

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097489.D
 Acq On : 17 Sep 2018 10:02
 Operator : SJ/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: Sep 17 13:06:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 13:06:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	813	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3703	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2230	0.40	ng	0.01
19) Phenanthrene-d10	16.76	188	5787	0.40	ng	0.00
27) Chrysene-d12	20.98	240	7311	0.40	ng	0.01
34) Perylene-d12	23.22	264	7464	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	364	0.15	ng	0.00
5) Phenol-d6	6.61	99	419	0.13	ng	0.00
8) Nitrobenzene-d5	8.53	82	366	0.14	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	533	0.10	ng	0.01
14) 2,4,6-Tribromophenol	15.53	330	133	0.18	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	853	0.10	ng	0.01
25) Fluoranthene-d10	18.81	212	7619	0.11	ng	0.00
29) Terphenyl-d14	19.42	244	1611	0.12	ng	0.00

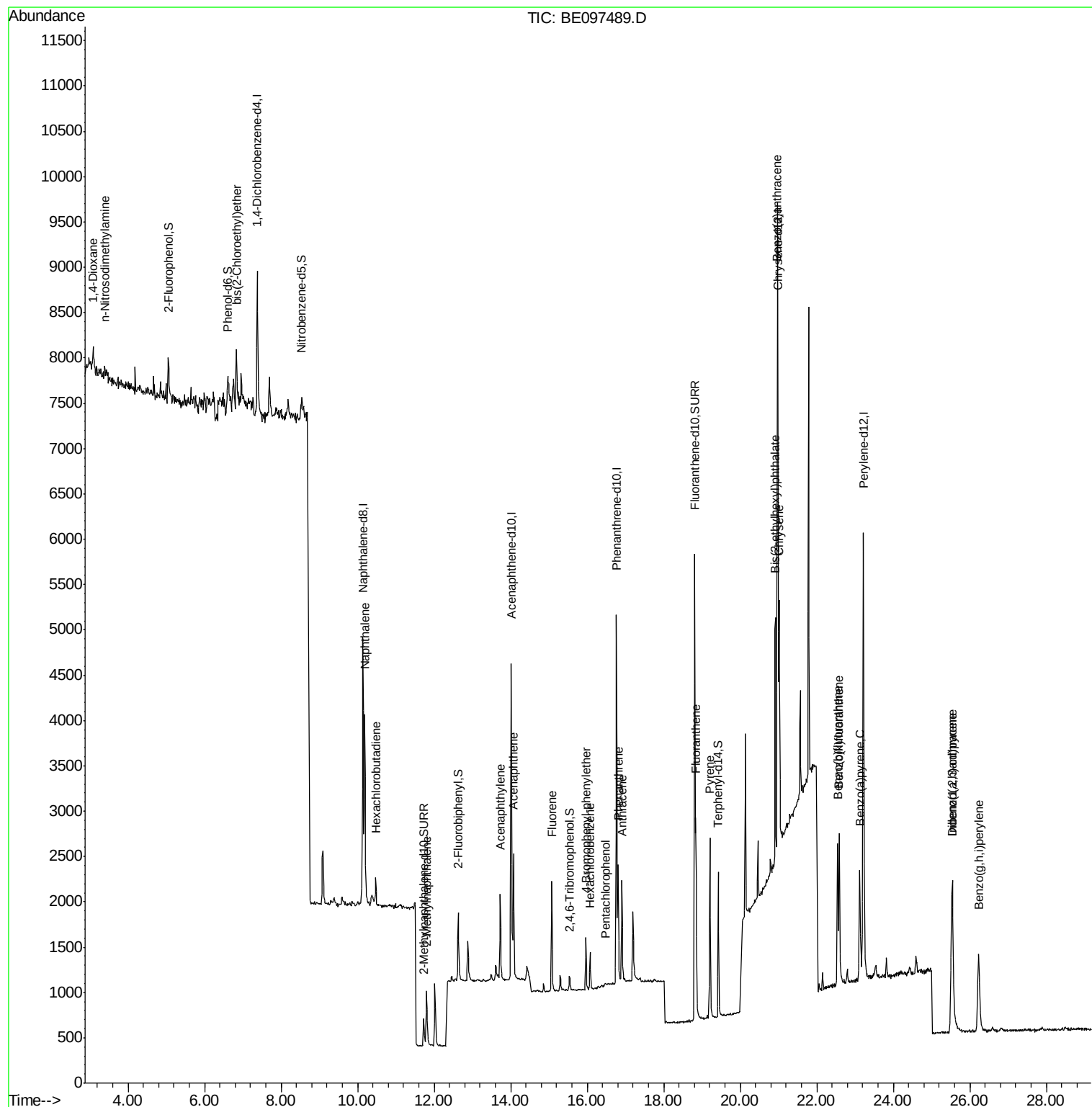
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	175	0.121	ng	90
3) n-Nitrosodimethylamine	3.38	42	128	0.095	ng	# 77
6) bis(2-Chloroethyl)ether	6.84	93	288	0.097	ng	# 71
9) Naphthalene	10.18	128	3685	0.109	ng	# 94
10) Hexachlorobutadiene	10.47	225	186	0.123	ng	96
12) 2-Methylnaphthalene	11.80	142	567	0.107	ng	# 92
16) Acenaphthylene	13.73	152	1090	0.123	ng	98
17) Acenaphthene	14.07	154	648	0.110	ng	94
18) Fluorene	15.07	166	827	0.111	ng	# 81
20) 4-Bromophenyl-phenylether	15.97	248	317	0.120	ng	# 81
21) Hexachlorobenzene	16.08	284	333	0.114	ng	# 88
22) Pentachlorophenol	16.47	266	47	0.059	ng	96
23) Phenanthrene	16.81	178	1464	0.106	ng	96
24) Anthracene	16.90	178	1352	0.115	ng	95
26) Fluoranthene	18.84	202	1966	0.114	ng	99
28) Pyrene	19.21	202	2121	0.122	ng	99
30) Benzo(a)anthracene	20.97	228	2157	0.117	ng	97
31) Chrysene	21.01	228	2203	0.111	ng	92
32) Bis(2-ethylhexyl)phthalate	20.92	149	4040	0.162	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.53	276	2575	0.091	ng	97
35) Benzo(b)fluoranthene	22.54	252	2191	0.103	ng	# 87
36) Benzo(k)fluoranthene	22.59	252	2249	0.095	ng	# 69
37) Benzo(a)pyrene	23.12	252	2090	0.109	ng	# 64
38) Dibenzo(a,h)anthracene	25.55	278	2111	0.083	ng	# 75
39) Benzo(g,h,i)perylene	26.23	276	2246	0.086	ng	# 75

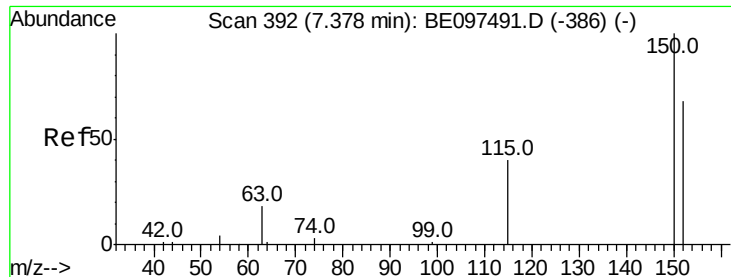
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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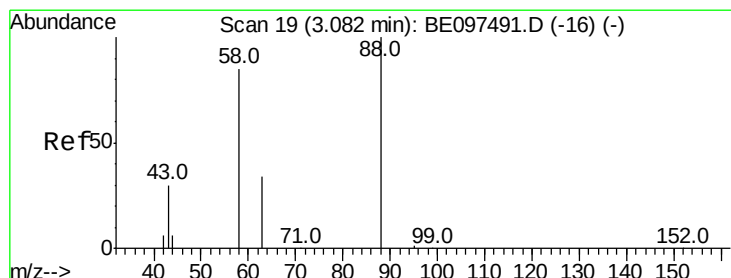
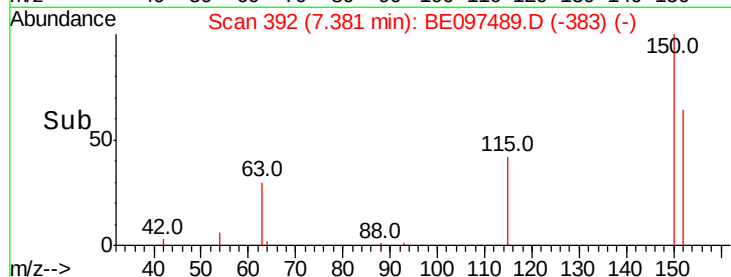
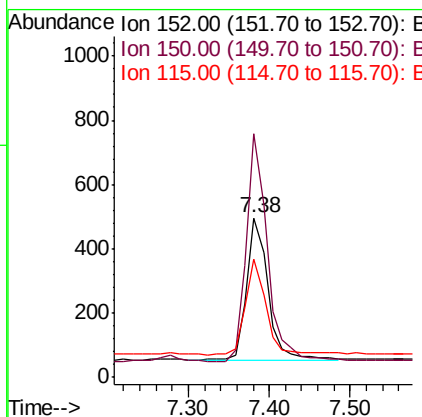
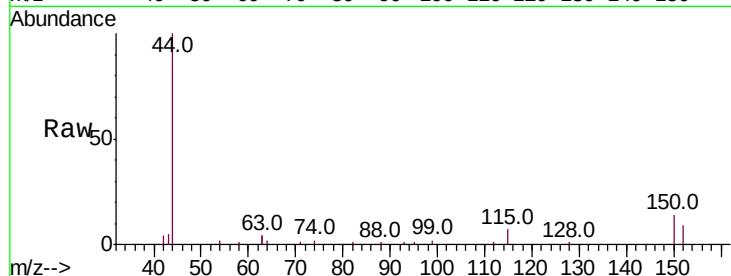


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.38 min Scan# 392
 Delta R.T. 0.00 min
 Lab File: BE097489.D
 Acq: 17 Sep 2018 10:02

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

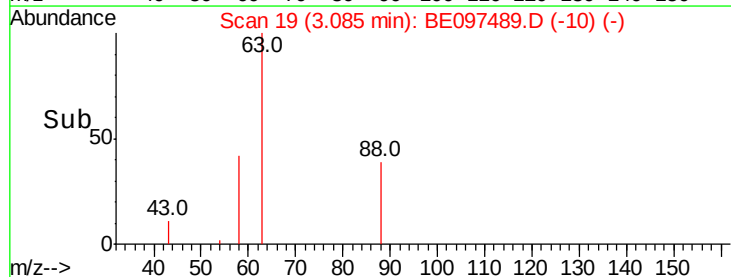
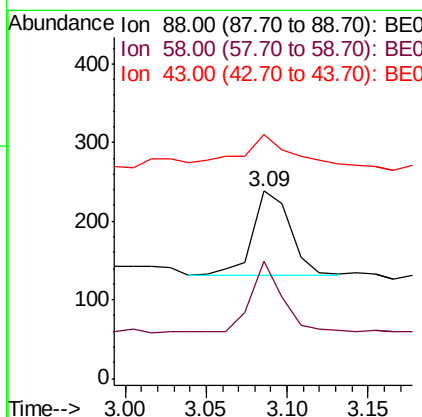
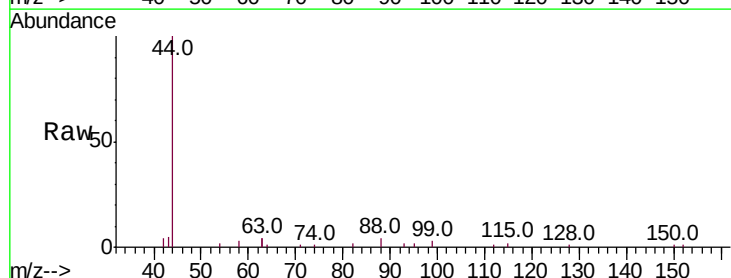
Tot Ion:152 Resp: 813
 Ion Ratio Lower Upper
 152 100
 150 152.5 117.2 175.8
 115 73.6 57.0 85.6

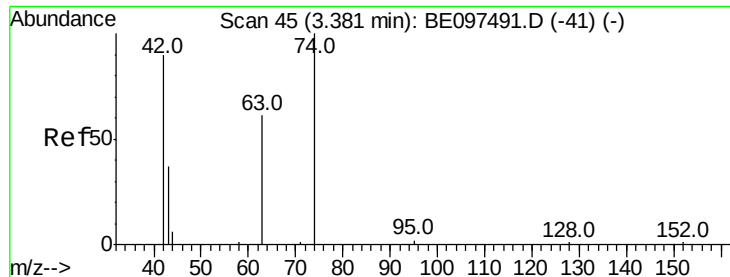


#2

1,4-Dioxane
 Concen: 0.121 ng
 RT: 3.09 min Scan# 19
 Delta R.T. 0.00 min
 Lab File: BE097489.D
 Acq: 17 Sep 2018 10:02

Tgt Ion: 88 Resp: 175
 Ion Ratio Lower Upper
 88 100
 58 69.1 63.2 94.8
 43 46.3 41.2 61.8





