

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100418\
 Data File : BE097731.D
 Acq On : 4 Oct 2018 18:36
 Operator : SJ/JU
 Sample : J5220-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TS-03

Quant Time: Oct 05 06:51:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	3552	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	14153	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	8453	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	24725	0.40	ng	0.00
27) Chrysene-d12	21.49	240	31974	0.40	ng	0.00
34) Perylene-d12	24.04	264	31015	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1266	0.15	ng	0.00
5) Phenol-d6	7.05	99	1193	0.09	ng	0.00
8) Nitrobenzene-d5	9.21	82	272	0.06	ng	0.17
11) 2-Methylnaphthalene-d10	12.30	152	8552	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	742	0.48	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	18133	0.49	ng	-0.02
25) Fluoranthene-d10	19.33	212	135521	0.43	ng	0.00
29) Terphenyl-d14	19.93	244	27856	0.43	ng	0.00

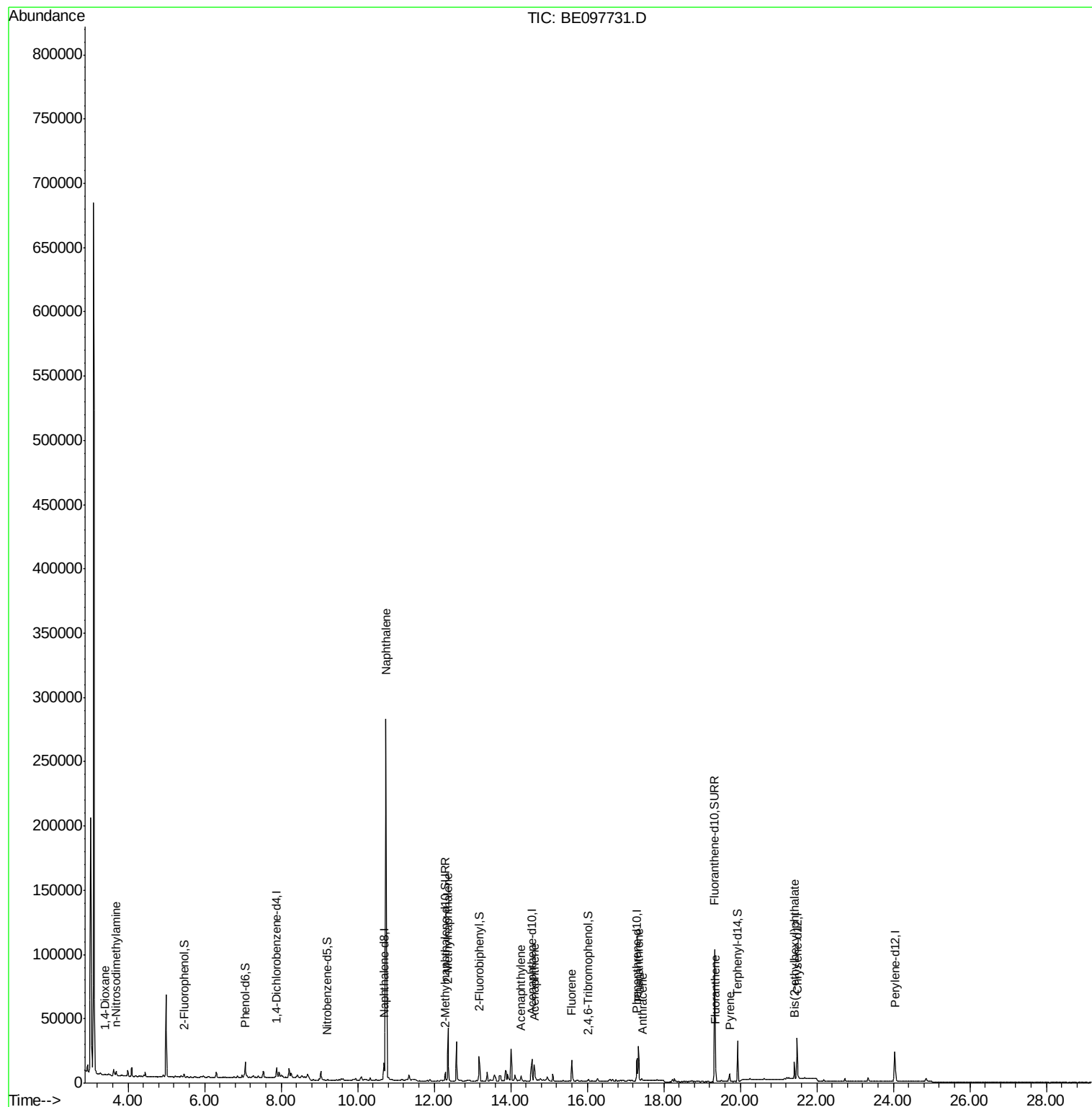
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.40	88	191	0.027	ng	# 1
3) n-Nitrosodimethylamine	3.70	42	313	0.049	ng	# 20
9) Naphthalene	10.74	128	463877	3.252	ng	99
12) 2-Methylnaphthalene	12.37	142	27578	1.208	ng	98
16) Acenaphthylene	14.27	152	2388	0.064	ng	# 78
17) Acenaphthene	14.61	154	5853	0.244	ng	97
18) Fluorene	15.59	166	12300	0.386	ng	97
23) Phenanthrene	17.34	178	26461	0.415	ng	99
24) Anthracene	17.43	178	1664	0.030	ng	# 91
26) Fluoranthene	19.36	202	6702	0.083	ng	# 95
28) Pyrene	19.72	202	5871	0.072	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.41	149	15011	0.239	ng	# 99

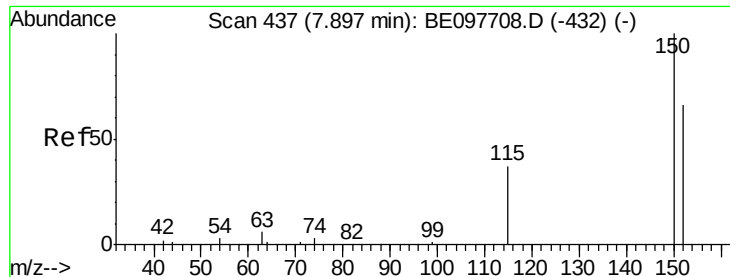
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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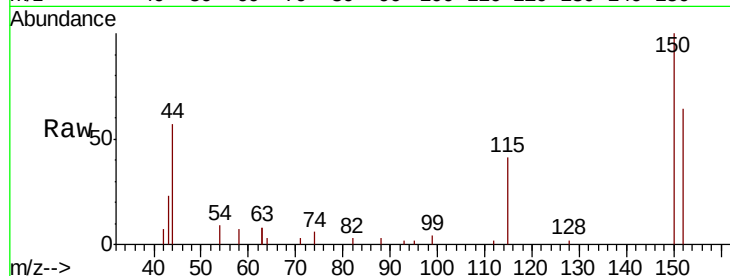


#1

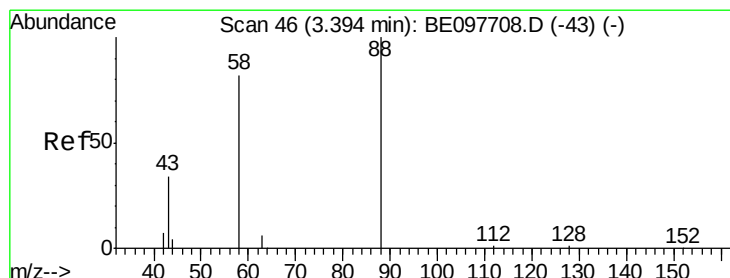
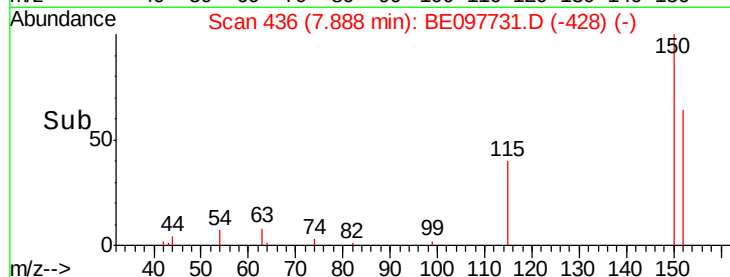
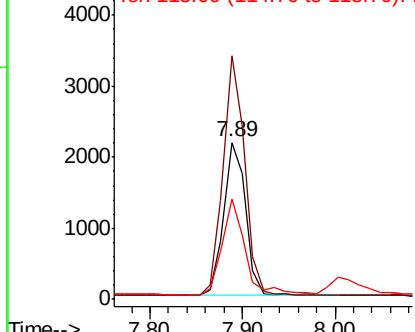
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097731.D
Acq: 4 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
TS-03

Tgt Ion:152 Resp: 3552
Ion Ratio Lower Upper
152 100
150 155.1 120.9 181.3
115 63.9 46.6 69.8



