

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100518\
 Data File : BE097787.D
 Acq On : 6 Oct 2018 11:55
 Operator : SJ/JU
 Sample : PB113577BS
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113577BS

Quant Time: Oct 08 06:40:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 06:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	4912	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	18484	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	9070	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	20853	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	22665	0.40	ng	-0.01
34) Perylene-d12	24.03	264	24597	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	5046	0.43	ng	0.00
5) Phenol-d6	7.05	99	6605	0.37	ng	0.00
8) Nitrobenzene-d5	9.04	82	4635	0.77	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	14188	0.48	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	675	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	16691	0.42	ng	-0.01
25) Fluoranthene-d10	19.33	212	93584	0.35	ng	0.00
29) Terphenyl-d14	19.92	244	16936	0.37	ng	-0.01

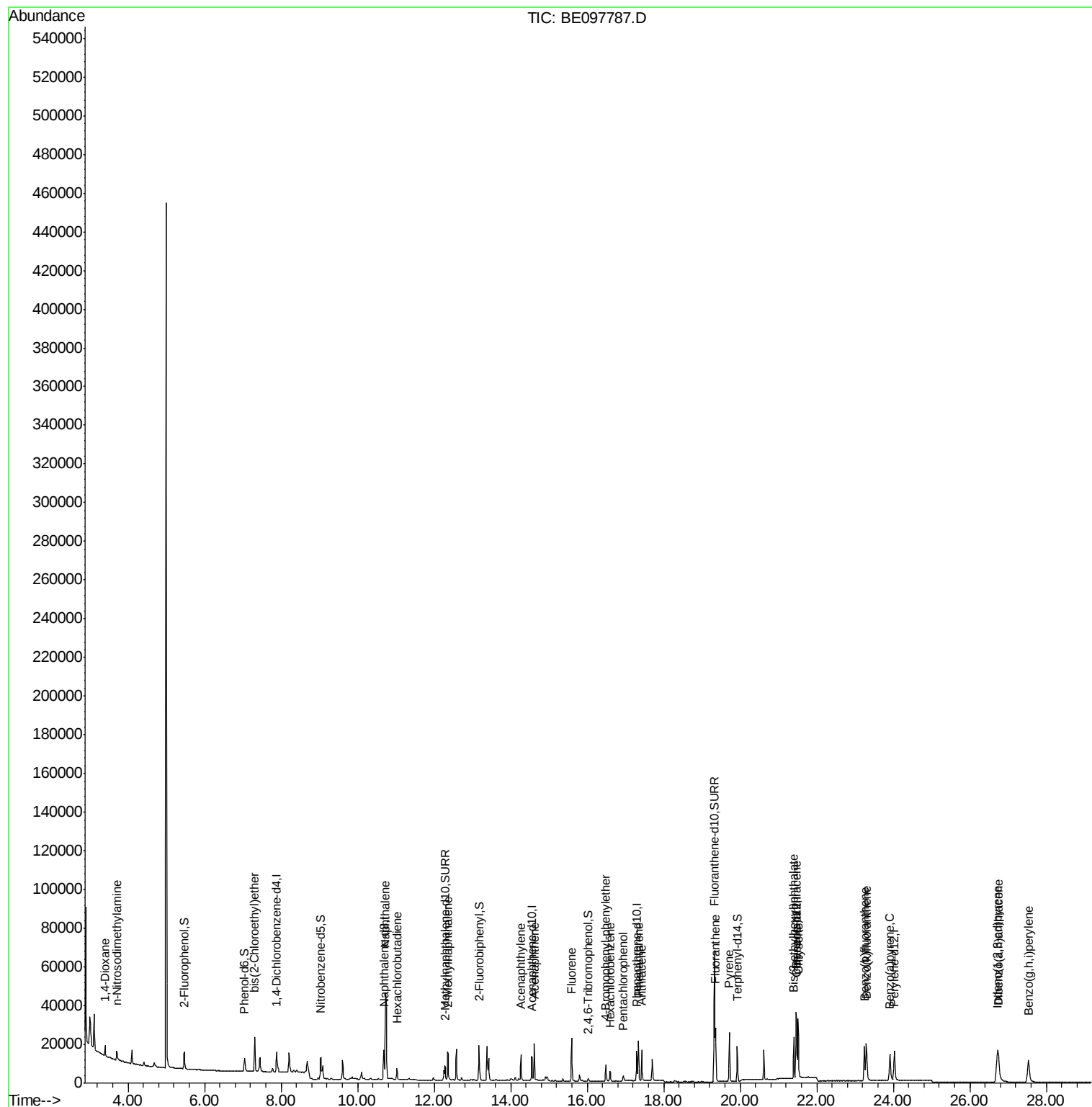
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	3562	0.364	ng	# 92
3) n-Nitrosodimethylamine	3.71	42	3490	0.392	ng	# 85
6) bis(2-Chloroethyl)ether	7.31	93	6451	0.350	ng	96
9) Naphthalene	10.73	128	78210	0.420	ng	100
10) Hexachlorobutadiene	11.03	225	3861	0.391	ng	98
12) 2-Methylnaphthalene	12.35	142	12265	0.411	ng	96
16) Acenaphthylene	14.27	152	15289	0.381	ng	98
17) Acenaphthene	14.62	154	9886	0.384	ng	97
18) Fluorene	15.59	166	12762	0.374	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	4297	0.393	ng	93
21) Hexachlorobenzene	16.60	284	4581	0.372	ng	98
22) Pentachlorophenol	16.94	266	1651	0.855	ng	95
23) Phenanthrene	17.34	178	21809	0.406	ng	99
24) Anthracene	17.43	178	18292	0.394	ng	100
26) Fluoranthene	19.35	202	25095	0.367	ng	99
28) Pyrene	19.72	202	24704	0.429	ng	99
30) Benzo(a)anthracene	21.46	228	25554	0.419	ng	98
31) Chrysene	21.51	228	28807	0.423	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	20902	0.469	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	33339	0.564	ng	98
35) Benzo(b)fluoranthene	23.25	252	27696	0.410	ng	98
36) Benzo(k)fluoranthene	23.30	252	30872	0.413	ng	99
37) Benzo(a)pyrene	23.91	252	25701	0.421	ng	99
38) Dibenzo(a,h)anthracene	26.74	278	28524	0.474	ng	96
39) Benzo(g,h,i)perylene	27.53	276	30875	0.490	ng	99

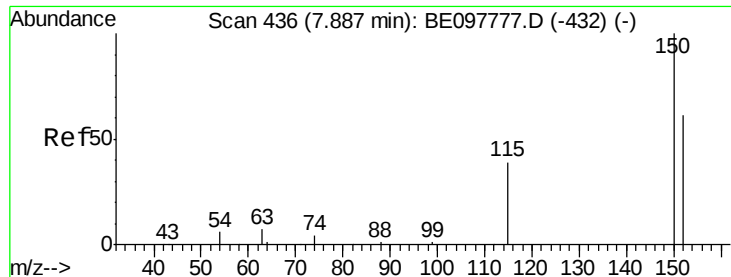
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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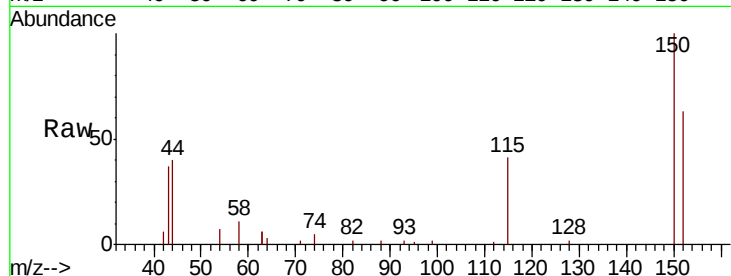


#1

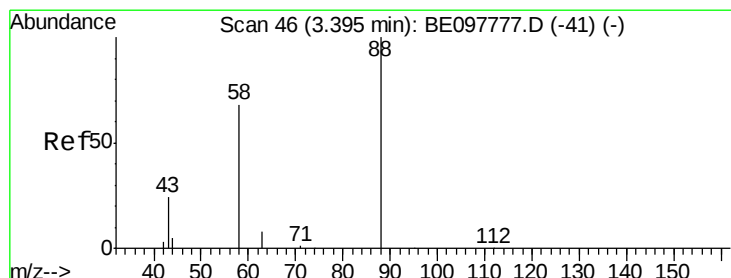
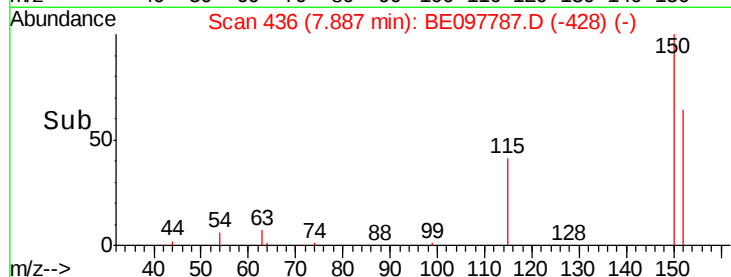
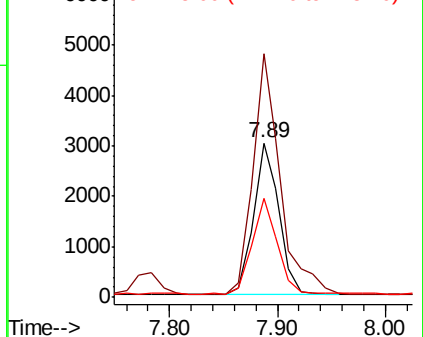
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

Instrument :
BNA_E
ClientSampleId :
PB113577BS

Tgt Ion:152 Resp: 4912
Ion Ratio Lower Upper
152 100
150 158.1 120.9 181.3
115 64.2 46.6 69.8



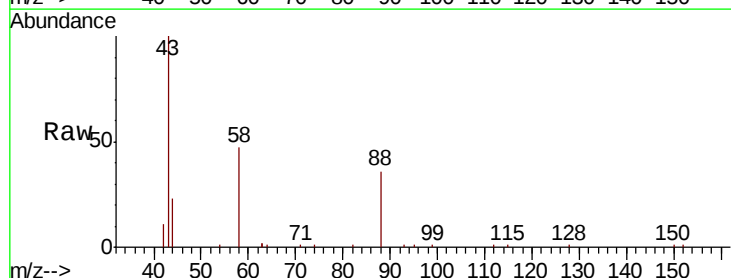
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



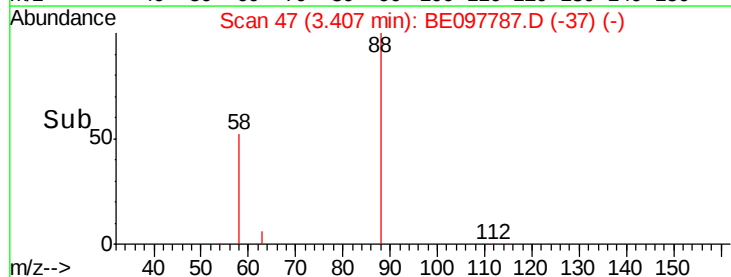
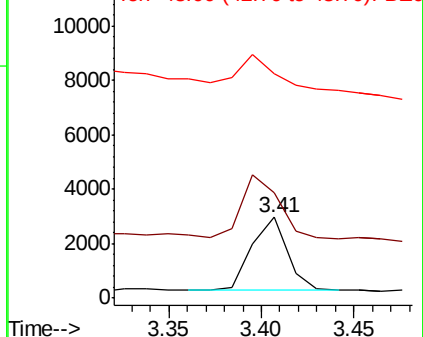
#2

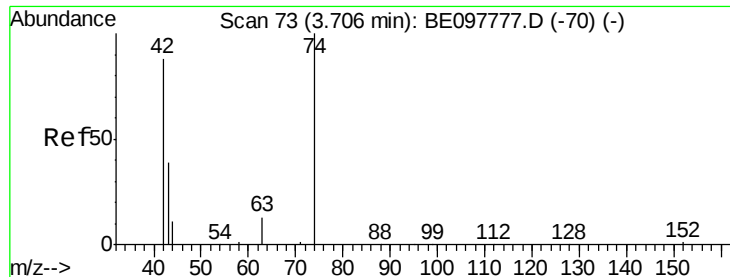
1,4-Dioxane
Concen: 0.364 ng
RT: 3.41 min Scan# 47
Delta R.T. 0.01 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

Tgt Ion: 88 Resp: 3562
Ion Ratio Lower Upper
88 100
58 92.5 70.8 106.2
43 52.4 33.3 49.9#



