

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097495.D
 Acq On : 17 Sep 2018 14:01
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

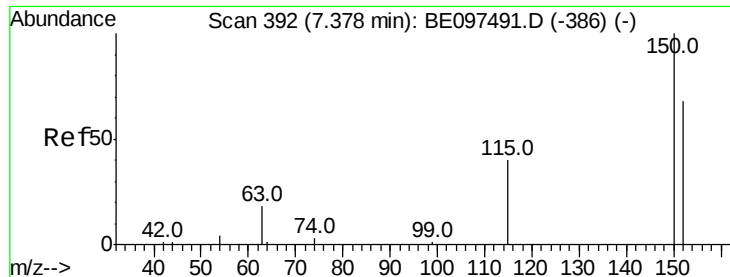
Quant Time: Sep 17 14:59:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 14:06:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1022	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4908	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2901	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7798	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9730	0.40	ng	0.00
34) Perylene-d12	23.21	264	9852	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1348	0.39	ng	0.00
5) Phenol-d6	6.59	99	1692	0.39	ng	-0.01
8) Nitrobenzene-d5	8.52	82	1475	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	11.72	152	2841	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	558	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	4167	0.41	ng	0.00
25) Fluoranthene-d10	18.80	212	37070	0.40	ng	0.00
29) Terphenyl-d14	19.42	244	7722	0.41	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	694	0.393	ng	# 86
3) n-Nitrosodimethylamine	3.38	42	628	0.425	ng	# 97
6) bis(2-Chloroethyl)ether	6.82	93	1404	0.400	ng	80
9) Naphthalene	10.17	128	18333	0.411	ng	100
10) Hexachlorobutadiene	10.46	225	856	0.405	ng	95
12) 2-Methylnaphthalene	11.80	142	2922	0.410	ng	96
16) Acenaphthylene	13.72	152	4756	0.377	ng	100
17) Acenaphthene	14.06	154	3187	0.409	ng	97
18) Fluorene	15.06	166	4029	0.406	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1434	0.381	ng	# 85
21) Hexachlorobenzene	16.07	284	1589	0.398	ng	# 84
22) Pentachlorophenol	16.46	266	183	0.403	ng	90
23) Phenanthrene	16.80	178	7537	0.411	ng	98
24) Anthracene	16.89	178	6697	0.395	ng	96
26) Fluoranthene	18.83	202	9487	0.397	ng	99
28) Pyrene	19.20	202	10371	0.414	ng	100
30) Benzo(a)anthracene	20.95	228	9931	0.388	ng	97
31) Chrysene	21.00	228	10980	0.418	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	21094	0.388	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	12898	0.412	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	10247	0.407	ng	# 91
36) Benzo(k)fluoranthene	22.58	252	11148	0.406	ng	# 91
37) Benzo(a)pyrene	23.11	252	10095	0.403	ng	# 91
38) Dibenzo(a,h)anthracene	25.52	278	10757	0.412	ng	94
39) Benzo(g,h,i)perylene	26.21	276	10628	0.399	ng	# 88

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

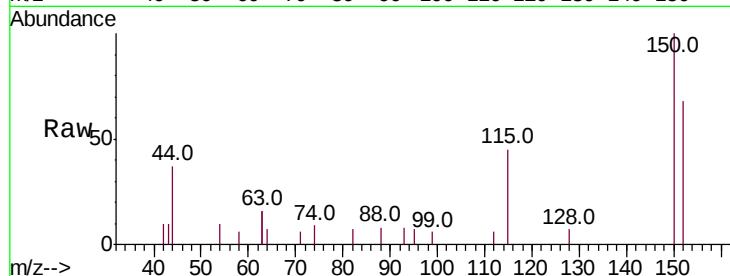


#1

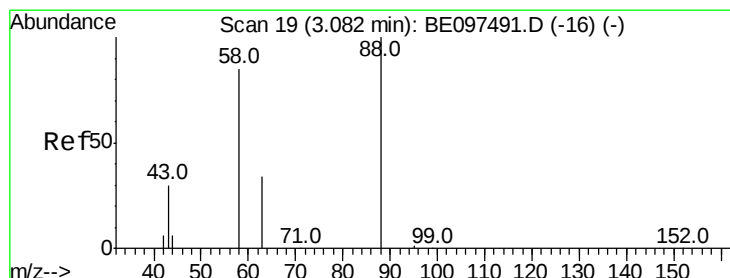
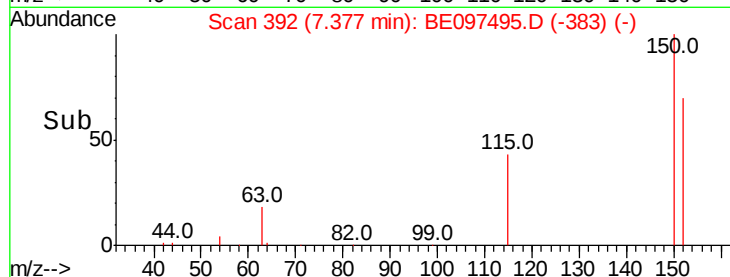
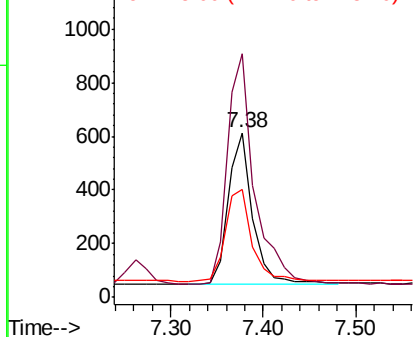
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097495.D
Acq: 17 Sep 2018 14:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1022
Ion Ratio Lower Upper
152 100
150 148.0 117.2 175.8
115 65.9 57.0 85.6



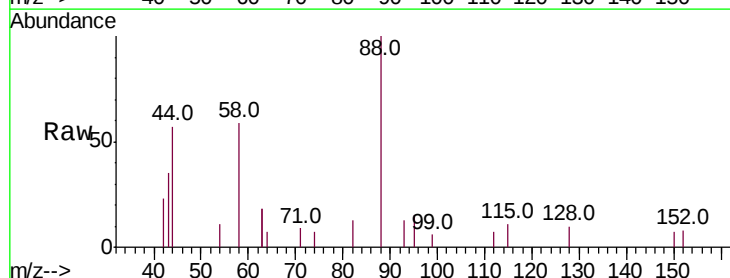
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



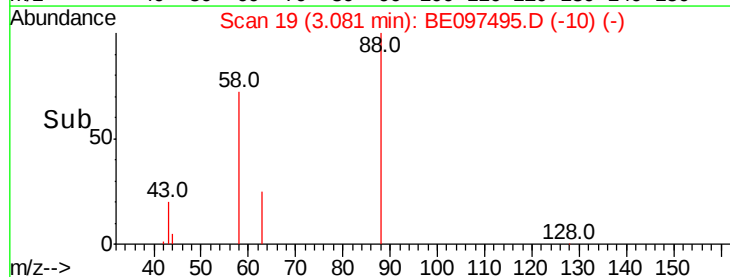
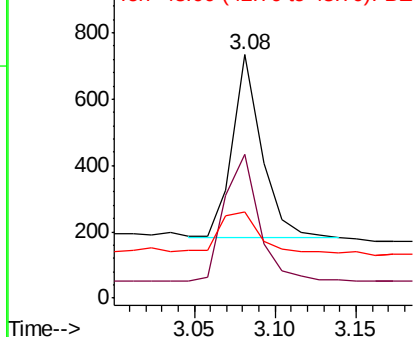
#2

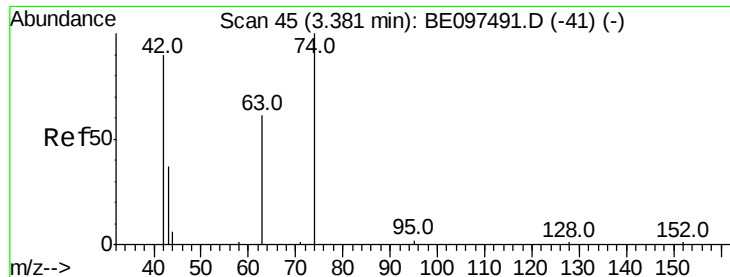
1,4-Dioxane
Concen: 0.393 ng
RT: 3.08 min Scan# 19
Delta R.T. -0.00 min
Lab File: BE097495.D
Acq: 17 Sep 2018 14:01

Tgt Ion: 88 Resp: 694
Ion Ratio Lower Upper
88 100
58 82.1 63.2 94.8
43 29.8 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: 0.425 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampled :

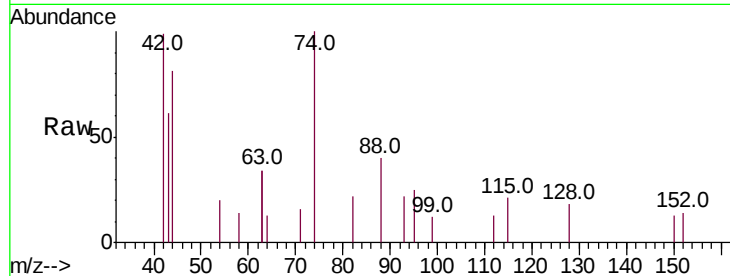
Tot Ion: 42 Resp: 628

Ion Ratio Lower Upper

42 100

74 120.7 96.0 144.0

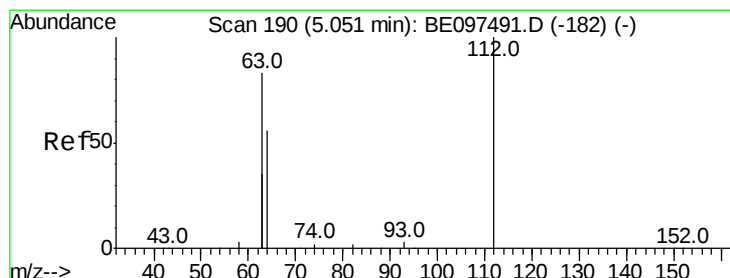
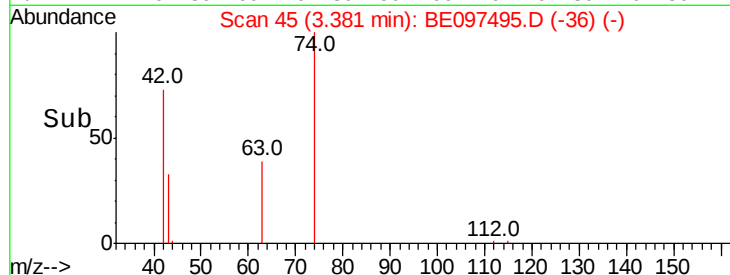
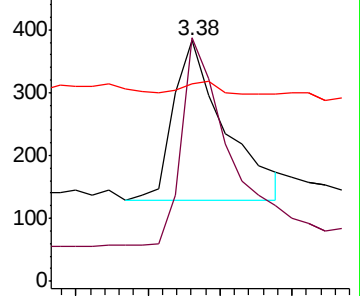
44 5.1 12.0 18.0#



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: BE097495.D

Acq: 17 Sep 2018 14:01

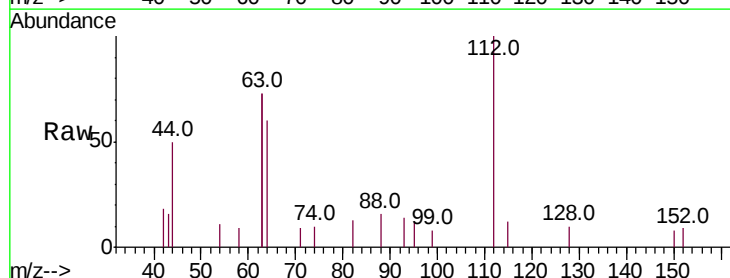
Tgt Ion: 112 Resp: 1348

Ion Ratio Lower Upper

112 100

64 65.9 60.1 90.1

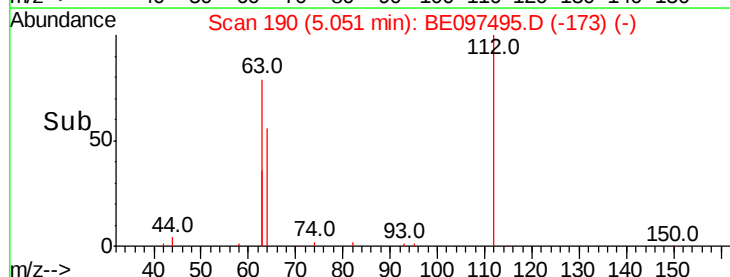
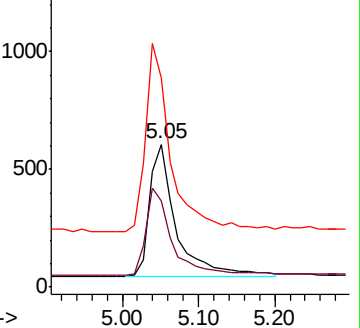
63 136.4 116.8 175.2