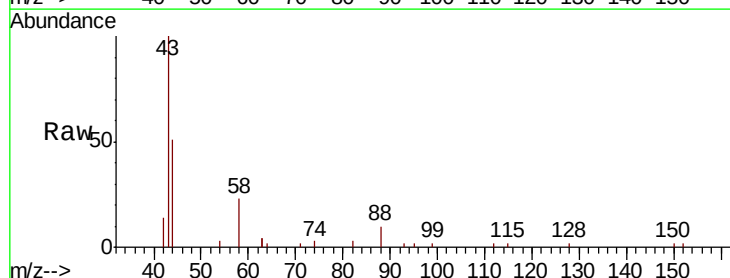
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



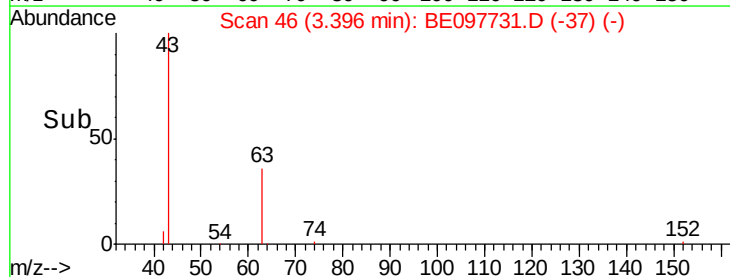
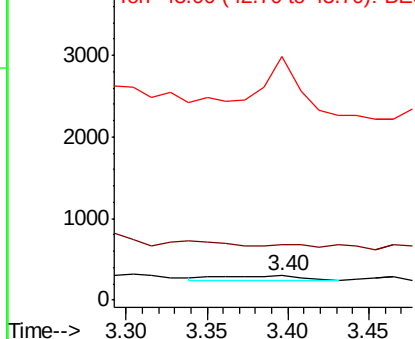
#2

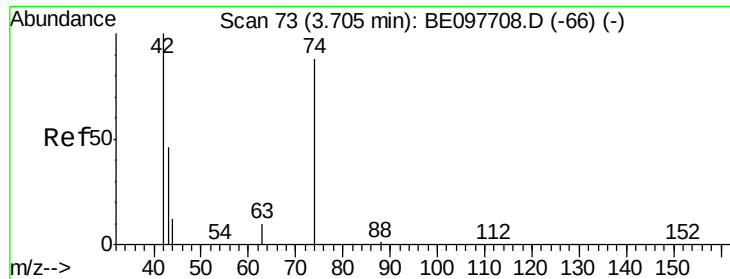
1,4-Dioxane
Concen: 0.027 ng
RT: 3.40 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE097731.D
Acq: 4 Oct 2018 18:36

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
58 0.0 70.8 106.2#
43 594.2 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: 0.049 ng

RT: 3.70 min Scan# 72

Delta R.T. -0.01 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

TS-03

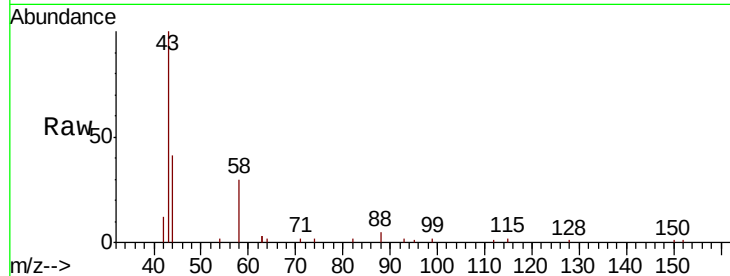
Tgt Ion: 42 Resp: 313

Ion Ratio Lower Upper

42 100

74 6.7 70.7 106.1#

44 0.0 15.0 22.4#

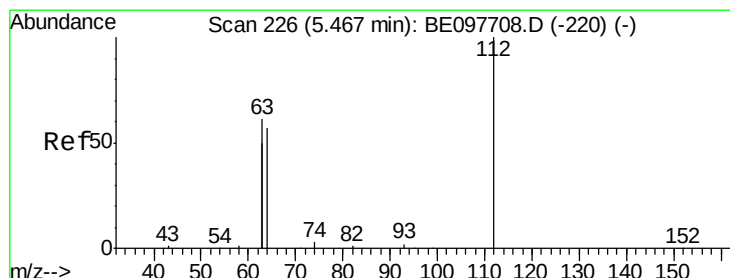
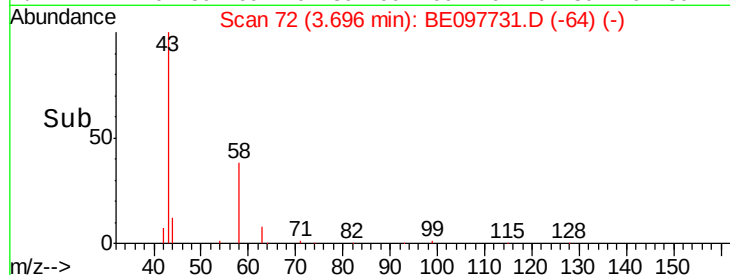
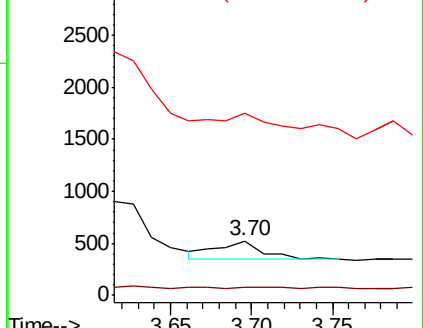


Abundance

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: 0.151 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

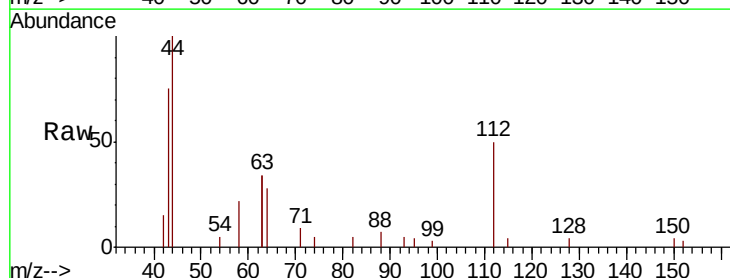
Tgt Ion: 112 Resp: 1266

Ion Ratio Lower Upper

112 100

64 69.7 56.6 84.8

63 144.4 119.4 179.0

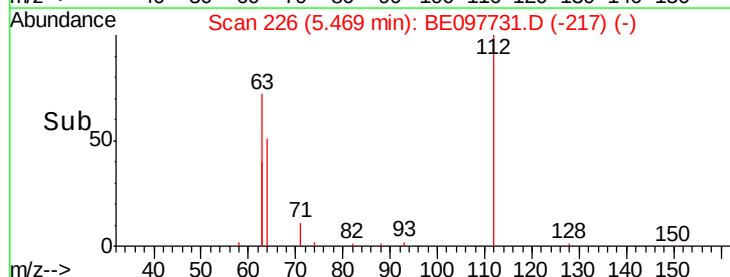
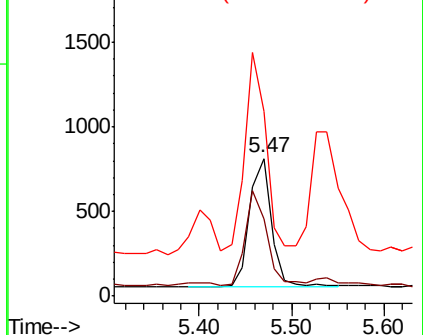


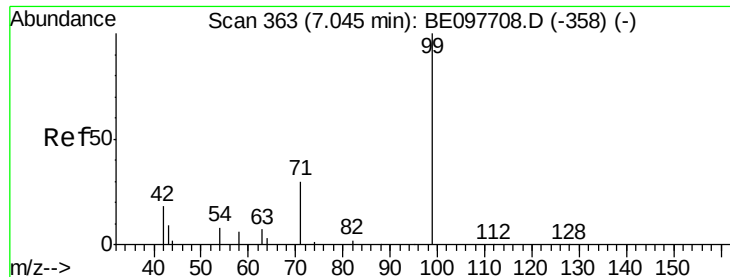
Abundance

Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.093 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

