

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097070.D
 Acq On : 24 Jul 2018 13:26
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072418

Quant Time: Jul 24 14:13:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1157	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5625	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3616	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	9577	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8496	0.40	ng	-0.01
34) Perylene-d12	23.21	264	7601	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1245	0.38	ng	0.00
5) Phenol-d6	6.59	99	1825	0.38	ng	0.00
8) Nitrobenzene-d5	8.53	82	1961	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3363	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	463	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5077	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	36395	0.38	ng	0.00
29) Terphenyl-d14	19.43	244	6683	0.41	ng	0.00

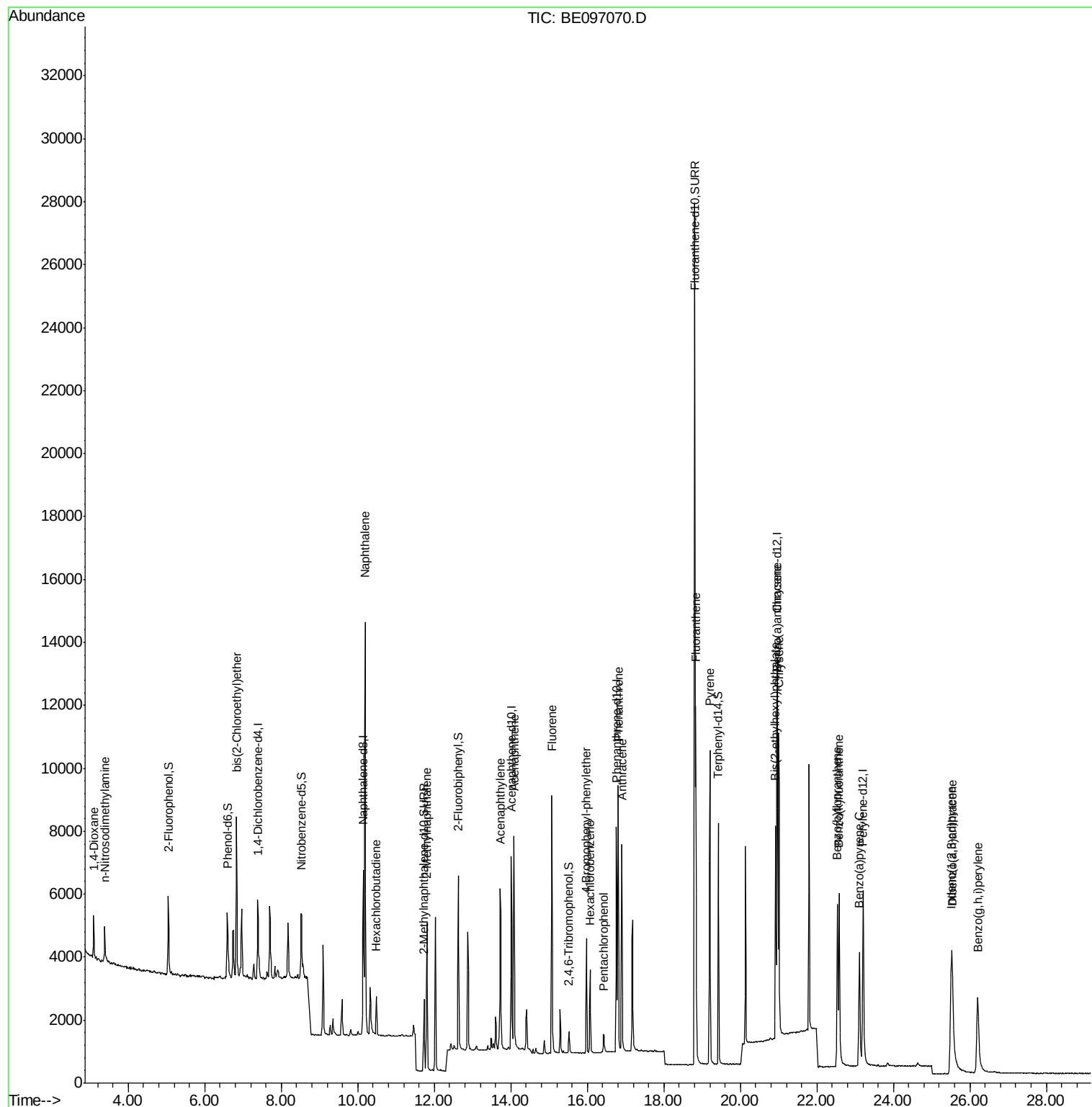
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	802	0.436	ng	# 87
3) n-Nitrosodimethylamine	3.38	42	845	0.411	ng	# 86
6) bis(2-Chloroethyl)ether	6.84	93	1688	0.388	ng	92
9) Naphthalene	10.20	128	20605	0.408	ng	100
10) Hexachlorobutadiene	10.48	225	933	0.413	ng	95
12) 2-Methylnaphthalene	11.81	142	3502	0.404	ng	99
16) Acenaphthylene	13.73	152	6475	0.399	ng	99
17) Acenaphthene	14.08	154	3732	0.396	ng	# 90
18) Fluorene	15.07	166	4866	0.390	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1875	0.403	ng	# 80
21) Hexachlorobenzene	16.08	284	2098	0.420	ng	# 84
22) Pentachlorophenol	16.44	266	415	0.364	ng	# 78
23) Phenanthrene	16.81	178	9111	0.399	ng	98
24) Anthracene	16.90	178	7869	0.385	ng	95
26) Fluoranthene	18.84	202	9883	0.386	ng	98
28) Pyrene	19.21	202	9544	0.409	ng	99
30) Benzo(a)anthracene	20.96	228	7806	0.369	ng	98
31) Chrysene	21.00	228	9406	0.415	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	8106	0.365	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	7838	0.382	ng	# 78
35) Benzo(b)fluoranthene	22.54	252	7052	0.366	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	8674	0.385	ng	94
37) Benzo(a)pyrene	23.11	252	6621	0.365	ng	92
38) Dibenzo(a,h)anthracene	25.53	278	6624	0.366	ng	97
39) Benzo(g,h,i)perylene	26.20	276	7159	0.372	ng	# 90

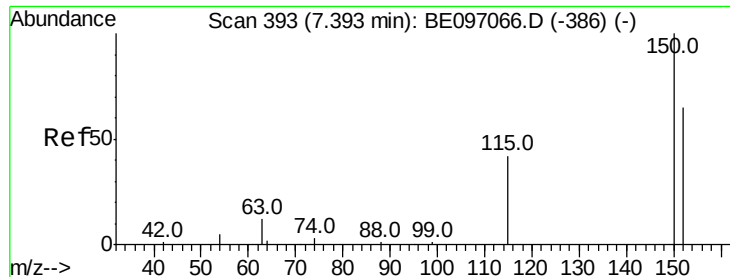
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

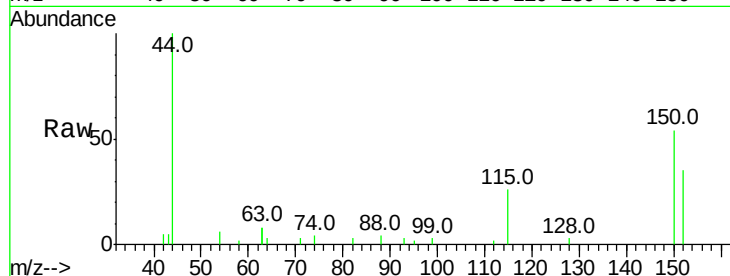
Tot Ion:152 Resp: 1157

Ion Ratio Lower Upper

152 100

150 156.5 117.2 175.8

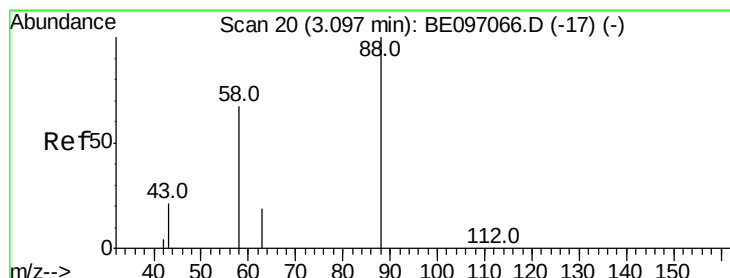
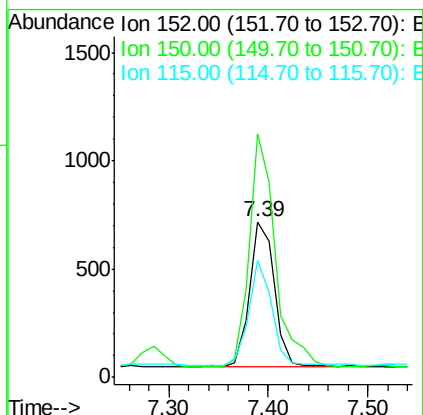
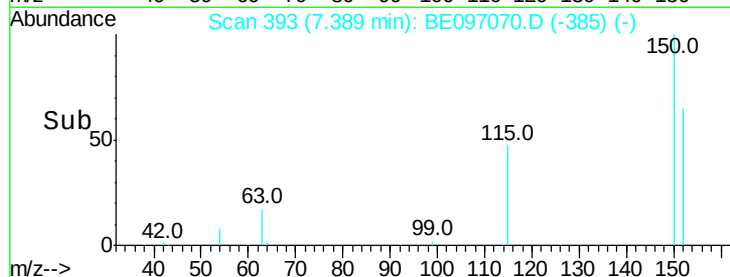
115 75.3 57.0 85.6



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: 0.436 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

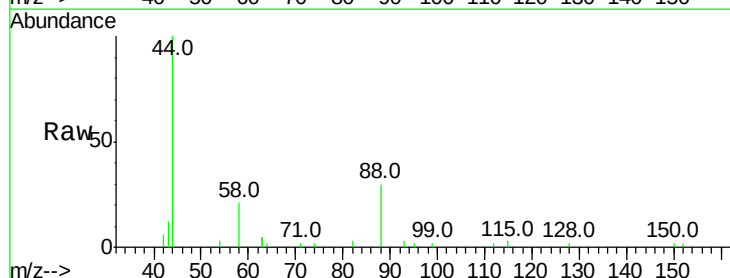
Tgt Ion: 88 Resp: 802

Ion Ratio Lower Upper

88 100

58 76.2 63.2 94.8

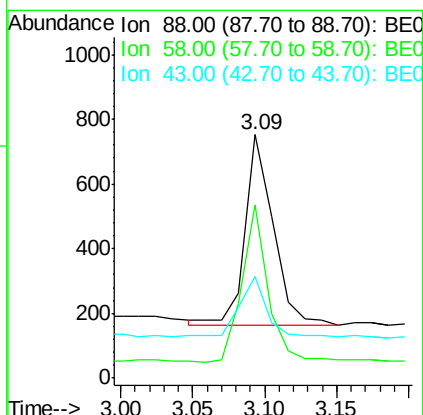
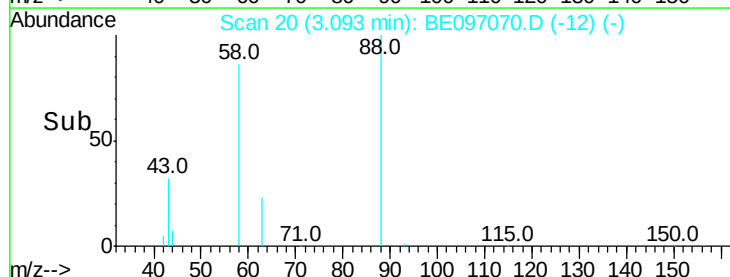
43 31.4 41.2 61.8#

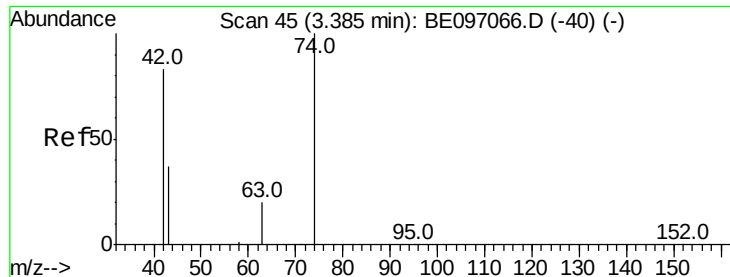


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



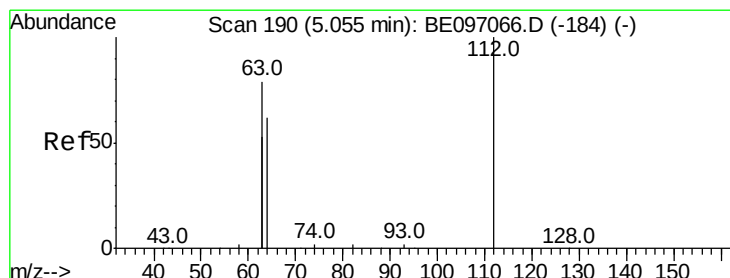
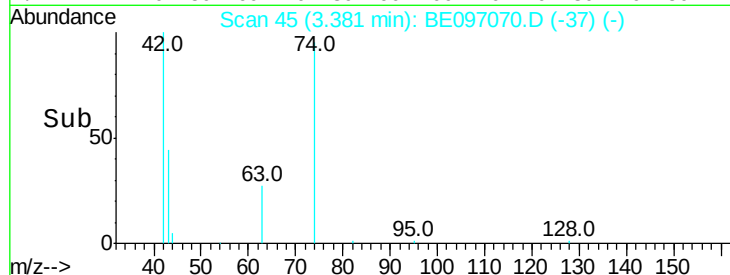
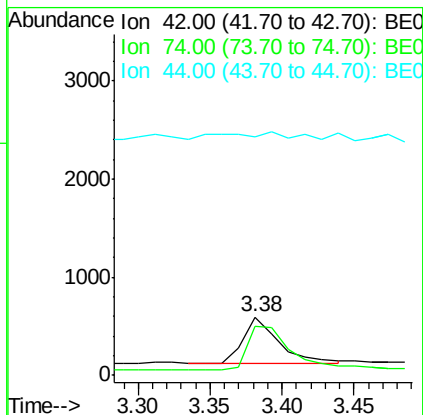
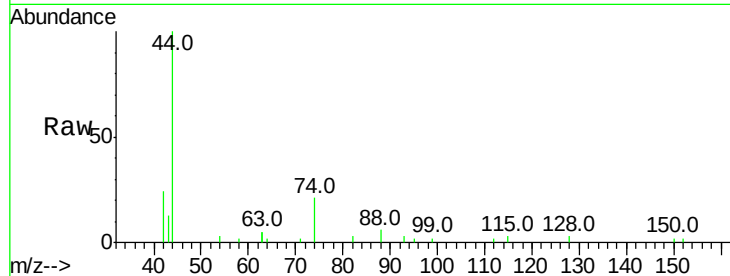


