

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE082018\
 Data File : BE097337.D
 Acq On : 20 Aug 2018 18:11
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE082018

Quant Time: Aug 20 18:51:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE082018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 20 18:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1051	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	5587	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2841	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	7090	0.40	ng	0.00
27) Chrysene-d12	20.98	240	5986	0.40	ng	0.00
34) Perylene-d12	23.22	264	4485	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1036	0.43	ng	0.00
5) Phenol-d6	6.59	99	1559	0.44	ng	0.00
8) Nitrobenzene-d5	8.52	82	1146	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3151	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	207	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4564	0.39	ng	0.00
25) Fluoranthene-d10	18.81	212	24970	0.39	ng	0.00
29) Terphenyl-d14	19.43	244	5045	0.42	ng	0.00

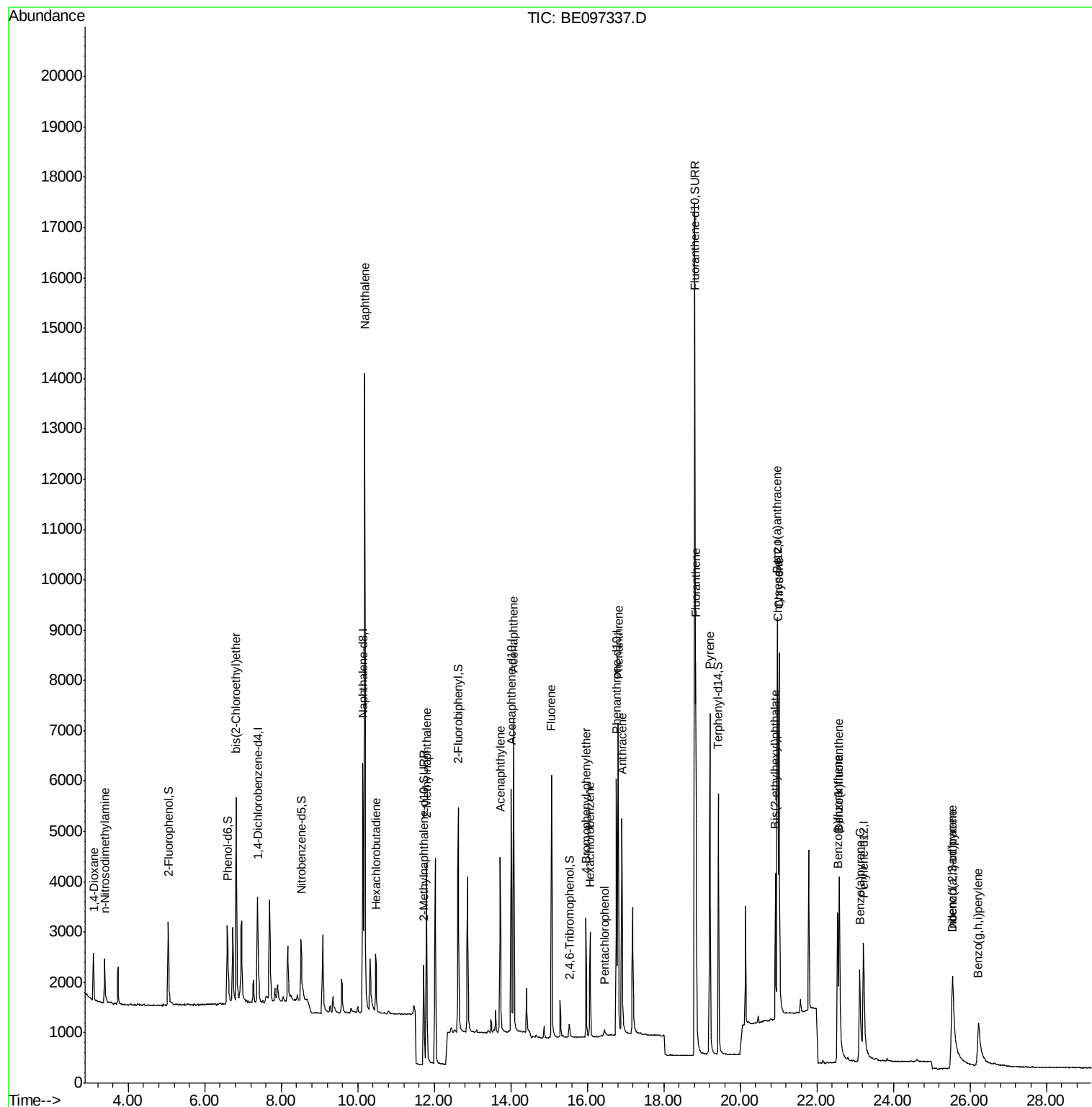
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	657	0.420	ng	# 87
3) n-Nitrosodimethylamine	3.38	42	672	0.462	ng	# 83
6) bis(2-Chloroethyl)ether	6.82	93	1494	0.420	ng	95
9) Naphthalene	10.19	128	20997	0.410	ng	100
10) Hexachlorobutadiene	10.47	225	878	0.390	ng	96
12) 2-Methylnaphthalene	11.80	142	3221	0.418	ng	97
16) Acenaphthylene	13.73	152	4059	0.375	ng	99
17) Acenaphthene	14.07	154	3091	0.404	ng	# 92
18) Fluorene	15.06	166	3636	0.389	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1250	0.391	ng	# 84
21) Hexachlorobenzene	16.08	284	1650	0.384	ng	# 82
22) Pentachlorophenol	16.45	266	143	0.476	ng	93
23) Phenanthrene	16.81	178	6979	0.404	ng	99
24) Anthracene	16.90	178	5359	0.419	ng	95
26) Fluoranthene	18.84	202	6890	0.414	ng	98
28) Pyrene	19.21	202	7037	0.438	ng	100
30) Benzo(a)anthracene	20.97	228	5360	0.416	ng	96
31) Chrysene	21.01	228	6838	0.405	ng	100
32) Bis(2-ethylhexyl)phthalate	20.92	149	3266	0.450	ng	98
33) Indeno(1,2,3-cd)pyrene	25.55	276	4323	0.403	ng	# 86
35) Benzo(b)fluoranthene	22.54	252	4453	0.377	ng	# 91
36) Benzo(k)fluoranthene	22.59	252	6433	0.388	ng	94
37) Benzo(a)pyrene	23.12	252	4588	0.426	ng	# 93
38) Dibenzo(a,h)anthracene	25.56	278	3275	0.356	ng	# 94
39) Benzo(g,h,i)perylene	26.22	276	3537	0.381	ng	# 91

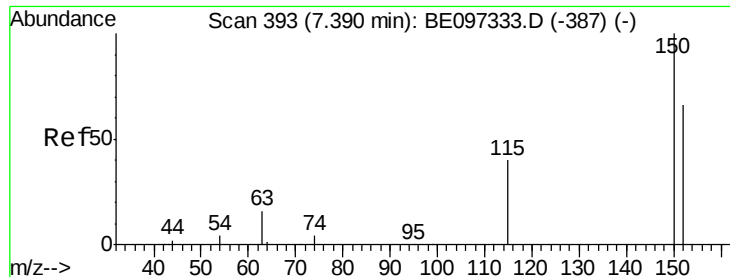
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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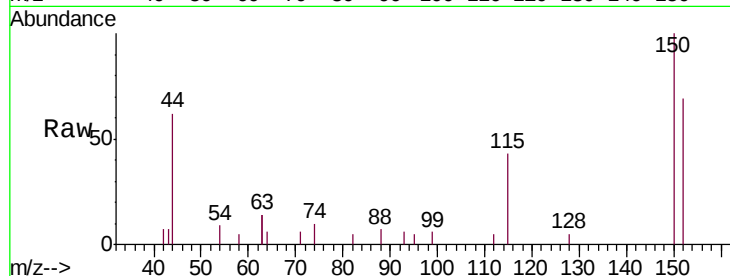


#1

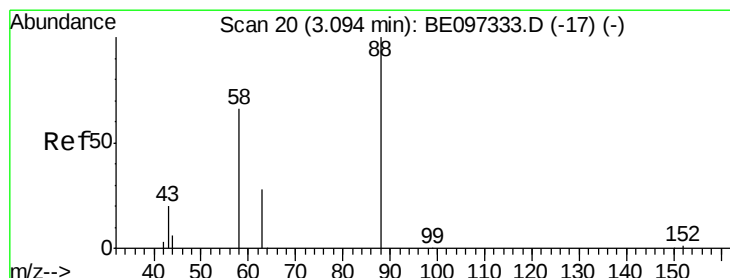
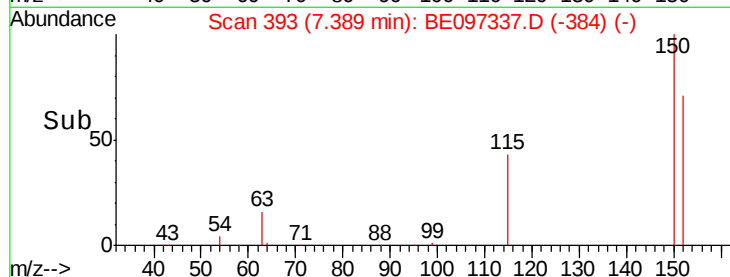
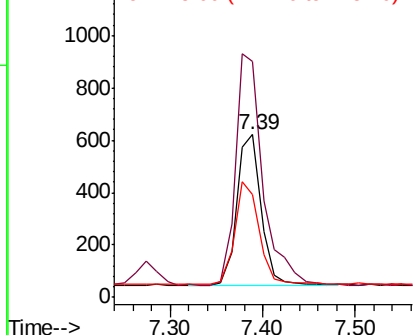
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

Instrument :
BNA_E
ClientSampleId :
ICVBE082018

Tgt Ion:152 Resp: 1051
Ion Ratio Lower Upper
152 100
150 145.2 117.2 175.8
115 63.1 57.0 85.6



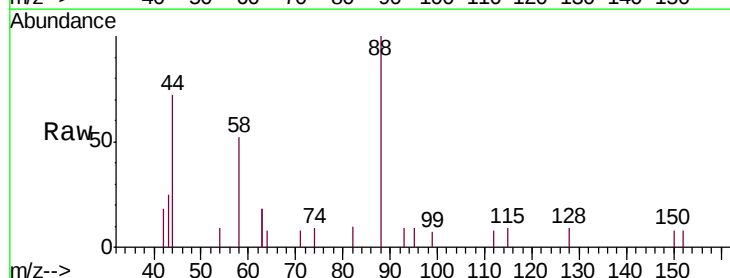
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



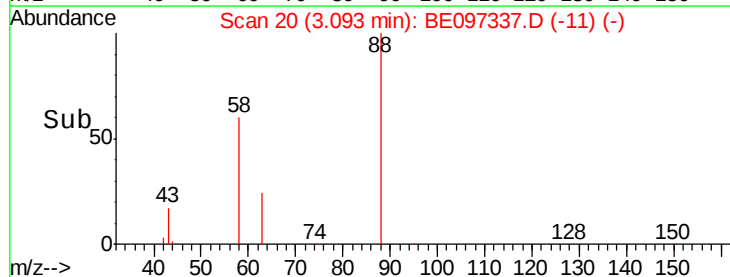
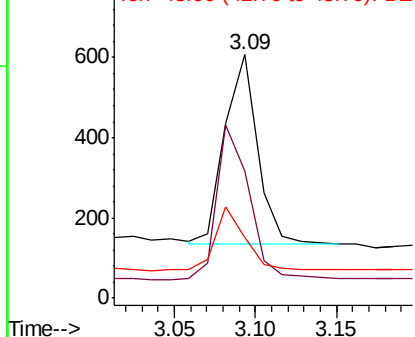
#2

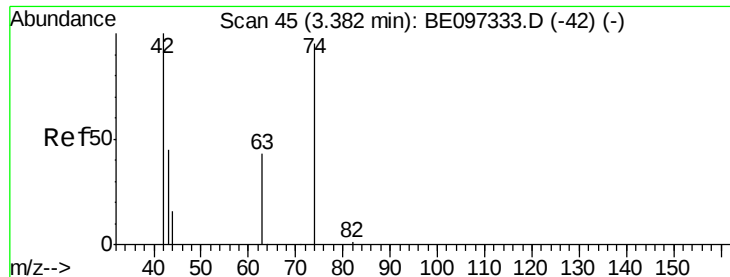
1,4-Dioxane
Concen: 0.420 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

Tgt Ion: 88 Resp: 657
Ion Ratio Lower Upper
88 100
58 82.2 63.2 94.8
43 31.8 41.2 61.8#



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





#3

n-Nitrosodimethylamine

Concen: 0.462 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

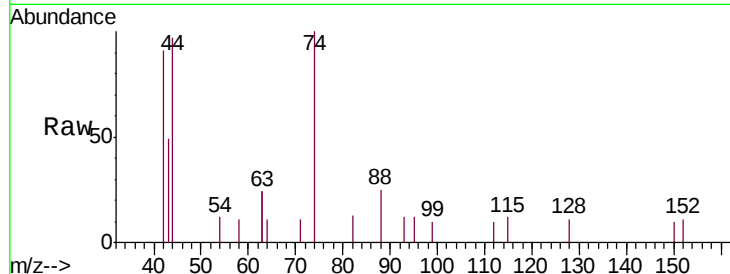
Tgt Ion: 42 Resp: 672

Ion Ratio Lower Upper

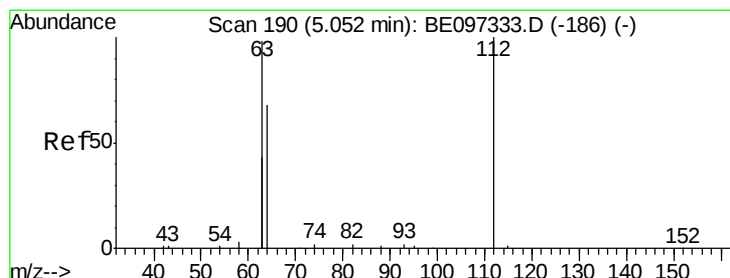
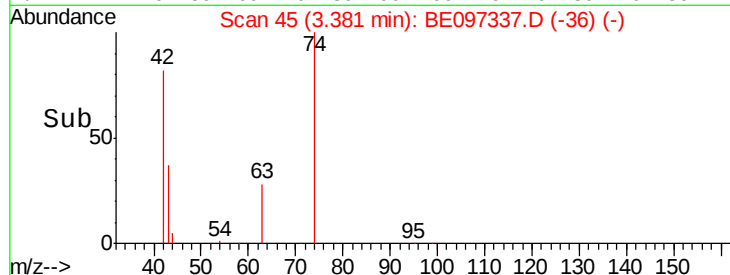
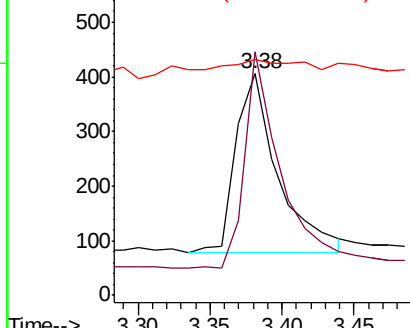
42 100

