

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
 Data File : BE097746.D
 Acq On : 5 Oct 2018 9:20
 Operator : SJ/JU
 Sample : PB113432BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 05 14:04:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	4320	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	16450	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7918	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	17056	0.40	ng	0.00
27) Chrysene-d12	21.49	240	17815	0.40	ng	0.00
34) Perylene-d12	24.04	264	17308	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	4339	0.42	ng	0.00
5) Phenol-d6	7.04	99	6047	0.39	ng	0.00
8) Nitrobenzene-d5	9.04	82	3553	0.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	13850	0.53	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	528	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.18	172	14357	0.41	ng	-0.01
25) Fluoranthene-d10	19.33	212	76191	0.35	ng	0.00
29) Terphenyl-d14	19.93	244	13345	0.37	ng	0.00

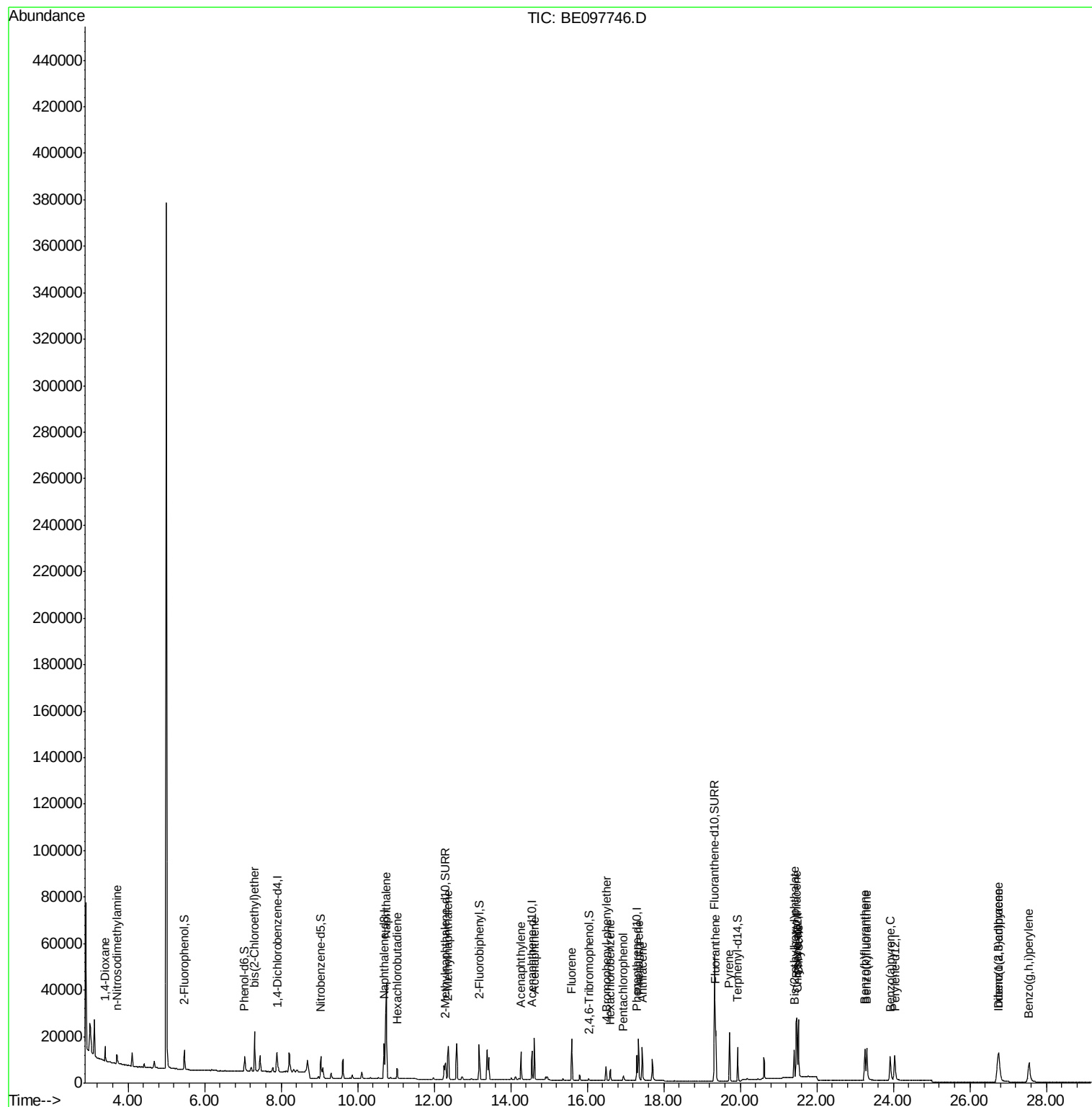
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.40	88	3529	0.410	ng	# 87
3) n-Nitrosodimethylamine	3.70	42	3170	0.405	ng	# 87
6) bis(2-Chloroethyl)ether	7.31	93	5650	0.349	ng	95
9) Naphthalene	10.74	128	68612	0.414	ng	99
10) Hexachlorobutadiene	11.04	225	3404	0.387	ng	97
12) 2-Methylnaphthalene	12.37	142	10774	0.406	ng	99
16) Acenaphthylene	14.27	152	13410	0.382	ng	99
17) Acenaphthene	14.62	154	8589	0.382	ng	97
18) Fluorene	15.59	166	10856	0.364	ng	100
20) 4-Bromophenyl-phenylether	16.50	248	3623	0.405	ng	88
21) Hexachlorobenzene	16.60	284	3988	0.396	ng	99
22) Pentachlorophenol	16.94	266	1308	0.828	ng	91
23) Phenanthrene	17.34	178	18152	0.413	ng	100
24) Anthracene	17.43	178	15194	0.400	ng	99
26) Fluoranthene	19.36	202	20680	0.369	ng	99
28) Pyrene	19.72	202	20522	0.453	ng	100
30) Benzo(a)anthracene	21.46	228	20933	0.437	ng	97
31) Chrysene	21.52	228	22845	0.427	ng	98
32) Bis(2-ethylhexyl)phthalate	21.42	149	14926	0.426	ng	100
33) Indeno(1,2,3-cd)pyrene	26.73	276	25444	0.547	ng	# 91
35) Benzo(b)fluoranthene	23.26	252	20388	0.429	ng	99
36) Benzo(k)fluoranthene	23.31	252	21487	0.408	ng	98
37) Benzo(a)pyrene	23.92	252	19213	0.447	ng	98
38) Dibenzo(a,h)anthracene	26.76	278	21347	0.504	ng	97
39) Benzo(g,h,i)perylene	27.55	276	23833	0.538	ng	99

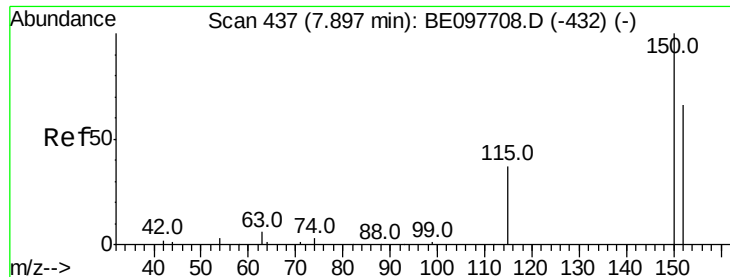
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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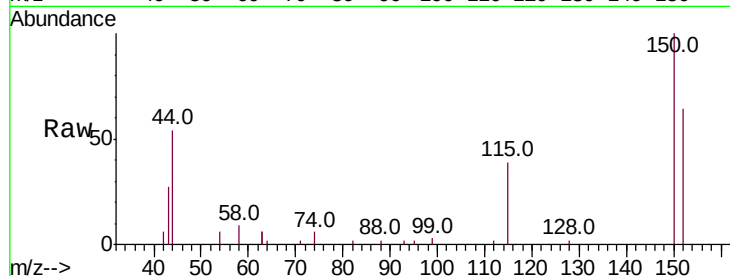


#1

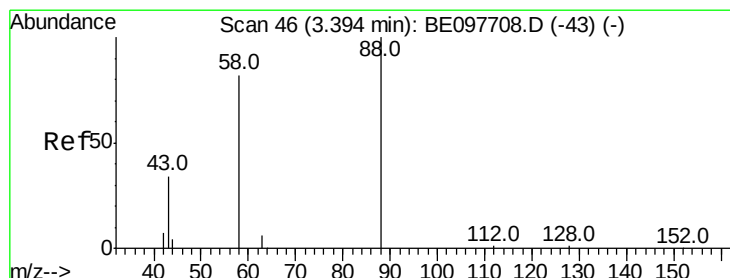
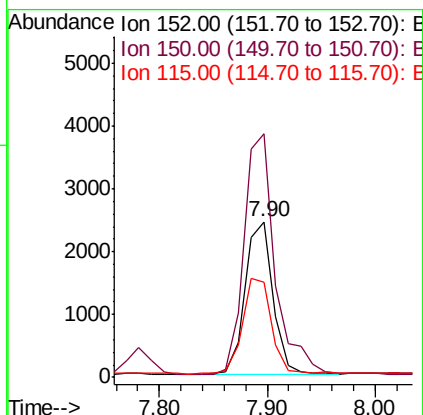
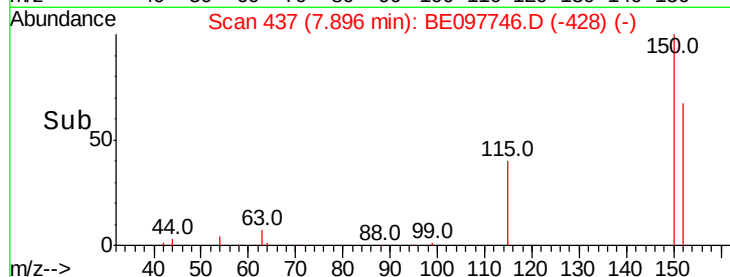
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097746.D
Acq: 5 Oct 2018 9:20

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 4320
Ion Ratio Lower Upper
152 100
150 156.4 120.9 181.3
115 60.9 46.6 69.8



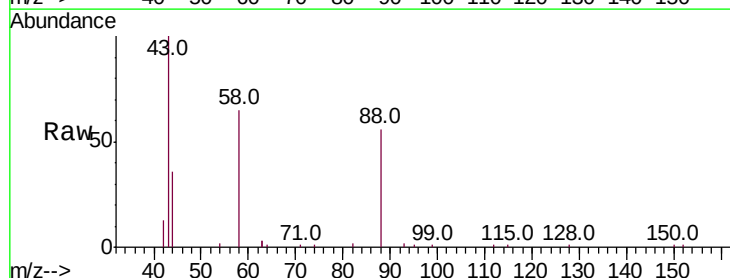
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



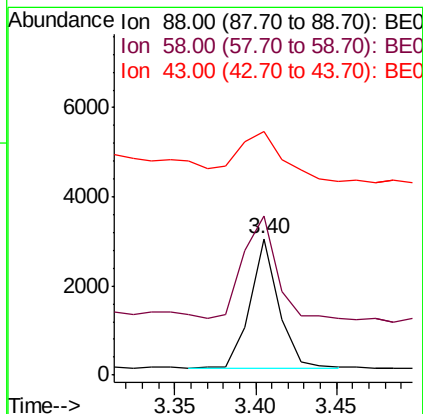
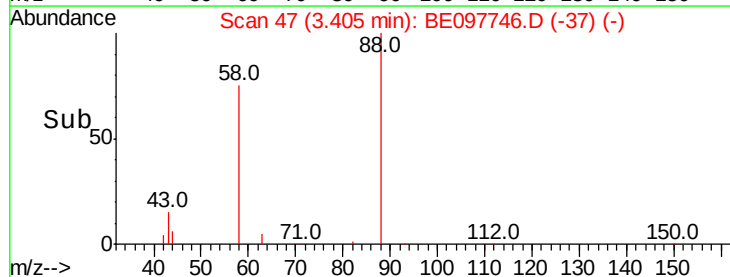
#2

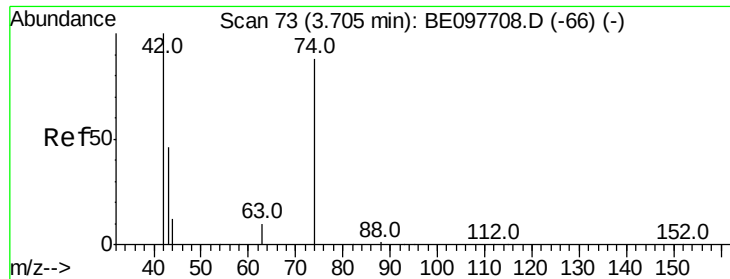
1,4-Dioxane
Concen: 0.410 ng
RT: 3.40 min Scan# 47
Delta R.T. 0.01 min
Lab File: BE097746.D
Acq: 5 Oct 2018 9:20

Tgt Ion: 88 Resp: 3529
Ion Ratio Lower Upper
88 100
58 92.2 70.8 106.2
43 60.9 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: 0.405 ng