#3

n-Nitrosodimethylamine

Concen: 0.095 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

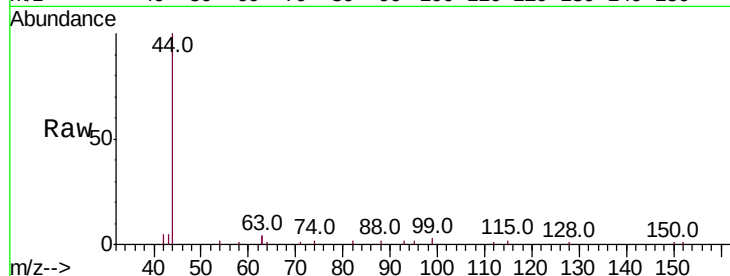
Tot Ion: 42 Resp: 128

Ion Ratio Lower Upper

42 100

74 143.8 96.0 144.0

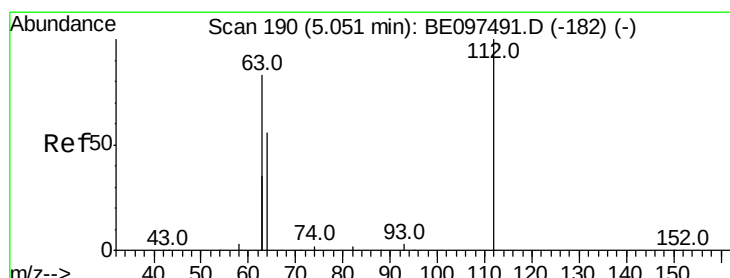
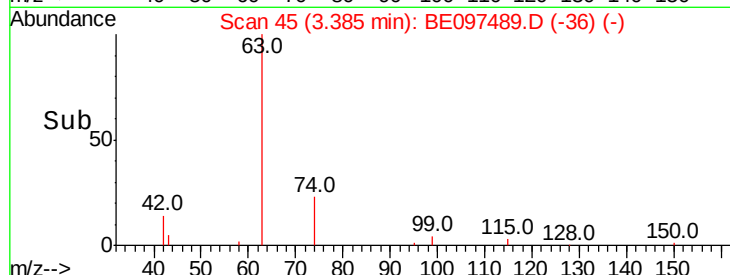
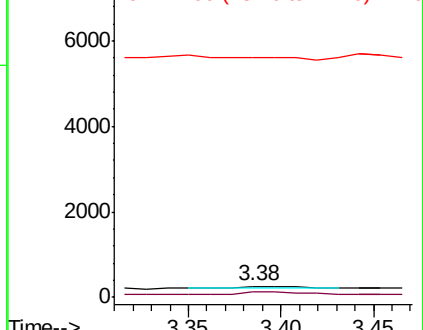
44 0.0 12.0 18.0#



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: 0.151 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

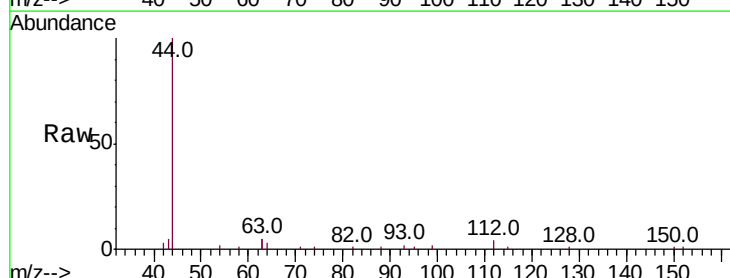
Tgt Ion: 112 Resp: 364

Ion Ratio Lower Upper

112 100

64 64.3 60.1 90.1

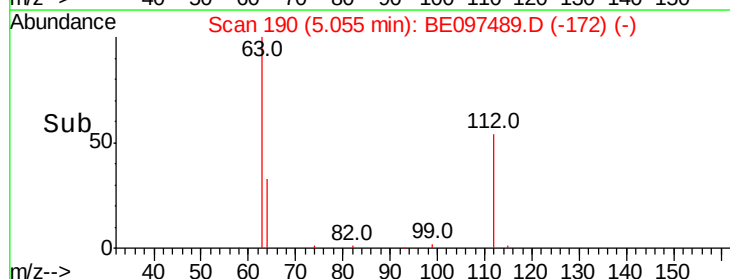
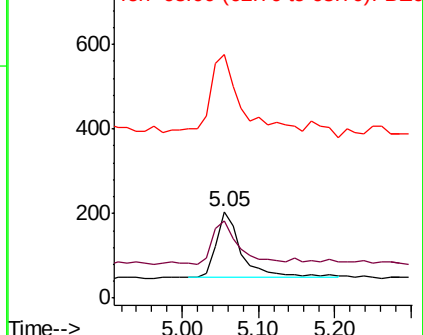
63 150.0 116.8 175.2

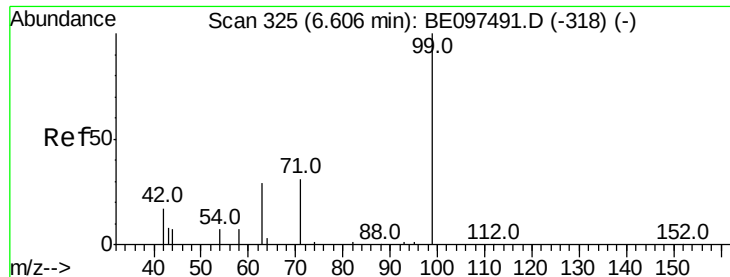


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.130 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

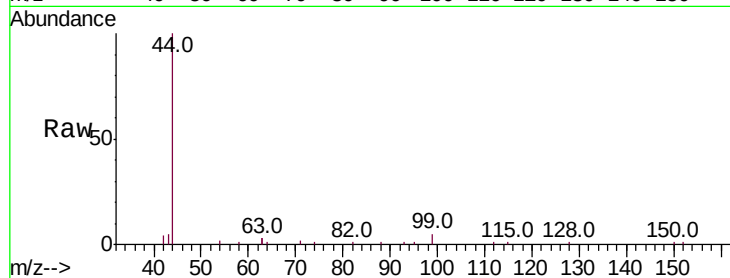
Tot Ion: 99 Resp: 419

Ion Ratio Lower Upper

99 100

42 29.4 20.2 30.2

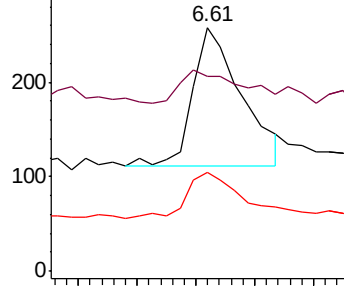
71 36.0 28.4 42.6



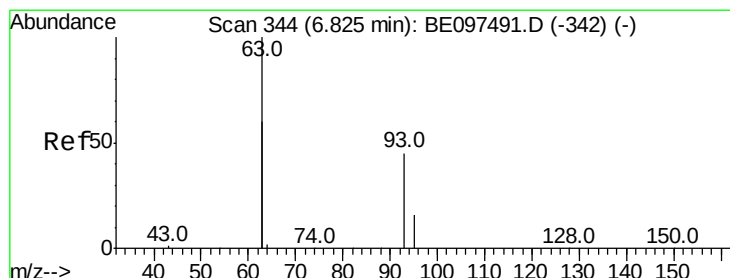
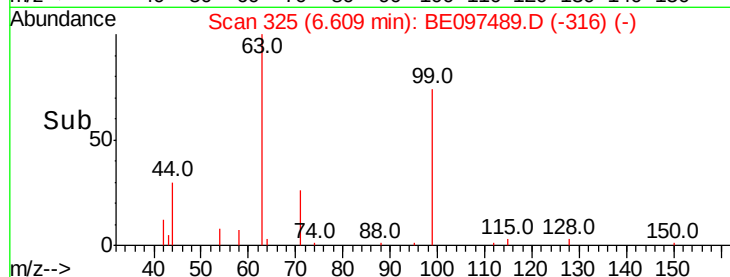
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.097 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

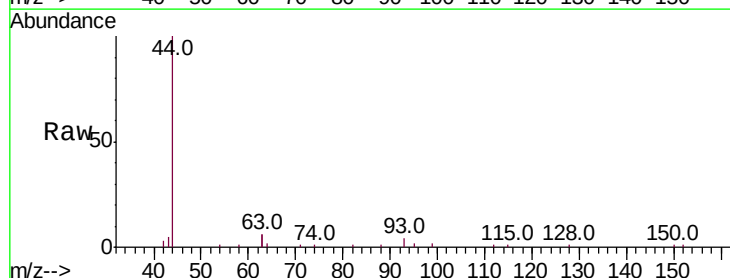
Tgt Ion: 93 Resp: 288

Ion Ratio Lower Upper

93 100

63 278.5 275.3 412.9

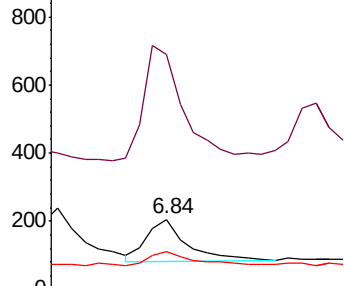
95 37.8 25.2 37.8#



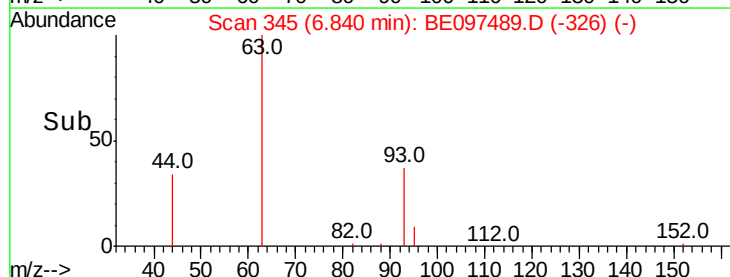
Abundance Ion 93.00 (92.70 to 93.70): BE0

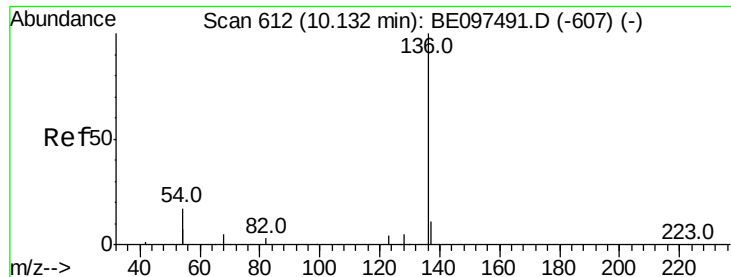
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampled :

SSTDIC0.1

Tot Ion:136 Resp: 3703

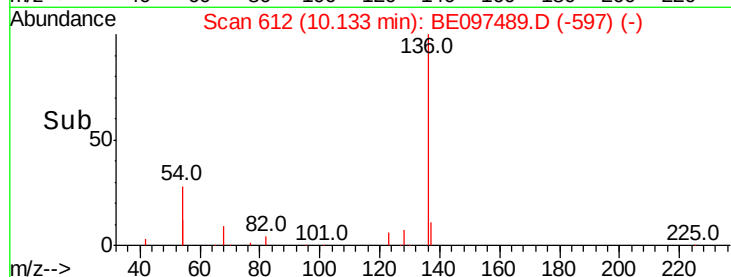
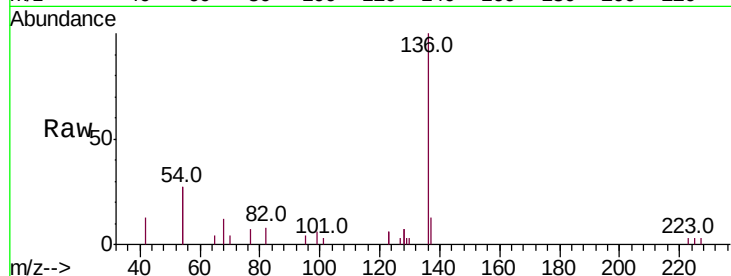
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 54.7 29.1 43.7#

68 12.4 6.2 9.2#

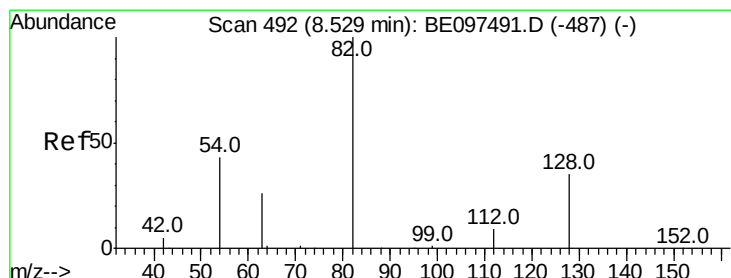
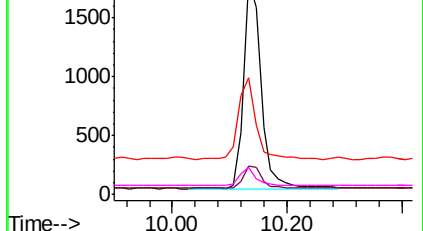


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.138 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

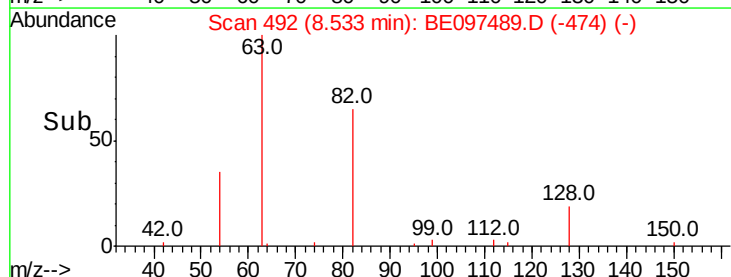
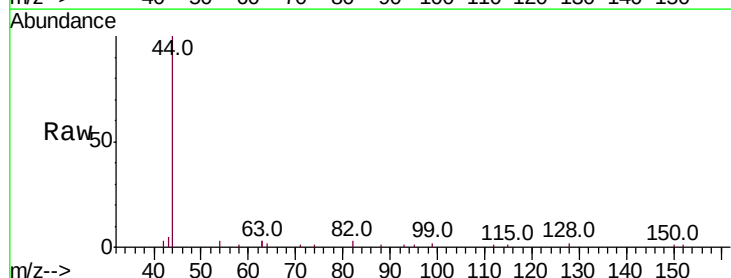
Tgt Ion: 82 Resp: 366