74 101.9 96.0 144.0

44 26.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.430 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

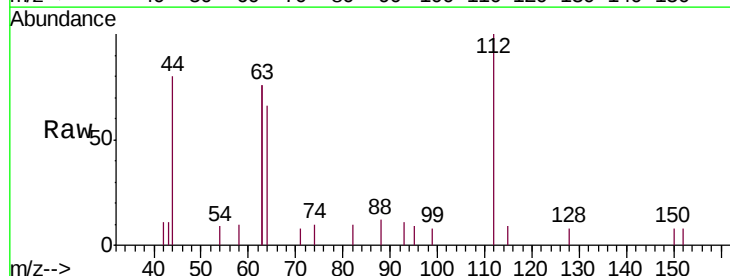
Tgt Ion: 112 Resp: 1036

Ion Ratio Lower Upper

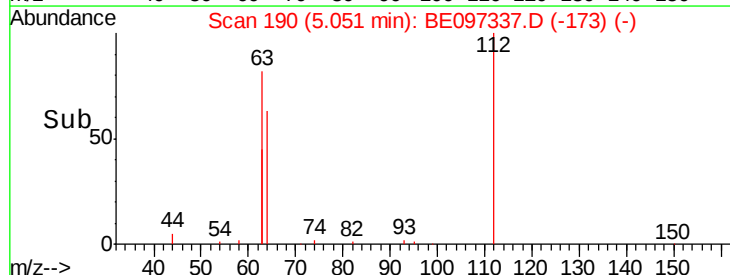
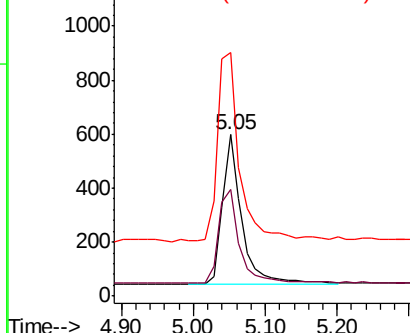
112 100

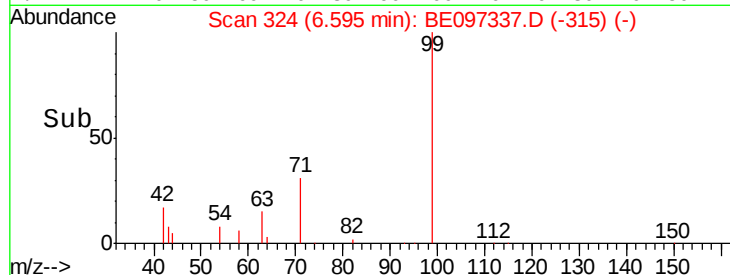
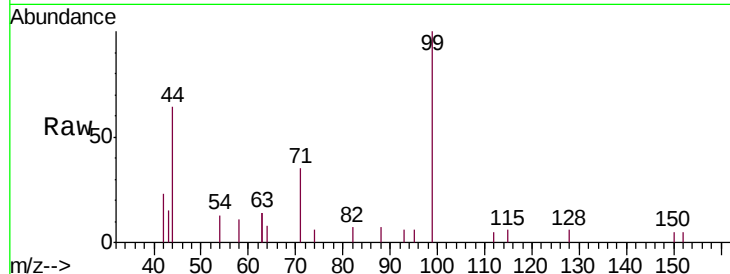
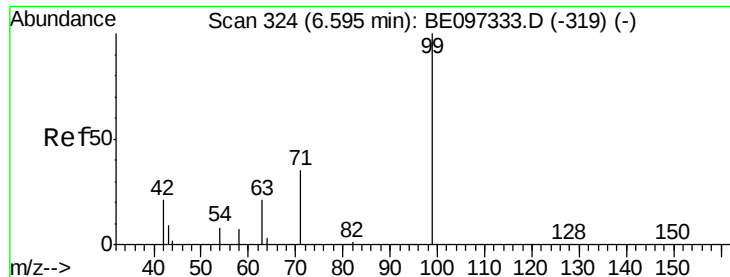
64 69.5 60.1 90.1

63 147.8 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.437 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

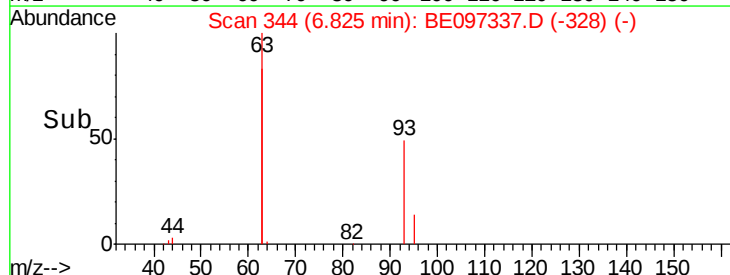
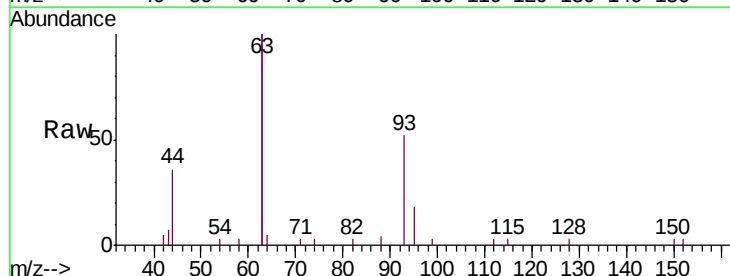
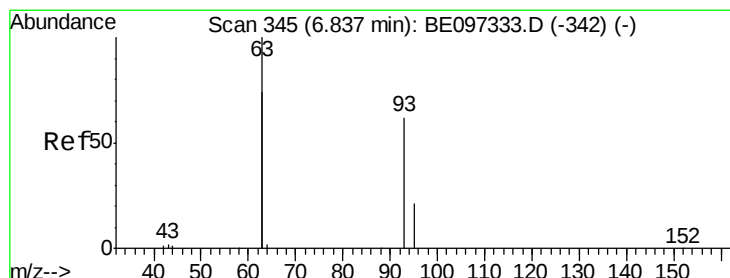
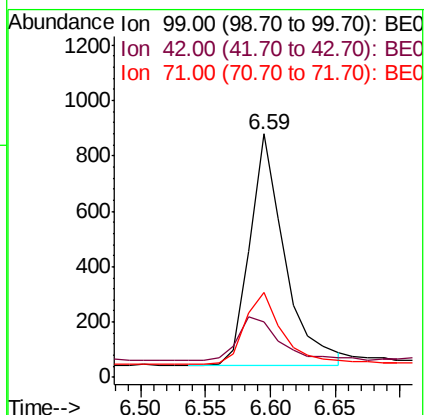
Tgt Ion: 99 Resp: 1559

Ion Ratio Lower Upper

99 100

42 22.5 20.2 30.2

71 33.8 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.420 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

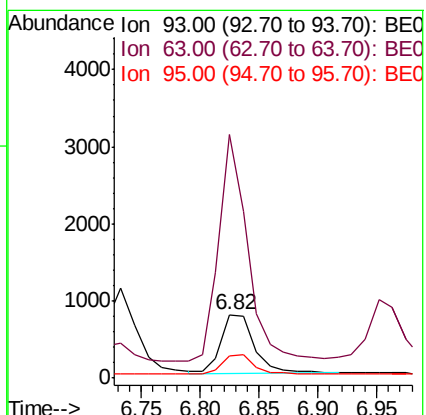
Tgt Ion: 93 Resp: 1494

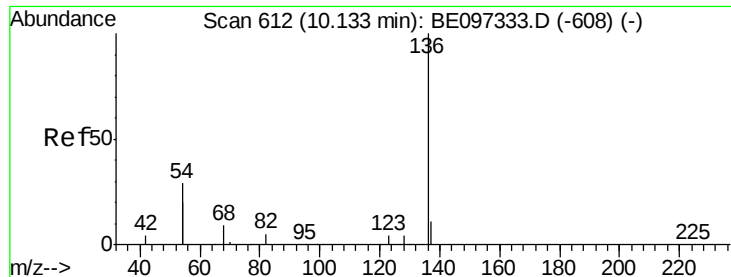
Ion Ratio Lower Upper

93 100

63 333.5 275.3 412.9

95 34.3 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: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

Tgt Ion: 136 Resp: 5587

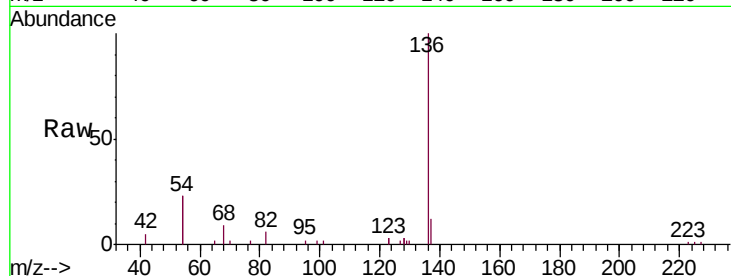
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 45.3 29.1 43.7#

68 9.0 6.2 9.2

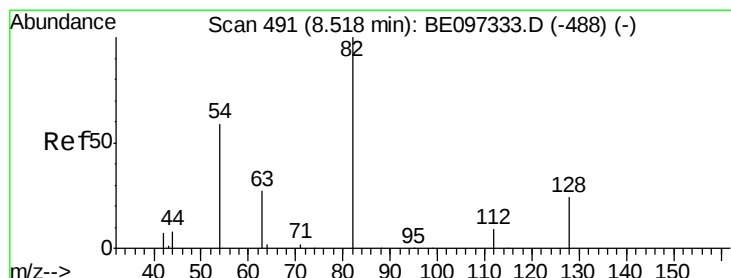
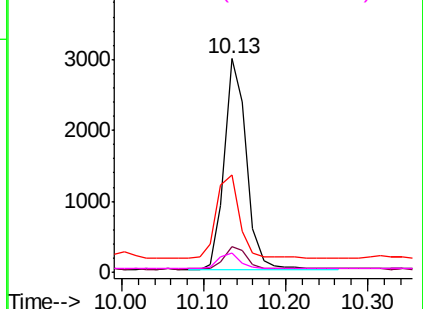
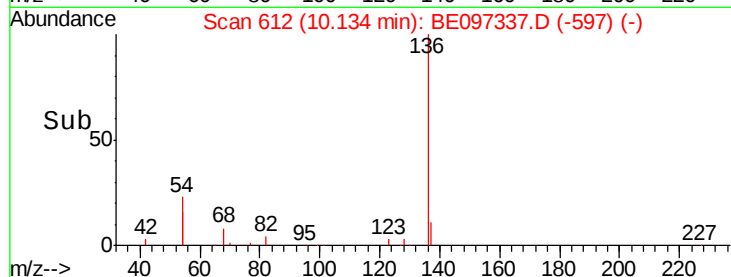


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.479 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

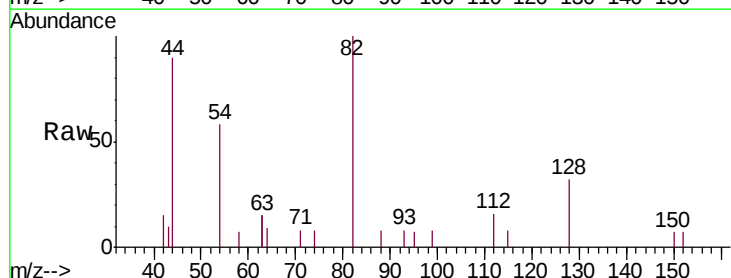
Tgt Ion: 82 Resp: 1146

Ion Ratio Lower Upper

82 100

128 31.8 24.0 36.0

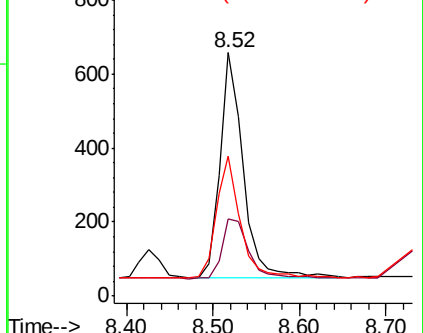
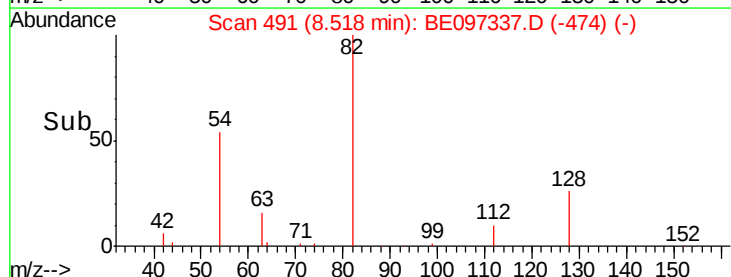
54 57.6 40.0 60.0

