

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097076.D
 Acq On : 24 Jul 2018 17:48
 Operator : SJ/JU
 Sample : J4073-18MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D3-071818MS

Quant Time: Jul 25 00:37:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1233	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5711	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3369	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	9889	0.40	ng	0.00
27) Chrysene-d12	20.97	240	11594	0.40	ng	-0.01
34) Perylene-d12	23.21	264	11036	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	473	0.14	ng	0.00
5) Phenol-d6	6.60	99	406	0.08	ng	0.00
8) Nitrobenzene-d5	8.52	82	1962	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3570	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	406	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5301	0.46	ng	0.00
25) Fluoranthene-d10	18.81	212	47940	0.48	ng	0.00
29) Terphenyl-d14	19.42	244	9906	0.44	ng	0.00

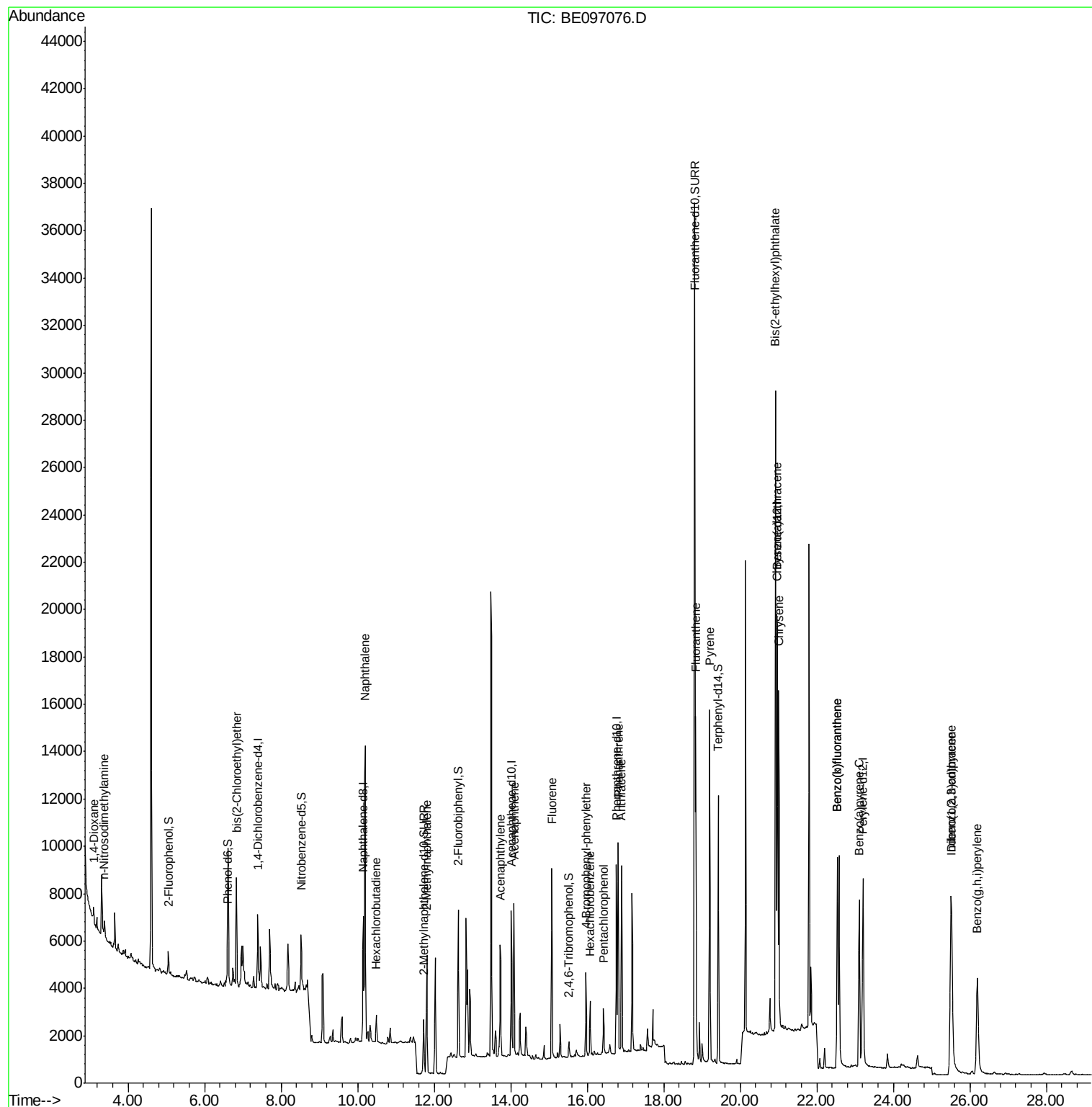
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	354	0.181	ng	# 64
3) n-Nitrosodimethylamine	3.37	42	432	0.197	ng	# 73
6) bis(2-Chloroethyl)ether	6.84	93	1629	0.351	ng	96
9) Naphthalene	10.20	128	21439	0.418	ng	100
10) Hexachlorobutadiene	10.48	225	808	0.352	ng	98
12) 2-Methylnaphthalene	11.81	142	3573	0.406	ng	100
16) Acenaphthylene	13.73	152	5698	0.377	ng	99
17) Acenaphthene	14.08	154	3409	0.388	ng	94
18) Fluorene	15.07	166	4810	0.414	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1686	0.351	ng	87
21) Hexachlorobenzene	16.08	284	1661	0.322	ng	# 82
22) Pentachlorophenol	16.43	266	1024	0.758	ng	# 70
23) Phenanthrene	16.81	178	9757	0.414	ng	98
24) Anthracene	16.89	178	9143	0.434	ng	95
26) Fluoranthene	18.84	202	12776	0.483	ng	99
28) Pyrene	19.20	202	13325	0.419	ng	99
30) Benzo(a)anthracene	20.95	228	12621	0.438	ng	97
31) Chrysene	21.00	228	12453	0.403	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	31803	0.962	ng	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	12080	0.431	ng	# 94
35) Benzo(b)fluoranthene	22.53	252	11398	0.407	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	11398	0.349	ng	95
37) Benzo(a)pyrene	23.11	252	11136	0.423	ng	93
38) Dibenzo(a,h)anthracene	25.52	278	10258	0.390	ng	96
39) Benzo(g,h,i)perylene	26.19	276	10486	0.376	ng	# 91

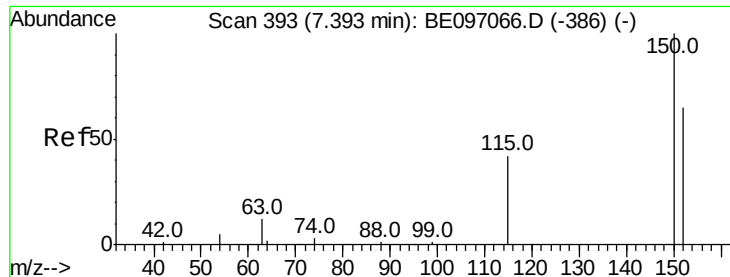
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

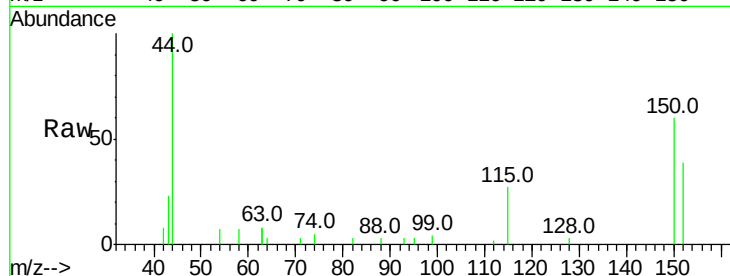
Tot Ion:152 Resp: 1233

Ion Ratio Lower Upper

152 100

150 154.0 117.2 175.8

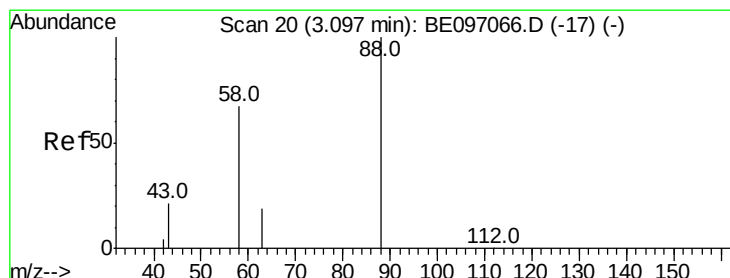
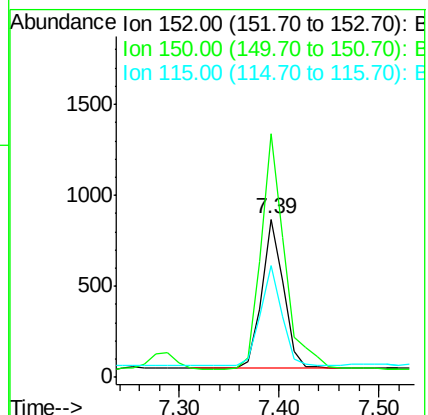
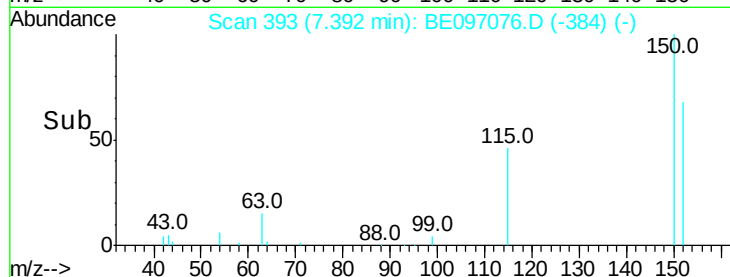
115 70.8 57.0 85.6



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: 0.181 ng

RT: 3.10 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

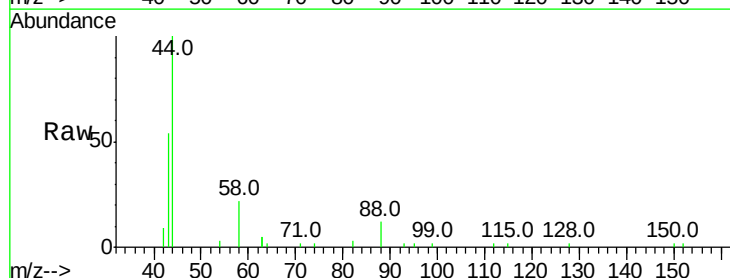
Tgt Ion: 88 Resp: 354

Ion Ratio Lower Upper

88 100

58 89.5 63.2 94.8

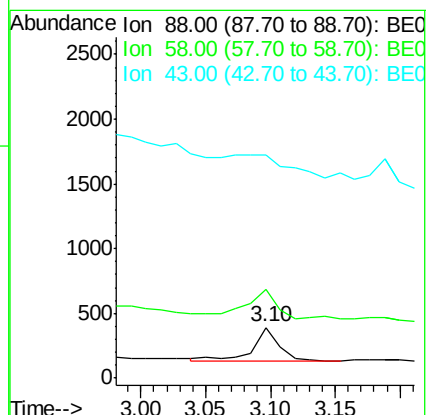
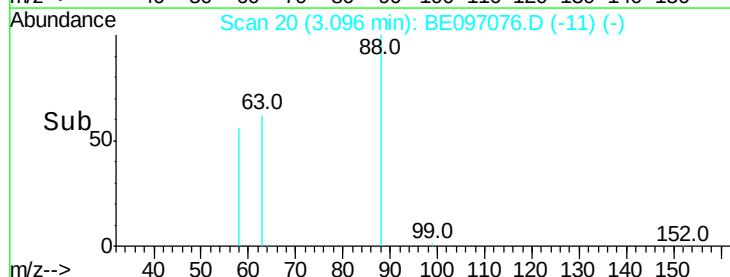
43 0.0 41.2 61.8#

