

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE081518\
 Data File : BE097281.D
 Acq On : 15 Aug 2018 16:29
 Operator : SJ/JU
 Sample : PB112028BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112028BSD

Quant Time: Aug 15 17:33:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE081518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 15 14:23:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	952	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	3967	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2064	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5732	0.40	ng	0.00
27) Chrysene-d12	20.98	240	5614	0.40	ng	0.00
34) Perylene-d12	23.22	264	4616	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1162	0.37	ng	0.00
5) Phenol-d6	6.61	99	1388	0.31	ng	0.00
8) Nitrobenzene-d5	8.52	82	1493	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	4127	0.72	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	254	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	3514	0.45	ng	0.00
25) Fluoranthene-d10	18.81	212	24412	0.43	ng	0.00
29) Terphenyl-d14	19.43	244	3998	0.38	ng	0.00

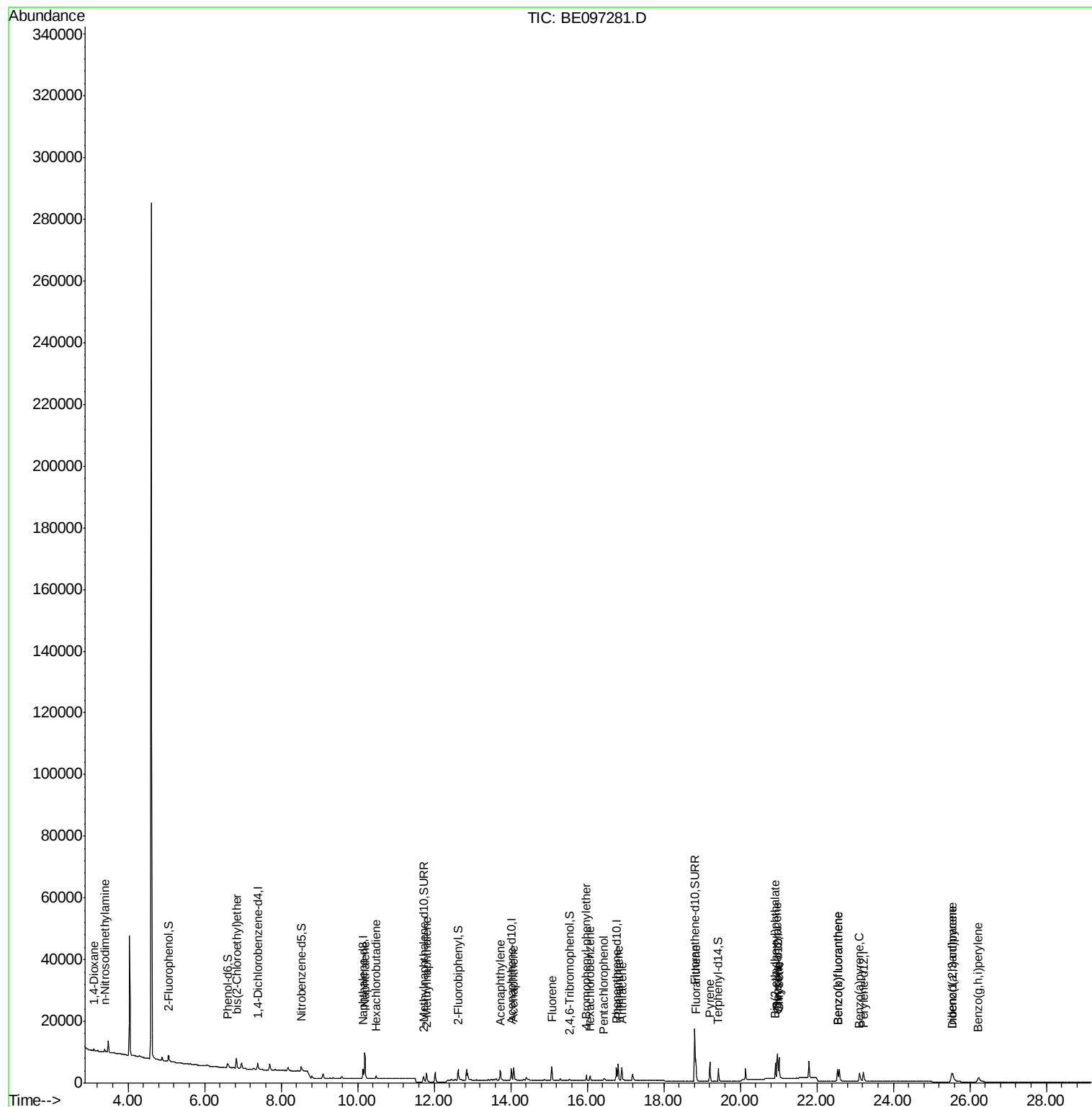
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	355	0.332	ng	97
3) n-Nitrosodimethylamine	3.38	42	534	0.430	ng	# 90
6) bis(2-Chloroethyl)ether	6.84	93	1215	0.341	ng	98
9) Naphthalene	10.18	128	14789	0.399	ng	99
10) Hexachlorobutadiene	10.48	225	655	0.391	ng	99
12) 2-Methylnaphthalene	11.80	142	2333	0.384	ng	97
16) Acenaphthylene	13.73	152	3749	0.393	ng	100
17) Acenaphthene	14.07	154	2182	0.398	ng	# 90
18) Fluorene	15.08	166	3068	0.451	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	993	0.332	ng	# 88
21) Hexachlorobenzene	16.08	284	1229	0.362	ng	# 82
22) Pentachlorophenol	16.44	266	516	0.764	ng	# 79
23) Phenanthrene	16.81	178	5664	0.409	ng	99
24) Anthracene	16.91	178	4945	0.399	ng	96
26) Fluoranthene	18.84	202	6557	0.428	ng	98
28) Pyrene	19.21	202	6054	0.400	ng	99
30) Benzo(a)anthracene	20.97	228	5710	0.404	ng	97
31) Chrysene	21.01	228	6215	0.430	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	5553	0.304	ng	98
33) Indeno(1,2,3-cd)pyrene	25.53	276	6248	0.401	ng	# 92
35) Benzo(b)fluoranthene	22.54	252	5428	0.473	ng	# 90
36) Benzo(k)fluoranthene	22.54	252	5428	0.389	ng	93
37) Benzo(a)pyrene	23.12	252	5079	0.441	ng	# 91
38) Dibenzo(a,h)anthracene	25.55	278	5059	0.445	ng	96
39) Benzo(g,h,i)perylene	26.22	276	5174	0.451	ng	# 89

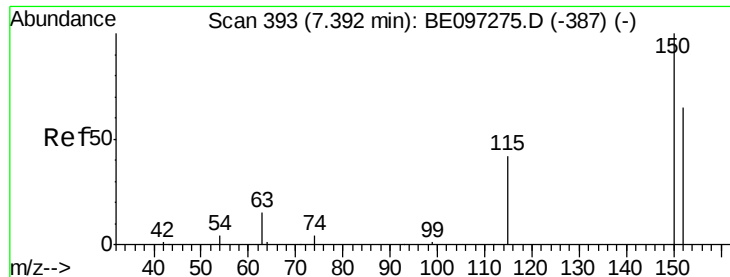
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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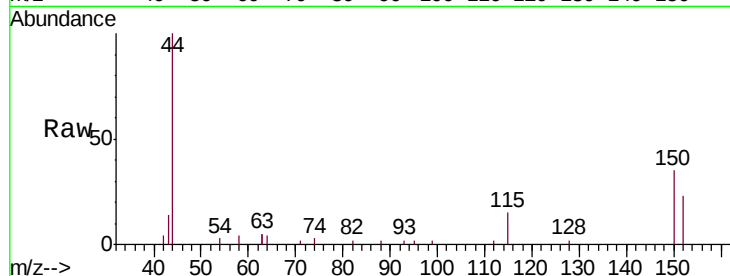


#1

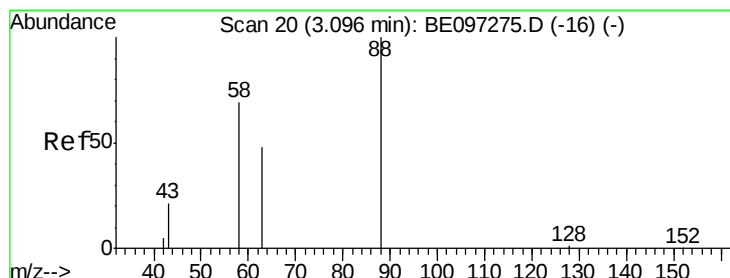
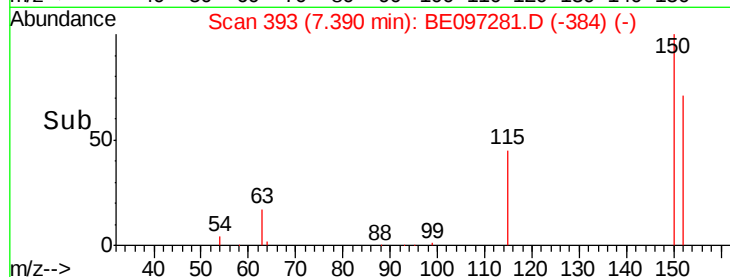
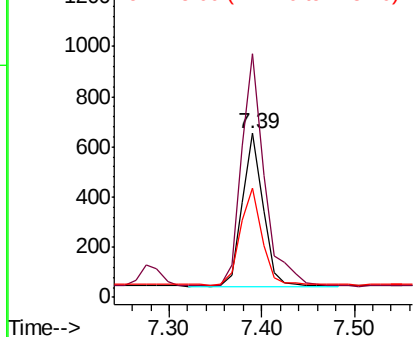
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097281.D
Acq: 15 Aug 2018 16:29

Instrument :
BNA_E
ClientSampleId :
PB112028BSD

Tgt Ion:152 Resp: 952
Ion Ratio Lower Upper
152 100
150 148.7 117.2 175.8
115 66.8 57.0 85.6



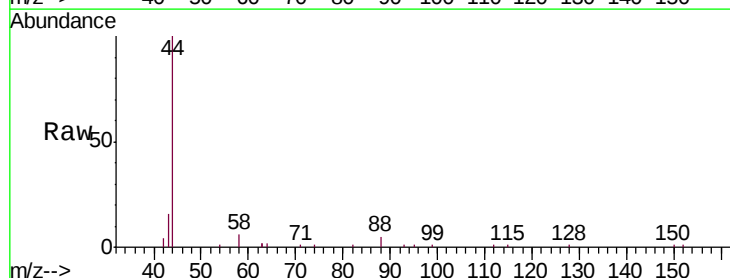
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



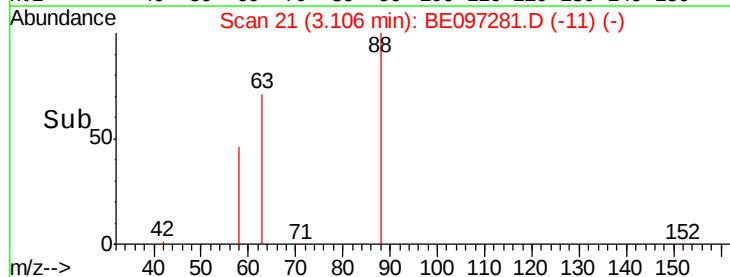
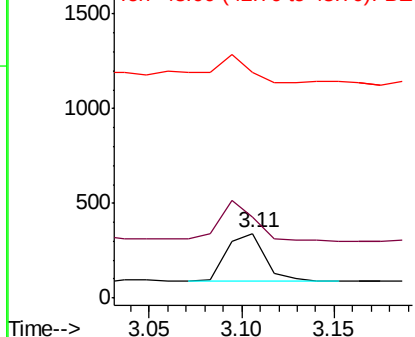
#2

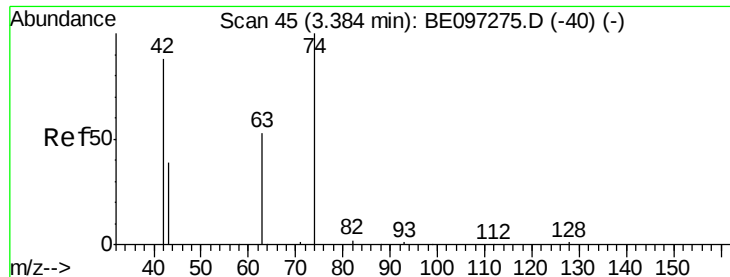
1,4-Dioxane
Concen: 0.332 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097281.D
Acq: 15 Aug 2018 16:29

Tgt Ion: 88 Resp: 355
Ion Ratio Lower Upper
88 100
58 82.0 63.2 94.8
43 50.4 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



