

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097537.D
 Acq On : 19 Sep 2018 13:05
 Operator : SJ/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

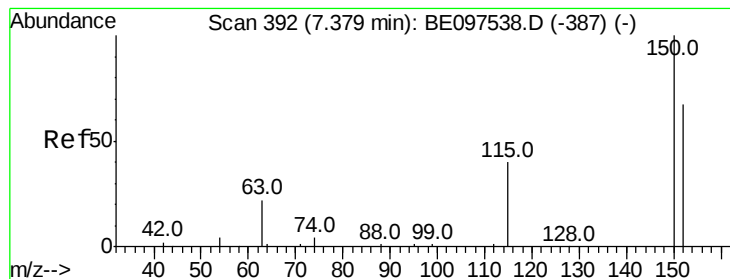
Quant Time: Sep 19 15:48:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 15:47:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	806	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3565	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	1980	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5452	0.40	ng	0.01
27) Chrysene-d12	20.97	240	8578	0.40	ng	0.00
34) Perylene-d12	23.21	264	9220	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	448	0.16	ng	0.00
5) Phenol-d6	6.61	99	455	0.13	ng	0.01
8) Nitrobenzene-d5	8.53	82	507	0.18	ng	0.01
11) 2-Methylnaphthalene-d10	11.72	152	992	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	134	0.13	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	1325	0.19	ng	0.00
25) Fluoranthene-d10	18.80	212	14154	0.22	ng	0.00
29) Terphenyl-d14	19.42	244	2989	0.18	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.07	88	265	0.190	ng	# 89
3) n-Nitrosodimethylamine	3.37	42	221	0.190	ng	# 98
6) bis(2-Chloroethyl)ether	6.83	93	535	0.193	ng	73
9) Naphthalene	10.17	128	6334	0.196	ng	# 97
10) Hexachlorobutadiene	10.46	225	295	0.192	ng	96
12) 2-Methylnaphthalene	11.80	142	924	0.178	ng	97
16) Acenaphthylene	13.72	152	1428	0.166	ng	99
17) Acenaphthene	14.06	154	986	0.186	ng	96
18) Fluorene	15.06	166	1290	0.190	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	481	0.183	ng	# 79
21) Hexachlorobenzene	16.07	284	515	0.185	ng	# 84
22) Pentachlorophenol	16.45	266	162	0.334	ng	85
23) Phenanthrene	16.80	178	2510	0.196	ng	99
24) Anthracene	16.90	178	2064	0.174	ng	95
26) Fluoranthene	18.83	202	3405	0.204	ng	99
28) Pyrene	19.20	202	3796	0.172	ng	100
30) Benzo(a)anthracene	20.96	228	3942	0.175	ng	97
31) Chrysene	21.00	228	4458	0.193	ng	98
32) Bis(2-ethylhexyl)phthalate	20.91	149	7850	0.164	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	5562	0.202	ng	# 94
35) Benzo(b)fluoranthene	22.53	252	4371	0.185	ng	# 93
36) Benzo(k)fluoranthene	22.58	252	5151	0.200	ng	# 87
37) Benzo(a)pyrene	23.11	252	4537	0.194	ng	# 90
38) Dibenzo(a,h)anthracene	25.53	278	4582	0.188	ng	95
39) Benzo(g,h,i)perylene	26.21	276	4535	0.182	ng	# 90

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

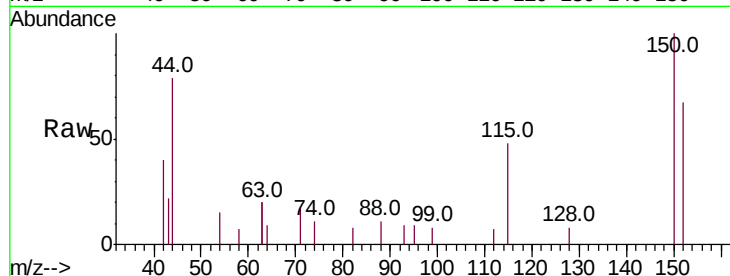


#1

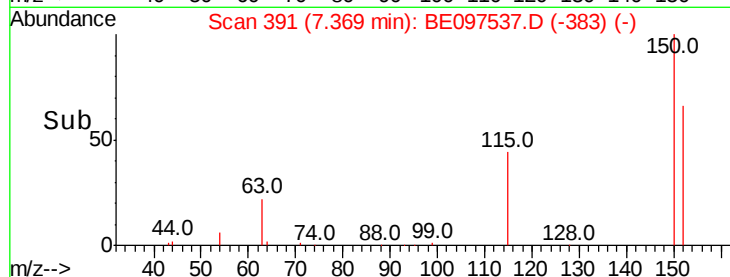
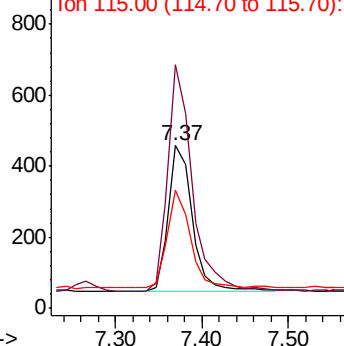
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097537.D
Acq: 19 Sep 2018 13:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 806
Ion Ratio Lower Upper
152 100
150 149.8 117.2 175.8
115 72.5 57.0 85.6



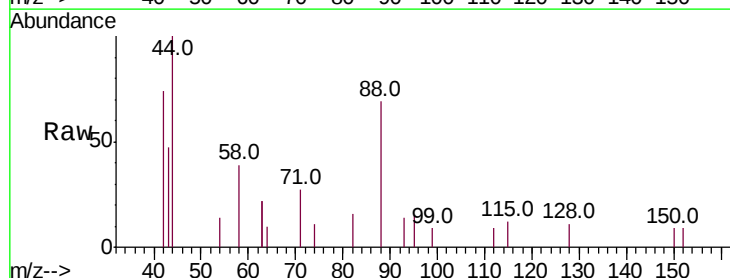
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



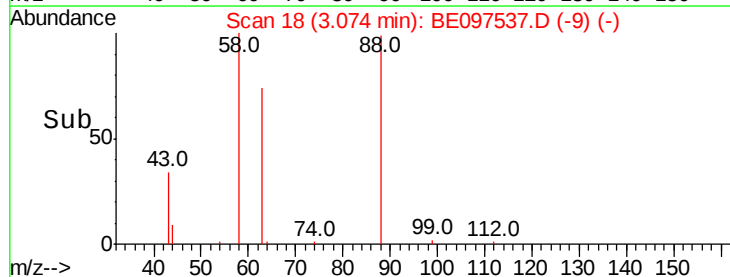
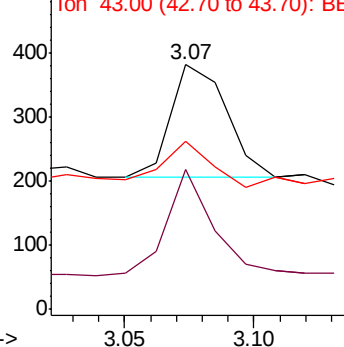
#2

1,4-Dioxane
Concen: 0.190 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097537.D
Acq: 19 Sep 2018 13:05

Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
58 79.6 63.2 94.8
43 32.1 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



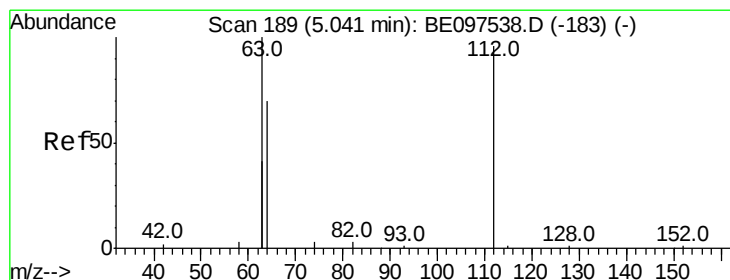
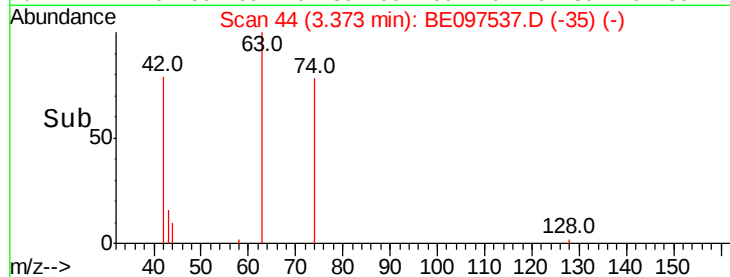
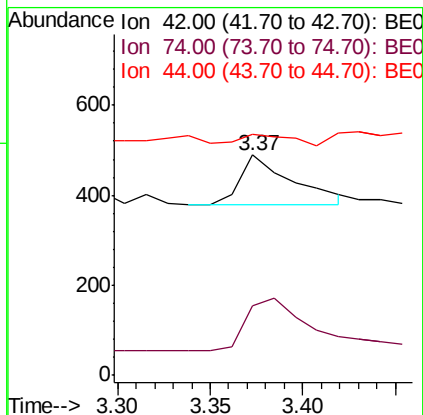
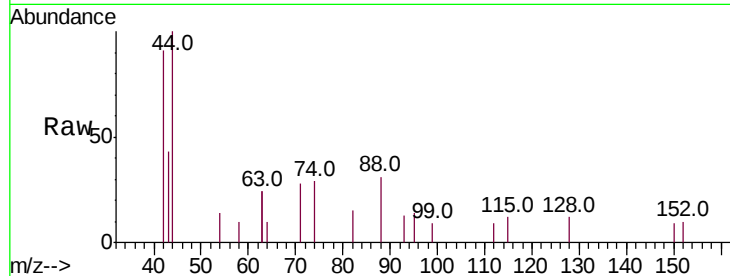


#3

n-Nitrosodimethylamine
 Concen: 0.190 ng
 RT: 3.37 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: BE097537.D
 Acq: 19 Sep 2018 13:05

Instrument :
 BNA_E
 ClientSampled :

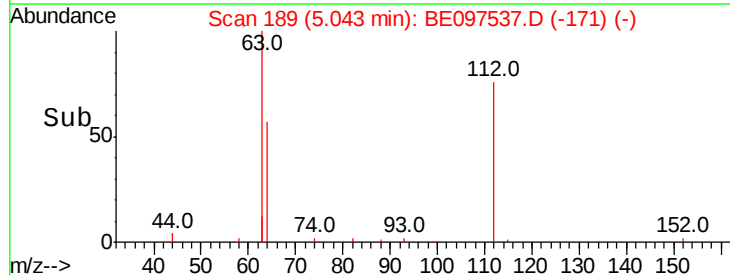
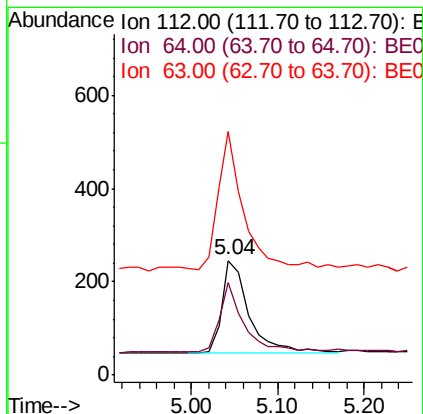
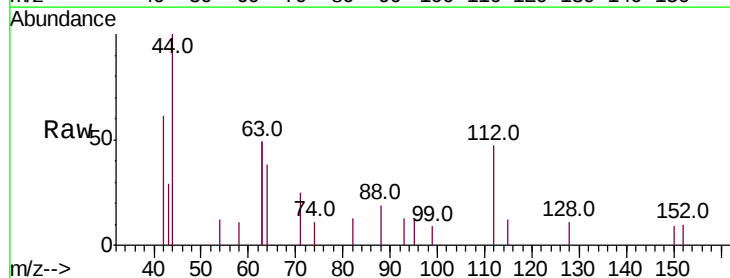
Tot Ion: 42 Resp: 221
 Ion Ratio Lower Upper
 42 100
 74 120.8 96.0 144.0
 44 21.3 12.0 18.0#