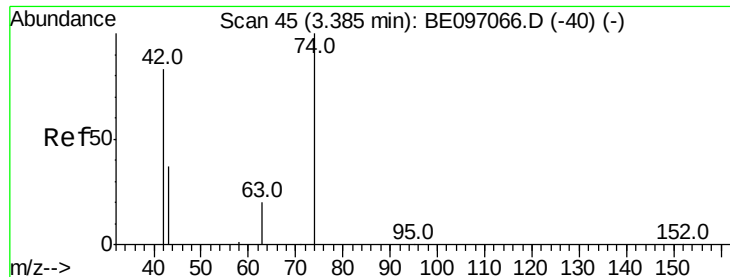


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.197 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

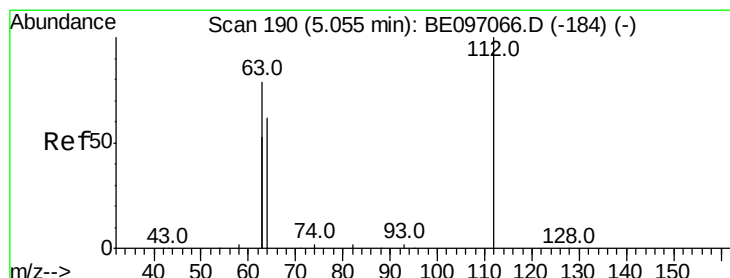
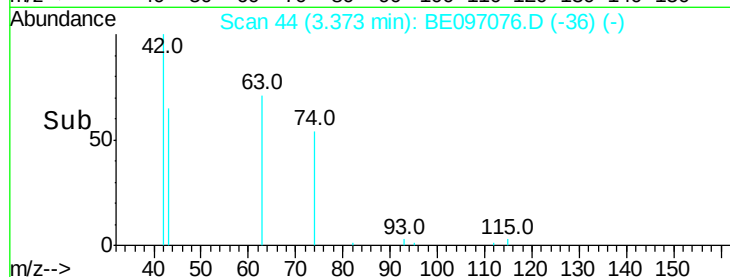
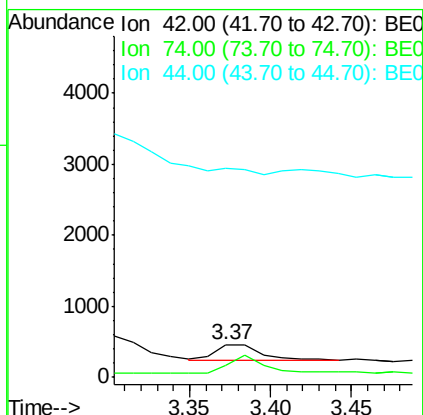
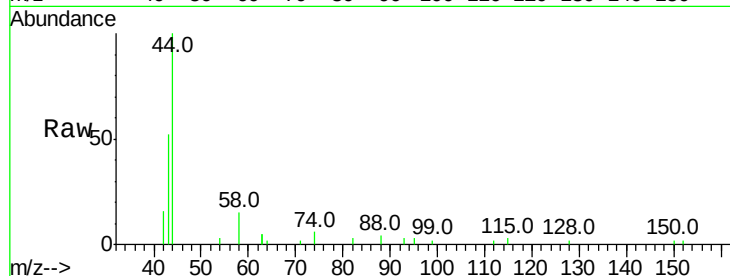
Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

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Tot Ion: 42 Resp: 432

Ion	Ratio	Lower	Upper
42	100		
74	90.7	96.0	144.0#
44	0.0	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.136 ng

RT: 5.05 min Scan# 190

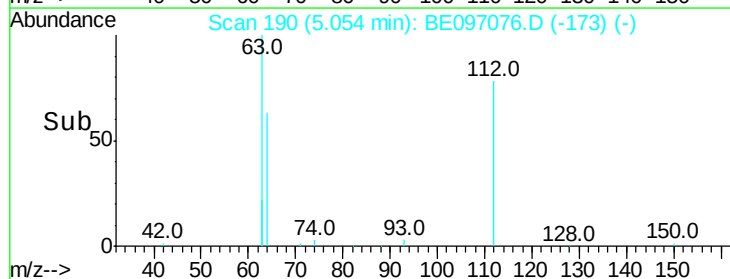
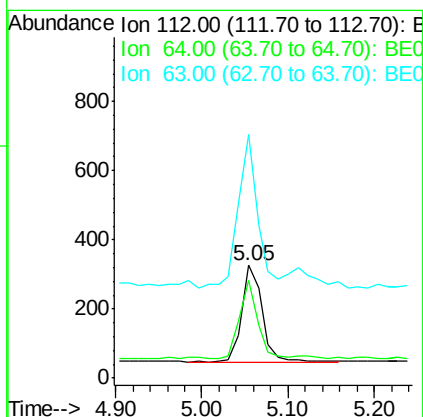
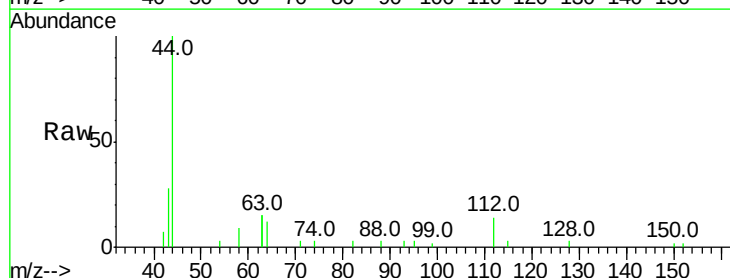
Delta R.T. -0.00 min

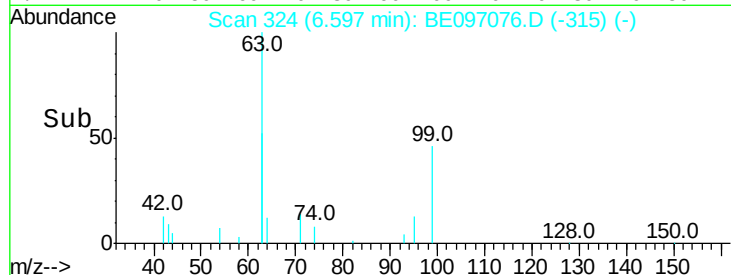
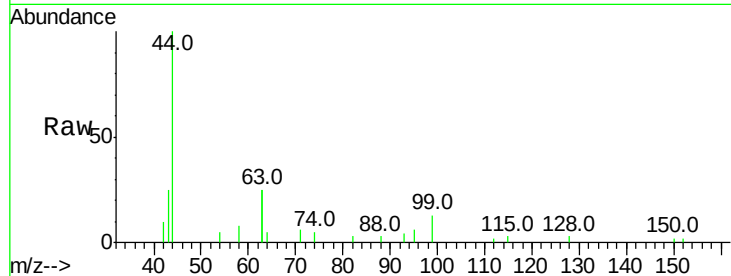
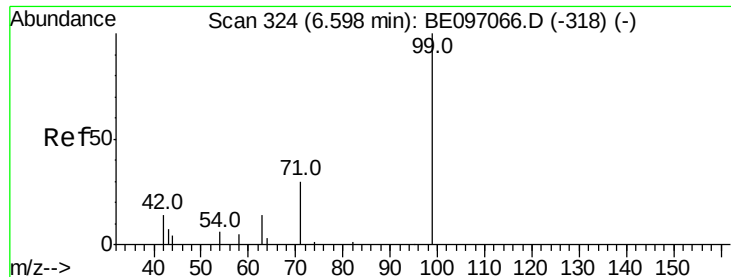
Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Tgt Ion: 112 Resp: 473

Ion	Ratio	Lower	Upper
112	100		
64	69.8	60.1	90.1
63	146.3	116.8	175.2





#5

Phenol-d6

Concen: 0.080 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

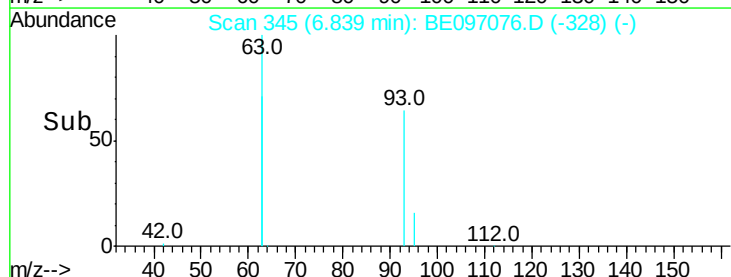
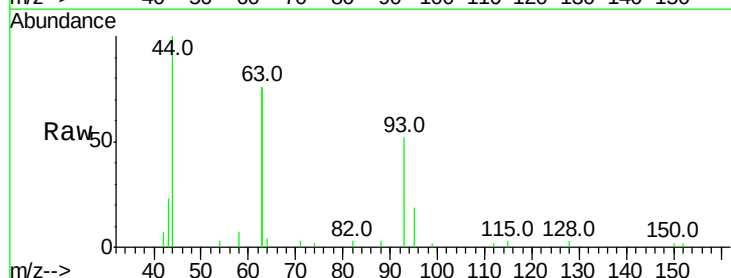
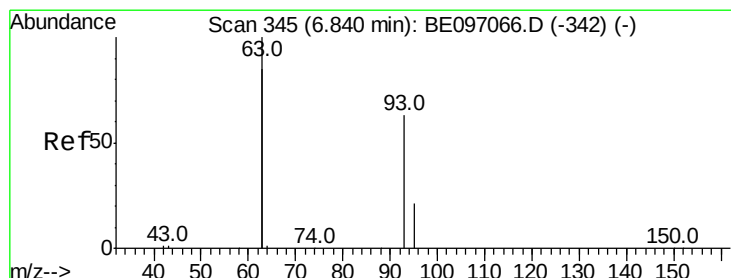
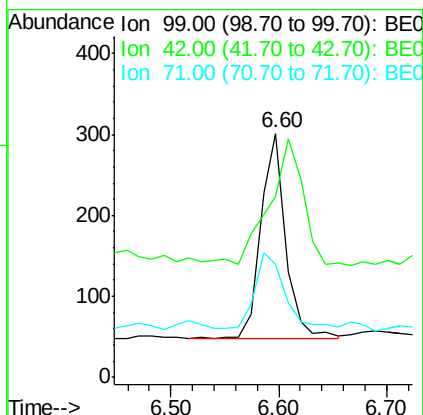
Tot Ion: 99 Resp: 406

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 44.1 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.351 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

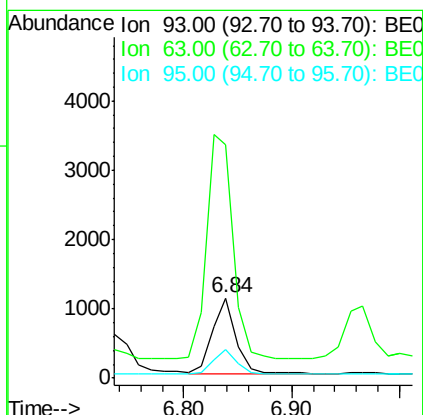
Tgt Ion: 93 Resp: 1629

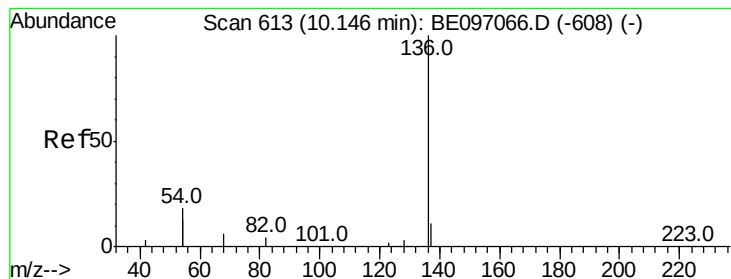
Ion Ratio Lower Upper

93 100

63 334.5 275.3 412.9

95 32.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

Tot Ion:136 Resp: 5711

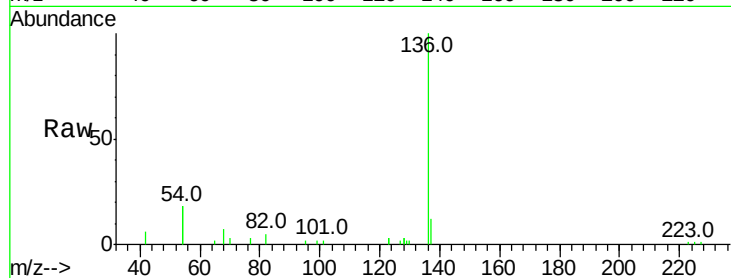
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 35.5 29.1 43.7

