

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
 Data File : BE097114.D
 Acq On : 31 Jul 2018 9:54
 Operator : SJ/JU
 Sample : PB111580BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111580BS

Quant Time: Jul 31 10:49:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1385	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5534	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2376	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	6047	0.40	ng	0.00
27) Chrysene-d12	20.98	240	6660	0.40	ng	0.00
34) Perylene-d12	23.21	264	5501	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1090	0.28	ng	0.00
5) Phenol-d6	6.60	99	1318	0.23	ng	0.00
8) Nitrobenzene-d5	8.52	82	1918	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3577	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	155	0.20	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4262	0.52	ng	0.00
25) Fluoranthene-d10	18.81	212	26732	0.44	ng	0.00
29) Terphenyl-d14	19.43	244	4433	0.35	ng	0.00

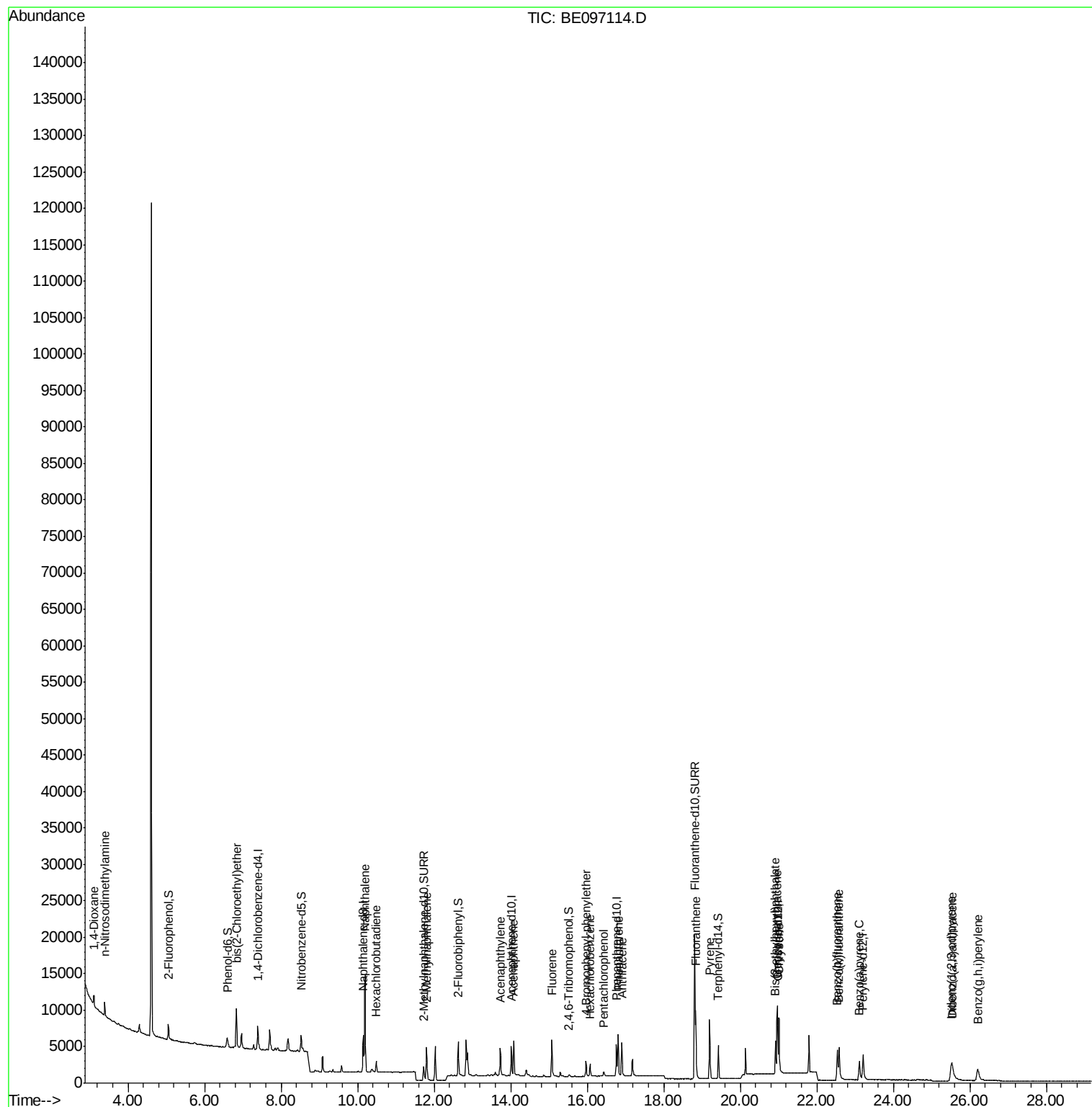
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	869	0.395	ng	# 87
3) n-Nitrosodimethylamine	3.39	42	1188	0.483	ng	# 84
6) bis(2-Chloroethyl)ether	6.84	93	2987	0.573	ng	# 51
9) Naphthalene	10.20	128	22767	0.458	ng	100
10) Hexachlorobutadiene	10.48	225	1045	0.470	ng	96
12) 2-Methylnaphthalene	11.80	142	3383	0.397	ng	99
16) Acenaphthylene	13.73	152	4689	0.440	ng	100
17) Acenaphthene	14.08	154	2631	0.424	ng	# 87
18) Fluorene	15.07	166	3210	0.392	ng	# 78
20) 4-Bromophenyl-phenylether	15.97	248	1177	0.401	ng	87
21) Hexachlorobenzene	16.08	284	1339	0.425	ng	# 82
22) Pentachlorophenol	16.44	266	421	0.544	ng	# 77
23) Phenanthrene	16.81	178	6569	0.456	ng	98
24) Anthracene	16.90	178	5529	0.429	ng	95
26) Fluoranthene	18.84	202	8360	0.517	ng	98
28) Pyrene	19.20	202	7912	0.433	ng	99
30) Benzo(a)anthracene	20.95	228	7008	0.423	ng	98
31) Chrysene	21.01	228	7884	0.444	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	4632	0.267	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	5829	0.362	ng	# 90
35) Benzo(b)fluoranthene	22.54	252	5683	0.407	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	7842	0.481	ng	96
37) Benzo(a)pyrene	23.11	252	5538	0.422	ng	93
38) Dibenzo(a,h)anthracene	25.54	278	4662	0.356	ng	98
39) Benzo(g,h,i)perylene	26.21	276	5560	0.400	ng	# 91

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

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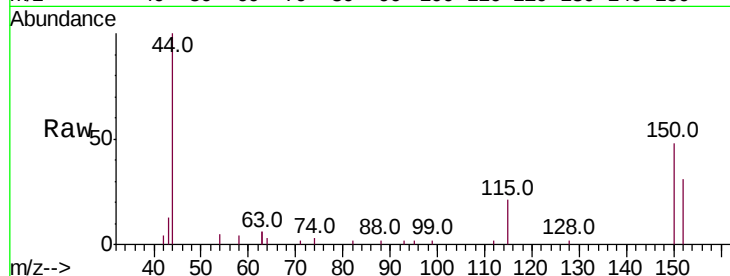


#1

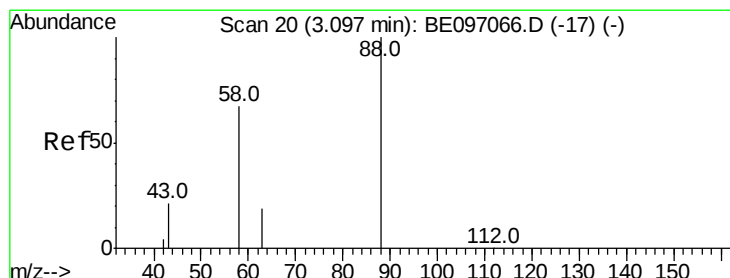
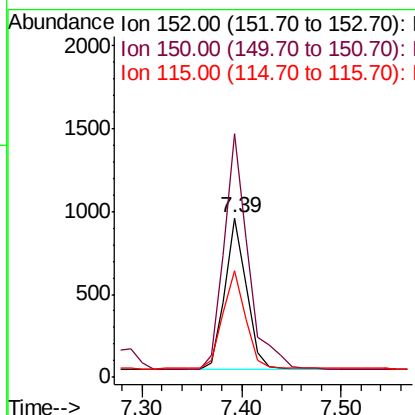
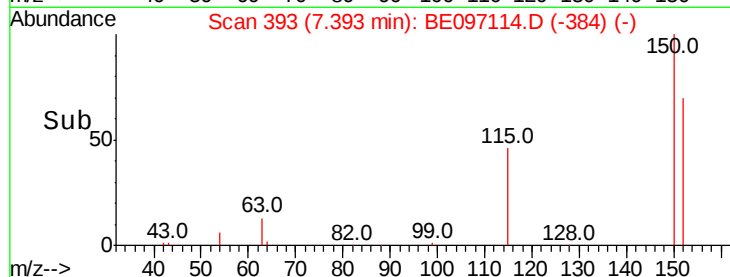
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tot Ion:152 Resp: 1385
Ion Ratio Lower Upper
152 100
150 153.0 117.2 175.8
115 67.4 57.0 85.6



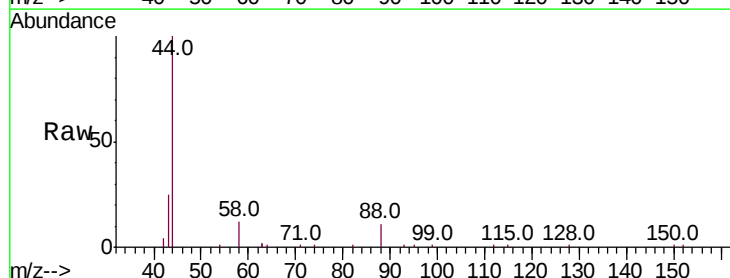
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



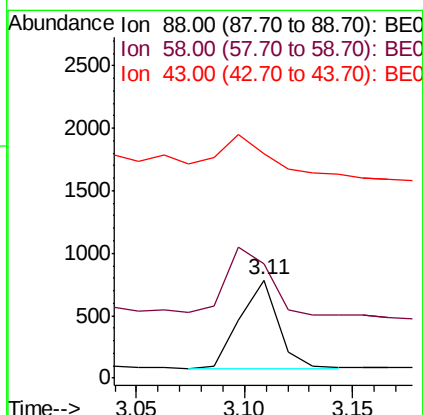
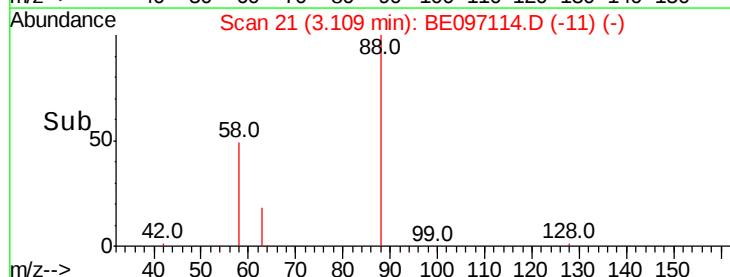
#2

1,4-Dioxane
Concen: 0.395 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion: 88 Resp: 869
Ion Ratio Lower Upper
88 100
58 84.9 63.2 94.8
43 66.5 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: 0.483 ng