#4

2-Fluorophenol
 Concen: 0.164 ng
 RT: 5.04 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: BE097537.D
 Acq: 19 Sep 2018 13:05

Tgt Ion: 112 Resp: 448
 Ion Ratio Lower Upper
 112 100
 64 68.5 60.1 90.1
 63 129.9 116.8 175.2





#5

Phenol-d6

Concen: 0.131 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampled :

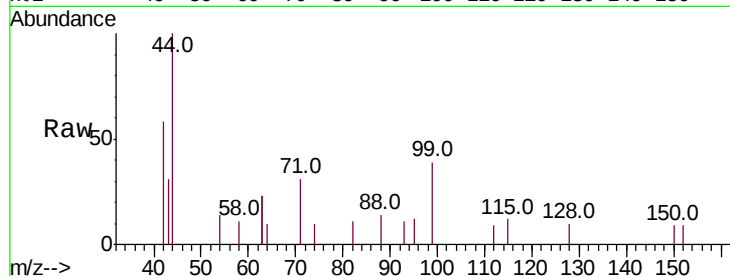
Tot Ion: 99 Resp: 455

Ion Ratio Lower Upper

99 100

42 25.9 20.2 30.2

71 39.1 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

400

300

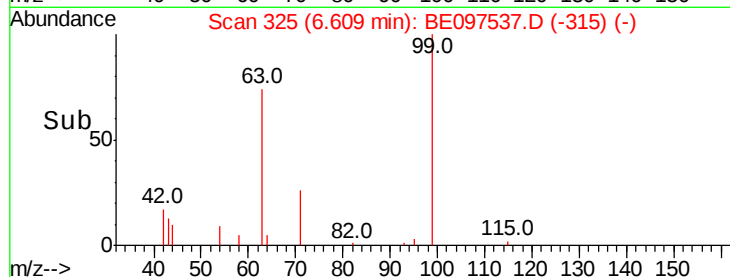
200

100

0

6.50 6.55 6.60 6.65

Time-->



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

400

300

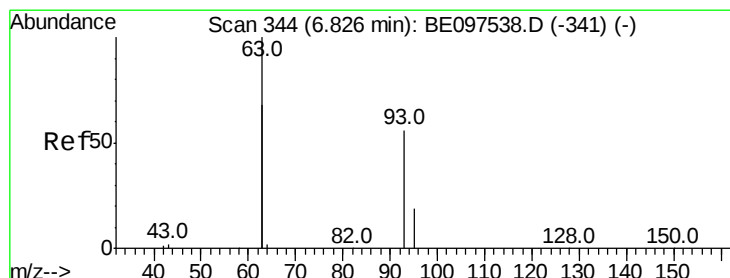
200

100

0

6.50 6.55 6.60 6.65

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.193 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

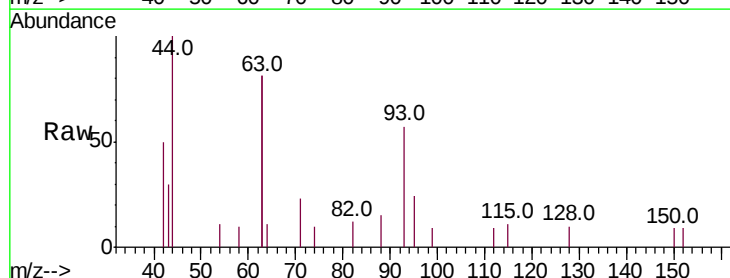
Tgt Ion: 93 Resp: 535

Ion Ratio Lower Upper

93 100

63 282.4 275.3 412.9

95 34.4 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

1200

1000

800

600

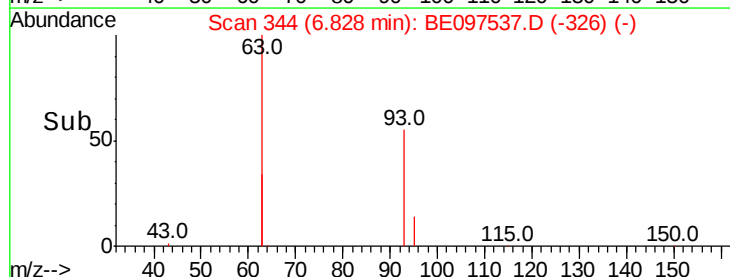
400

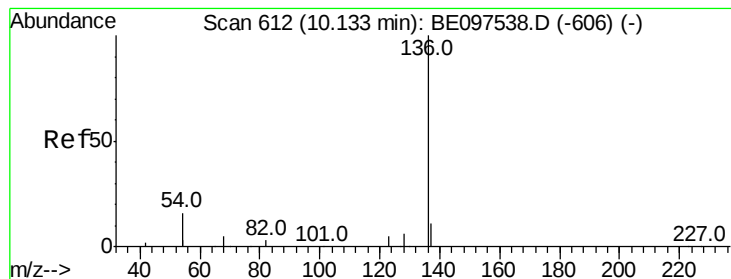
200

0

6.75 6.80 6.85 6.90 6.95

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3565

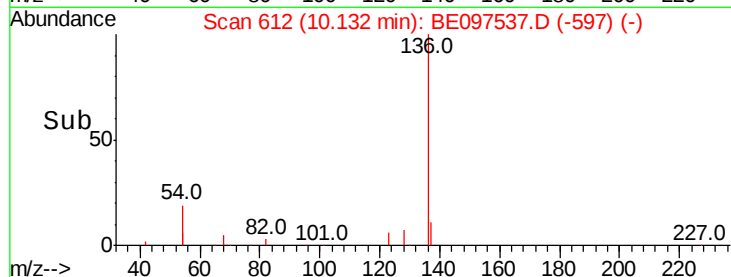
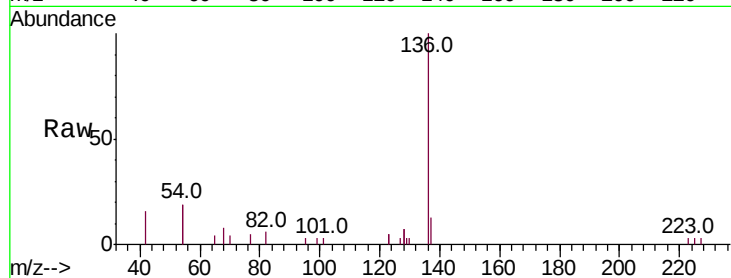
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 37.9 29.1 43.7

68 8.0 6.2 9.2

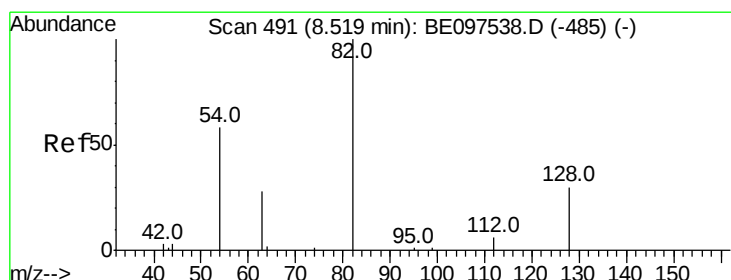
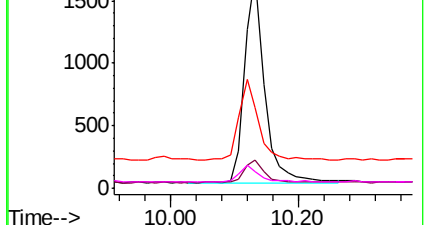


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.177 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

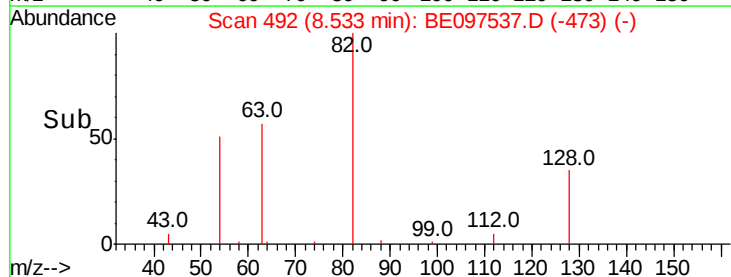
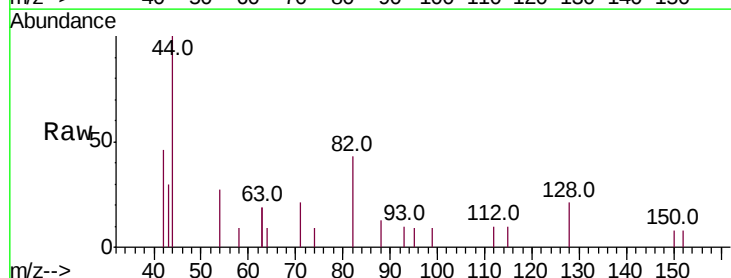
Tgt Ion: 82 Resp: 507

Ion Ratio Lower Upper

82 100

128 49.8 24.0 36.0#

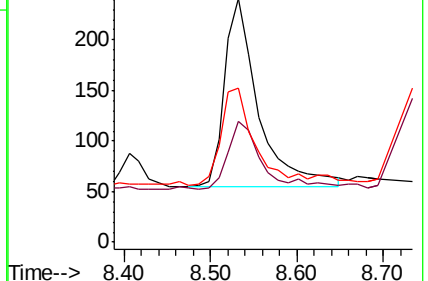
54 63.5 40.0 60.0#



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: 0.196 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

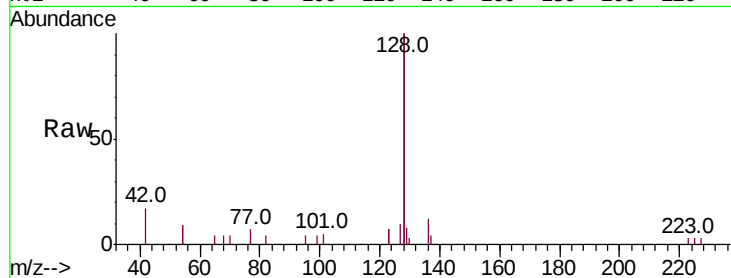
Tot Ion:128 Resp: 6334

Ion Ratio Lower Upper

128 100

129 4.1 2.6 3.8#

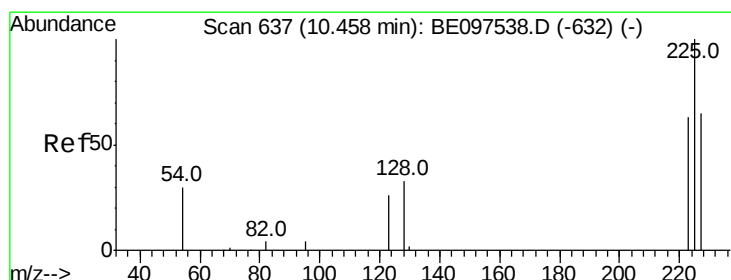
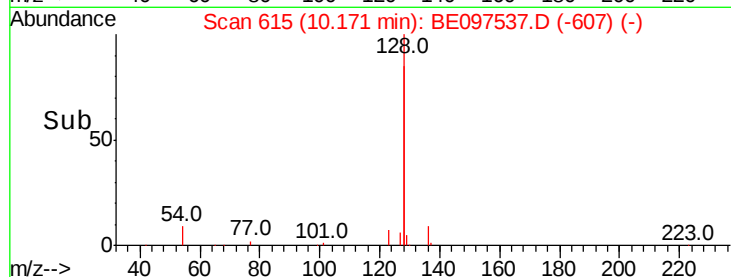
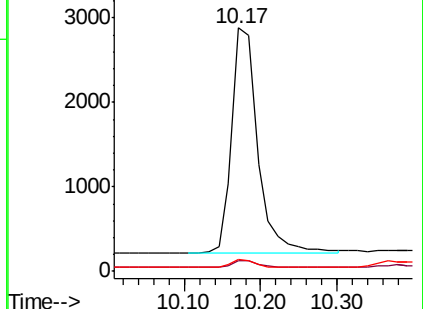
127 4.8 2.8 4.2#