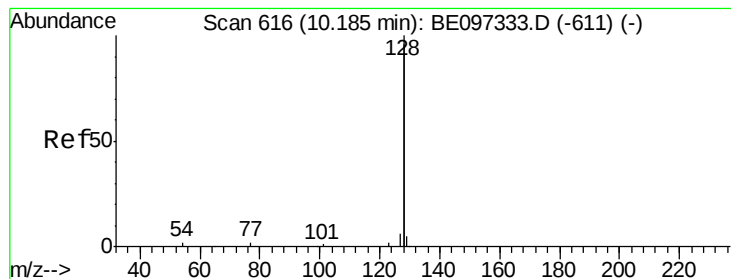


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.410 ng

RT: 10.19 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

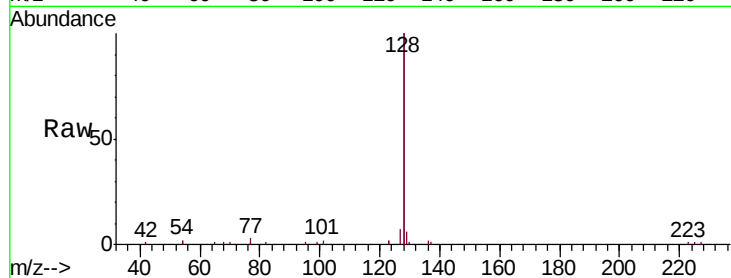
Tgt Ion:128 Resp: 20997

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

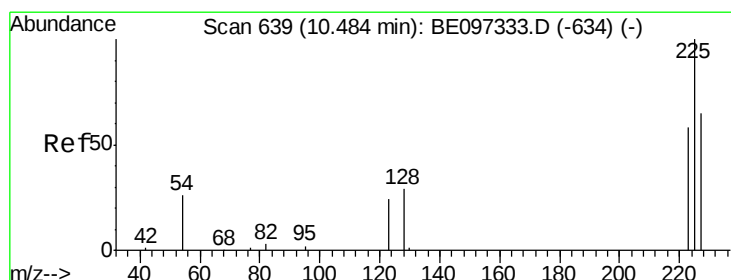
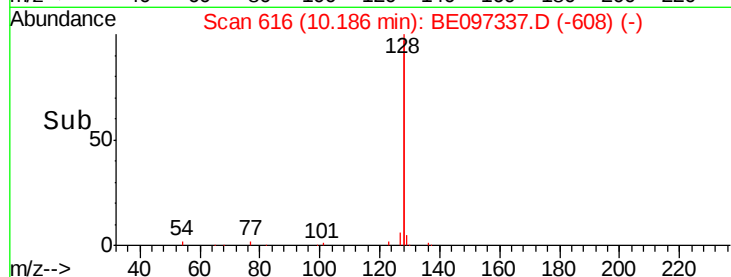
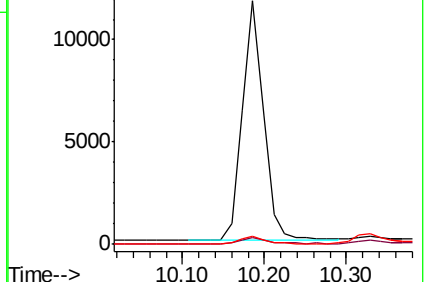
127 3.5 2.8 4.2



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: 0.390 ng

RT: 10.47 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

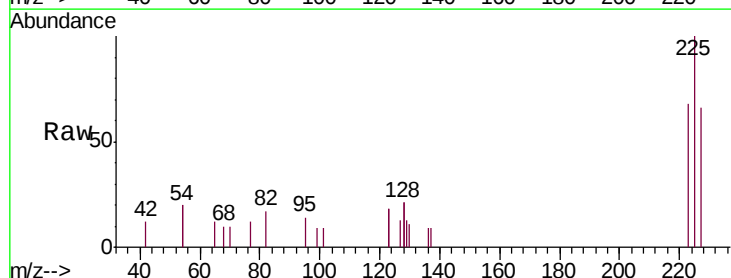
Tgt Ion:225 Resp: 878

Ion Ratio Lower Upper

225 100

223 61.8 53.0 79.6

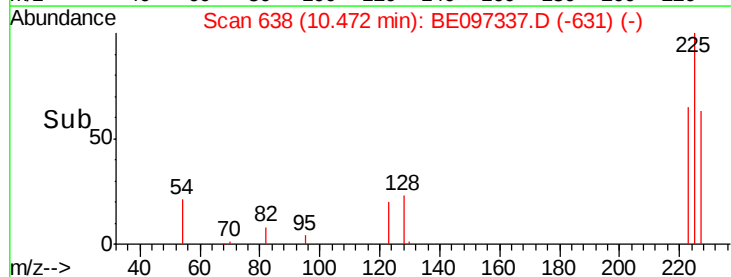
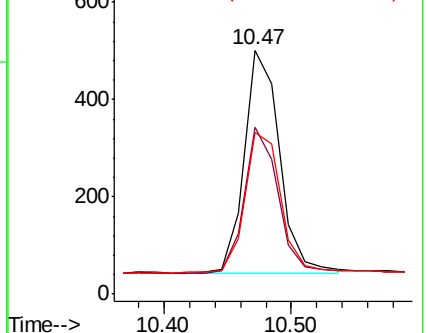
227 65.4 51.4 77.2

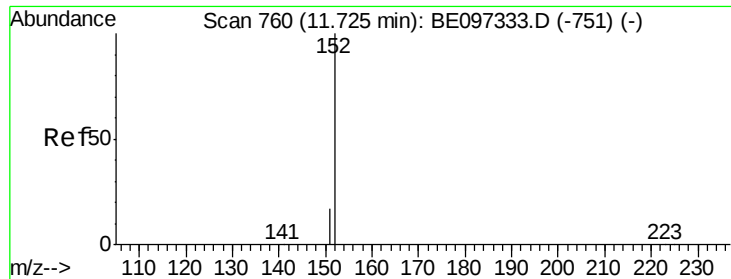


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

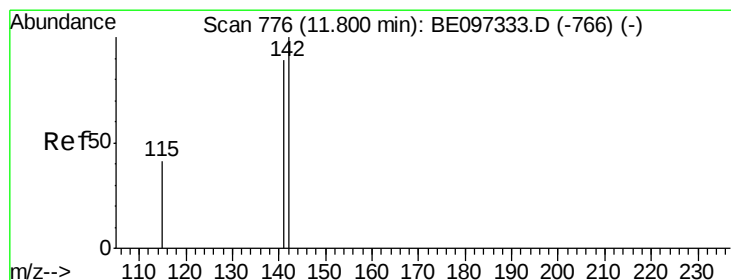
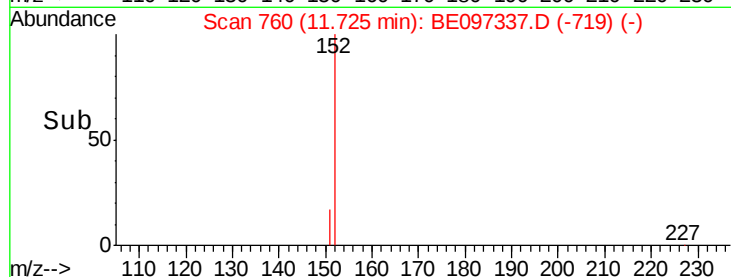
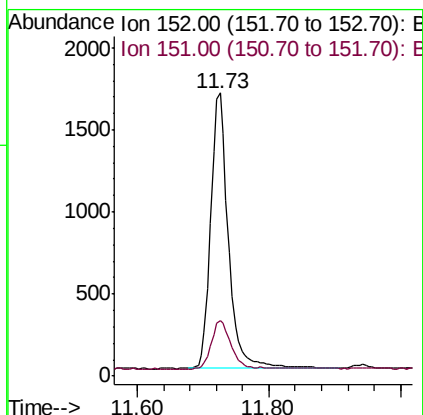
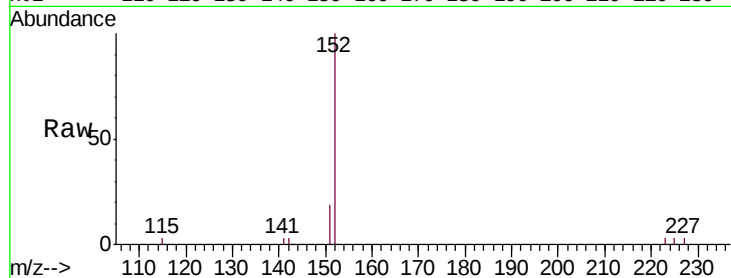




#11
2-Methylnaphthalene-d10
Concen: 0.417 ng
RT: 11.73 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

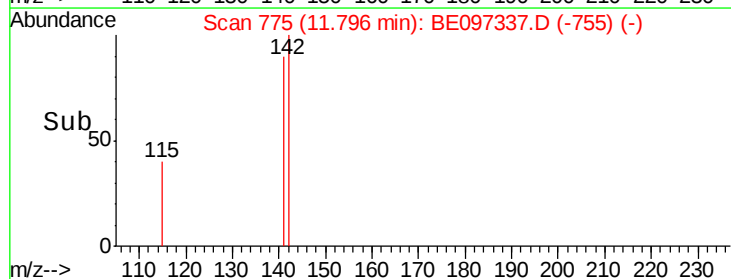
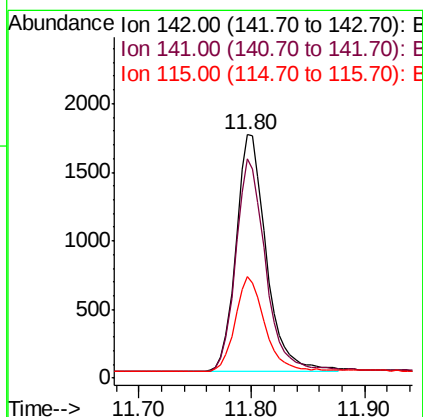
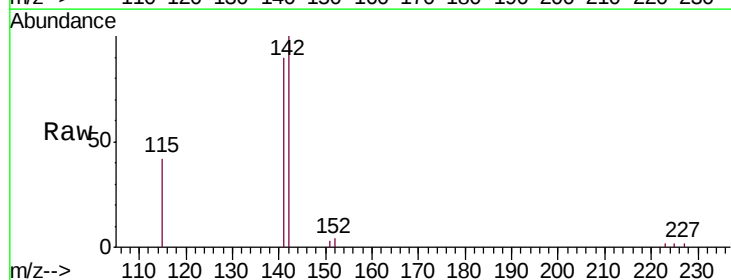
Instrument :
BNA_E
ClientSampleId :
ICVBE082018

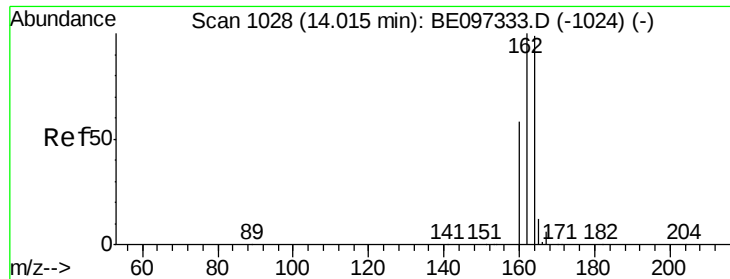
Tgt Ion:152 Resp: 3151
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.418 ng
RT: 11.80 min Scan# 775
Delta R.T. -0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

Tgt Ion:142 Resp: 3221
Ion Ratio Lower Upper
142 100
141 90.1 70.4 105.6
115 41.9 31.7 47.5

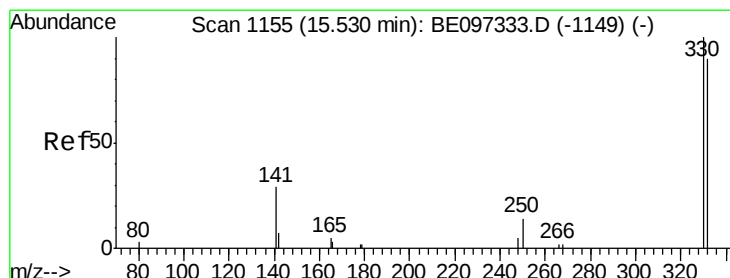
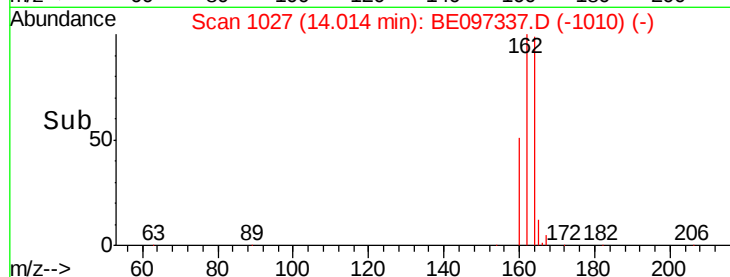
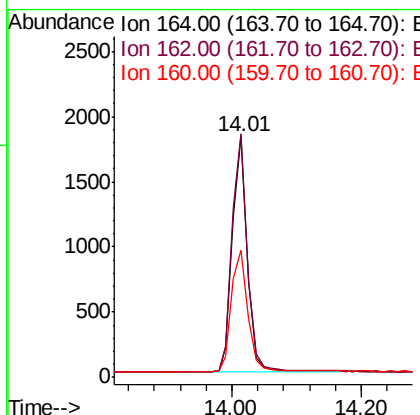
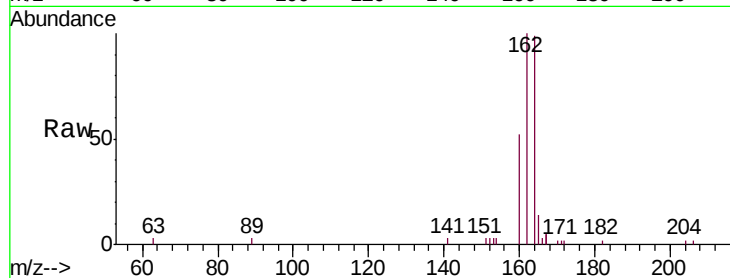