#3

n-Nitrosodimethylamine
Concen: 0.411 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

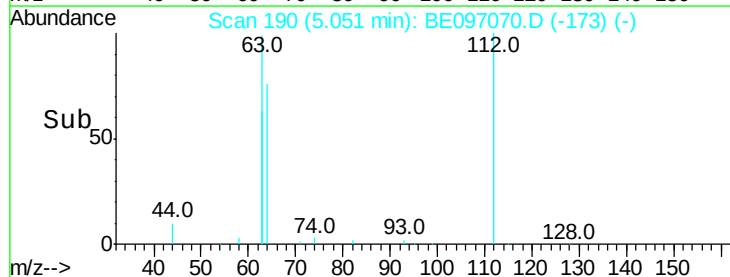
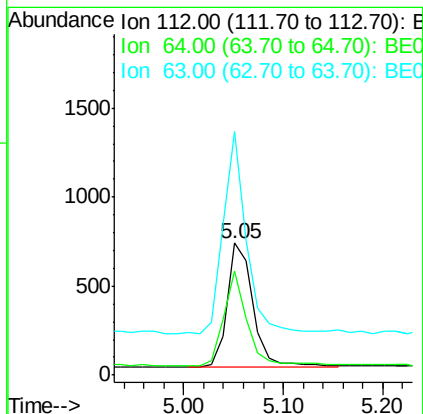
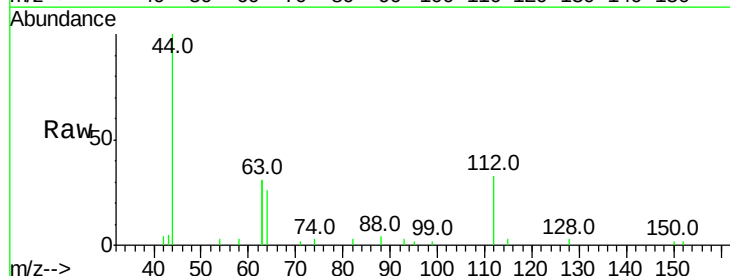
Tot Ion: 42 Resp: 845
Ion Ratio Lower Upper
42 100
74 107.0 96.0 144.0
44 0.0 12.0 18.0#

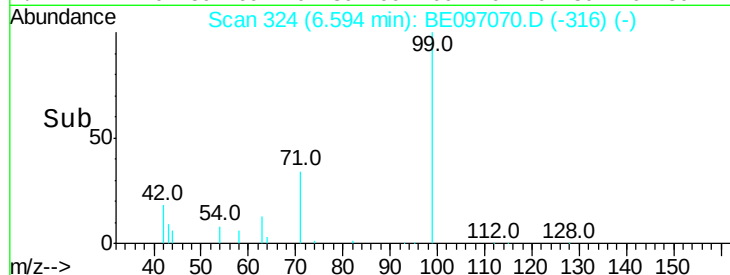
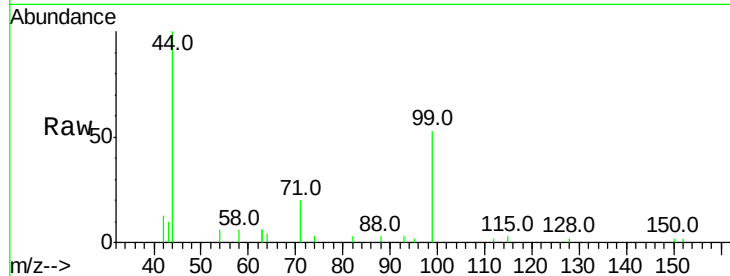
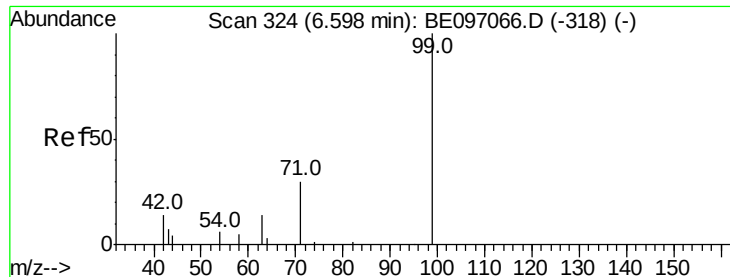


#4

2-Fluorophenol
Concen: 0.383 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion: 112 Resp: 1245
Ion Ratio Lower Upper
112 100
64 69.1 60.1 90.1
63 143.2 116.8 175.2





#5

Phenol-d6

Concen: 0.383 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

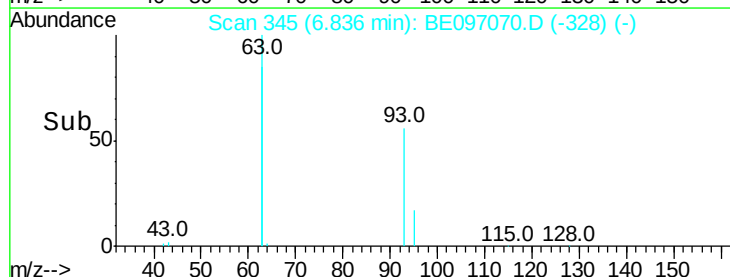
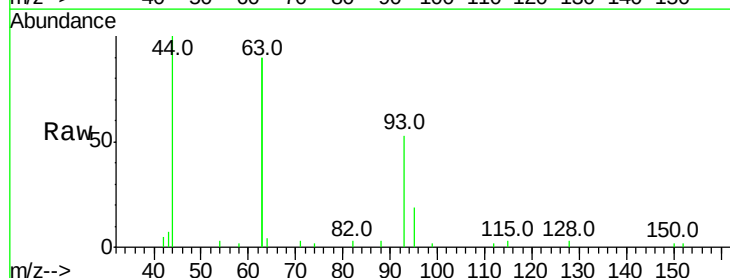
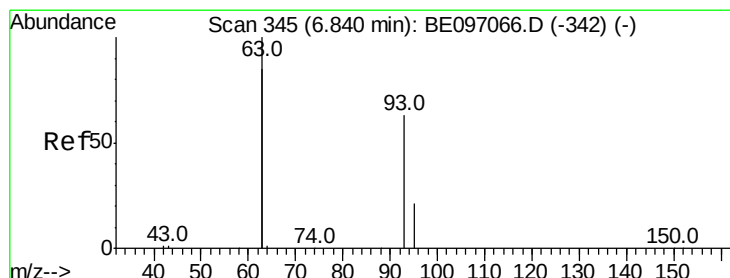
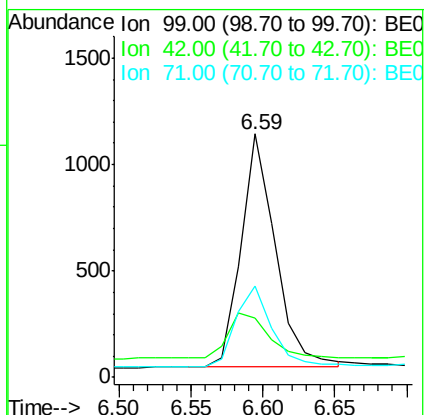
Tot Ion: 99 Resp: 1825

Ion Ratio Lower Upper

99 100

42 23.0 20.2 30.2

71 35.7 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.388 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

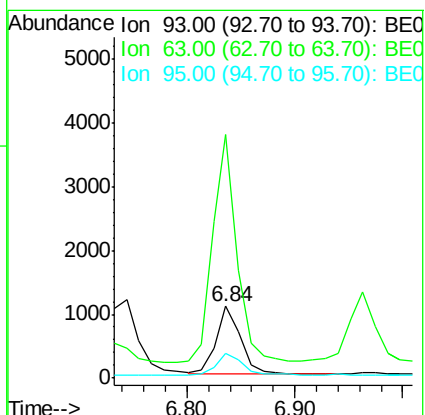
Tgt Ion: 93 Resp: 1688

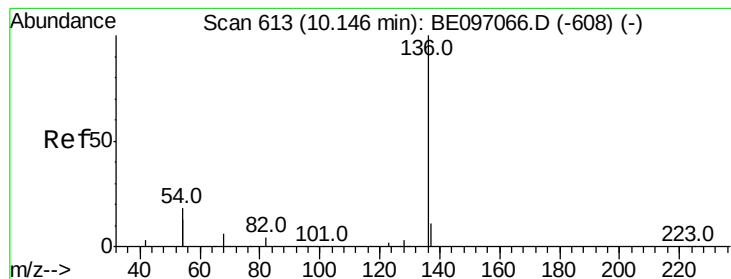
Ion Ratio Lower Upper

93 100

63 325.1 275.3 412.9

95 31.4 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

Tot Ion:136 Resp: 5625

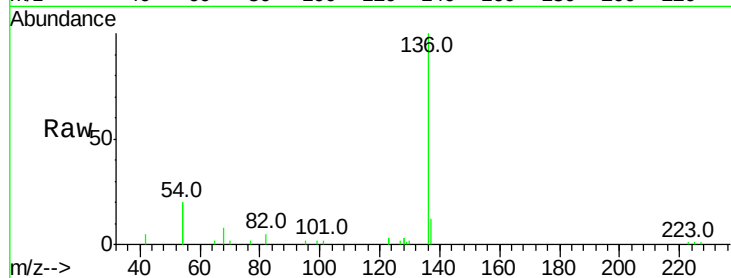
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 40.2 29.1 43.7

68 7.8 6.2 9.2

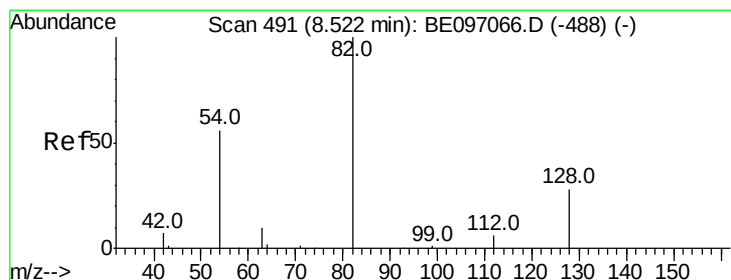
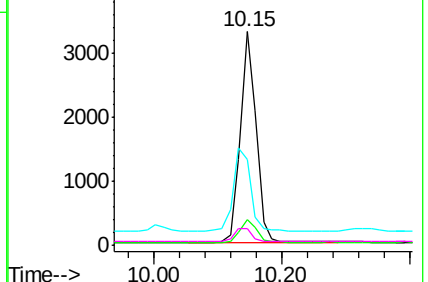
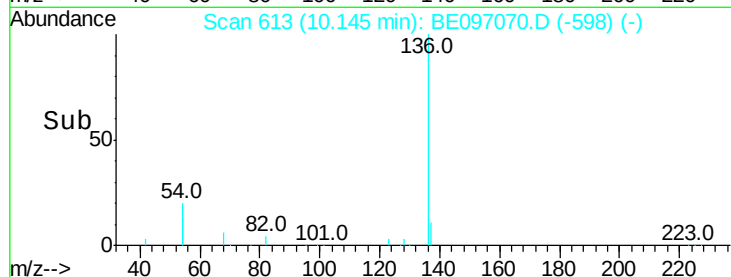


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.401 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

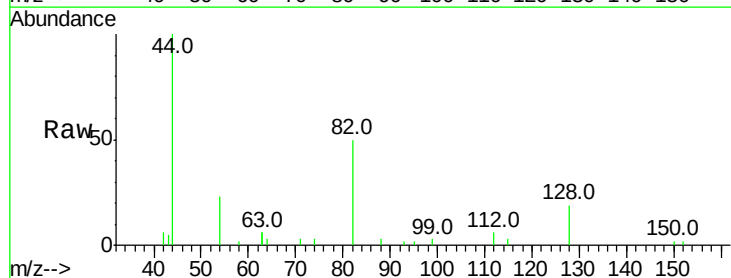
Tgt Ion: 82 Resp: 1961

Ion Ratio Lower Upper

82 100

128 37.9 24.0 36.0#

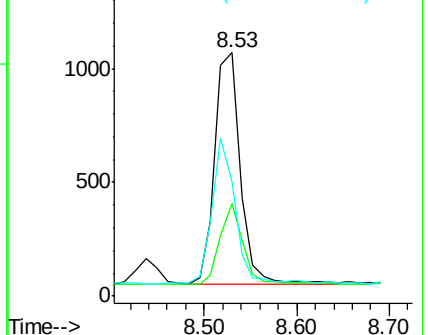
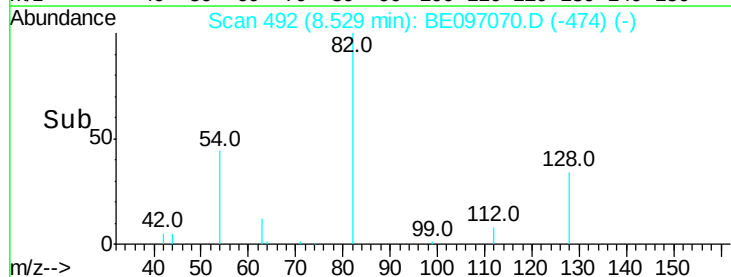
54 46.7 40.0 60.0

