

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092518\
 Data File : BE097655.D
 Acq On : 25 Sep 2018 13:33
 Operator : SJ/JU
 Sample : PB113162BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113162BS

Quant Time: Sep 26 07:34:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 18:40:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1090	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4624	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2249	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5453	0.40	ng	0.01
27) Chrysene-d12	20.97	240	7162	0.40	ng	0.00
34) Perylene-d12	23.21	264	7467	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1290	0.45	ng	0.01
5) Phenol-d6	6.62	99	1382	0.34	ng	0.00
8) Nitrobenzene-d5	8.53	82	1321	0.46	ng	-0.01
11) 2-Methylnaphthalene-d10	11.72	152	2810	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	303	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3757	0.51	ng	-0.01
25) Fluoranthene-d10	18.80	212	26732	0.45	ng	0.00
29) Terphenyl-d14	19.42	244	4716	0.33	ng	0.00

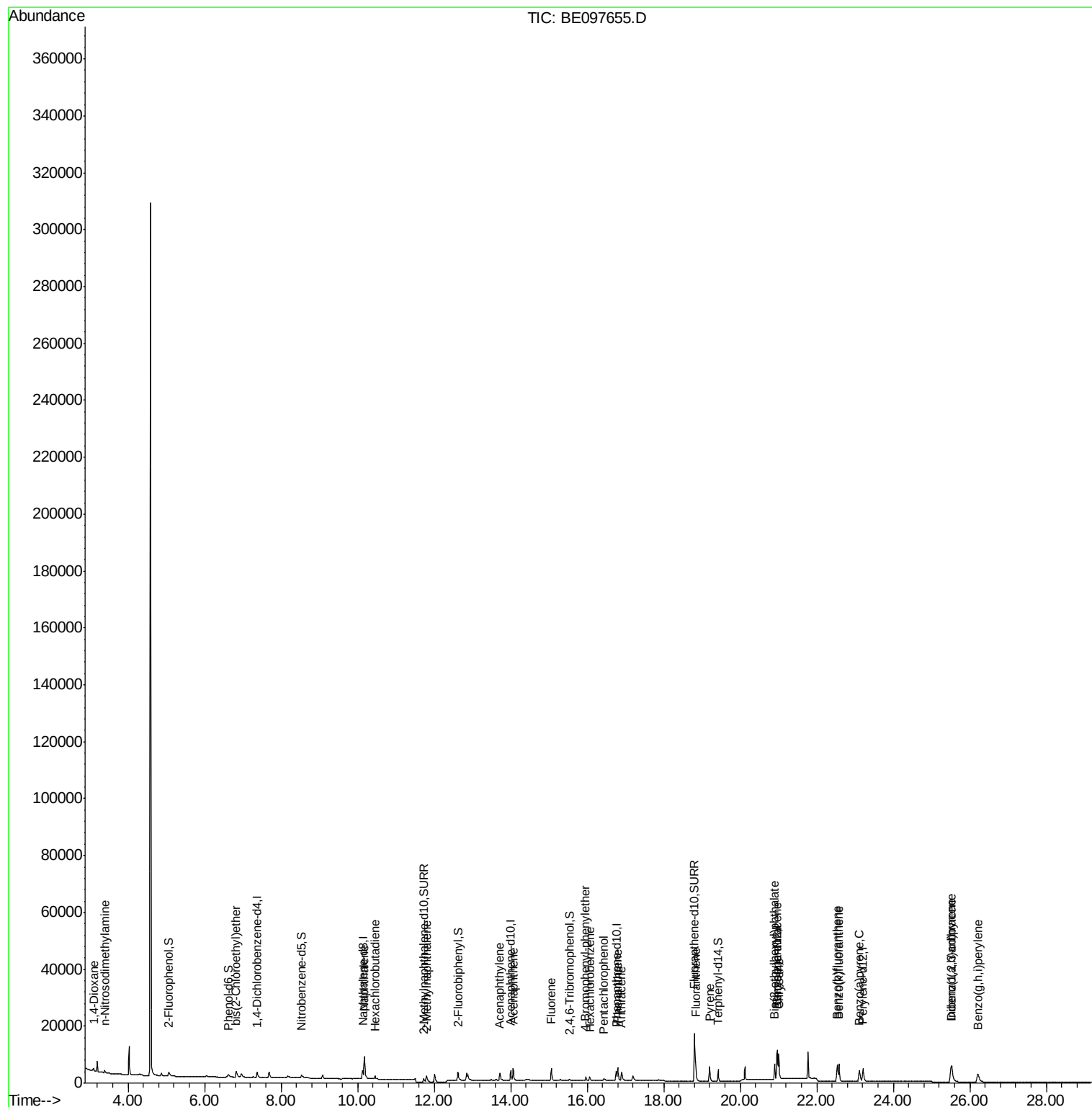
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	636	0.333	ng	# 64
3) n-Nitrosodimethylamine	3.38	42	599	0.475	ng	# 83
6) bis(2-Chloroethyl)ether	6.83	93	1378	0.410	ng	76
9) Naphthalene	10.17	128	17649	0.420	ng	99
10) Hexachlorobutadiene	10.46	225	742	0.388	ng	98
12) 2-Methylnaphthalene	11.80	142	2586	0.389	ng	99
16) Acenaphthylene	13.72	152	3437	0.380	ng	99
17) Acenaphthene	14.06	154	2367	0.401	ng	96
18) Fluorene	15.06	166	3007	0.362	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	932	0.386	ng	# 75
21) Hexachlorobenzene	16.07	284	1133	0.406	ng	# 86
22) Pentachlorophenol	16.44	266	590	0.937	ng	# 76
23) Phenanthrene	16.80	178	5331	0.413	ng	99
24) Anthracene	16.89	178	4353	0.406	ng	# 95
26) Fluoranthene	18.83	202	6526	0.422	ng	98
28) Pyrene	19.20	202	6483	0.347	ng	99
30) Benzo(a)anthracene	20.95	228	7095	0.419	ng	97
31) Chrysene	21.00	228	8647	0.437	ng	99
32) Bis(2-ethylhexyl)phthalate	20.89	149	7100	0.367	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	10742	0.515	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	8301	0.435	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	9759	0.432	ng	95
37) Benzo(a)pyrene	23.11	252	8229	0.437	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	8700	0.439	ng	# 96
39) Benzo(g,h,i)perylene	26.21	276	8819	0.447	ng	# 90

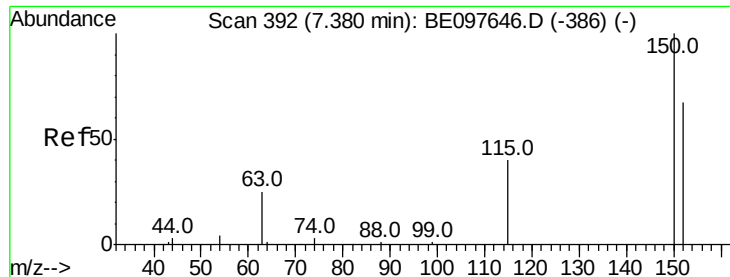
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

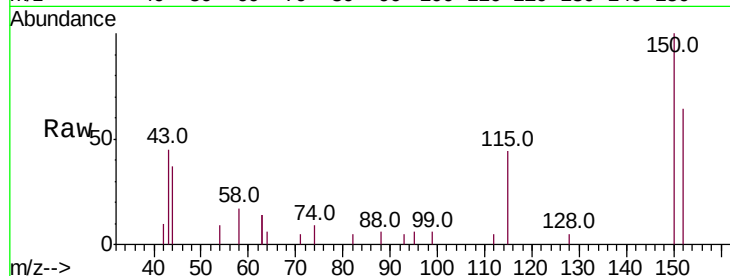
Tot Ion:152 Resp: 1090

Ion Ratio Lower Upper

152 100

150 155.1 117.2 175.8

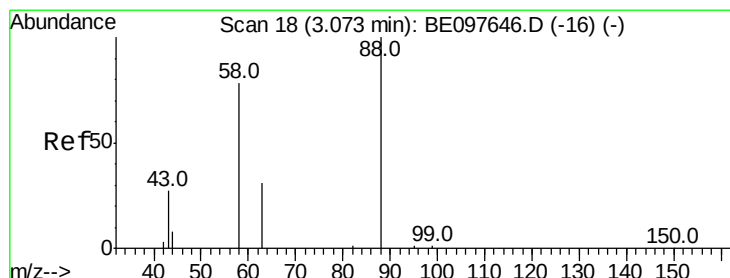
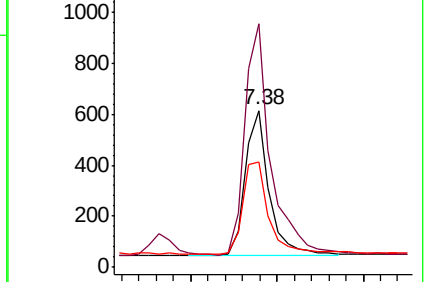
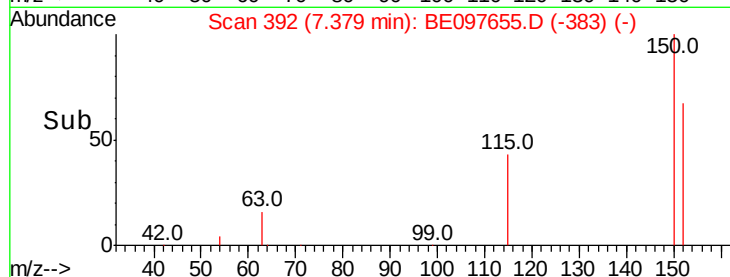
115 67.5 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.333 ng

RT: 3.09 min Scan# 20

Delta R.T. 0.02 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

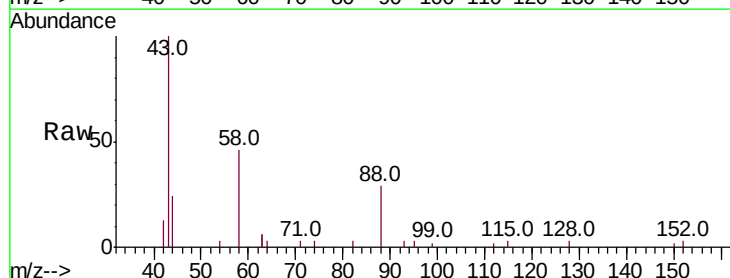
Tgt Ion: 88 Resp: 636

Ion Ratio Lower Upper

88 100

58 89.5 63.2 94.8

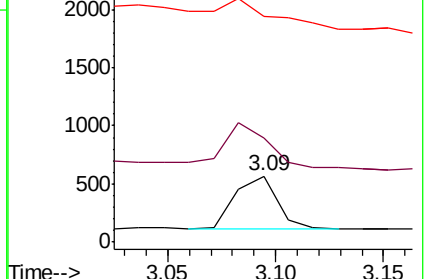
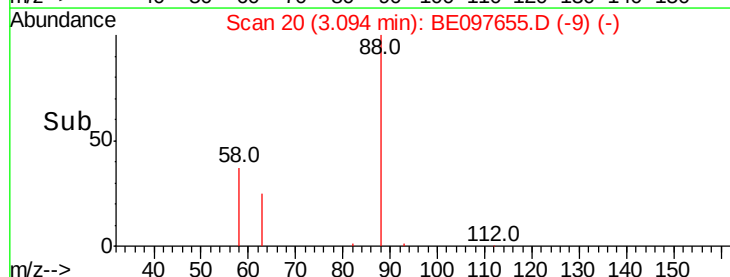
43 0.0 41.2 61.8#

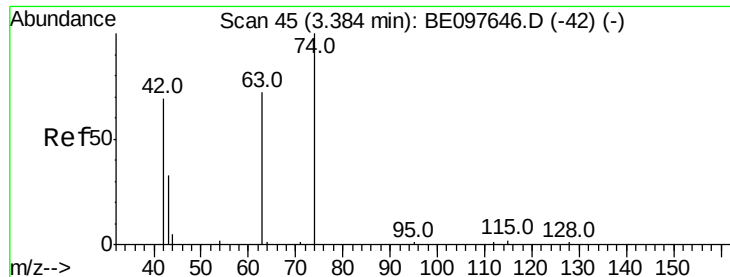


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.475 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

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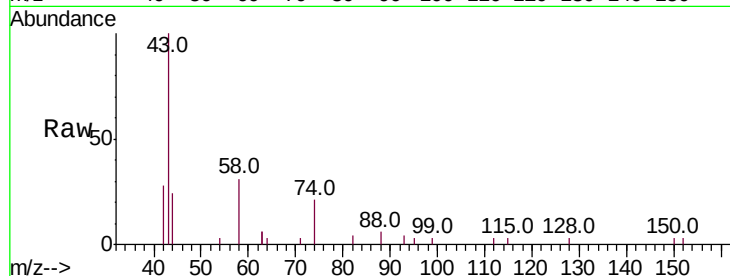
Tot Ion: 42 Resp: 599