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE097337.D
 Acq: 20 Aug 2018 18:11

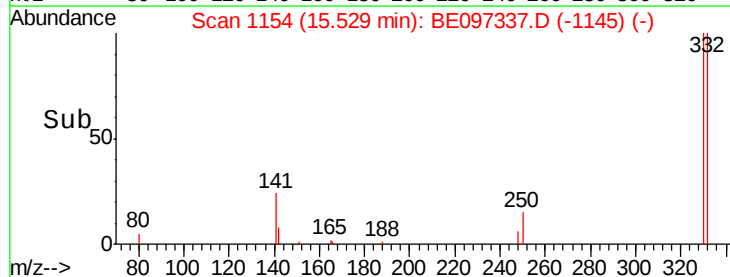
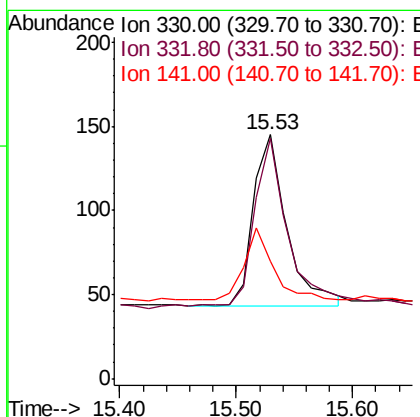
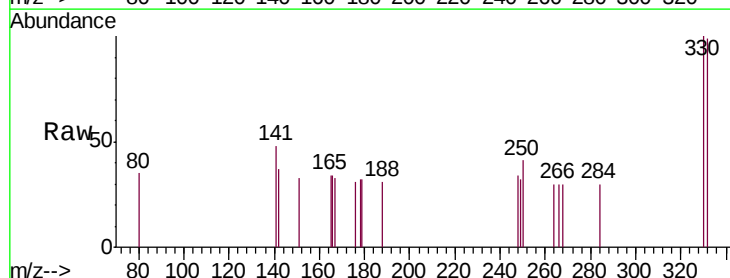
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE082018

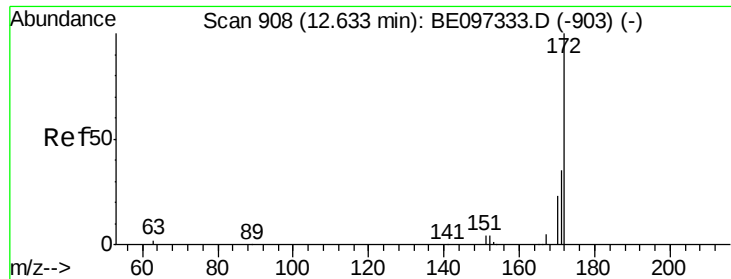
Tgt Ion:164 Resp: 2841
 Ion Ratio Lower Upper
 164 100
 162 101.0 83.1 124.7
 160 52.9 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.412 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE097337.D
 Acq: 20 Aug 2018 18:11

Tgt Ion:330 Resp: 207
 Ion Ratio Lower Upper
 330 100
 332 95.7 152.7 229.1#
 141 35.7 33.7 50.5

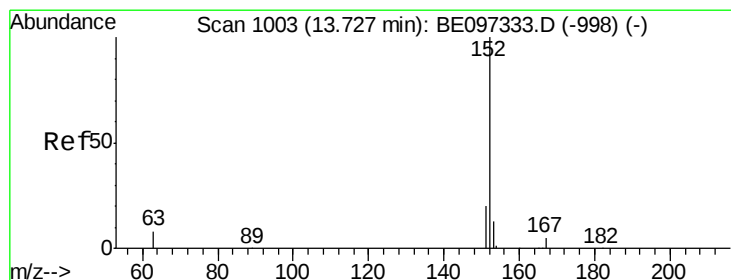
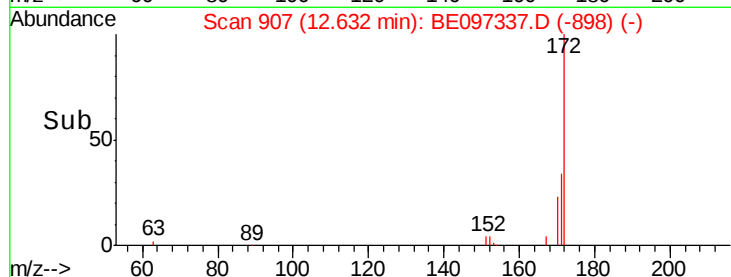
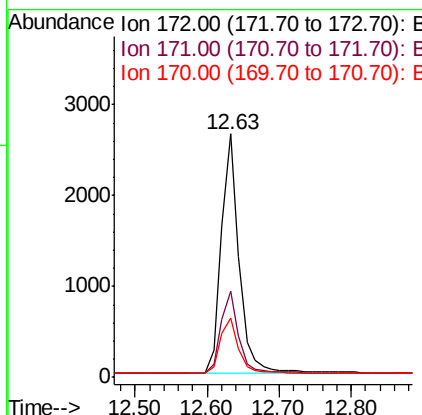
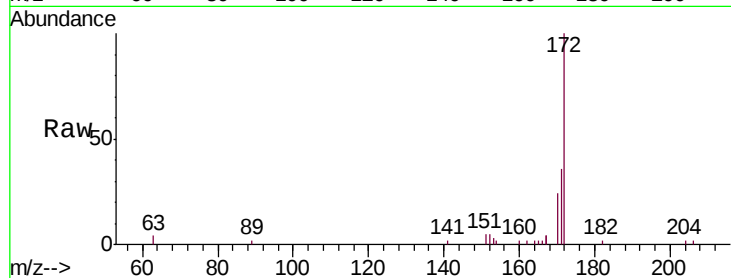




#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

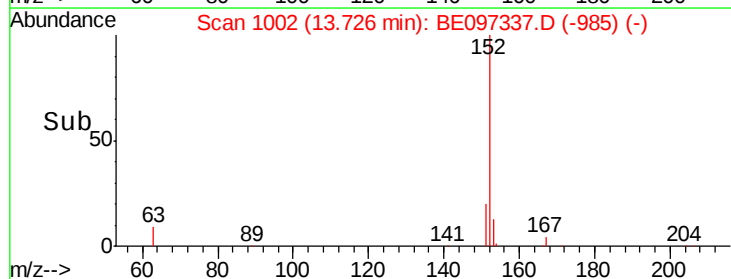
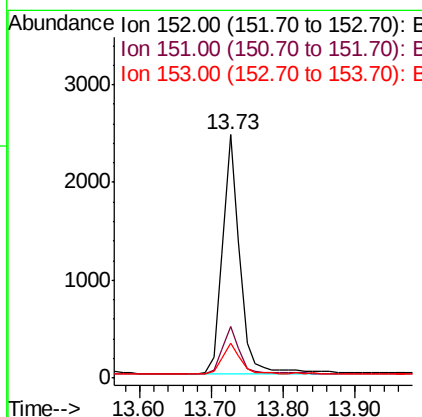
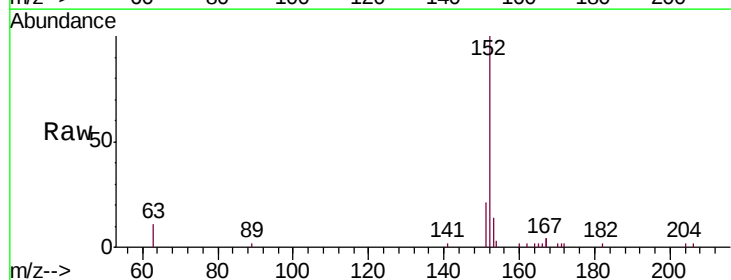
Instrument :
BNA_E
ClientSampleId :
ICVBE082018

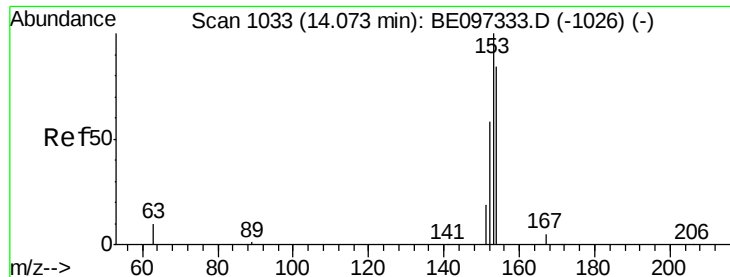
Tgt Ion:172 Resp: 4564
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 24.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.375 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

Tgt Ion:152 Resp: 4059
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.404 ng

RT: 14.07 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

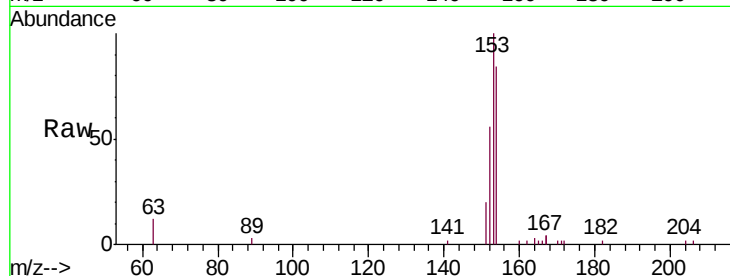
Tgt Ion:154 Resp: 3091

Ion Ratio Lower Upper

154 100

153 116.2 89.2 133.8

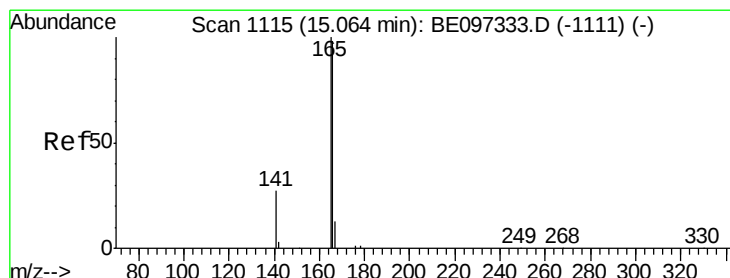
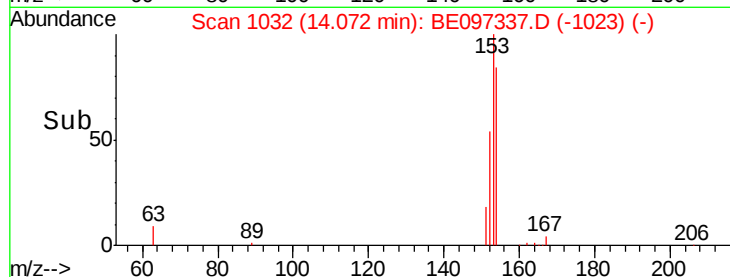
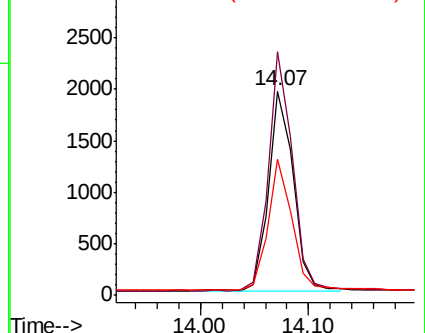
152 63.5 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.389 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

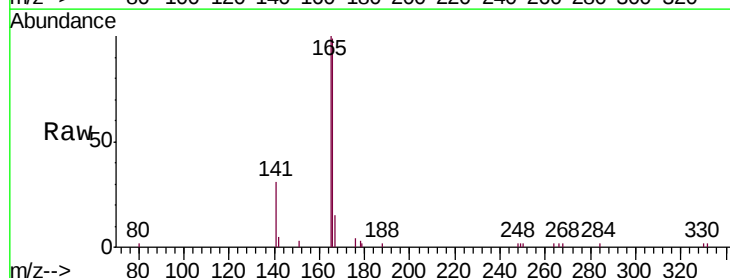
Tgt Ion:166 Resp: 3636

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.6

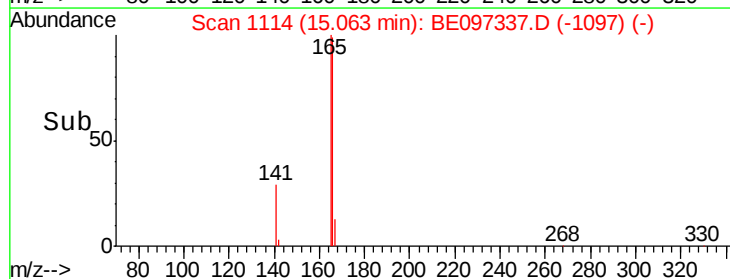
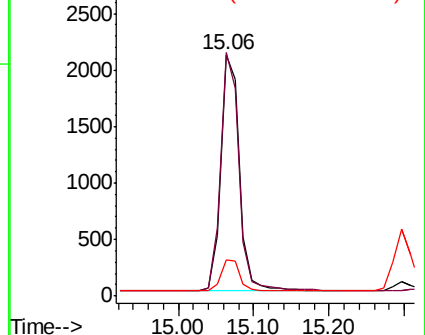
167 13.6 42.4 63.6#

