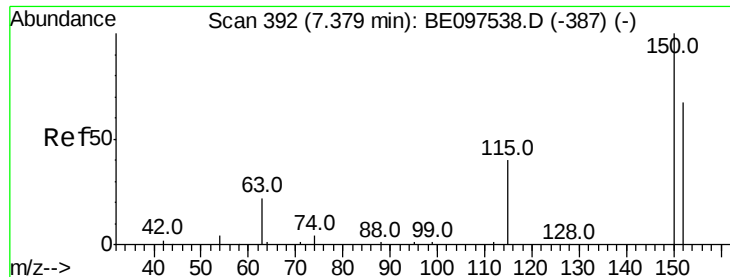
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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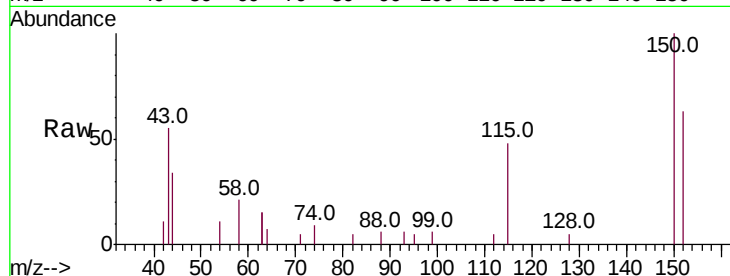


#1

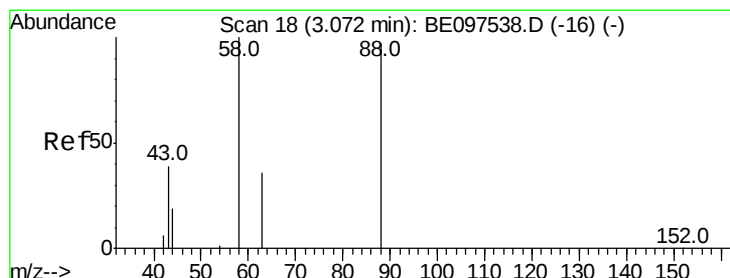
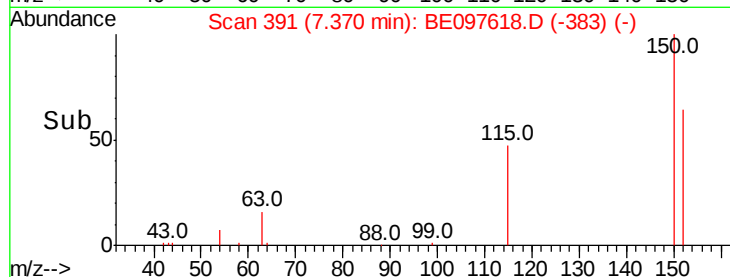
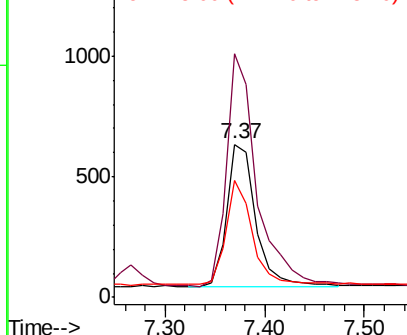
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1187
Ion Ratio Lower Upper
152 100
150 158.9 117.2 175.8
115 76.5 57.0 85.6



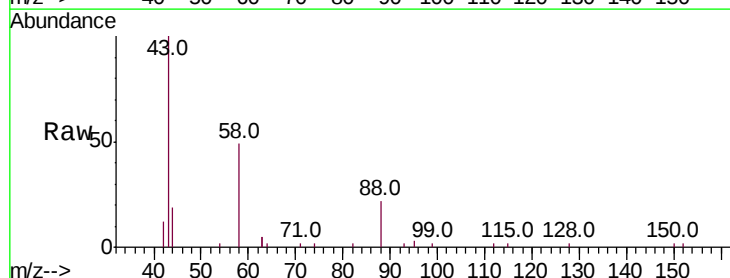
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



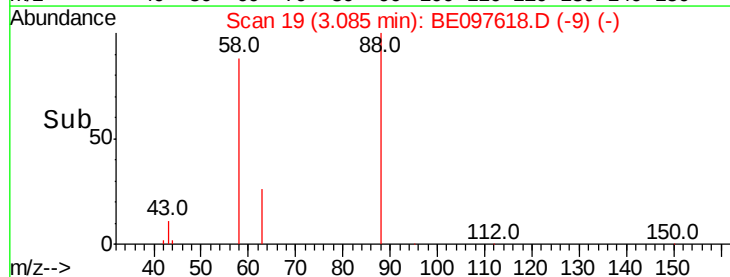
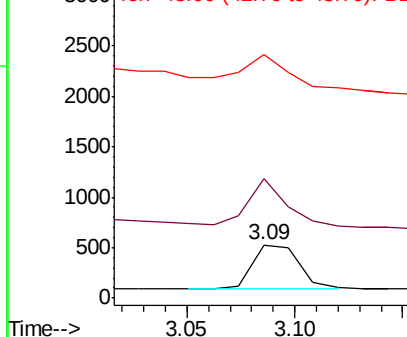
#2

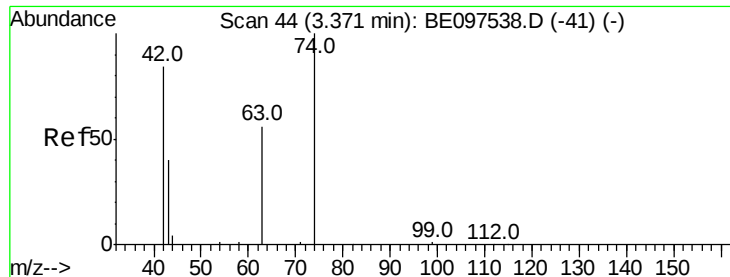
1,4-Dioxane
Concen: 0.322 ng
RT: 3.09 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion: 88 Resp: 669
Ion Ratio Lower Upper
88 100
58 81.9 63.2 94.8
43 68.6 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: 0.329 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097618.D

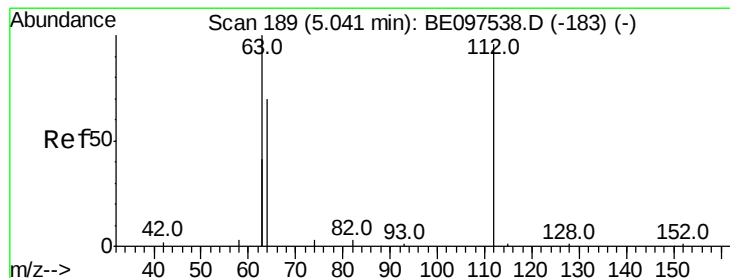
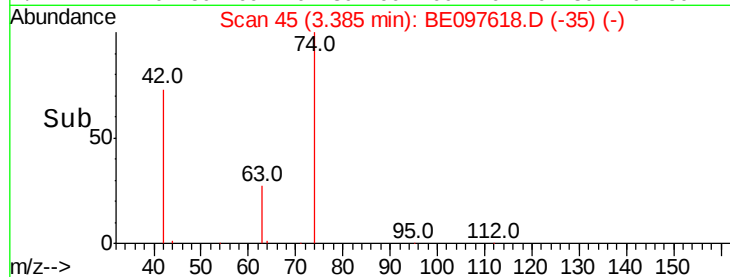
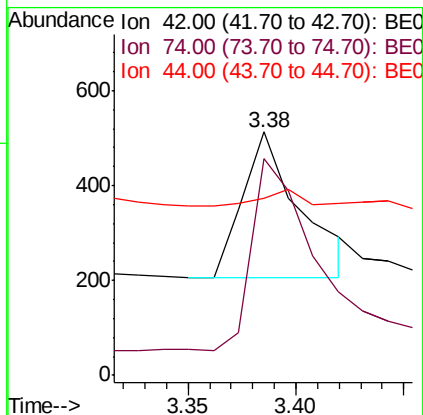
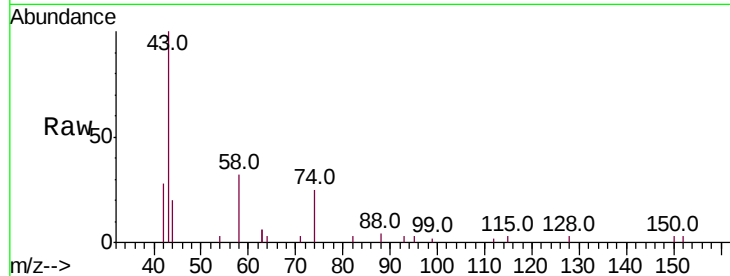
Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	562
Ion	Ratio	Lower	Upper
42	100		
74	135.6	96.0	144.0
44	7.3	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.359 ng

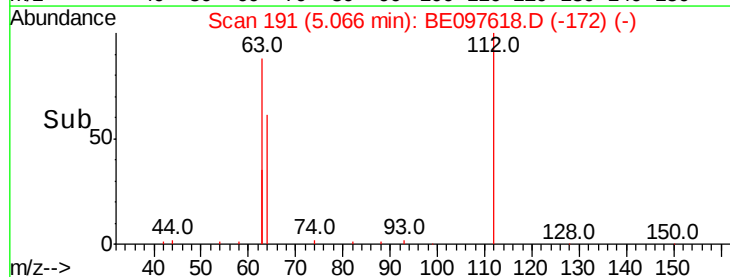
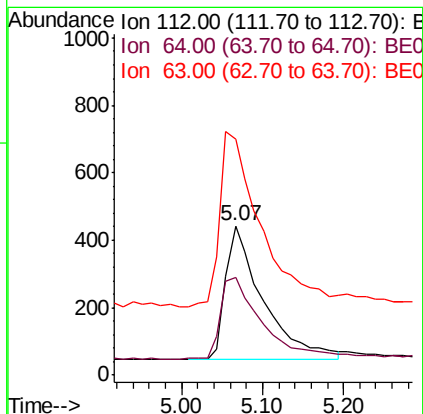
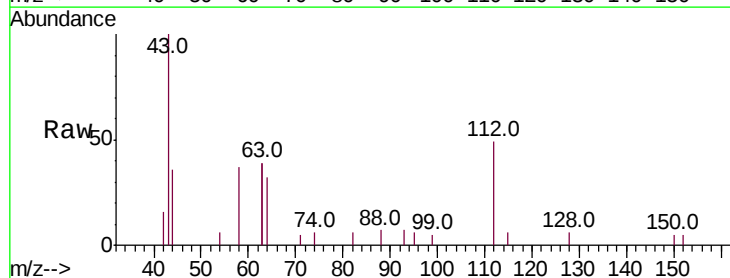
RT: 5.07 min Scan# 191

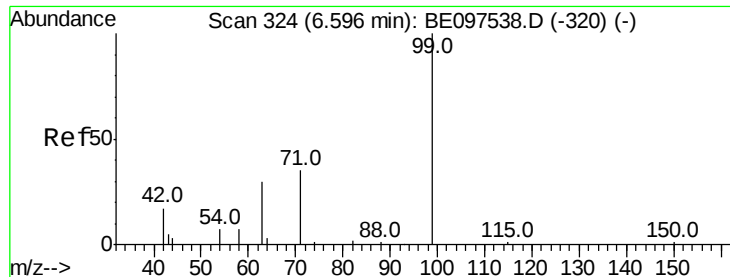
Delta R.T. 0.01 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Tgt Ion:	112	Resp:	1277
Ion	Ratio	Lower	Upper
112	100		
64	67.3	60.1	90.1
63	143.1	116.8	175.2