RT: 3.39 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

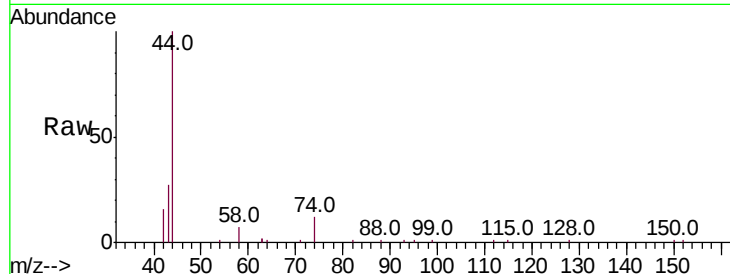
Tot Ion: 42 Resp: 1188

Ion Ratio Lower Upper

42 100

74 105.0 96.0 144.0

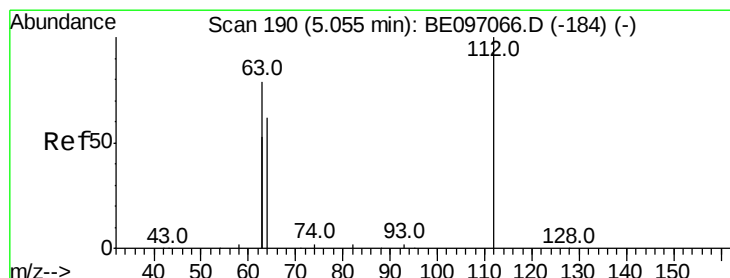
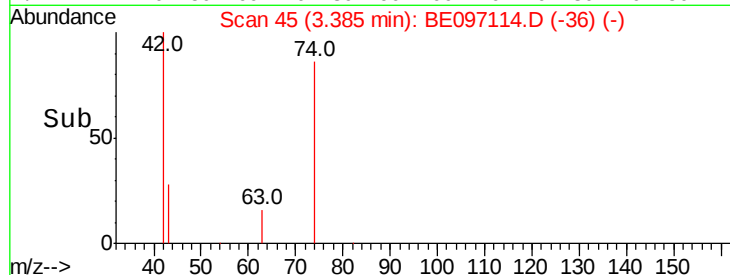
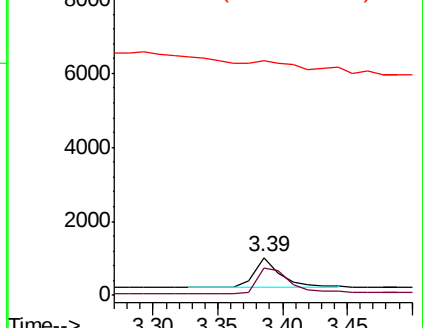
44 0.0 12.0 18.0#



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: 0.280 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

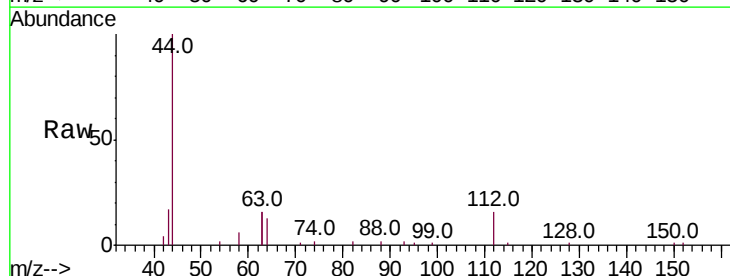
Tgt Ion: 112 Resp: 1090

Ion Ratio Lower Upper

112 100

64 72.9 60.1 90.1

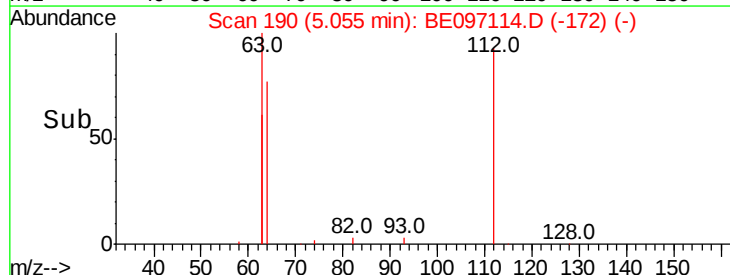
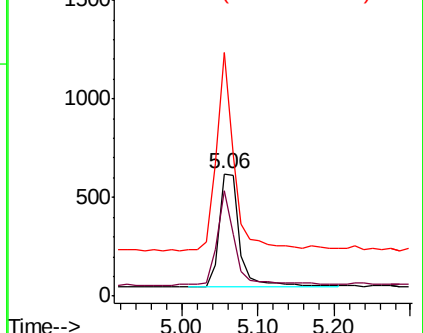
63 146.1 116.8 175.2

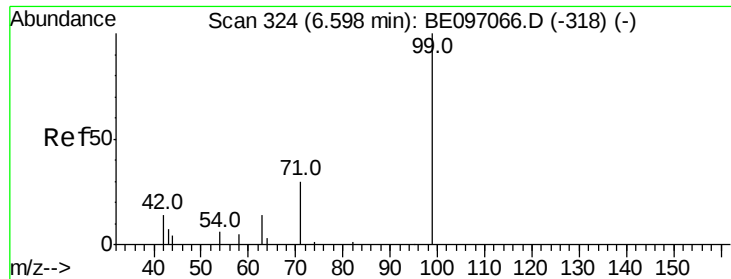


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.231 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

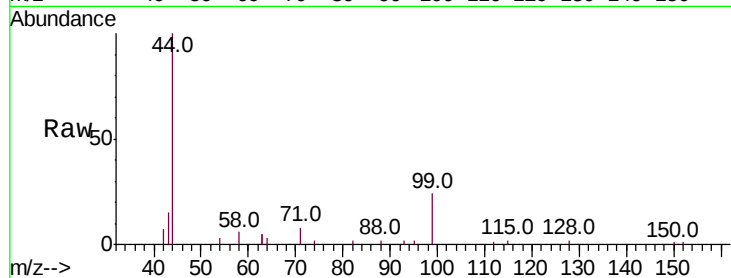
Tot Ion: 99 Resp: 1318

Ion Ratio Lower Upper

99 100

42 26.6 20.2 30.2

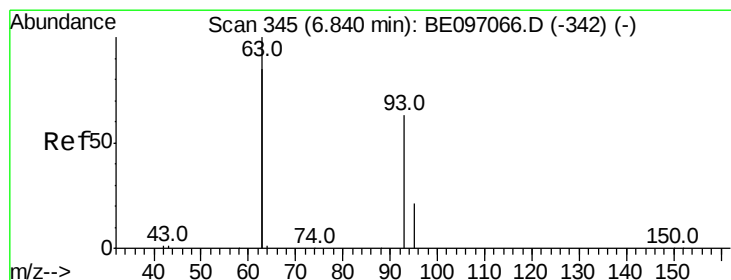
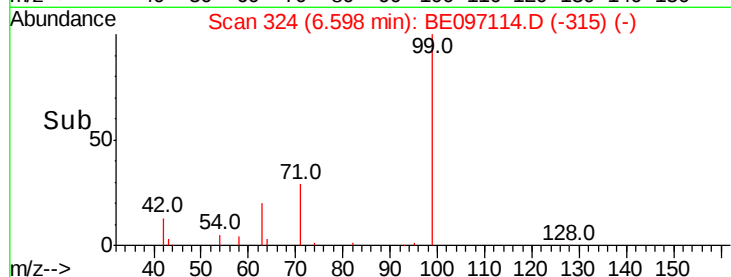
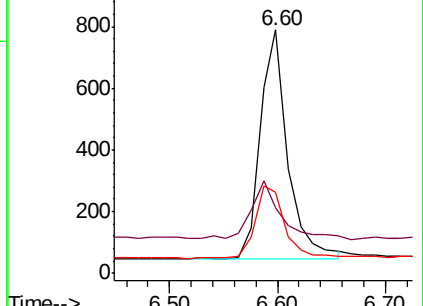
71 34.8 28.4 42.6



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: 0.573 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

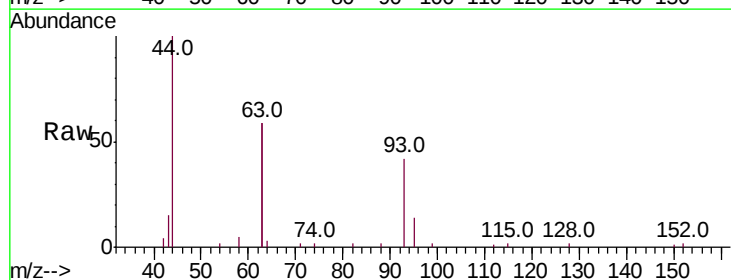
Tgt Ion: 93 Resp: 2987

Ion Ratio Lower Upper

93 100

63 232.2 275.3 412.9#

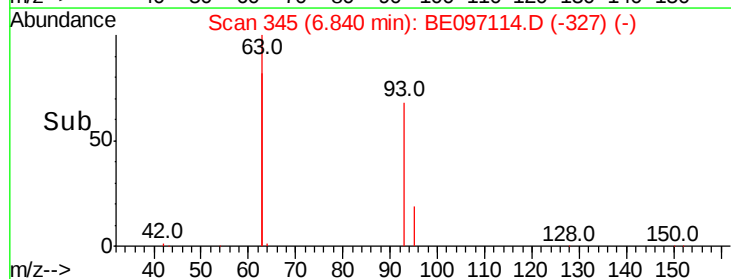
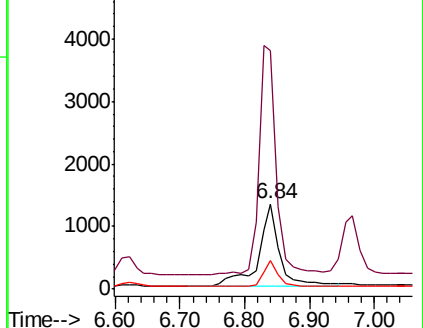
95 20.6 25.2 37.8#



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: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

Tot Ion:136 Resp: 5534

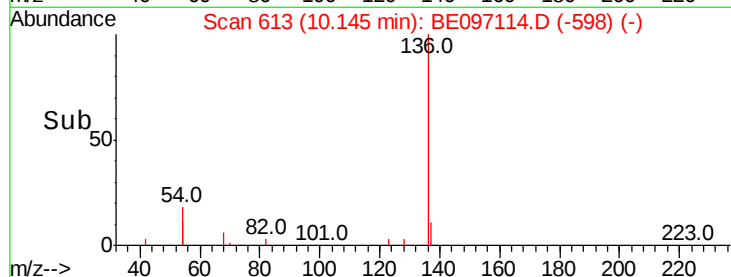
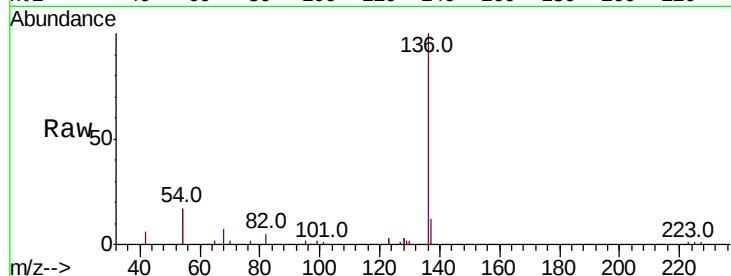
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 34.8 29.1 43.7

68 7.1 6.2 9.2

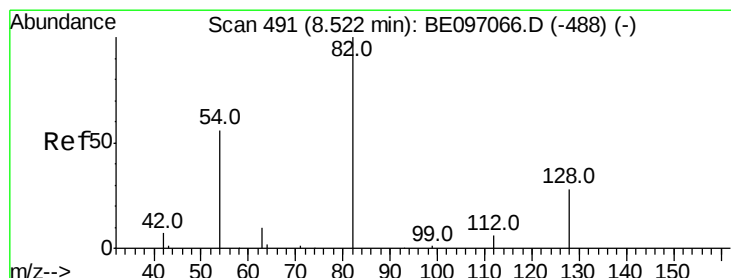
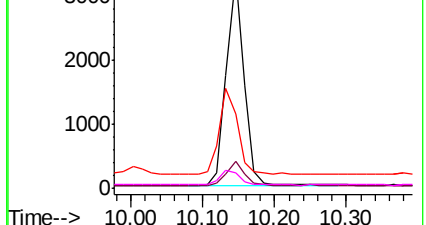


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.399 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

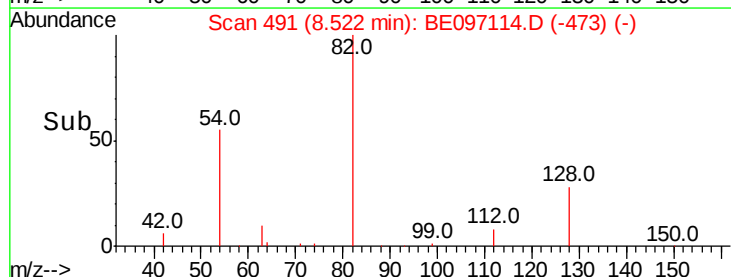
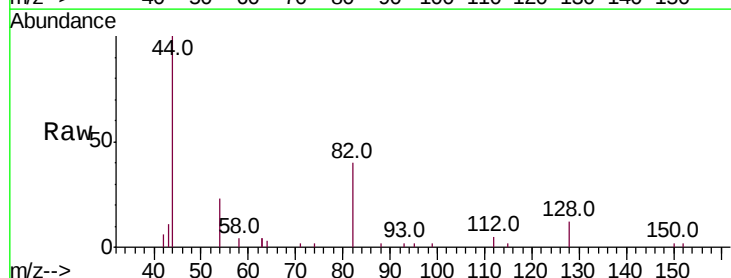
Tgt Ion: 82 Resp: 1918