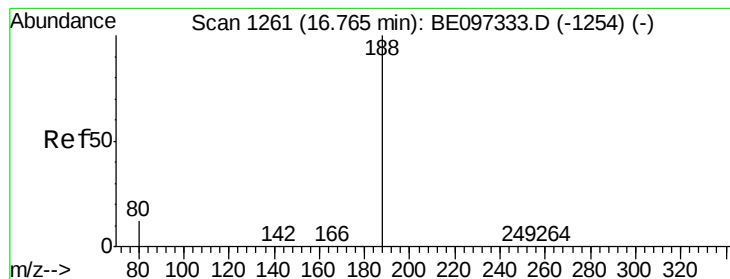


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

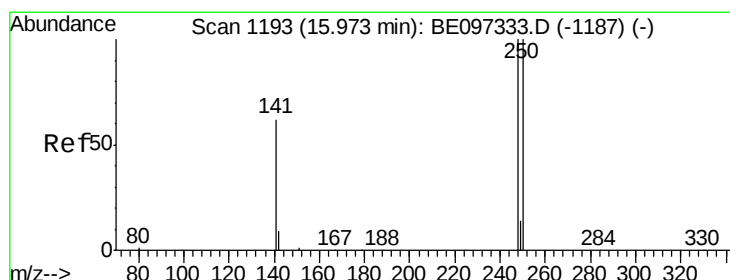
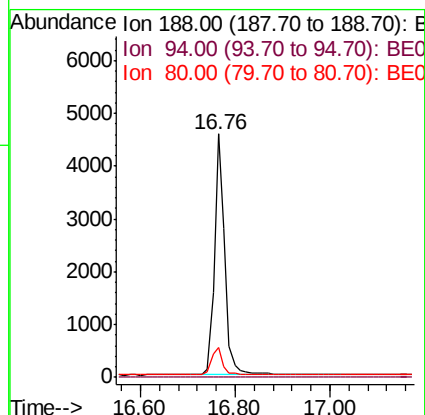
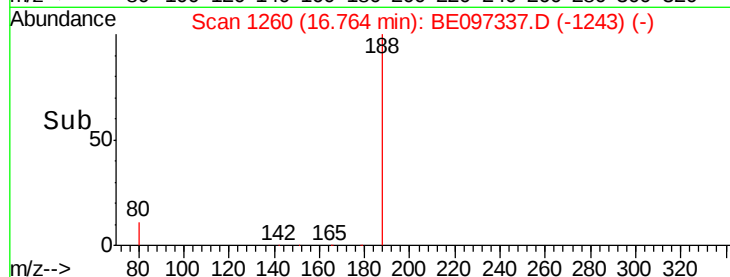
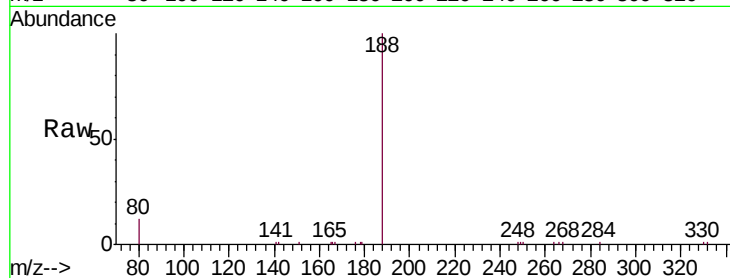
Tgt Ion:188 Resp: 7090

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 12.4 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.391 ng

RT: 15.97 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

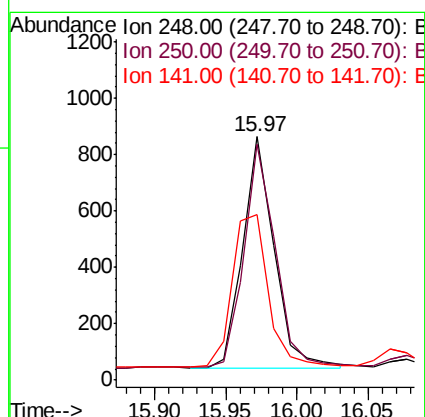
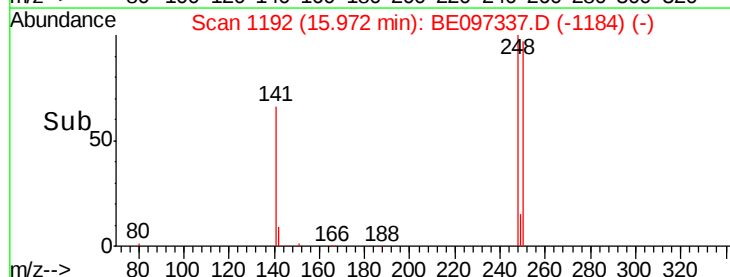
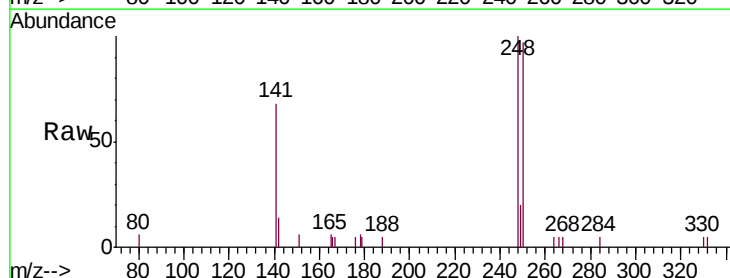
Tgt Ion:248 Resp: 1250

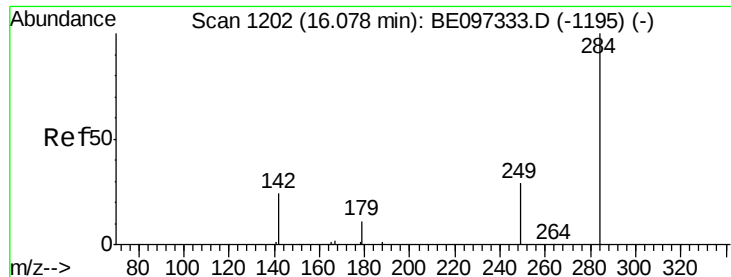
Ion Ratio Lower Upper

248 100

250 96.8 62.7 94.1#

141 68.1 48.2 72.2

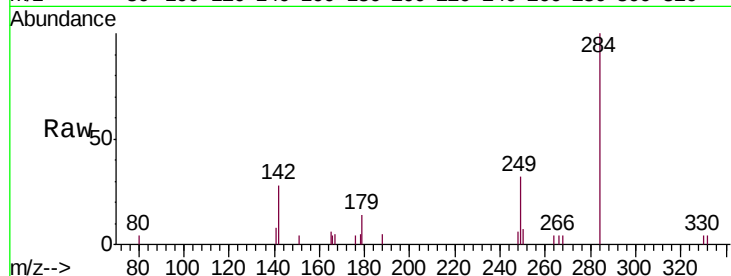




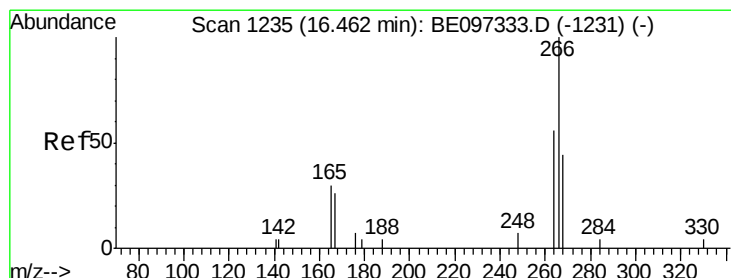
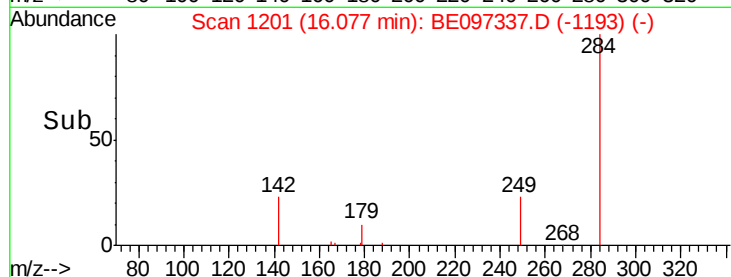
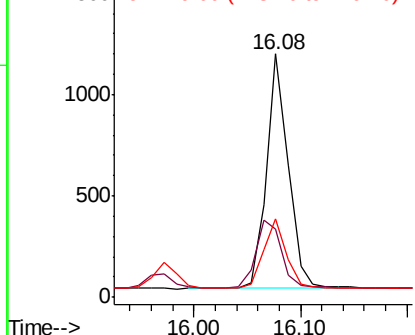
#21
Hexachlorobenzene
Concen: 0.384 ng
RT: 16.08 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

Instrument :
BNA_E
ClientSampleId :
ICVBE082018

Tgt Ion: 284 Resp: 1650
Ion Ratio Lower Upper
284 100
142 34.0 22.1 33.1#
249 29.7 34.8 52.2#

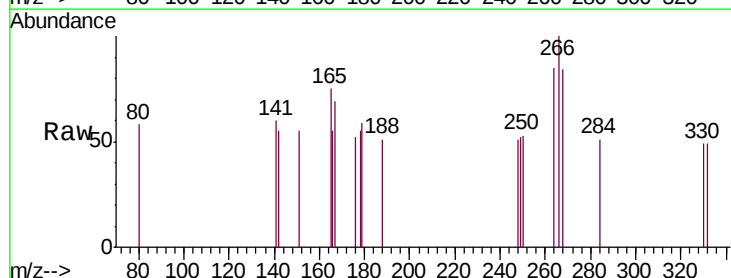


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

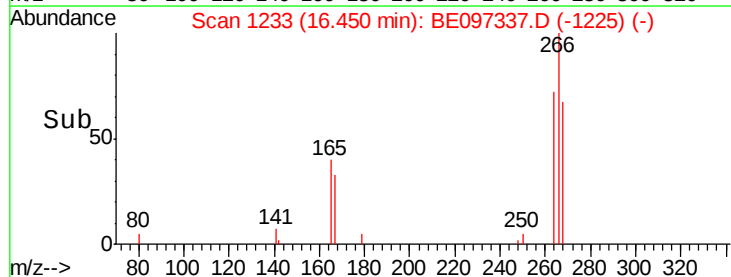
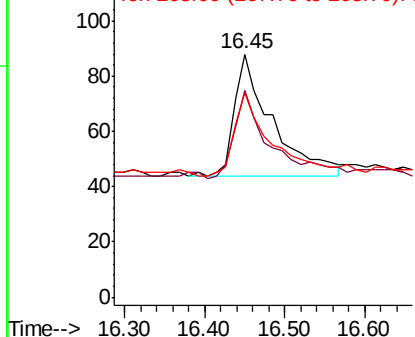


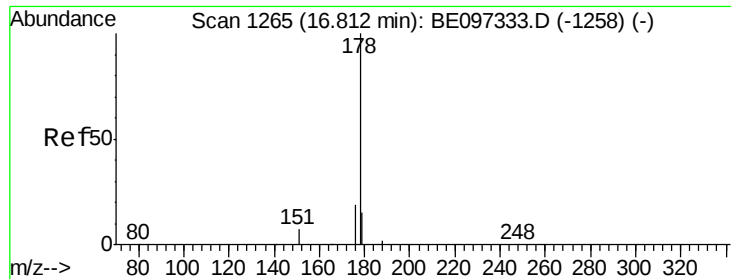
#22
Pentachlorophenol
Concen: 0.476 ng
RT: 16.45 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

Tgt Ion: 266 Resp: 143
Ion Ratio Lower Upper
266 100
264 85.2 72.5 108.7
268 84.1 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: 0.404 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

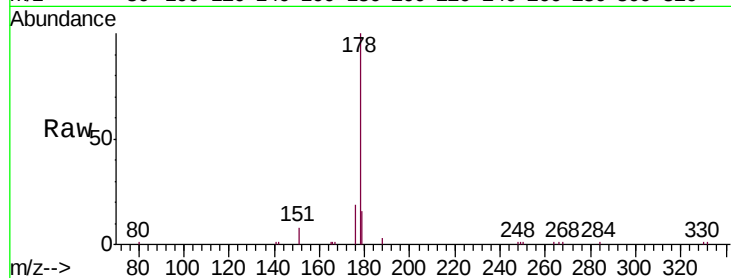
Tgt Ion:178 Resp: 6979

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

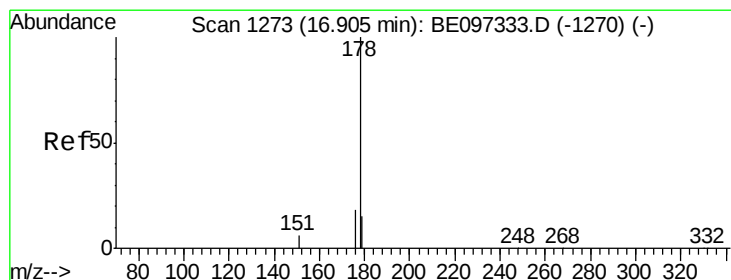
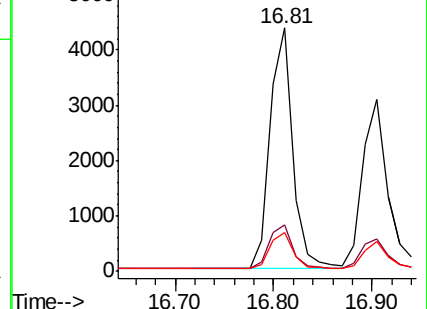
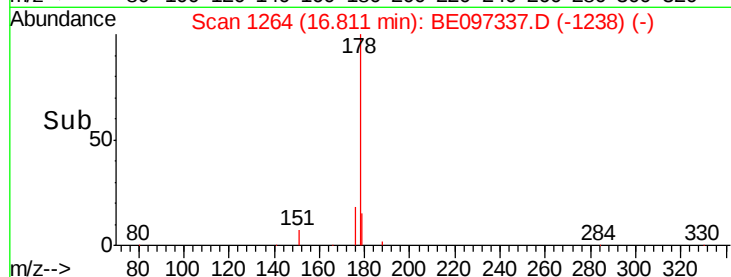
179 15.1 11.8 17.6



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: 0.419 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