TS-03

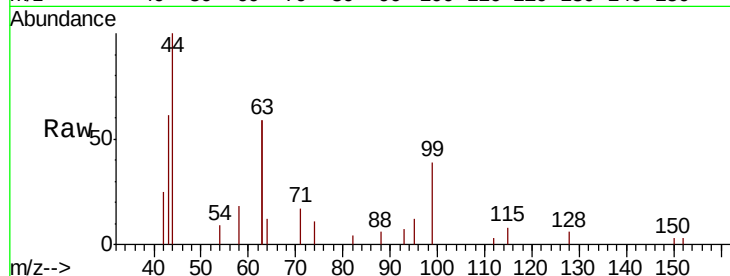
Tgt Ion: 99 Resp: 1193

Ion Ratio Lower Upper

99 100

42 119.5 19.9 29.9#

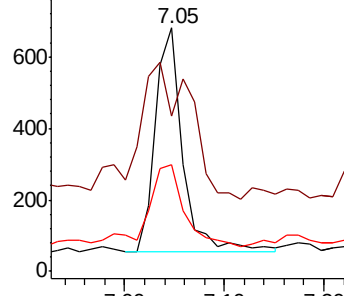
71 50.3 25.4 38.2#



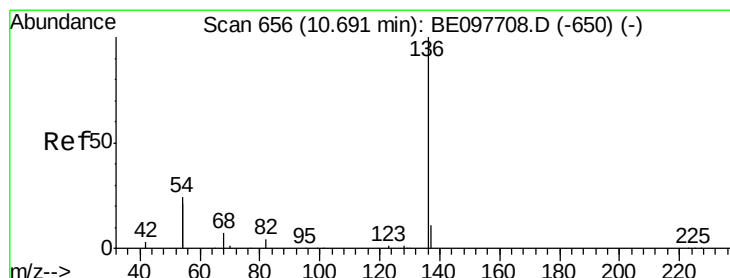
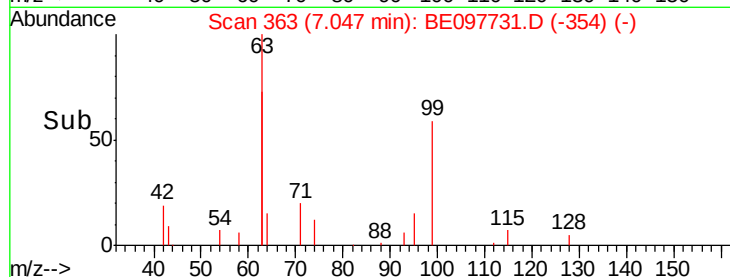
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Tgt Ion: 136 Resp: 14153

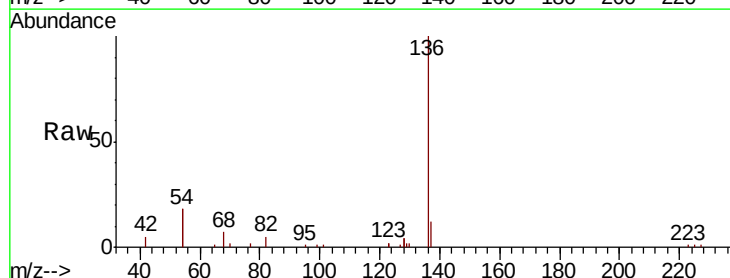
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.4

54 36.6 37.8 56.6#

68 7.1 6.4 9.6

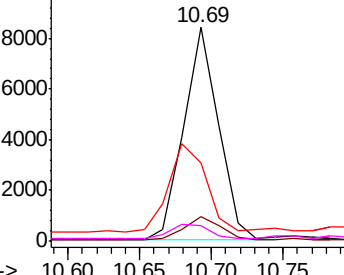


Abundance Ion 136.00 (135.70 to 136.70): E

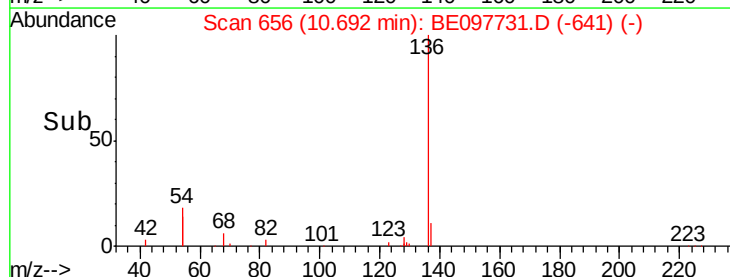
Ion 137.00 (136.70 to 137.70): E

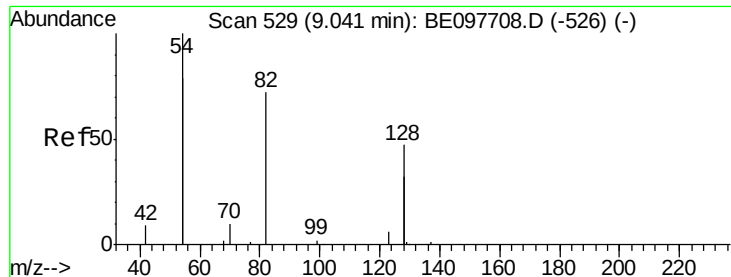
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.059 ng

RT: 9.21 min Scan# 542

Delta R.T. 0.17 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

TS-03

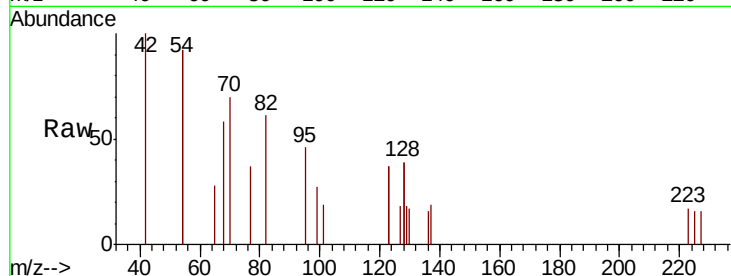
Tgt Ion: 82 Resp: 272

Ion Ratio Lower Upper

82 100

128 126.3 97.0 145.4

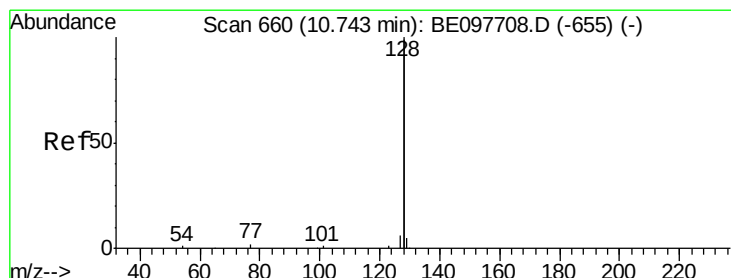
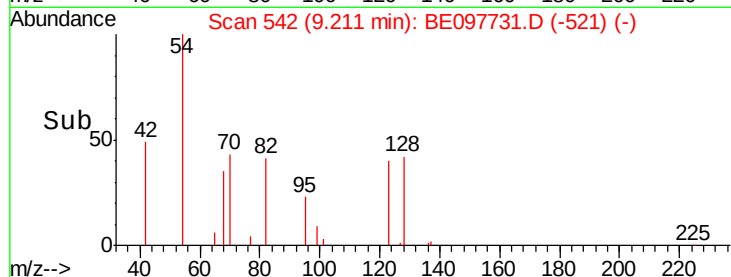
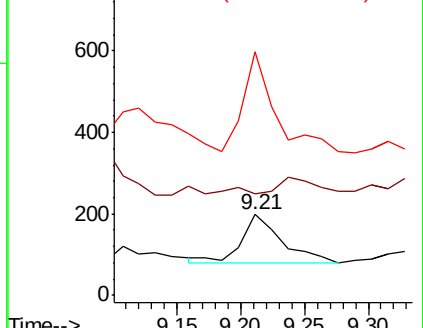
54 302.0 206.9 310.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 3.252 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

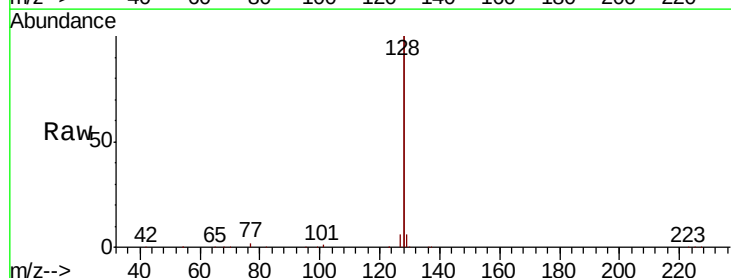
Tgt Ion: 128 Resp: 463877

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

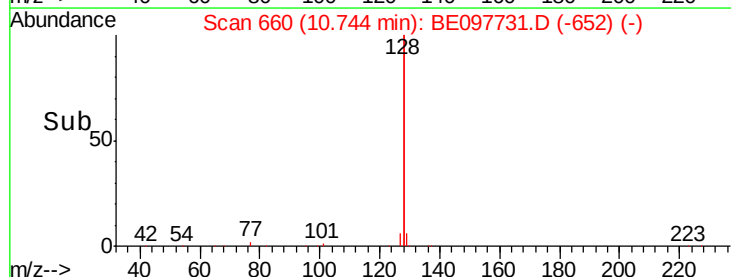
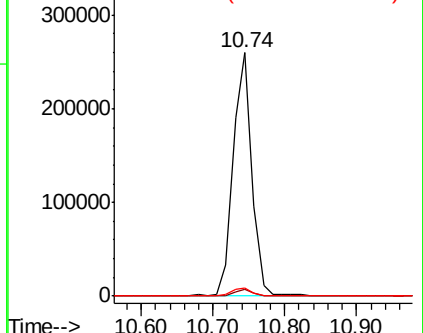
127 3.2 2.7 4.1

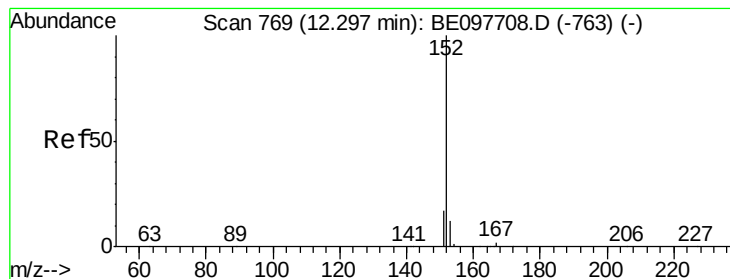


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.380 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

