

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097099.D
 Acq On : 25 Jul 2018 8:50
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDC00.4EC

Quant Time: Jul 25 09:28:51 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	1271	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6130	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3756	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	10331	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9668	0.40	ng	0.00
34) Perylene-d12	23.21	264	8558	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1388	0.39	ng	0.00
5) Phenol-d6	6.60	99	1996	0.38	ng	0.00
8) Nitrobenzene-d5	8.52	82	2135	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3595	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	454	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5297	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	41719	0.40	ng	0.00
29) Terphenyl-d14	19.43	244	7622	0.41	ng	0.00

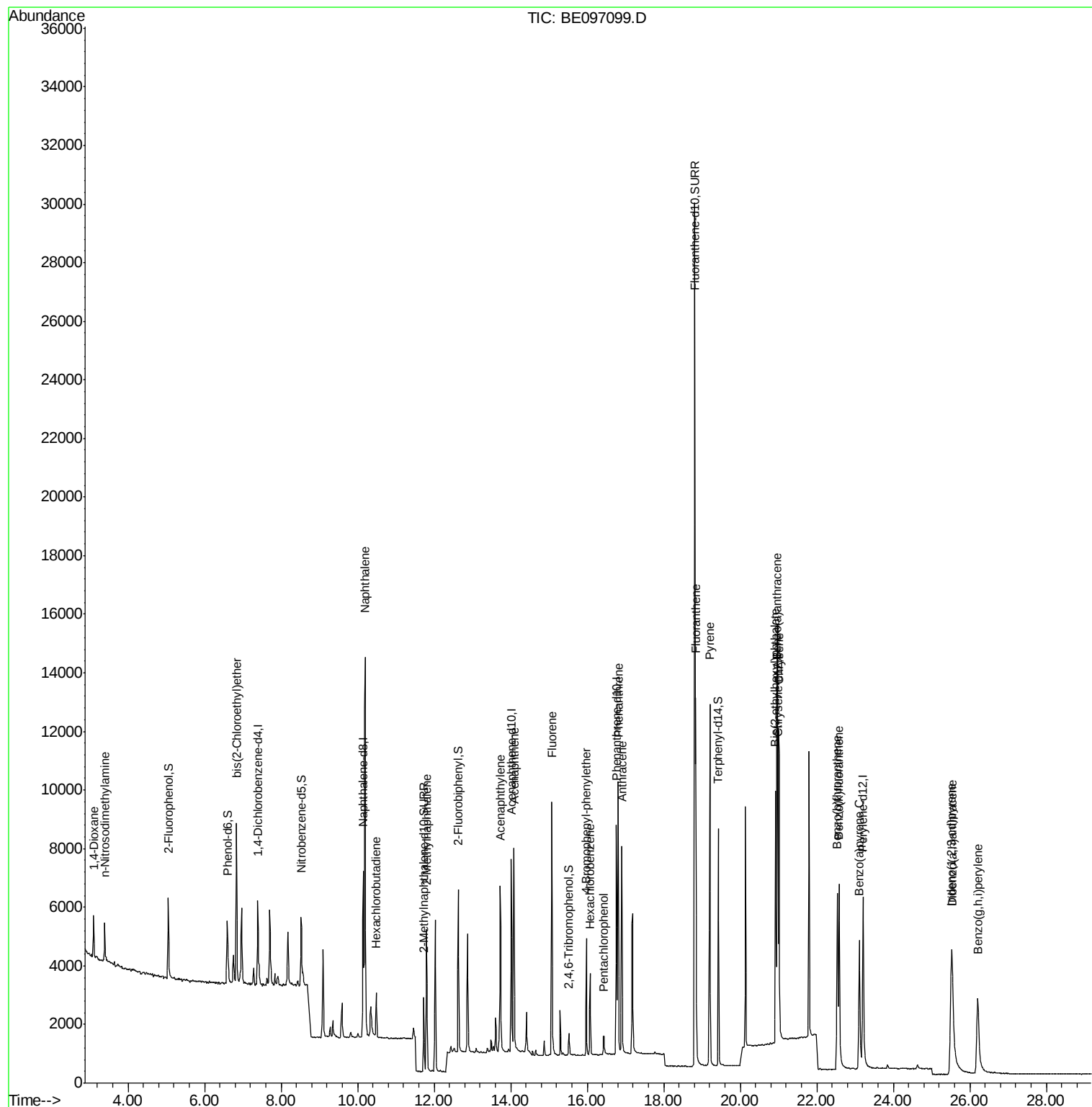
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	816	0.404	ng	# 91
3) n-Nitrosodimethylamine	3.38	42	902	0.399	ng	# 90
6) bis(2-Chloroethyl)ether	6.84	93	1981	0.414	ng	87
9) Naphthalene	10.20	128	22279	0.405	ng	100
10) Hexachlorobutadiene	10.48	225	1052	0.427	ng	95
12) 2-Methylnaphthalene	11.80	142	3730	0.395	ng	99
16) Acenaphthylene	13.73	152	6894	0.409	ng	100
17) Acenaphthene	14.08	154	4003	0.408	ng	# 94
18) Fluorene	15.07	166	5329	0.411	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	1974	0.393	ng	85
21) Hexachlorobenzene	16.08	284	2231	0.414	ng	# 83
22) Pentachlorophenol	16.44	266	480	0.386	ng	# 77
23) Phenanthrene	16.81	178	9889	0.402	ng	98
24) Anthracene	16.90	178	8722	0.396	ng	96
26) Fluoranthene	18.84	202	11293	0.409	ng	99
28) Pyrene	19.20	202	11126	0.419	ng	99
30) Benzo(a)anthracene	20.95	228	9395	0.391	ng	98
31) Chrysene	21.00	228	10985	0.426	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	10100	0.398	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	9208	0.394	ng	# 92
35) Benzo(b)fluoranthene	22.54	252	8176	0.377	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	10095	0.398	ng	95
37) Benzo(a)pyrene	23.11	252	7747	0.379	ng	93
38) Dibenzo(a,h)anthracene	25.54	278	7612	0.373	ng	97
39) Benzo(g,h,i)perylene	26.21	276	8036	0.371	ng	# 91

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097099.D
Acq On : 25 Jul 2018 8:50
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jul 25 09:28:51 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

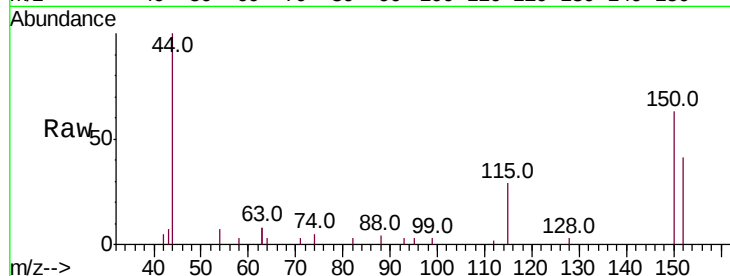
Tot Ion:152 Resp: 1271

Ion Ratio Lower Upper

152 100

150 153.4 117.2 175.8

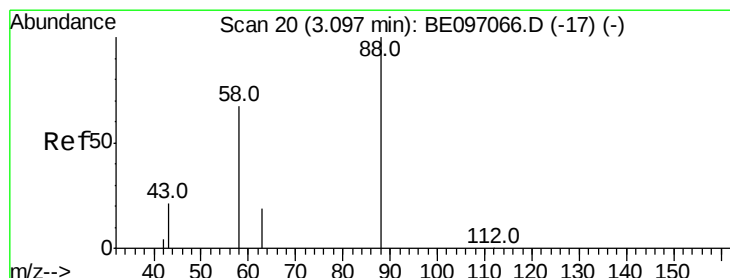
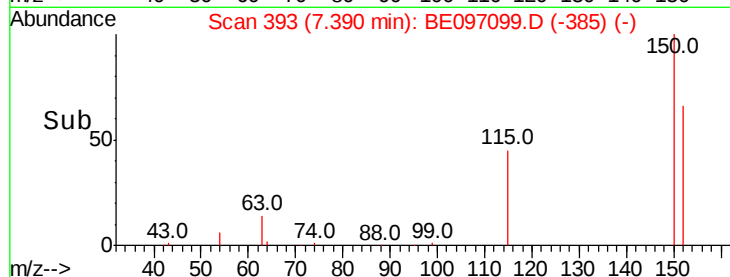
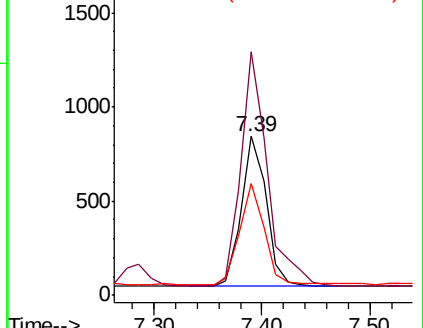
115 70.6 57.0 85.6



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: 0.404 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

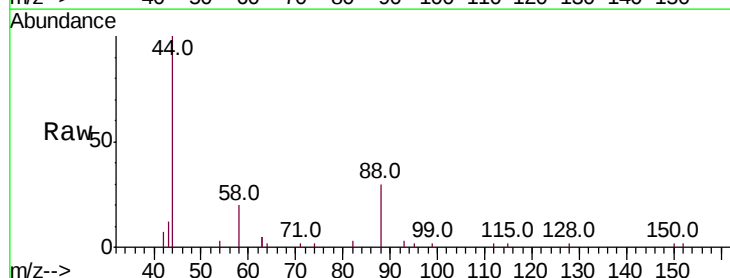
Tgt Ion: 88 Resp: 816

Ion Ratio Lower Upper

88 100

58 81.9 63.2 94.8

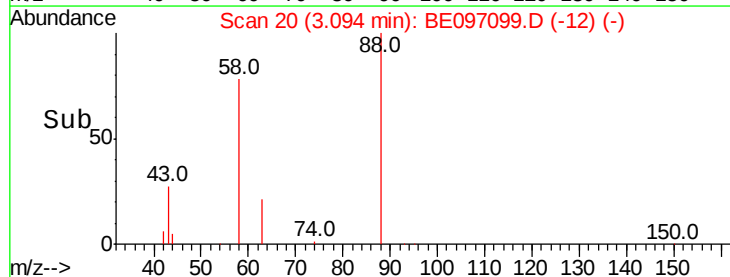
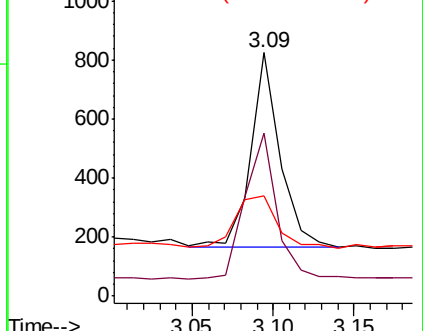
43 38.8 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.399 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