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





#3

n-Nitrosodimethylamine

Concen: 0.392 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

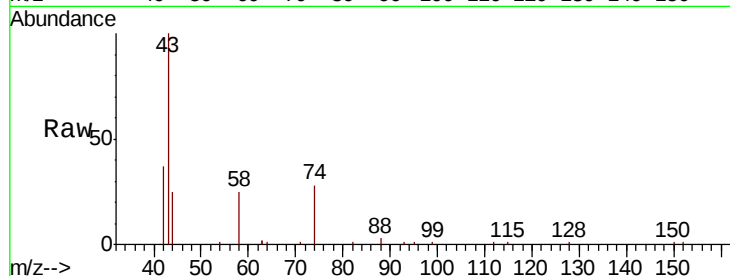
Tgt Ion: 42 Resp: 3490

Ion Ratio Lower Upper

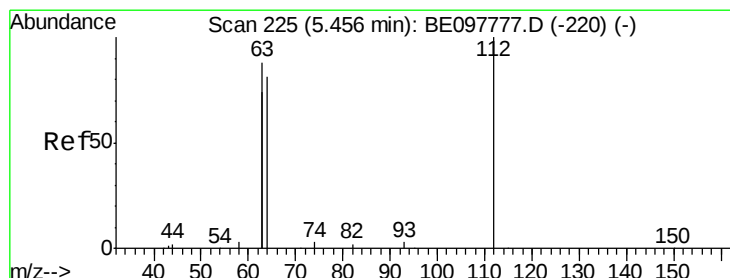
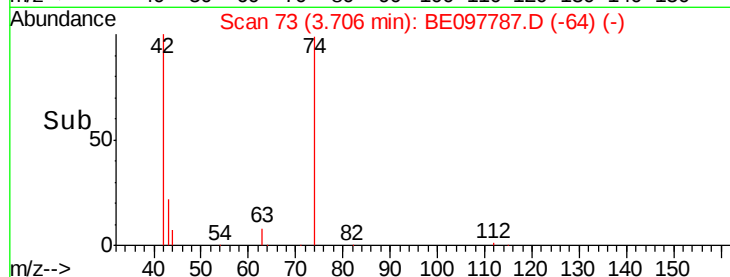
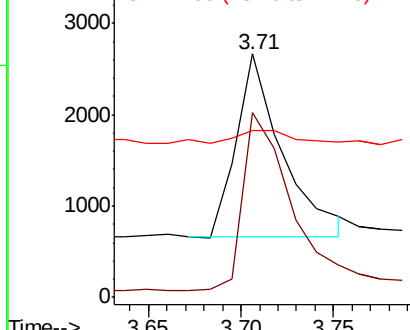
42 100

74 101.0 70.7 106.1

44 8.5 15.0 22.4#



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



#4

2-Fluorophenol

Concen: 0.434 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

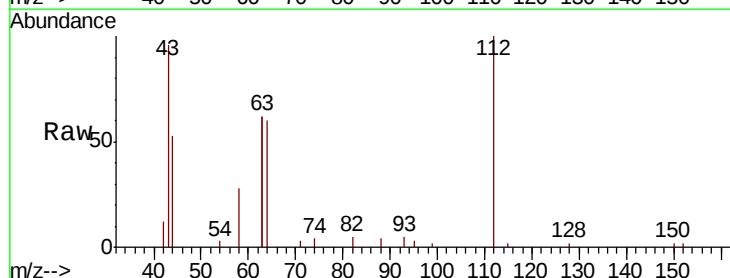
Tgt Ion: 112 Resp: 5046

Ion Ratio Lower Upper

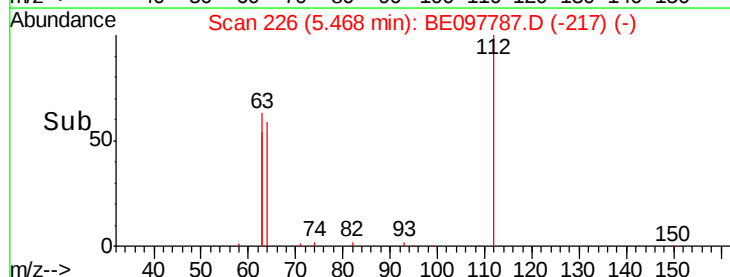
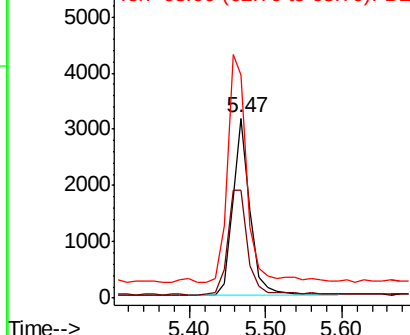
112 100

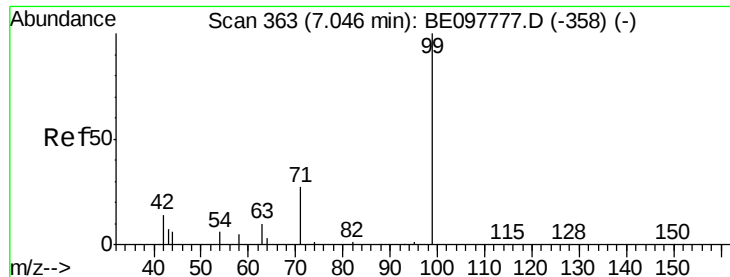
64 70.5 56.6 84.8

63 144.4 119.4 179.0



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





#5

Phenol-d6

Concen: 0.371 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

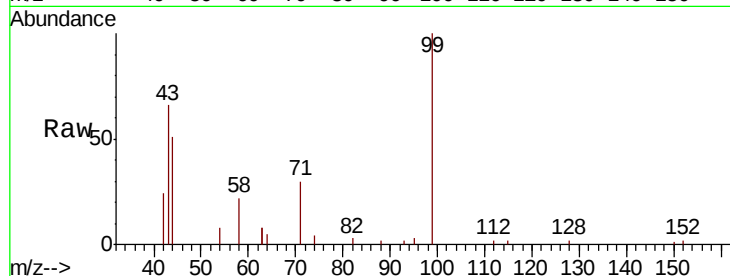
Tgt Ion: 99 Resp: 6605

Ion Ratio Lower Upper

99 100

42 28.2 19.9 29.9

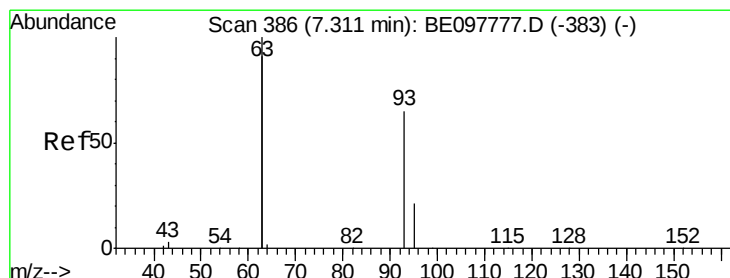
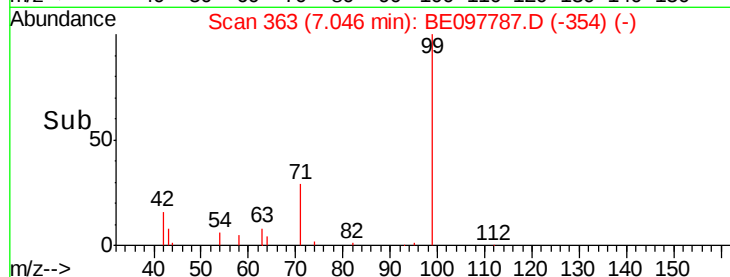
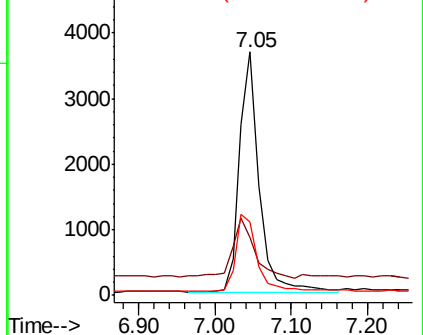
71 34.8 25.4 38.2



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.350 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

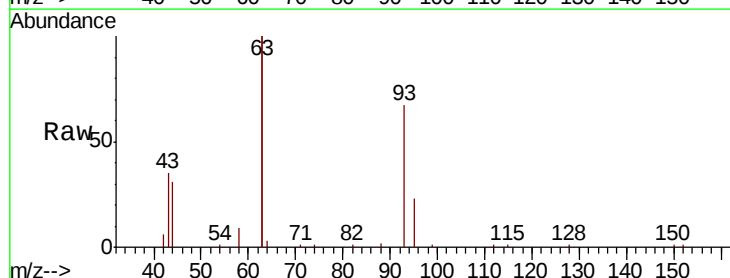
Tgt Ion: 93 Resp: 6451

Ion Ratio Lower Upper

93 100

63 341.8 266.9 400.3

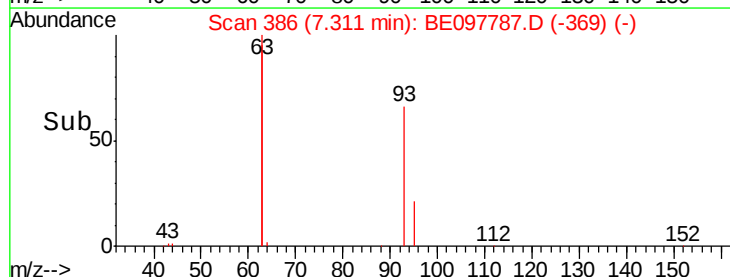
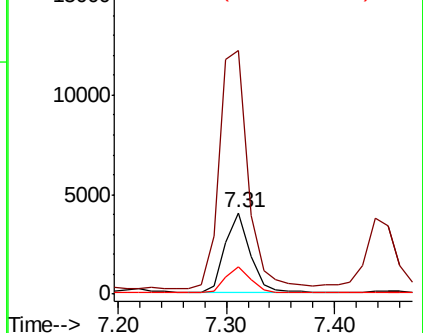
95 32.8 26.2 39.2

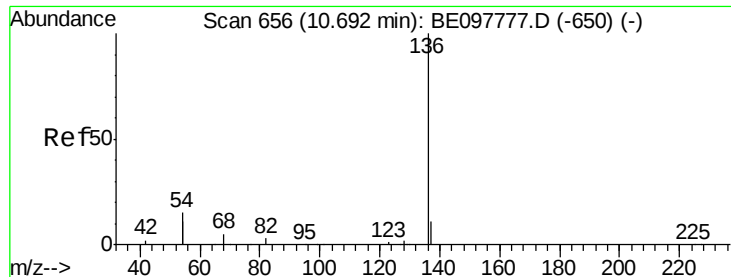


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

Tgt Ion:136 Resp: 18484

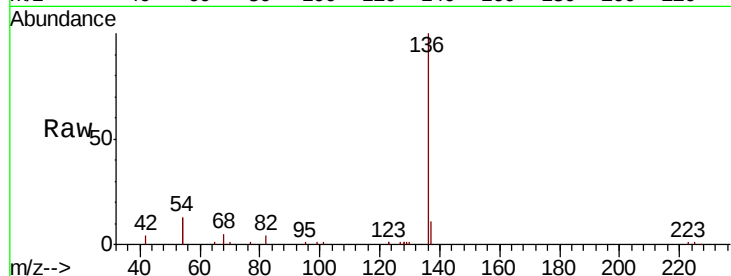
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 27.0 37.8 56.6#

68 5.2 6.4 9.6#

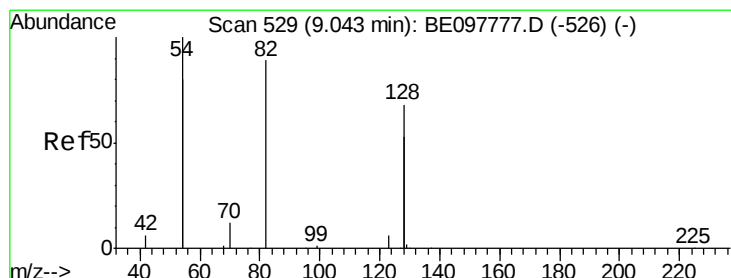
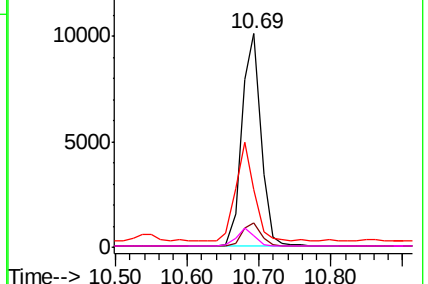
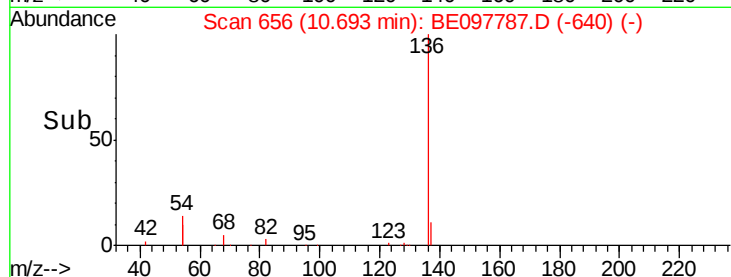


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.772 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

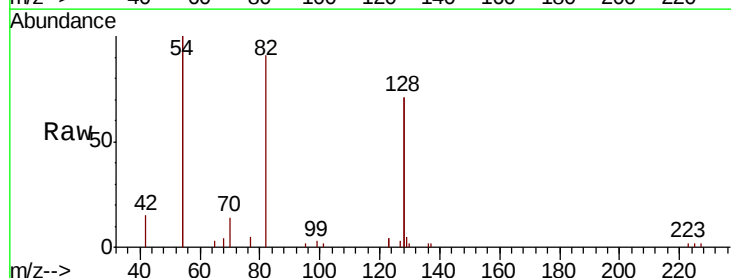
Tgt Ion: 82 Resp: 4635

Ion Ratio Lower Upper

82 100

128 155.9 97.0 145.4#

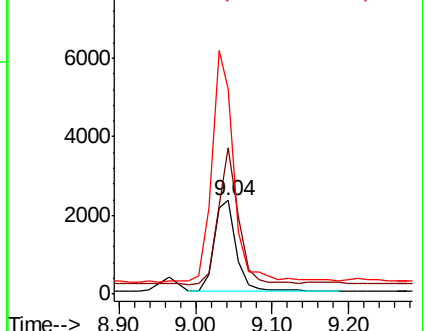
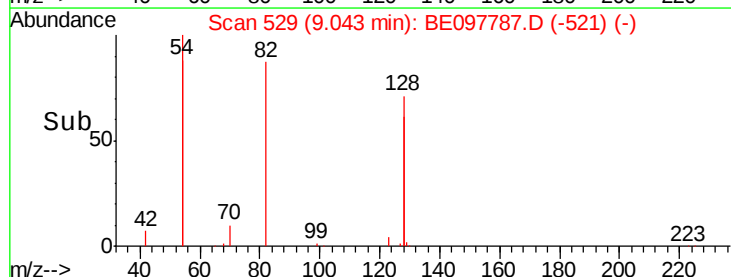
54 219.3 206.9 310.3