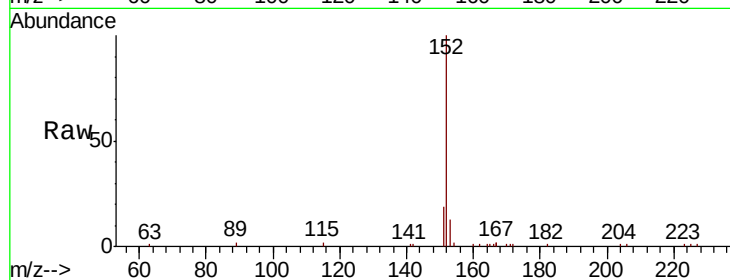
TS-03

Tgt Ion:152 Resp: 8552

Ion Ratio Lower Upper

152 100

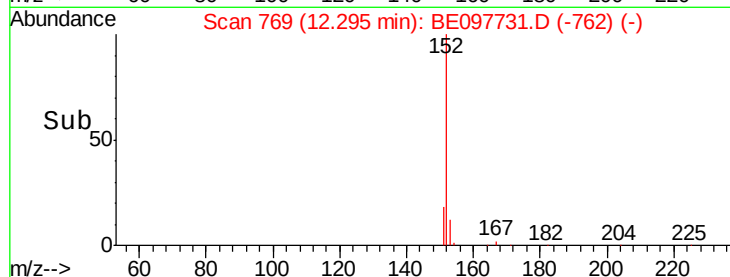
151 19.7 15.4 23.2



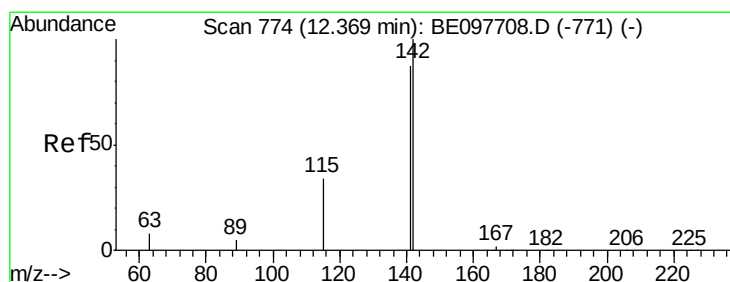
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30



Time-->



#12

2-Methylnaphthalene

Concen: 1.208 ng

RT: 12.37 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

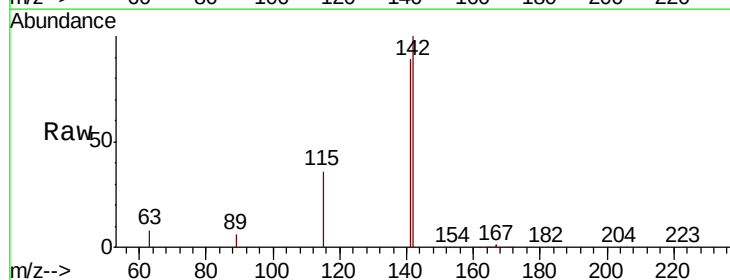
Tgt Ion:142 Resp: 27578

Ion Ratio Lower Upper

142 100

141 88.6 69.4 104.2

115 35.8 28.0 42.0

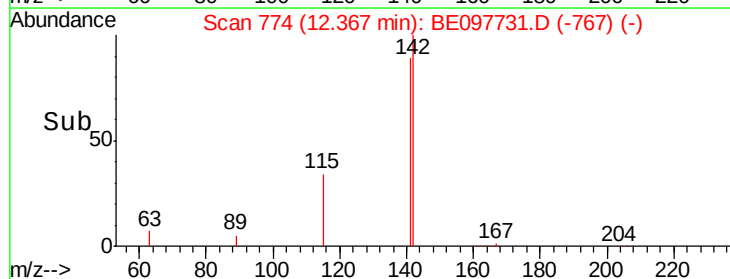


Abundance Ion 142.00 (141.70 to 142.70): E

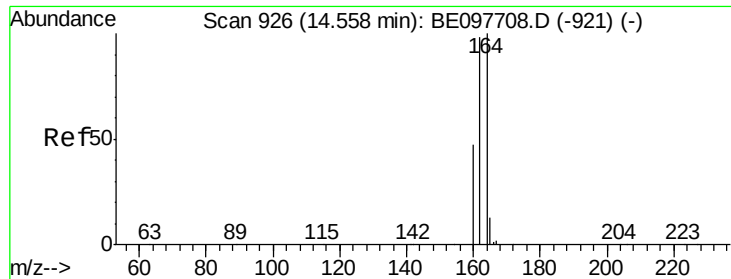
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.37



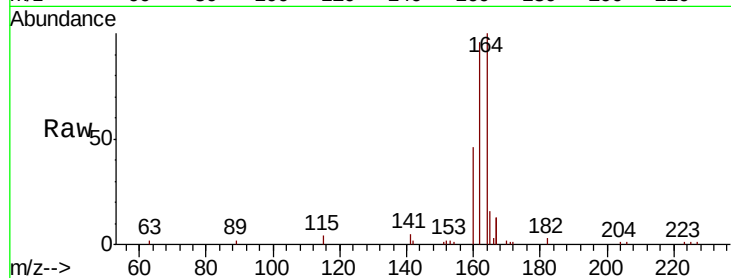
Time-->



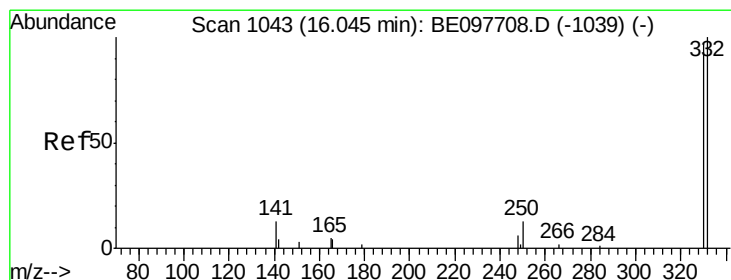
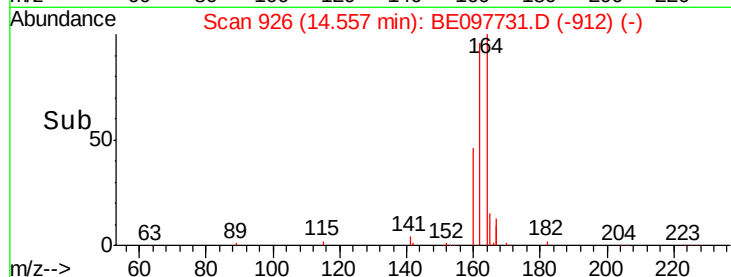
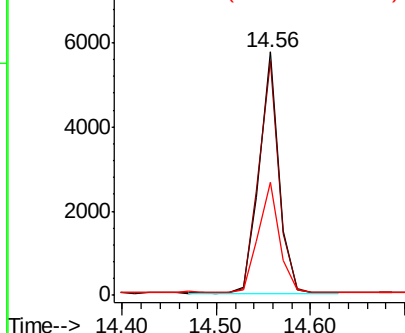
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097731.D
Acq: 4 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
TS-03

Tgt Ion:164 Resp: 8453
Ion Ratio Lower Upper
164 100
162 96.4 78.6 117.8
160 46.4 37.8 56.6

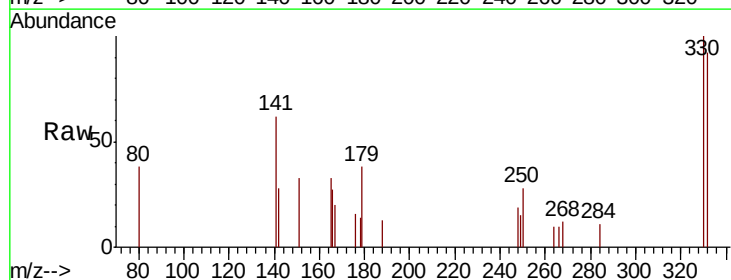


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

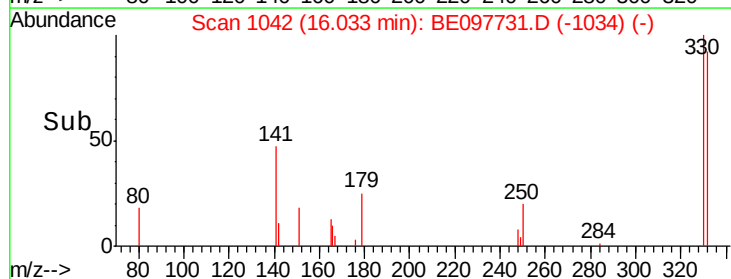
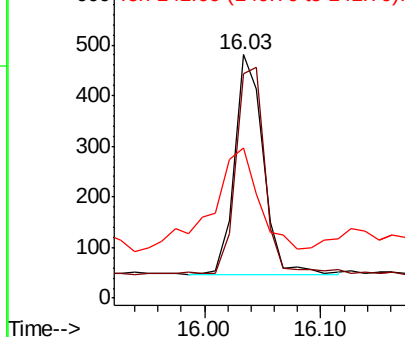