#5

Phenol-d6

Concen: 0.314 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

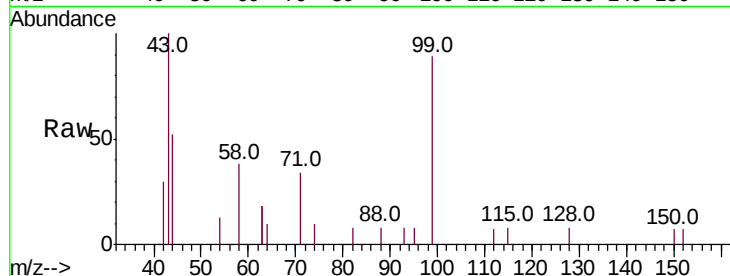
Tot Ion: 99 Resp: 1427

Ion Ratio Lower Upper

99 100

42 20.0 20.2 30.2#

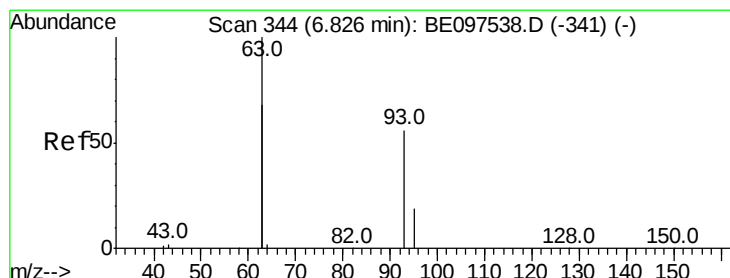
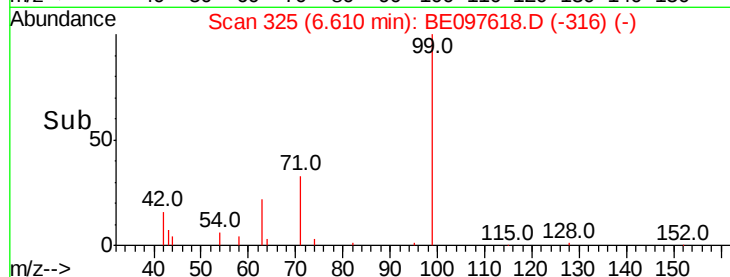
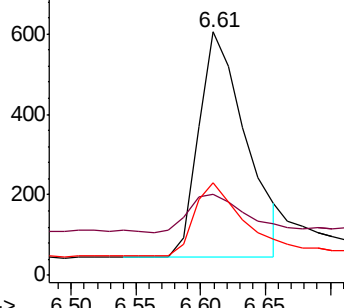
71 32.9 28.4 42.6



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: 0.316 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

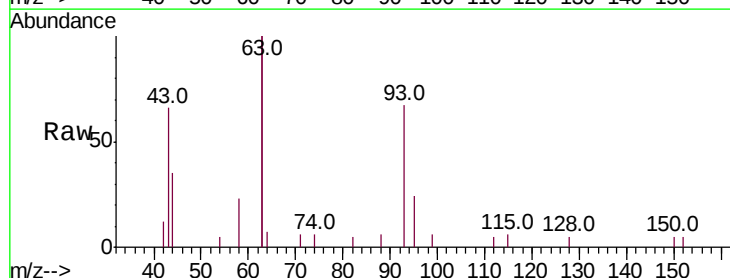
Tgt Ion: 93 Resp: 1334

Ion Ratio Lower Upper

93 100

63 316.6 275.3 412.9

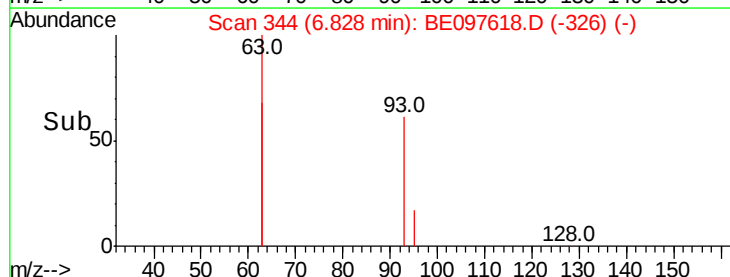
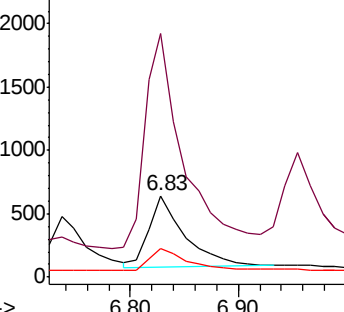
95 33.0 25.2 37.8

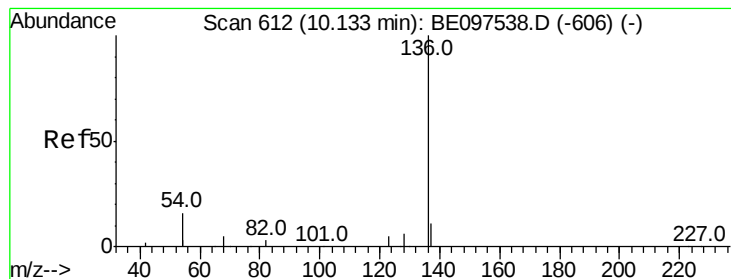


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5138

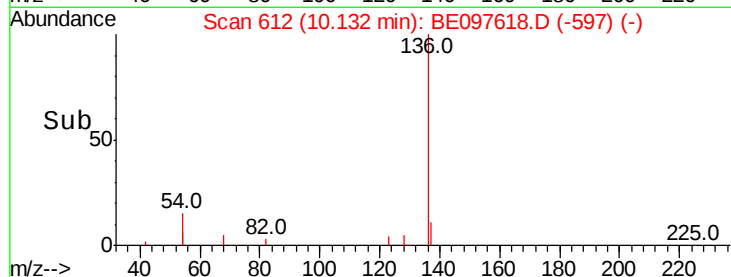
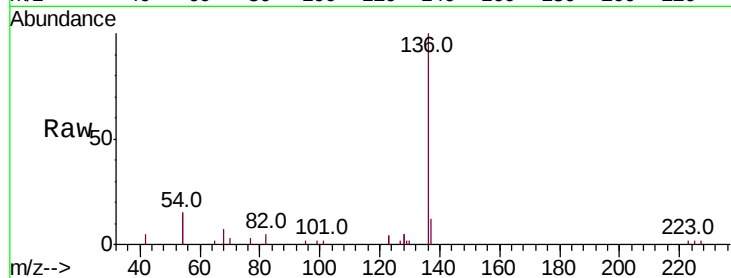
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 30.2 29.1 43.7

68 6.7 6.2 9.2

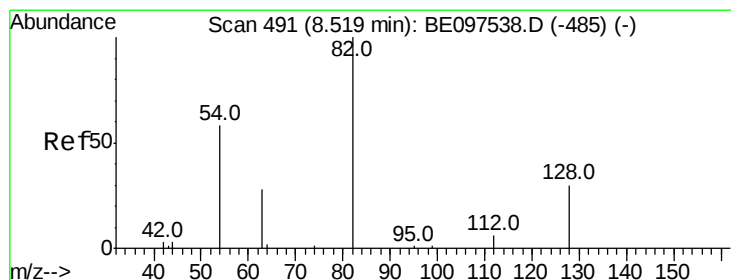
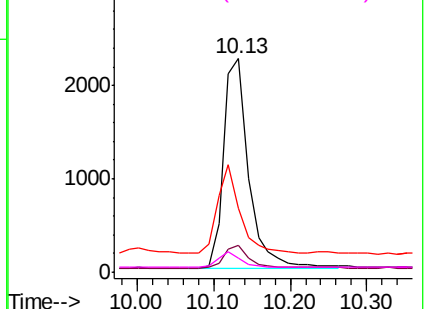


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.361 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

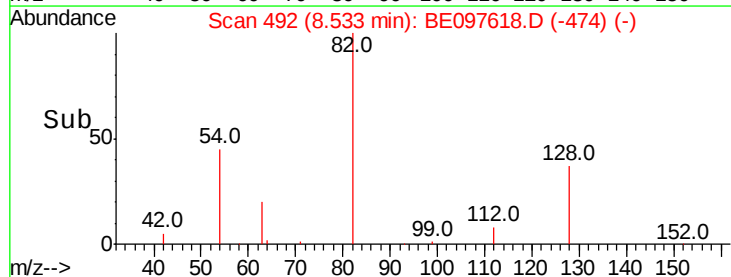
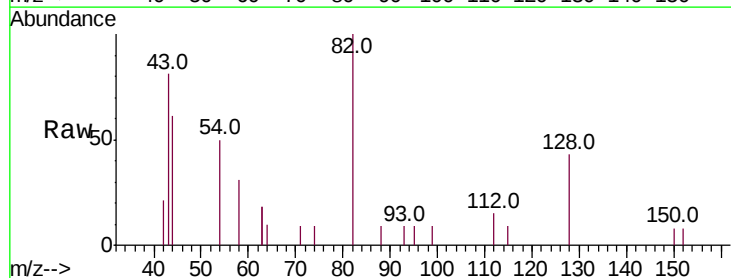
Tgt Ion: 82 Resp: 1434

Ion Ratio Lower Upper

82 100

128 42.9 24.0 36.0#

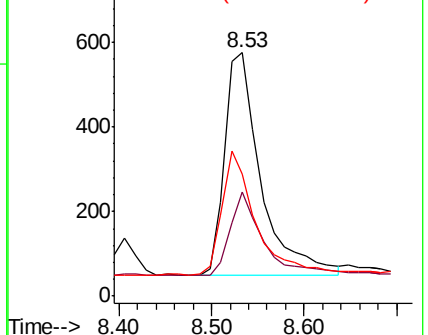
54 50.2 40.0 60.0

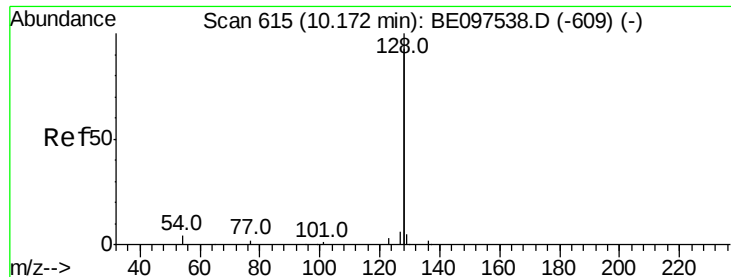


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.405 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampled :

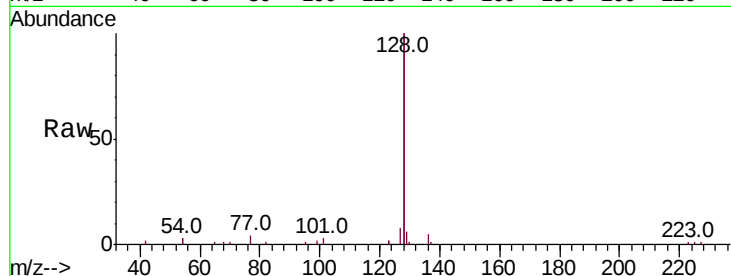
Tot Ion:128 Resp: 18731

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

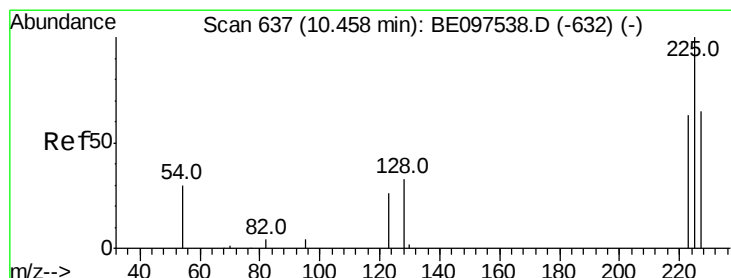
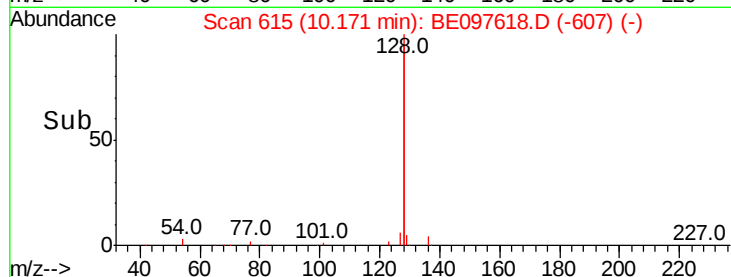
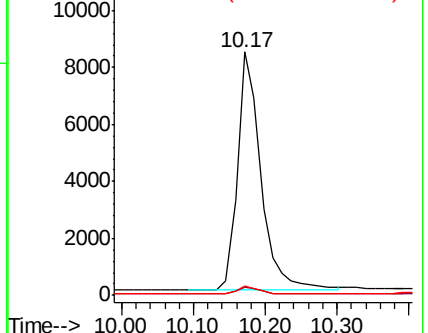
127 3.8 2.8 4.2



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: 0.370 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