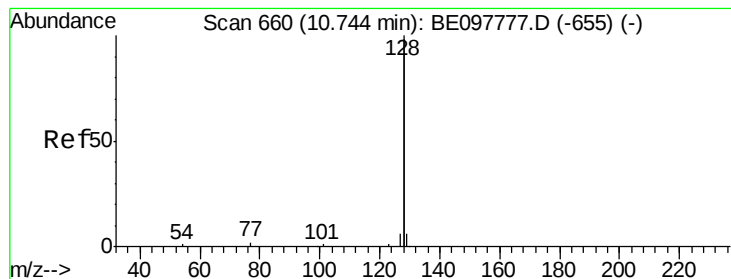


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.420 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

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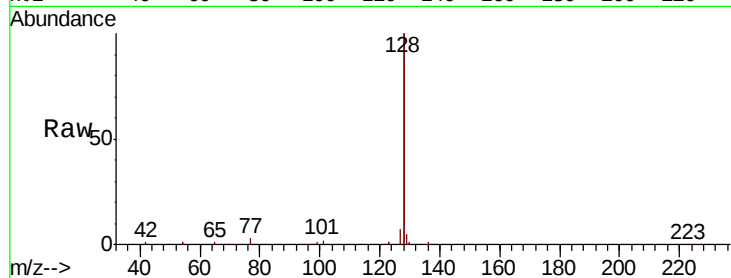
Tgt Ion:128 Resp: 78210

Ion Ratio Lower Upper

128 100

129 2.7 2.2 3.2

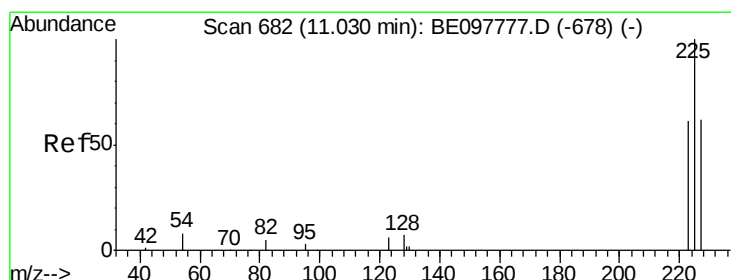
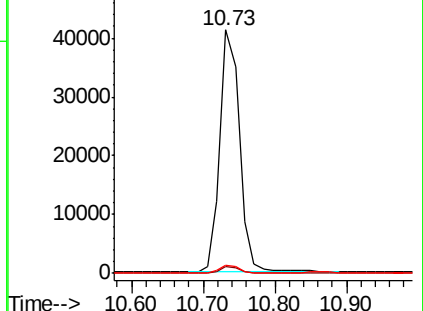
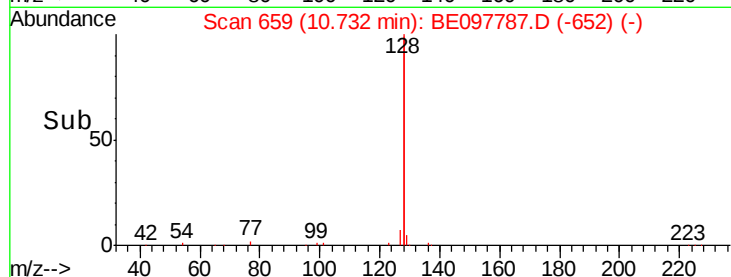
127 3.5 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.391 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

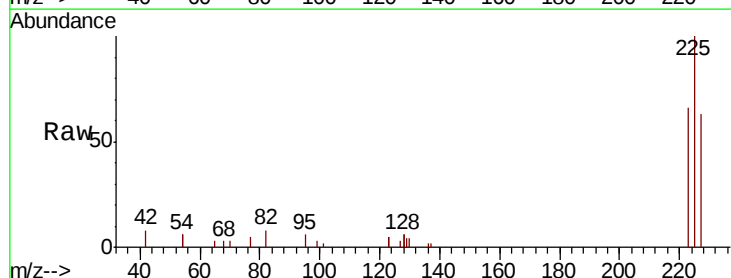
Tgt Ion:225 Resp: 3861

Ion Ratio Lower Upper

225 100

223 63.7 52.2 78.4

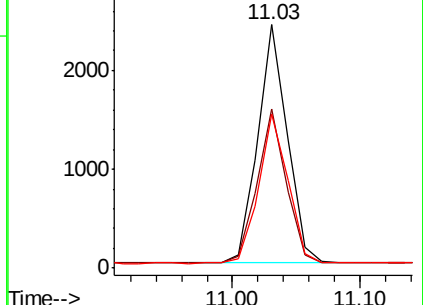
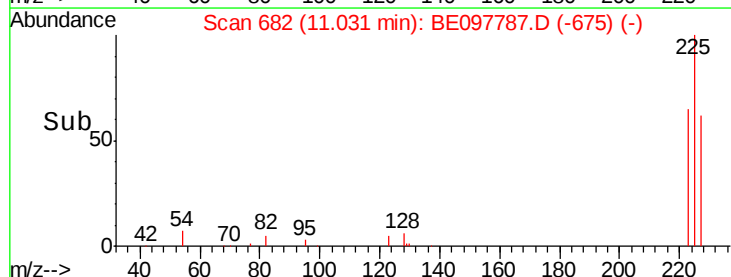
227 63.0 51.2 76.8

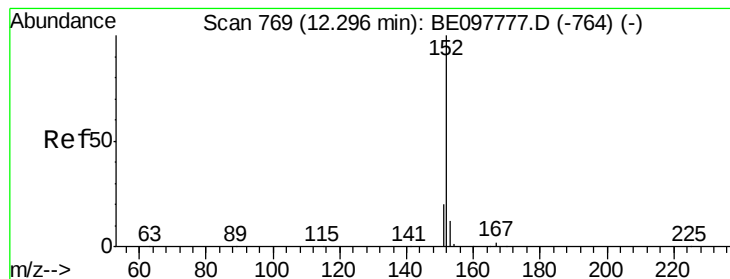


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.482 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

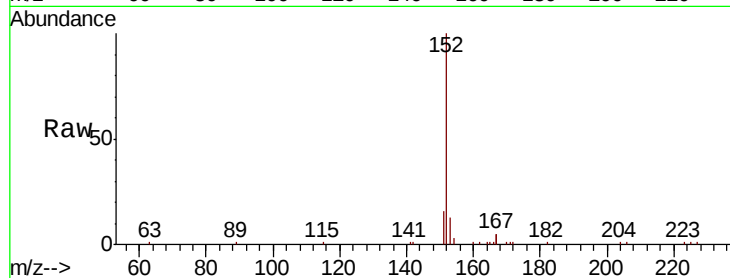
PB113577BS

Tgt Ion:152 Resp: 14188

Ion Ratio Lower Upper

152 100

151 15.0 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

6000

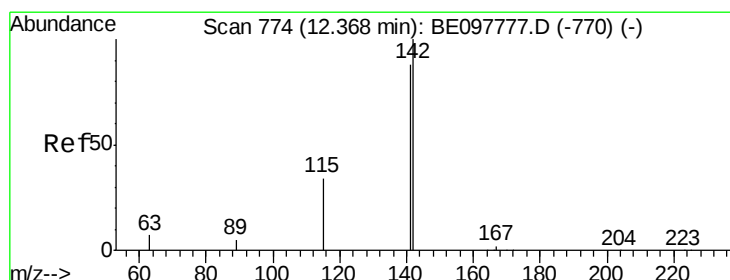
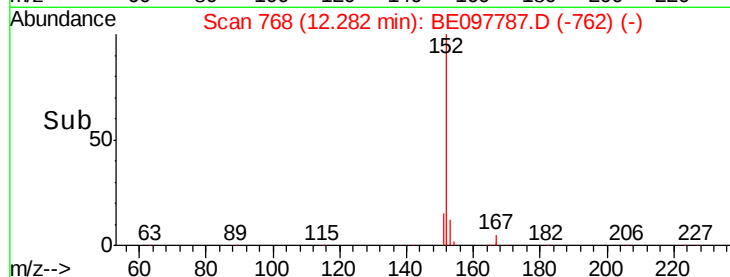
4000

2000

0

12.20 12.28 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.411 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

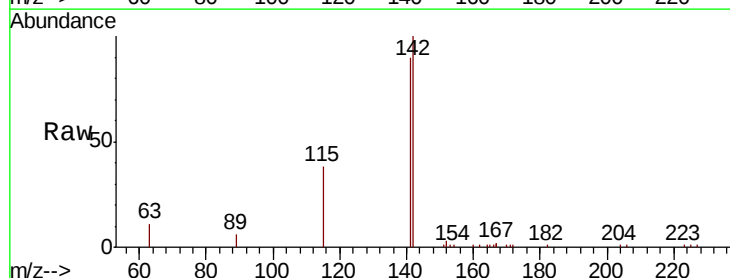
Tgt Ion:142 Resp: 12265

Ion Ratio Lower Upper

142 100

141 90.1 69.4 104.2

115 37.9 28.0 42.0



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

8000

6000

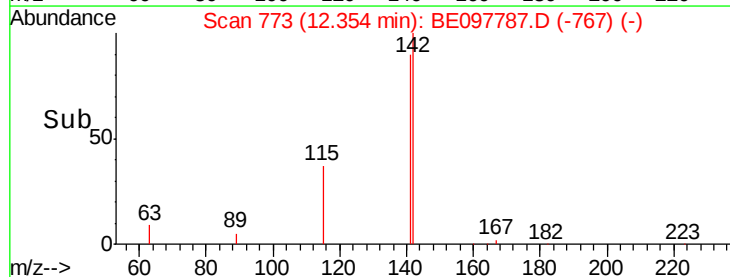
4000

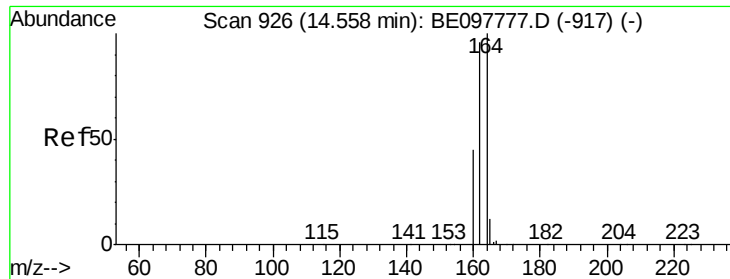
2000

0

12.30 12.35 12.40

Time-->

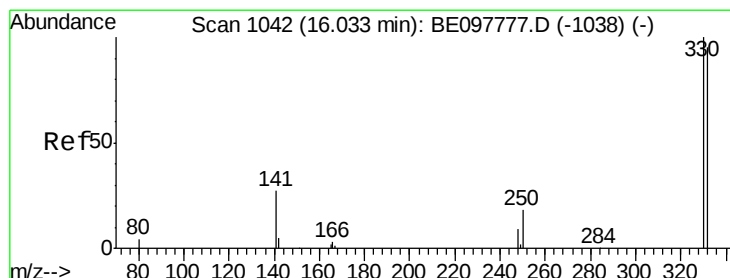
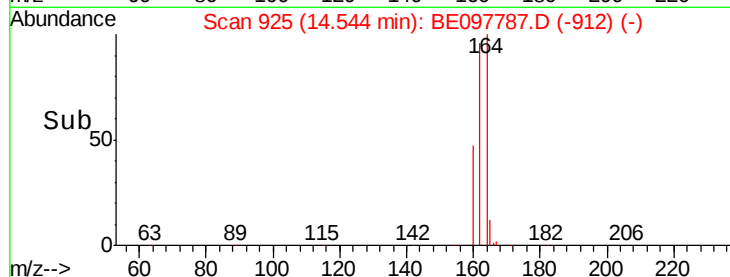
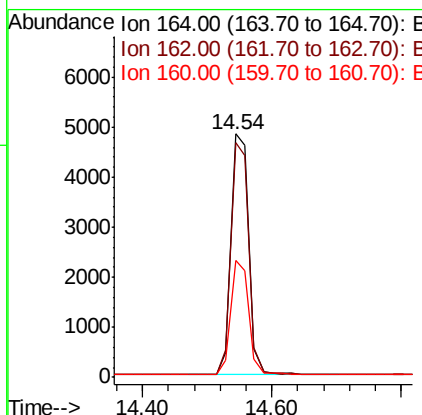
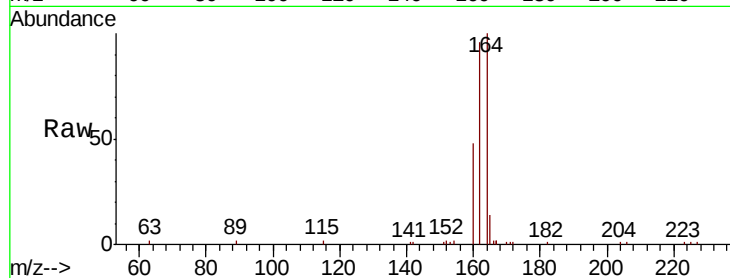




