

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097613.D
 Acq On : 21 Sep 2018 16:02
 Operator : SJ/JU
 Sample : PB112956BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112956BS

Quant Time: Sep 22 04:08:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1071	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4578	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2245	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5274	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7262	0.40	ng	0.00
34) Perylene-d12	23.20	264	7597	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1230	0.38	ng	0.01
5) Phenol-d6	6.62	99	1364	0.33	ng	0.01
8) Nitrobenzene-d5	8.53	82	1330	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3342	0.53	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	215	0.29	ng	0.01
15) 2-Fluorobiphenyl	12.62	172	3692	0.47	ng	0.00
25) Fluoranthene-d10	18.80	212	25292	0.37	ng	0.00
29) Terphenyl-d14	19.42	244	4551	0.34	ng	0.00

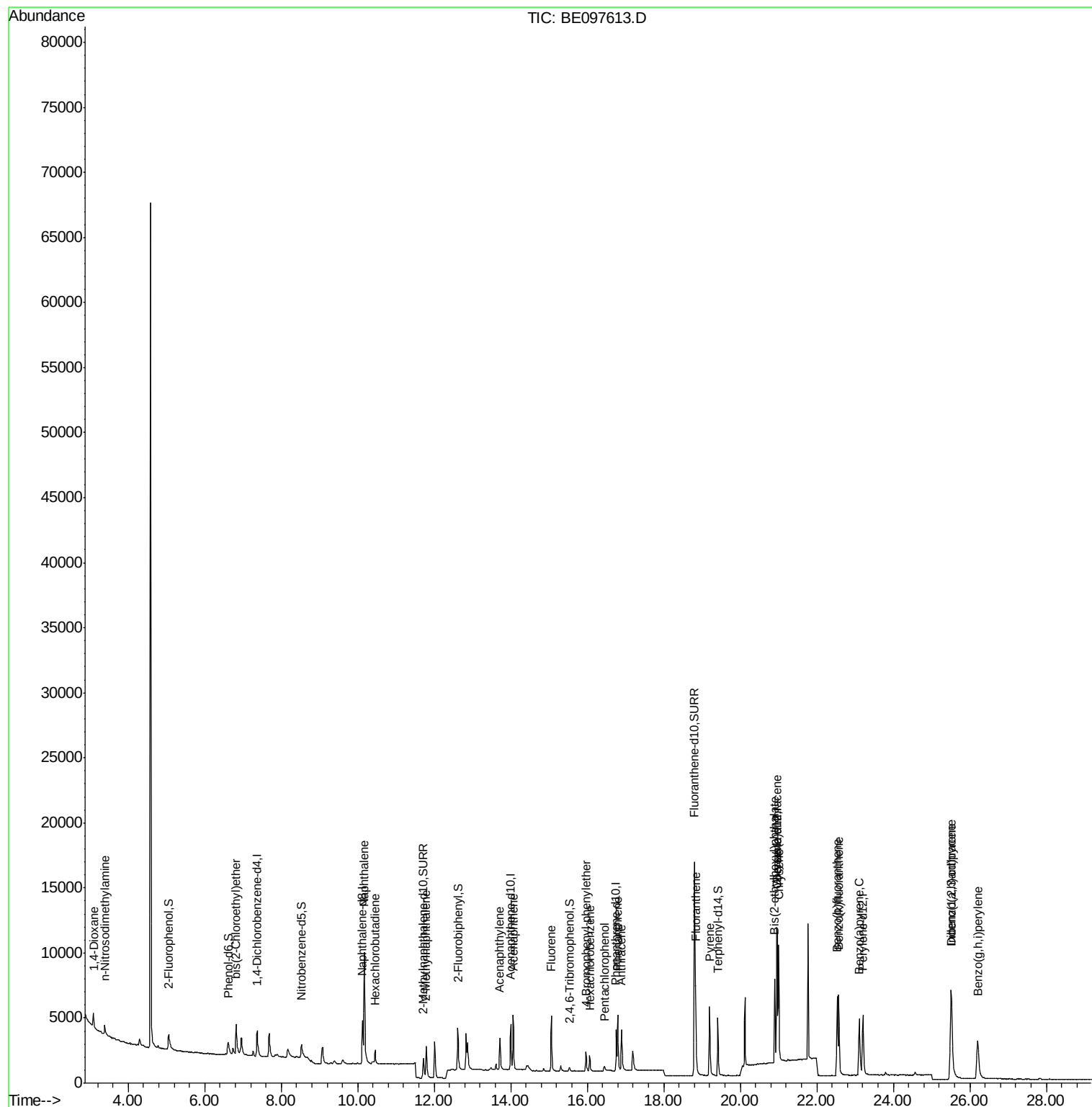
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	589	0.313	ng	# 74
3) n-Nitrosodimethylamine	3.38	42	552	0.357	ng	# 86
6) bis(2-Chloroethyl)ether	6.82	93	1267	0.333	ng	82
9) Naphthalene	10.17	128	16947	0.411	ng	99
10) Hexachlorobutadiene	10.46	225	712	0.375	ng	96
12) 2-Methylnaphthalene	11.80	142	2507	0.390	ng	100
16) Acenaphthylene	13.71	152	3385	0.381	ng	99
17) Acenaphthene	14.06	154	2298	0.386	ng	95
18) Fluorene	15.06	166	2921	0.377	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	901	0.379	ng	# 80
21) Hexachlorobenzene	16.07	284	1071	0.410	ng	# 84
22) Pentachlorophenol	16.45	266	347	0.426	ng	# 81
23) Phenanthrene	16.80	178	4924	0.393	ng	98
24) Anthracene	16.89	178	4246	0.384	ng	96
26) Fluoranthene	18.83	202	6129	0.353	ng	98
28) Pyrene	19.20	202	6229	0.377	ng	99
30) Benzo(a)anthracene	20.96	228	7214	0.395	ng	96
31) Chrysene	21.00	228	8067	0.411	ng	100
32) Bis(2-ethylhexyl)phthalate	20.89	149	8088	0.274	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	10438	0.442	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	7931	0.407	ng	# 89
36) Benzo(k)fluoranthene	22.57	252	9161	0.412	ng	94
37) Benzo(a)pyrene	23.11	252	8053	0.425	ng	# 91
38) Dibenzo(a,h)anthracene	25.52	278	8618	0.422	ng	# 94
39) Benzo(g,h,i)perylene	26.21	276	8603	0.433	ng	# 90

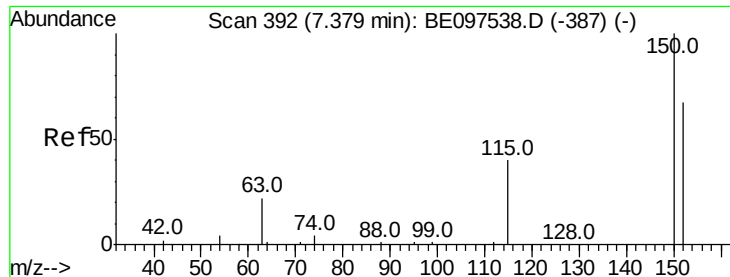
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.38 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

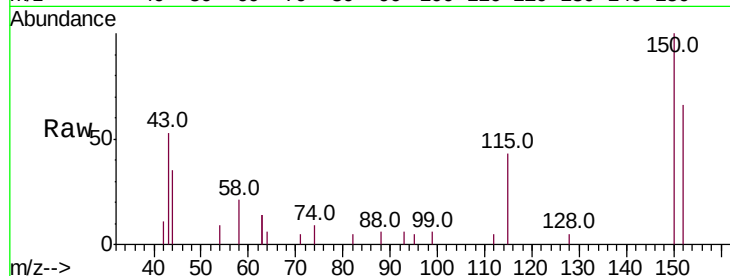
Tot Ion:152 Resp: 1071

Ion Ratio Lower Upper

152 100

150 150.9 117.2 175.8

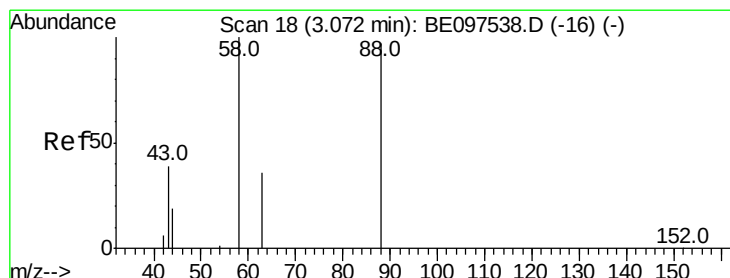
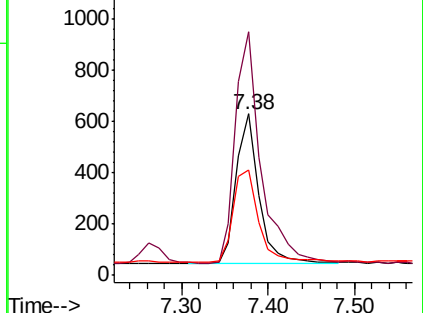
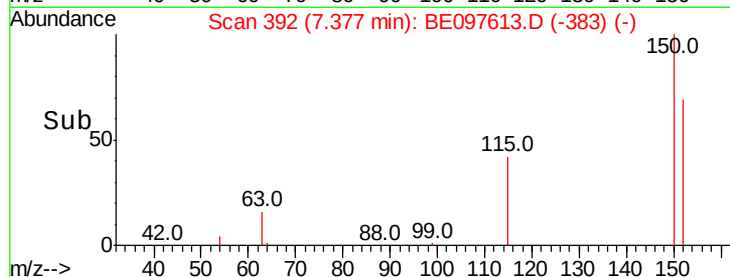
115 65.0 57.0 85.6



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: 0.313 ng

RT: 3.09 min Scan# 20

Delta R.T. 0.02 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

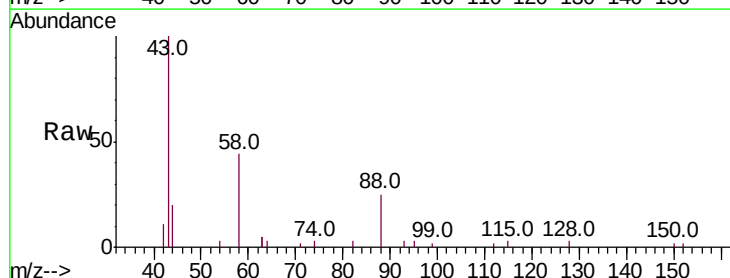
Tgt Ion: 88 Resp: 589

Ion Ratio Lower Upper

88 100

58 85.6 63.2 94.8

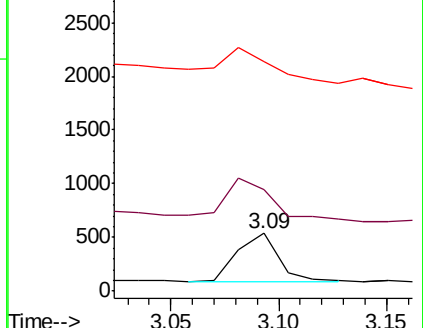
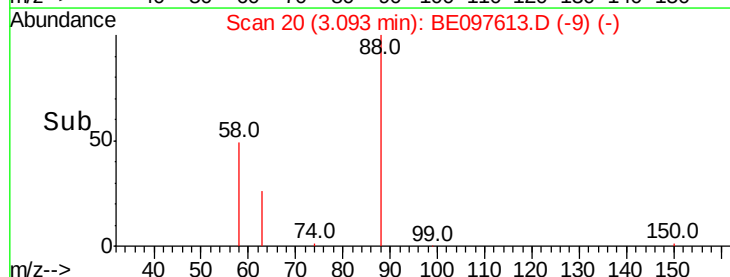
43 89.8 41.2 61.8#

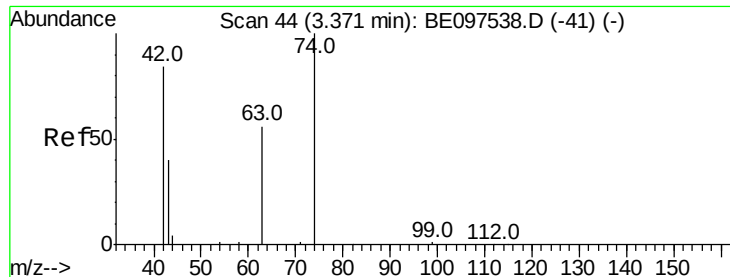


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.357 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