Ion Ratio Lower Upper

82 100

128 30.9 24.0 36.0

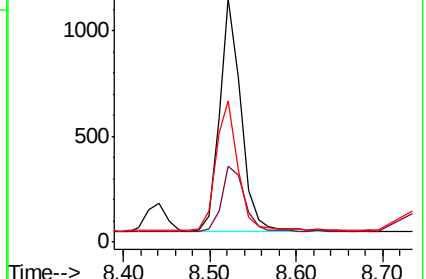
54 57.8 40.0 60.0

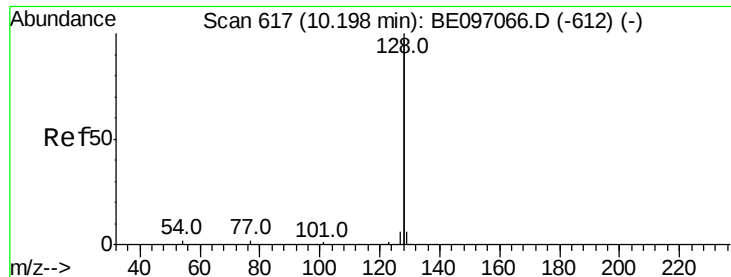


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.458 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

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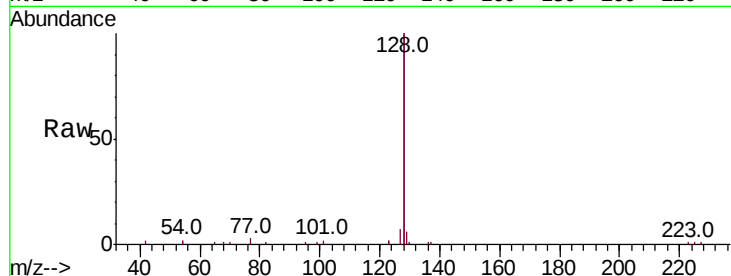
Tot Ion:128 Resp: 22767

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

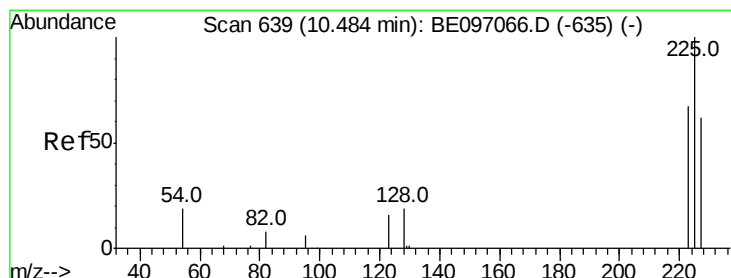
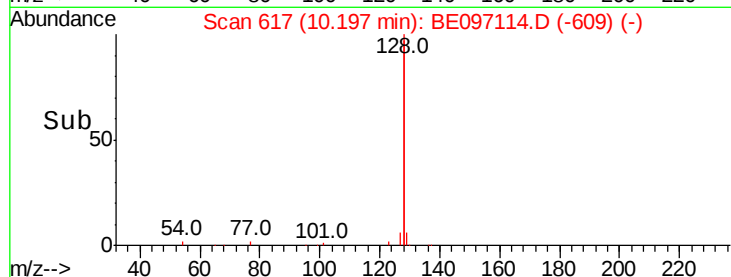
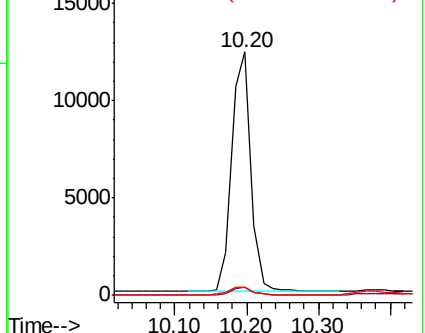
127 3.3 2.8 4.2



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: 0.470 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

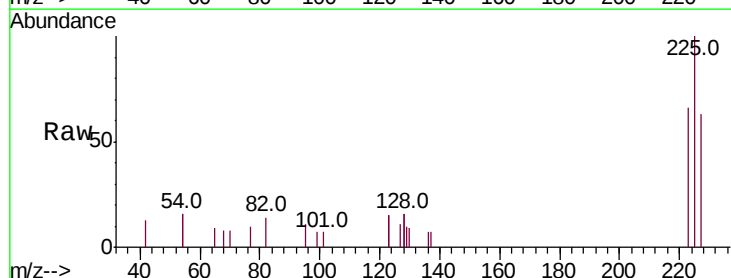
Tgt Ion:225 Resp: 1045

Ion Ratio Lower Upper

225 100

223 61.7 53.0 79.6

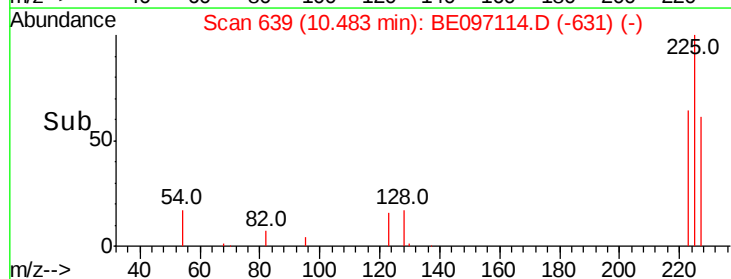
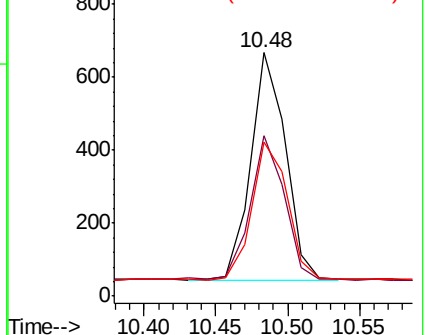
227 62.0 51.4 77.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.432 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097114.D

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ClientSampleId :

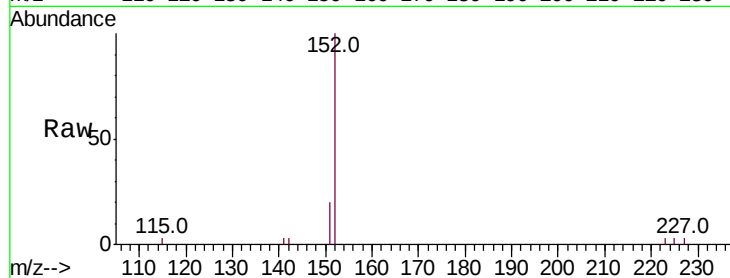
PB111580BS

Tot Ion:152 Resp: 3577

Ion Ratio Lower Upper

152 100

151 15.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2000

1500

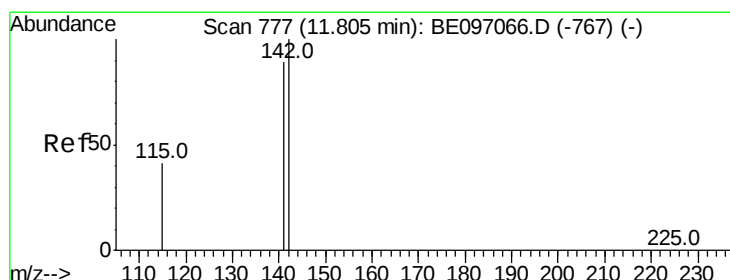
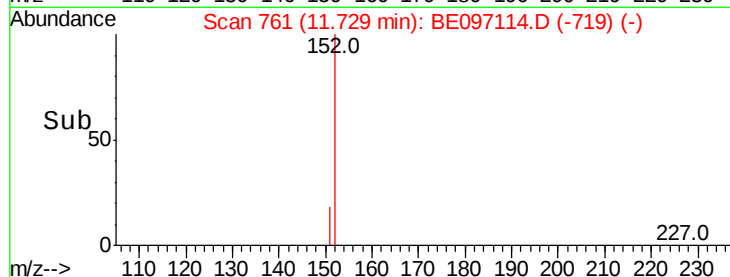
1000

500

0

11.60 11.70 11.80 11.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.397 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

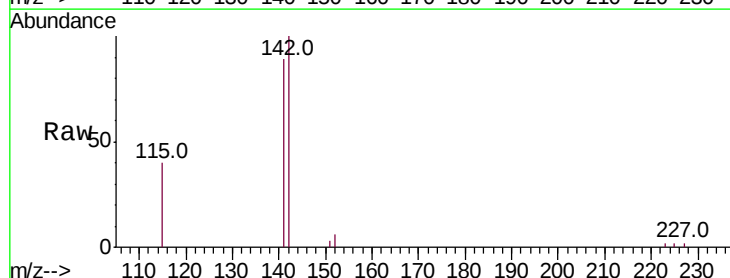
Tgt Ion:142 Resp: 3383

Ion Ratio Lower Upper

142 100

141 89.0 70.4 105.6

115 39.7 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

2500

2000

1500

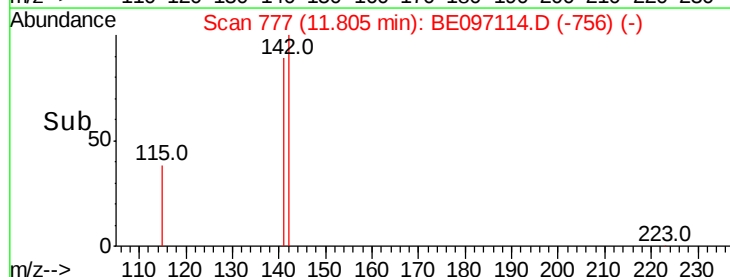
1000

500

0

11.70 11.80 11.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

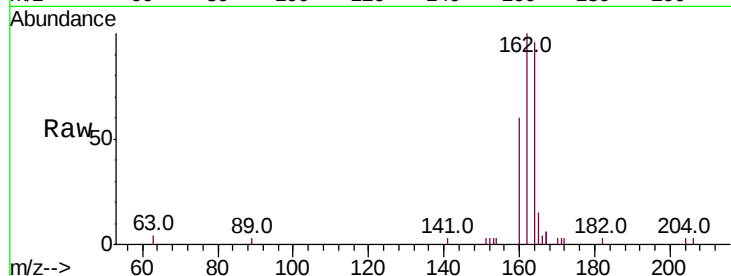
Tot Ion:164 Resp: 2376

Ion Ratio Lower Upper

164 100

162 103.7 83.1 124.7

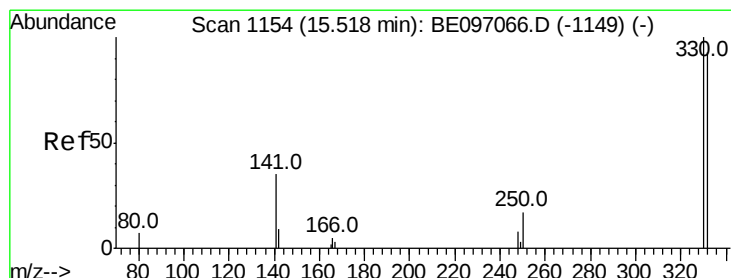
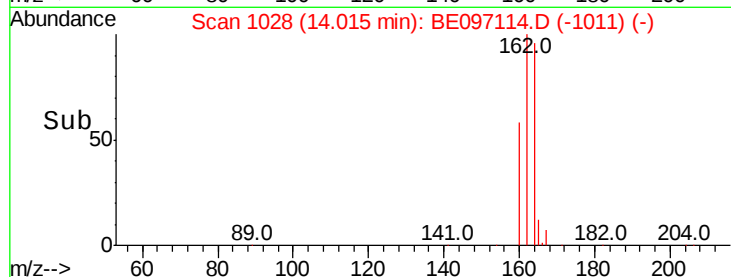
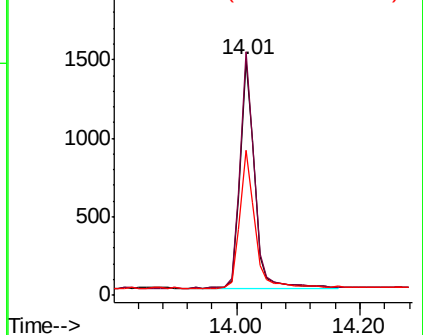
160 61.9 37.1 55.7#