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

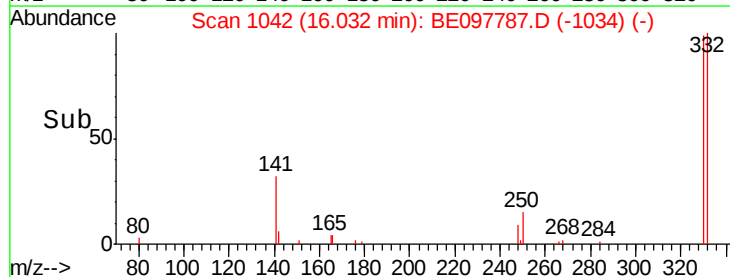
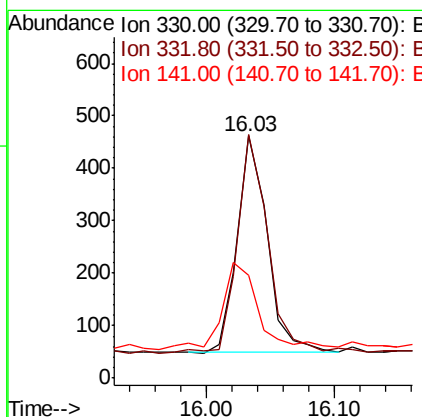
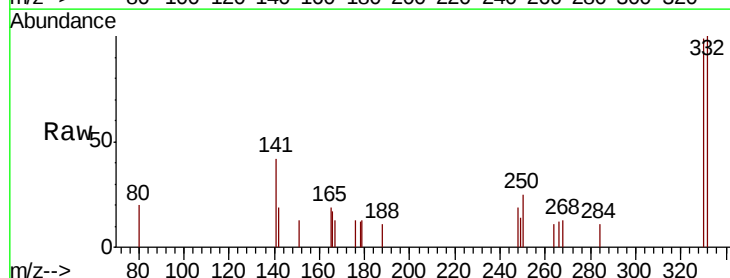
Instrument :
BNA_E
ClientSampleId :
PB113577BS

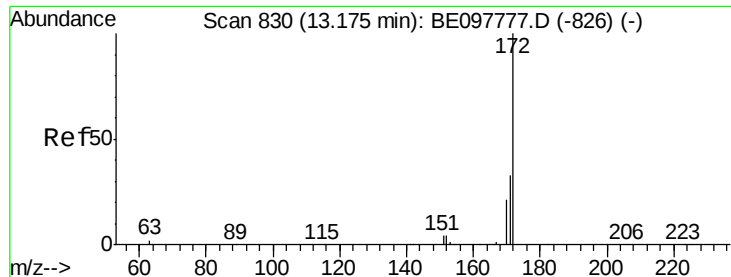
Tgt Ion:164 Resp: 9070
Ion Ratio Lower Upper
164 100
162 96.2 78.6 117.8
160 48.0 37.8 56.6



#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

Tgt Ion:330 Resp: 675
Ion Ratio Lower Upper
330 100
332 105.3 83.5 125.3
141 50.1 34.9 52.3

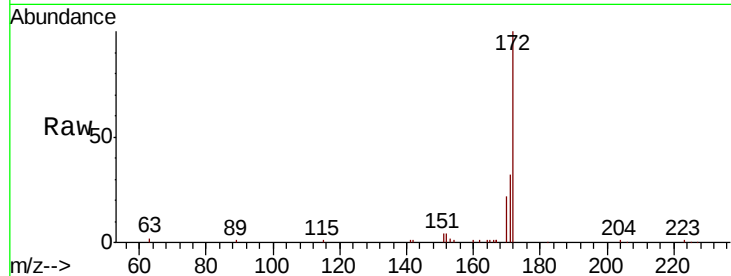




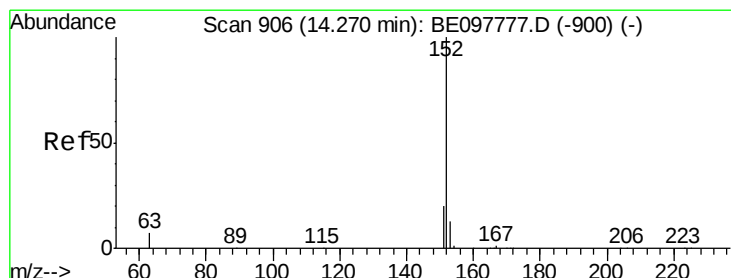
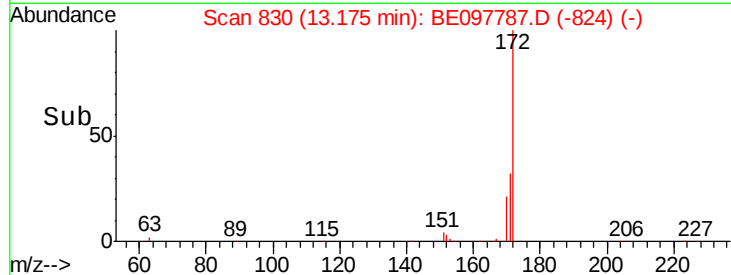
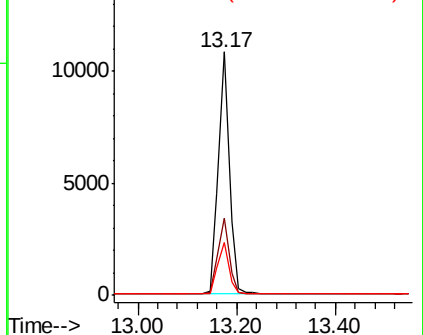
#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

Instrument :
BNA_E
ClientSampleId :
PB113577BS

Tgt Ion:172 Resp: 16691
Ion Ratio Lower Upper
172 100
171 31.8 25.2 37.8
170 21.7 16.2 24.2

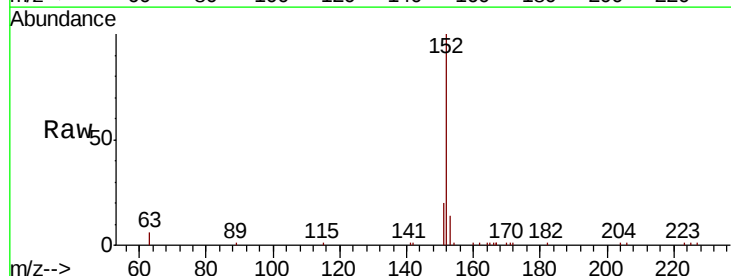


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

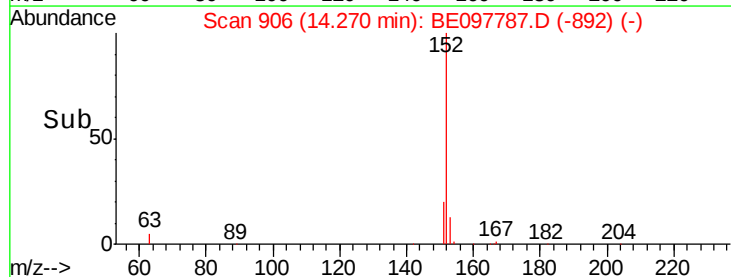
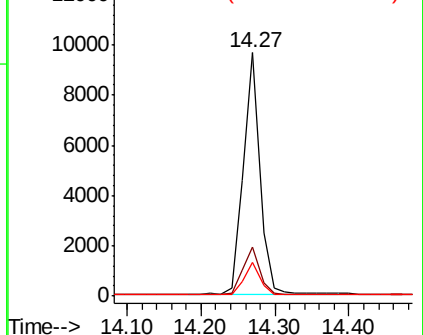


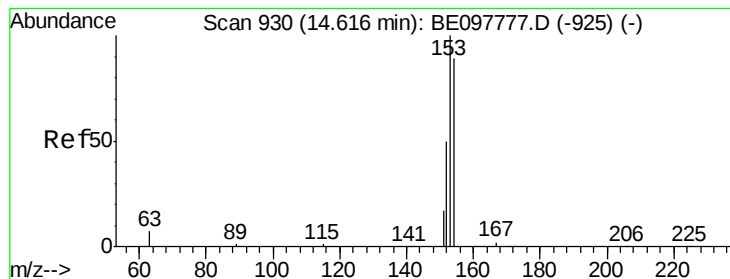
#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

Tgt Ion:152 Resp: 15289
Ion Ratio Lower Upper
152 100
151 20.1 15.3 22.9
153 13.0 10.8 16.2



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: 0.384 ng

RT: 14.62 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

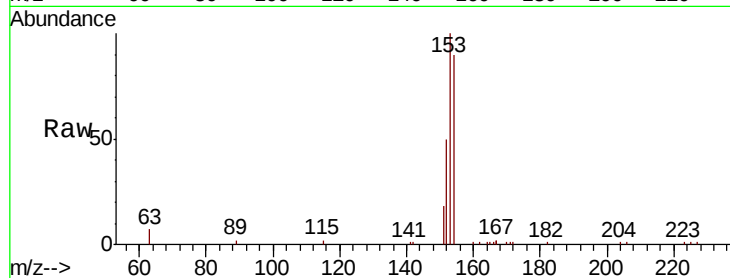
Tgt Ion:154 Resp: 9886

Ion Ratio Lower Upper

154 100

153 113.4 93.3 139.9

152 57.9 48.9 73.3

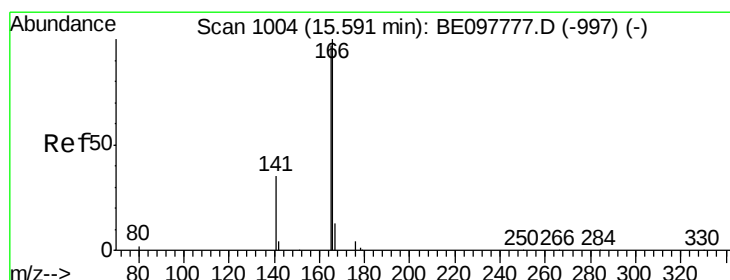
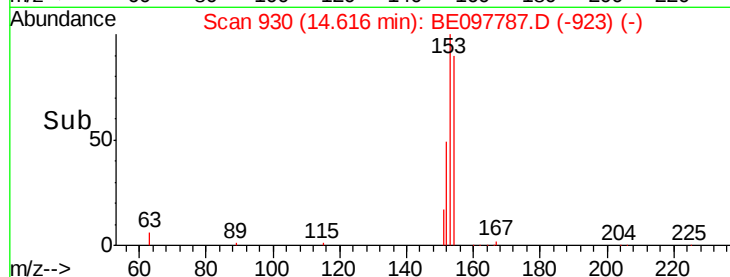
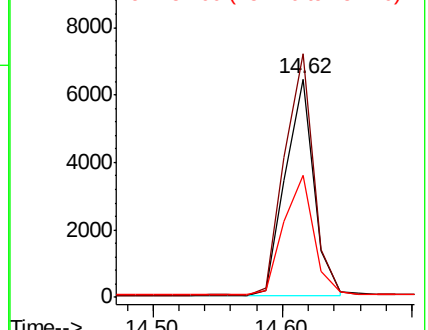


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.374 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

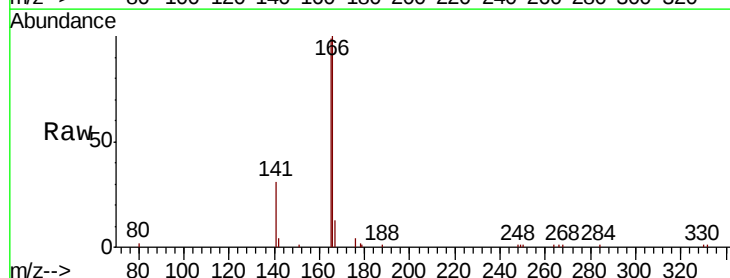
Tgt Ion:166 Resp: 12762

Ion Ratio Lower Upper

166 100

165 99.5 79.0 118.4

167 13.3 11.1 16.7

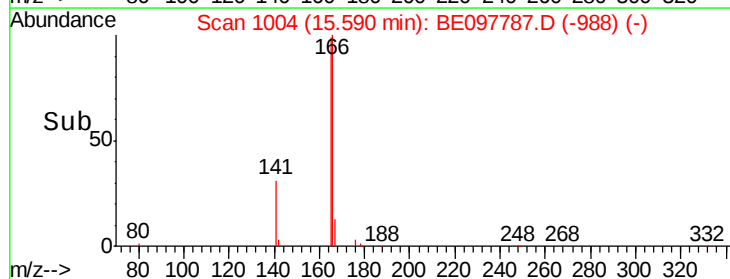
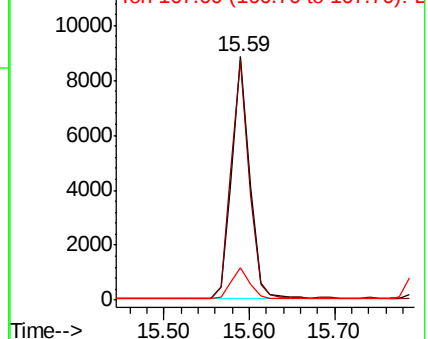


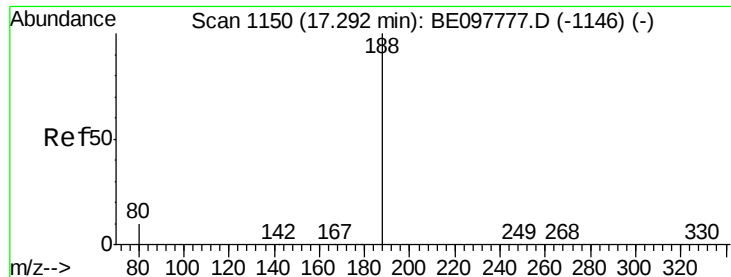
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