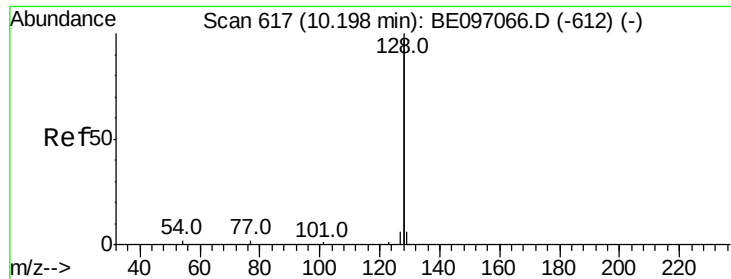


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.408 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

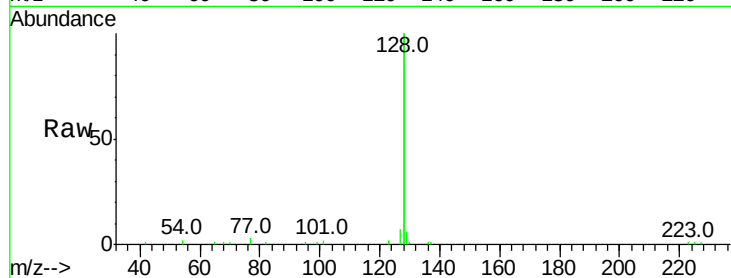
Tot Ion:128 Resp: 20605

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

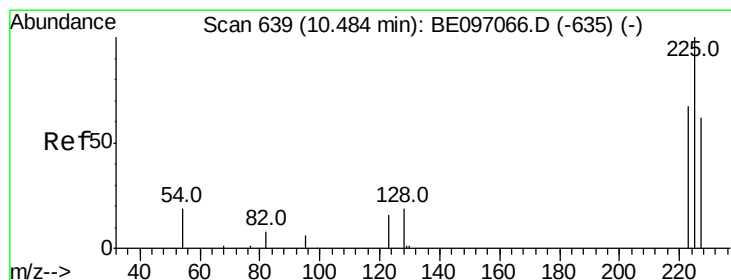
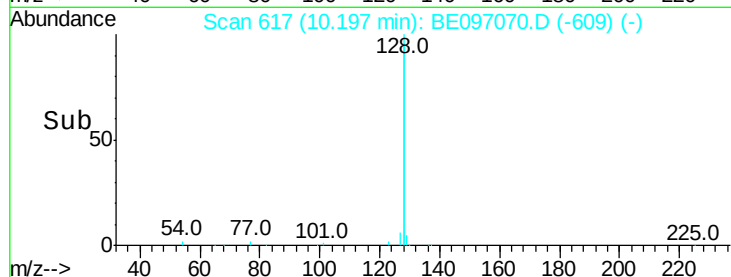
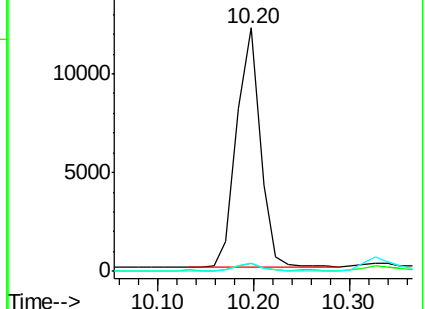
127 3.5 2.8 4.2



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: 0.413 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

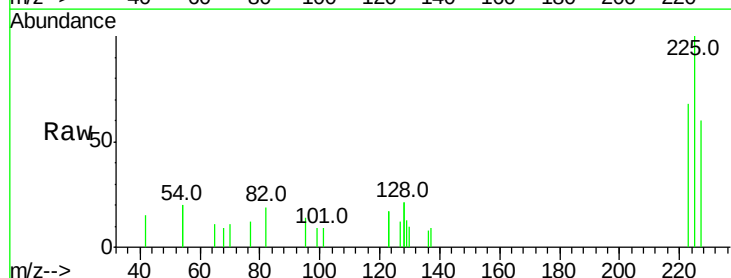
Tgt Ion:225 Resp: 933

Ion Ratio Lower Upper

225 100

223 62.7 53.0 79.6

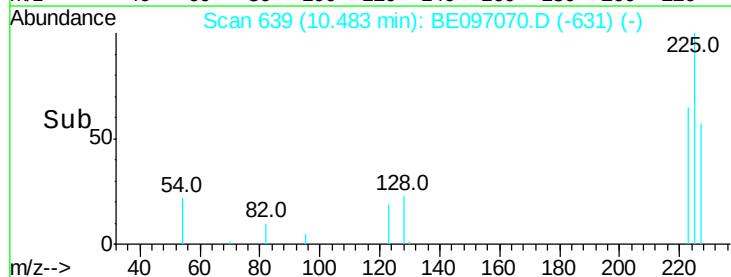
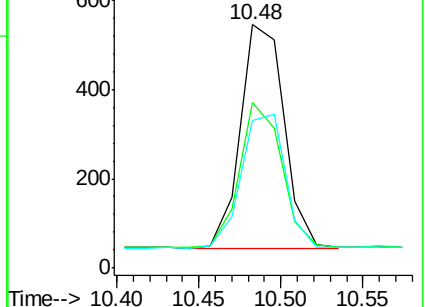
227 60.7 51.4 77.2

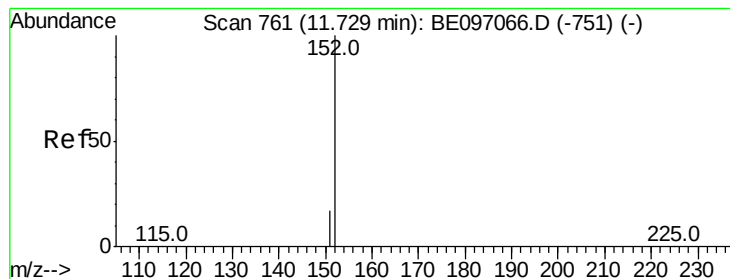


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.399 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

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ClientSampleId :

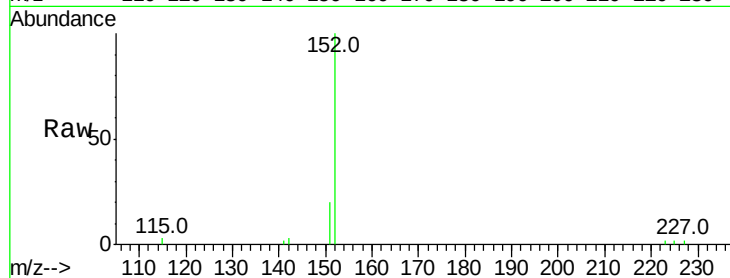
ICVBE072418

Tot Ion:152 Resp: 3363

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2000

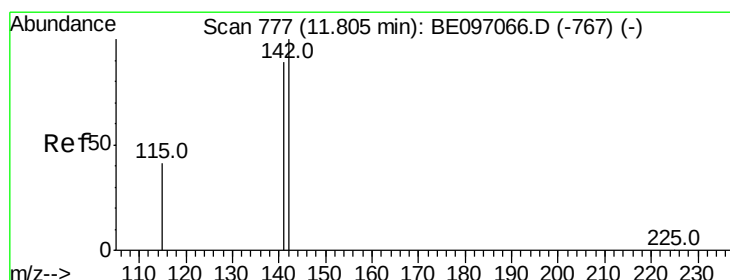
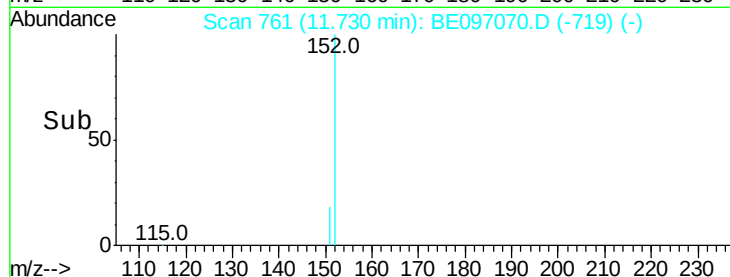
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.404 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

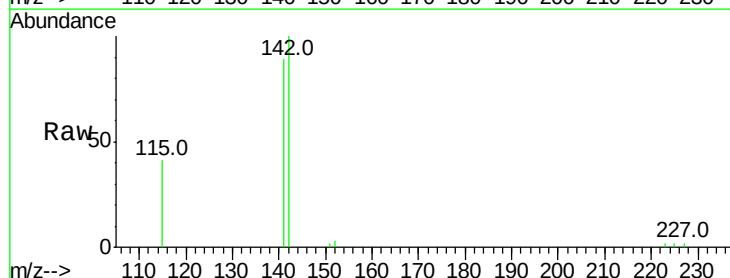
Tgt Ion:142 Resp: 3502

Ion Ratio Lower Upper

142 100

141 88.6 70.4 105.6

115 40.7 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2500

2000

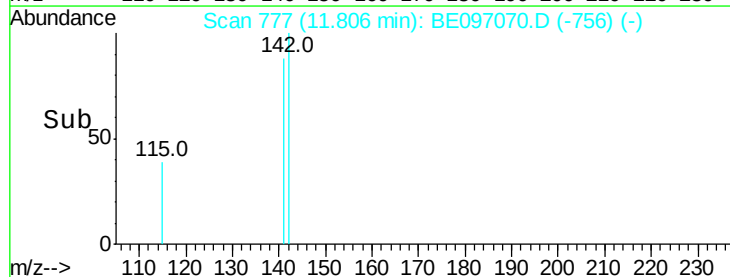
1500

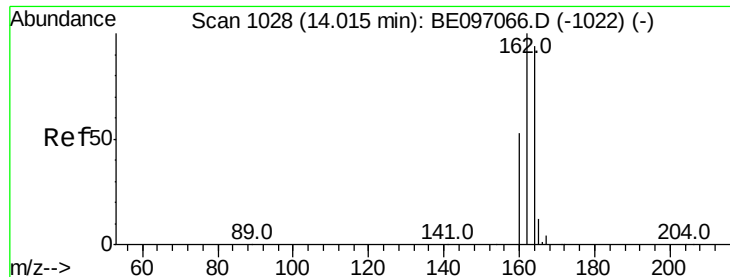
1000

500

0

Time--> 11.70 11.80 11.90

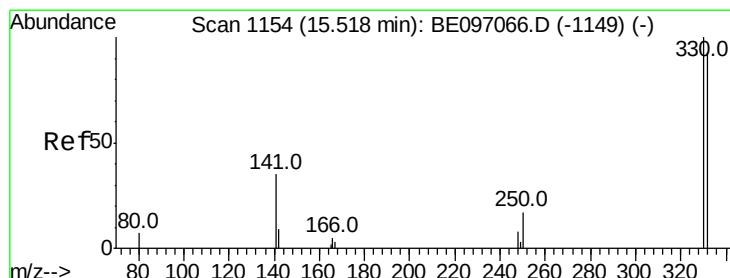
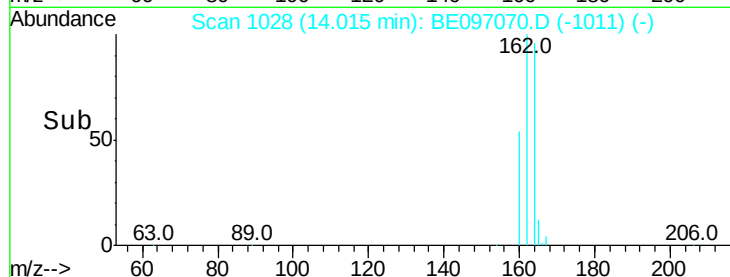
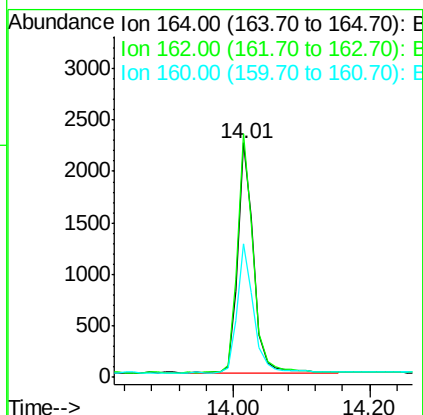
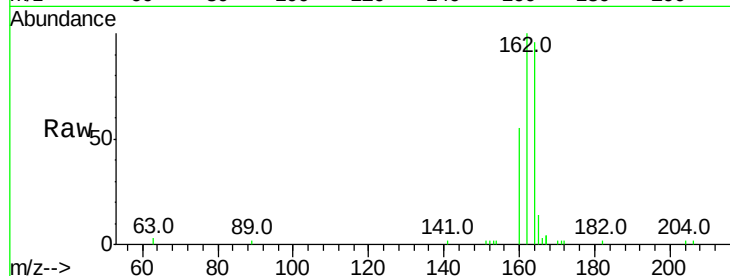




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097070.D
 Acq: 24 Jul 2018 13:26