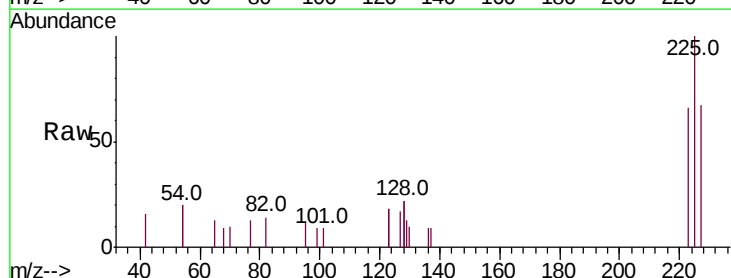
Tgt Ion:225 Resp: 790

Ion Ratio Lower Upper

225 100

223 65.3 53.0 79.6

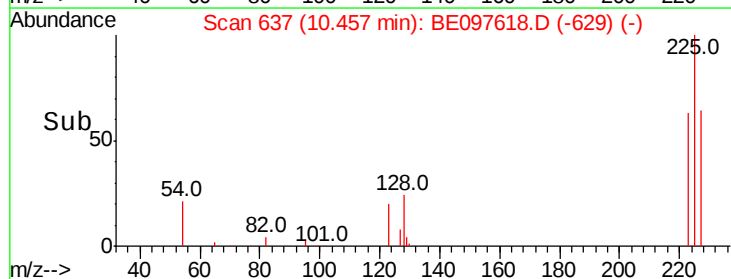
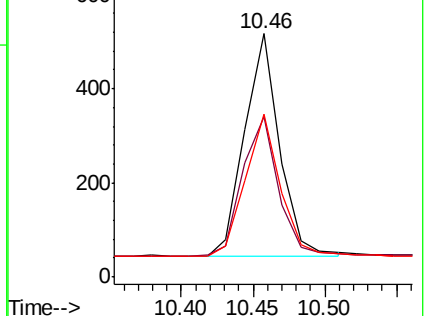
227 64.9 51.4 77.2

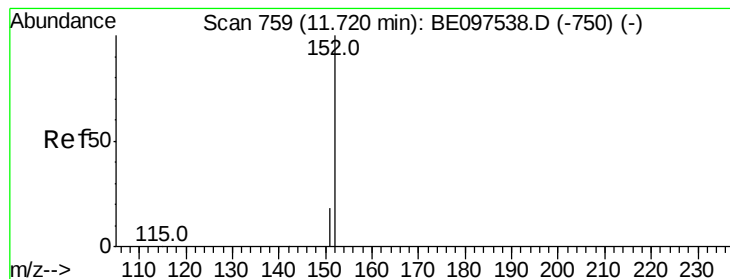


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.518 ng

RT: 11.72 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

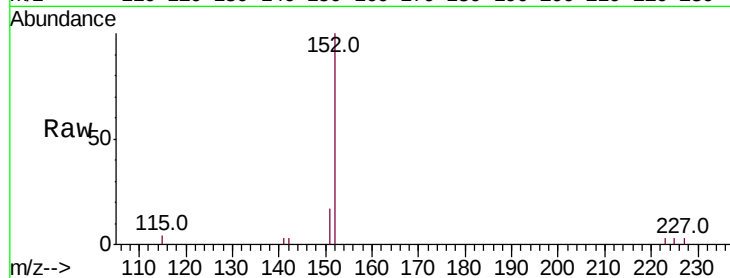
ClientSampleId :

Tot Ion:152 Resp: 3666

Ion Ratio Lower Upper

152 100

151 14.2 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

1500

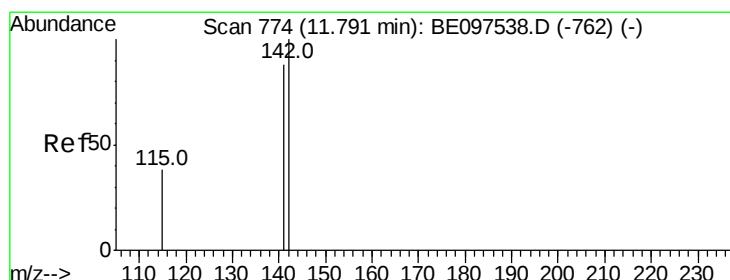
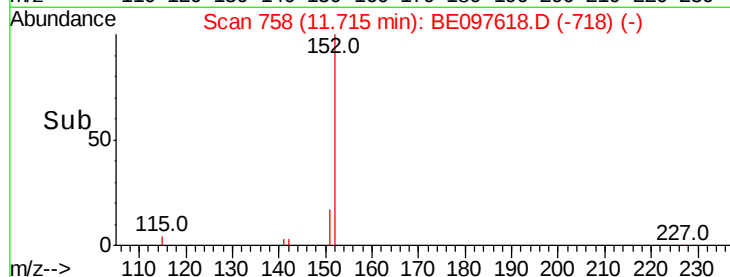
1000

500

0

Time-->

11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.389 ng

RT: 11.80 min Scan# 775

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

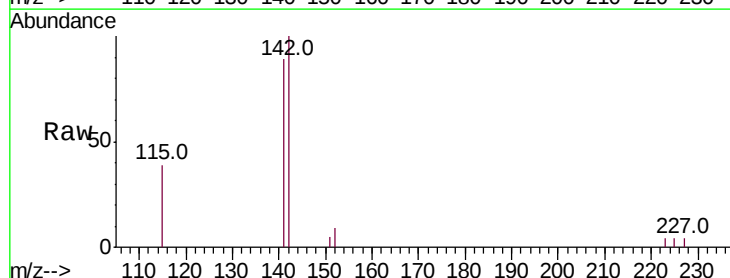
Tgt Ion:142 Resp: 2810

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

115 39.0 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

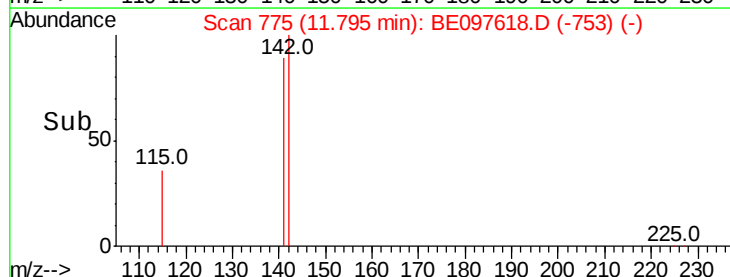
1000

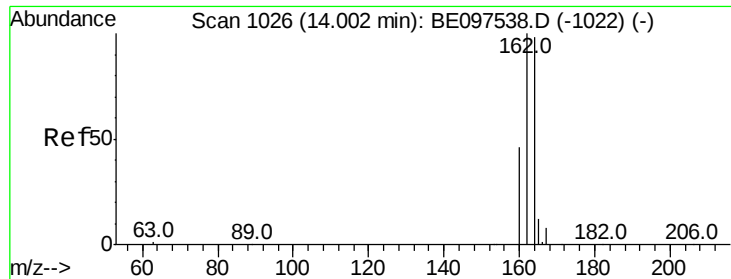
500

0

Time-->

11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

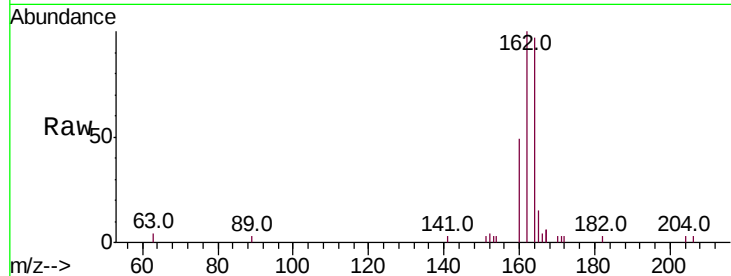
Tot Ion:164 Resp: 2449

Ion Ratio Lower Upper

164 100

162 102.7 83.1 124.7

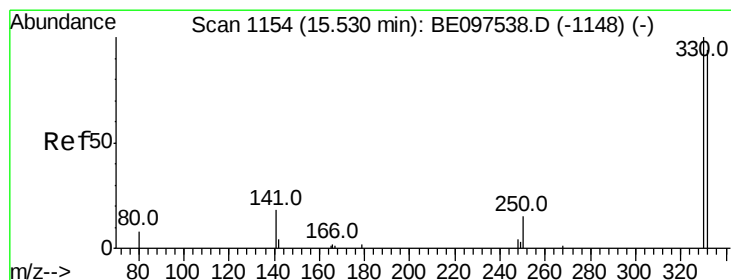
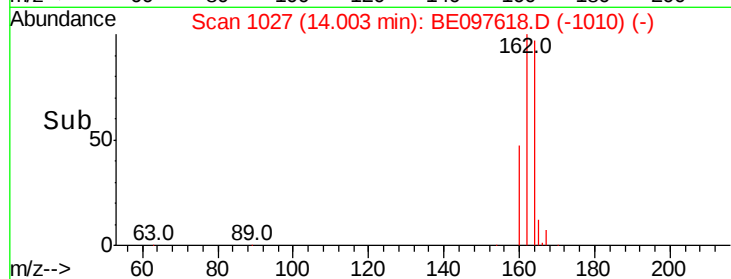
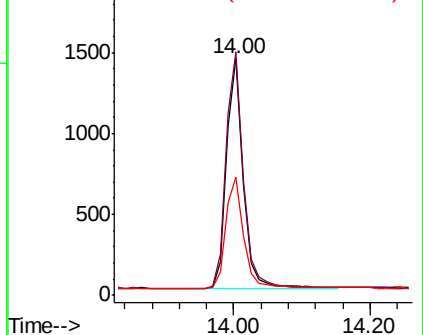
160 49.8 37.1 55.7



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: 0.272 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

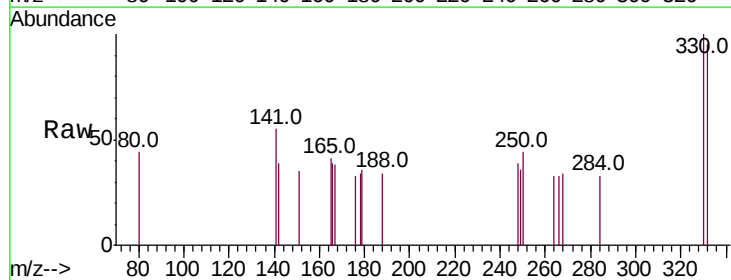
Tgt Ion:330 Resp: 208

Ion Ratio Lower Upper

330 100

332 99.0 152.7 229.1#

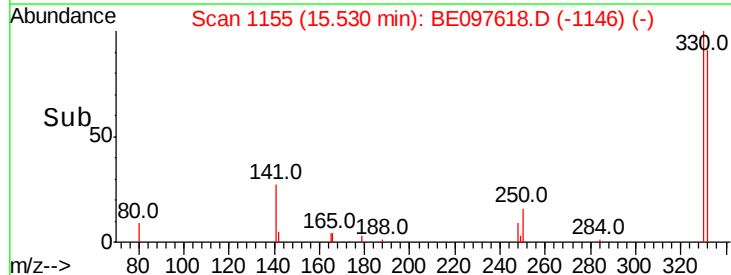
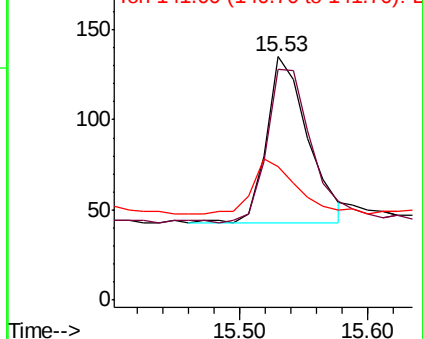
141 33.7 33.7 50.5#

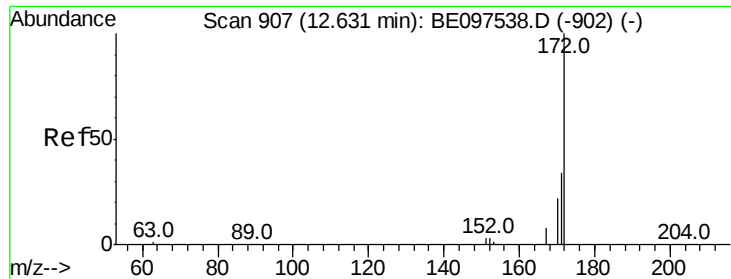


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

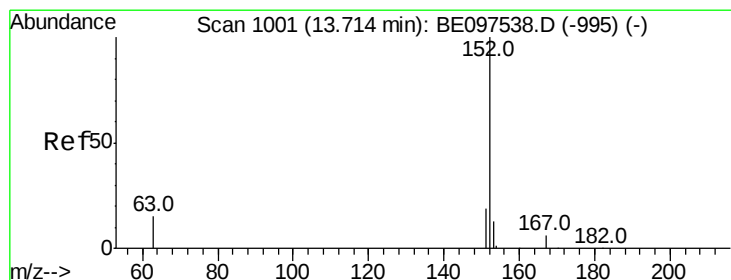
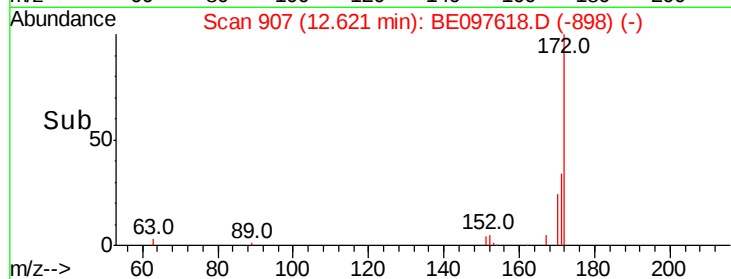
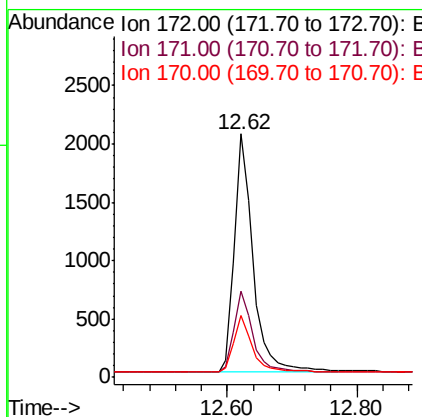
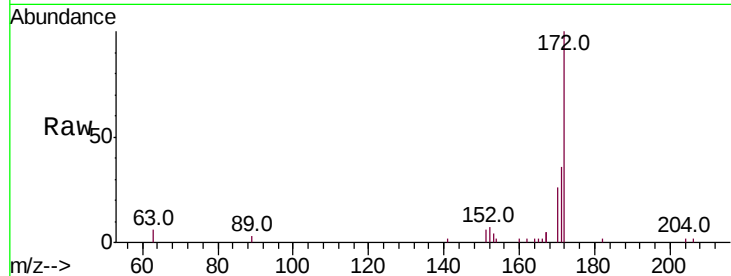




