

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097538.D
 Acq On : 19 Sep 2018 13:44
 Operator : SJ/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 19 15:49:01 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	7.38	152	756	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3643	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2032	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5536	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8542	0.40	ng	0.00
34) Perylene-d12	23.21	264	9011	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	834	0.33	ng	0.00
5) Phenol-d6	6.60	99	999	0.31	ng	0.00
8) Nitrobenzene-d5	8.52	82	998	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	1836	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	266	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	2664	0.38	ng	0.00
25) Fluoranthene-d10	18.80	212	26011	0.39	ng	0.00
29) Terphenyl-d14	19.42	244	5709	0.35	ng	0.00

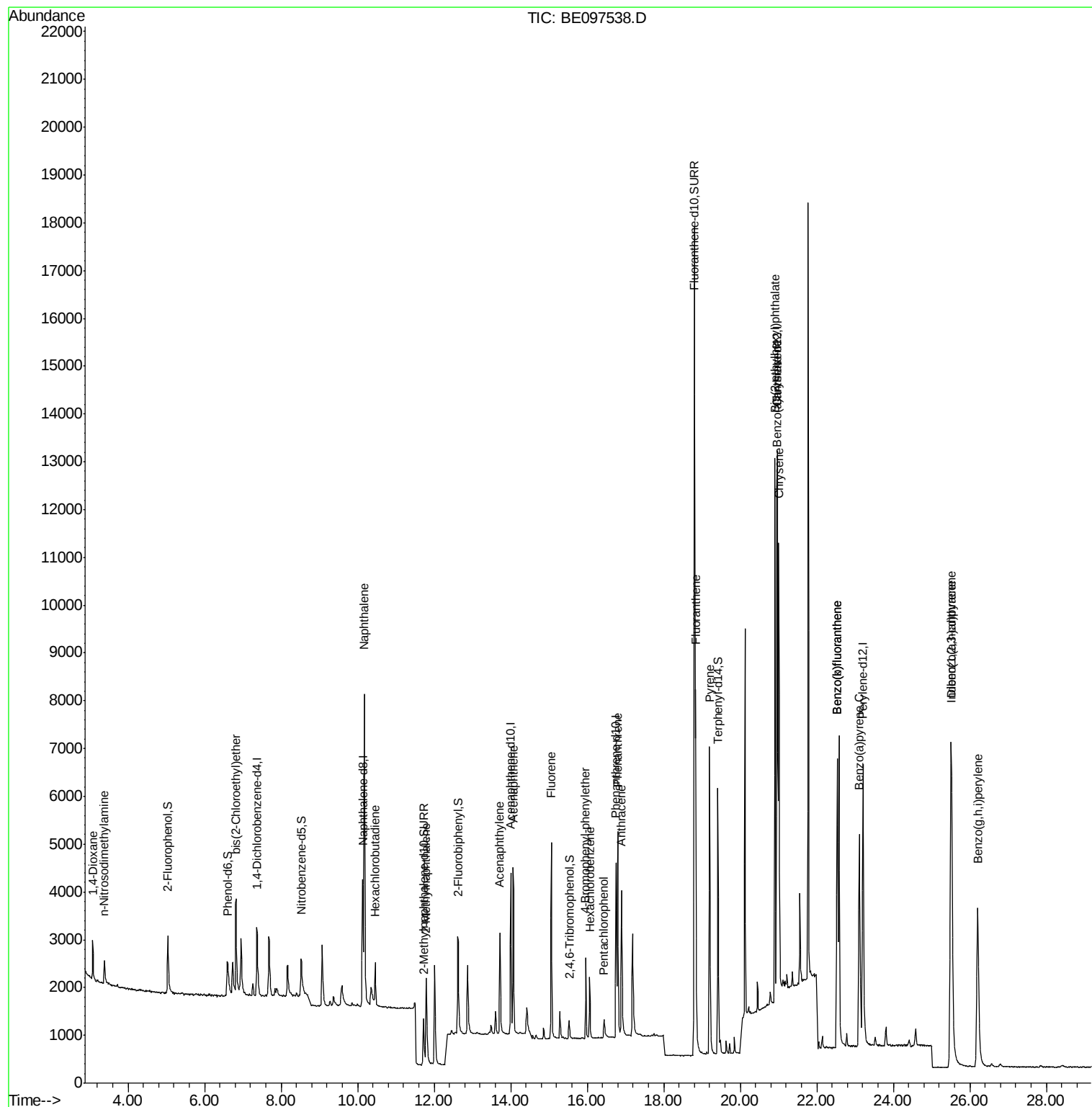
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	543	0.415	ng	# 82
3) n-Nitrosodimethylamine	3.37	42	385	0.352	ng	# 80
6) bis(2-Chloroethyl)ether	6.83	93	982	0.378	ng	88
9) Naphthalene	10.17	128	12210	0.369	ng	99
10) Hexachlorobutadiene	10.46	225	574	0.366	ng	97
12) 2-Methylnaphthalene	11.79	142	1862	0.352	ng	98
16) Acenaphthylene	13.71	152	2865	0.324	ng	100
17) Acenaphthene	14.06	154	2015	0.369	ng	99
18) Fluorene	15.06	166	2559	0.368	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	914	0.342	ng	# 85
21) Hexachlorobenzene	16.07	284	1032	0.364	ng	# 85
22) Pentachlorophenol	16.44	266	306	0.622	ng	82
23) Phenanthrene	16.80	178	4791	0.368	ng	97
24) Anthracene	16.89	178	4134	0.344	ng	95
26) Fluoranthene	18.83	202	6709	0.395	ng	98
28) Pyrene	19.20	202	7151	0.325	ng	99
30) Benzo(a)anthracene	20.95	228	7707	0.343	ng	97
31) Chrysene	21.00	228	8818	0.383	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	12597	0.264	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.50	276	10742	0.391	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8253	0.358	ng	# 90
36) Benzo(k)fluoranthene	22.53	252	8253	0.328	ng	94
37) Benzo(a)pyrene	23.11	252	8209	0.359	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	8877	0.372	ng	95
39) Benzo(g,h,i)perylene	26.20	276	8710	0.357	ng	# 87

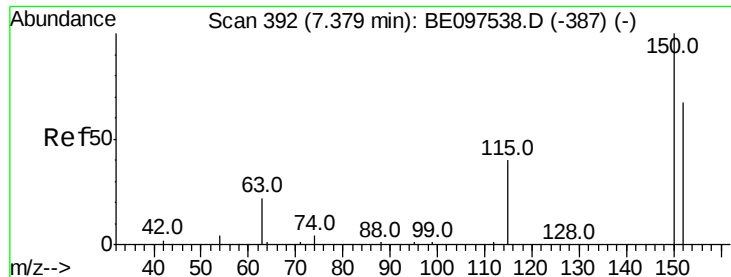
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
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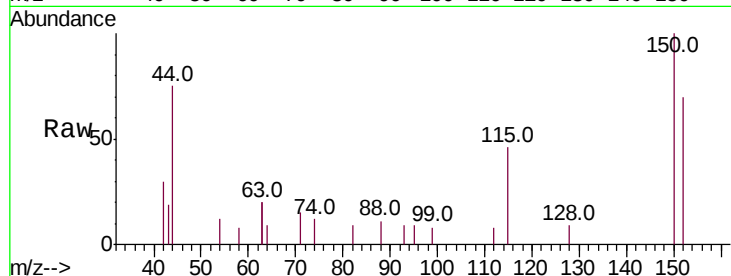


#1

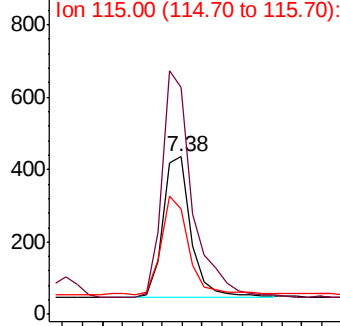
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097538.D
Acq: 19 Sep 2018 13:44

Instrument :
BNA_E
ClientSampled :

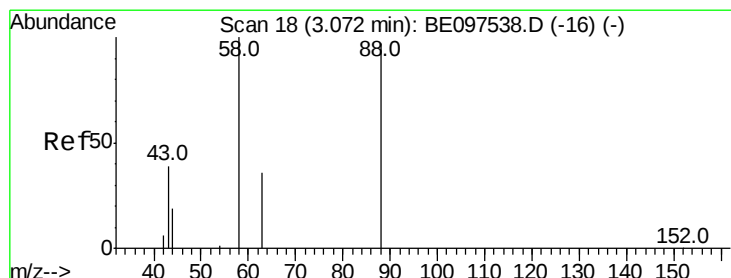
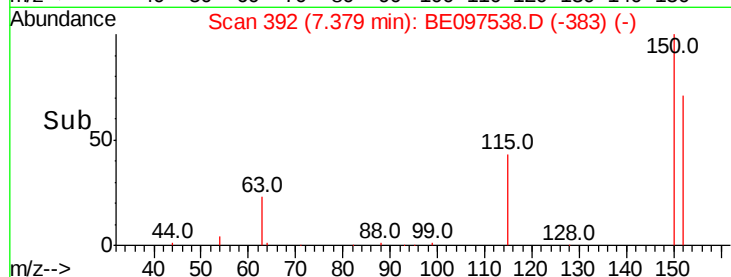
Tot Ion:152 Resp: 756
Ion Ratio Lower Upper
152 100
150 143.8 117.2 175.8
115 66.7 57.0 85.6



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



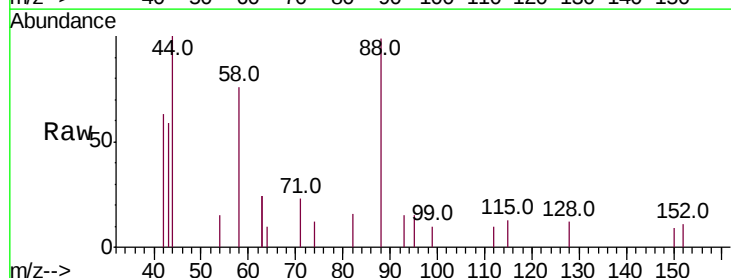
Time-->



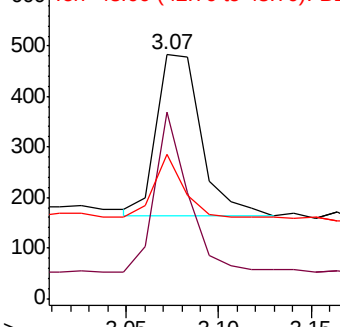
#2

1,4-Dioxane
Concen: 0.415 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097538.D
Acq: 19 Sep 2018 13:44

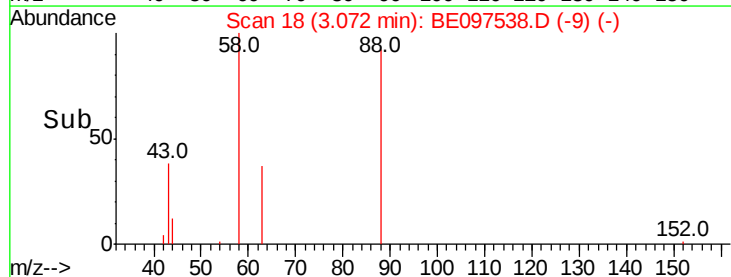
Tgt Ion: 88 Resp: 543
Ion Ratio Lower Upper
88 100
58 73.8 63.2 94.8
43 25.8 41.2 61.8#

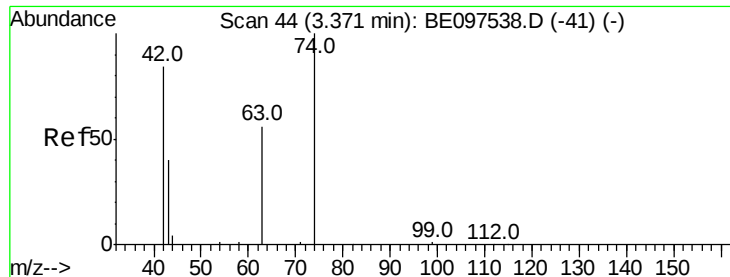


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time-->



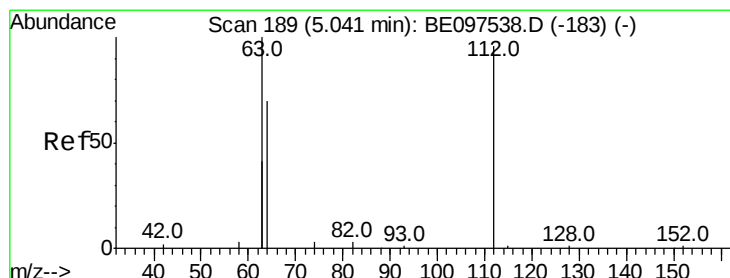
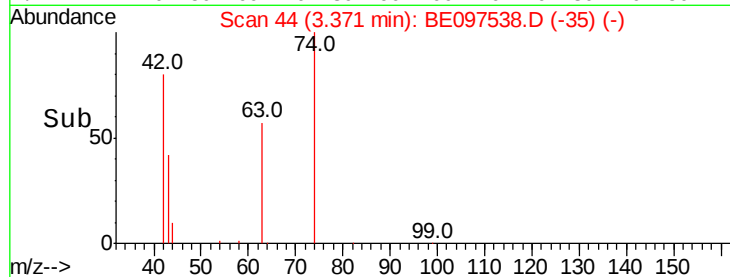
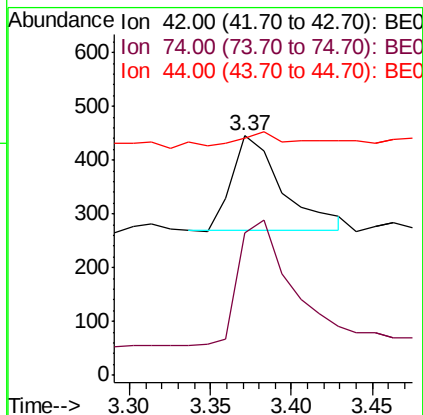
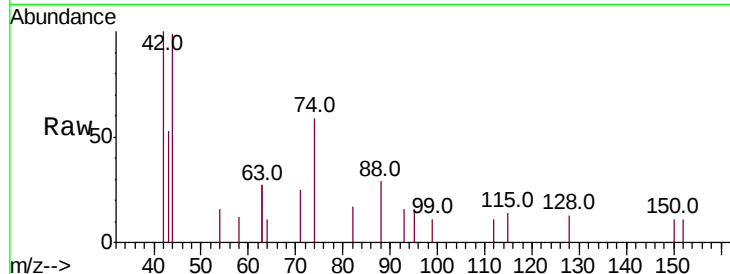