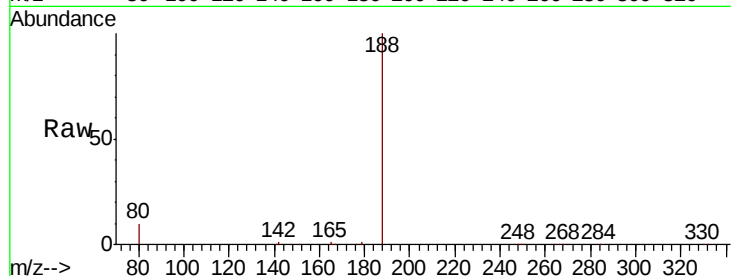
Tgt Ion:188 Resp: 20853

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

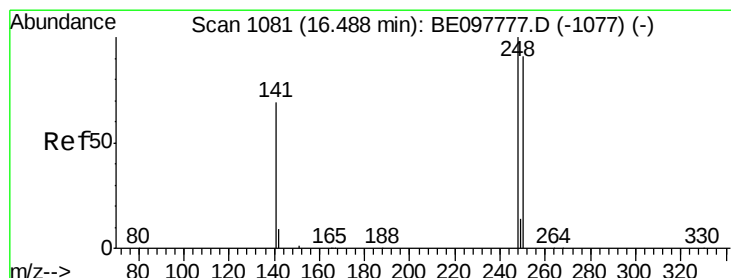
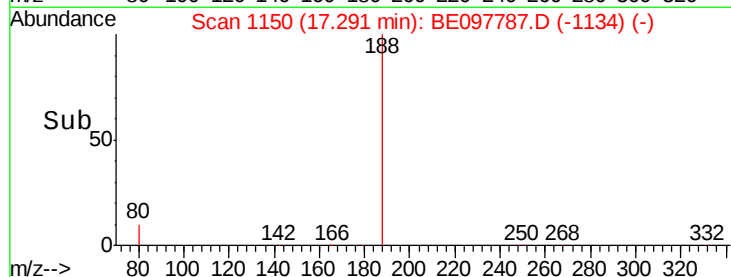
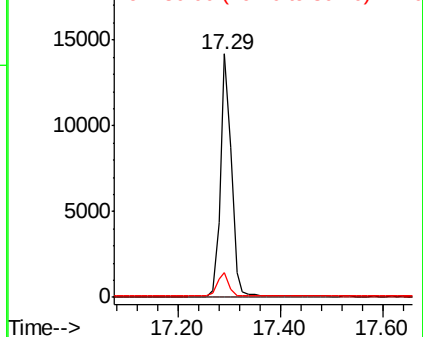
80 10.2 6.6 9.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.393 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

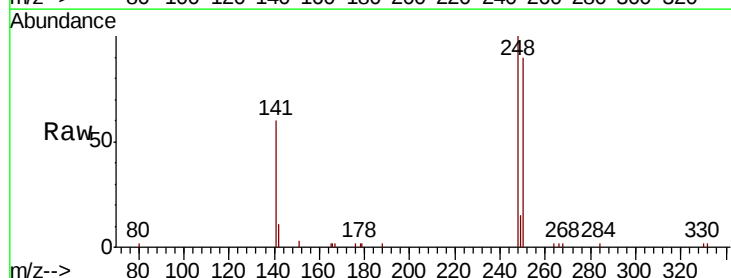
Tgt Ion:248 Resp: 4297

Ion Ratio Lower Upper

248 100

250 90.5 76.1 114.1

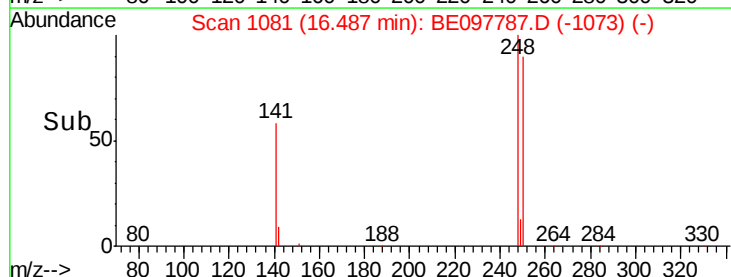
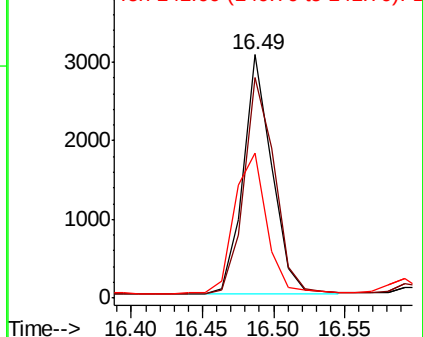
141 59.6 42.2 63.4

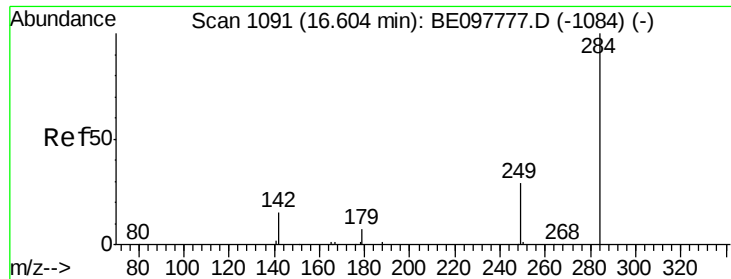


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

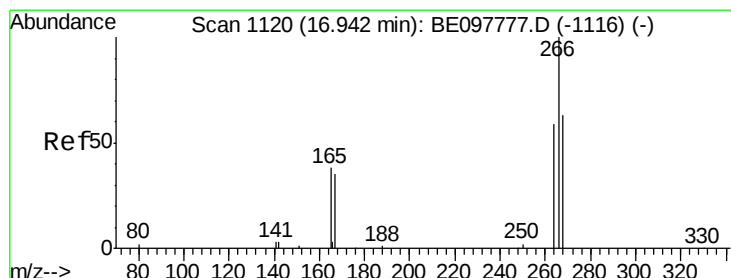
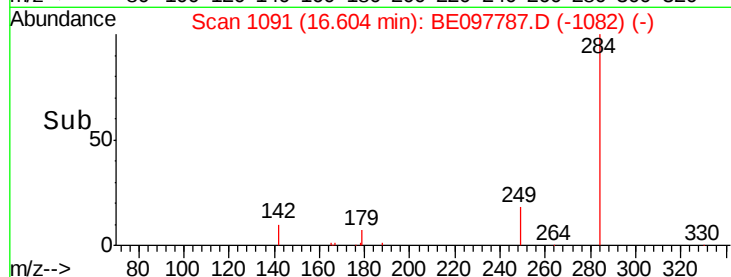
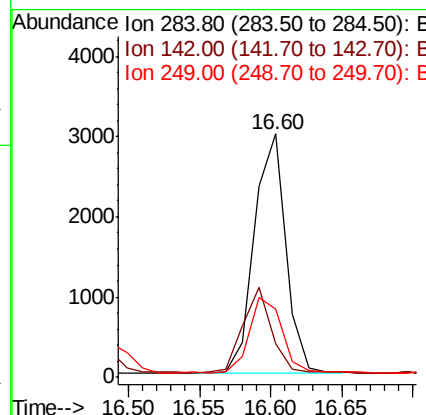
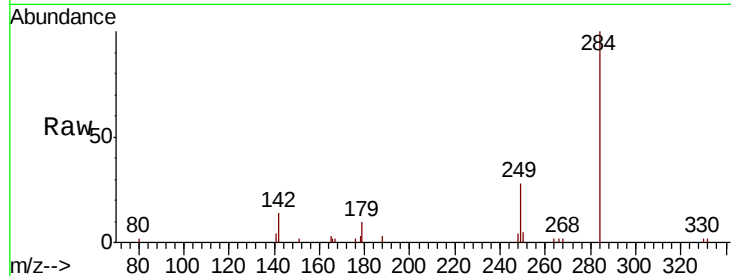




#21
Hexachlorobenzene
Concen: 0.372 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

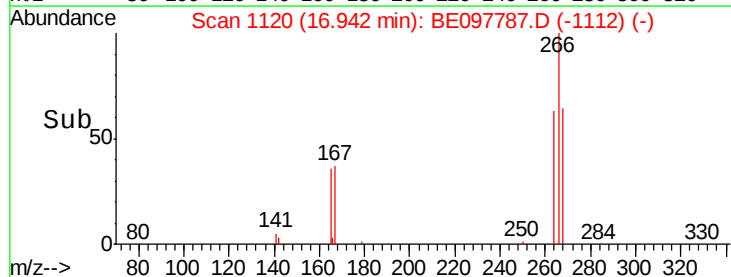
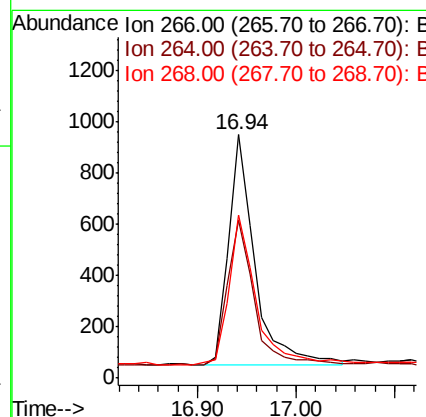
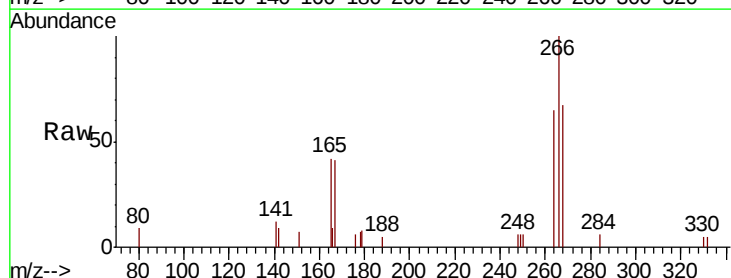
Instrument :
BNA_E
ClientSampleId :
PB113577BS

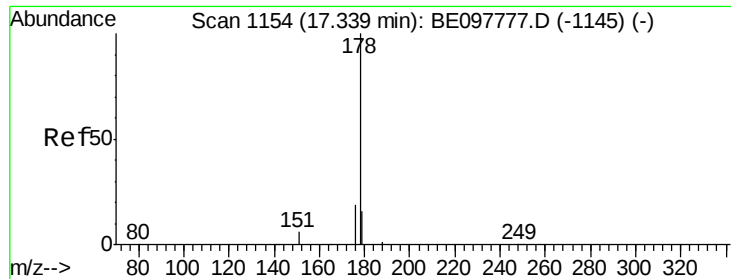
Tgt Ion:284 Resp: 4581
Ion Ratio Lower Upper
284 100
142 32.6 24.9 37.3
249 32.0 25.8 38.8



#22
Pentachlorophenol
Concen: 0.855 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE097787.D
Acq: 6 Oct 2018 11:55

Tgt Ion:266 Resp: 1651
Ion Ratio Lower Upper
266 100
264 64.7 46.8 70.2
268 67.2 53.0 79.6





#23

Phenanthrene

Concen: 0.406 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

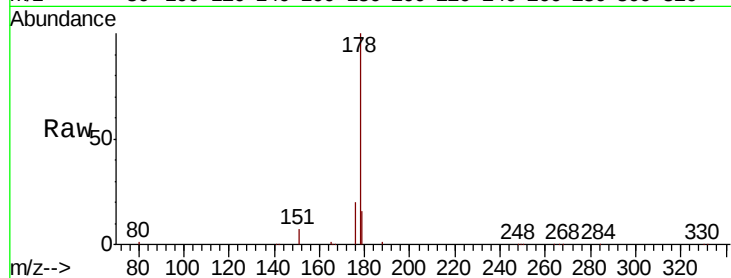
Tgt Ion:178 Resp: 21809

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 16.1 12.2 18.4

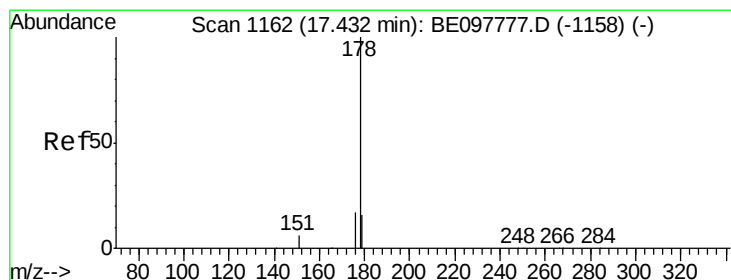
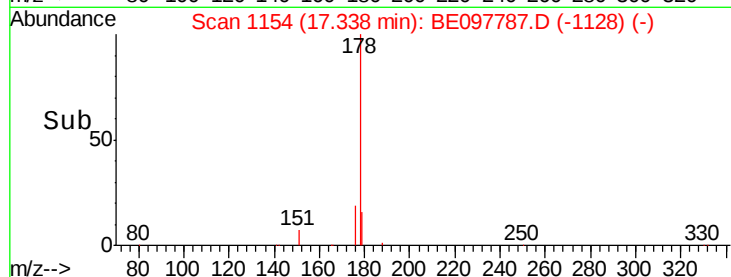
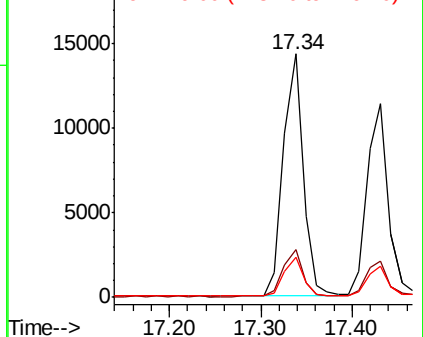