68 7.2 6.2 9.2

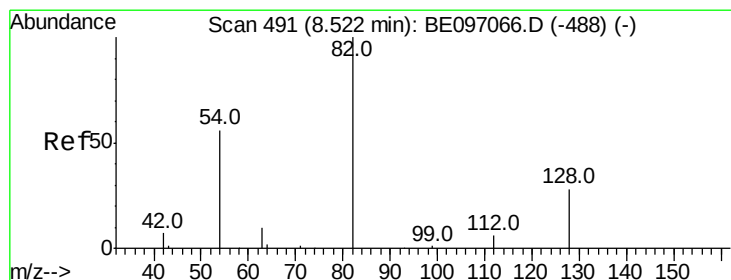
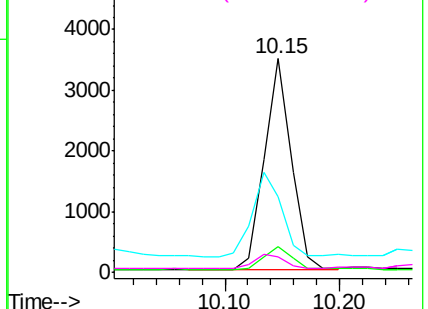
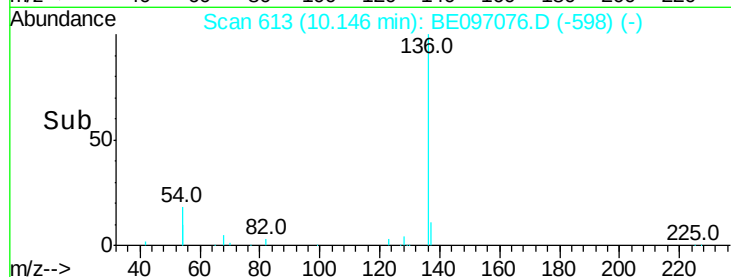


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.395 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

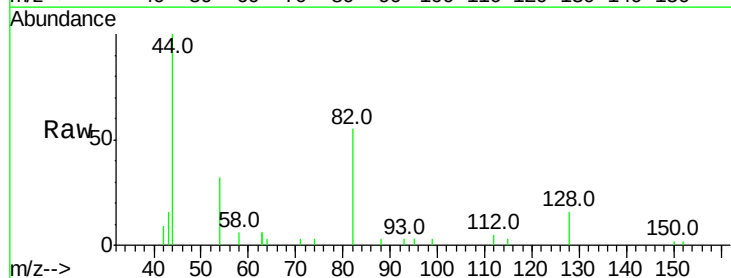
Tgt Ion: 82 Resp: 1962

Ion Ratio Lower Upper

82 100

128 30.1 24.0 36.0

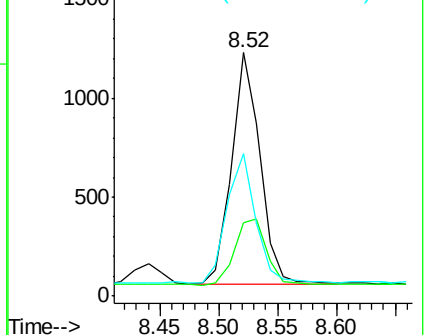
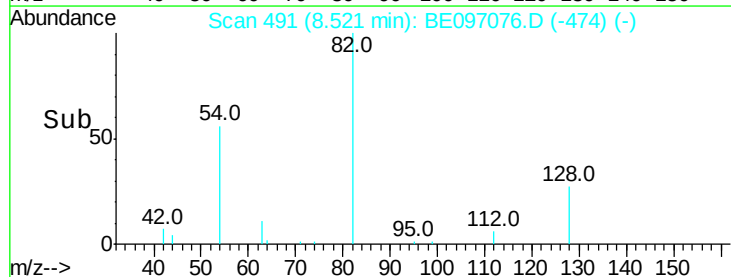
54 58.5 40.0 60.0

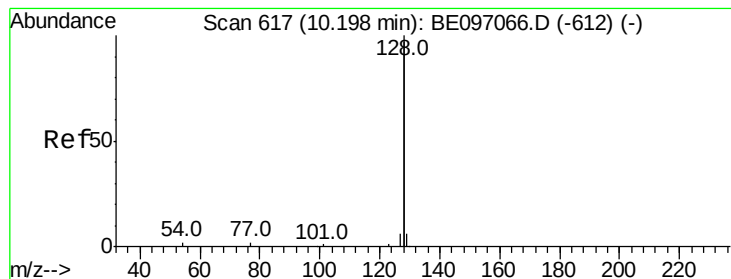


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.418 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097076.D

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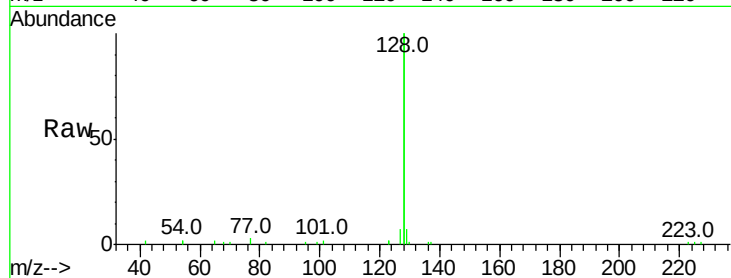
Tot Ion:128 Resp: 21439

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

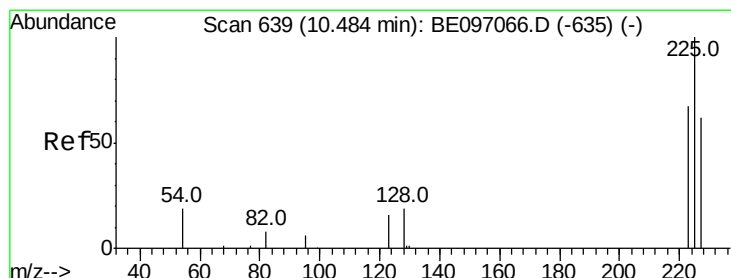
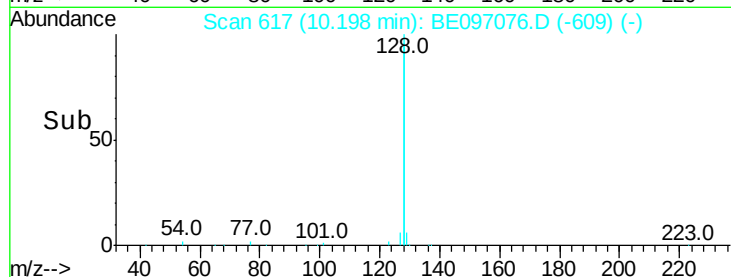
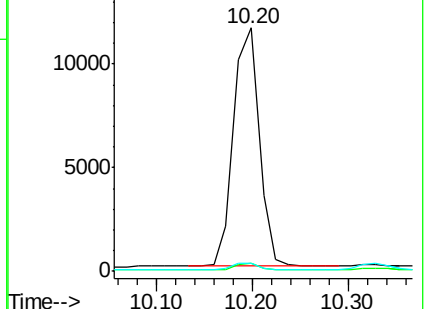
127 3.5 2.8 4.2



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: 0.352 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

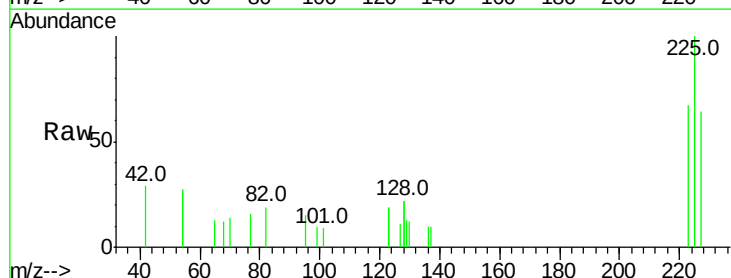
Tgt Ion:225 Resp: 808

Ion Ratio Lower Upper

225 100

223 64.1 53.0 79.6

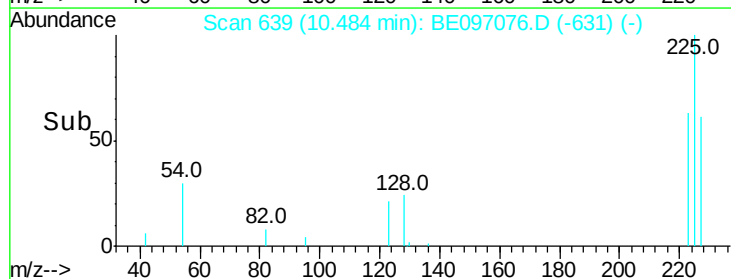
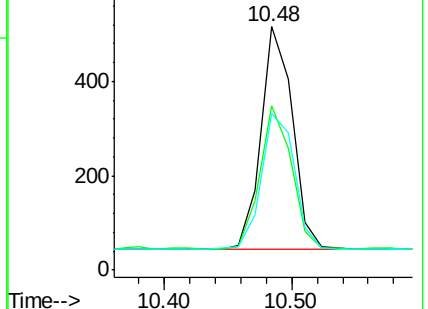
227 63.7 51.4 77.2

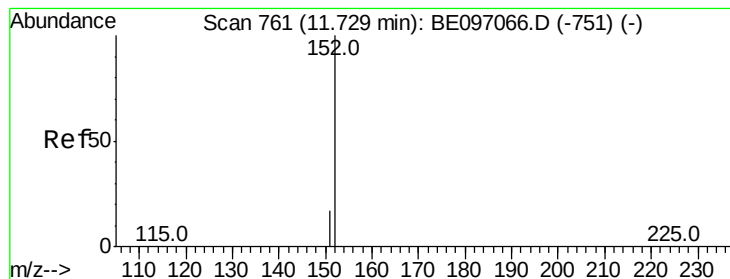


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.418 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097076.D

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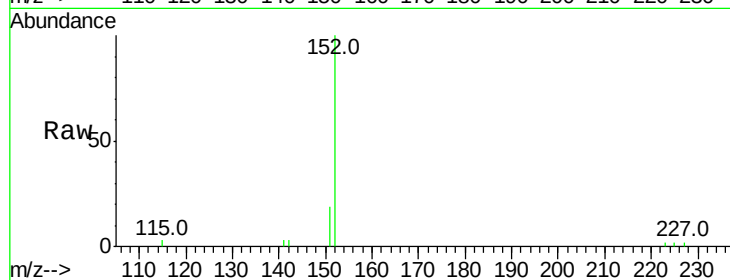
RE123D3-071818MS