#15
2-Fluorobiphenyl
Concen: 0.470 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

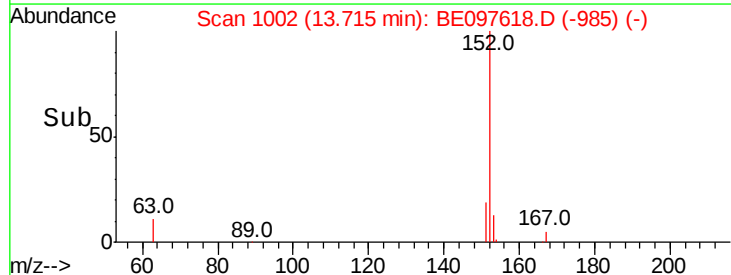
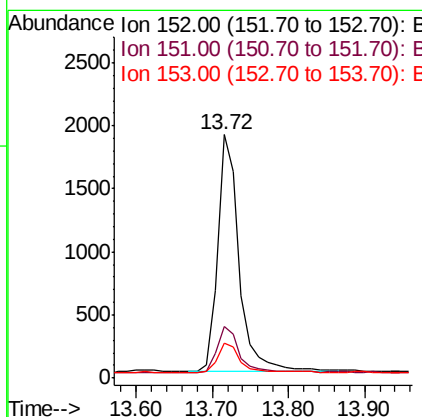
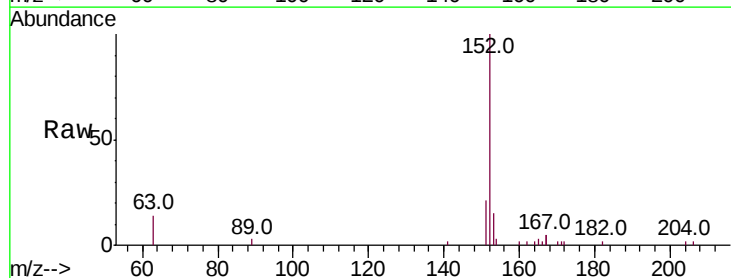
Instrument :
BNA_E
ClientSampled :

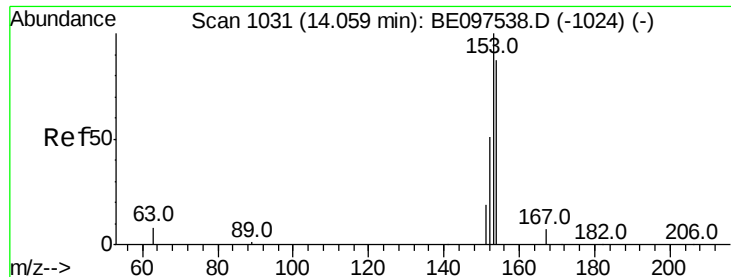
Tot Ion:172 Resp: 4069
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 25.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.384 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:152 Resp: 3717
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 12.9 10.5 15.7





#17

Acenaphthene

Concen: 0.387 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

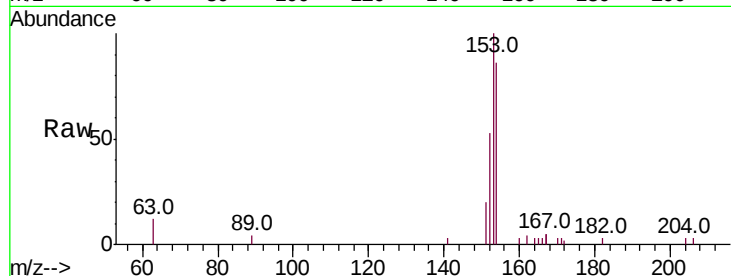
Tot Ion:154 Resp: 2509

Ion Ratio Lower Upper

154 100

153 115.1 89.2 133.8

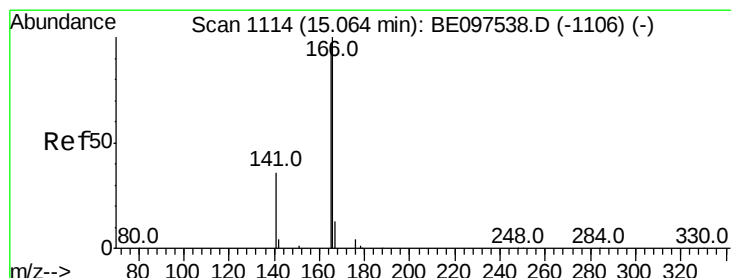
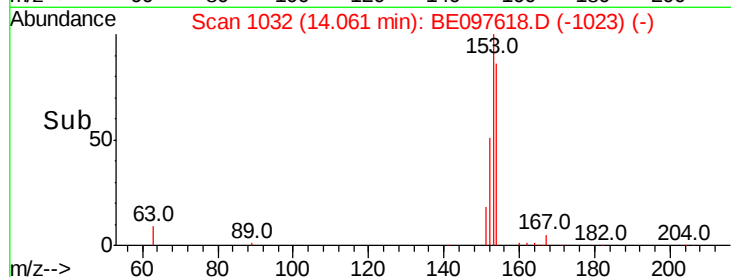
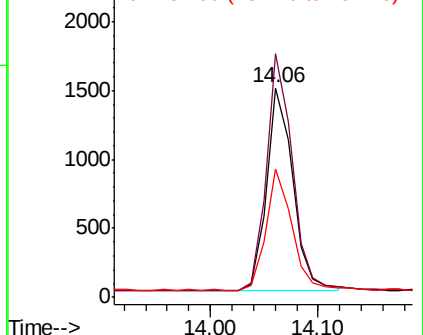
152 58.0 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.377 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

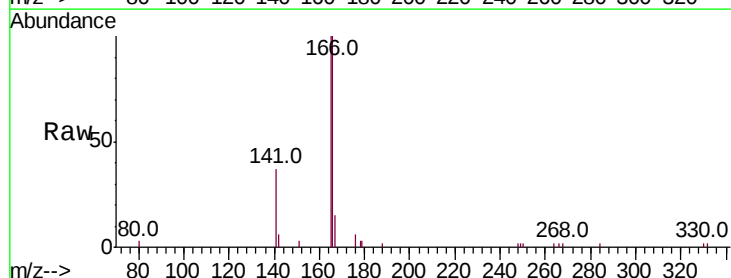
Tgt Ion:166 Resp: 3188

Ion Ratio Lower Upper

166 100

165 99.6 77.8 116.6

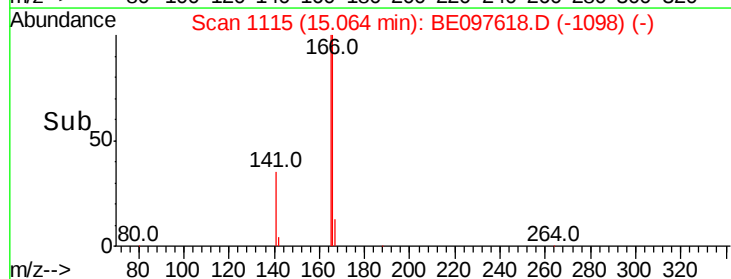
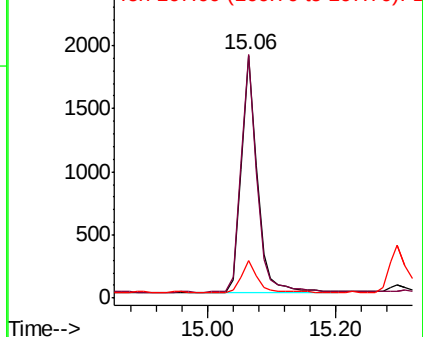
167 13.2 42.4 63.6#

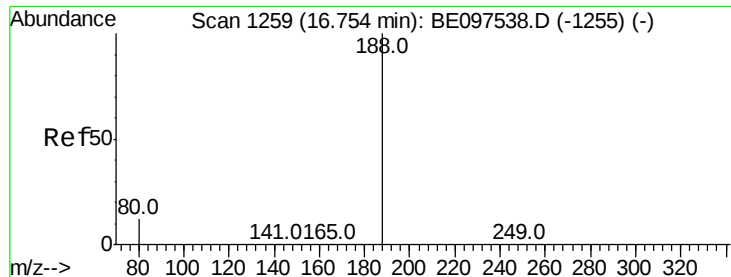


Abundance Ion 166.00 (165.70 to 166.70): E

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. 0.01 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

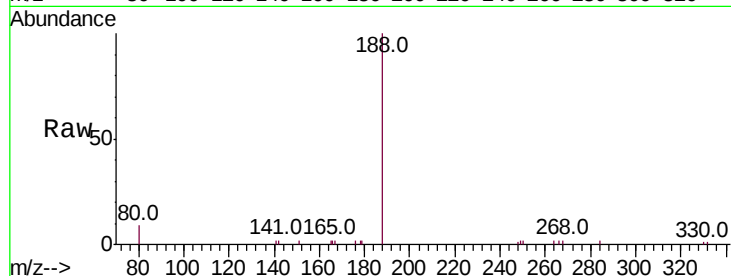
Tot Ion:188 Resp: 5670

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

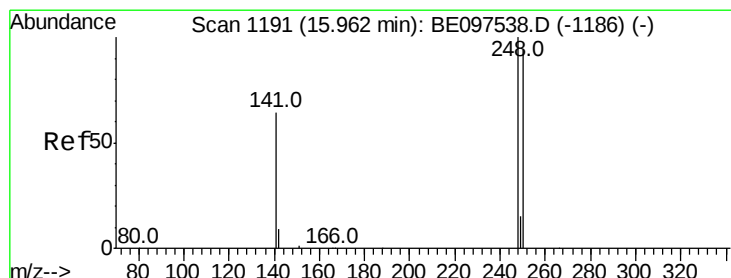
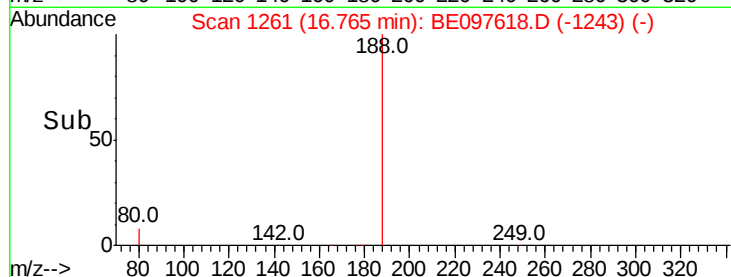
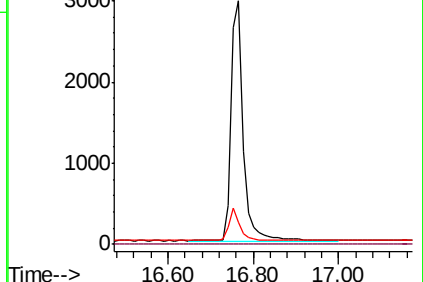
80 9.3 3.6 5.4#



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: 0.394 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