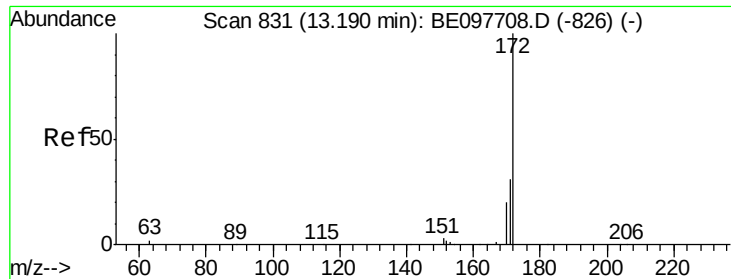
#14
2,4,6-Tribromophenol
Concen: 0.484 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097731.D
Acq: 4 Oct 2018 18:36

Tgt Ion:330 Resp: 742
Ion Ratio Lower Upper
330 100
332 98.5 83.5 125.3
141 71.8 34.9 52.3#



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

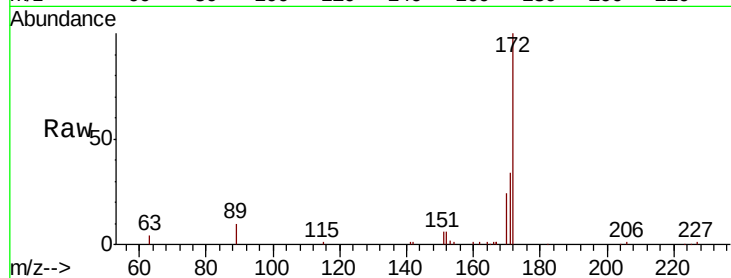




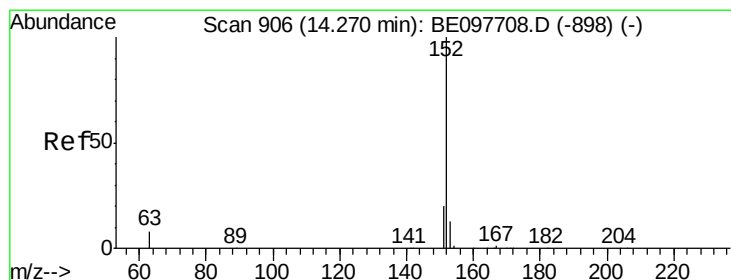
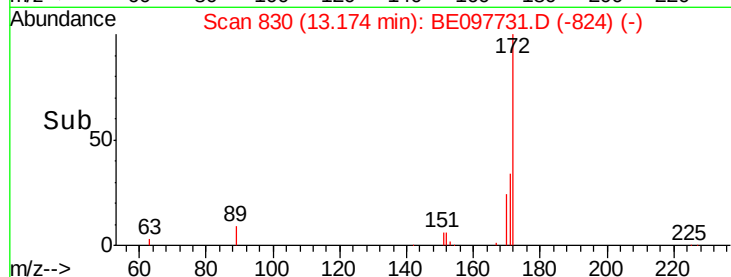
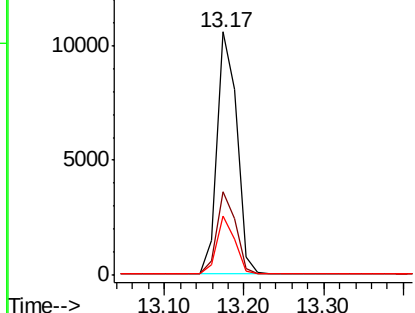
#15
2-Fluorobiphenyl
Concen: 0.487 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097731.D
Acq: 4 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
TS-03

Tgt Ion:172 Resp: 18133
Ion Ratio Lower Upper
172 100
171 34.4 25.2 37.8
170 24.2 16.2 24.2

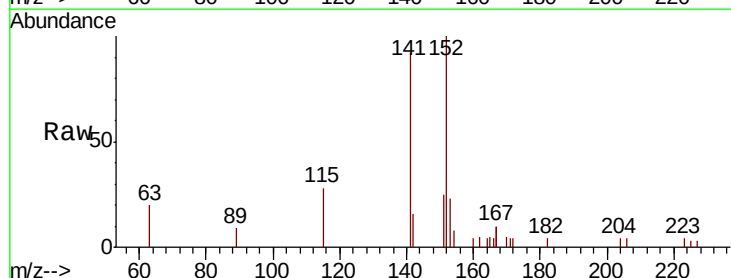


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

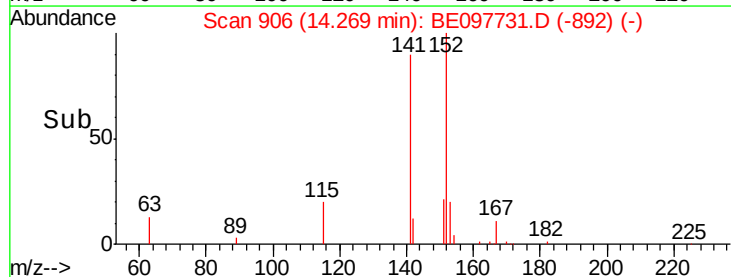
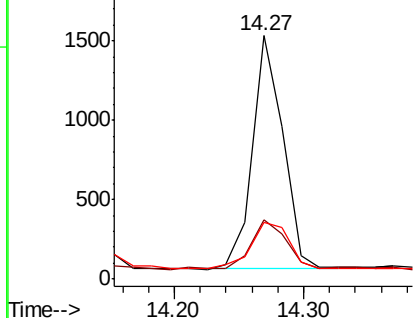


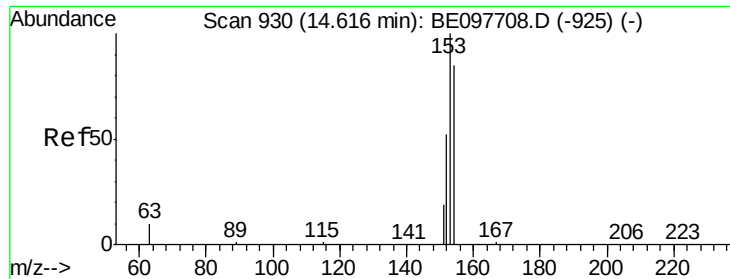
#16
Acenaphthylene
Concen: 0.064 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097731.D
Acq: 4 Oct 2018 18:36

Tgt Ion:152 Resp: 2388
Ion Ratio Lower Upper
152 100
151 26.3 15.3 22.9#
153 25.7 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: 0.244 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

TS-03

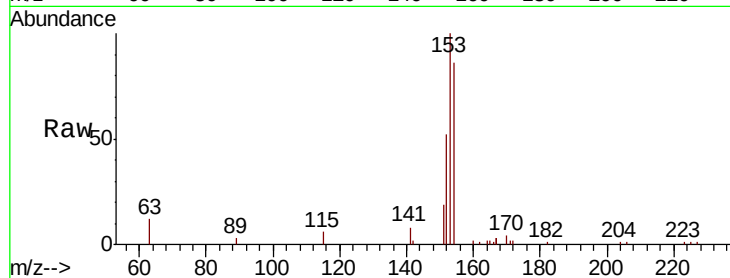
Tgt Ion:154 Resp: 5853

Ion Ratio Lower Upper

154 100

153 118.8 93.3 139.9

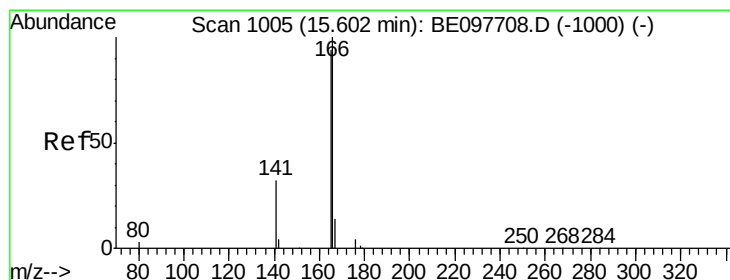
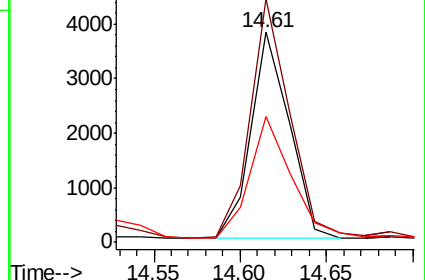
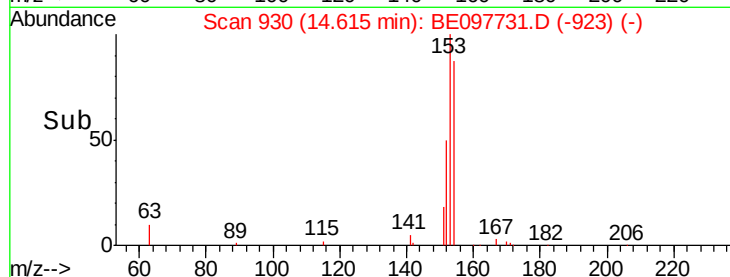
152 64.2 48.9 73.3



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: 0.386 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