Tot Ion:152 Resp: 3570

Ion Ratio Lower Upper

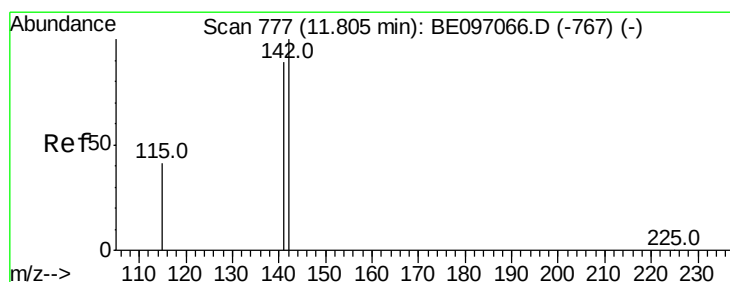
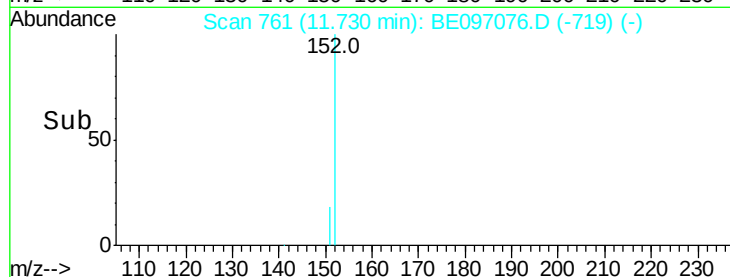
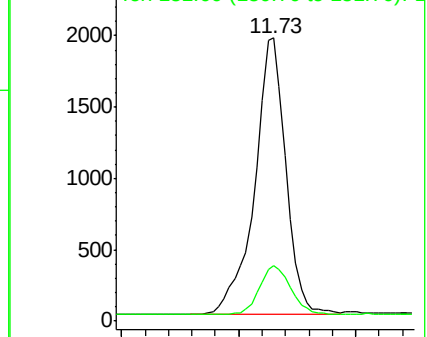
152 100

151 17.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.406 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

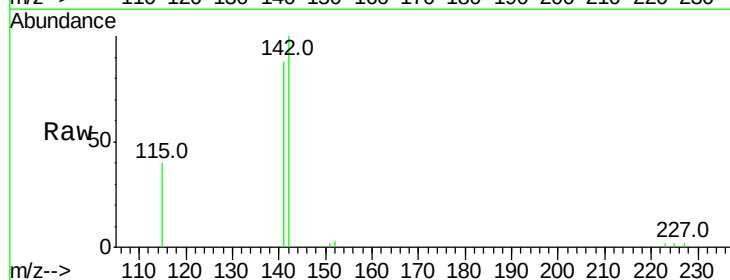
Tgt Ion:142 Resp: 3573

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

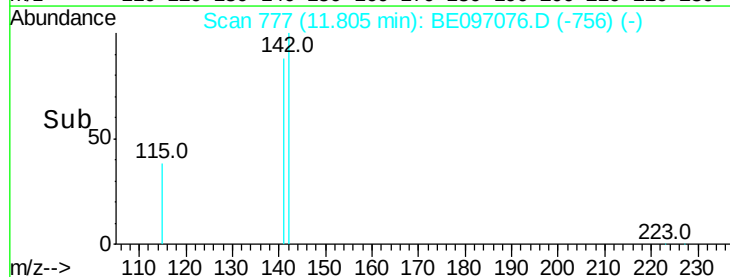
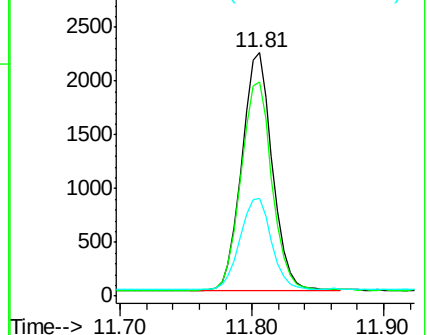
115 40.4 31.7 47.5

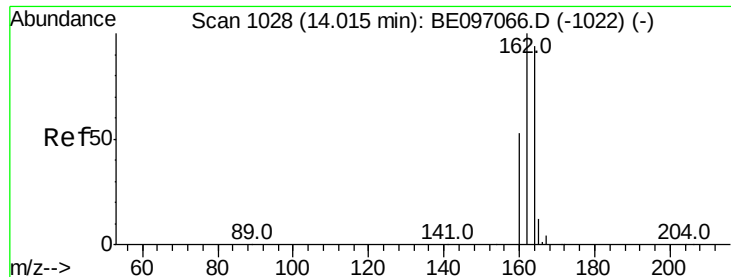


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

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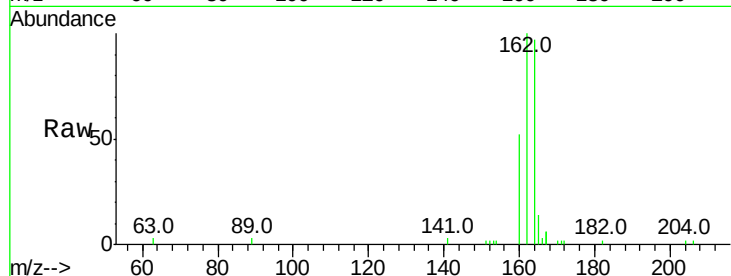
Tot Ion:164 Resp: 3369

Ion Ratio Lower Upper

164 100

162 103.1 83.1 124.7

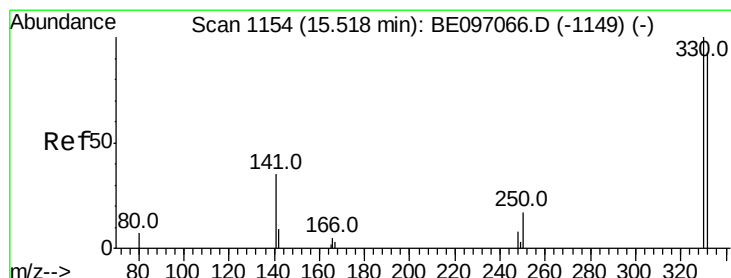
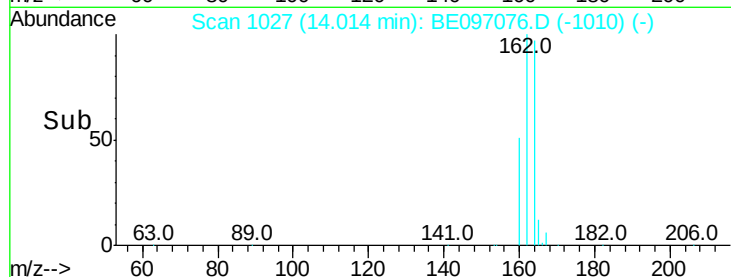
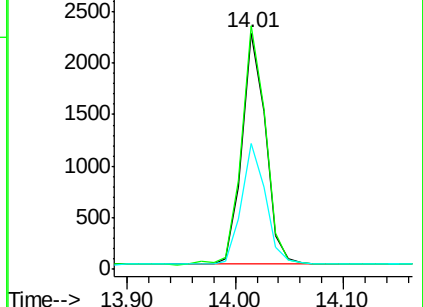
160 53.3 37.1 55.7



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: 0.366 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

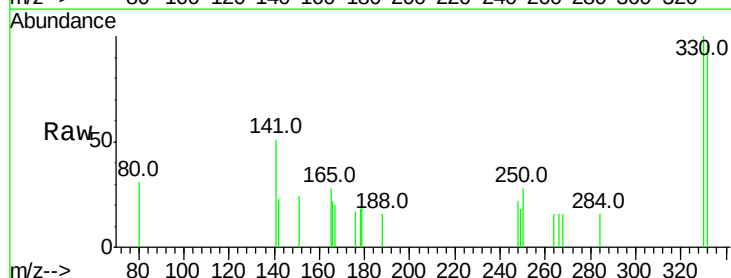
Tgt Ion:330 Resp: 406

Ion Ratio Lower Upper

330 100

332 93.3 152.7 229.1#

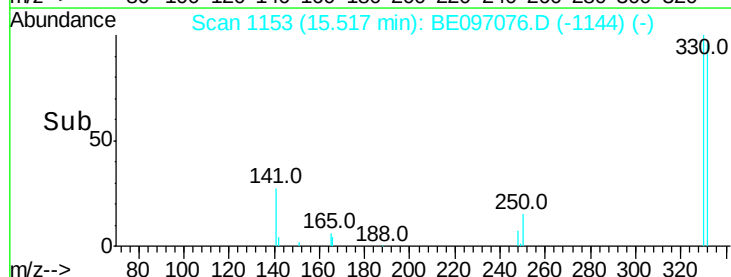
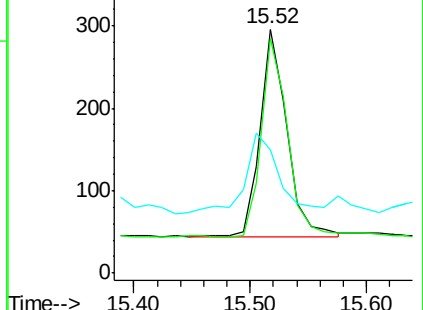
141 50.0 33.7 50.5

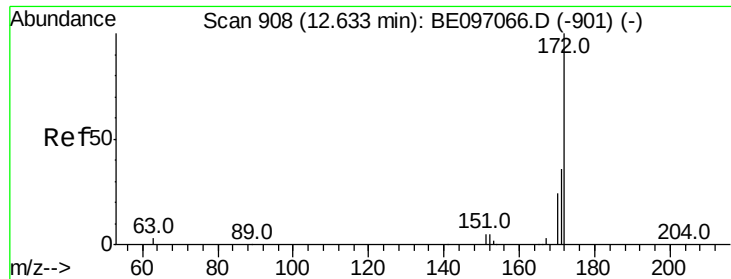


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

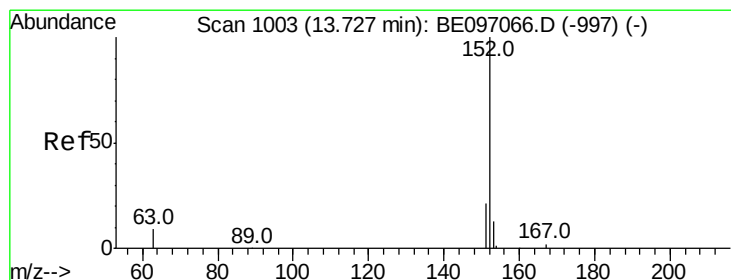
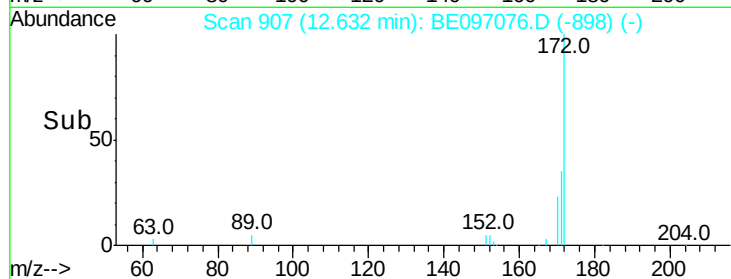
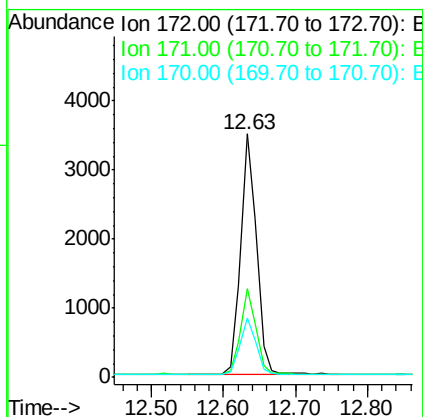
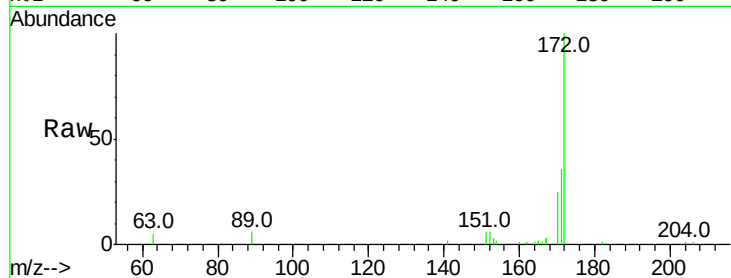