Ion Ratio Lower Upper

82 100

128 51.6 24.0 36.0#

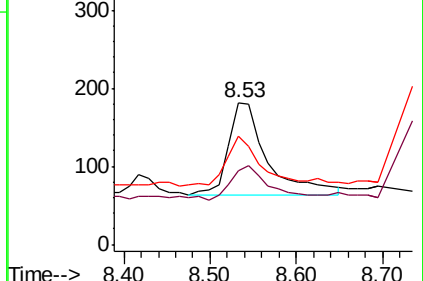
54 76.4 40.0 60.0#

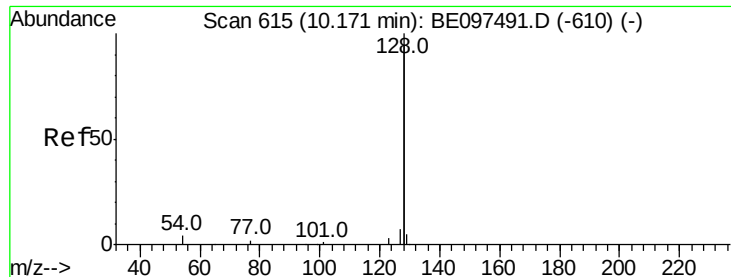


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.109 ng

RT: 10.18 min Scan# 616

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

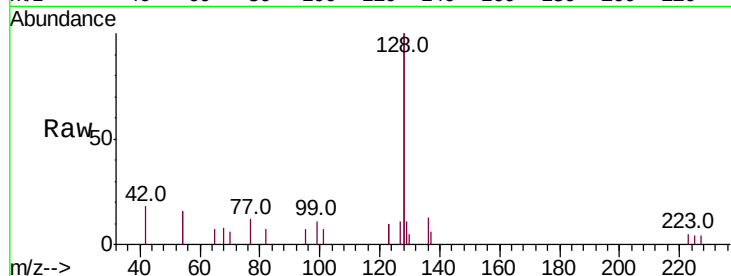
Tot Ion:128 Resp: 3685

Ion Ratio Lower Upper

128 100

129 5.4 2.6 3.8#

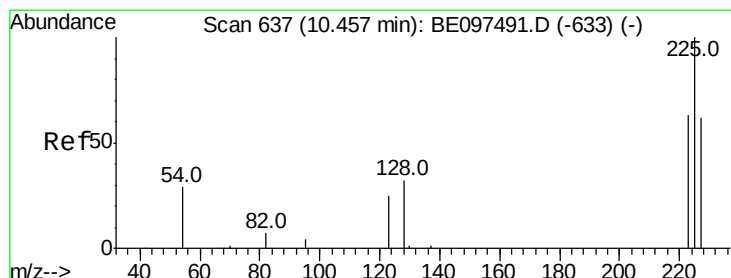
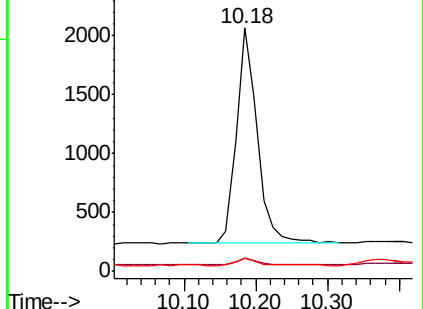
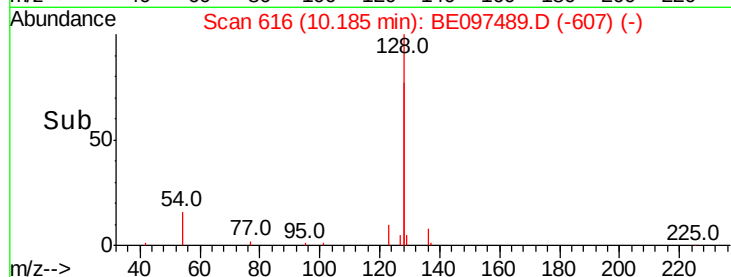
127 5.3 2.8 4.2#



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: 0.123 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

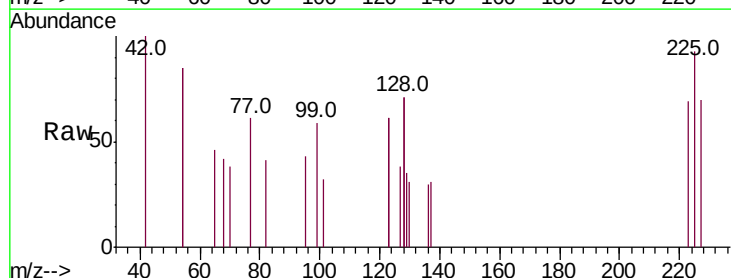
Tgt Ion:225 Resp: 186

Ion Ratio Lower Upper

225 100

223 61.3 53.0 79.6

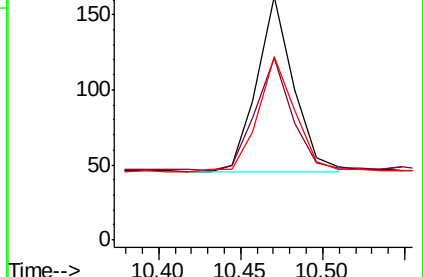
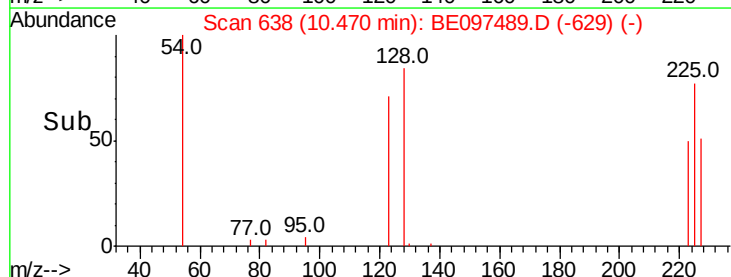
227 66.1 51.4 77.2

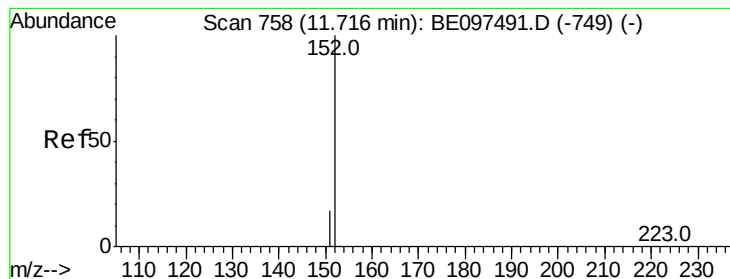


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.103 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

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ClientSampleId :

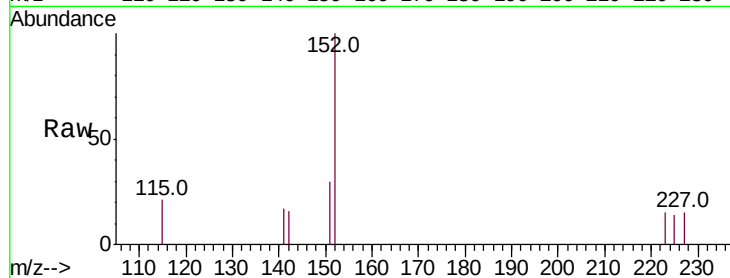
SSTDIC0.1

Tot Ion:152 Resp: 533

Ion Ratio Lower Upper

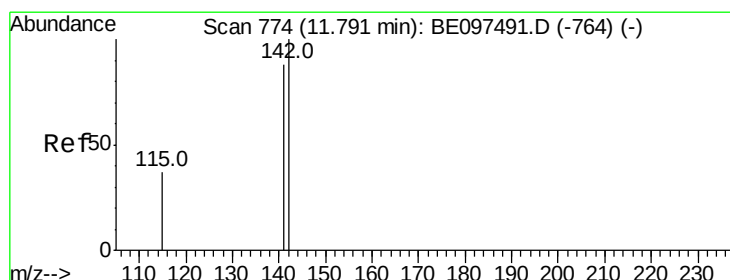
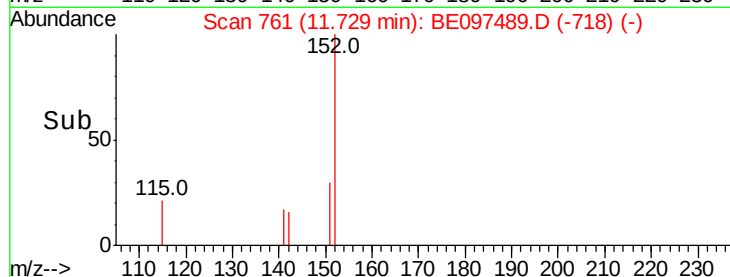
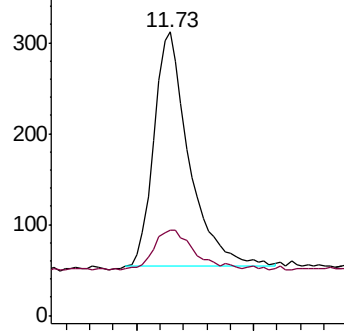
152 100

151 17.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.107 ng

RT: 11.80 min Scan# 777

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

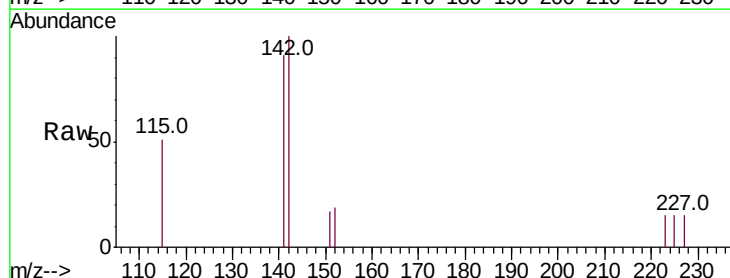
Tgt Ion:142 Resp: 567

Ion Ratio Lower Upper

142 100

141 91.4 70.4 105.6

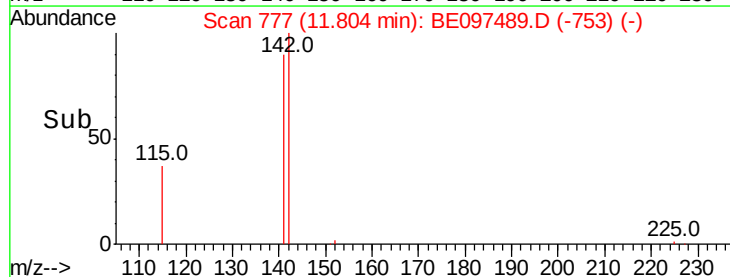
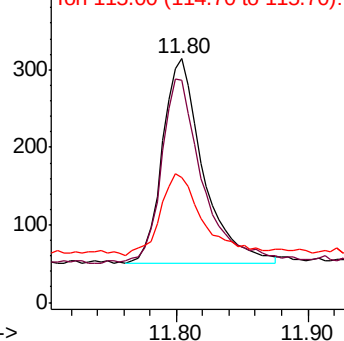
115 51.3 31.7 47.5#

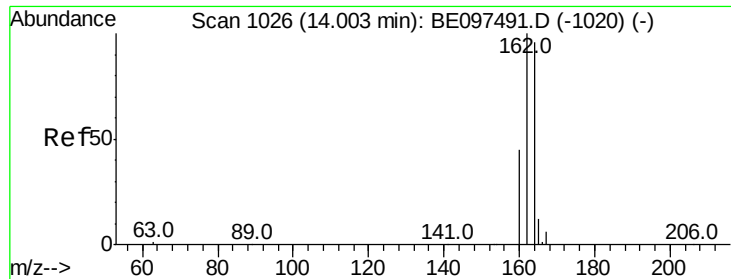


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

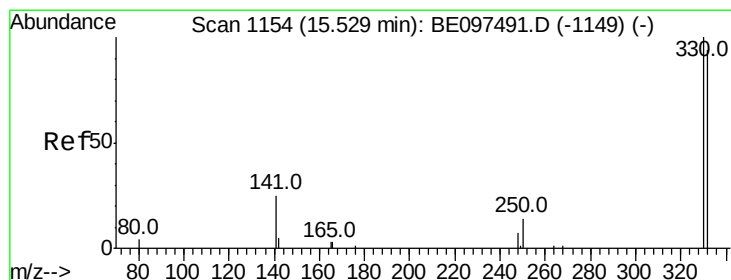
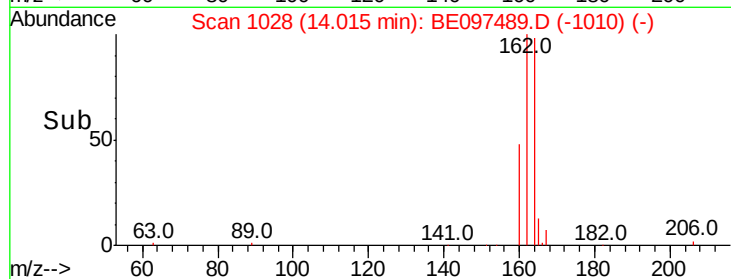
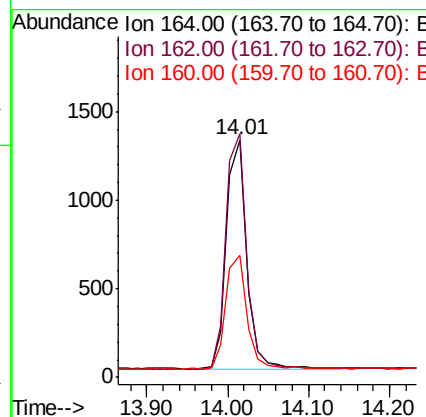
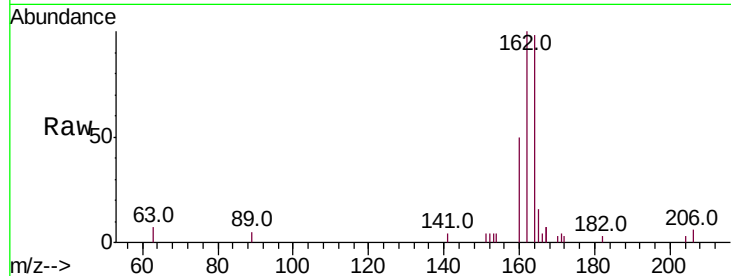