#3

n-Nitrosodimethylamine
 Concen: 0.352 ng
 RT: 3.37 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: BE097538.D
 Acq: 19 Sep 2018 13:44

Instrument :
 BNA_E
 ClientSampled :

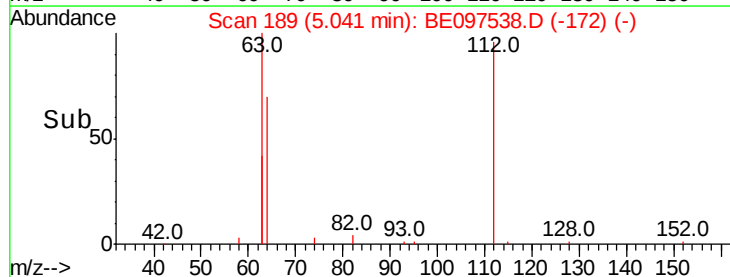
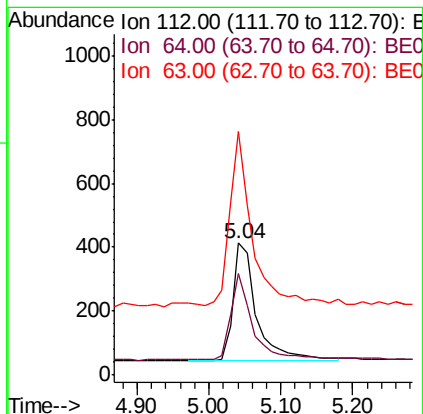
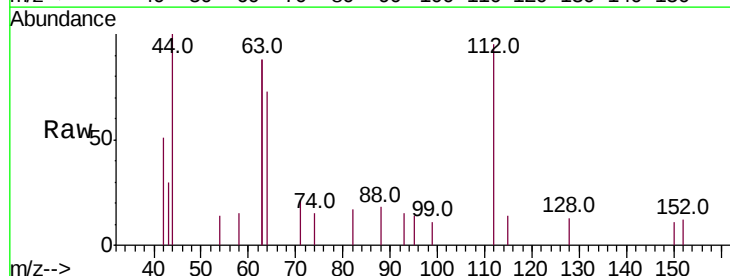
Tot Ion: 42 Resp: 385
 Ion Ratio Lower Upper
 42 100
 74 142.9 96.0 144.0
 44 21.3 12.0 18.0#

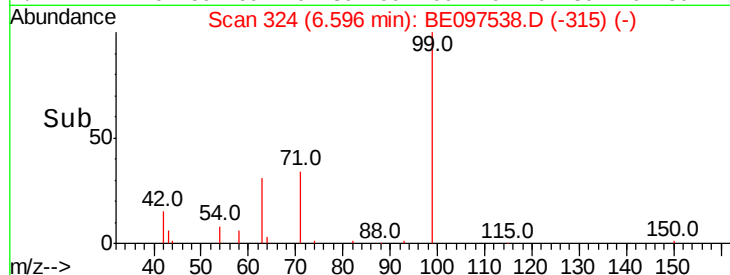
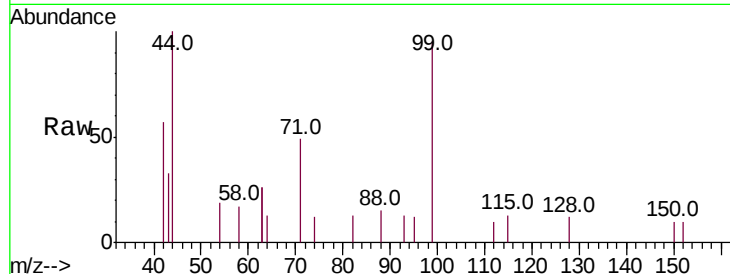
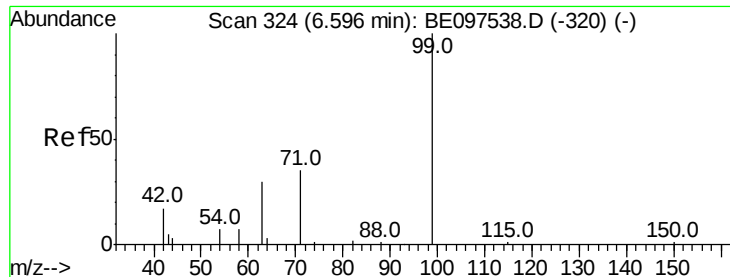


#4

2-Fluorophenol
 Concen: 0.326 ng
 RT: 5.04 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: BE097538.D
 Acq: 19 Sep 2018 13:44

Tgt Ion: 112 Resp: 834
 Ion Ratio Lower Upper
 112 100
 64 65.1 60.1 90.1
 63 142.9 116.8 175.2





#5

Phenol-d6

Concen: 0.307 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampled :

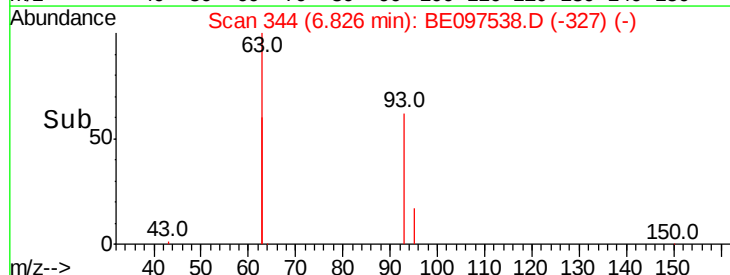
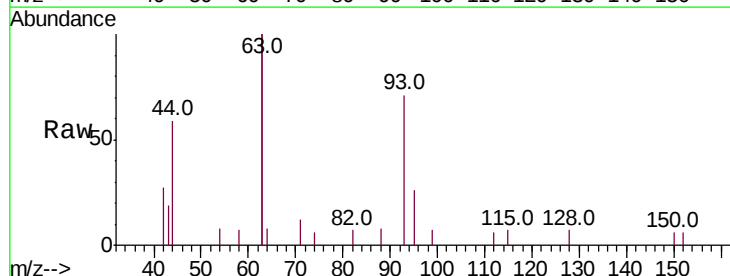
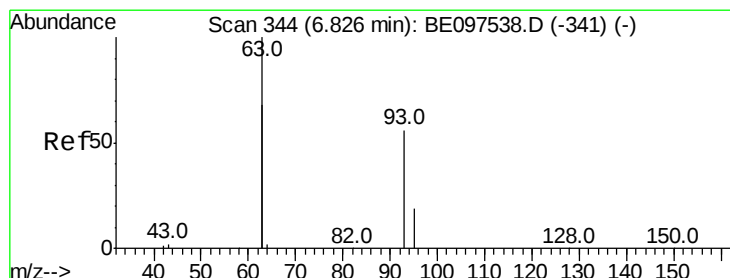
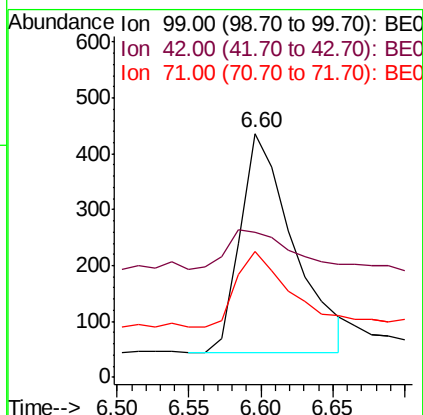
Tot Ion: 99 Resp: 999

Ion Ratio Lower Upper

99 100

42 20.4 20.2 30.2

71 33.8 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.378 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

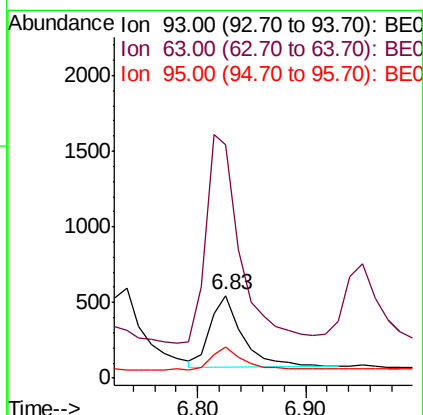
Tgt Ion: 93 Resp: 982

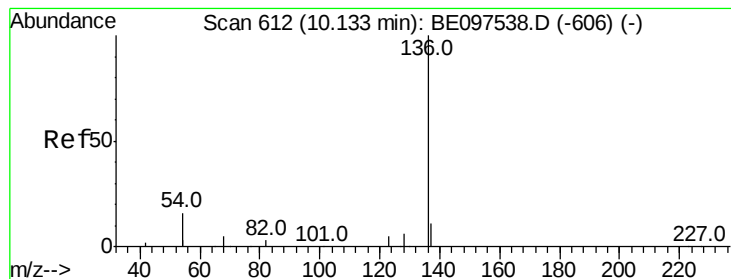
Ion Ratio Lower Upper

93 100

63 315.7 275.3 412.9

95 30.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3643

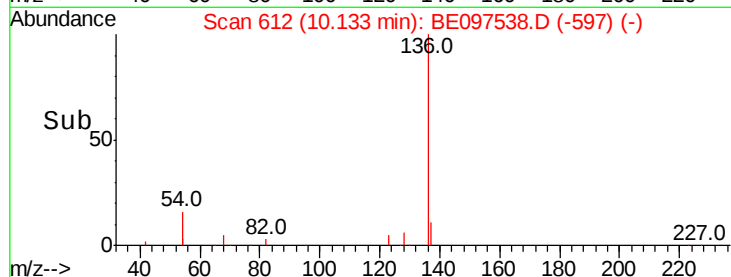
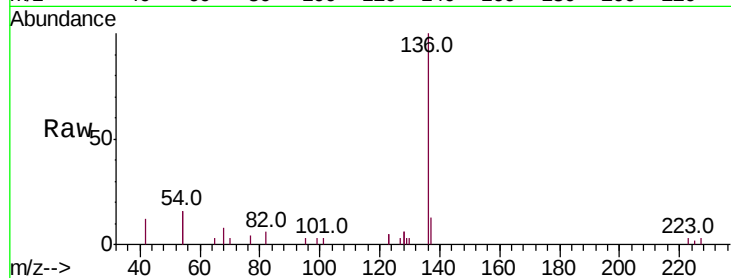
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 32.0 29.1 43.7

68 7.6 6.2 9.2

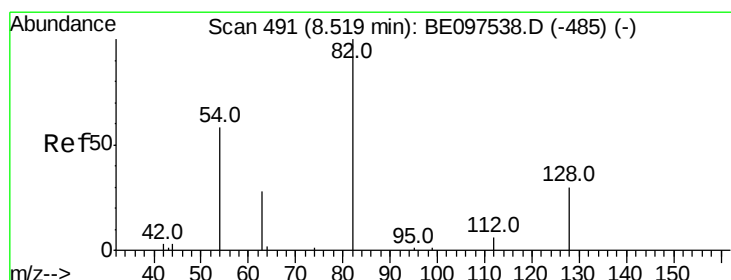
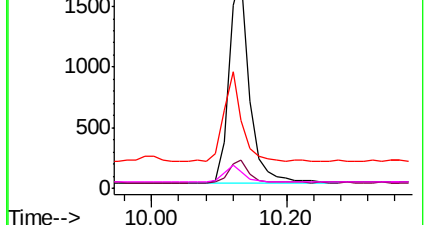


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.340 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

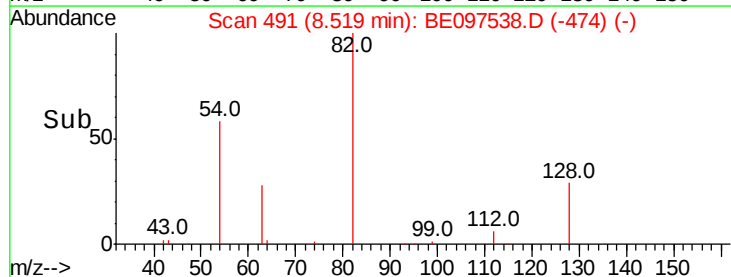
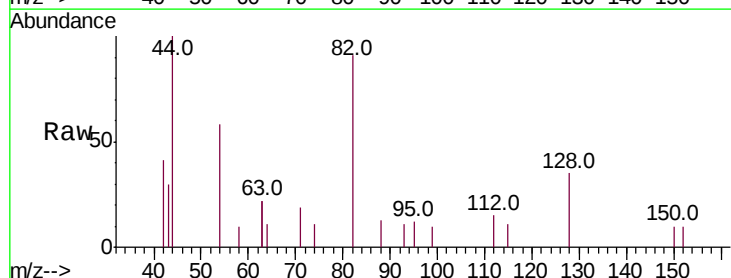
Tgt Ion: 82 Resp: 998