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: 0.198 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

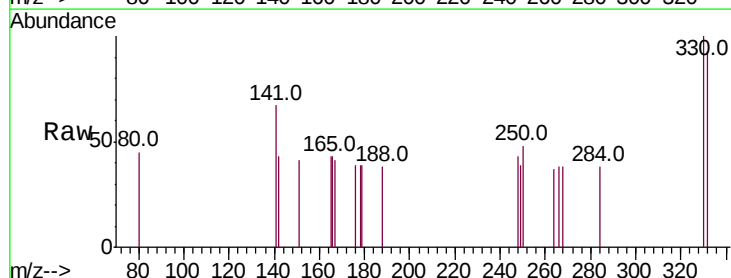
Tgt Ion:330 Resp: 155

Ion Ratio Lower Upper

330 100

332 93.5 152.7 229.1#

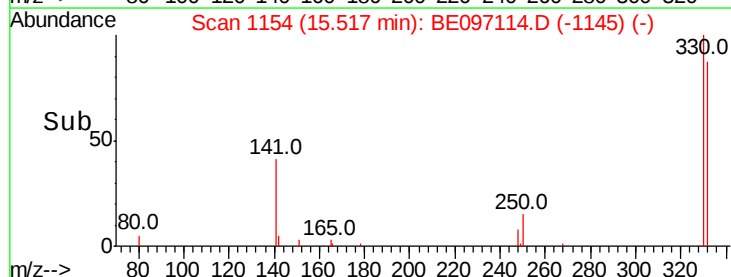
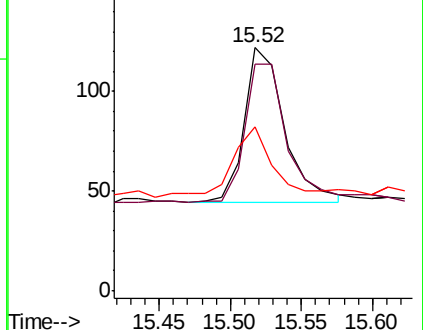
141 45.2 33.7 50.5

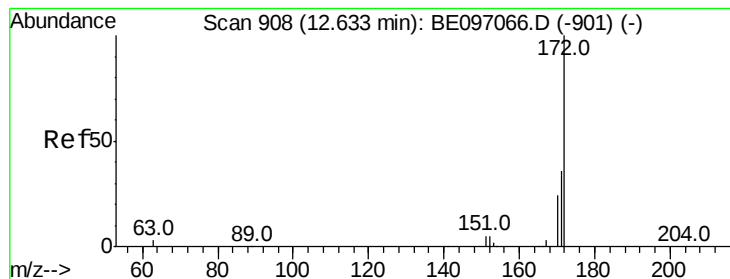


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.519 ng

RT: 12.63 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

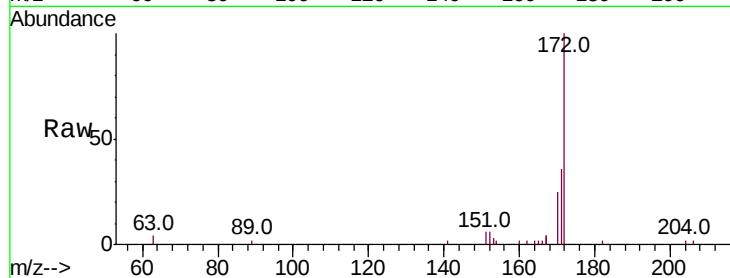
Tot Ion:172 Resp: 4262

Ion Ratio Lower Upper

172 100

171 36.4 29.9 44.9

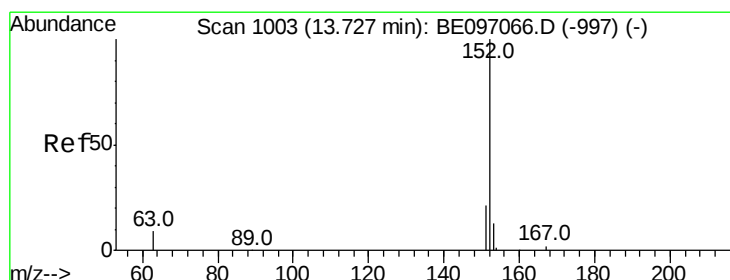
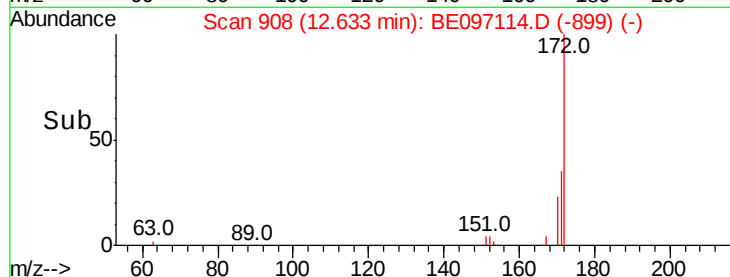
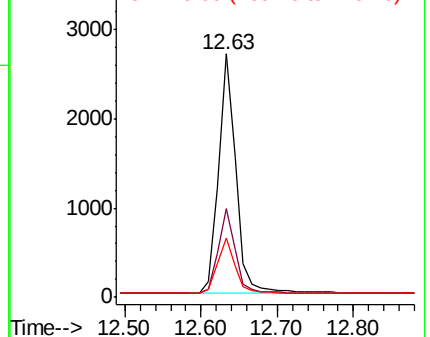
170 24.5 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.440 ng

RT: 13.73 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

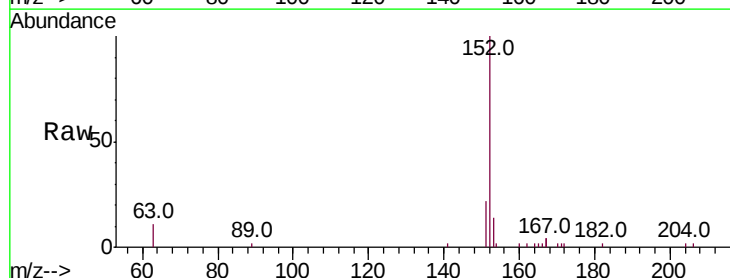
Tgt Ion:152 Resp: 4689

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

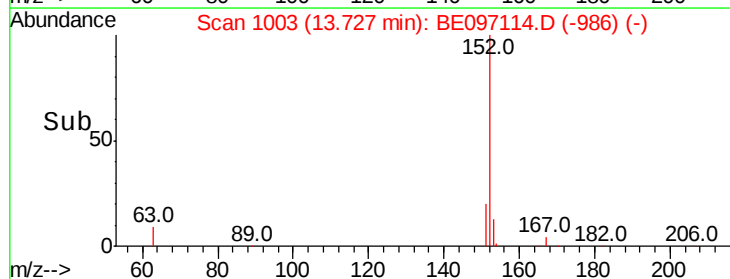
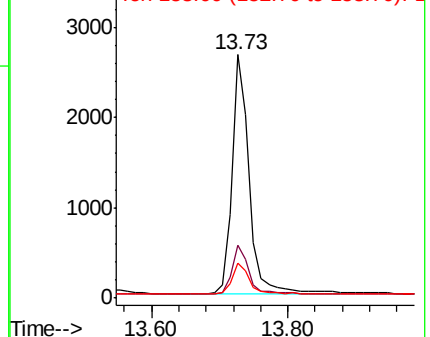
153 13.0 10.5 15.7

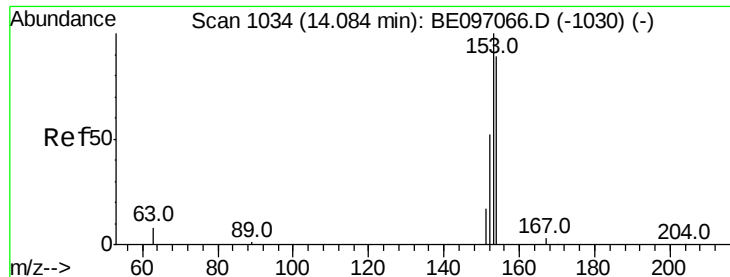


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.424 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

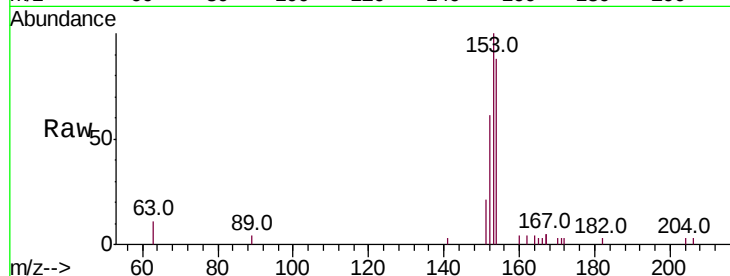
Tot Ion:154 Resp: 2631

Ion Ratio Lower Upper

154 100

153 118.2 89.2 133.8

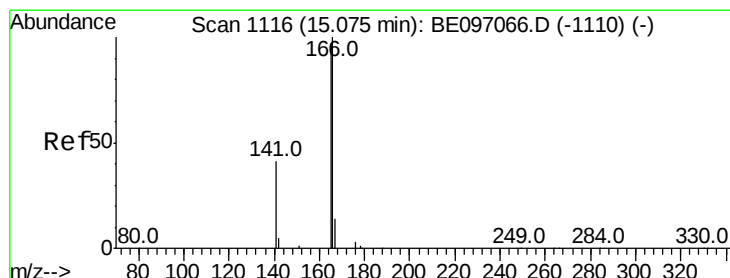
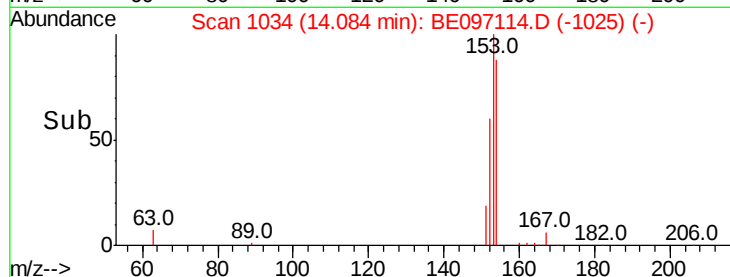
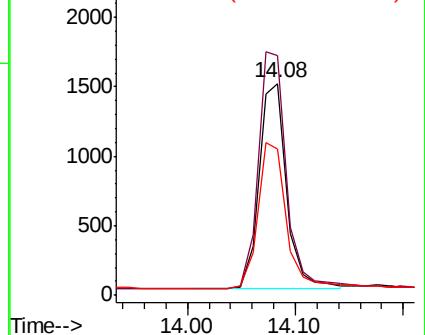
152 72.7 42.0 63.0#



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: 0.392 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

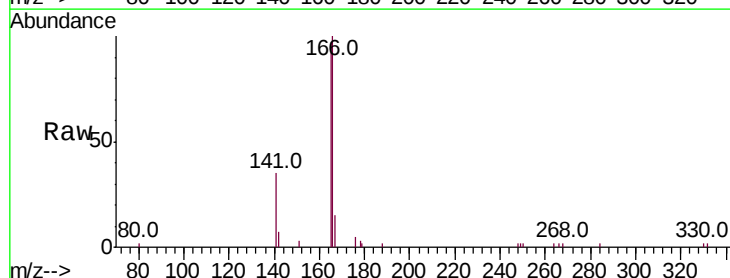
Tgt Ion:166 Resp: 3210

Ion Ratio Lower Upper

166 100

165 101.0 77.8 116.6

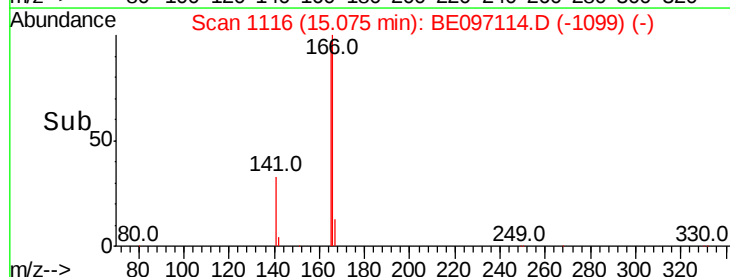
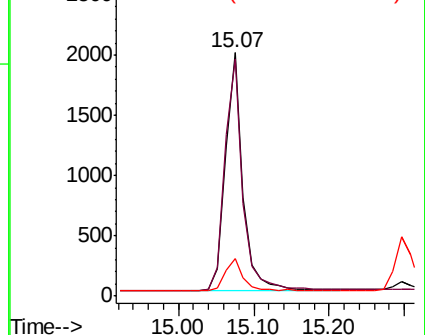
167 13.9 42.4 63.6#