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.394 ng

RT: 17.43 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

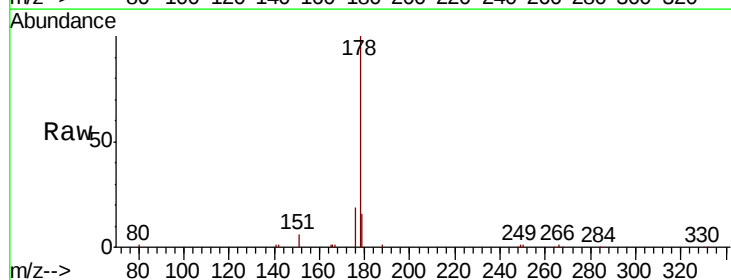
Tgt Ion:178 Resp: 18292

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.3 12.2 18.2

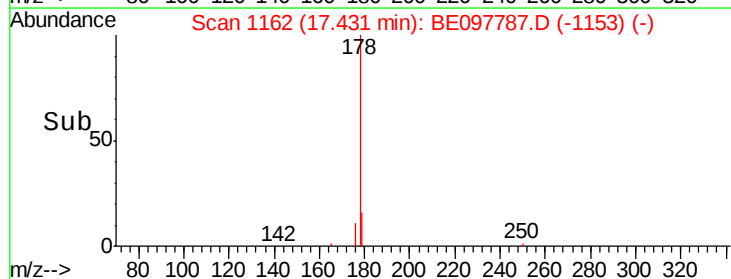
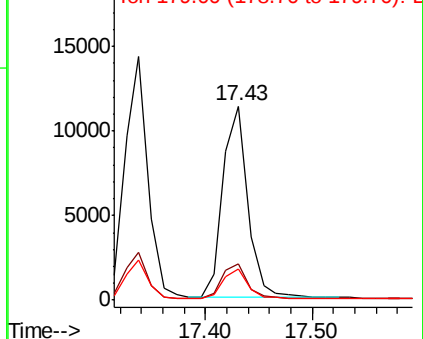


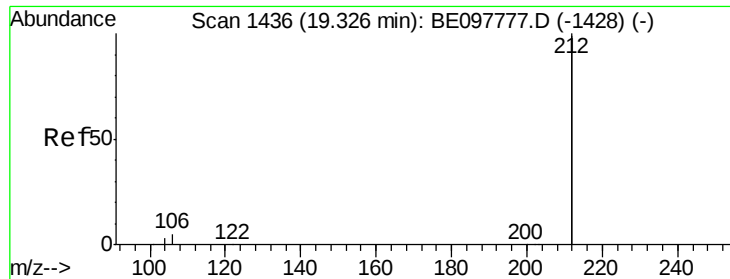
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.355 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

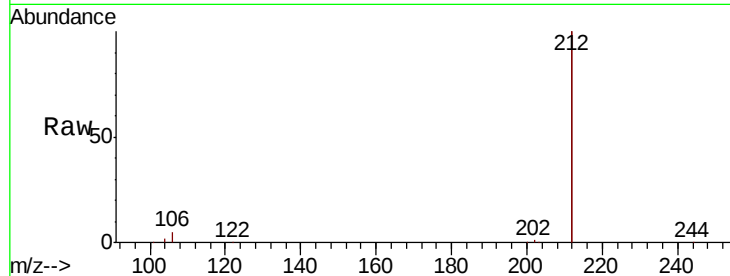
Tgt Ion:212 Resp: 93584

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

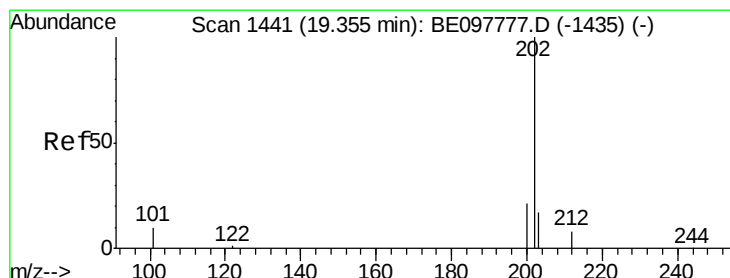
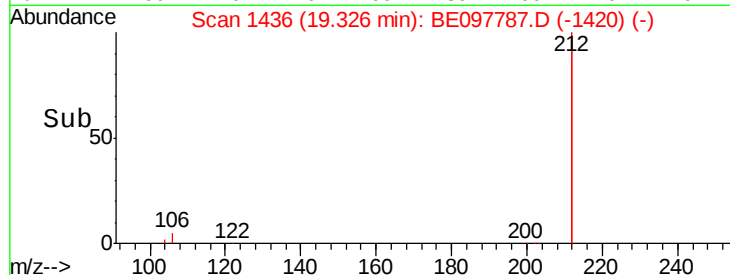
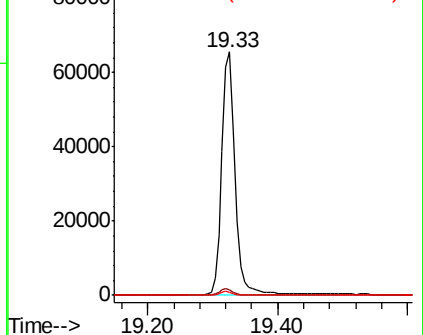
104 1.5 1.2 1.8



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.367 ng

RT: 19.35 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

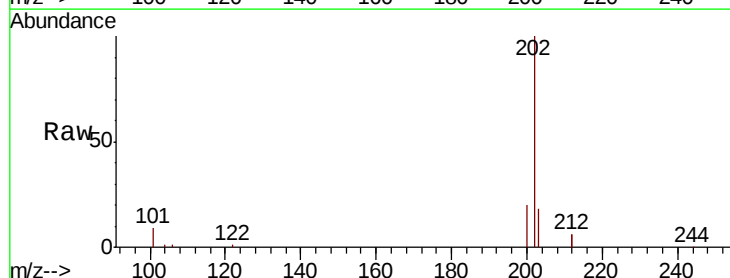
Tgt Ion:202 Resp: 25095

Ion Ratio Lower Upper

202 100

101 9.3 7.8 11.8

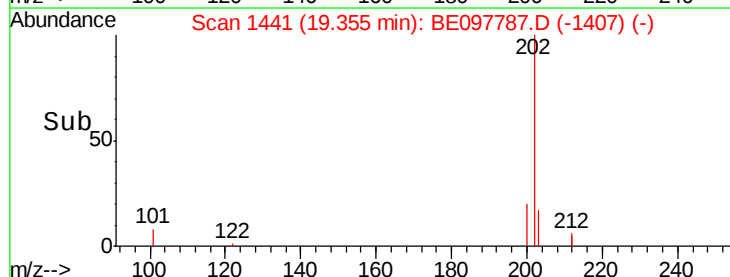
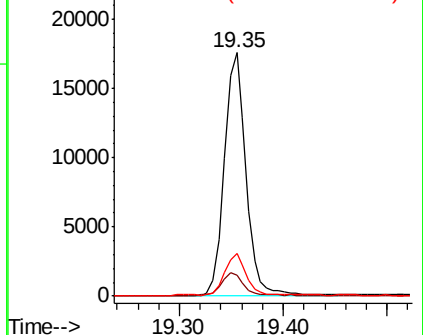
203 16.9 13.8 20.6

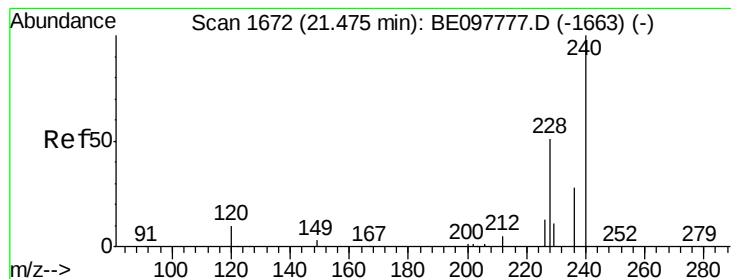


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.48 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

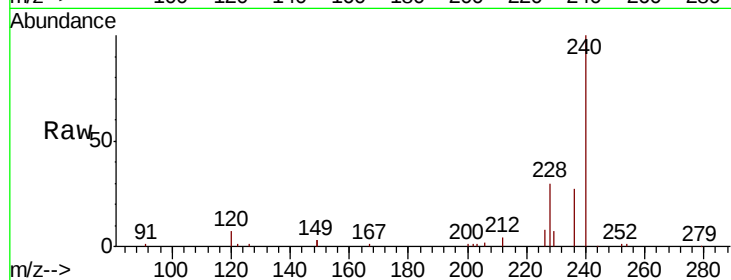
Tgt Ion:240 Resp: 22665

Ion Ratio Lower Upper

240 100

120 7.3 4.7 7.1#

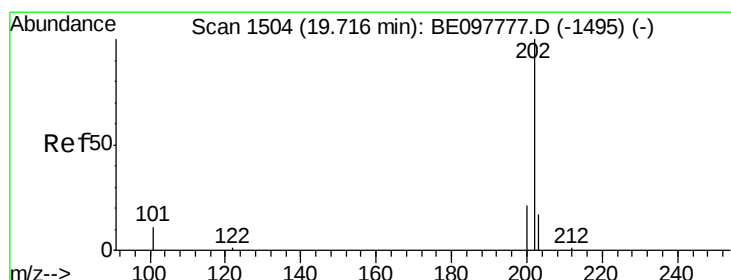
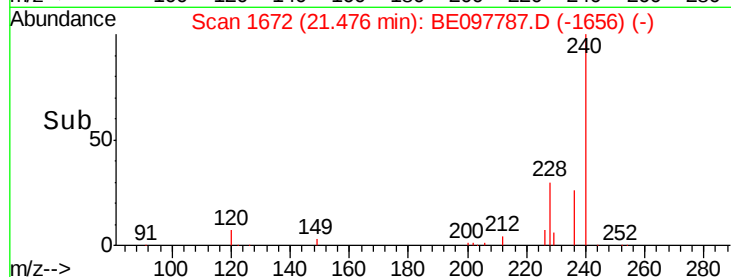
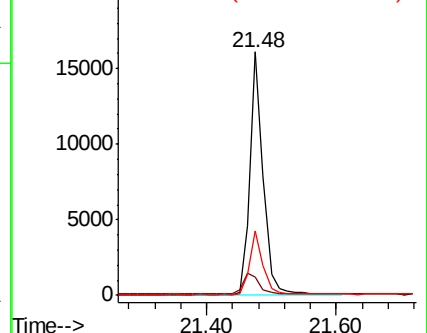
236 26.6 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.429 ng

RT: 19.72 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

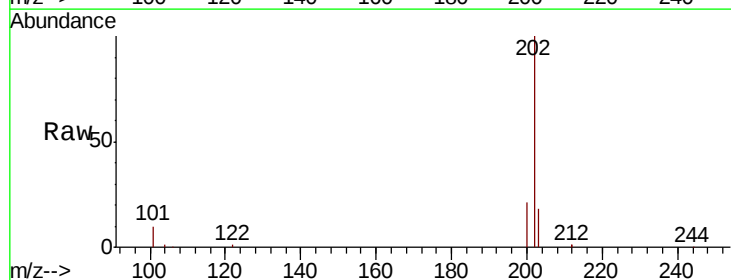
Tgt Ion:202 Resp: 24704

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

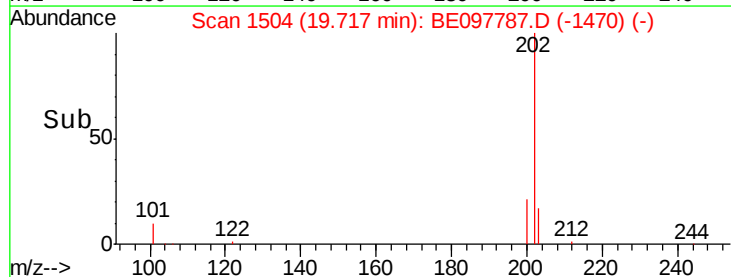
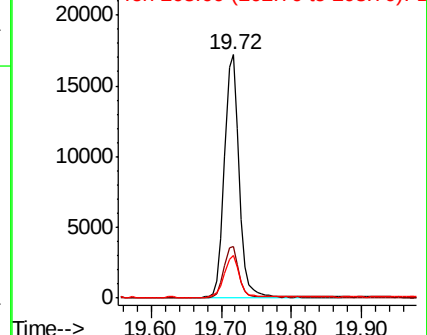
203 17.8 13.9 20.9

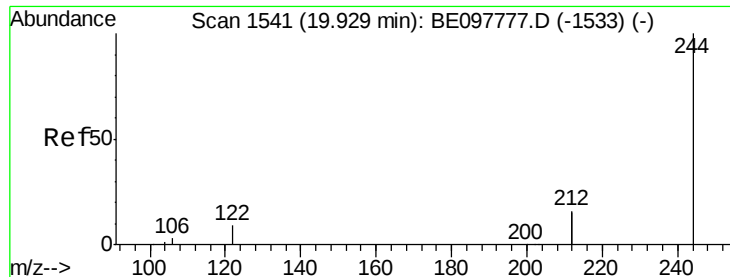


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.366 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