Ion Ratio Lower Upper

42 100

74 135.7 96.0 144.0

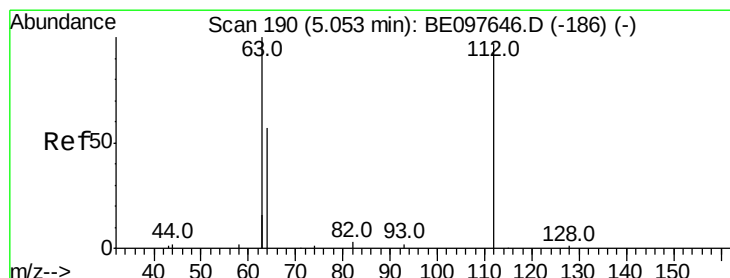
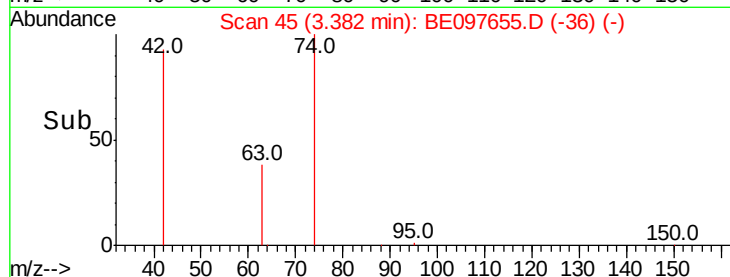
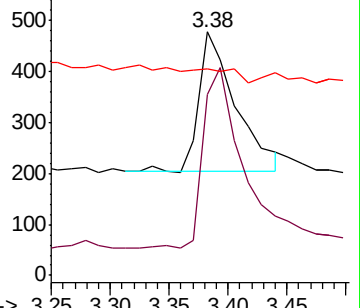
44 0.0 12.0 18.0#



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: 0.450 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

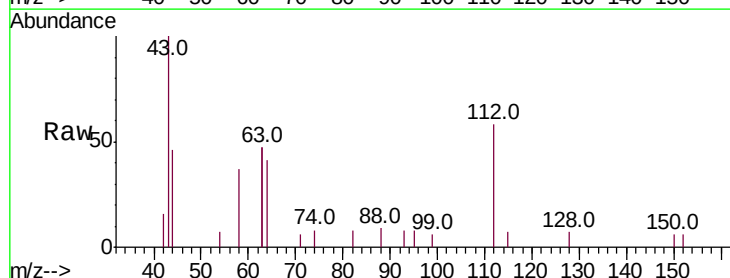
Tgt Ion: 112 Resp: 1290

Ion Ratio Lower Upper

112 100

64 67.4 60.1 90.1

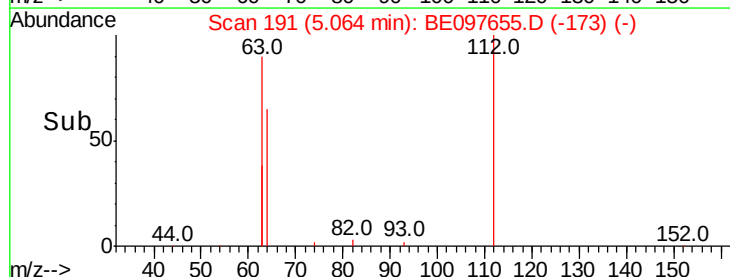
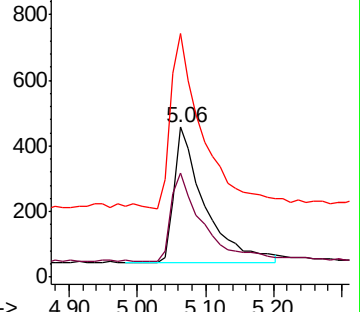
63 133.8 116.8 175.2

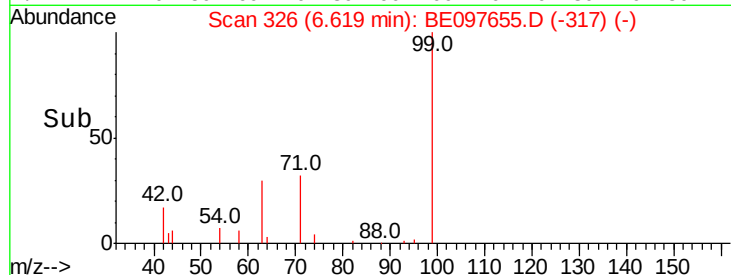
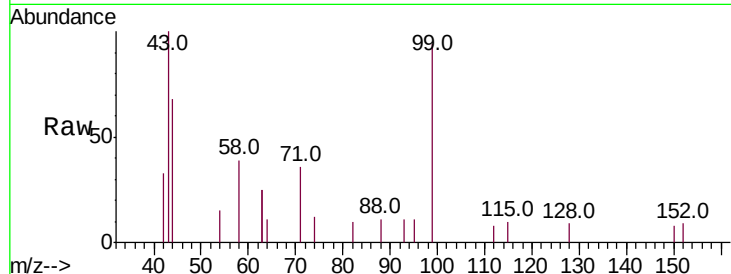
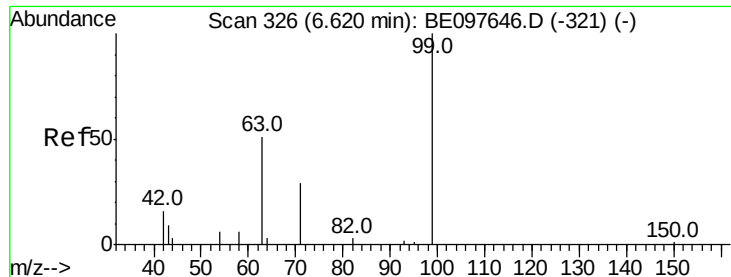


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.341 ng

RT: 6.62 min Scan# 326

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

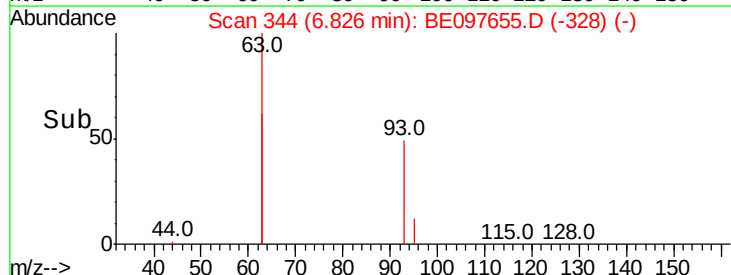
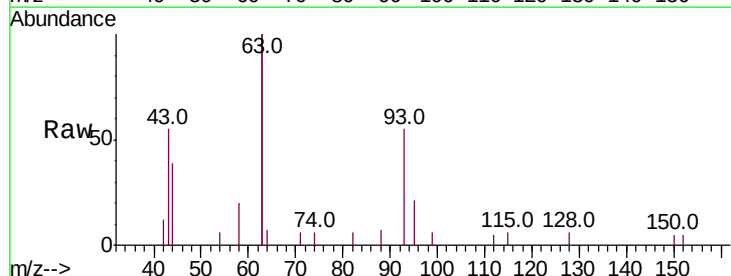
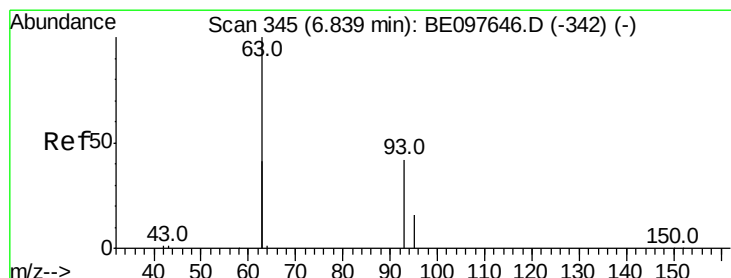
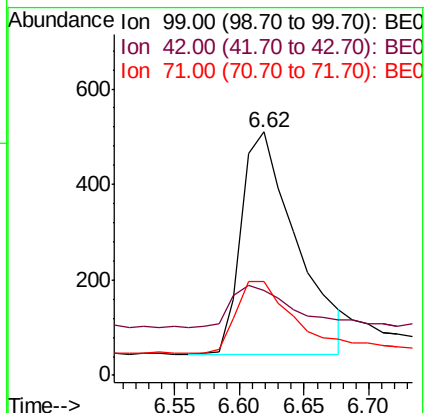
Tot Ion: 99 Resp: 1382

Ion Ratio Lower Upper

99 100

42 21.2 20.2 30.2

71 33.3 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.410 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

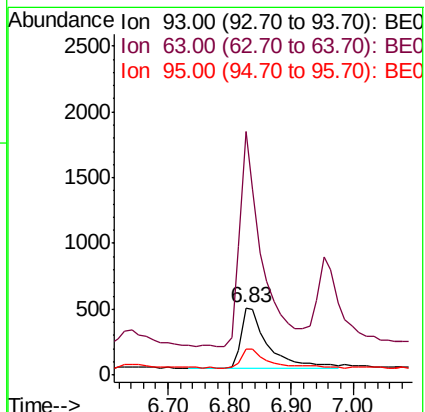
Tgt Ion: 93 Resp: 1378

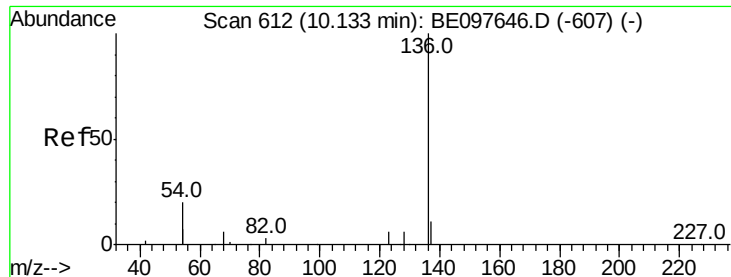
Ion Ratio Lower Upper

93 100

63 287.0 275.3 412.9

95 31.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

Tot Ion:136 Resp: 4624

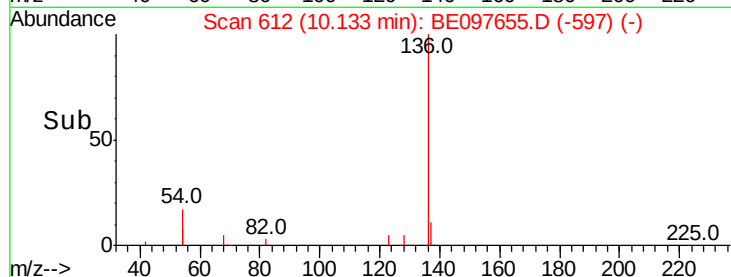
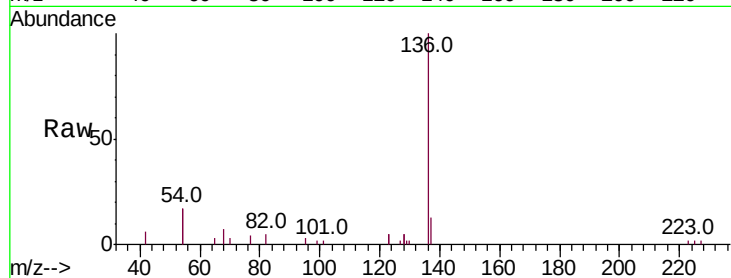
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 34.1 29.1 43.7

68 7.4 6.2 9.2

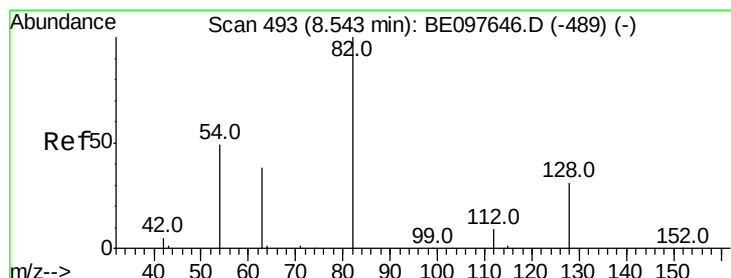
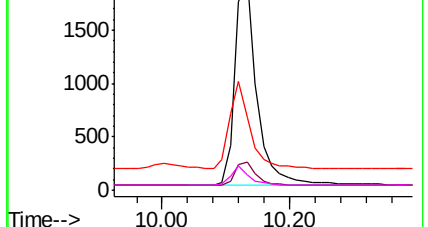


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.457 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.01 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

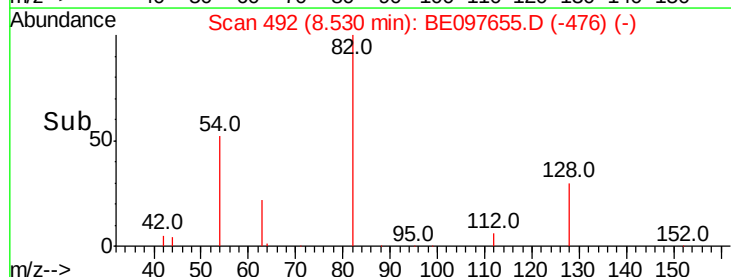
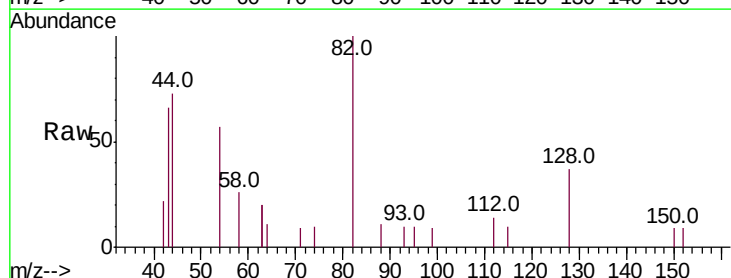
Tgt Ion: 82 Resp: 1321