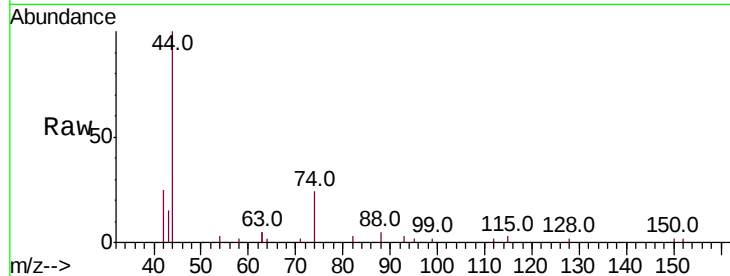
Tot Ion: 42 Resp: 902

Ion Ratio Lower Upper

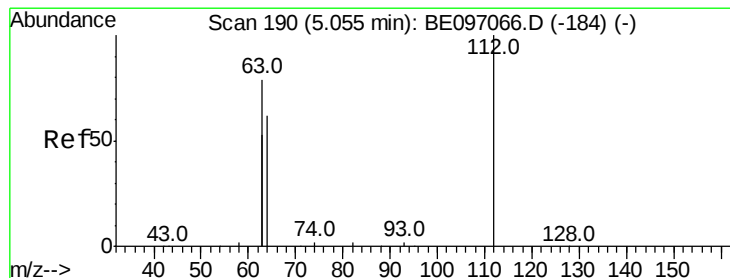
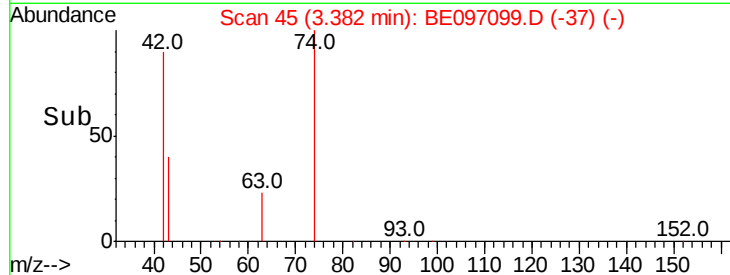
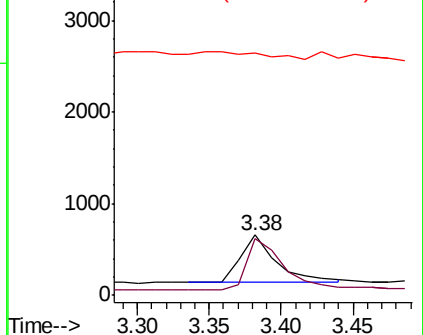
42 100

74 112.4 96.0 144.0

44 0.0 12.0 18.0#



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



#4

2-Fluorophenol

Concen: 0.389 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

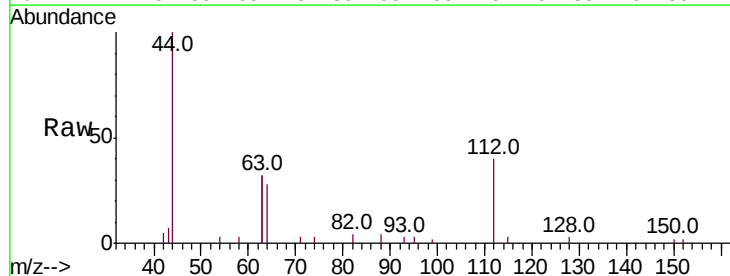
Tgt Ion: 112 Resp: 1388

Ion Ratio Lower Upper

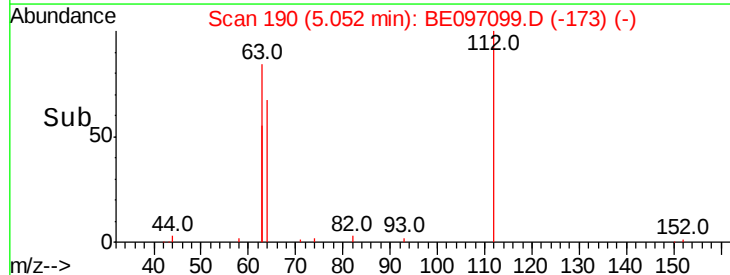
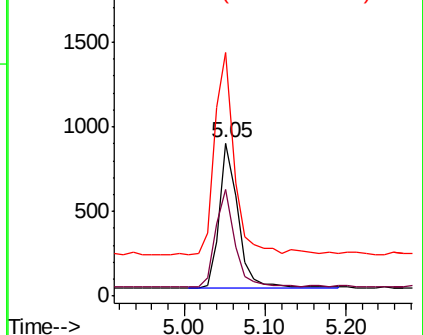
112 100

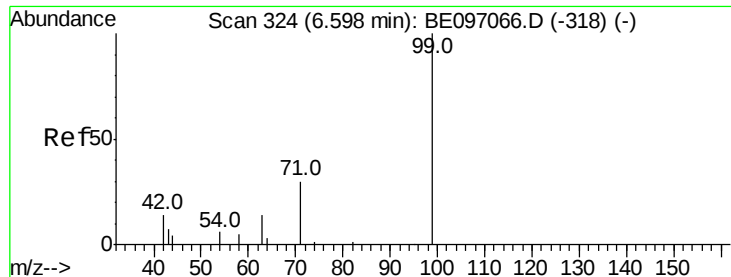
64 70.0 60.1 90.1

63 143.3 116.8 175.2



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





#5

Phenol-d6

Concen: 0.381 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

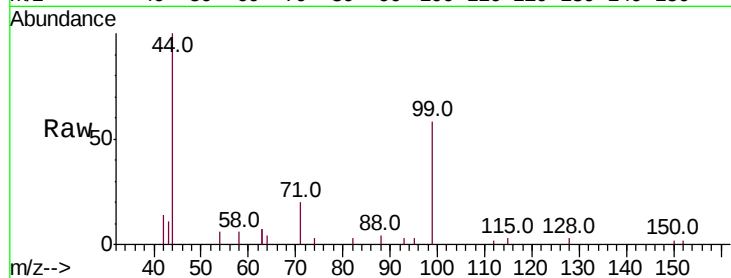
Tot Ion: 99 Resp: 1996

Ion Ratio Lower Upper

99 100

42 26.4 20.2 30.2

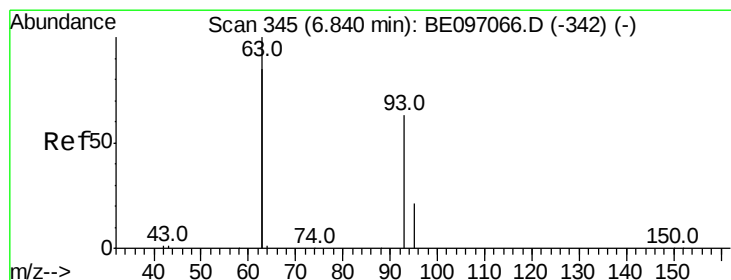
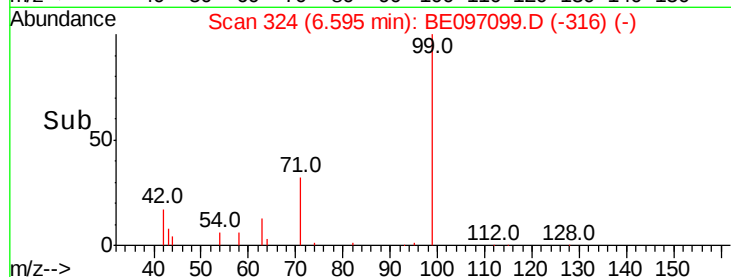
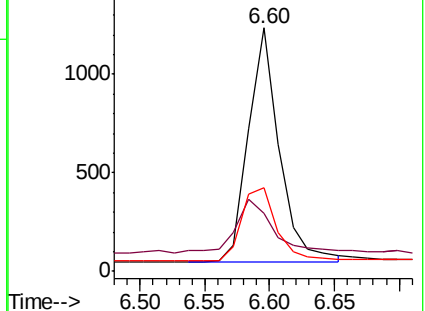
71 35.3 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.414 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

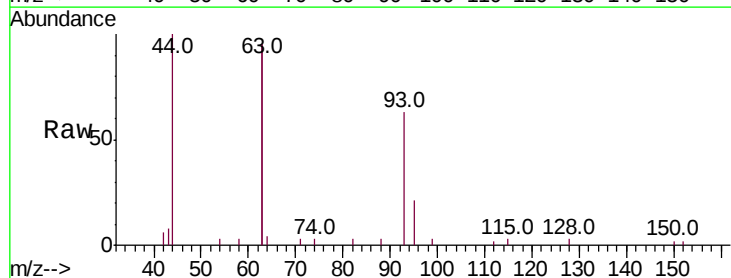
Tgt Ion: 93 Resp: 1981

Ion Ratio Lower Upper

93 100

63 313.3 275.3 412.9

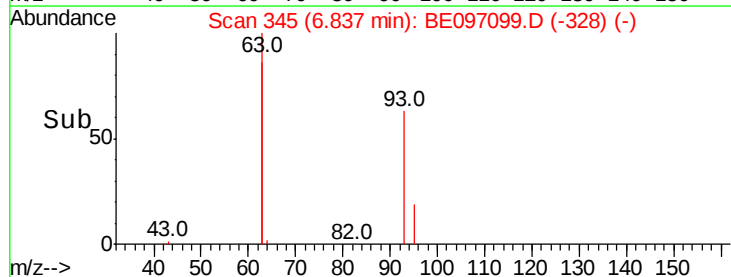
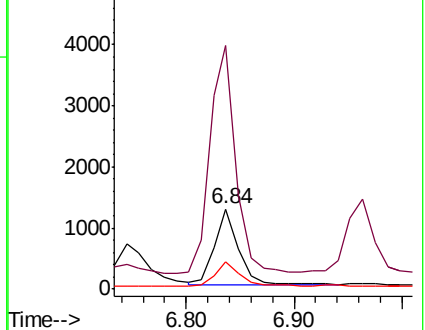
95 31.1 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 6130

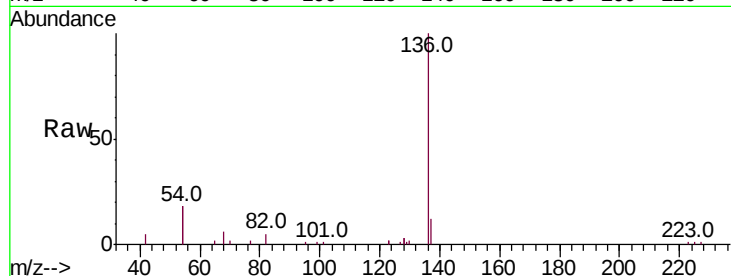
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 35.2 29.1 43.7

68 6.3 6.2 9.2

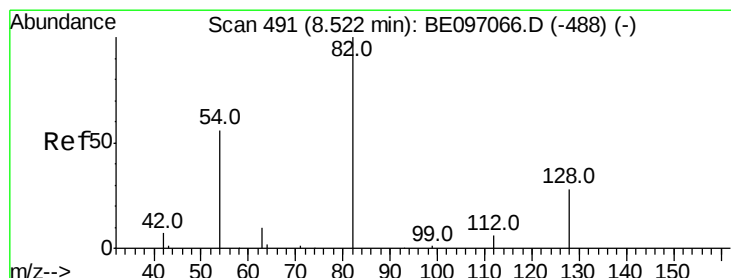
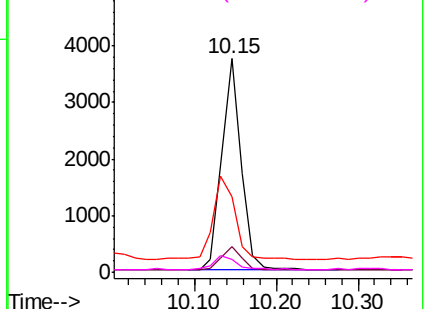
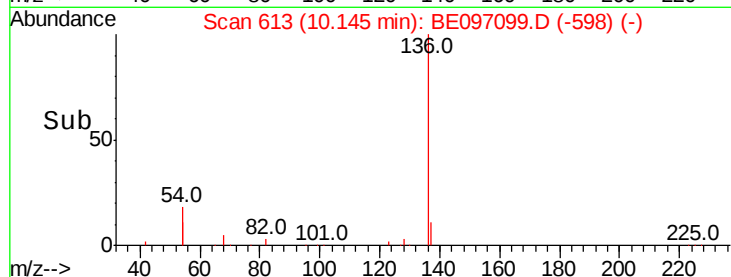