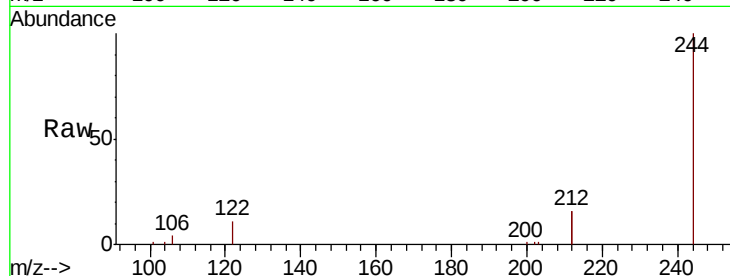
Tgt Ion:244 Resp: 16936

Ion Ratio Lower Upper

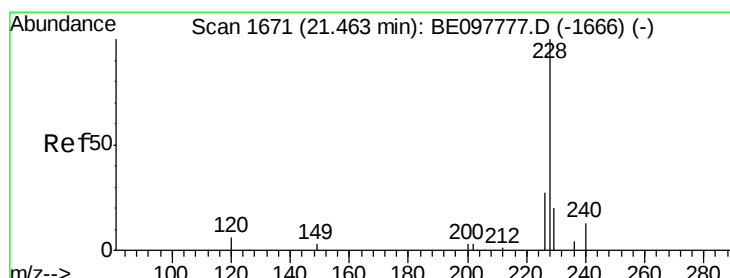
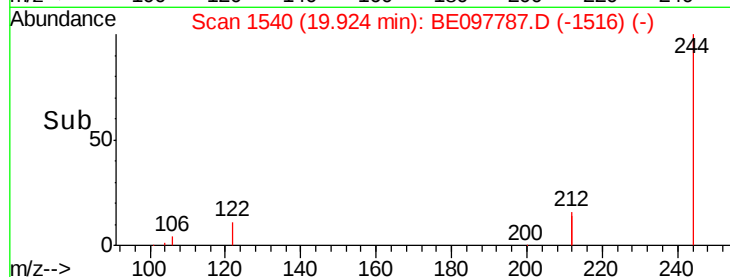
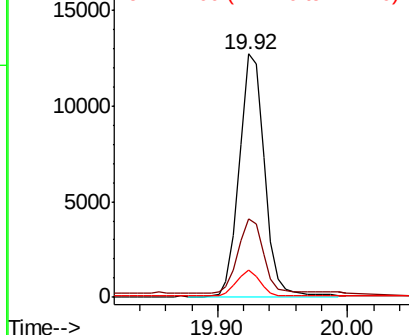
244 100

212 32.3 25.8 38.8

122 11.1 8.7 13.1



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: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

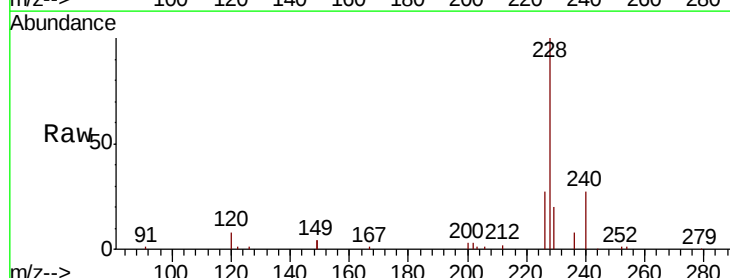
Tgt Ion:228 Resp: 25554

Ion Ratio Lower Upper

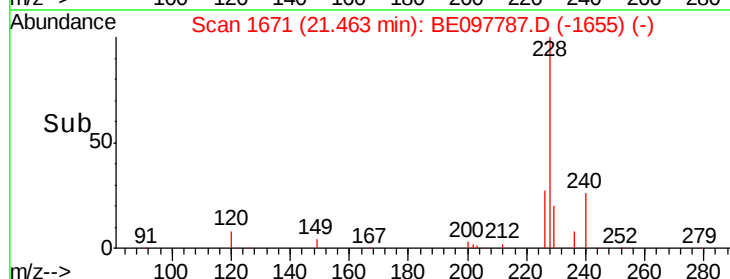
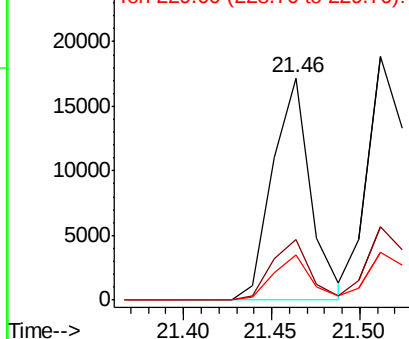
228 100

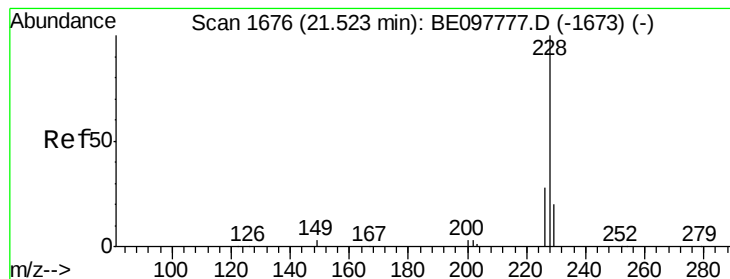
226 27.3 20.7 31.1

229 20.1 15.7 23.5



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: 0.423 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

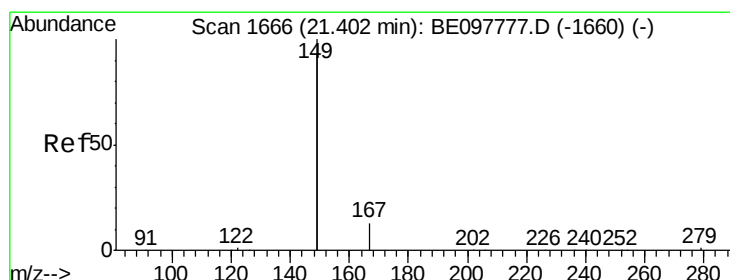
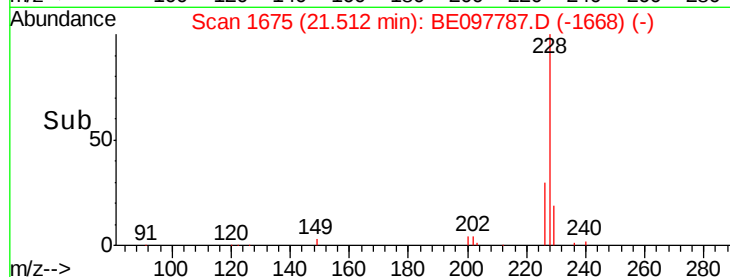
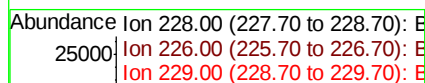
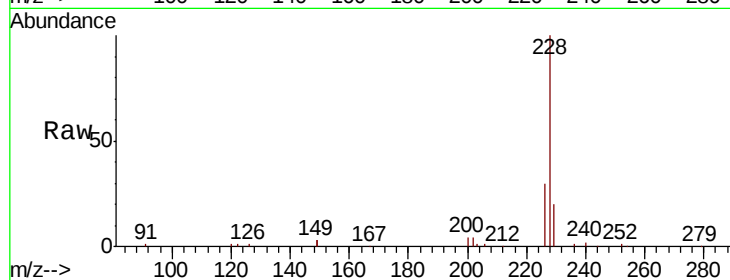
Tgt Ion:228 Resp: 28807

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 19.7 16.0 24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.469 ng

RT: 21.40 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

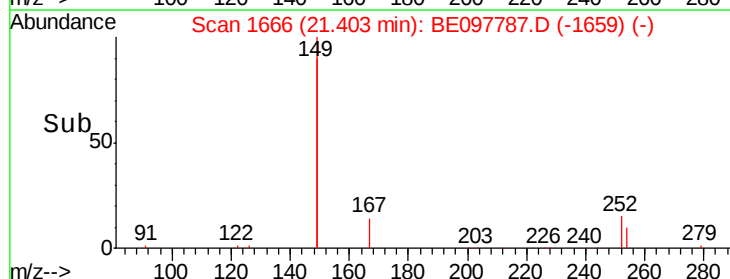
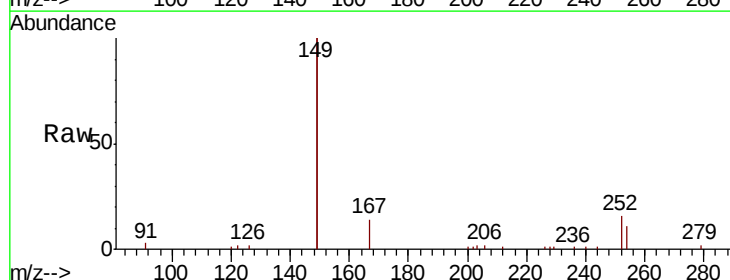
Tgt Ion:149 Resp: 20902

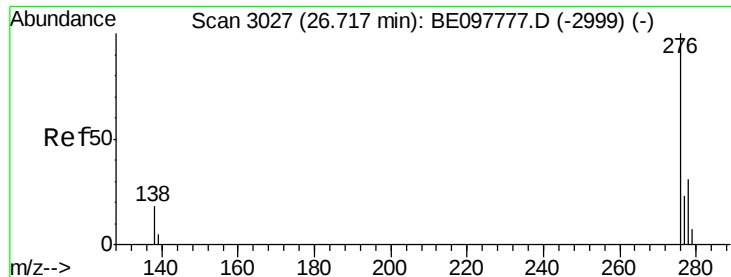
Ion Ratio Lower Upper

149 100

167 6.6 5.5 8.3

279 1.0 0.9 1.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.564 ng

RT: 26.71 min Scan# 3026

Delta R.T. -0.02 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

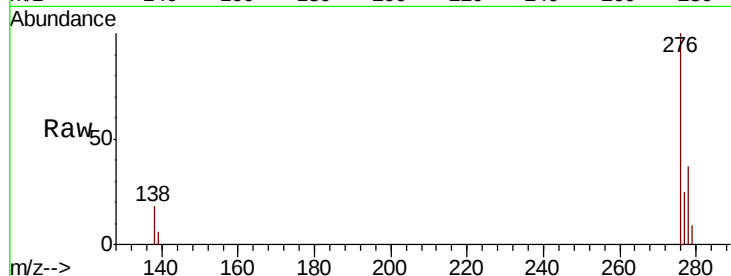
Tgt Ion:276 Resp: 33339

Ion Ratio Lower Upper

276 100

138 20.4 15.0 22.6

277 24.7 19.2 28.8

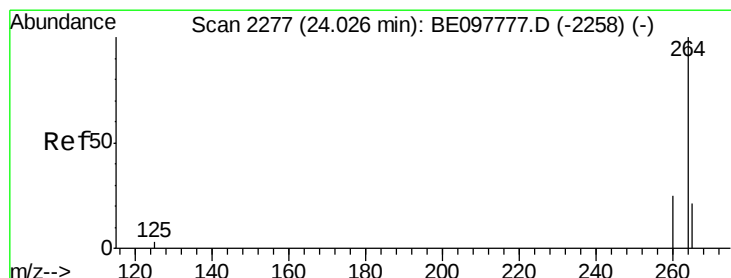
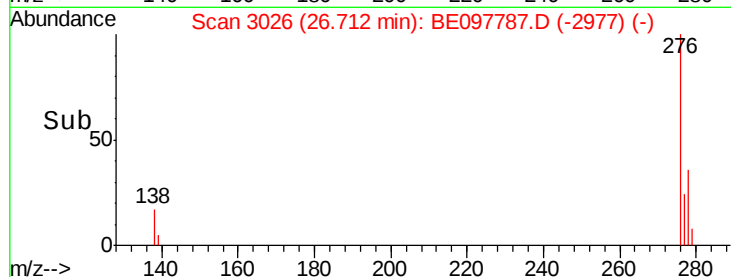
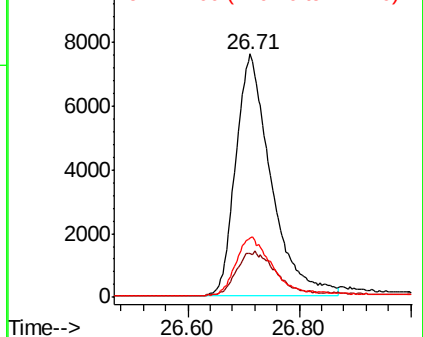


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

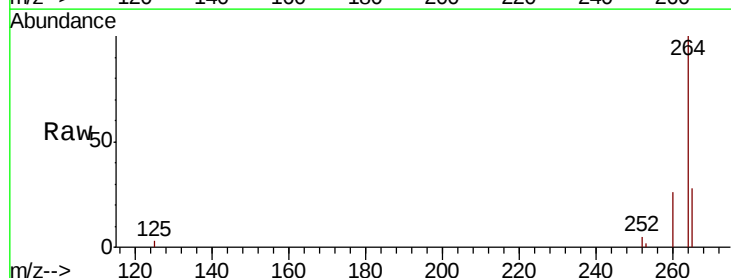
Tgt Ion:264 Resp: 24597

Ion Ratio Lower Upper

264 100

260 25.8 19.1 28.7

265 27.8 21.9 32.9

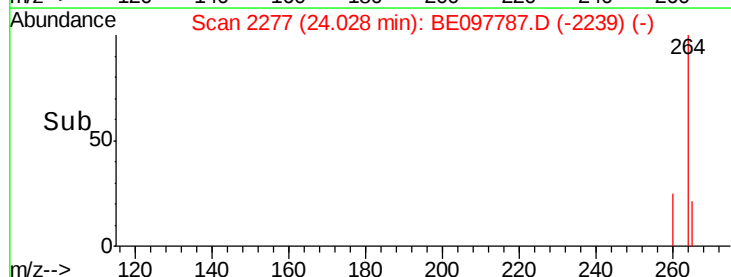
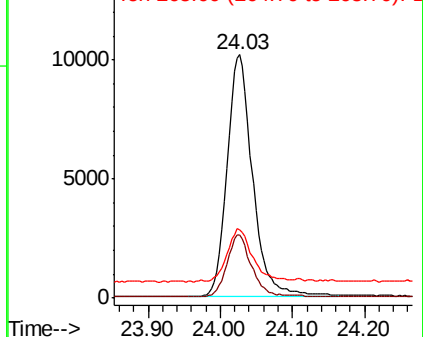