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BE097489.D
 Acq: 17 Sep 2018 10:02

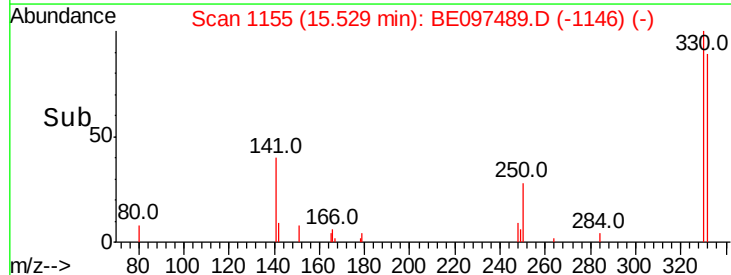
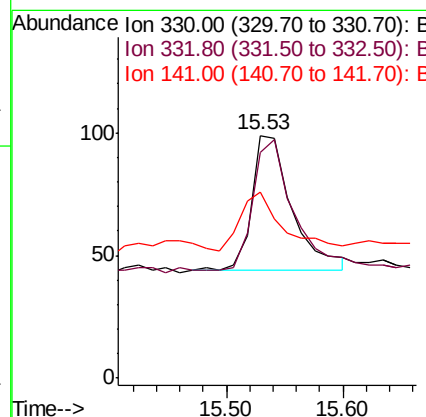
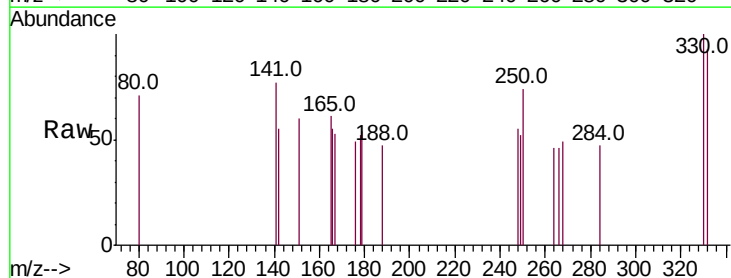
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

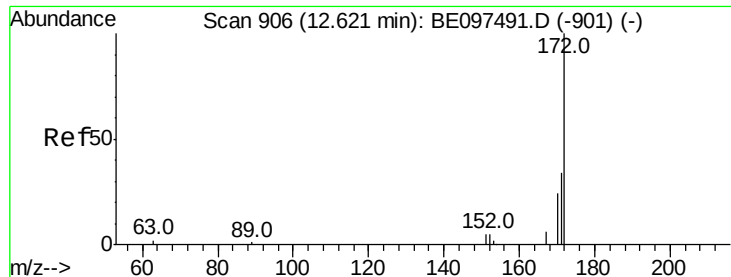
Tot Ion:164 Resp: 2230
 Ion Ratio Lower Upper
 164 100
 162 102.5 83.1 124.7
 160 51.4 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.176 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE097489.D
 Acq: 17 Sep 2018 10:02

Tgt Ion:330 Resp: 133
 Ion Ratio Lower Upper
 330 100
 332 96.2 152.7 229.1#
 141 45.1 33.7 50.5

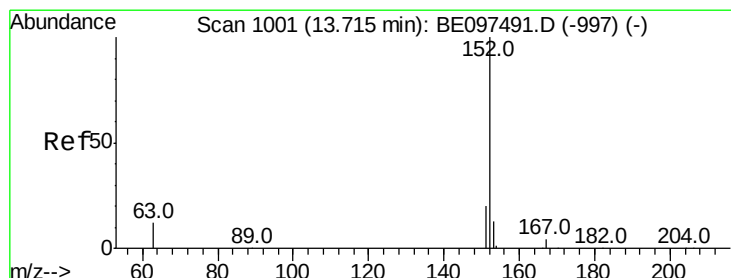
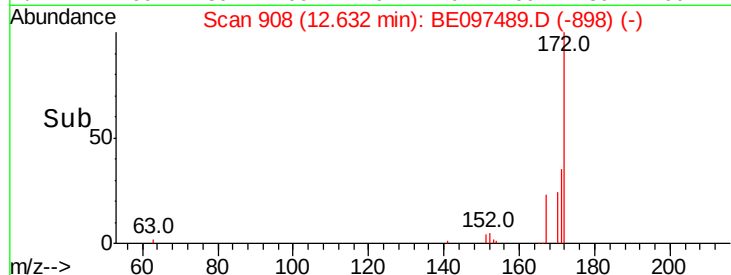
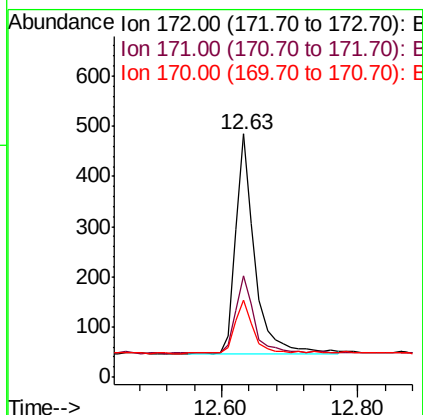
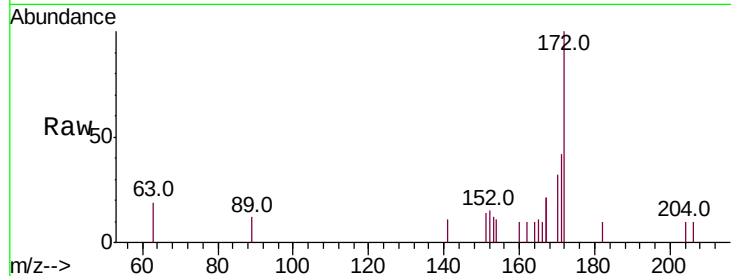




#15
2-Fluorobiphenyl
Concen: 0.104 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.01 min
Lab File: BE097489.D
Acq: 17 Sep 2018 10:02

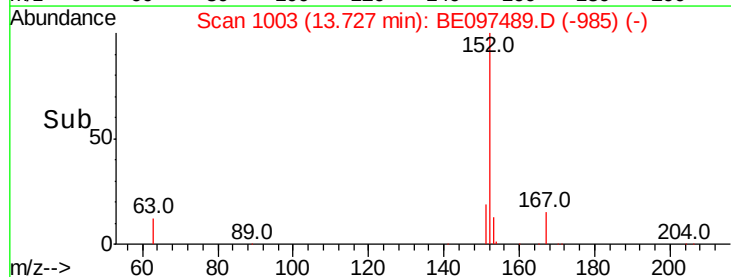
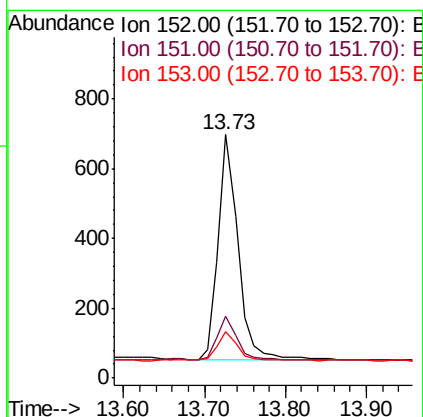
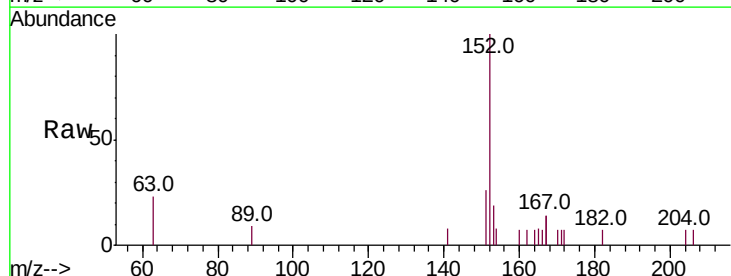
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

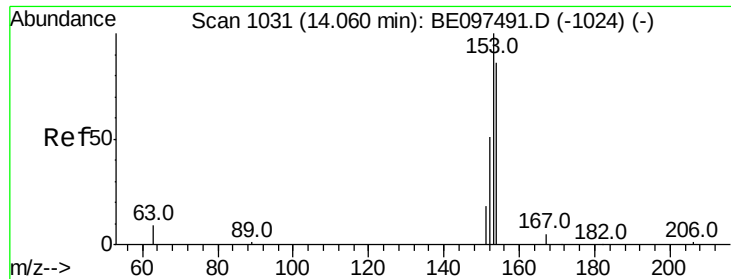
Tot Ion:172 Resp: 853
Ion Ratio Lower Upper
172 100
171 41.6 29.9 44.9
170 31.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.123 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097489.D
Acq: 17 Sep 2018 10:02

Tgt Ion:152 Resp: 1090
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 15.1 10.5 15.7





#17

Acenaphthene

Concen: 0.110 ng

RT: 14.07 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

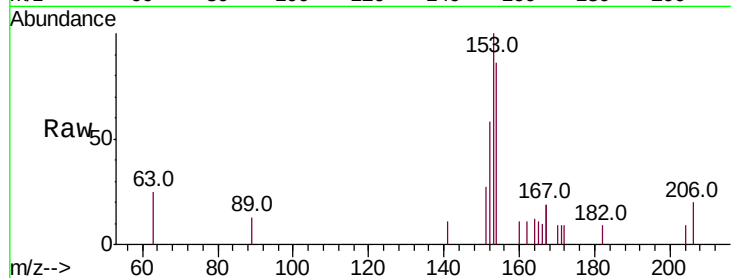
Tot Ion:154 Resp: 648

Ion Ratio Lower Upper

154 100

153 115.6 89.2 133.8

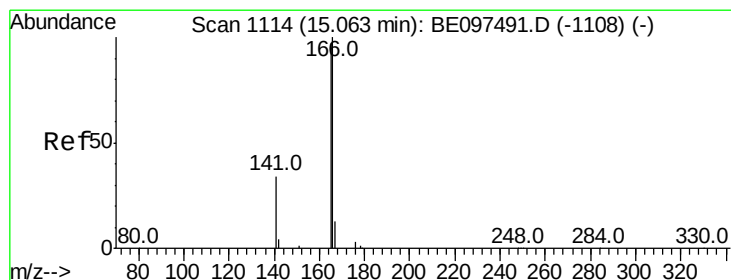
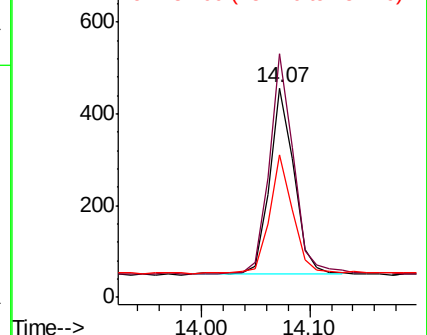
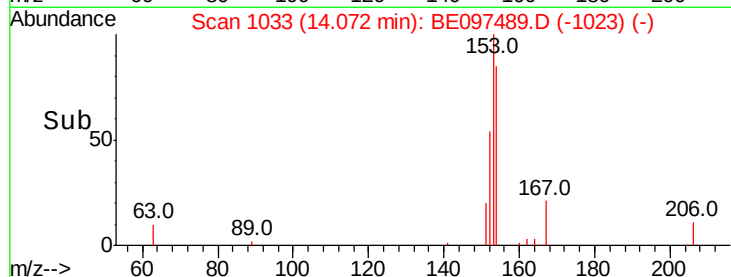
152 60.5 42.0 63.0



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: 0.111 ng

RT: 15.07 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

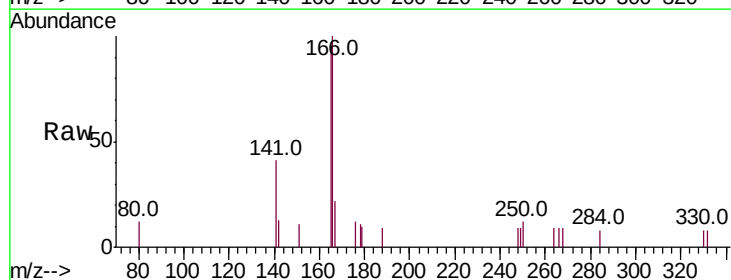
Tgt Ion:166 Resp: 827

Ion Ratio Lower Upper

166 100

165 96.0 77.8 116.6

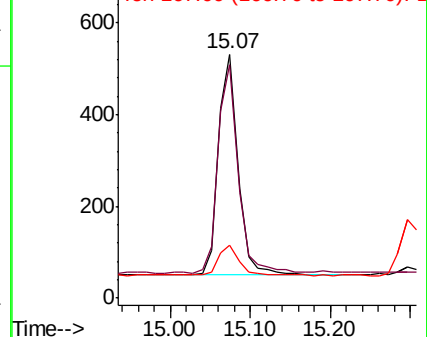
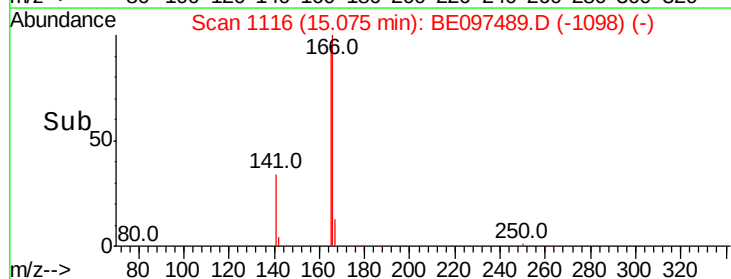
167 15.6 42.4 63.6#