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PB112956BS

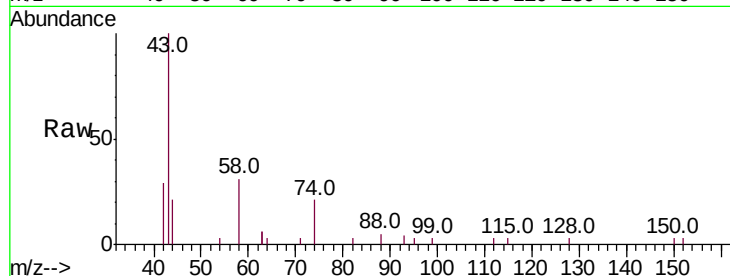
Tot Ion: 42 Resp: 552

Ion Ratio Lower Upper

42 100

74 136.8 96.0 144.0

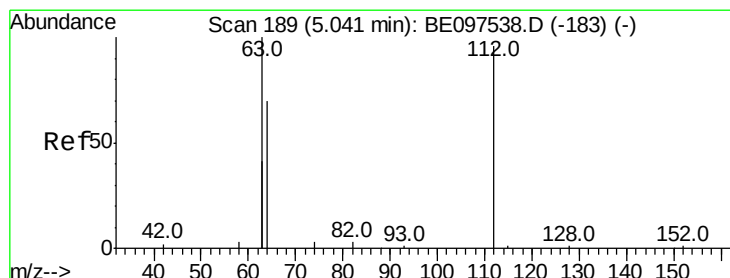
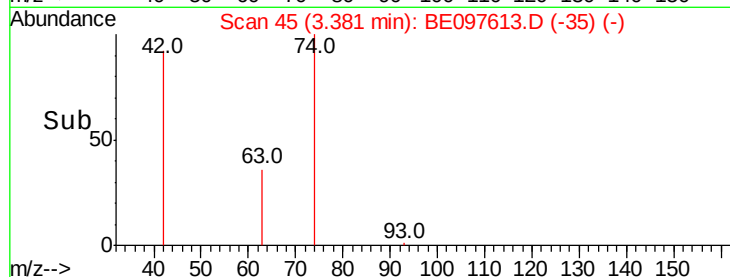
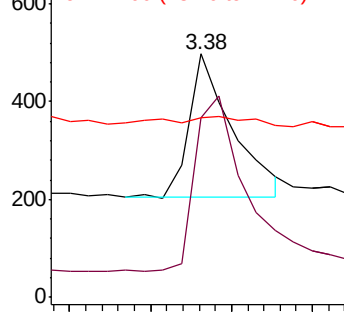
44 11.8 12.0 18.0#



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: 0.383 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

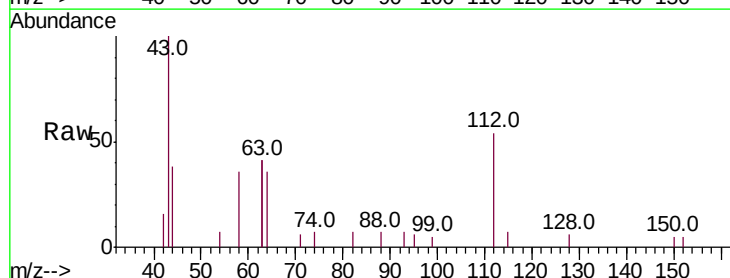
Tgt Ion: 112 Resp: 1230

Ion Ratio Lower Upper

112 100

64 66.9 60.1 90.1

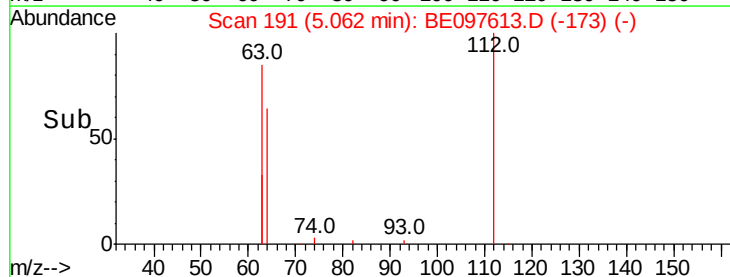
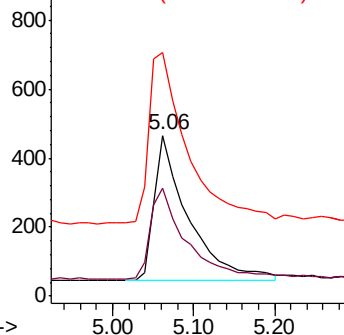
63 137.7 116.8 175.2

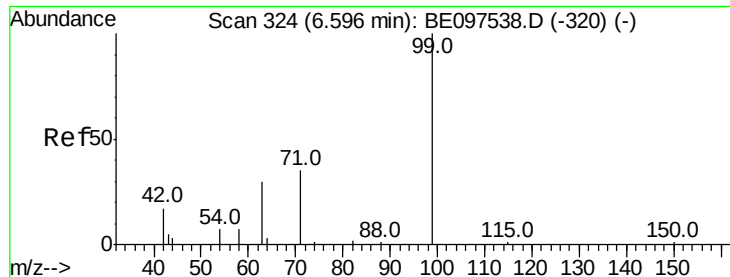


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.332 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.01 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

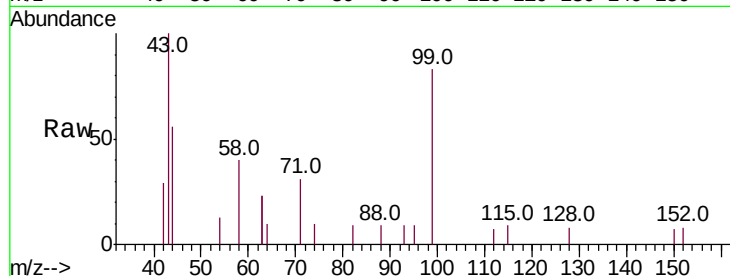
Tot Ion: 99 Resp: 1364

Ion Ratio Lower Upper

99 100

42 21.6 20.2 30.2

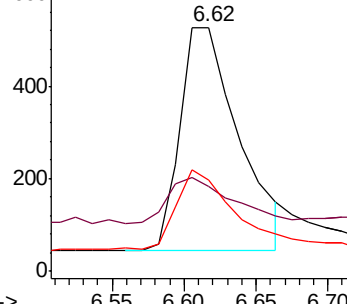
71 34.5 28.4 42.6



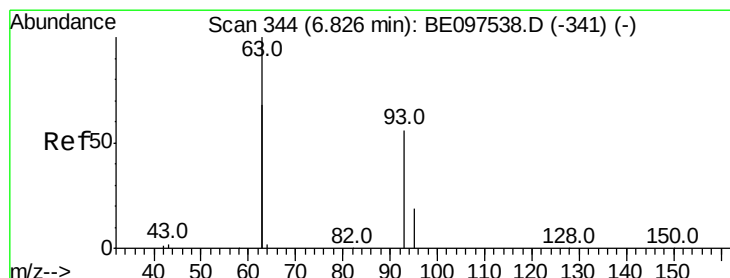
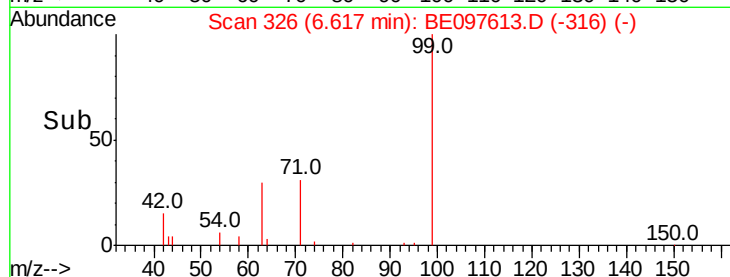
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.333 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

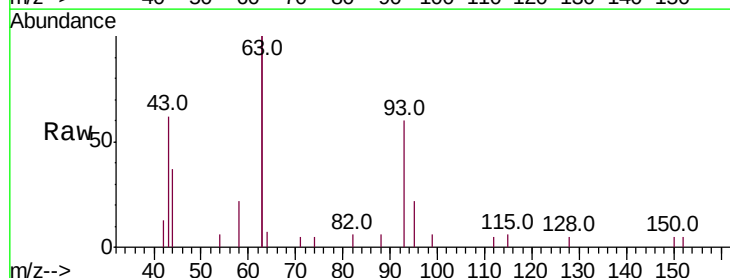
Tgt Ion: 93 Resp: 1267

Ion Ratio Lower Upper

93 100

63 301.5 275.3 412.9

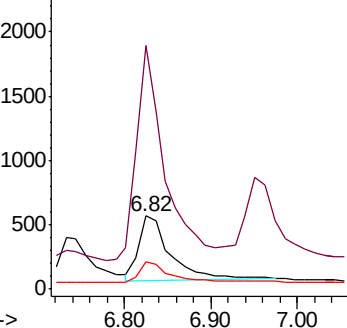
95 33.5 25.2 37.8



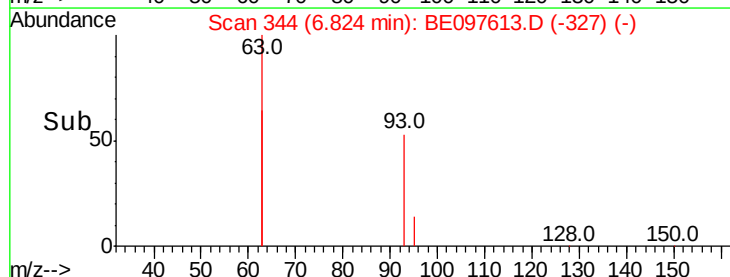
Abundance Ion 93.00 (92.70 to 93.70): BE0

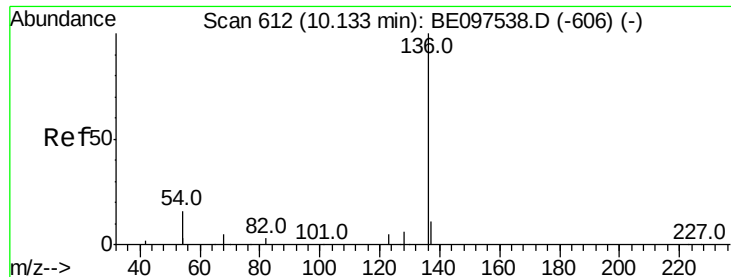
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

Tot Ion:136 Resp: 4578

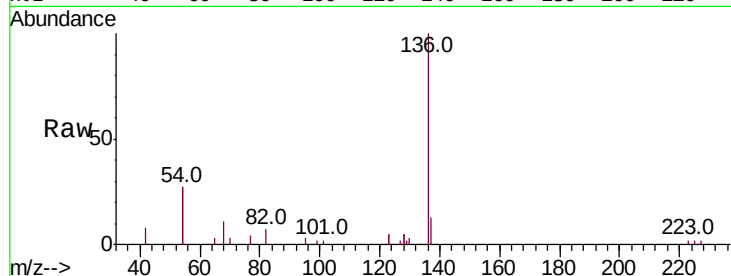
Ion Ratio Lower Upper

136 100

137 13.2 9.5 14.3

54 53.5 29.1 43.7#

68 10.8 6.2 9.2#



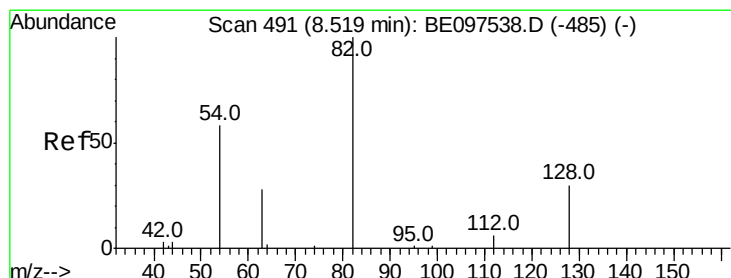
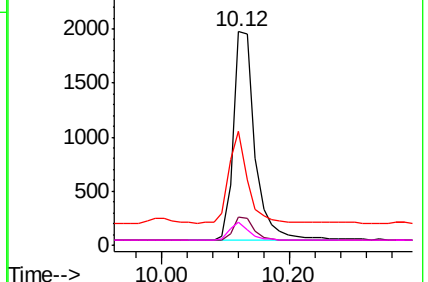
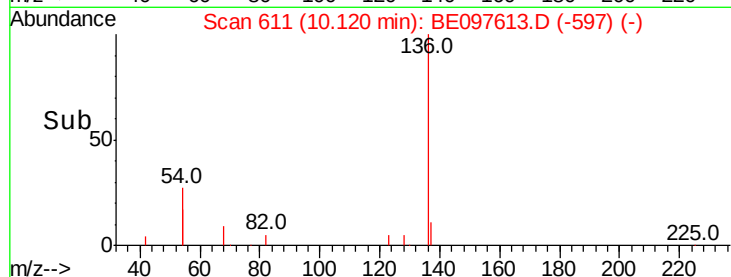
Abundance

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: 0.376 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

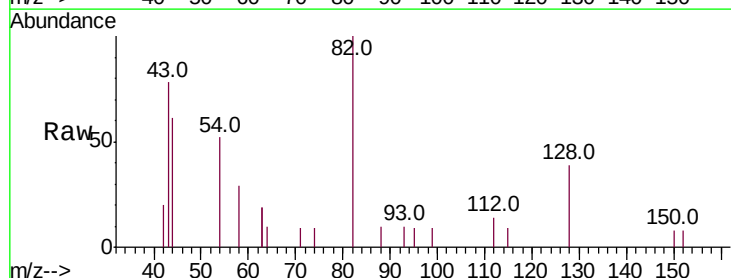
Tgt Ion: 82 Resp: 1330

Ion Ratio Lower Upper

82 100

128 38.8 24.0 36.0#

54 52.4 40.0 60.0

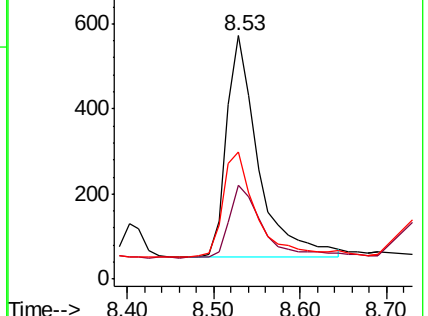
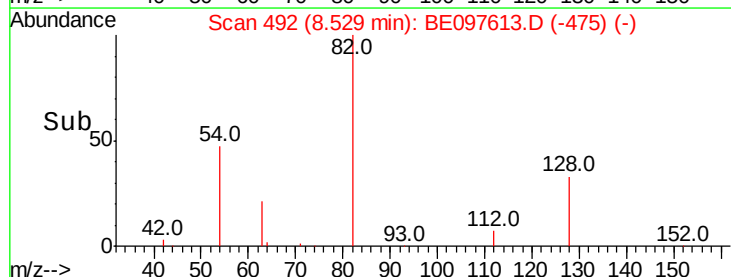