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: 16.76 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

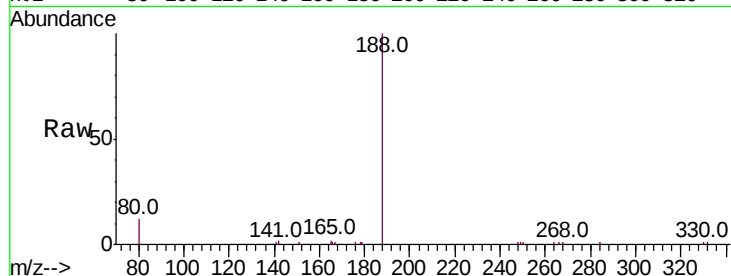
Tot Ion:188 Resp: 6047

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

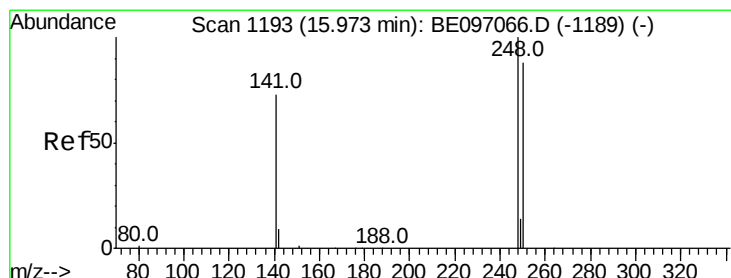
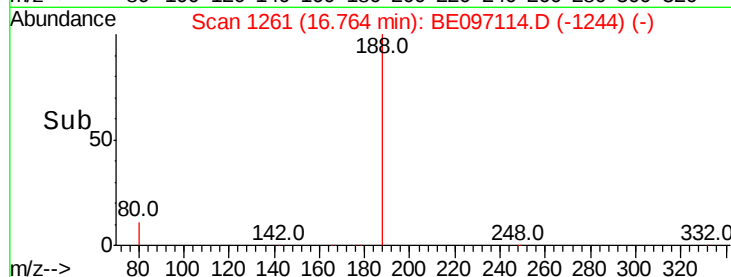
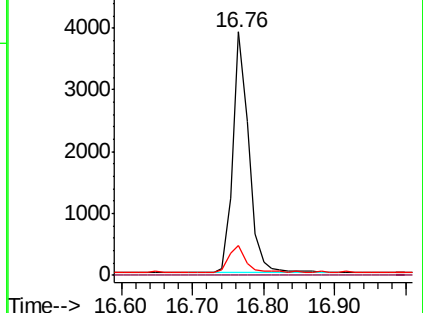
80 12.4 3.6 5.4#



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: 0.401 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

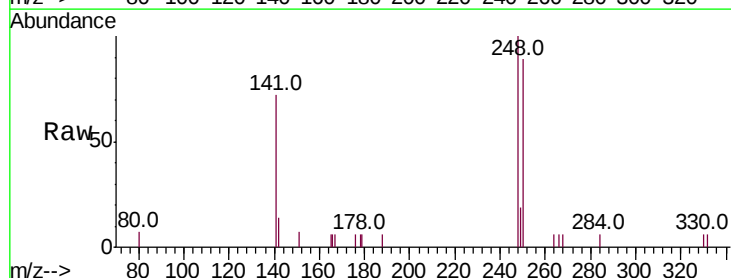
Tgt Ion:248 Resp: 1177

Ion Ratio Lower Upper

248 100

250 88.6 62.7 94.1

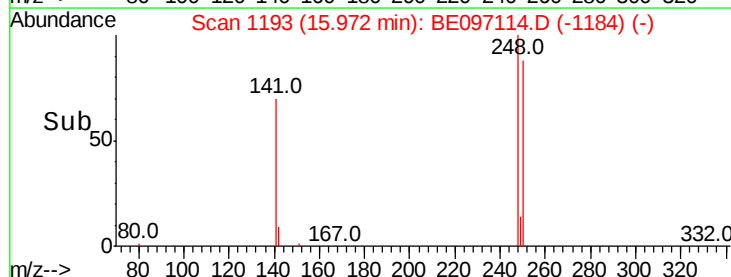
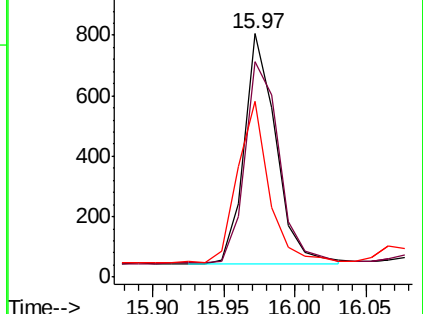
141 72.1 48.2 72.2

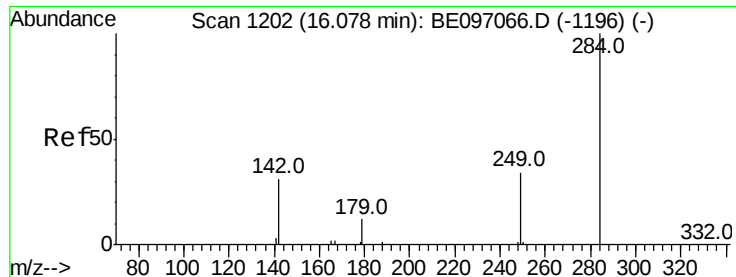


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.425 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

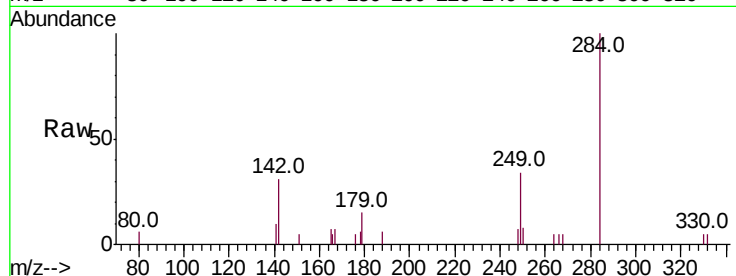
Tot Ion:284 Resp: 1339

Ion Ratio Lower Upper

284 100

142 34.5 22.1 33.1#

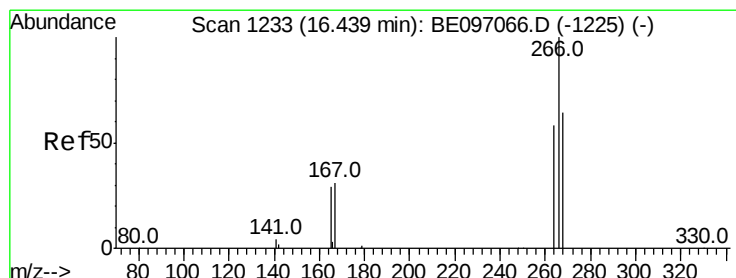
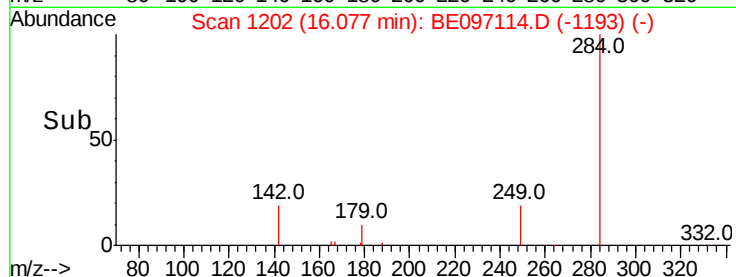
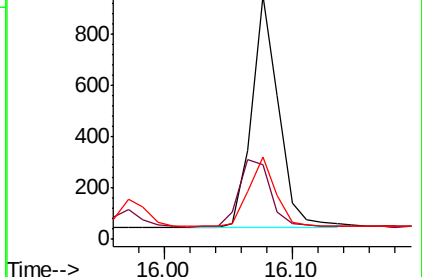
249 30.1 34.8 52.2#



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: 0.544 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

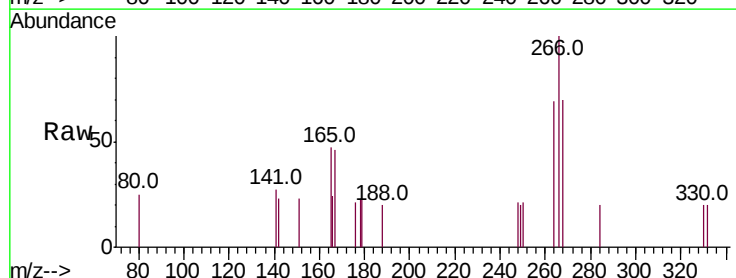
Tgt Ion:266 Resp: 421

Ion Ratio Lower Upper

266 100

264 69.5 72.5 108.7#

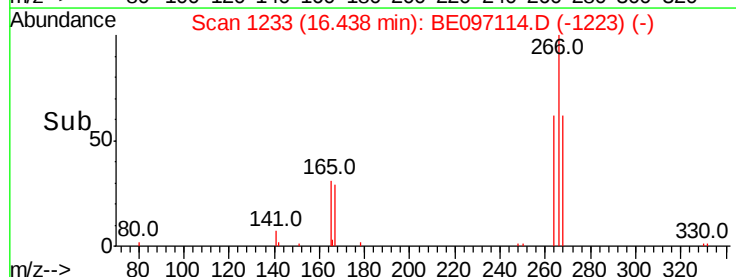
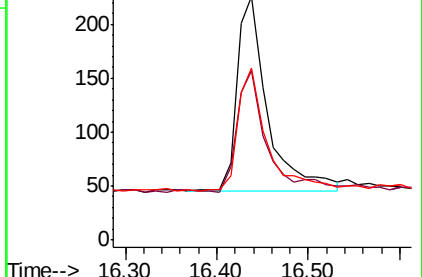
268 70.4 73.8 110.6#



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: 0.456 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

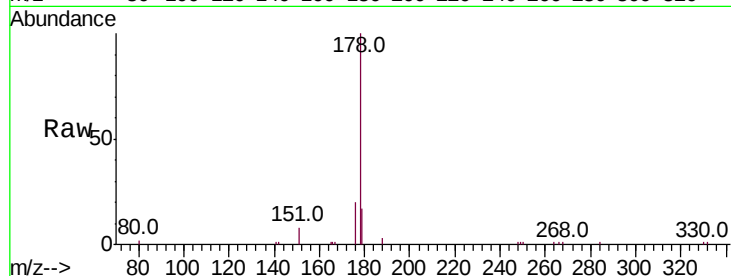
Tot Ion:178 Resp: 6569

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

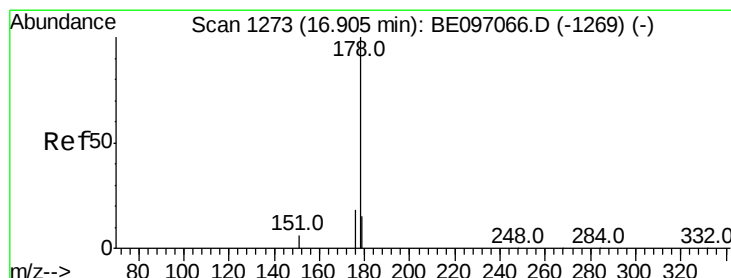
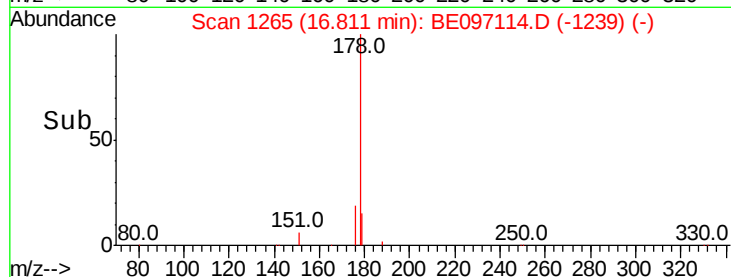
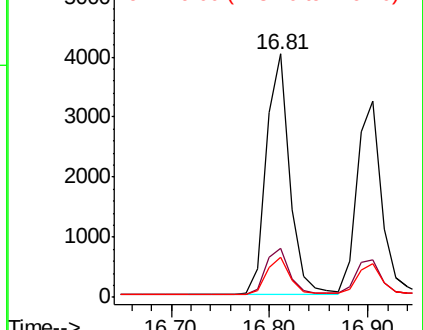
179 15.2 11.8 17.6



