

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097494.D
 Acq On : 17 Sep 2018 13:10
 Operator : SJ/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 17 13:57:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 13:06:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1005	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4845	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2909	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7394	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9466	0.40	ng	0.00
34) Perylene-d12	23.20	264	9111	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	10321	3.47	ng	-0.01
5) Phenol-d6	6.58	99	14745	3.71	ng	-0.02
8) Nitrobenzene-d5	8.51	82	12879	3.71	ng	-0.02
11) 2-Methylnaphthalene-d10	11.71	152	22499	3.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.51	330	5299	5.39	ng	-0.02
15) 2-Fluorobiphenyl	12.61	172	32218	3.02	ng	-0.01
25) Fluoranthene-d10	18.80	212	279079	3.29	ng	0.00
29) Terphenyl-d14	19.41	244	57134	3.27	ng	0.00

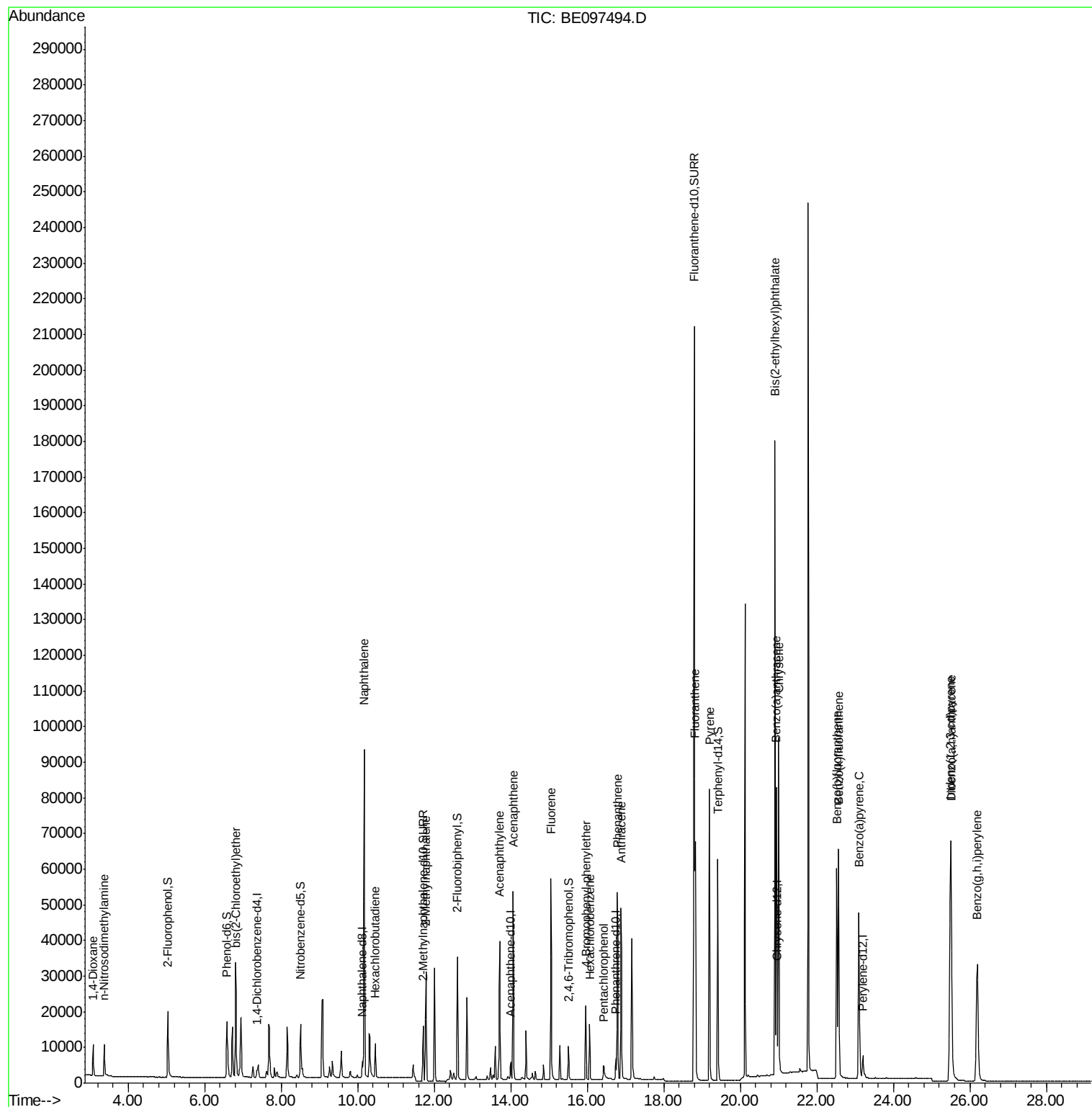
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	5173	2.897	ng	# 87
3) n-Nitrosodimethylamine	3.37	42	5231	3.134	ng	# 91
6) bis(2-Chloroethyl)ether	6.82	93	11710	3.202	ng	88
9) Naphthalene	10.17	128	139814	3.170	ng	99
10) Hexachlorobutadiene	10.46	225	6359	3.226	ng	97
12) 2-Methylnaphthalene	11.78	142	23279	3.347	ng	99
16) Acenaphthylene	13.71	152	41181	3.559	ng	100
17) Acenaphthene	14.06	154	25093	3.253	ng	98
18) Fluorene	15.05	166	31926	3.271	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	11660	3.468	ng	# 72
21) Hexachlorobenzene	16.07	284	12216	3.286	ng	# 85
22) Pentachlorophenol	16.44	266	3735	3.666	ng	# 74
23) Phenanthrene	16.79	178	56162	3.191	ng	99
24) Anthracene	16.88	178	53845	3.596	ng	96
26) Fluoranthene	18.83	202	72328	3.279	ng	98
28) Pyrene	19.19	202	75542	3.353	ng	99
30) Benzo(a)anthracene	20.94	228	79127	3.305	ng	98
31) Chrysene	21.00	228	79248	3.075	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	172809	5.367	ng	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	93847	2.565	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	76560	2.939	ng	# 86
36) Benzo(k)fluoranthene	22.57	252	81622	2.834	ng	96
37) Benzo(a)pyrene	23.10	252	74144	3.154	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	78763	2.550	ng	# 93
39) Benzo(g,h,i)perylene	26.19	276	77839	2.441	ng	# 88

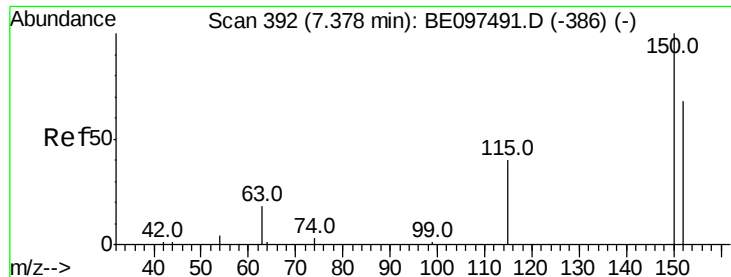
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
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Operator : SJ/JU
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Misc :
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Instrument :
BNA_E
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Quant Time: Sep 17 13:55:30 2018
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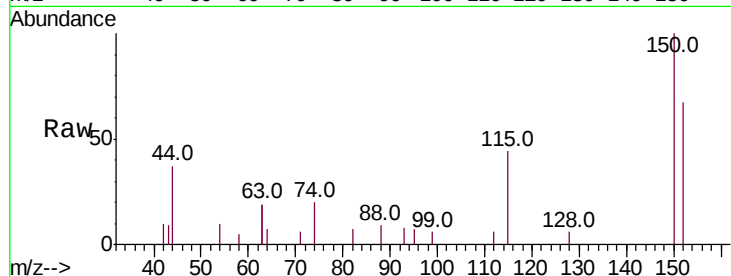


#1

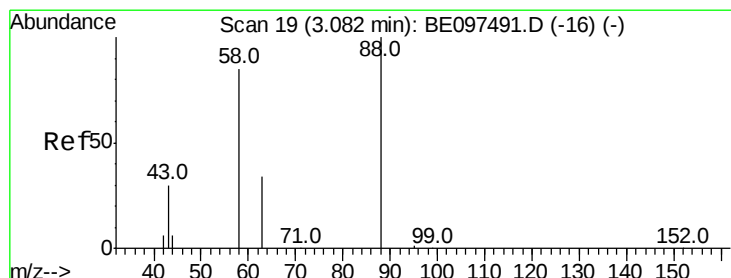
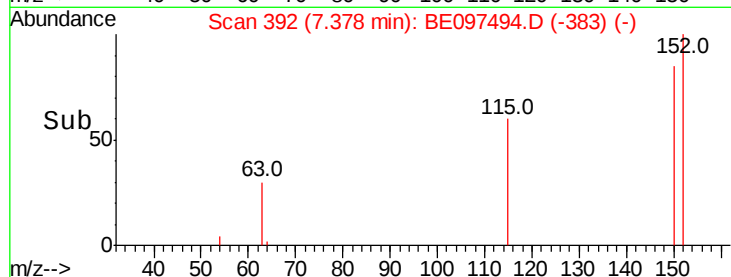
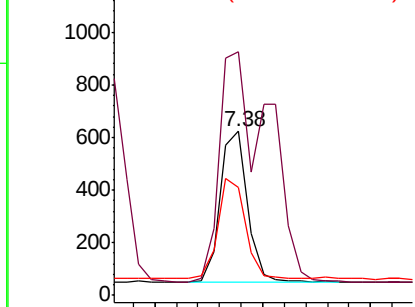
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.38 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: BE097494.D
 Acq: 17 Sep 2018 13:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1005
 Ion Ratio Lower Upper
 152 100
 150 148.4 117.2 175.8
 115 65.7 57.0 85.6



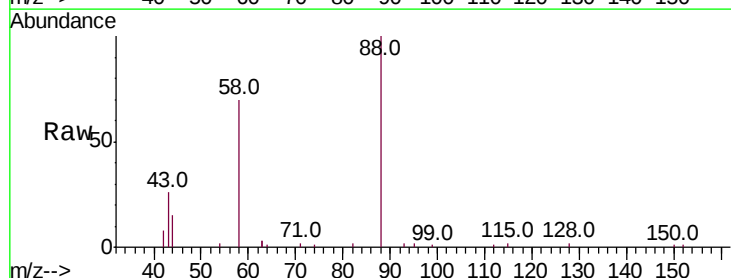
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



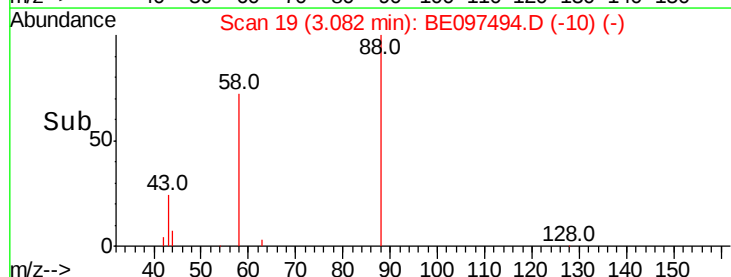
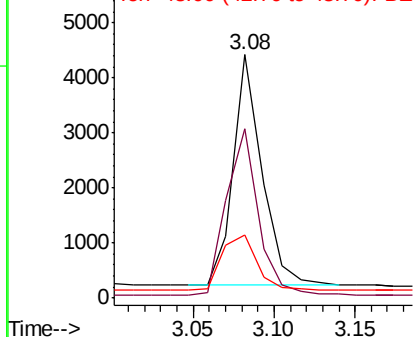
#2

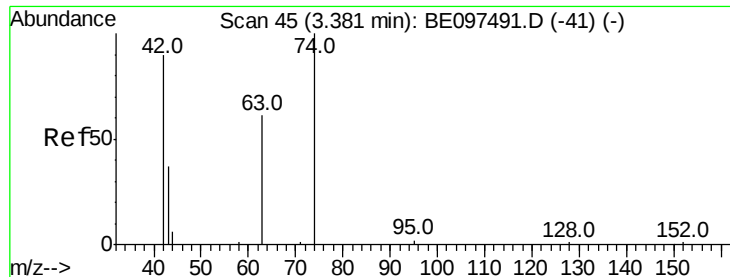
1,4-Dioxane
 Concen: 2.897 ng
 RT: 3.08 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: BE097494.D
 Acq: 17 Sep 2018 13:10

Tgt Ion: 88 Resp: 5173
 Ion Ratio Lower Upper
 88 100
 58 79.5 63.2 94.8
 43 28.8 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: 3.134 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