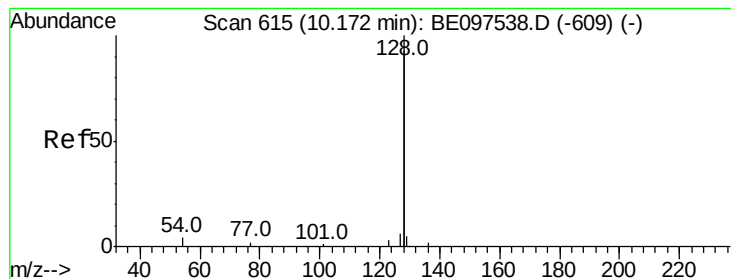
Abundance

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: 0.411 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

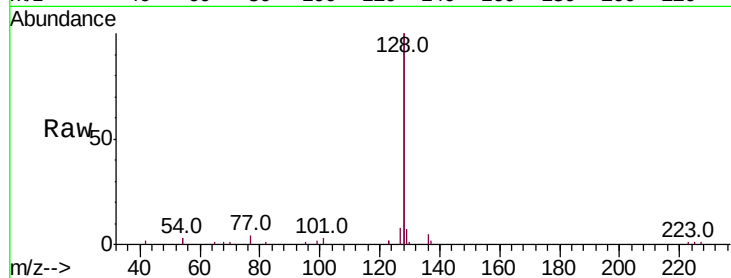
Tot Ion:128 Resp: 16947

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

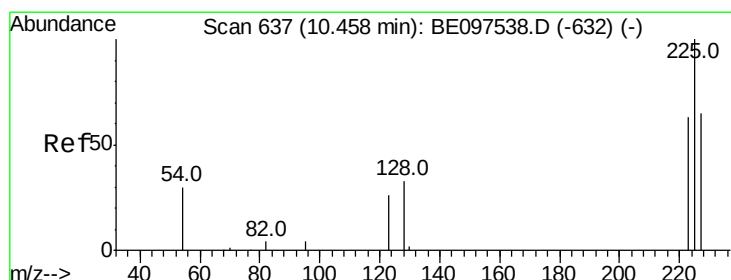
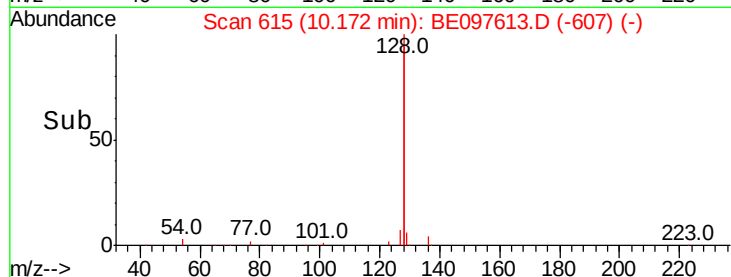
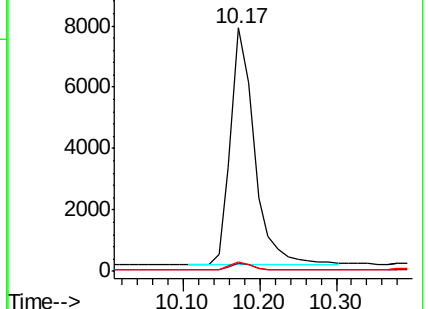
127 3.9 2.8 4.2



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: 0.375 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

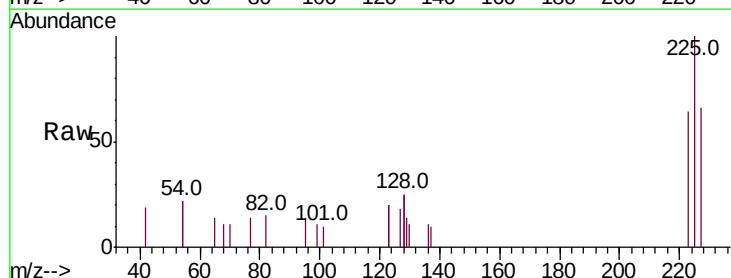
Tgt Ion:225 Resp: 712

Ion Ratio Lower Upper

225 100

223 62.1 53.0 79.6

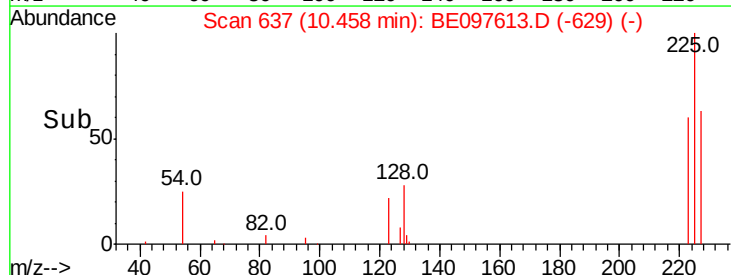
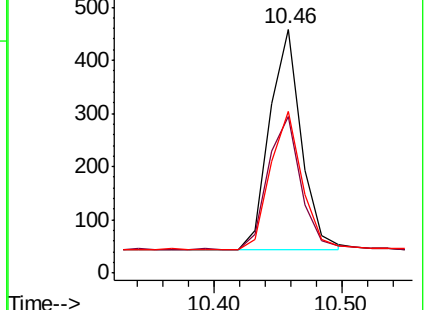
227 62.2 51.4 77.2

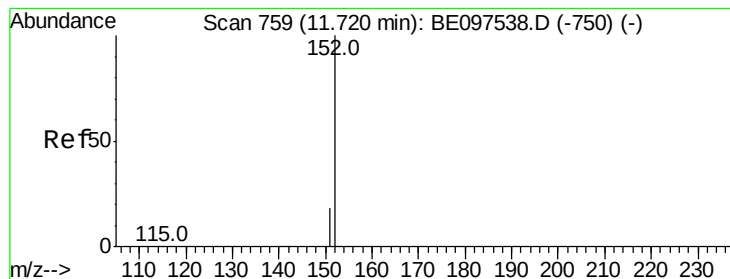


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.530 ng

RT: 11.72 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

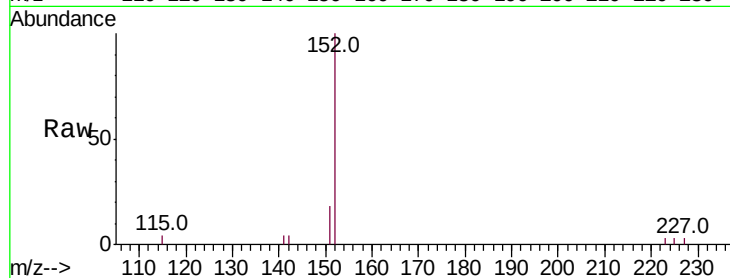
PB112956BS

Tot Ion:152 Resp: 3342

Ion Ratio Lower Upper

152 100

151 14.2 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

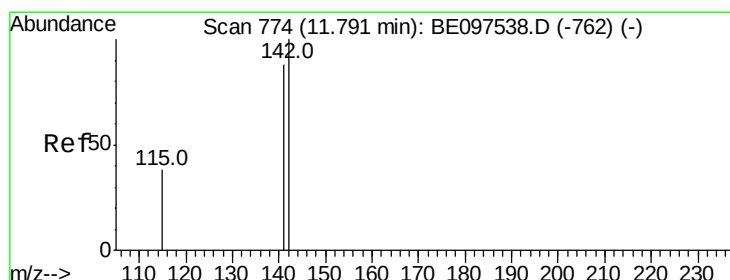
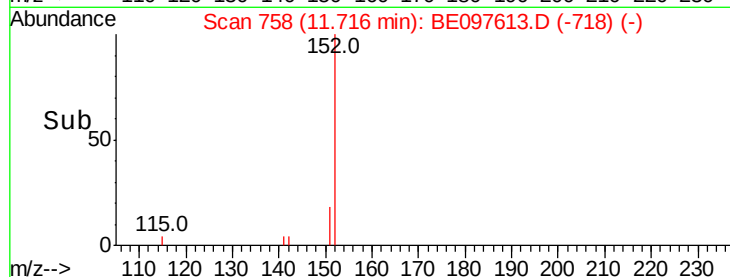
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.390 ng

RT: 11.80 min Scan# 775

Delta R.T. 0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

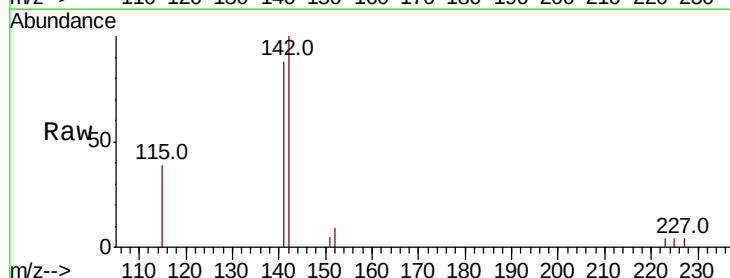
Tgt Ion:142 Resp: 2507

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

115 39.4 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

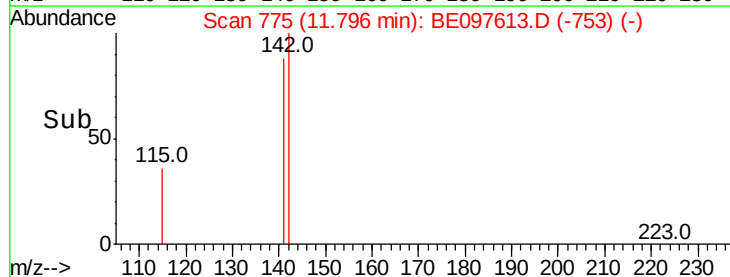
1500

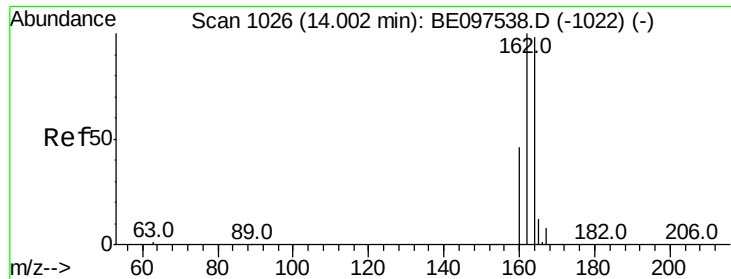
1000

500

0

Time-->

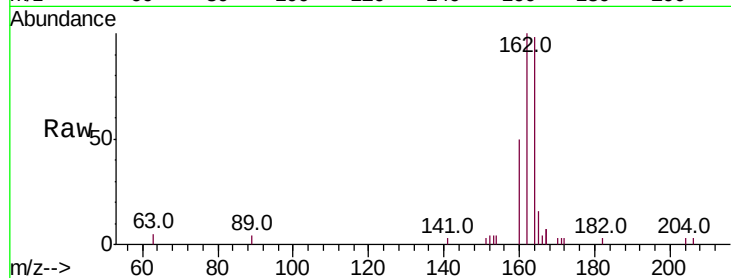




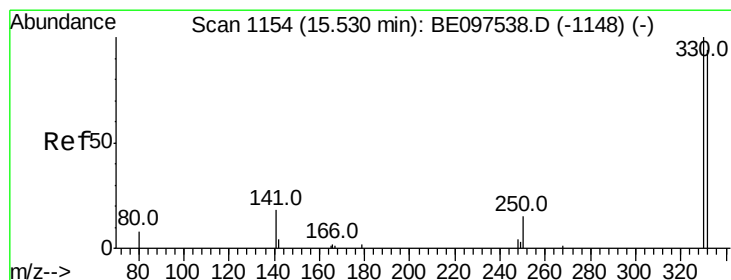
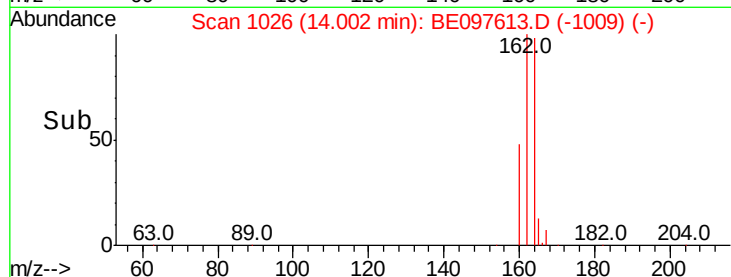
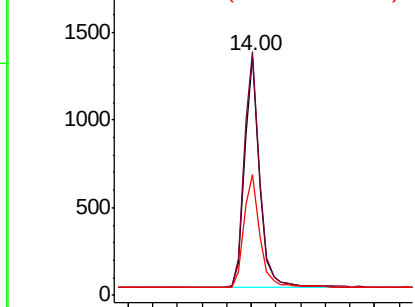
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE097613.D
 Acq: 21 Sep 2018 16:02

Instrument :
 BNA_E
 ClientSampleId :
 PB112956BS

Tot Ion:164 Resp: 2245
 Ion Ratio Lower Upper
 164 100
 162 101.9 83.1 124.7
 160 50.8 37.1 55.7