RT: 3.70 min Scan# 73

Delta R.T. -0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

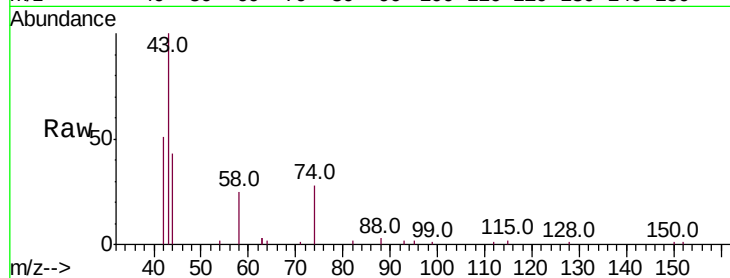
Tot Ion: 42 Resp: 3170

Ion Ratio Lower Upper

42 100

74 101.0 70.7 106.1

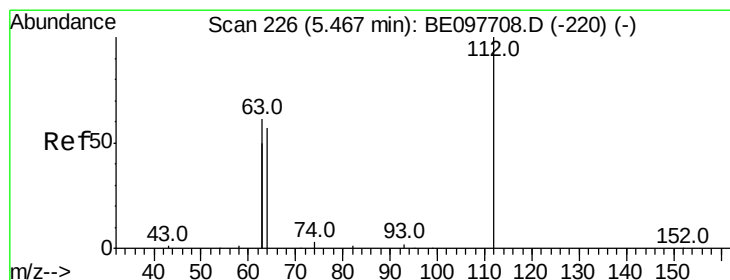
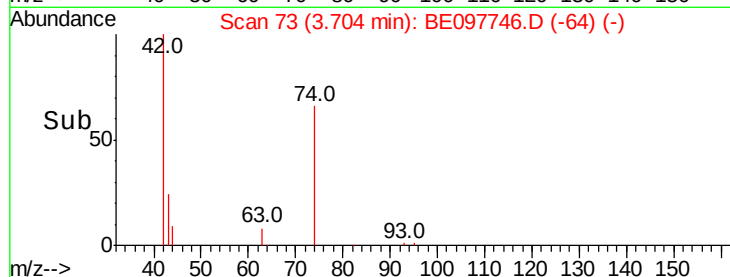
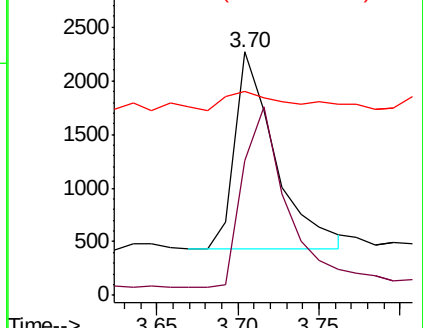
44 12.9 15.0 22.4#



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: 0.425 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

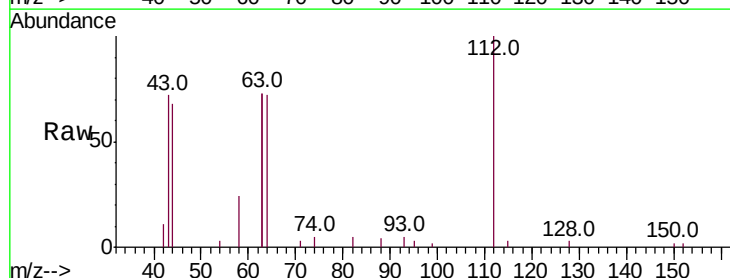
Tgt Ion: 112 Resp: 4339

Ion Ratio Lower Upper

112 100

64 71.9 56.6 84.8

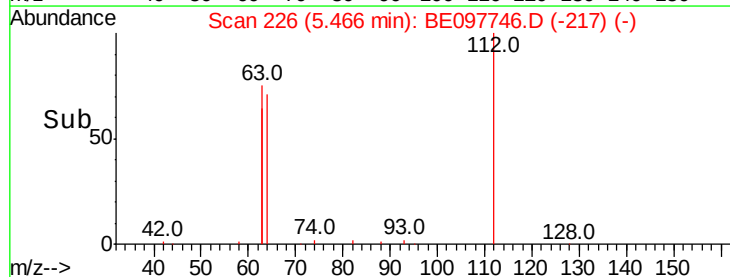
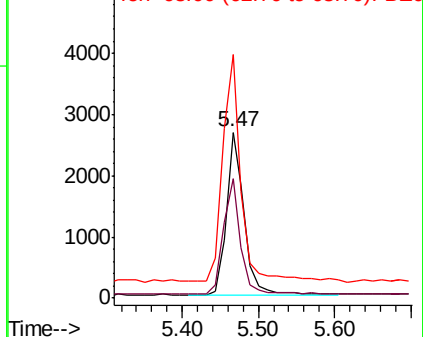
63 148.1 119.4 179.0

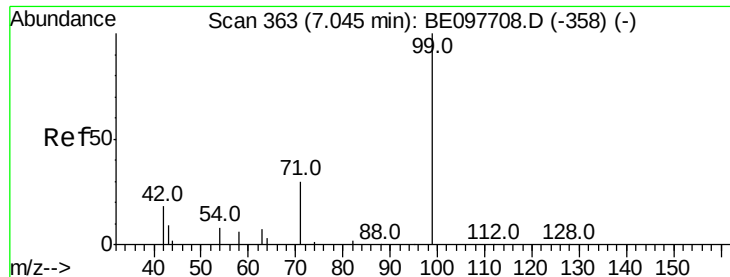


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.386 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

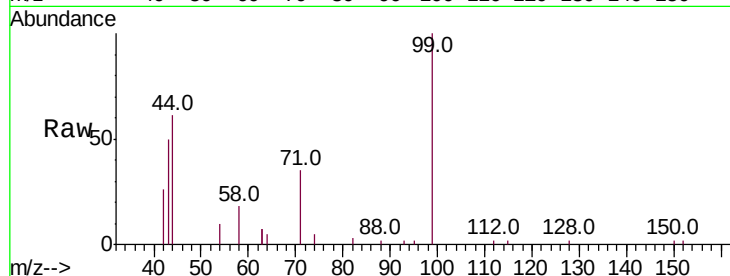
Tot Ion: 99 Resp: 6047

Ion Ratio Lower Upper

99 100

42 25.9 19.9 29.9

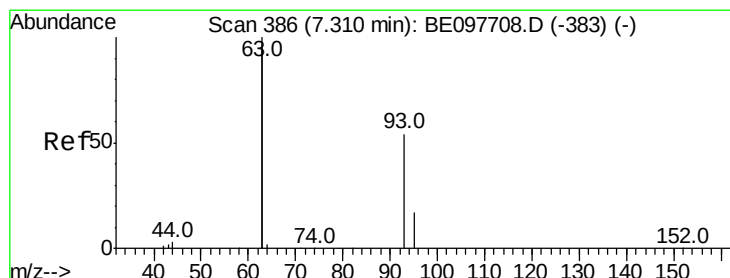
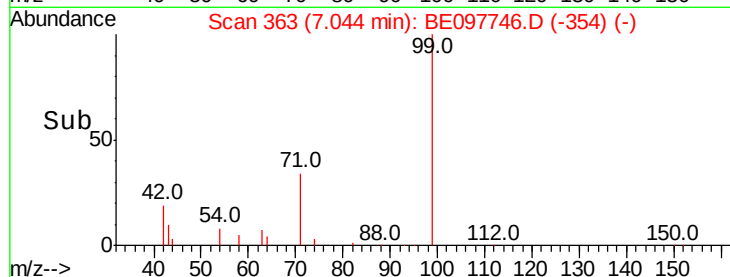
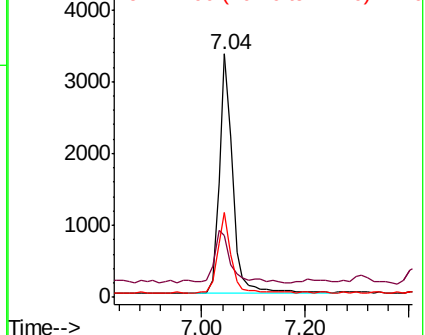
71 32.7 25.4 38.2



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: 0.349 ng

RT: 7.31 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

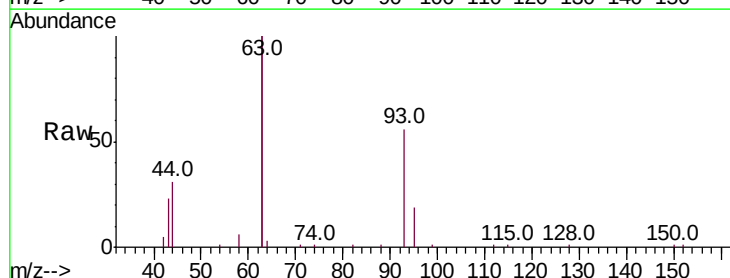
Tgt Ion: 93 Resp: 5650

Ion Ratio Lower Upper

93 100

63 344.0 266.9 400.3

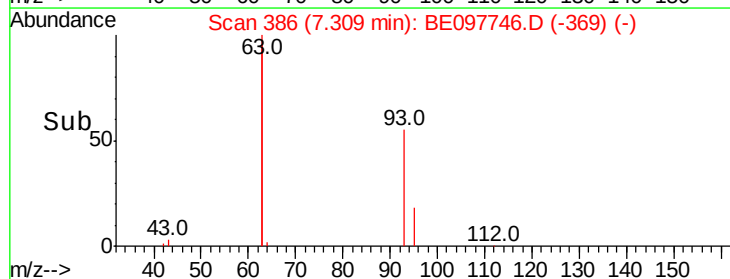
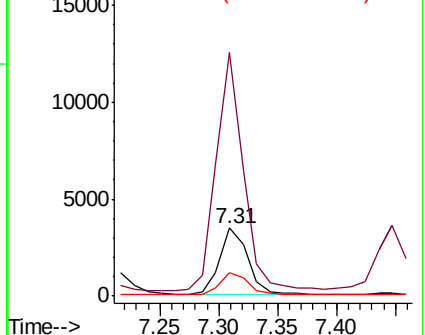
95 34.3 26.2 39.2

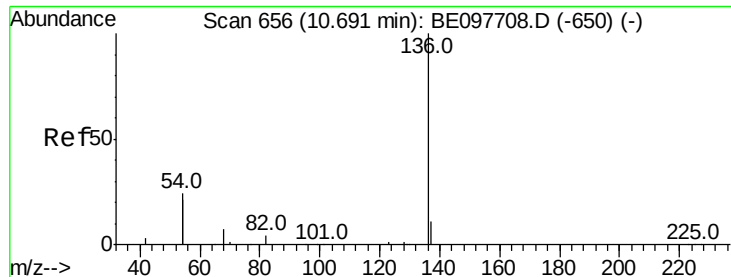


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 16450

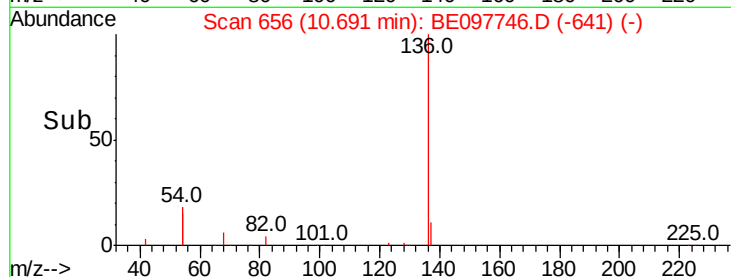
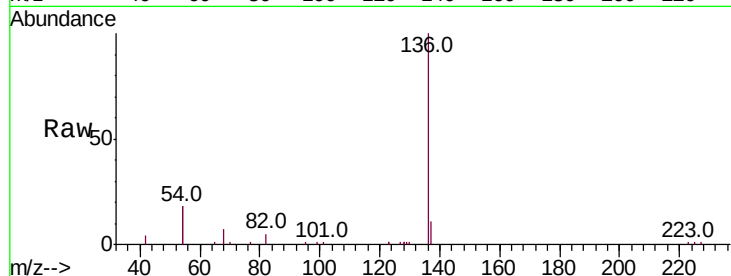
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 36.0 37.8 56.6#

68 7.1 6.4 9.6

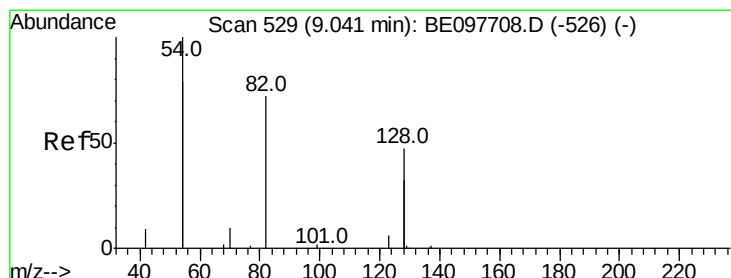
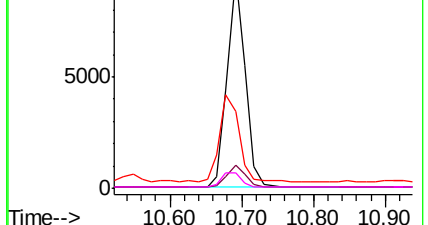


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.665 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

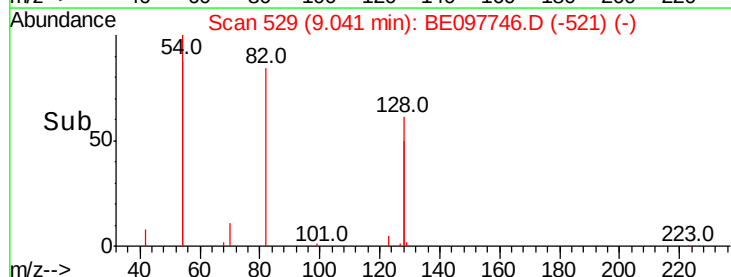
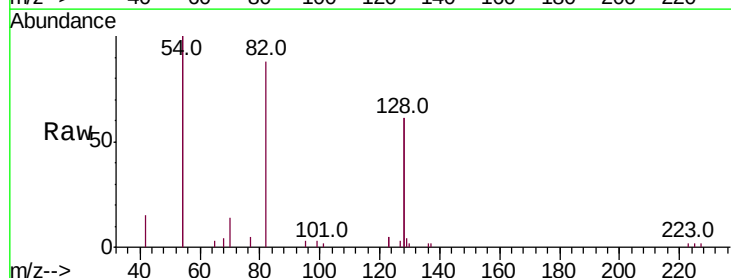
Tgt Ion: 82 Resp: 3553