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: 0.192 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

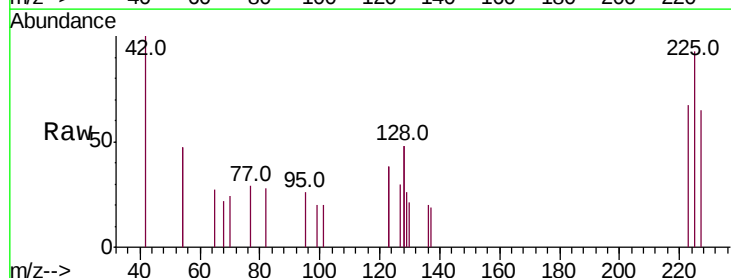
Tgt Ion:225 Resp: 295

Ion Ratio Lower Upper

225 100

223 62.4 53.0 79.6

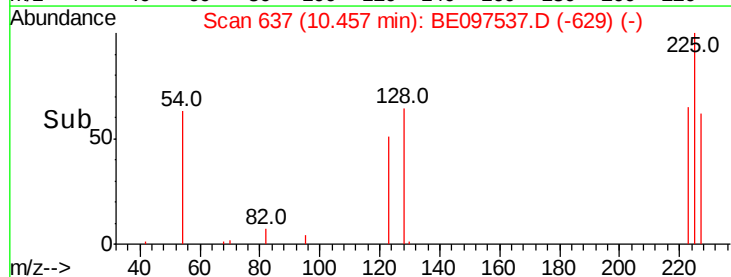
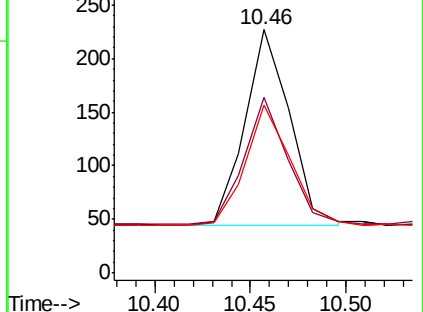
227 62.0 51.4 77.2

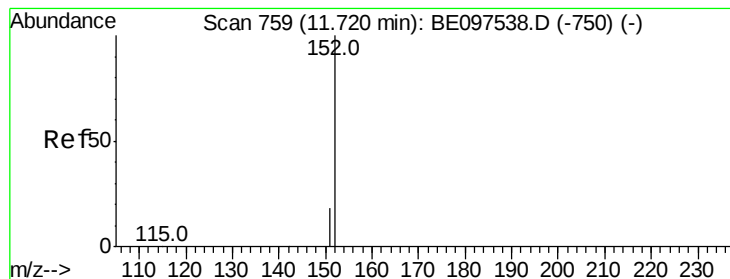


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.195 ng

RT: 11.72 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

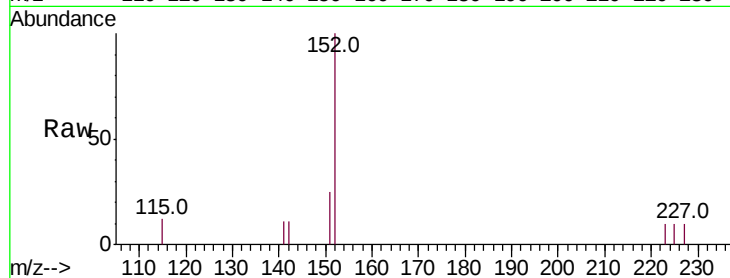
ClientSampled :

Tot Ion:152 Resp: 992

Ion Ratio Lower Upper

152 100

151 19.1 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

400

300

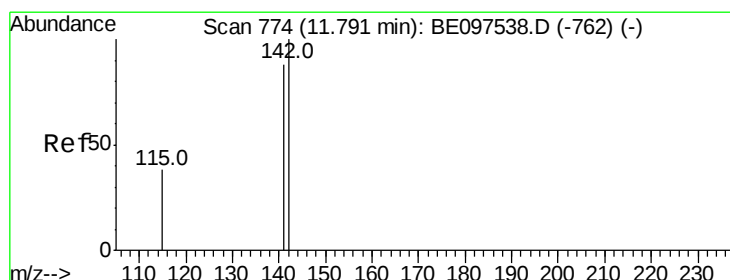
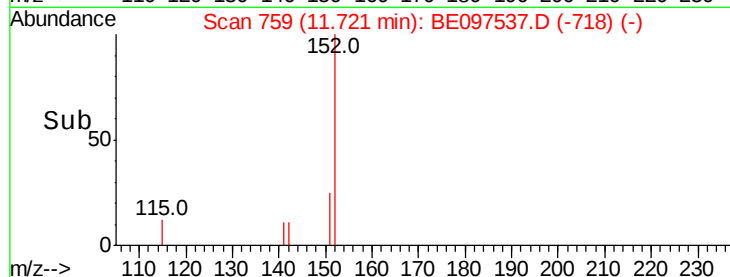
200

100

0

Time-->

11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.178 ng

RT: 11.80 min Scan# 775

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

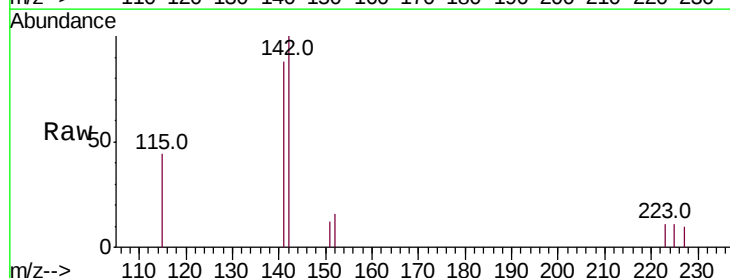
Tgt Ion:142 Resp: 924

Ion Ratio Lower Upper

142 100

141 87.5 70.4 105.6

115 44.1 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

600

500

400

300

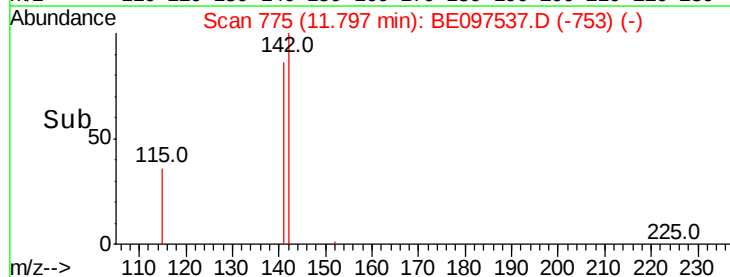
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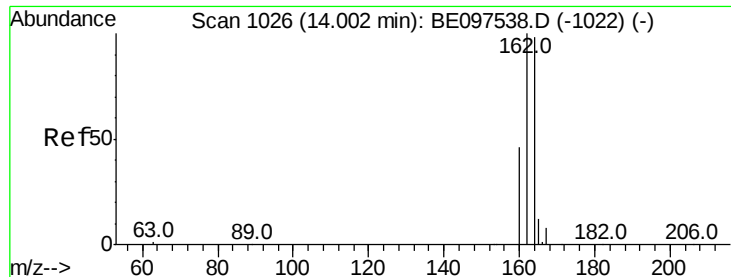
100

0

Time-->

11.70 11.80 11.90

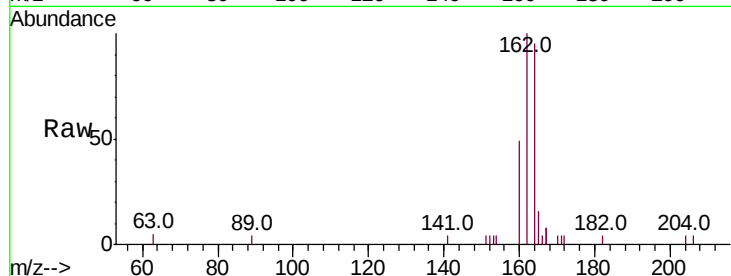




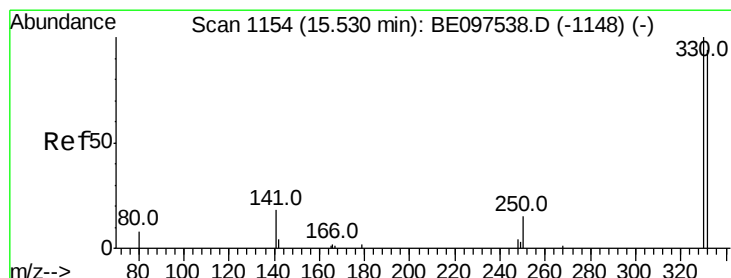
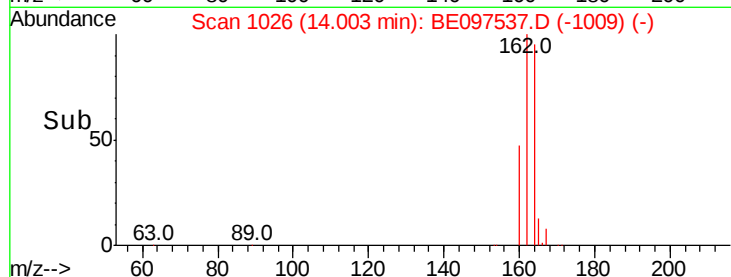
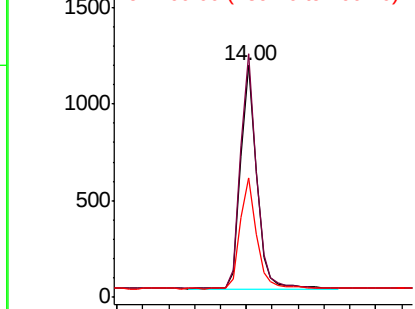
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BE097537.D
 Acq: 19 Sep 2018 13:05

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 1980
 Ion Ratio Lower Upper
 164 100
 162 105.0 83.1 124.7
 160 51.5 37.1 55.7

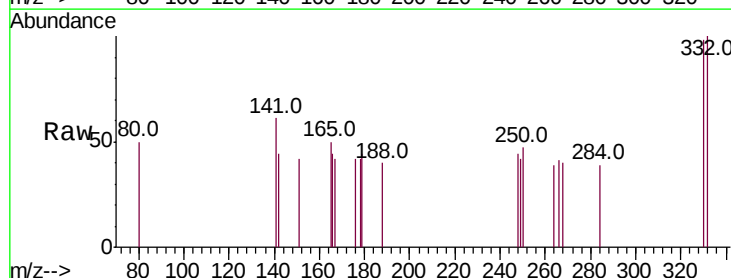


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

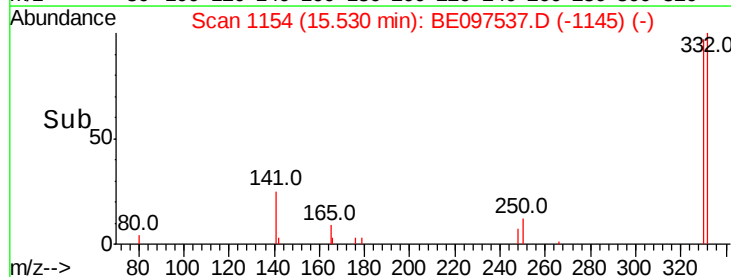
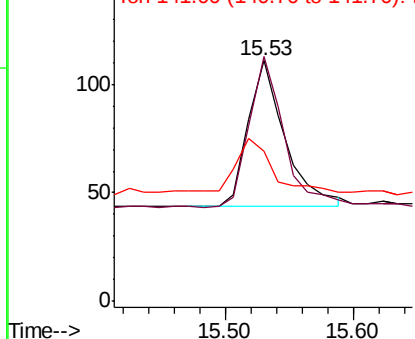


#14
 2,4,6-Tribromophenol
 Concen: 0.128 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE097537.D
 Acq: 19 Sep 2018 13:05

Tgt Ion:330 Resp: 134
 Ion Ratio Lower Upper
 330 100
 332 100.7 152.7 229.1#
 141 36.6 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