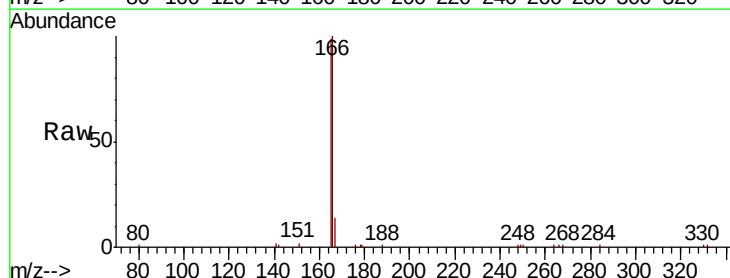
Tgt Ion:166 Resp: 12300

Ion Ratio Lower Upper

166 100

165 96.6 79.0 118.4

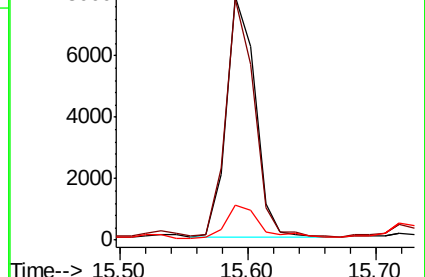
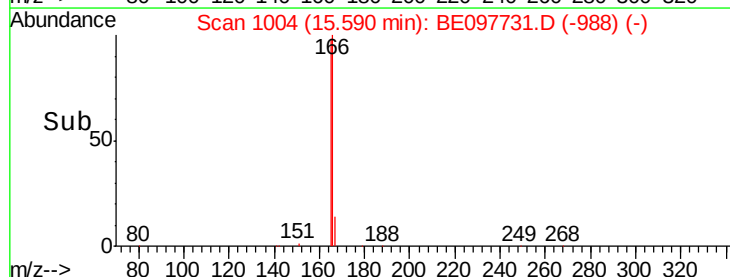
167 16.4 11.1 16.7

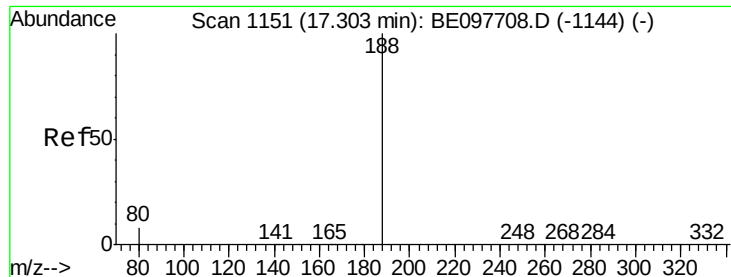


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.30 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

TS-03

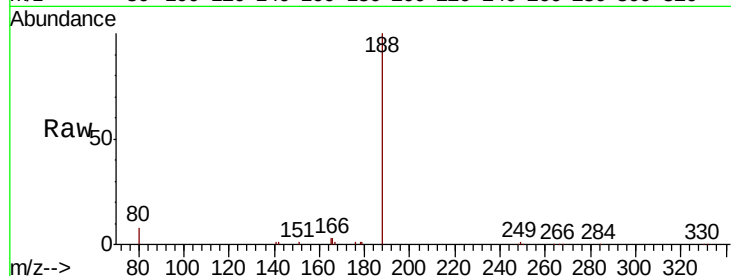
Tgt Ion:188 Resp: 24725

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

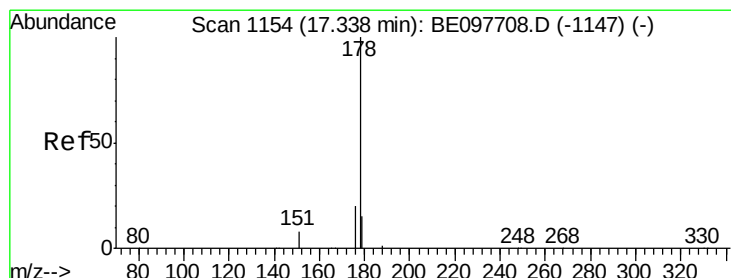
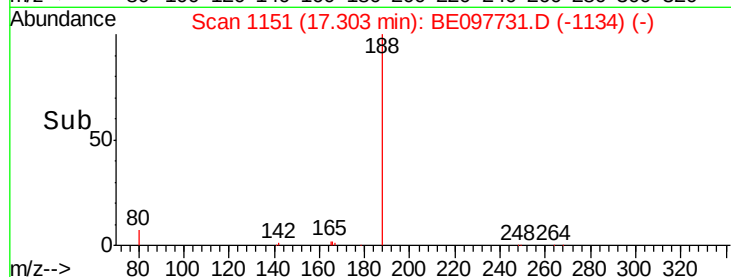
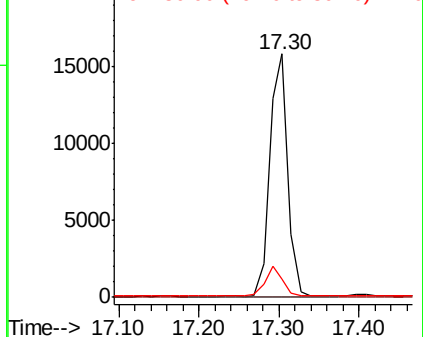
80 7.5 6.6 9.8



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



#23

Phenanthrene

Concen: 0.415 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

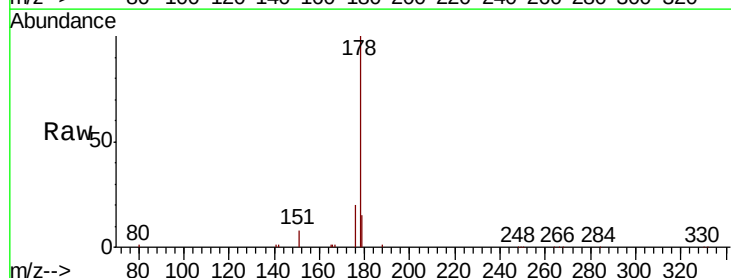
Tgt Ion:178 Resp: 26461

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

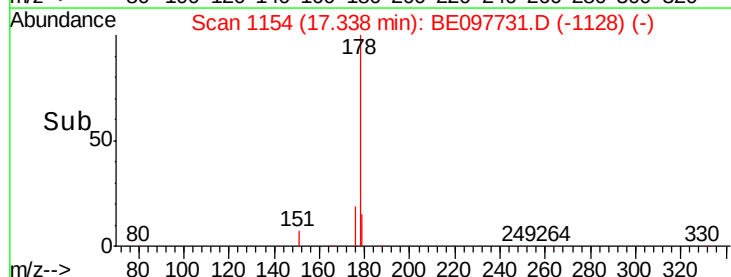
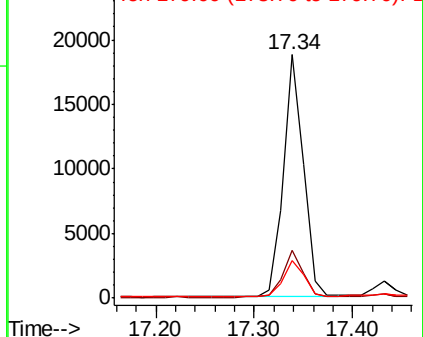
179 16.0 12.2 18.4

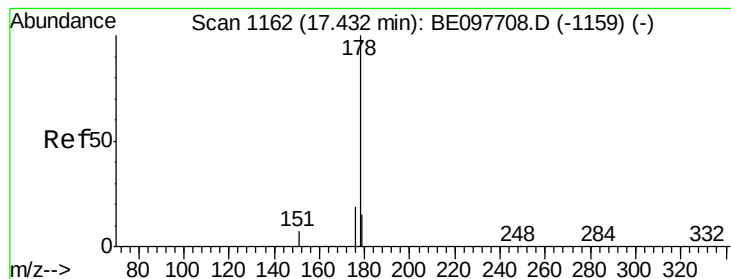


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.030 ng

RT: 17.43 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

TS-03

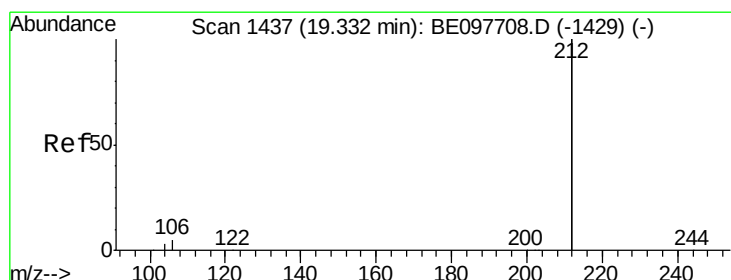
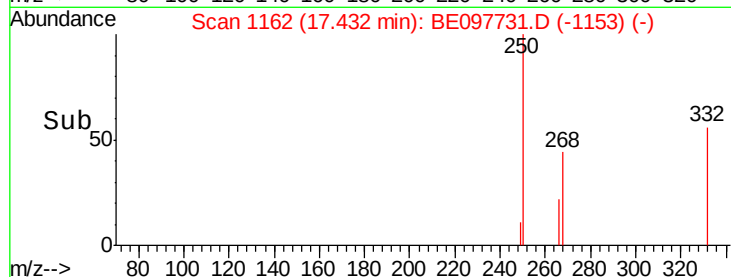
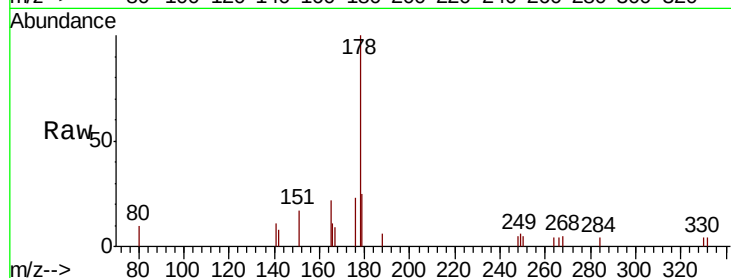
Tgt Ion:178 Resp: 1664