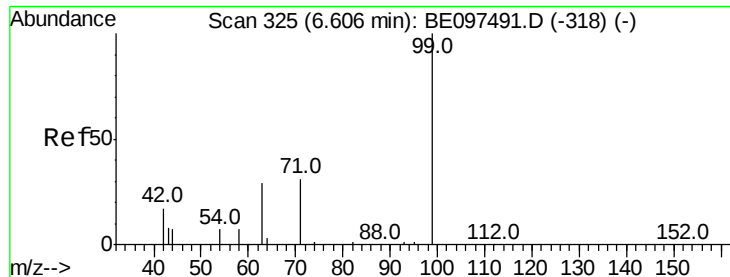


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.385 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.01 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

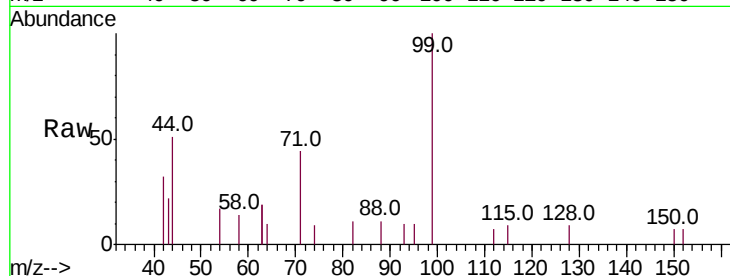
Tot Ion: 99 Resp: 1692

Ion Ratio Lower Upper

99 100

42 23.0 20.2 30.2

71 34.9 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

6.59

800

600

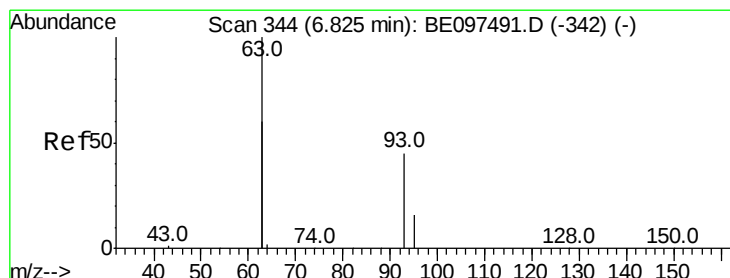
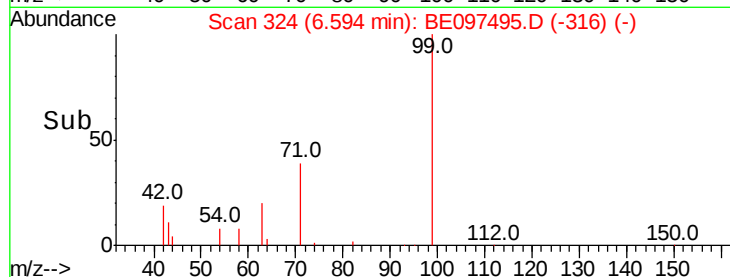
400

200

0

6.50 6.55 6.60 6.65 6.70

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

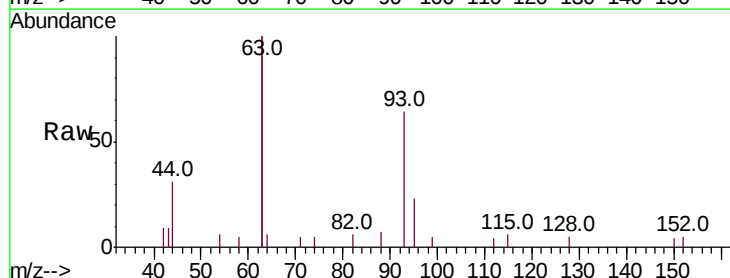
Tgt Ion: 93 Resp: 1404

Ion Ratio Lower Upper

93 100

63 298.4 275.3 412.9

95 33.3 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

3000

2500

2000

1500

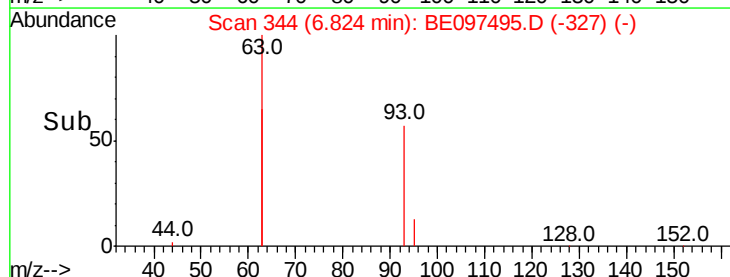
1000

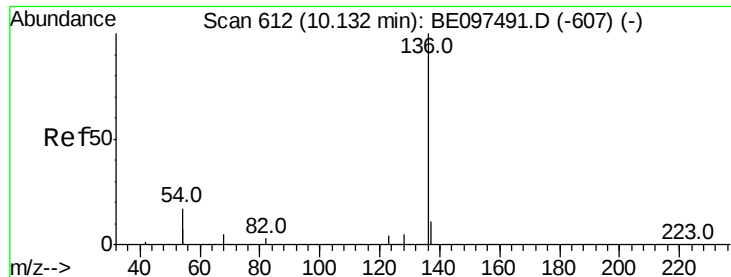
500

0

6.80 6.82 6.84 6.86 6.88 6.90 6.92 6.94 6.96 6.98 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4908

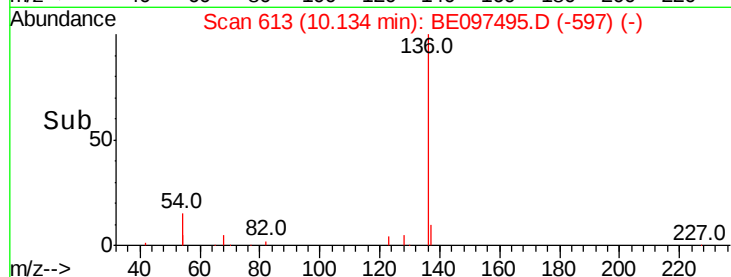
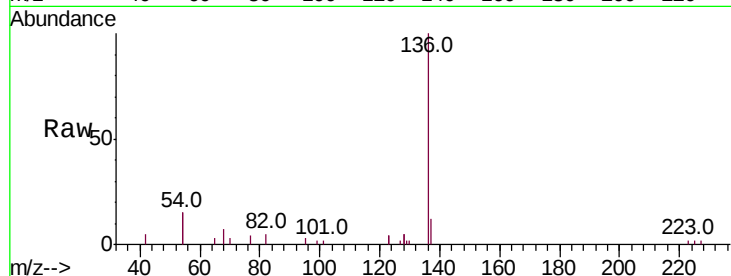
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 29.9 29.1 43.7

68 7.1 6.2 9.2

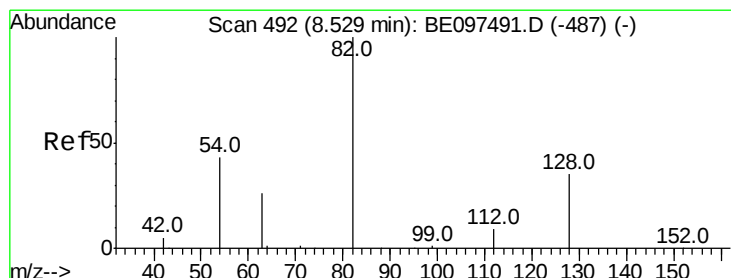
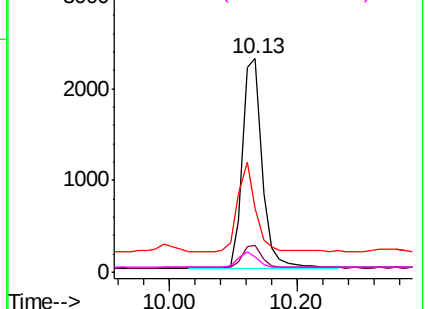


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.373 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

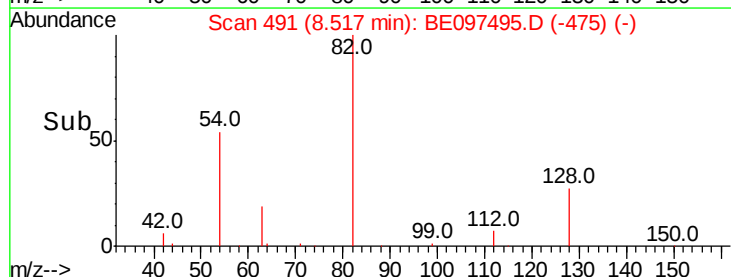
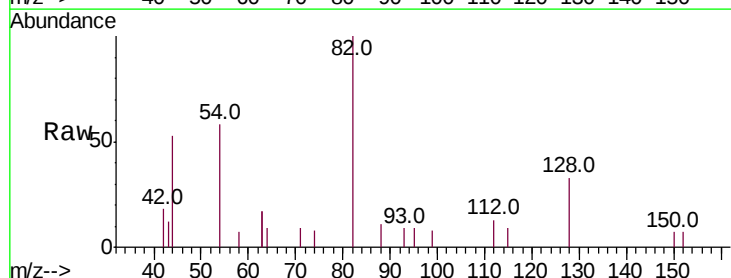
Tgt Ion: 82 Resp: 1475

Ion Ratio Lower Upper

82 100

128 32.9 24.0 36.0

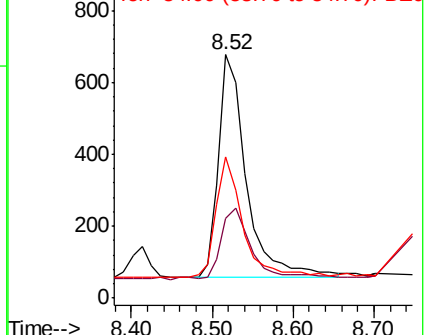
54 57.9 40.0 60.0

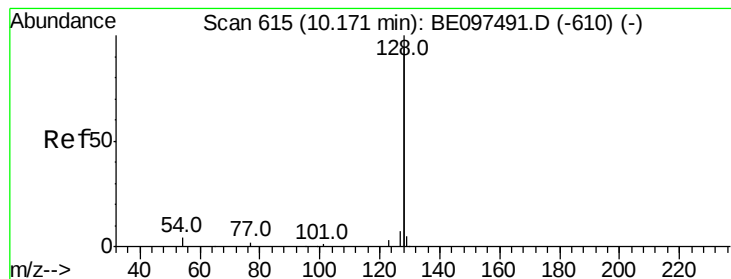


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.411 ng

RT: 10.17 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

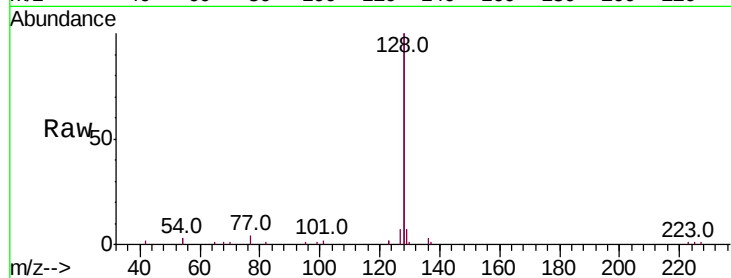
Tot Ion:128 Resp: 18333

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

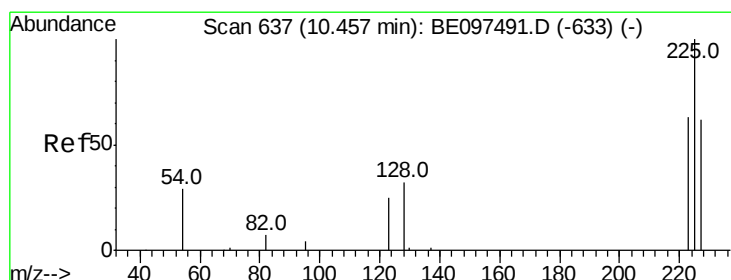
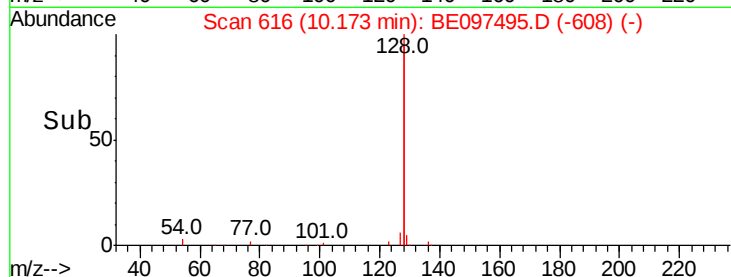
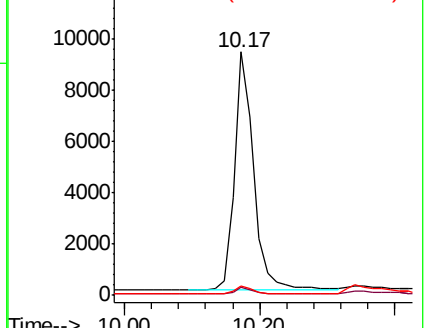
127 3.6 2.8 4.2