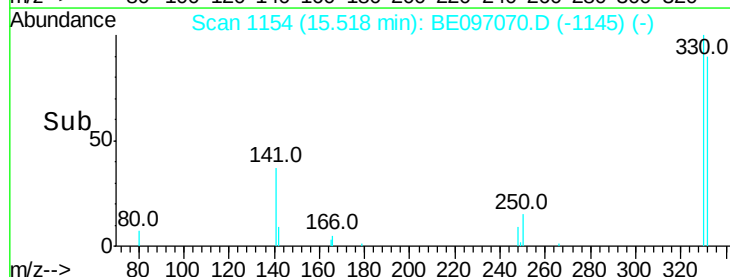
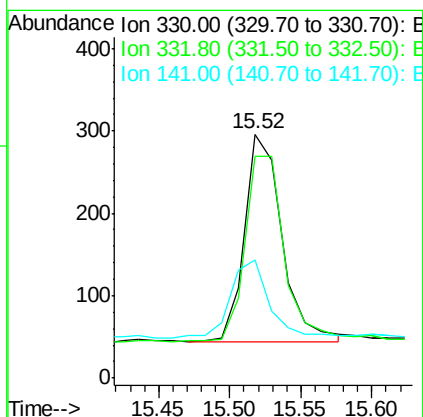
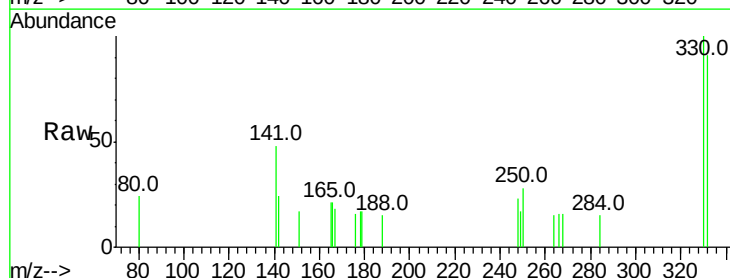
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072418

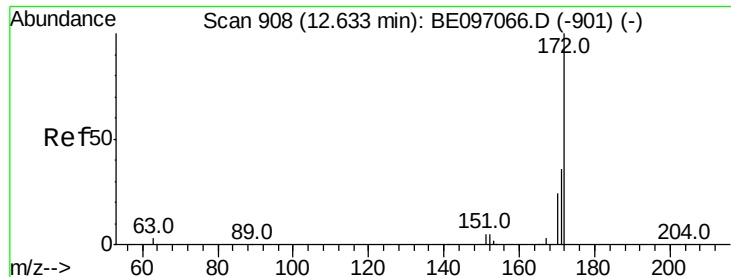
Tot Ion:164 Resp: 3616
 Ion Ratio Lower Upper
 164 100
 162 103.8 83.1 124.7
 160 57.2 37.1 55.7#



#14
 2,4,6-Tribromophenol
 Concen: 0.389 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE097070.D
 Acq: 24 Jul 2018 13:26

Tgt Ion:330 Resp: 463
 Ion Ratio Lower Upper
 330 100
 332 94.2 152.7 229.1#
 141 38.4 33.7 50.5

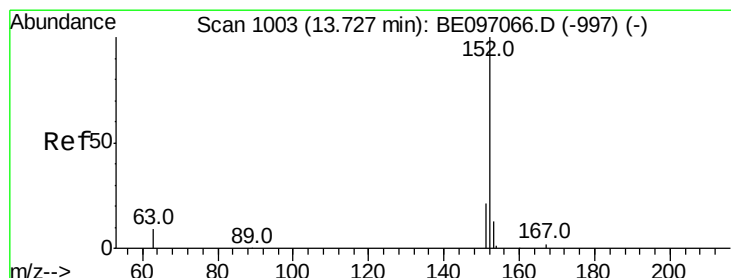
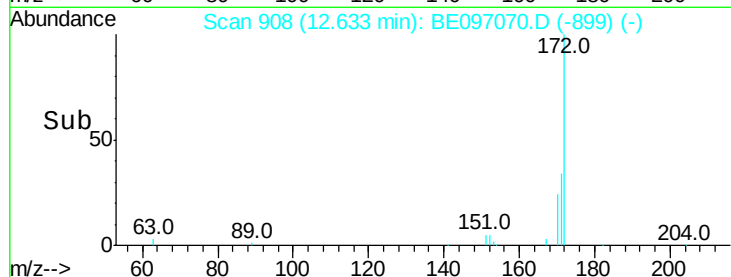
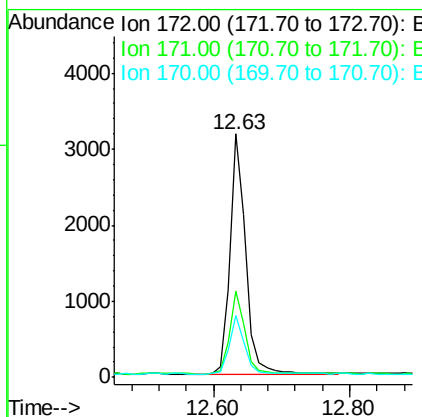
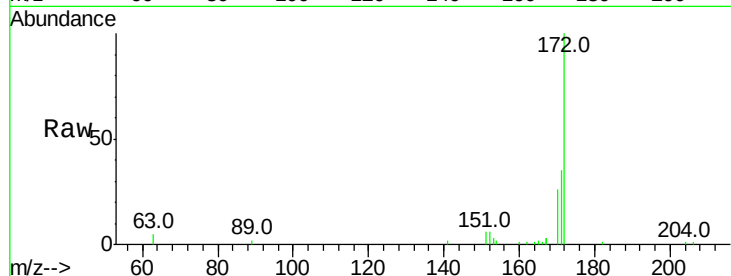




#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

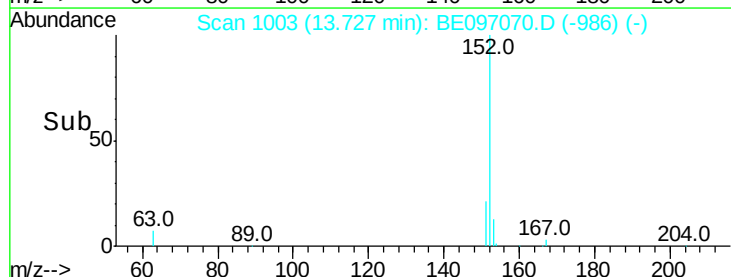
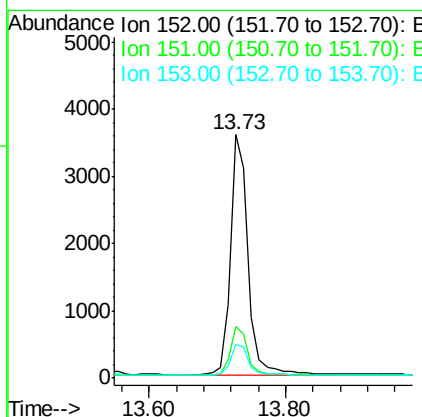
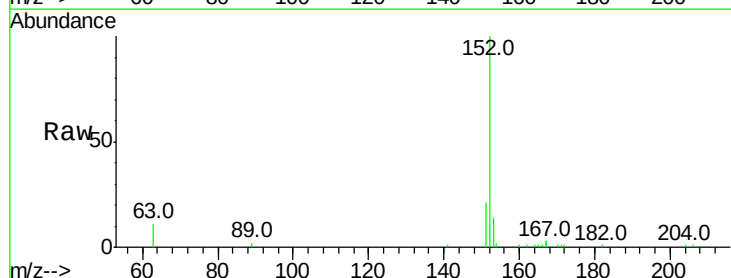
Instrument :
BNA_E
ClientSampleId :
ICVBE072418

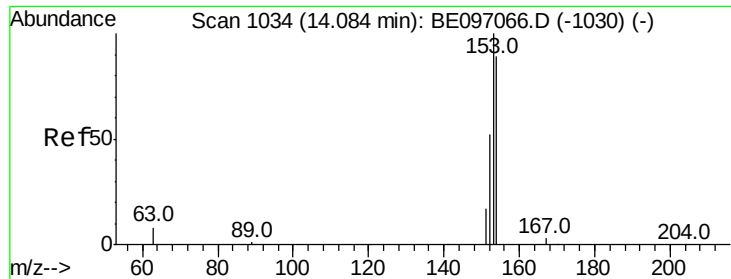
Tot Ion:172 Resp: 5077
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 25.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.399 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:152 Resp: 6475
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 12.6 10.5 15.7





#17

Acenaphthene

Concen: 0.396 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

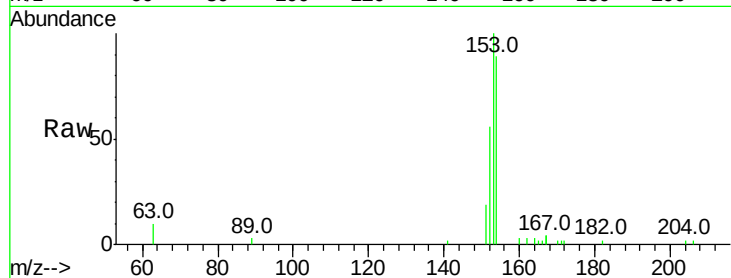
Tot Ion:154 Resp: 3732

Ion Ratio Lower Upper

154 100

153 117.8 89.2 133.8

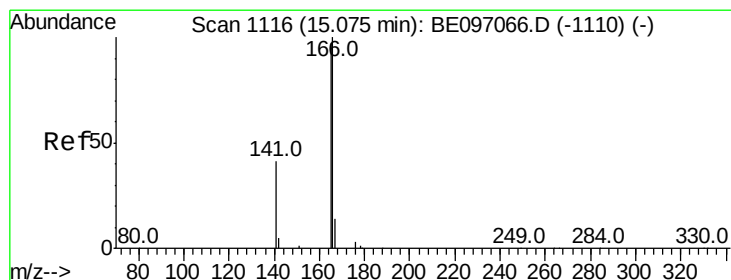
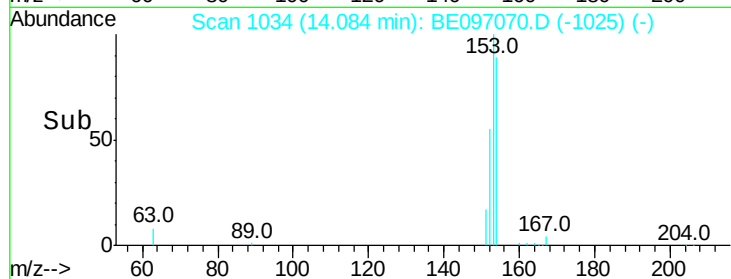
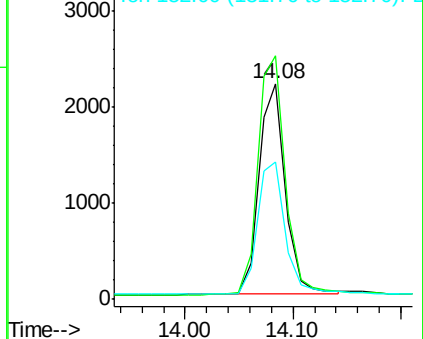
152 66.6 42.0 63.0#



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: 0.390 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

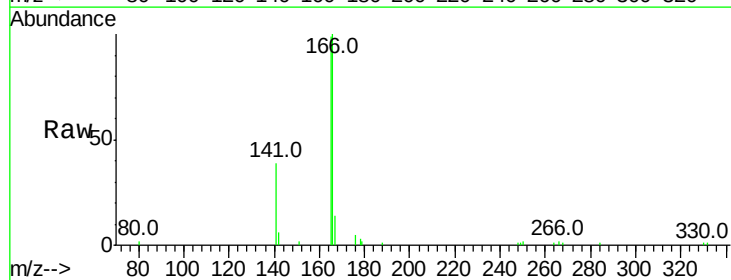
Tgt Ion:166 Resp: 4866

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

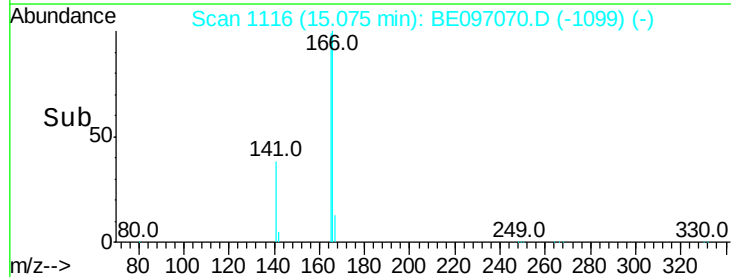
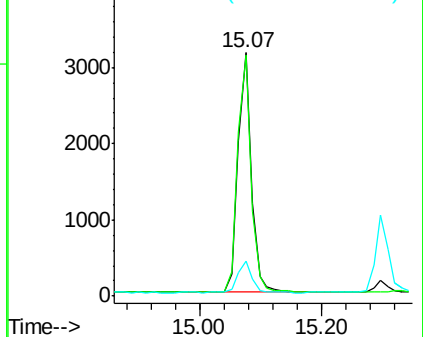
167 13.4 42.4 63.6#