Ion Ratio Lower Upper

178 100

176 20.7 15.1 22.7

179 21.6 12.2 18.2#



#25

Fluoranthene-d10

Concen: 0.433 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

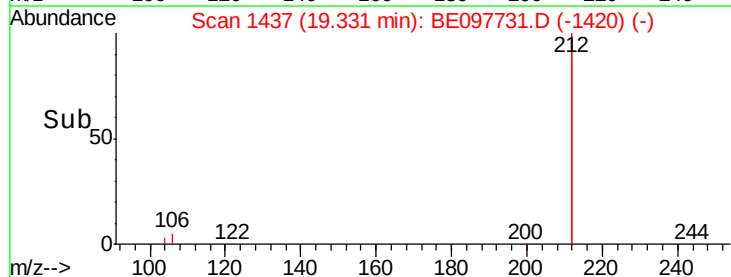
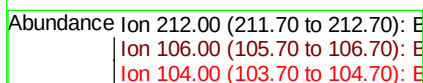
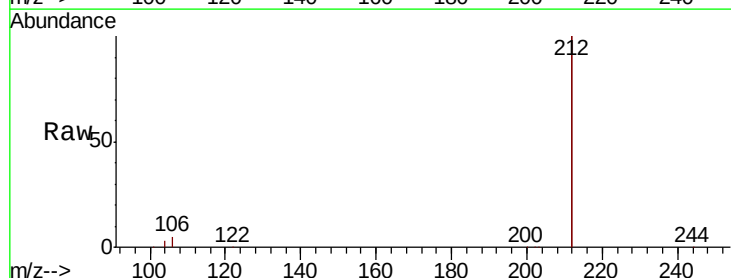
Tgt Ion:212 Resp: 135521

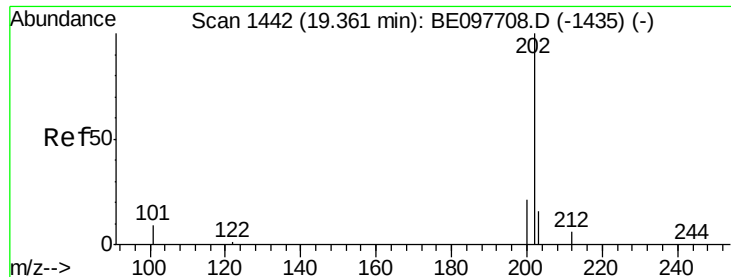
Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

104 1.6 1.2 1.8

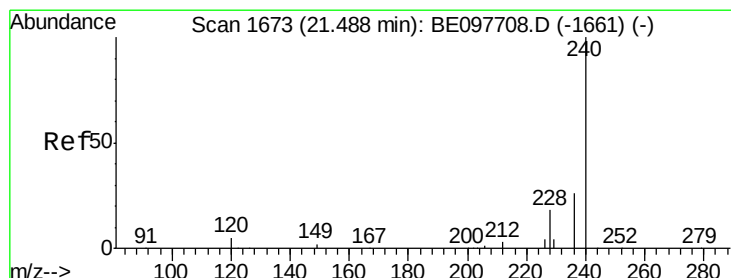
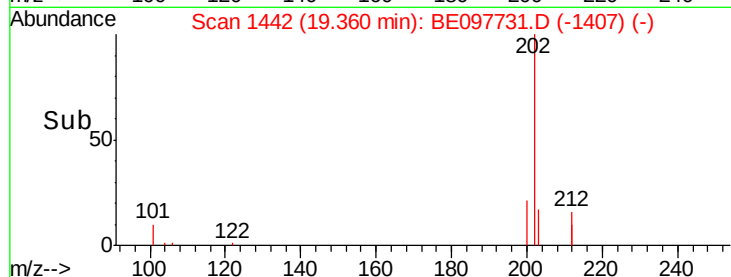
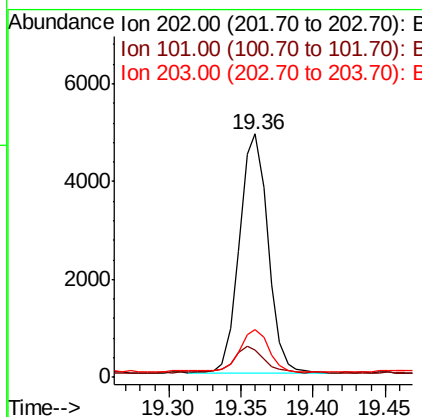
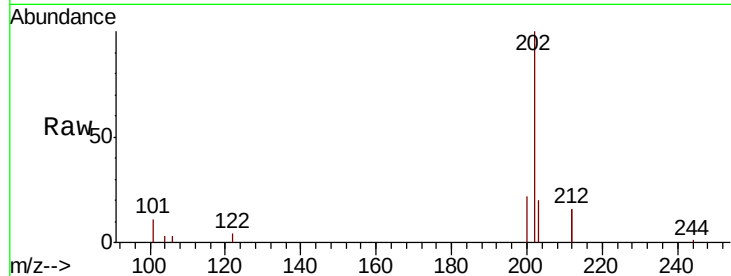




#26
 Fluoranthene
 Concen: 0.083 ng
 RT: 19.36 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BE097731.D
 Acq: 4 Oct 2018 18:36

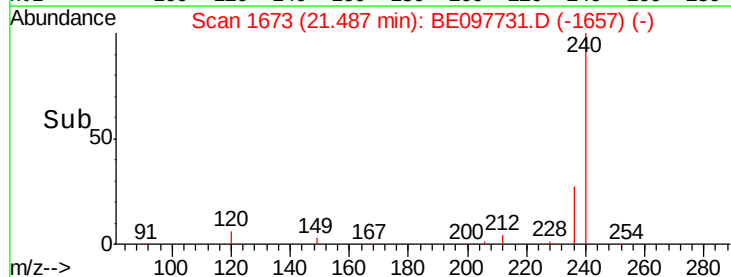
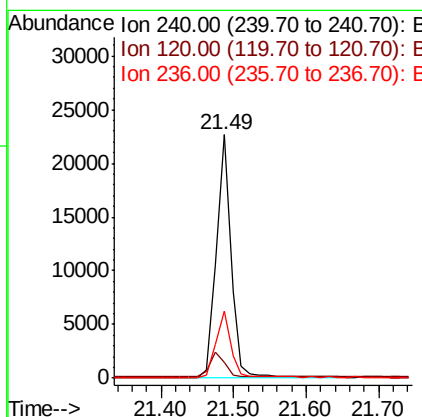
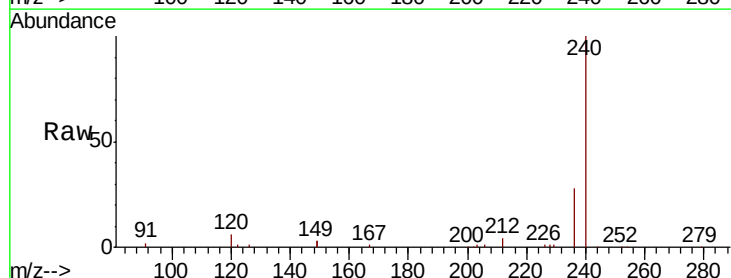
Instrument :
 BNA_E
 ClientSampleId :
 TS-03

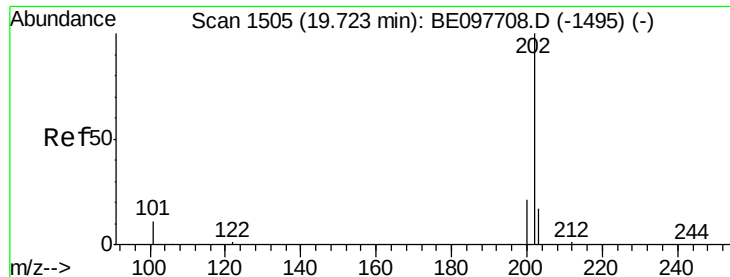
Tgt Ion:202 Resp: 6702
 Ion Ratio Lower Upper
 202 100
 101 13.8 7.8 11.8#
 203 18.1 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.49 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BE097731.D
 Acq: 4 Oct 2018 18:36

Tgt Ion:240 Resp: 31974
 Ion Ratio Lower Upper
 240 100
 120 6.4 4.7 7.1
 236 27.7 20.8 31.2