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: 0.405 ng

RT: 10.46 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

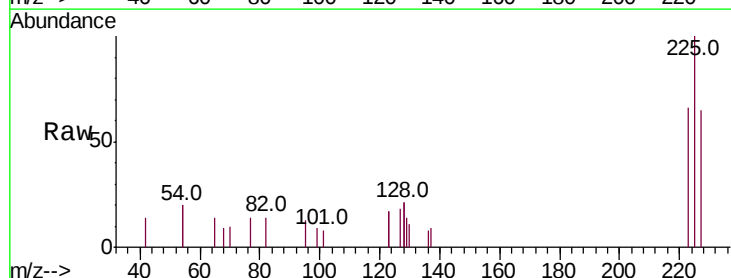
Tgt Ion:225 Resp: 856

Ion Ratio Lower Upper

225 100

223 60.9 53.0 79.6

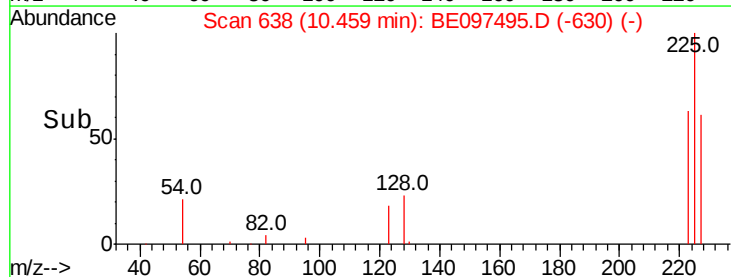
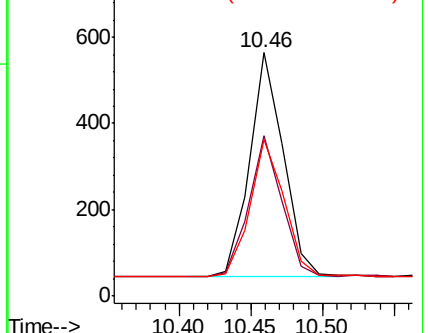
227 61.7 51.4 77.2

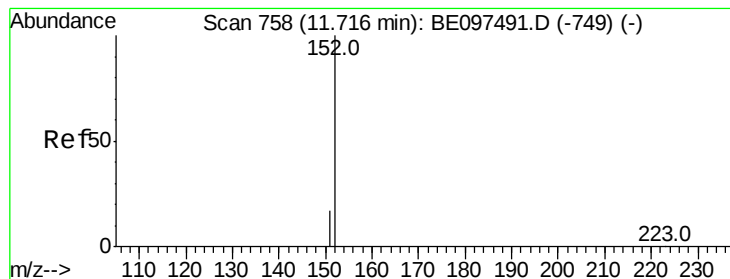


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

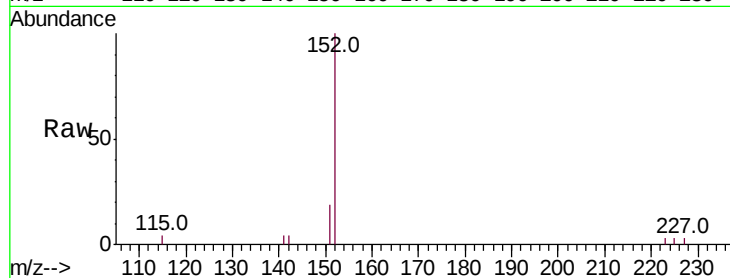
ClientSampleId :

Tot Ion:152 Resp: 2841

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

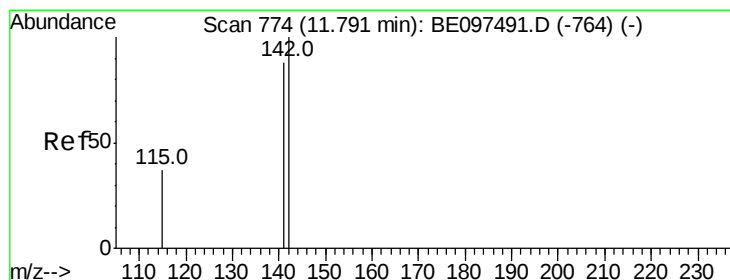
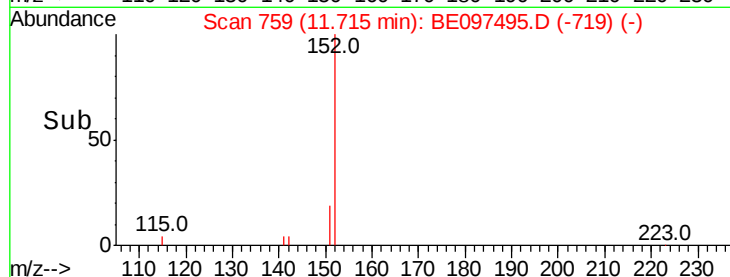
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.410 ng

RT: 11.80 min Scan# 776

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

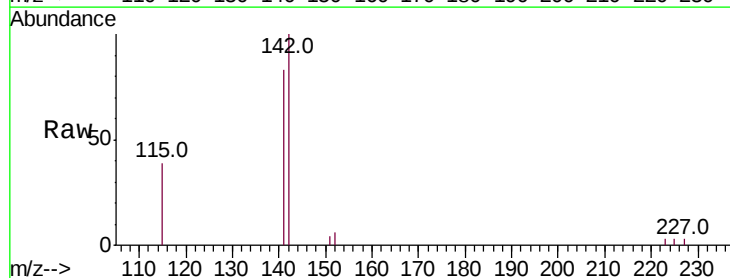
Tgt Ion:142 Resp: 2922

Ion Ratio Lower Upper

142 100

141 83.2 70.4 105.6

115 39.4 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

11.80

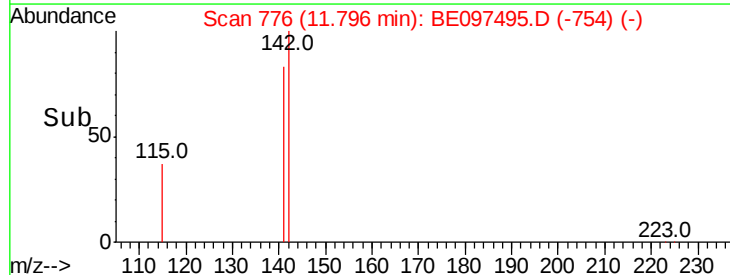
1500

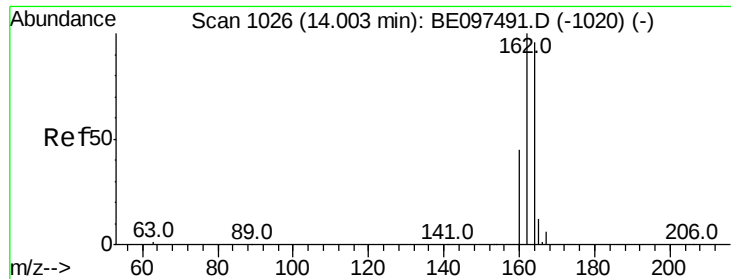
1000

500

0

Time--> 11.70 11.80 11.90

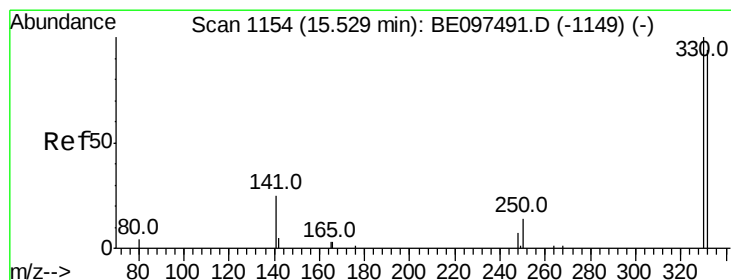
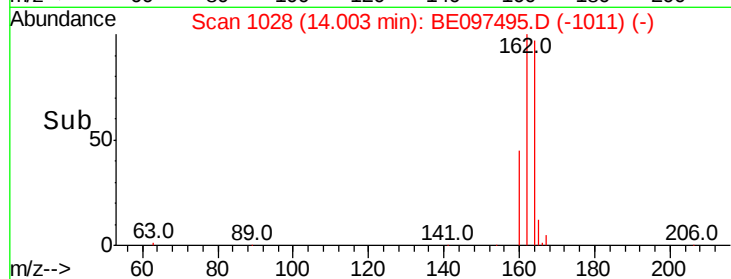
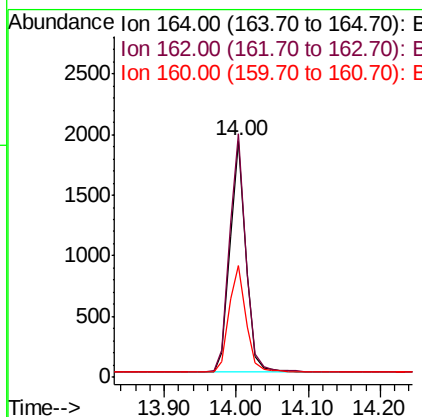
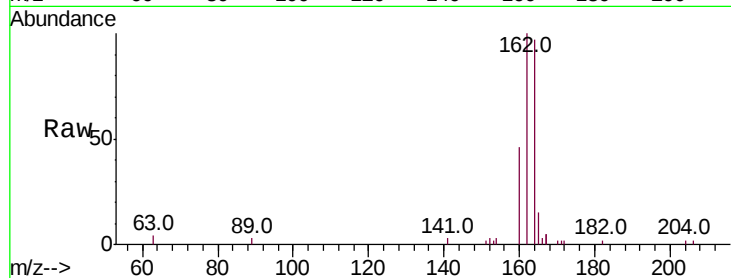




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097495.D
 Acq: 17 Sep 2018 14:01

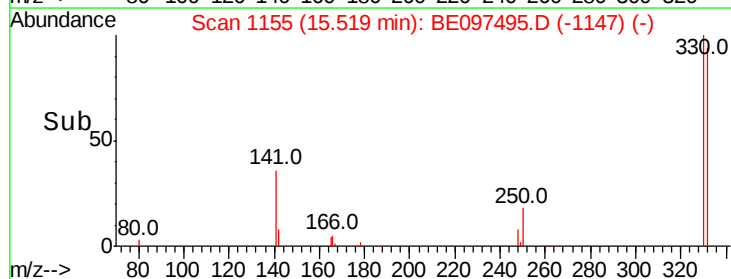
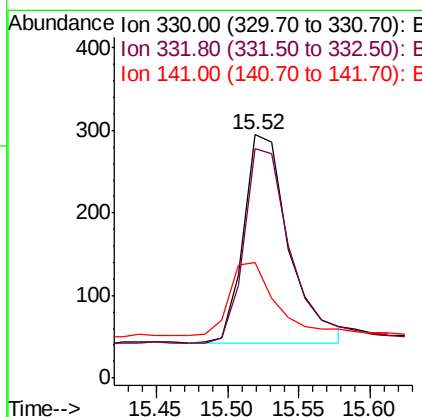
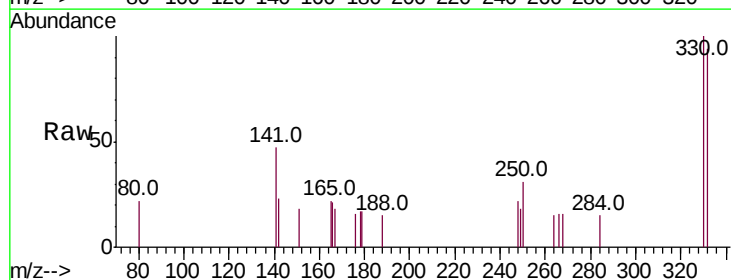
Instrument :
 BNA_E
 ClientSampleId :

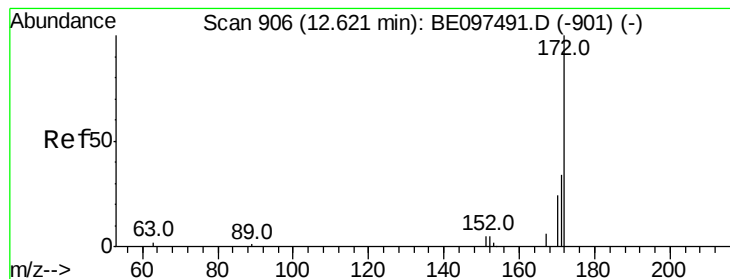
Tot Ion:164 Resp: 2901
 Ion Ratio Lower Upper
 164 100
 162 102.9 83.1 124.7
 160 47.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.364 ng
 RT: 15.52 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BE097495.D
 Acq: 17 Sep 2018 14:01

Tgt Ion:330 Resp: 558
 Ion Ratio Lower Upper
 330 100
 332 94.8 152.7 229.1#
 141 34.6 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.411 ng