Ion Ratio Lower Upper

82 100

128 38.4 24.0 36.0#

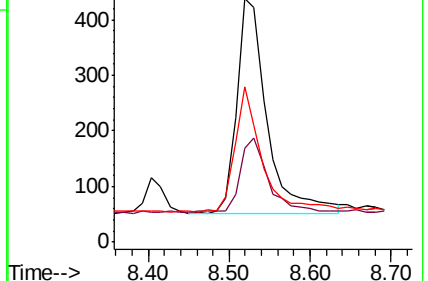
54 63.7 40.0 60.0#

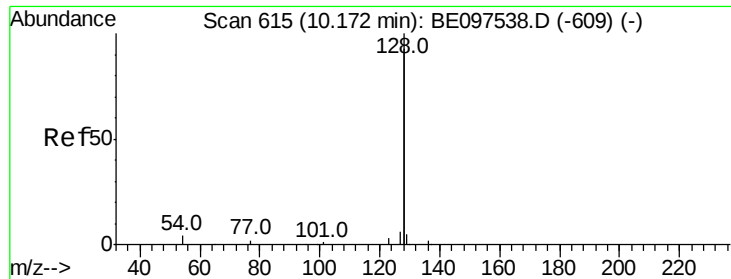


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.369 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

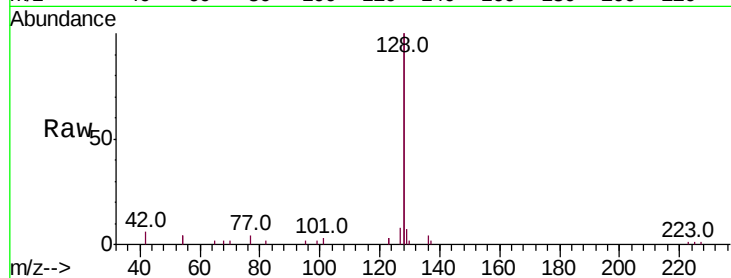
Tot Ion:128 Resp: 12210

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

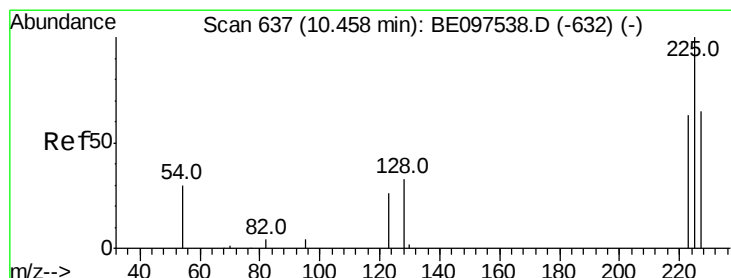
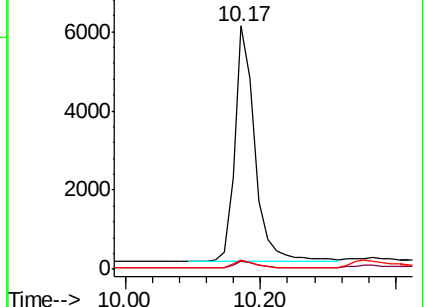
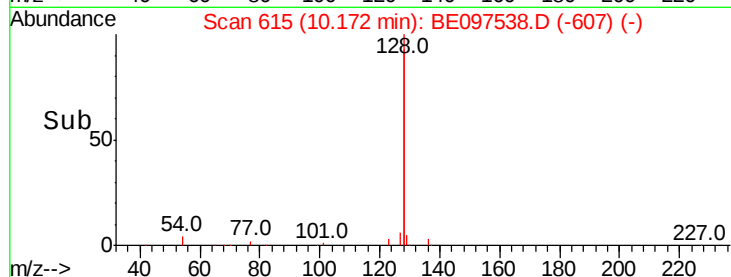
127 3.9 2.8 4.2



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: 0.366 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

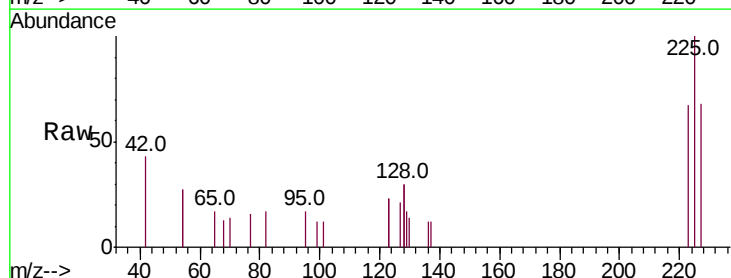
Tgt Ion:225 Resp: 574

Ion Ratio Lower Upper

225 100

223 62.2 53.0 79.6

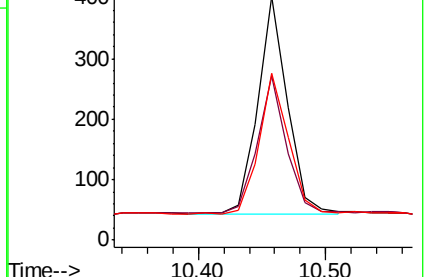
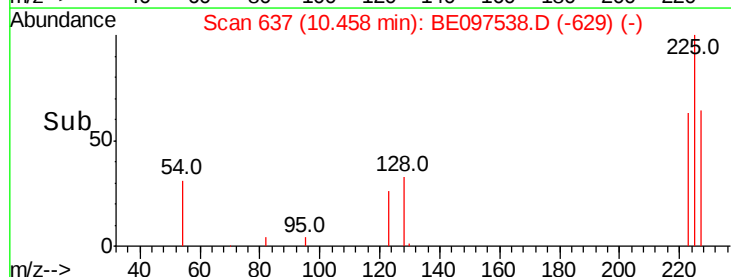
227 64.6 51.4 77.2

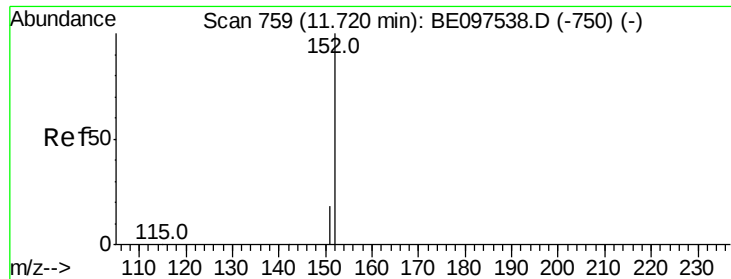


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.353 ng

RT: 11.72 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

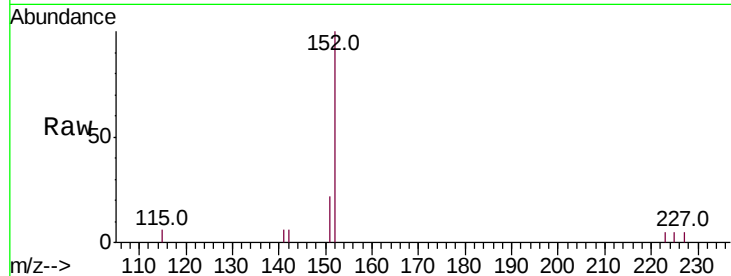
ClientSampleId :

Tot Ion:152 Resp: 1836

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

800

600

400

200

0

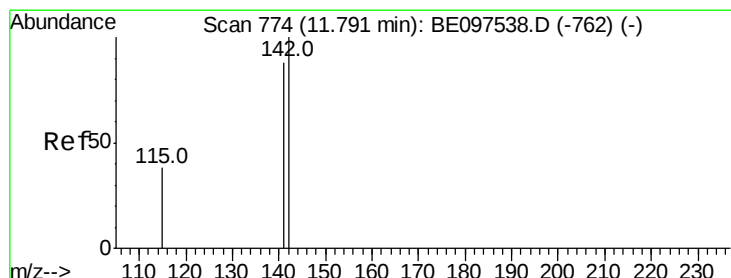
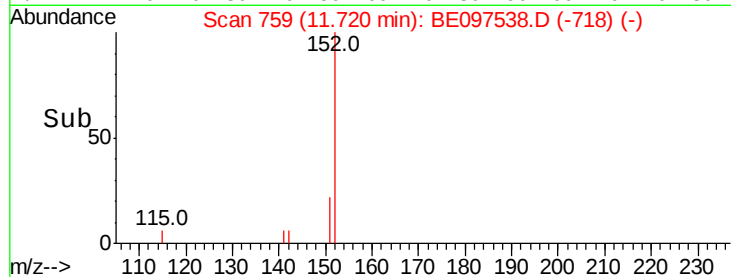
Time-->

11.60

11.70

11.80

11.90



#12

2-Methylnaphthalene

Concen: 0.352 ng

RT: 11.79 min Scan# 774

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

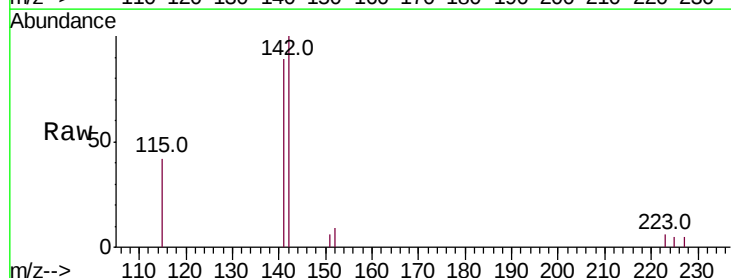
Tgt Ion:142 Resp: 1862

Ion Ratio Lower Upper

142 100

141 88.6 70.4 105.6

115 42.0 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

11.79

800

600

400

200

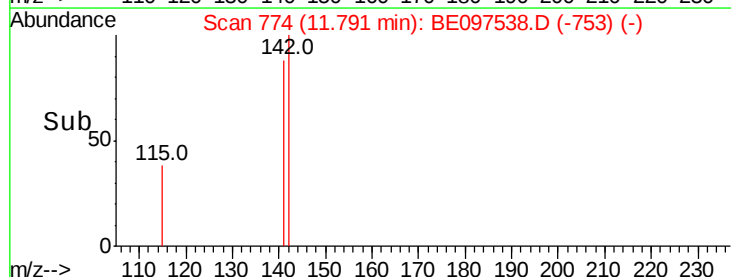
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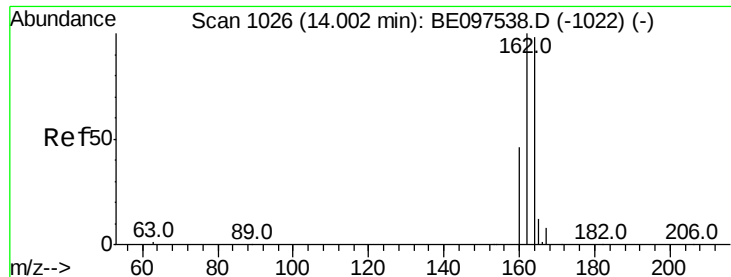
Time-->

11.70

11.80

11.90

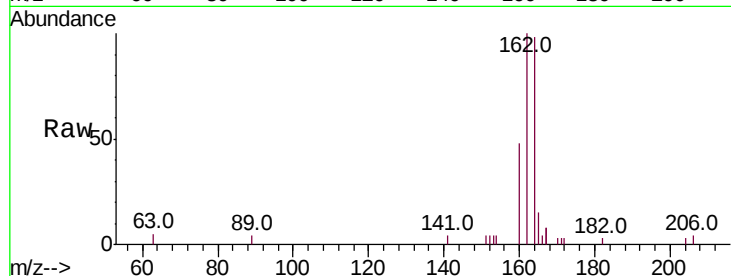




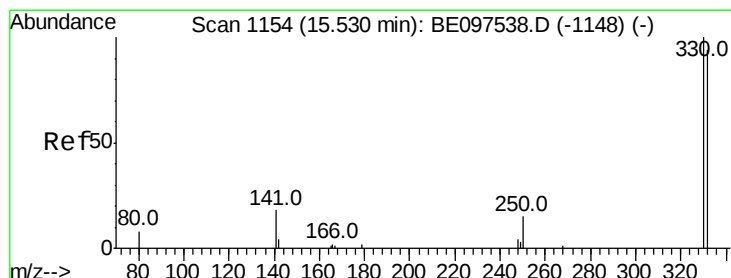
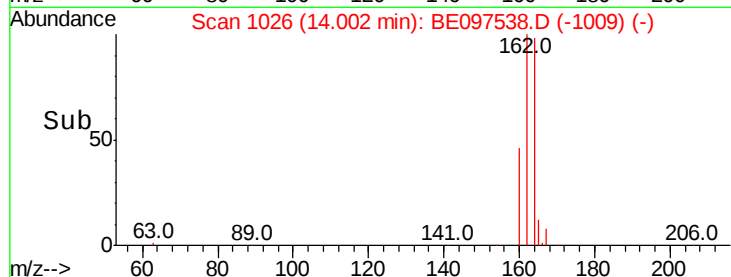
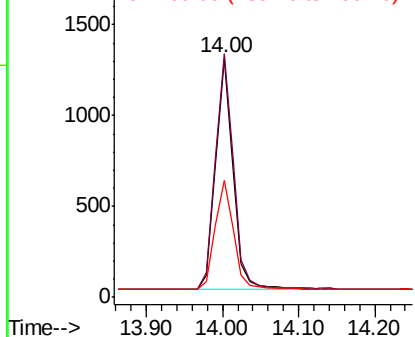
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BE097538.D
 Acq: 19 Sep 2018 13:44