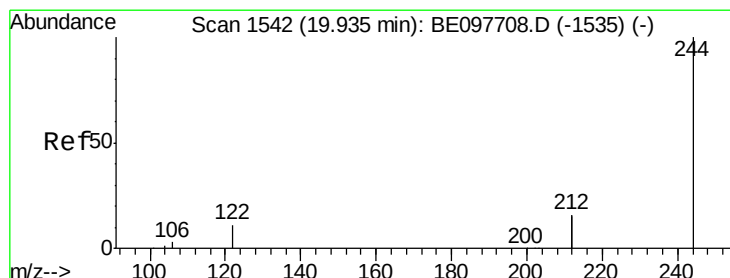
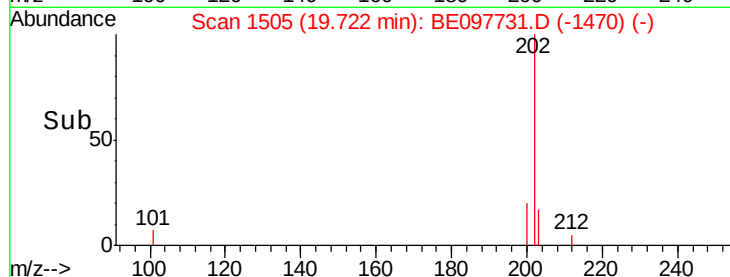
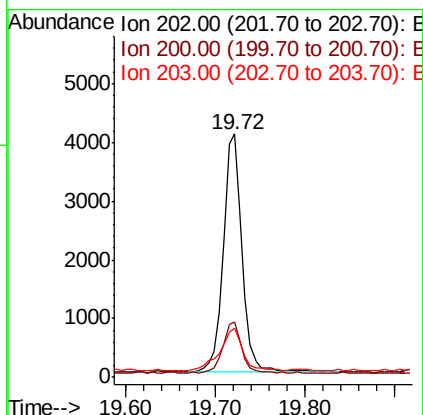
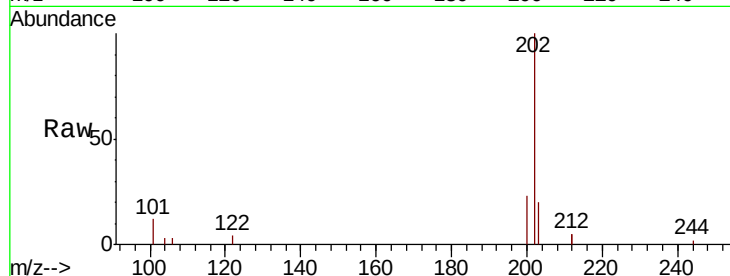




#28
 Pyrene
 Concen: 0.072 ng
 RT: 19.72 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: BE097731.D
 Acq: 4 Oct 2018 18:36

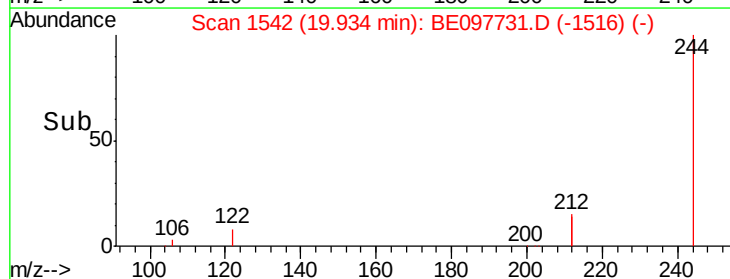
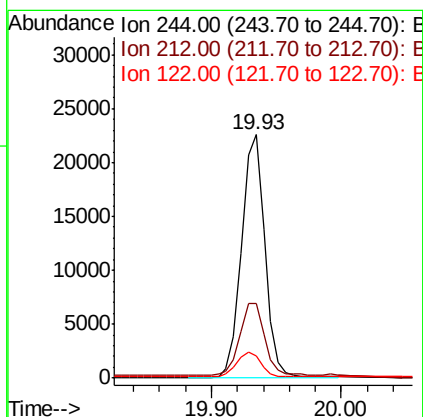
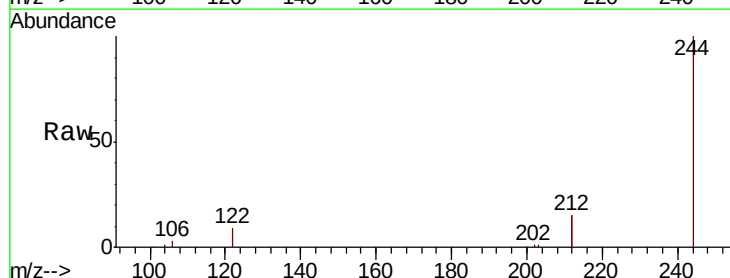
Instrument :
 BNA_E
 ClientSampled :
 TS-03

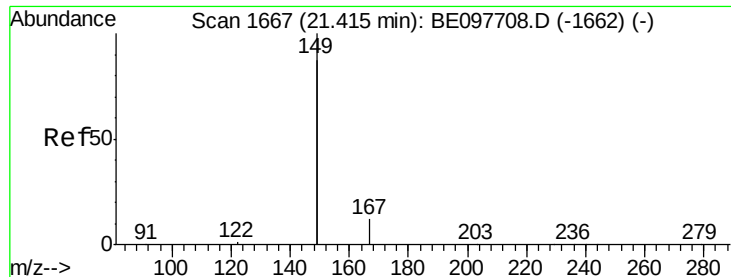
Tgt Ion: 202 Resp: 5871
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.7 25.1
 203 22.4 13.9 20.9#



#29
 Terphenyl-d14
 Concen: 0.427 ng
 RT: 19.93 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BE097731.D
 Acq: 4 Oct 2018 18:36

Tgt Ion: 244 Resp: 27856
 Ion Ratio Lower Upper
 244 100
 212 30.9 25.8 38.8
 122 9.0 8.7 13.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.239 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

Instrument :

BNA_E

ClientSampleId :

TS-03

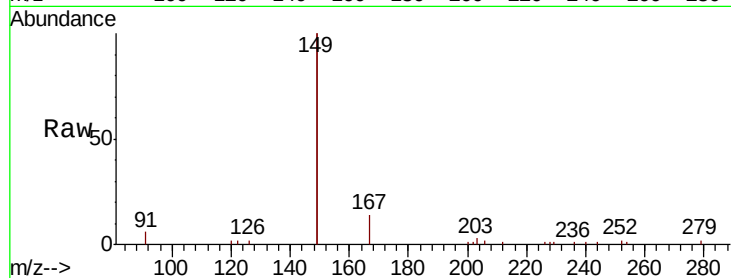
Tgt Ion:149 Resp: 15011

Ion Ratio Lower Upper

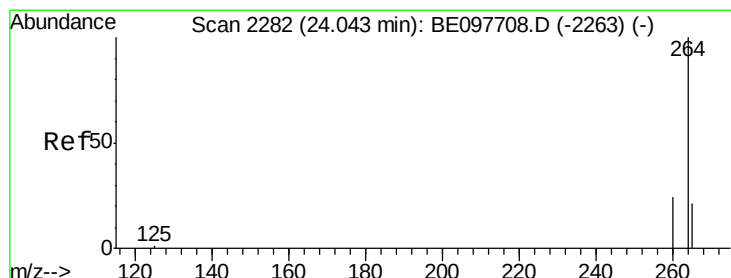
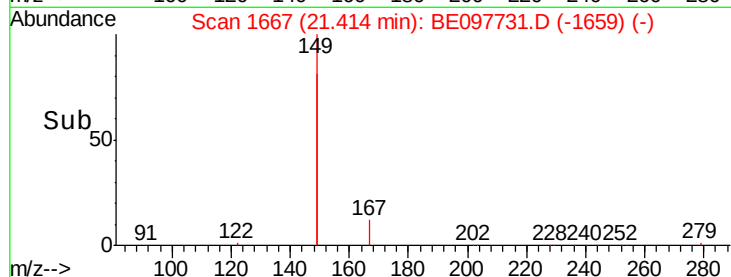
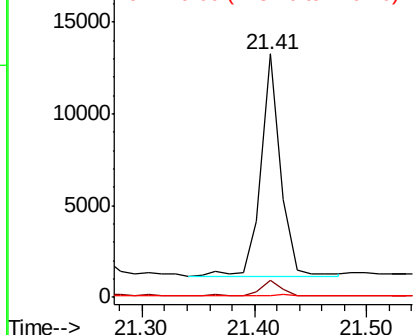
149 100

167 7.1 5.5 8.3

279 1.4 0.9 1.3#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.04 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE097731.D

Acq: 4 Oct 2018 18:36

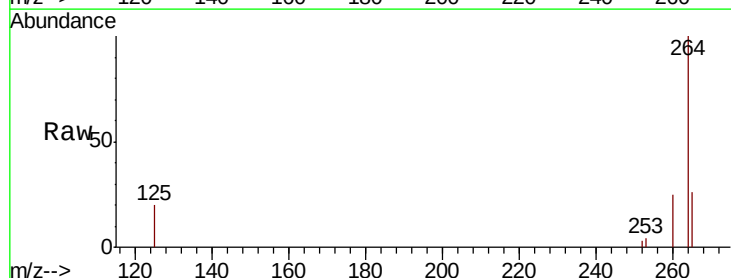
Tgt Ion:264 Resp: 31015

Ion Ratio Lower Upper

264 100

260 25.1 19.1 28.7

265 26.2 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