Ion Ratio Lower Upper

82 100

128 139.8 97.0 145.4

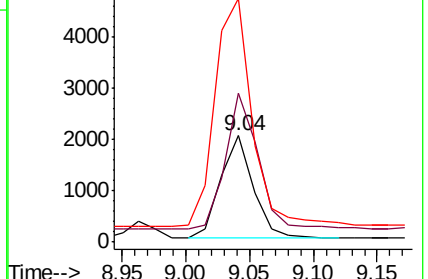
54 228.6 206.9 310.3

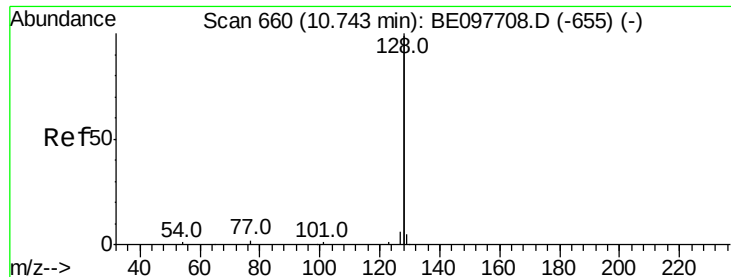


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.414 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampled :

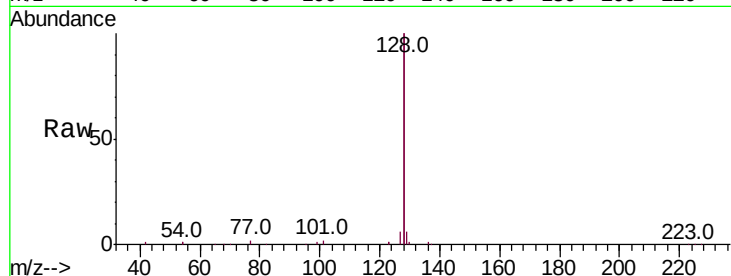
Tot Ion:128 Resp: 68612

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.2

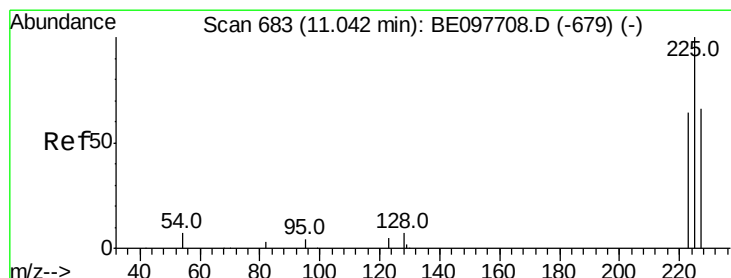
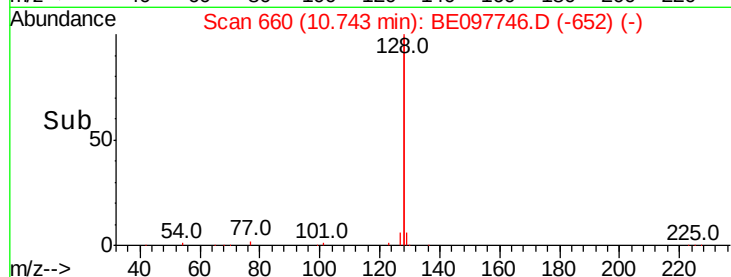
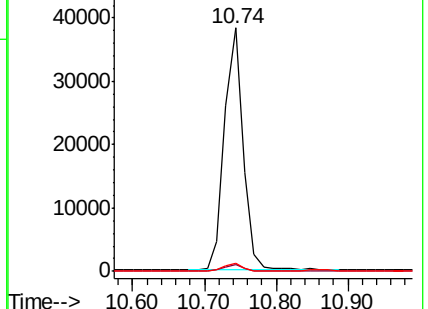
127 3.2 2.7 4.1



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: 0.387 ng

RT: 11.04 min Scan# 683

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

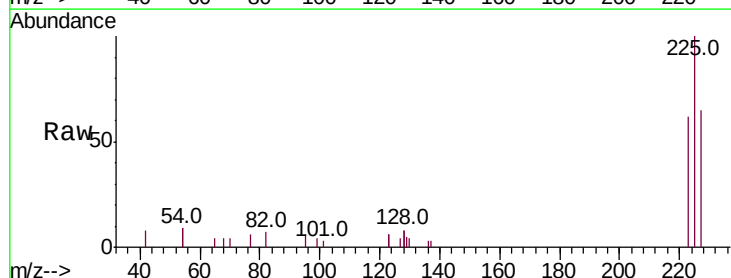
Tgt Ion:225 Resp: 3404

Ion Ratio Lower Upper

225 100

223 63.4 52.2 78.4

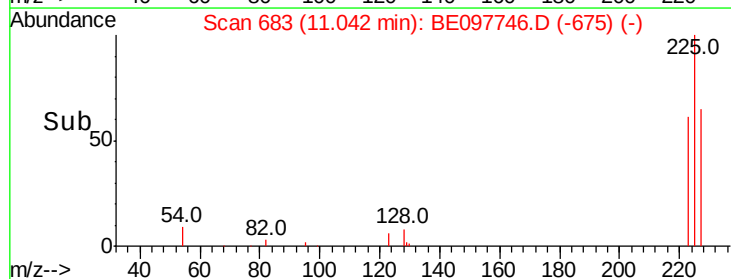
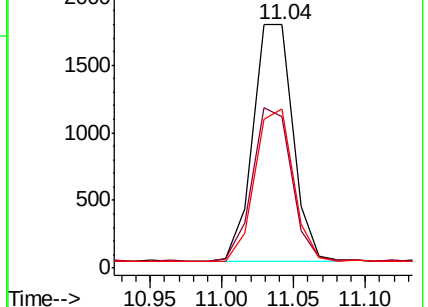
227 61.6 51.2 76.8

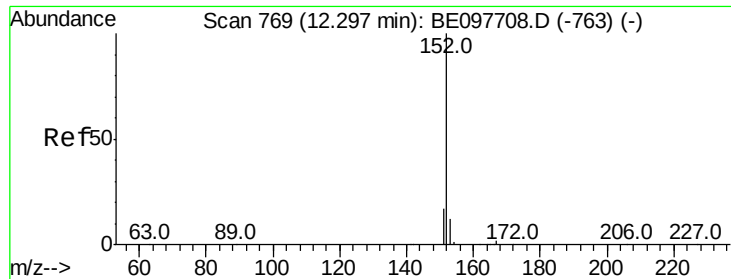


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

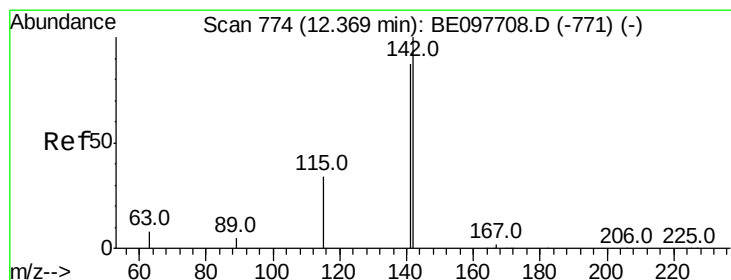
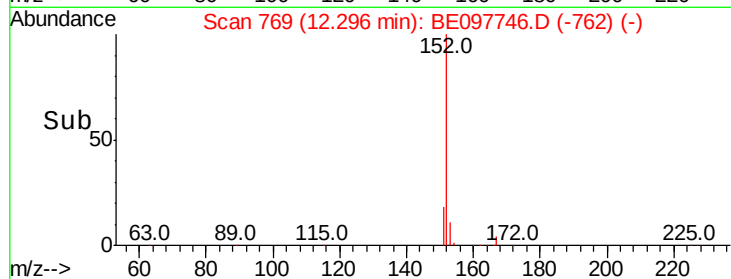
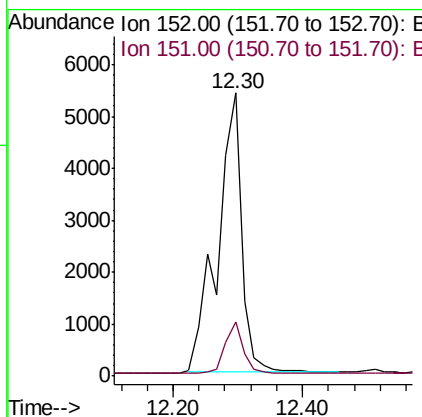
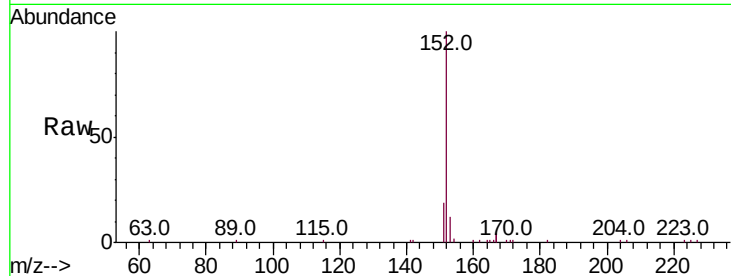




#11
 2-Methylnaphthalene-d10
 Concen: 0.529 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE097746.D
 Acq: 5 Oct 2018 9:20

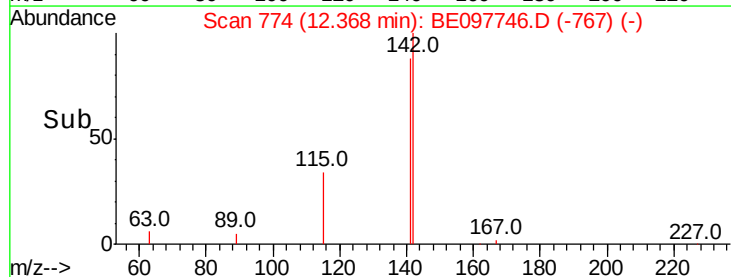
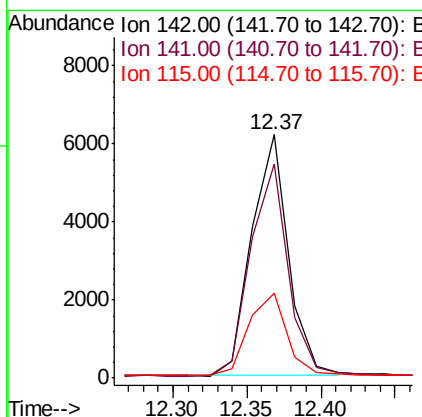
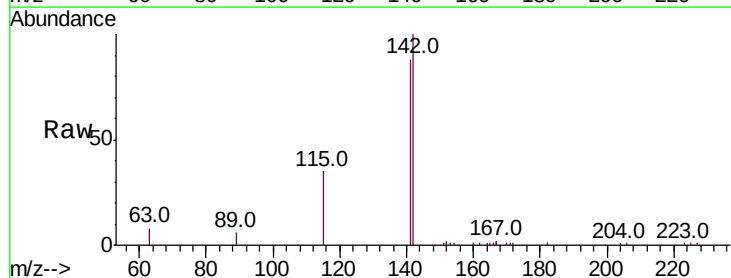
Instrument :
 BNA_E
 ClientSampleId :

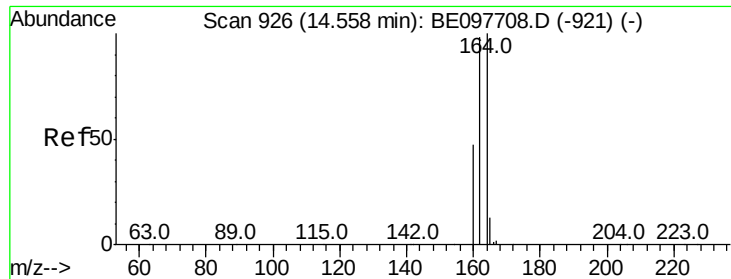
Tot Ion:152 Resp: 13850
 Ion Ratio Lower Upper
 152 100
 151 13.2 15.4 23.2#



#12
 2-Methylnaphthalene
 Concen: 0.406 ng
 RT: 12.37 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BE097746.D
 Acq: 5 Oct 2018 9:20

Tgt Ion:142 Resp: 10774
 Ion Ratio Lower Upper
 142 100
 141 87.9 69.4 104.2
 115 34.7 28.0 42.0

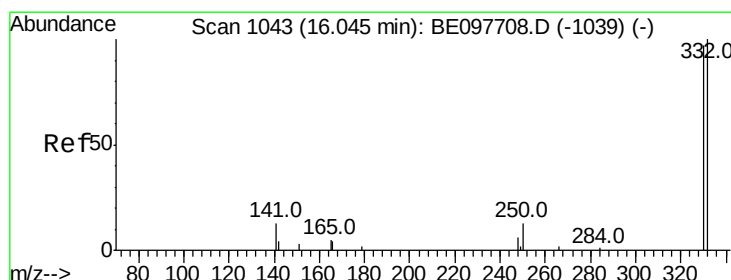
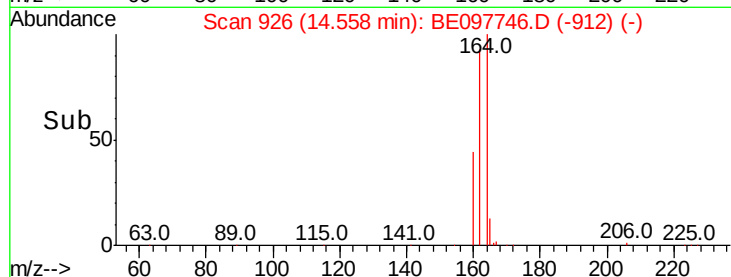
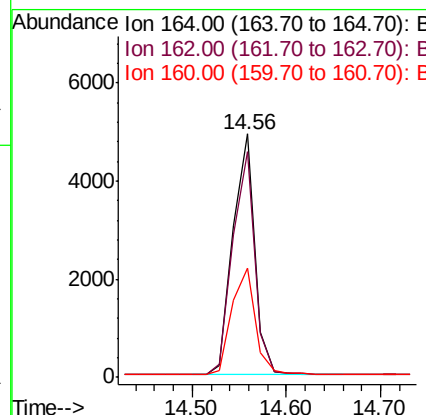
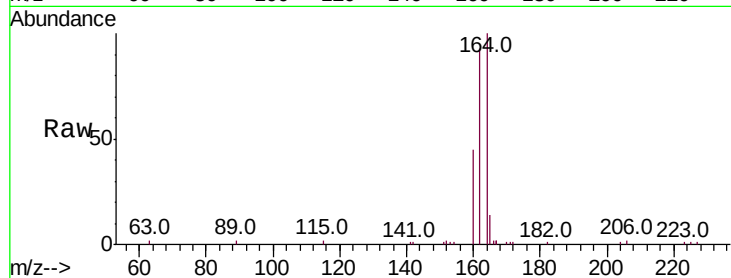