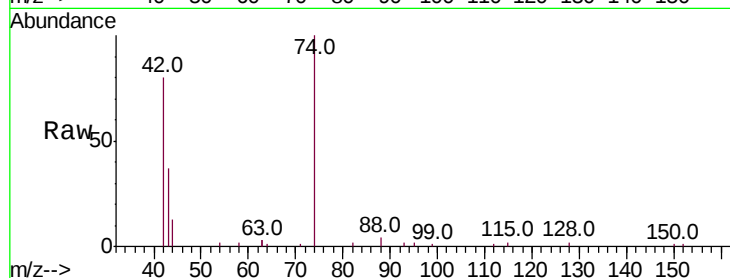
Tot Ion: 42 Resp: 5231

Ion Ratio Lower Upper

42 100

74 128.1 96.0 144.0

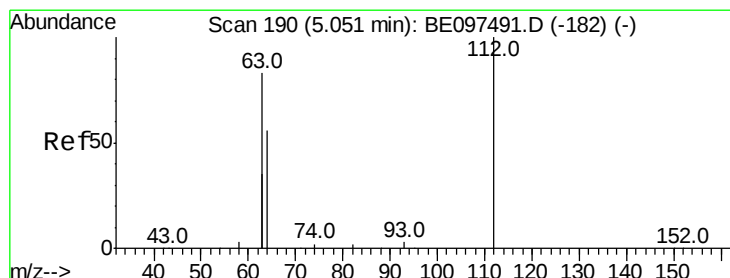
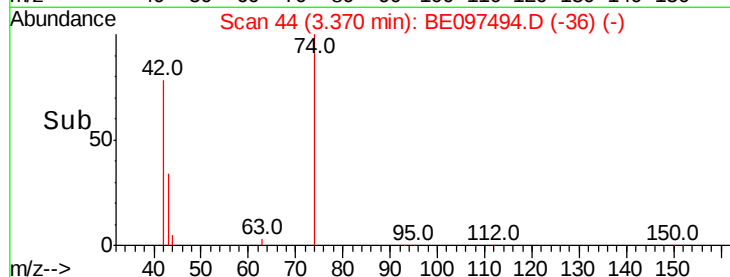
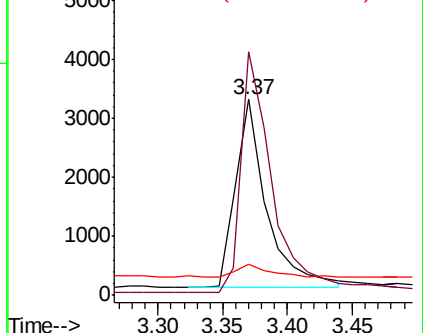
44 6.6 12.0 18.0#



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: 3.473 ng

RT: 5.04 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

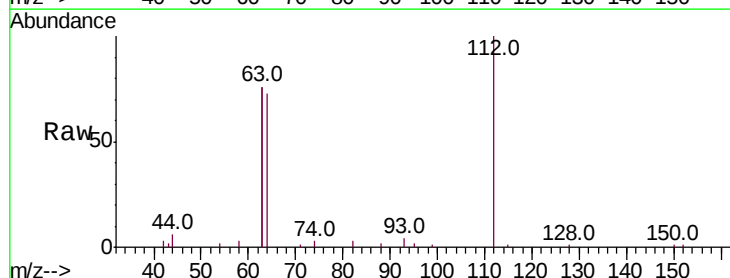
Tgt Ion: 112 Resp: 10321

Ion Ratio Lower Upper

112 100

64 66.6 60.1 90.1

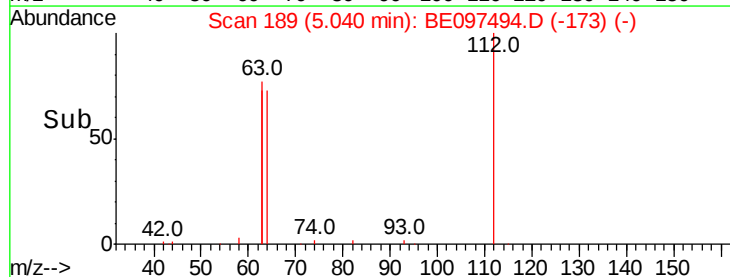
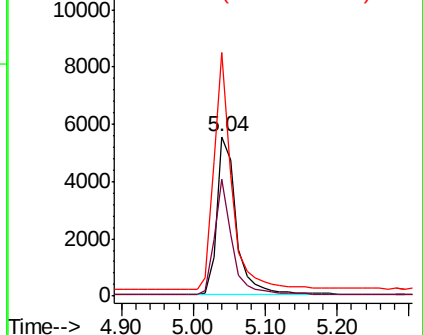
63 136.6 116.8 175.2

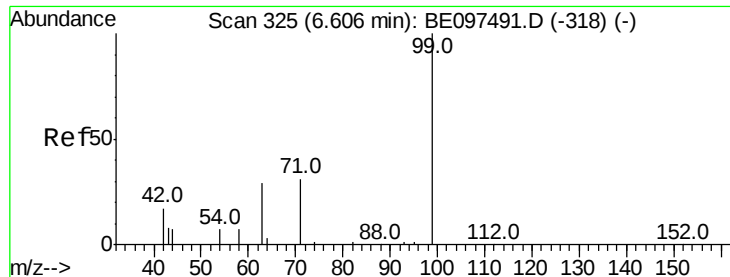


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.713 ng

RT: 6.58 min Scan# 323

Delta R.T. -0.02 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampled :

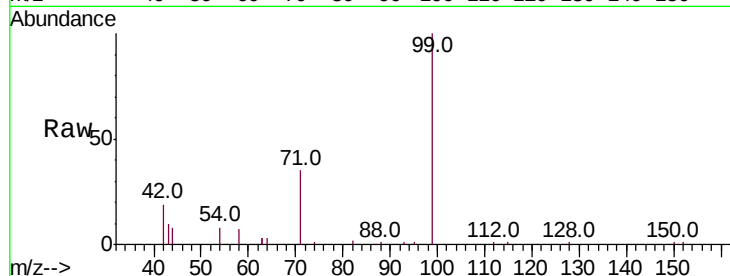
Tot Ion: 99 Resp: 14745

Ion Ratio Lower Upper

99 100

42 20.2 20.2 30.2

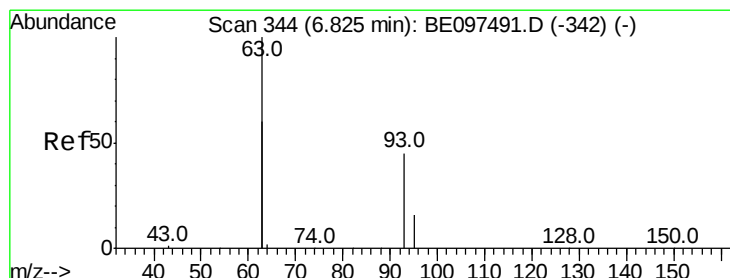
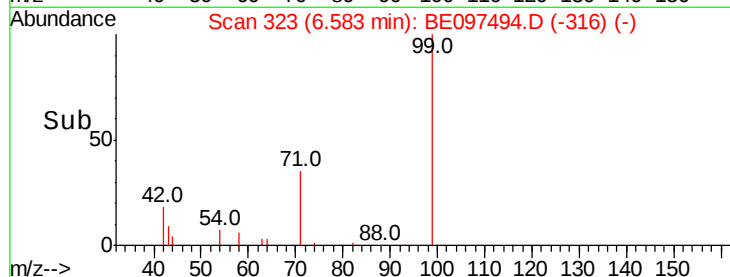
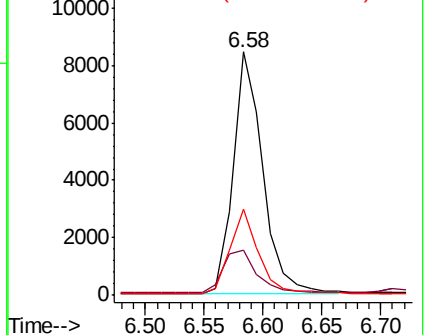
71 33.3 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.202 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

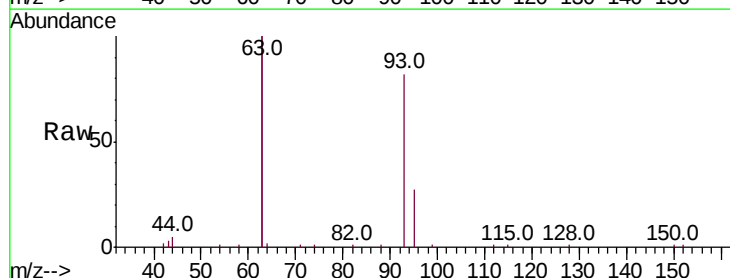
Tgt Ion: 93 Resp: 11710

Ion Ratio Lower Upper

93 100

63 316.0 275.3 412.9

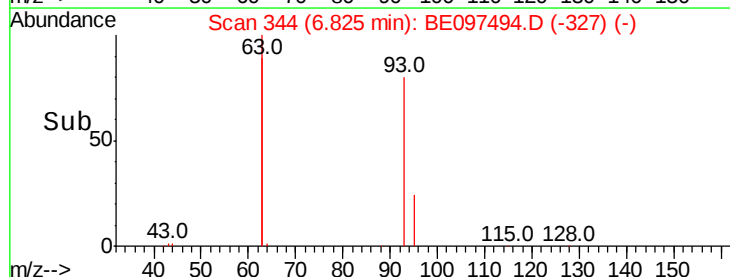
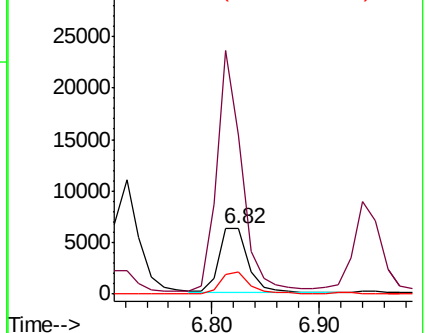
95 31.5 25.2 37.8

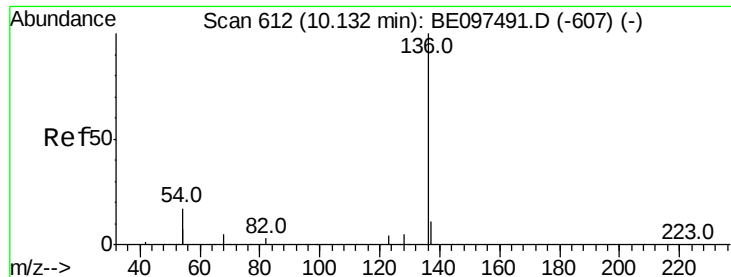


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4845

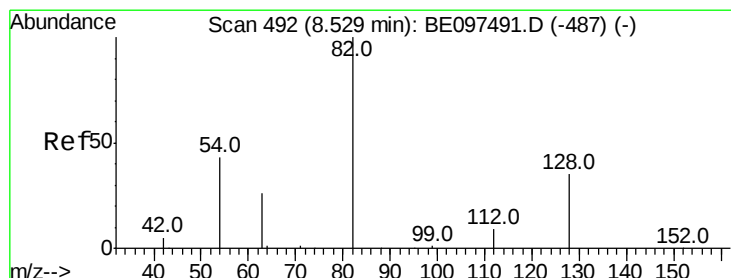
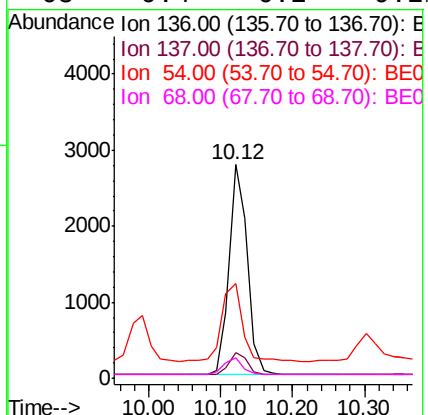
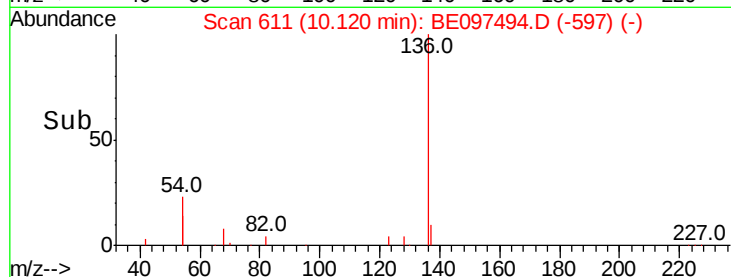
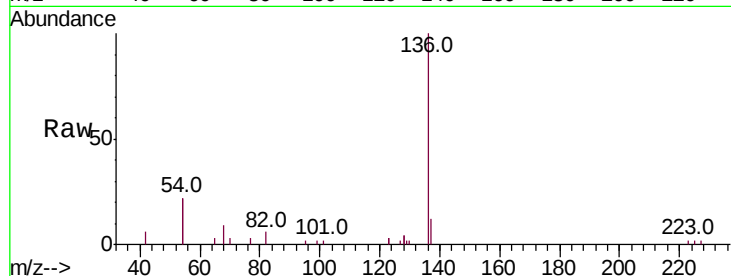
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 44.3 29.1 43.7#

68 9.4 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 3.709 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.02 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

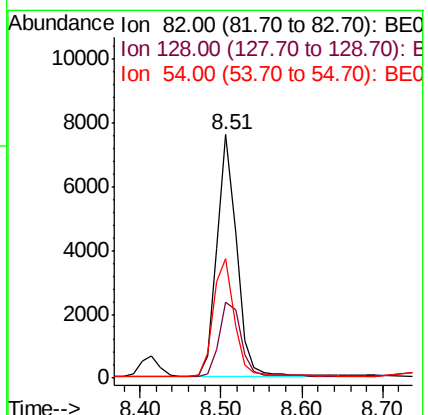
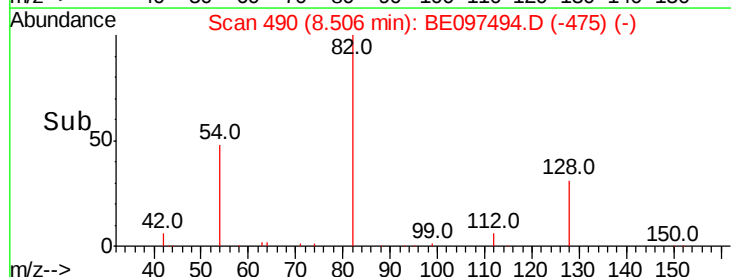
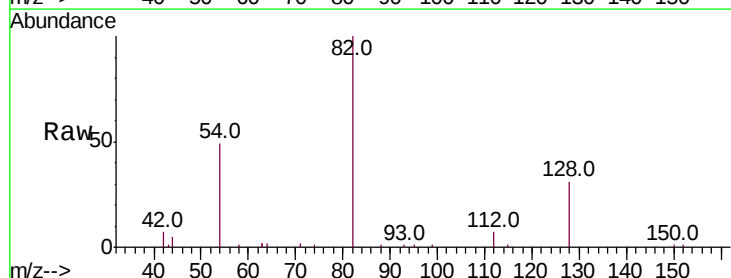
Tgt Ion: 82 Resp: 12879