#15
2-Fluorobiphenyl
Concen: 0.456 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097076.D
Acq: 24 Jul 2018 17:48

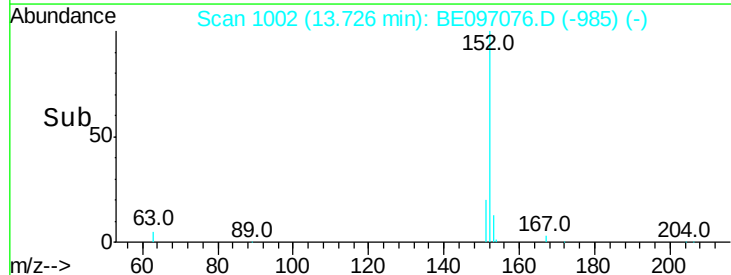
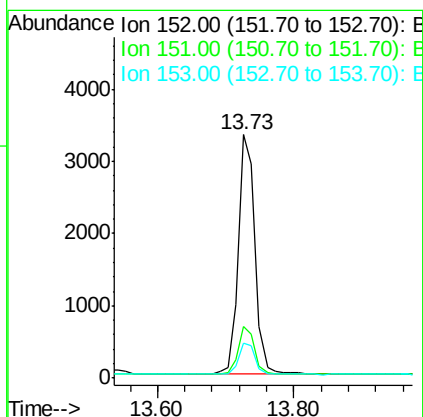
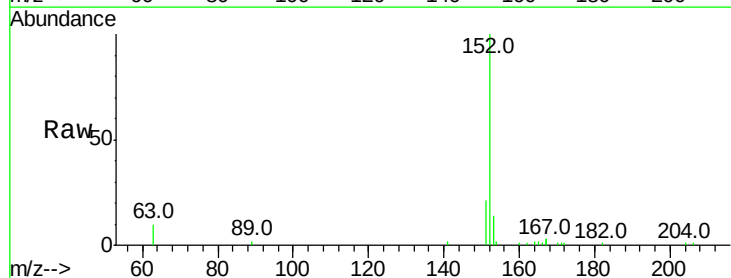
Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MS

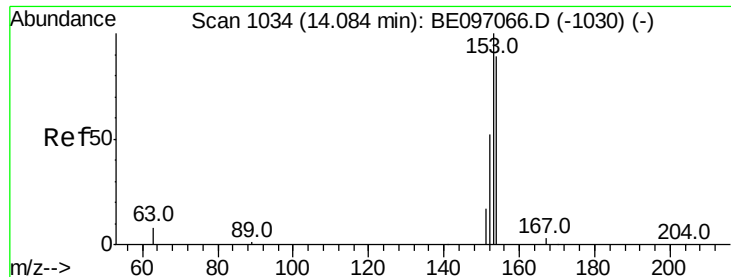
Tot Ion:172 Resp: 5301
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 24.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097076.D
Acq: 24 Jul 2018 17:48

Tgt Ion:152 Resp: 5698
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

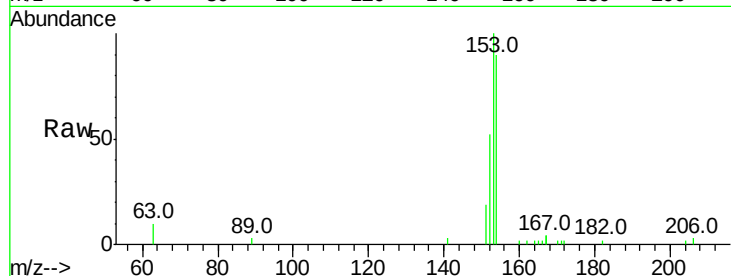
Tot Ion:154 Resp: 3409

Ion Ratio Lower Upper

154 100

153 115.6 89.2 133.8

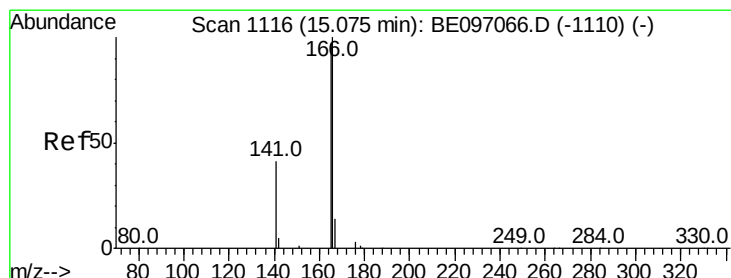
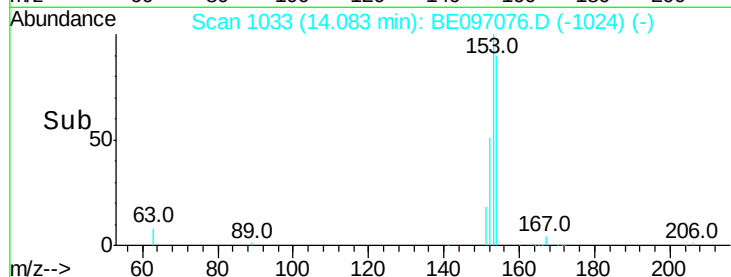
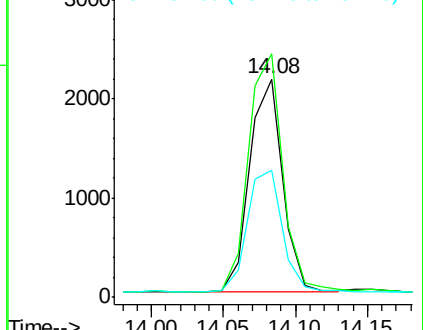
152 60.8 42.0 63.0



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: 0.414 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

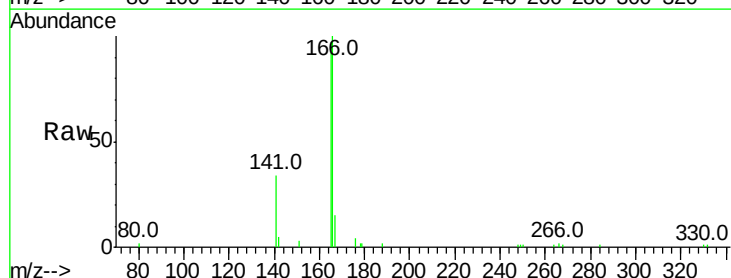
Tgt Ion:166 Resp: 4810

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

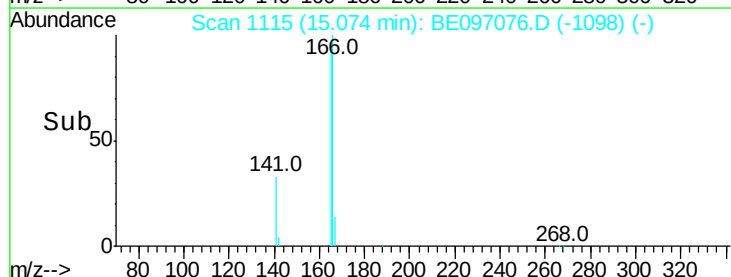
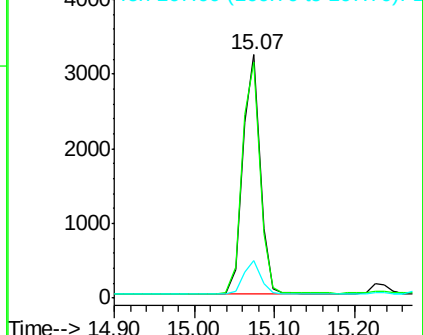
167 14.1 42.4 63.6#

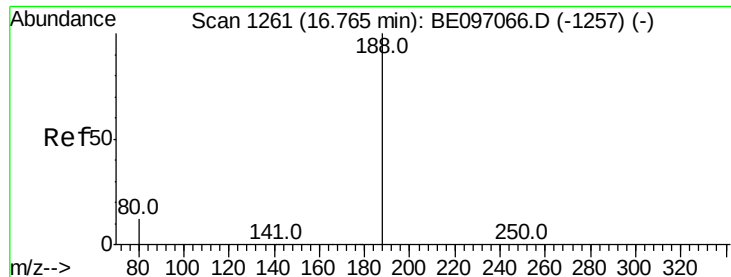


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

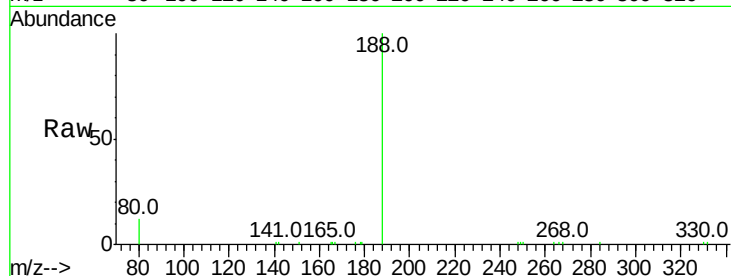
Tot Ion:188 Resp: 9889

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

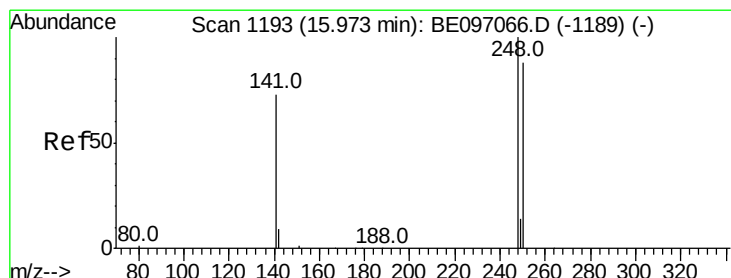
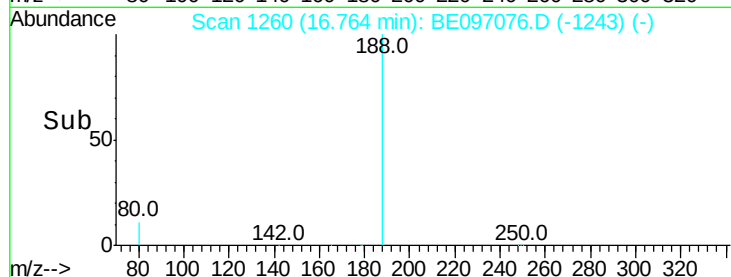
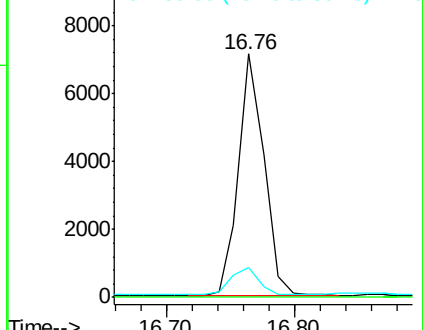
80 12.1 3.6 5.4#