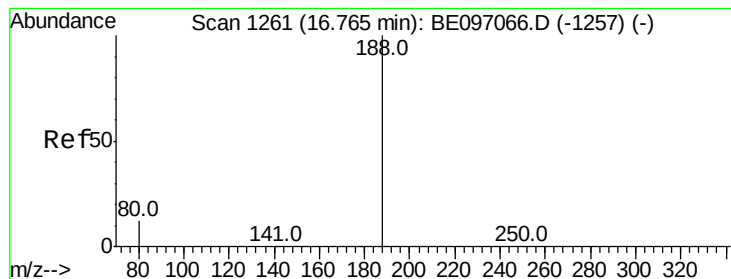


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

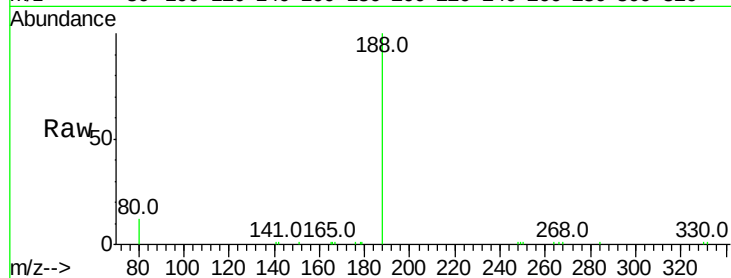
Tot Ion:188 Resp: 9577

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

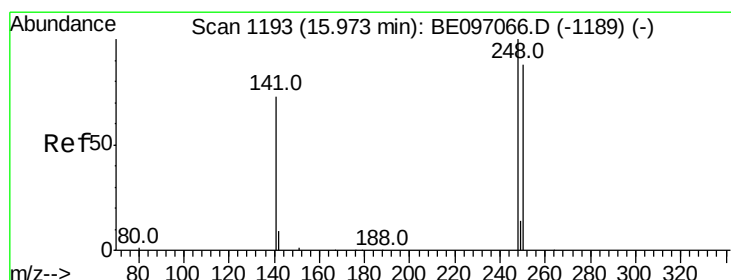
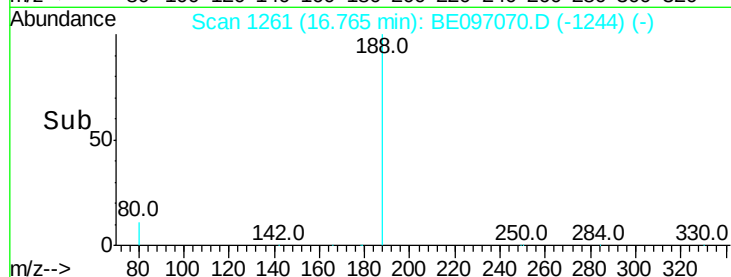
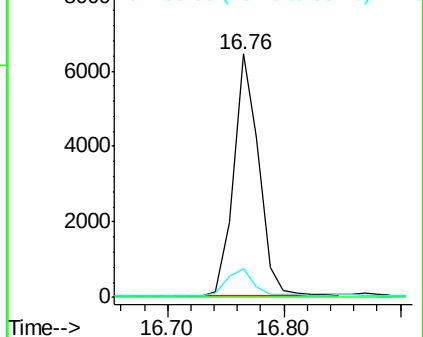
80 11.8 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.403 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

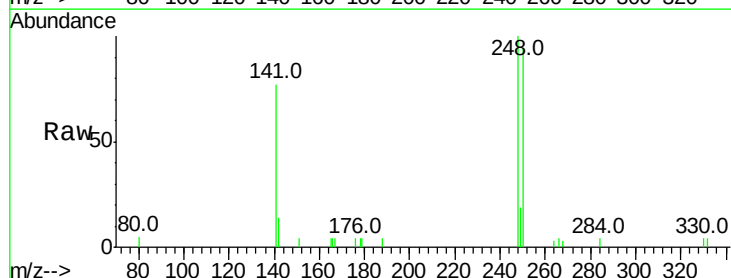
Tgt Ion:248 Resp: 1875

Ion Ratio Lower Upper

248 100

250 94.1 62.7 94.1#

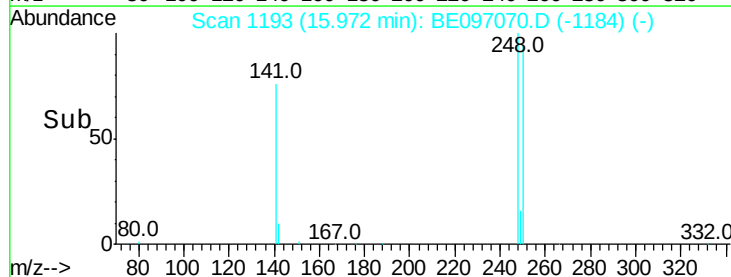
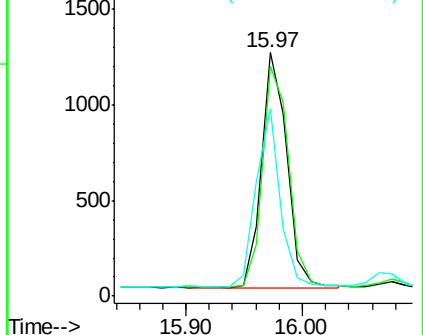
141 76.8 48.2 72.2#

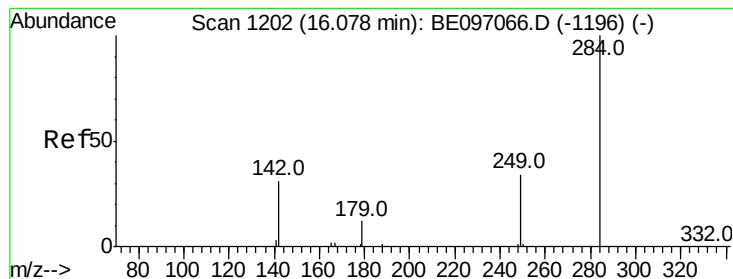


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.420 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

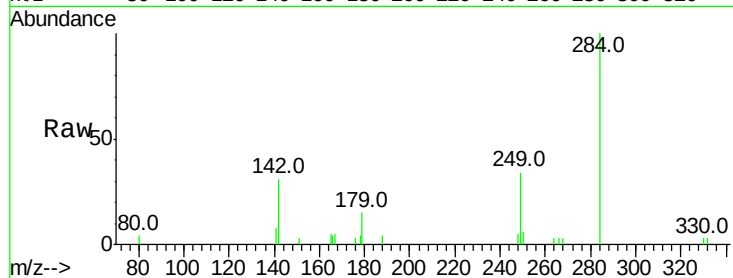
Tot Ion:284 Resp: 2098

Ion Ratio Lower Upper

284 100

142 33.5 22.1 33.1#

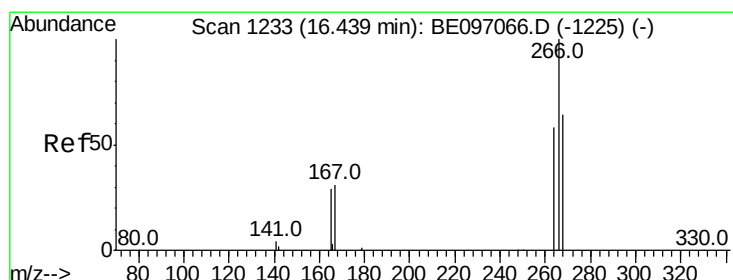
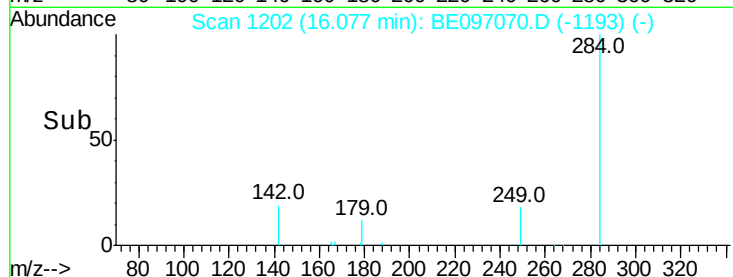
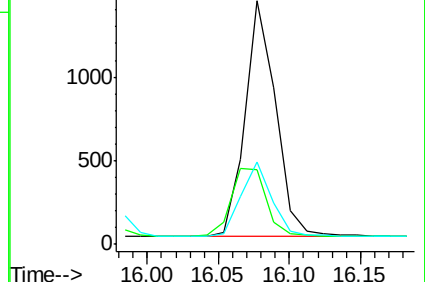
249 31.6 34.8 52.2#



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: 0.364 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

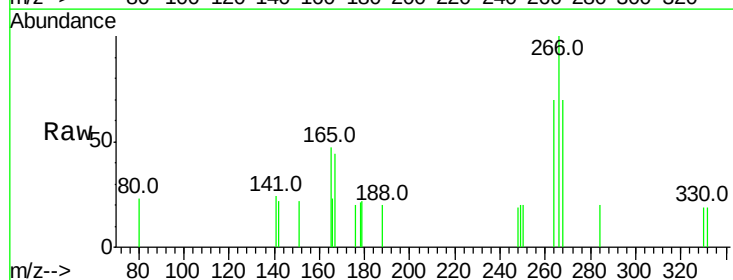
Tgt Ion:266 Resp: 415

Ion Ratio Lower Upper

266 100

264 69.6 72.5 108.7#

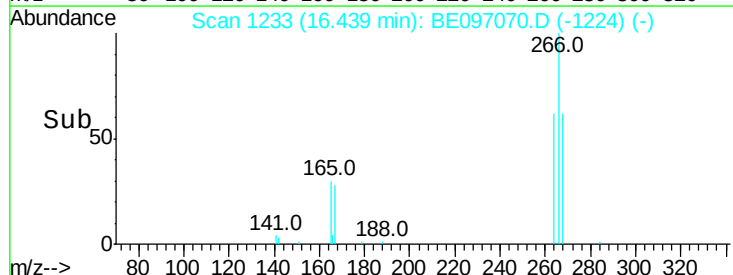
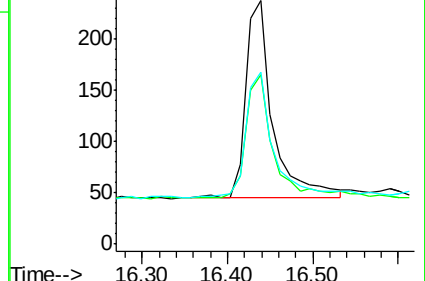
268 70.5 73.8 110.6#

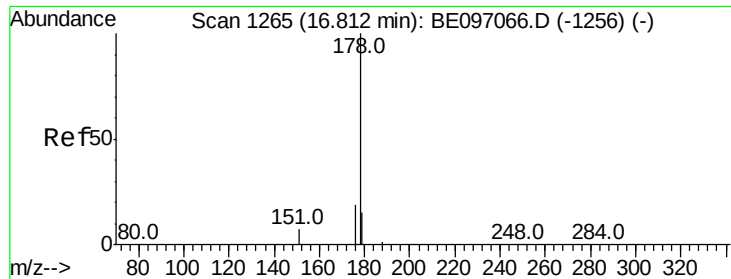


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.399 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

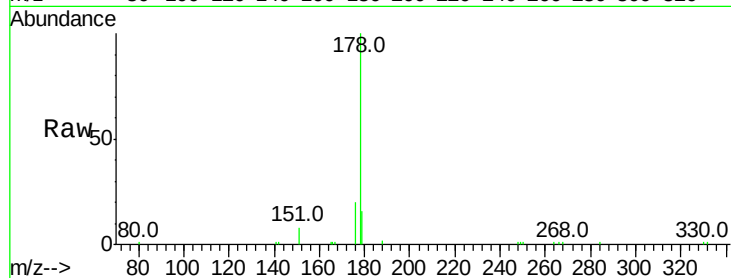
BNA_E

ClientSampleId :

ICVBE072418

Tot Ion:178 Resp: 9111

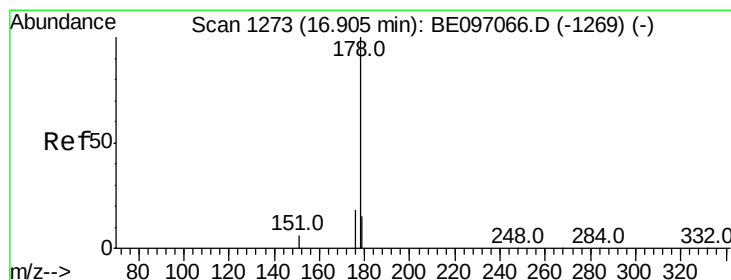
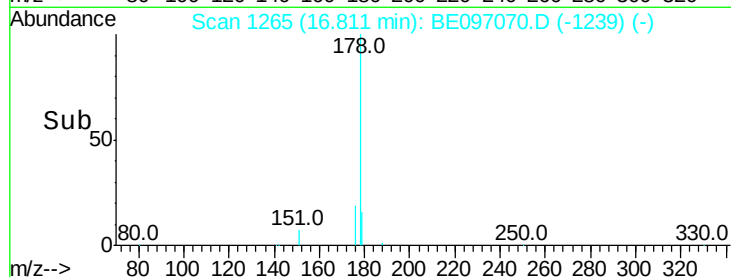
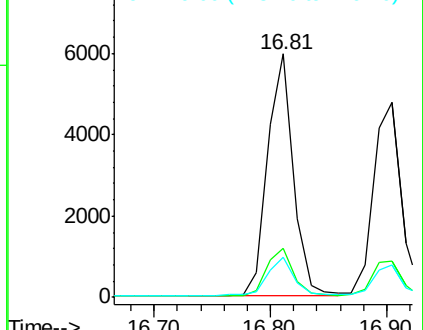
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.5	11.8	17.6



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: 0.385 ng

RT: 16.90 min Scan# 1273

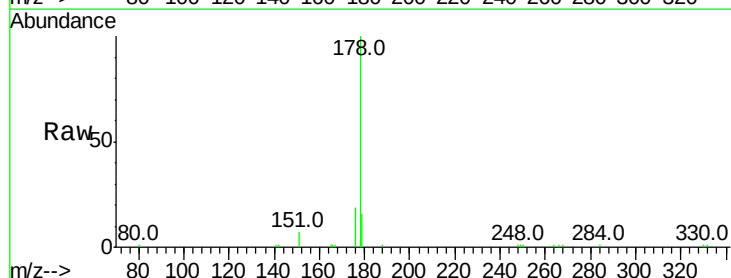
Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Tgt Ion:178 Resp: 7869