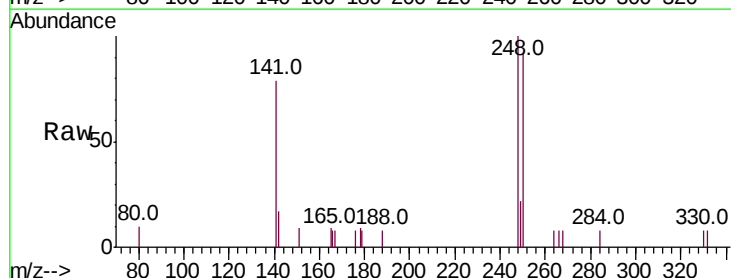
Tgt Ion:248 Resp: 1006

Ion Ratio Lower Upper

248 100

250 91.5 62.7 94.1

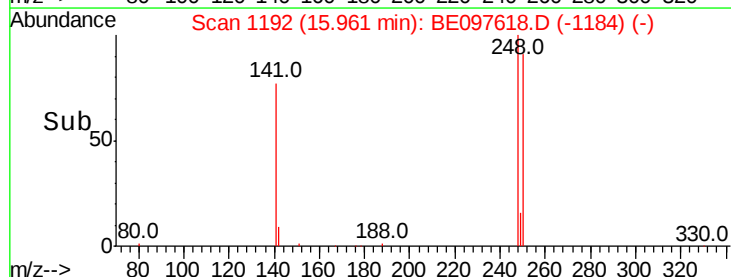
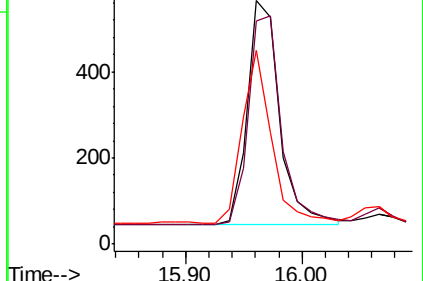
141 79.3 48.2 72.2#

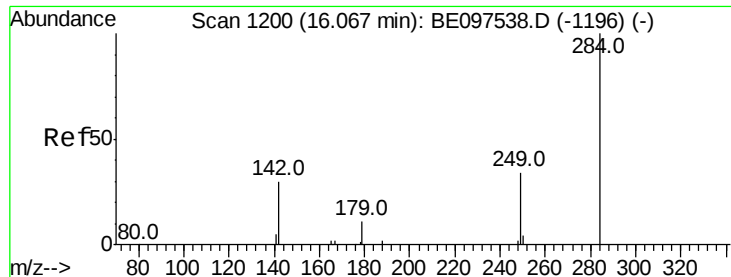


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.413 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

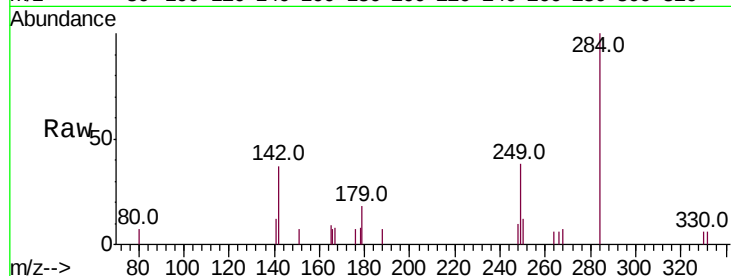
Tot Ion:284 Resp: 1161

Ion Ratio Lower Upper

284 100

142 32.3 22.1 33.1

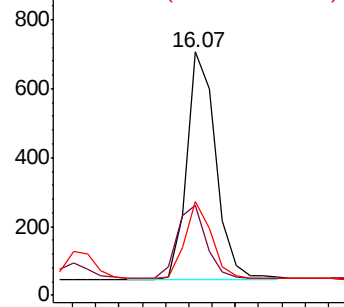
249 30.6 34.8 52.2#



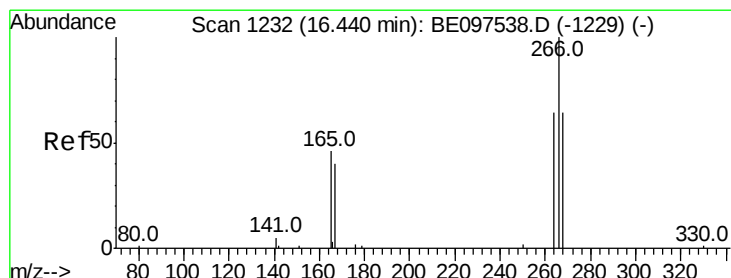
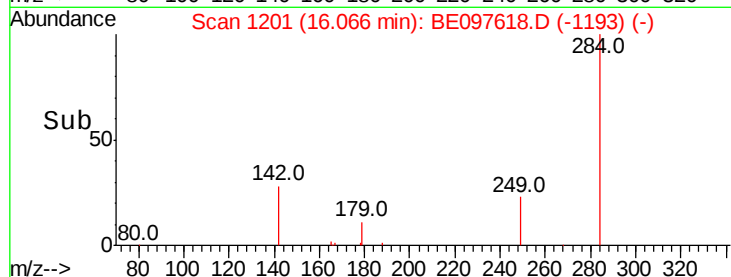
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.373 ng

RT: 16.45 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

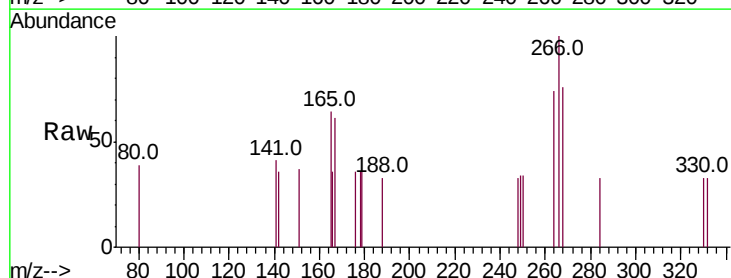
Tgt Ion:266 Resp: 306

Ion Ratio Lower Upper

266 100

264 74.1 72.5 108.7

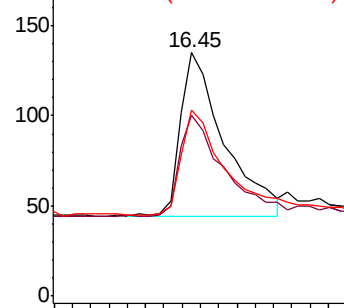
268 76.3 73.8 110.6



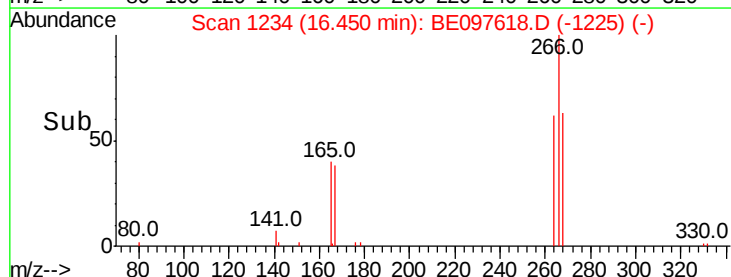
Abundance Ion 266.00 (265.70 to 266.70): E

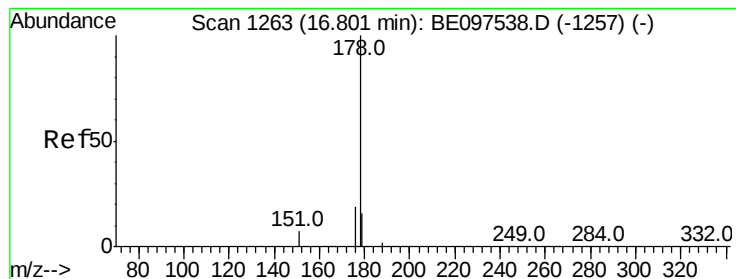
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.395 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

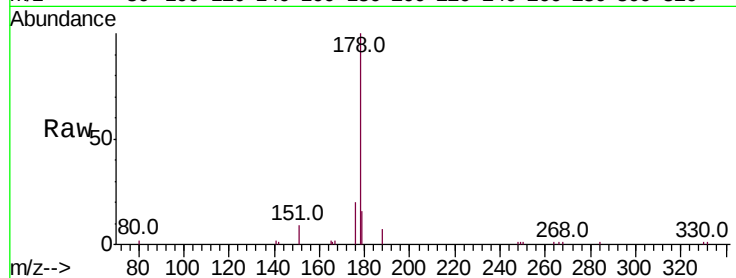
Tot Ion:178 Resp: 5323

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

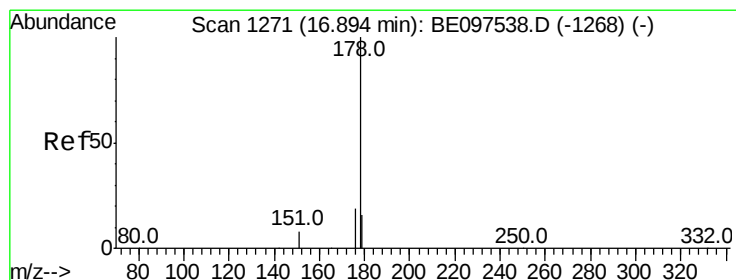
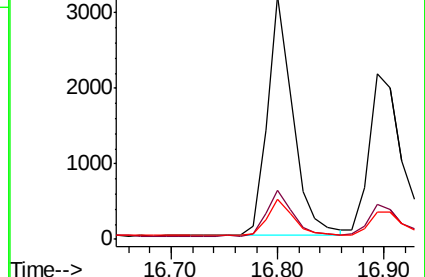
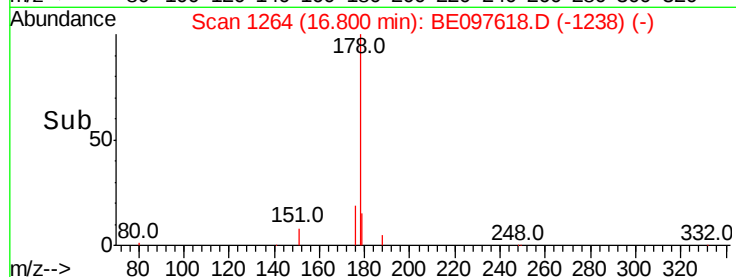
179 15.7 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.383 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

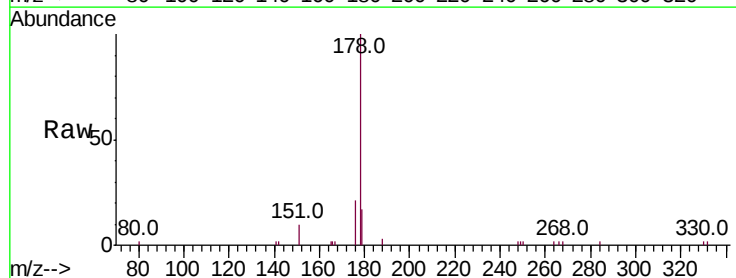
Tgt Ion:178 Resp: 4554

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

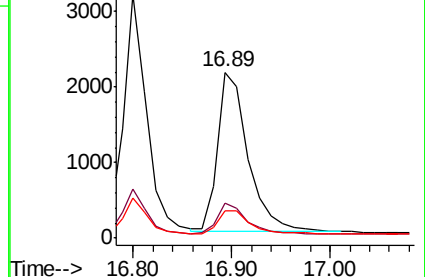
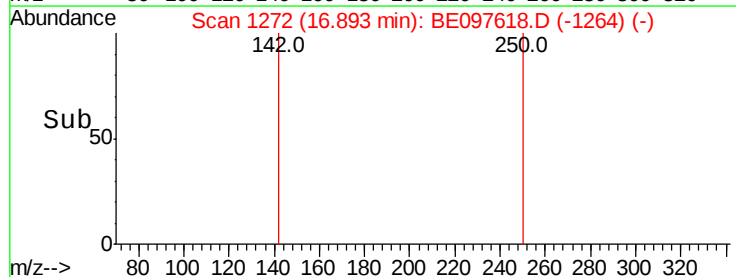
179 15.3 13.0 19.6