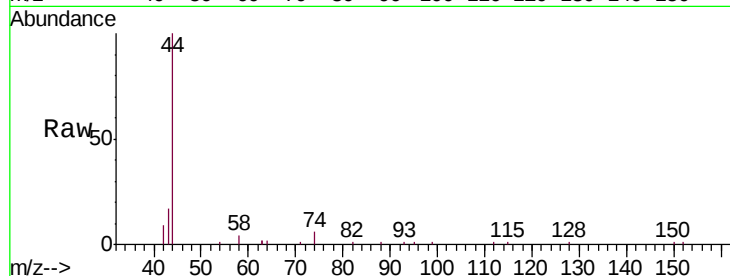


#3

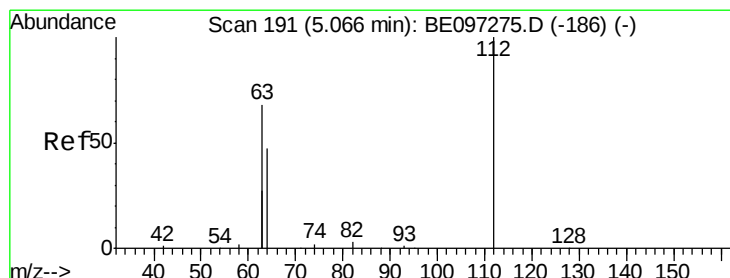
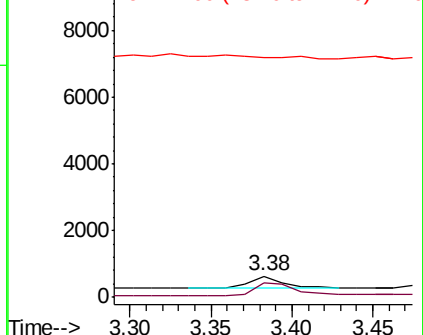
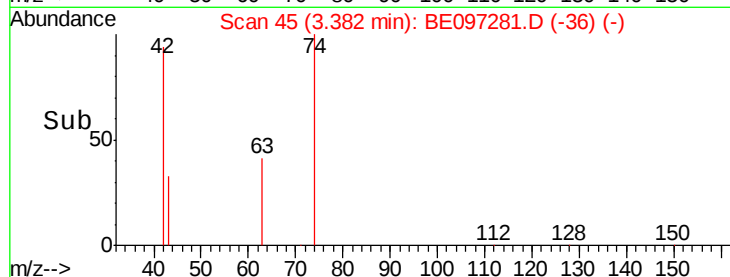
n-Nitrosodimethylamine
 Concen: 0.430 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097281.D
 Acq: 15 Aug 2018 16:29

Instrument :
 BNA_E
 ClientSampleId :
 PB112028BSD

Tgt Ion: 42 Resp: 534
 Ion Ratio Lower Upper
 42 100
 74 127.2 96.0 144.0
 44 0.0 12.0 18.0#



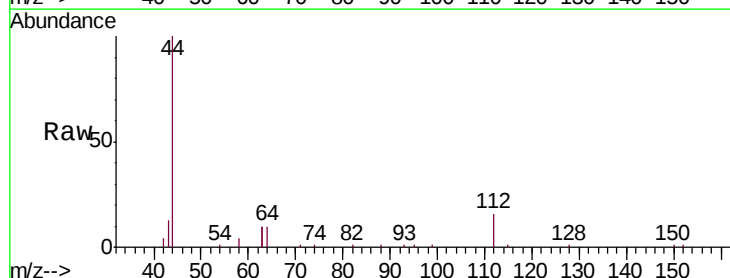
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



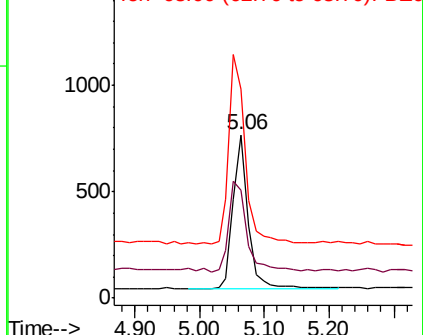
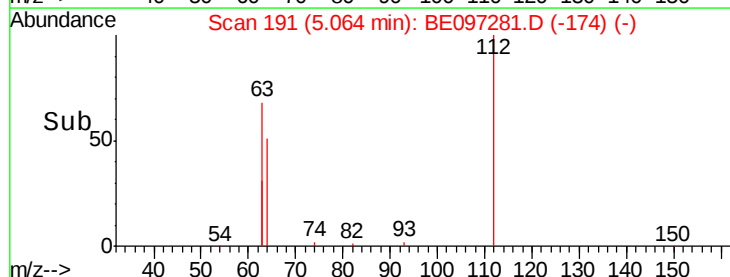
#4

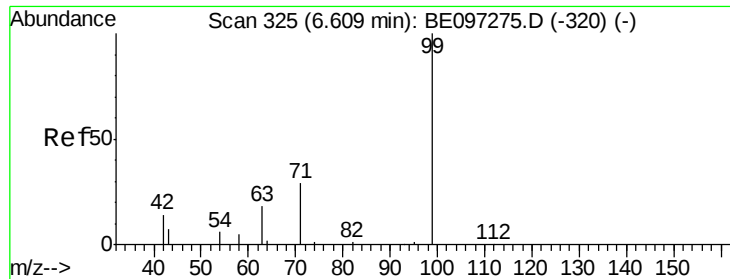
2-Fluorophenol
 Concen: 0.371 ng
 RT: 5.06 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: BE097281.D
 Acq: 15 Aug 2018 16:29

Tgt Ion: 112 Resp: 1162
 Ion Ratio Lower Upper
 112 100
 64 69.9 60.1 90.1
 63 131.0 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.310 ng

RT: 6.61 min Scan# 325

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

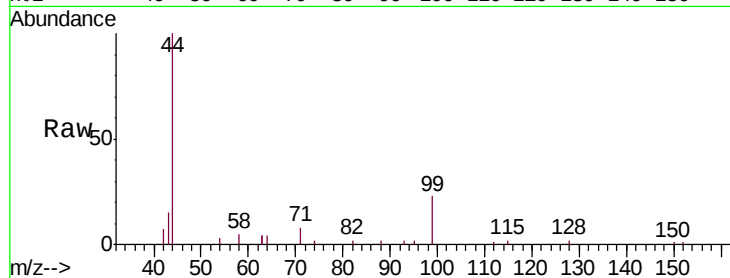
Tgt Ion: 99 Resp: 1388

Ion Ratio Lower Upper

99 100

42 20.7 20.2 30.2

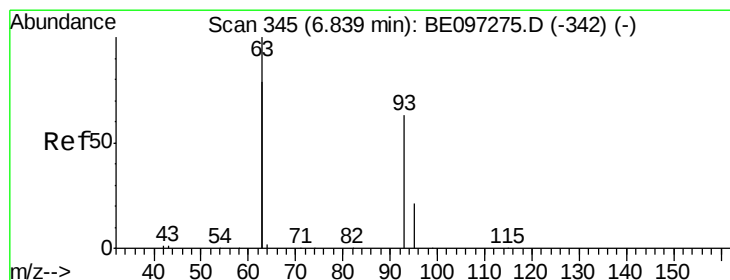
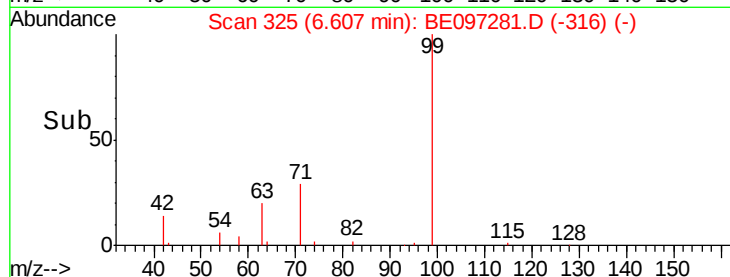
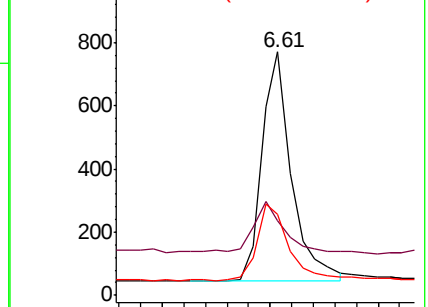
71 34.7 28.4 42.6



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: 0.341 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

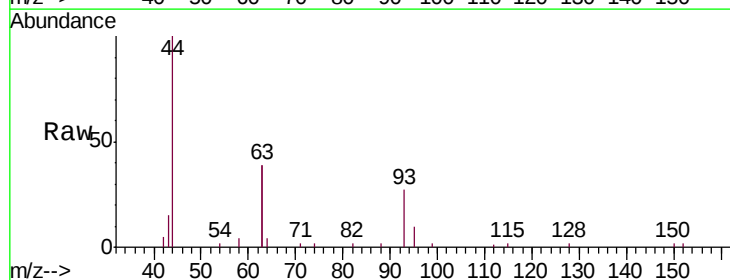
Tgt Ion: 93 Resp: 1215

Ion Ratio Lower Upper

93 100

63 339.1 275.3 412.9

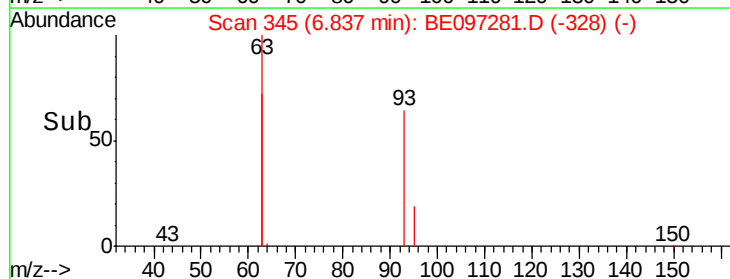
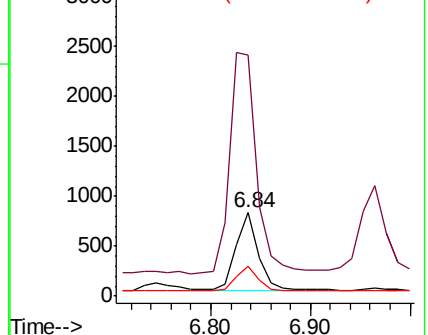
95 33.4 25.2 37.8

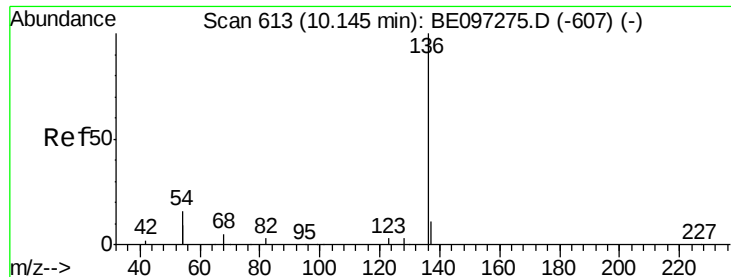


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

Tgt Ion:136 Resp: 3967

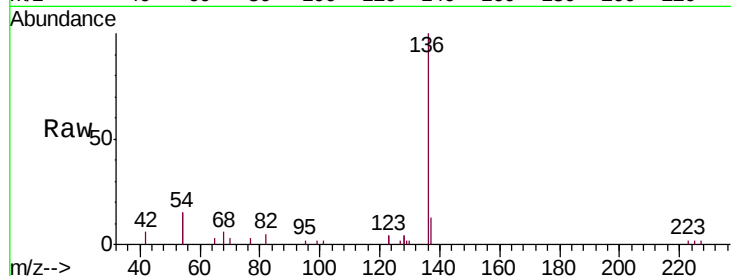
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 30.4 29.1 43.7

68 6.4 6.2 9.2

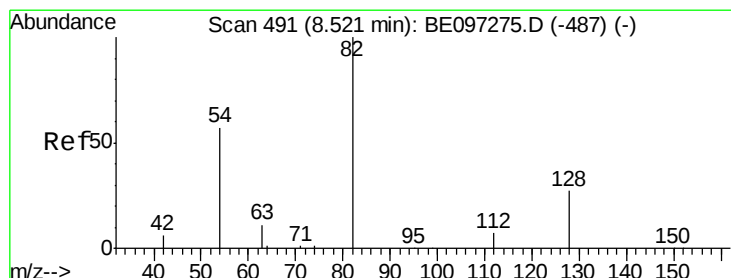
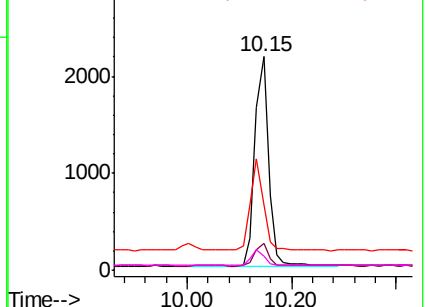
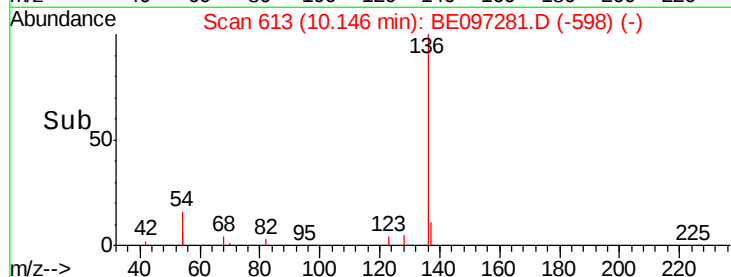


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.411 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

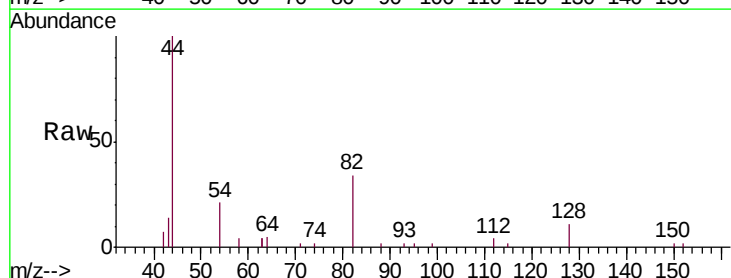
Tgt Ion: 82 Resp: 1493

Ion Ratio Lower Upper

82 100

128 31.0 24.0 36.0

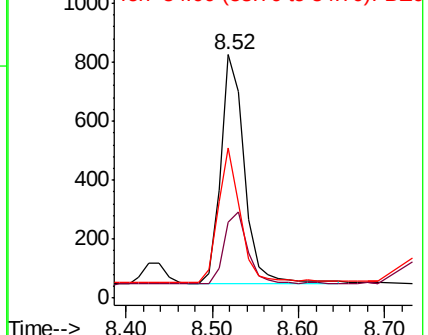
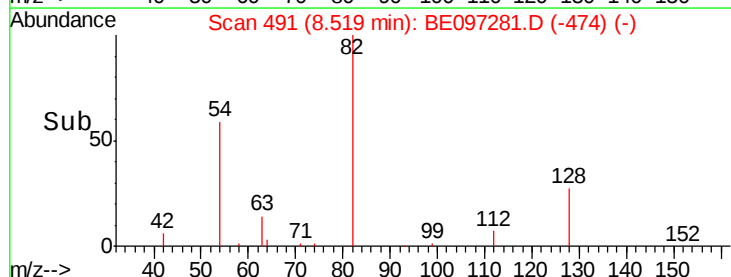
54 61.6 40.0 60.0#