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: 0.429 ng

RT: 16.90 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

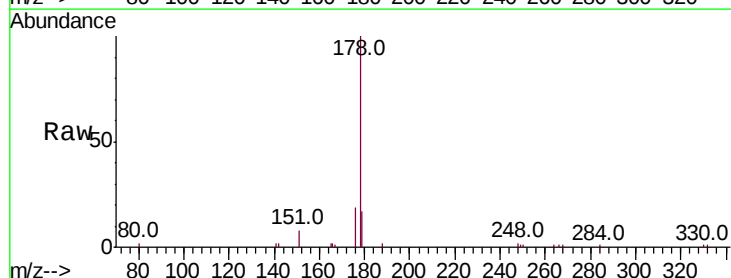
Tgt Ion:178 Resp: 5529

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

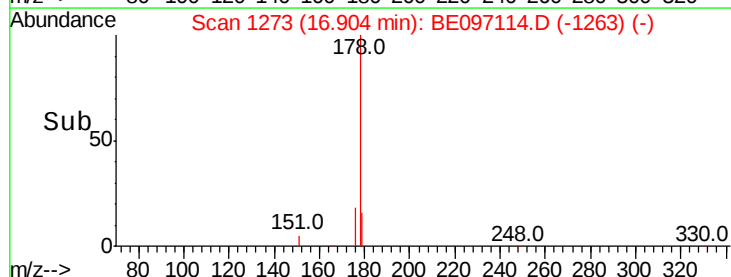
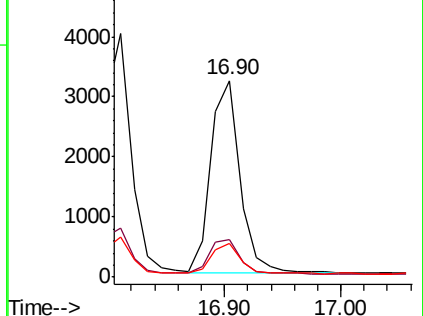
179 15.4 13.0 19.6



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: 0.442 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

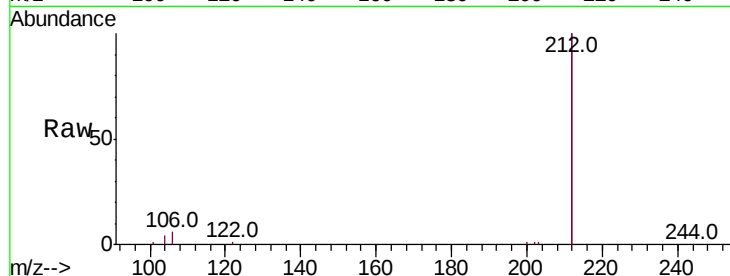
Tot Ion:212 Resp: 26732

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

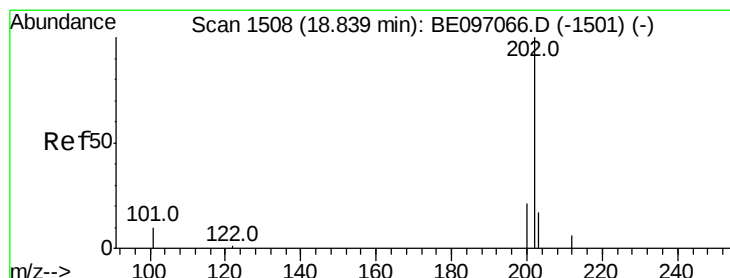
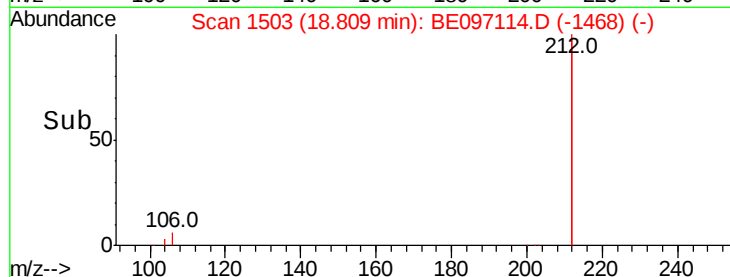
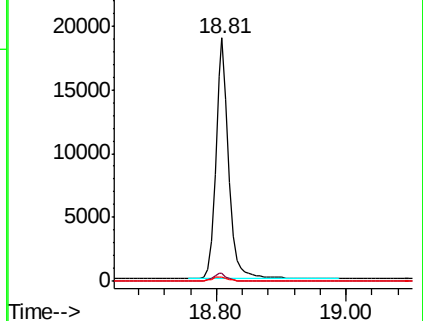
104 1.8 1.6 2.4



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: 0.517 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

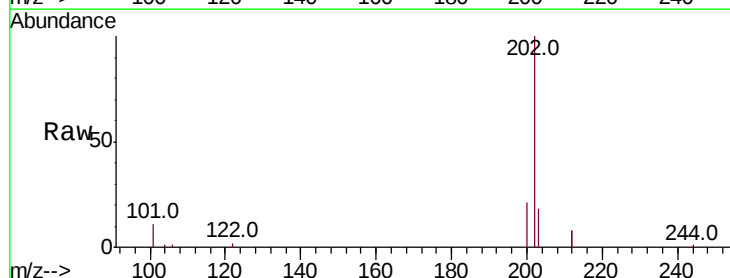
Tgt Ion:202 Resp: 8360

Ion Ratio Lower Upper

202 100

101 10.5 9.8 14.8

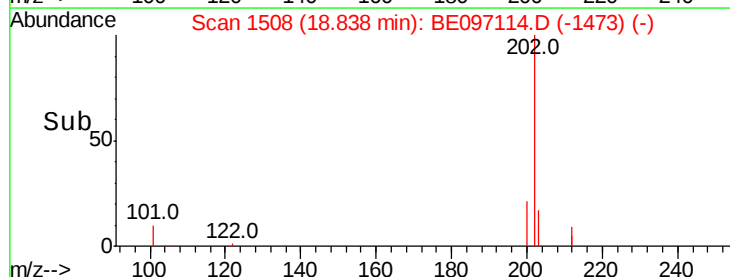
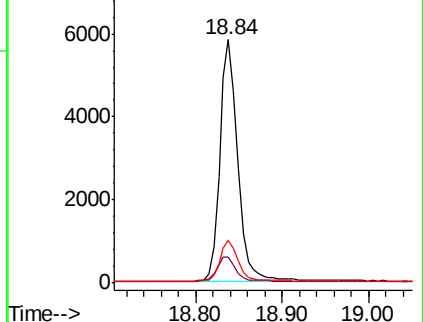
203 16.8 13.7 20.5



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: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

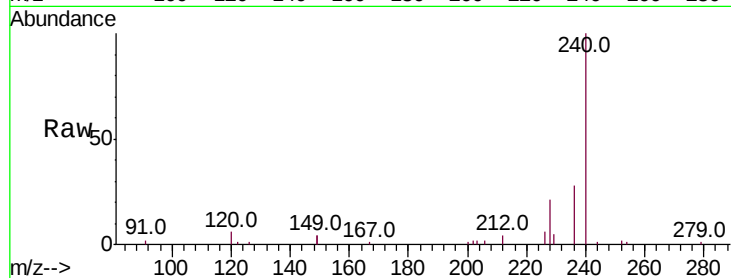
Tot Ion:240 Resp: 6660

Ion Ratio Lower Upper

240 100

120 5.8 5.5 8.3

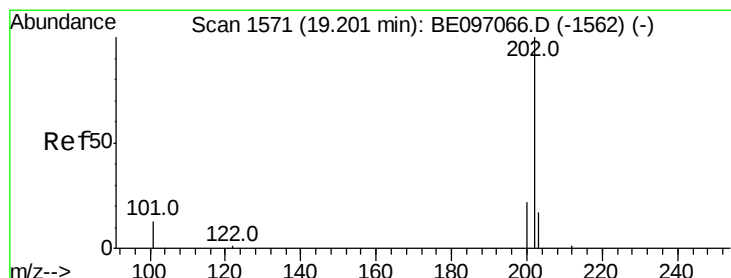
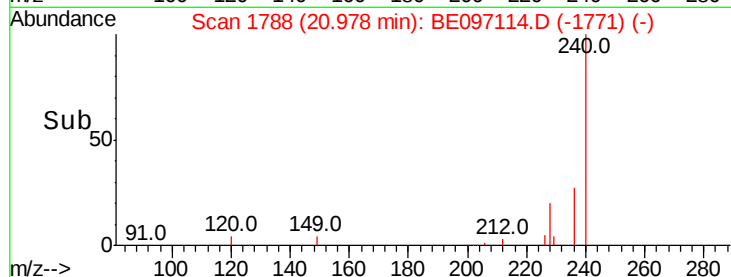
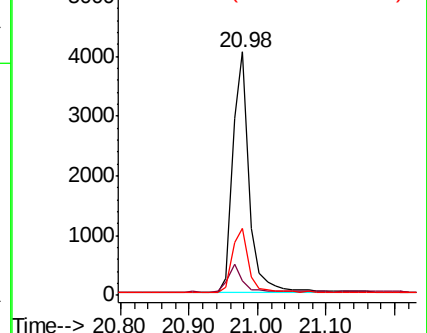
236 27.6 20.7 31.1



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: 0.433 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

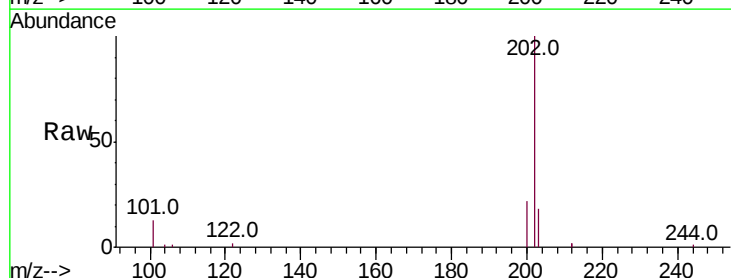
Tgt Ion:202 Resp: 7912

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

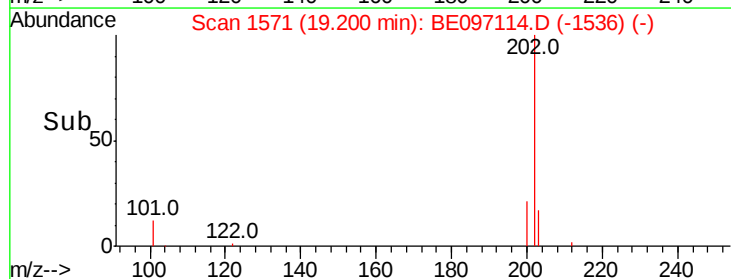
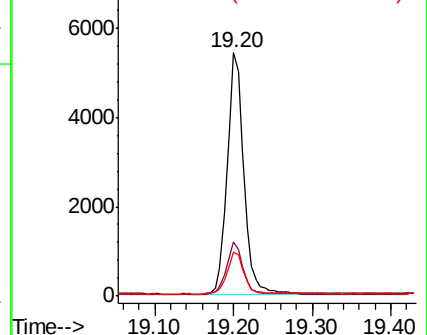
203 17.6 13.8 20.8