RT: 12.62 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

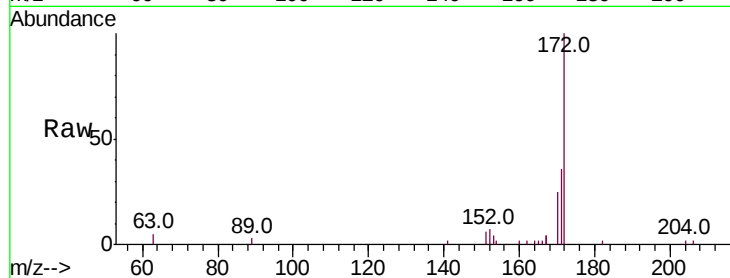
Tot Ion:172 Resp: 4167

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

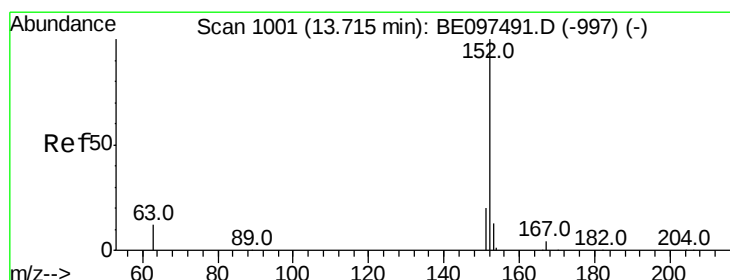
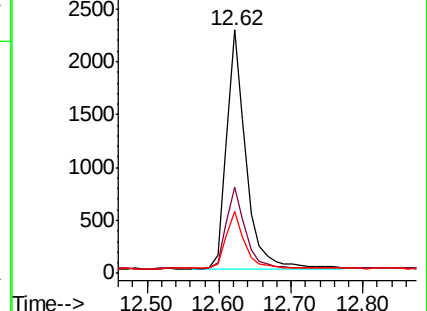
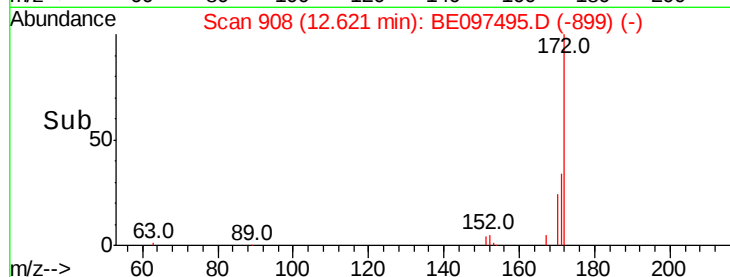
170 25.2 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.377 ng

RT: 13.72 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

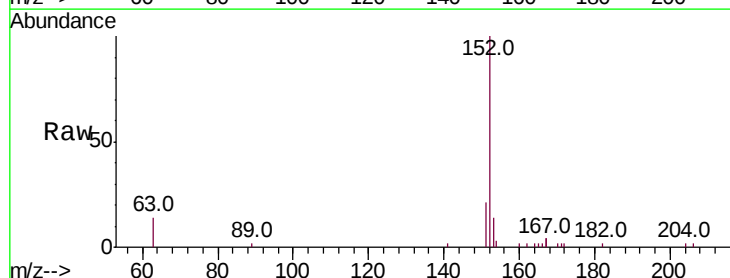
Tgt Ion:152 Resp: 4756

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

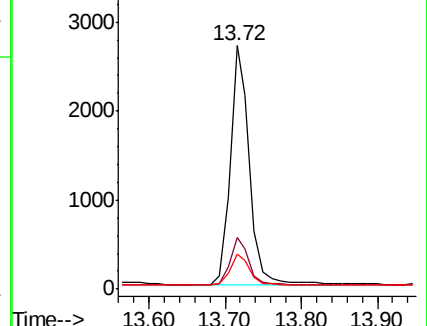
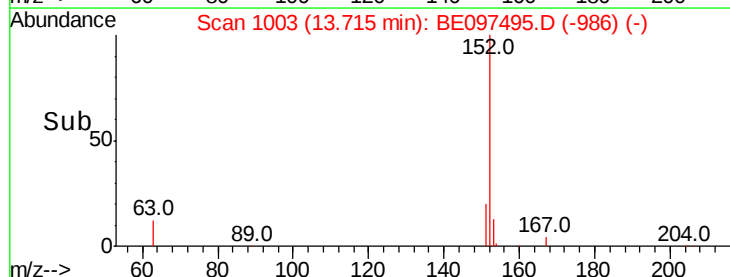
153 13.1 10.5 15.7

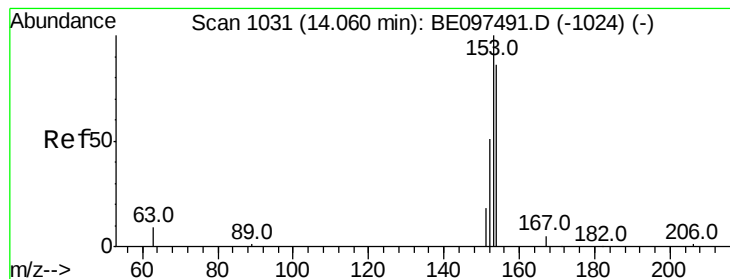


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.409 ng

RT: 14.06 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

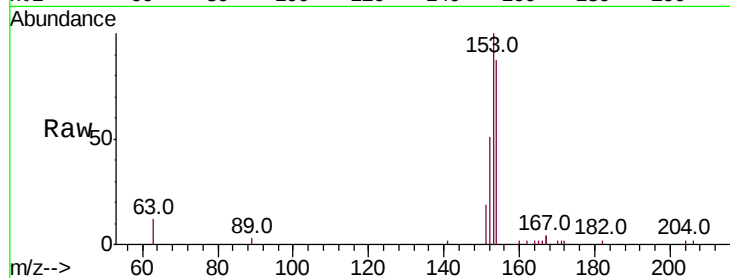
Tot Ion:154 Resp: 3187

Ion Ratio Lower Upper

154 100

153 112.8 89.2 133.8

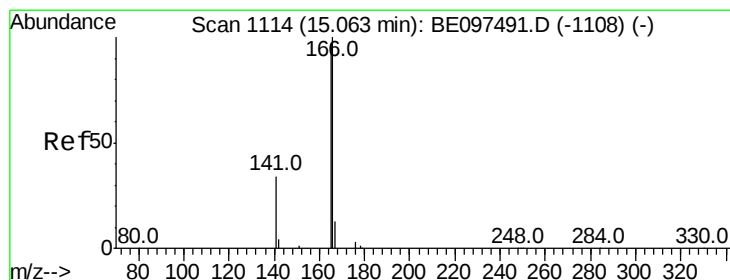
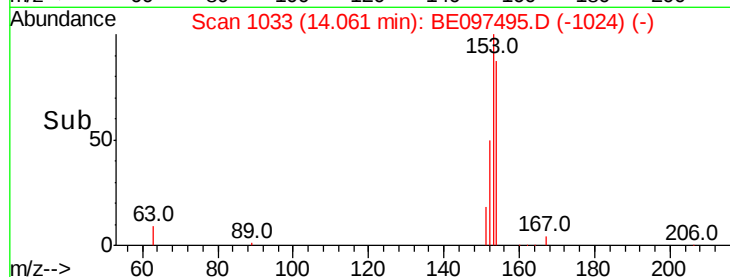
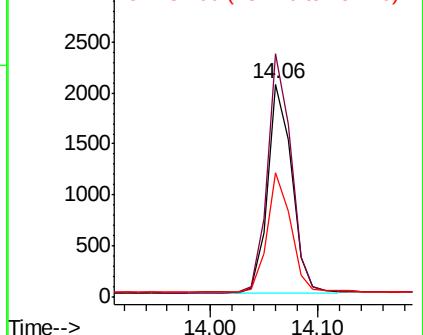
152 56.2 42.0 63.0



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: 0.406 ng

RT: 15.06 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

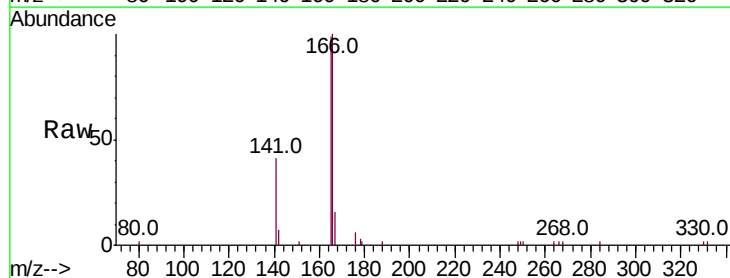
Tgt Ion:166 Resp: 4029

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.6

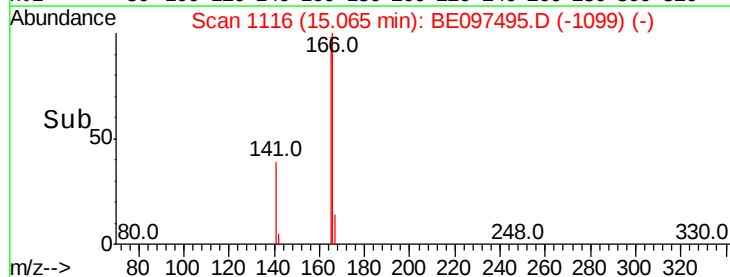
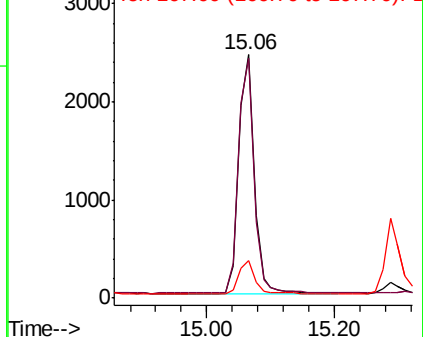
167 13.9 42.4 63.6#

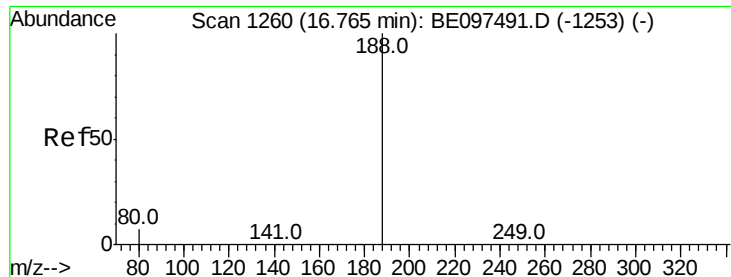


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.75 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

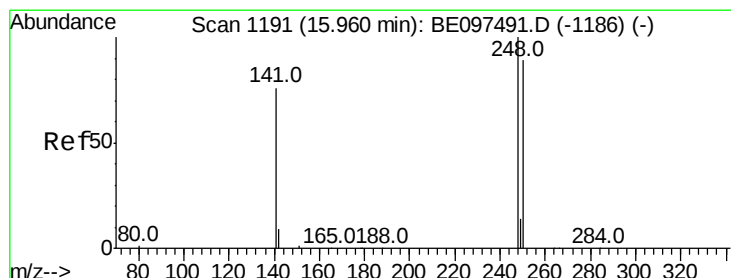
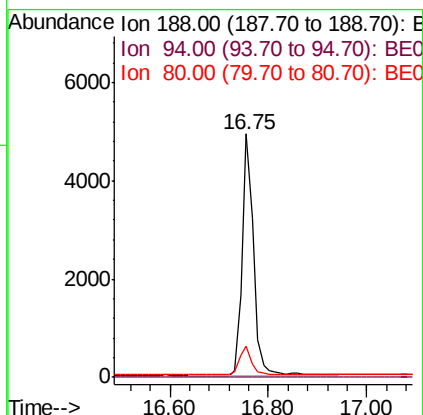
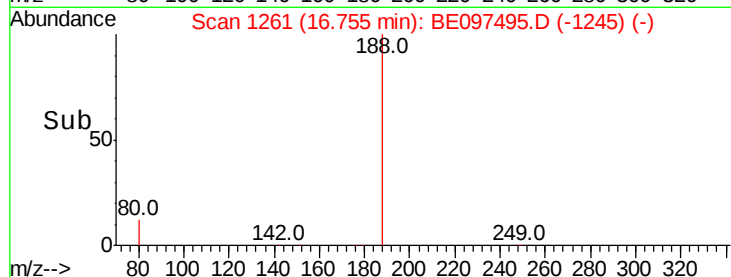
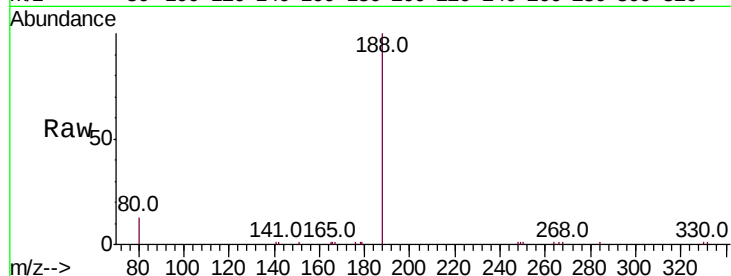
Tot Ion:188 Resp: 7798