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2032
 Ion Ratio Lower Upper
 164 100
 162 101.9 83.1 124.7
 160 49.0 37.1 55.7

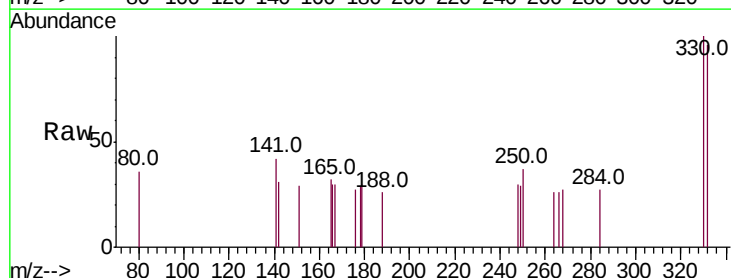


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

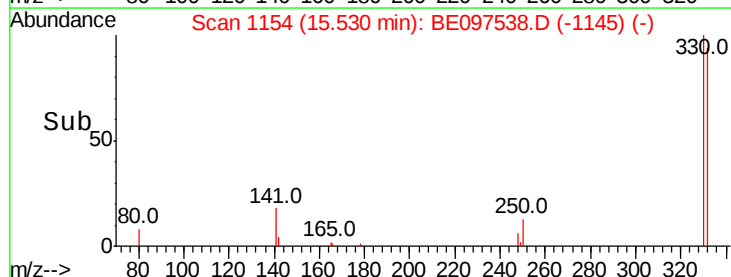
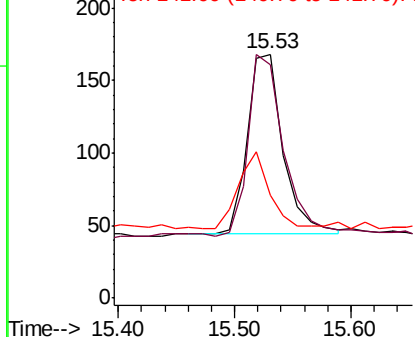


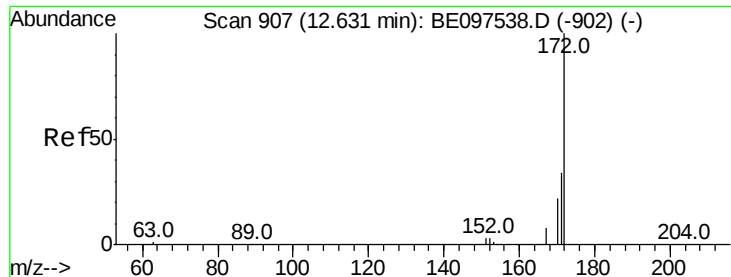
#14
 2,4,6-Tribromophenol
 Concen: 0.248 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097538.D
 Acq: 19 Sep 2018 13:44

Tgt Ion:330 Resp: 266
 Ion Ratio Lower Upper
 330 100
 332 100.8 152.7 229.1#
 141 37.2 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

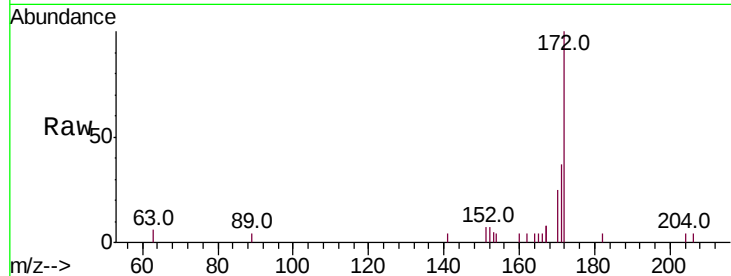




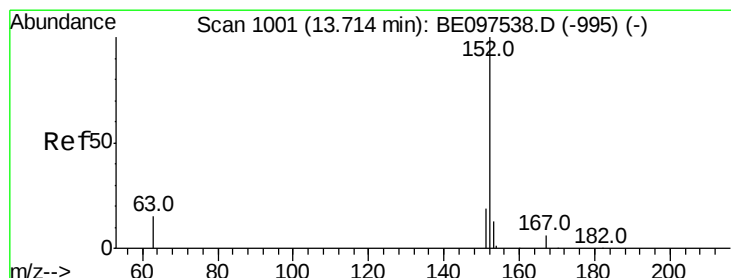
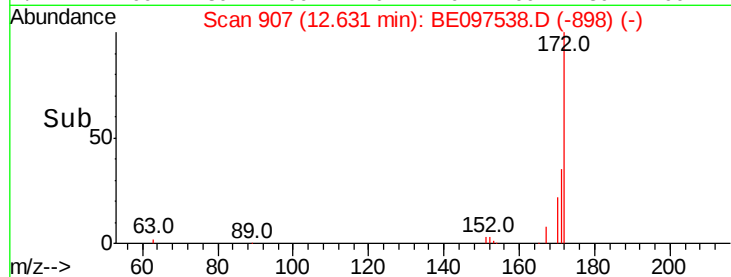
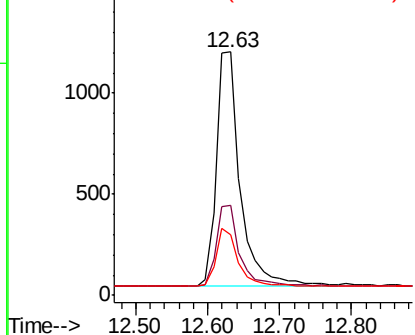
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 12.63 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097538.D
Acq: 19 Sep 2018 13:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2664
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 25.1 21.8 32.8

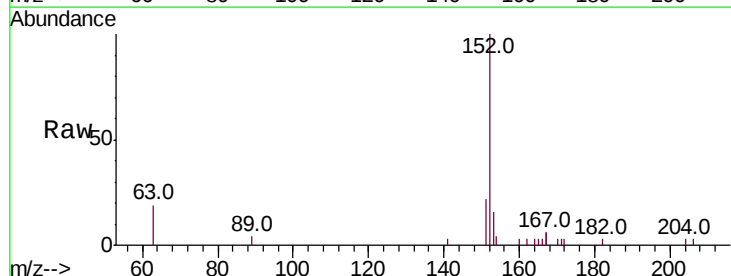


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

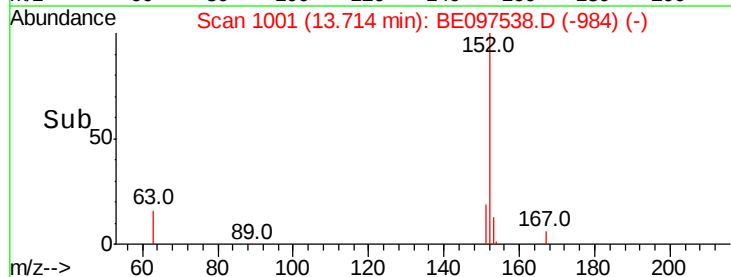
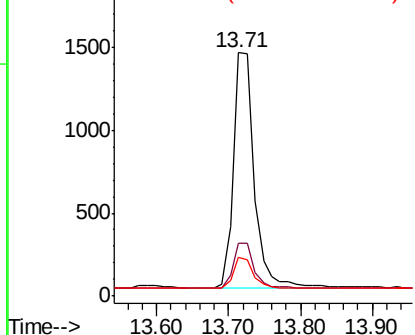


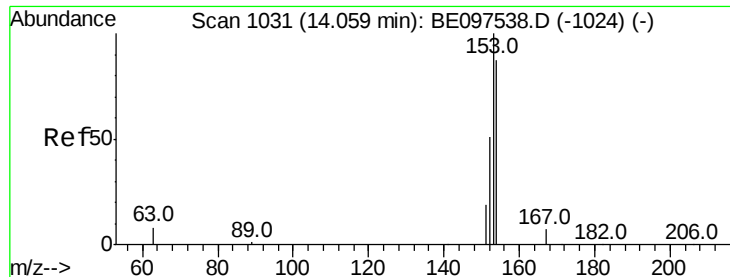
#16
Acenaphthylene
Concen: 0.324 ng
RT: 13.71 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097538.D
Acq: 19 Sep 2018 13:44

Tgt Ion:152 Resp: 2865
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 12.8 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

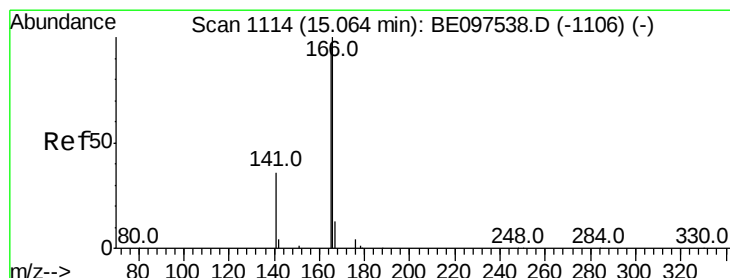
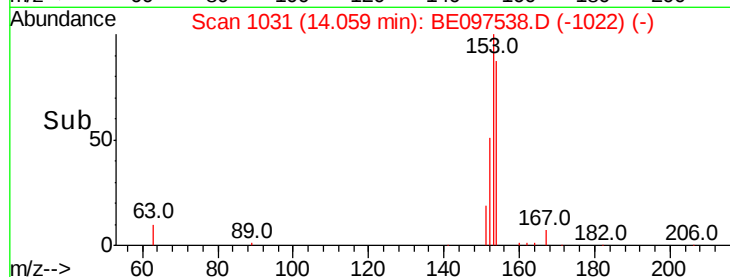
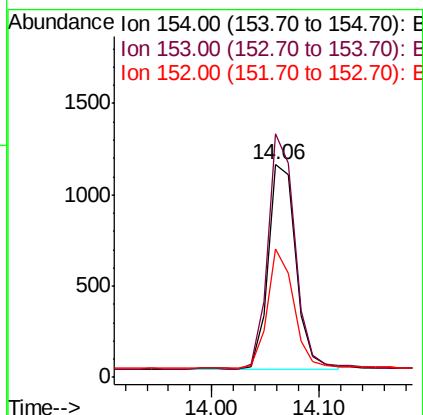
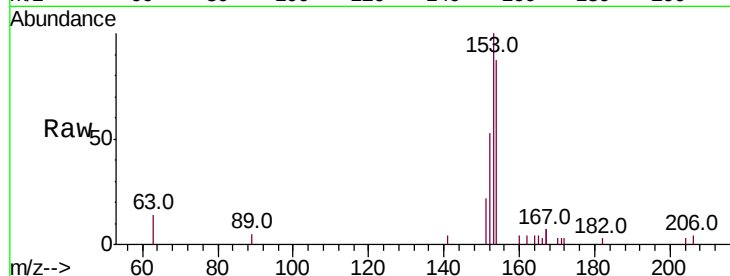




#17
Acenaphthene
Concen: 0.369 ng
RT: 14.06 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BE097538.D
Acq: 19 Sep 2018 13:44

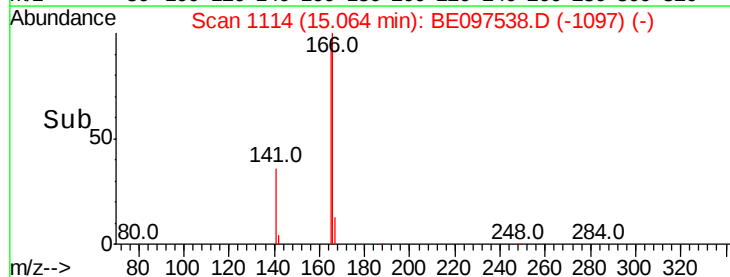
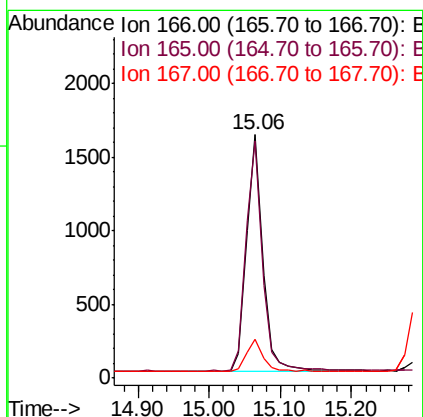
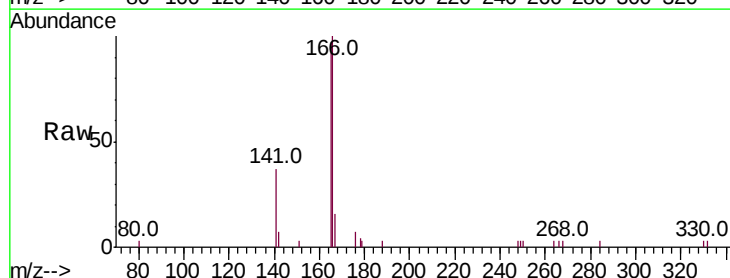
Instrument :
BNA_E
ClientSampleId :

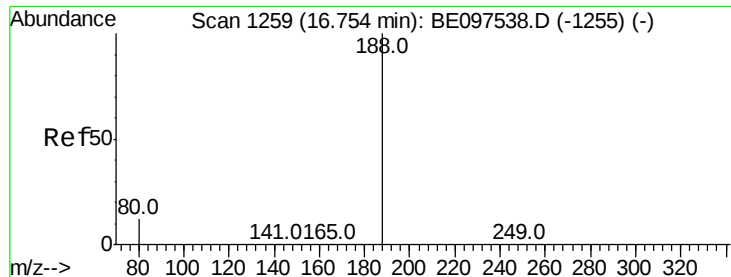
Tot Ion:154 Resp: 2015
Ion Ratio Lower Upper
154 100
153 110.9 89.2 133.8
152 54.4 42.0 63.0