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097746.D
Acq: 5 Oct 2018 9:20

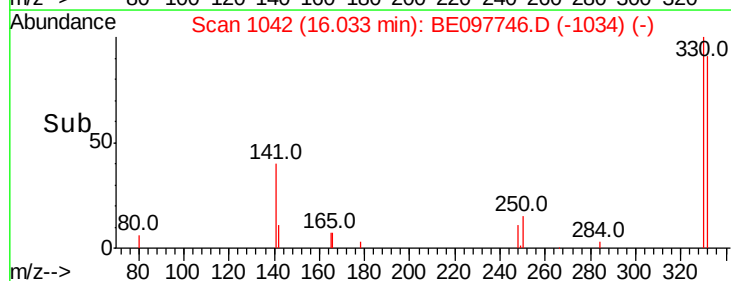
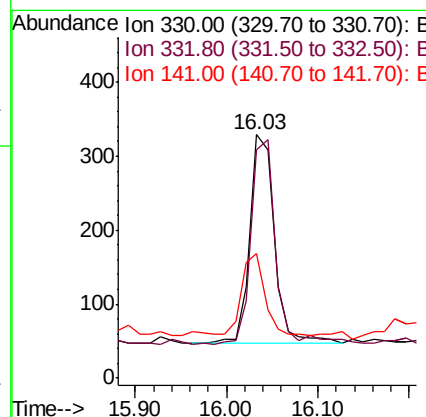
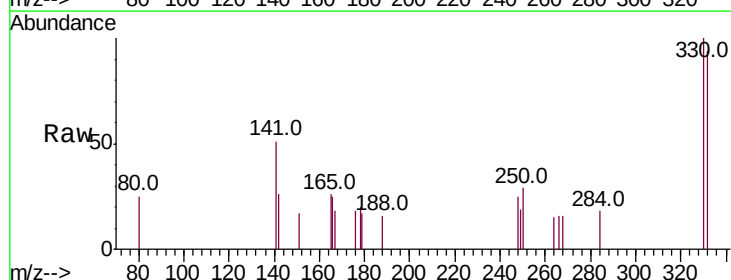
Instrument :
BNA_E
ClientSampleId :

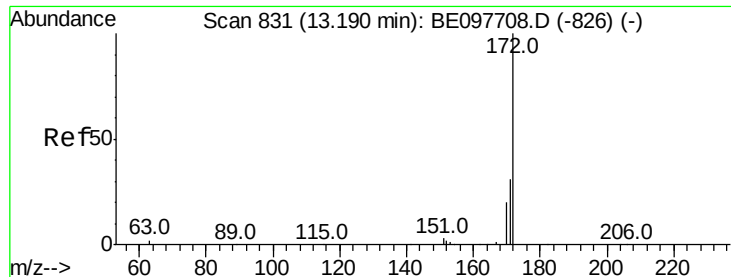
Tot Ion:164 Resp: 7918
Ion Ratio Lower Upper
164 100
162 92.7 78.6 117.8
160 44.9 37.8 56.6



#14
2,4,6-Tribromophenol
Concen: 0.368 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097746.D
Acq: 5 Oct 2018 9:20

Tgt Ion:330 Resp: 528
Ion Ratio Lower Upper
330 100
332 97.3 83.5 125.3
141 37.7 34.9 52.3

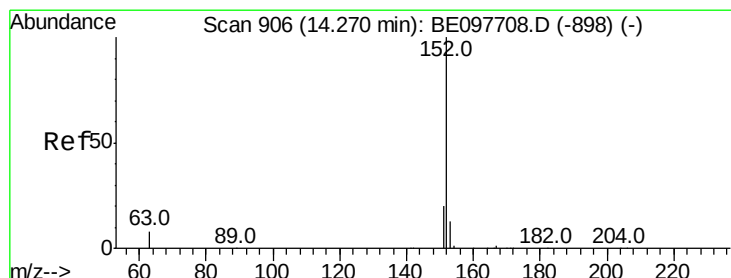
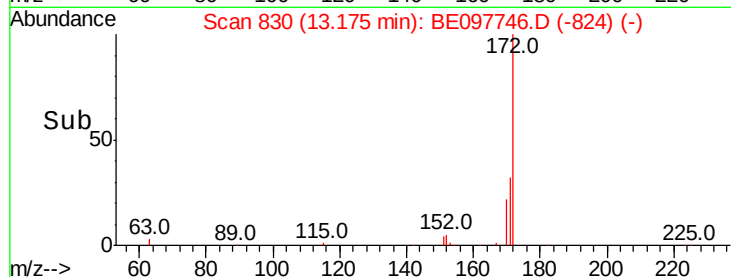
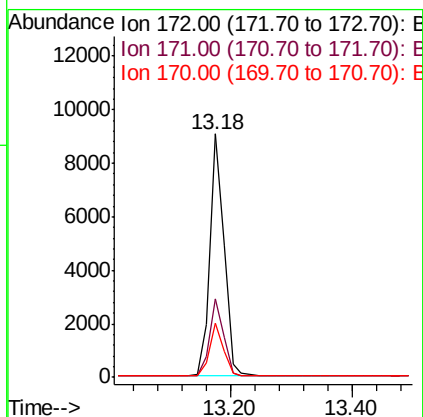
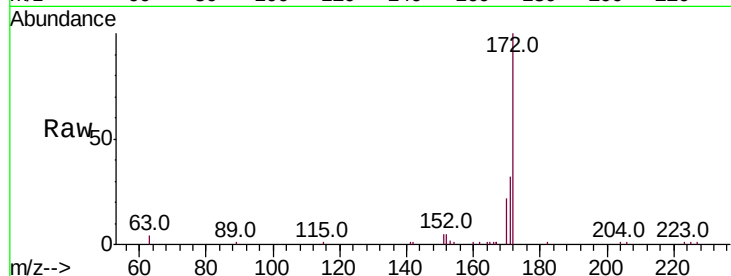




#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 13.18 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097746.D
Acq: 5 Oct 2018 9:20

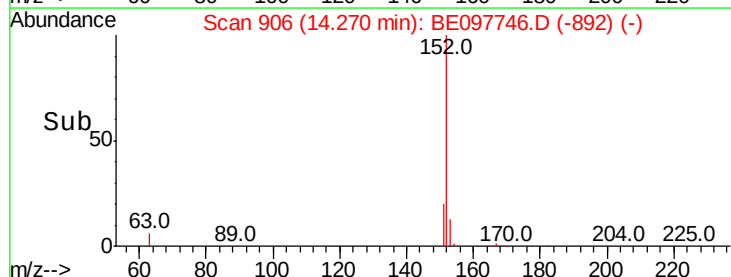
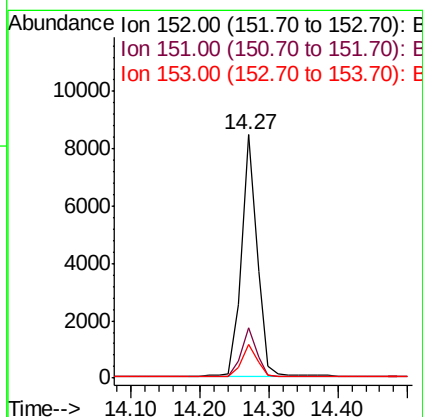
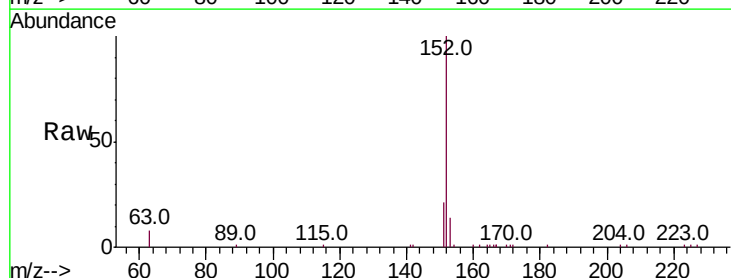
Instrument :
BNA_E
ClientSampleId :

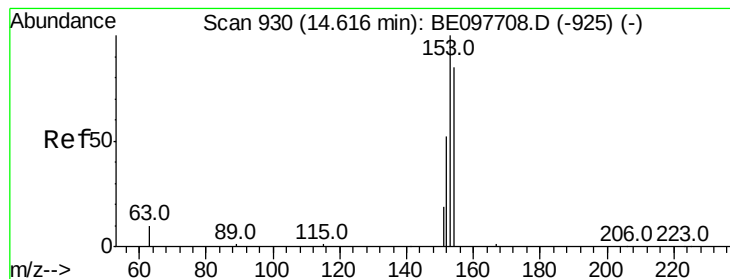
Tot Ion:172 Resp: 14357
Ion Ratio Lower Upper
172 100
171 32.5 25.2 37.8
170 22.2 16.2 24.2



#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097746.D
Acq: 5 Oct 2018 9:20

Tgt Ion:152 Resp: 13410
Ion Ratio Lower Upper
152 100
151 19.6 15.3 22.9
153 13.4 10.8 16.2





#17

Acenaphthene

Concen: 0.382 ng

RT: 14.62 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

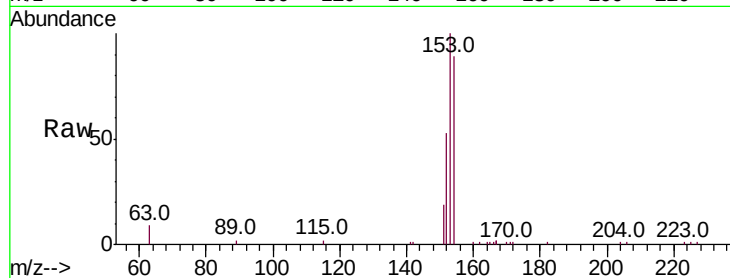
Tot Ion:154 Resp: 8589

Ion Ratio Lower Upper

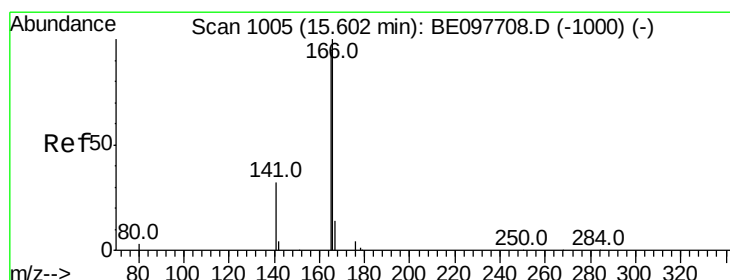
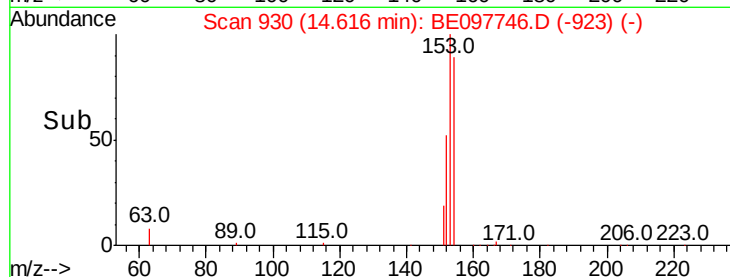
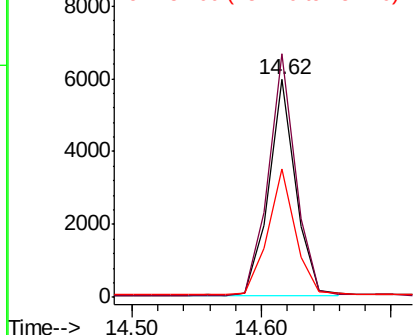
154 100

153 112.6 93.3 139.9

152 59.1 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: 0.364 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

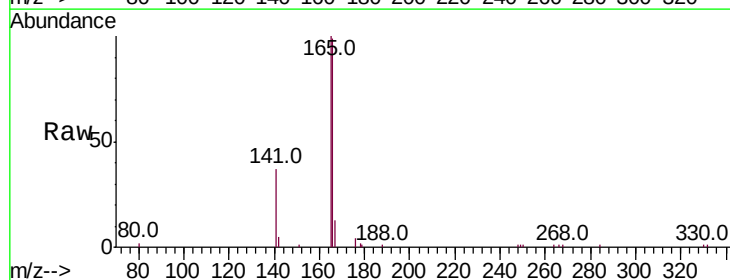
Tgt Ion:166 Resp: 10856

Ion Ratio Lower Upper

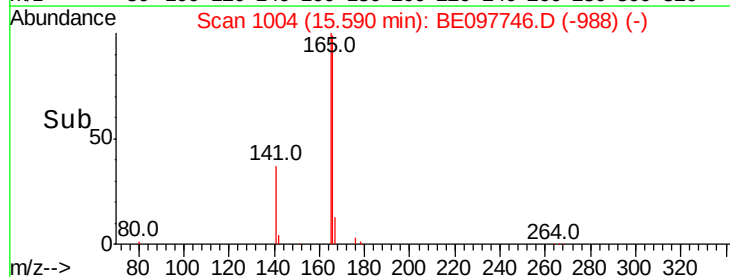
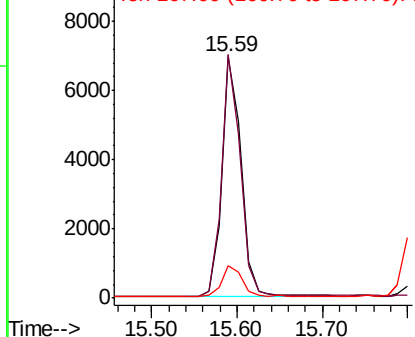
166 100