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: 0.351 ng

RT: 15.97 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

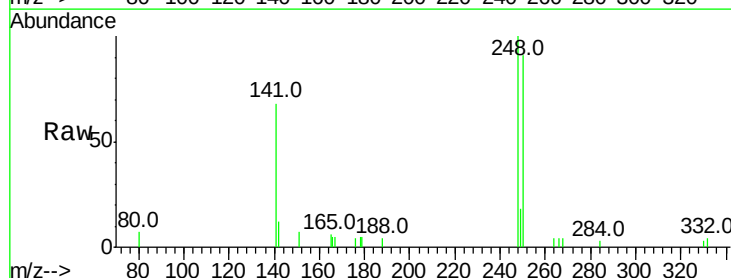
Tgt Ion:248 Resp: 1686

Ion Ratio Lower Upper

248 100

250 91.1 62.7 94.1

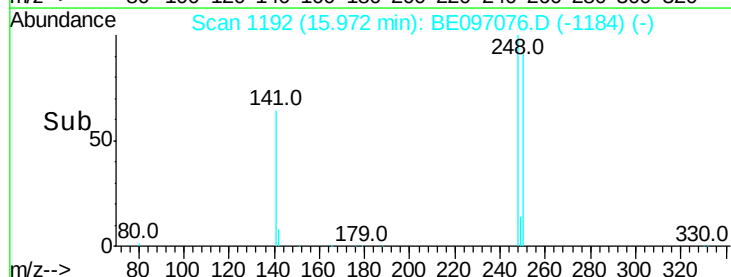
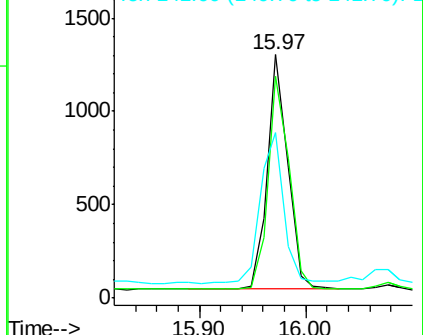
141 68.1 48.2 72.2

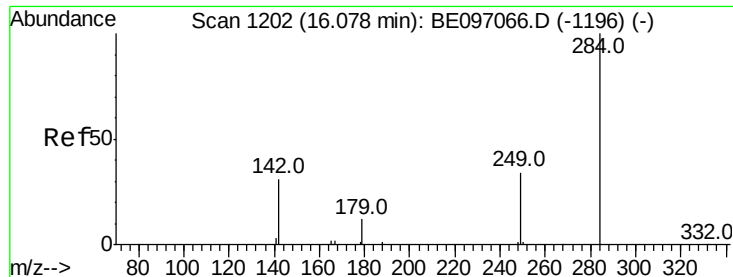


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.322 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

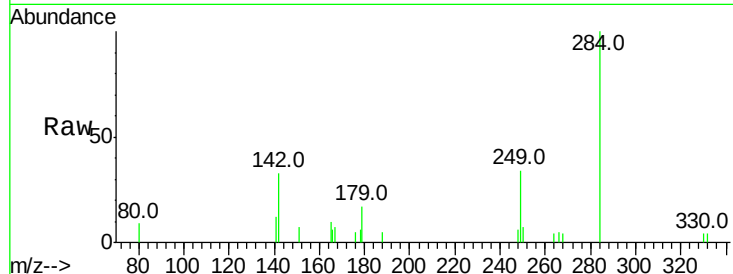
Tot Ion:284 Resp: 1661

Ion Ratio Lower Upper

284 100

142 35.0 22.1 33.1#

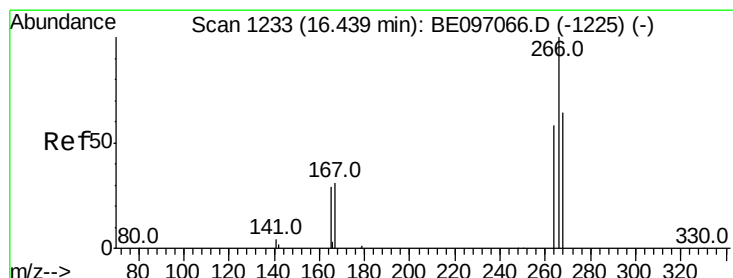
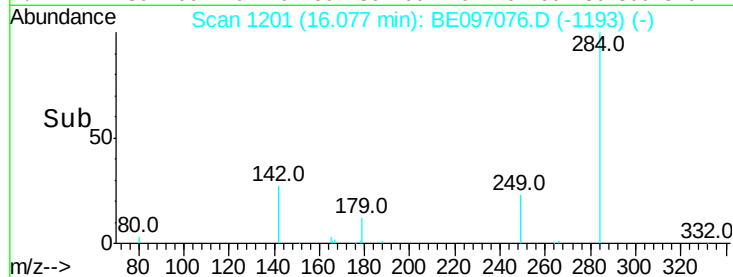
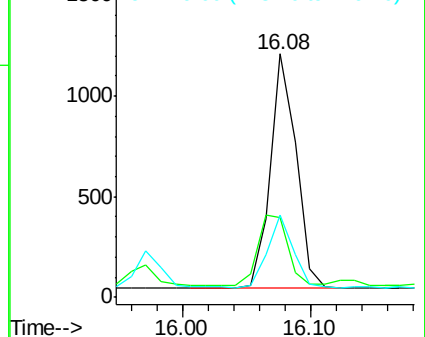
249 30.3 34.8 52.2#



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: 0.758 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

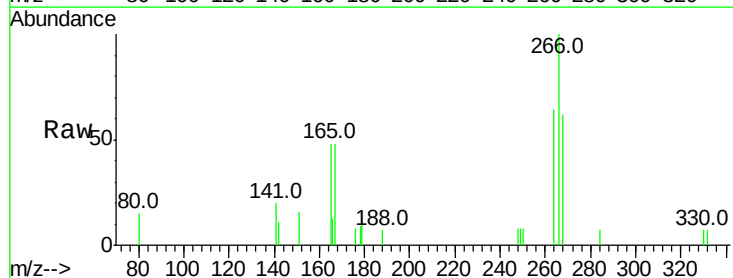
Tgt Ion:266 Resp: 1024

Ion Ratio Lower Upper

266 100

264 64.0 72.5 108.7#

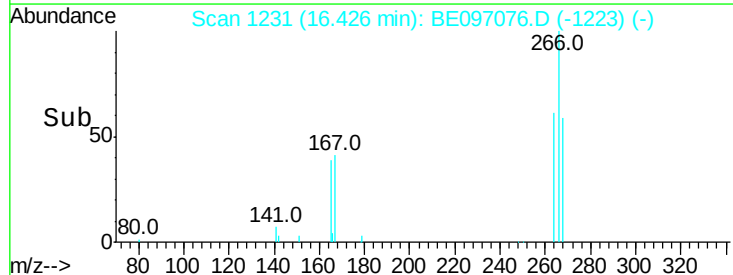
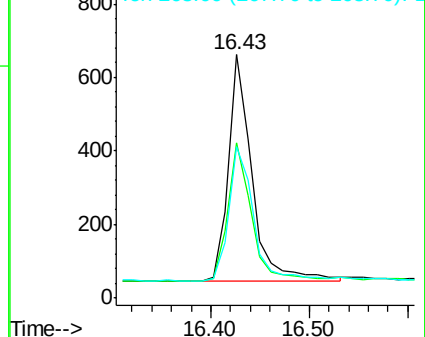
268 62.2 73.8 110.6#

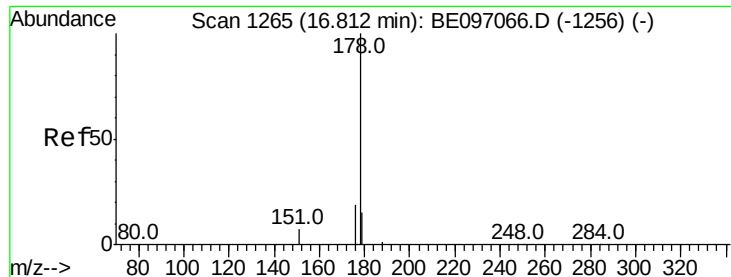


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.414 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

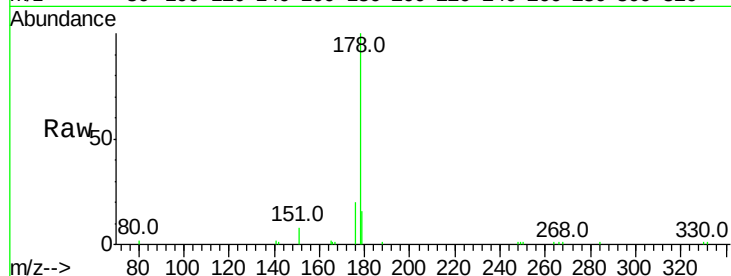
Tot Ion:178 Resp: 9757

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

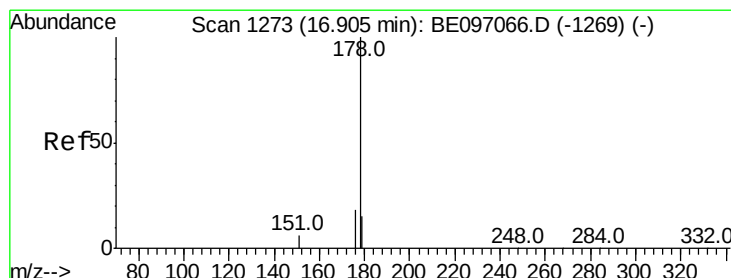
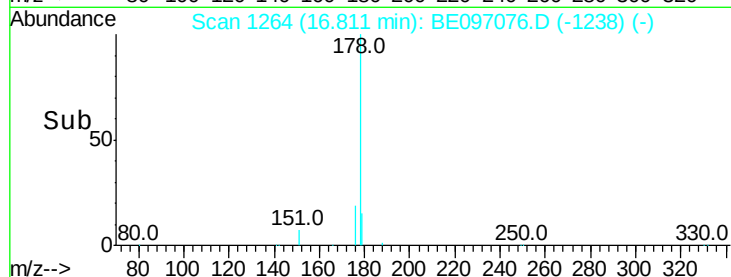
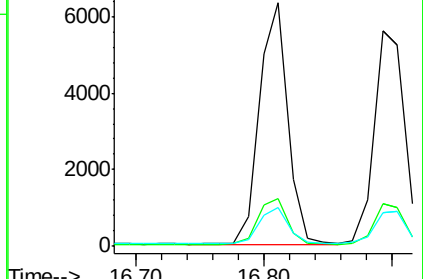
179 15.6 11.8 17.6



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: 0.434 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

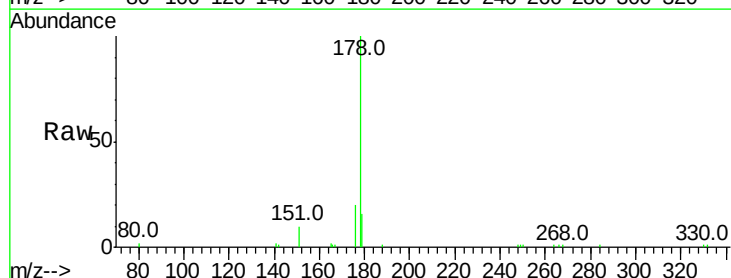
Tgt Ion:178 Resp: 9143

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2

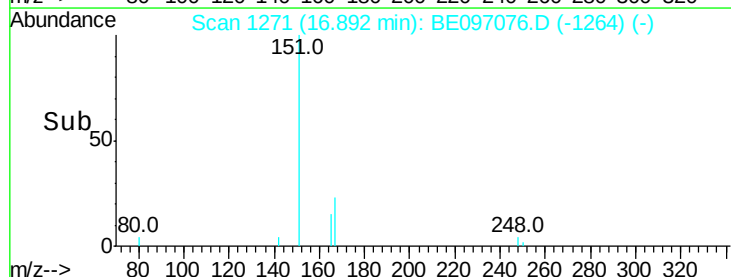
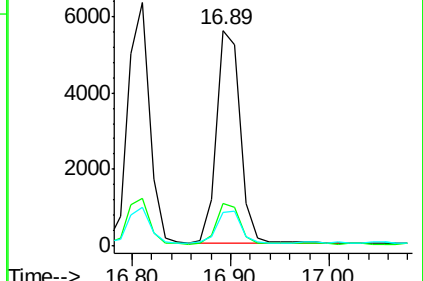
179 15.3 13.0 19.6