#18
Fluorene
Concen: 0.368 ng
RT: 15.06 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BE097538.D
Acq: 19 Sep 2018 13:44

Tgt Ion:166 Resp: 2559
Ion Ratio Lower Upper
166 100
165 99.5 77.8 116.6
167 13.8 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

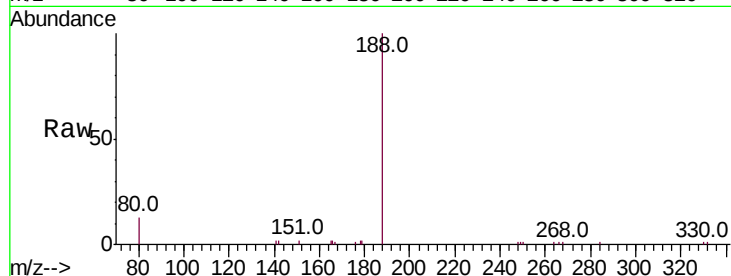
Tot Ion:188 Resp: 5536

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

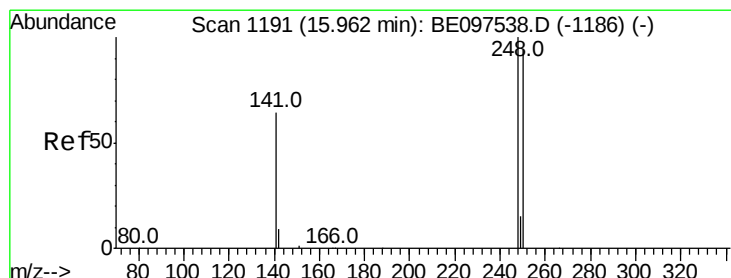
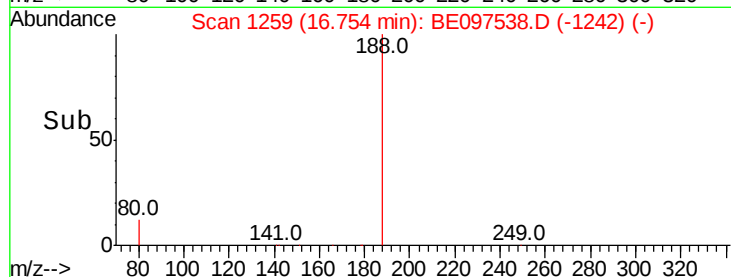
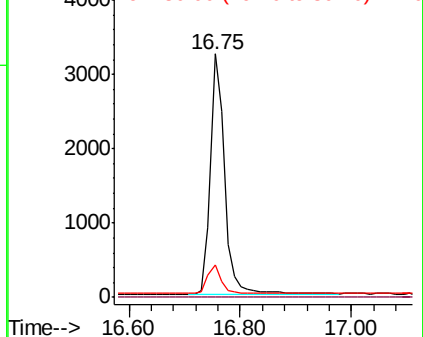
80 13.5 3.6 5.4#



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: 0.342 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

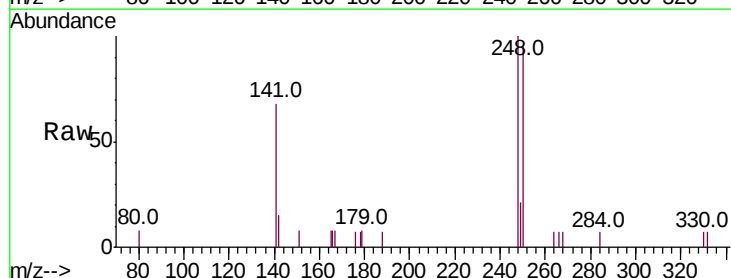
Tgt Ion:248 Resp: 914

Ion Ratio Lower Upper

248 100

250 94.8 62.7 94.1#

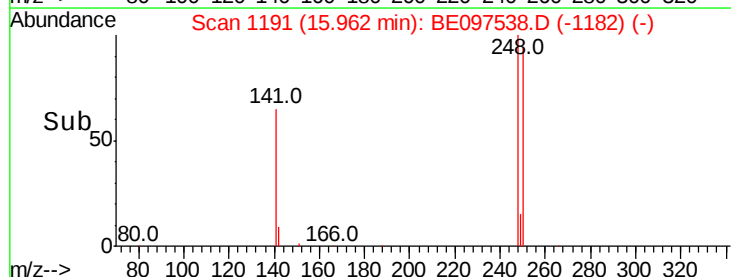
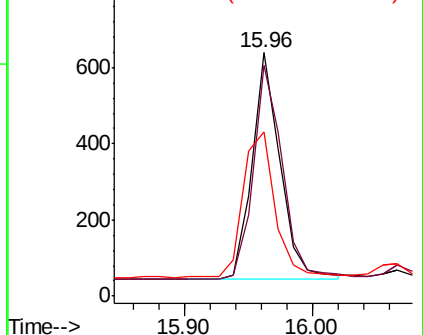
141 67.8 48.2 72.2

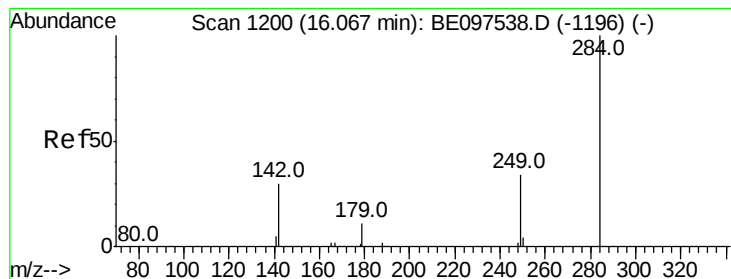


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.364 ng

RT: 16.07 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

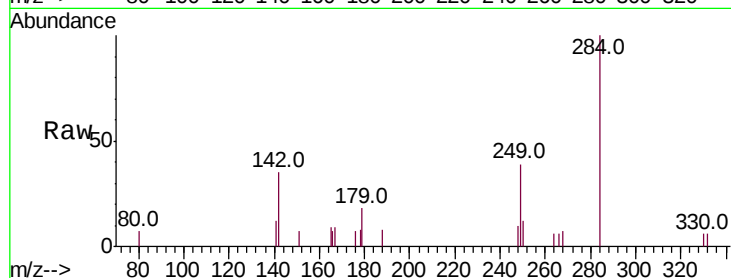
Tot Ion:284 Resp: 1032

Ion Ratio Lower Upper

284 100

142 32.4 22.1 33.1

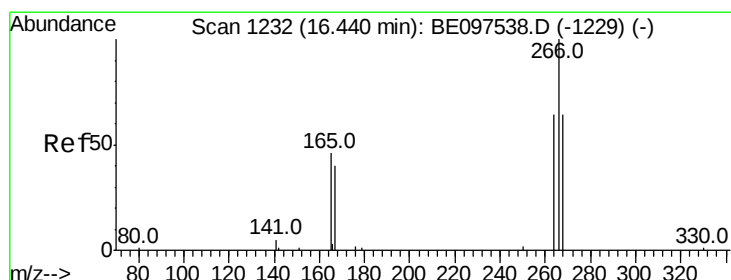
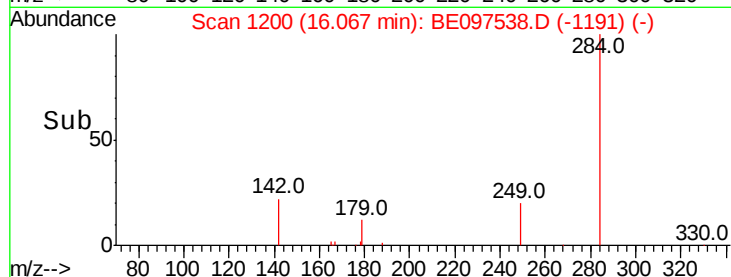
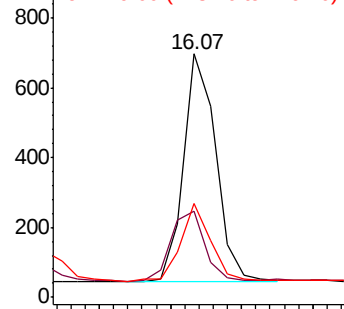
249 31.5 34.8 52.2#



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: 0.622 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

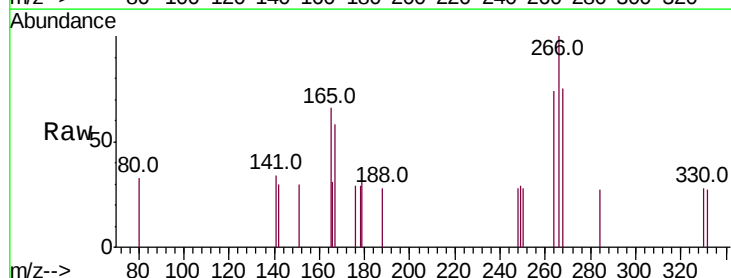
Tgt Ion:266 Resp: 306

Ion Ratio Lower Upper

266 100

264 73.6 72.5 108.7

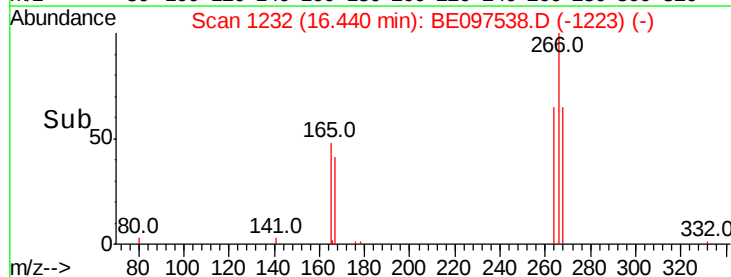
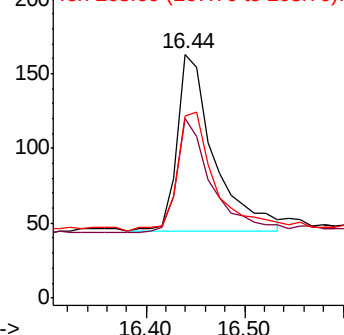
268 74.8 73.8 110.6

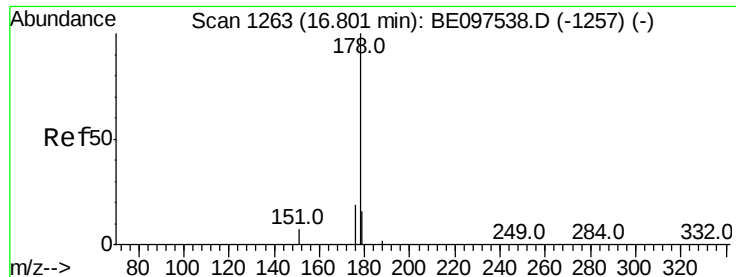


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.368 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

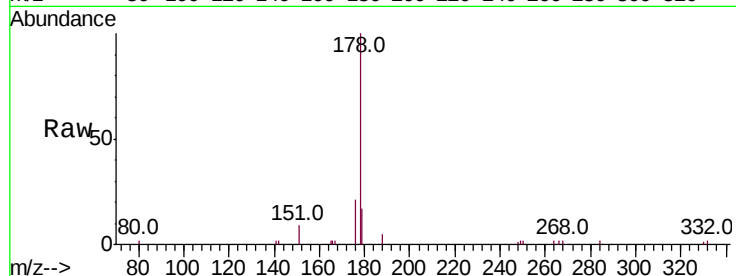
Tot Ion:178 Resp: 4791

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

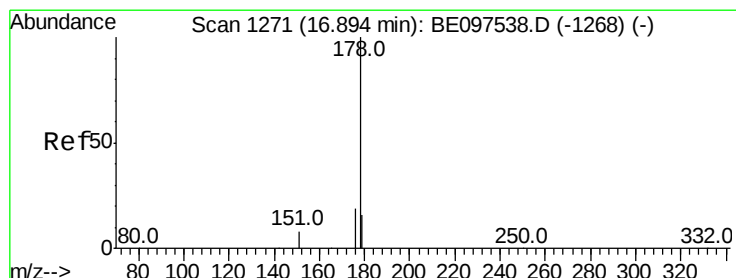
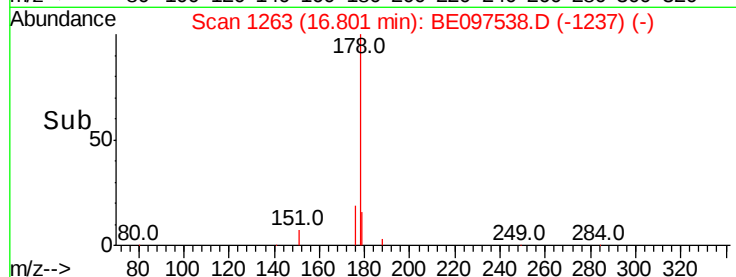
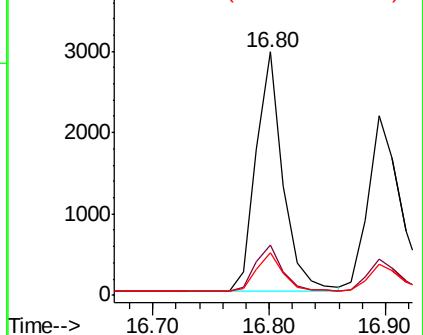
179 16.3 11.8 17.6



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: 0.344 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