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 12.9 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.381 ng

RT: 15.96 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

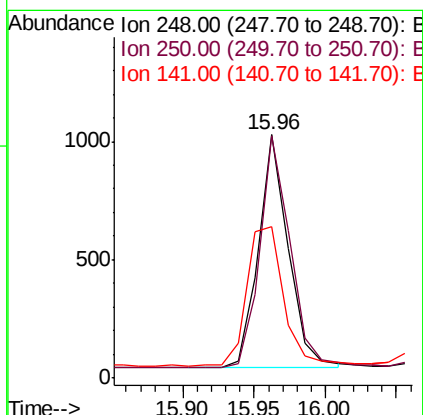
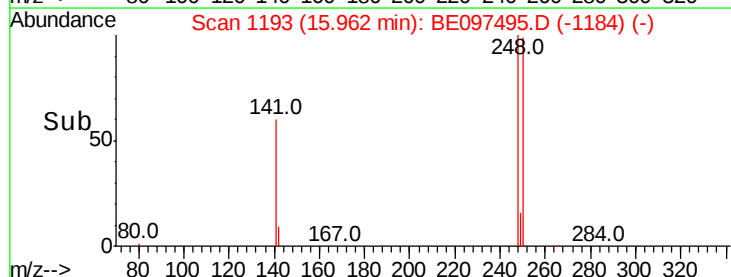
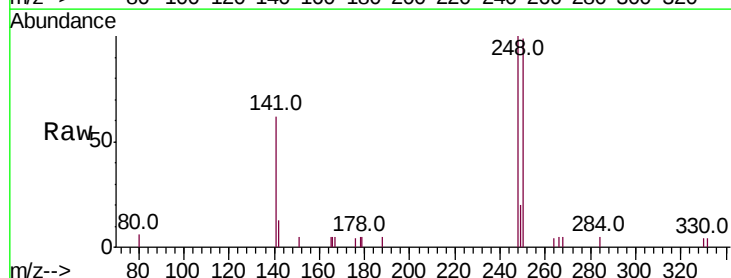
Tgt Ion:248 Resp: 1434

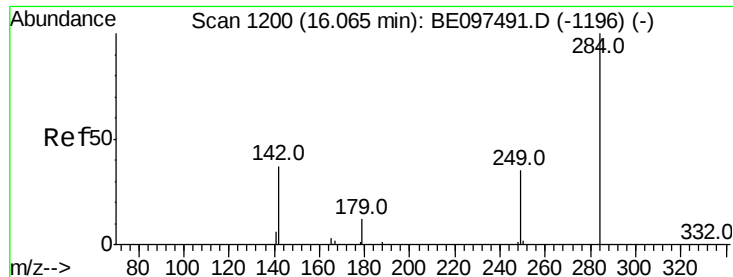
Ion Ratio Lower Upper

248 100

250 99.4 62.7 94.1#

141 62.3 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.398 ng

RT: 16.07 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampled :

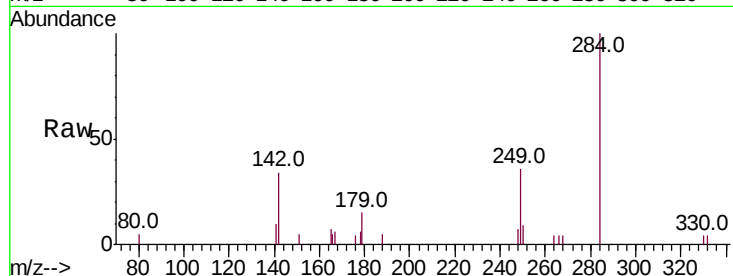
Tot Ion:284 Resp: 1589

Ion Ratio Lower Upper

284 100

142 32.5 22.1 33.1

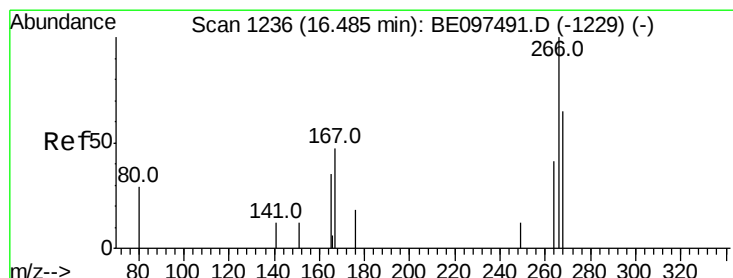
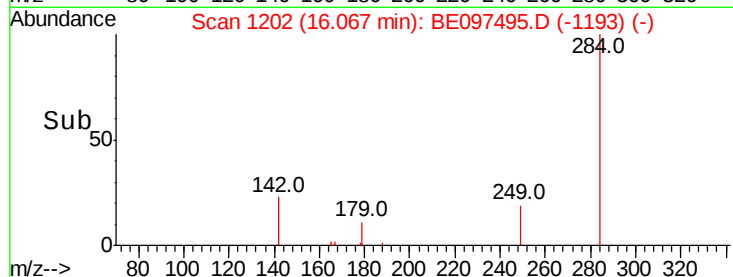
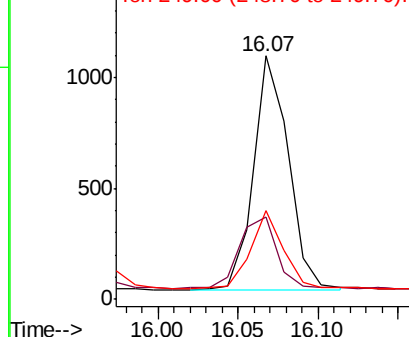
249 30.6 34.8 52.2#



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: 0.403 ng

RT: 16.46 min Scan# 1236

Delta R.T. -0.02 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

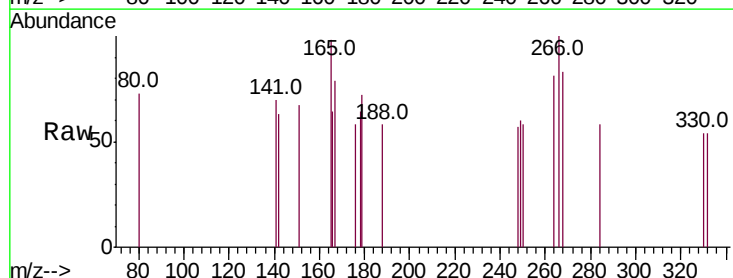
Tgt Ion:266 Resp: 183

Ion Ratio Lower Upper

266 100

264 81.5 72.5 108.7

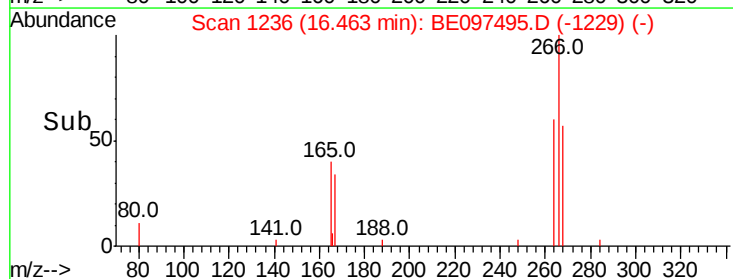
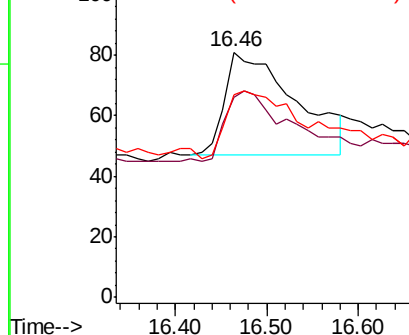
268 82.7 73.8 110.6

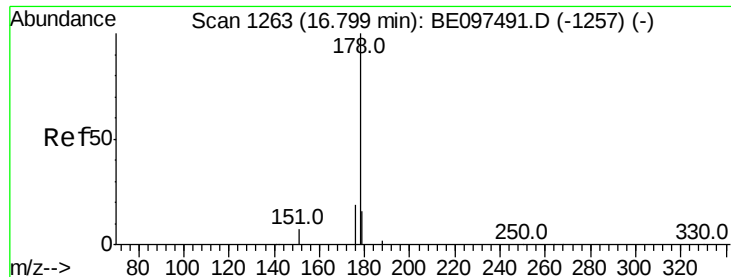


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.411 ng

RT: 16.80 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

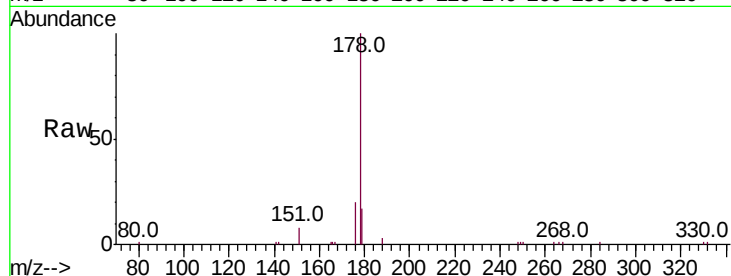
Tot Ion:178 Resp: 7537

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

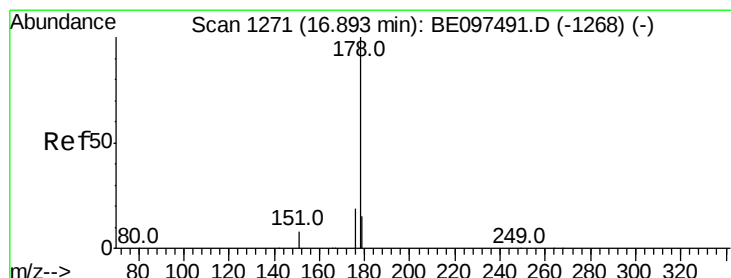
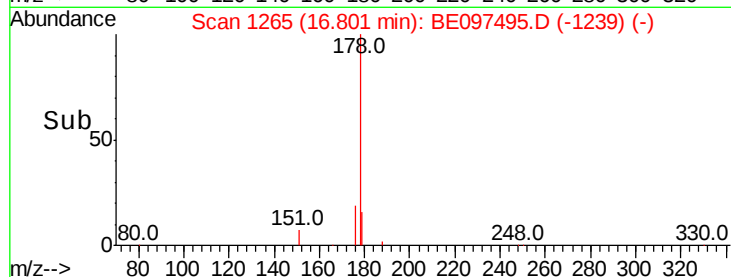
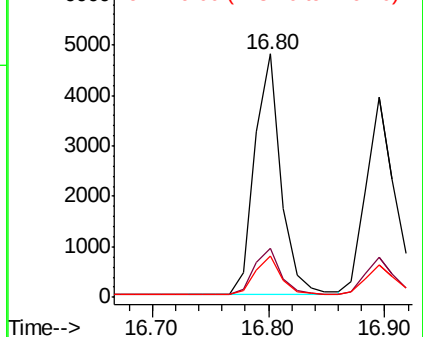
179 15.7 11.8 17.6



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: 0.395 ng

RT: 16.89 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

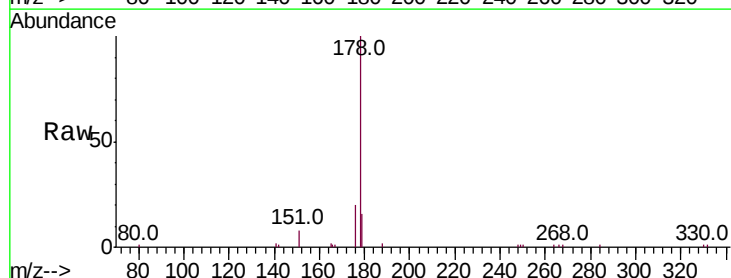
Tgt Ion:178 Resp: 6697

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

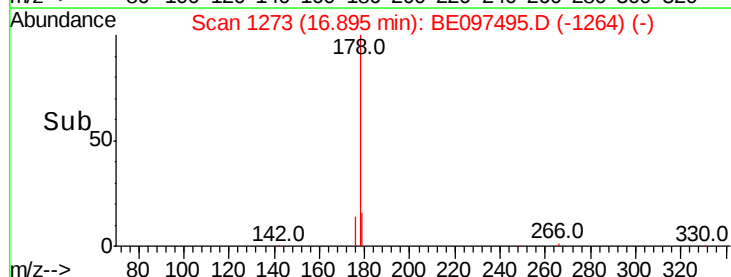
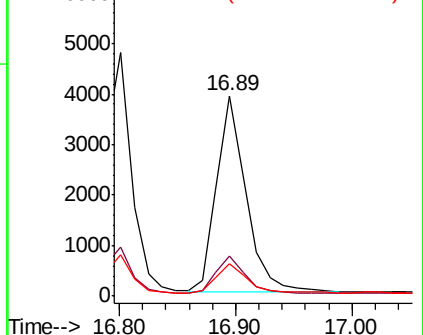
179 15.5 13.0 19.6