Ion Ratio Lower Upper

82 100

128 37.1 24.0 36.0#

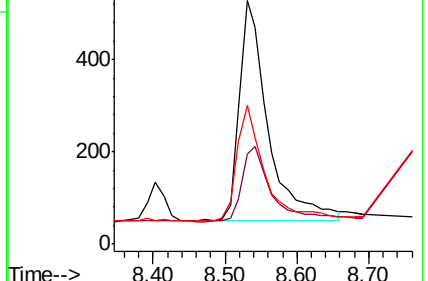
54 57.0 40.0 60.0

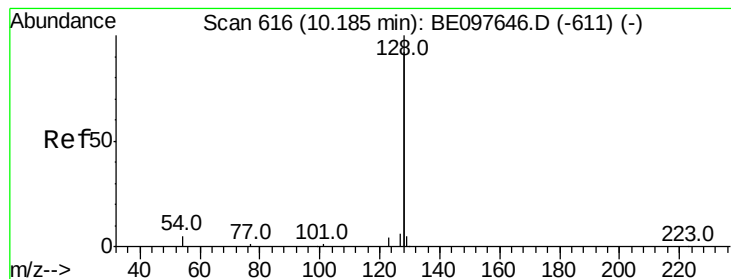


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.420 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097655.D

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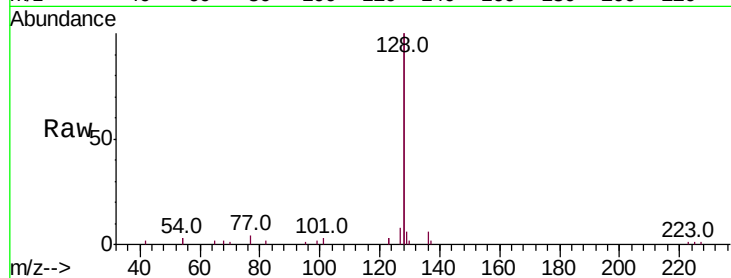
Tot Ion:128 Resp: 17649

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

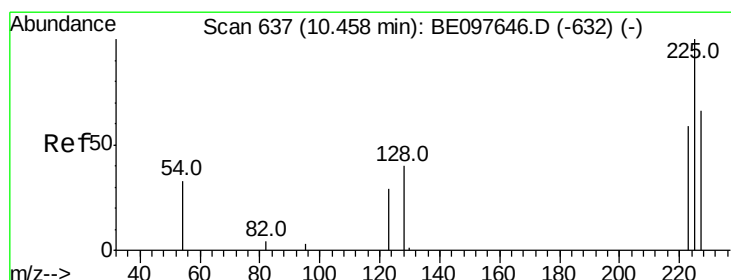
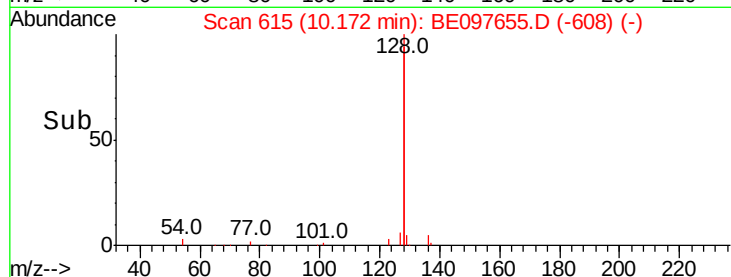
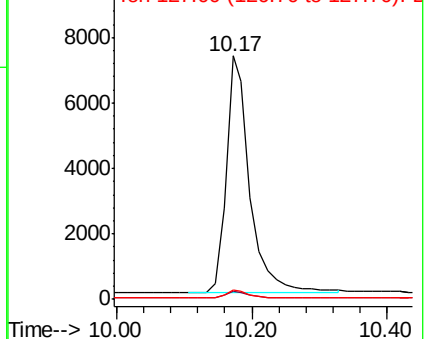
127 3.8 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.388 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

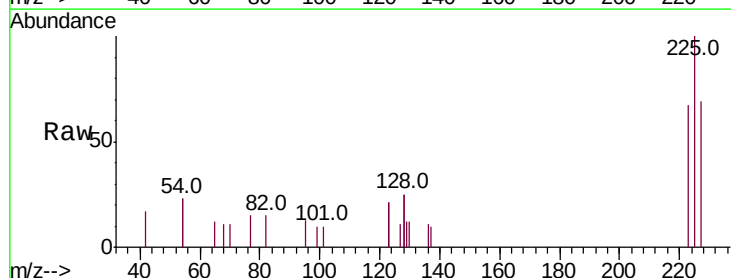
Tgt Ion:225 Resp: 742

Ion Ratio Lower Upper

225 100

223 63.3 53.0 79.6

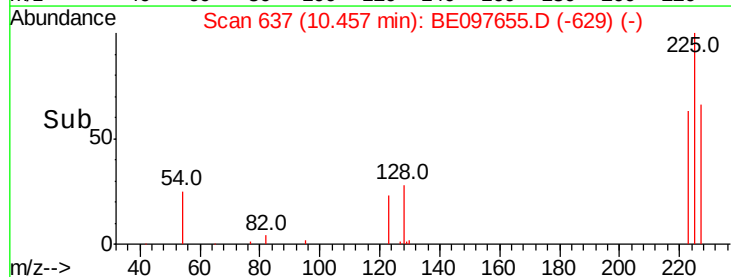
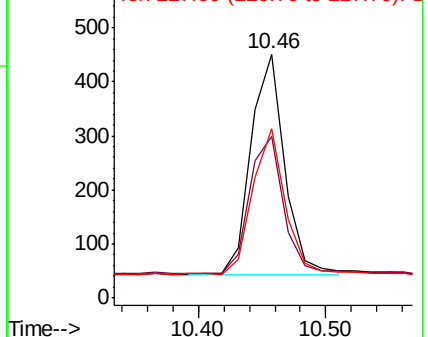
227 64.2 51.4 77.2

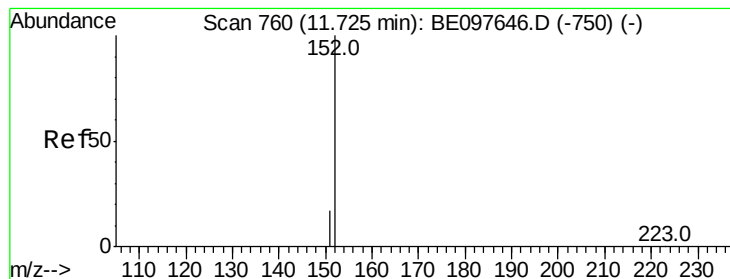


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.410 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.01 min

Lab File: BE097655.D

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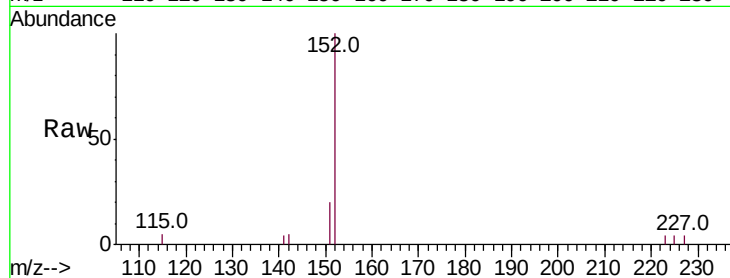
PB113162BS

Tot Ion:152 Resp: 2810

Ion Ratio Lower Upper

152 100

151 18.0 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

1200

1000

800

600

400

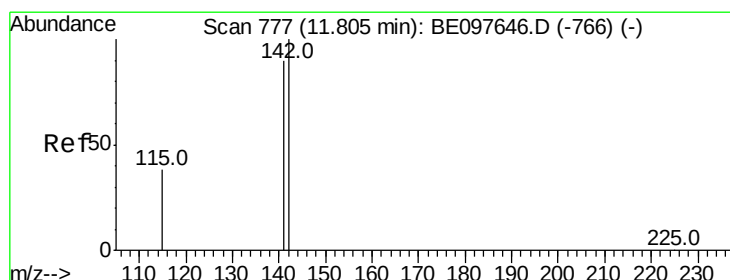
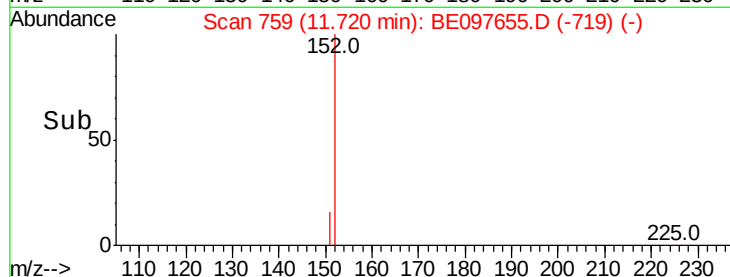
200

0

Time-->

11.60

11.80



#12

2-Methylnaphthalene

Concen: 0.389 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.01 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

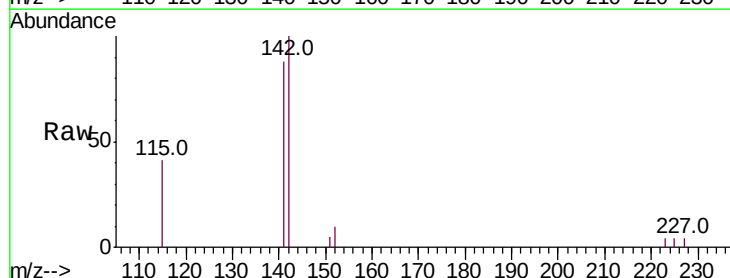
Tgt Ion:142 Resp: 2586

Ion Ratio Lower Upper

142 100

141 87.5 70.4 105.6

115 40.5 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

1000

500

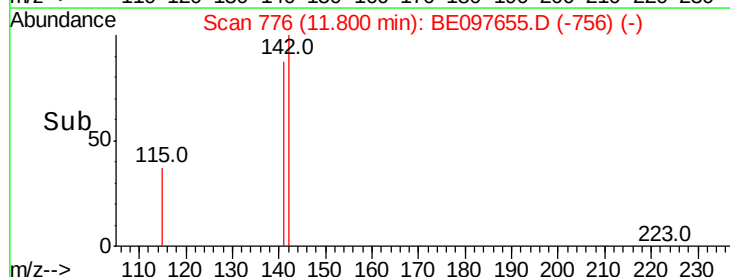
0

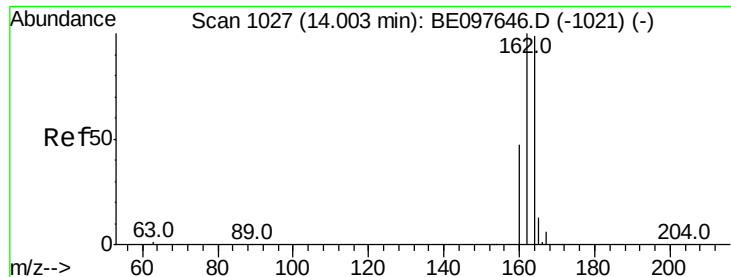
Time-->

11.70

11.80

11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

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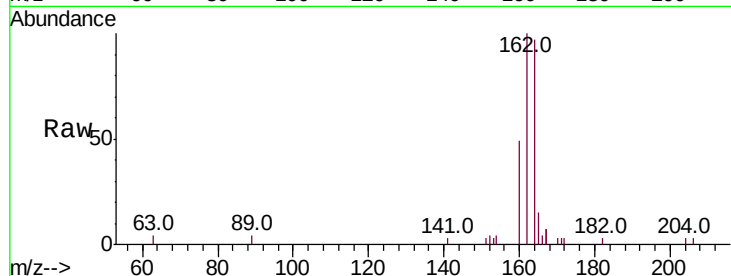
Tot Ion:164 Resp: 2249

Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

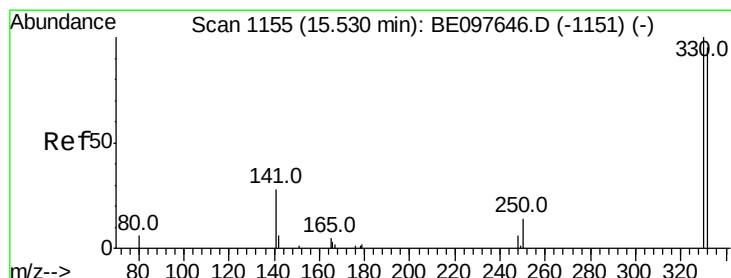
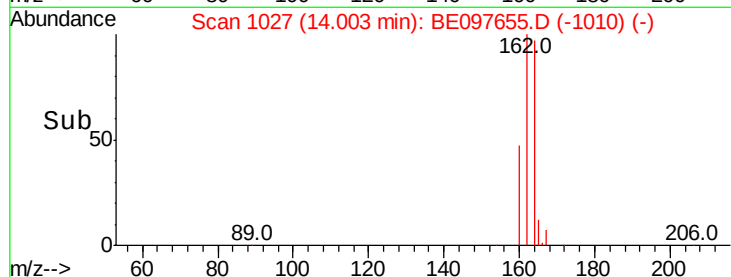
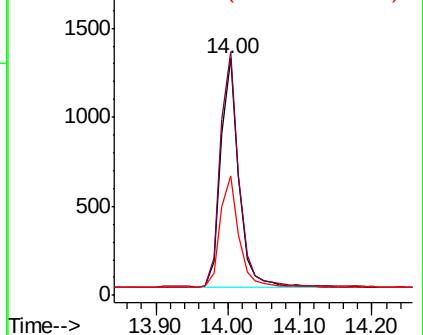
160 50.5 37.1 55.7