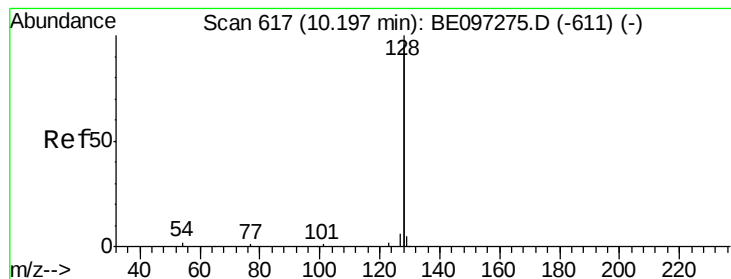


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.01 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

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ClientSampleId :

PB112028BSD

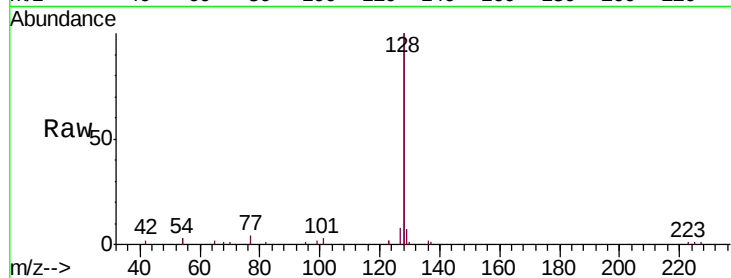
Tgt Ion:128 Resp: 14789

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

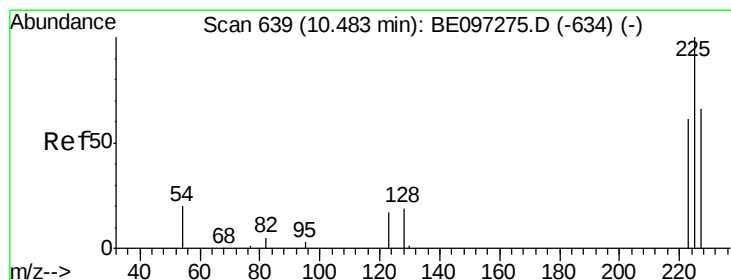
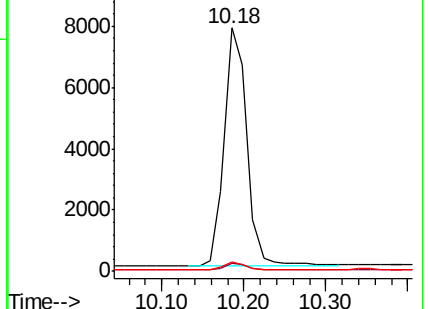
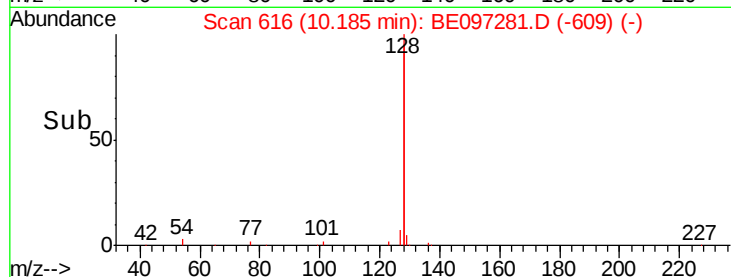
127 4.0 2.8 4.2



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: 0.391 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

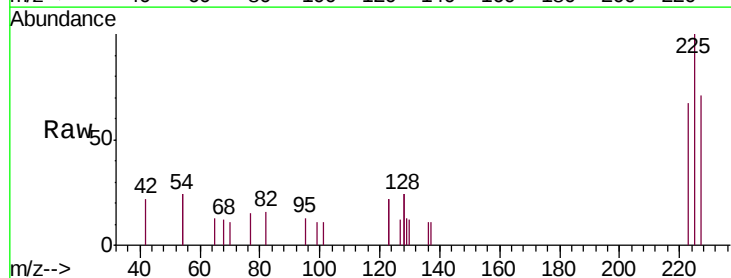
Tgt Ion:225 Resp: 655

Ion Ratio Lower Upper

225 100

223 64.9 53.0 79.6

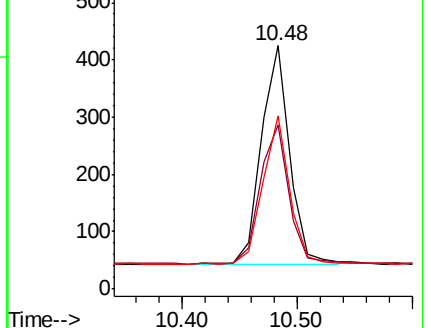
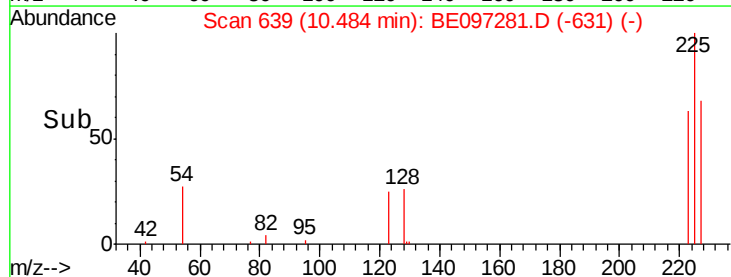
227 63.8 51.4 77.2

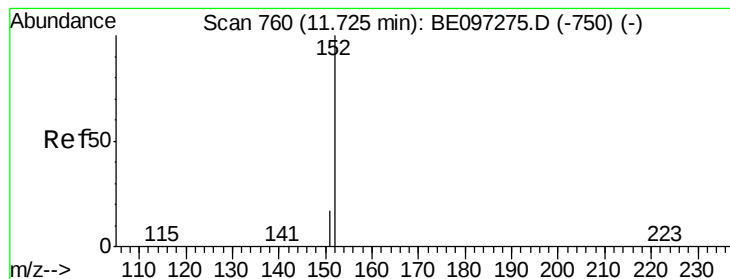


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.716 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

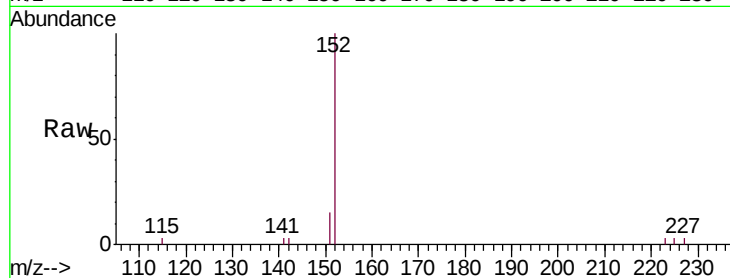
PB112028BSD

Tgt Ion:152 Resp: 4127

Ion Ratio Lower Upper

152 100

151 10.9 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

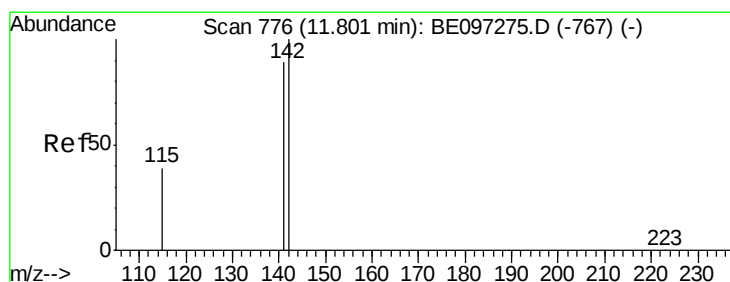
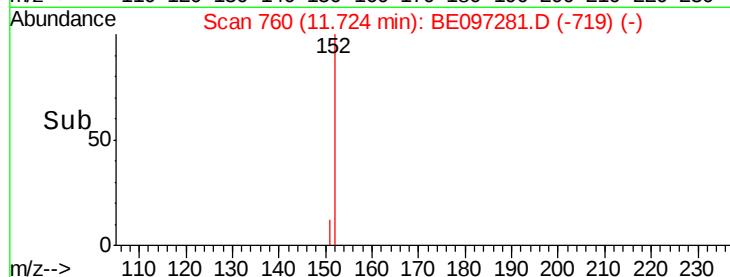
1000

500

0

Time-->

11.60 11.80



#12

2-Methylnaphthalene

Concen: 0.384 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

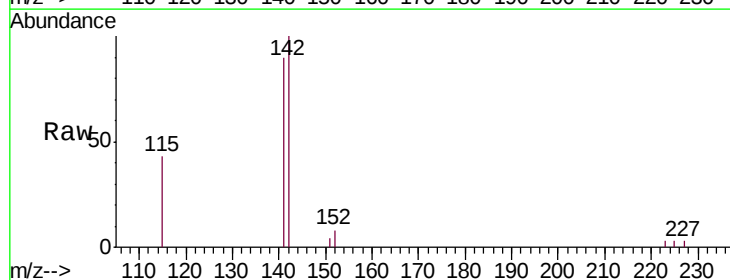
Tgt Ion:142 Resp: 2333

Ion Ratio Lower Upper

142 100

141 89.6 70.4 105.6

115 42.5 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.80

1500

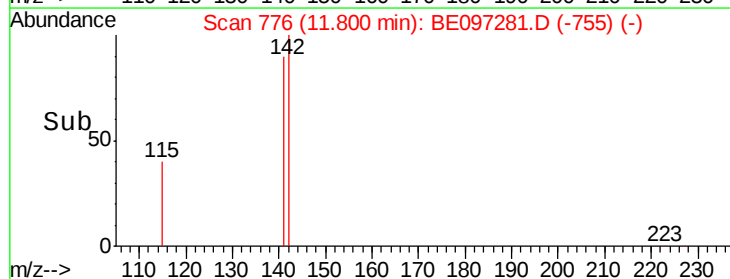
1000

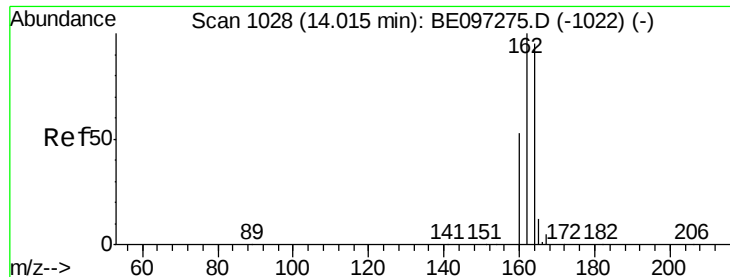
500

0

Time-->

11.70 11.80 11.90

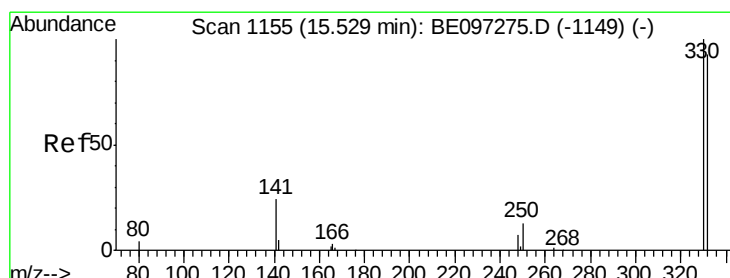
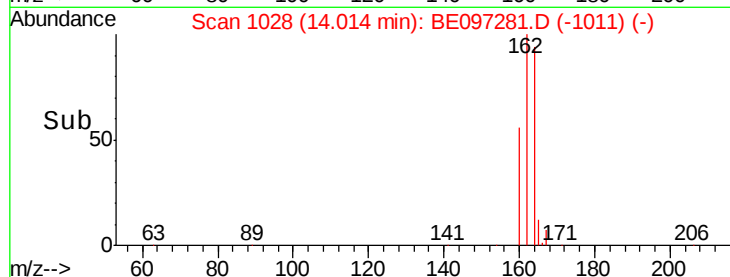
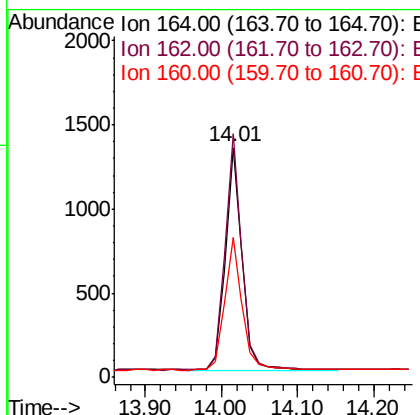
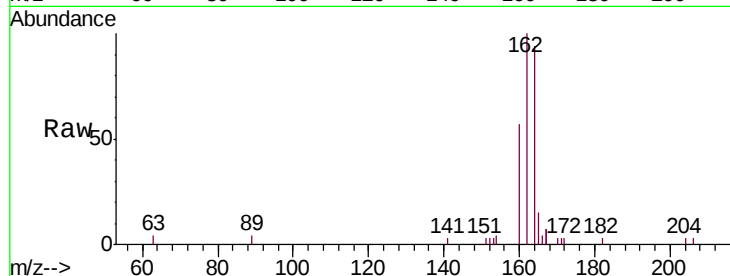




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE097281.D
 Acq: 15 Aug 2018 16:29