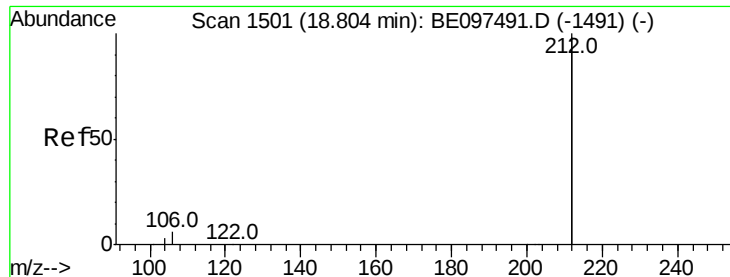


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

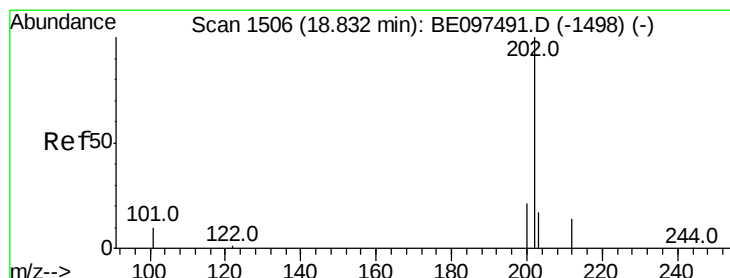
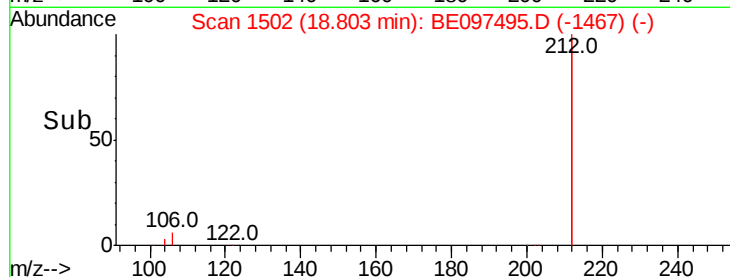
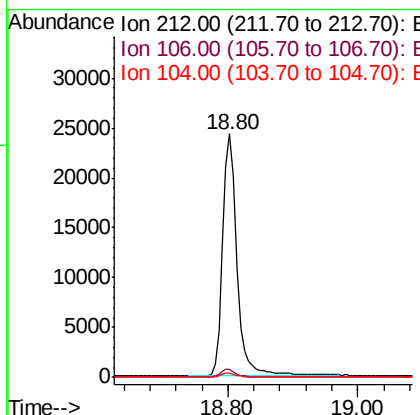
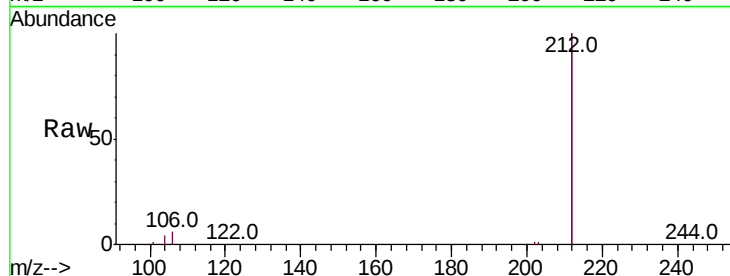




#25
 Fluoranthene-d10
 Concen: 0.396 ng
 RT: 18.80 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BE097495.D
 Acq: 17 Sep 2018 14:01

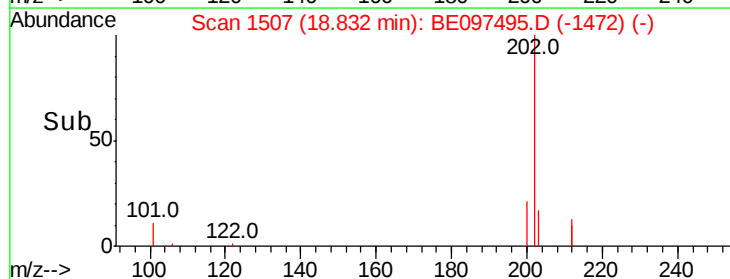
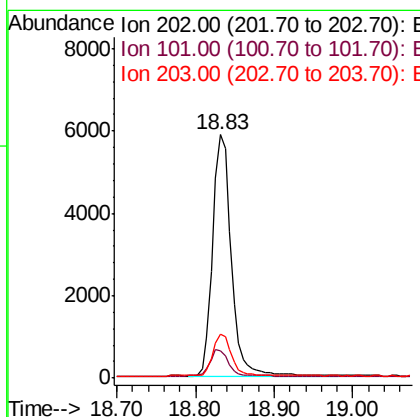
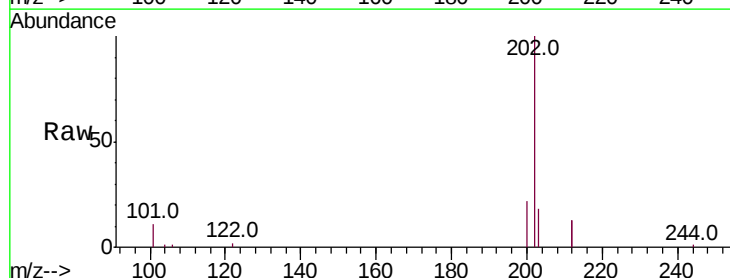
Instrument :
 BNA_E
 ClientSampleId :

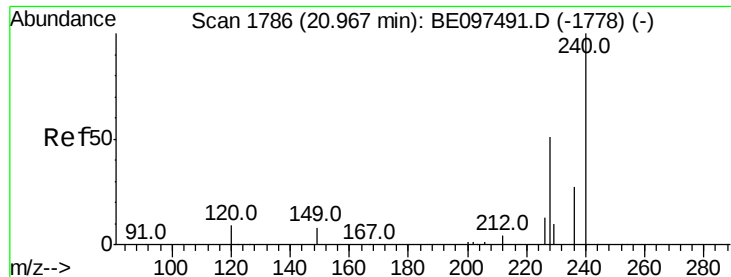
Tot Ion:212 Resp: 37070
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.8 4.2
 104 1.7 1.6 2.4



#26
 Fluoranthene
 Concen: 0.397 ng
 RT: 18.83 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: BE097495.D
 Acq: 17 Sep 2018 14:01

Tgt Ion:202 Resp: 9487
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.8 14.8
 203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

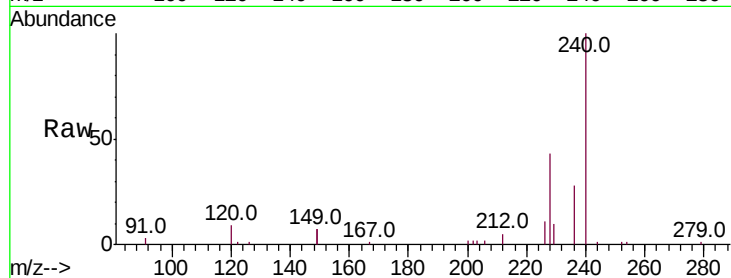
Tot Ion:240 Resp: 9730

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

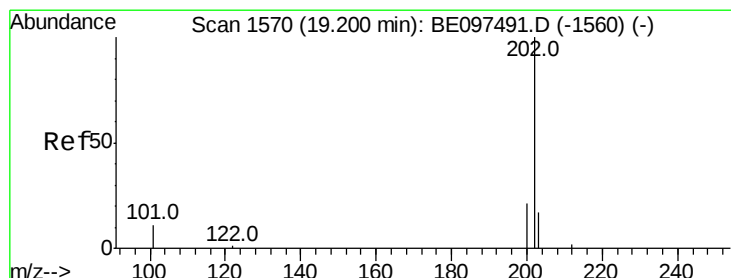
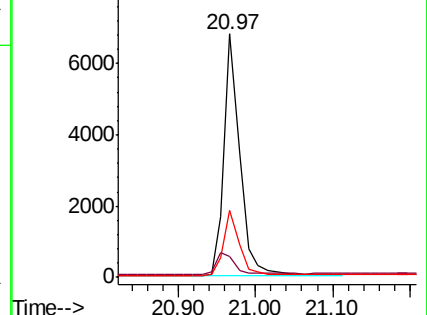
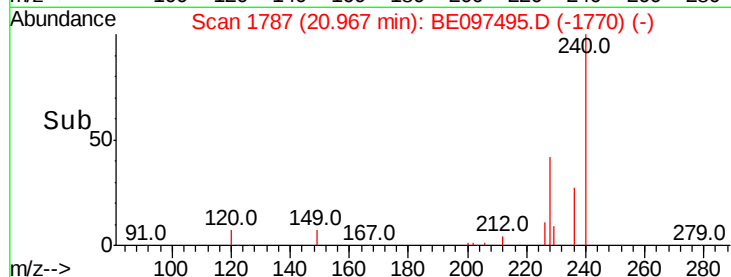
236 27.7 20.7 31.1



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: 0.414 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

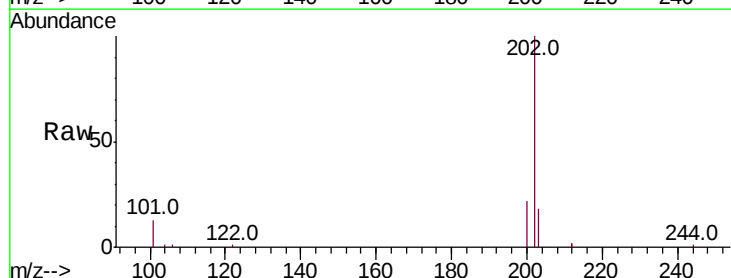
Tgt Ion:202 Resp: 10371

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

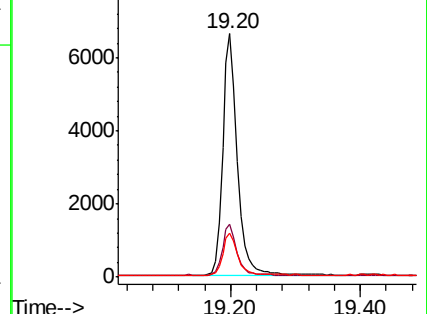
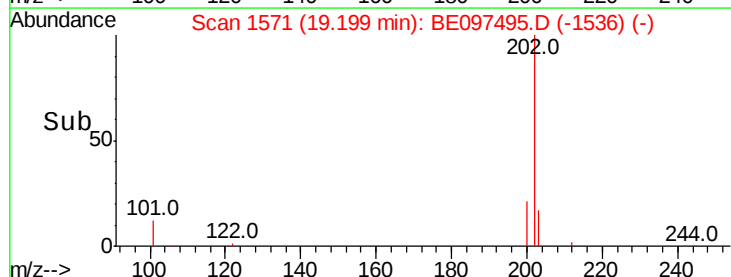
203 17.5 13.8 20.8

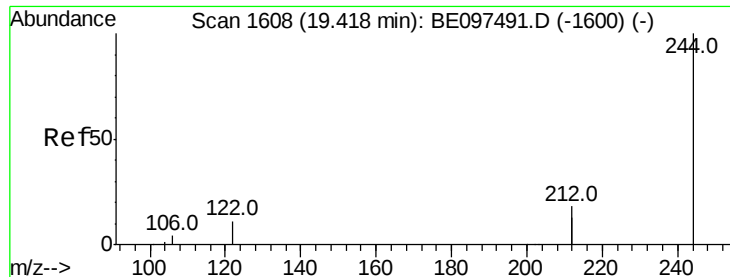


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.415 ng

RT: 19.42 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

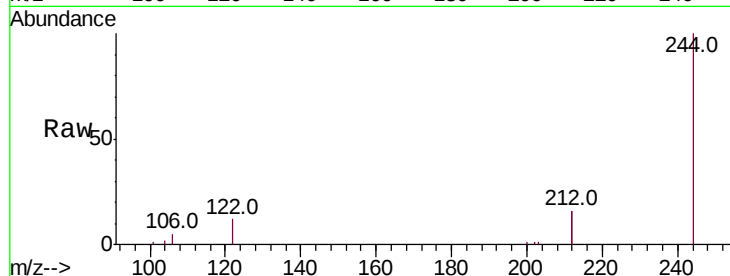
Tot Ion:244 Resp: 7722

Ion Ratio Lower Upper

244 100

212 32.1 25.4 38.0

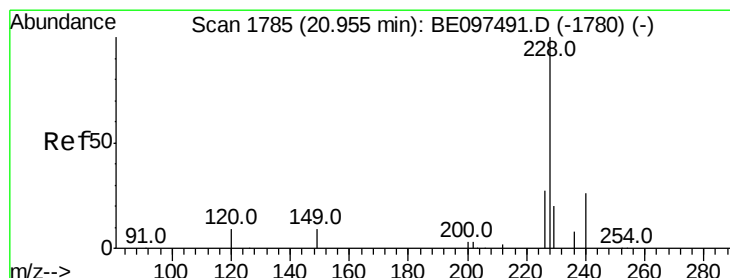
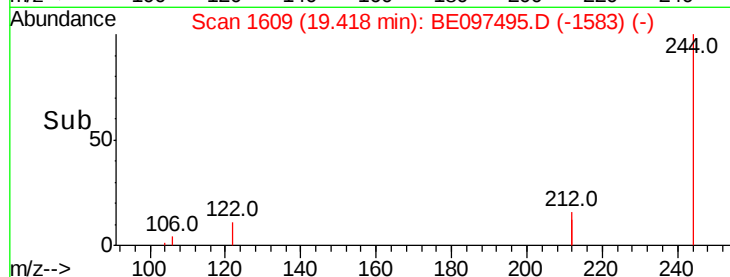
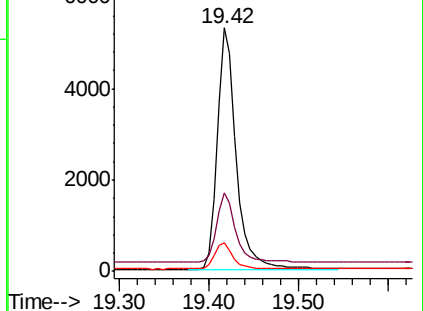
122 11.5 8.1 12.1