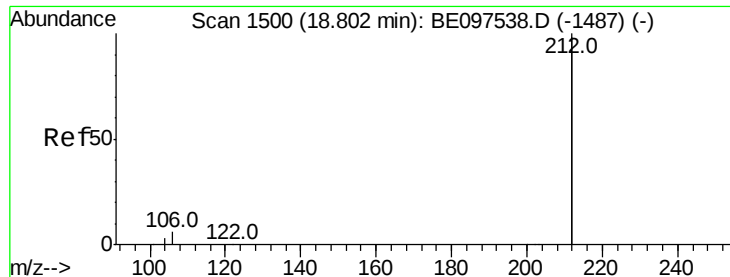


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

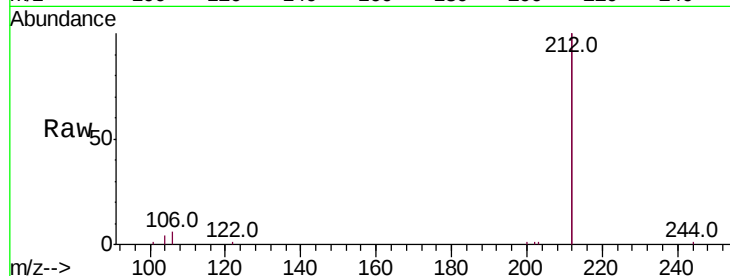
Tot Ion:212 Resp: 26376

Ion Ratio Lower Upper

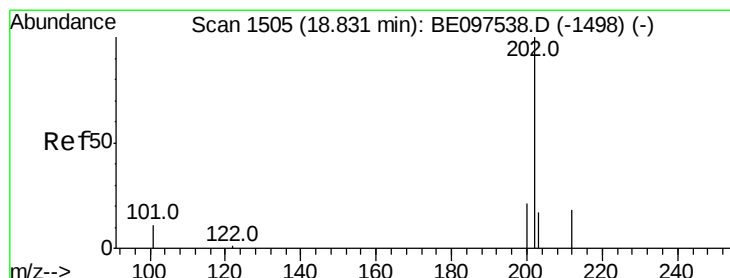
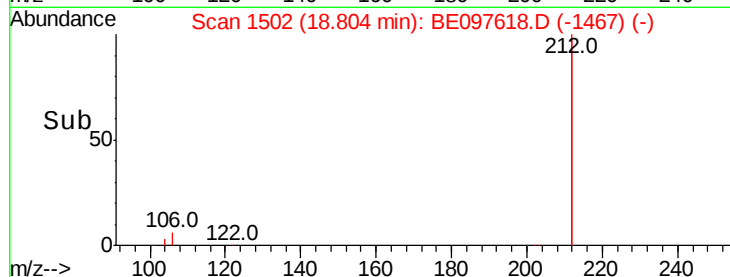
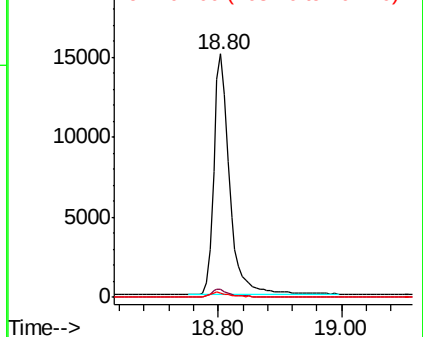
212 100

106 3.2 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: 0.341 ng

RT: 18.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

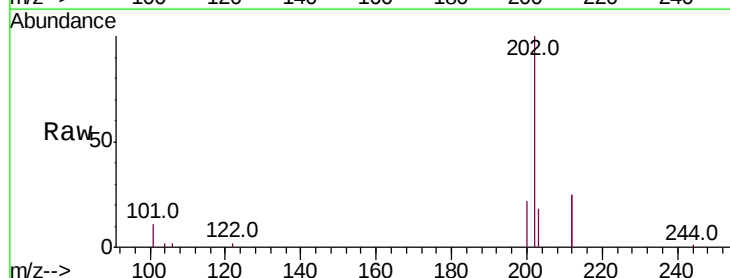
Tgt Ion:202 Resp: 6368

Ion Ratio Lower Upper

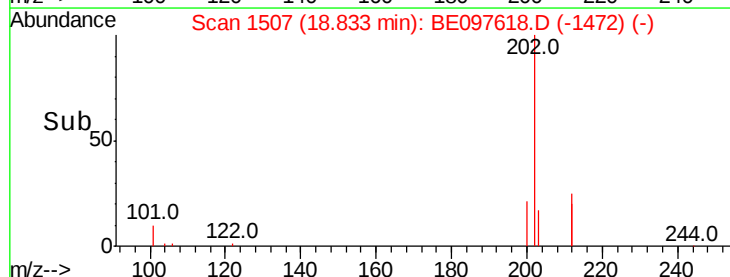
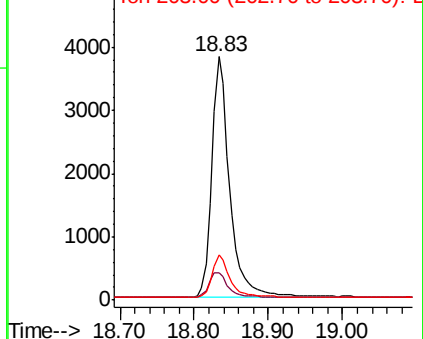
202 100

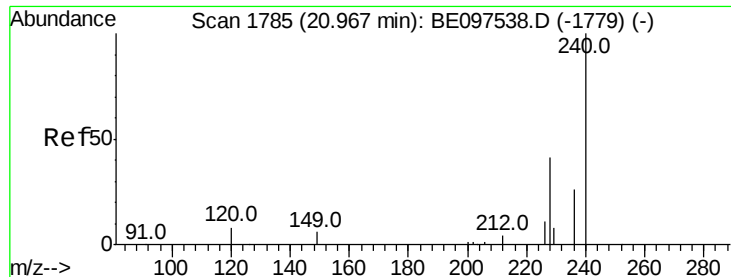
101 11.3 9.8 14.8

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: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

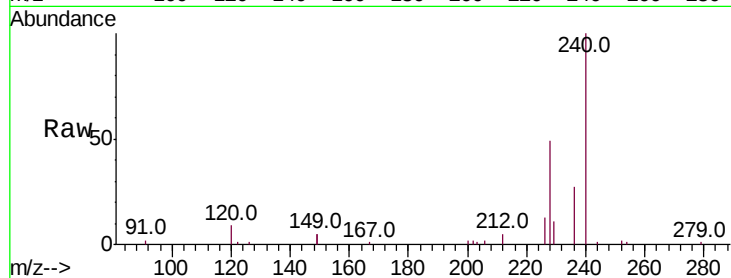
Tot Ion:240 Resp: 7570

Ion Ratio Lower Upper

240 100

120 8.9 5.5 8.3#

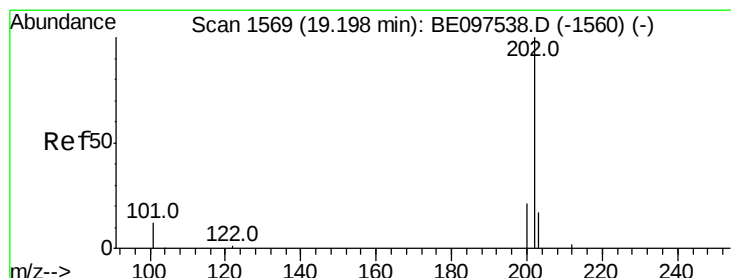
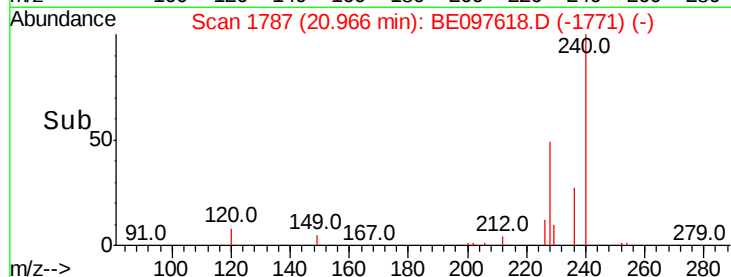
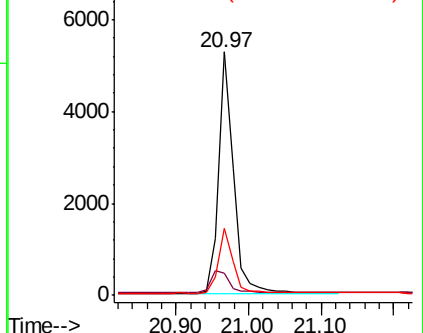
236 27.3 20.7 31.1



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: 0.375 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

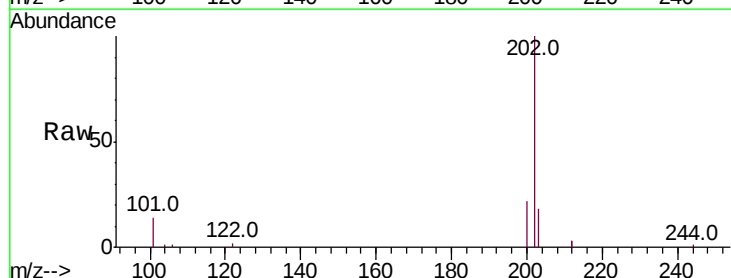
Tgt Ion:202 Resp: 6456

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

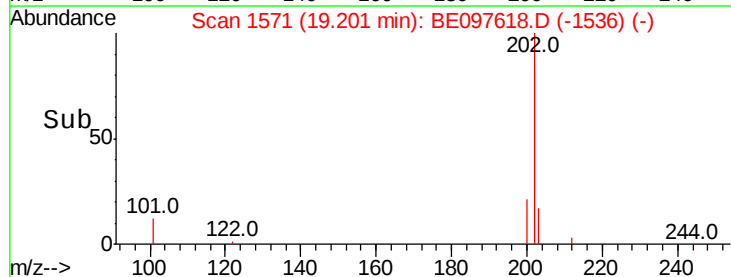
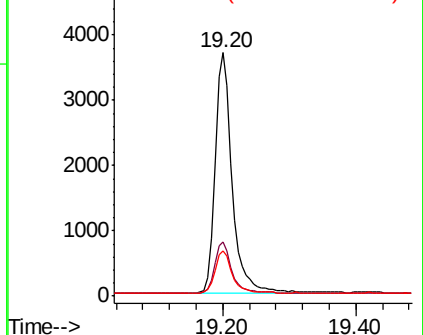
203 17.6 13.8 20.8

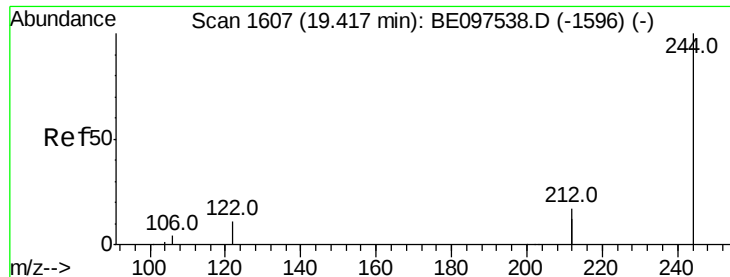


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.340 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

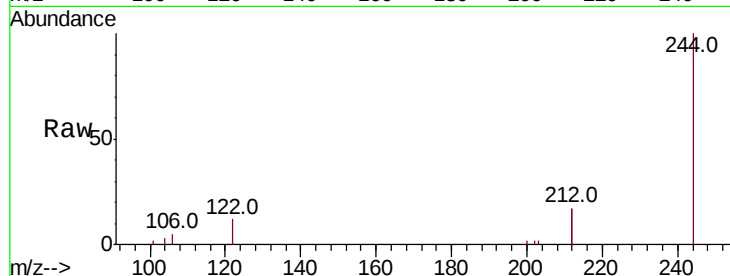
Tot Ion:244 Resp: 4704

Ion Ratio Lower Upper

244 100

212 34.2 25.4 38.0

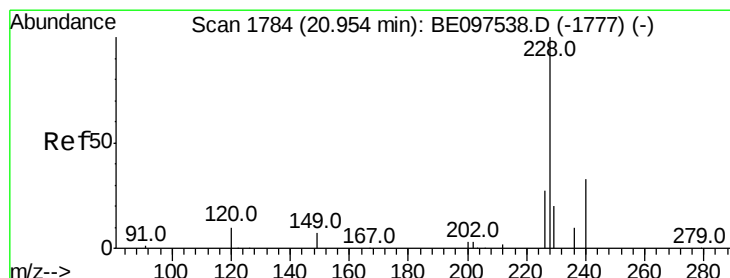
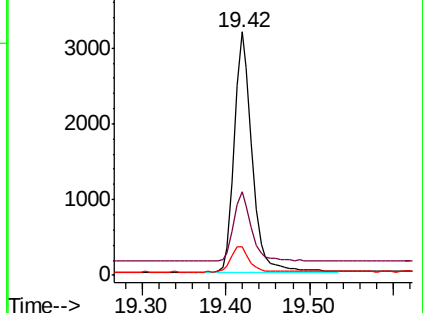
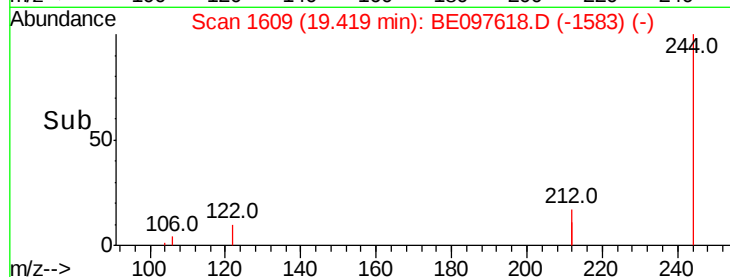
122 11.7 8.1 12.1