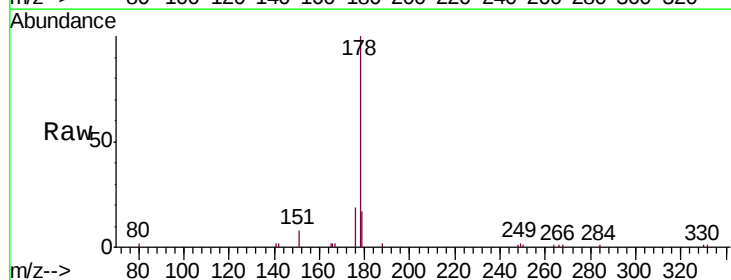
Tgt Ion:178 Resp: 5359

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

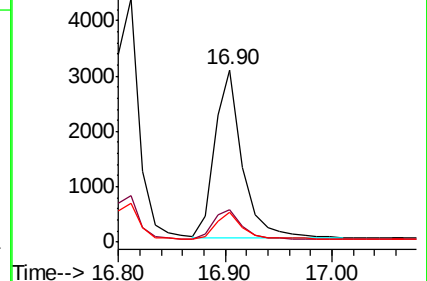
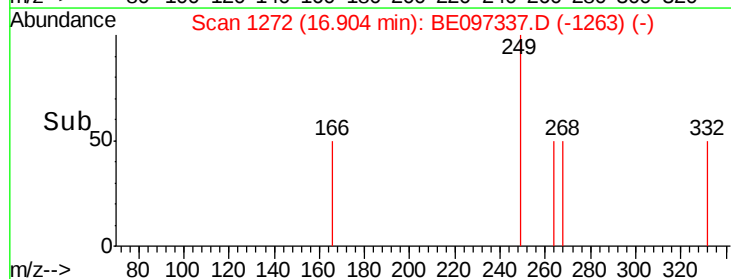
179 15.2 13.0 19.6

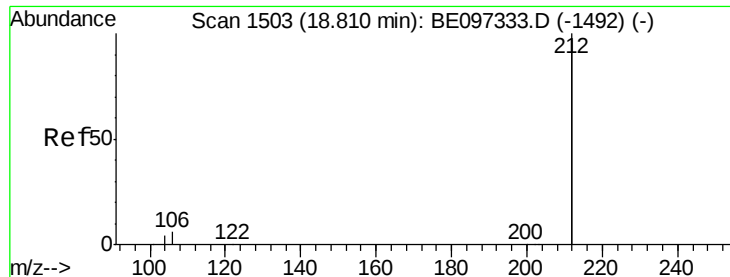


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

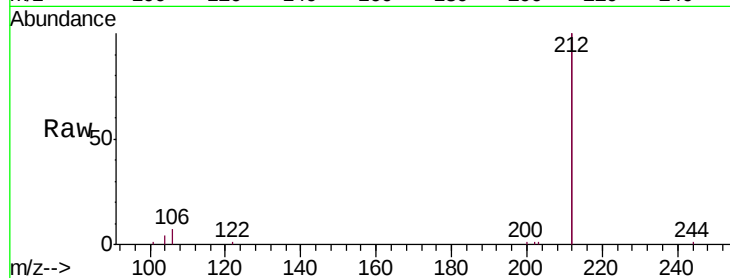
Tgt Ion:212 Resp: 24970

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

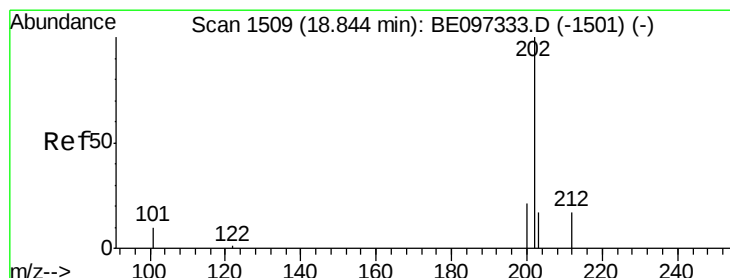
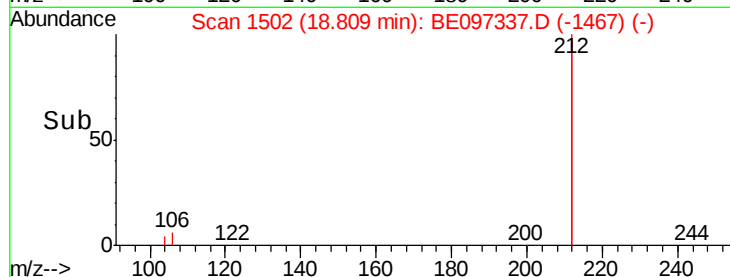
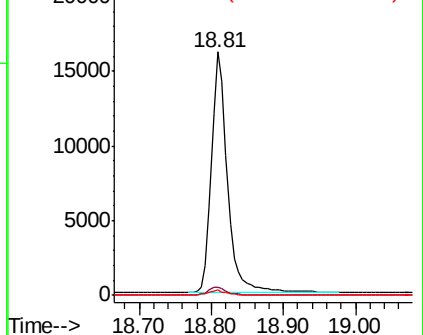
104 1.8 1.6 2.4



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: 0.414 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

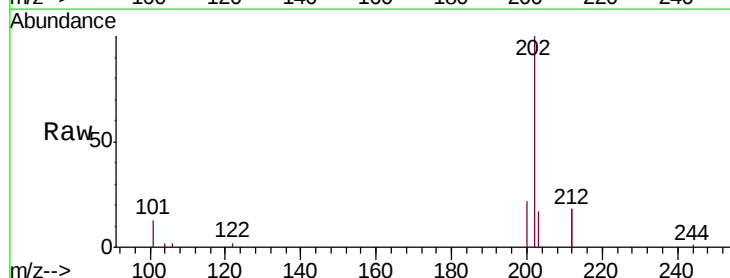
Tgt Ion:202 Resp: 6890

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

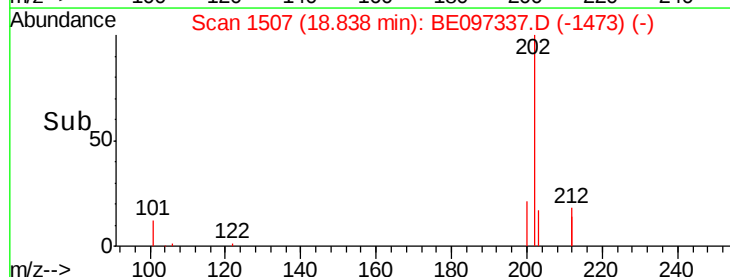
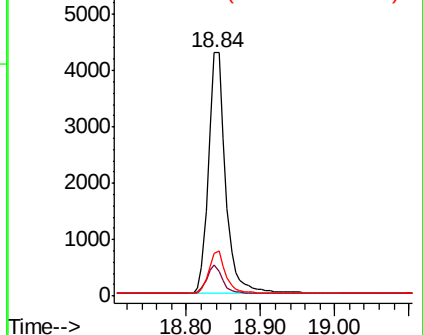
203 16.9 13.7 20.5

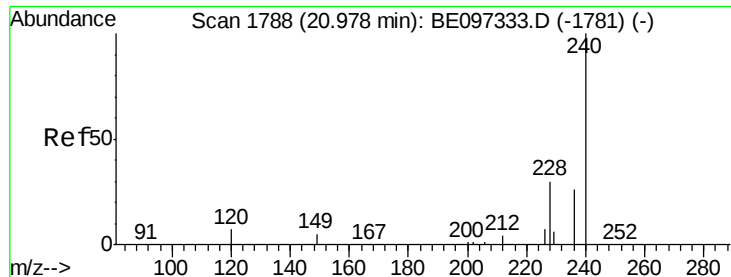


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

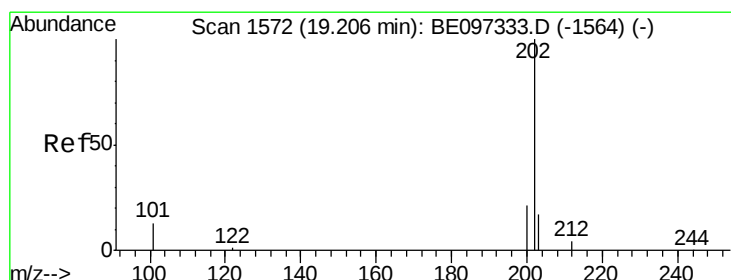
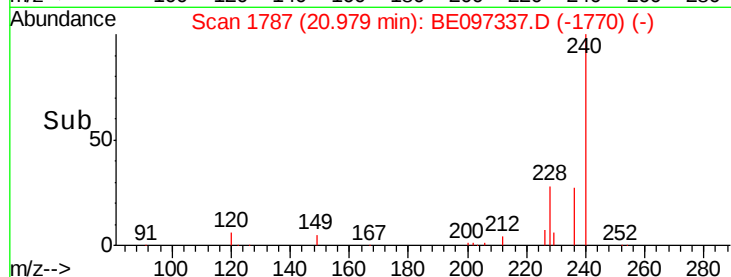
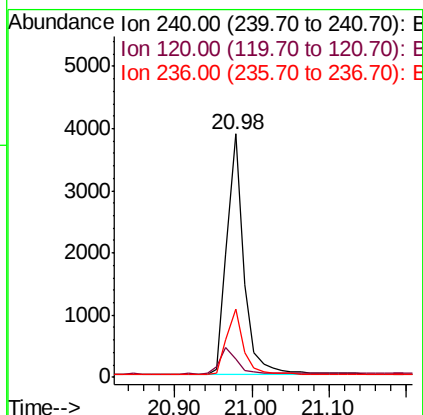
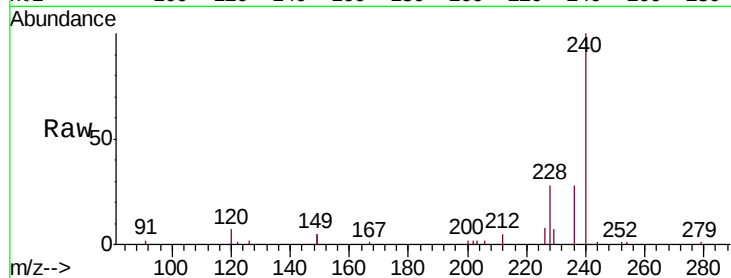




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

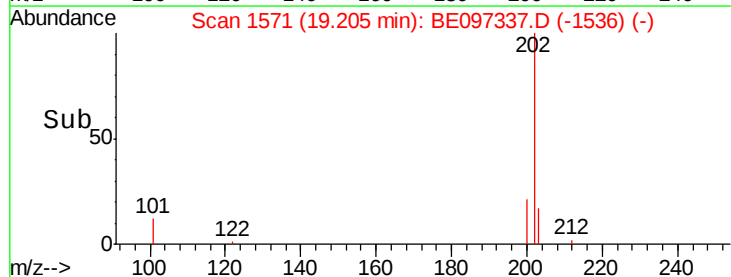
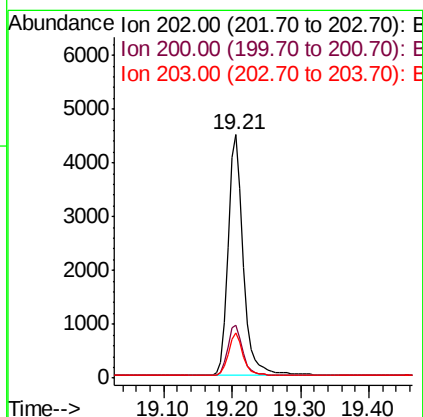
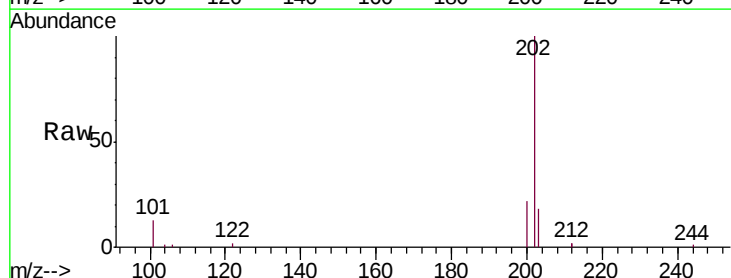
Instrument :
BNA_E
ClientSampleId :
ICVBE082018

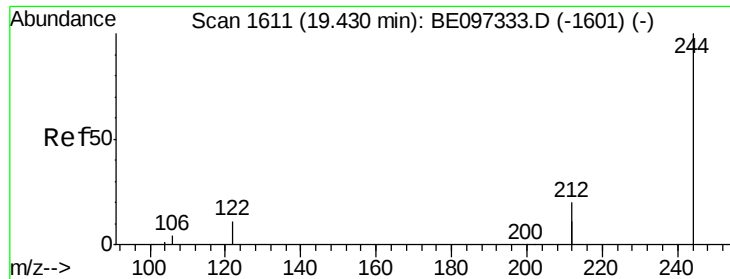
Tgt Ion:240 Resp: 5986
Ion Ratio Lower Upper
240 100
120 7.3 5.5 8.3
236 28.0 20.7 31.1



#28
Pyrene
Concen: 0.438 ng
RT: 19.21 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BE097337.D
Acq: 20 Aug 2018 18:11

Tgt Ion:202 Resp: 7037
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 17.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