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

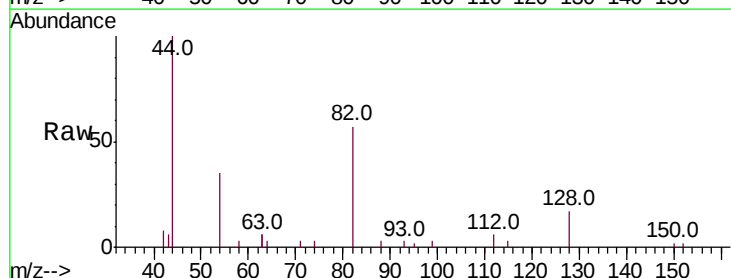
Tgt Ion: 82 Resp: 2135

Ion Ratio Lower Upper

82 100

128 28.9 24.0 36.0

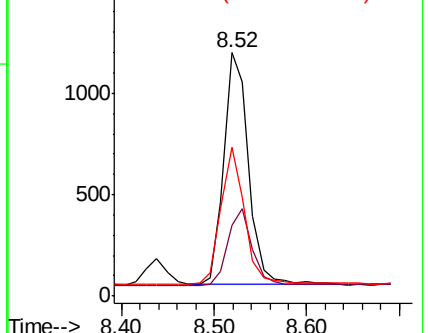
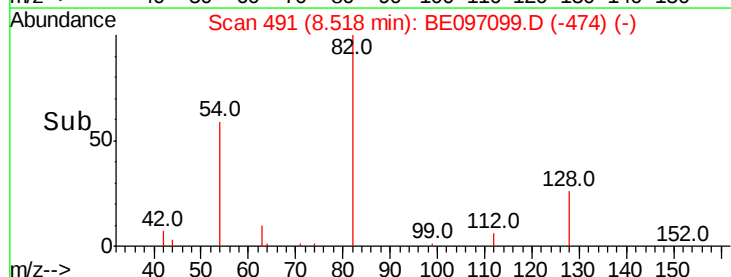
54 61.2 40.0 60.0#



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: 0.405 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

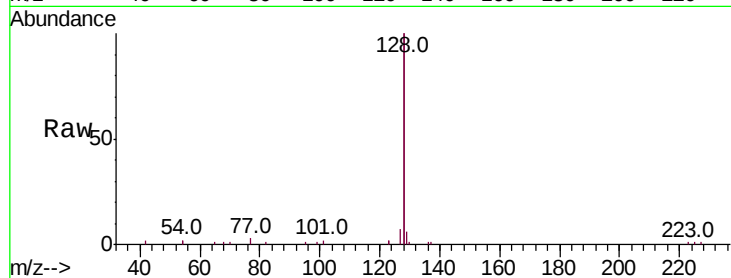
Tot Ion:128 Resp: 22279

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

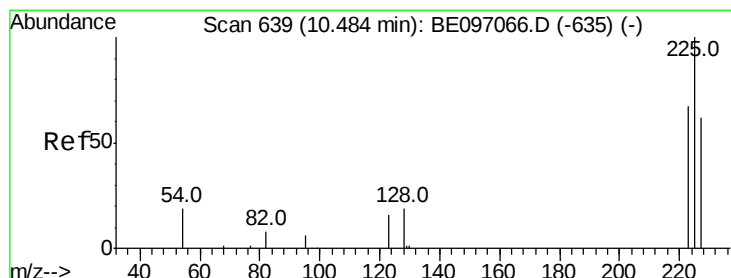
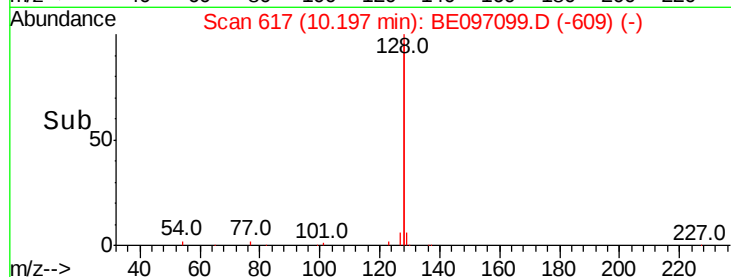
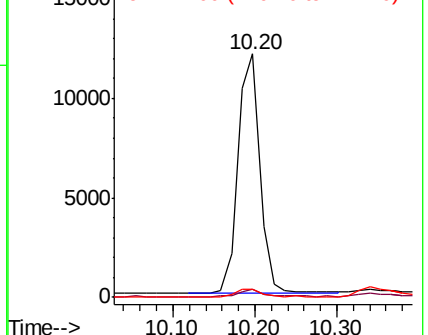
127 3.4 2.8 4.2



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: 0.427 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

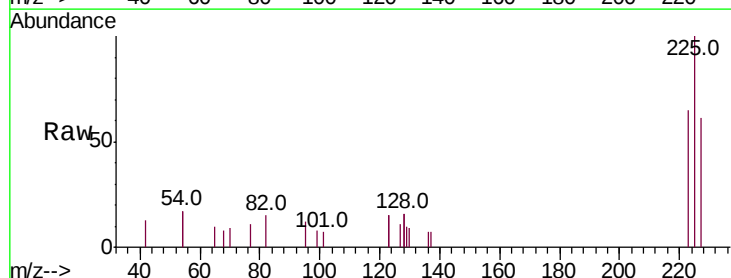
Tgt Ion:225 Resp: 1052

Ion Ratio Lower Upper

225 100

223 61.0 53.0 79.6

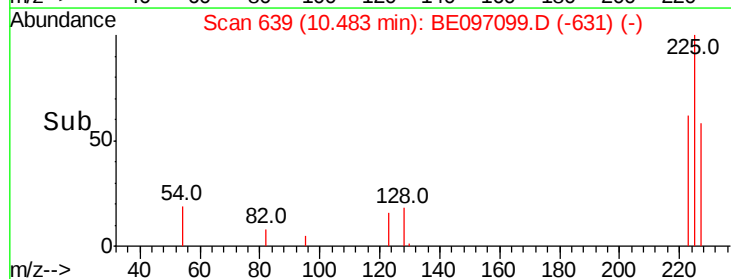
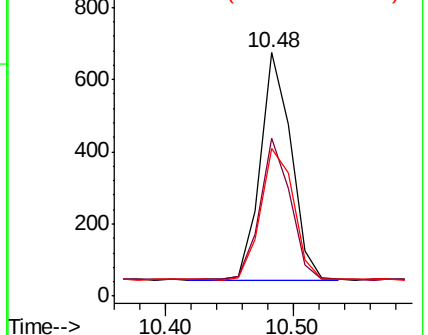
227 61.6 51.4 77.2



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: 0.392 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

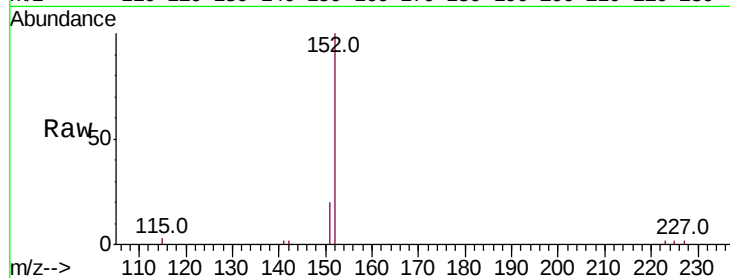
SSTDCCC0.4EC

Tot Ion:152 Resp: 3595

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

1500

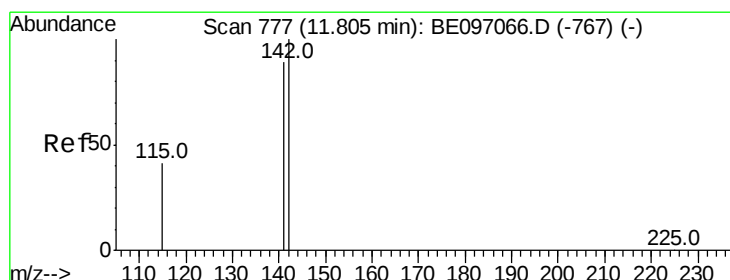
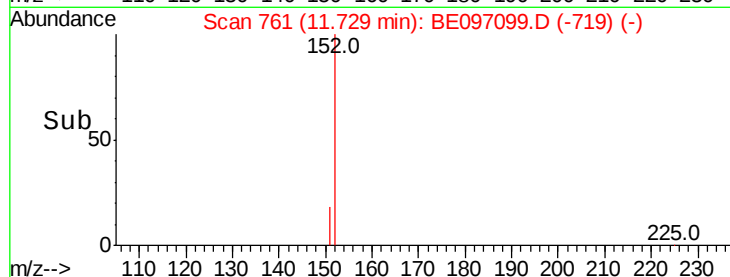
1000

500

0

11.60 11.70 11.80 11.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.395 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

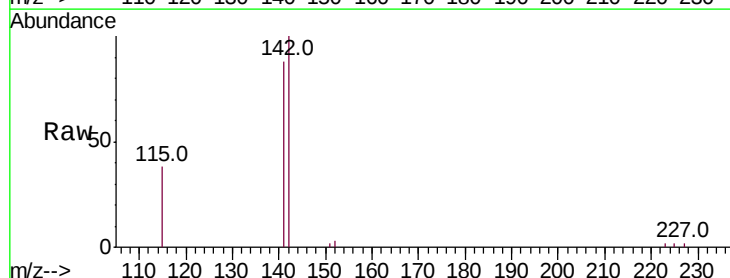
Tgt Ion:142 Resp: 3730

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6

115 37.7 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

3000

2500

2000

1500

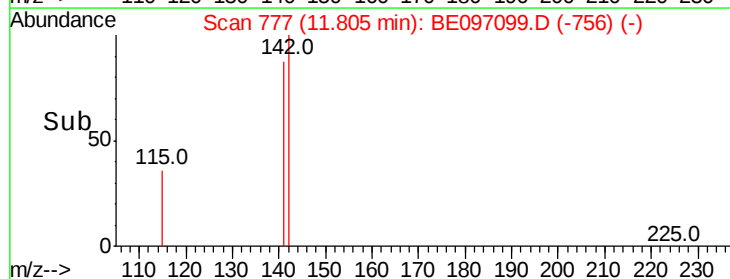
1000

500

0

11.70 11.80 11.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

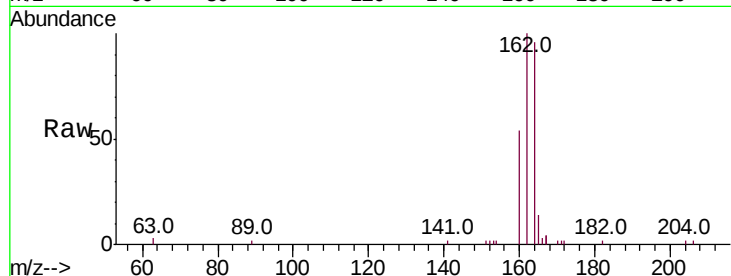
Tot Ion:164 Resp: 3756

Ion Ratio Lower Upper

164 100

162 103.8 83.1 124.7

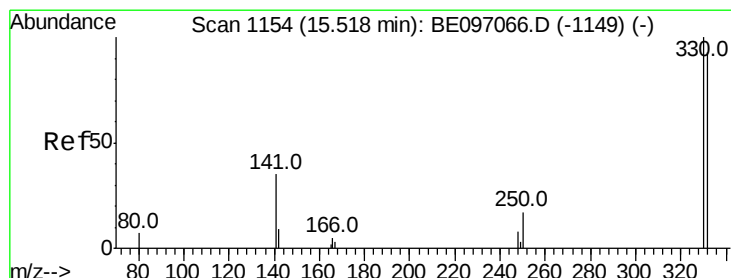
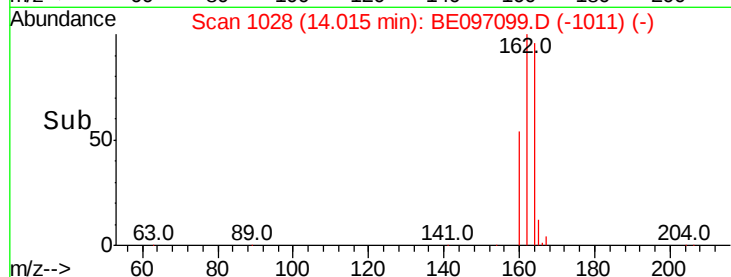
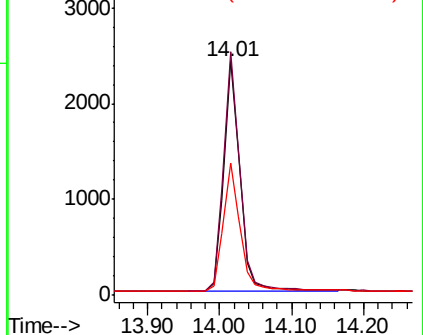
160 56.5 37.1 55.7#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.367 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