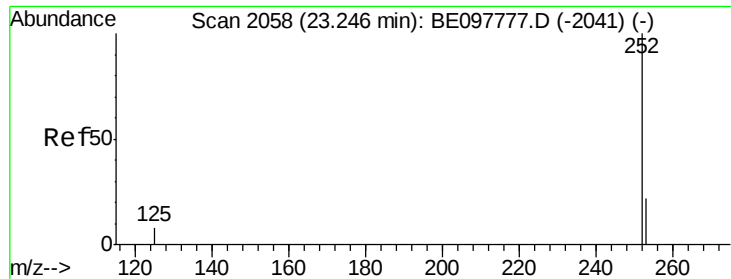
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.410 ng

RT: 23.25 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

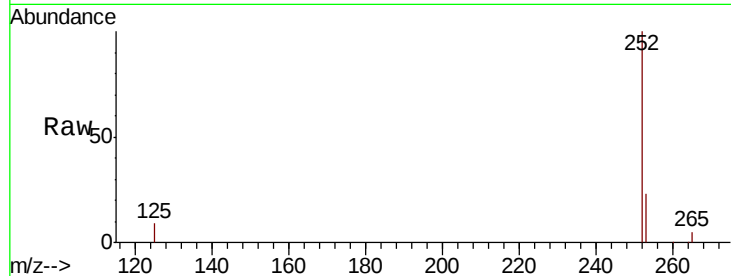
Tgt Ion:252 Resp: 27696

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

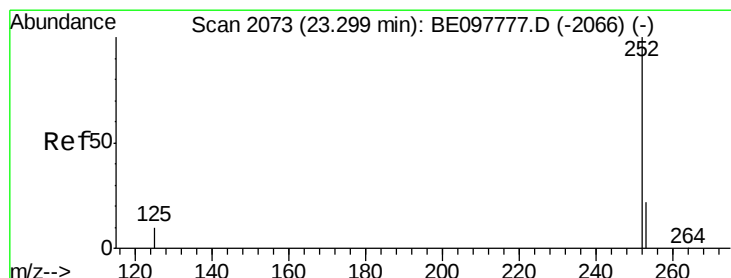
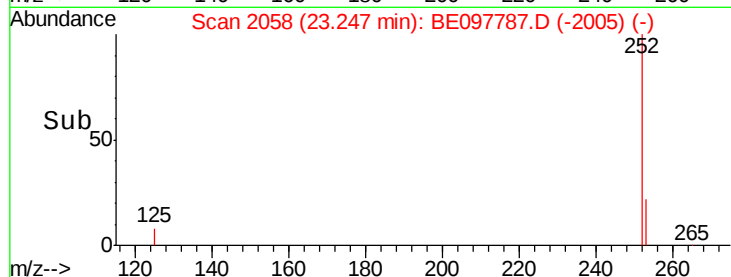
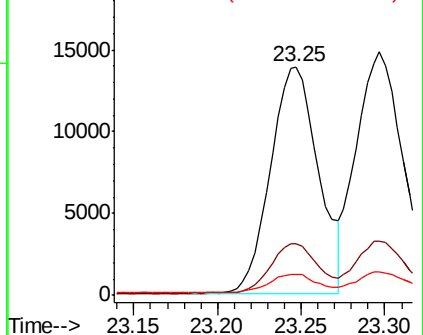
125 9.0 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.413 ng

RT: 23.30 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

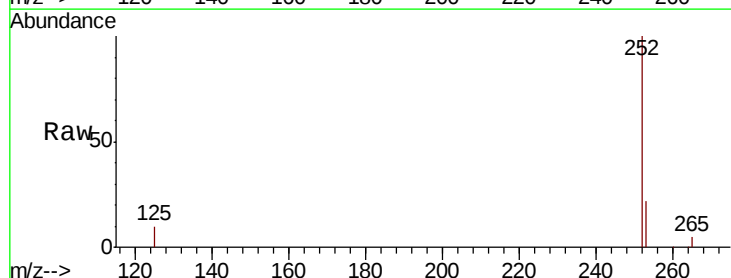
Tgt Ion:252 Resp: 30872

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

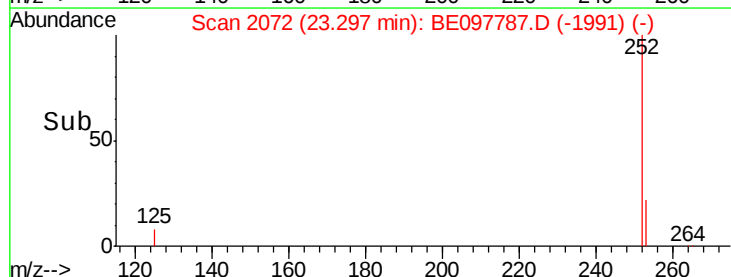
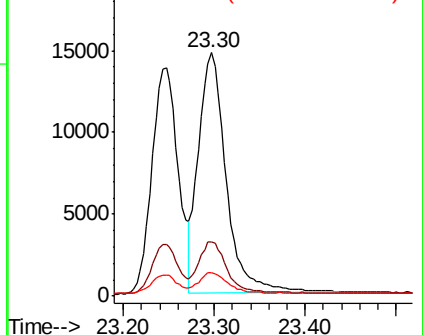
125 9.6 7.5 11.3

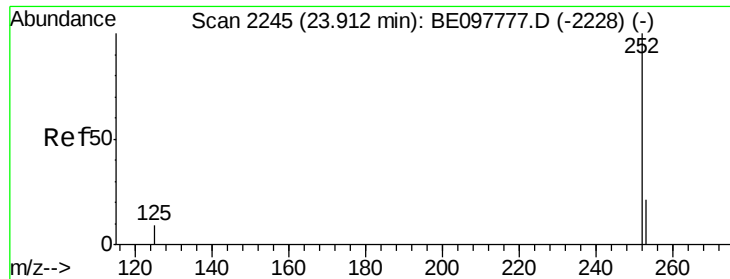


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.421 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS

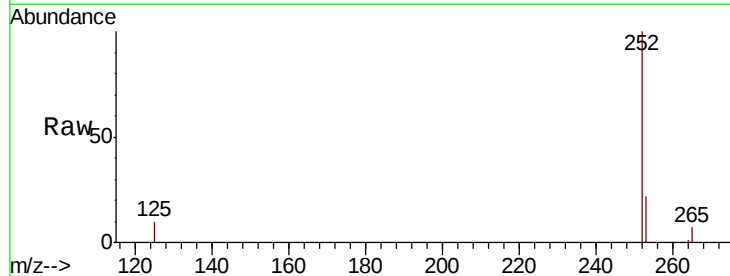
Tgt Ion: 252 Resp: 25701

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 10.1 8.3 12.5

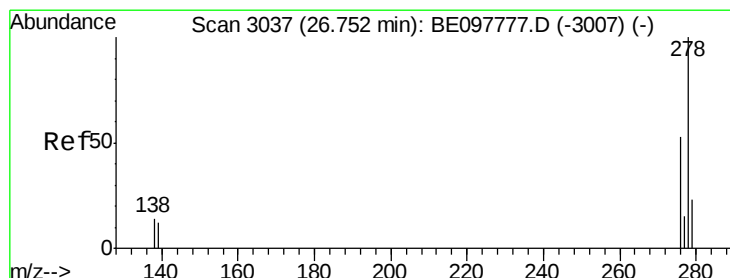
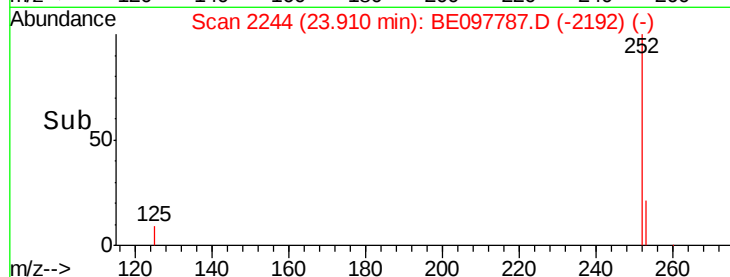
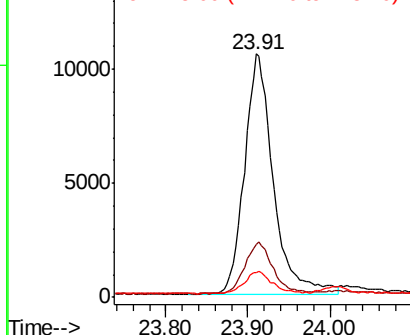


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.474 ng

RT: 26.74 min Scan# 3035

Delta R.T. -0.03 min

Lab File: BE097787.D

Acq: 6 Oct 2018 11:55

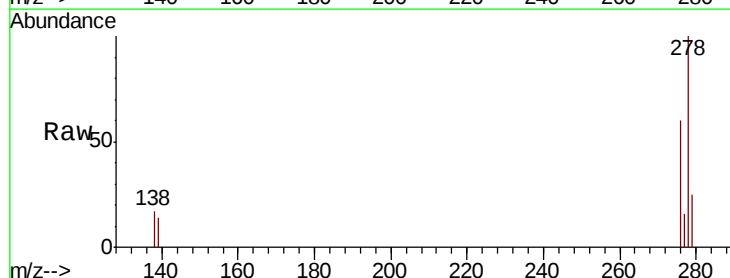
Tgt Ion: 278 Resp: 28524

Ion Ratio Lower Upper

278 100

139 14.3 10.3 15.5

279 25.1 18.4 27.6

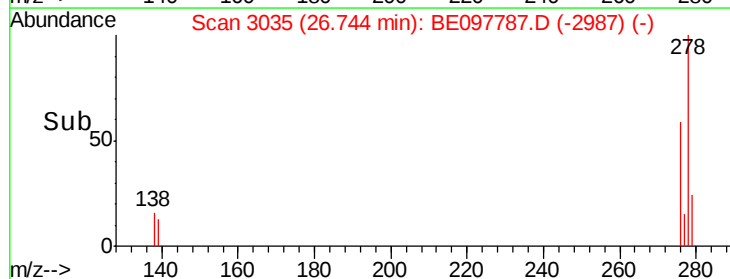
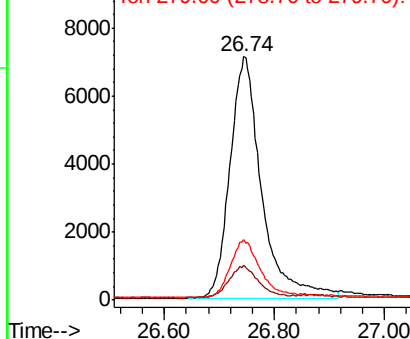


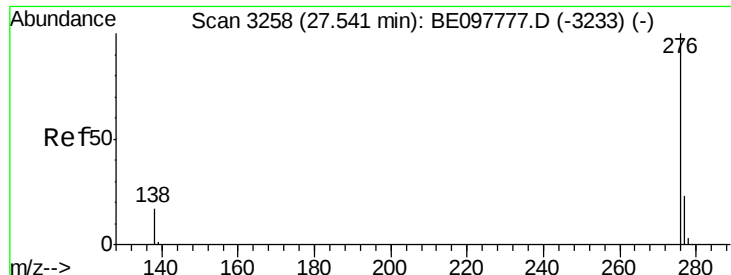
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.490 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.03 min

Lab File: BE097787.D

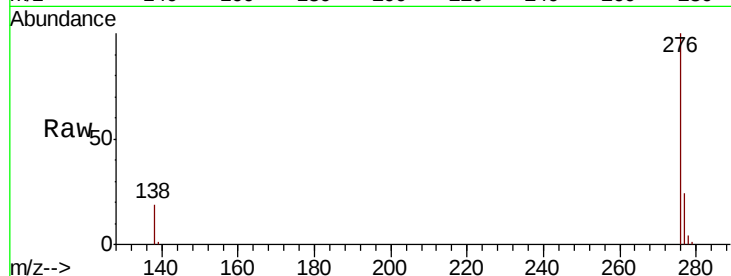
Acq: 6 Oct 2018 11:55

Instrument :

BNA_E

ClientSampleId :

PB113577BS



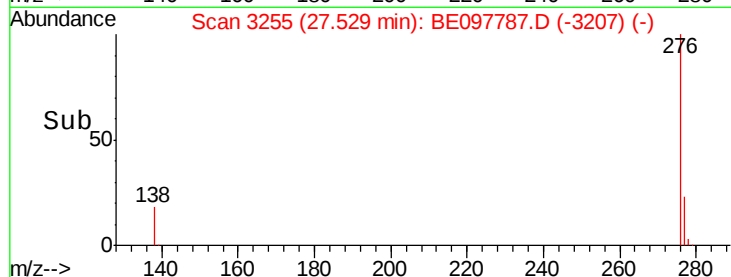
Tgt Ion: 276 Resp: 30875

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 18.6 14.2 21.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