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: 0.349 ng

RT: 15.53 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

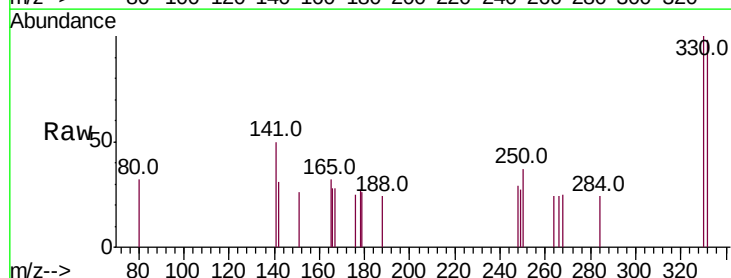
Tgt Ion:330 Resp: 303

Ion Ratio Lower Upper

330 100

332 99.0 152.7 229.1#

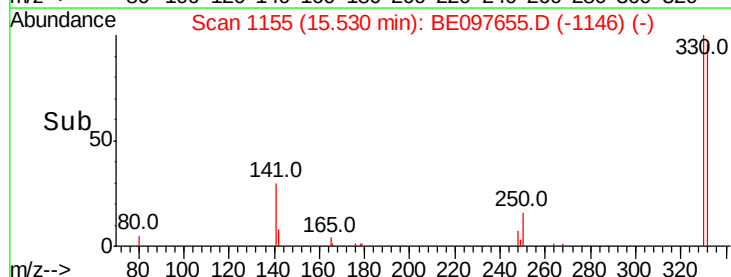
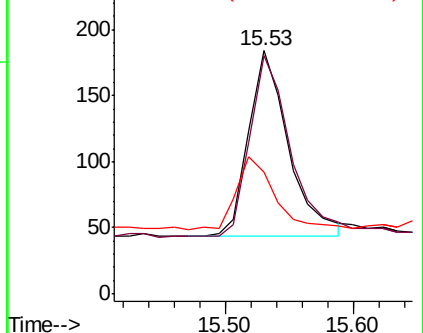
141 38.6 33.7 50.5

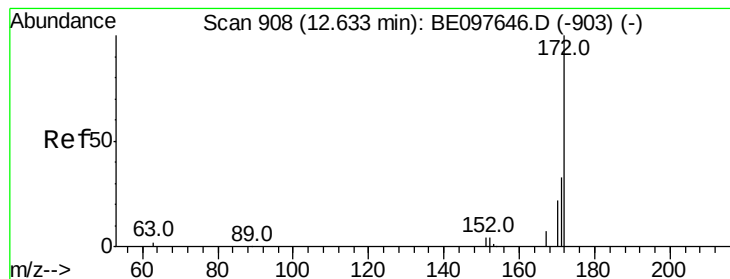


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.512 ng

RT: 12.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

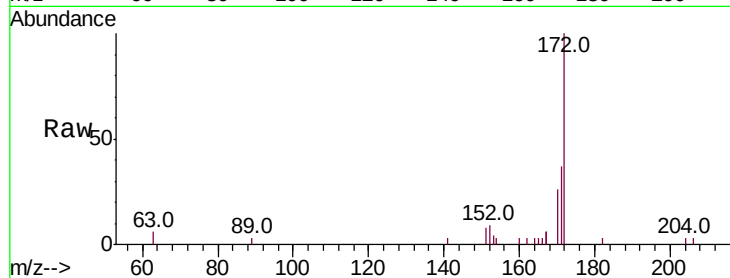
Tot Ion:172 Resp: 3757

Ion Ratio Lower Upper

172 100

171 36.9 29.9 44.9

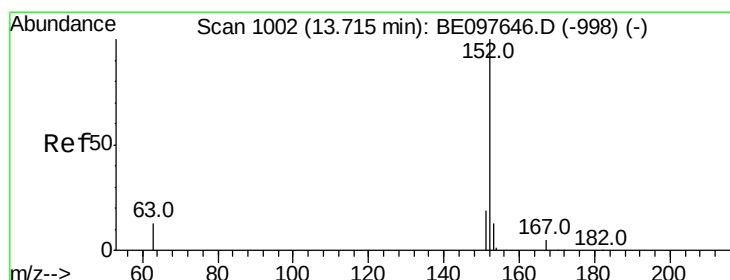
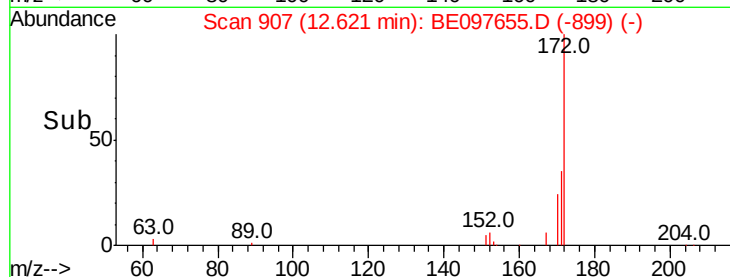
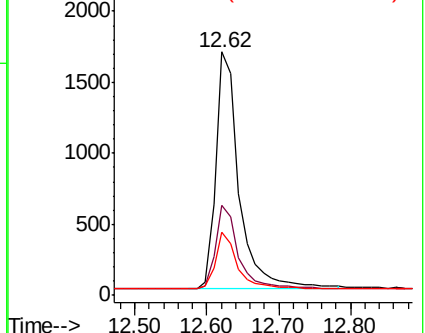
170 25.8 21.8 32.8



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: 0.380 ng

RT: 13.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

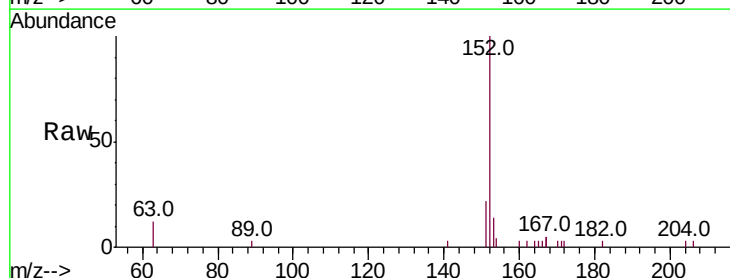
Tgt Ion:152 Resp: 3437

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

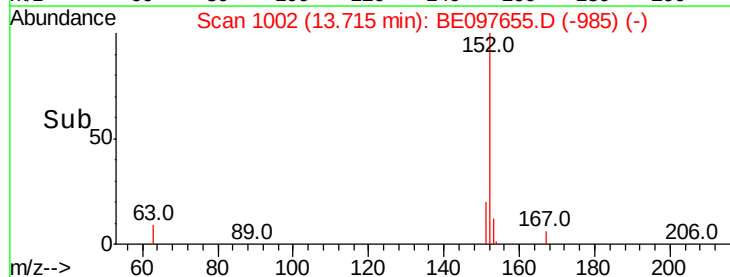
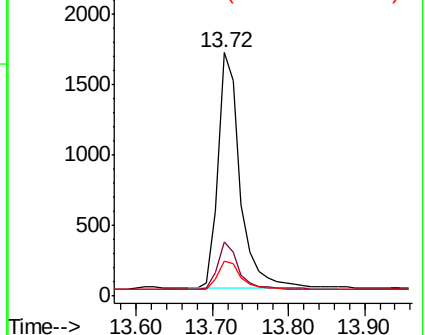
153 12.9 10.5 15.7

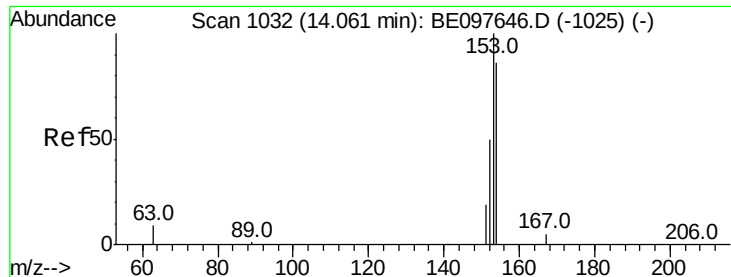


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.401 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

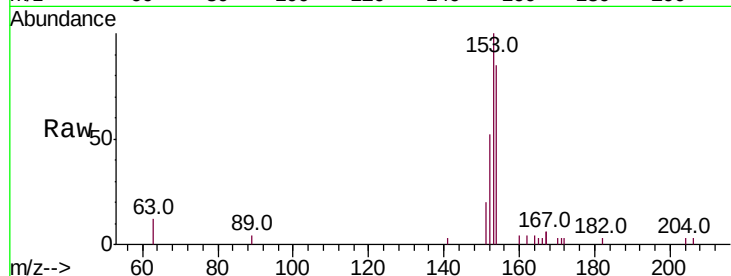
Tot Ion:154 Resp: 2367

Ion Ratio Lower Upper

154 100

153 114.1 89.2 133.8

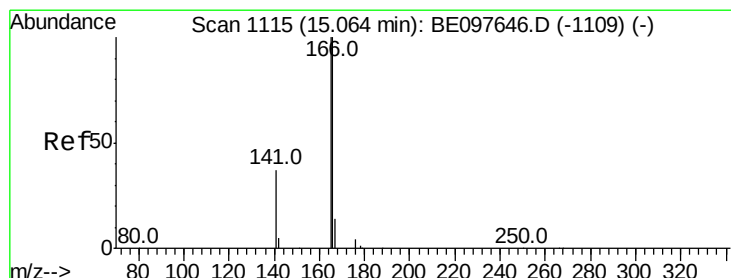
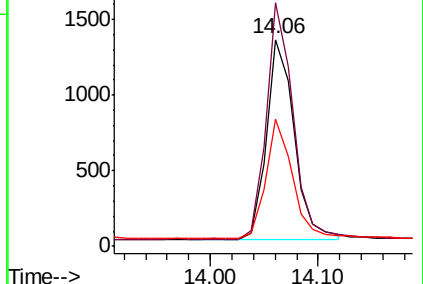
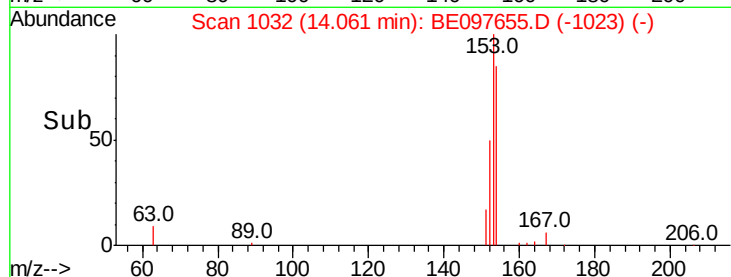
152 56.8 42.0 63.0



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: 0.362 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

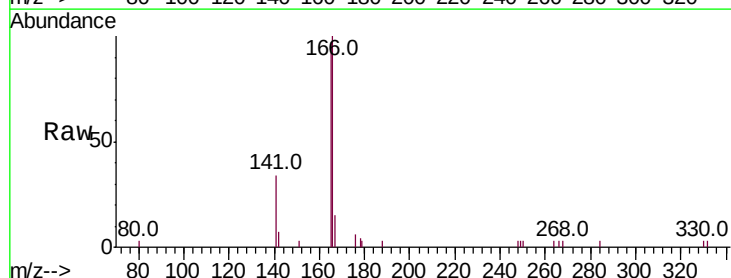
Tgt Ion:166 Resp: 3007

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

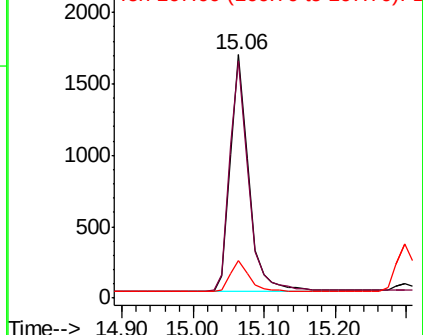
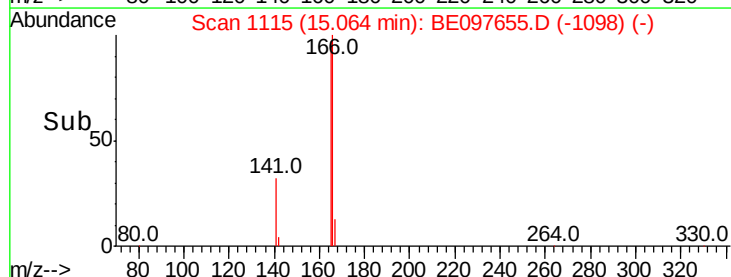
167 14.1 42.4 63.6#

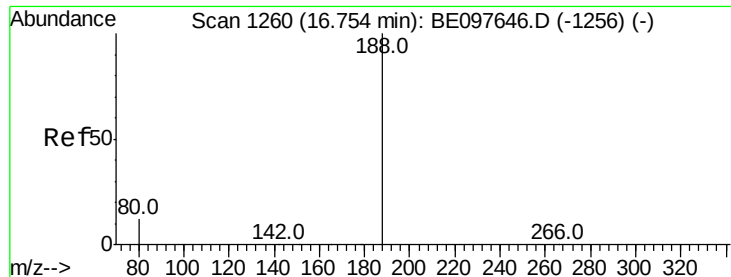


Abundance Ion 166.00 (165.70 to 166.70): E

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. 0.01 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