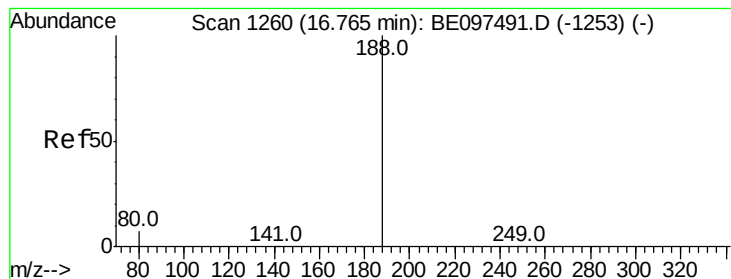


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

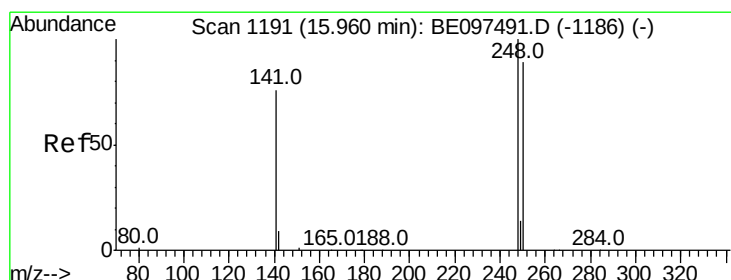
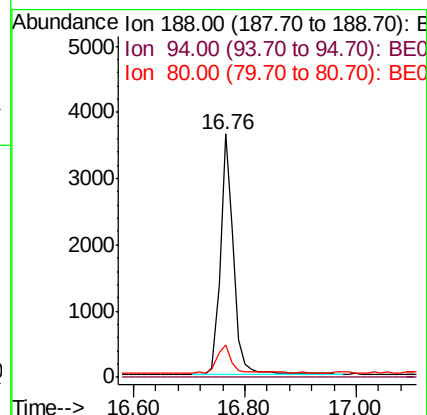
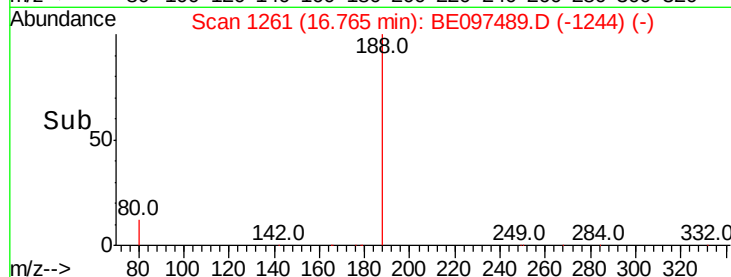
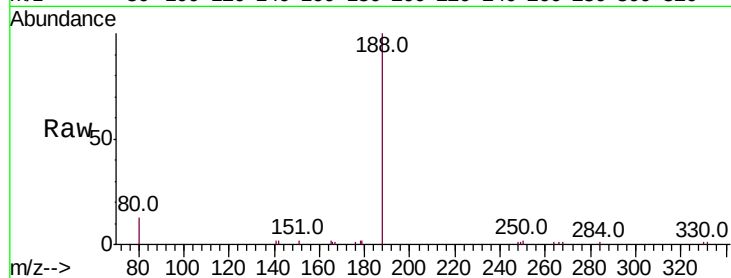
Tot Ion:188 Resp: 5787

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 13.3 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.120 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

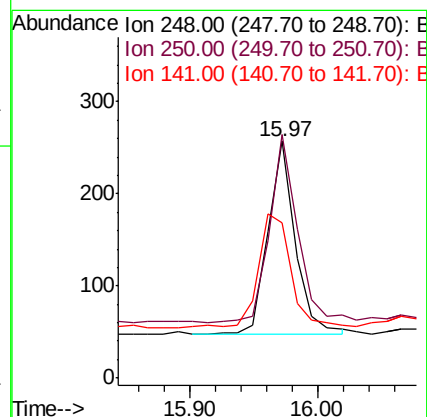
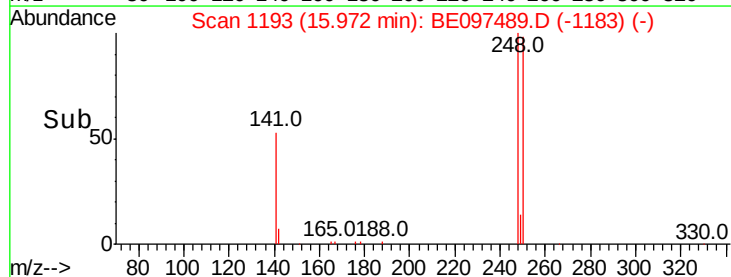
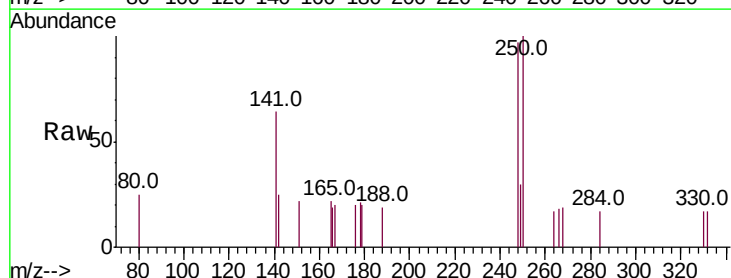
Tgt Ion:248 Resp: 317

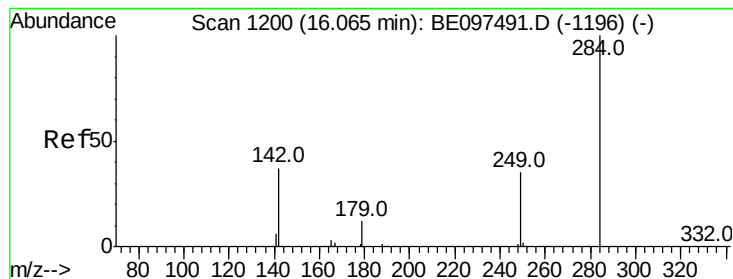
Ion Ratio Lower Upper

248 100

250 102.7 62.7 94.1#

141 65.4 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.114 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

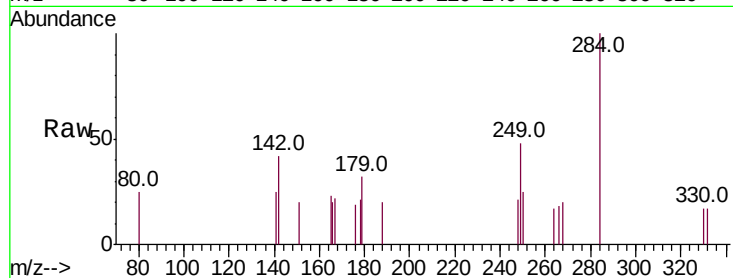
Tot Ion:284 Resp: 333

Ion Ratio Lower Upper

284 100

142 29.4 22.1 33.1

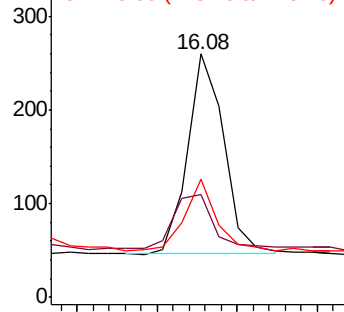
249 32.4 34.8 52.2#



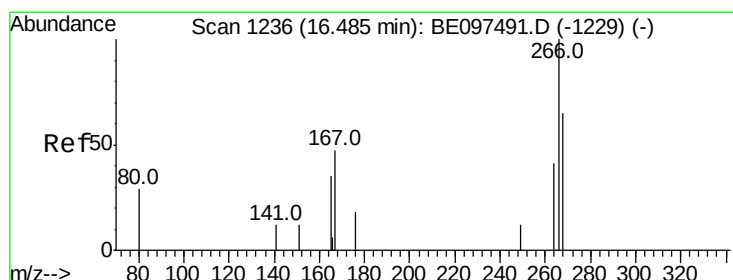
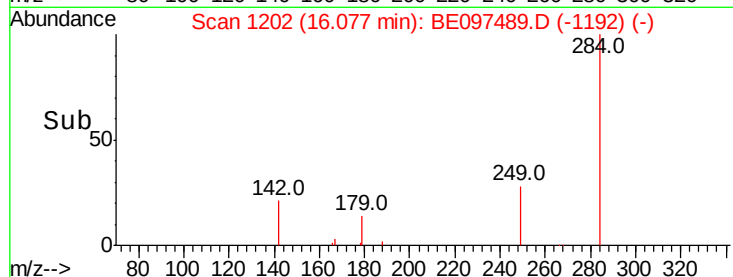
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.059 ng

RT: 16.47 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

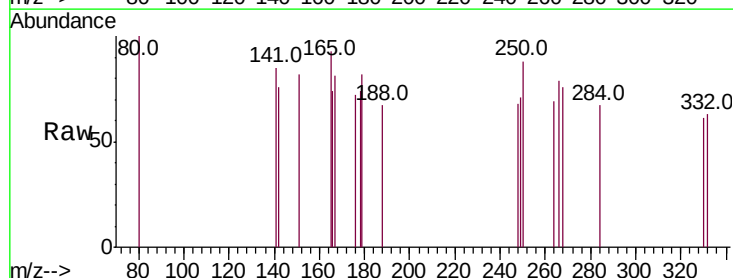
Tgt Ion:266 Resp: 47

Ion Ratio Lower Upper

266 100

264 87.7 72.5 108.7

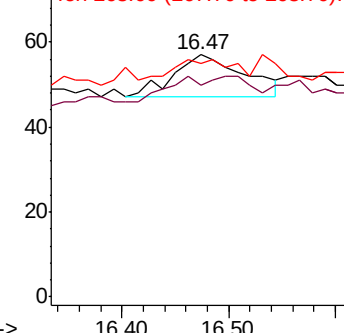
268 96.5 73.8 110.6



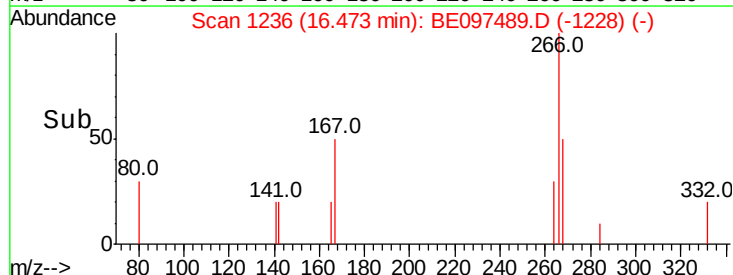
Abundance Ion 266.00 (265.70 to 266.70): E

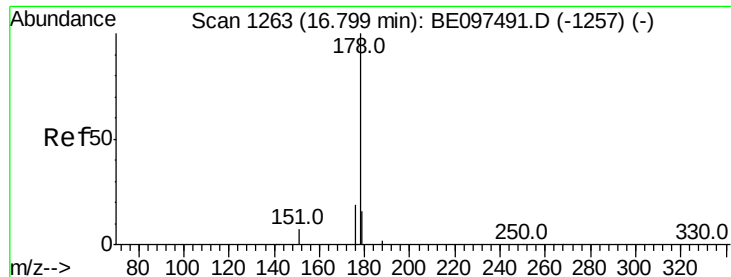
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.106 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

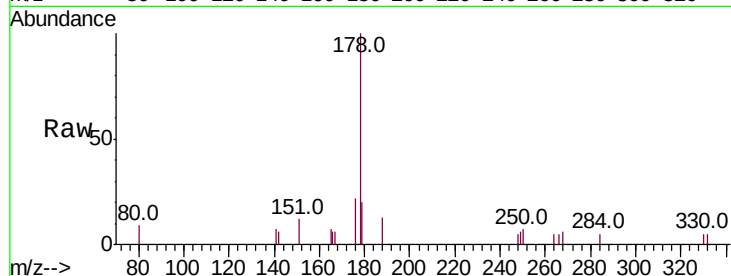
Tot Ion:178 Resp: 1464

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

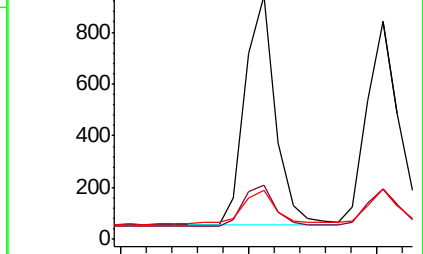
179 17.2 11.8 17.6



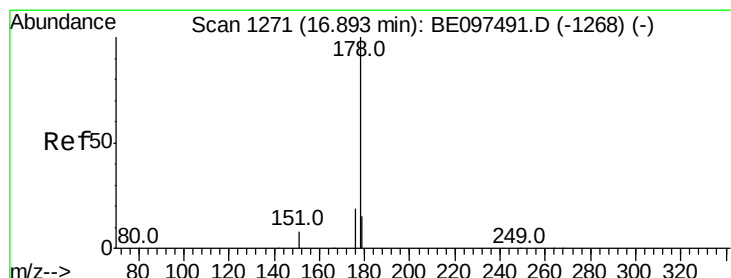
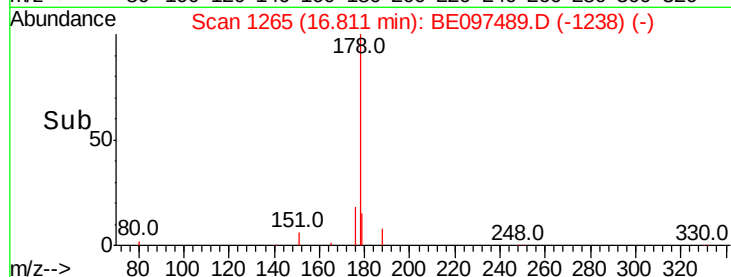
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.70 16.80 16.90