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

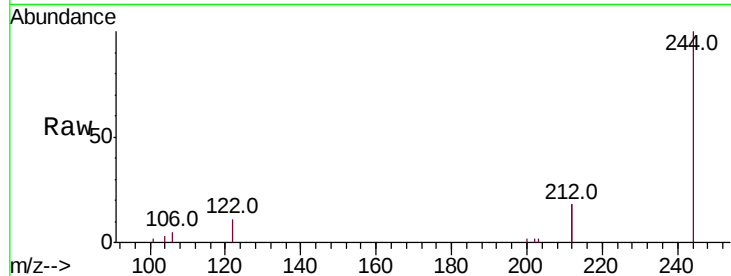




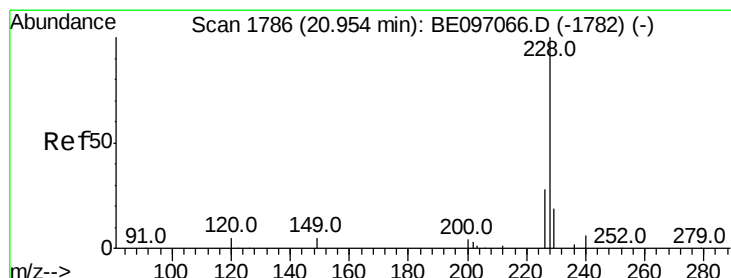
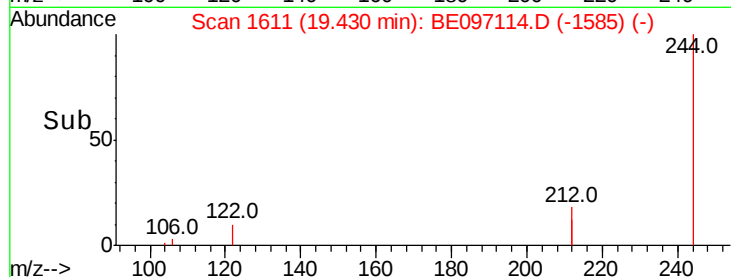
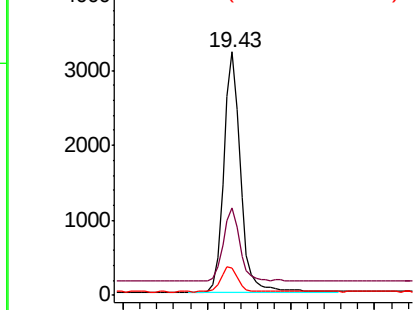
#29
 Terphenyl-d14
 Concen: 0.346 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097114.D
 Acq: 31 Jul 2018 9:54

Instrument :
 BNA_E
 ClientSampleId :
 PB111580BS

Tot Ion:244 Resp: 4433
 Ion Ratio Lower Upper
 244 100
 212 35.9 25.4 38.0
 122 11.0 8.1 12.1

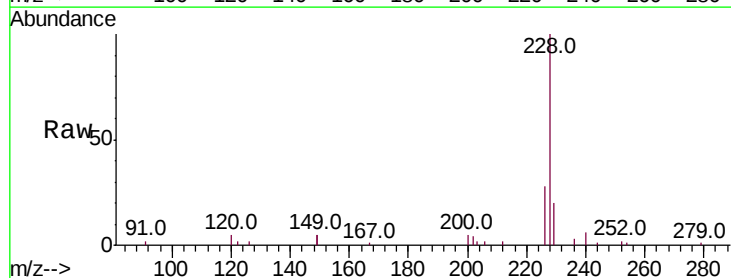


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

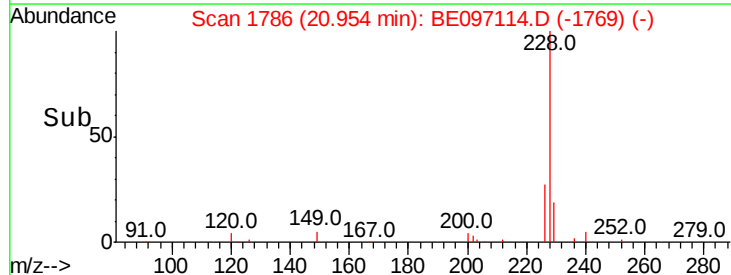
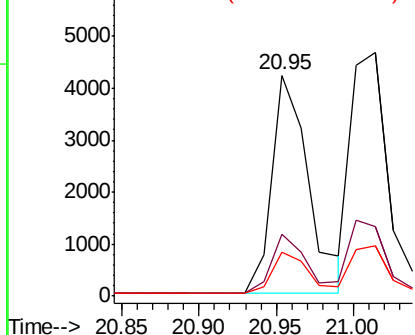


#30
 Benzo(a)anthracene
 Concen: 0.423 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BE097114.D
 Acq: 31 Jul 2018 9:54

Tgt Ion:228 Resp: 7008
 Ion Ratio Lower Upper
 228 100
 226 27.9 24.0 36.0
 229 19.9 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: 0.444 ng

RT: 21.01 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

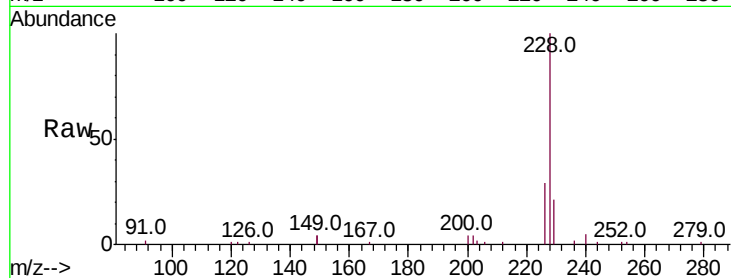
BNA_E

ClientSampleId :

PB111580BS

Tot Ion:228 Resp: 7884

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	20.9	16.0	24.0

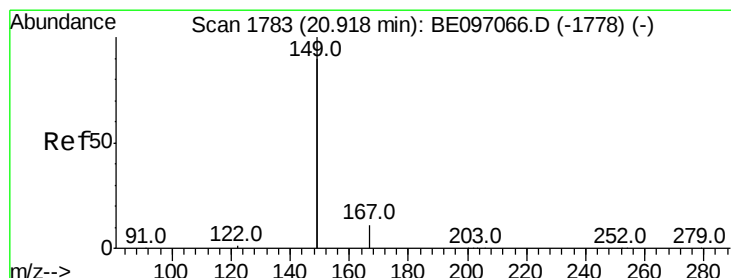
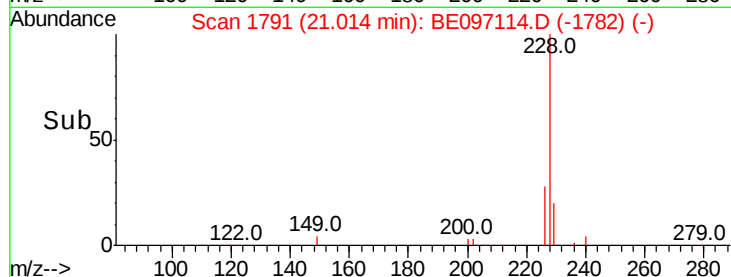
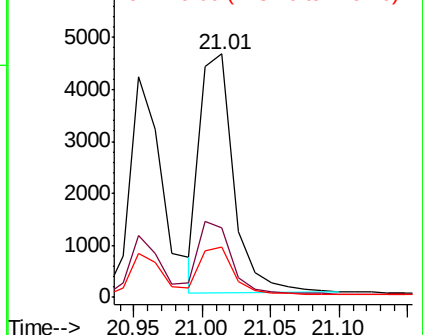


Abundance

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: 0.267 ng

RT: 20.92 min Scan# 1783

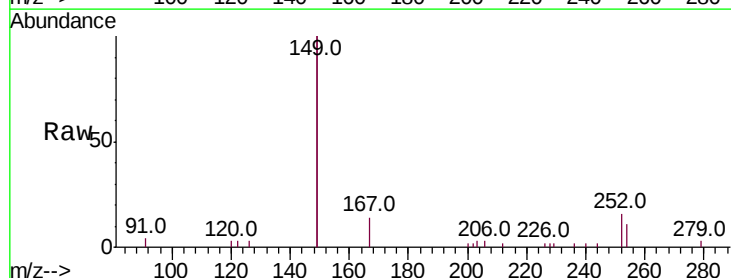
Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Tgt Ion:149 Resp: 4632

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	1.2	0.7	1.1#

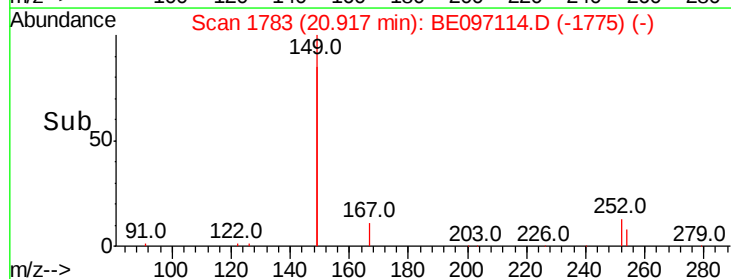
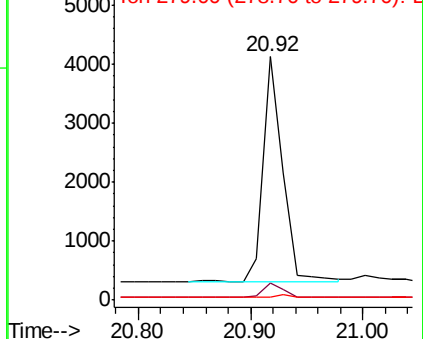


Abundance

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: 0.362 ng

RT: 25.51 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

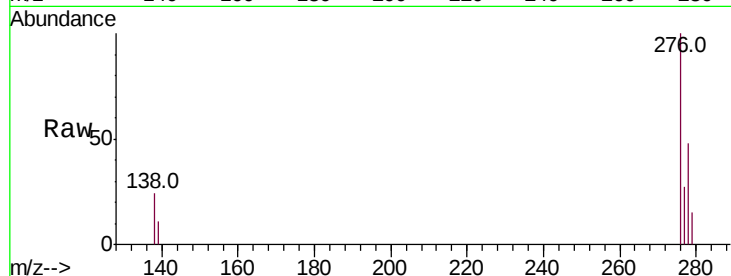
Tot Ion:276 Resp: 5829

Ion Ratio Lower Upper

276 100

138 20.1 22.5 33.7#

277 23.2 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

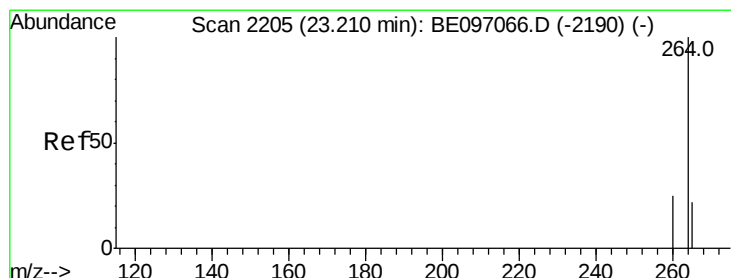
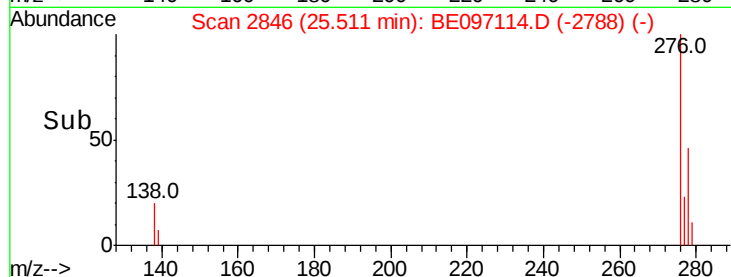
25.51

1000

500

0

Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

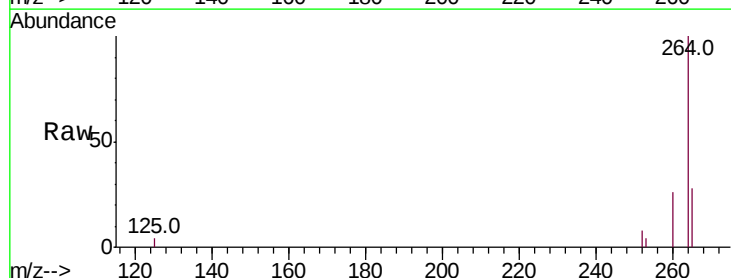
Tgt Ion:264 Resp: 5501

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 27.7 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