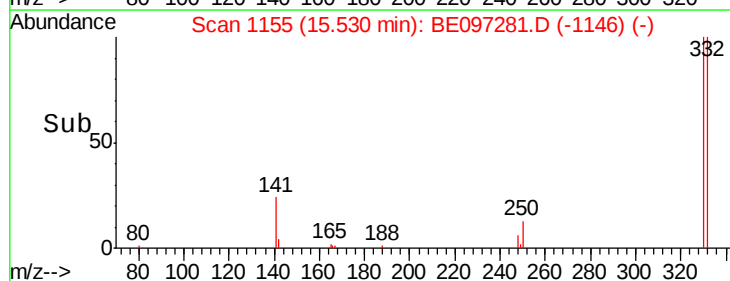
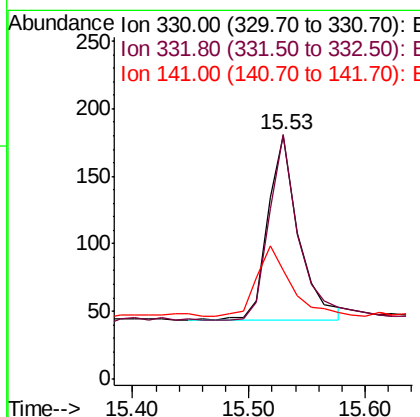
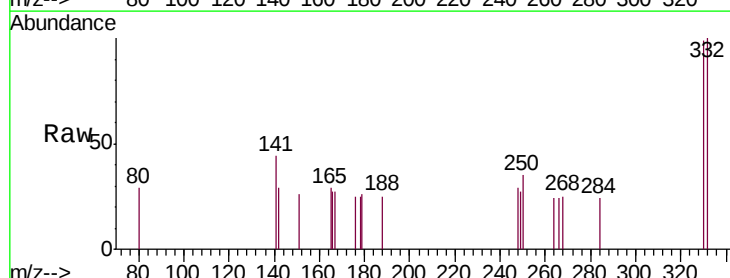
Instrument :
 BNA_E
 ClientSampleId :
 PB112028BSD

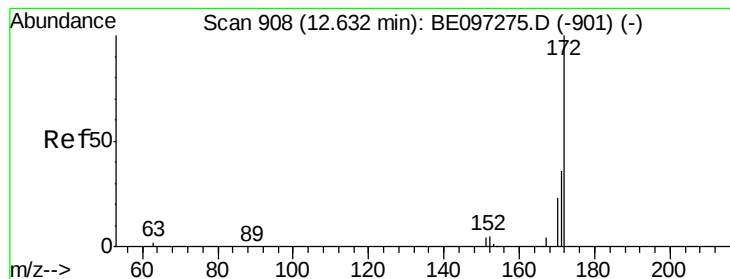
Tgt Ion:164 Resp: 2064
 Ion Ratio Lower Upper
 164 100
 162 105.9 83.1 124.7
 160 60.9 37.1 55.7#



#14
 2,4,6-Tribromophenol
 Concen: 0.408 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE097281.D
 Acq: 15 Aug 2018 16:29

Tgt Ion:330 Resp: 254
 Ion Ratio Lower Upper
 330 100
 332 96.9 152.7 229.1#
 141 41.7 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.453 ng

RT: 12.63 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

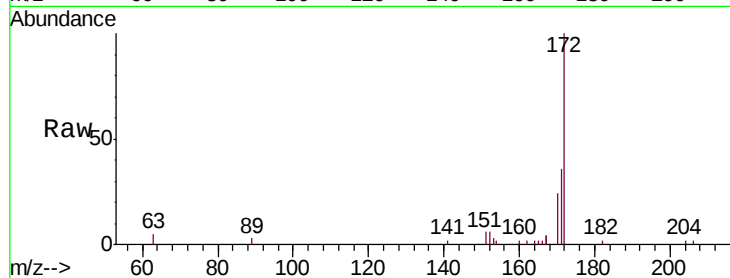
Tgt Ion:172 Resp: 3514

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

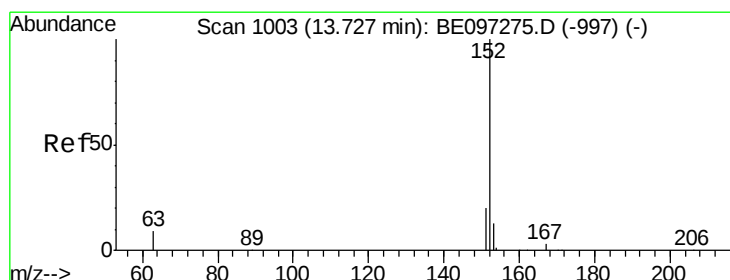
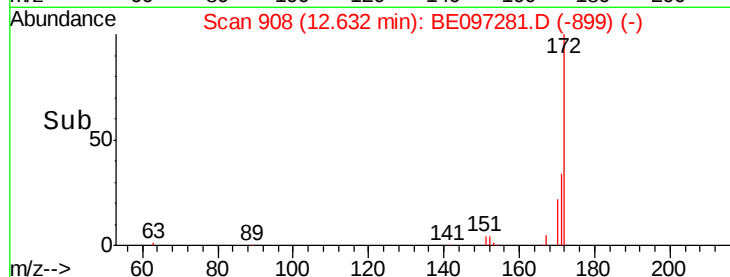
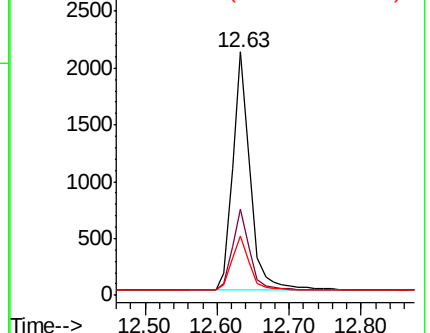
170 24.1 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.393 ng

RT: 13.73 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

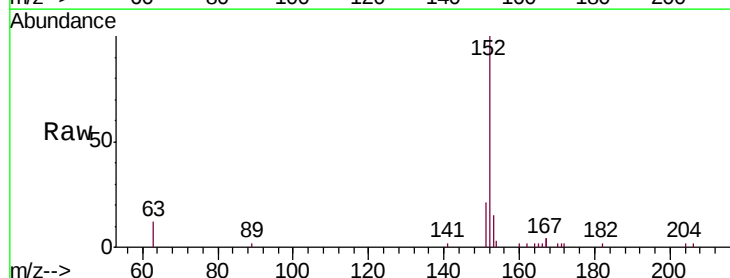
Tgt Ion:152 Resp: 3749

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

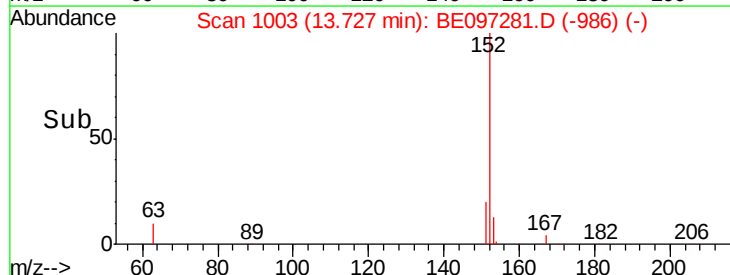
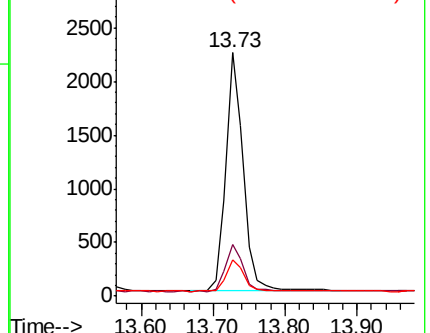
153 13.2 10.5 15.7

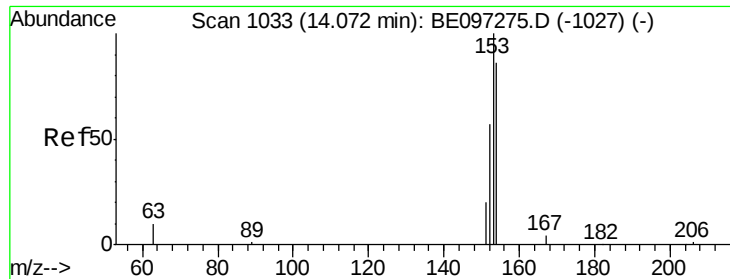


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.398 ng

RT: 14.07 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

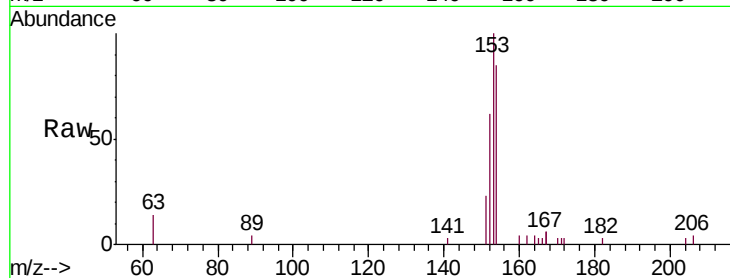
Tgt Ion:154 Resp: 2182

Ion Ratio Lower Upper

154 100

153 115.7 89.2 133.8

152 68.2 42.0 63.0#

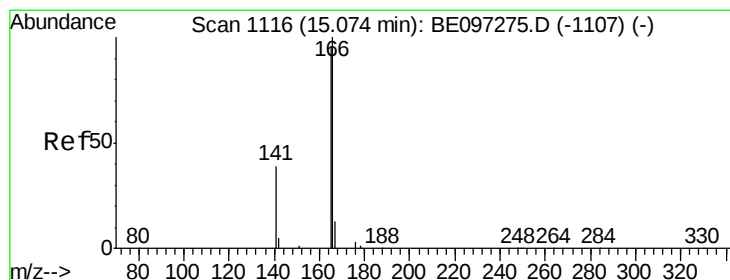
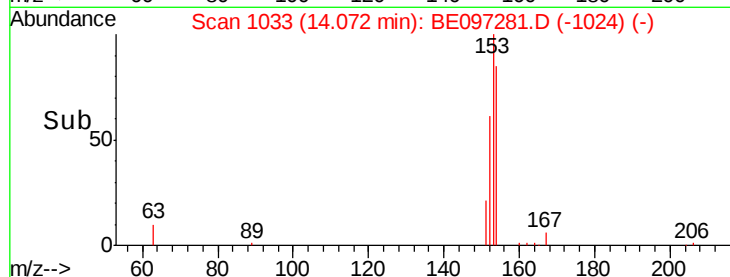
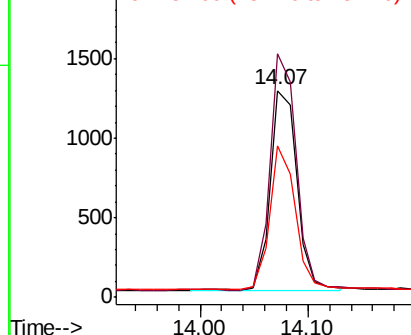


Abundance

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: 0.451 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

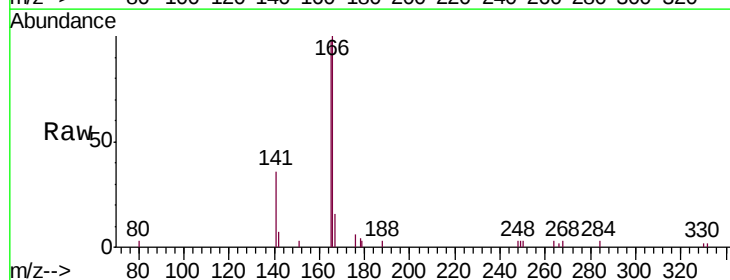
Tgt Ion:166 Resp: 3068

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

167 13.1 42.4 63.6#

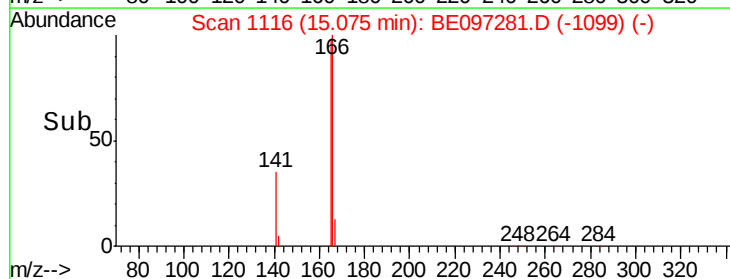
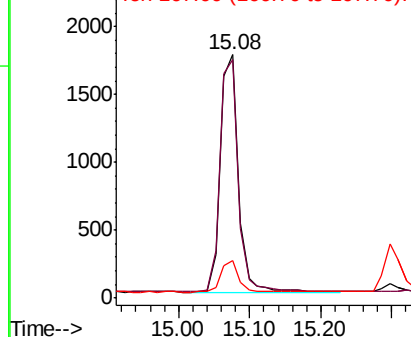


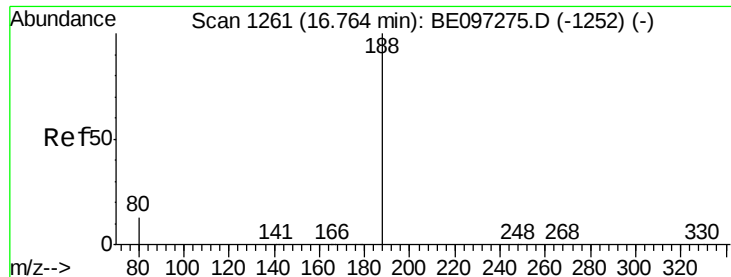
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