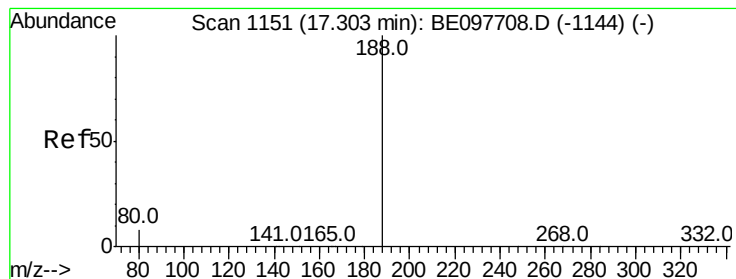
165 98.6 79.0 118.4

167 13.3 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: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampled :

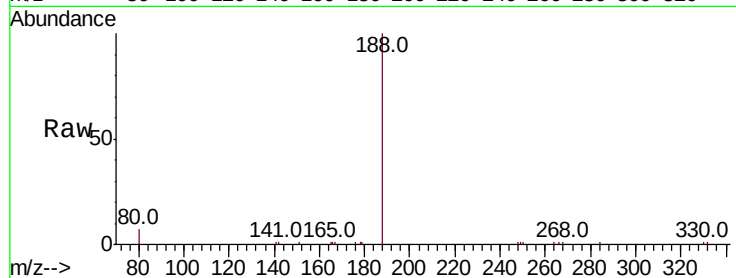
Tot Ion:188 Resp: 17056

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

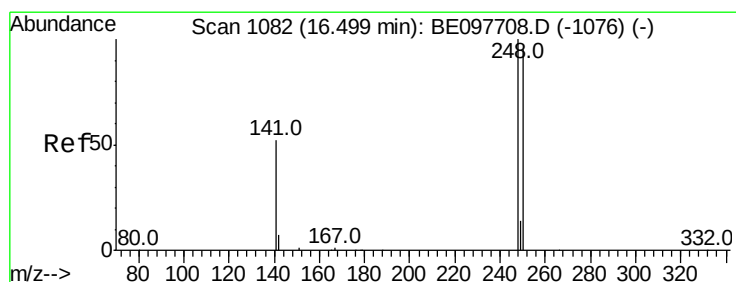
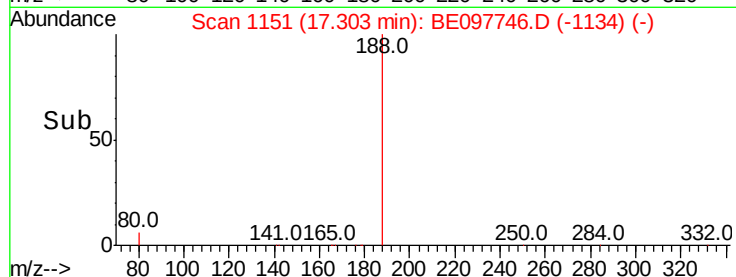
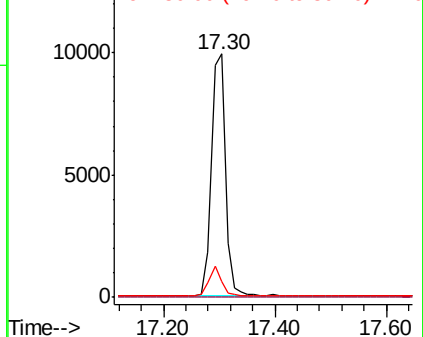
80 6.7 6.6 9.8



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: 0.405 ng

RT: 16.50 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

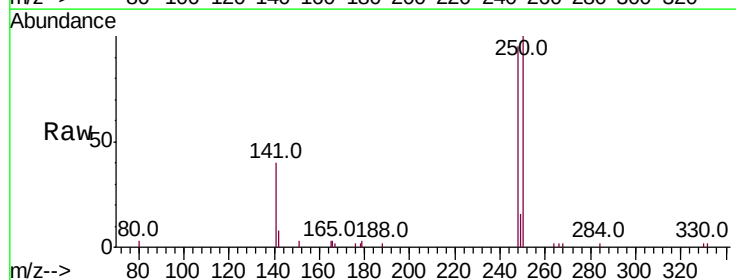
Tgt Ion:248 Resp: 3623

Ion Ratio Lower Upper

248 100

250 105.0 76.1 114.1

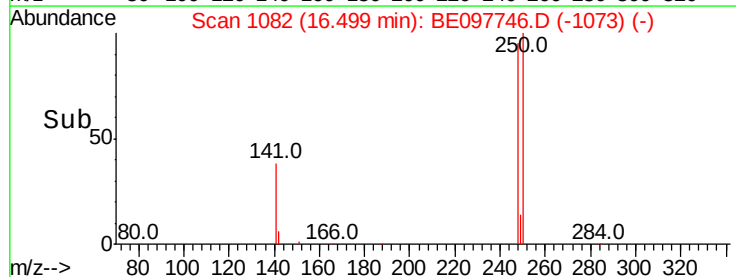
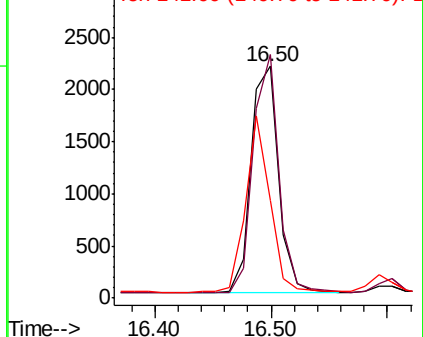
141 42.3 42.2 63.4

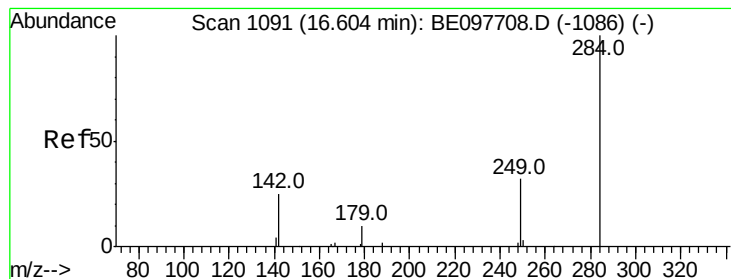


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.396 ng

RT: 16.60 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

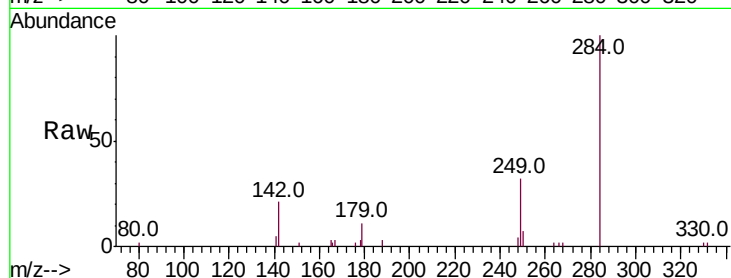
Tot Ion:284 Resp: 3988

Ion Ratio Lower Upper

284 100

142 32.1 24.9 37.3

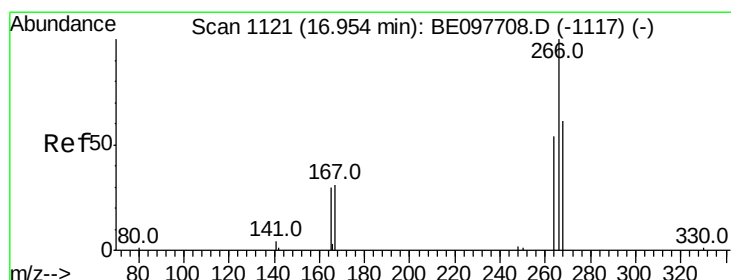
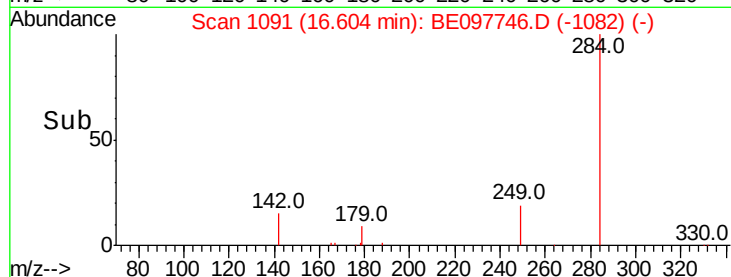
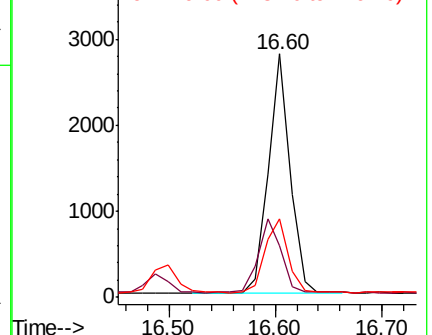
249 32.7 25.8 38.8



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: 0.828 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

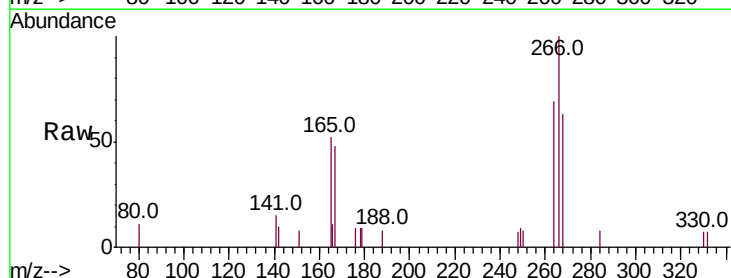
Tgt Ion:266 Resp: 1308

Ion Ratio Lower Upper

266 100

264 68.7 46.8 70.2

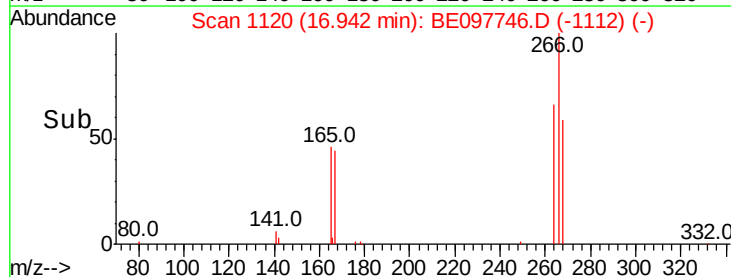
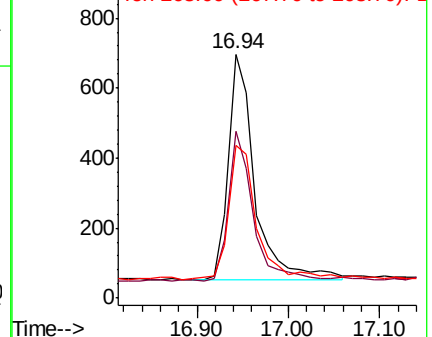
268 62.6 53.0 79.6

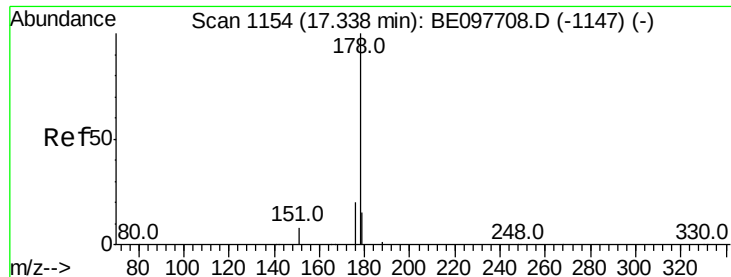


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.413 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

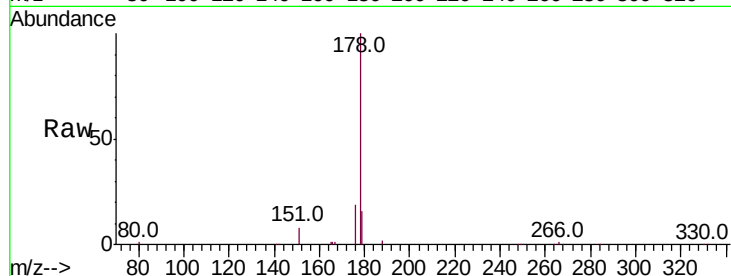
Tot Ion:178 Resp: 18152

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

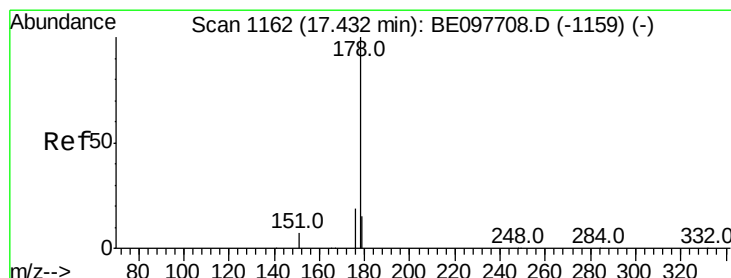
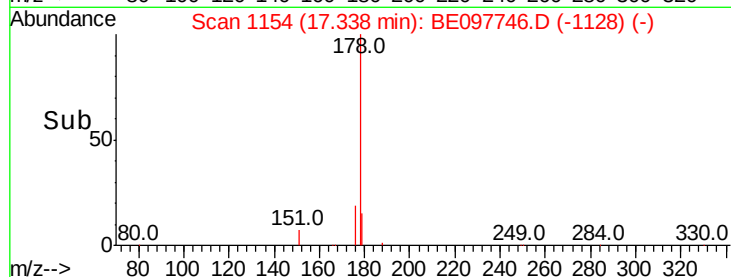
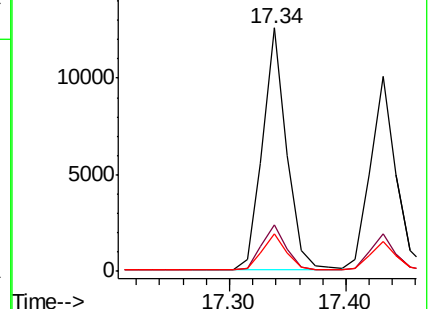
179 15.3 12.2 18.4