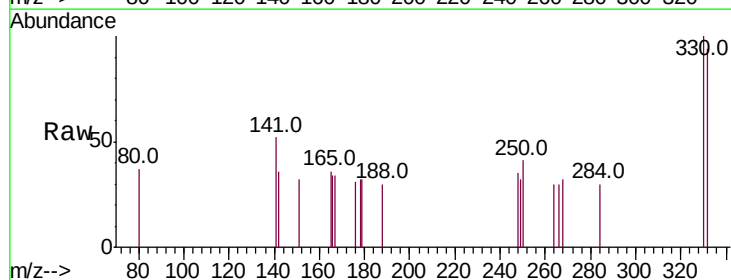


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

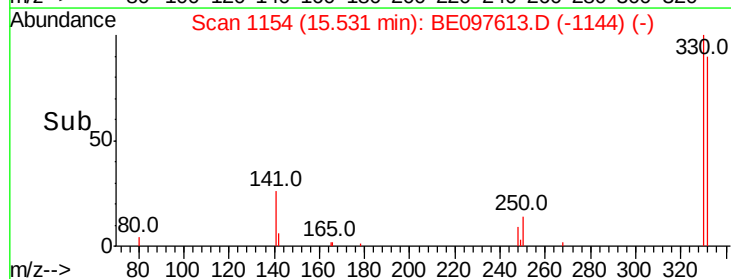
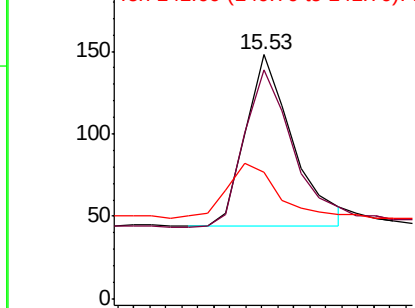


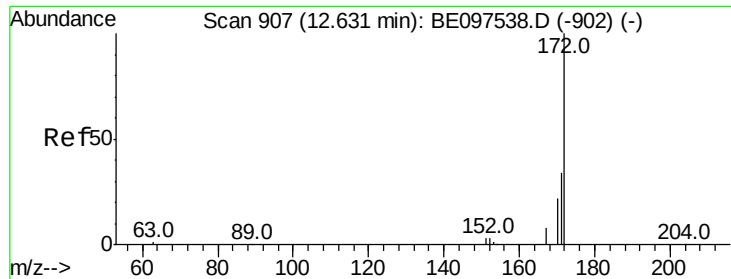
#14
 2,4,6-Tribromophenol
 Concen: 0.293 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE097613.D
 Acq: 21 Sep 2018 16:02

Tgt Ion:330 Resp: 215
 Ion Ratio Lower Upper
 330 100
 332 96.7 152.7 229.1#
 141 34.0 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

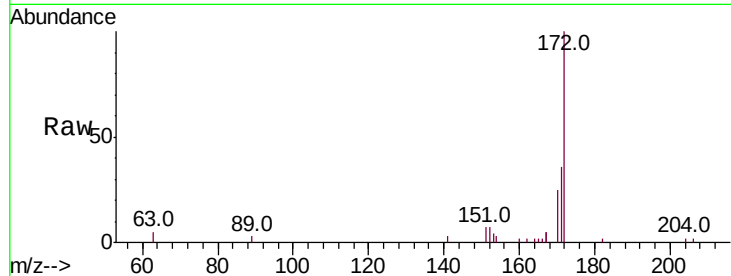




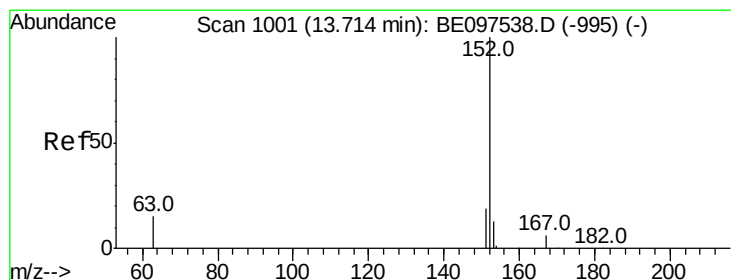
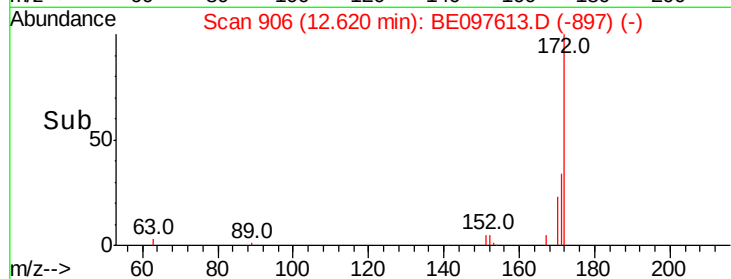
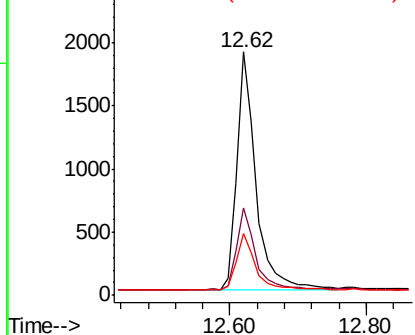
#15
2-Fluorobiphenyl
Concen: 0.465 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tot Ion:172 Resp: 3692
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 25.3 21.8 32.8

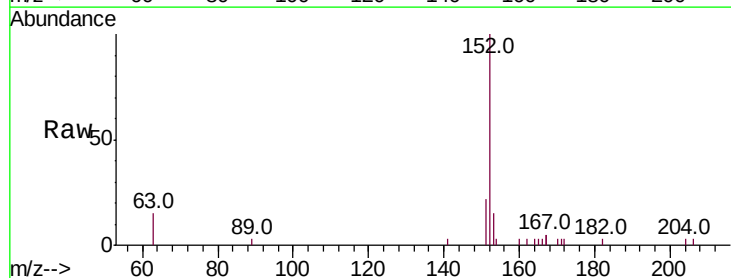


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

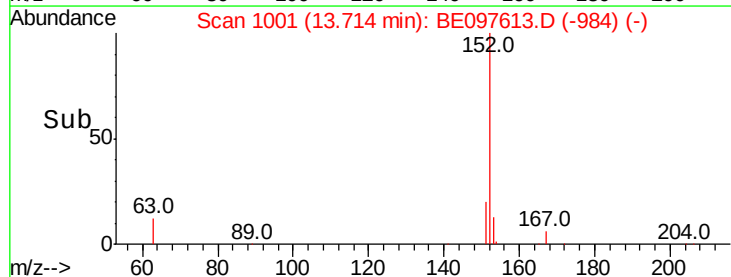
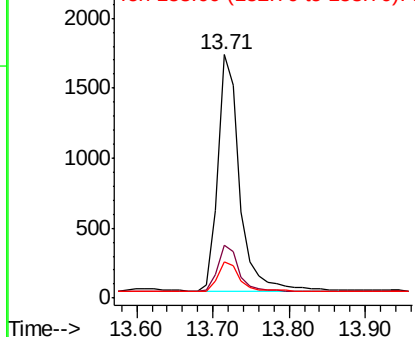


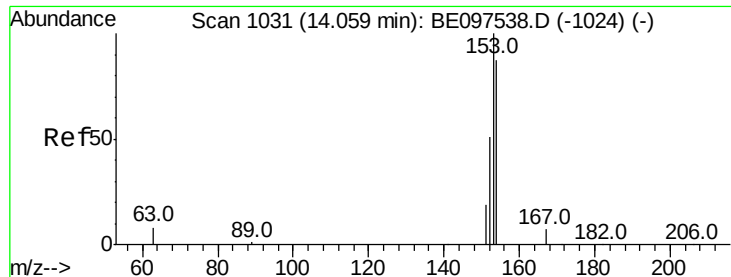
#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:152 Resp: 3385
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.4 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: 0.386 ng

RT: 14.06 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

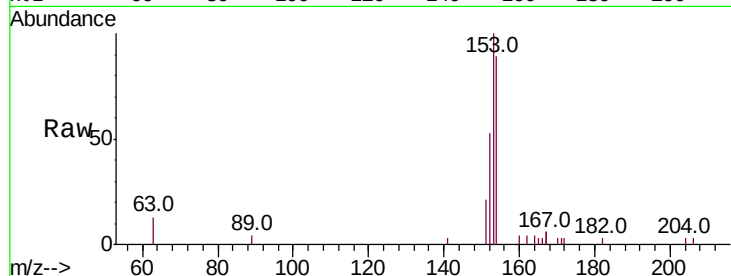
Tot Ion:154 Resp: 2298

Ion Ratio Lower Upper

154 100

153 114.9 89.2 133.8

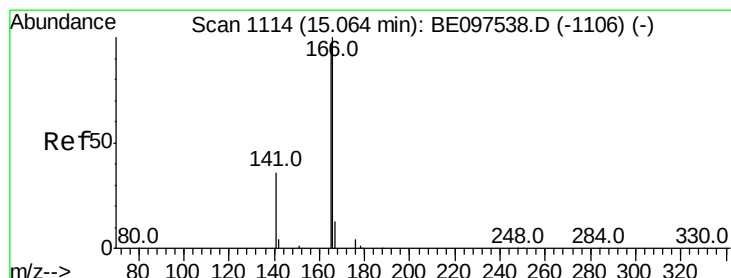
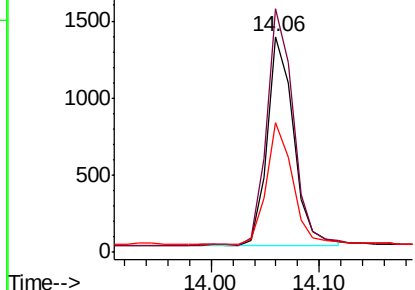
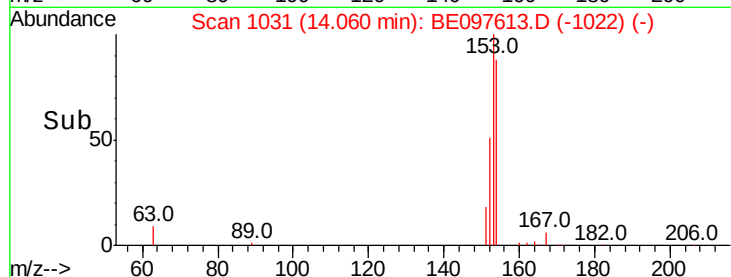
152 58.7 42.0 63.0



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: 0.377 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

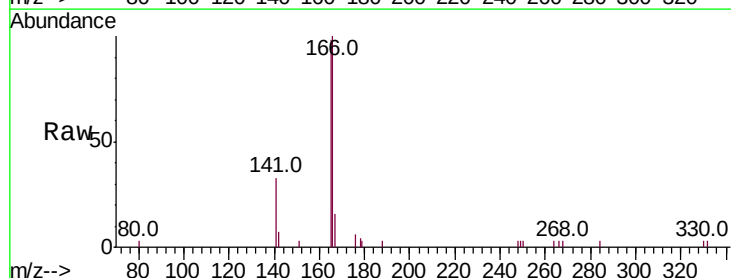
Tgt Ion:166 Resp: 2921

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.6

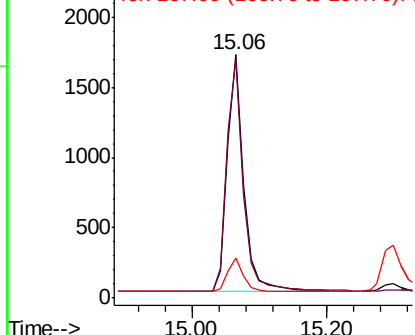
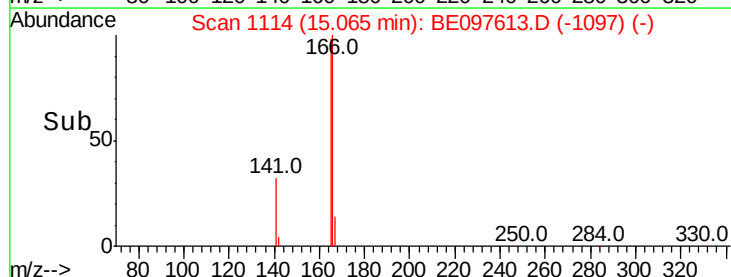
167 13.7 42.4 63.6#