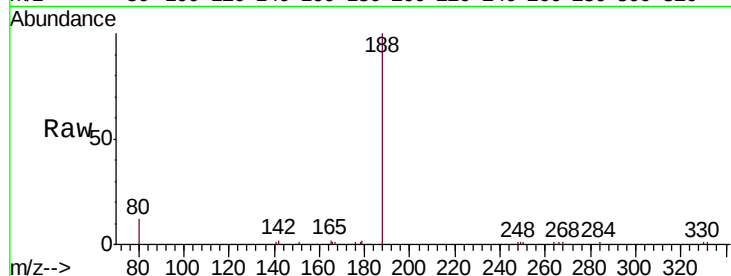
Tgt Ion:188 Resp: 5732

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

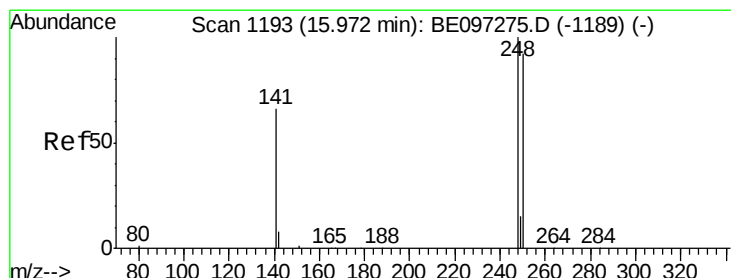
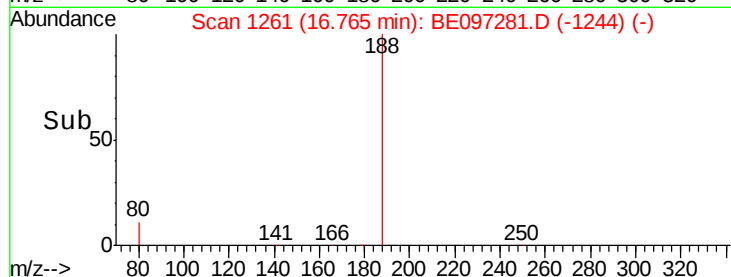
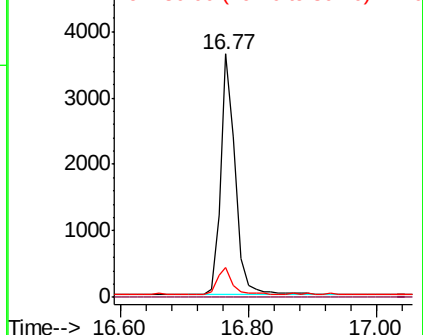
80 12.4 3.6 5.4#



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: 0.332 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

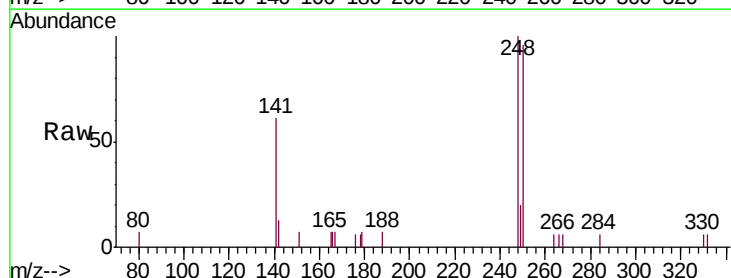
Tgt Ion:248 Resp: 993

Ion Ratio Lower Upper

248 100

250 95.6 62.7 94.1#

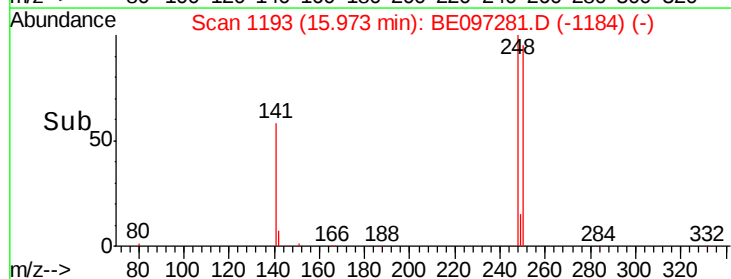
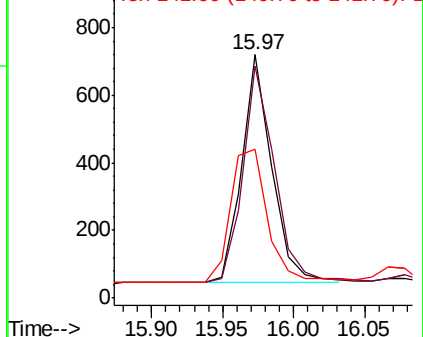
141 61.0 48.2 72.2

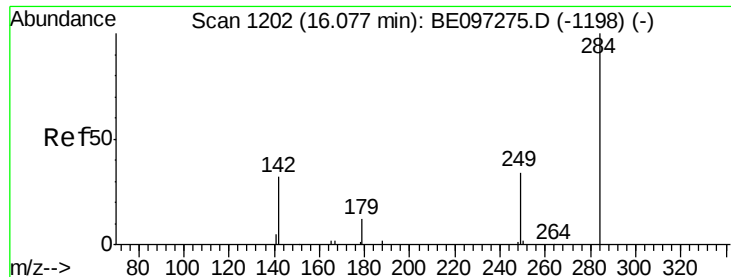


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

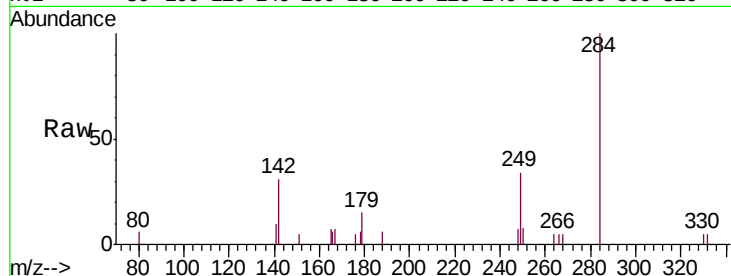




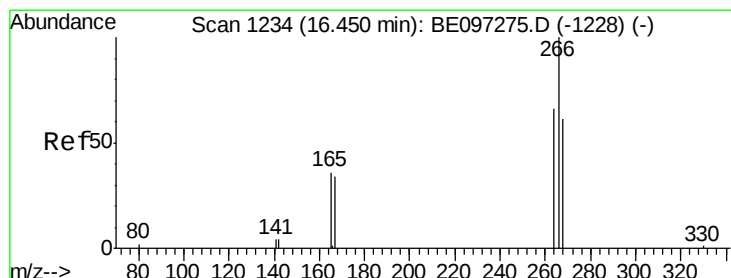
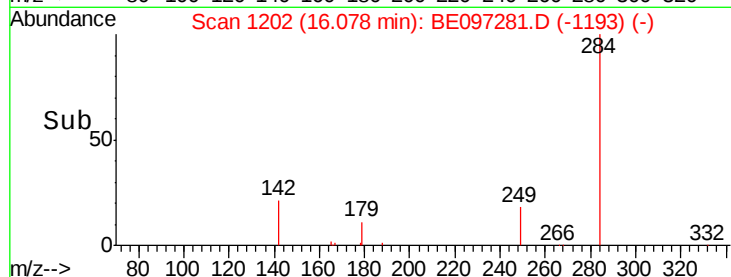
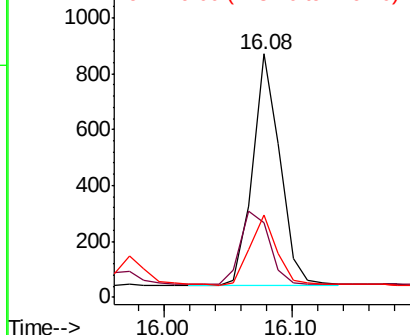
#21
Hexachlorobenzene
Concen: 0.362 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097281.D
Acq: 15 Aug 2018 16:29

Instrument :
BNA_E
ClientSampleId :
PB112028BSD

Tgt Ion: 284 Resp: 1229
Ion Ratio Lower Upper
284 100
142 33.8 22.1 33.1#
249 29.9 34.8 52.2#

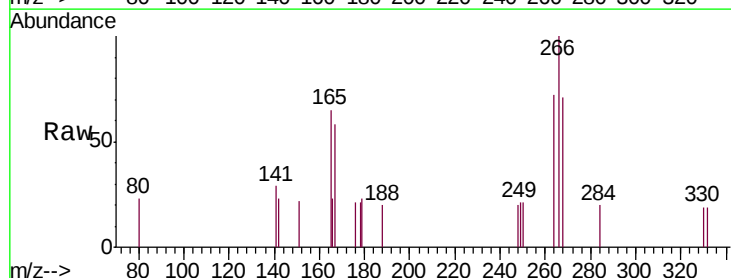


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

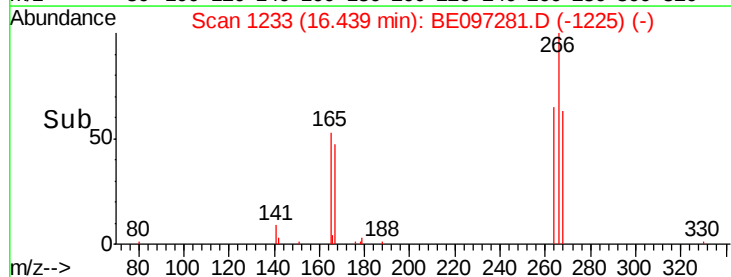
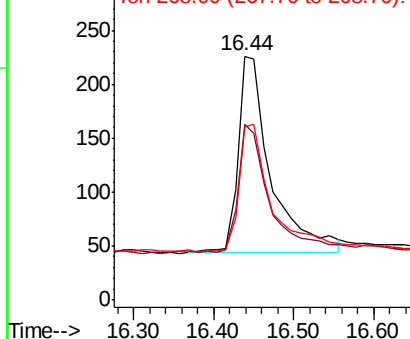


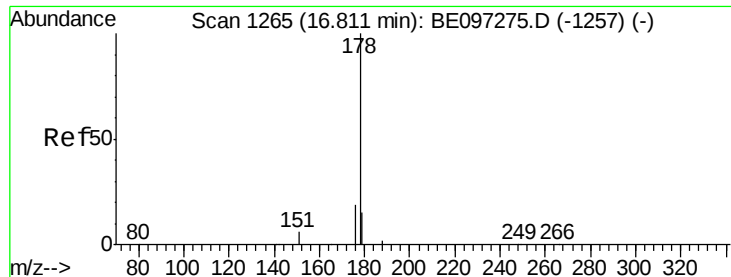
#22
Pentachlorophenol
Concen: 0.764 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BE097281.D
Acq: 15 Aug 2018 16:29

Tgt Ion: 266 Resp: 516
Ion Ratio Lower Upper
266 100
264 72.1 72.5 108.7#
268 70.8 73.8 110.6#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E

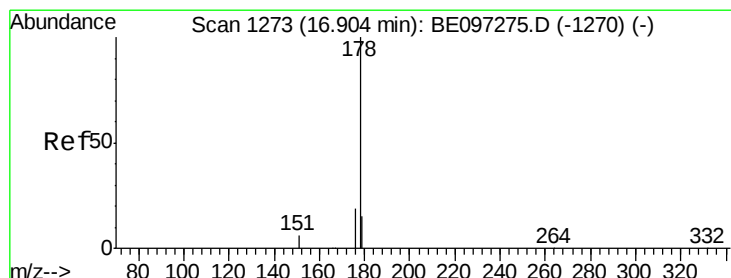
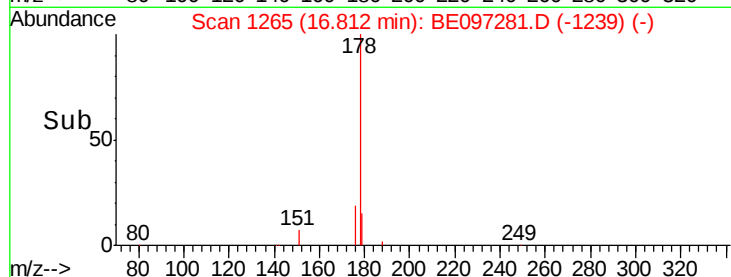
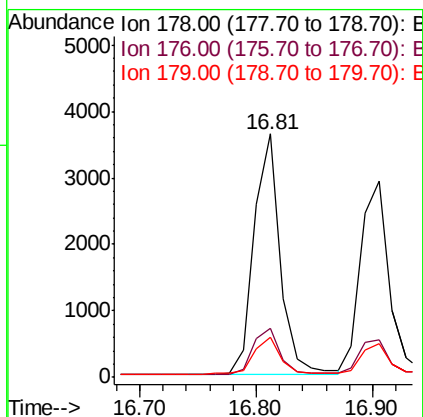
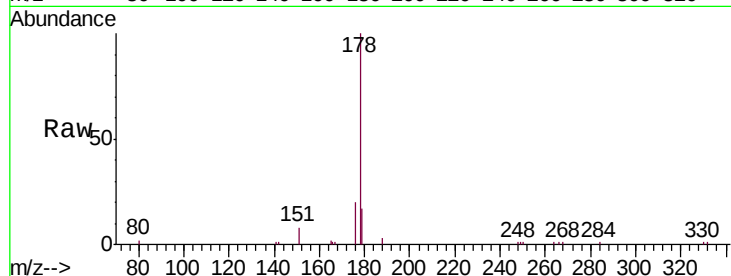




#23
Phenanthrene
Concen: 0.409 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097281.D
Acq: 15 Aug 2018 16:29