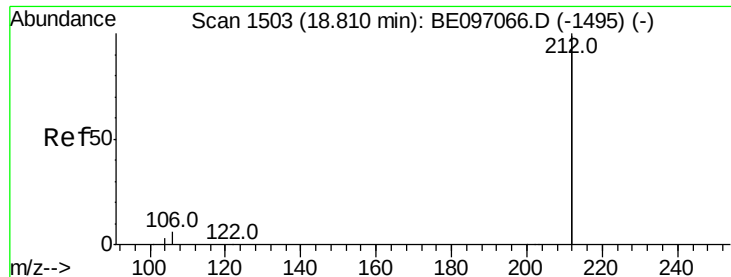


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.484 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

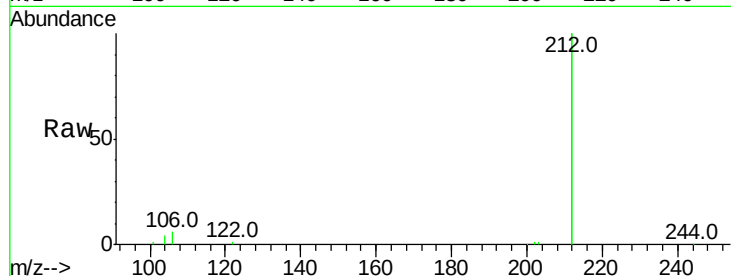
Tot Ion:212 Resp: 47940

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

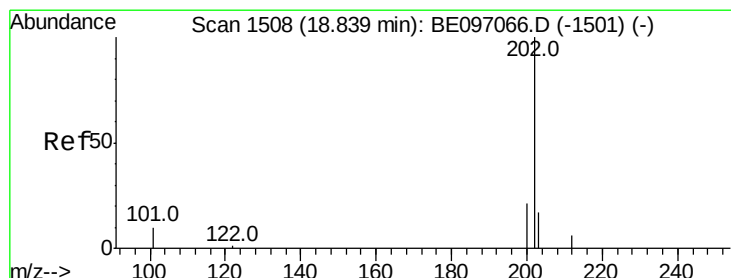
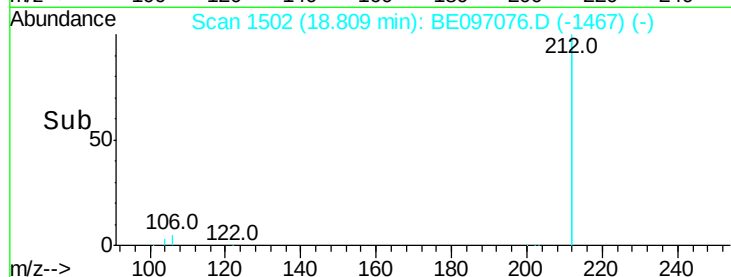
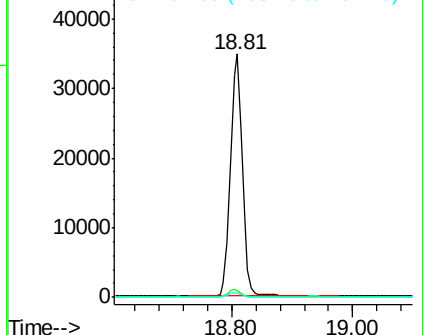
104 1.8 1.6 2.4



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: 0.483 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

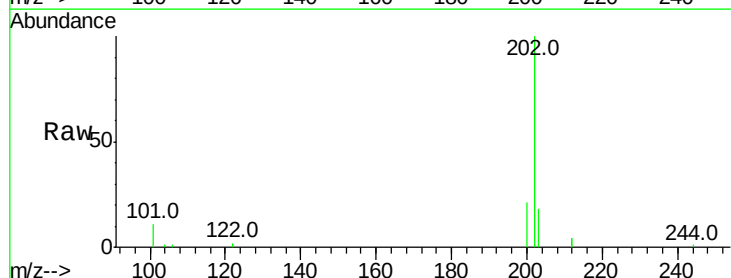
Tgt Ion:202 Resp: 12776

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

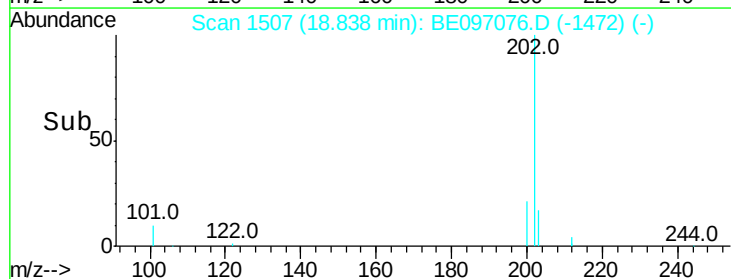
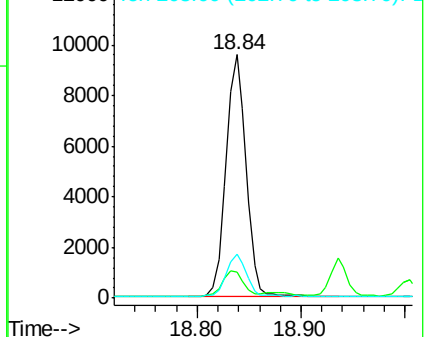
203 17.1 13.7 20.5

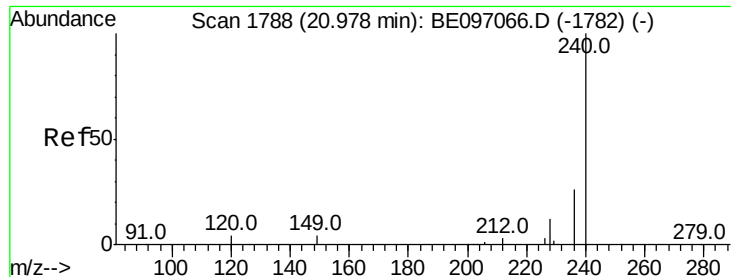


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

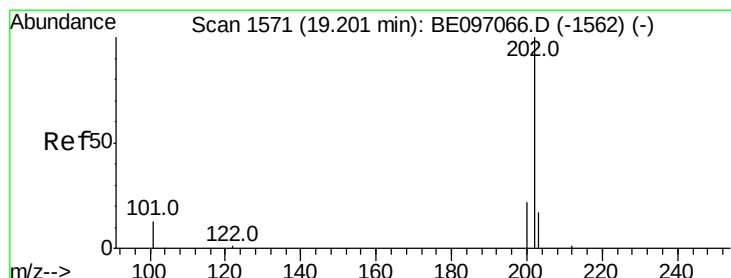
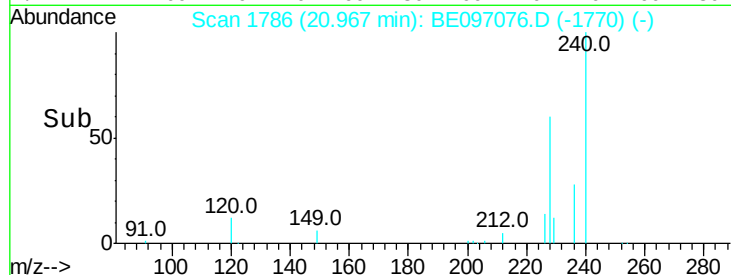
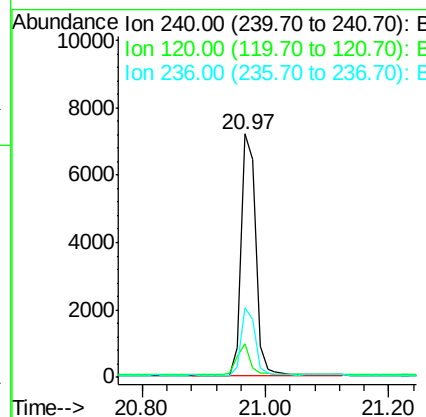
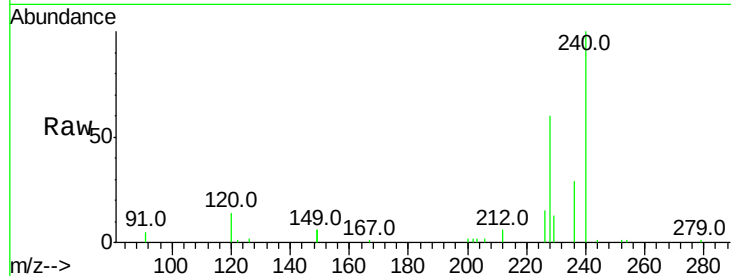




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BE097076.D
 Acq: 24 Jul 2018 17:48

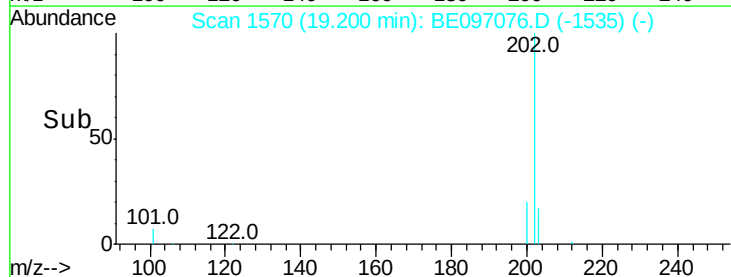
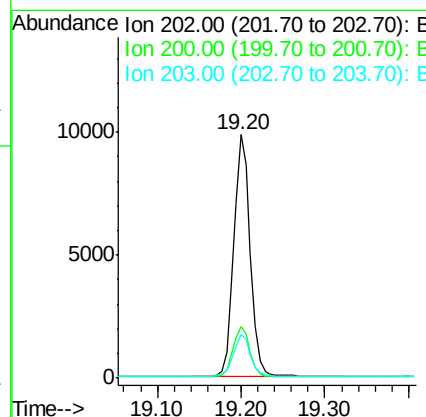
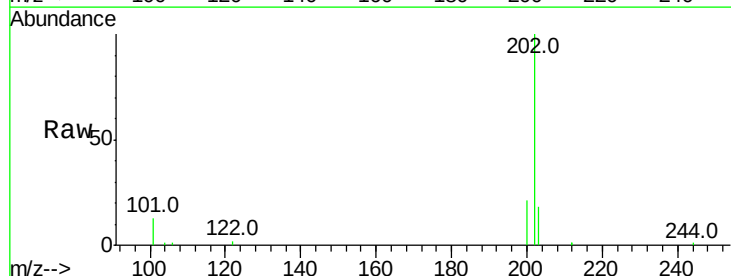
Instrument :
 BNA_E
 ClientSampleId :
 RE123D3-071818MS

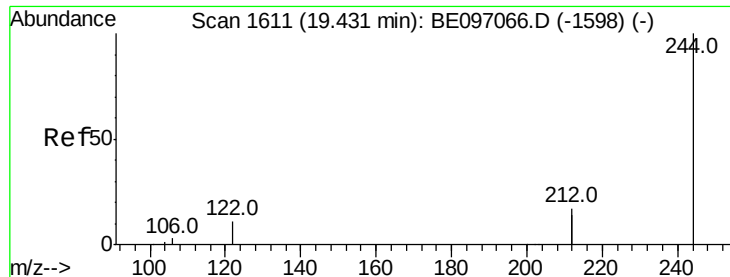
Tot Ion:240 Resp: 11594
 Ion Ratio Lower Upper
 240 100
 120 13.7 5.5 8.3#
 236 28.6 20.7 31.1



#28
 Pyrene
 Concen: 0.419 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BE097076.D
 Acq: 24 Jul 2018 17:48

Tgt Ion:202 Resp: 13325
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 18.0 13.8 20.8