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: 0.400 ng

RT: 17.43 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

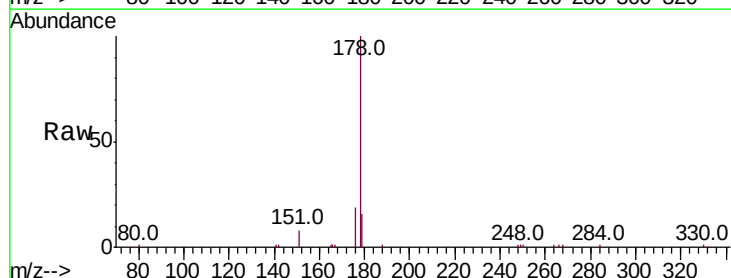
Tgt Ion:178 Resp: 15194

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

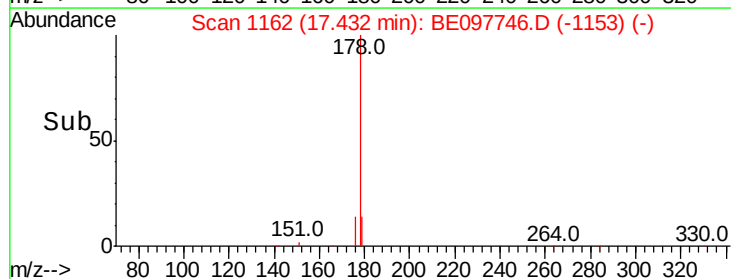
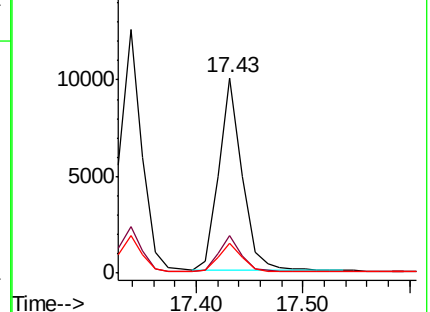
179 15.2 12.2 18.2

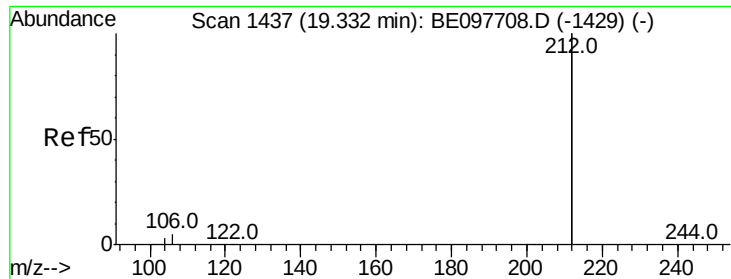


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

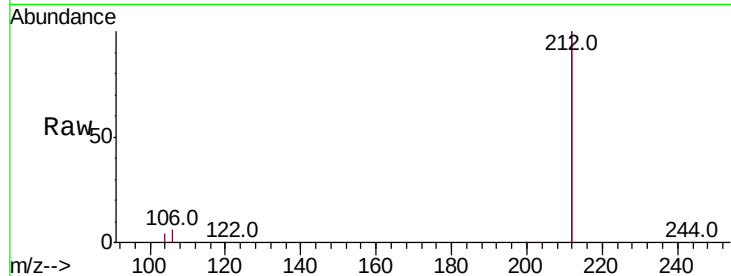
Tot Ion:212 Resp: 76191

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

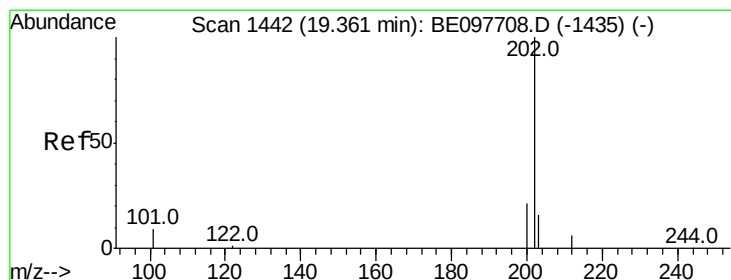
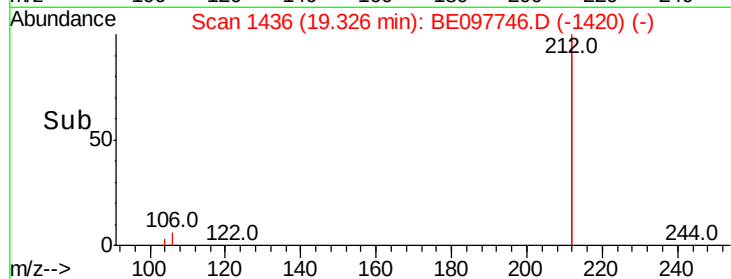
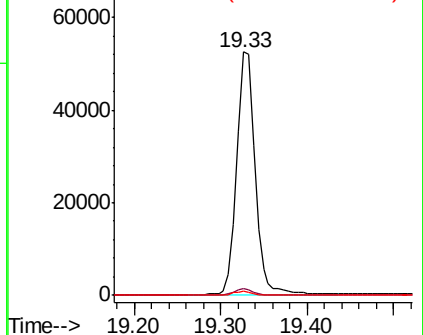
104 1.5 1.2 1.8



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: 0.369 ng

RT: 19.36 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

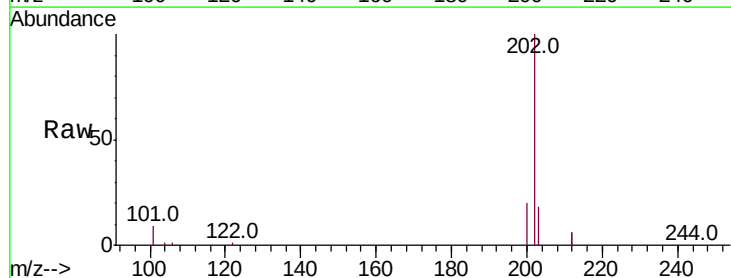
Tgt Ion:202 Resp: 20680

Ion Ratio Lower Upper

202 100

101 9.6 7.8 11.8

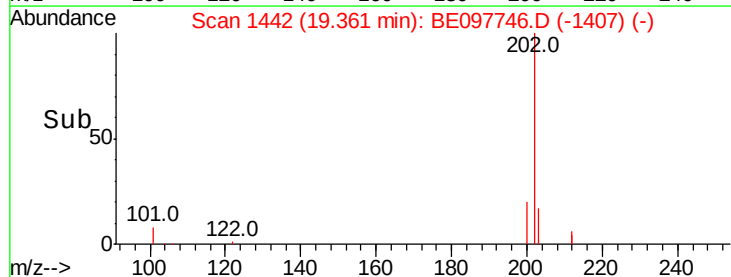
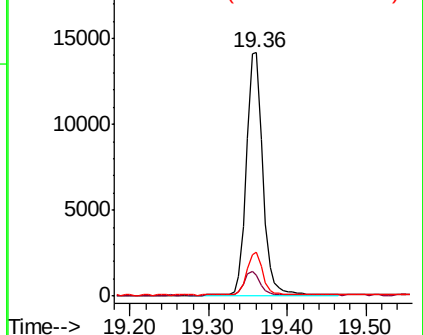
203 16.9 13.8 20.6

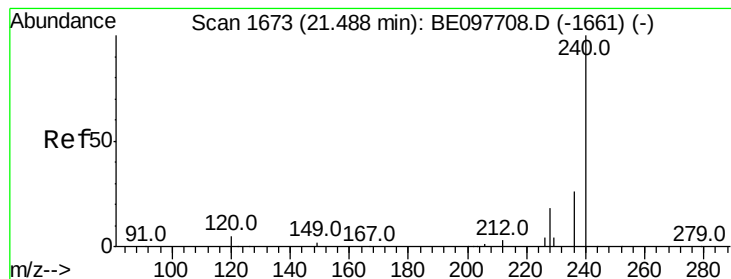


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

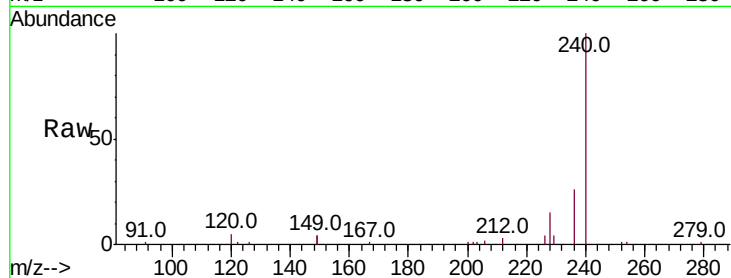
Tot Ion:240 Resp: 17815

Ion Ratio Lower Upper

240 100

120 4.9 4.7 7.1

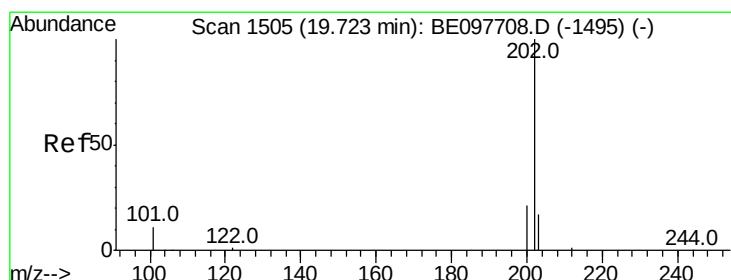
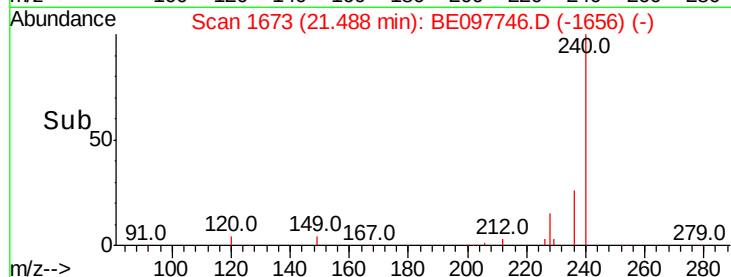
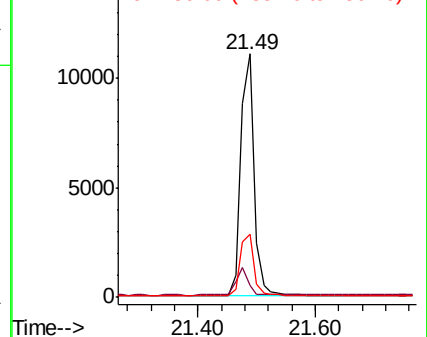
236 26.1 20.8 31.2



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: 0.453 ng

RT: 19.72 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

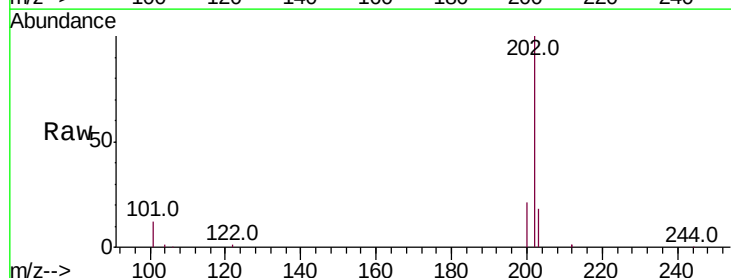
Tgt Ion:202 Resp: 20522

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

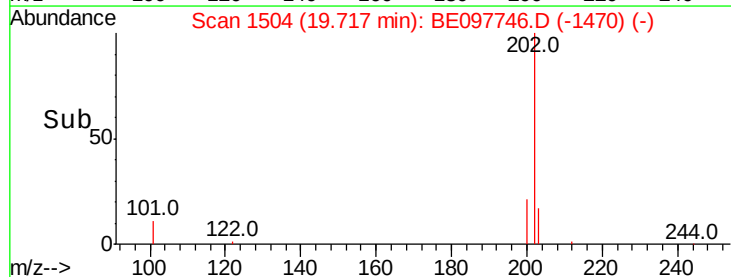
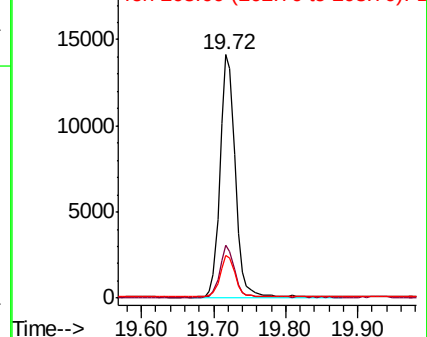
203 17.2 13.9 20.9

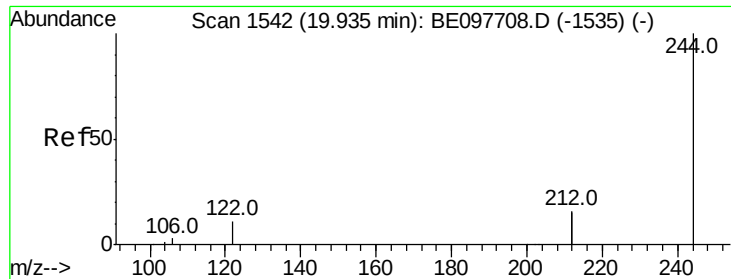


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.367 ng

RT: 19.93 min Scan# 1541

Delta R.T. -0.01 min

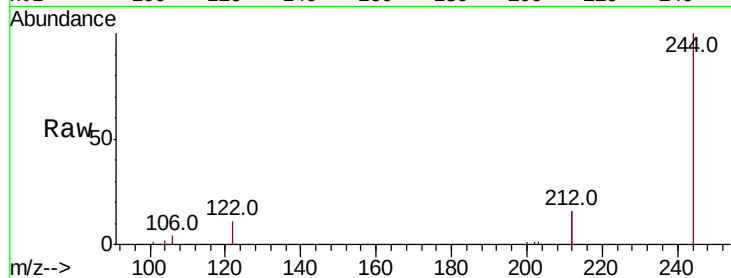
Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampled :