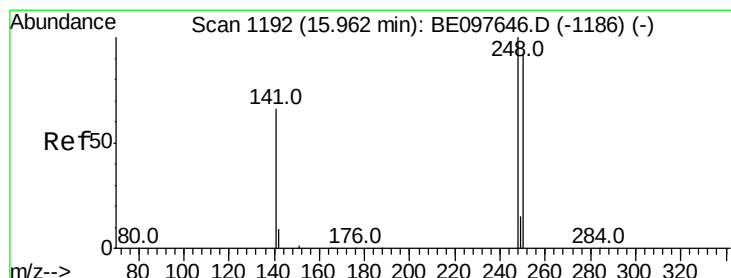
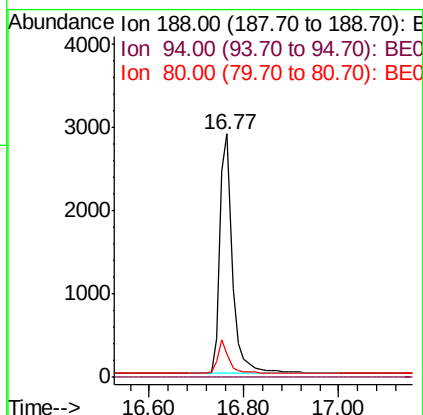
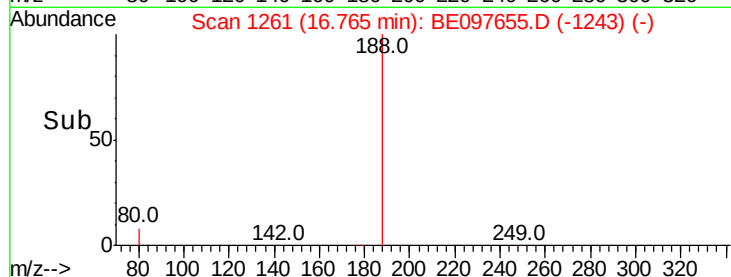
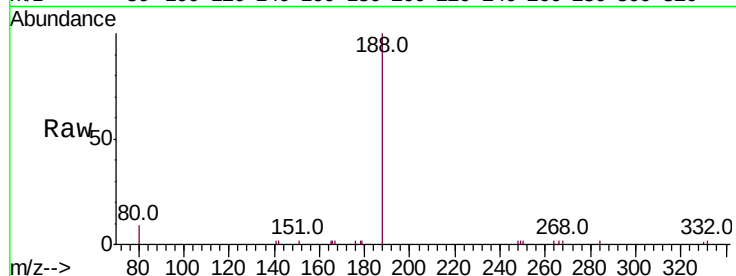
Tot Ion:188 Resp: 5453

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.5 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.386 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

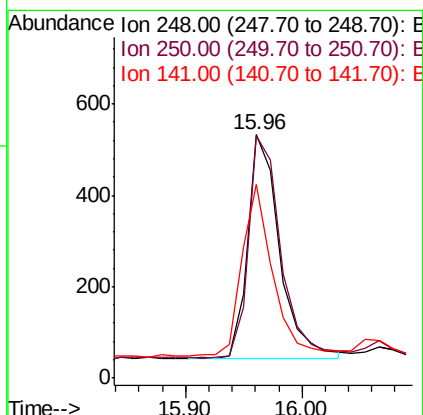
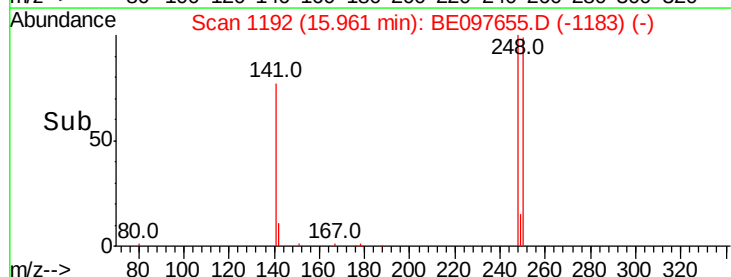
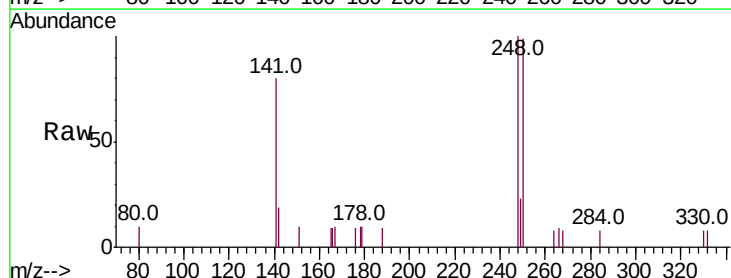
Tgt Ion:248 Resp: 932

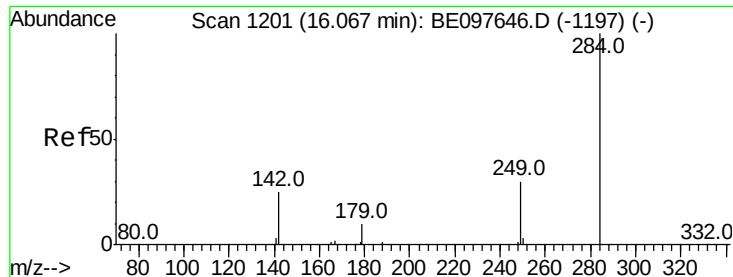
Ion Ratio Lower Upper

248 100

250 99.2 62.7 94.1#

141 79.7 48.2 72.2#

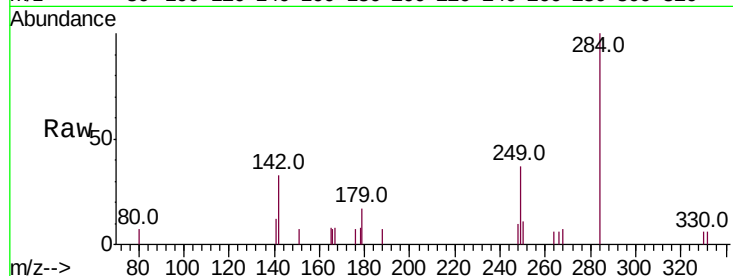




#21
Hexachlorobenzene
Concen: 0.406 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097655.D
Acq: 25 Sep 2018 13:33

Instrument :
BNA_E
ClientSampleId :
PB113162BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	30.7	22.1	33.1
249	30.7	34.8	52.2

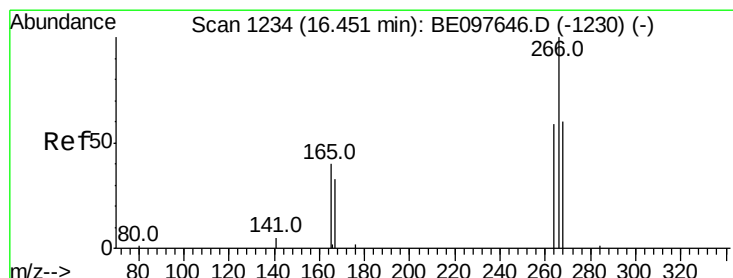
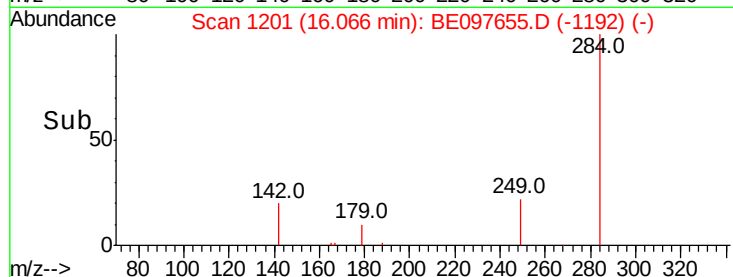
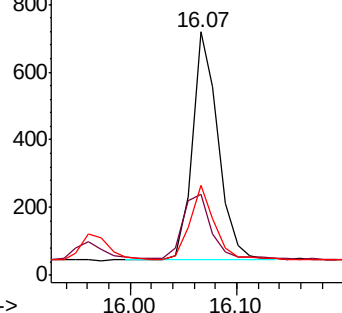


Abundance

Ion 283.80 (283.50 to 284.50): E

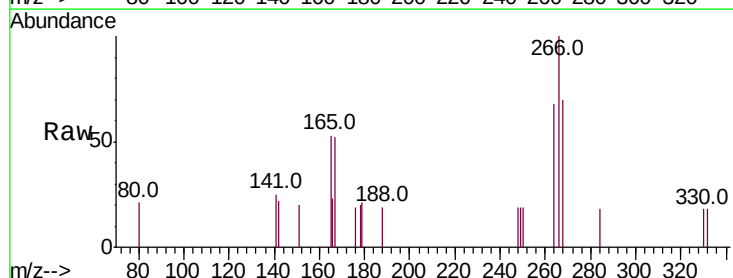
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 0.937 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BE097655.D
Acq: 25 Sep 2018 13:33

Tgt Ion	Ratio	Lower	Upper
266	100		
264	67.9	72.5	108.7
268	69.5	73.8	110.6

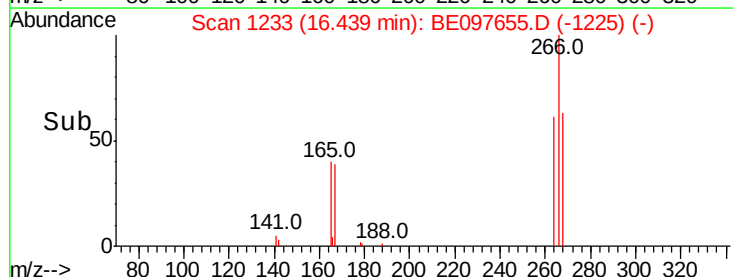
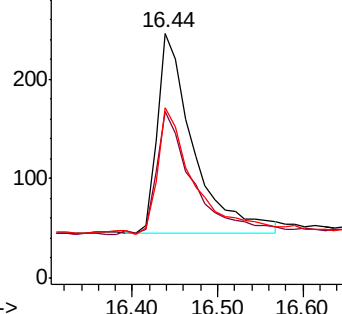


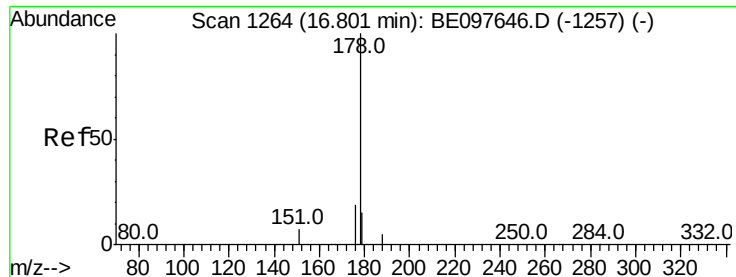
Abundance

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: 0.413 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

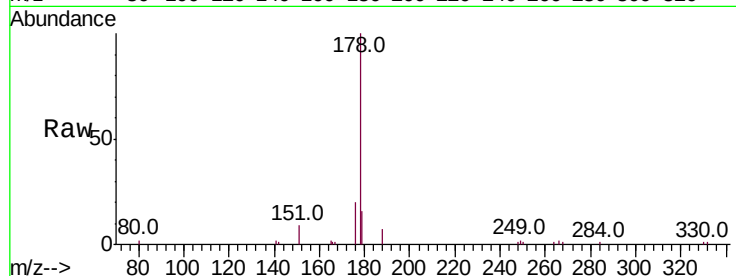
Tot Ion:178 Resp: 5331

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

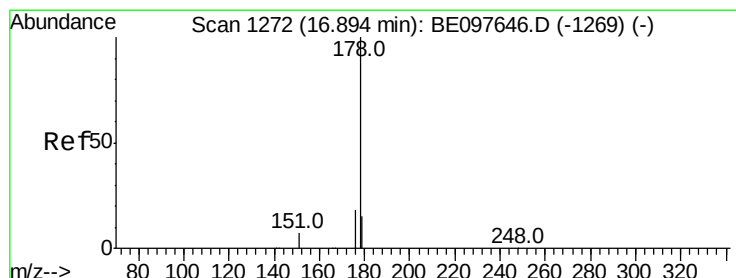
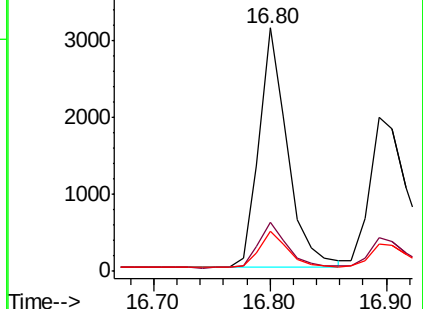
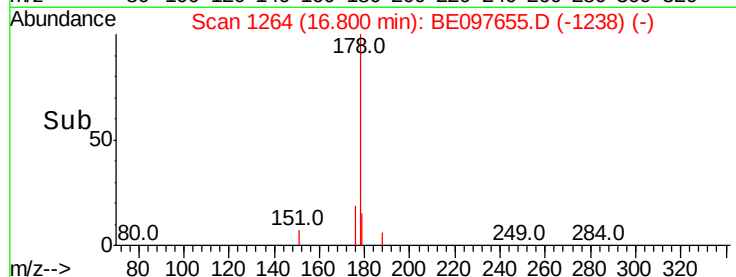
179 15.4 11.8 17.6



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: 0.406 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