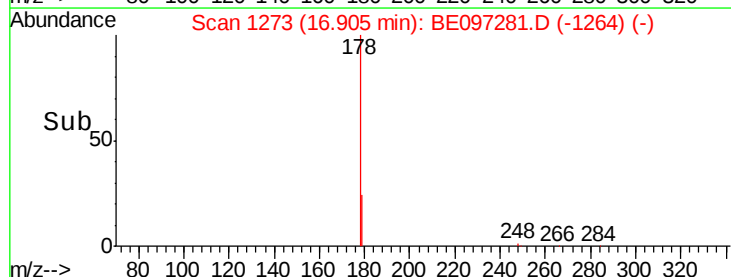
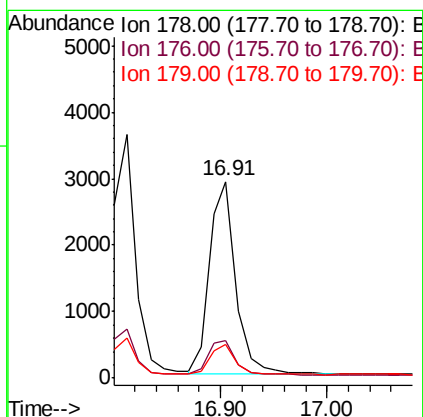
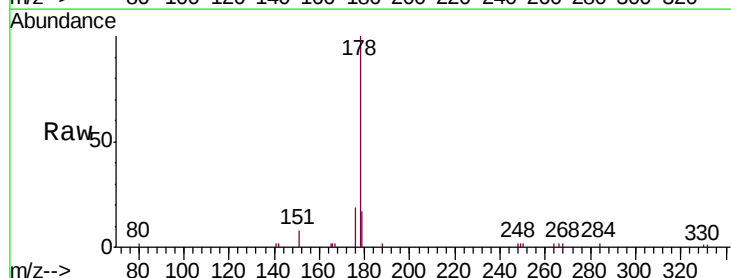
Instrument :
BNA_E
ClientSampleId :
PB112028BSD

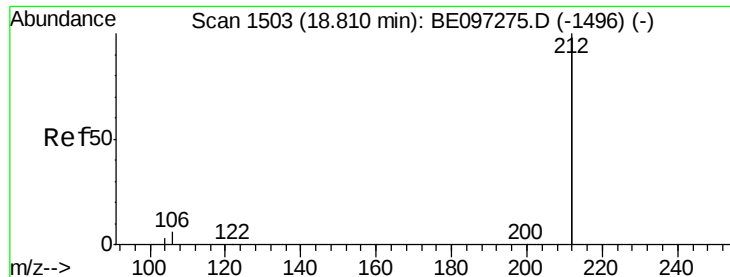
Tgt Ion:178 Resp: 5664
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.2 11.8 17.6



#24
Anthracene
Concen: 0.399 ng
RT: 16.91 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097281.D
Acq: 15 Aug 2018 16:29

Tgt Ion:178 Resp: 4945
Ion Ratio Lower Upper
178 100
176 18.8 12.8 19.2
179 15.8 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.426 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

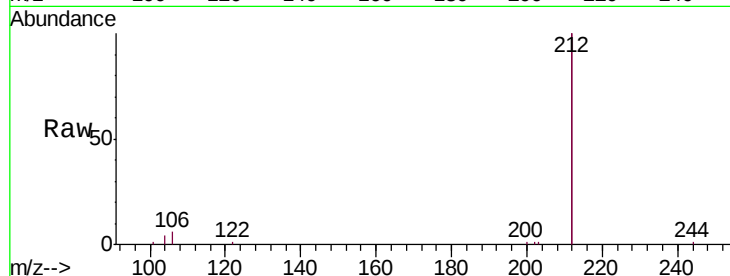
Tgt Ion:212 Resp: 24412

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

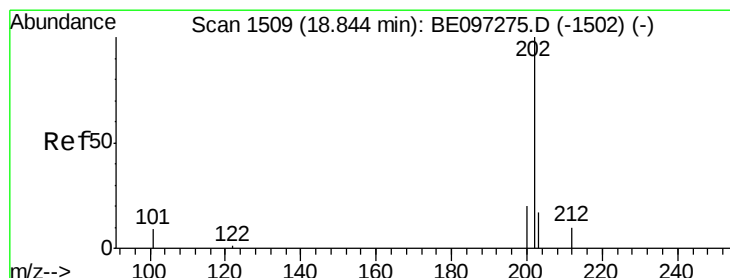
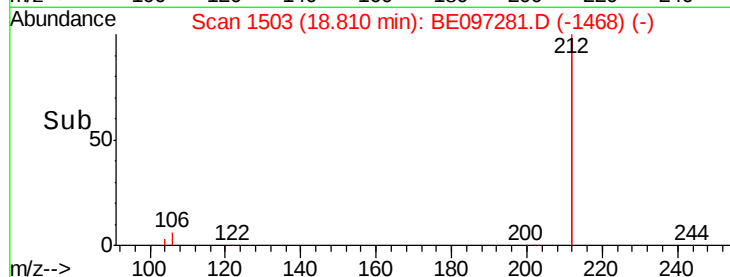
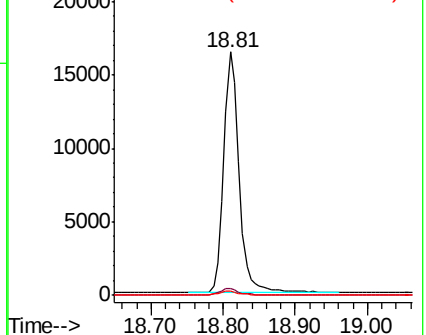
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.428 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

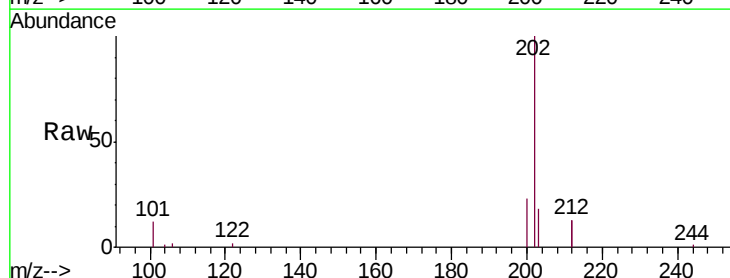
Tgt Ion:202 Resp: 6557

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

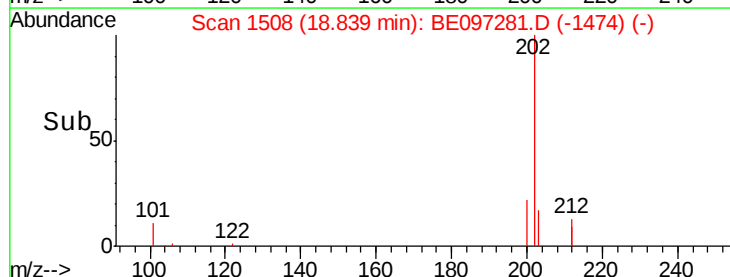
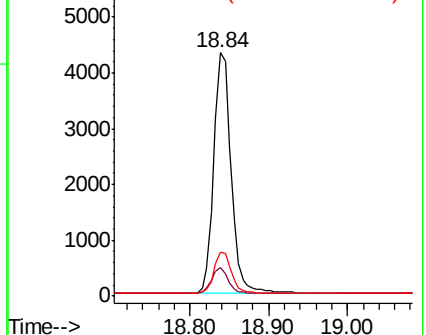
203 17.0 13.7 20.5

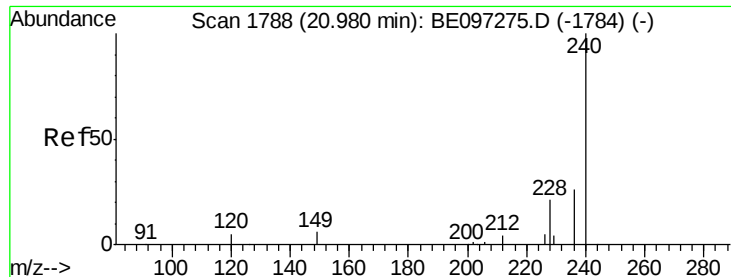


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

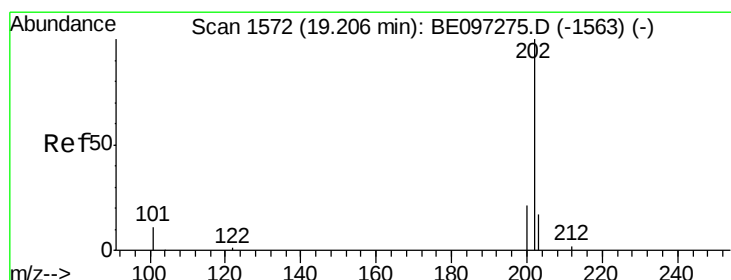
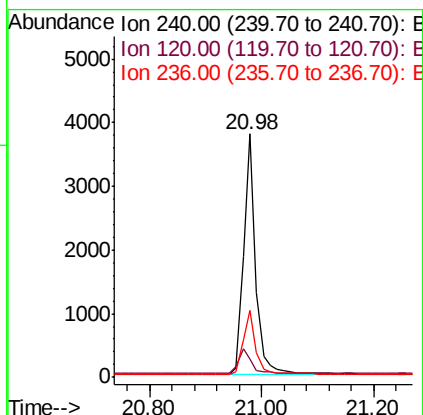
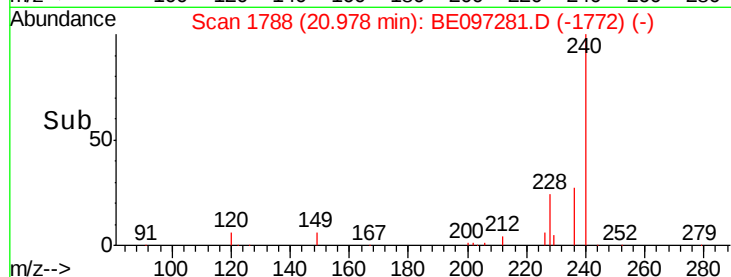
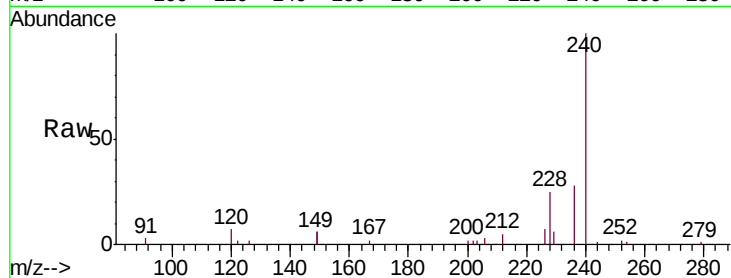
Tgt Ion:240 Resp: 5614

Ion Ratio Lower Upper

240 100

120 7.3 5.5 8.3

236 27.7 20.7 31.1



#28

Pyrene

Concen: 0.400 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

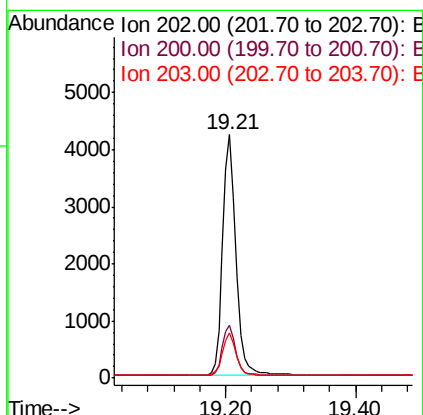
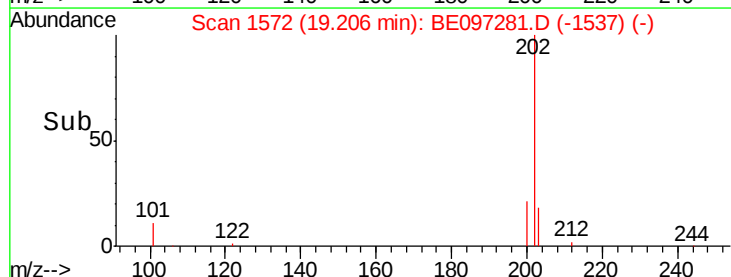
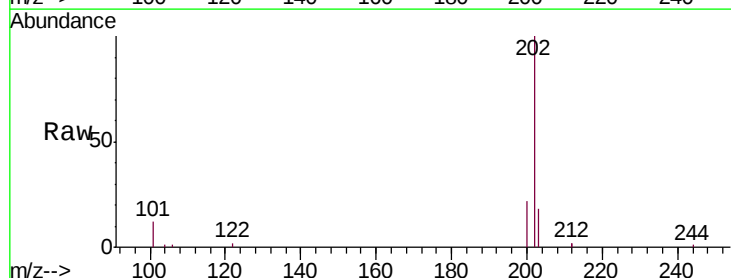
Tgt Ion:202 Resp: 6054

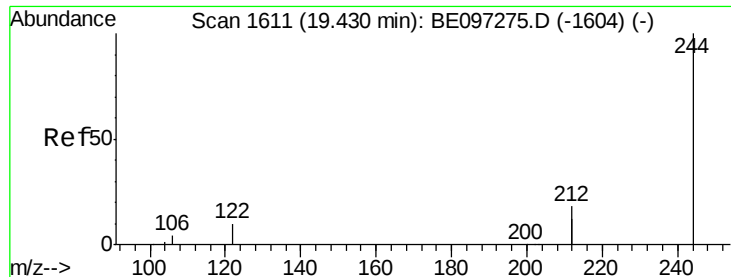
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 18.0 13.8 20.8