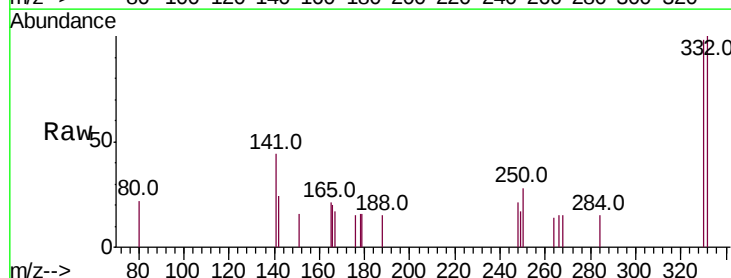
Tgt Ion:330 Resp: 454

Ion Ratio Lower Upper

330 100

332 104.6 152.7 229.1#

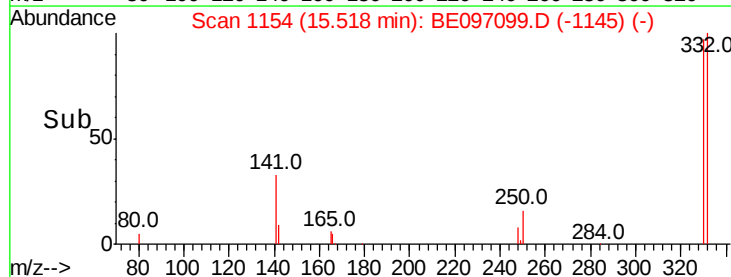
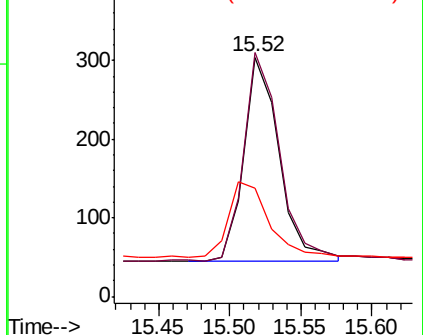
141 41.4 33.7 50.5

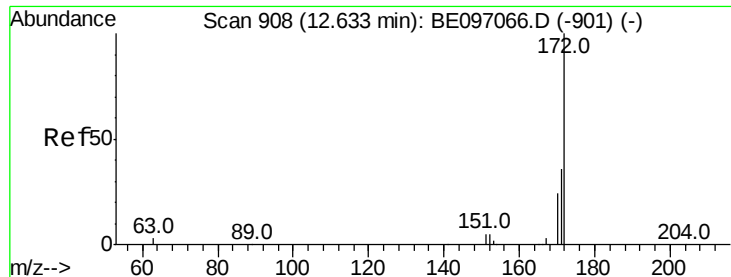


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

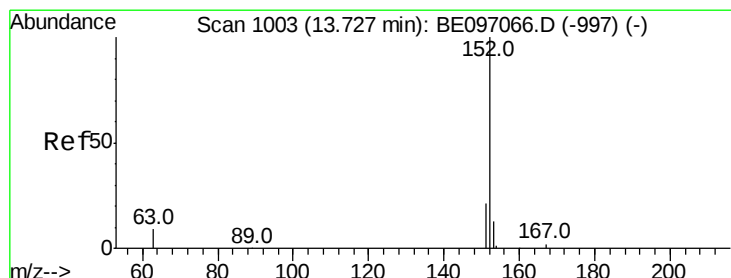
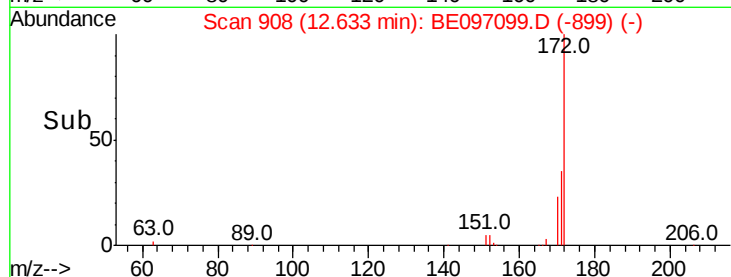
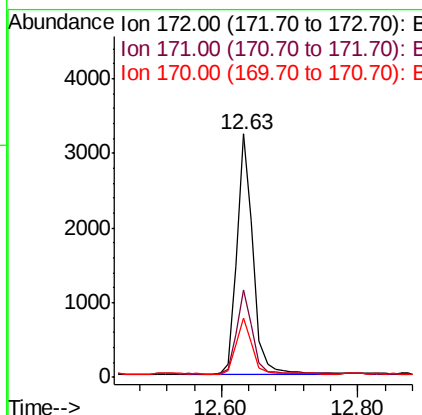
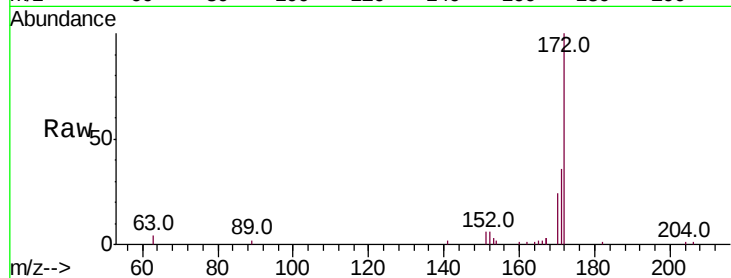




#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097099.D
Acq: 25 Jul 2018 8:50

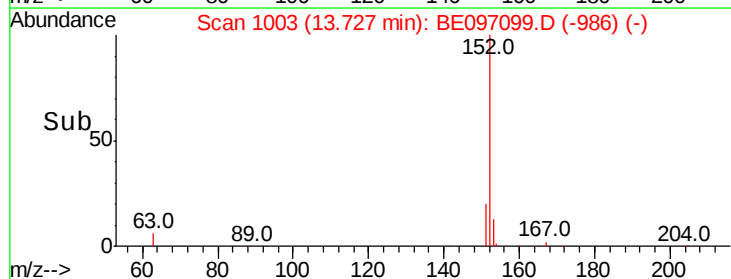
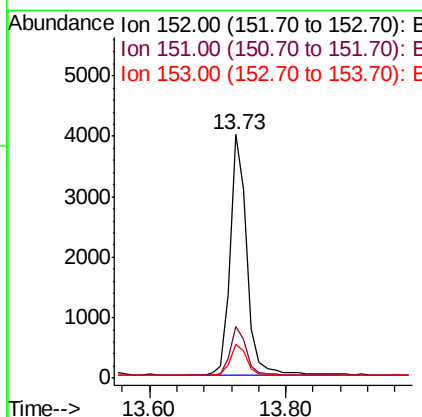
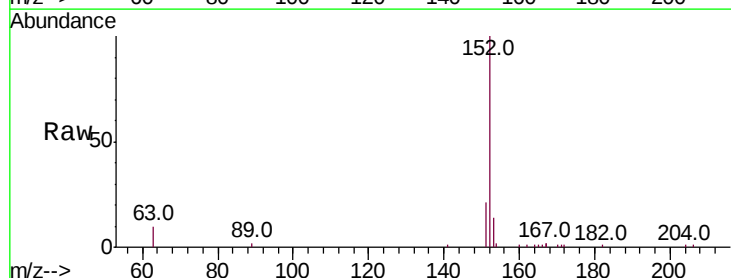
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:172 Resp: 5297
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 24.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.409 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097099.D
Acq: 25 Jul 2018 8:50

Tgt Ion:152 Resp: 6894
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.9 10.5 15.7

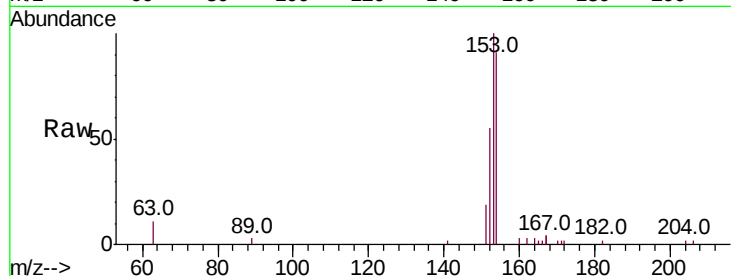




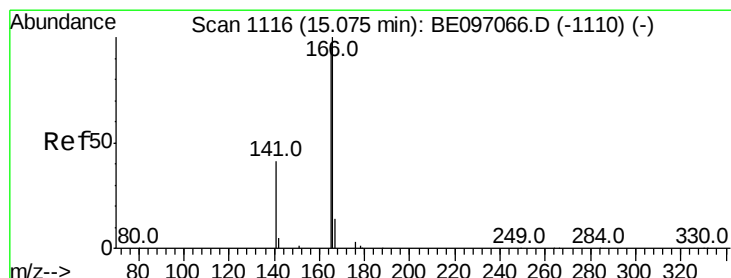
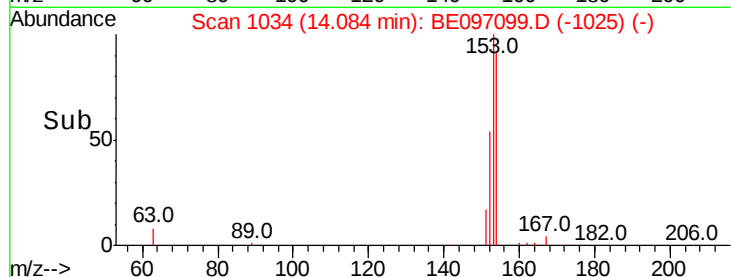
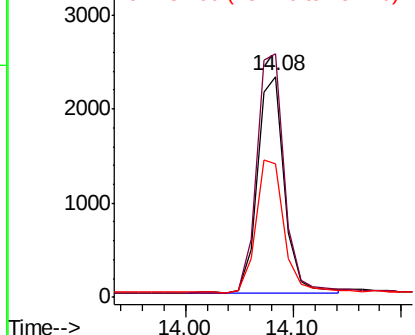
#17
Acenaphthene
Concen: 0.408 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097099.D
Acq: 25 Jul 2018 8:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:154 Resp: 4003
Ion Ratio Lower Upper
154 100
153 113.4 89.2 133.8
152 63.7 42.0 63.0#

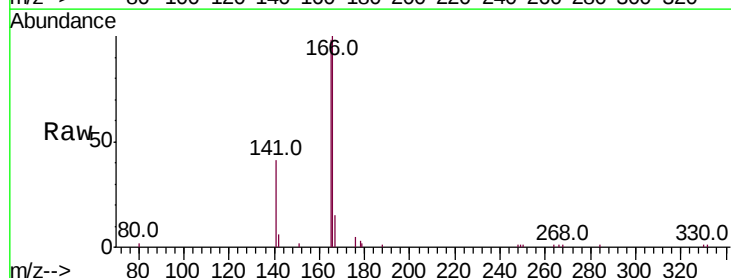


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

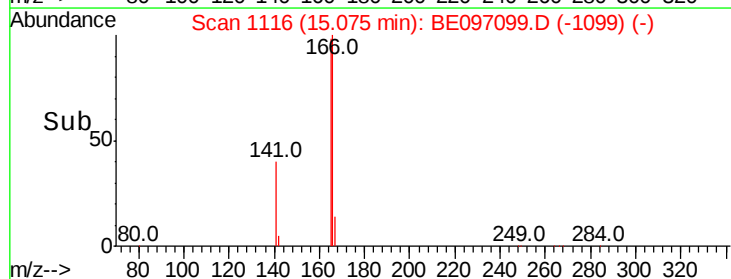
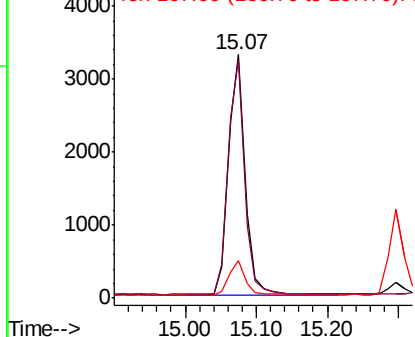


#18
Fluorene
Concen: 0.411 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE097099.D
Acq: 25 Jul 2018 8:50