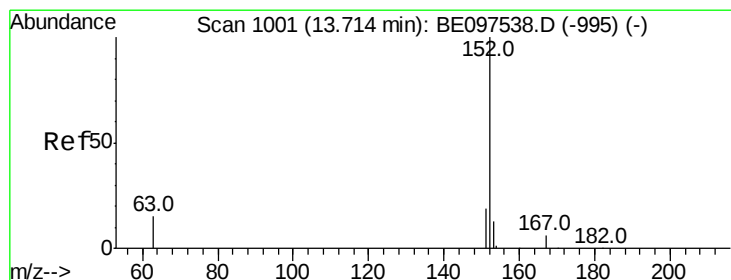
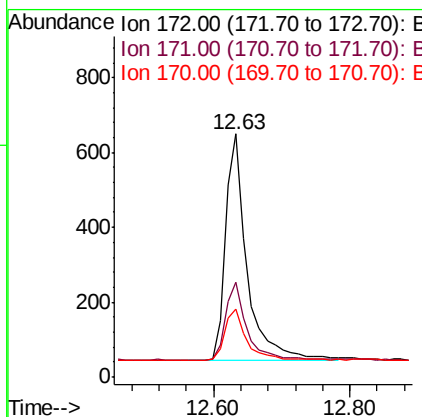
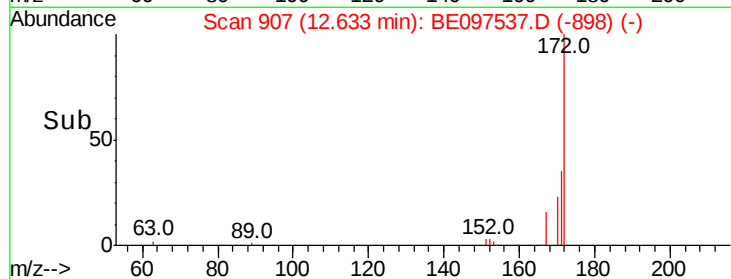
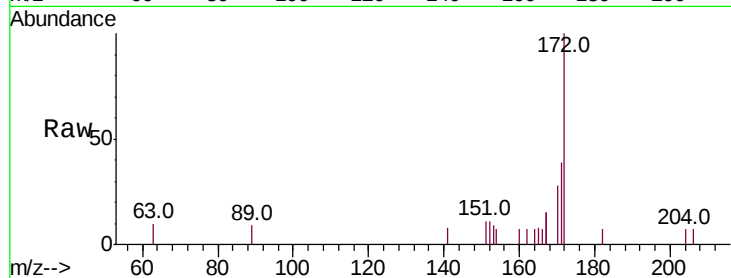




#15
2-Fluorobiphenyl
Concen: 0.192 ng
RT: 12.63 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097537.D
Acq: 19 Sep 2018 13:05

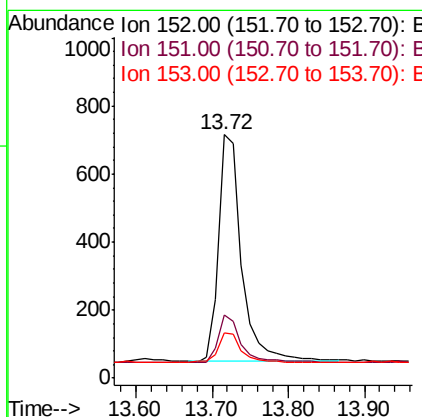
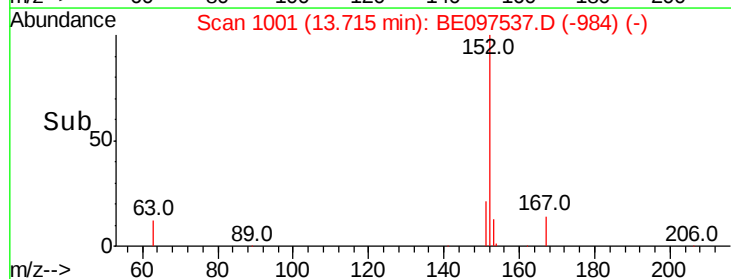
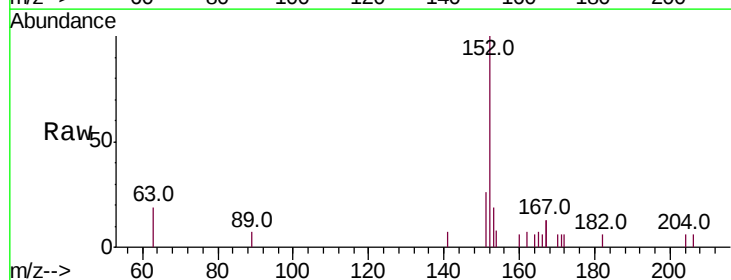
Instrument :
BNA_E
ClientSampleId :

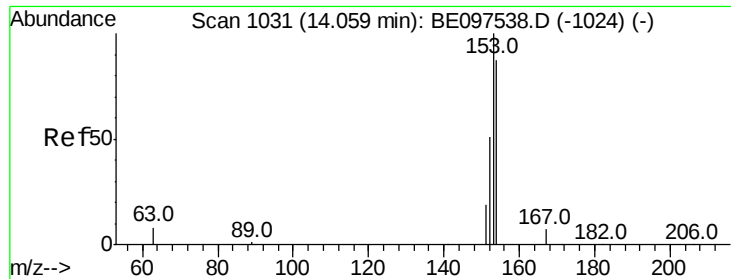
Tot Ion:172 Resp: 1325
Ion Ratio Lower Upper
172 100
171 39.2 29.9 44.9
170 28.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.166 ng
RT: 13.72 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097537.D
Acq: 19 Sep 2018 13:05

Tgt Ion:152 Resp: 1428
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.3 10.5 15.7

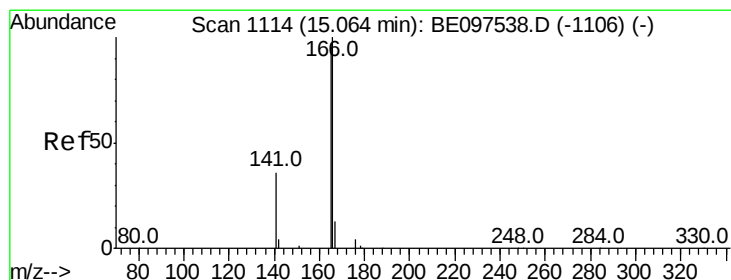
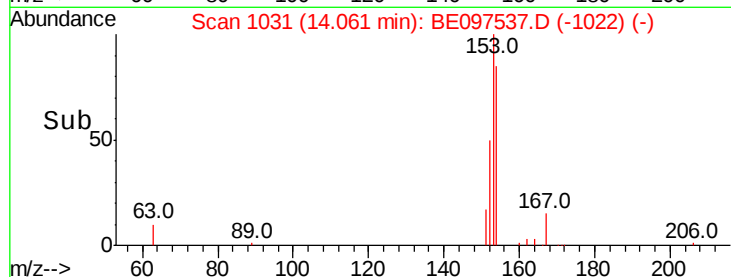
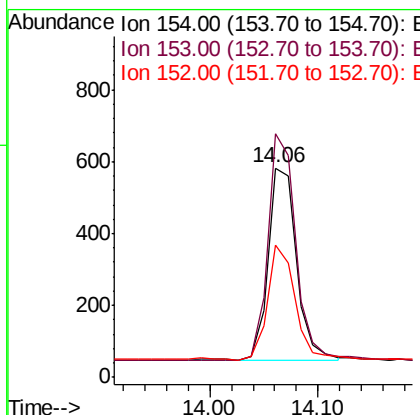
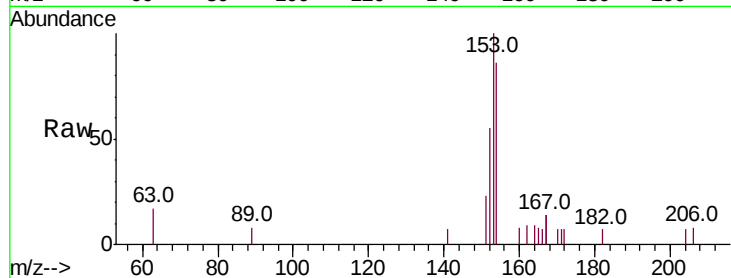




#17
Acenaphthene
Concen: 0.186 ng
RT: 14.06 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BE097537.D
Acq: 19 Sep 2018 13:05

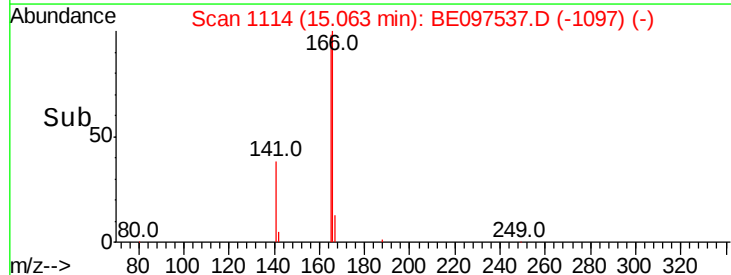
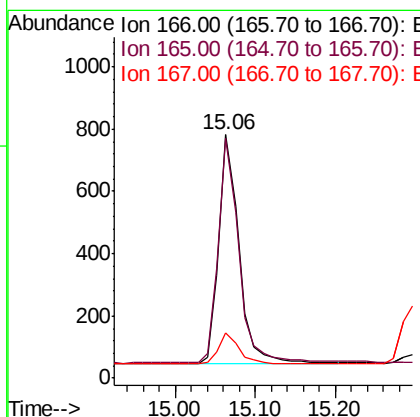
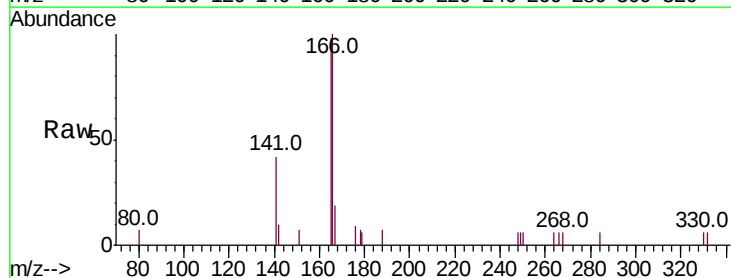
Instrument :
BNA_E
ClientSampleId :

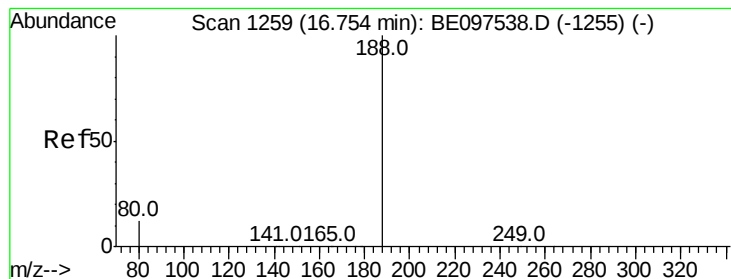
Tot Ion:154 Resp: 986
Ion Ratio Lower Upper
154 100
153 114.6 89.2 133.8
152 57.3 42.0 63.0



#18
Fluorene
Concen: 0.190 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097537.D
Acq: 19 Sep 2018 13:05

Tgt Ion:166 Resp: 1290
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.6
167 13.6 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