#24

Anthracene

Concen: 0.115 ng

RT: 16.90 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

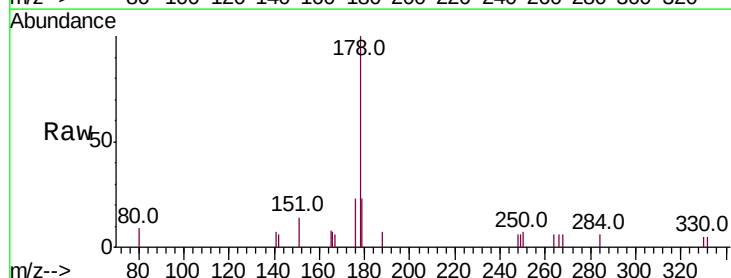
Tgt Ion:178 Resp: 1352

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

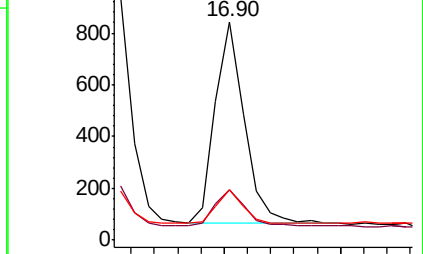
179 15.2 13.0 19.6



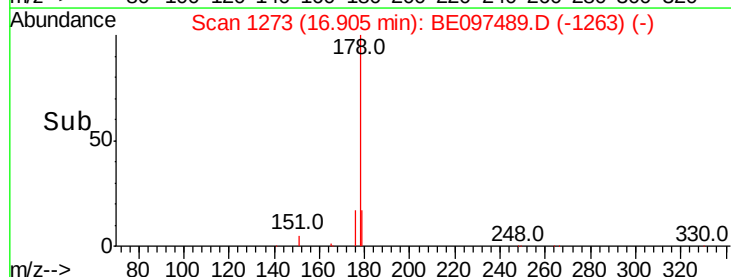
Abundance Ion 178.00 (177.70 to 178.70): E

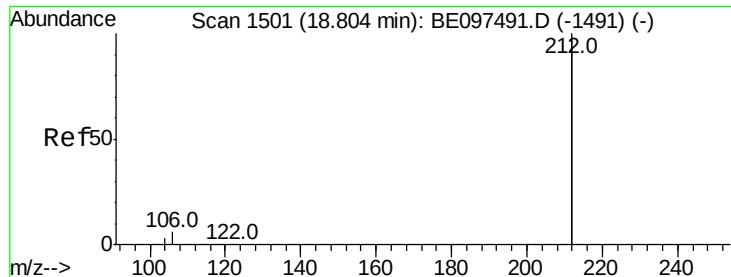
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.90 17.00





#25

Fluoranthene-d10

Concen: 0.115 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

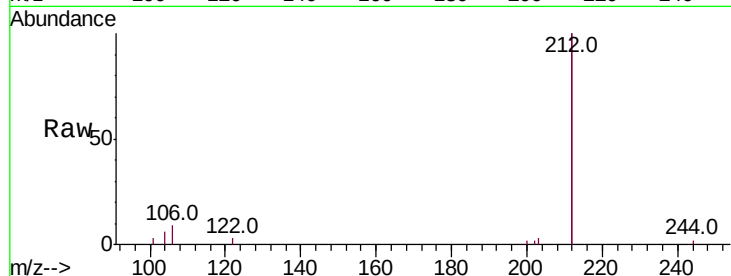
Tot Ion:212 Resp: 7619

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

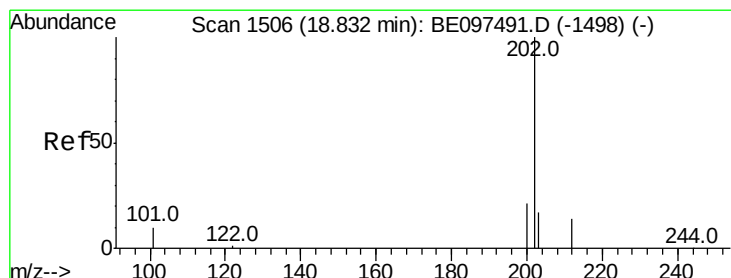
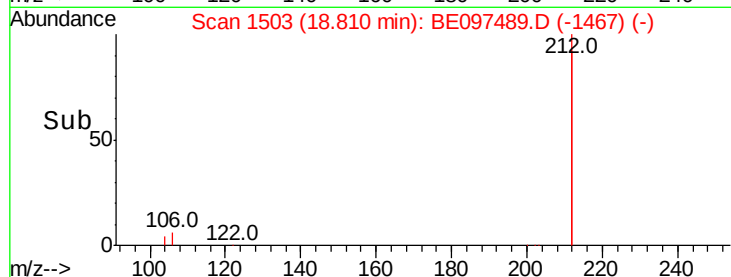
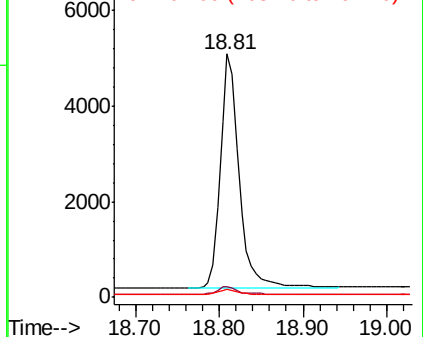
104 2.0 1.6 2.4



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: 0.114 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

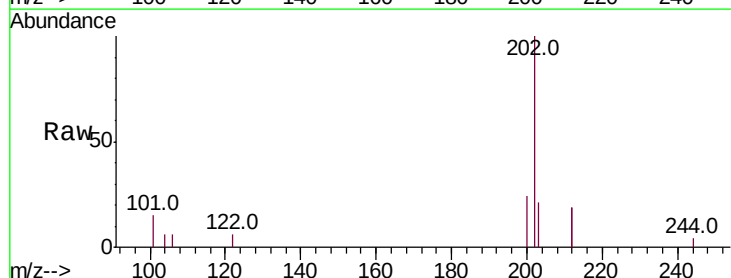
Tgt Ion:202 Resp: 1966

Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.8

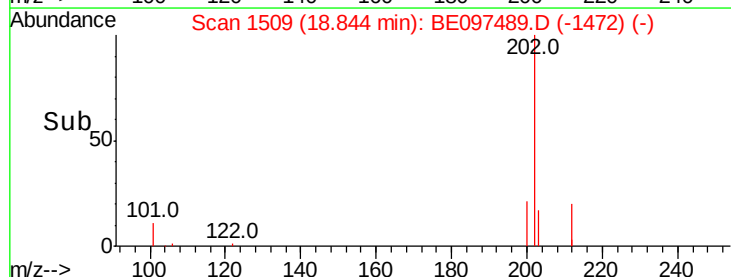
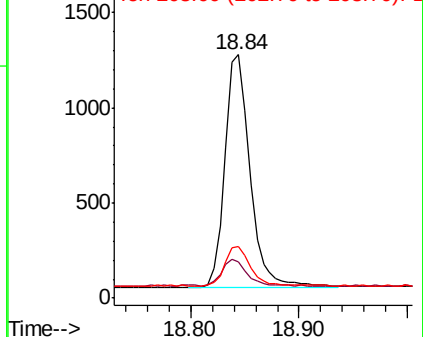
203 17.0 13.7 20.5

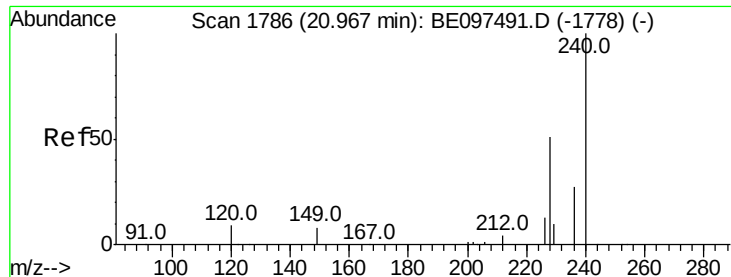


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

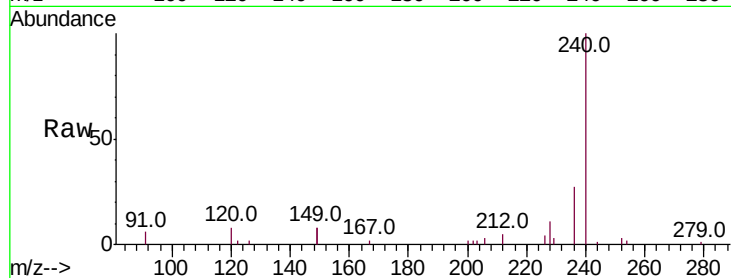
Tot Ion:240 Resp: 7311

Ion Ratio Lower Upper

240 100

120 7.9 5.5 8.3

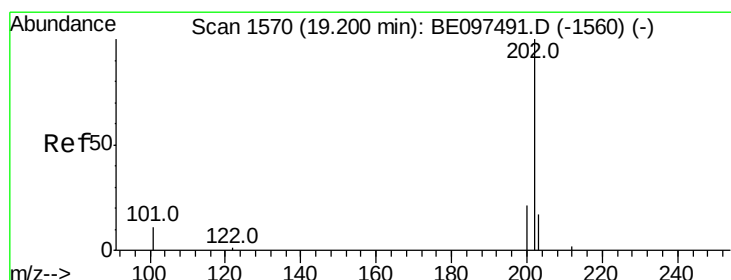
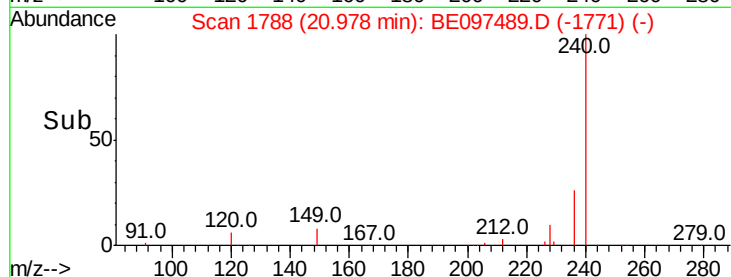
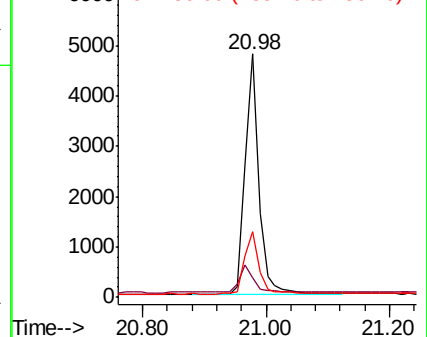
236 27.2 20.7 31.1



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: 0.122 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

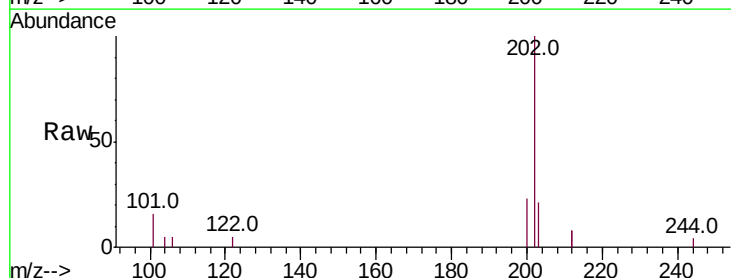
Tgt Ion:202 Resp: 2121

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

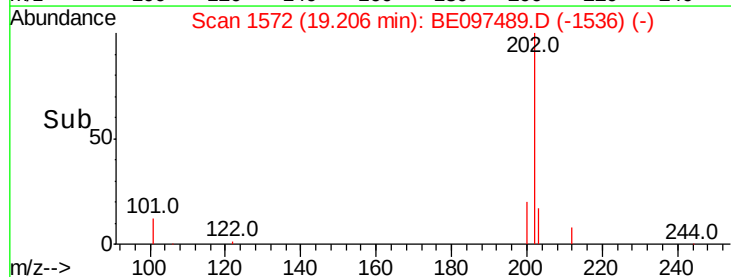
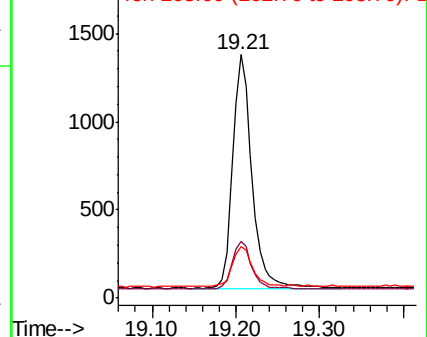
203 18.1 13.8 20.8