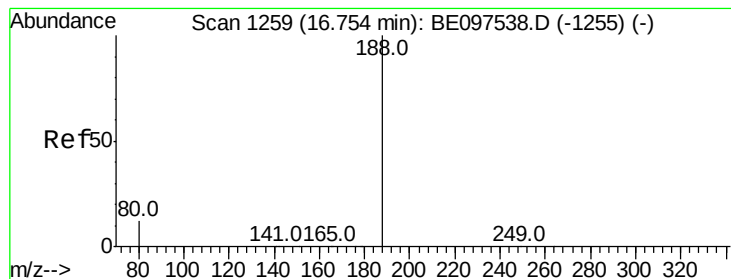


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.75 min Scan# 1259

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

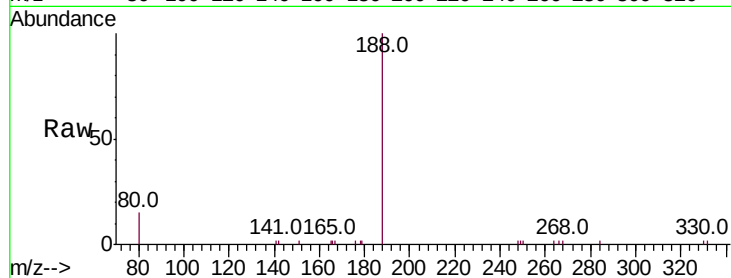
Tot Ion:188 Resp: 5274

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

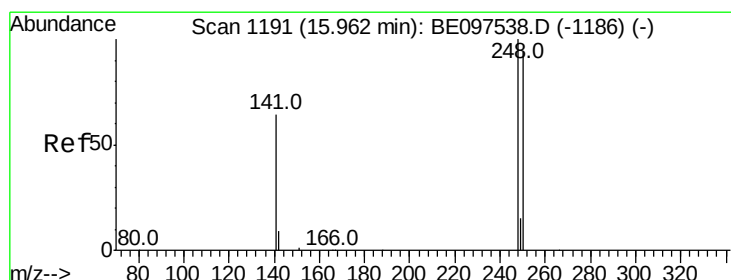
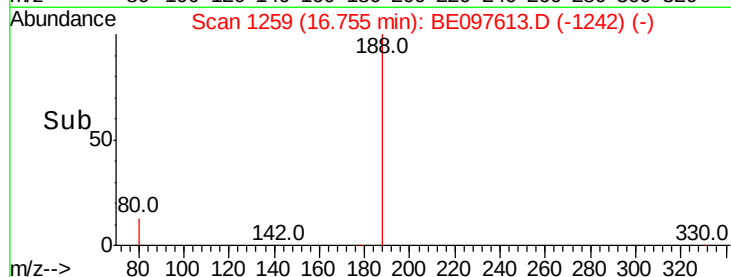
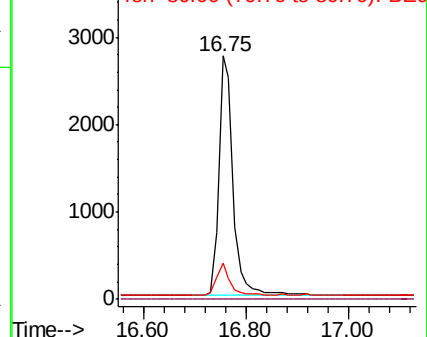
80 15.1 3.6 5.4#



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: 0.379 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

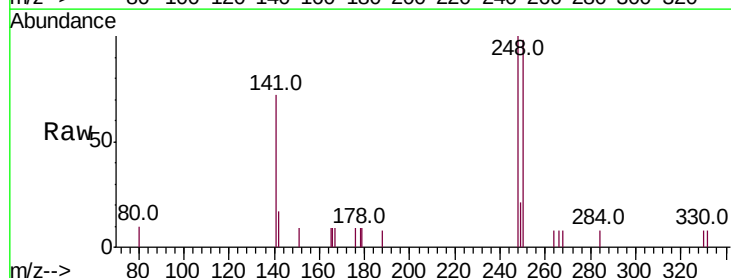
Tgt Ion:248 Resp: 901

Ion Ratio Lower Upper

248 100

250 97.9 62.7 94.1#

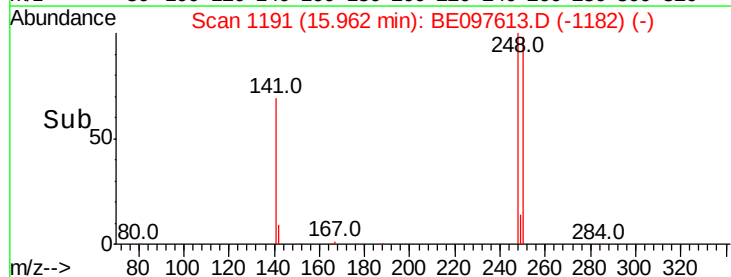
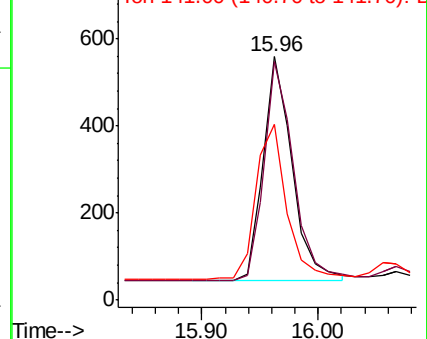
141 72.3 48.2 72.2#

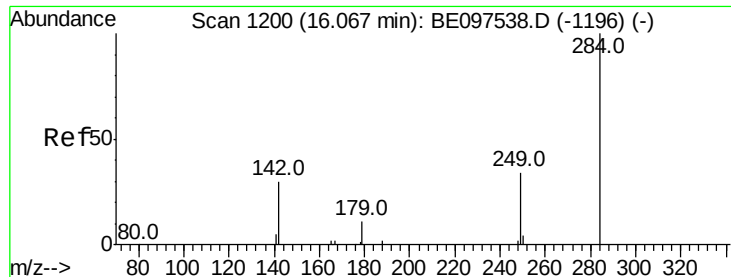


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

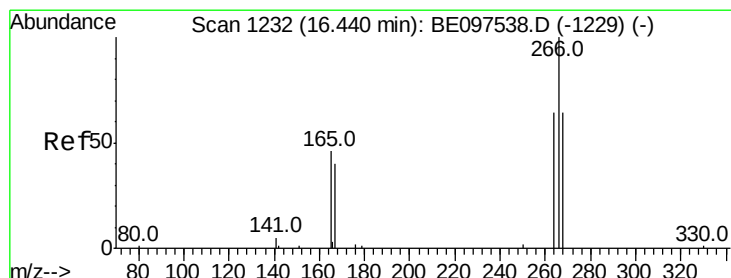
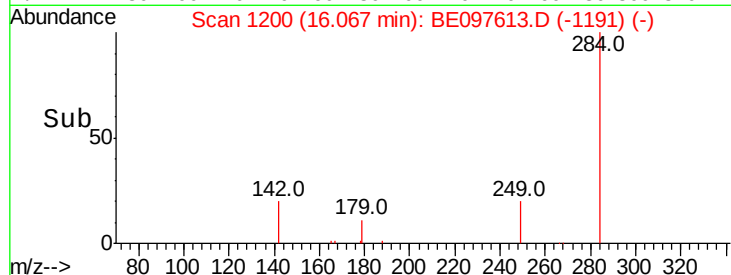
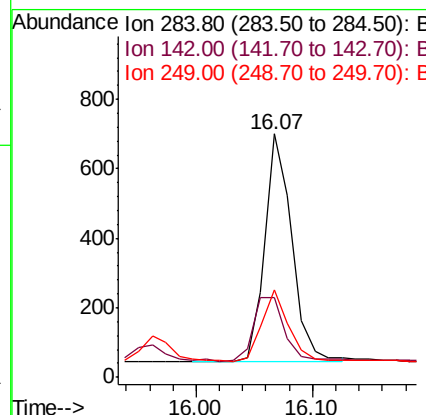
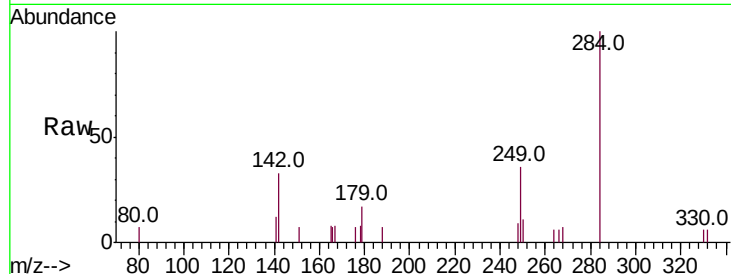




#21
 Hexachlorobenzene
 Concen: 0.410 ng
 RT: 16.07 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BE097613.D
 Acq: 21 Sep 2018 16:02

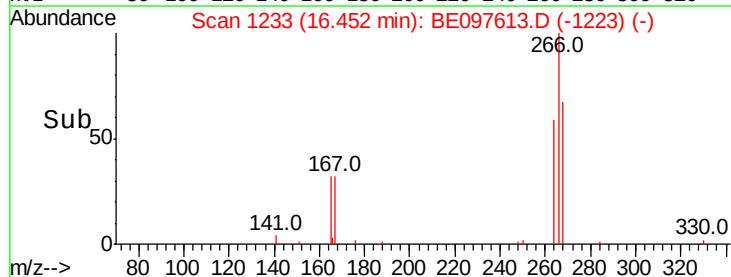
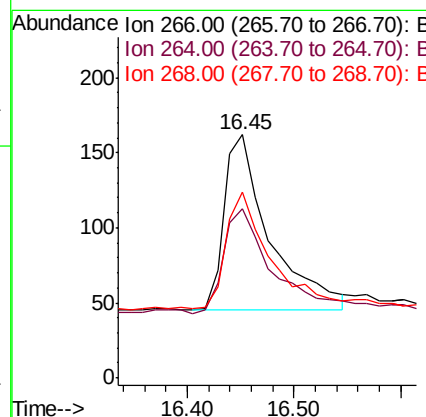
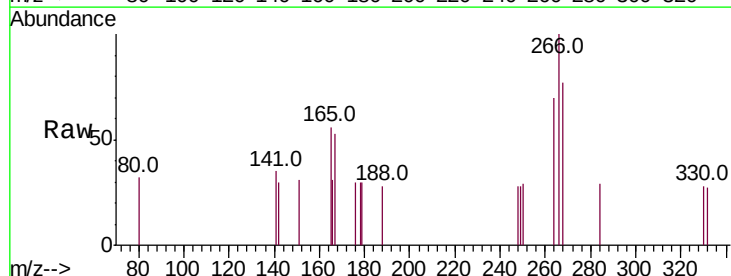
Instrument :
 BNA_E
 ClientSampleId :
 PB112956BS

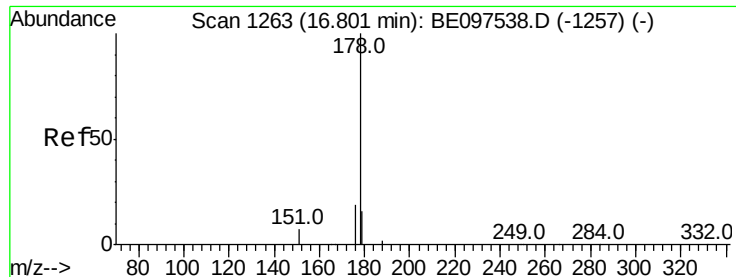
Tot Ion:	284	Resp:	1071
Ion	Ratio	Lower	Upper
284	100		
142	32.2	22.1	33.1
249	30.2	34.8	52.2#



#22
 Pentachlorophenol
 Concen: 0.426 ng
 RT: 16.45 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE097613.D
 Acq: 21 Sep 2018 16:02

Tgt Ion:	266	Resp:	347
Ion	Ratio	Lower	Upper
266	100		
264	69.8	72.5	108.7#
268	76.5	73.8	110.6





#23

Phenanthrene

Concen: 0.393 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

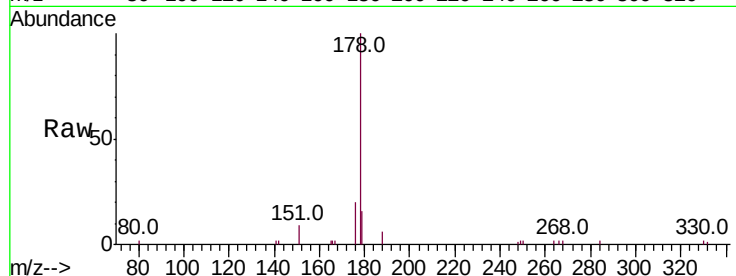
BNA_E

ClientSampleId :

PB112956BS

Tot Ion:178 Resp: 4924

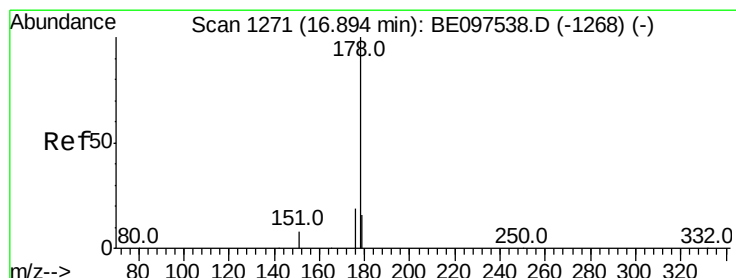
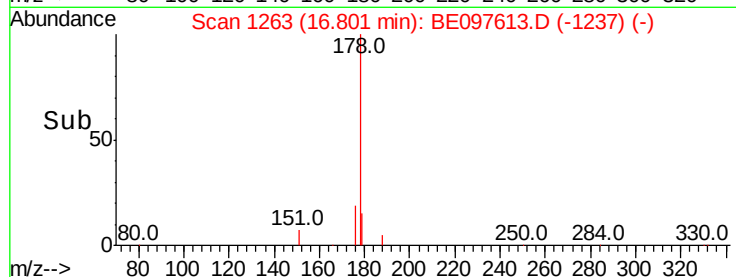
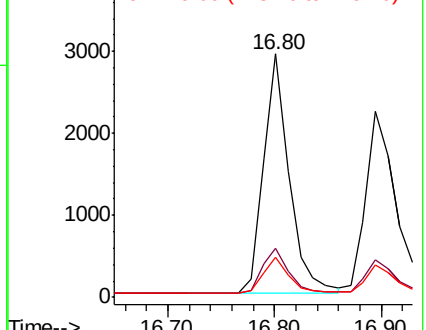
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.6	11.8	17.6



Abundance Ion 178.00 (177.70 to 178.70): E

4000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.384 ng

RT: 16.89 min Scan# 1271

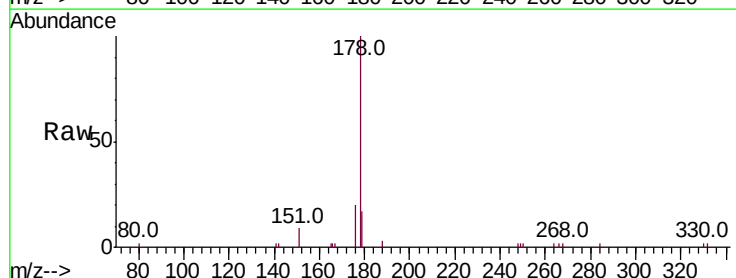
Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Tgt Ion:178 Resp: 4246