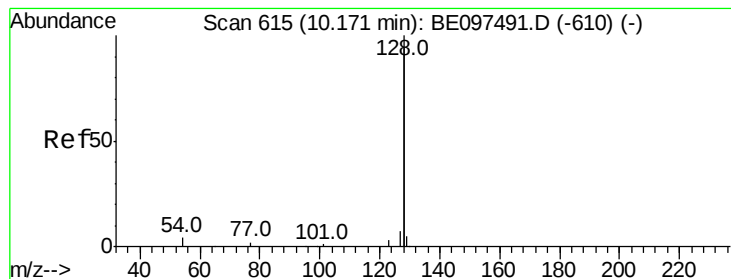
Ion Ratio Lower Upper

82 100

128 31.2 24.0 36.0

54 48.8 40.0 60.0





#9

Naphthalene

Concen: 3.170 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

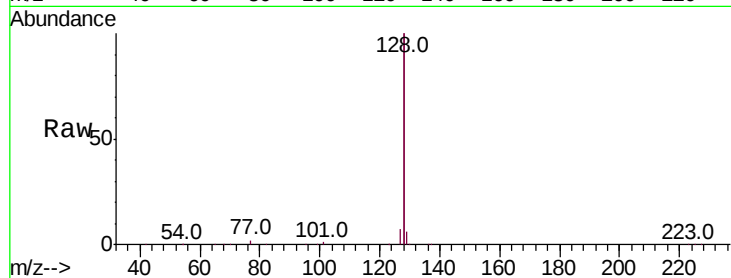
Tot Ion:128 Resp: 139814

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

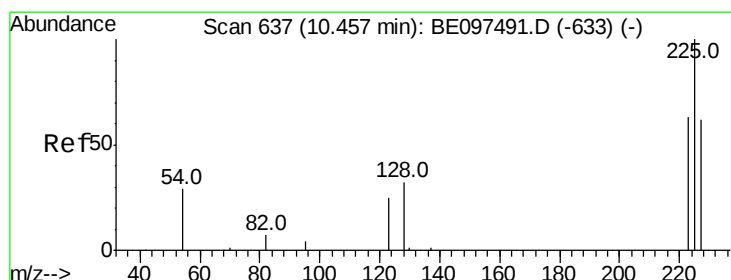
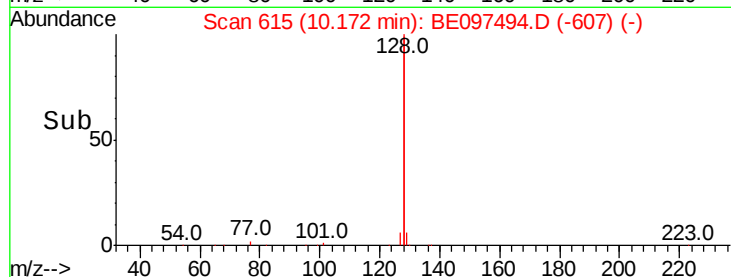
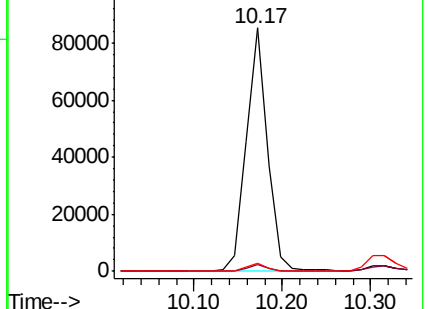
127 3.3 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 3.226 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

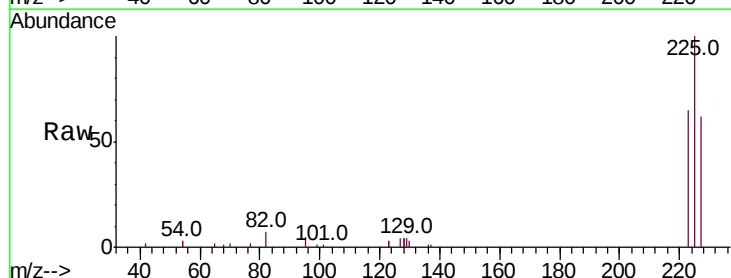
Tgt Ion:225 Resp: 6359

Ion Ratio Lower Upper

225 100

223 62.8 53.0 79.6

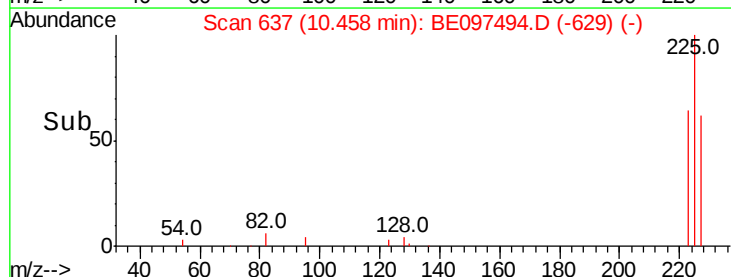
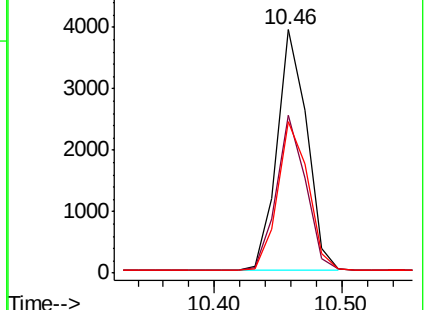
227 63.1 51.4 77.2

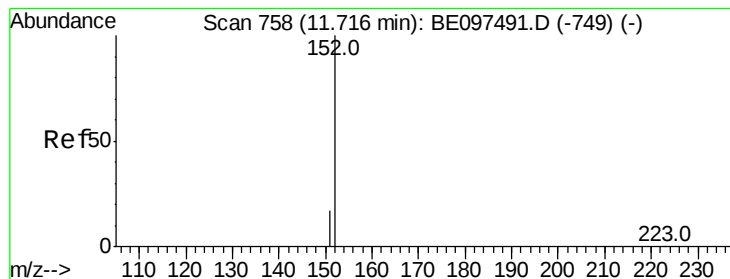


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 3.331 ng

RT: 11.71 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

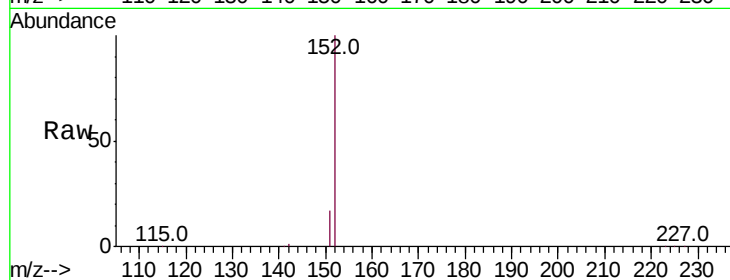
ClientSampleId :

Tot Ion:152 Resp: 22499

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

15000

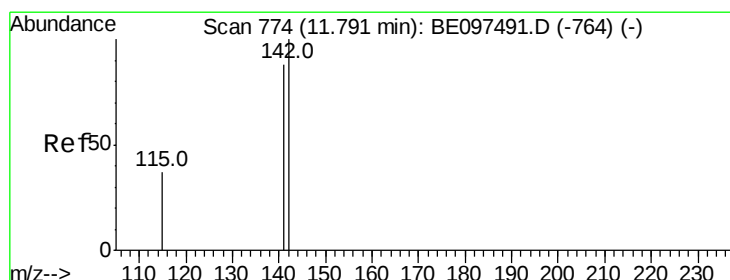
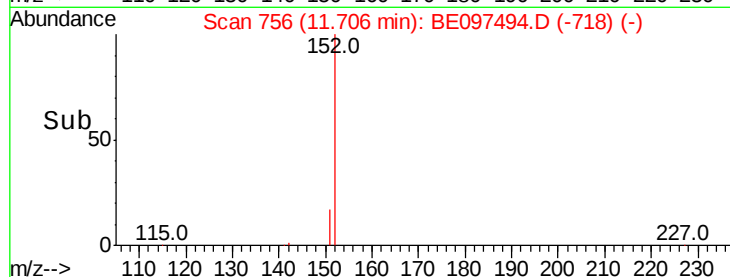
10000

5000

0

11.60 11.70 11.80 11.90

Time-->



#12

2-Methylnaphthalene

Concen: 3.347 ng

RT: 11.78 min Scan# 772

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

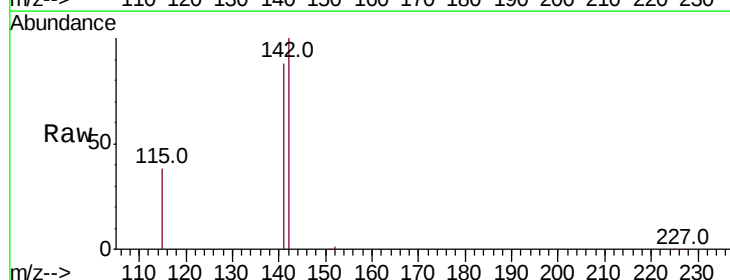
Tgt Ion:142 Resp: 23279

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6

115 38.2 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

15000

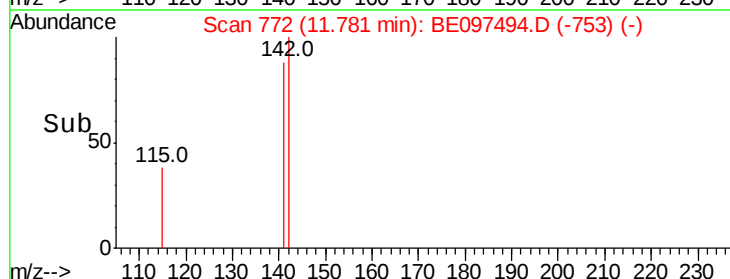
10000

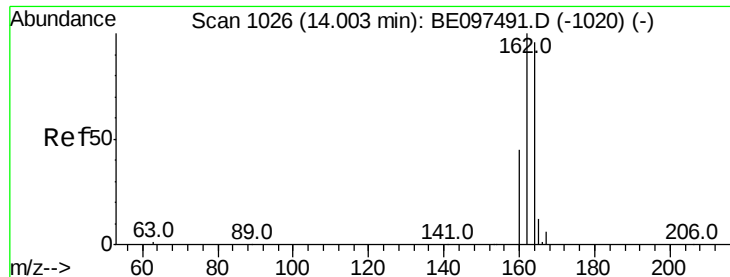
5000

0

11.70 11.80

Time-->

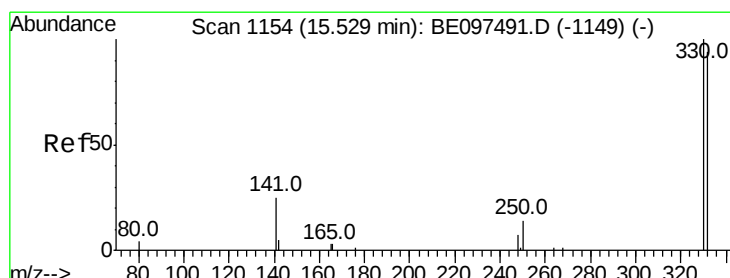
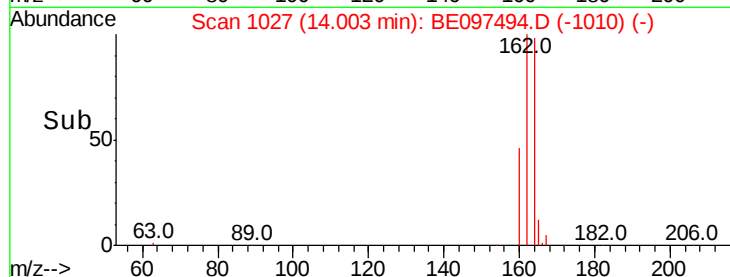
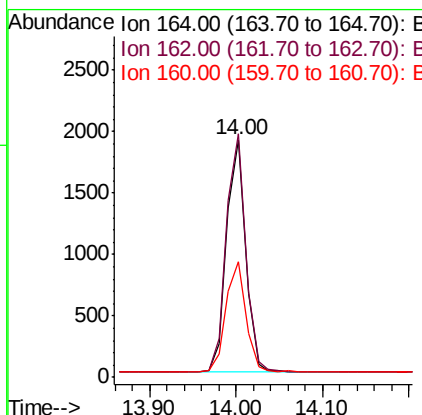
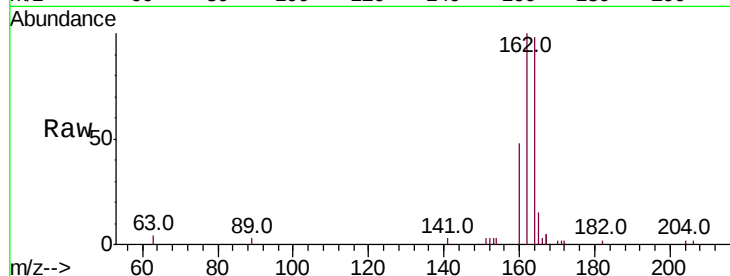




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE097494.D
 Acq: 17 Sep 2018 13:10