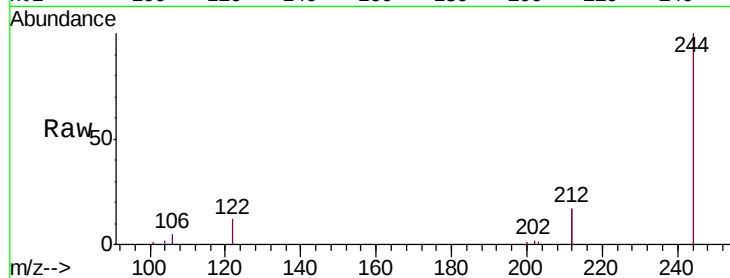
Tgt Ion:244 Resp: 5045

Ion Ratio Lower Upper

244 100

212 34.8 25.4 38.0

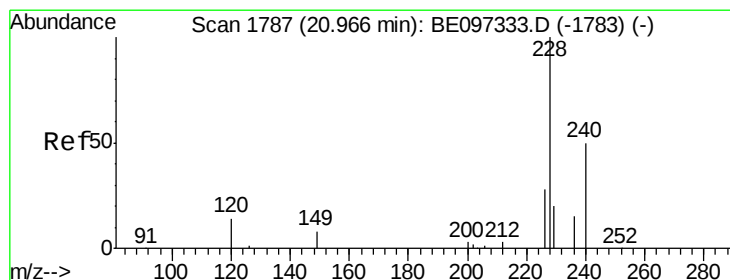
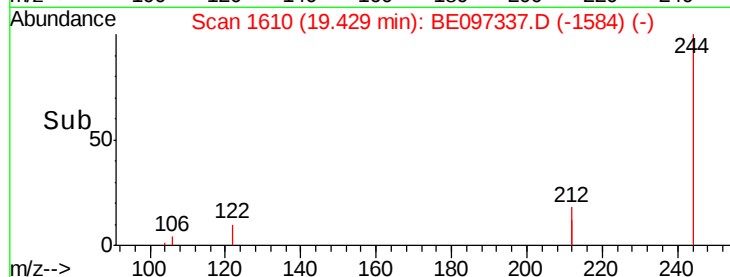
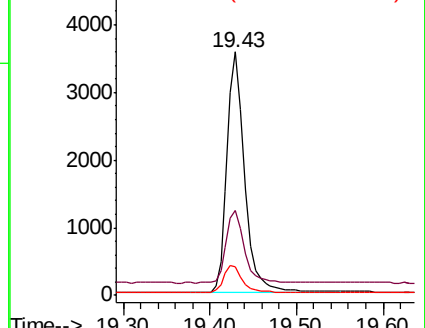
122 11.6 8.1 12.1



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: 0.416 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

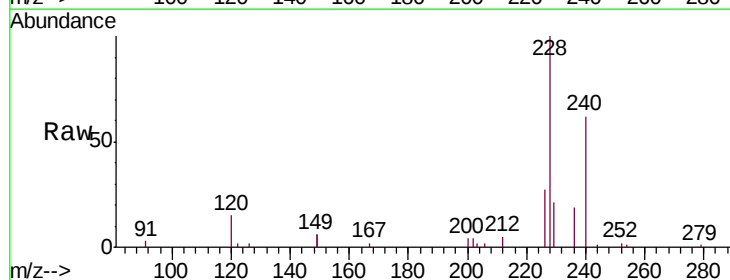
Tgt Ion:228 Resp: 5360

Ion Ratio Lower Upper

228 100

226 27.4 24.0 36.0

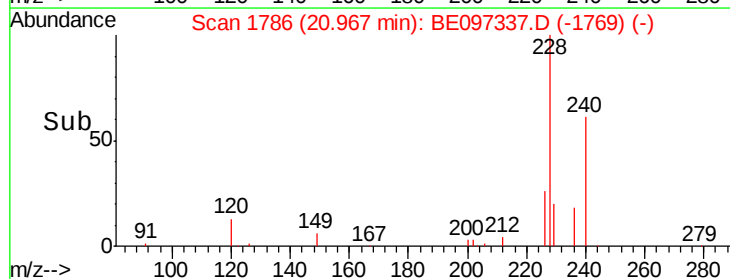
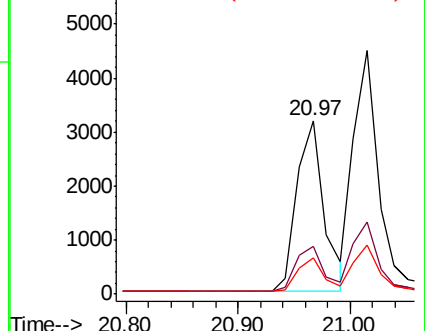
229 20.9 16.0 24.0

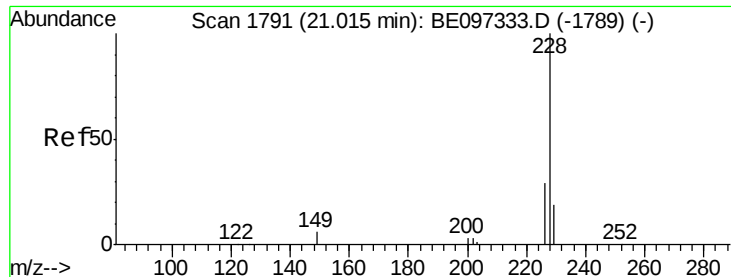


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.405 ng

RT: 21.01 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

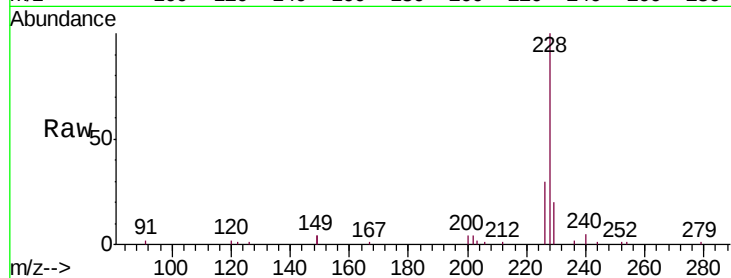
Tgt Ion:228 Resp: 6838

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

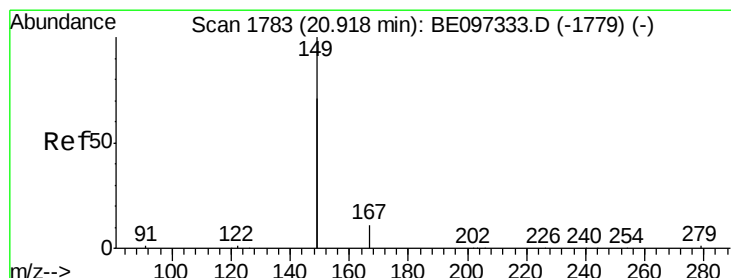
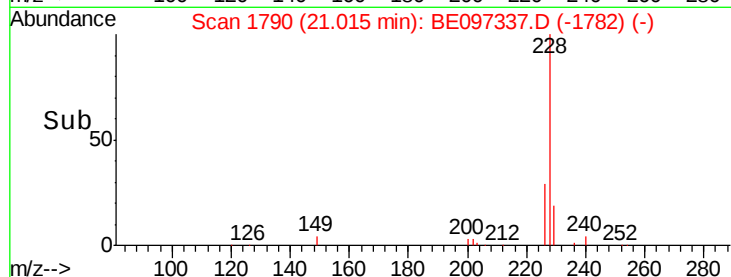
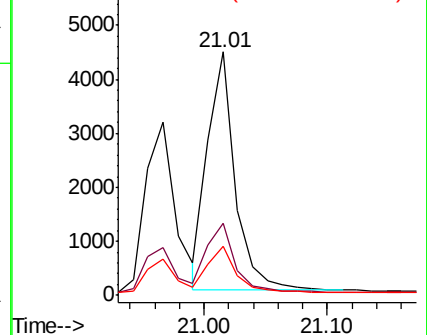
229 20.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.450 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

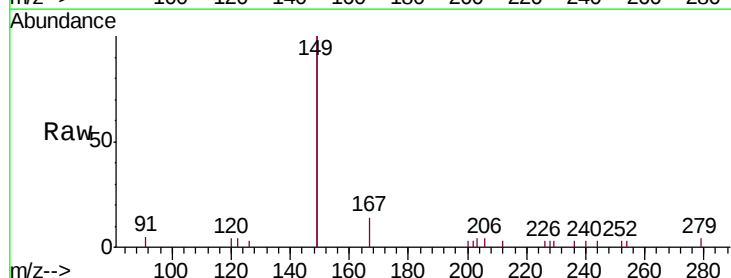
Tgt Ion:149 Resp: 3266

Ion Ratio Lower Upper

149 100

167 5.8 5.4 8.0

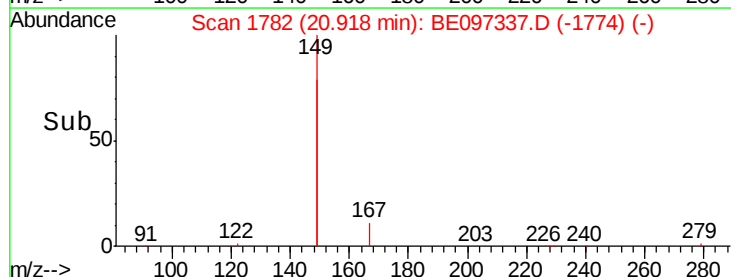
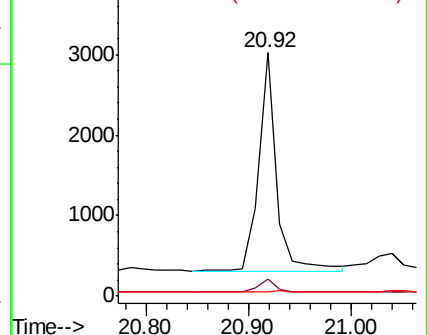
279 0.9 0.7 1.1

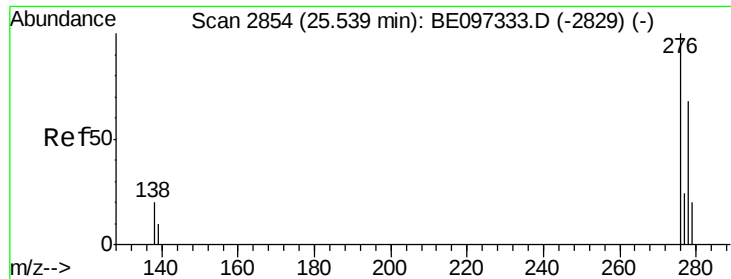


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.403 ng

RT: 25.55 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

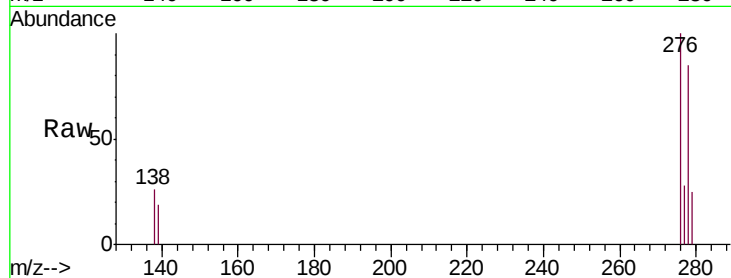
Tgt Ion:276 Resp: 4323

Ion Ratio Lower Upper

276 100

138 18.3 22.5 33.7#

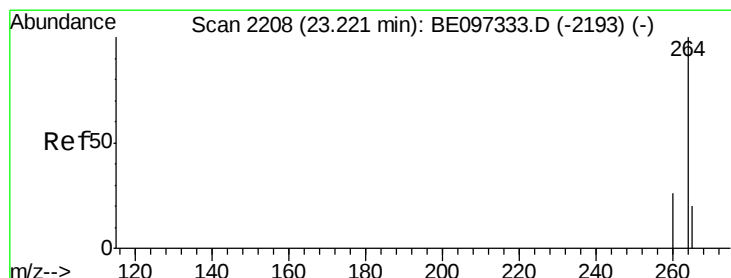
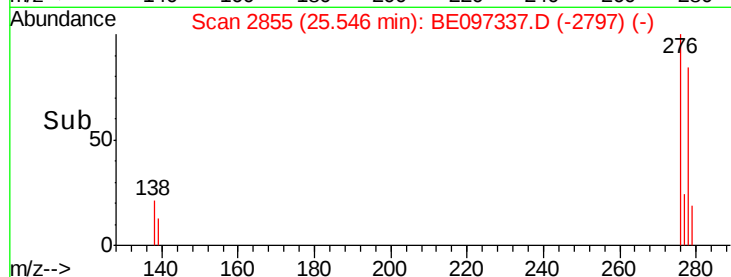
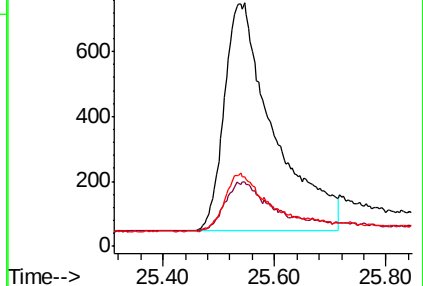
277 20.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

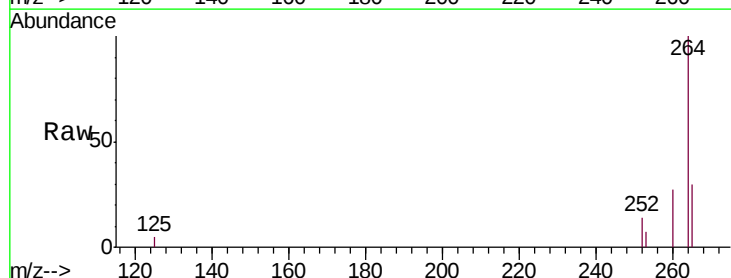
Tgt Ion:264 Resp: 4485

Ion Ratio Lower Upper

264 100

260 27.4 20.5 30.7

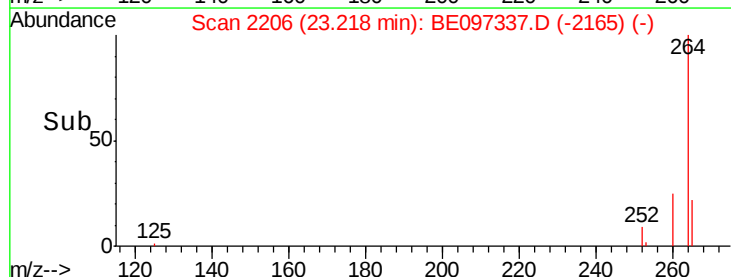
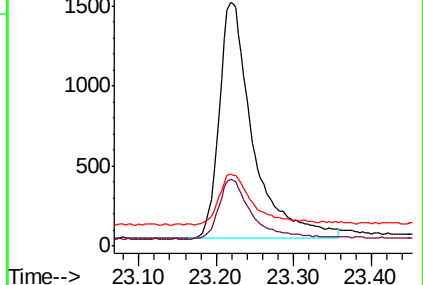
265 29.8 22.8 34.2