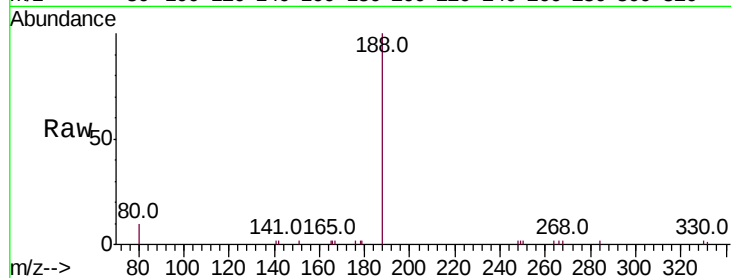
Tot Ion:188 Resp: 5452

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

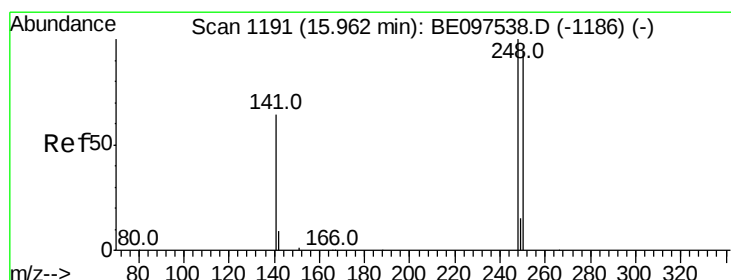
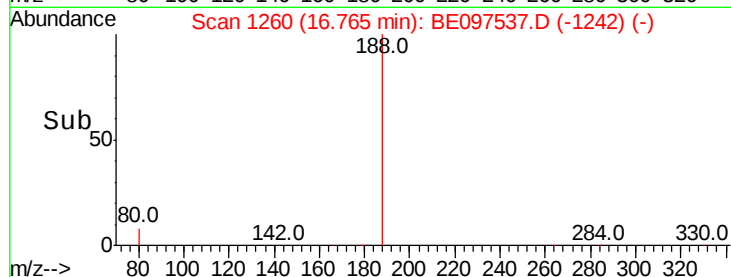
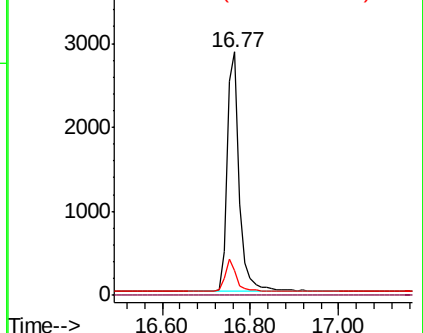
80 10.0 3.6 5.4#



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: 0.183 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

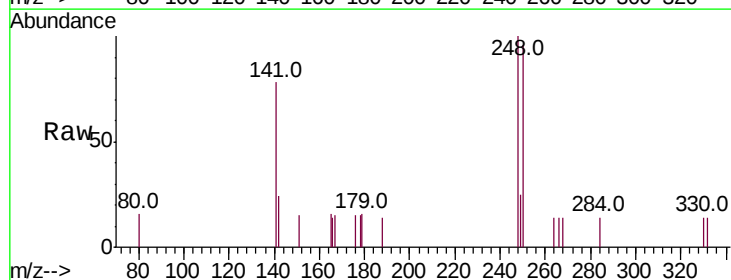
Tgt Ion:248 Resp: 481

Ion Ratio Lower Upper

248 100

250 95.7 62.7 94.1#

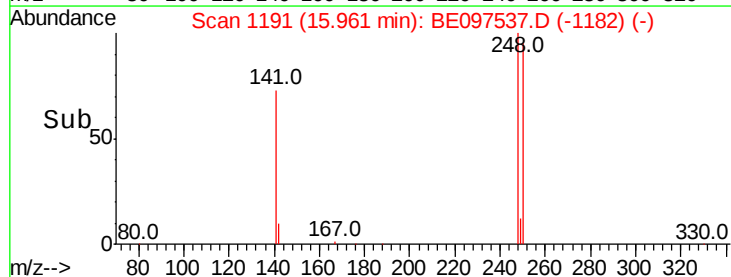
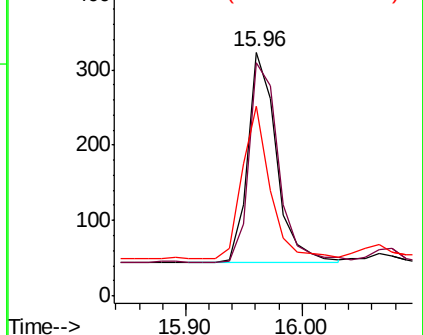
141 78.0 48.2 72.2#



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: 0.185 ng

RT: 16.07 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

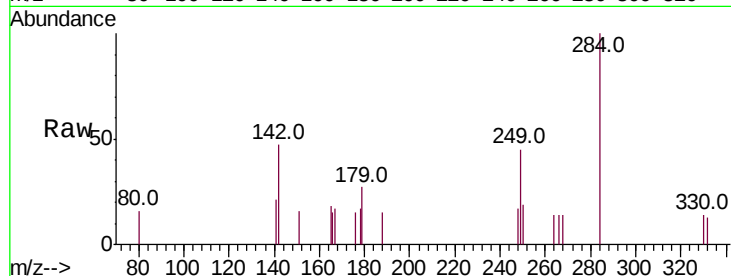
Tot Ion:284 Resp: 515

Ion Ratio Lower Upper

284 100

142 30.9 22.1 33.1

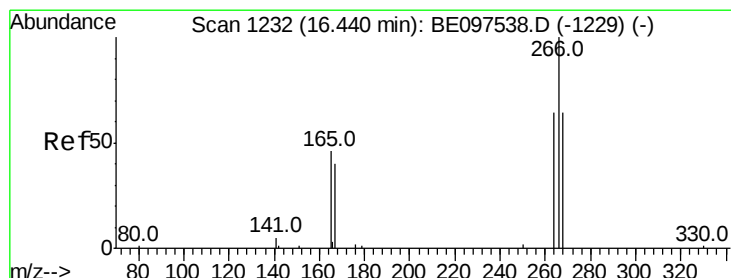
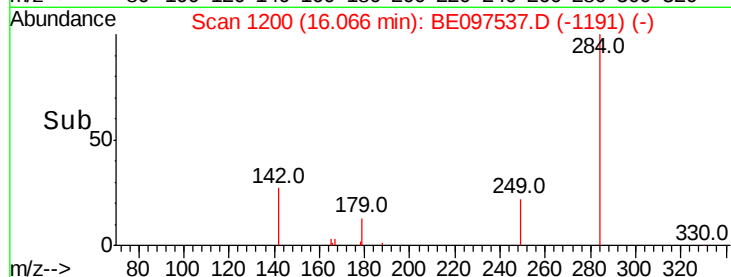
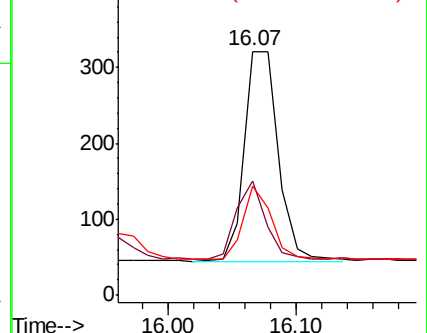
249 28.7 34.8 52.2#



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: 0.334 ng

RT: 16.45 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

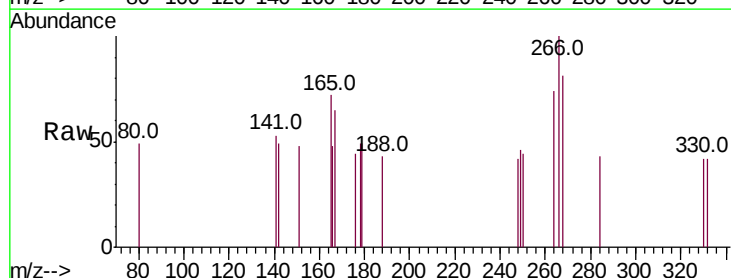
Tgt Ion:266 Resp: 162

Ion Ratio Lower Upper

266 100

264 74.0 72.5 108.7

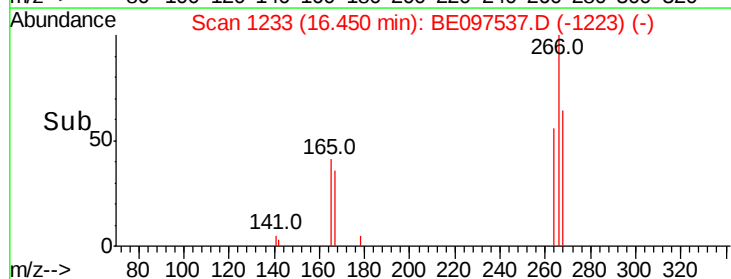
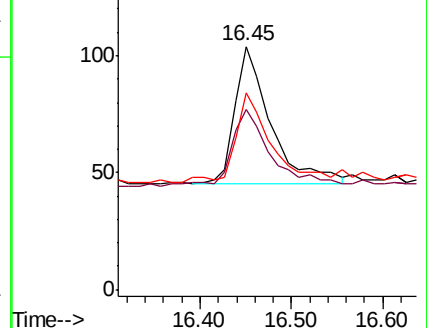
268 80.8 73.8 110.6



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: 0.196 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

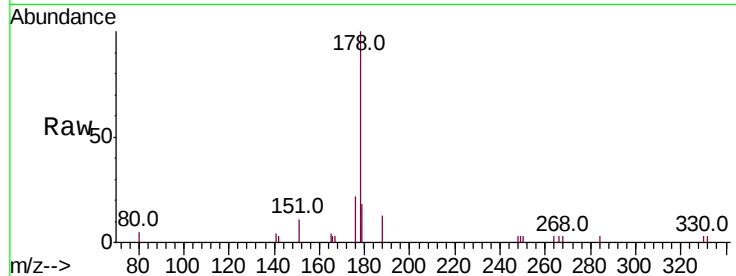
Tot Ion:178 Resp: 2510

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

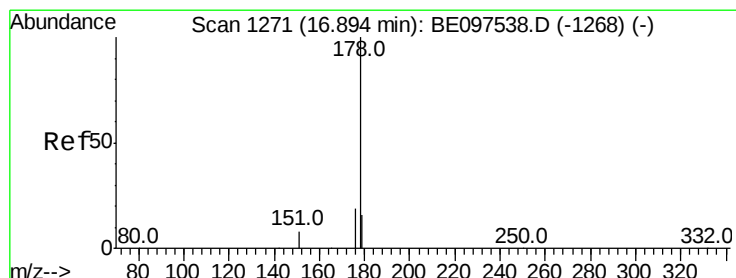
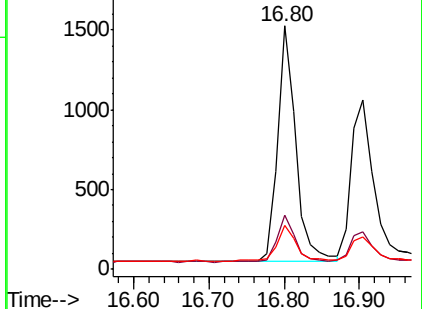
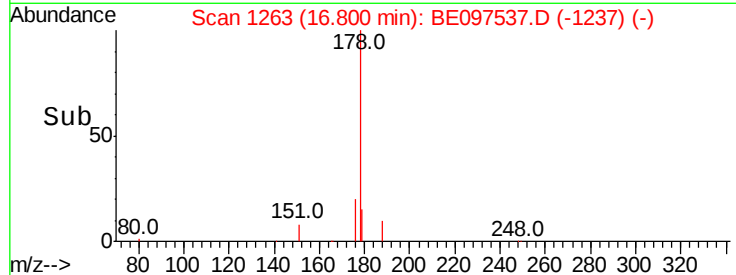
179 15.1 11.8 17.6