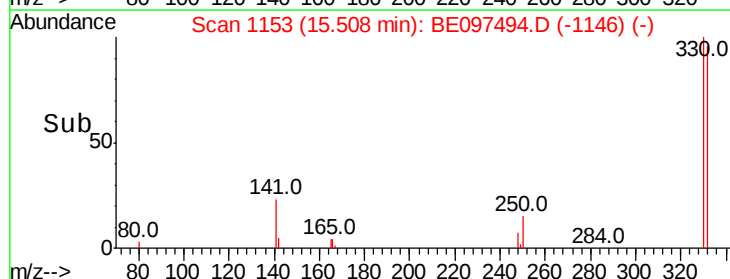
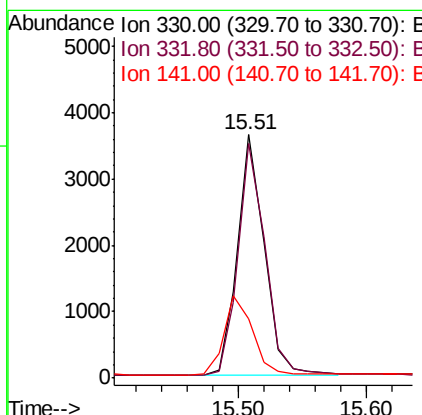
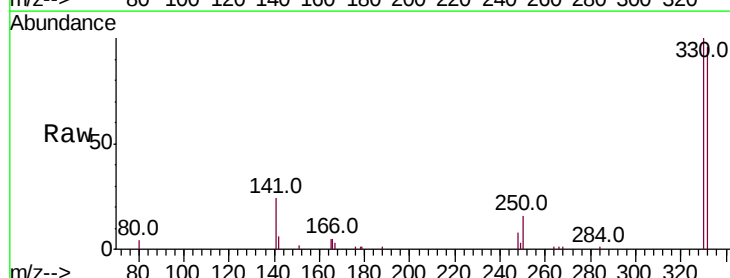
Instrument :
 BNA_E
 ClientSampleId :

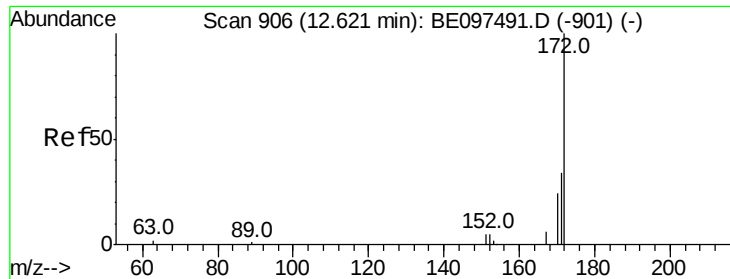
Tot Ion:164 Resp: 2909
 Ion Ratio Lower Upper
 164 100
 162 102.4 83.1 124.7
 160 48.7 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 5.386 ng
 RT: 15.51 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BE097494.D
 Acq: 17 Sep 2018 13:10

Tgt Ion:330 Resp: 5299
 Ion Ratio Lower Upper
 330 100
 332 97.5 152.7 229.1#
 141 35.1 33.7 50.5

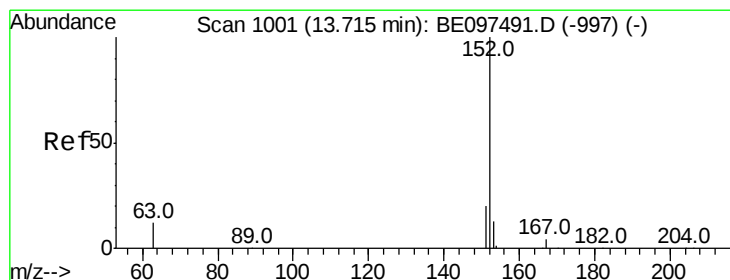
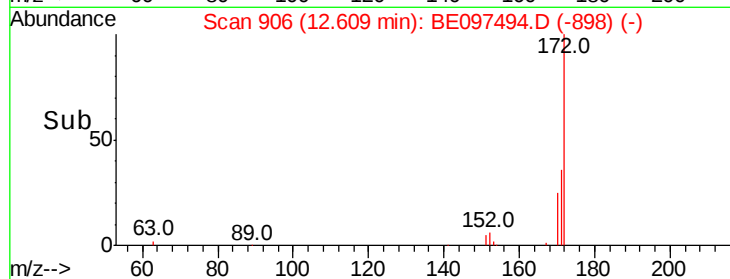
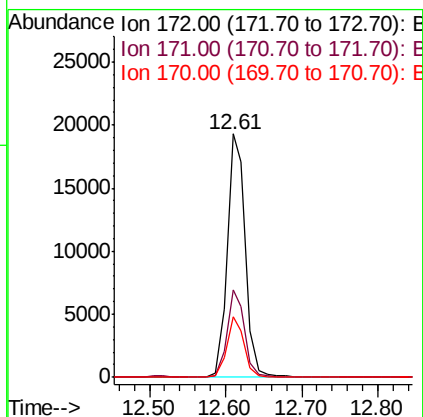
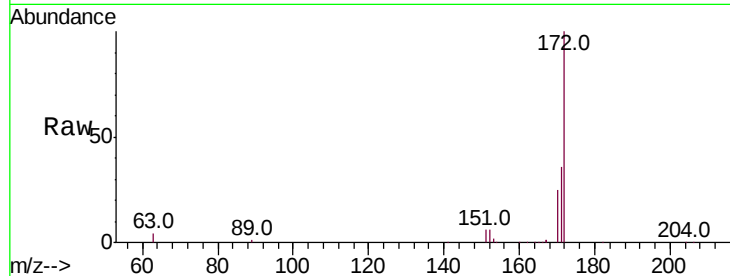




#15
2-Fluorobiphenyl
Concen: 3.017 ng
RT: 12.61 min Scan# 906
Delta R.T. -0.01 min
Lab File: BE097494.D
Acq: 17 Sep 2018 13:10

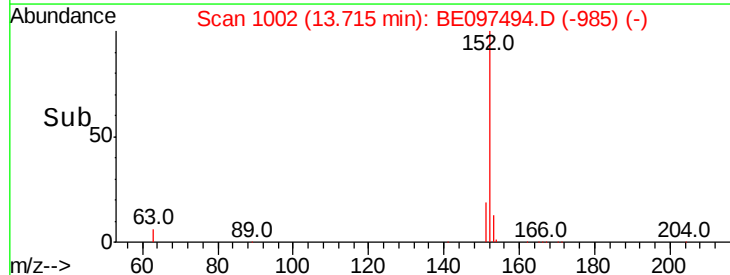
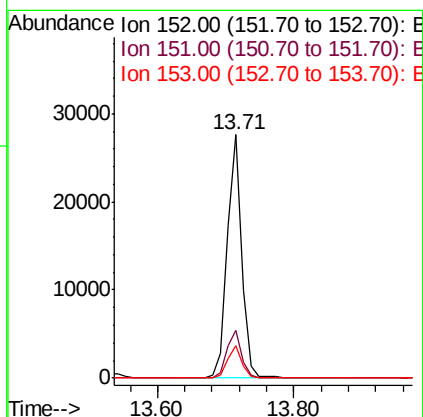
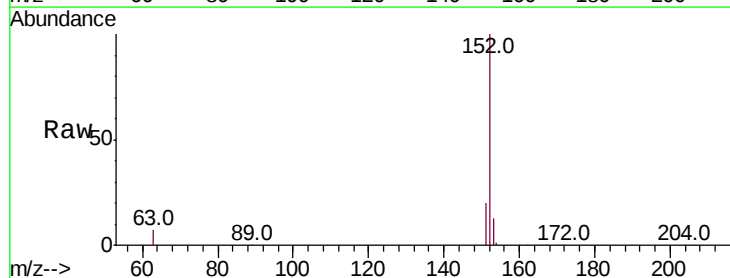
Instrument :
BNA_E
ClientSampled :

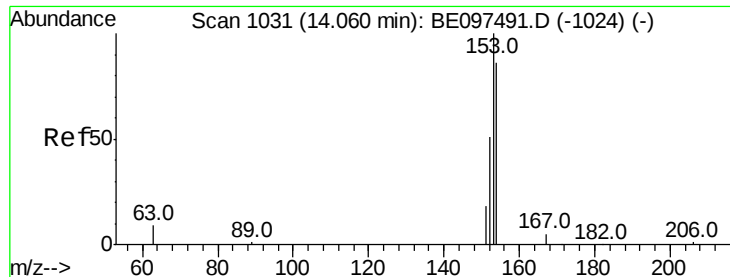
Tot Ion:172 Resp: 32218
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 24.9 21.8 32.8



#16
Acenaphthylene
Concen: 3.559 ng
RT: 13.71 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097494.D
Acq: 17 Sep 2018 13:10

Tgt Ion:152 Resp: 41181
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 3.253 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

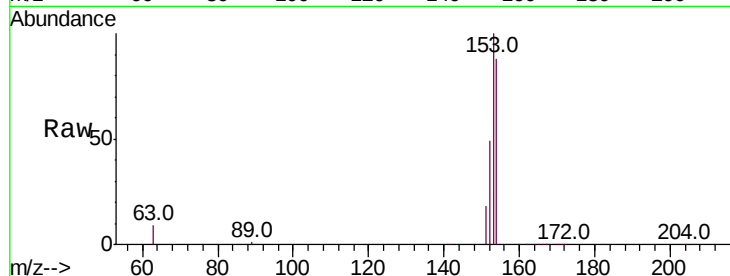
Tot Ion:154 Resp: 25093

Ion Ratio Lower Upper

154 100

153 112.9 89.2 133.8

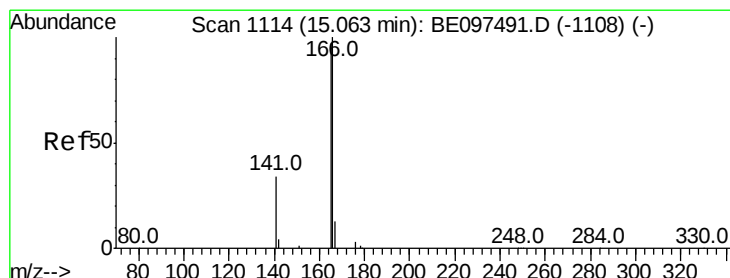
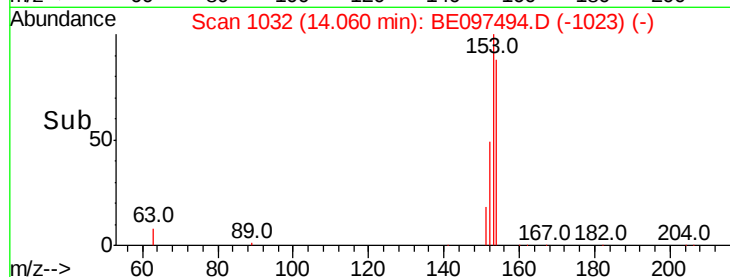
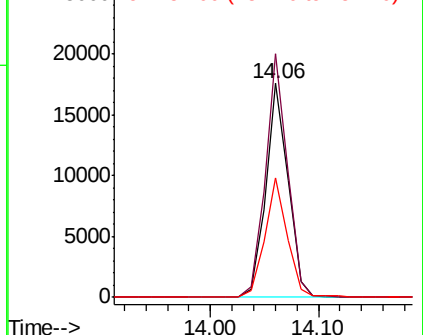
152 55.2 42.0 63.0



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: 3.271 ng

RT: 15.05 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

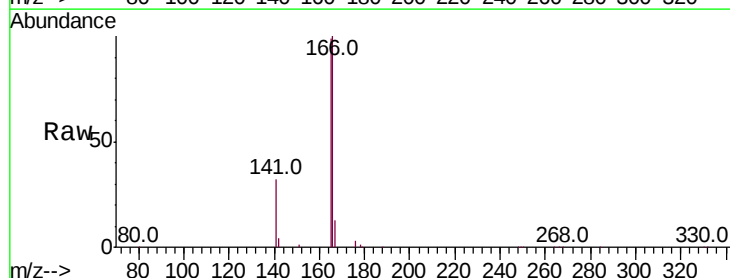
Tgt Ion:166 Resp: 31926

Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.6

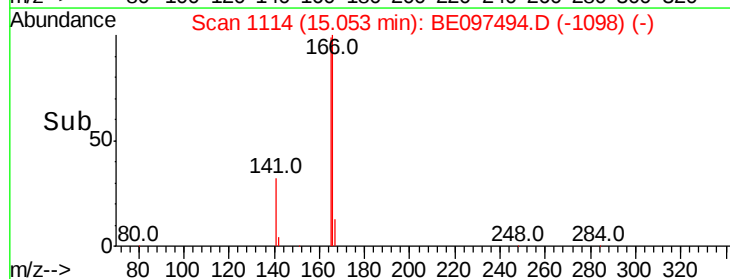
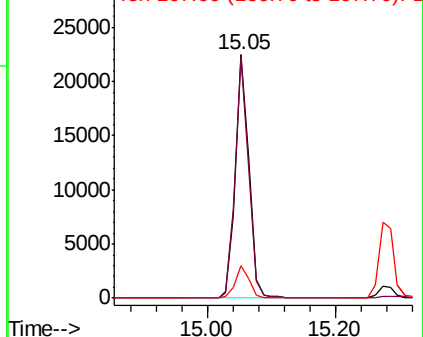
167 13.3 42.4 63.6#