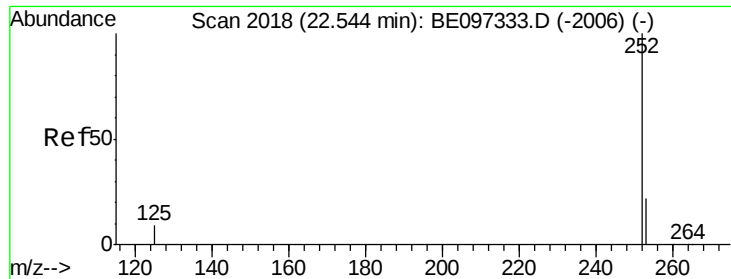


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.377 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

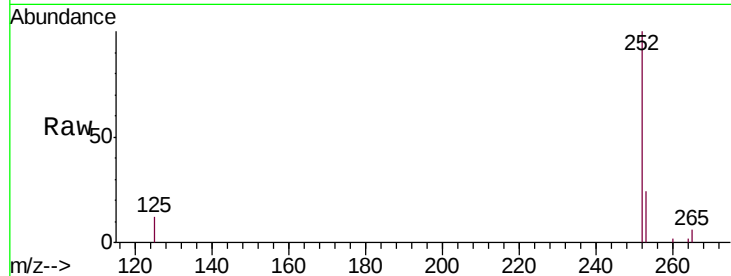
Tgt Ion:252 Resp: 4453

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

125 11.8 16.0 24.0#

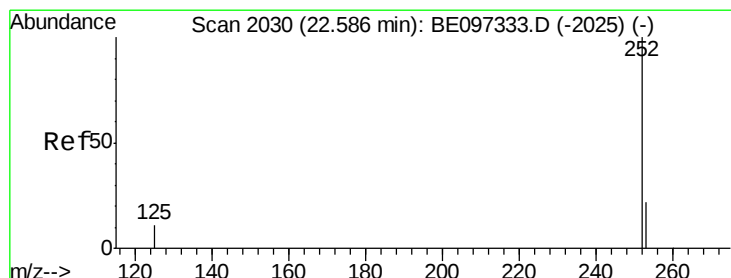
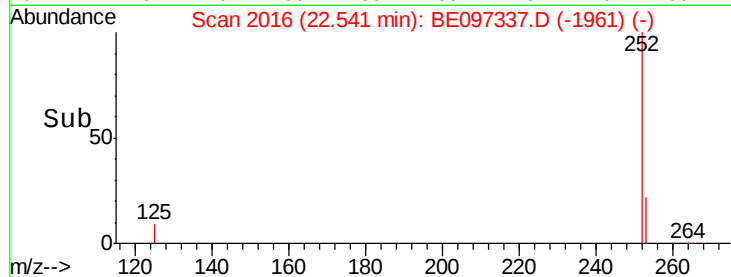
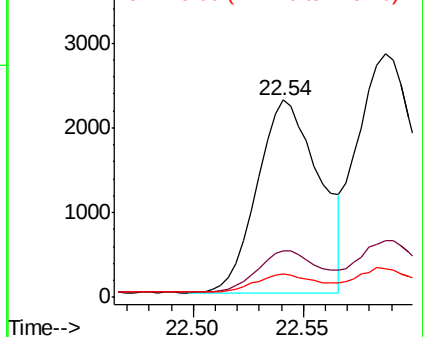


Abundance

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: 0.388 ng

RT: 22.59 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

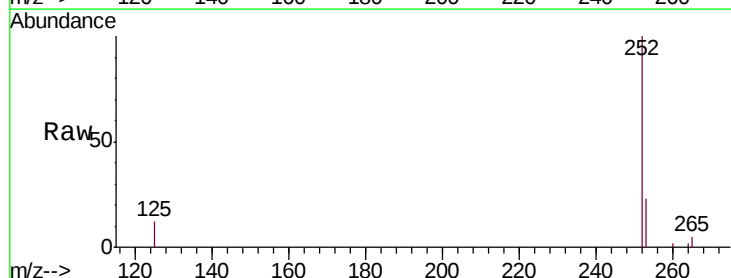
Tgt Ion:252 Resp: 6433

Ion Ratio Lower Upper

252 100

253 23.4 16.0 24.0

125 11.6 8.0 12.0

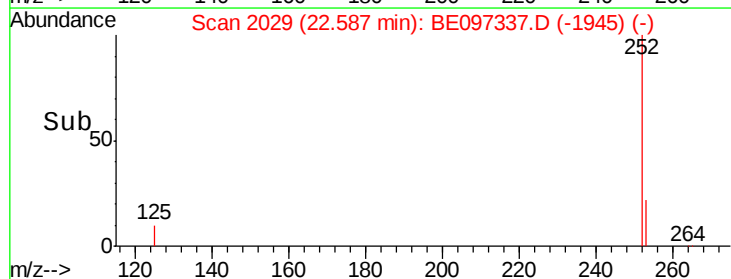
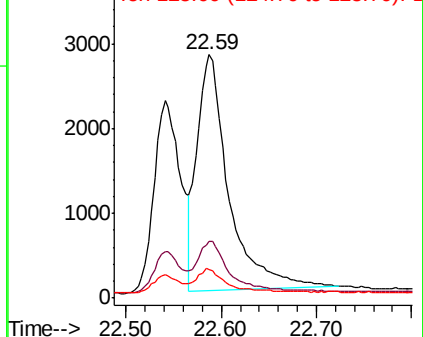


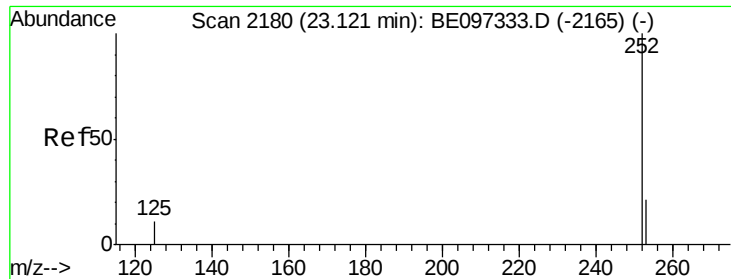
Abundance

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: 0.426 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018

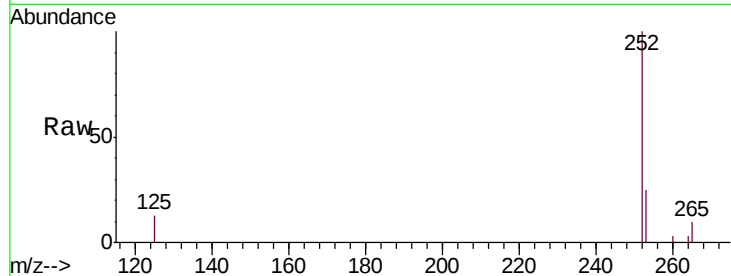
Tgt Ion: 252 Resp: 4588

Ion Ratio Lower Upper

252 100

253 24.7 16.0 24.0#

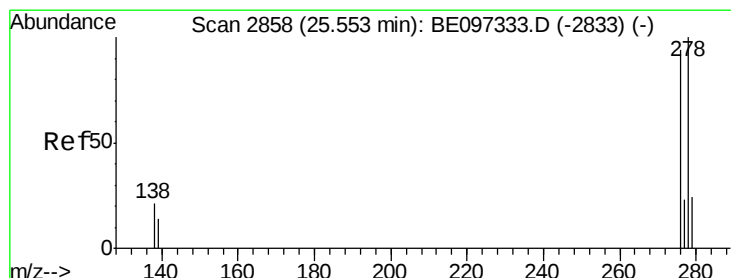
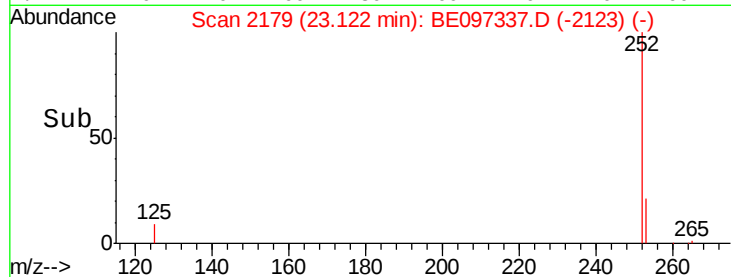
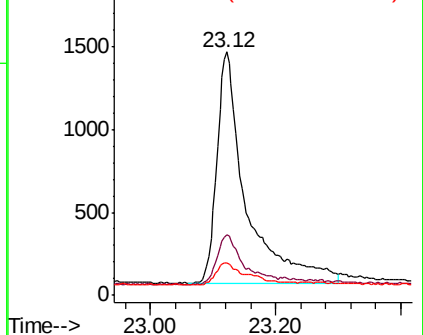
125 13.4 12.0 18.0



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: 0.356 ng

RT: 25.56 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE097337.D

Acq: 20 Aug 2018 18:11

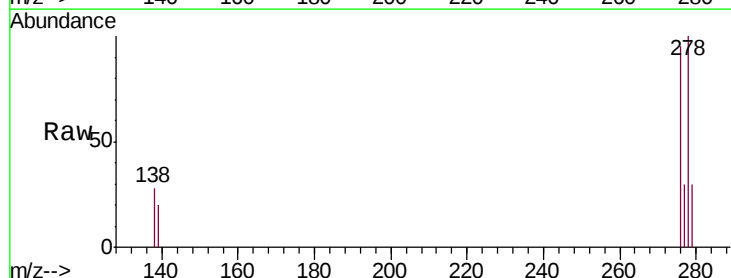
Tgt Ion: 278 Resp: 3275

Ion Ratio Lower Upper

278 100

139 20.4 16.0 24.0

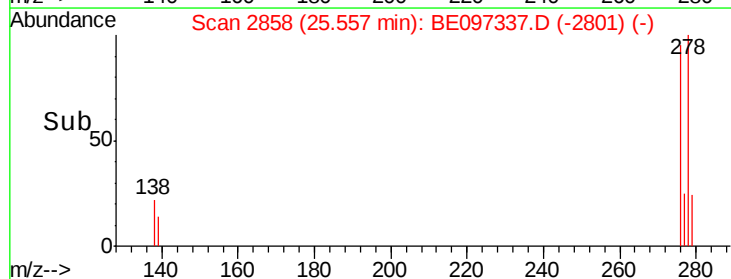
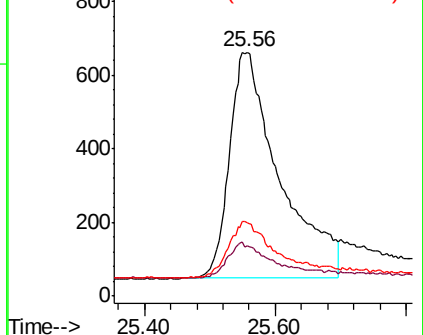
279 30.3 20.0 30.0#

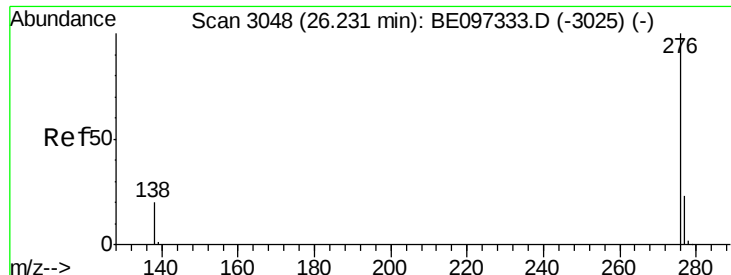


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.381 ng

RT: 26.22 min Scan# 3045

Delta R.T. -0.01 min

Lab File: BE097337.D

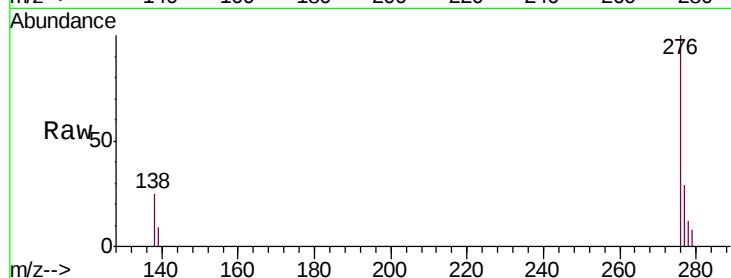
Acq: 20 Aug 2018 18:11

Instrument :

BNA_E

ClientSampleId :

ICVBE082018



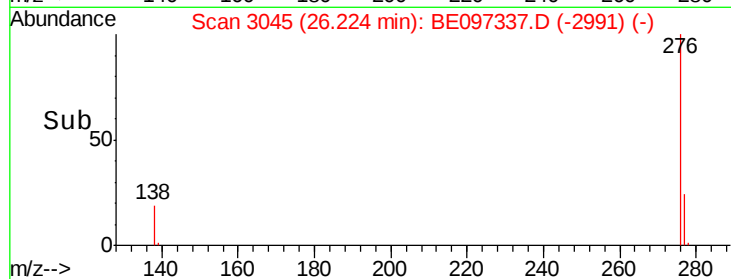
Tgt Ion: 276 Resp: 3537

Ion Ratio Lower Upper

276 100

277 29.4 16.0 24.0#

138 25.1 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