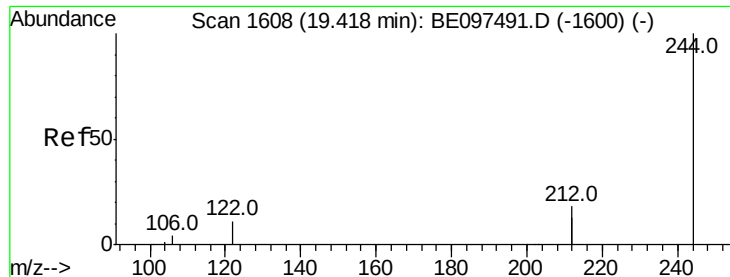


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.119 ng

RT: 19.42 min Scan# 1610

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

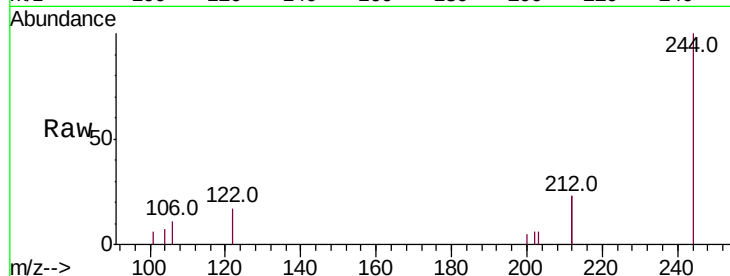
Tot Ion:244 Resp: 1611

Ion Ratio Lower Upper

244 100

212 46.8 25.4 38.0#

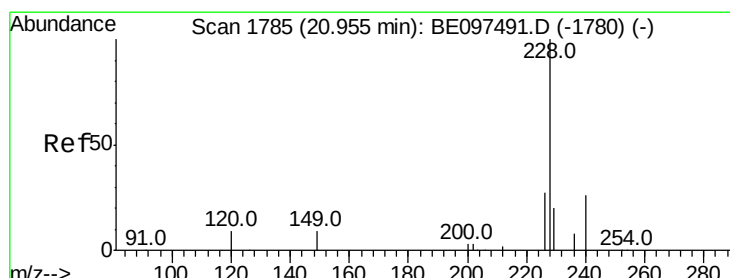
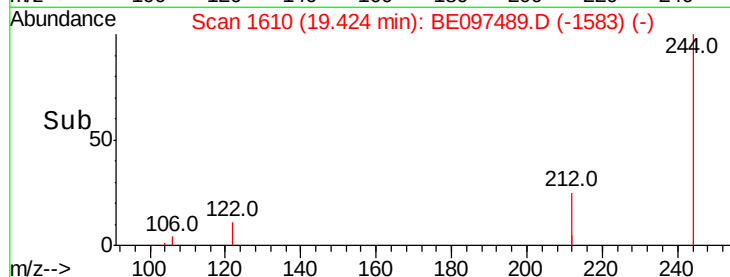
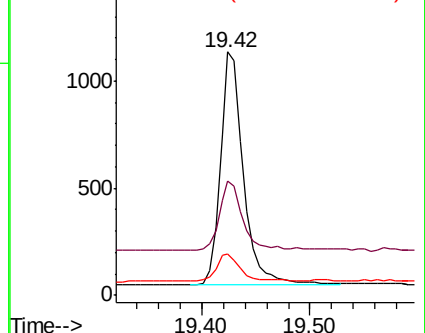
122 17.1 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.117 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

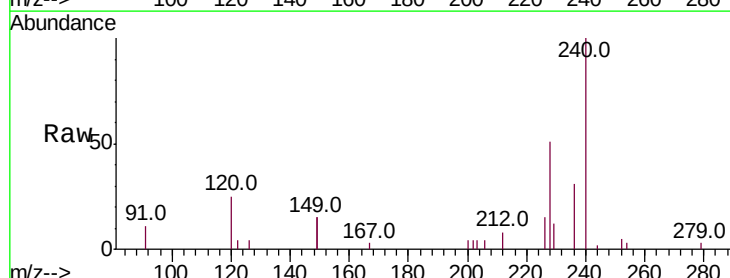
Tgt Ion:228 Resp: 2157

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

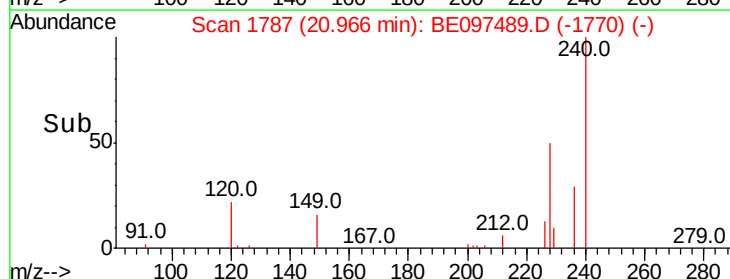
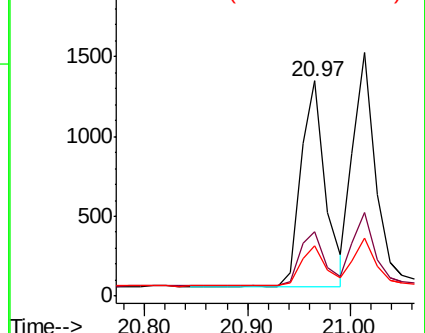
229 23.6 16.0 24.0

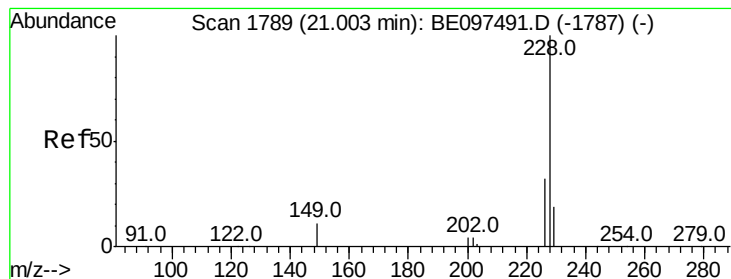


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.111 ng

RT: 21.01 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

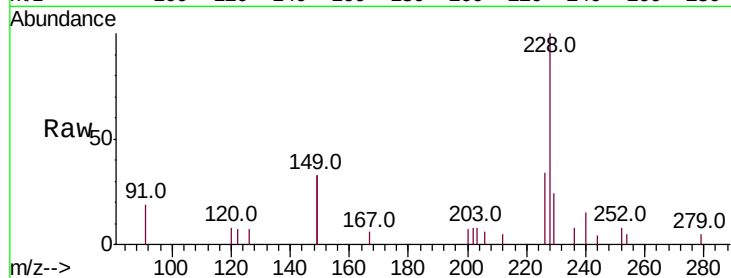
Tot Ion:228 Resp: 2203

Ion Ratio Lower Upper

228 100

226 34.1 24.0 36.0

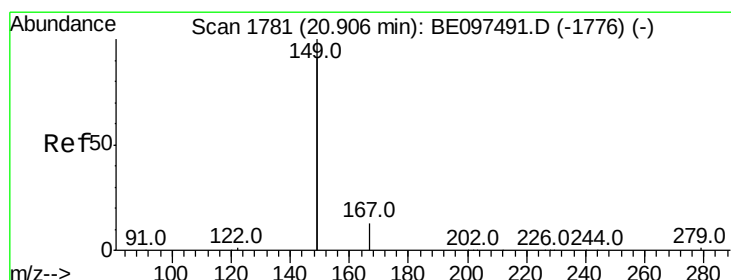
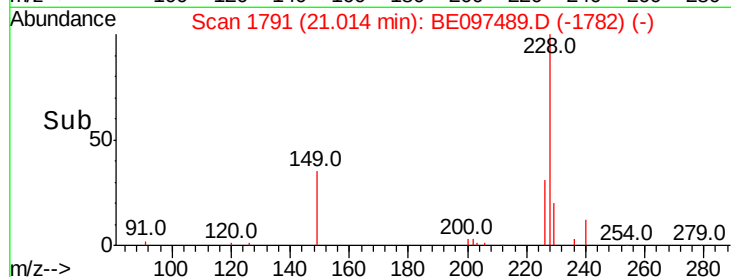
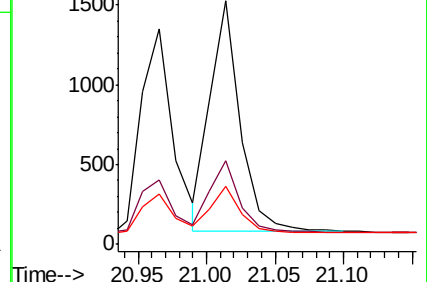
229 23.6 16.0 24.0



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: 0.162 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

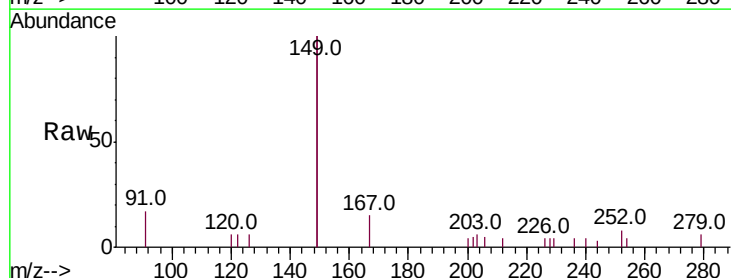
Tgt Ion:149 Resp: 4040

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

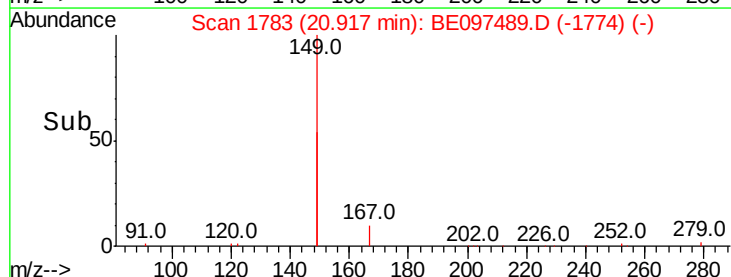
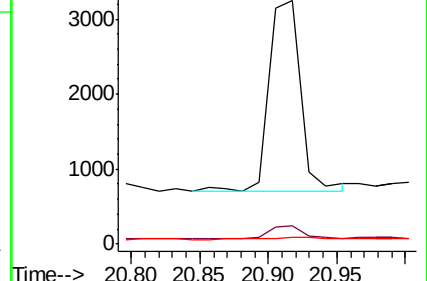
279 1.1 0.7 1.1#

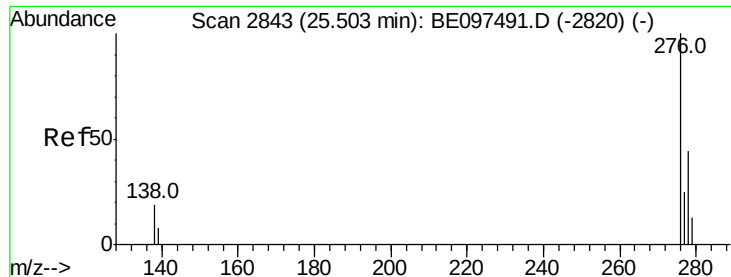


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.091 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.03 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

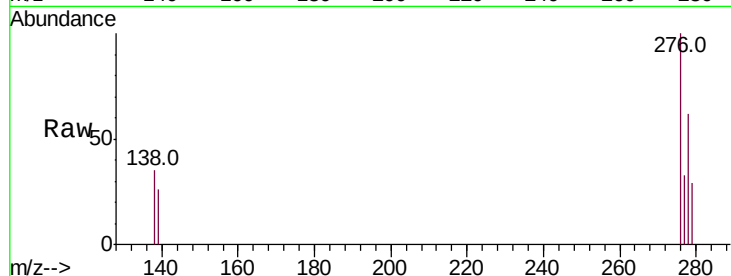
Tot Ion:276 Resp: 2575

Ion Ratio Lower Upper

276 100

138 25.7 22.5 33.7

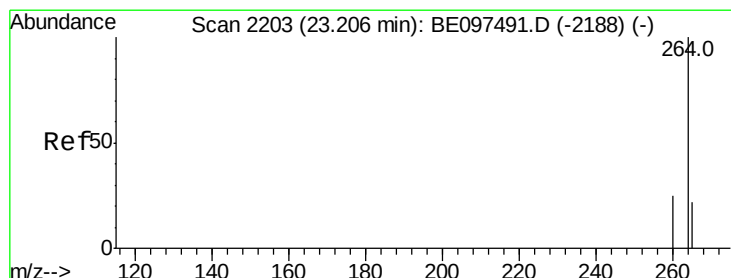
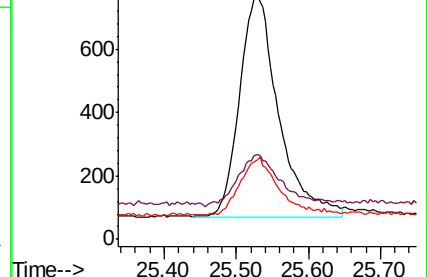
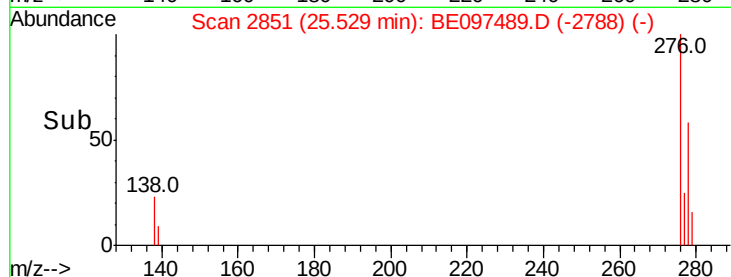
277 24.7 19.9 29.9



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: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