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: 0.174 ng

RT: 16.90 min Scan# 1272

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

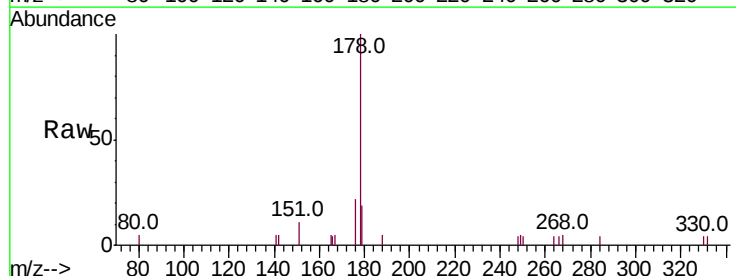
Tgt Ion:178 Resp: 2064

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

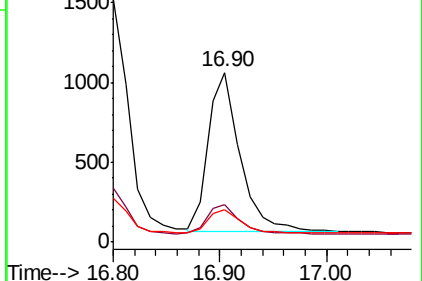
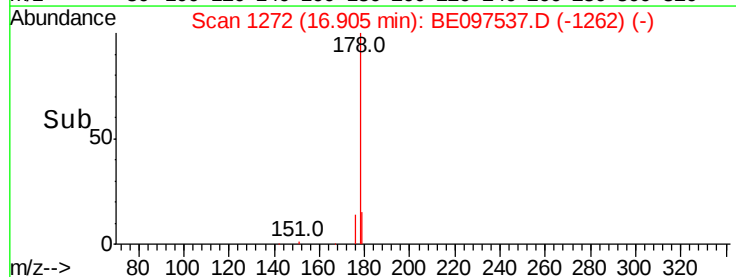
179 15.0 13.0 19.6



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: 0.216 ng

RT: 18.80 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

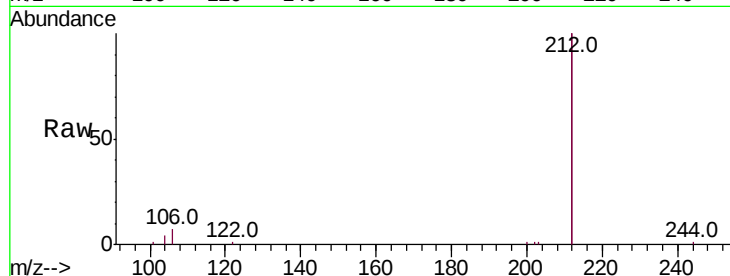
Tot Ion:212 Resp: 14154

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

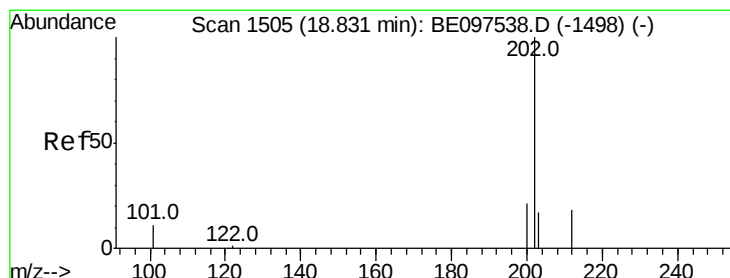
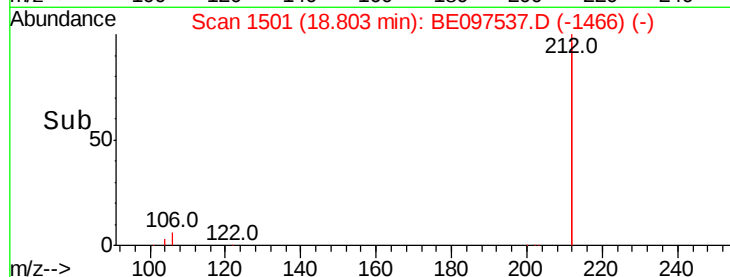
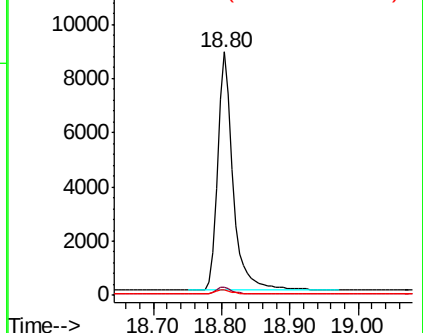
104 1.9 1.6 2.4



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: 0.204 ng

RT: 18.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

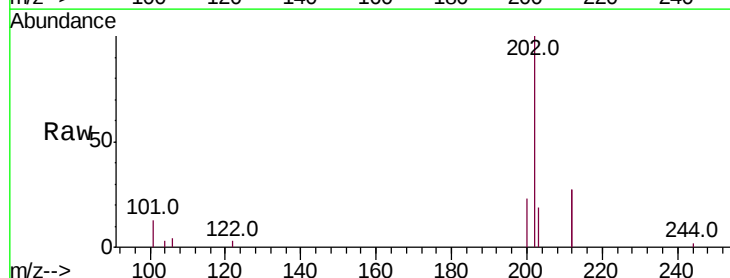
Tgt Ion:202 Resp: 3405

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

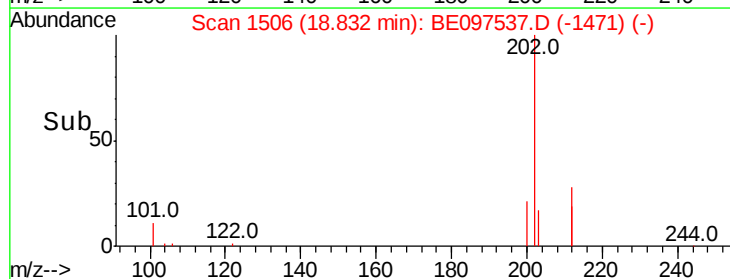
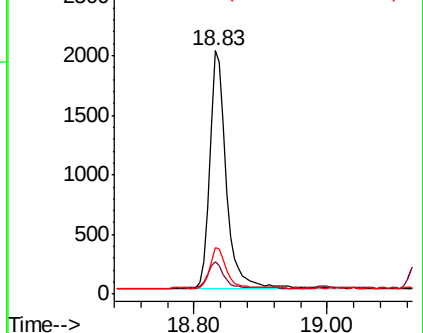
203 16.9 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

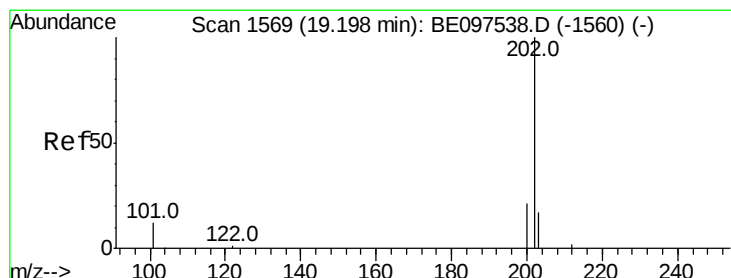
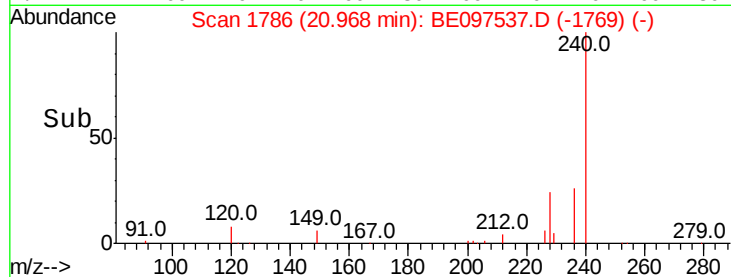
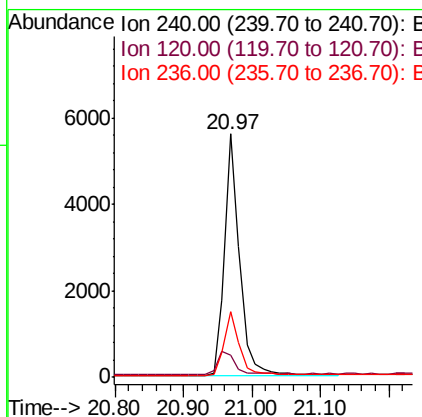
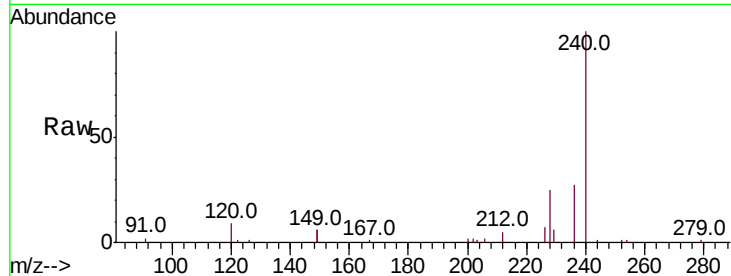




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097537.D
 Acq: 19 Sep 2018 13:05

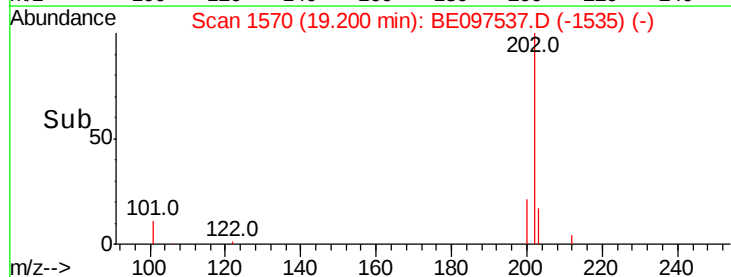
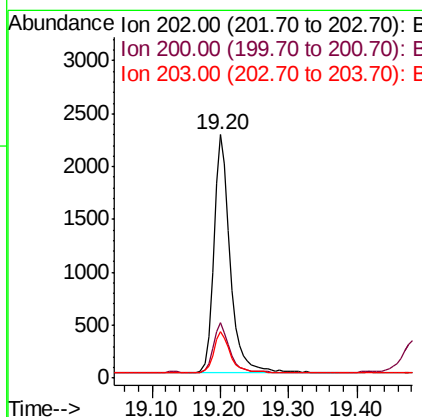
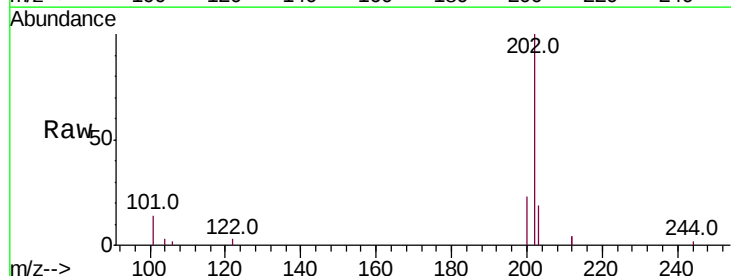
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 8578
 Ion Ratio Lower Upper
 240 100
 120 9.0 5.5 8.3#
 236 27.0 20.7 31.1



#28
 Pyrene
 Concen: 0.172 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BE097537.D
 Acq: 19 Sep 2018 13:05

Tgt Ion:202 Resp: 3796
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.6 25.0
 203 17.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.182 ng

RT: 19.42 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampled :

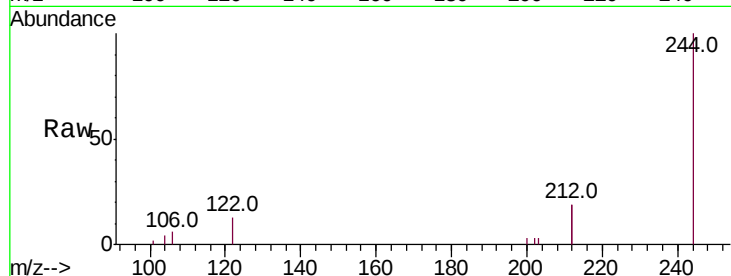
Tot Ion:244 Resp: 2989

Ion Ratio Lower Upper

244 100

212 38.0 25.4 38.0#

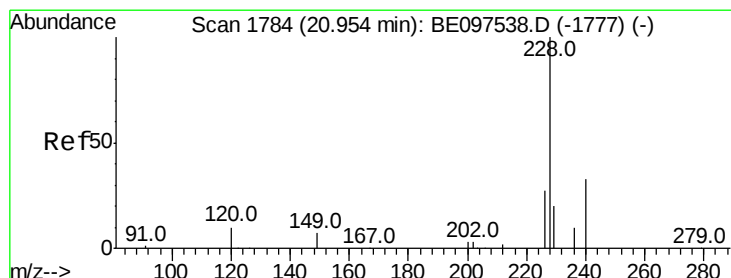
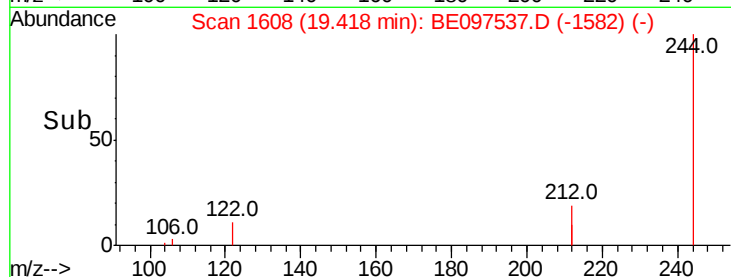
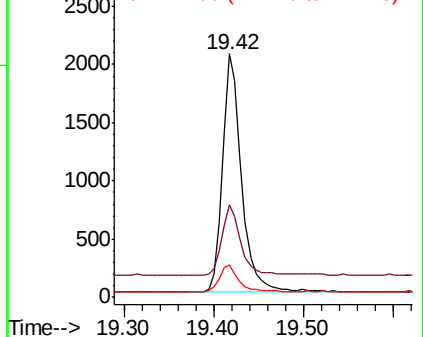
122 13.1 8.1 12.1#



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: 0.175 ng

RT: 20.96 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

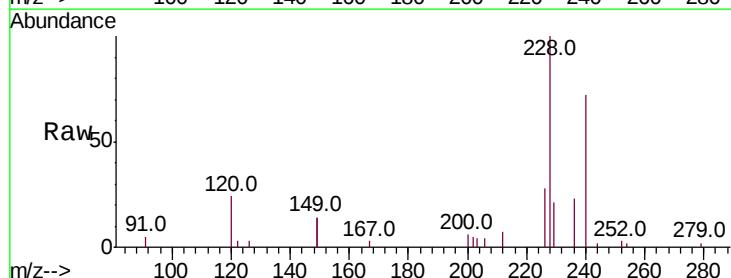
Tgt Ion:228 Resp: 3942

Ion Ratio Lower Upper

228 100

226 27.8 24.0 36.0

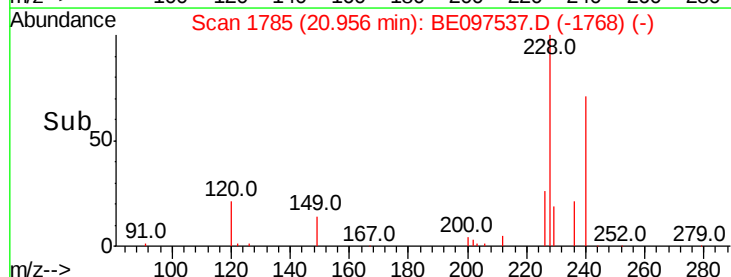
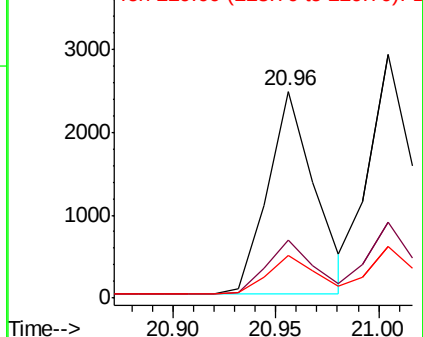
229 20.7 16.0 24.0



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: 0.193 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

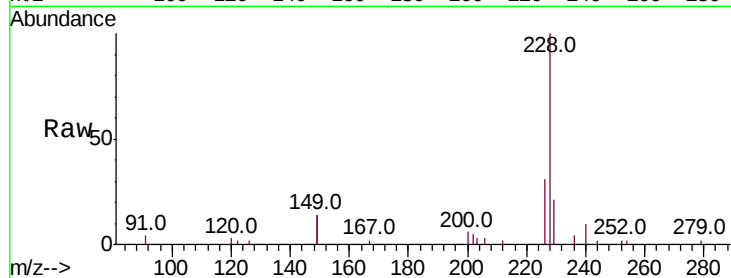
Tot Ion:228 Resp: 4458

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

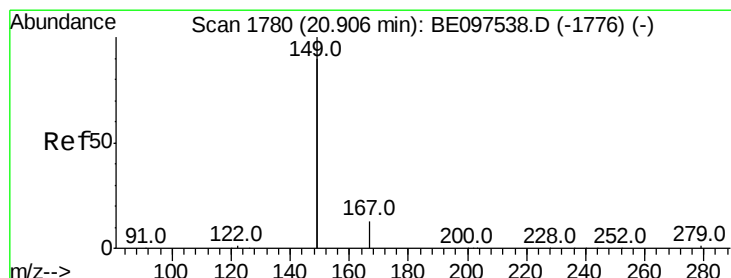
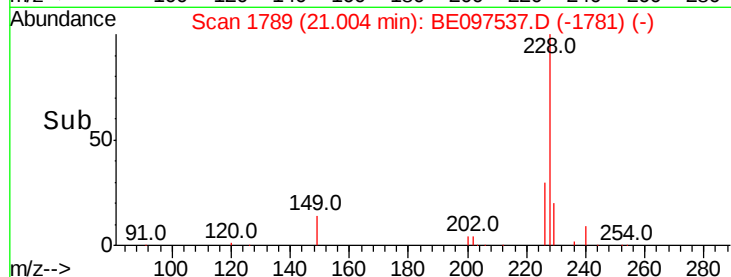
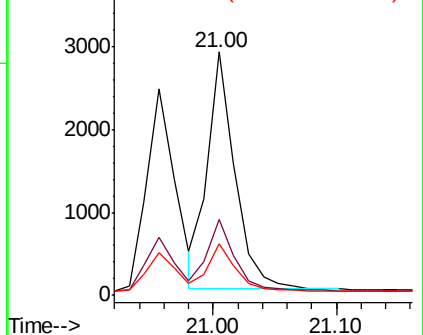
229 21.1 16.0 24.0



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: 0.164 ng

RT: 20.91 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

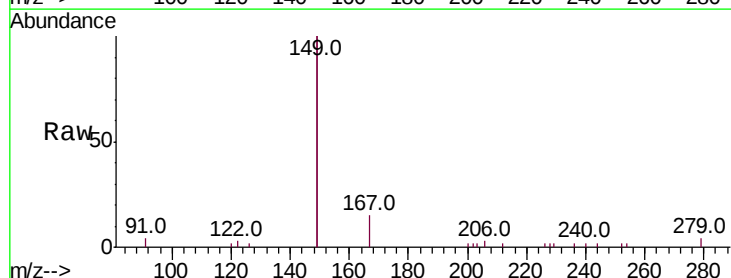
Tgt Ion:149 Resp: 7850

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

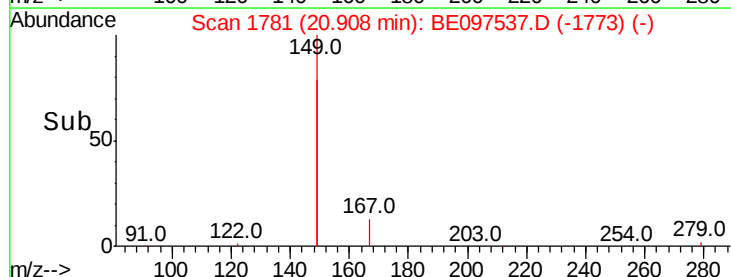
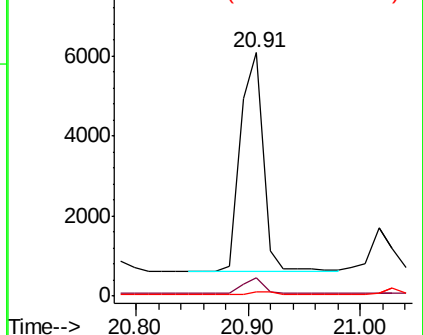
279 1.1 0.7 1.1#

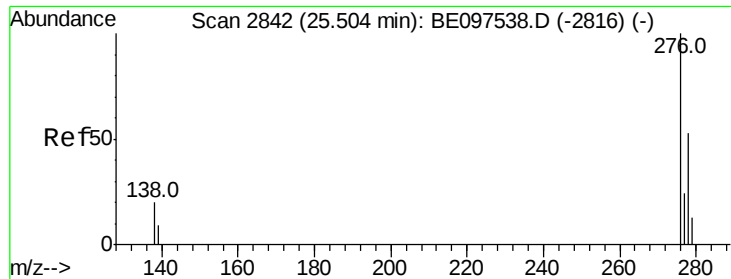


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.202 ng

RT: 25.51 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

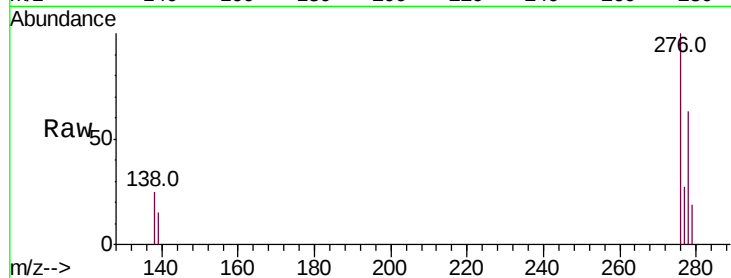
Tot Ion:276 Resp: 5562

Ion Ratio Lower Upper

276 100

138 22.1 22.5 33.7#

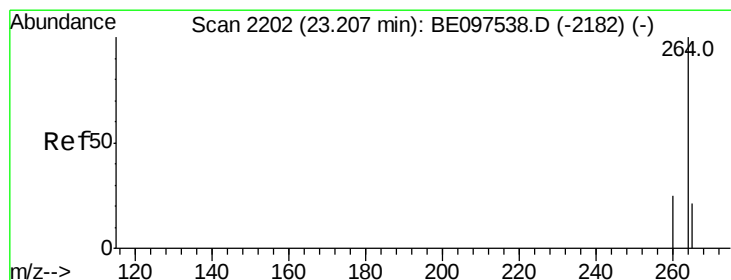
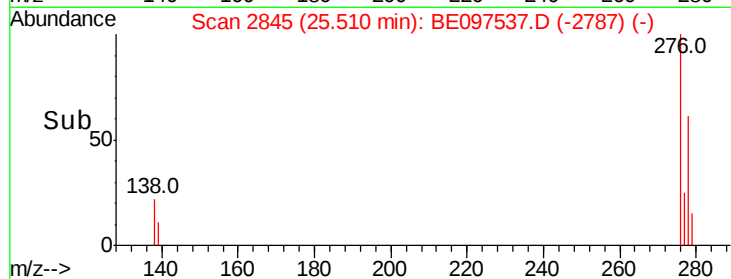
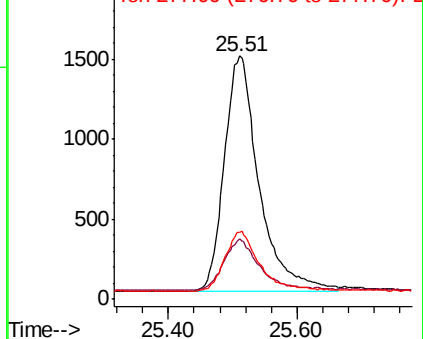
277 25.0 19.9 29.9