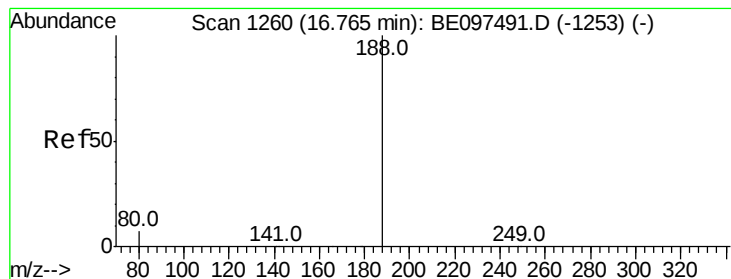


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1260

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

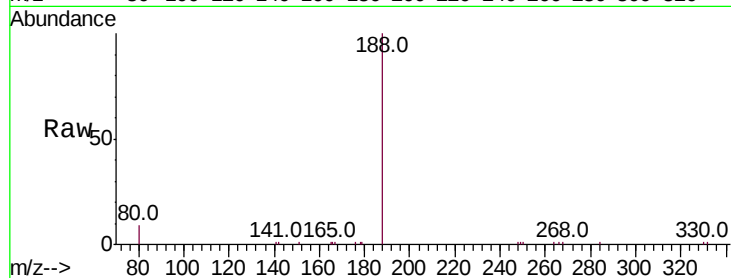
Tot Ion:188 Resp: 7394

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

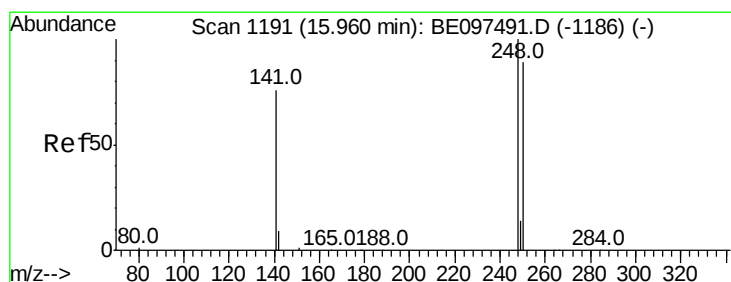
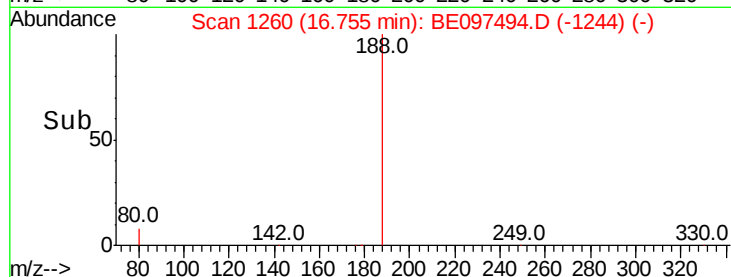
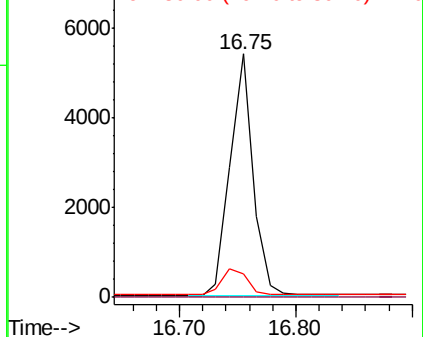
80 9.4 3.6 5.4#



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: 3.468 ng

RT: 15.96 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

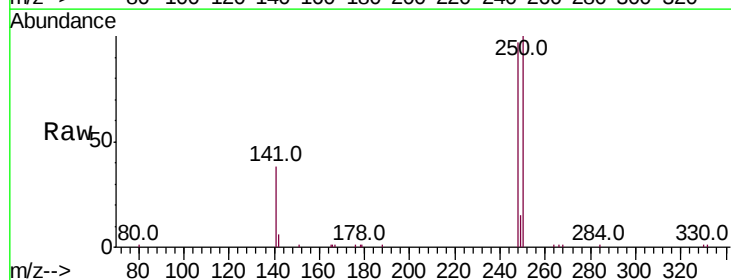
Tgt Ion:248 Resp: 11660

Ion Ratio Lower Upper

248 100

250 103.6 62.7 94.1#

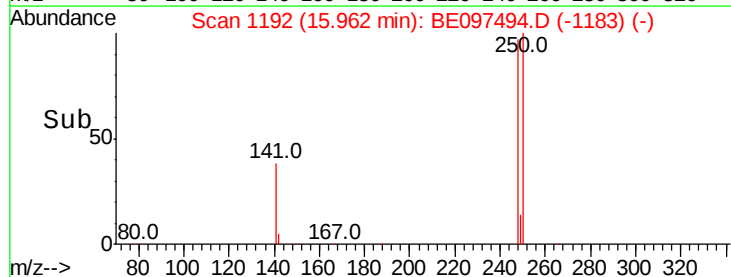
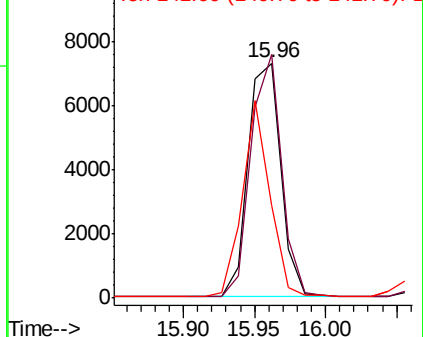
141 39.5 48.2 72.2#

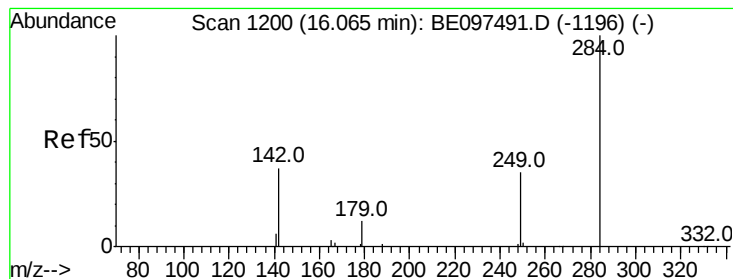


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.286 ng

RT: 16.07 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

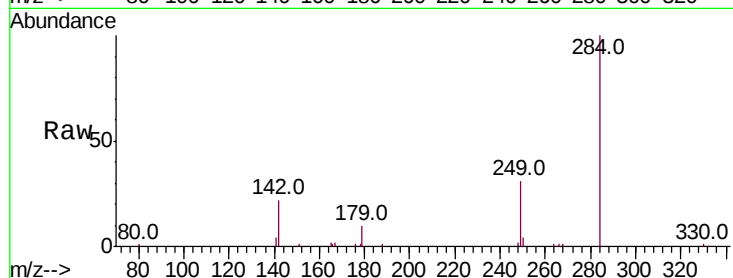
Tot Ion:284 Resp: 12216

Ion Ratio Lower Upper

284 100

142 31.7 22.1 33.1

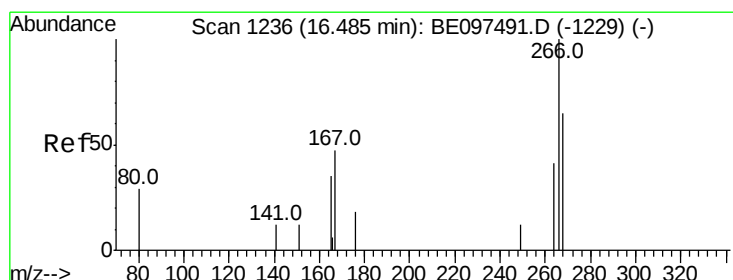
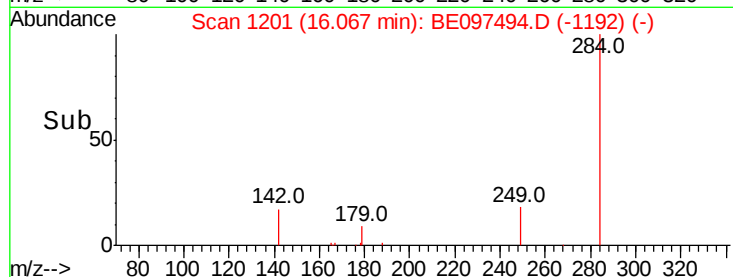
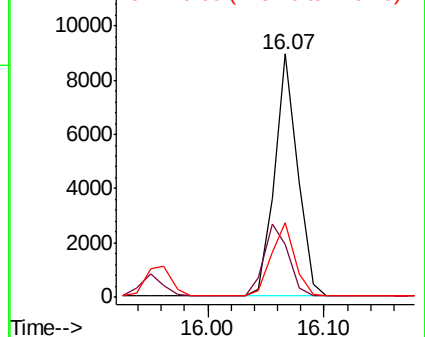
249 30.9 34.8 52.2#



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: 3.666 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.04 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

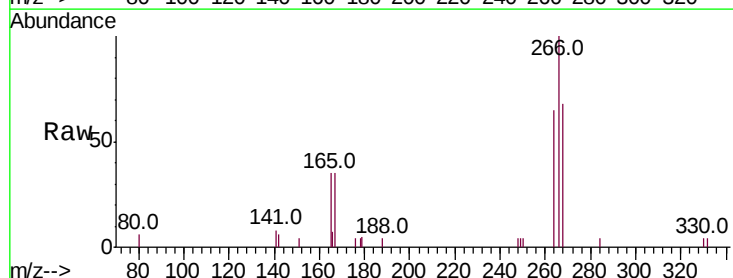
Tgt Ion:266 Resp: 3735

Ion Ratio Lower Upper

266 100

264 65.1 72.5 108.7#

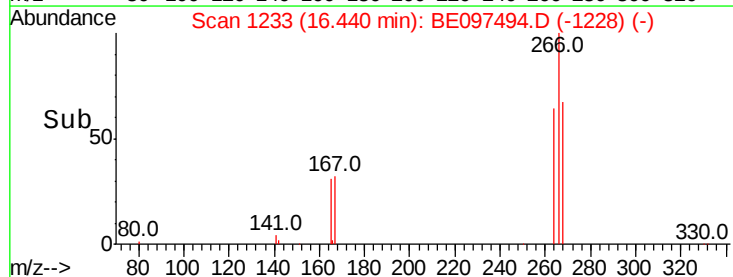
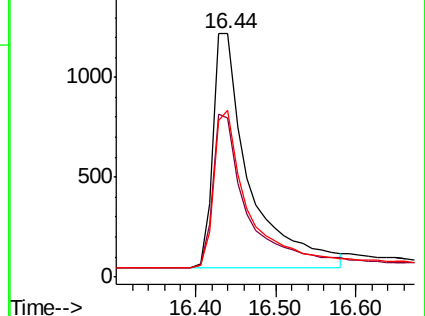
268 68.4 73.8 110.6#

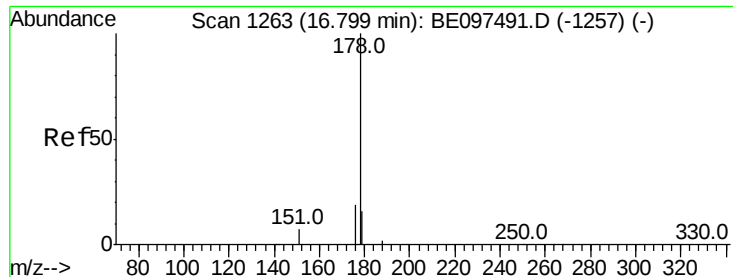


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.191 ng

RT: 16.79 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

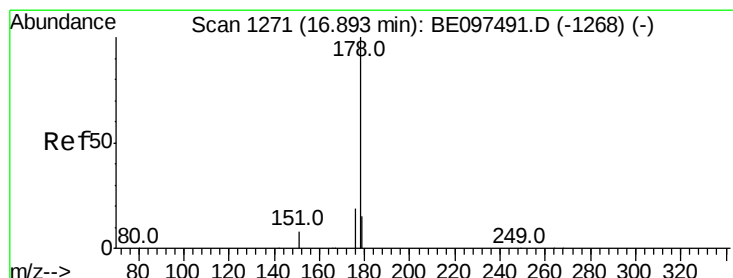
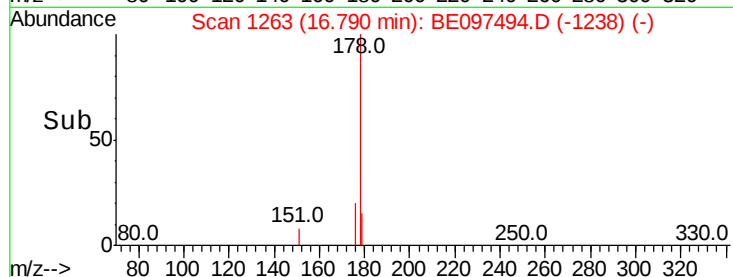
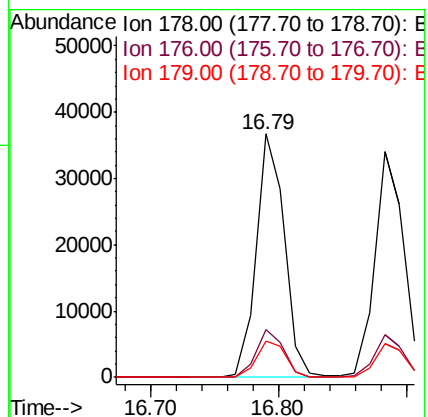
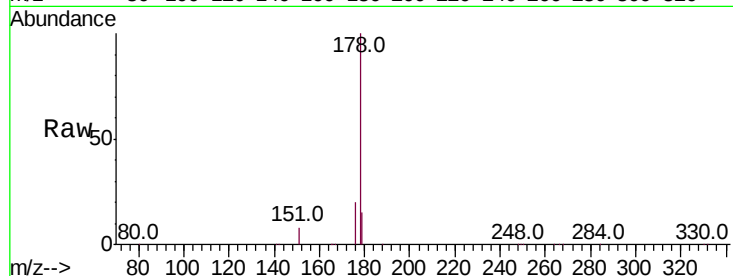
Tot Ion:178 Resp: 56162