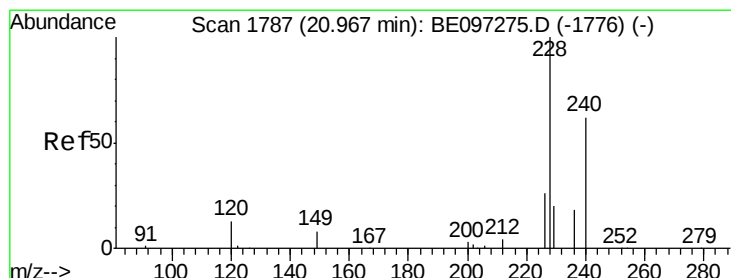
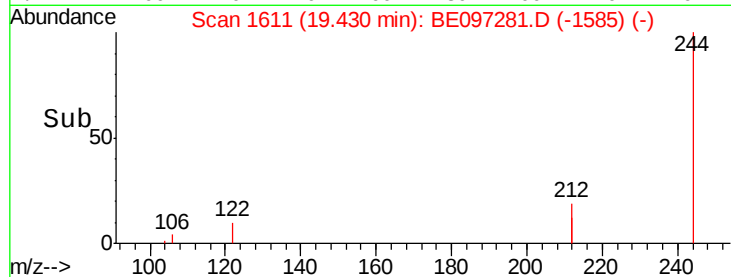
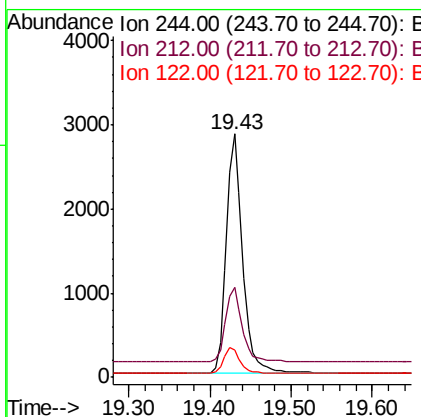
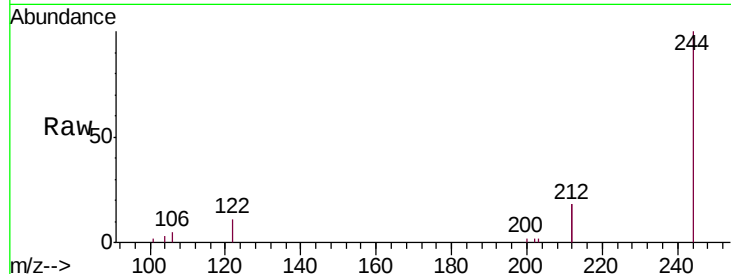




#29
 Terphenyl-d14
 Concen: 0.379 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097281.D
 Acq: 15 Aug 2018 16:29

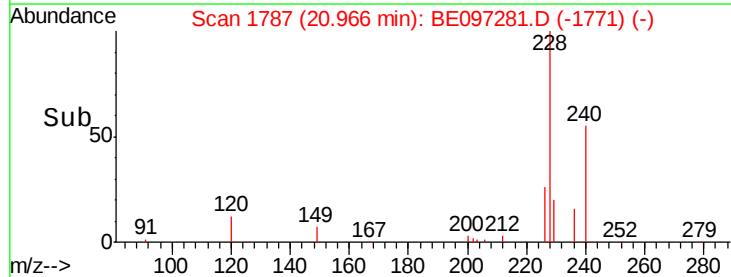
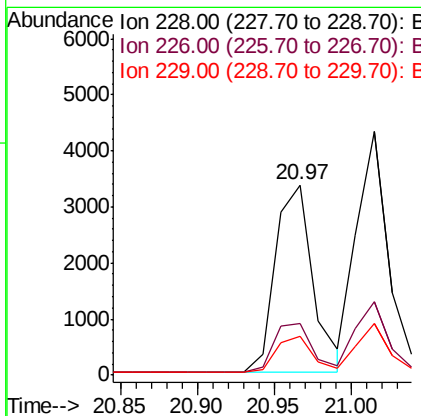
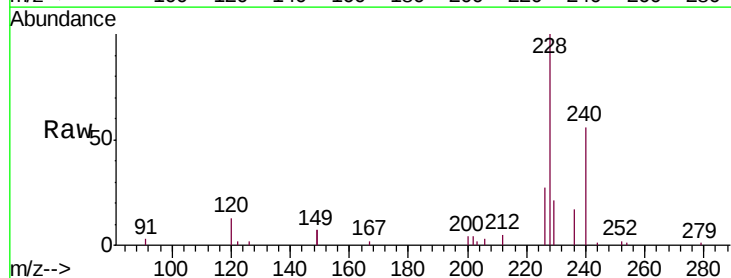
Instrument :
 BNA_E
 ClientSampleId :
 PB112028BSD

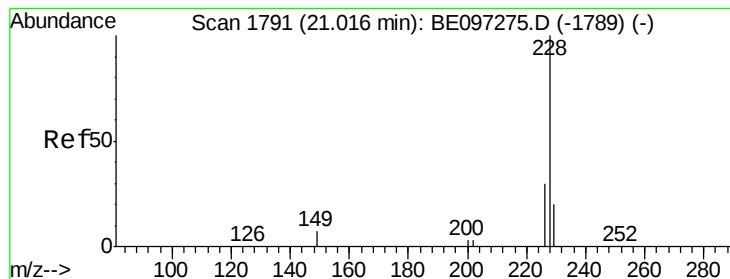
Tgt Ion: 244 Resp: 3998
 Ion Ratio Lower Upper
 244 100
 212 36.9 25.4 38.0
 122 11.4 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.404 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BE097281.D
 Acq: 15 Aug 2018 16:29

Tgt Ion: 228 Resp: 5710
 Ion Ratio Lower Upper
 228 100
 226 27.3 24.0 36.0
 229 20.6 16.0 24.0





#31

Chrysene

Concen: 0.430 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

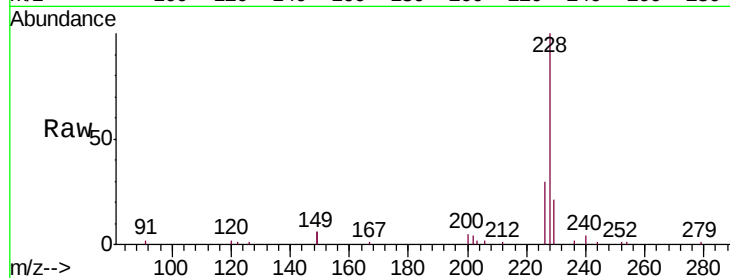
Tgt Ion:228 Resp: 6215

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 21.0 16.0 24.0

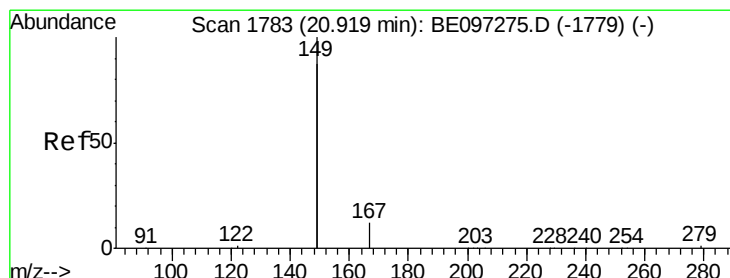
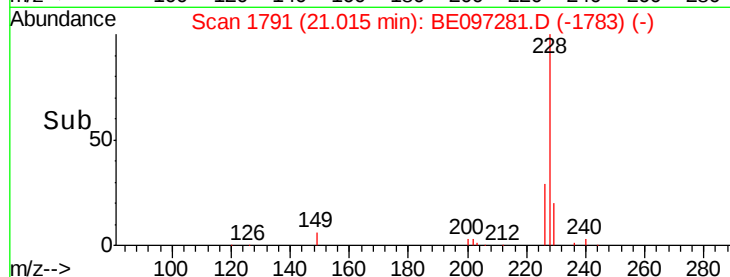
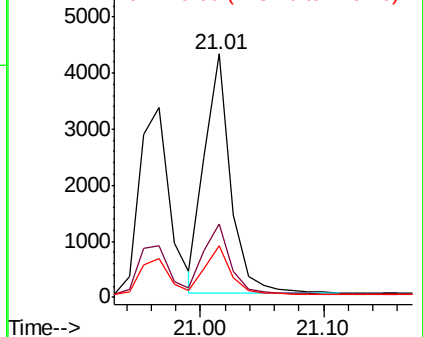


Abundance

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: 0.304 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

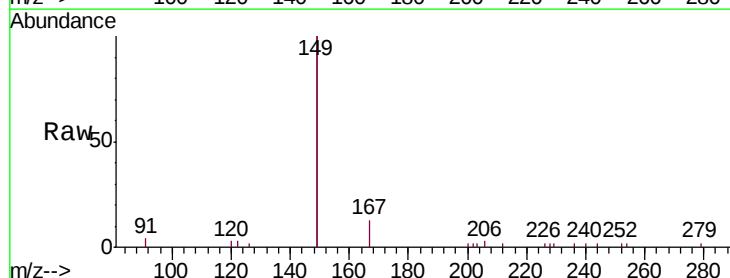
Tgt Ion:149 Resp: 5553

Ion Ratio Lower Upper

149 100

167 5.8 5.4 8.0

279 1.0 0.7 1.1

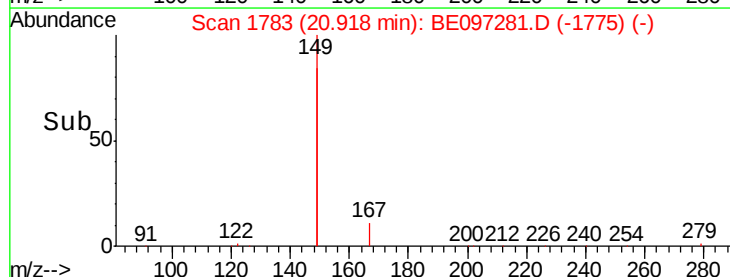
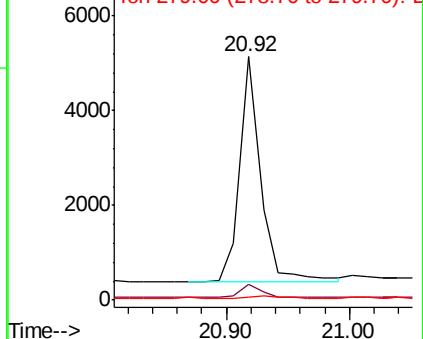


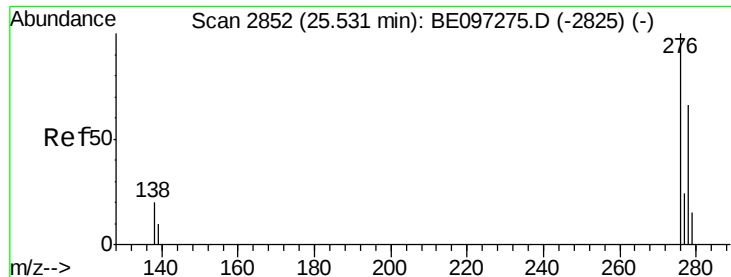
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.401 ng

RT: 25.53 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

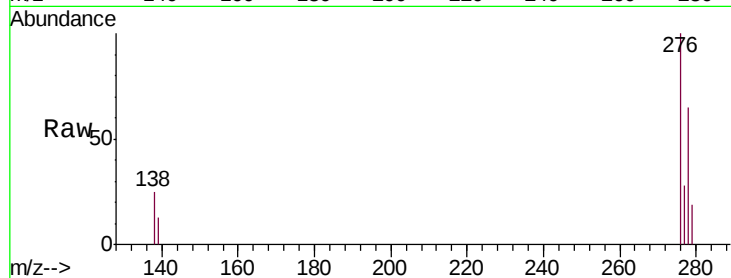
Tgt Ion:276 Resp: 6248

Ion Ratio Lower Upper

276 100

138 21.7 22.5 33.7#

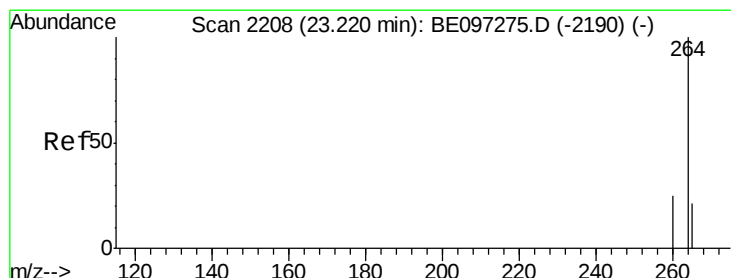
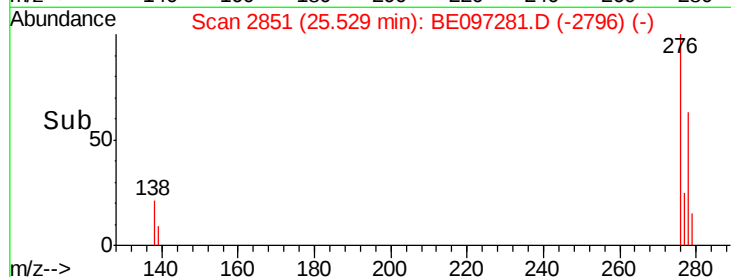
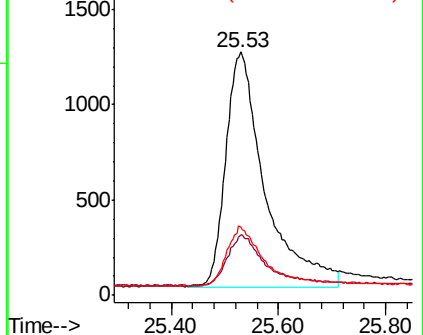
277 23.7 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

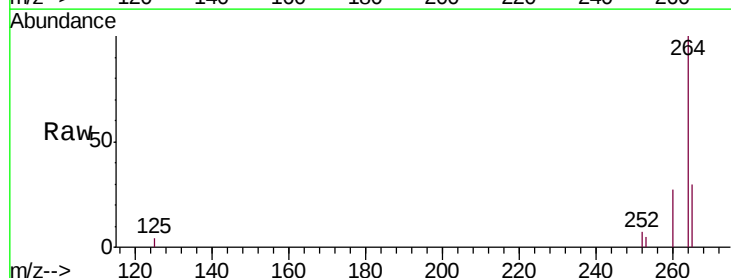
Tgt Ion:264 Resp: 4616

Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

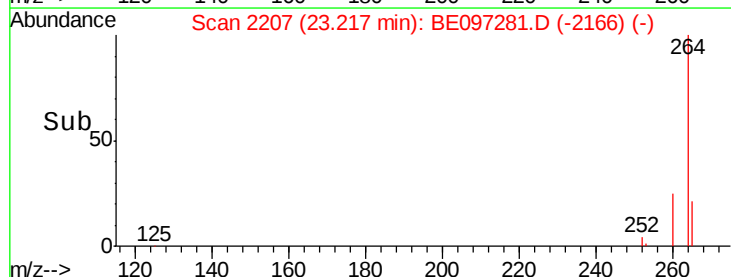
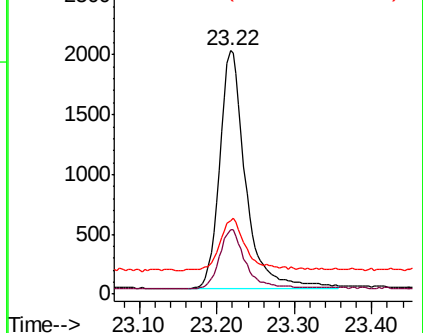
265 30.3 22.8 34.2