Tgt Ion:166 Resp: 5329
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.6
167 13.6 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: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

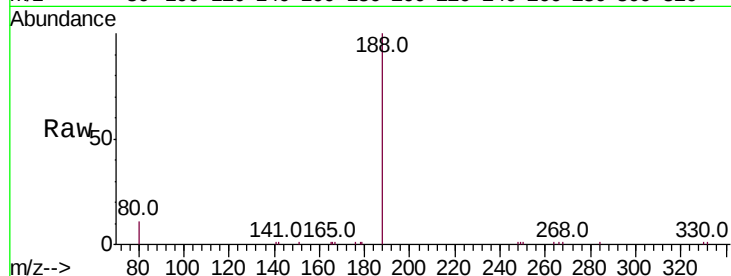
Tot Ion:188 Resp: 10331

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

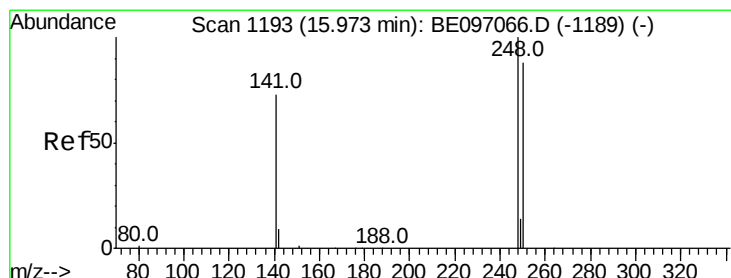
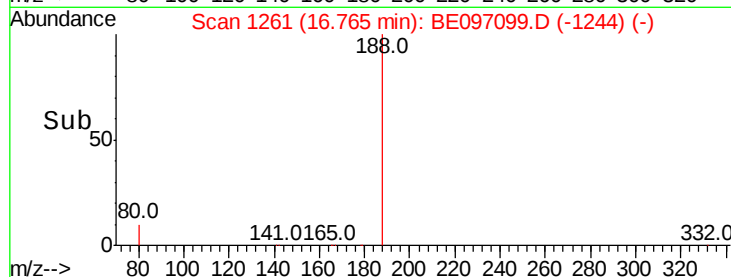
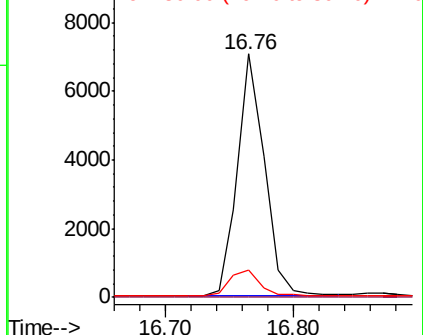
80 11.1 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.393 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

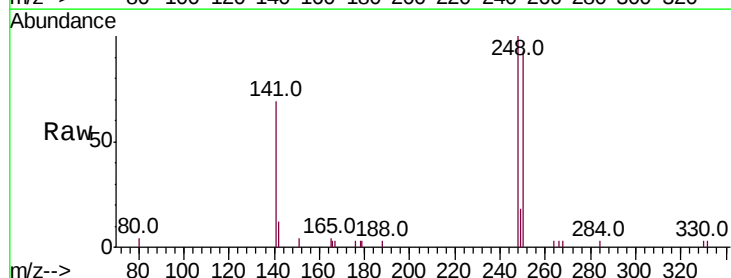
Tgt Ion:248 Resp: 1974

Ion Ratio Lower Upper

248 100

250 93.4 62.7 94.1

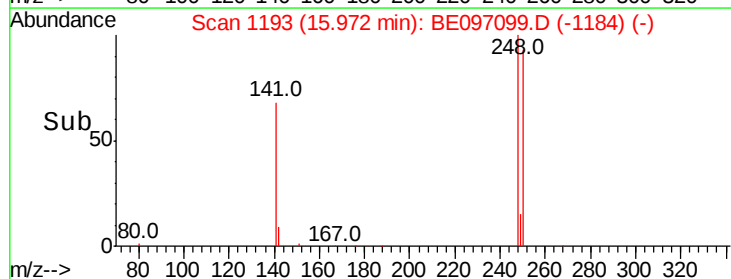
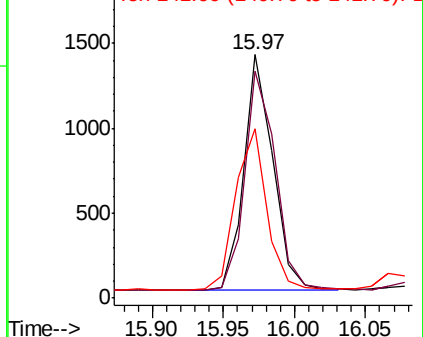
141 69.5 48.2 72.2

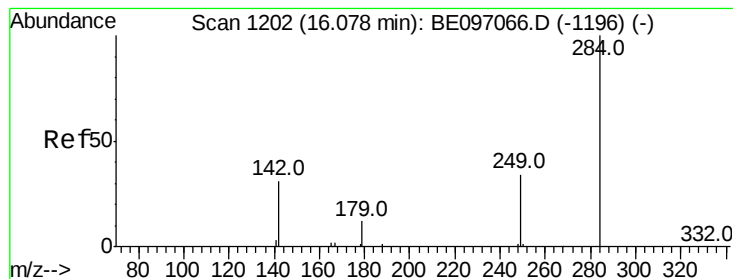


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.414 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

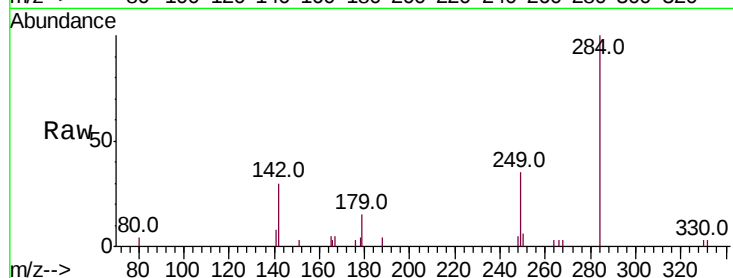
Tot Ion:284 Resp: 2231

Ion Ratio Lower Upper

284 100

142 34.3 22.1 33.1#

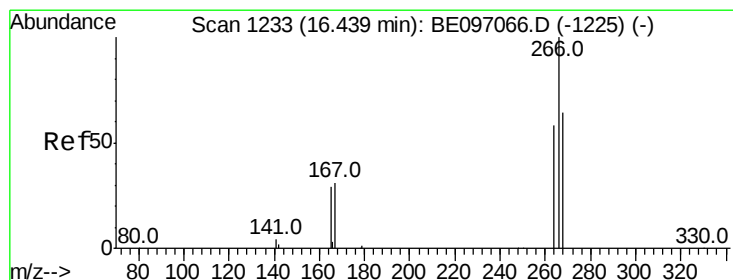
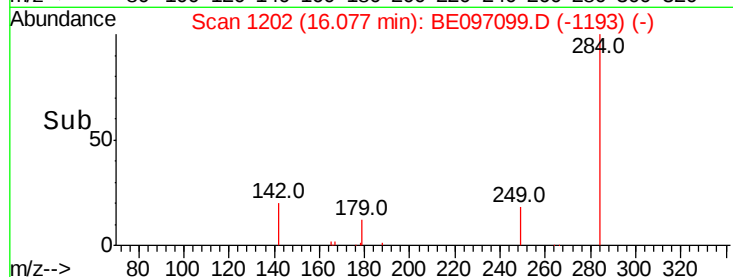
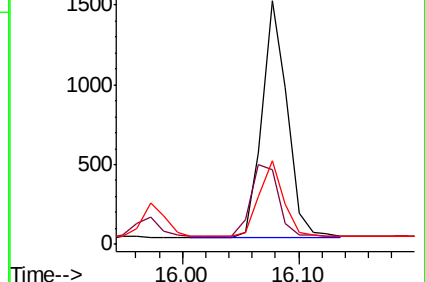
249 31.3 34.8 52.2#



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: 0.386 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

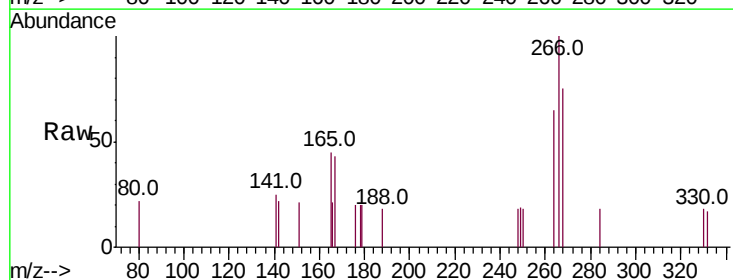
Tgt Ion:266 Resp: 480

Ion Ratio Lower Upper

266 100

264 64.7 72.5 108.7#

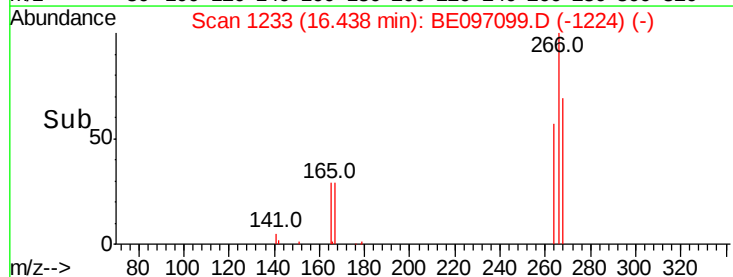
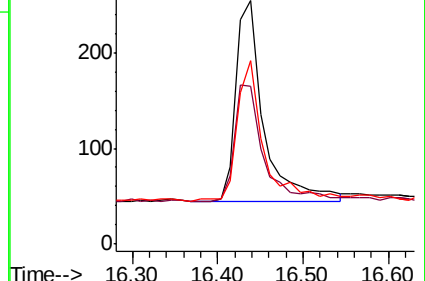
268 75.3 73.8 110.6



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: 0.402 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

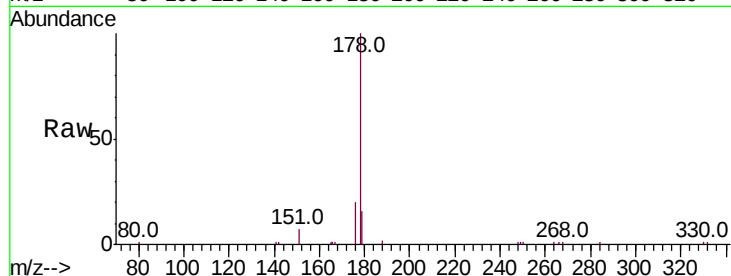
Tot Ion:178 Resp: 9889

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

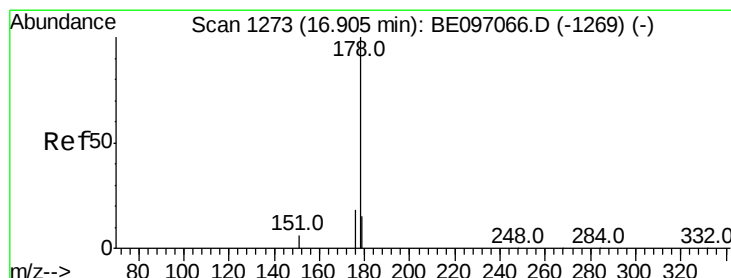
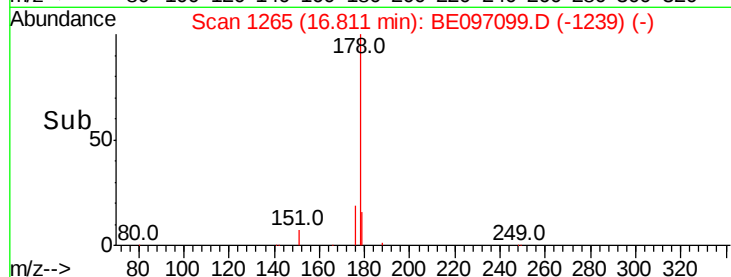
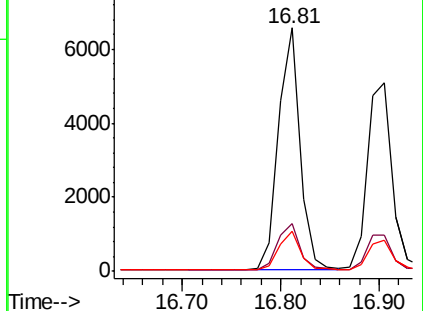
179 15.8 11.8 17.6