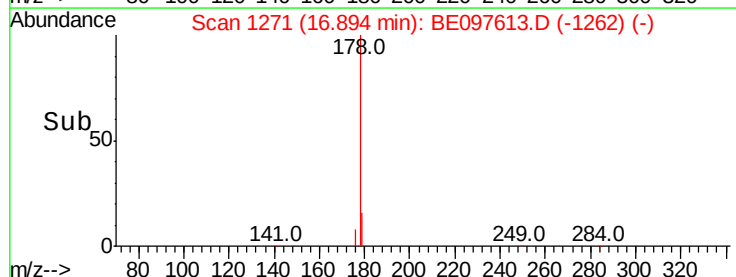
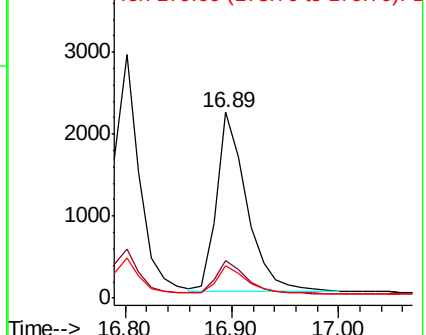
Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.3	13.0	19.6

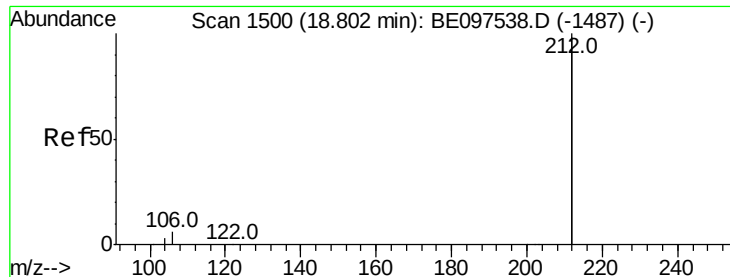


Abundance Ion 178.00 (177.70 to 178.70): E

4000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

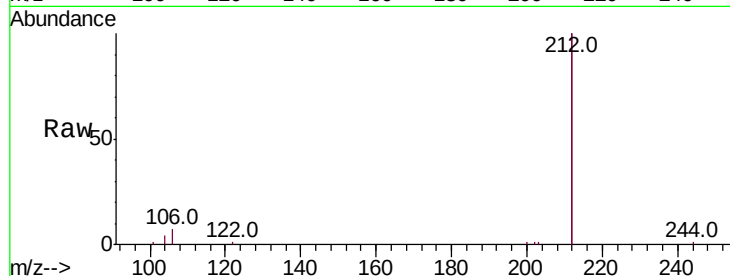
Tot Ion:212 Resp: 25292

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

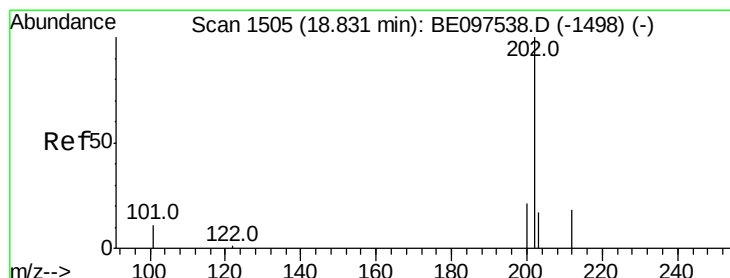
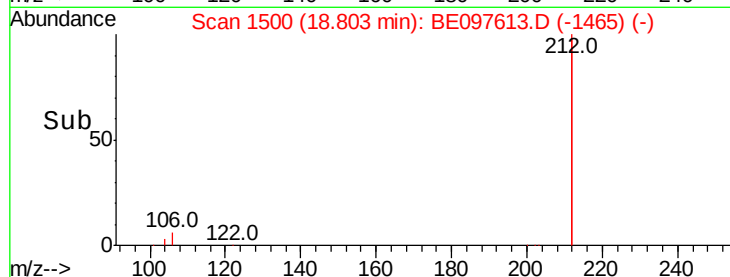
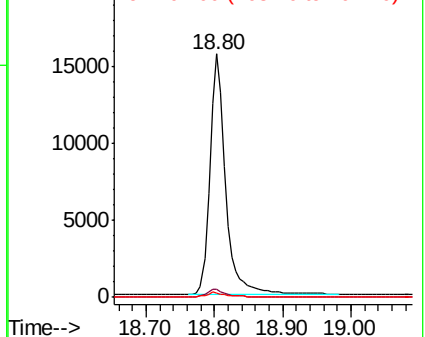
104 1.8 1.6 2.4



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: 0.353 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

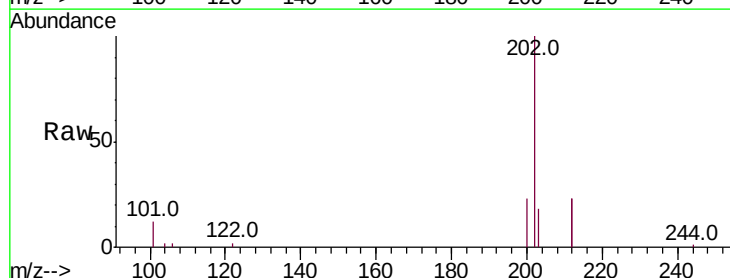
Tgt Ion:202 Resp: 6129

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

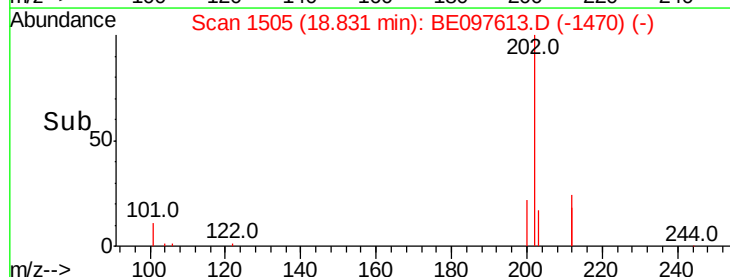
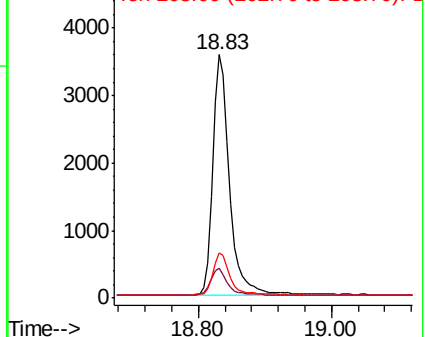
203 17.3 13.7 20.5

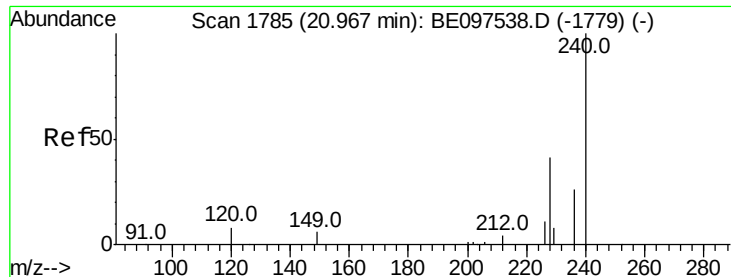


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

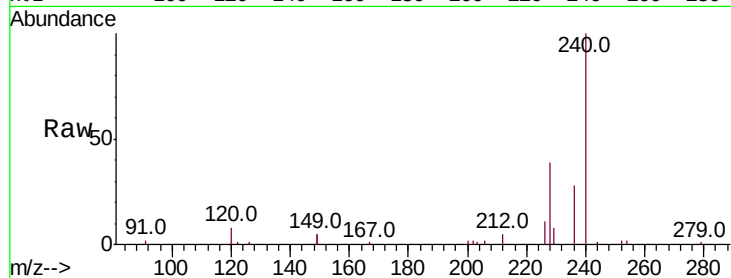




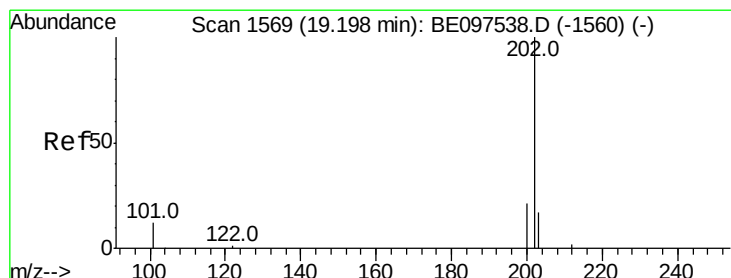
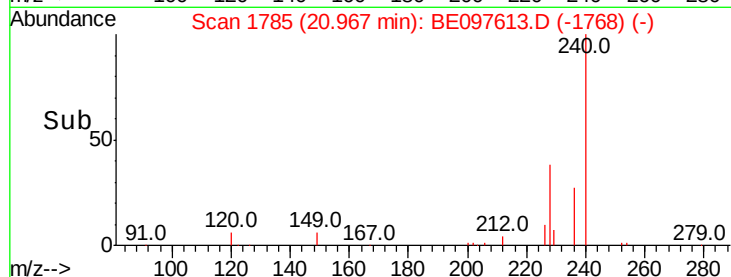
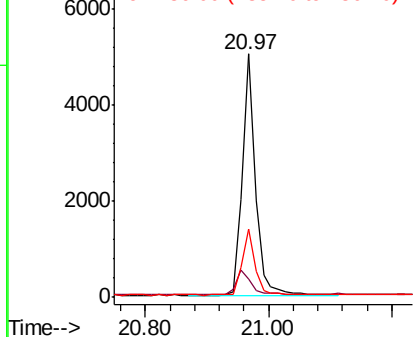
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BE097613.D
 Acq: 21 Sep 2018 16:02

Instrument :
 BNA_E
 ClientSampleId :
 PB112956BS

Tot Ion:240 Resp: 7262
 Ion Ratio Lower Upper
 240 100
 120 7.7 5.5 8.3
 236 28.0 20.7 31.1

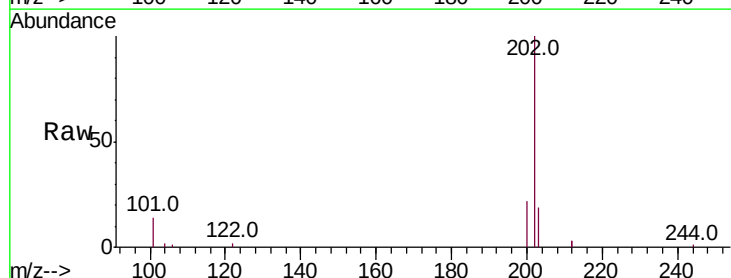


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

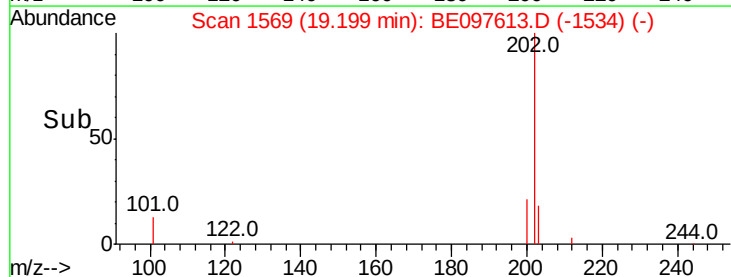
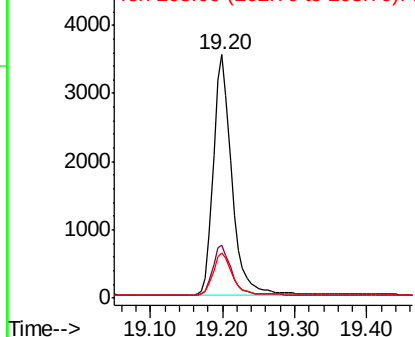


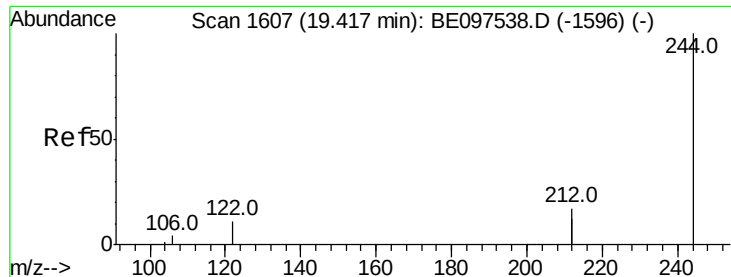
#28
 Pyrene
 Concen: 0.377 ng
 RT: 19.20 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BE097613.D
 Acq: 21 Sep 2018 16:02

Tgt Ion:202 Resp: 6229
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 25.0
 203 18.0 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: 0.342 ng