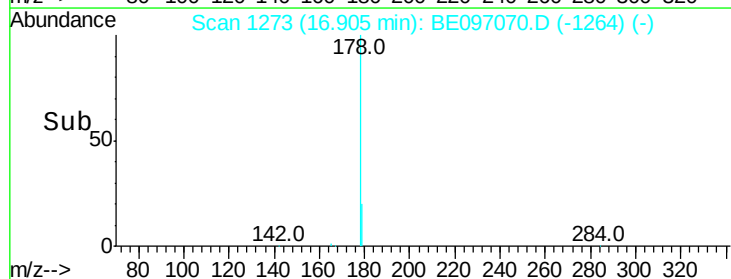
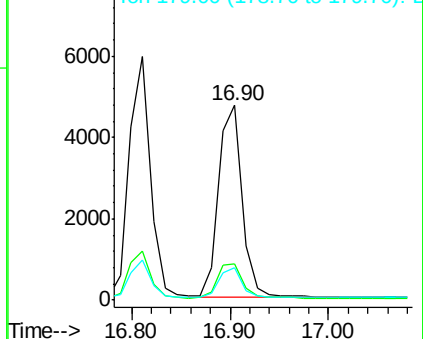
Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	14.9	13.0	19.6

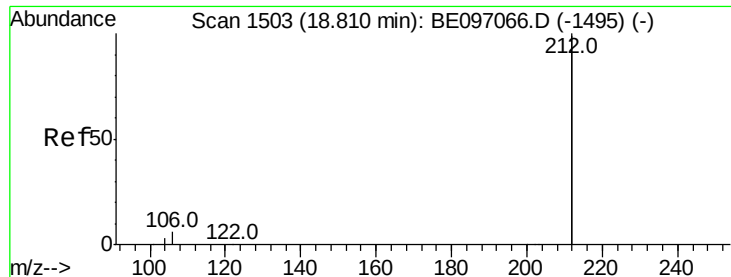


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

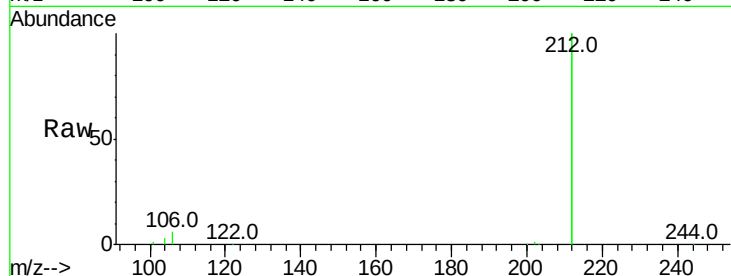
Tot Ion:212 Resp: 36395

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

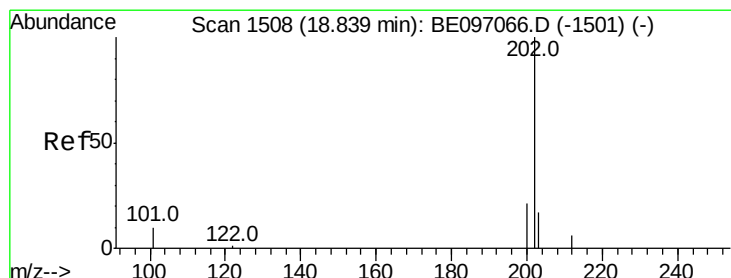
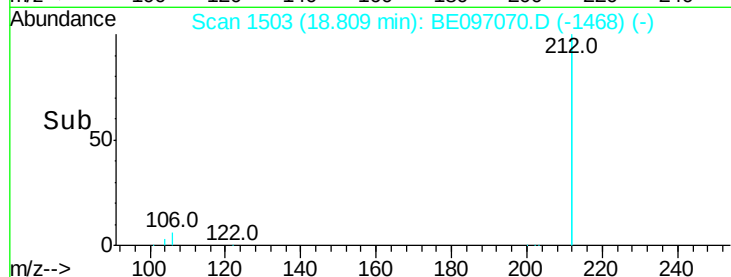
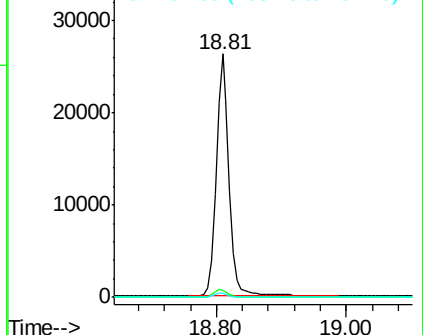
104 1.7 1.6 2.4



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: 0.386 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

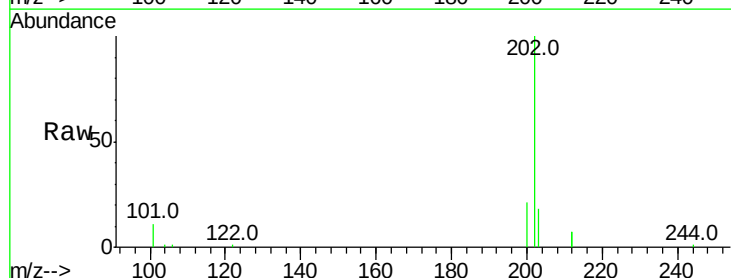
Tgt Ion:202 Resp: 9883

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

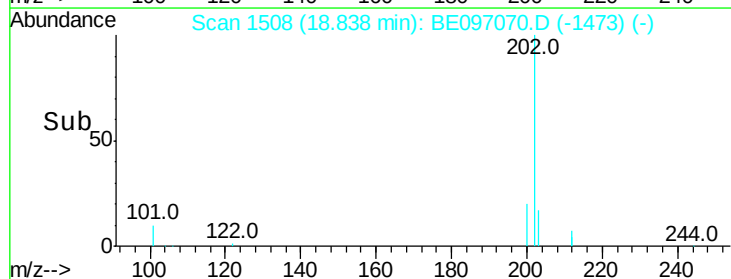
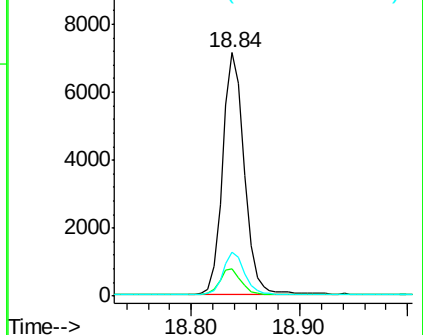
203 16.9 13.7 20.5

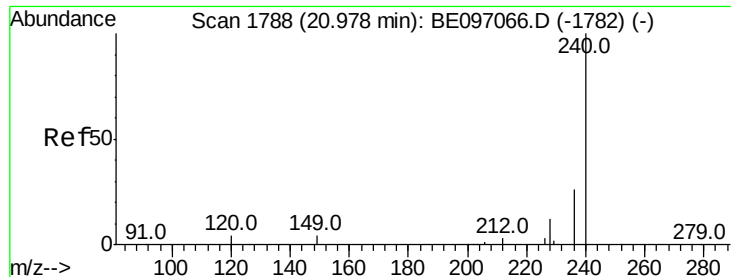


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

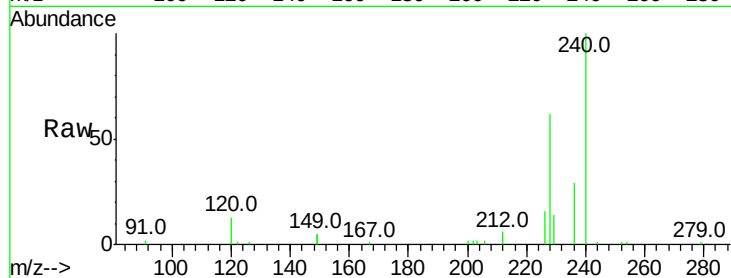
Tot Ion:240 Resp: 8496

Ion Ratio Lower Upper

240 100

120 13.3 5.5 8.3#

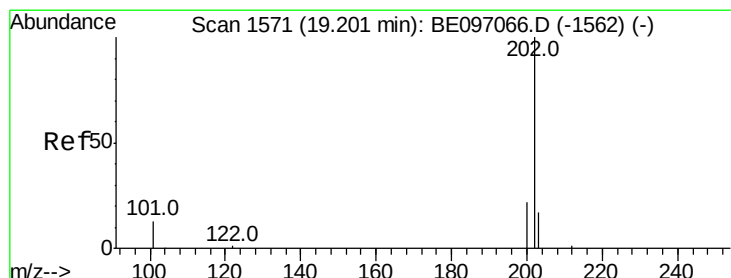
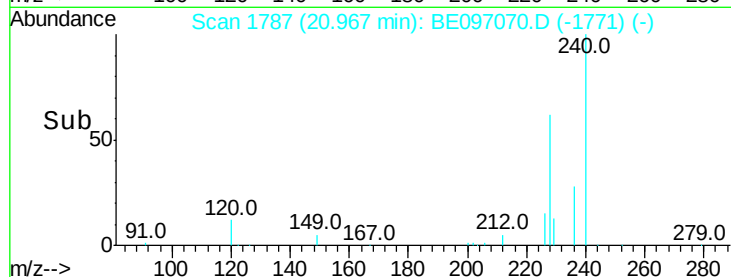
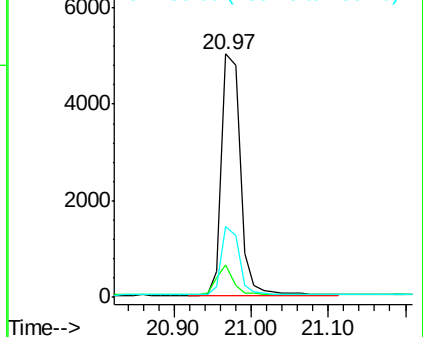
236 28.9 20.7 31.1



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: 0.409 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

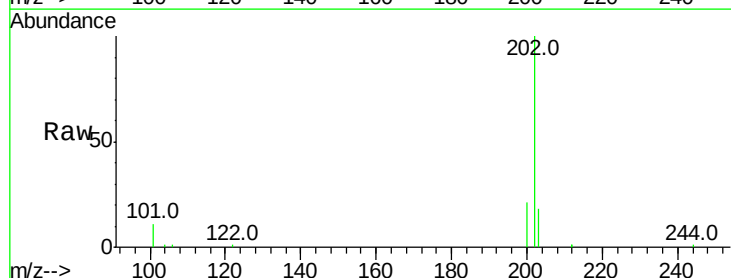
Tgt Ion:202 Resp: 9544

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

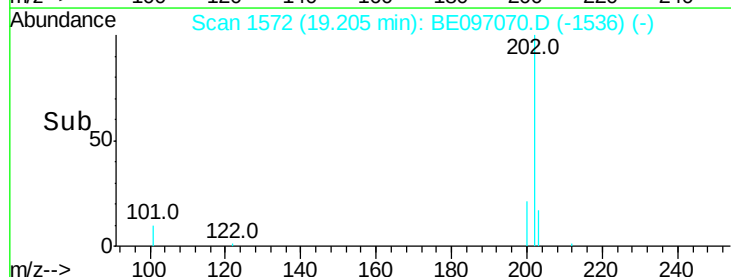
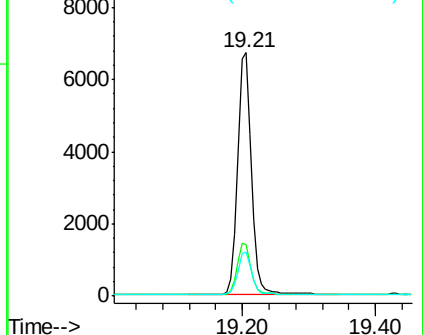
203 17.3 13.8 20.8

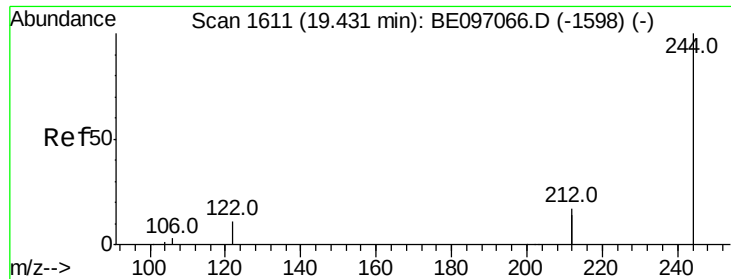


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

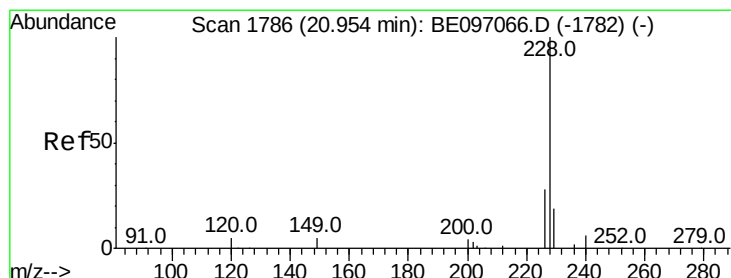
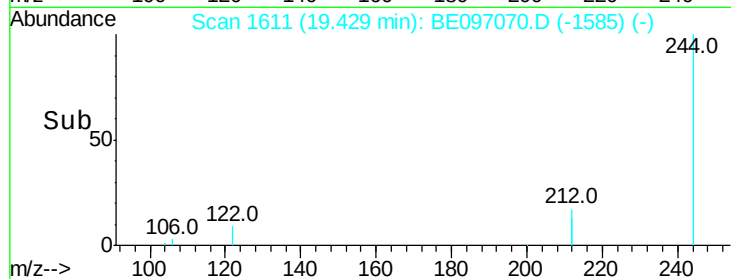
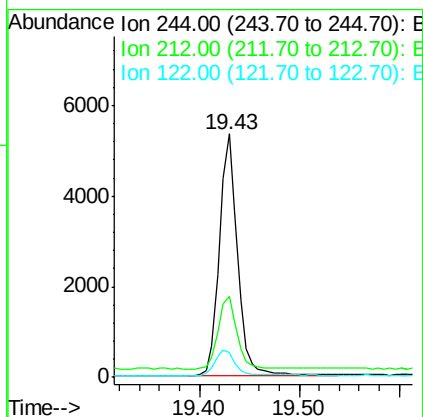
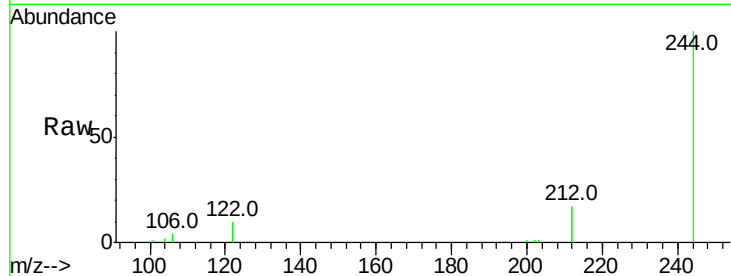