23.21

3000

2500

2000

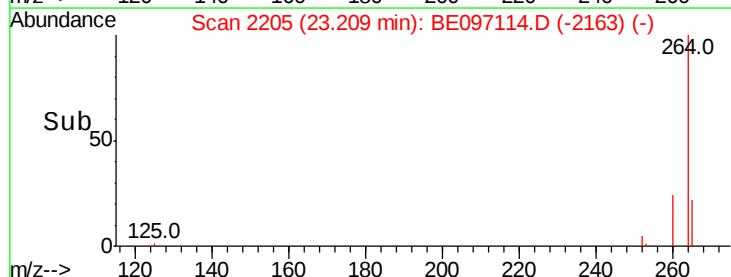
1500

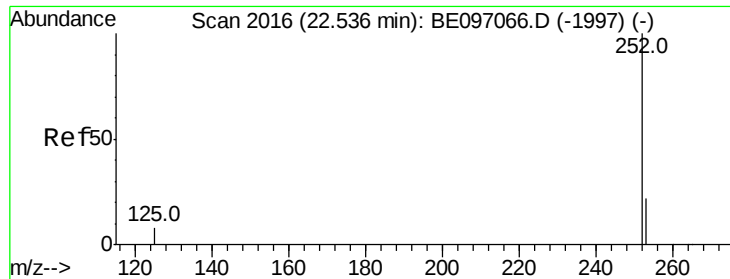
1000

500

0

Time-->

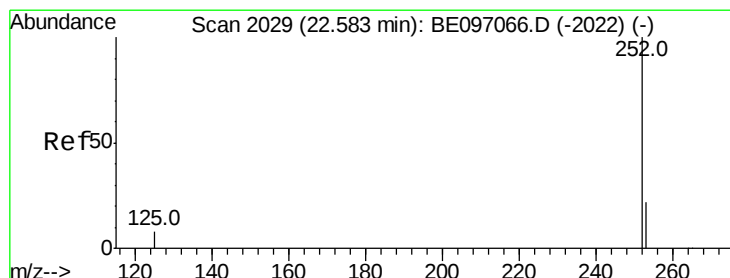
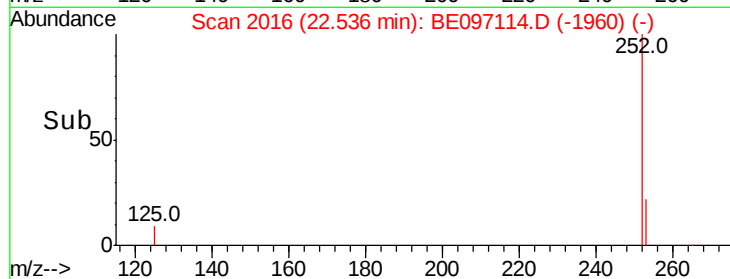
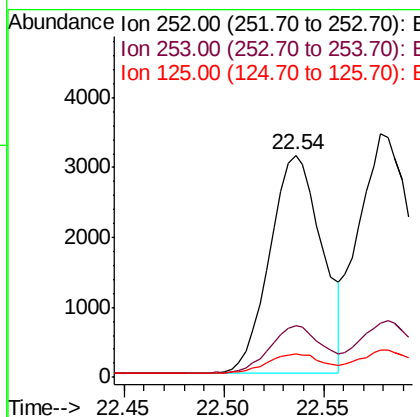
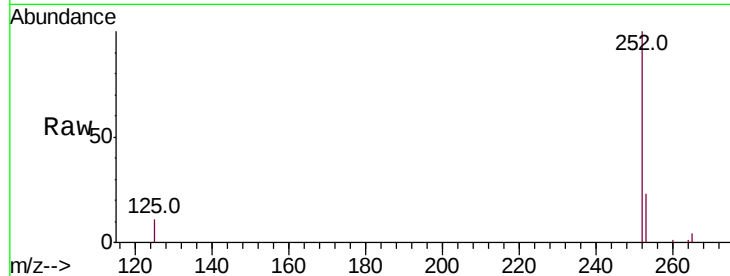




#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

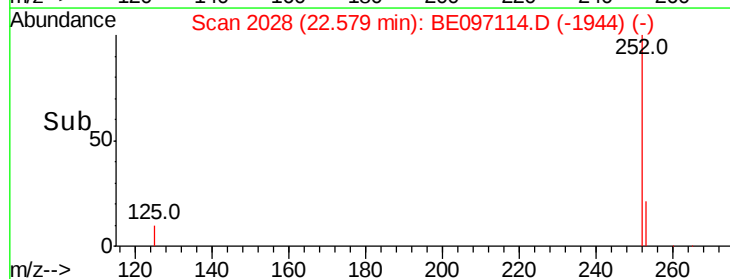
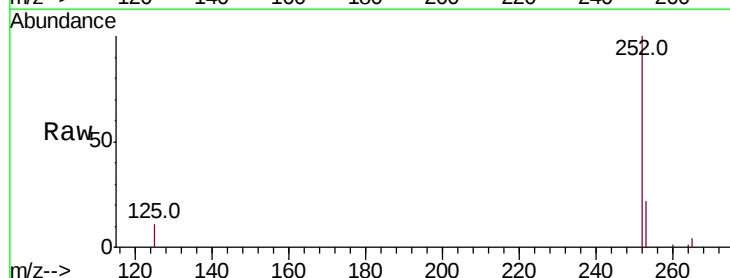
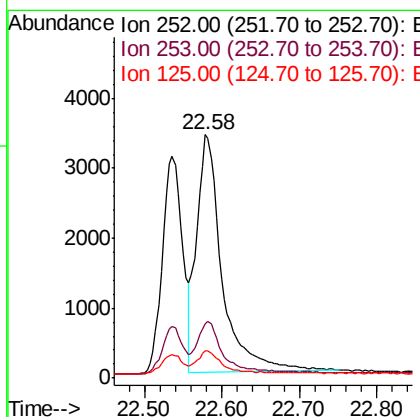
Instrument :
BNA_E
ClientSampleId :
PB111580BS

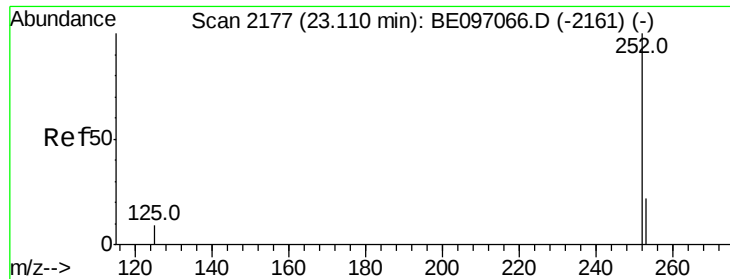
Tot Ion:252 Resp: 5683
Ion Ratio Lower Upper
252 100
253 23.5 20.0 30.0
125 10.7 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.481 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:252 Resp: 7842
Ion Ratio Lower Upper
252 100
253 22.3 16.0 24.0
125 11.3 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.422 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

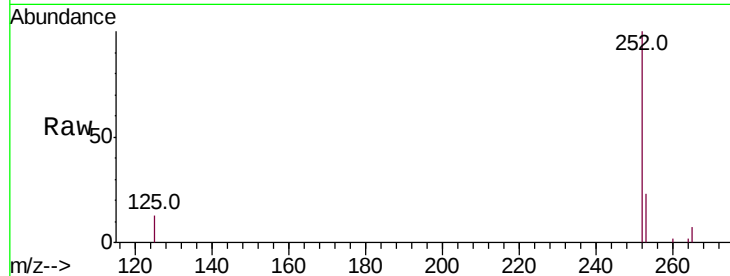
Tot Ion:252 Resp: 5538

Ion Ratio Lower Upper

252 100

253 23.4 16.0 24.0

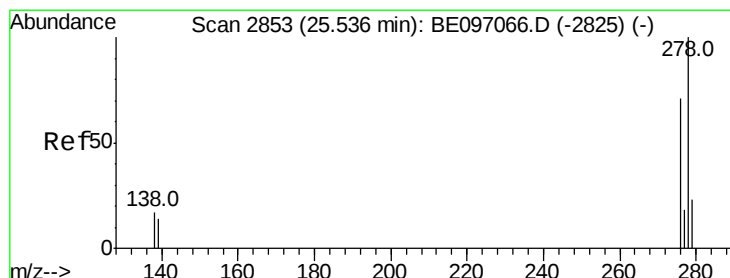
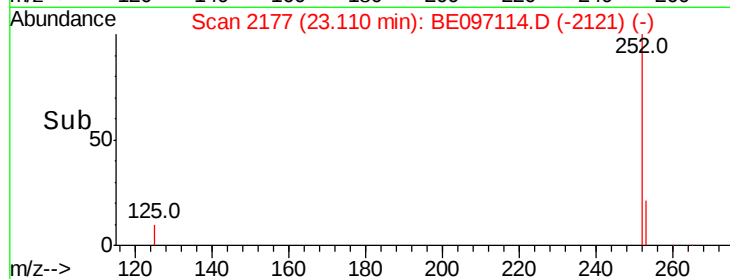
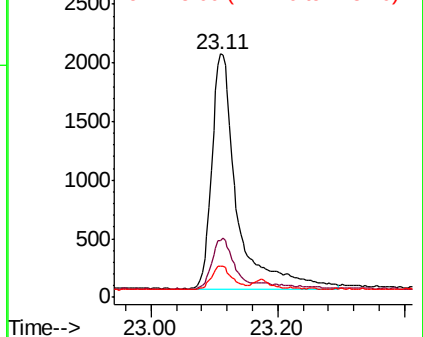
125 12.6 12.0 18.0



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: 0.356 ng

RT: 25.54 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

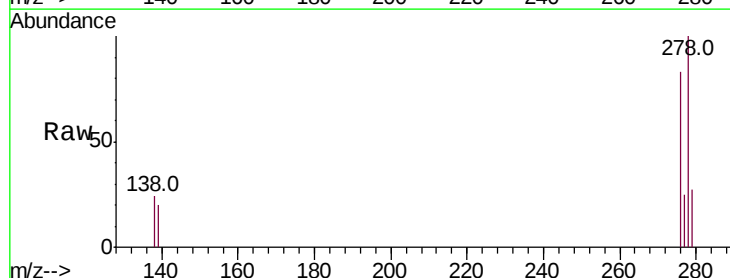
Tgt Ion:278 Resp: 4662

Ion Ratio Lower Upper

278 100

139 19.8 16.0 24.0

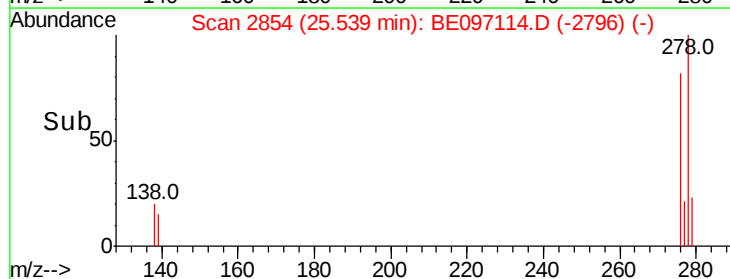
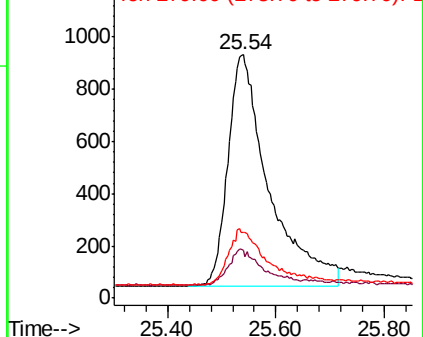
279 27.0 20.0 30.0

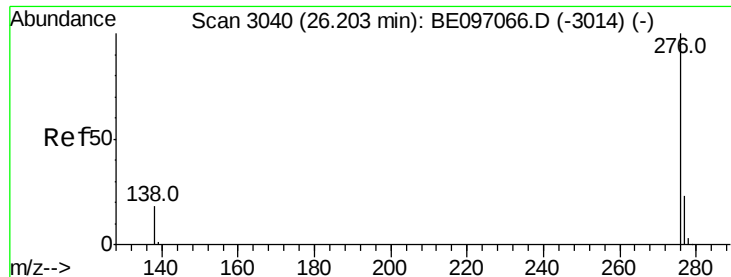


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.400 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE097114.D

Acq: 31 Jul 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB111580BS

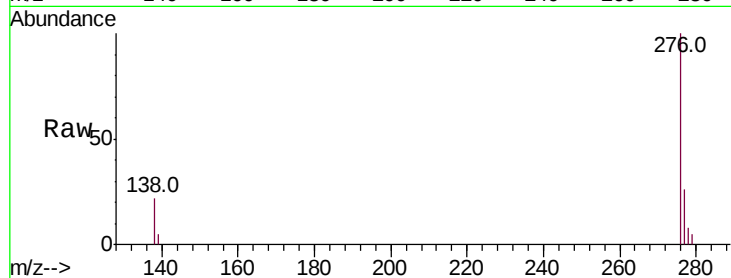
Tot Ion: 276 Resp: 5560

Ion Ratio Lower Upper

276 100

277 25.8 16.0 24.0#

138 22.3 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