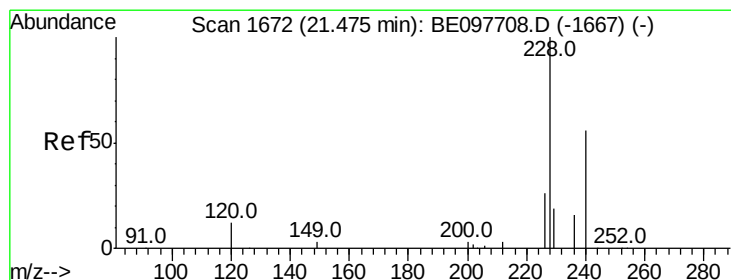
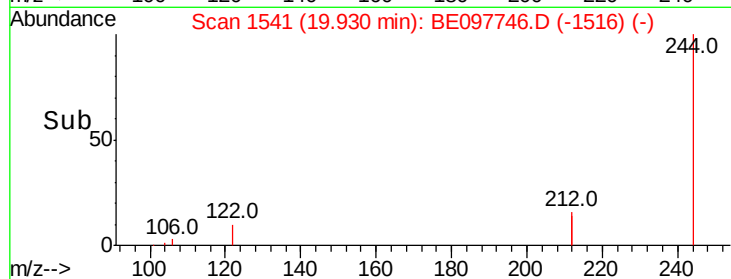
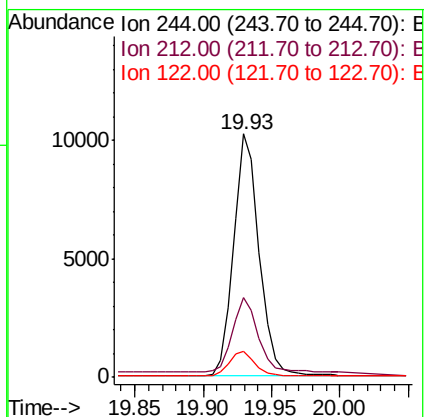
Tot Ion:244 Resp: 13345

Ion Ratio Lower Upper

244 100

212 32.8 25.8 38.8

122 10.5 8.7 13.1



#30

Benzo(a)anthracene

Concen: 0.437 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

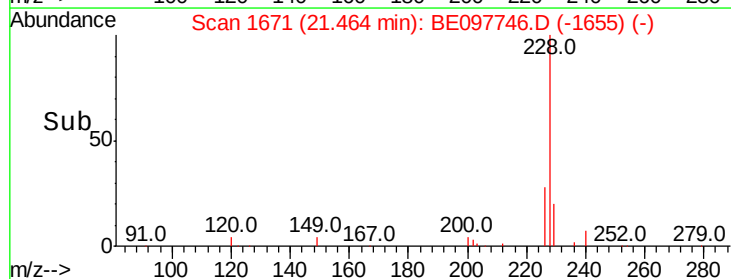
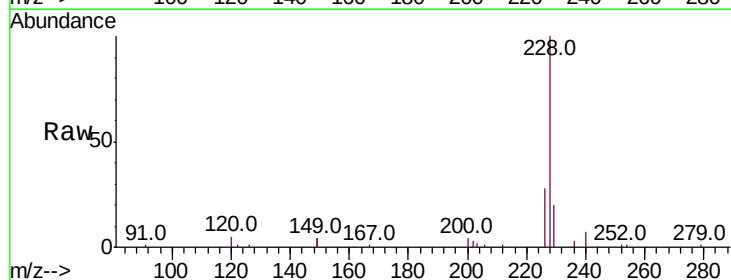
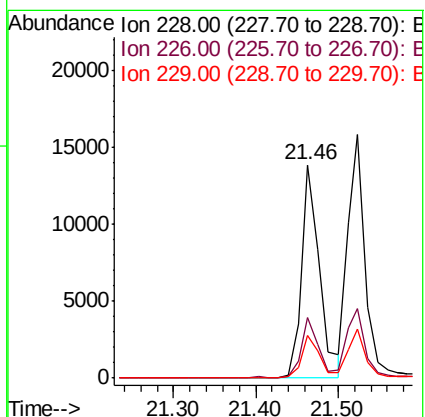
Tgt Ion:228 Resp: 20933

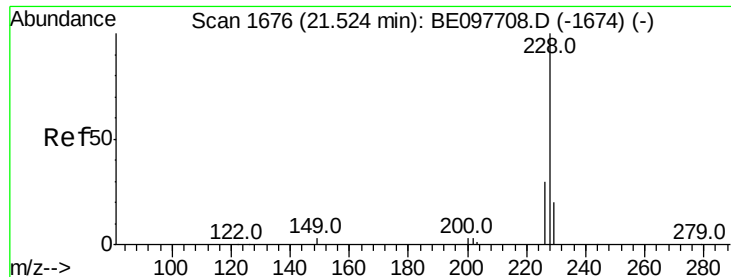
Ion Ratio Lower Upper

228 100

226 28.2 20.7 31.1

229 19.9 15.7 23.5





#31

Chrysene

Concen: 0.427 ng

RT: 21.52 min Scan# 1676

Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

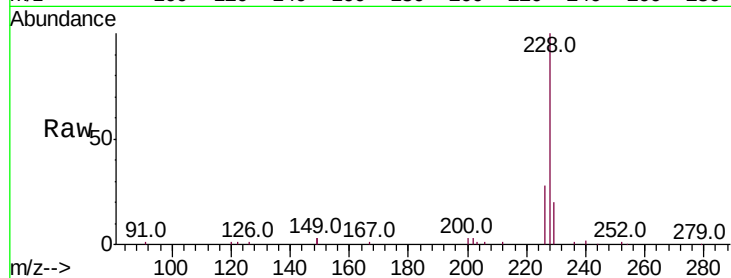
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 22845

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.3	36.5
229	20.2	16.0	24.0

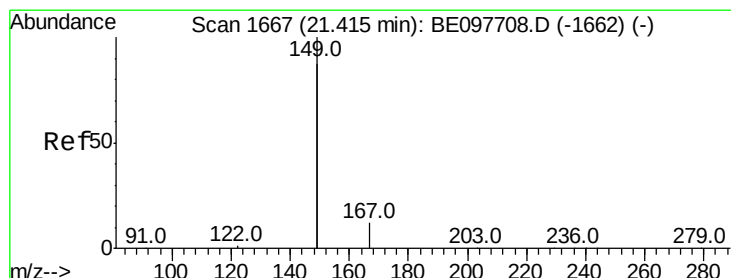
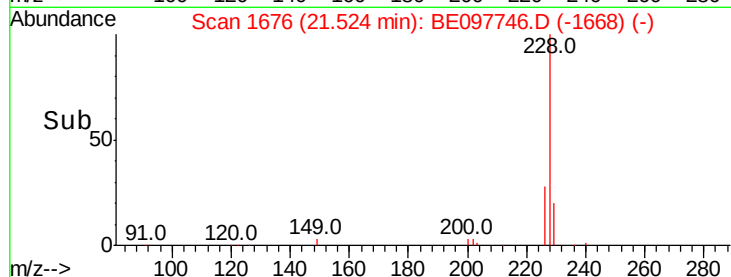
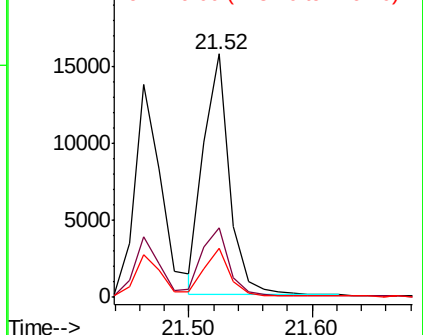


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.426 ng

RT: 21.42 min Scan# 1667

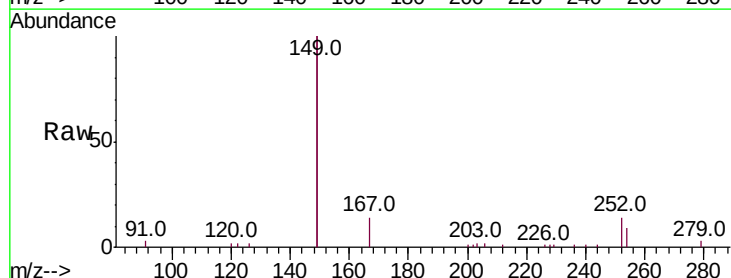
Delta R.T. 0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Tgt Ion:149 Resp: 14926

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.5	8.3
279	1.0	0.9	1.3

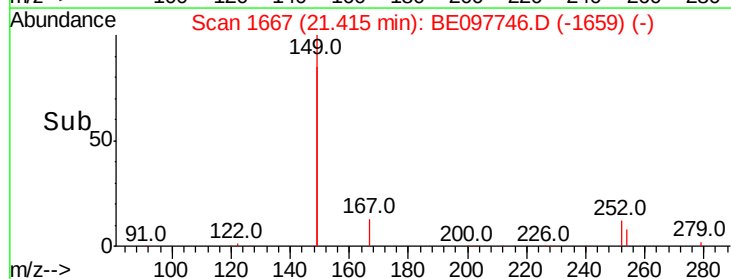
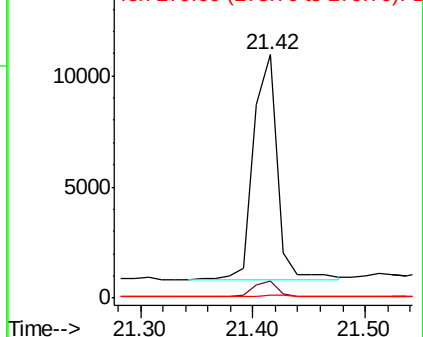


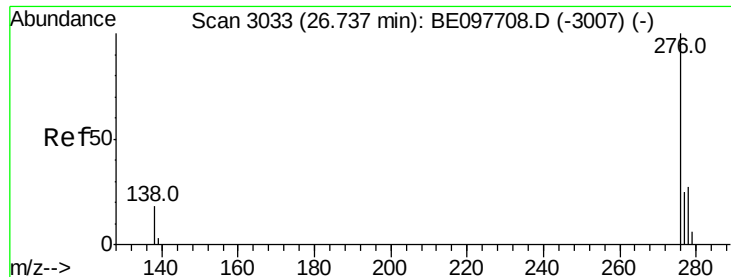
Abundance

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: 0.547 ng

RT: 26.73 min Scan# 3030

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

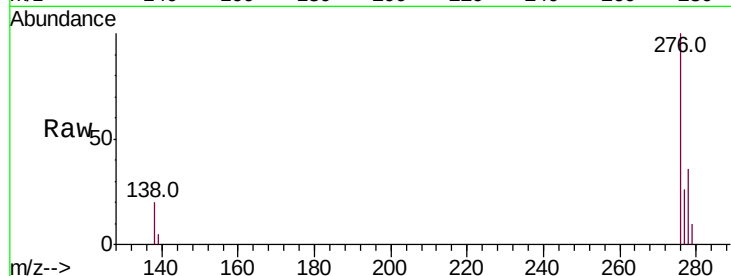
Tot Ion:276 Resp: 25444

Ion Ratio Lower Upper

276 100

138 9.8 15.0 22.6#

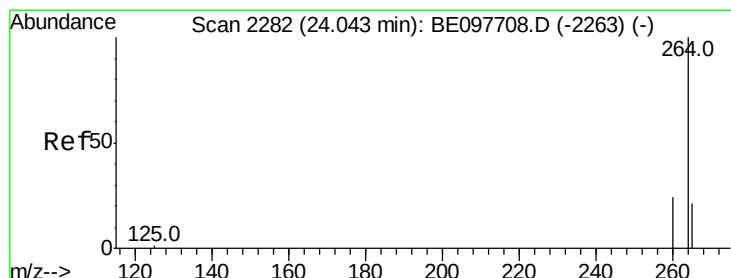
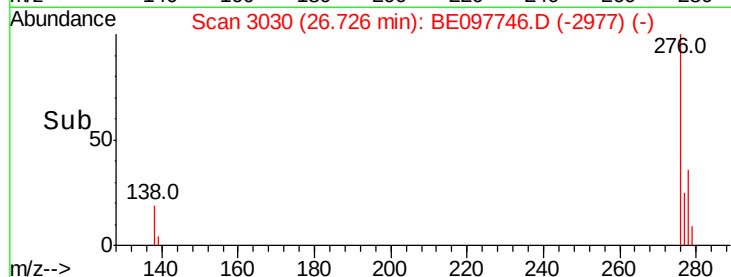
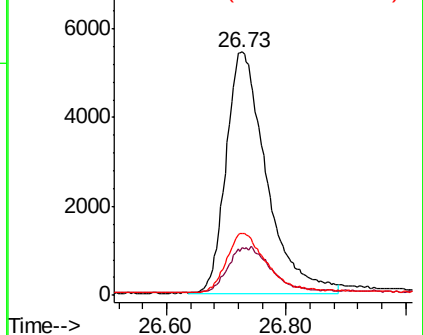
277 24.3 19.2 28.8



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: 24.04 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