RT: 19.42 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

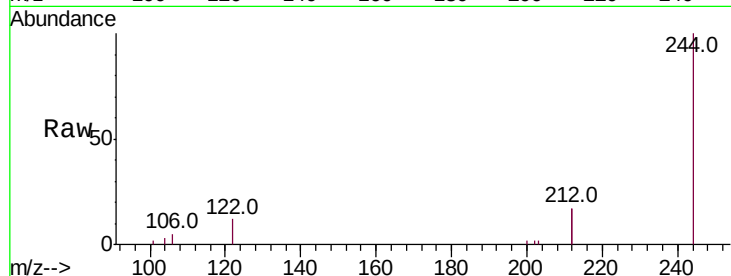
Tot Ion:244 Resp: 4551

Ion Ratio Lower Upper

244 100

212 33.9 25.4 38.0

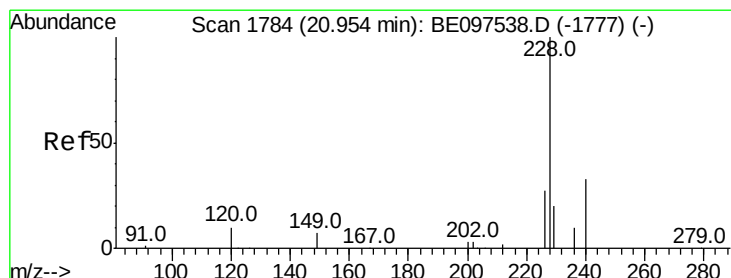
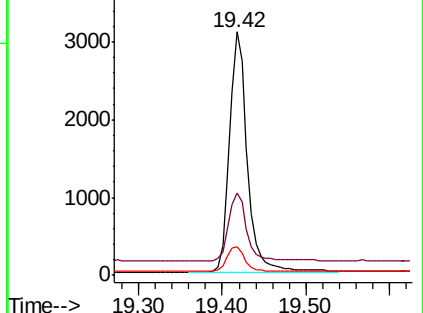
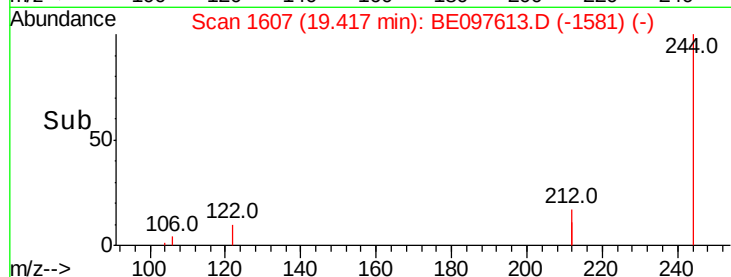
122 11.8 8.1 12.1



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: 0.395 ng

RT: 20.96 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

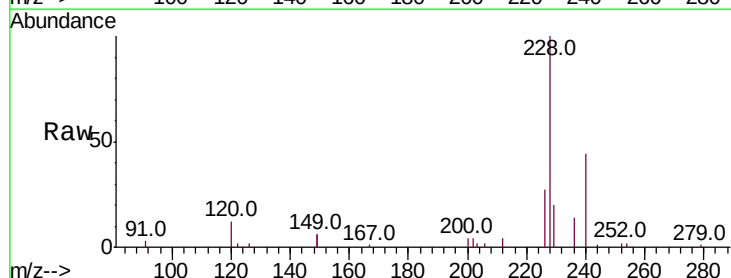
Tgt Ion:228 Resp: 7214

Ion Ratio Lower Upper

228 100

226 27.0 24.0 36.0

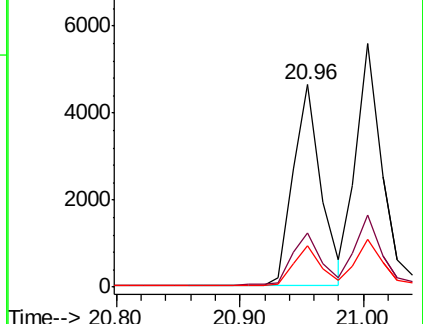
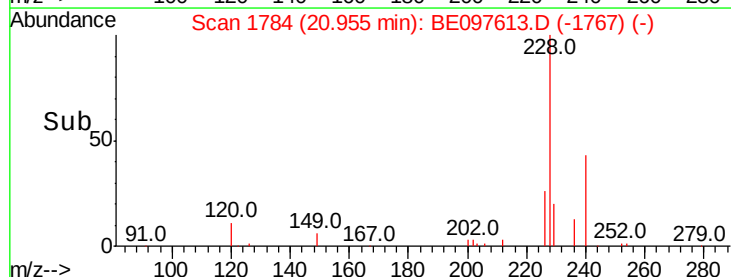
229 20.5 16.0 24.0

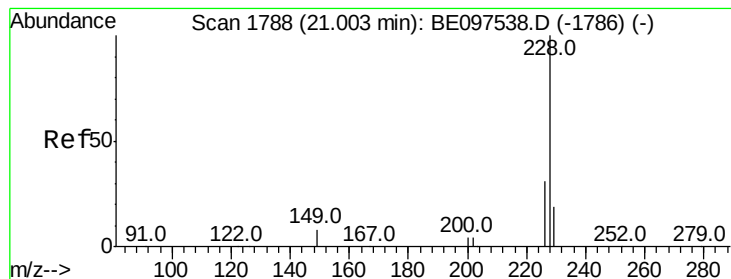


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.411 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

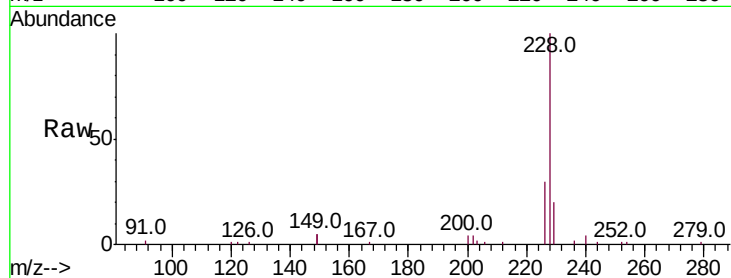
BNA_E

ClientSampleId :

PB112956BS

Tot Ion:228 Resp: 8067

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.8	16.0	24.0

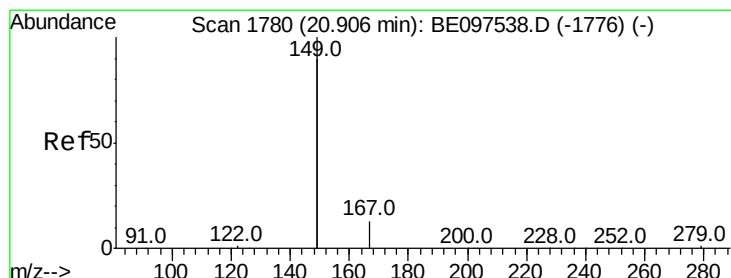
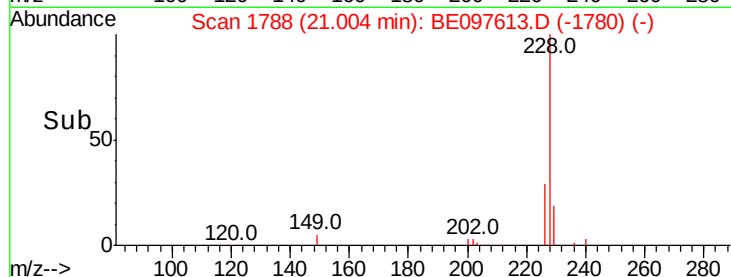
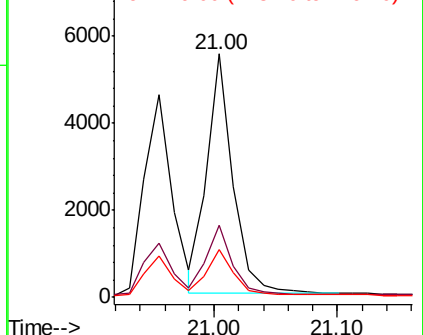


Abundance

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: 0.274 ng

RT: 20.89 min Scan# 1779

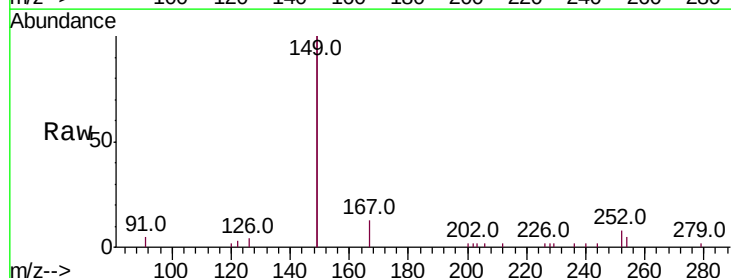
Delta R.T. -0.01 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Tgt Ion:149 Resp: 8088

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	1.1	0.7	1.1#

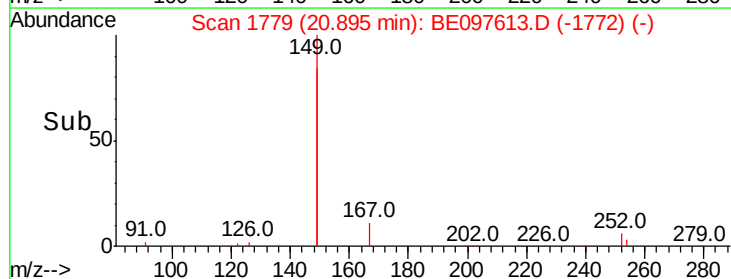
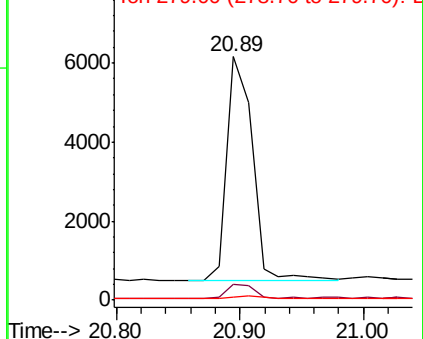


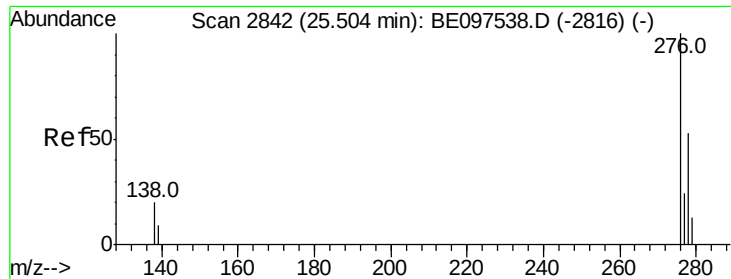
Abundance

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: 0.442 ng

RT: 25.50 min Scan# 2842

Delta R.T. 0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

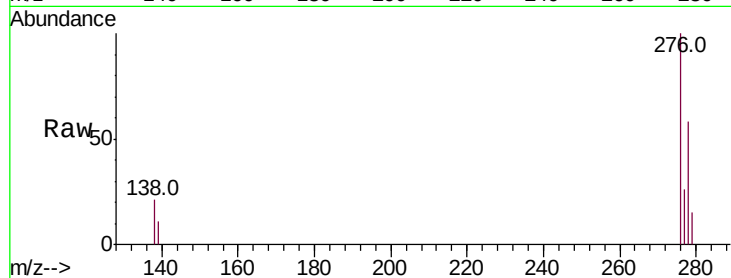
Tot Ion:276 Resp: 10438

Ion Ratio Lower Upper

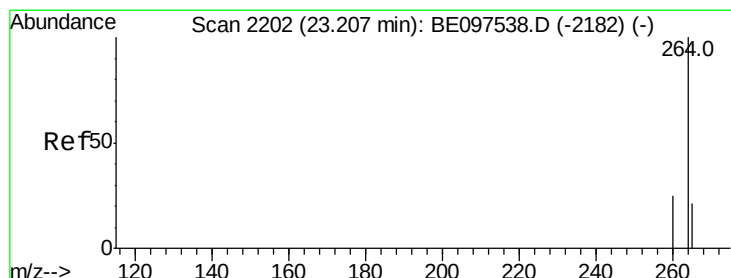
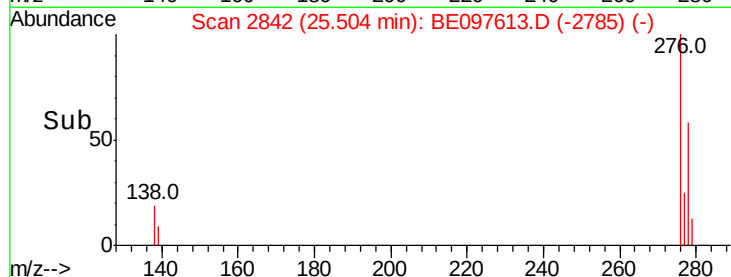
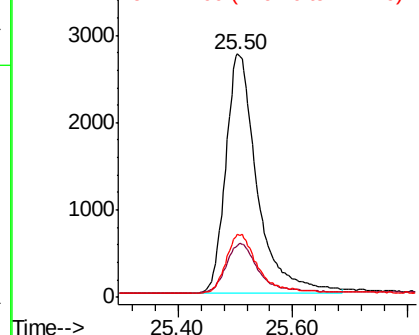
276 100

138 21.1 22.5 33.7#

277 24.8 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: 23.20 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