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: 0.396 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

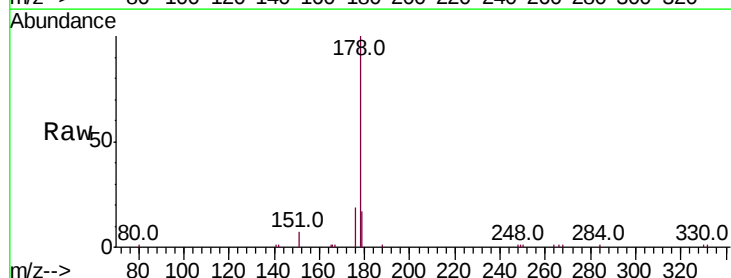
Tgt Ion:178 Resp: 8722

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

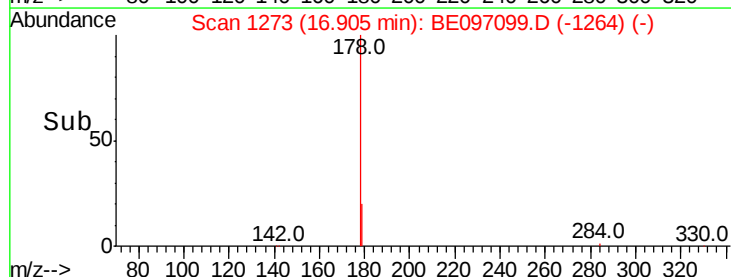
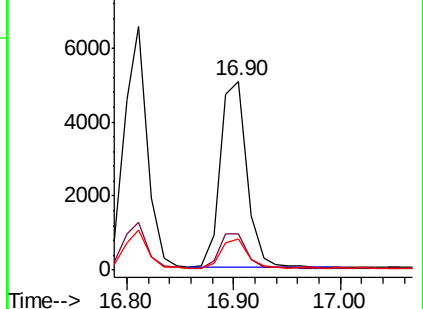
179 15.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.404 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

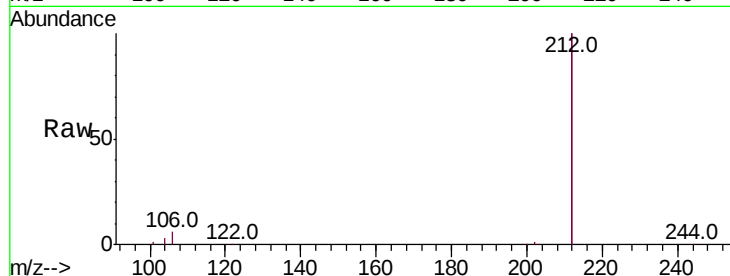
Tot Ion:212 Resp: 41719

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

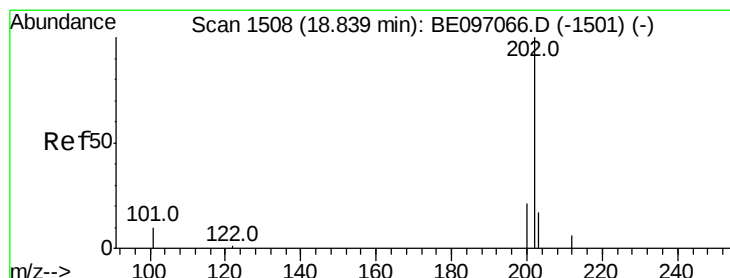
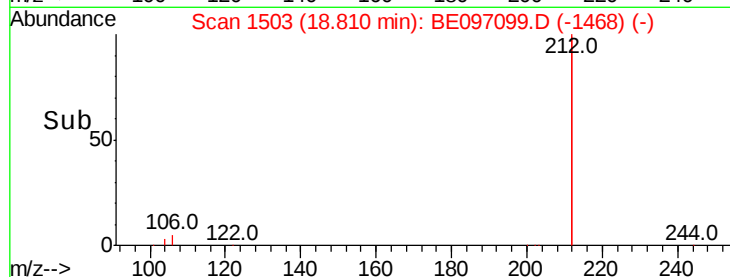
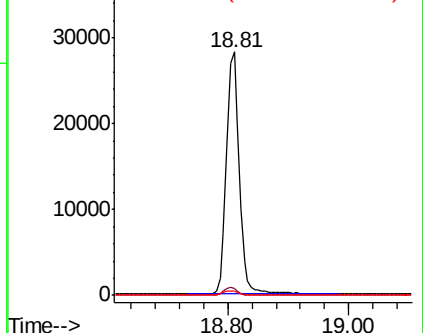
104 1.7 1.6 2.4



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: 0.409 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

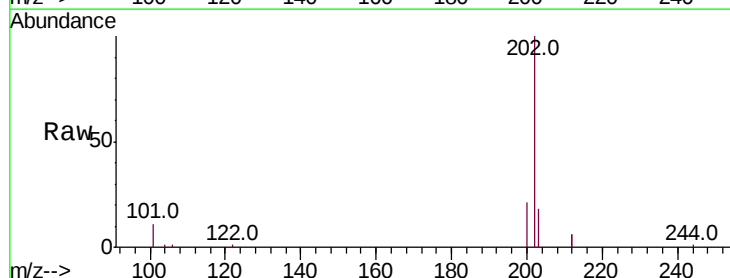
Tgt Ion:202 Resp: 11293

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

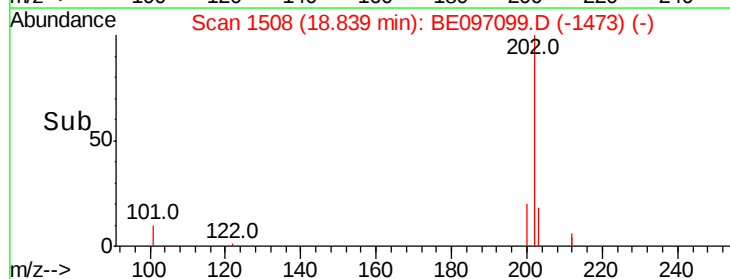
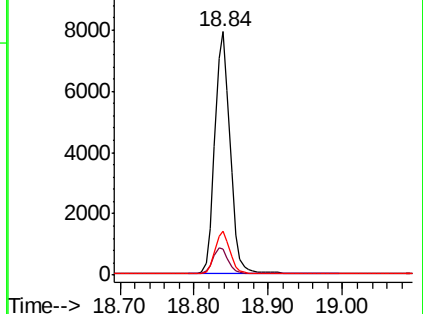
203 17.1 13.7 20.5



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: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

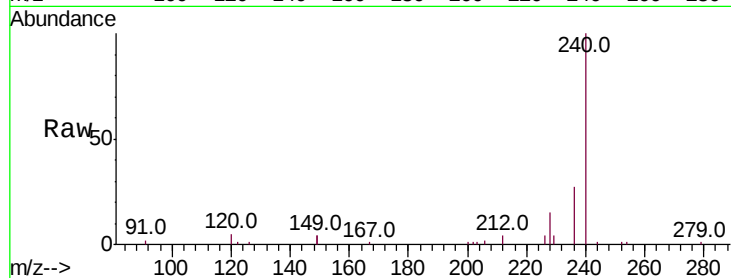
Tot Ion:240 Resp: 9668

Ion Ratio Lower Upper

240 100

120 4.9 5.5 8.3#

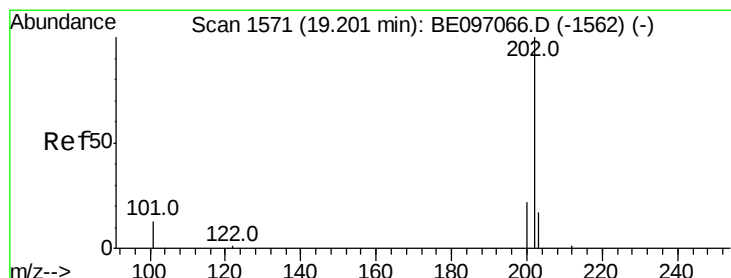
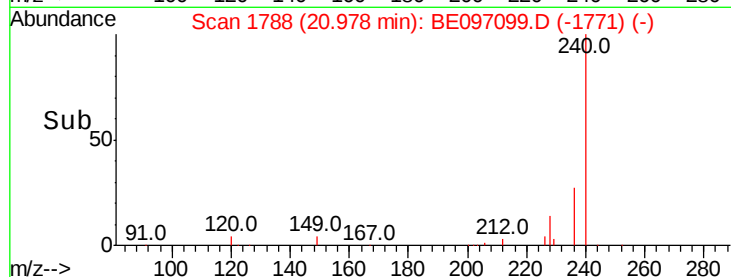
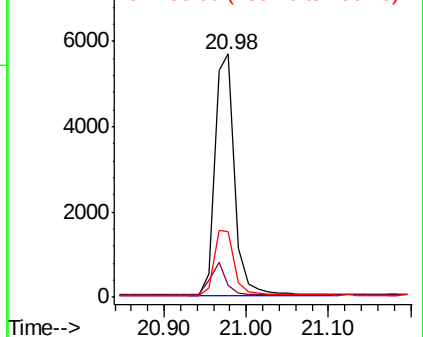
236 27.2 20.7 31.1



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: 0.419 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

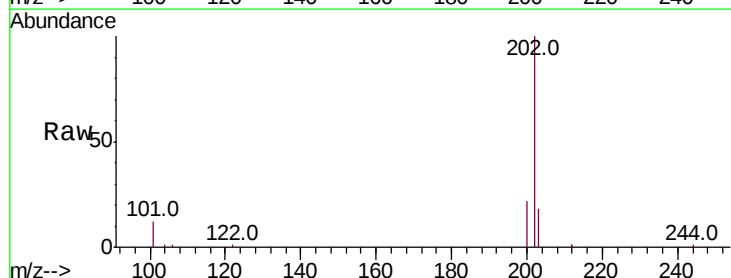
Tgt Ion:202 Resp: 11126

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

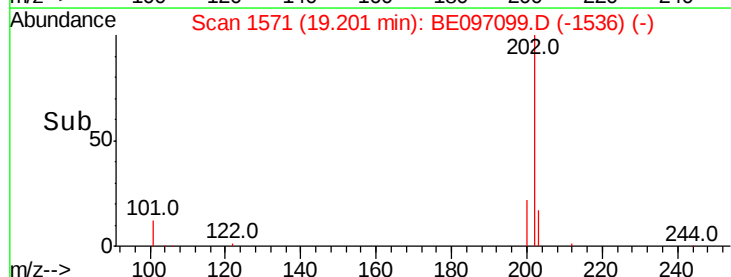
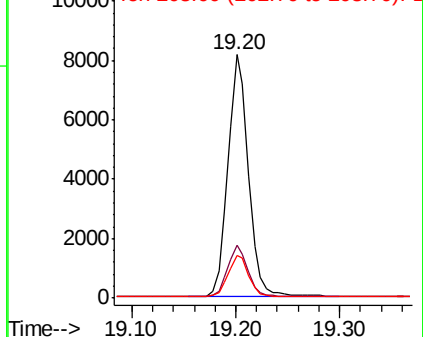
203 17.6 13.8 20.8