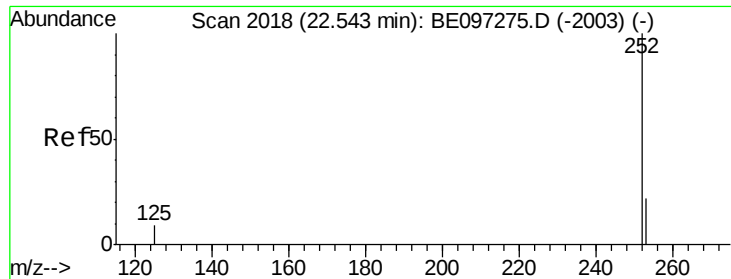


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.473 ng

RT: 22.54 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

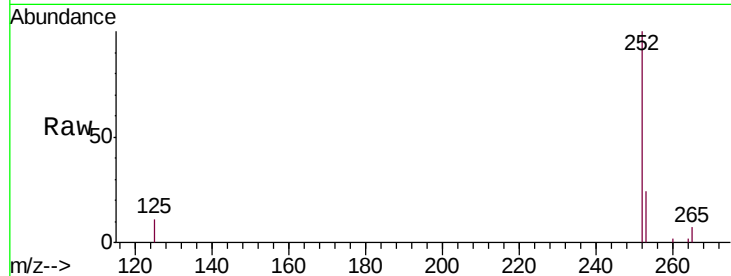
Tgt Ion:252 Resp: 5428

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

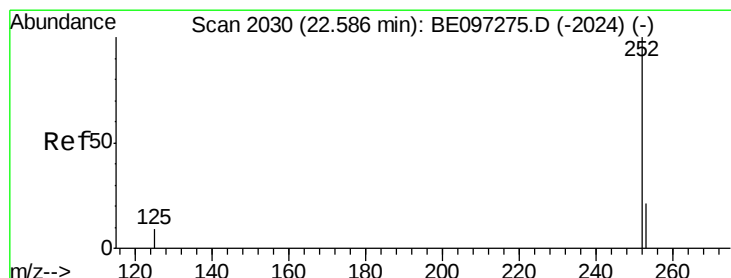
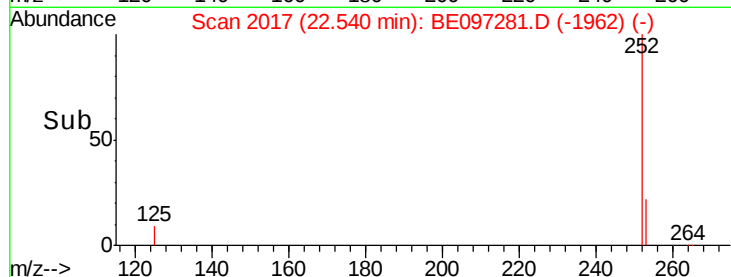
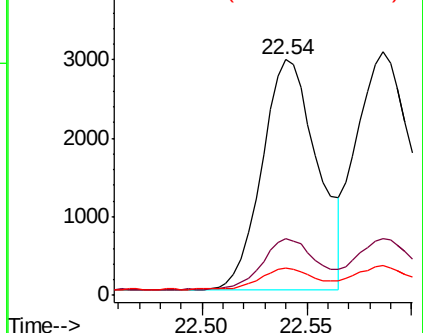
125 11.3 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.389 ng

RT: 22.54 min Scan# 2017

Delta R.T. -0.05 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

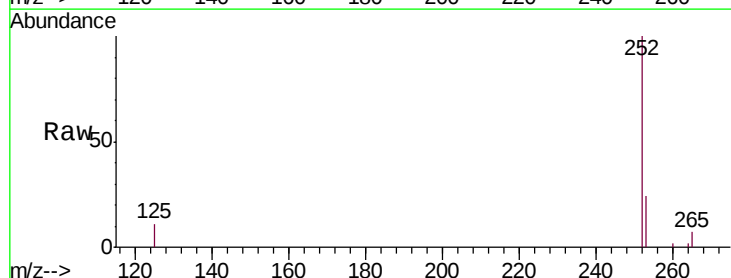
Tgt Ion:252 Resp: 5428

Ion Ratio Lower Upper

252 100

253 23.9 16.0 24.0

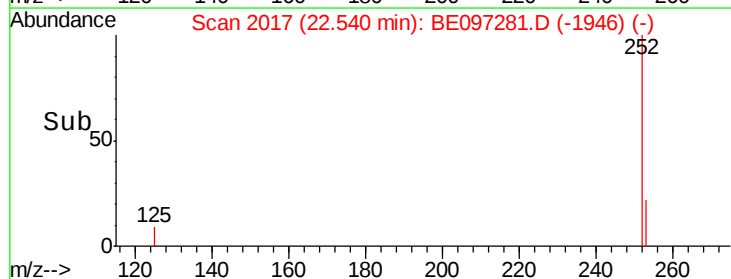
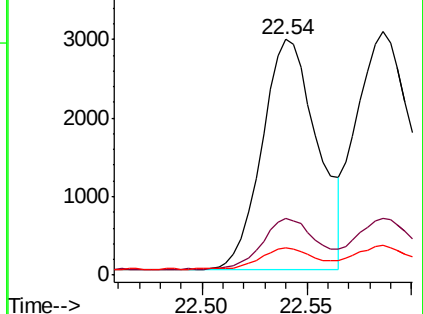
125 11.3 8.0 12.0

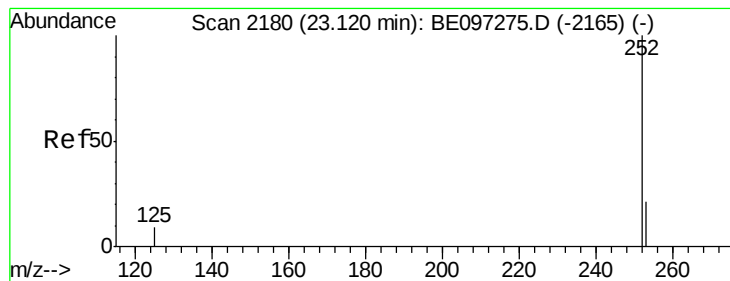


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.441 ng

RT: 23.12 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD

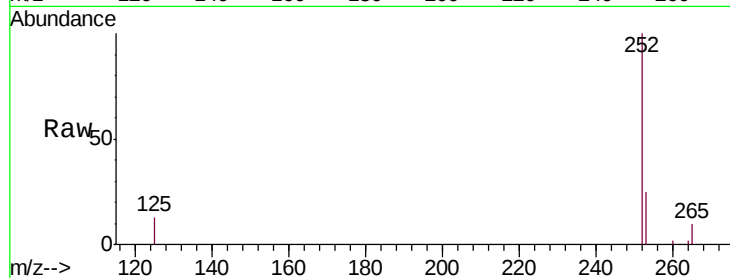
Tgt Ion:252 Resp: 5079

Ion Ratio Lower Upper

252 100

253 25.4 16.0 24.0#

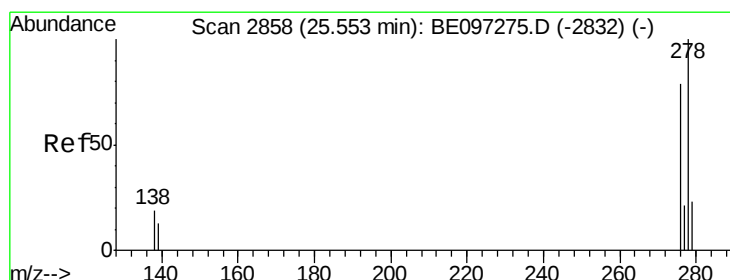
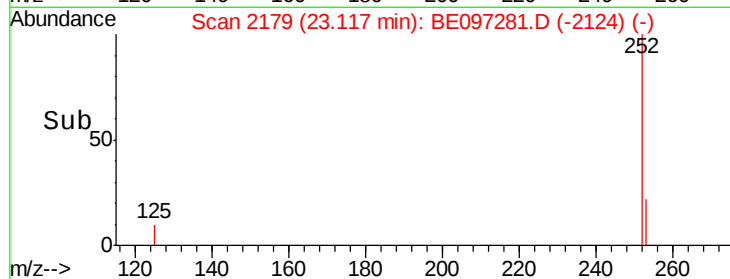
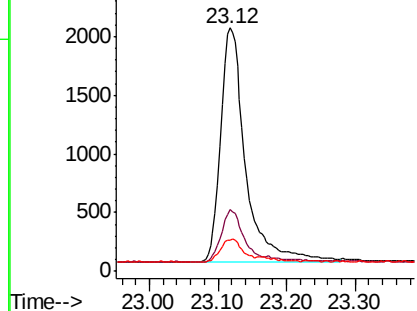
125 13.0 12.0 18.0



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: 0.445 ng

RT: 25.55 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BE097281.D

Acq: 15 Aug 2018 16:29

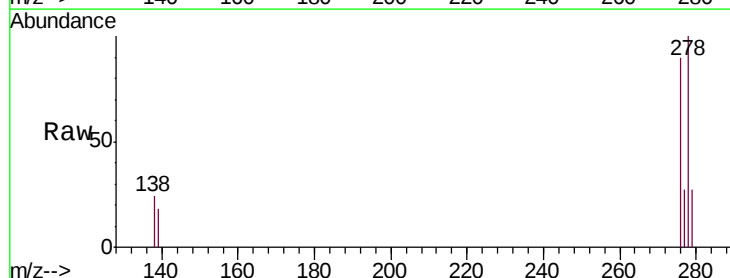
Tgt Ion:278 Resp: 5059

Ion Ratio Lower Upper

278 100

139 18.4 16.0 24.0

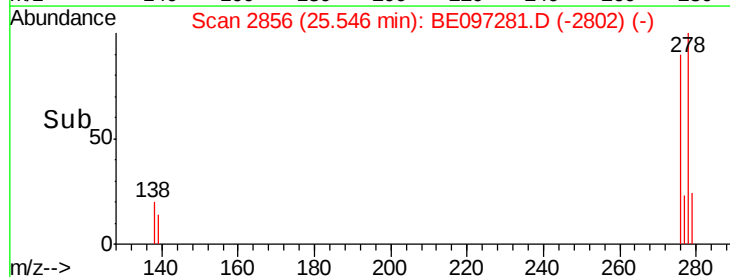
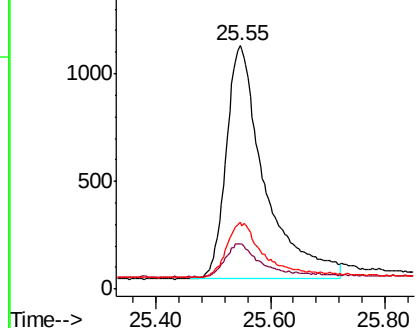
279 27.4 20.0 30.0

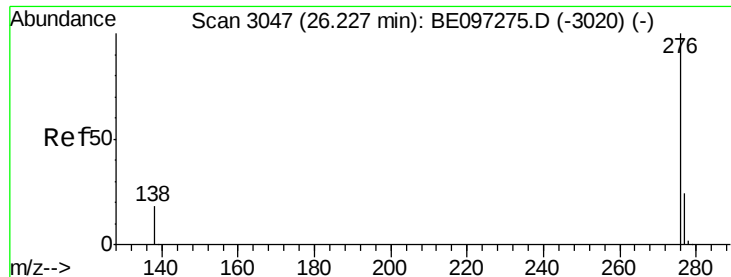


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.451 ng

RT: 26.22 min Scan# 3045

Delta R.T. -0.01 min

Lab File: BE097281.D

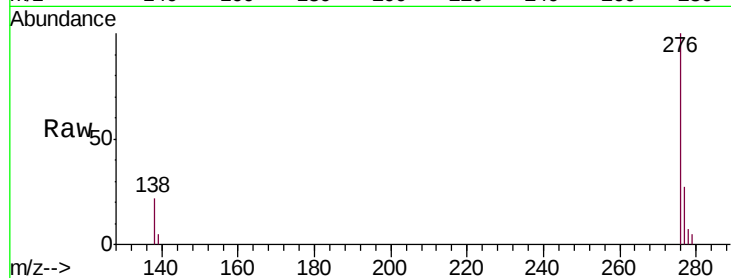
Acq: 15 Aug 2018 16:29

Instrument :

BNA_E

ClientSampleId :

PB112028BSD



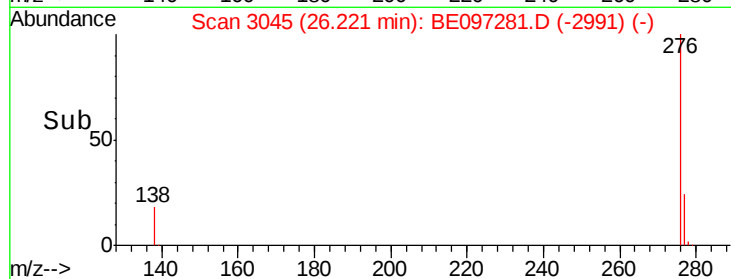
Tgt Ion: 276 Resp: 5174

Ion Ratio Lower Upper

276 100

277 27.4 16.0 24.0#

138 21.8 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