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: 0.387 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

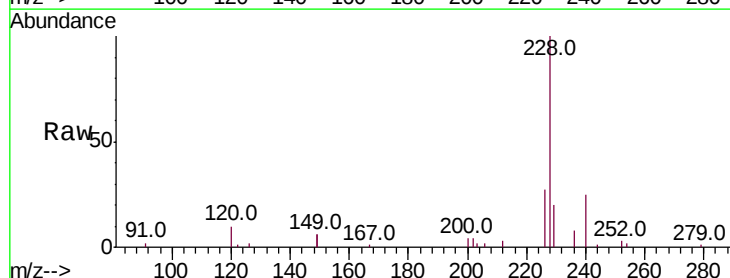
Tgt Ion:228 Resp: 7376

Ion Ratio Lower Upper

228 100

226 27.4 24.0 36.0

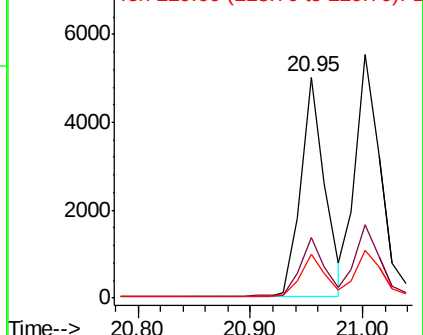
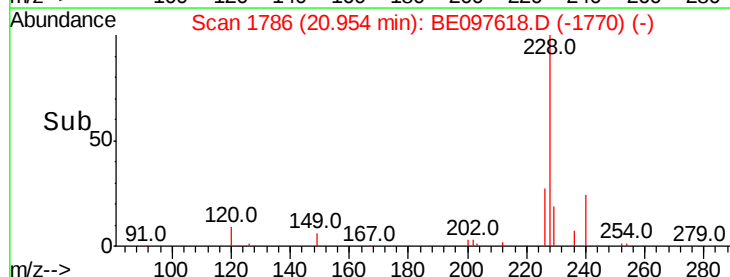
229 20.1 16.0 24.0

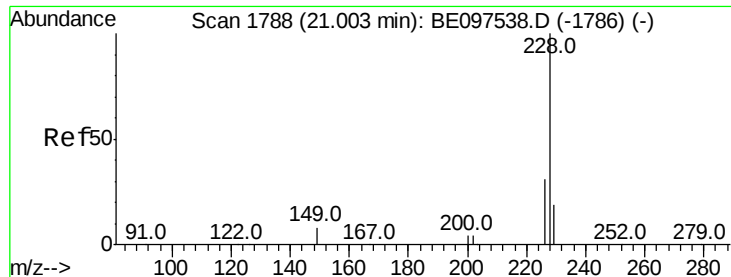


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.413 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

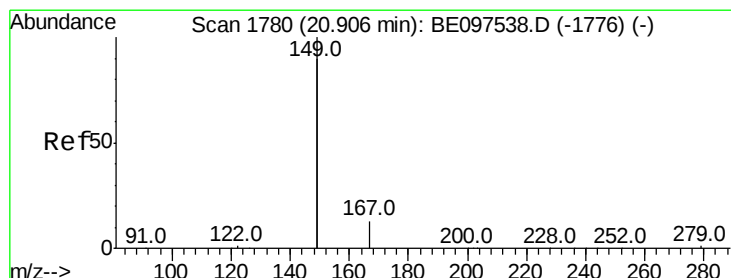
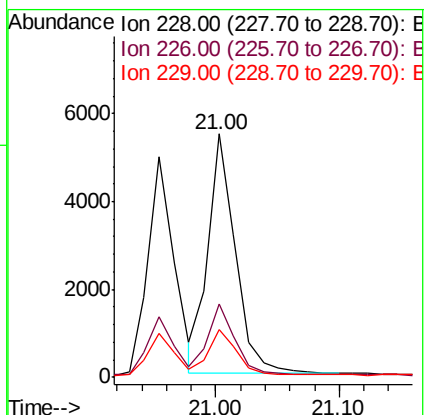
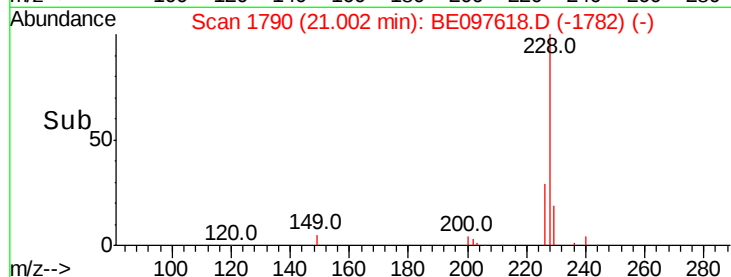
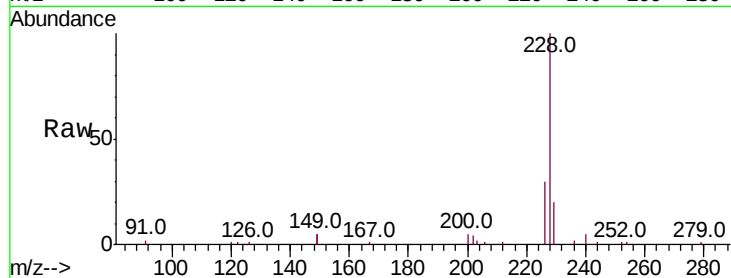
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 8438

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.8	16.0	24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.242 ng

RT: 20.91 min Scan# 1782

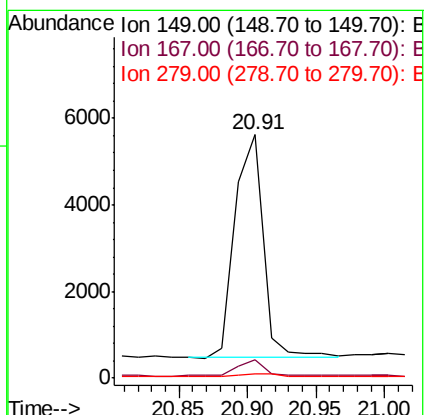
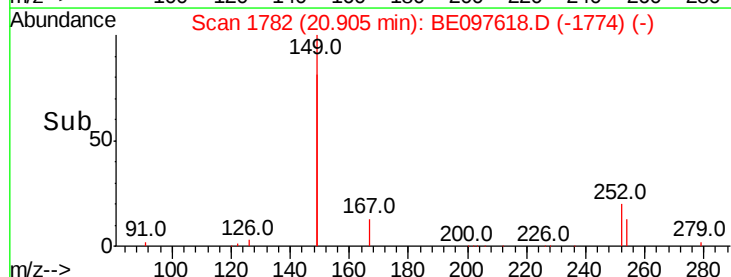
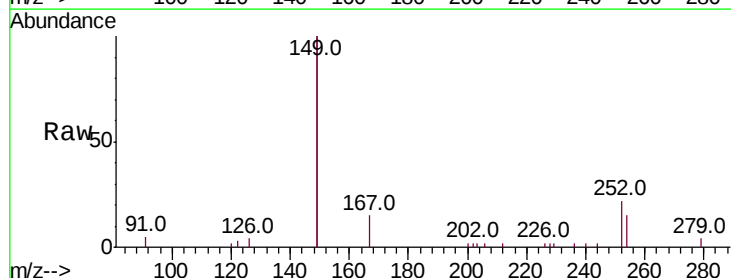
Delta R.T. -0.00 min

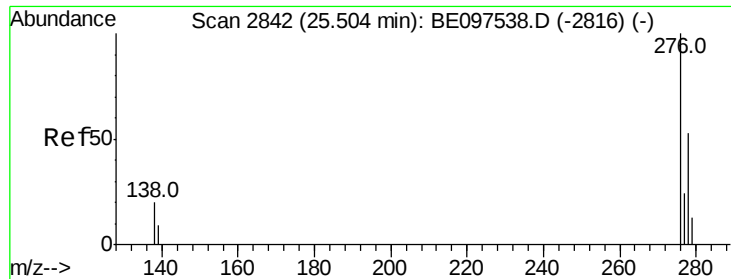
Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Tgt Ion:149 Resp: 7428

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.0	0.7	1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.439 ng

RT: 25.50 min Scan# 2844

Delta R.T. 0.00 min

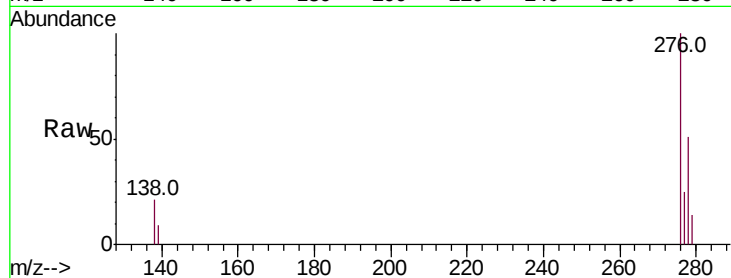
Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :



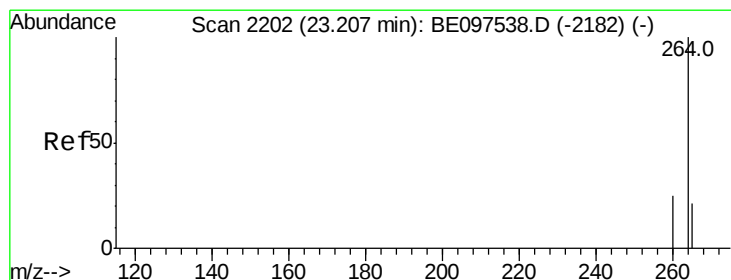
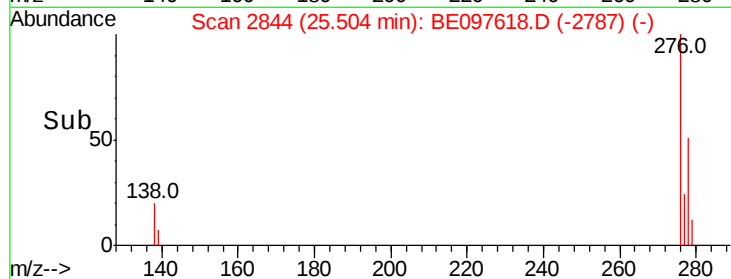
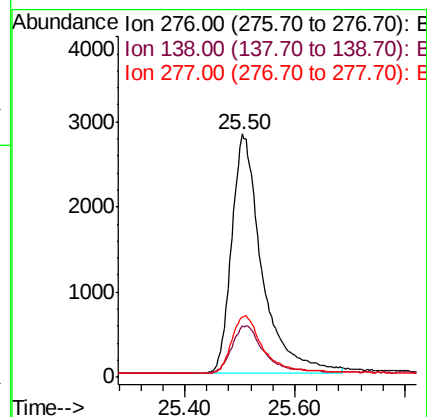
Tot Ion:276 Resp: 10804

Ion Ratio Lower Upper

276 100

138 21.2 22.5 33.7#

277 24.5 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

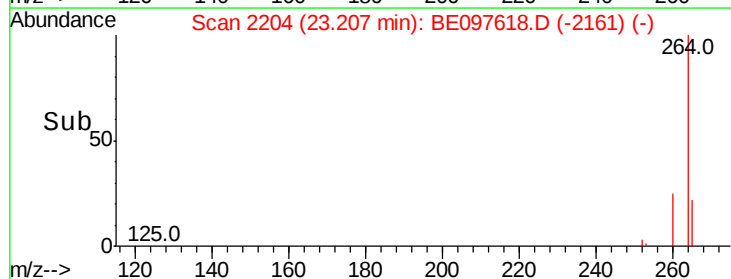
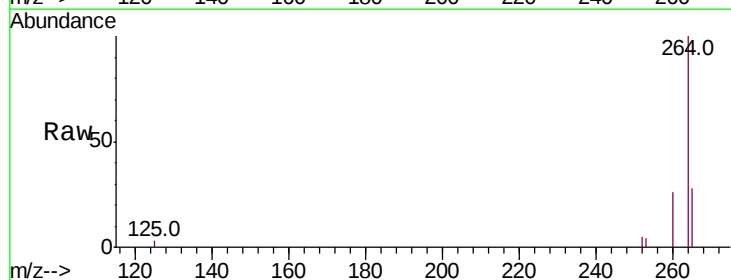
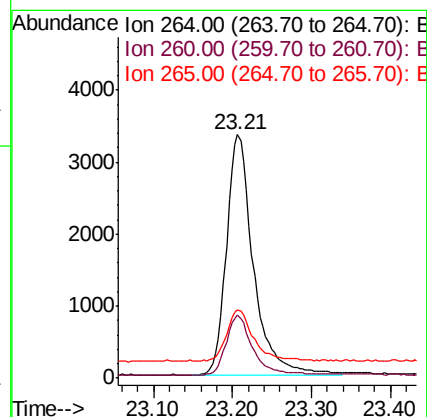
Tgt Ion:264 Resp: 7865