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.4 11.8 17.6



#24

Anthracene

Concen: 3.596 ng

RT: 16.88 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

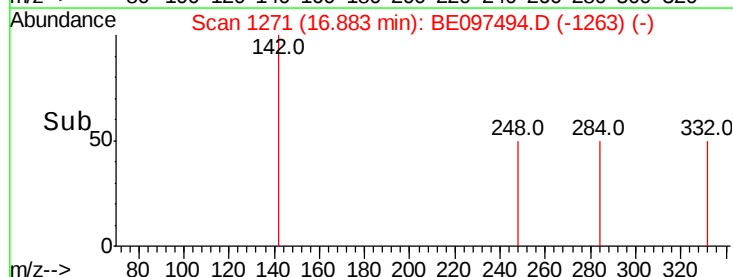
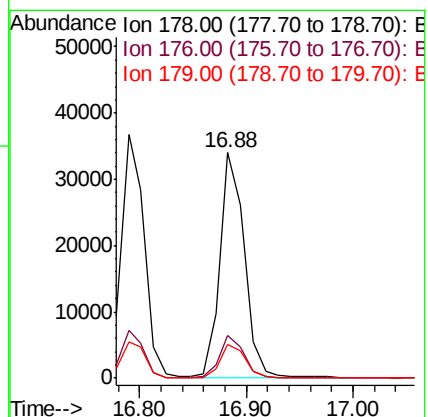
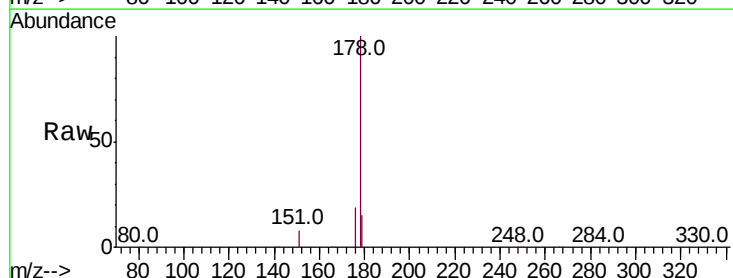
Tgt Ion:178 Resp: 53845

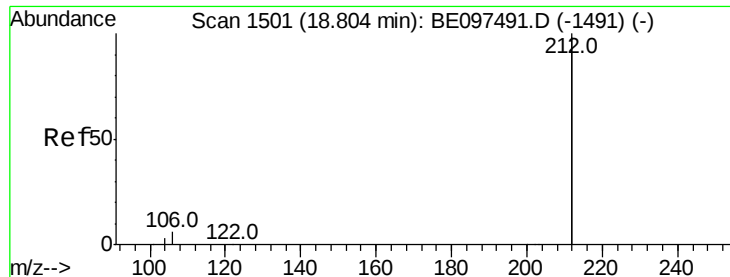
Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

179 15.3 13.0 19.6





#25

Fluoranthene-d10

Concen: 3.289 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampled :

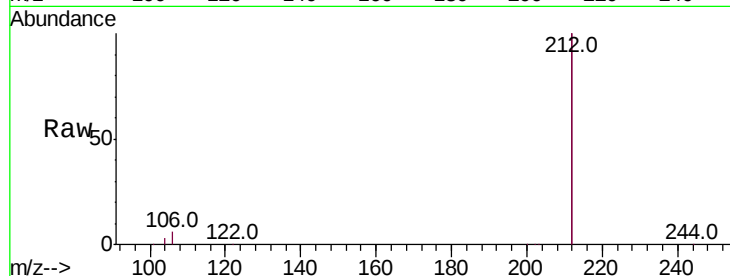
Tot Ion:212 Resp: 279079

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

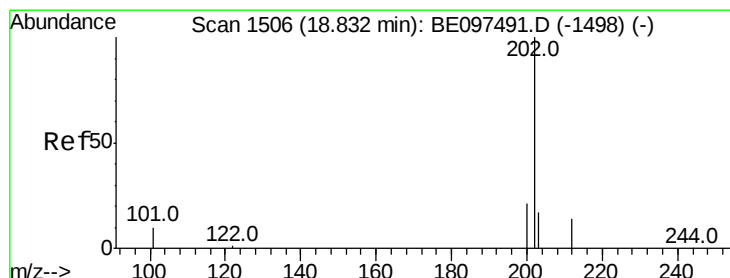
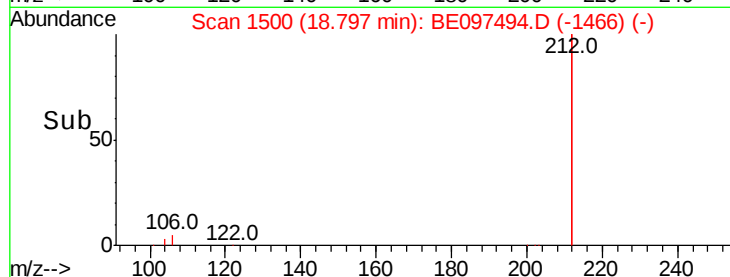
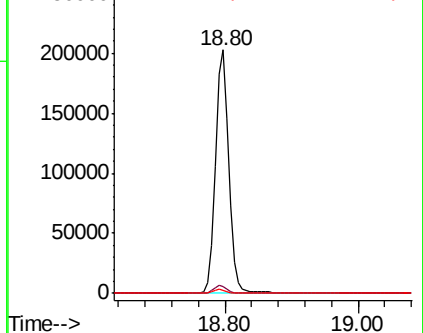
104 1.7 1.6 2.4



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: 3.279 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

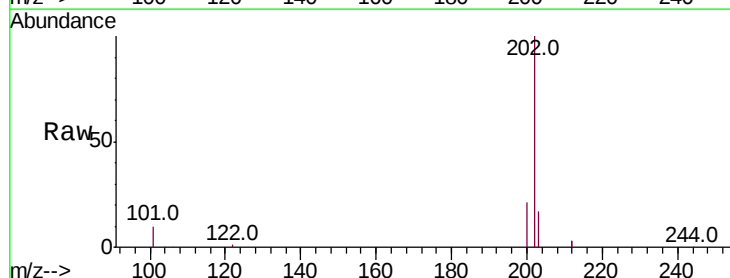
Tgt Ion:202 Resp: 72328

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

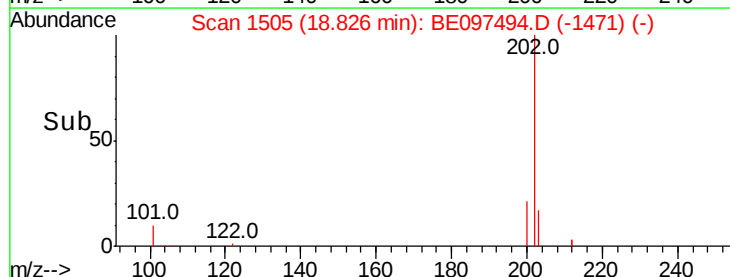
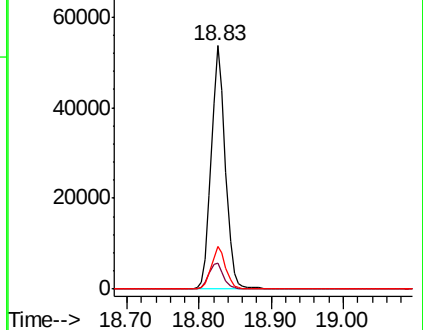
203 17.4 13.7 20.5

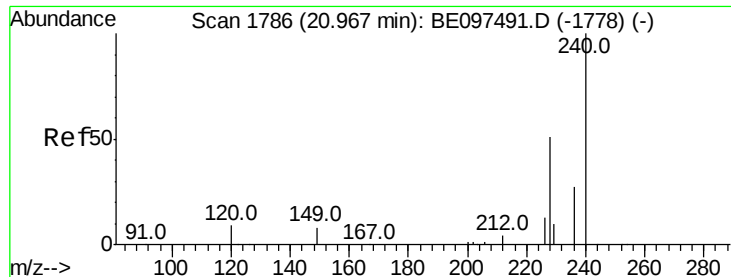


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

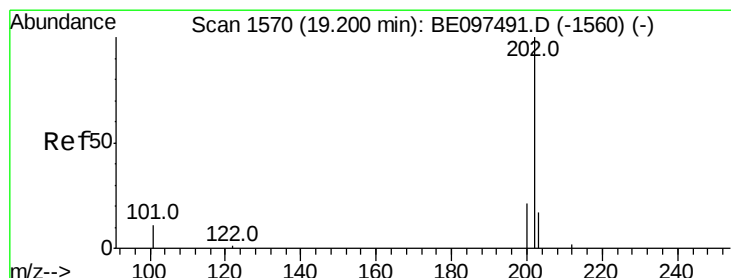
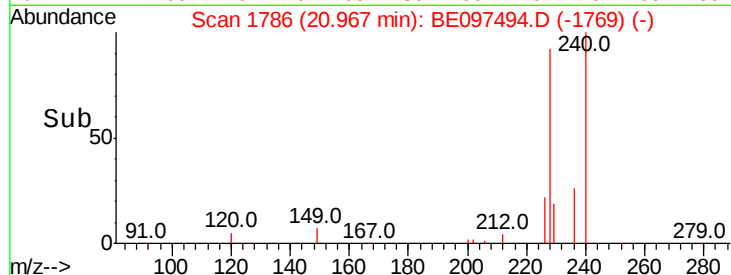
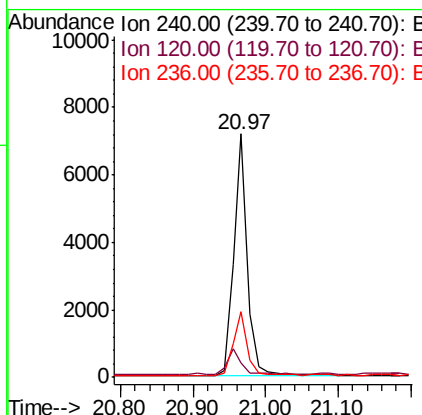
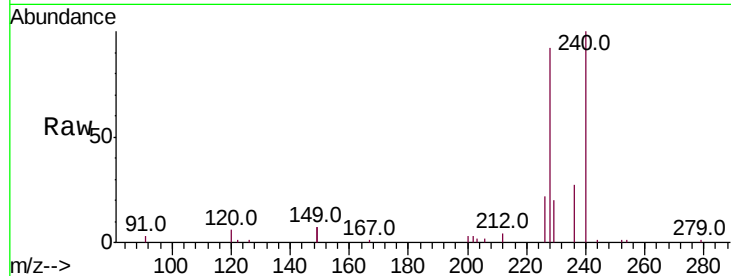




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BE097494.D
 Acq: 17 Sep 2018 13:10

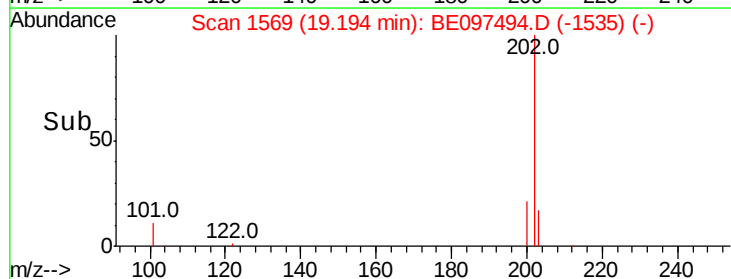
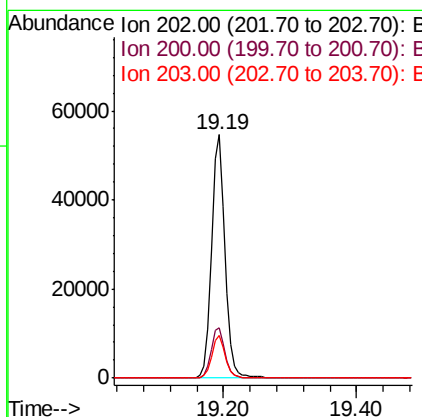
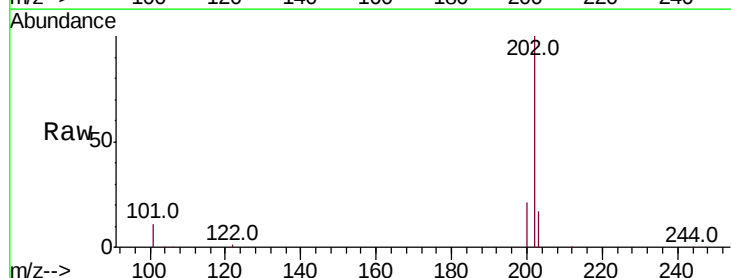
Instrument :
 BNA_E
 ClientSampleId :

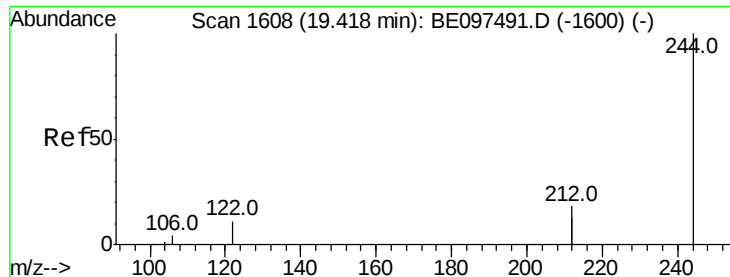
Tot Ion:240 Resp: 9466
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.5 8.3
 236 26.8 20.7 31.1



#28
 Pyrene
 Concen: 3.353 ng
 RT: 19.19 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BE097494.D
 Acq: 17 Sep 2018 13:10

Tgt Ion:202 Resp: 75542
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 17.5 13.8 20.8