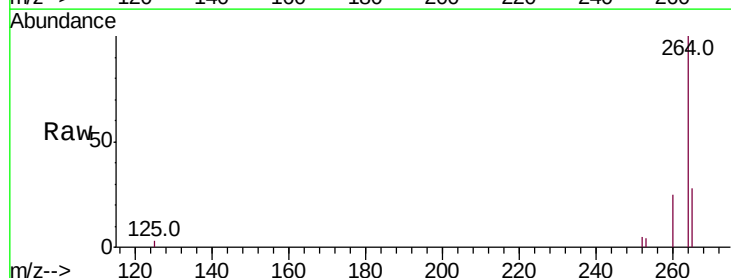
Tgt Ion:264 Resp: 7597

Ion Ratio Lower Upper

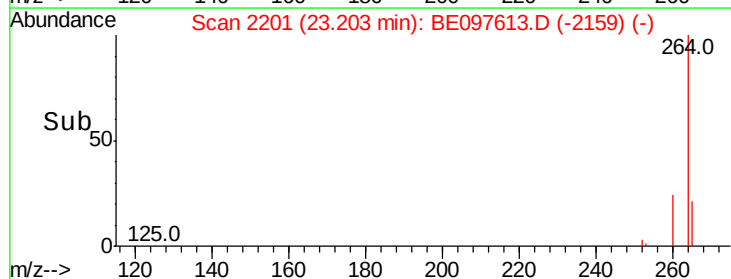
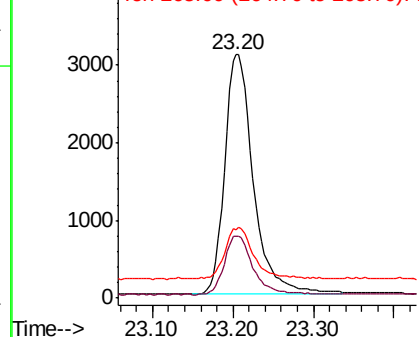
264 100

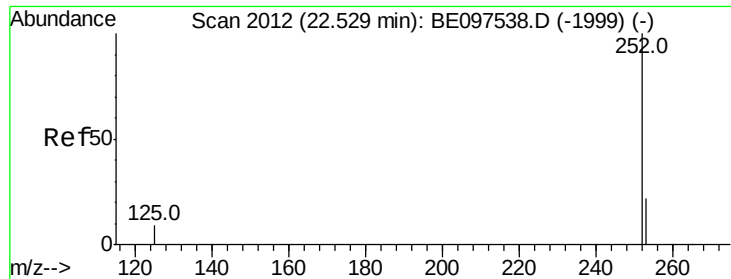
260 25.2 20.5 30.7

265 28.2 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: 0.407 ng

RT: 22.53 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

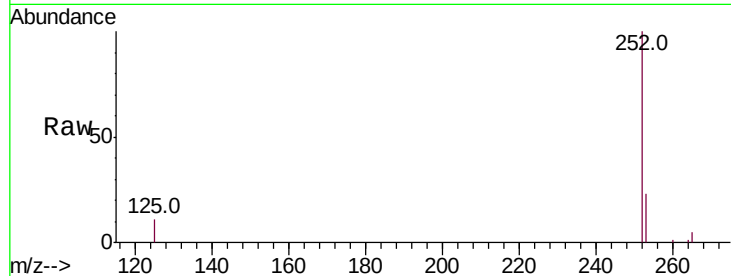
Tot Ion:252 Resp: 7931

Ion Ratio Lower Upper

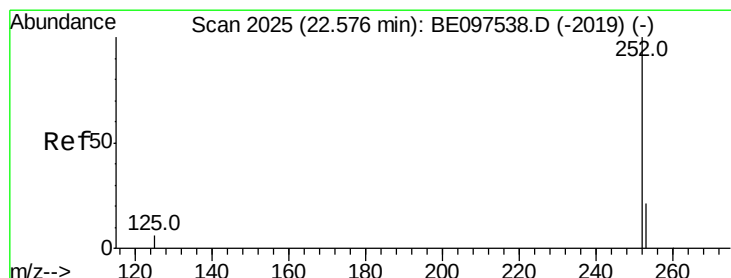
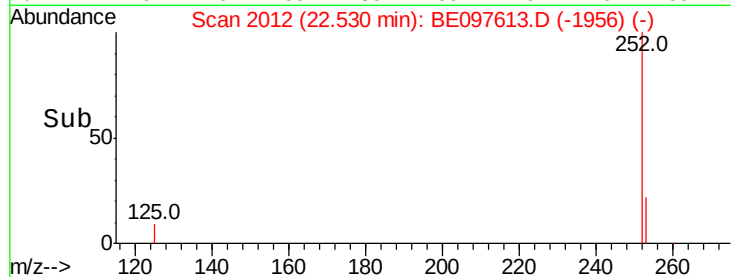
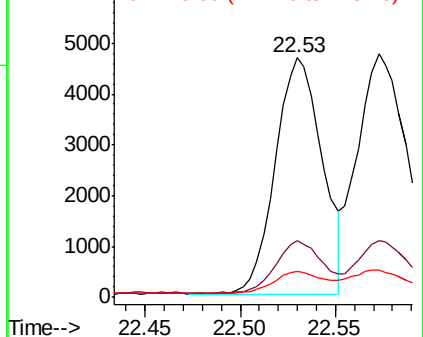
252 100

253 23.5 20.0 30.0

125 10.7 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: 0.412 ng

RT: 22.57 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

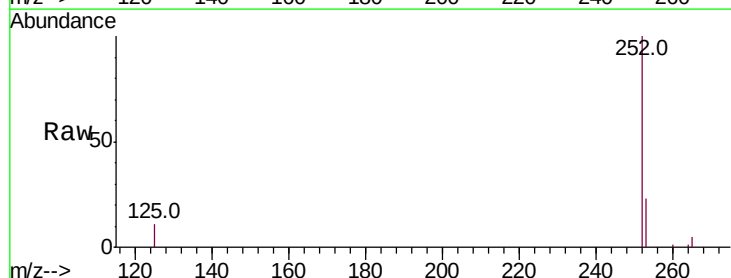
Tgt Ion:252 Resp: 9161

Ion Ratio Lower Upper

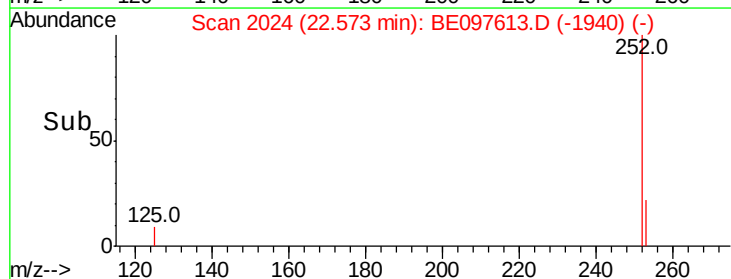
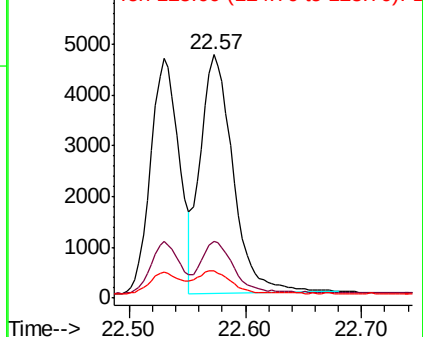
252 100

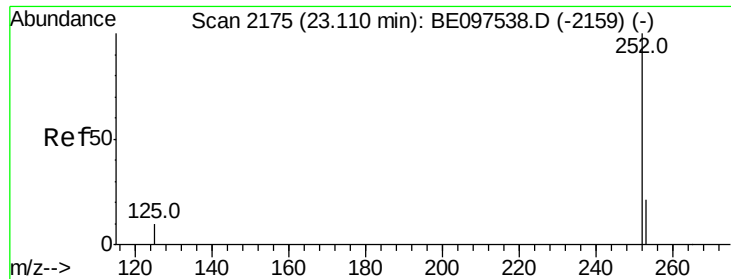
253 23.3 16.0 24.0

125 11.0 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: 0.425 ng

RT: 23.11 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

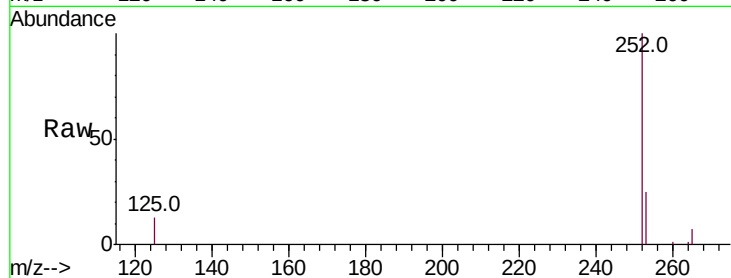
Tot Ion:252 Resp: 8053

Ion Ratio Lower Upper

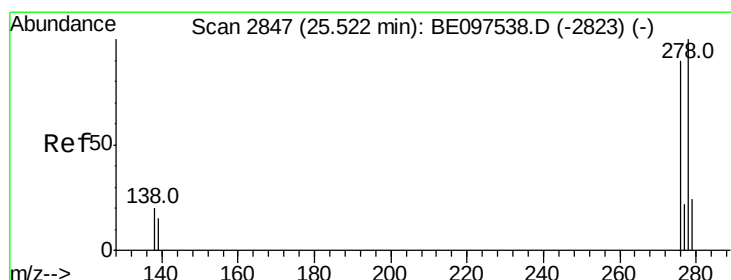
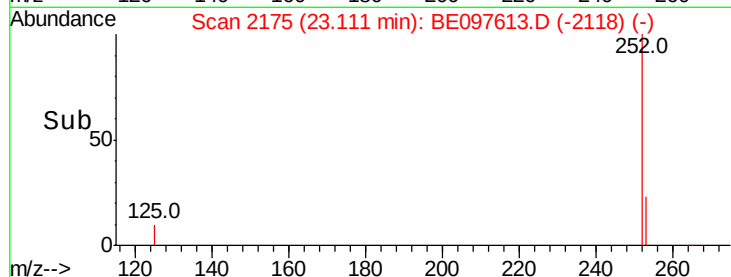
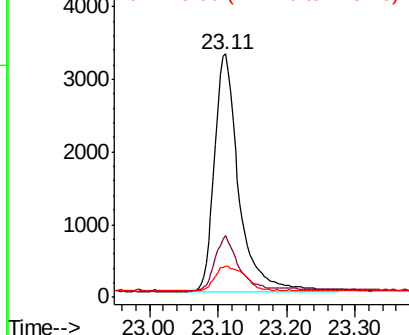
252 100

253 25.2 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: 0.422 ng

RT: 25.52 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

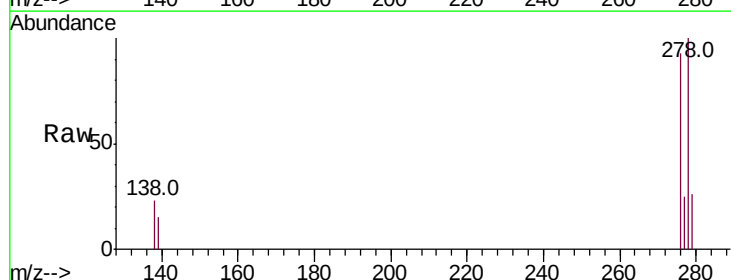
Tgt Ion:278 Resp: 8618

Ion Ratio Lower Upper

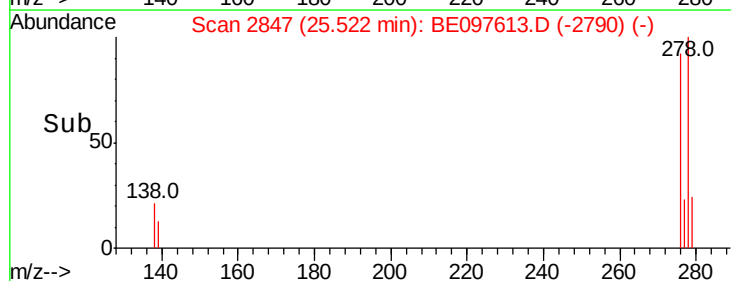
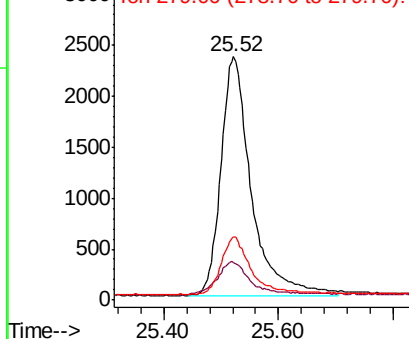
278 100

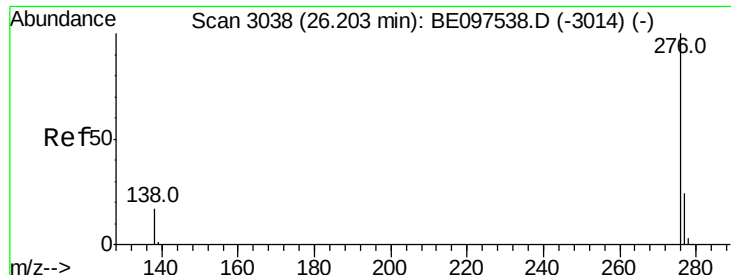
139 15.4 16.0 24.0#

279 26.1 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: 0.433 ng

RT: 26.21 min Scan# 3040

Delta R.T. 0.01 min

Lab File: BE097613.D

Acq: 21 Sep 2018 16:02

Instrument :

BNA_E

ClientSampleId :

PB112956BS

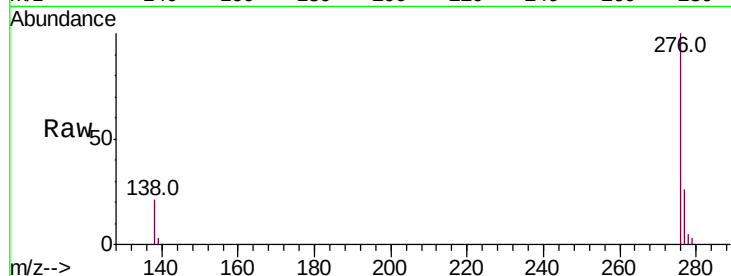
Tot Ion:276 Resp: 8603

Ion Ratio Lower Upper

276 100

277 25.6 16.0 24.0#

138 20.7 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