#29
 Terphenyl-d14
 Concen: 0.409 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097070.D
 Acq: 24 Jul 2018 13:26

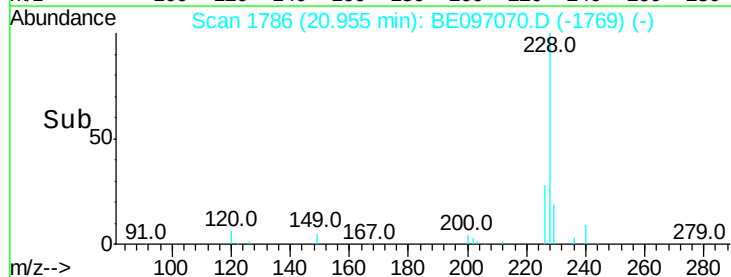
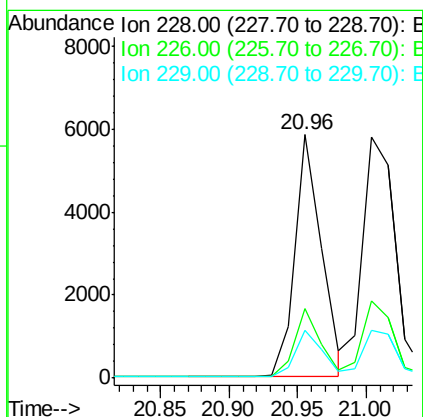
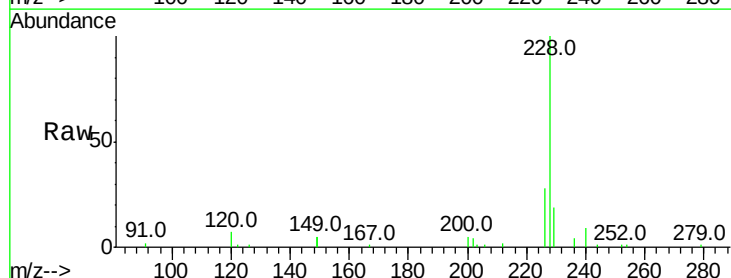
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072418

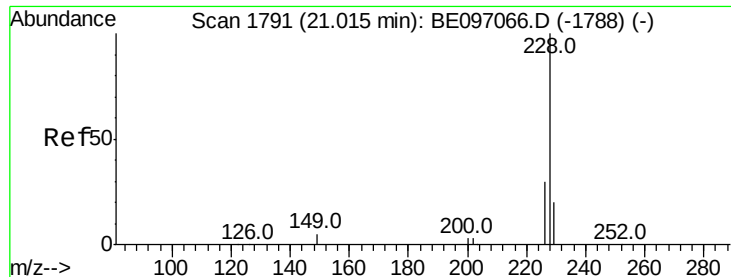
Tot Ion:244 Resp: 6683
 Ion Ratio Lower Upper
 244 100
 212 33.4 25.4 38.0
 122 10.1 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.369 ng
 RT: 20.96 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097070.D
 Acq: 24 Jul 2018 13:26

Tgt Ion:228 Resp: 7806
 Ion Ratio Lower Upper
 228 100
 226 28.3 24.0 36.0
 229 19.4 16.0 24.0





#31

Chrysene

Concen: 0.415 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

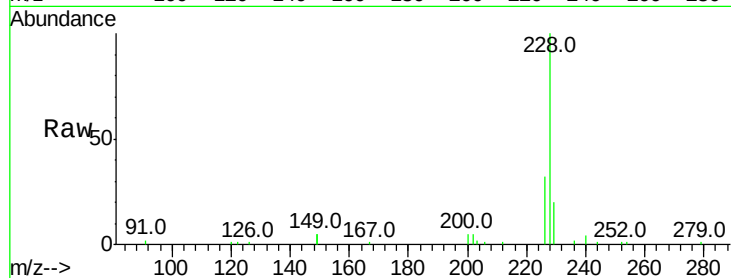
Tot Ion:228 Resp: 9406

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

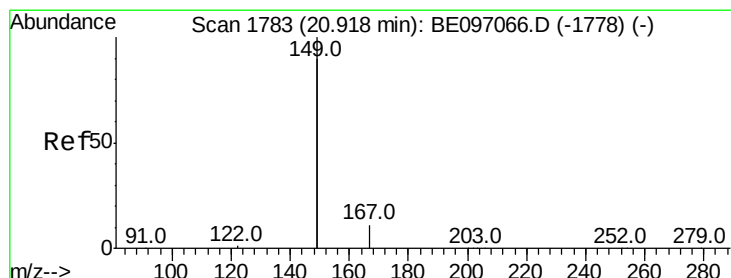
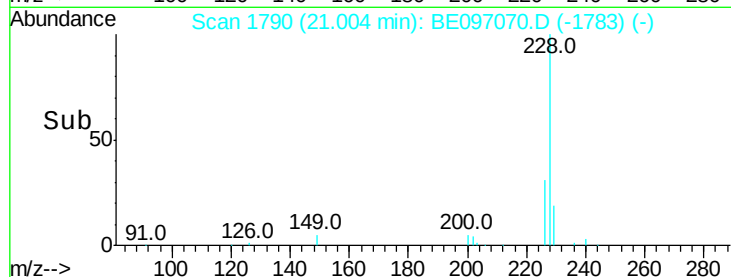
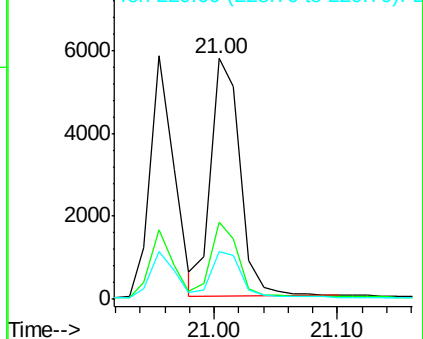
229 19.6 16.0 24.0



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: 0.365 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

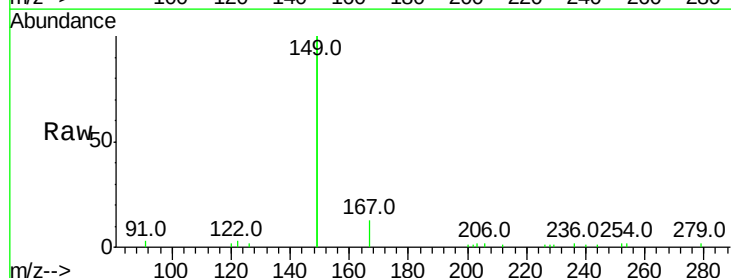
Tgt Ion:149 Resp: 8106

Ion Ratio Lower Upper

149 100

167 6.2 5.4 8.0

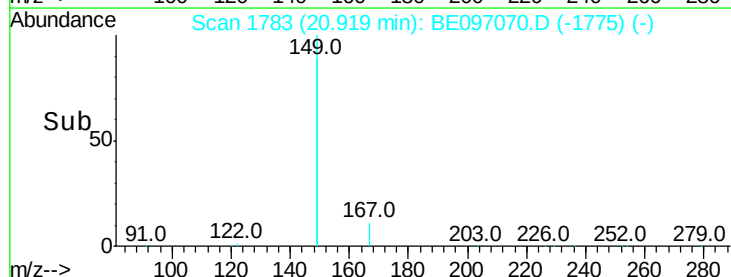
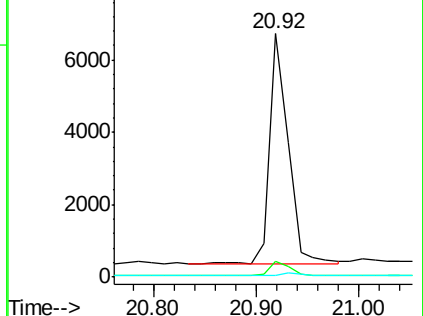
279 0.9 0.7 1.1

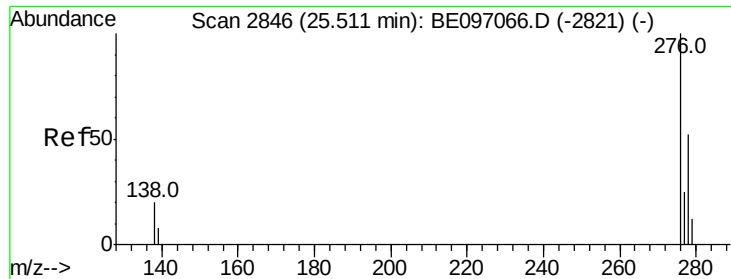


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.382 ng

RT: 25.51 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

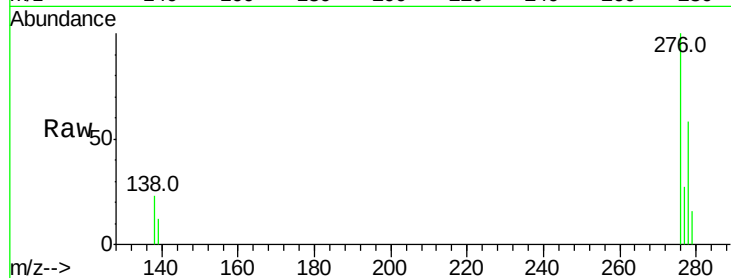
Tot Ion:276 Resp: 7838

Ion Ratio Lower Upper

276 100

138 20.9 22.5 33.7#

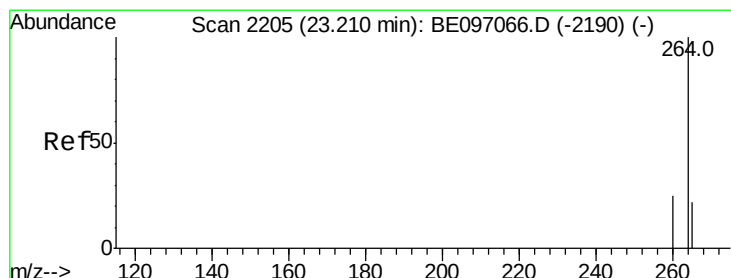
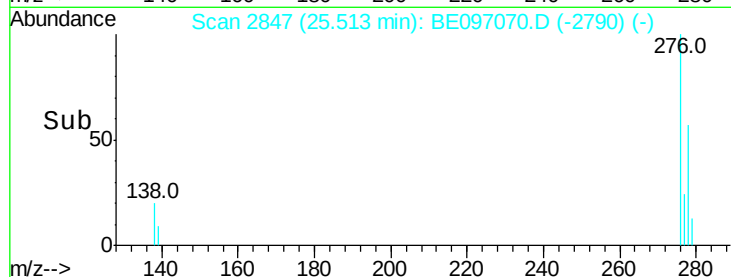
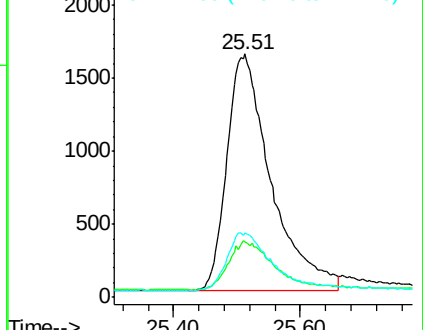
277 9.2 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

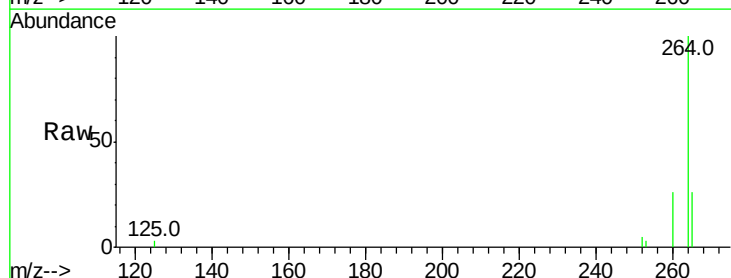
Tgt Ion:264 Resp: 7601

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

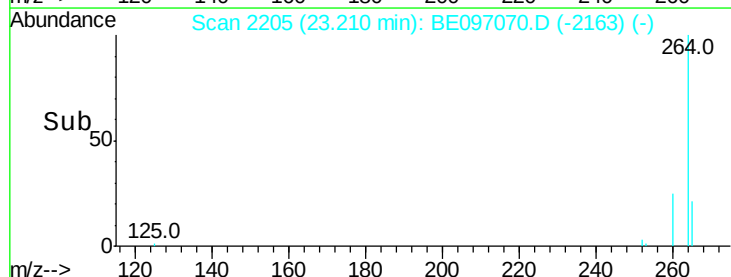
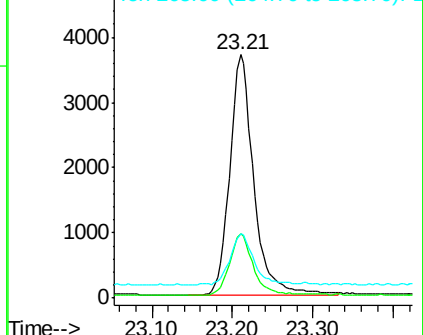
265 26.5 22.8 34.2