#29

Terphenyl-d14

Concen: 3.271 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

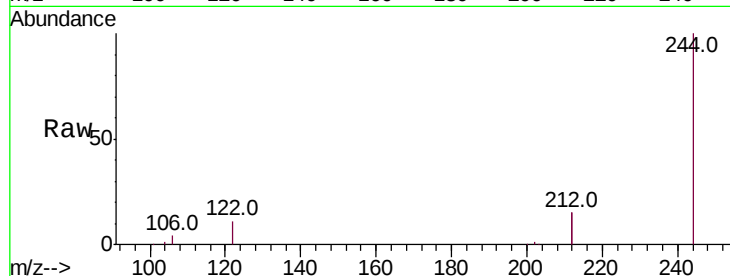
Tot Ion:244 Resp: 57134

Ion Ratio Lower Upper

244 100

212 30.3 25.4 38.0

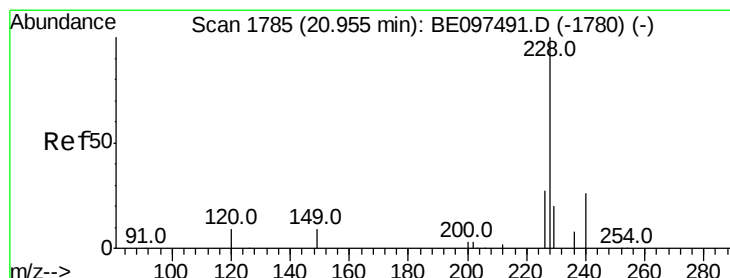
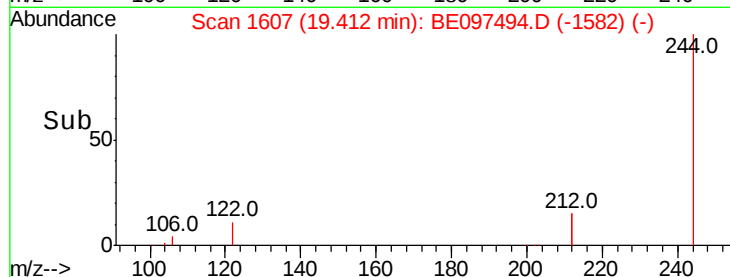
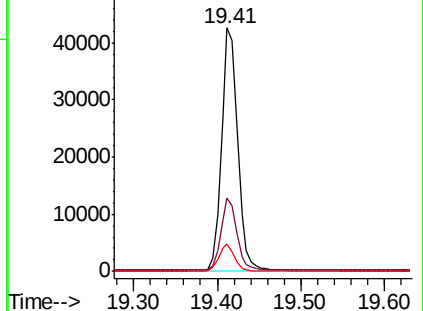
122 11.3 8.1 12.1



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: 3.305 ng

RT: 20.94 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

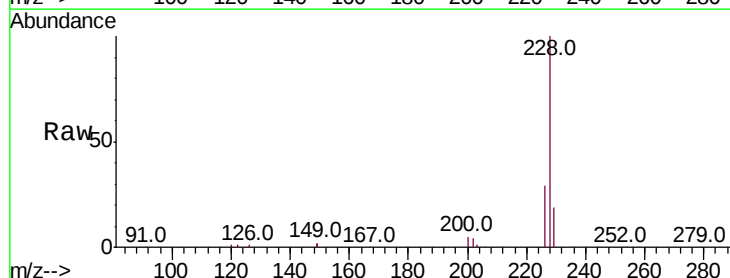
Tgt Ion:228 Resp: 79127

Ion Ratio Lower Upper

228 100

226 28.6 24.0 36.0

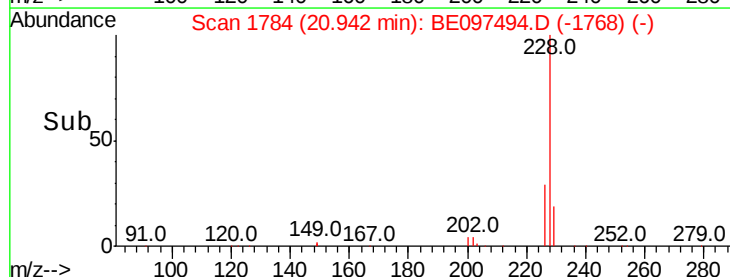
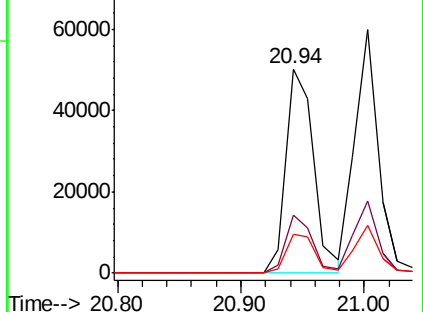
229 19.2 16.0 24.0

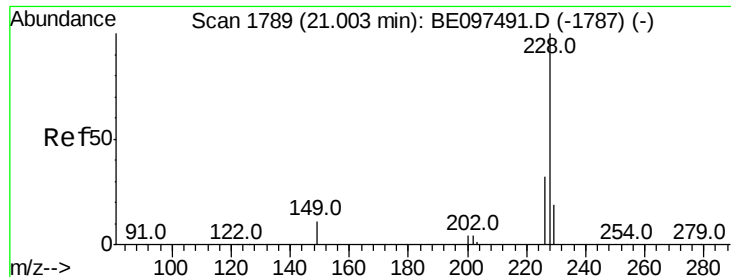


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.075 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

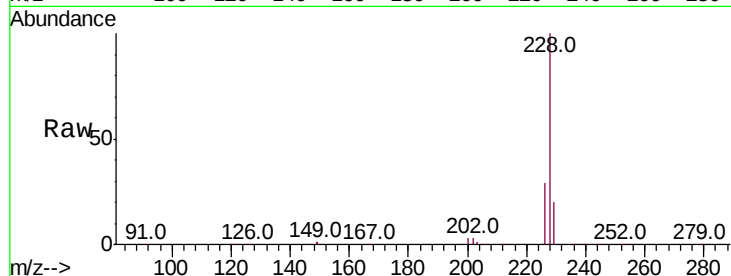
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 79248

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	19.7	16.0	24.0

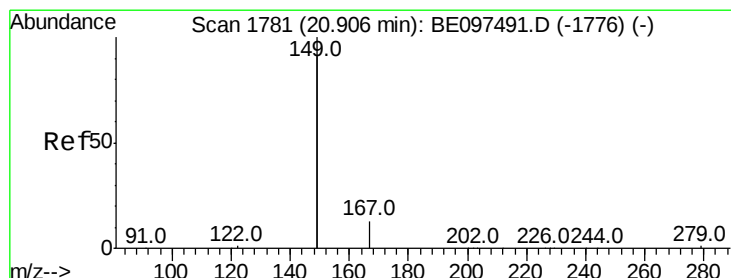
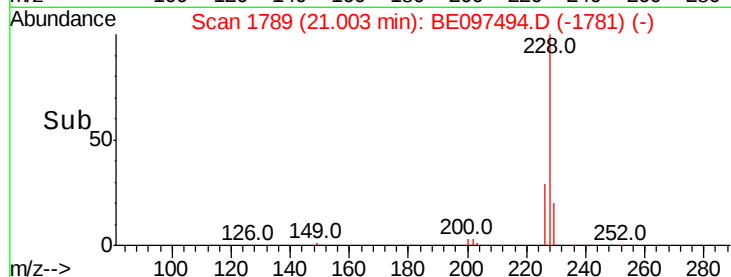
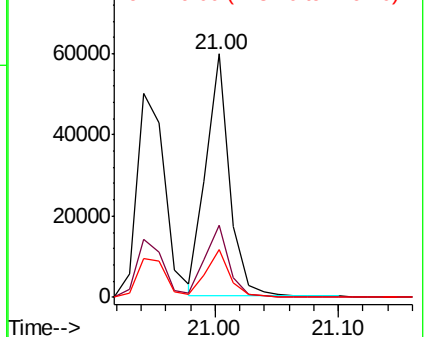


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 5.367 ng

RT: 20.91 min Scan# 1781

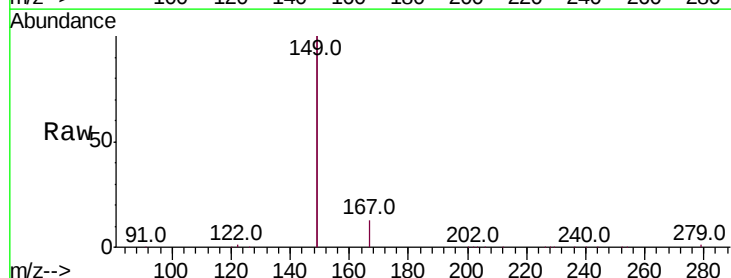
Delta R.T. -0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Tgt Ion:149 Resp: 172809

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.1	0.7	1.1

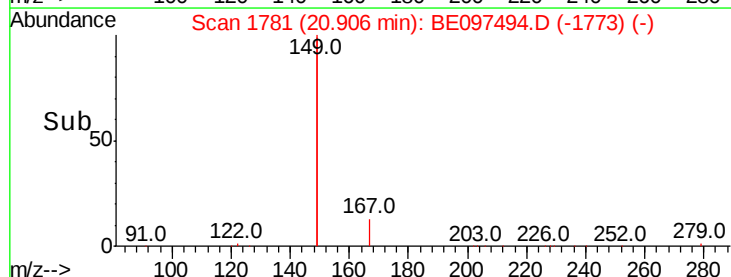
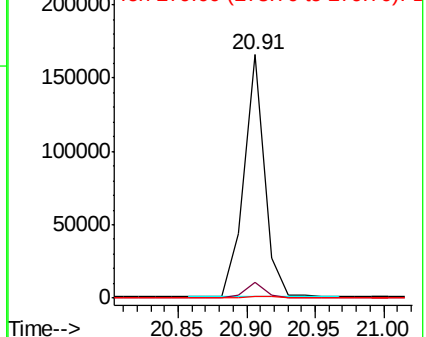


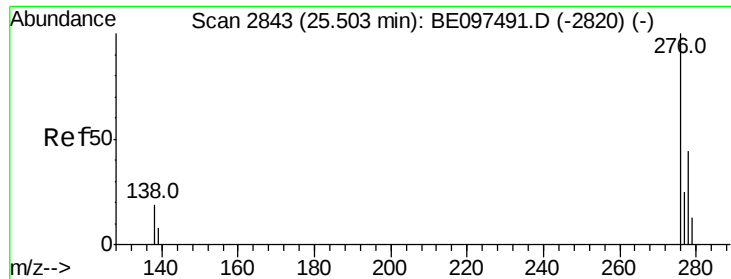
Abundance

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: 2.565 ng

RT: 25.49 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

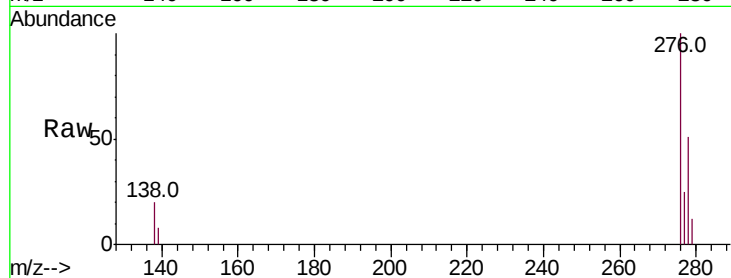
Tot Ion:276 Resp: 93847

Ion Ratio Lower Upper

276 100

138 20.6 22.5 33.7#

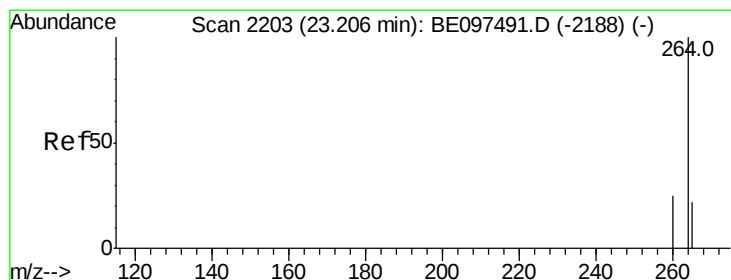
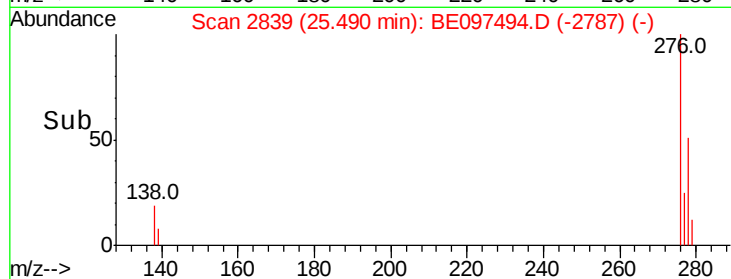
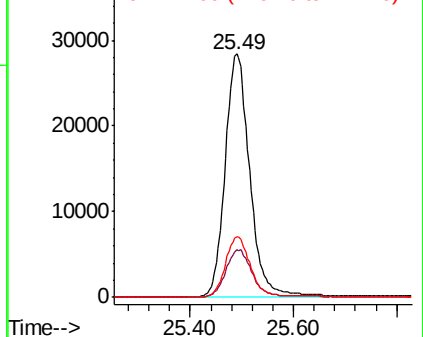
277 25.1 19.9 29.9



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: 23.20 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