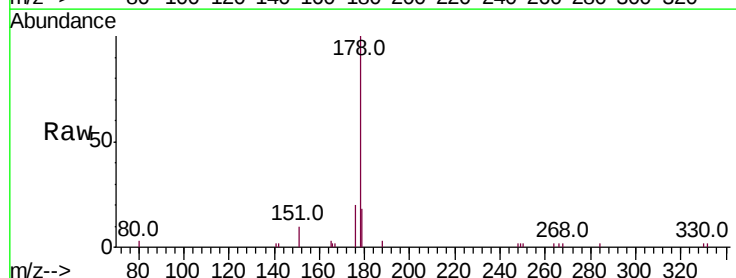
Tgt Ion:178 Resp: 4134

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

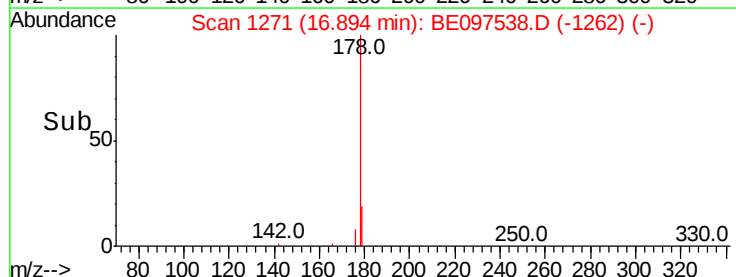
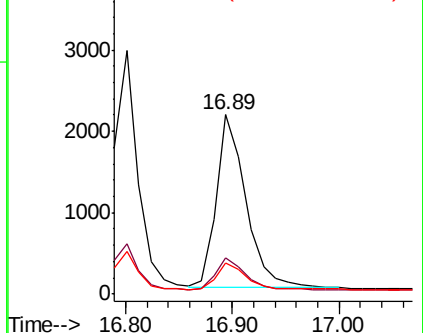
179 14.8 13.0 19.6

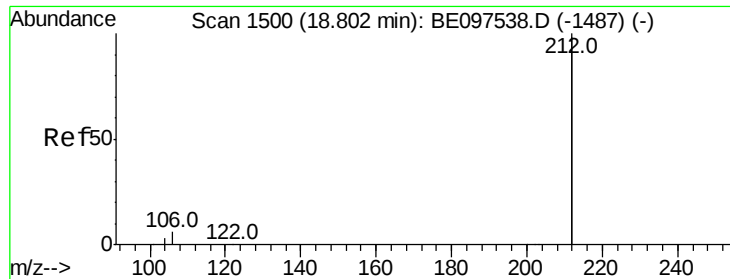


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.391 ng

RT: 18.80 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

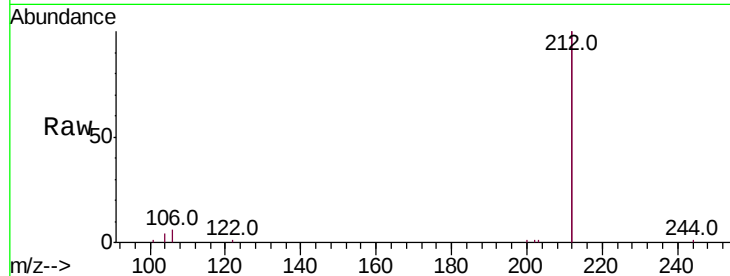
Tot Ion:212 Resp: 26011

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

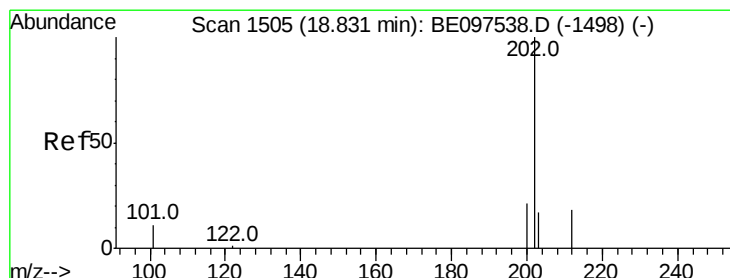
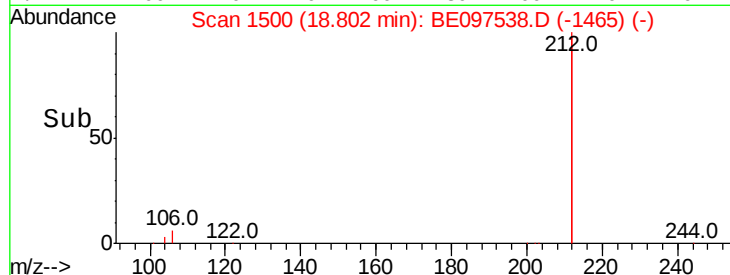
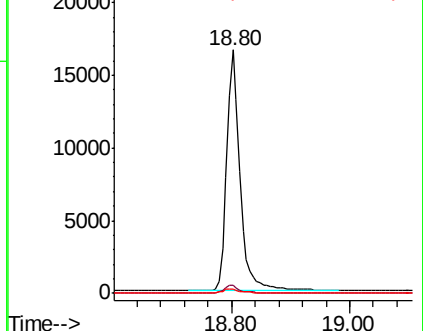
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.395 ng

RT: 18.83 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

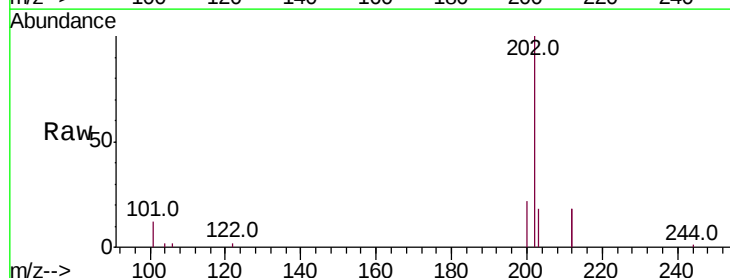
Tgt Ion:202 Resp: 6709

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

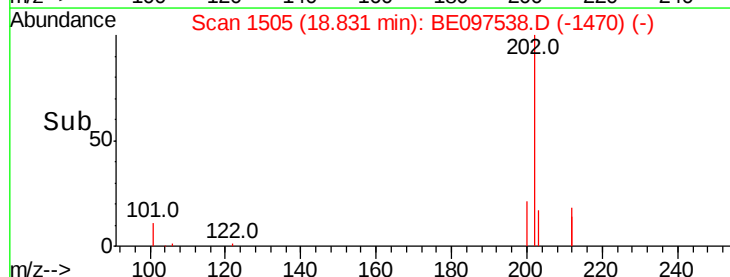
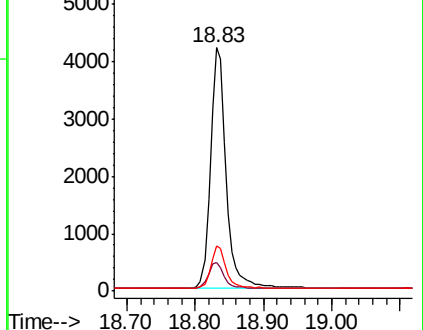
203 17.1 13.7 20.5

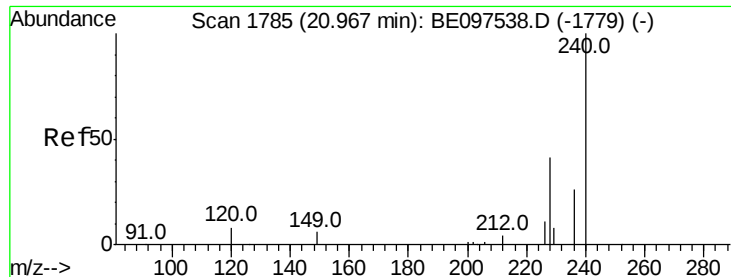


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

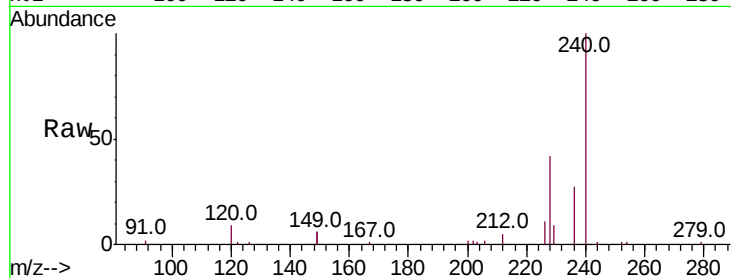
Tot Ion:240 Resp: 8542

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

236 27.1 20.7 31.1

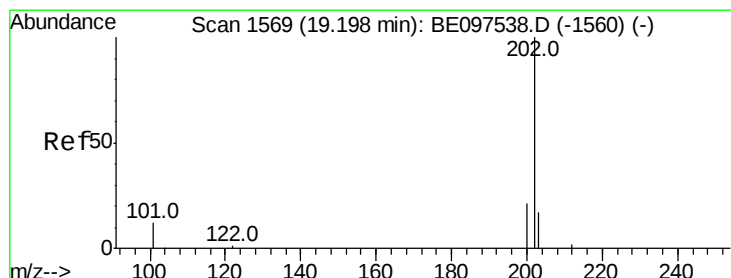
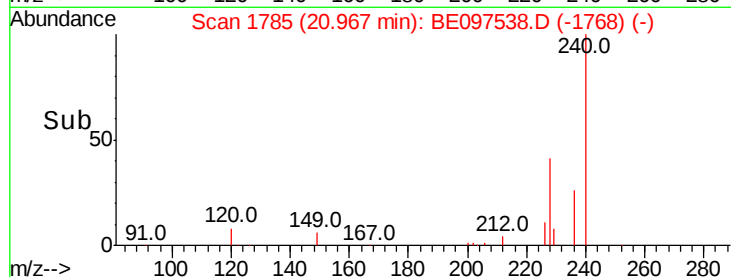
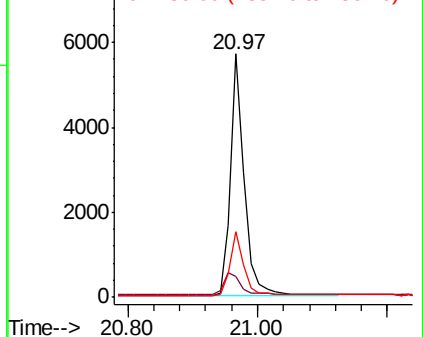


Abundance

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: 0.325 ng

RT: 19.20 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

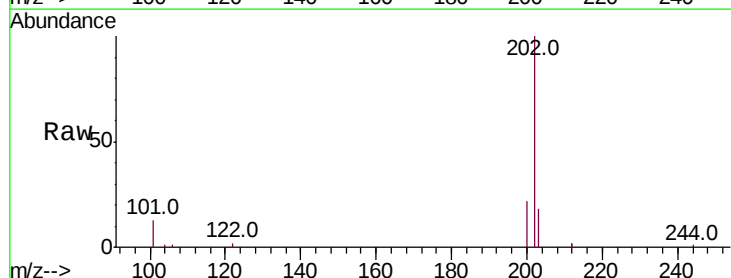
Tgt Ion:202 Resp: 7151

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

203 17.5 13.8 20.8

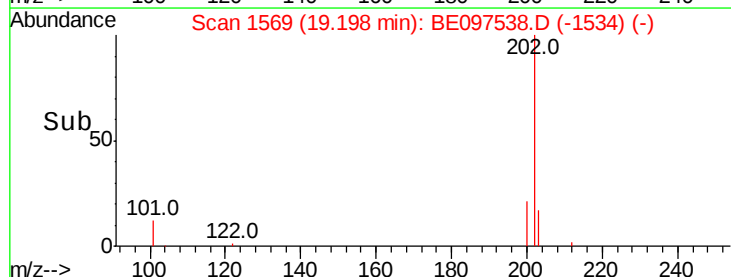
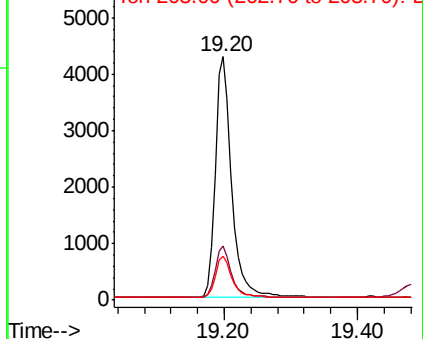


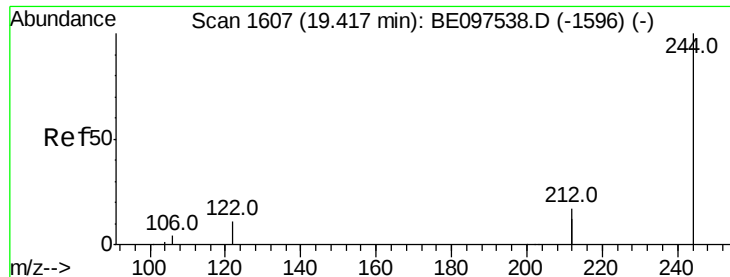
Abundance

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: 0.349 ng

RT: 19.42 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampled :