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# 2203

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

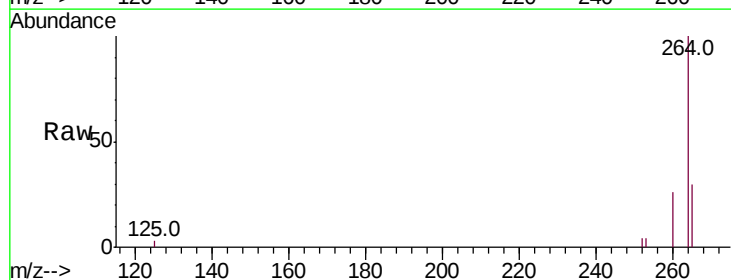
Tgt Ion:264 Resp: 9220

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

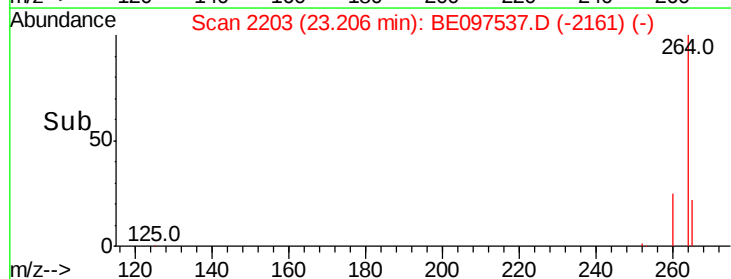
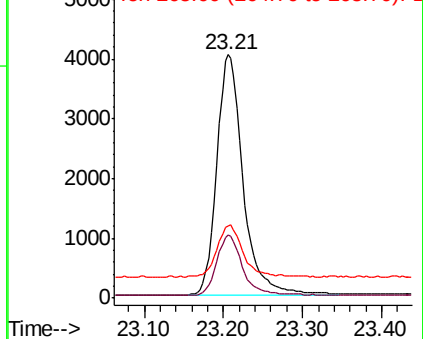
265 29.9 22.8 34.2



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: 0.185 ng

RT: 22.53 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

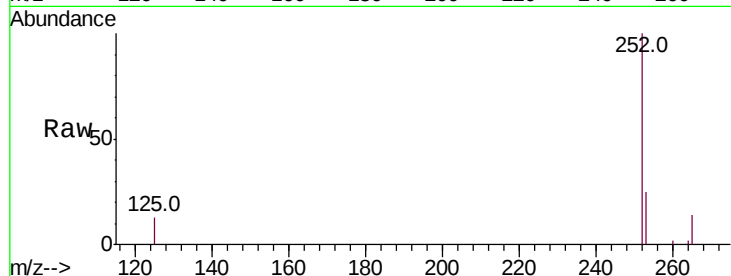
Tot Ion:252 Resp: 4371

Ion Ratio Lower Upper

252 100

253 25.2 20.0 30.0

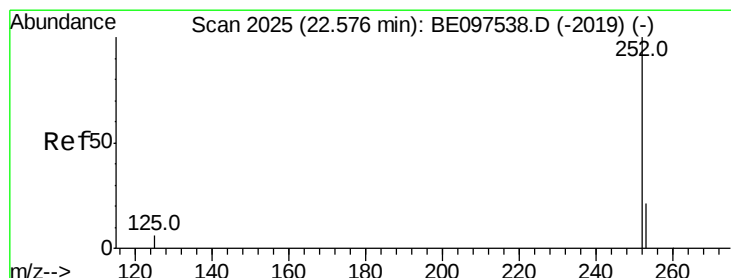
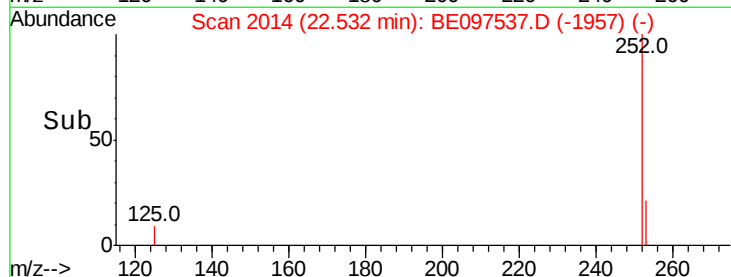
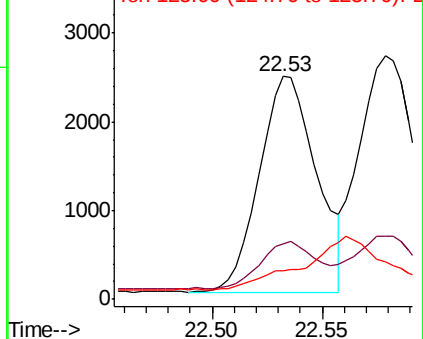
125 12.7 16.0 24.0#



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: 0.200 ng

RT: 22.58 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

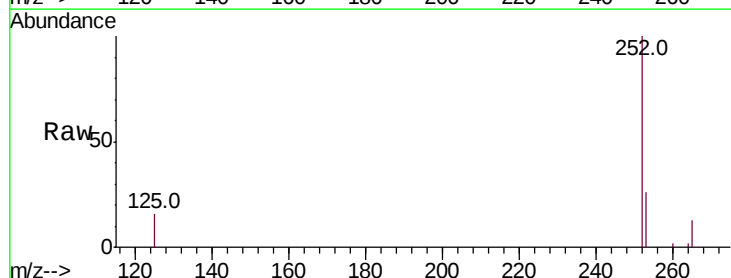
Tgt Ion:252 Resp: 5151

Ion Ratio Lower Upper

252 100

253 25.8 16.0 24.0#

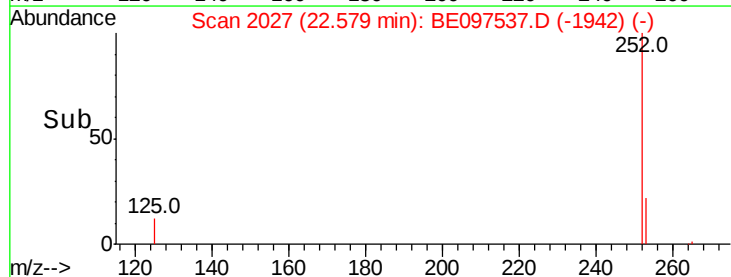
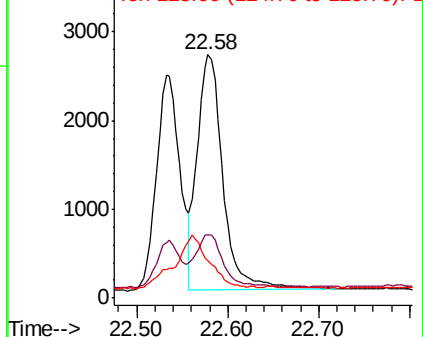
125 15.6 8.0 12.0#



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: 0.194 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampled :

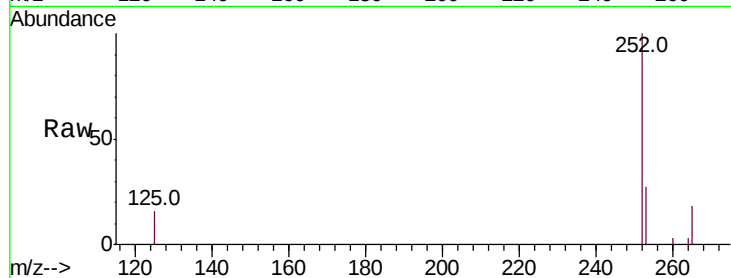
Tot Ion:252 Resp: 4537

Ion Ratio Lower Upper

252 100

253 27.1 16.0 24.0#

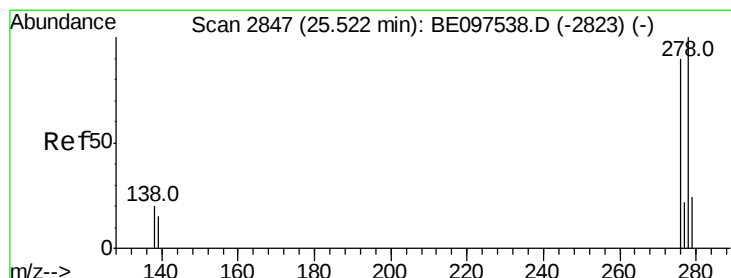
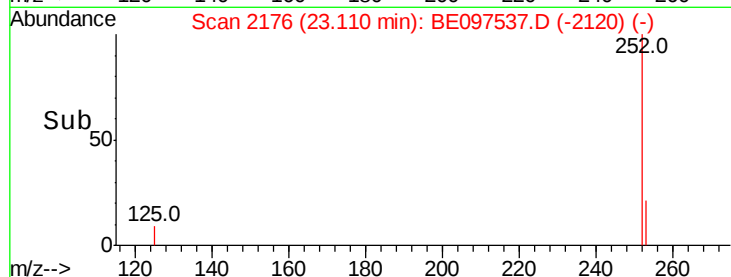
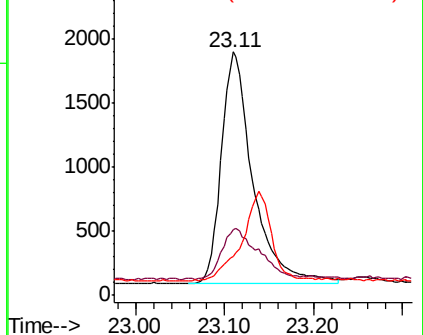
125 15.7 12.0 18.0



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: 0.188 ng

RT: 25.53 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

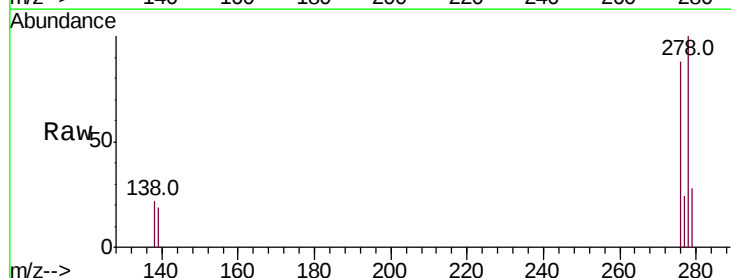
Tgt Ion:278 Resp: 4582

Ion Ratio Lower Upper

278 100

139 19.2 16.0 24.0

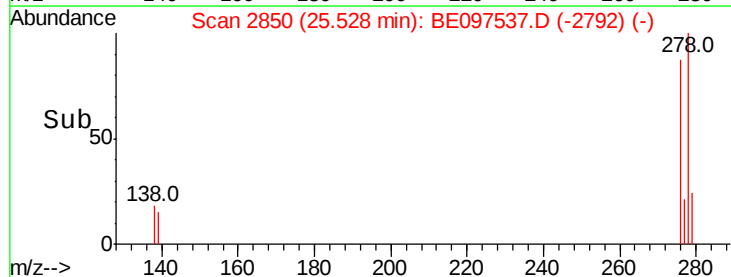
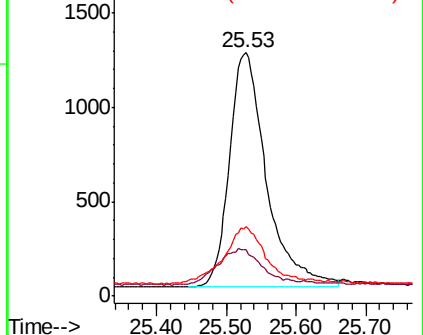
279 28.5 20.0 30.0



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: 0.182 ng

RT: 26.21 min Scan# 3042

Delta R.T. 0.01 min

Lab File: BE097537.D

Acq: 19 Sep 2018 13:05

Instrument :

BNA_E

ClientSampleId :

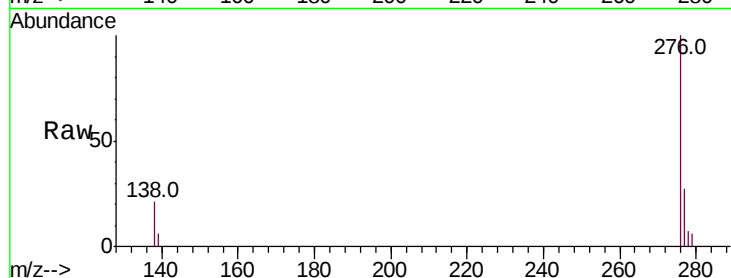
Tot Ion:276 Resp: 4535

Ion Ratio Lower Upper

276 100

277 26.7 16.0 24.0#

138 21.4 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