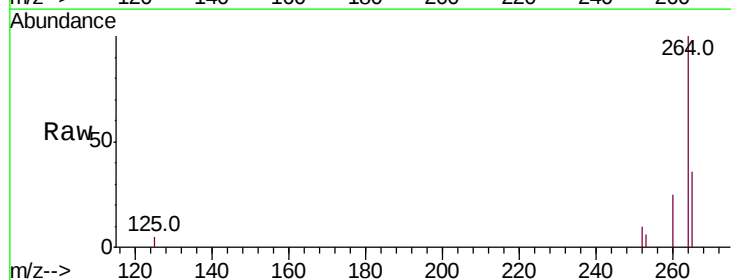
Tgt Ion:264 Resp: 9111

Ion Ratio Lower Upper

264 100

260 24.9 20.5 30.7

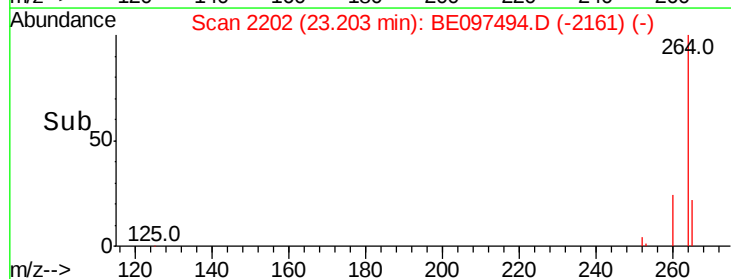
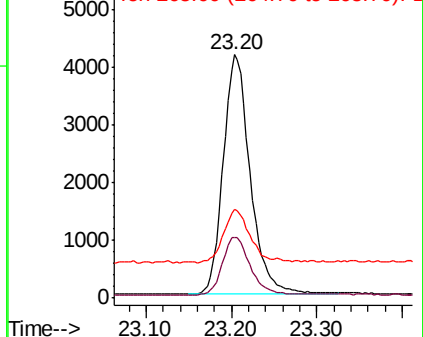
265 36.5 22.8 34.2#

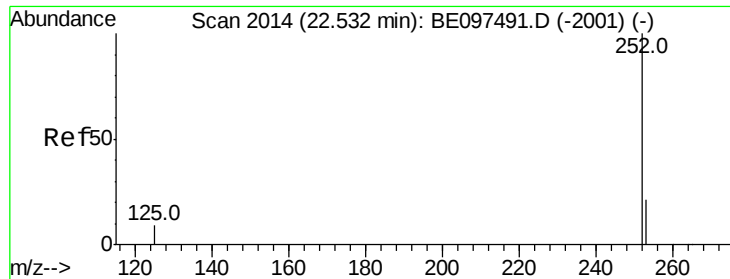


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 2.939 ng

RT: 22.53 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

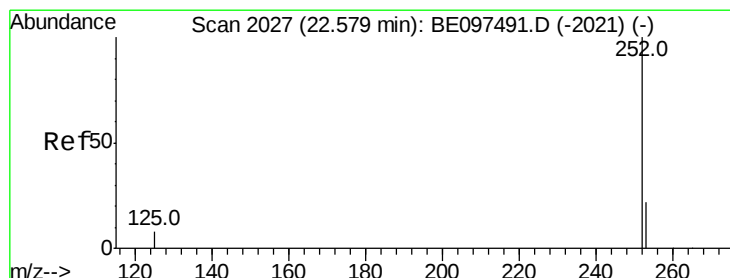
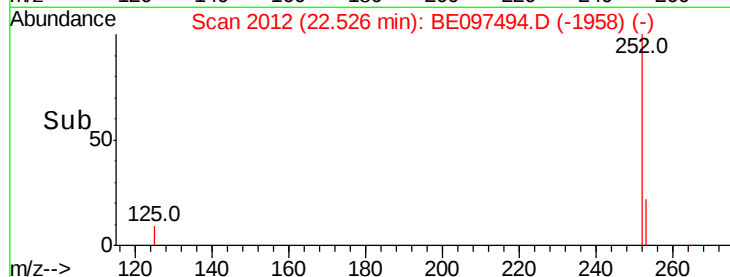
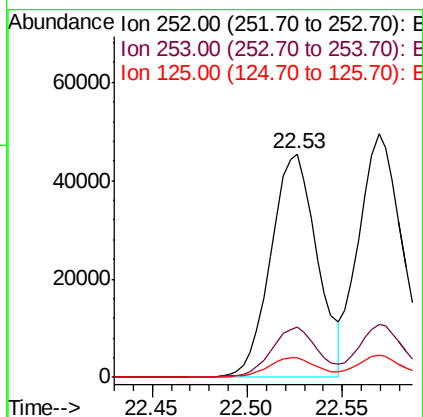
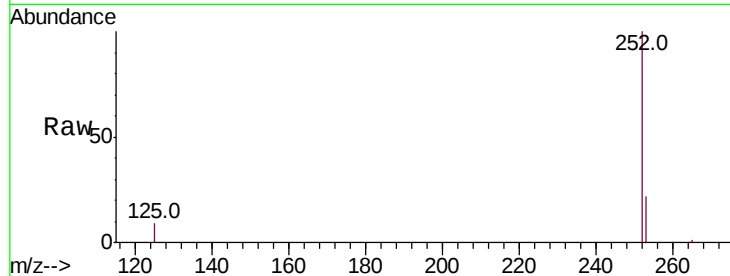
Tot Ion:252 Resp: 76560

Ion Ratio Lower Upper

252 100

253 22.3 20.0 30.0

125 8.9 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 2.834 ng

RT: 22.57 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

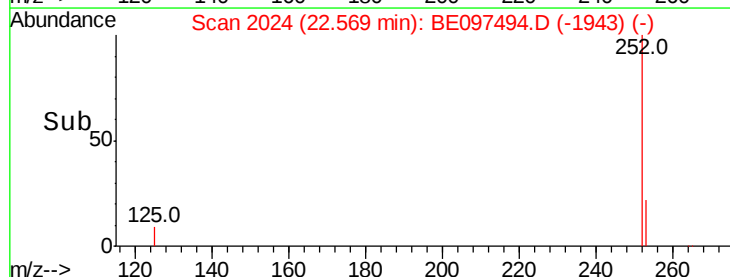
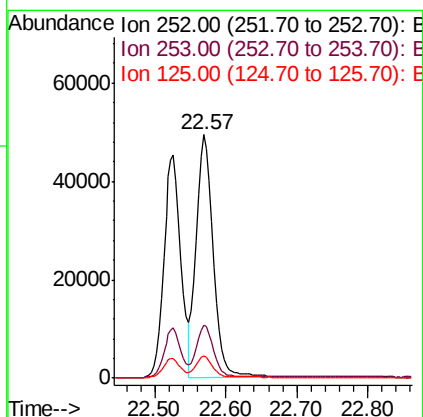
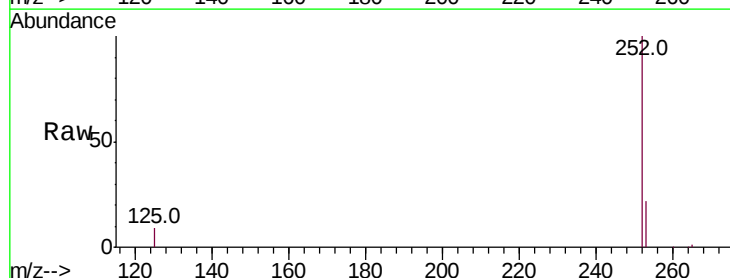
Tgt Ion:252 Resp: 81622

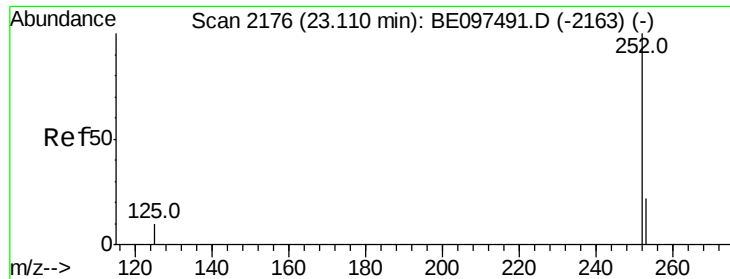
Ion Ratio Lower Upper

252 100

253 22.0 16.0 24.0

125 9.0 8.0 12.0





#37

Benzo(a)pyrene

Concen: 3.154 ng

RT: 23.10 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

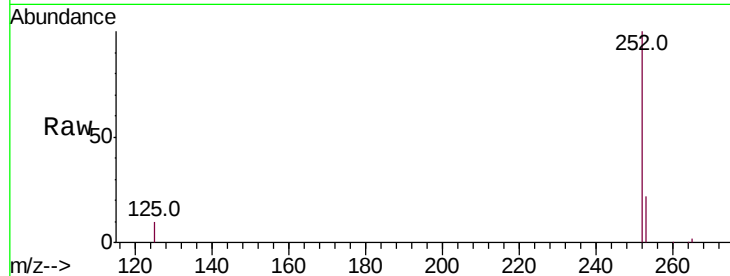
Tot Ion:252 Resp: 74144

Ion Ratio Lower Upper

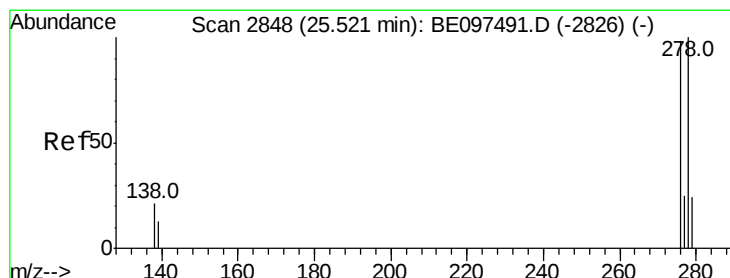
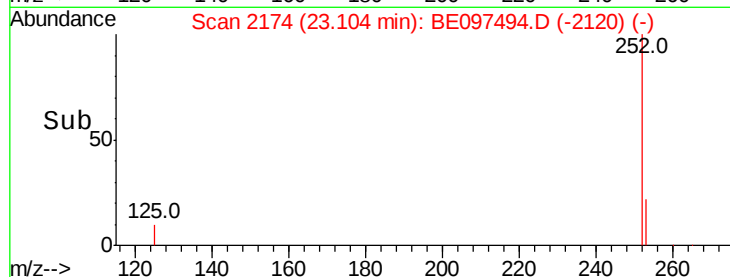
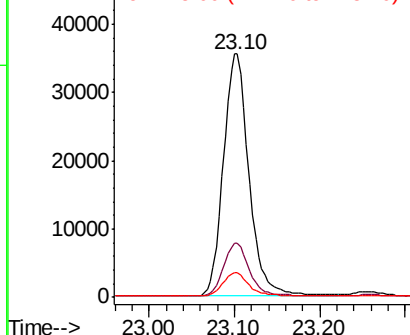
252 100

253 22.2 16.0 24.0

125 10.0 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: 2.550 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

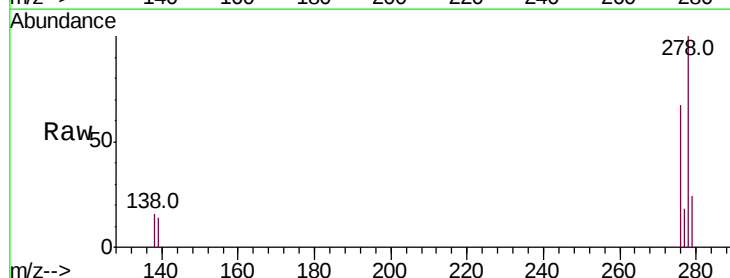
Tgt Ion:278 Resp: 78763

Ion Ratio Lower Upper

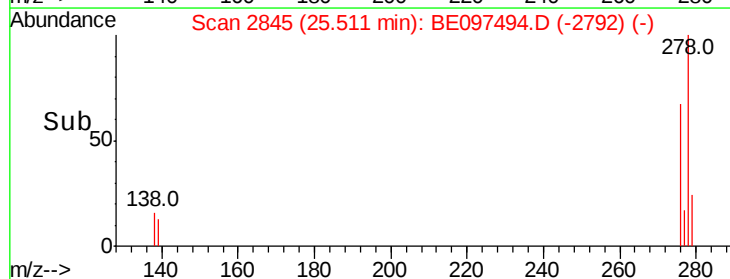
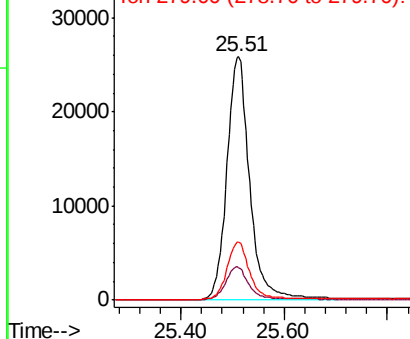
278 100

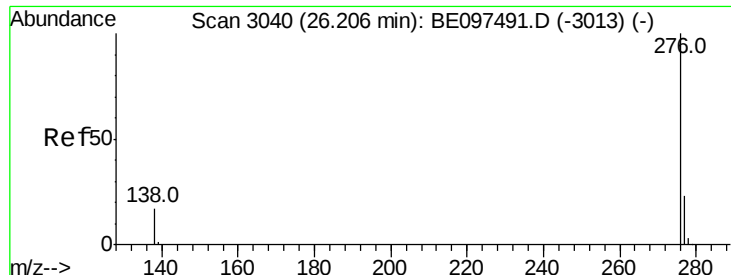
139 13.5 16.0 24.0#

279 24.0 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 2.441 ng

RT: 26.19 min Scan# 3036

Delta R.T. -0.01 min

Lab File: BE097494.D

Acq: 17 Sep 2018 13:10

Instrument :

BNA_E

ClientSampleId :

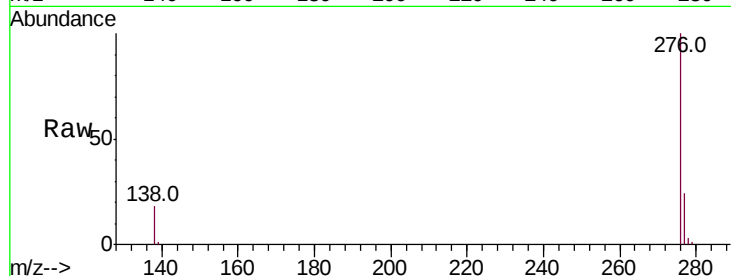
Tot Ion:276 Resp: 77839

Ion Ratio Lower Upper

276 100

277 24.1 16.0 24.0#

138 17.8 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