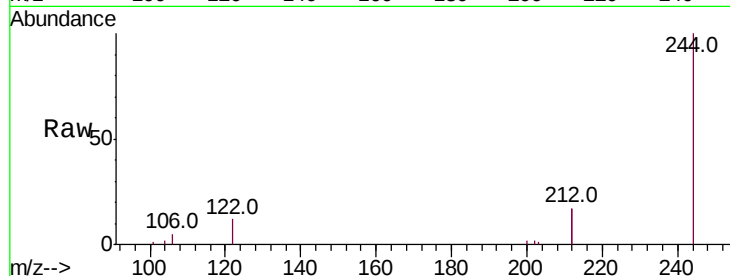
Tot Ion:244 Resp: 5709

Ion Ratio Lower Upper

244 100

212 33.3 25.4 38.0

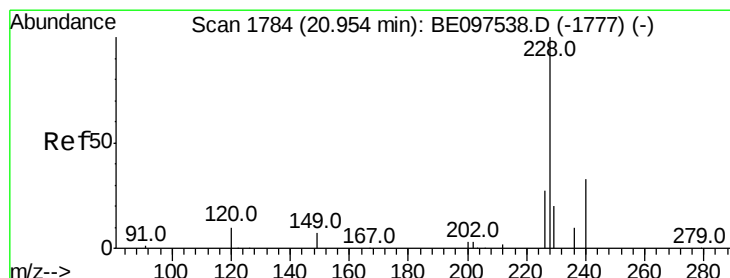
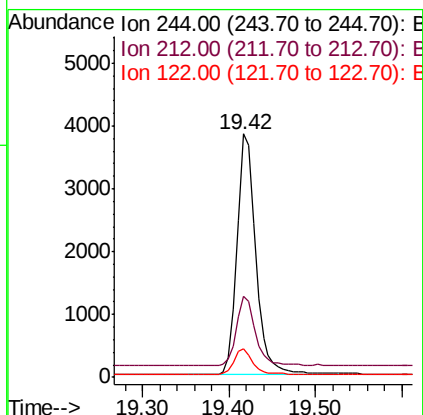
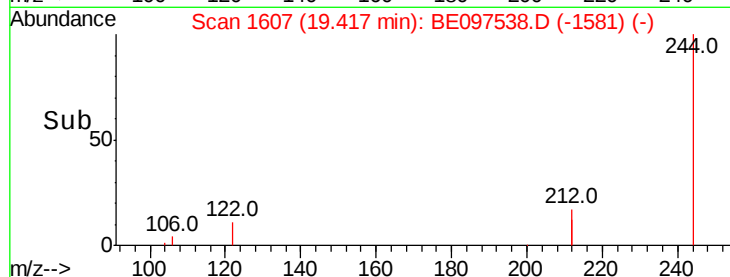
122 11.9 8.1 12.1



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: 0.343 ng

RT: 20.95 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

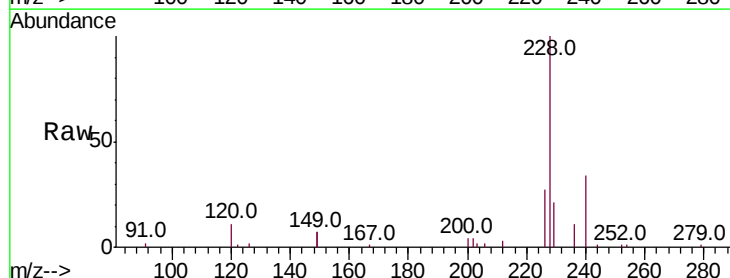
Tgt Ion:228 Resp: 7707

Ion Ratio Lower Upper

228 100

226 27.3 24.0 36.0

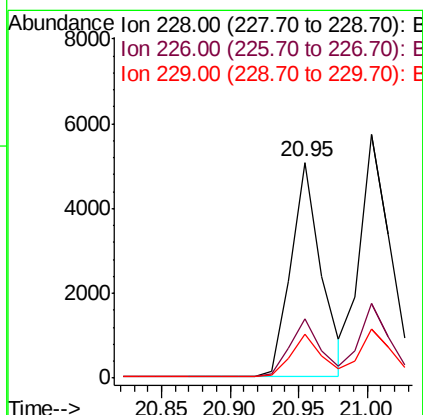
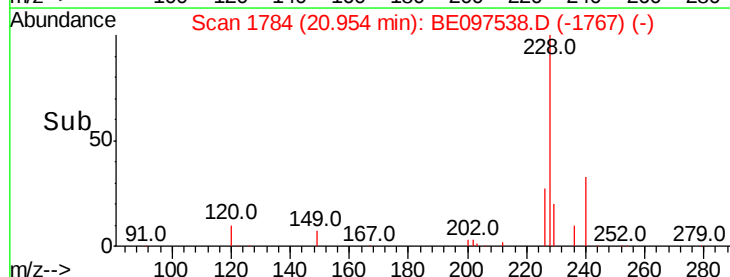
229 20.6 16.0 24.0

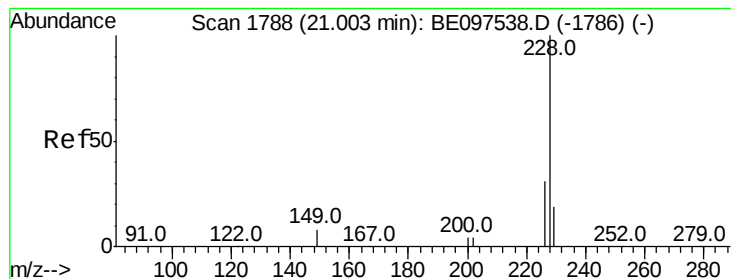


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.383 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

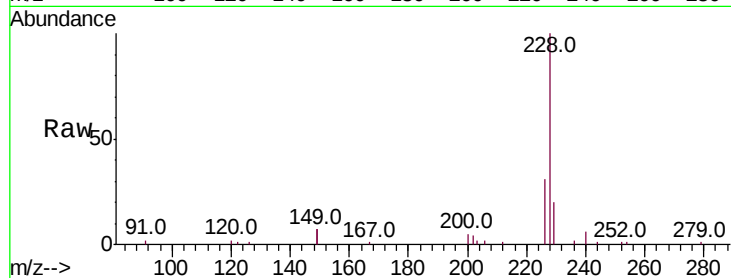
Tot Ion:228 Resp: 8818

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

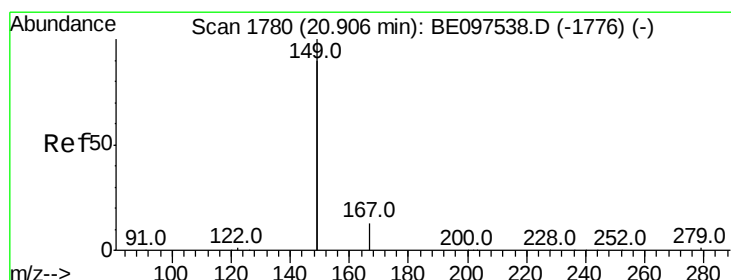
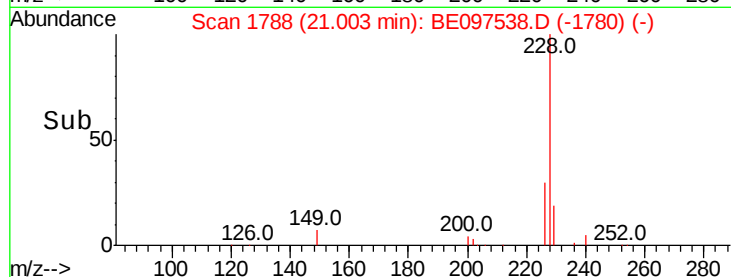
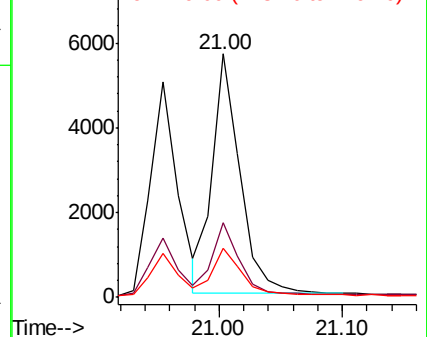
229 20.1 16.0 24.0



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: 0.264 ng

RT: 20.91 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

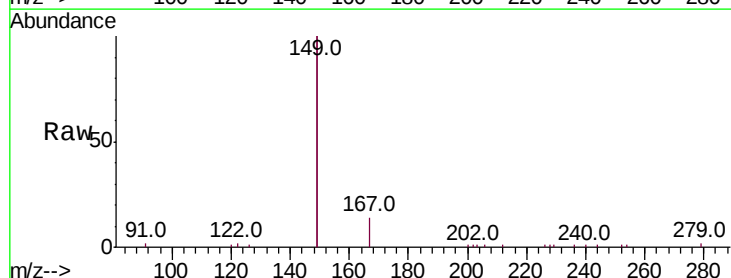
Tgt Ion:149 Resp: 12597

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

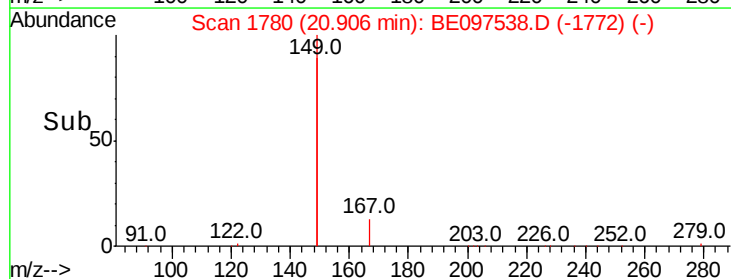
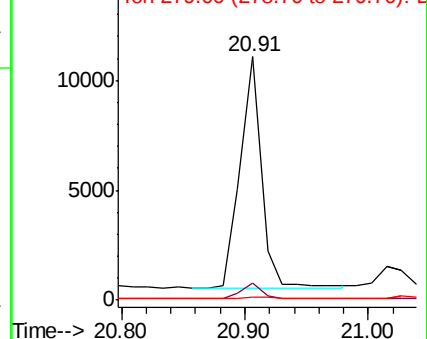
279 1.1 0.7 1.1#

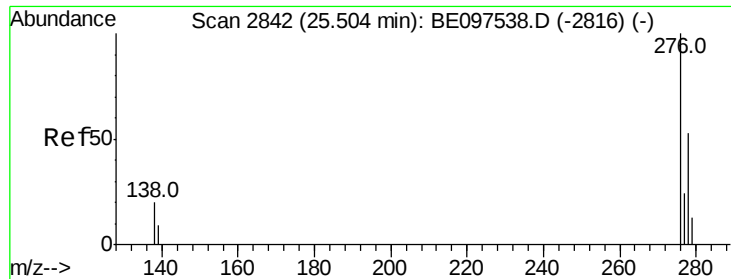


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.391 ng

RT: 25.50 min Scan# 2842

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

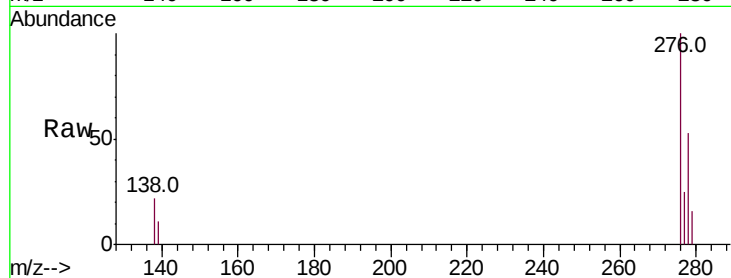
Tot Ion:276 Resp: 10742

Ion Ratio Lower Upper

276 100

138 20.9 22.5 33.7#

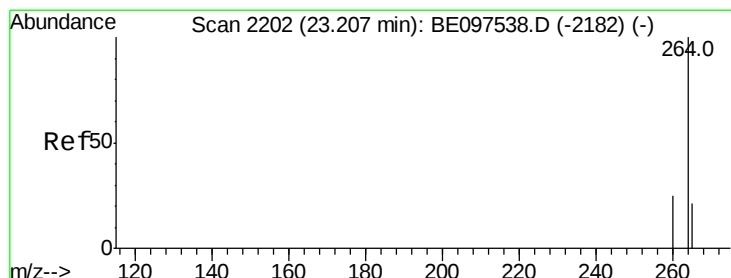
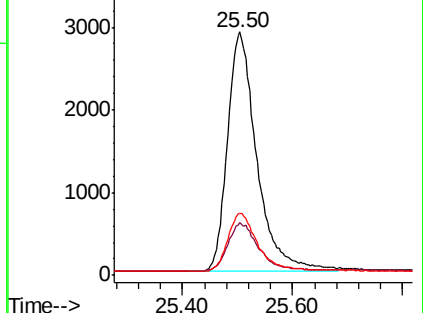
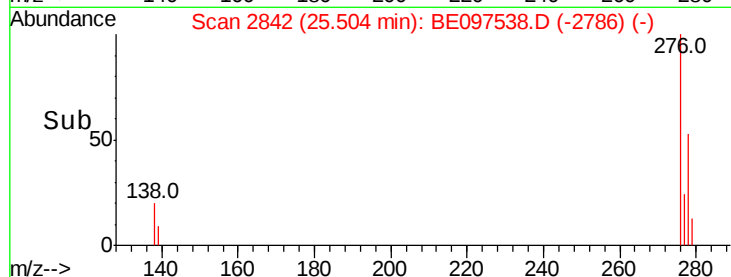
277 24.7 19.9 29.9



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: 23.21 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