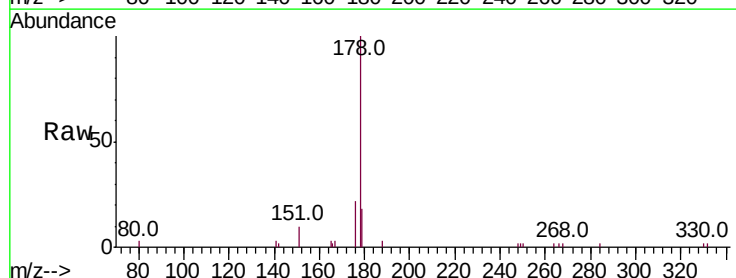
Tgt Ion:178 Resp: 4353

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

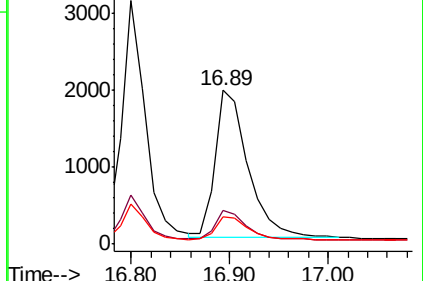
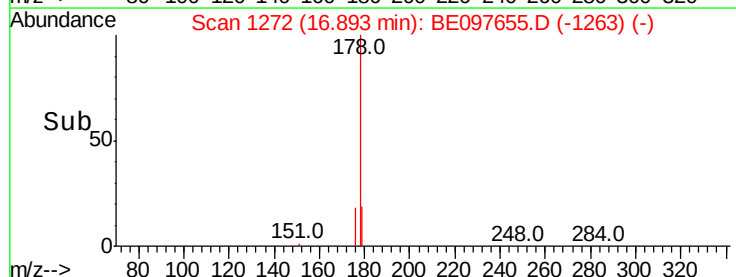
179 15.4 13.0 19.6

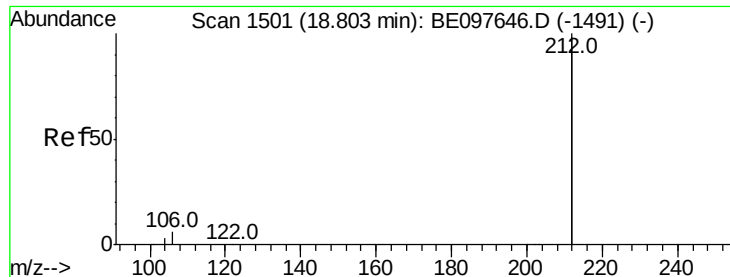


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.450 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

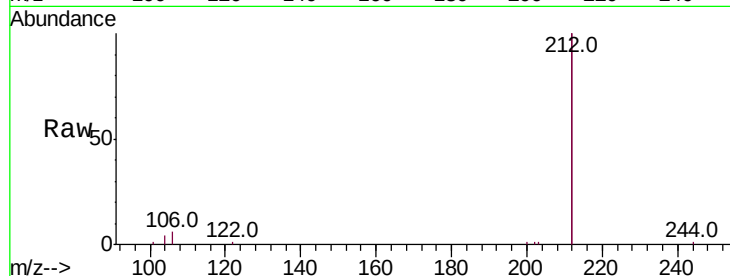
Tot Ion:212 Resp: 26732

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

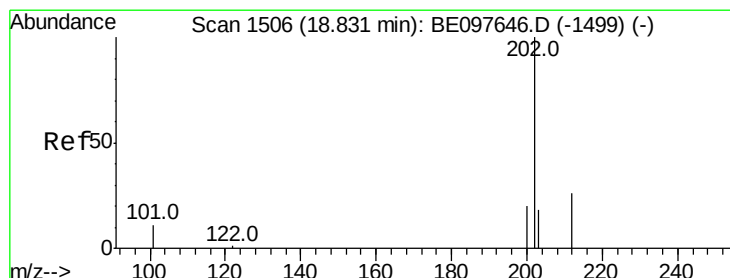
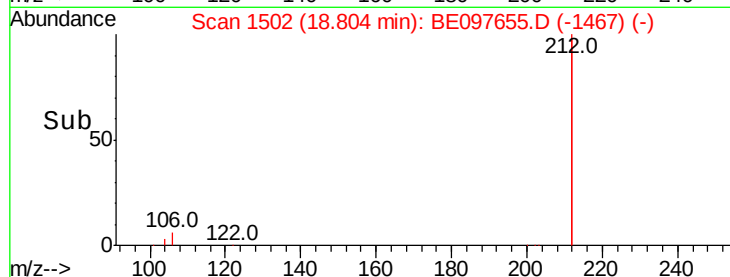
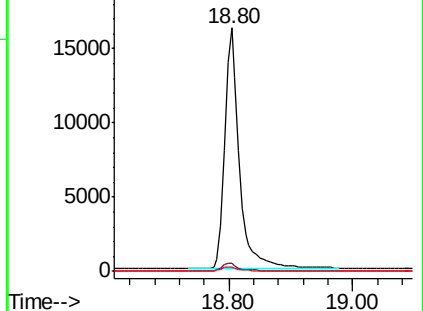
104 1.8 1.6 2.4



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: 0.422 ng

RT: 18.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

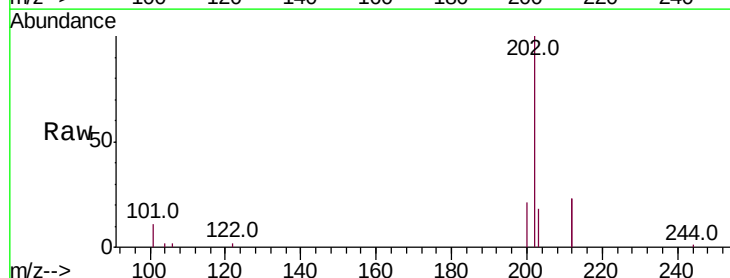
Tgt Ion:202 Resp: 6526

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

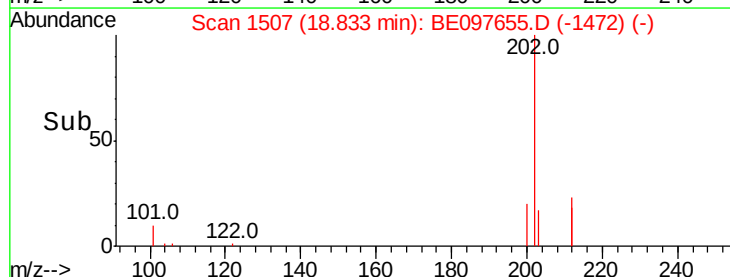
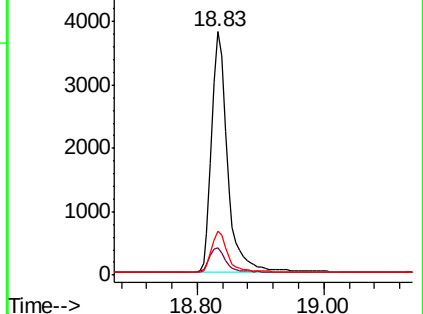
203 17.2 13.7 20.5

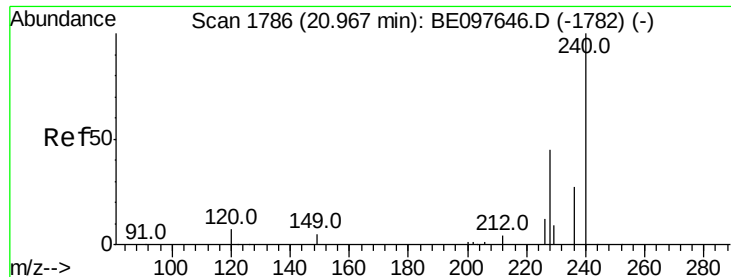


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

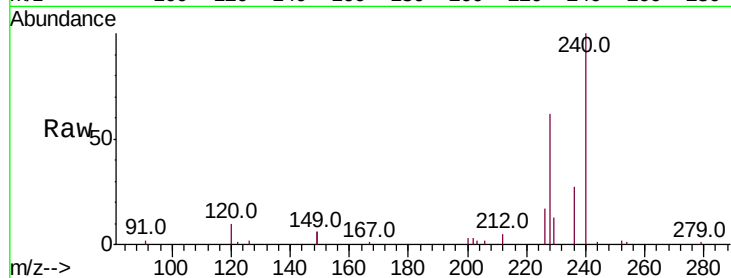
Tot Ion:240 Resp: 7162

Ion Ratio Lower Upper

240 100

120 9.8 5.5 8.3#

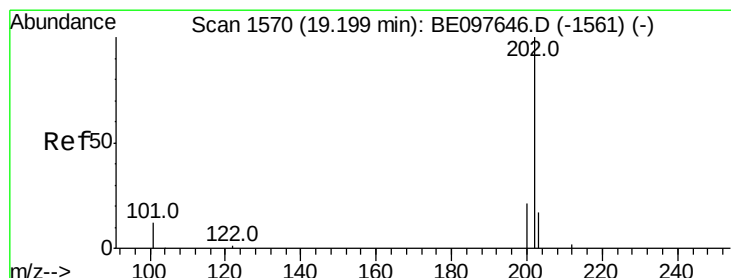
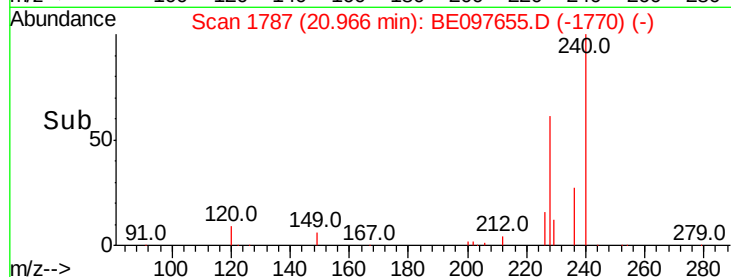
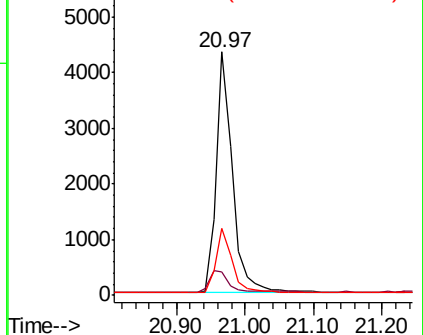
236 27.5 20.7 31.1



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: 0.347 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

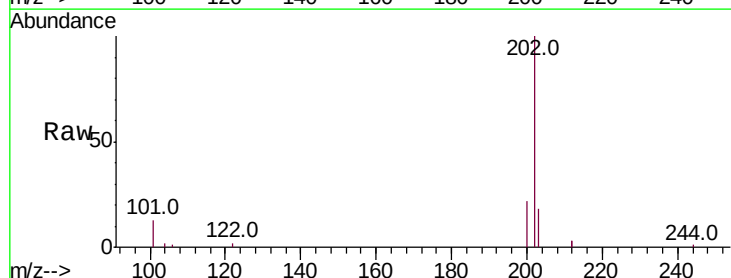
Tgt Ion:202 Resp: 6483

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

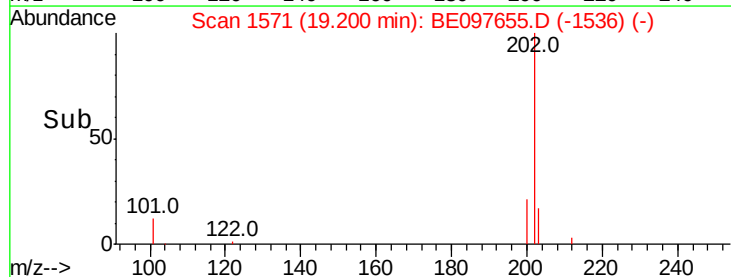
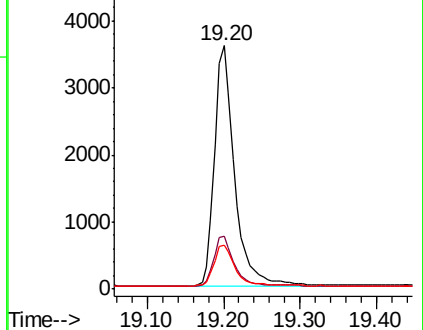
203 18.0 13.8 20.8

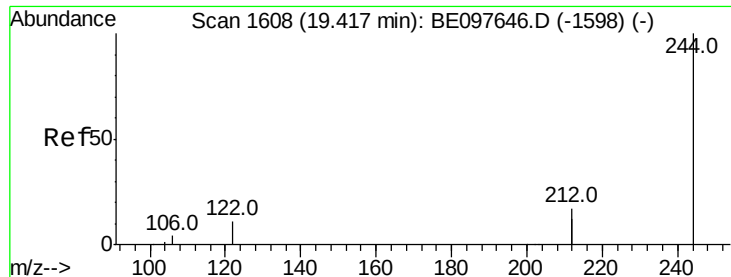


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.334 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