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

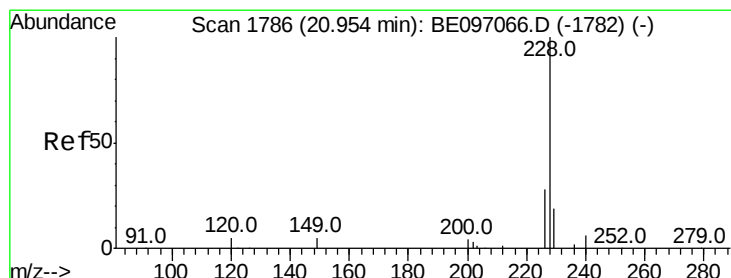
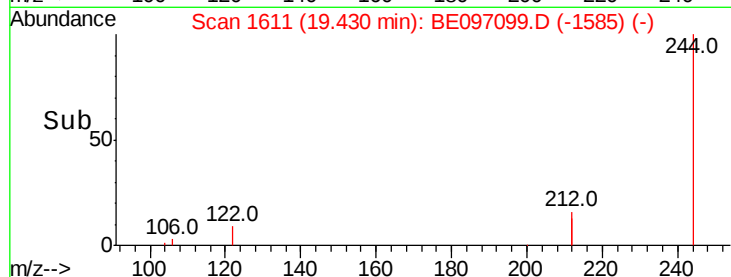
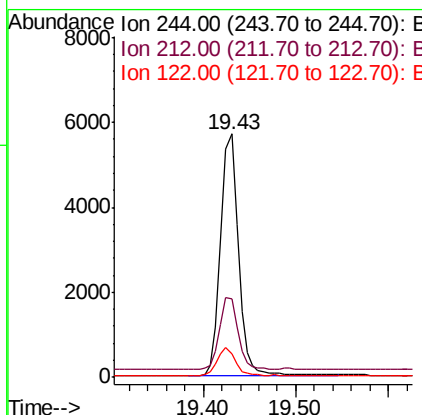
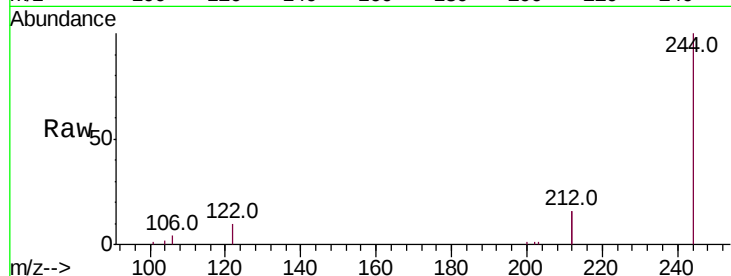




#29
 Terphenyl-d14
 Concen: 0.410 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097099.D
 Acq: 25 Jul 2018 8:50

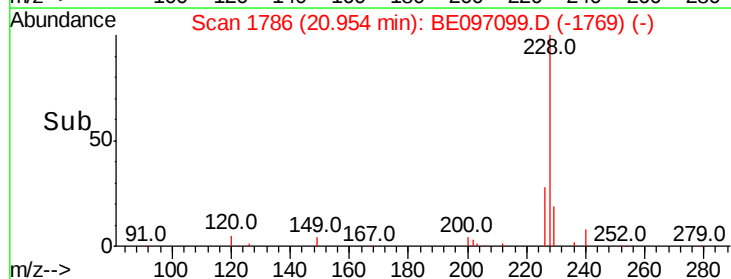
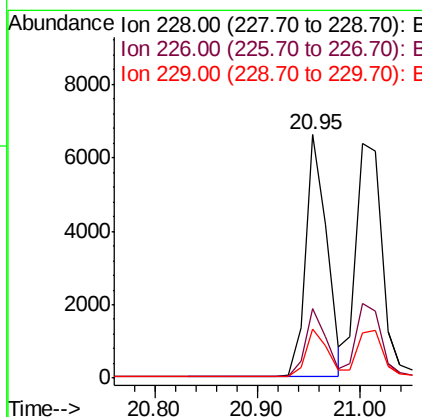
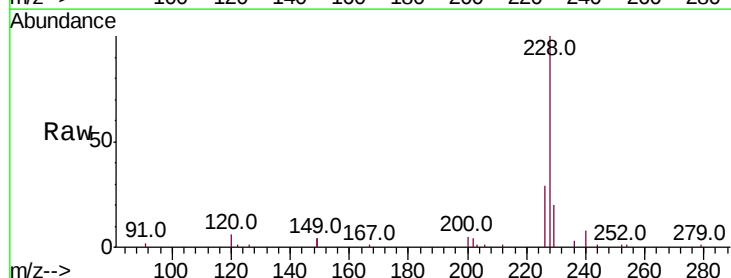
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tot Ion:244 Resp: 7622
 Ion Ratio Lower Upper
 244 100
 212 32.1 25.4 38.0
 122 9.8 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.391 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BE097099.D
 Acq: 25 Jul 2018 8:50

Tgt Ion:228 Resp: 9395
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.0 36.0
 229 20.0 16.0 24.0





#31

Chrysene

Concen: 0.426 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

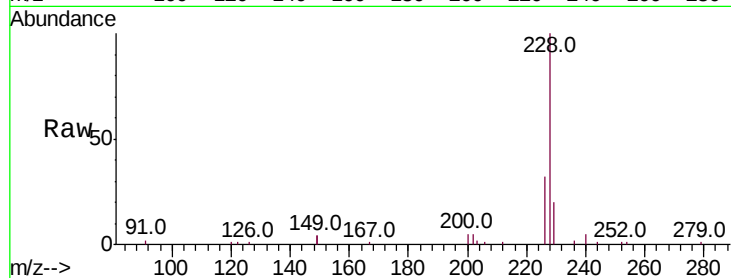
Tot Ion:228 Resp: 10985

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

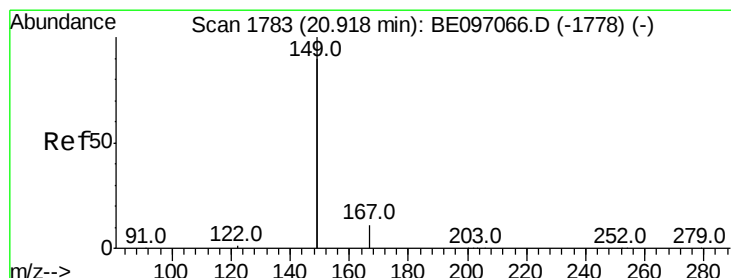
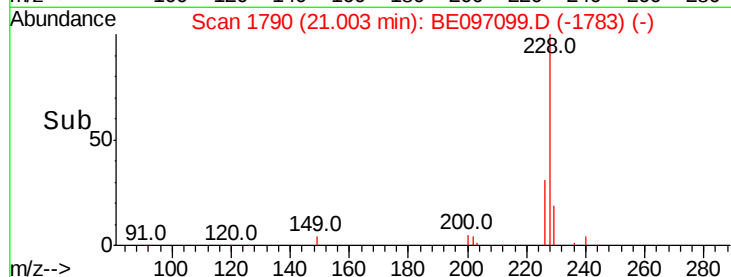
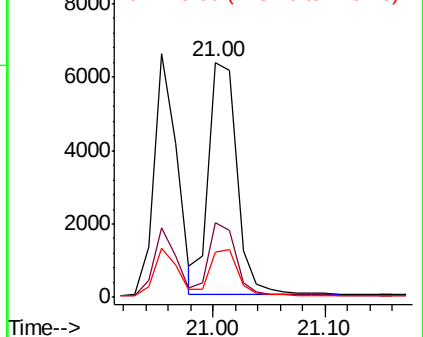
229 19.5 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.398 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

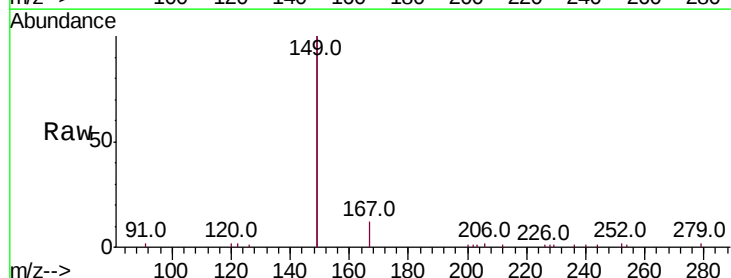
Tgt Ion:149 Resp: 10100

Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

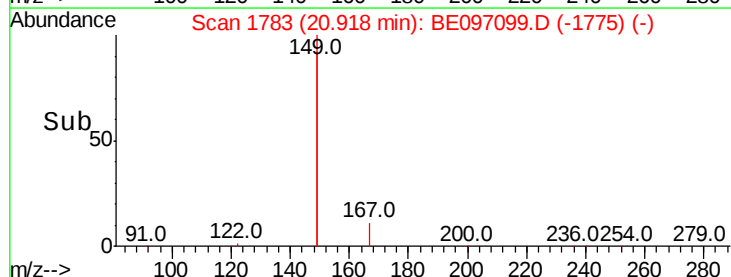
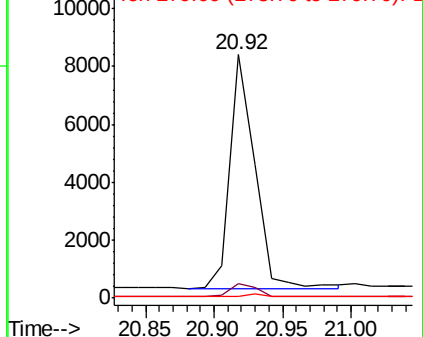
279 1.0 0.7 1.1



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: 0.394 ng

RT: 25.51 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

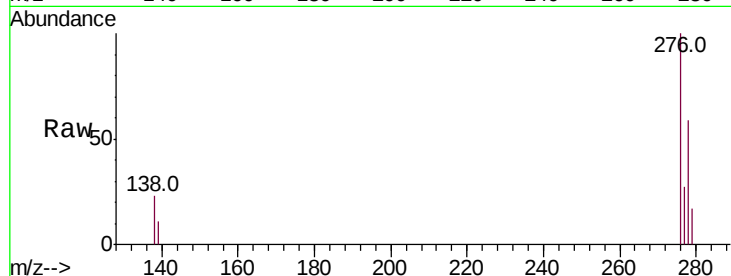
Tot Ion:276 Resp: 9208

Ion Ratio Lower Upper

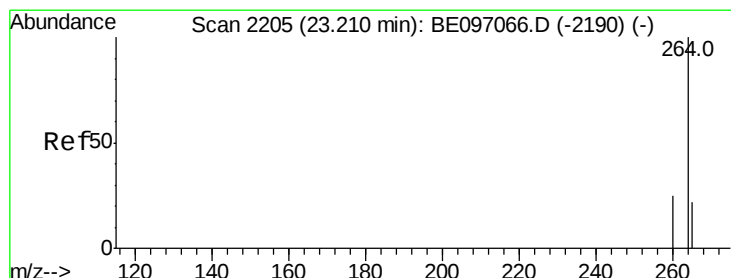
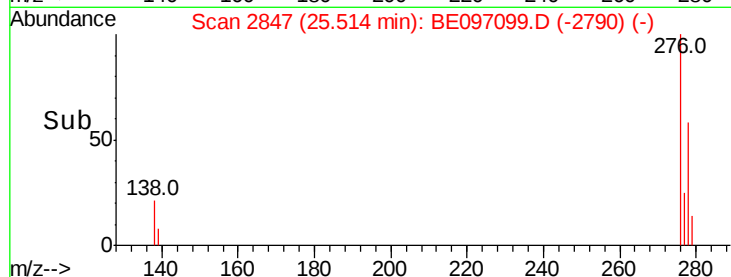
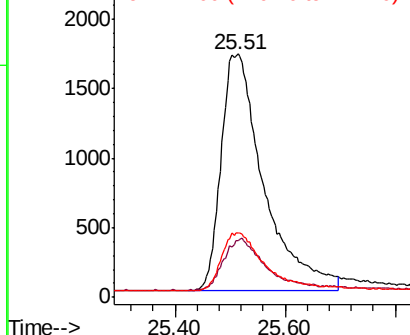
276 100