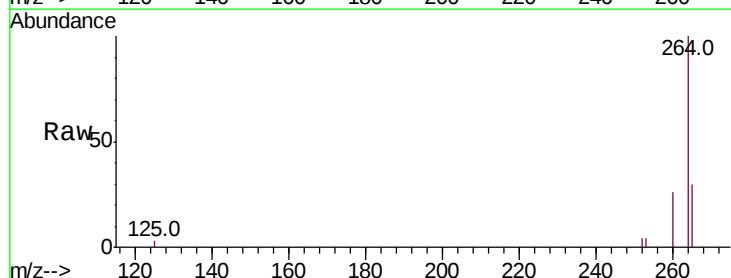
Tgt Ion:264 Resp: 9011

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

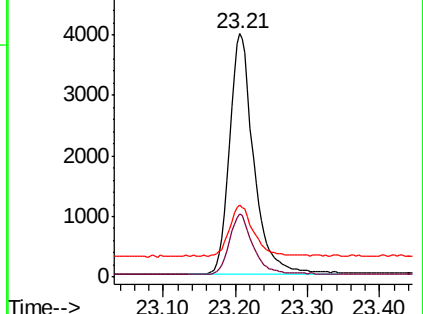
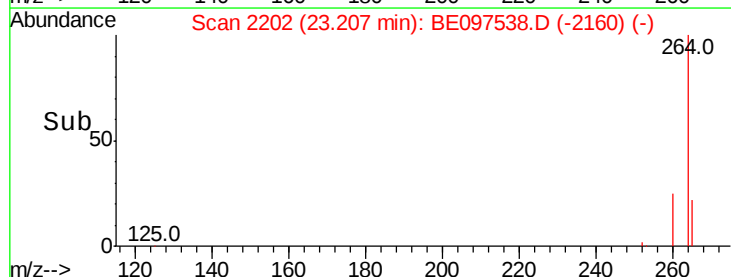
265 29.8 22.8 34.2

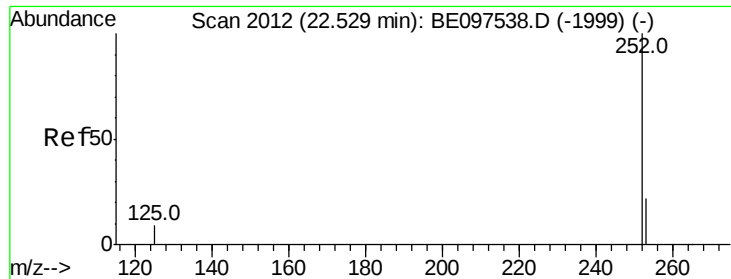


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.358 ng

RT: 22.53 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

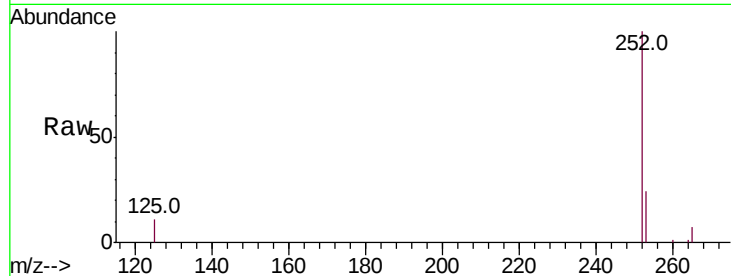
Tot Ion:252 Resp: 8253

Ion Ratio Lower Upper

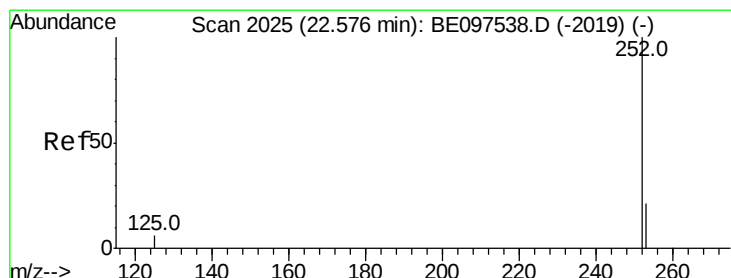
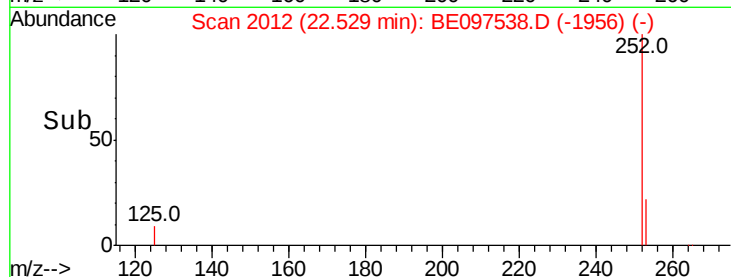
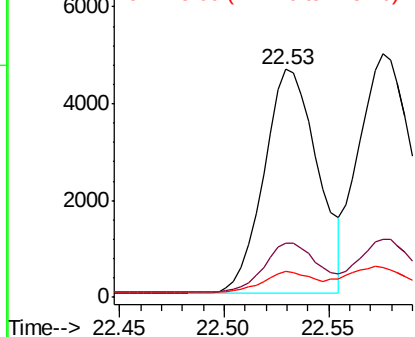
252 100

253 23.6 20.0 30.0

125 11.2 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: 0.328 ng

RT: 22.53 min Scan# 2012

Delta R.T. -0.05 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

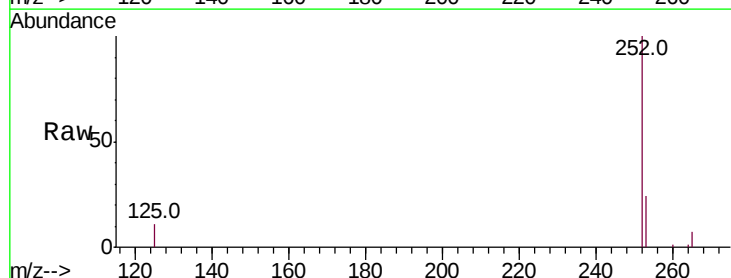
Tgt Ion:252 Resp: 8253

Ion Ratio Lower Upper

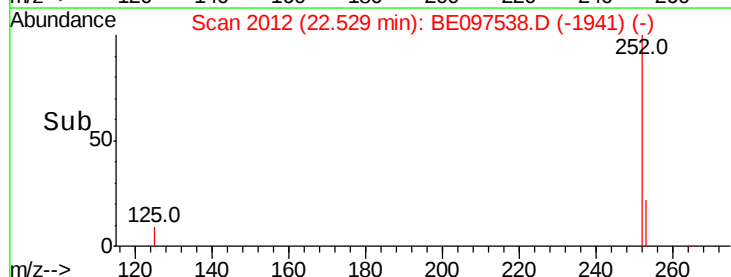
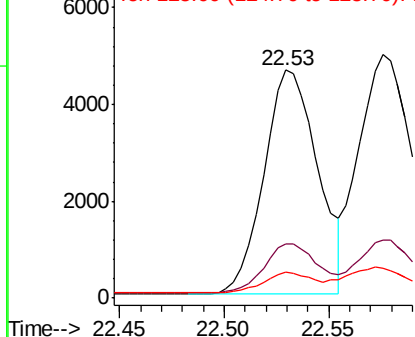
252 100

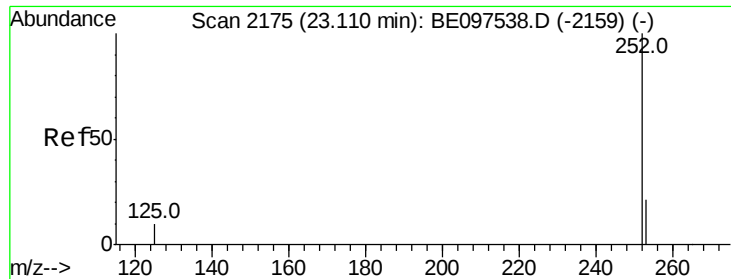
253 23.6 16.0 24.0

125 11.2 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: 0.359 ng

RT: 23.11 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :

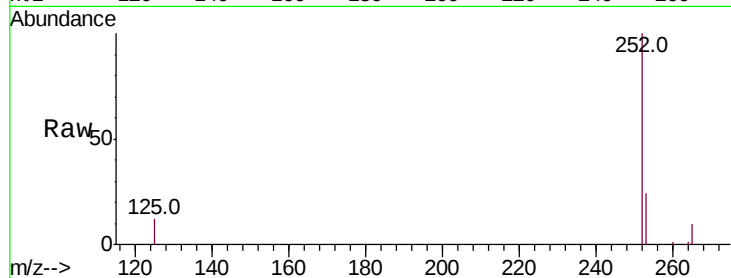
Tot Ion:252 Resp: 8209

Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

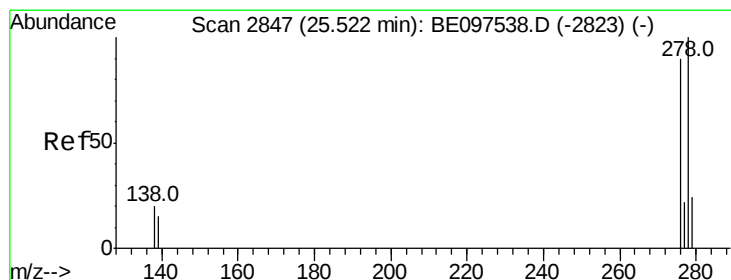
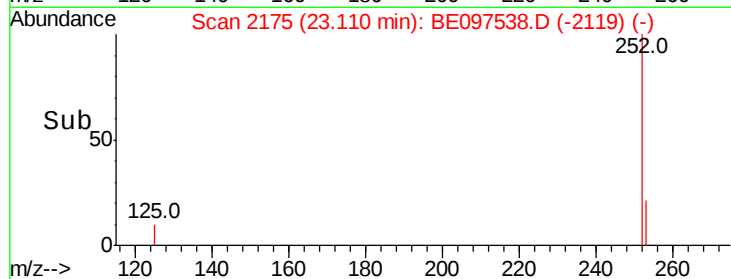
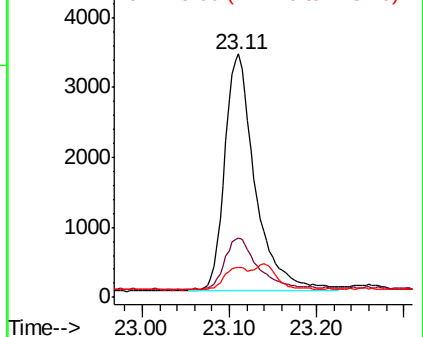
125 12.5 12.0 18.0



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: 0.372 ng

RT: 25.52 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

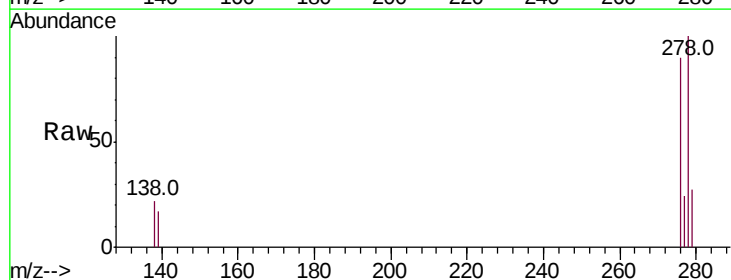
Tgt Ion:278 Resp: 8877

Ion Ratio Lower Upper

278 100

139 16.8 16.0 24.0

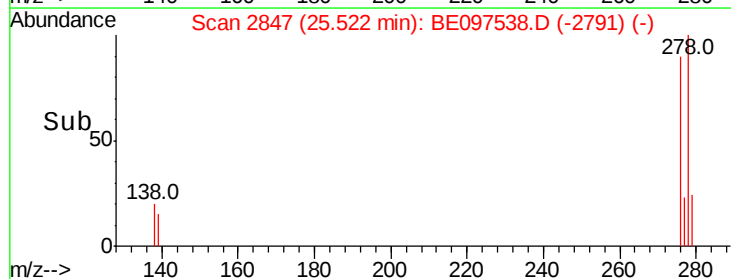
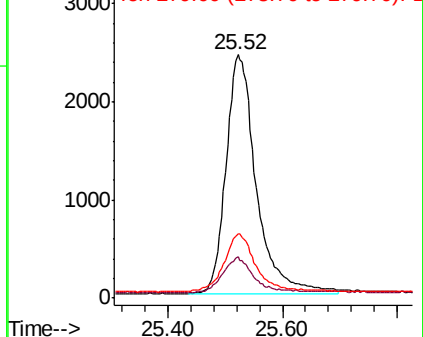
279 26.5 20.0 30.0

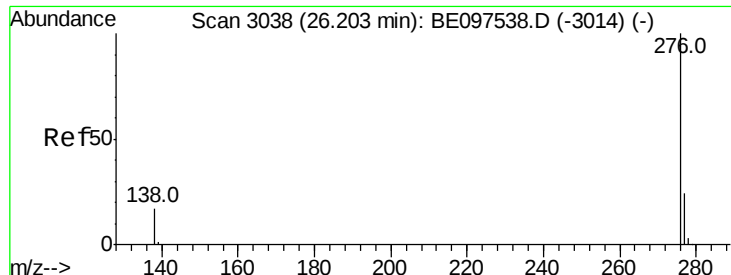


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.357 ng

RT: 26.20 min Scan# 3038

Delta R.T. 0.00 min

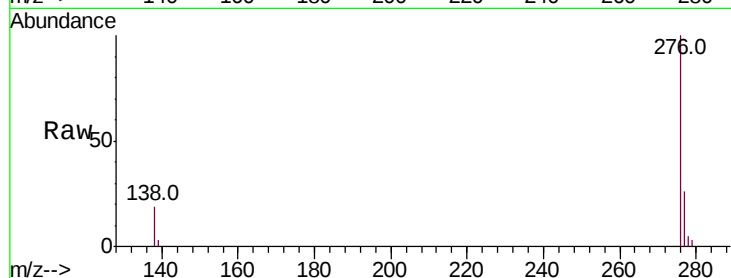
Lab File: BE097538.D

Acq: 19 Sep 2018 13:44

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 8710

Ion Ratio Lower Upper

276 100

277 25.9 16.0 24.0#

138 18.7 20.0 30.0#