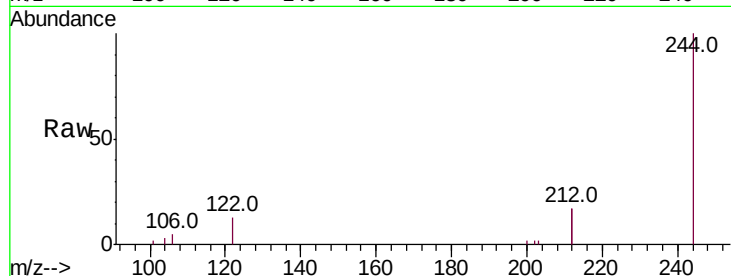
Tot Ion:244 Resp: 4716

Ion Ratio Lower Upper

244 100

212 34.8 25.4 38.0

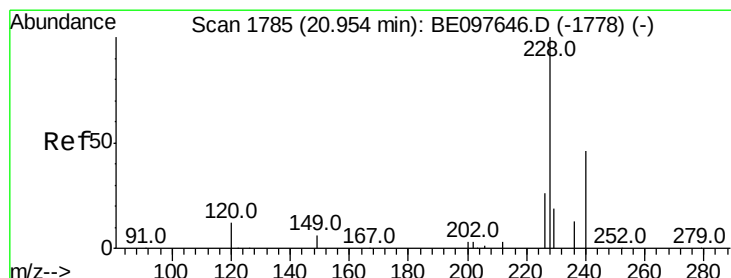
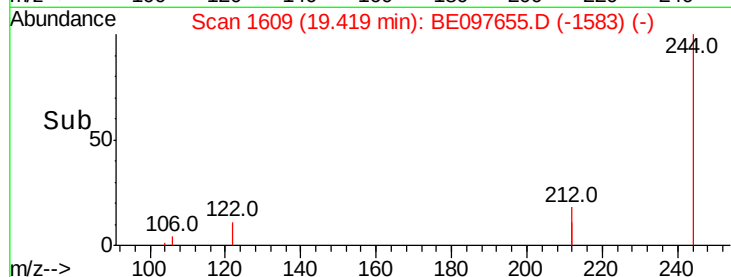
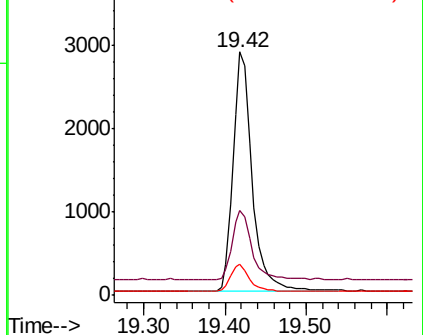
122 13.0 8.1 12.1#



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: 0.419 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

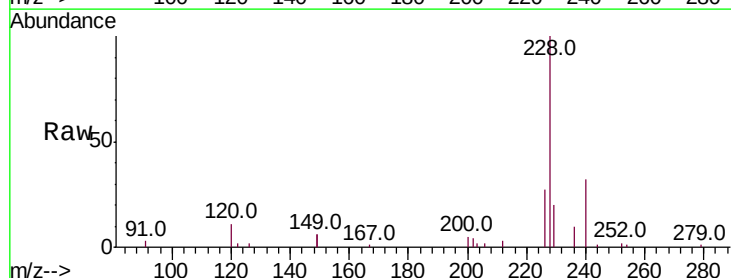
Tgt Ion:228 Resp: 7095

Ion Ratio Lower Upper

228 100

226 27.5 24.0 36.0

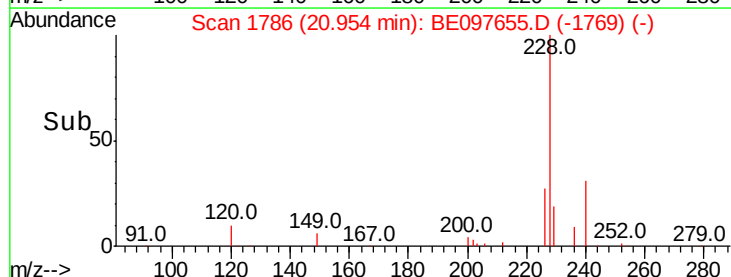
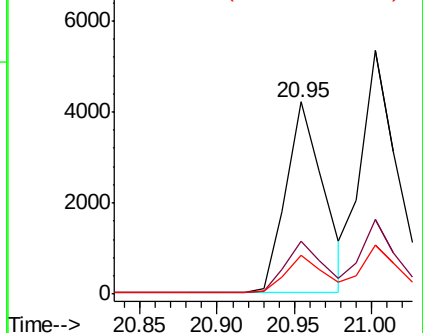
229 20.3 16.0 24.0

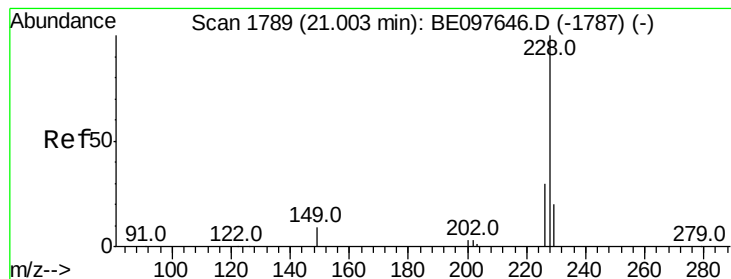


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.437 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

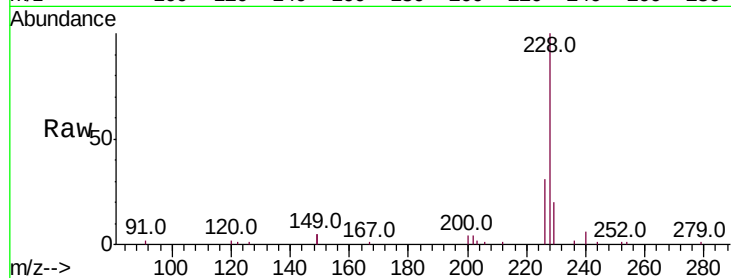
BNA_E

ClientSampleId :

PB113162BS

Tot Ion:228 Resp: 8647

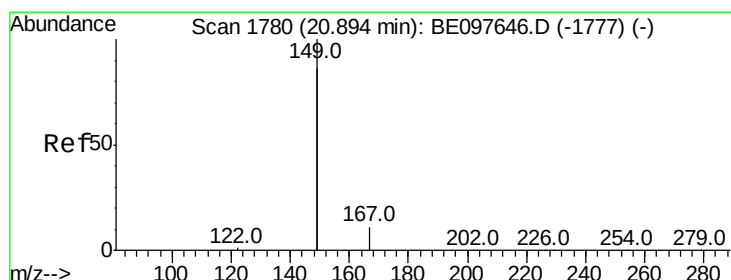
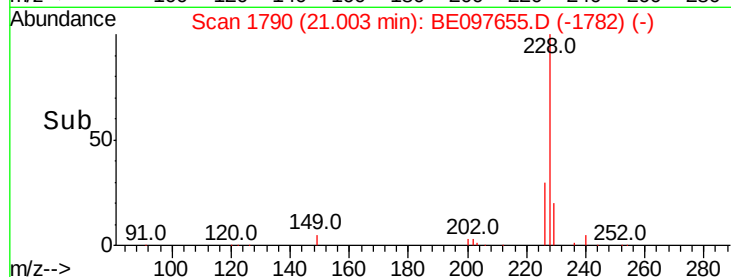
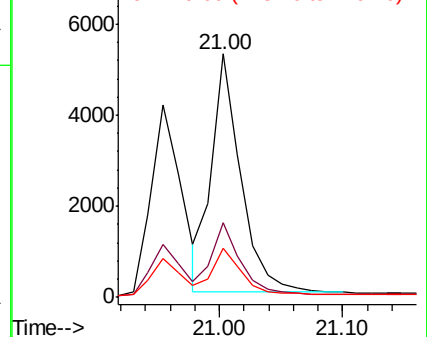
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	20.3	16.0	24.0



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: 0.367 ng

RT: 20.89 min Scan# 1781

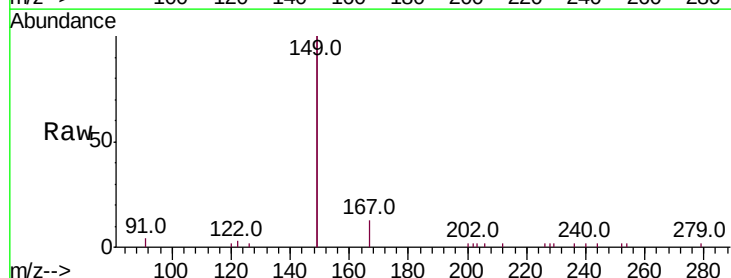
Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Tgt Ion:149 Resp: 7100

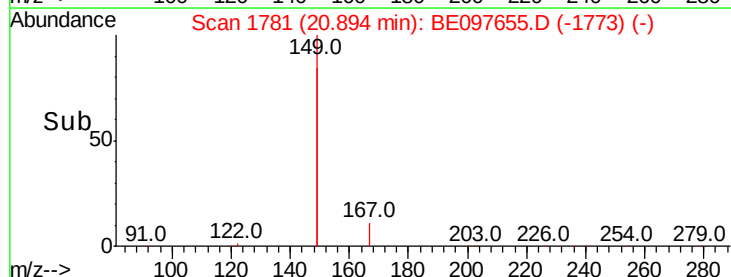
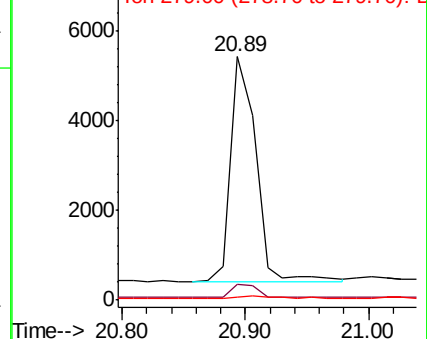
Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.4	8.0
279	0.9	0.7	1.1

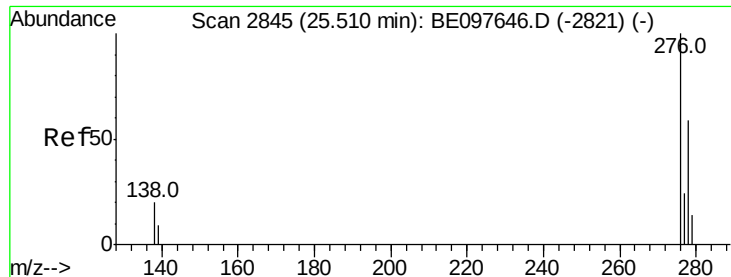


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.515 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

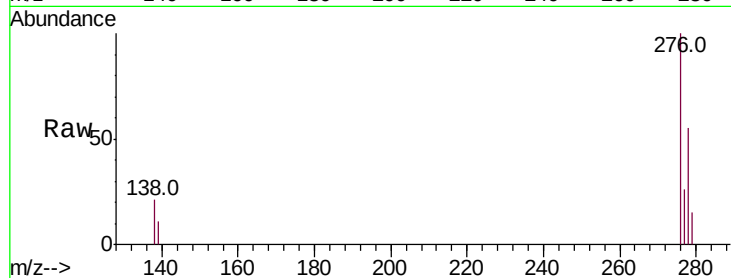
Tot Ion:276 Resp: 10742

Ion Ratio Lower Upper

276 100

138 21.0 22.5 33.7#

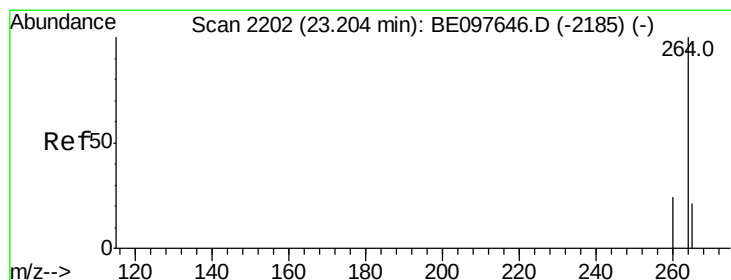
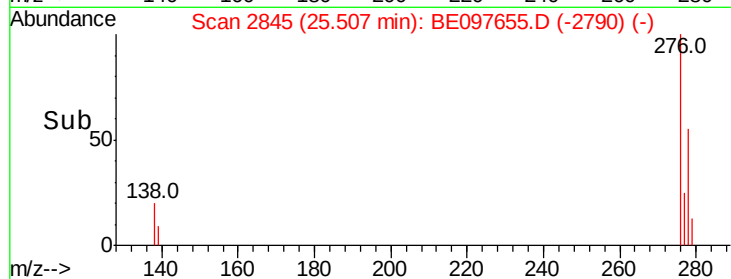
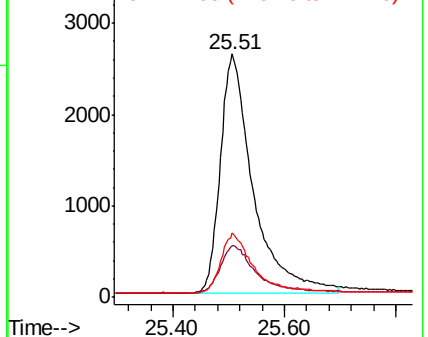
277 24.5 19.9 29.9



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: 23.21 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