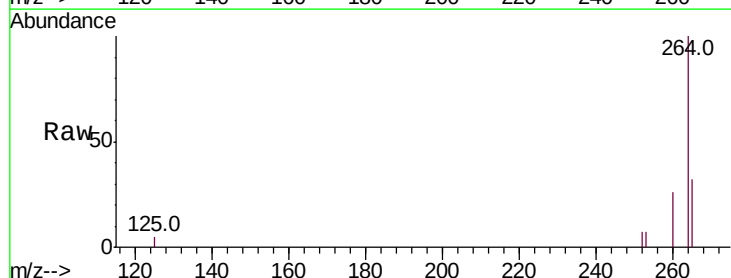
Tgt Ion:264 Resp: 7464

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

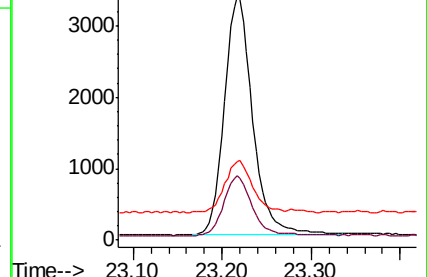
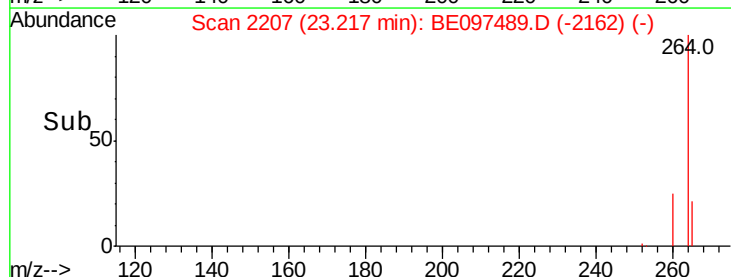
265 32.3 22.8 34.2

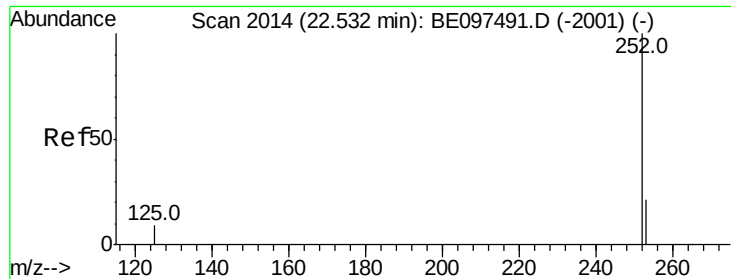


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.103 ng

RT: 22.54 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

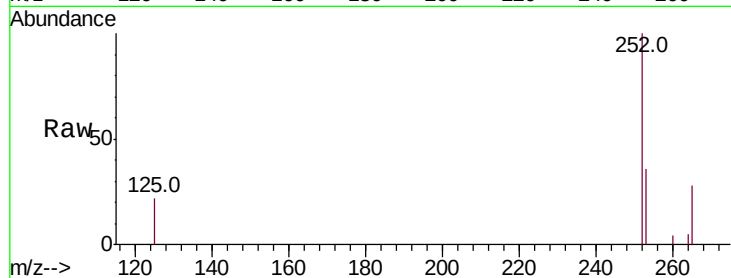
Tot Ion:252 Resp: 2191

Ion Ratio Lower Upper

252 100

253 35.6 20.0 30.0#

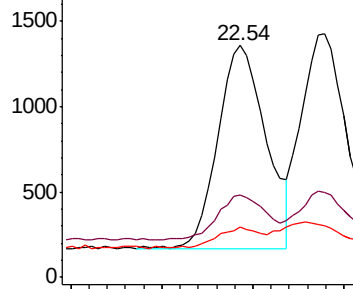
125 21.6 16.0 24.0



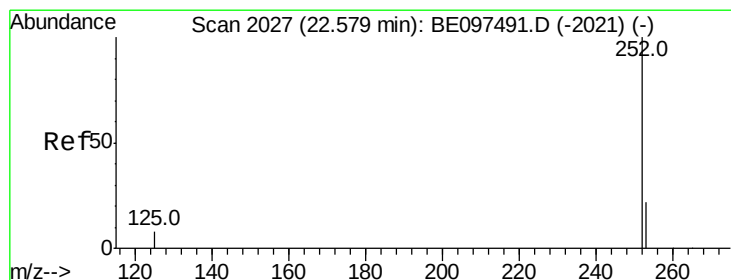
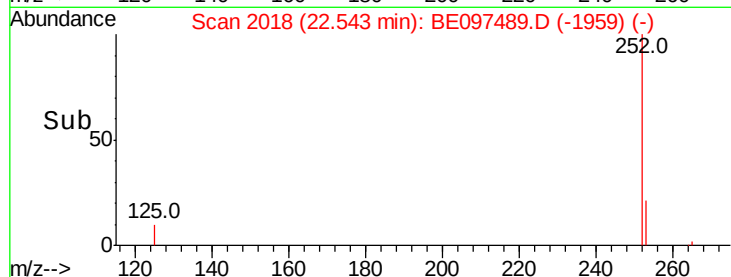
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.45 22.50 22.55



#36

Benzo(k)fluoranthene

Concen: 0.095 ng

RT: 22.59 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

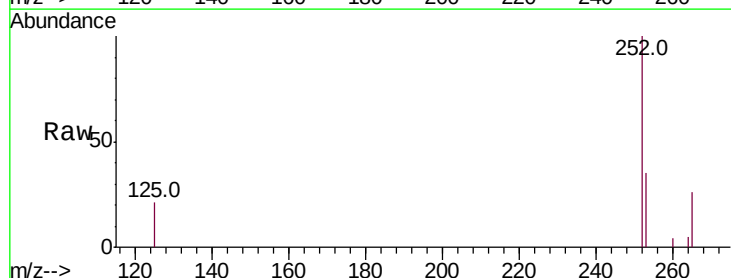
Tgt Ion:252 Resp: 2249

Ion Ratio Lower Upper

252 100

253 34.8 16.0 24.0#

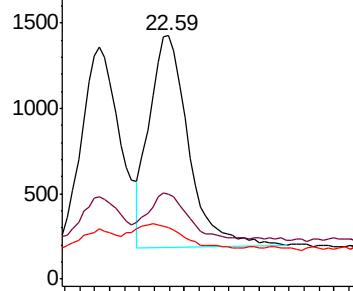
125 21.1 8.0 12.0#



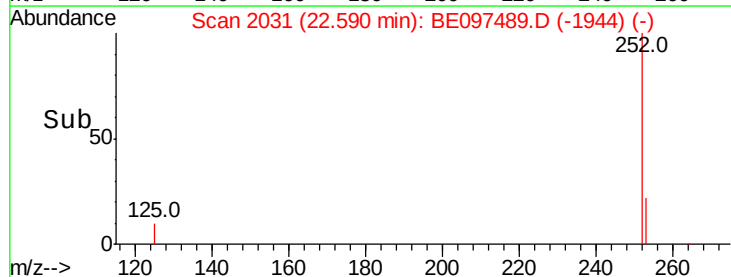
Abundance Ion 252.00 (251.70 to 252.70): E

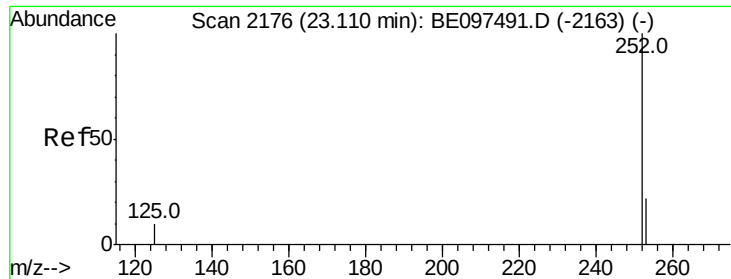
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.55 22.60 22.65 22.70





#37

Benzo(a)pyrene

Concen: 0.109 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

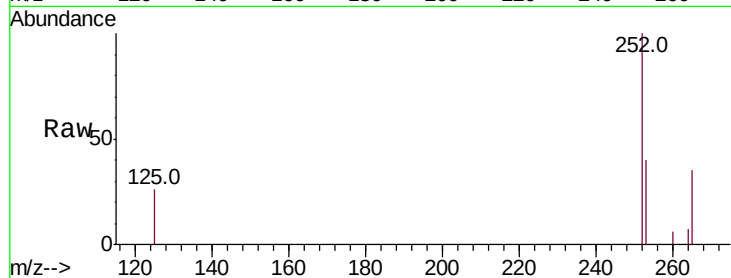
Tot Ion:252 Resp: 2090

Ion Ratio Lower Upper

252 100

253 40.4 16.0 24.0#

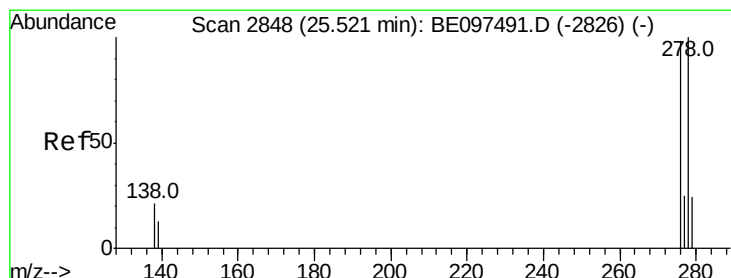
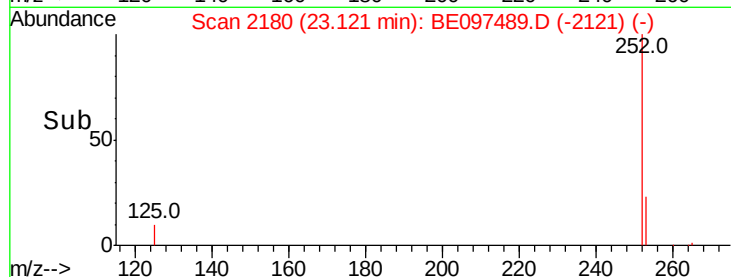
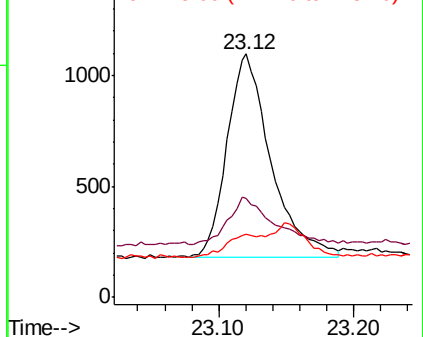
125 25.7 12.0 18.0#



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: 0.083 ng

RT: 25.55 min Scan# 2856

Delta R.T. 0.03 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

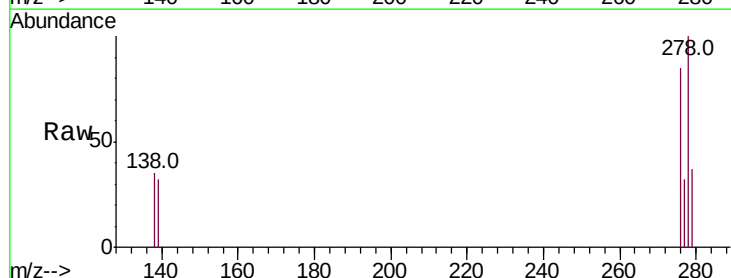
Tgt Ion:278 Resp: 2111

Ion Ratio Lower Upper

278 100

139 32.4 16.0 24.0#

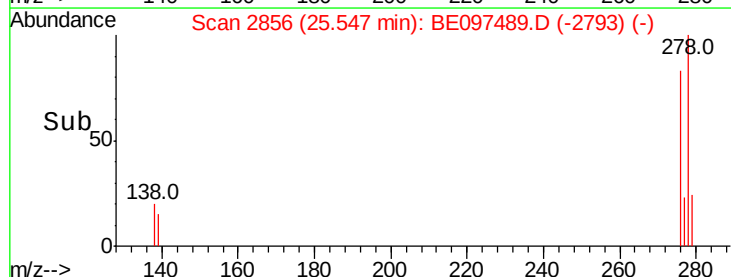
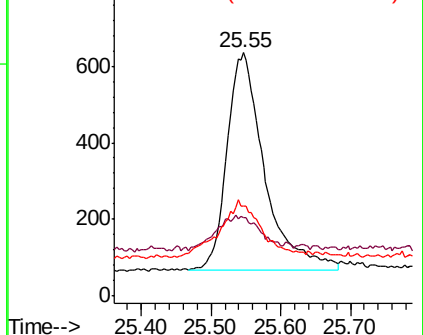
279 37.0 20.0 30.0#

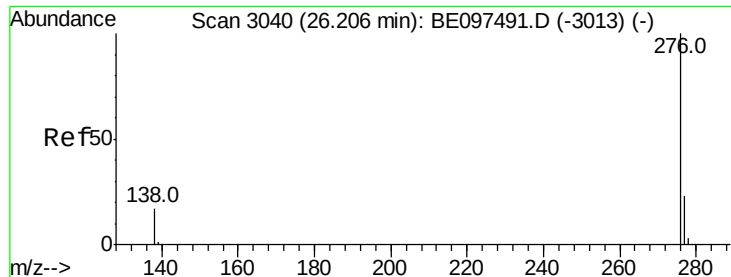


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.086 ng

RT: 26.23 min Scan# 3047

Delta R.T. 0.02 min

Lab File: BE097489.D

Acq: 17 Sep 2018 10:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

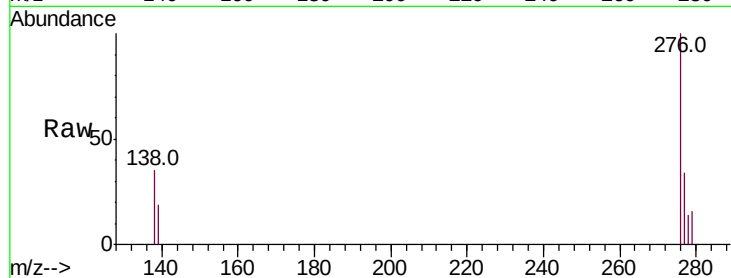
Tot Ion:276 Resp: 2246

Ion Ratio Lower Upper

276 100

277 34.3 16.0 24.0#

138 35.0 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

26.23

600

400

200

0

26.10 26.20 26.30 26.40

Time-->