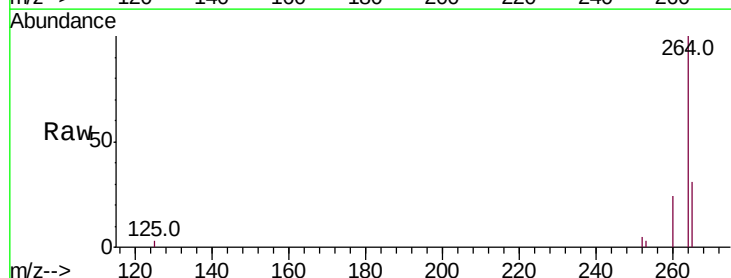
Tgt Ion:264 Resp: 17308

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

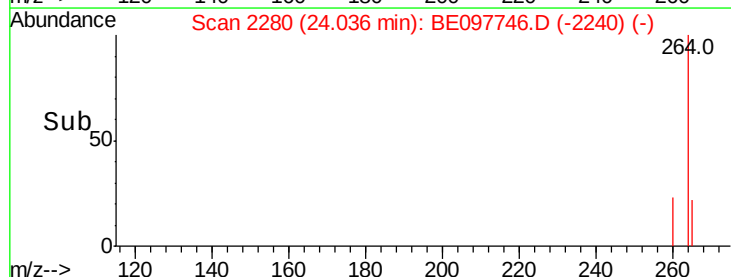
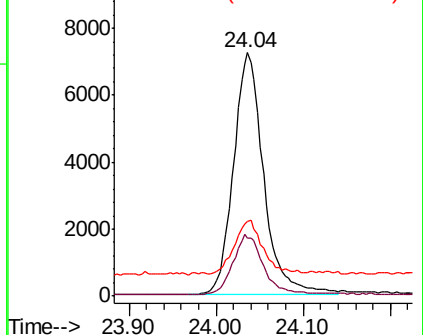
265 30.5 21.9 32.9

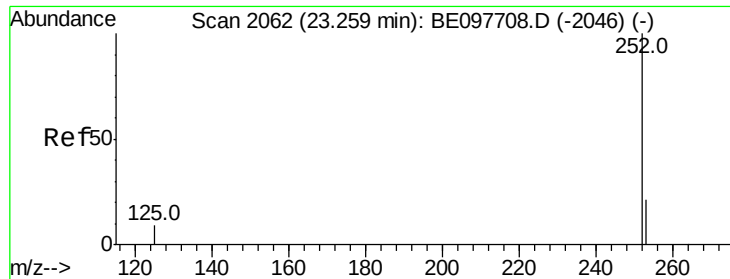


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.429 ng

RT: 23.26 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :

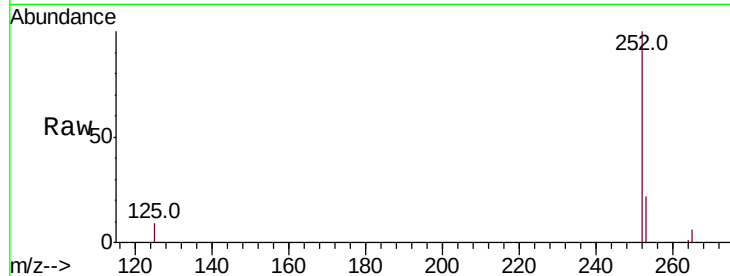
Tot Ion:252 Resp: 20388

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

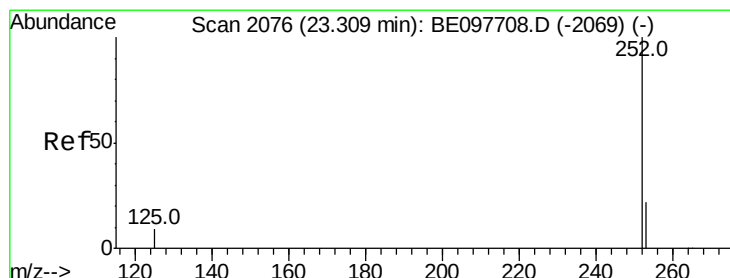
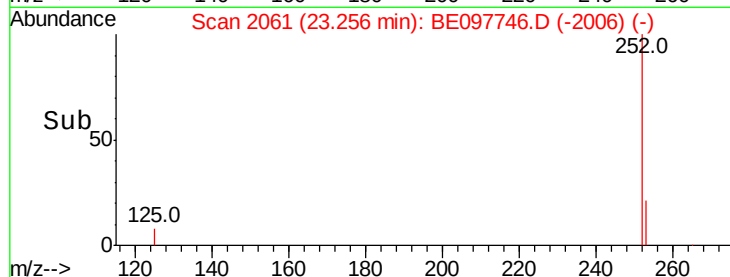
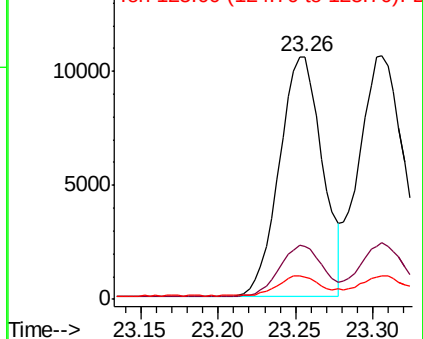
125 9.2 7.8 11.8



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: 0.408 ng

RT: 23.31 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

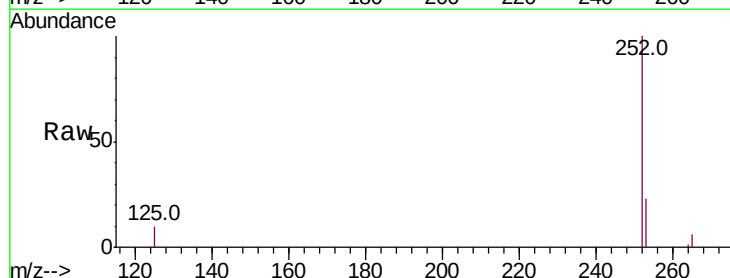
Tgt Ion:252 Resp: 21487

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

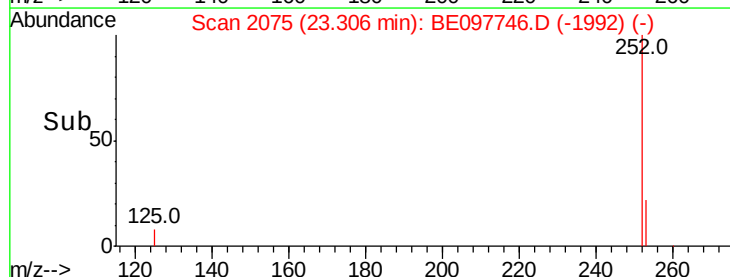
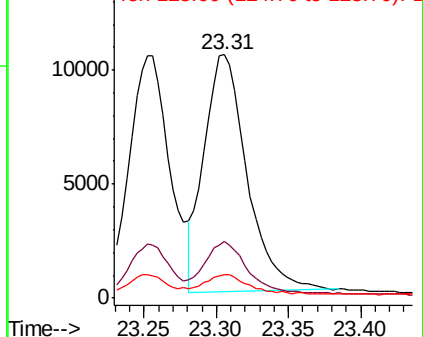
125 9.9 7.5 11.3

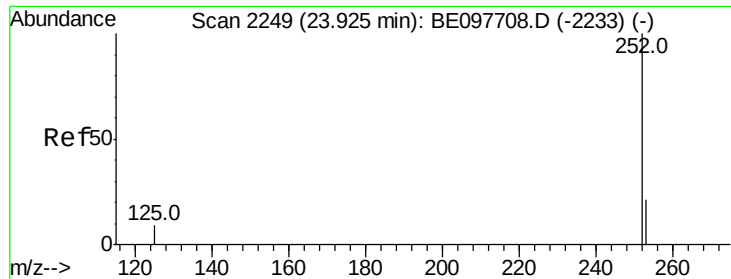


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.447 ng

RT: 23.92 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampled :

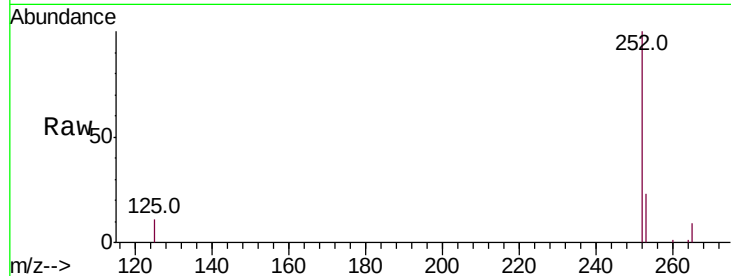
Tot Ion:252 Resp: 19213

Ion Ratio Lower Upper

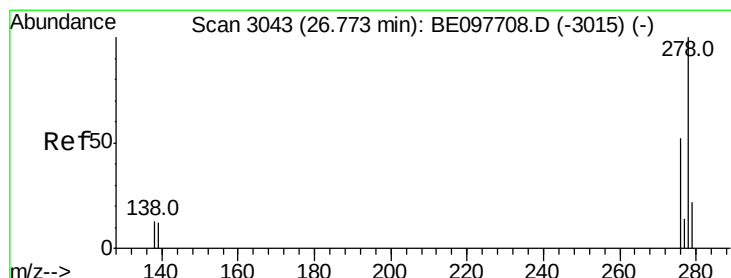
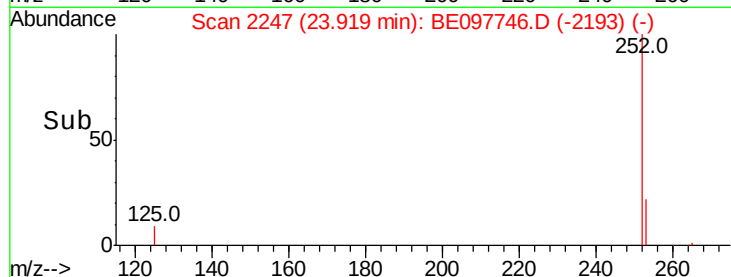
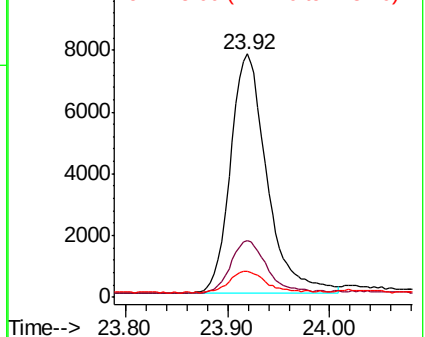
252 100

253 23.2 17.7 26.5

125 11.0 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: 0.504 ng

RT: 26.76 min Scan# 3040

Delta R.T. -0.01 min

Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

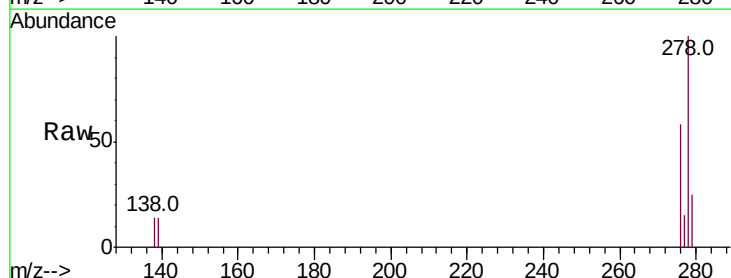
Tgt Ion:278 Resp: 21347

Ion Ratio Lower Upper

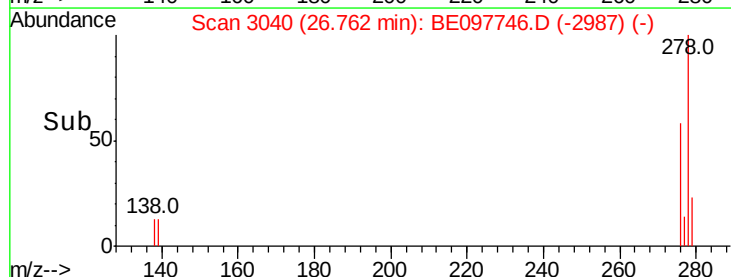
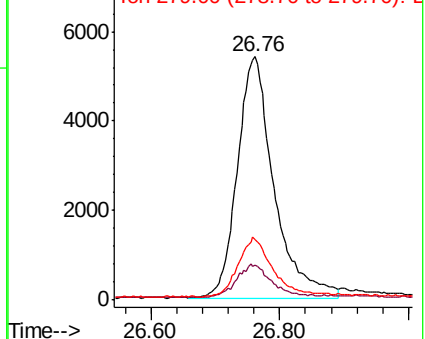
278 100

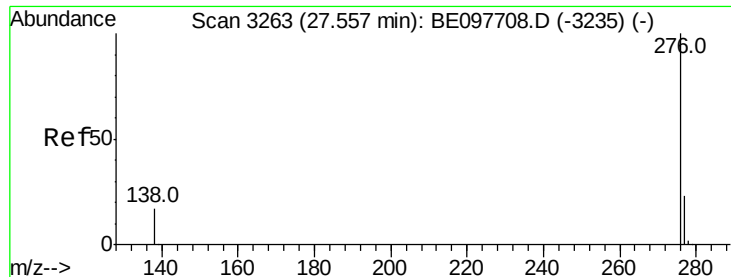
139 14.3 10.3 15.5

279 24.6 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: 0.538 ng

RT: 27.55 min Scan# 3261

Delta R.T. -0.01 min

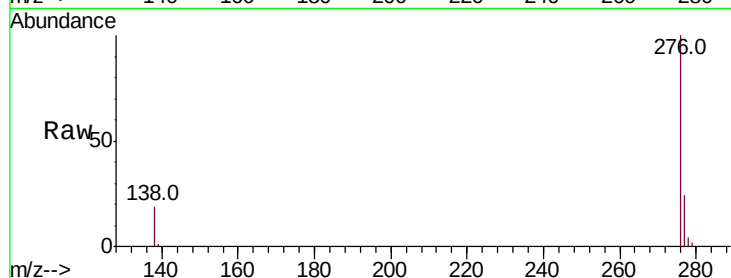
Lab File: BE097746.D

Acq: 5 Oct 2018 9:20

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 23833

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 18.8 14.2 21.2

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