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: 0.388 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

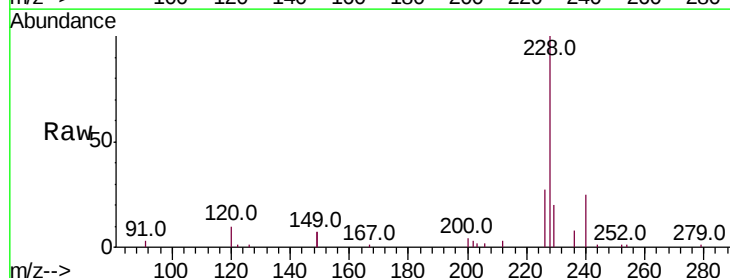
Tgt Ion:228 Resp: 9931

Ion Ratio Lower Upper

228 100

226 27.2 24.0 36.0

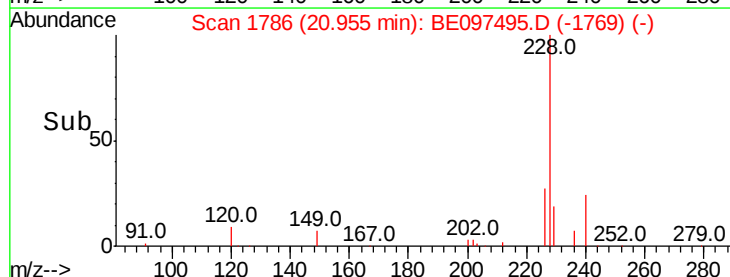
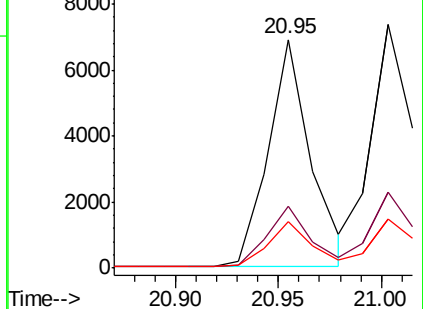
229 20.2 16.0 24.0

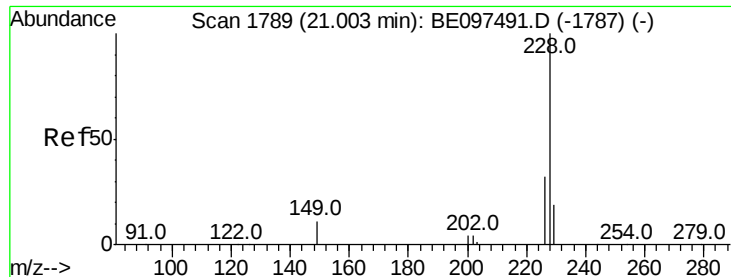


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.418 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

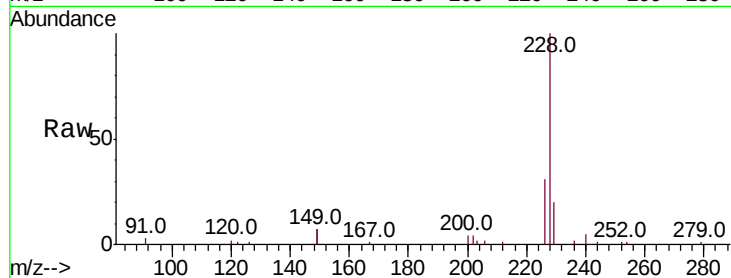
Tot Ion:228 Resp: 10980

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

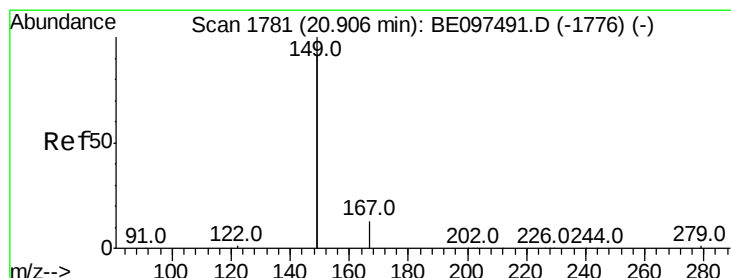
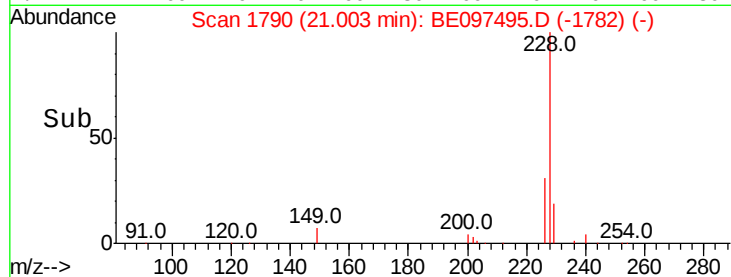
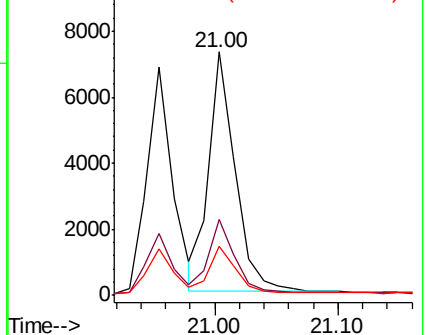
229 20.1 16.0 24.0



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: 0.388 ng

RT: 20.91 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

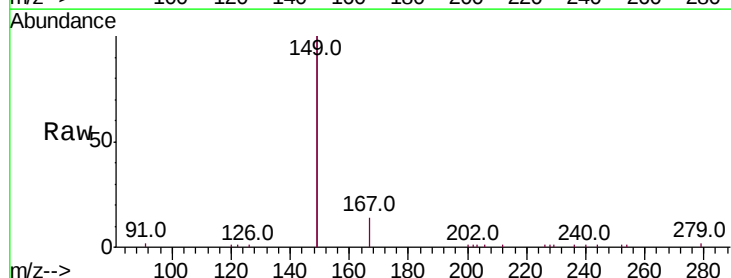
Tgt Ion:149 Resp: 21094

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

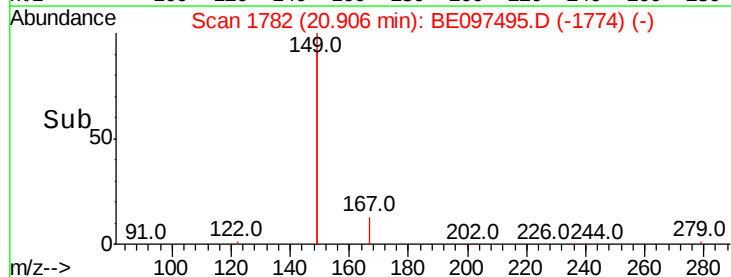
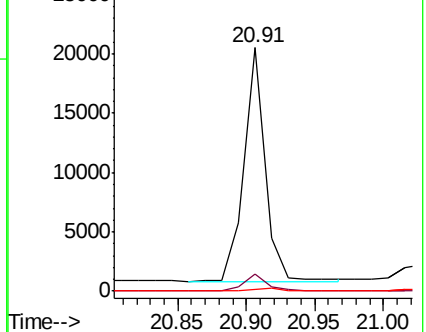
279 1.0 0.7 1.1

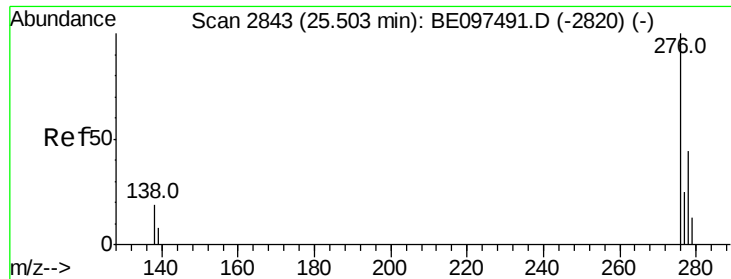


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.412 ng

RT: 25.50 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

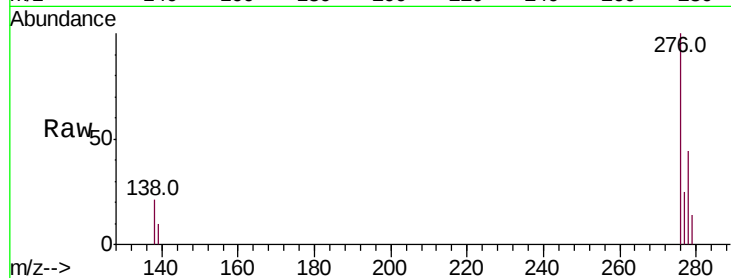
Tot Ion:276 Resp: 12898

Ion Ratio Lower Upper

276 100

138 20.9 22.5 33.7#

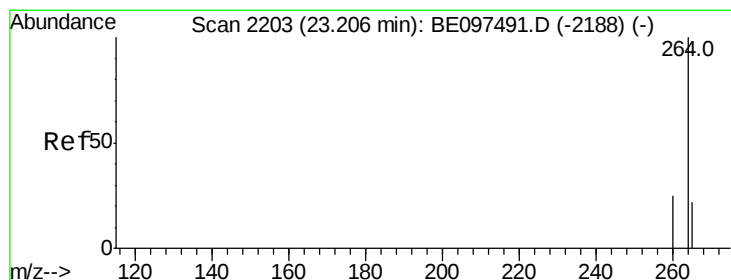
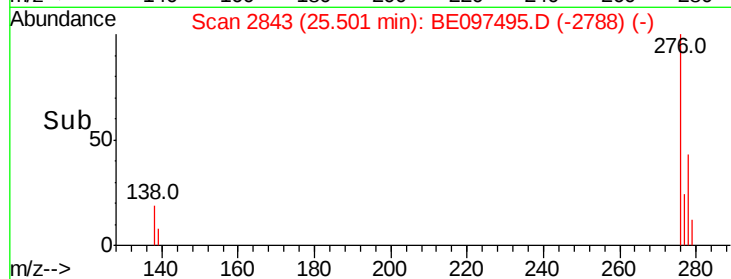
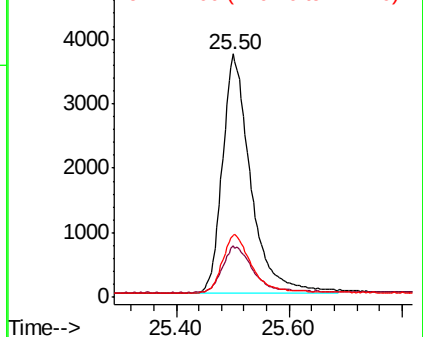
277 25.3 19.9 29.9



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: BE097495.D

Acq: 17 Sep 2018 14:01

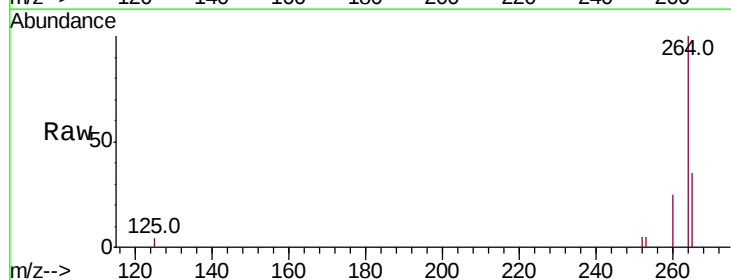
Tgt Ion:264 Resp: 9852

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

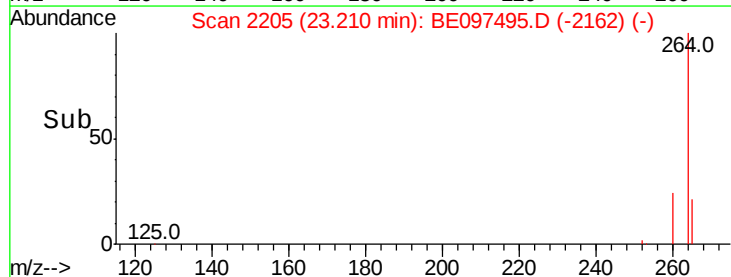
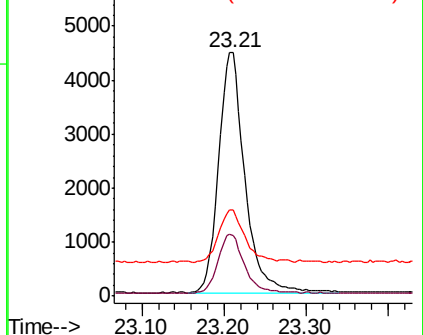
265 35.2 22.8 34.2#