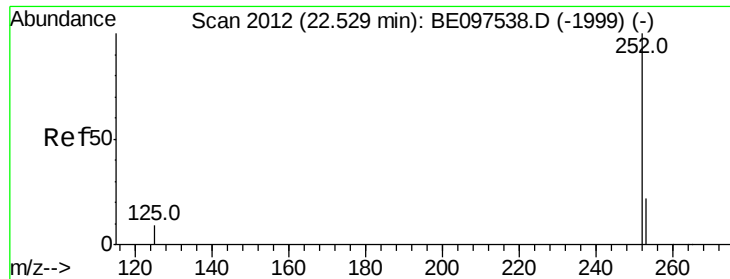
Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

265 28.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.414 ng

RT: 22.53 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

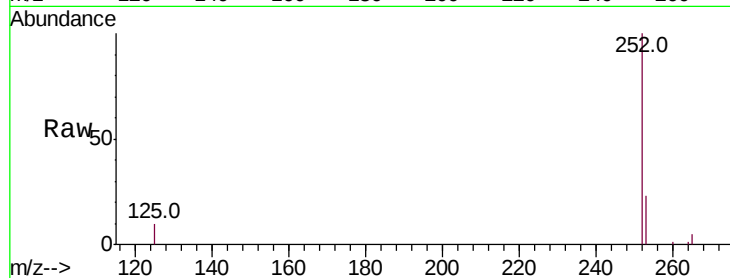
Tot Ion:252 Resp: 8339

Ion Ratio Lower Upper

252 100

253 22.7 20.0 30.0

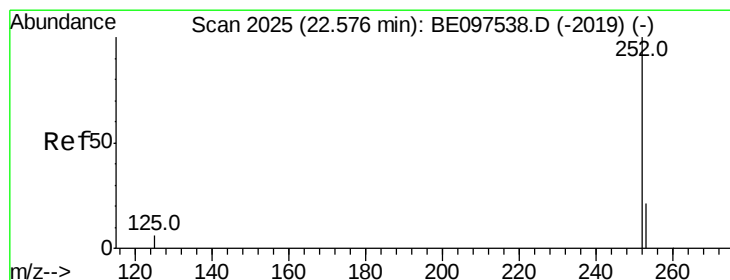
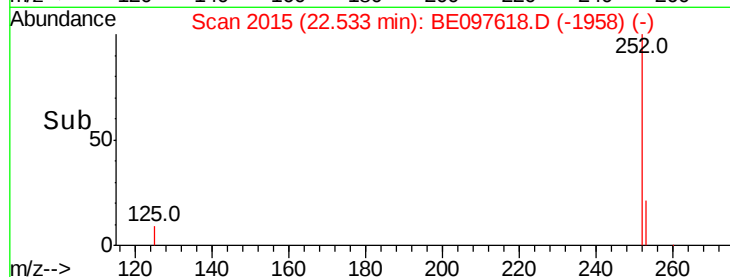
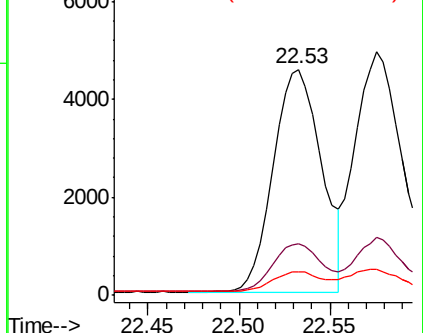
125 10.5 16.0 24.0#



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: 0.419 ng

RT: 22.58 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

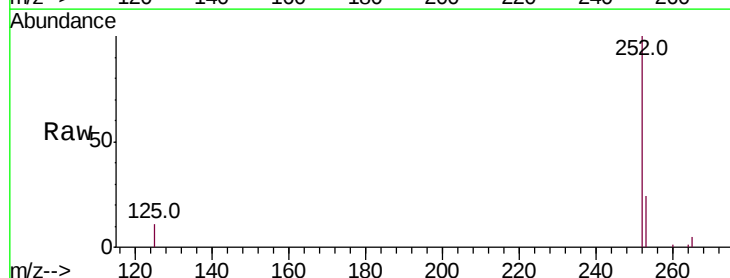
Tgt Ion:252 Resp: 9651

Ion Ratio Lower Upper

252 100

253 23.6 16.0 24.0

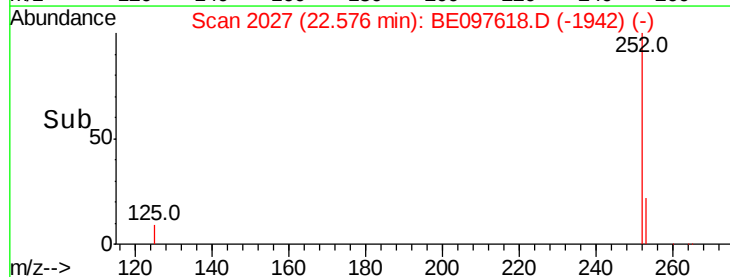
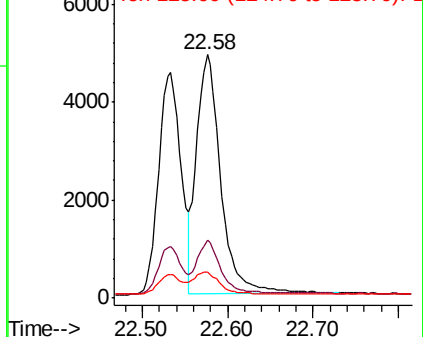
125 10.8 8.0 12.0

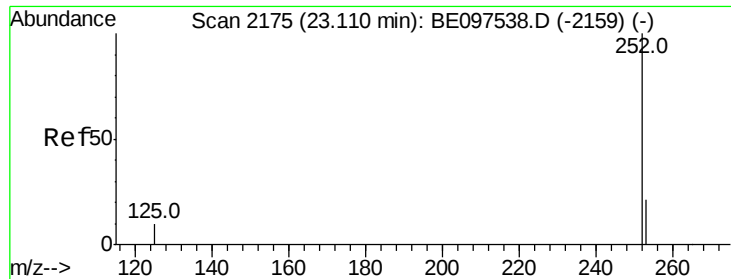


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.420 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

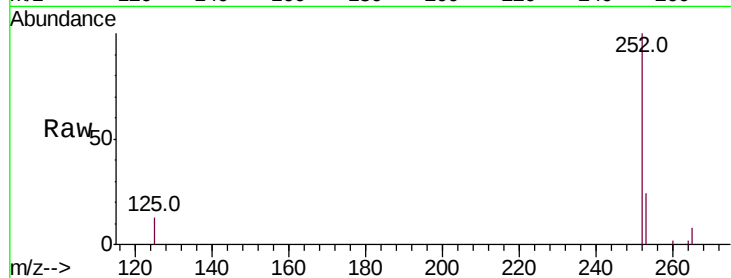
Tot Ion:252 Resp: 8227

Ion Ratio Lower Upper

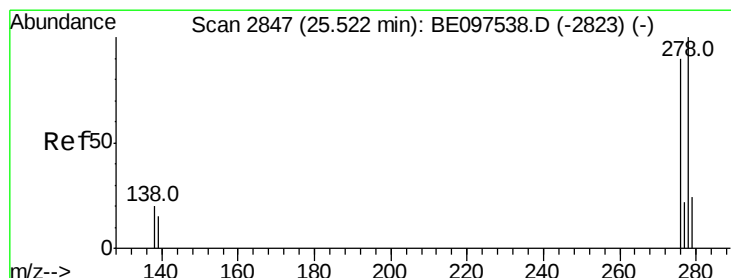
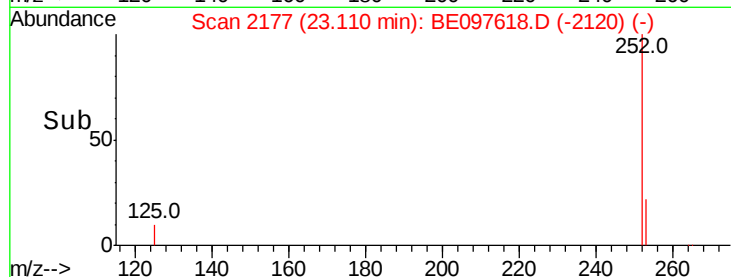
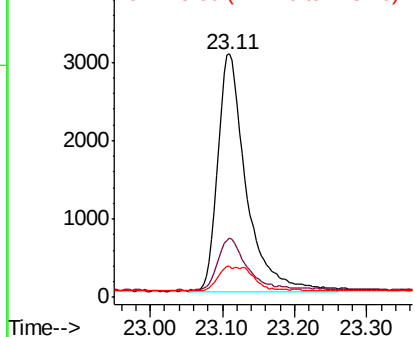
252 100

253 24.3 16.0 24.0#

125 12.8 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: 0.422 ng

RT: 25.52 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

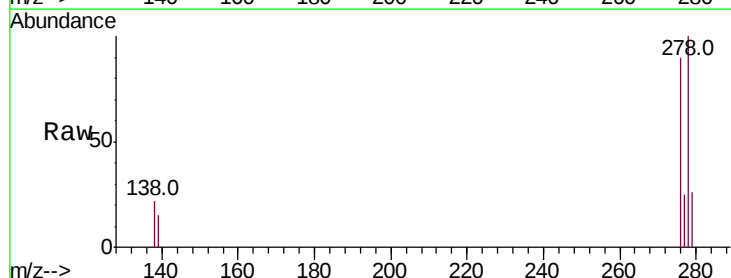
Tgt Ion:278 Resp: 8919

Ion Ratio Lower Upper

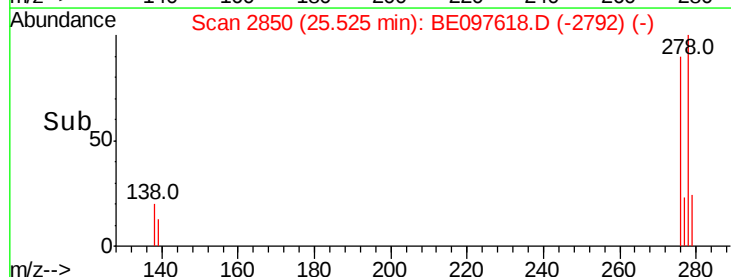
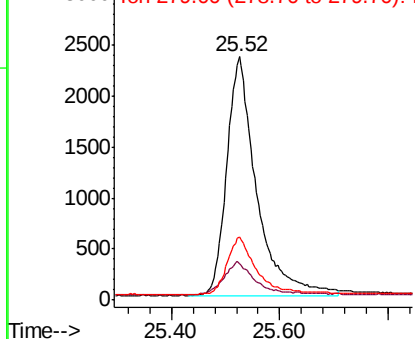
278 100

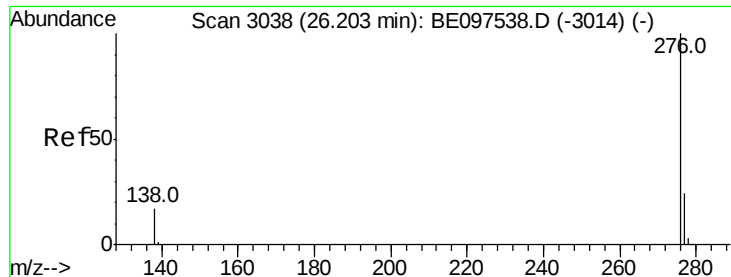
139 15.0 16.0 24.0#

279 25.7 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: 0.435 ng

RT: 26.20 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BE097618.D

Acq: 21 Sep 2018 19:07

Instrument :

BNA_E

ClientSampleId :

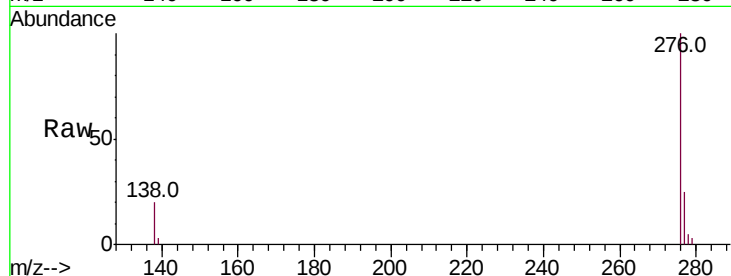
Tot Ion:276 Resp: 8935

Ion Ratio Lower Upper

276 100

277 25.4 16.0 24.0#

138 20.2 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