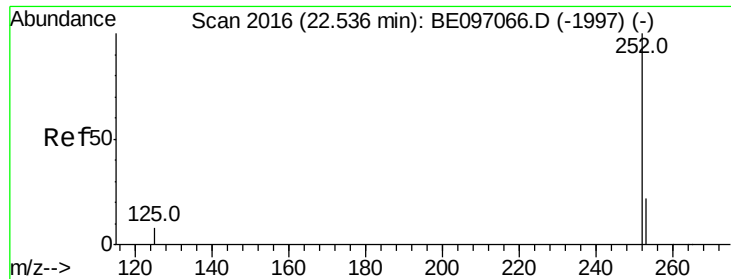


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.366 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

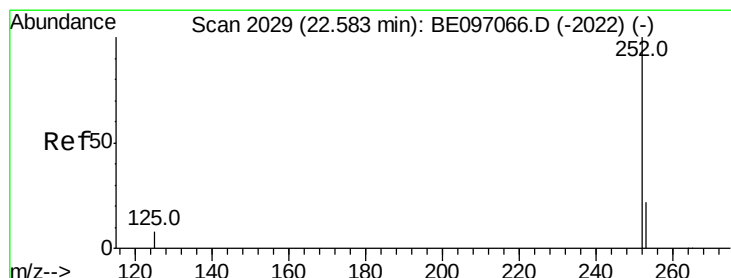
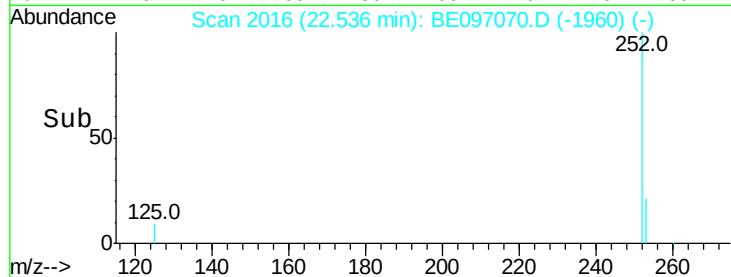
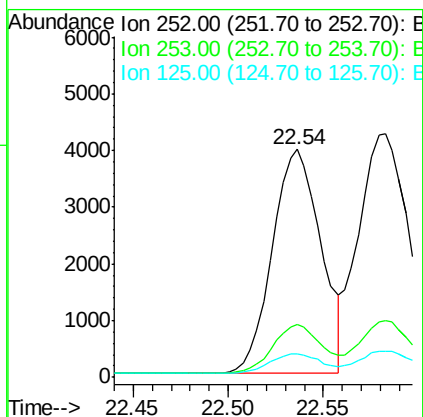
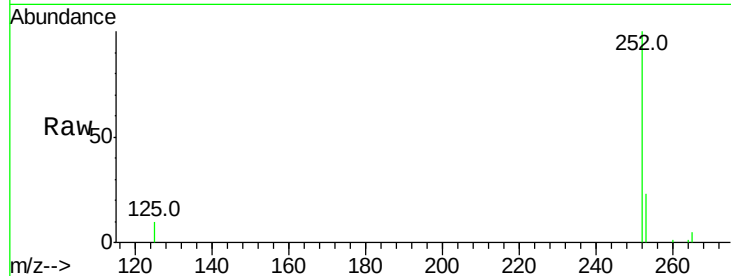
Tot Ion:252 Resp: 7052

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

125 10.5 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.385 ng

RT: 22.58 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

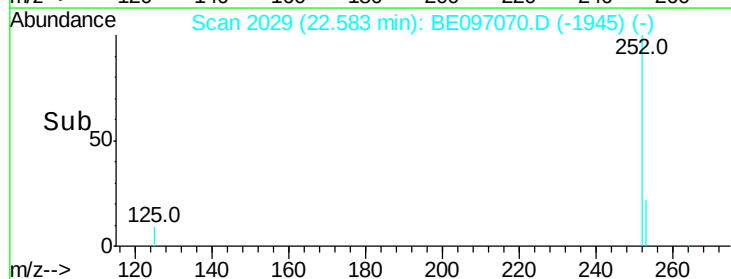
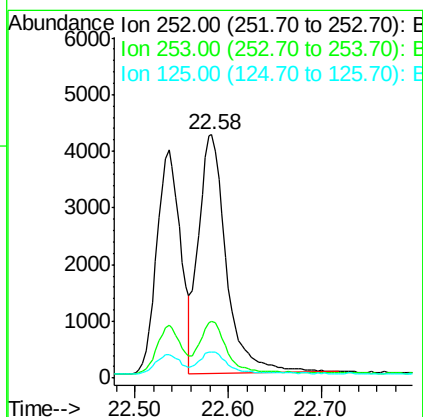
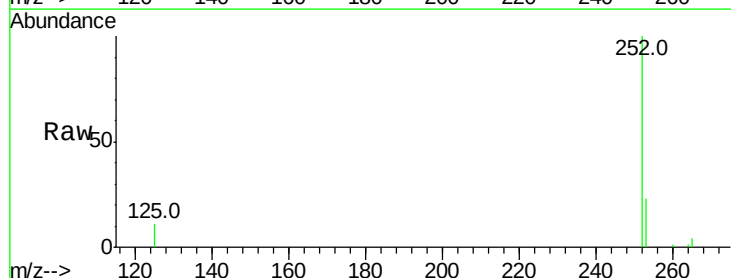
Tgt Ion:252 Resp: 8674

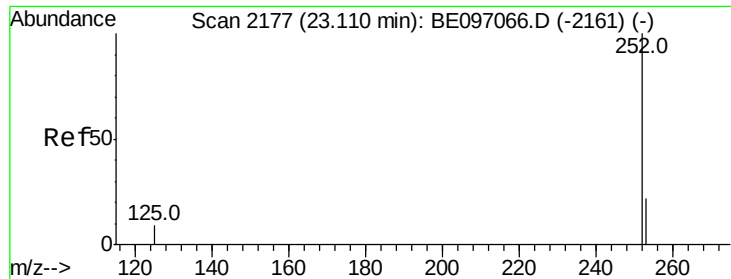
Ion Ratio Lower Upper

252 100

253 23.4 16.0 24.0

125 10.8 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.11 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418

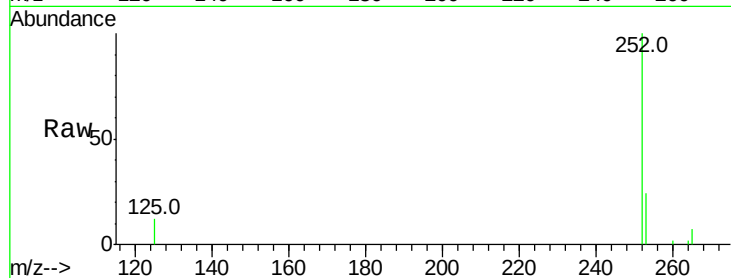
Tot Ion:252 Resp: 6621

Ion Ratio Lower Upper

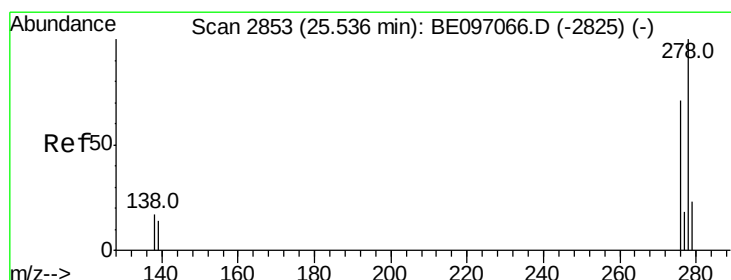
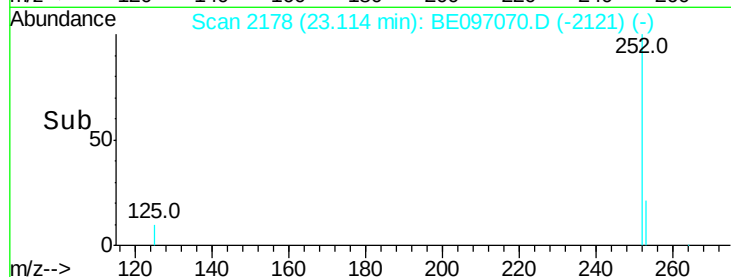
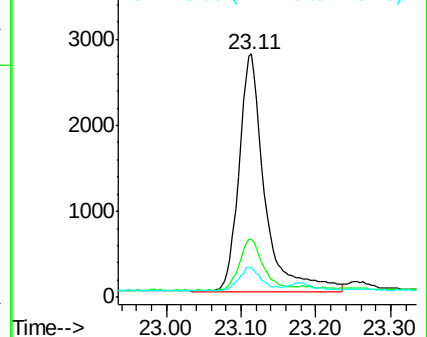
252 100

253 23.8 16.0 24.0

125 12.1 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: 0.366 ng

RT: 25.53 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE097070.D

Acq: 24 Jul 2018 13:26

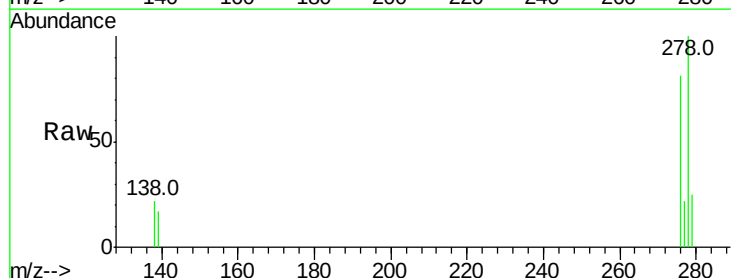
Tgt Ion:278 Resp: 6624

Ion Ratio Lower Upper

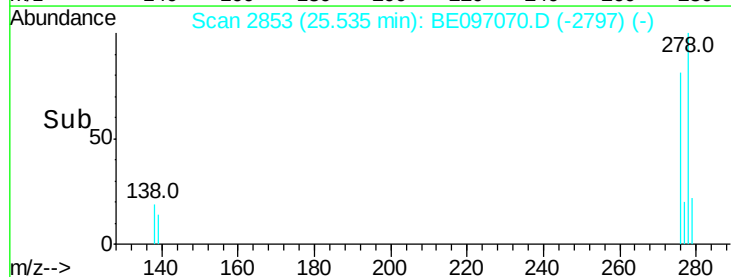
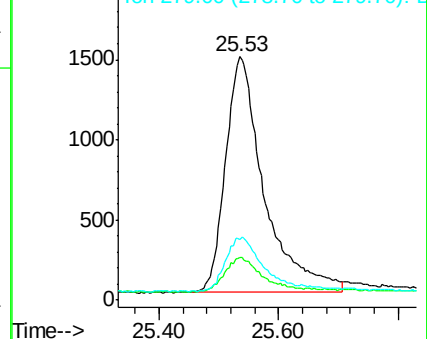
278 100

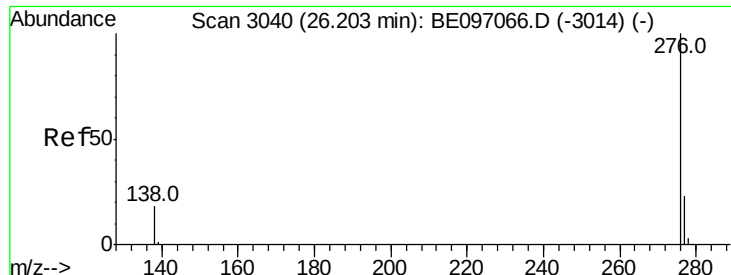
139 17.4 16.0 24.0

279 24.8 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: 0.372 ng

RT: 26.20 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BE097070.D

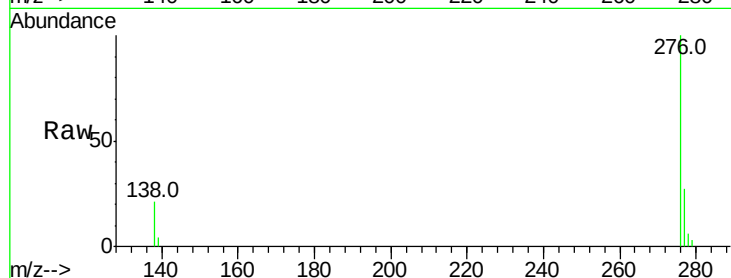
Acq: 24 Jul 2018 13:26

Instrument :

BNA_E

ClientSampleId :

ICVBE072418



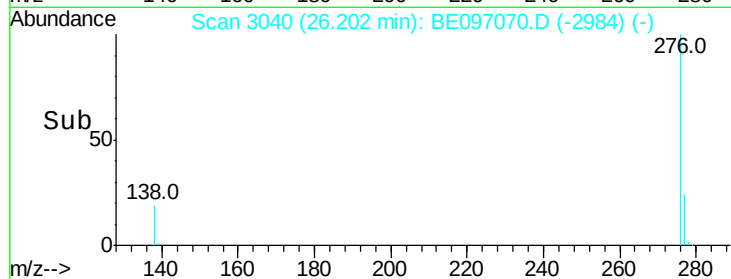
Tot Ion:276 Resp: 7159

Ion Ratio Lower Upper

276 100

277 26.6 16.0 24.0#

138 21.3 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