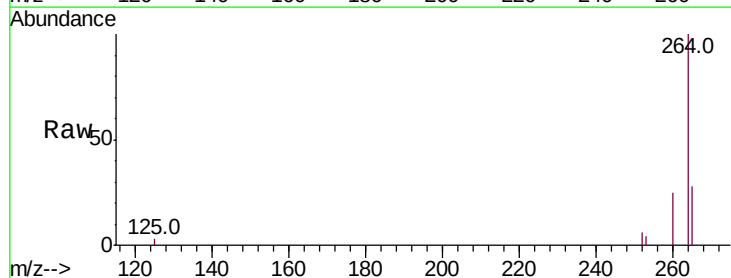
Tgt Ion:264 Resp: 7467

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

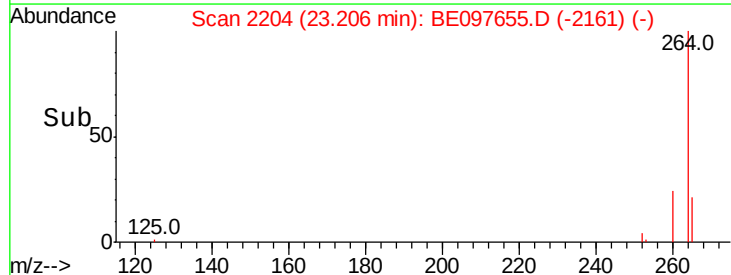
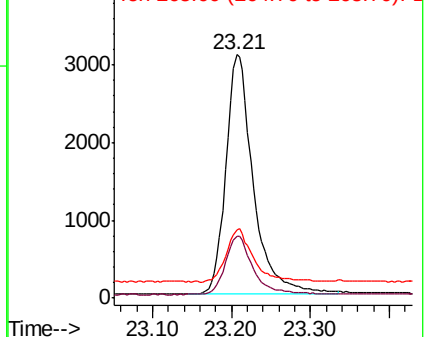
265 27.8 22.8 34.2

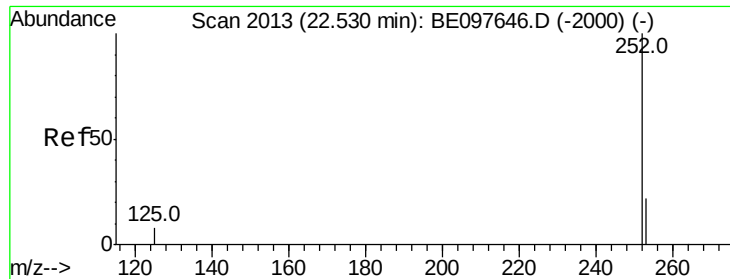


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.435 ng

RT: 22.53 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

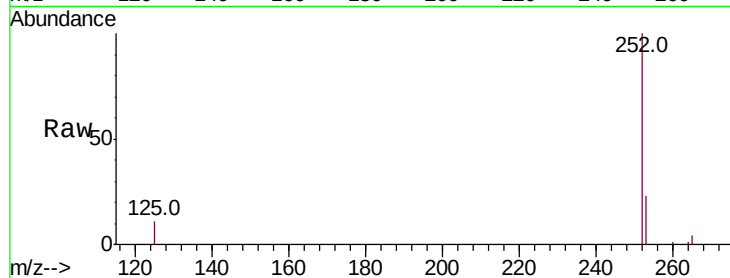
Tot Ion:252 Resp: 8301

Ion Ratio Lower Upper

252 100

253 23.3 20.0 30.0

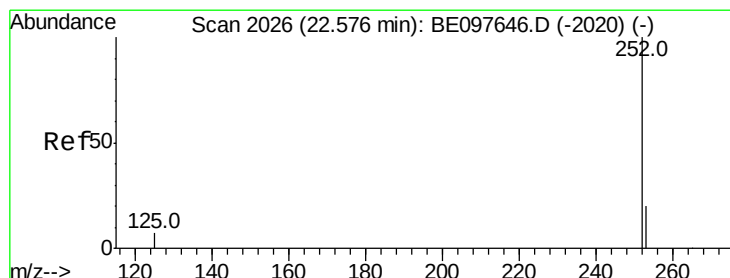
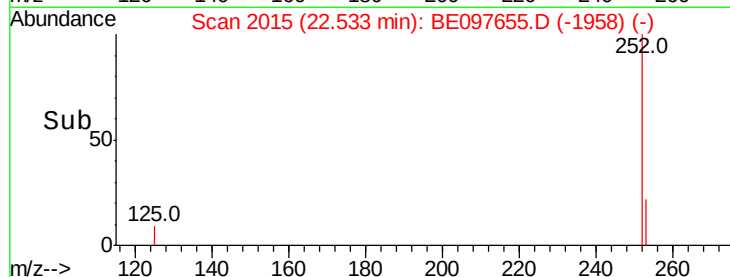
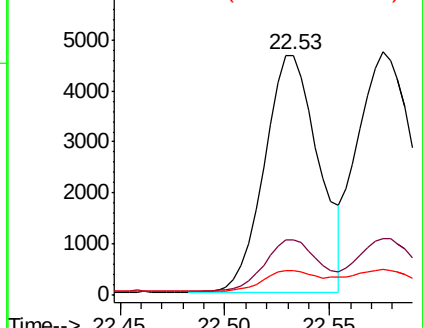
125 10.5 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.432 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

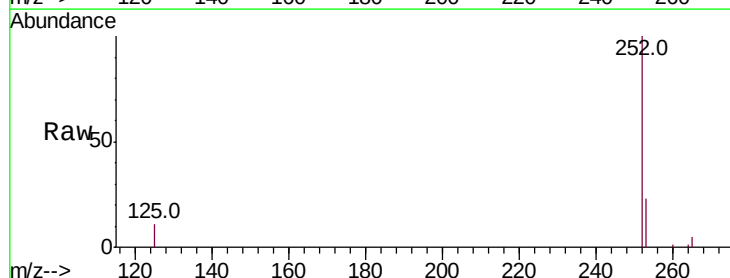
Tgt Ion:252 Resp: 9759

Ion Ratio Lower Upper

252 100

253 23.4 16.0 24.0

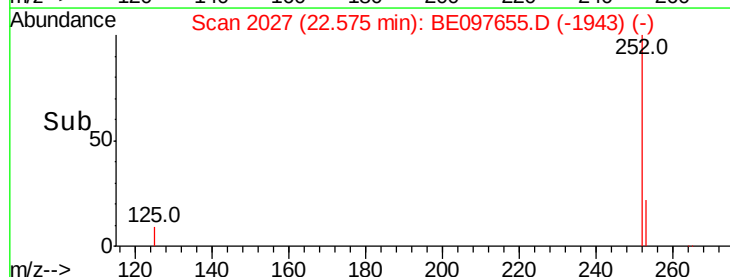
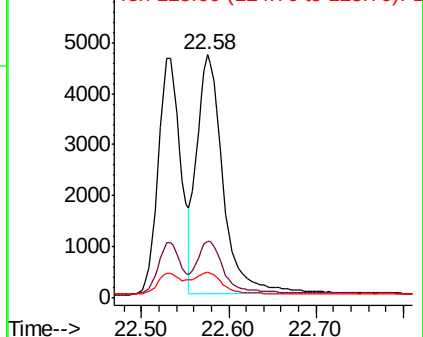
125 10.6 8.0 12.0

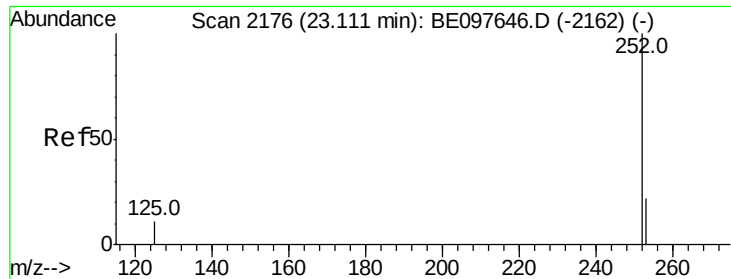


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.437 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

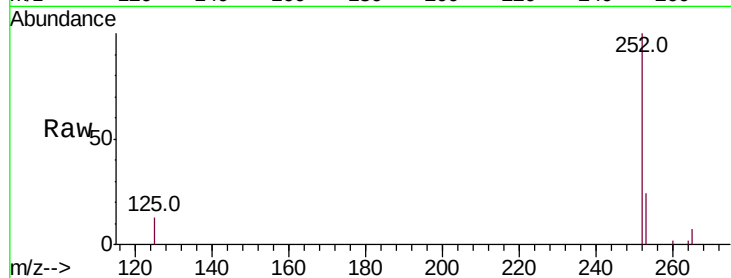
Tot Ion:252 Resp: 8229

Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

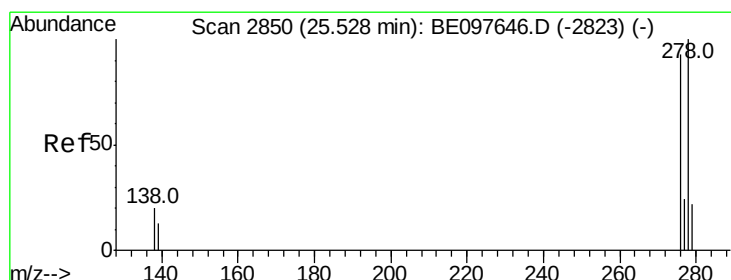
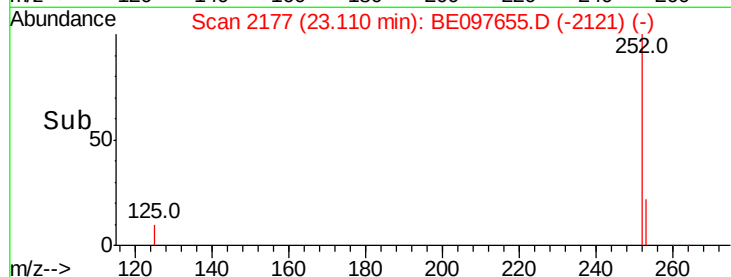
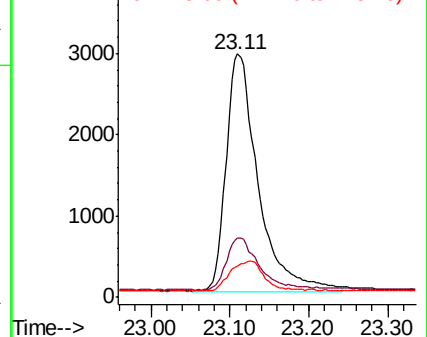
125 12.6 12.0 18.0



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: 0.439 ng

RT: 25.52 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

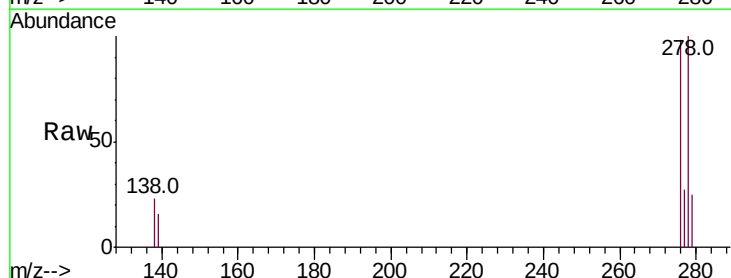
Tgt Ion:278 Resp: 8700

Ion Ratio Lower Upper

278 100

139 15.6 16.0 24.0#

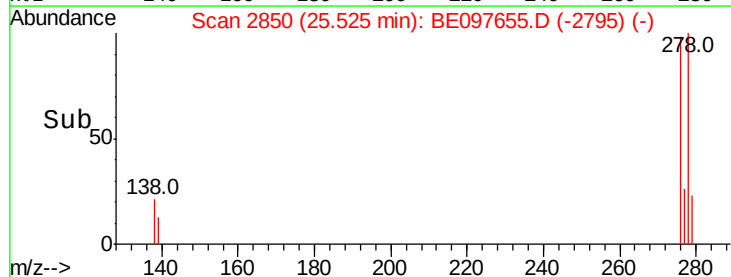
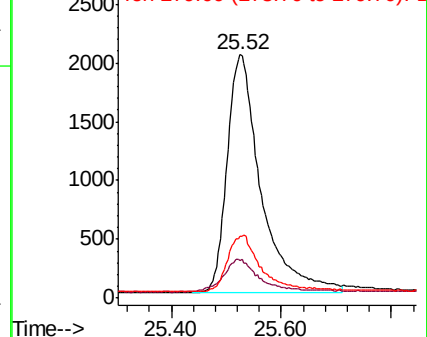
279 25.2 20.0 30.0

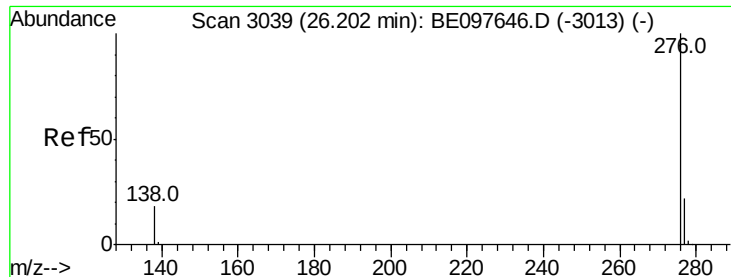


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.447 ng

RT: 26.21 min Scan# 3043

Delta R.T. 0.01 min

Lab File: BE097655.D

Acq: 25 Sep 2018 13:33

Instrument :

BNA_E

ClientSampleId :

PB113162BS

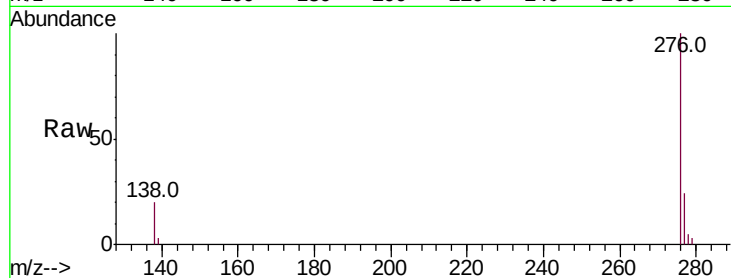
Tot Ion:276 Resp: 8819

Ion Ratio Lower Upper

276 100

277 24.4 16.0 24.0#

138 19.8 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