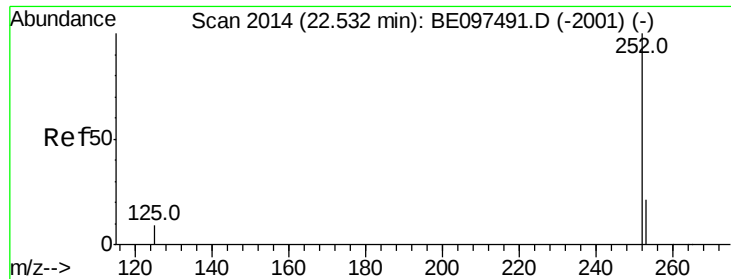


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.407 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

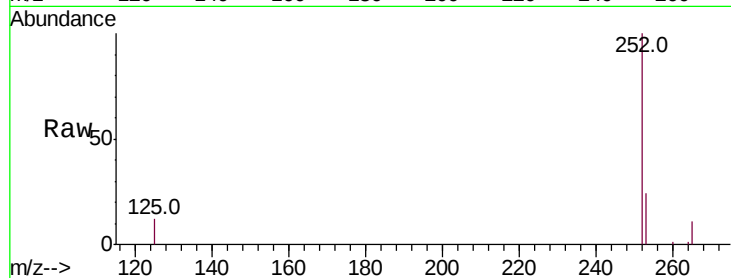
Tot Ion:252 Resp: 10247

Ion Ratio Lower Upper

252 100

253 24.4 20.0 30.0

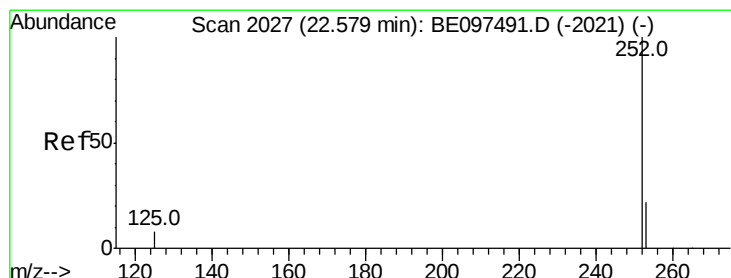
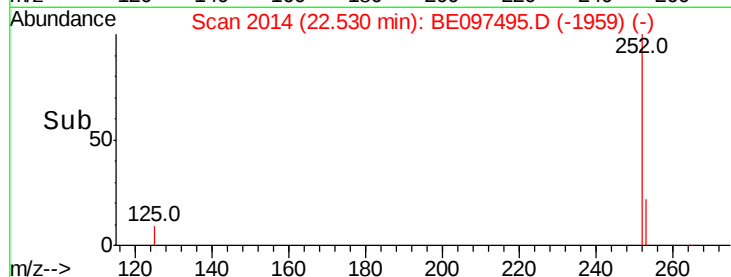
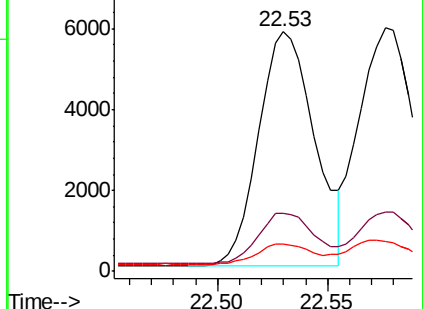
125 11.6 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.406 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

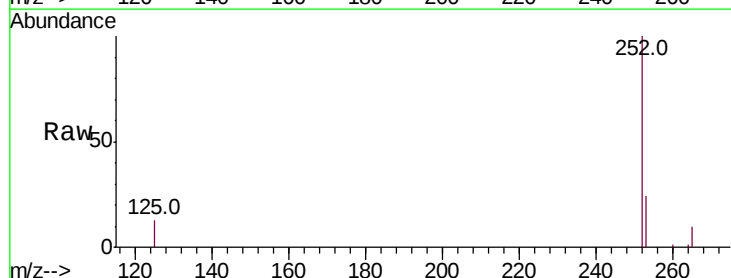
Tgt Ion:252 Resp: 11148

Ion Ratio Lower Upper

252 100

253 24.4 16.0 24.0#

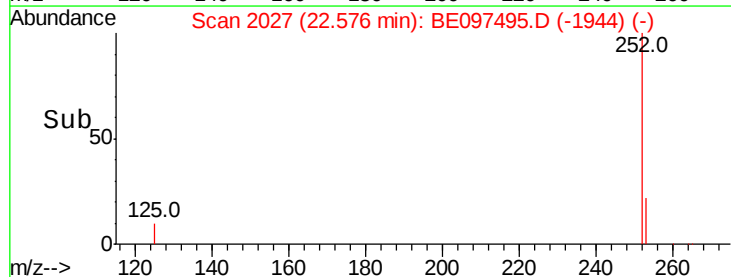
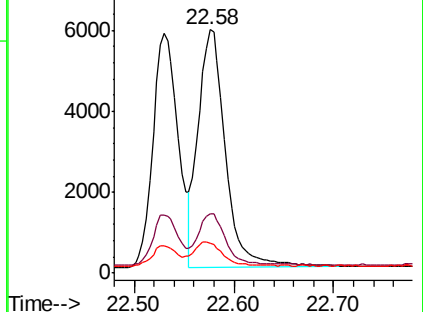
125 12.5 8.0 12.0#

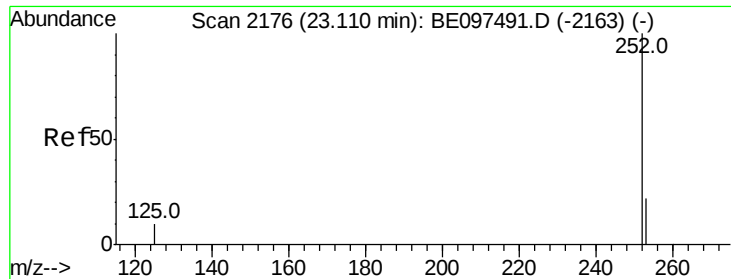


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

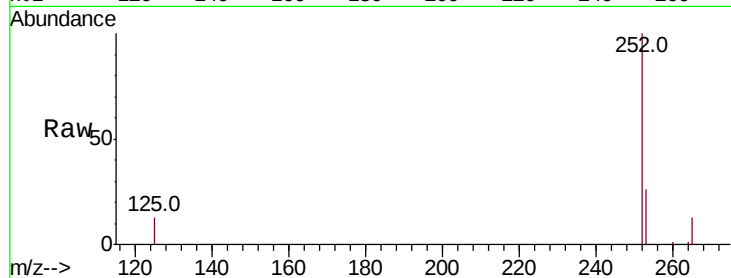
Tot Ion:252 Resp: 10095

Ion Ratio Lower Upper

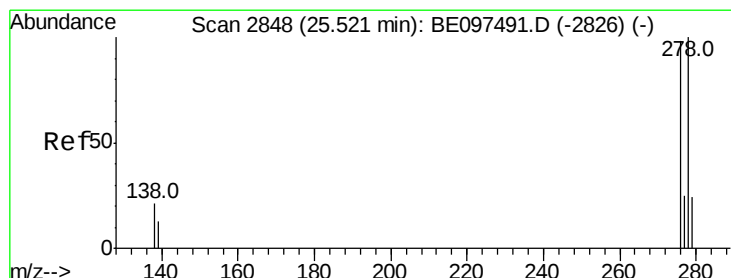
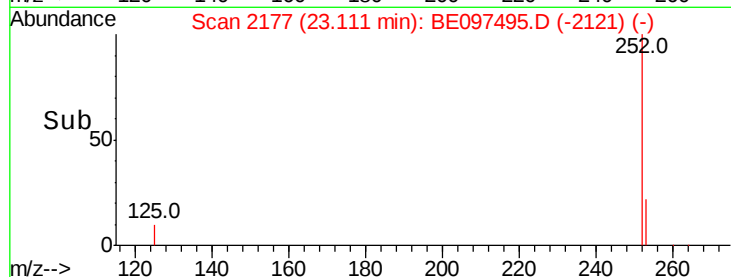
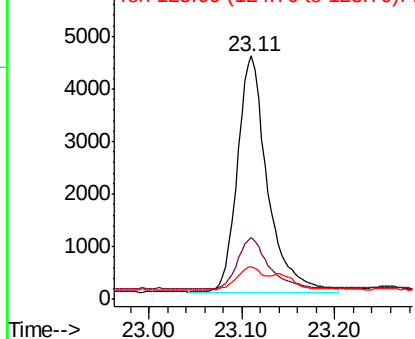
252 100

253 25.6 16.0 24.0#

125 13.2 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: 0.412 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

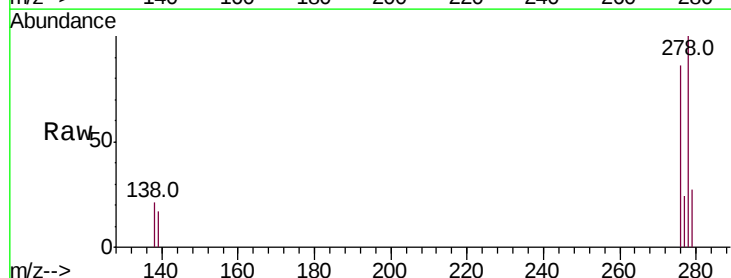
Tgt Ion:278 Resp: 10757

Ion Ratio Lower Upper

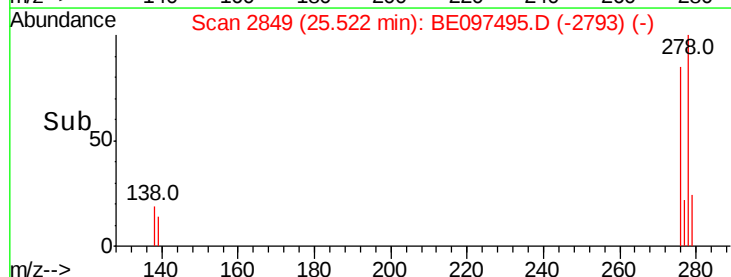
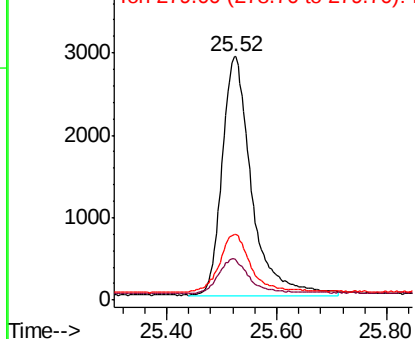
278 100

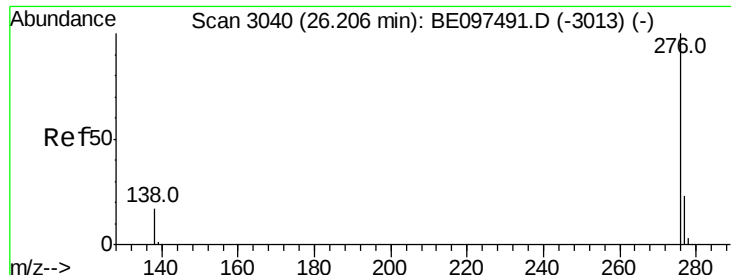
139 16.7 16.0 24.0

279 27.1 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: 0.399 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA_E

ClientSampleId :

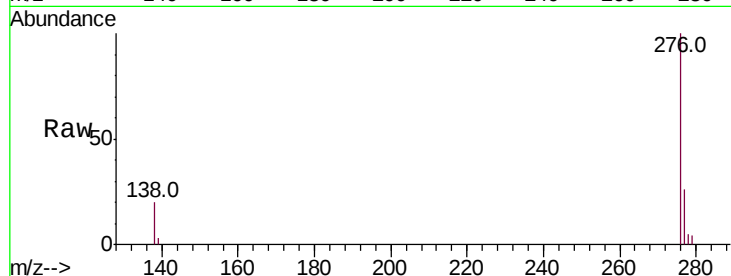
Tot Ion:276 Resp: 10628

Ion Ratio Lower Upper

276 100

277 26.1 16.0 24.0#

138 19.8 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