138 20.9 22.5 33.7#

277 24.5 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

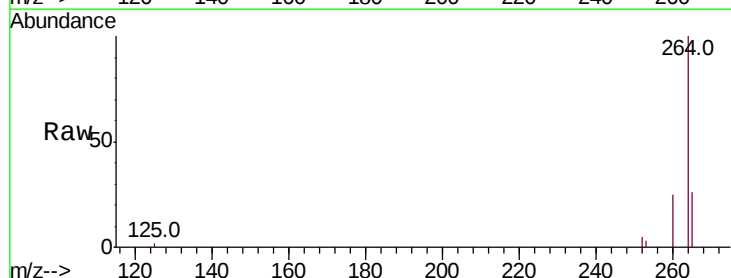
Tgt Ion:264 Resp: 8558

Ion Ratio Lower Upper

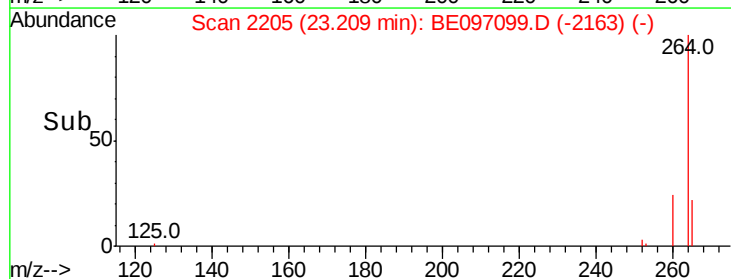
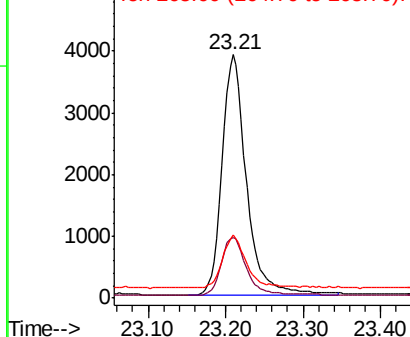
264 100

260 25.1 20.5 30.7

265 25.9 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

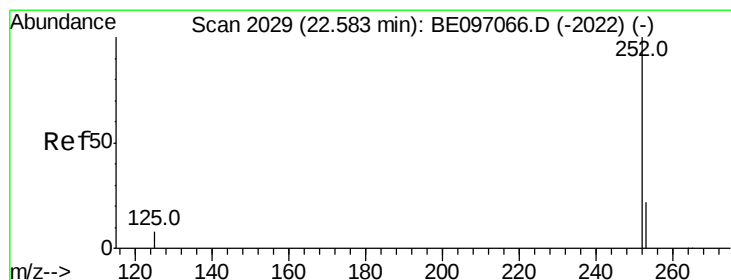
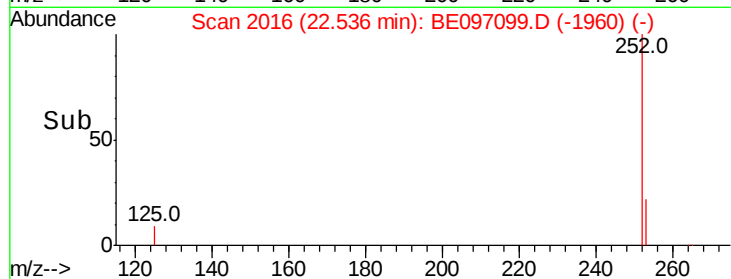
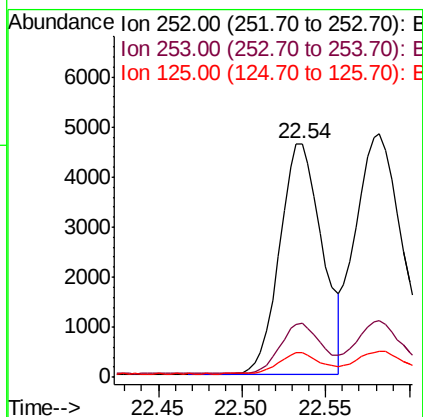
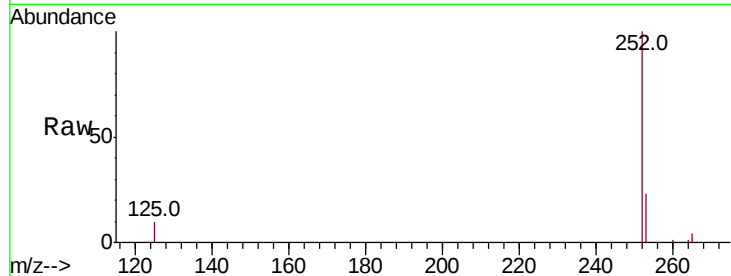




#35
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097099.D
Acq: 25 Jul 2018 8:50

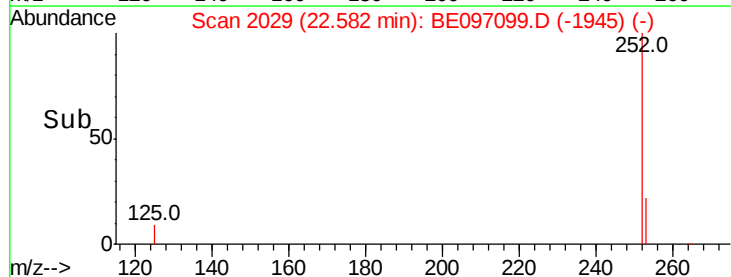
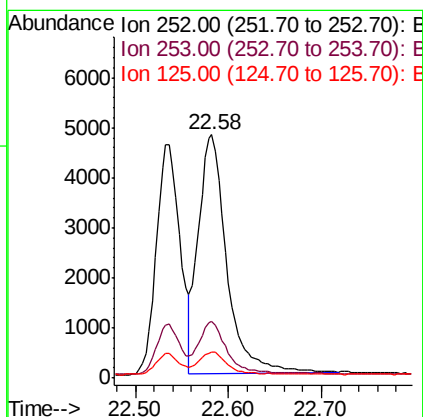
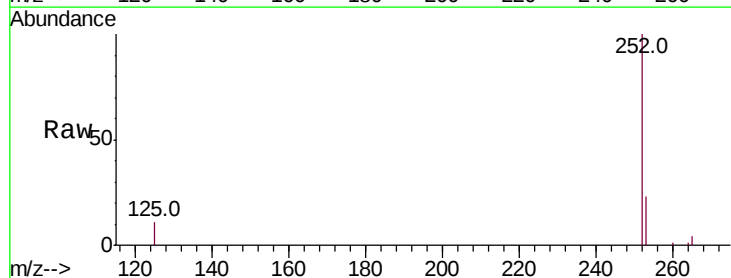
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:252 Resp: 8176
Ion Ratio Lower Upper
252 100
253 23.1 20.0 30.0
125 10.4 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.398 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE097099.D
Acq: 25 Jul 2018 8:50

Tgt Ion:252 Resp: 10095
Ion Ratio Lower Upper
252 100
253 23.1 16.0 24.0
125 10.9 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.379 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

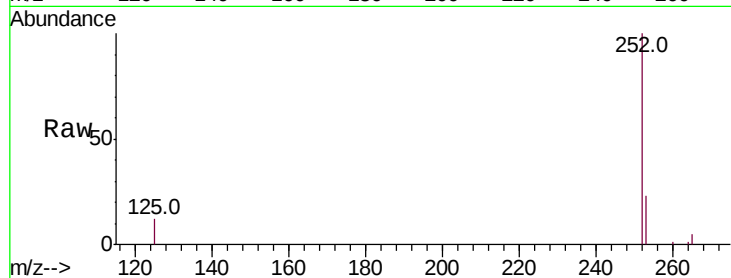
Tot Ion:252 Resp: 7747

Ion Ratio Lower Upper

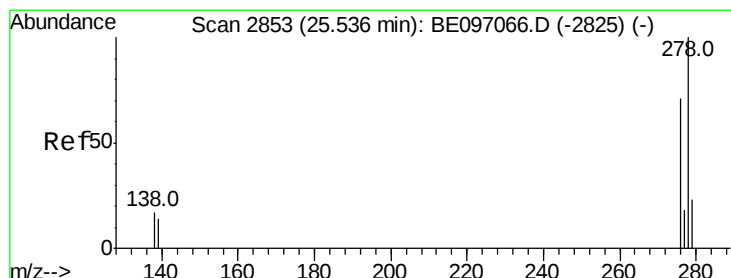
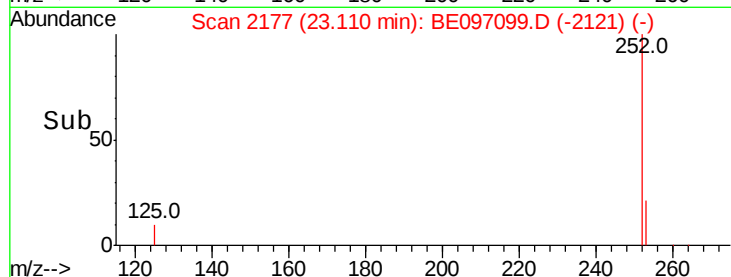
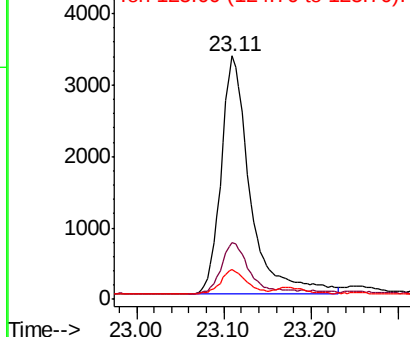
252 100

253 23.2 16.0 24.0

125 12.3 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: 0.373 ng

RT: 25.54 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

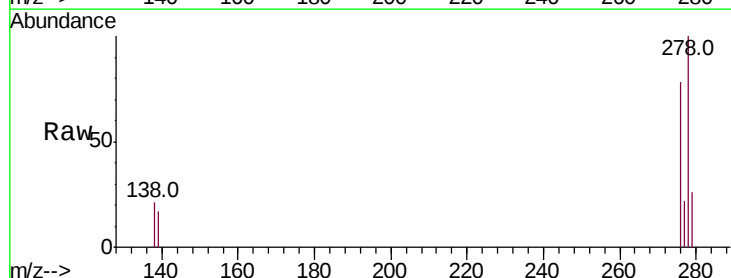
Tgt Ion:278 Resp: 7612

Ion Ratio Lower Upper

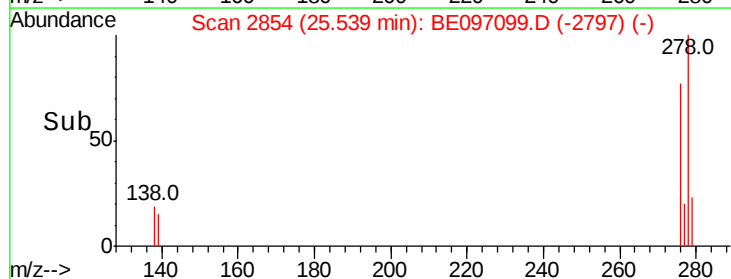
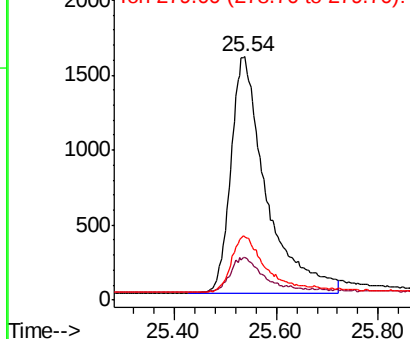
278 100

139 17.5 16.0 24.0

279 25.8 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: 0.371 ng

RT: 26.21 min Scan# 3042

Delta R.T. 0.01 min

Lab File: BE097099.D

Acq: 25 Jul 2018 8:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

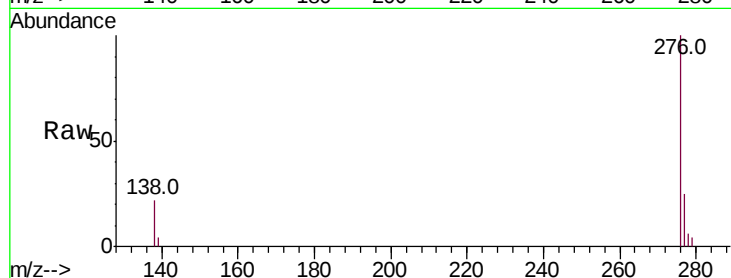
Tot Ion:276 Resp: 8036

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 21.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