#29

Terphenyl-d14

Concen: 0.445 ng

RT: 19.42 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

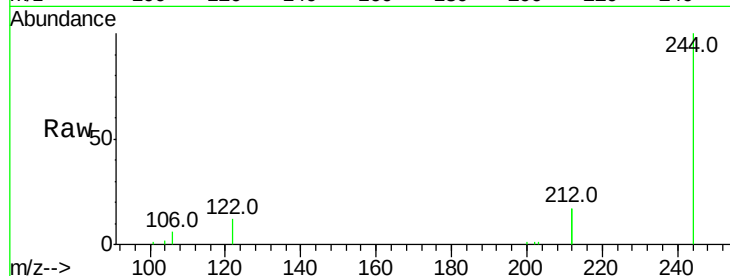
Tot Ion:244 Resp: 9906

Ion Ratio Lower Upper

244 100

212 33.1 25.4 38.0

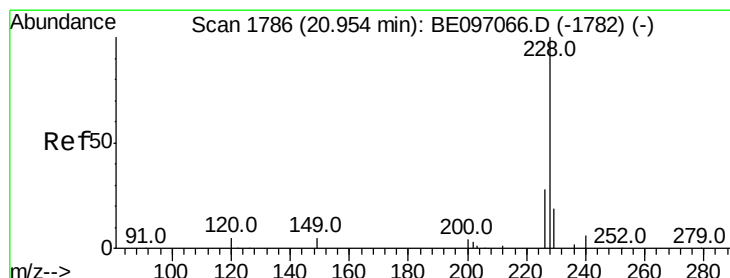
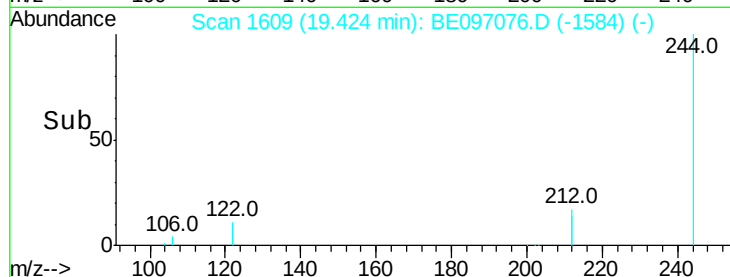
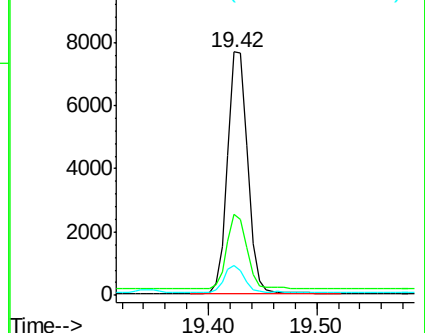
122 12.5 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.438 ng

RT: 20.95 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

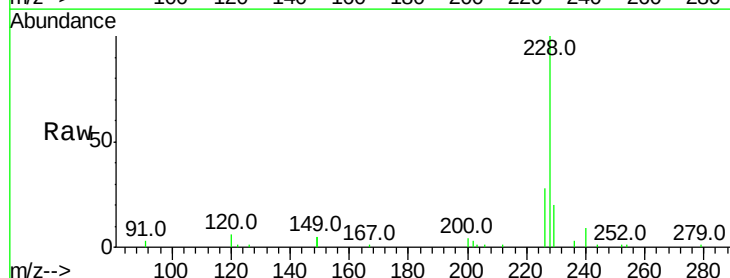
Tgt Ion:228 Resp: 12621

Ion Ratio Lower Upper

228 100

226 27.7 24.0 36.0

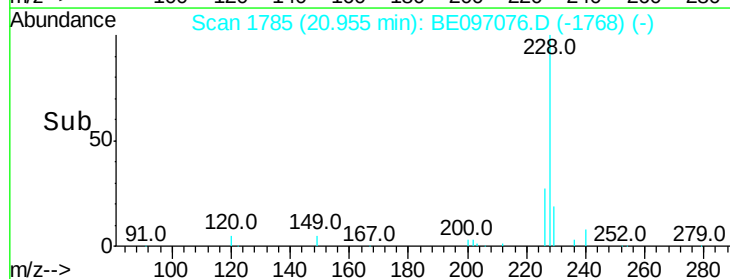
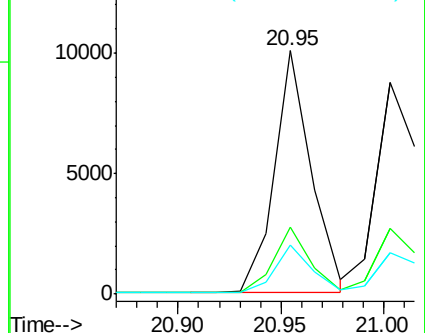
229 20.0 16.0 24.0

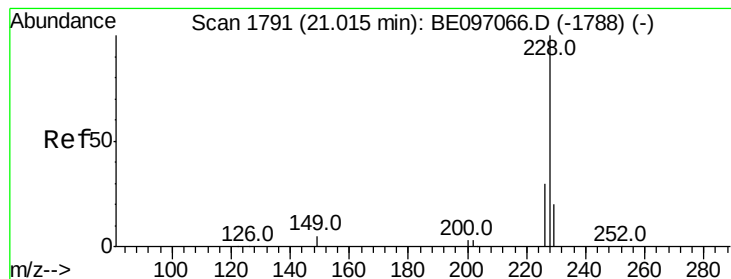


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.403 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

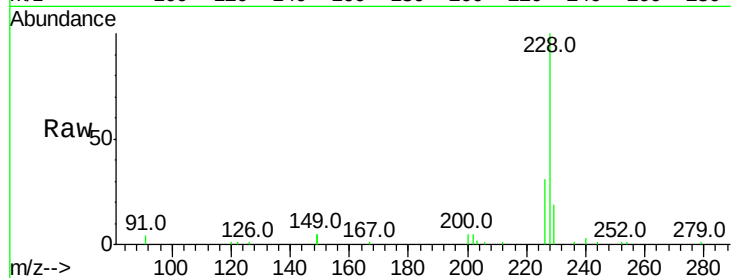
BNA_E

ClientSampleId :

RE123D3-071818MS

Tot Ion:228 Resp: 12453

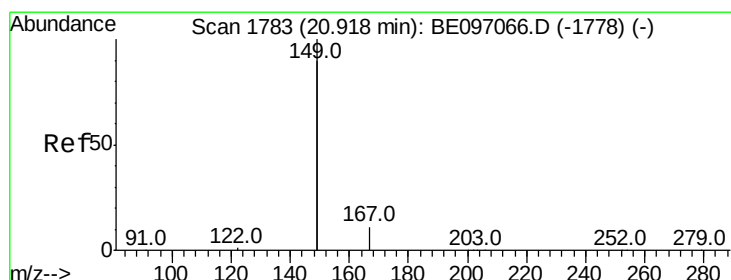
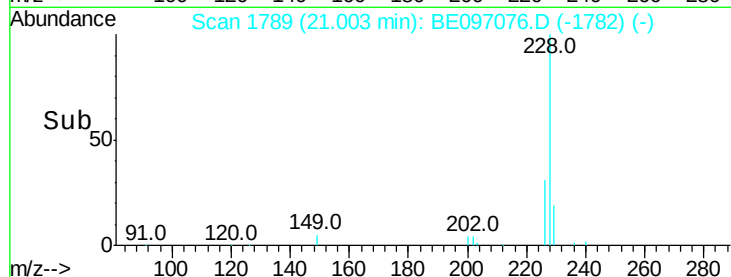
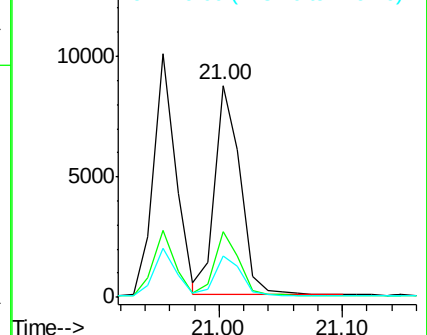
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	19.5	16.0	24.0



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: 0.962 ng

RT: 20.92 min Scan# 1782

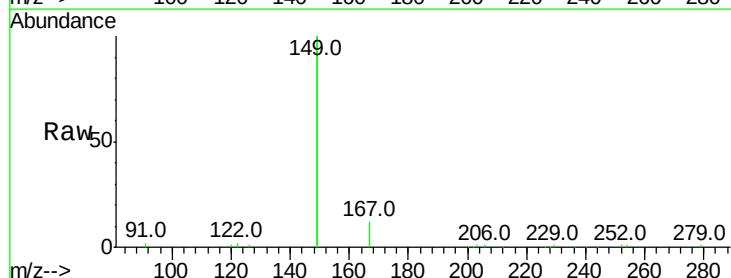
Delta R.T. 0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Tgt Ion:149 Resp: 31803

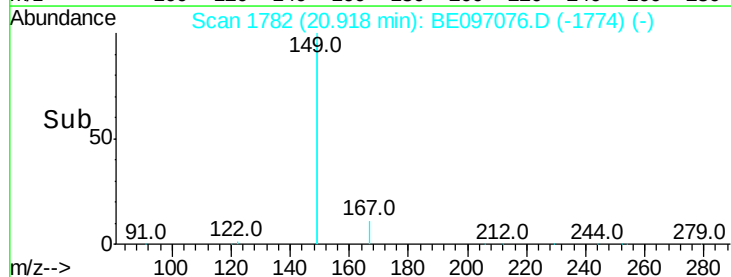
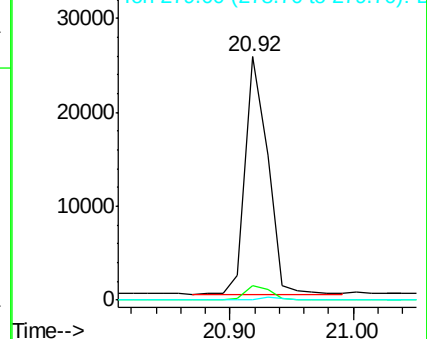
Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	0.9	0.7	1.1

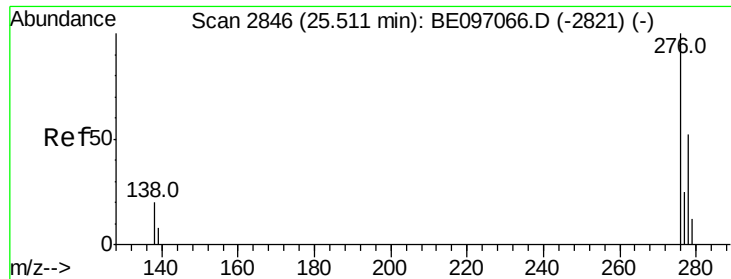


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.431 ng

RT: 25.50 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

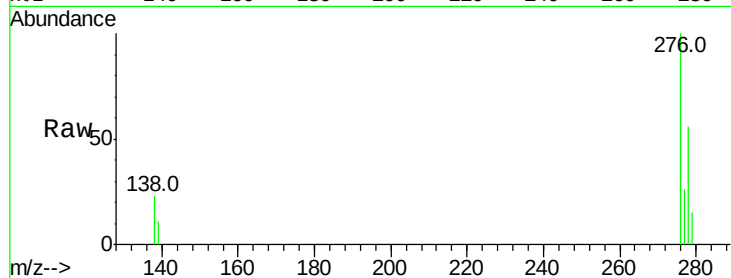
Tot Ion:276 Resp: 12080

Ion Ratio Lower Upper

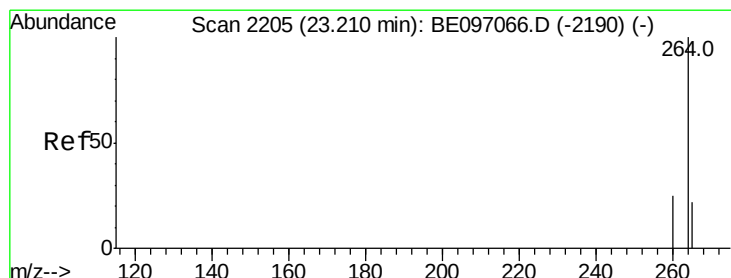
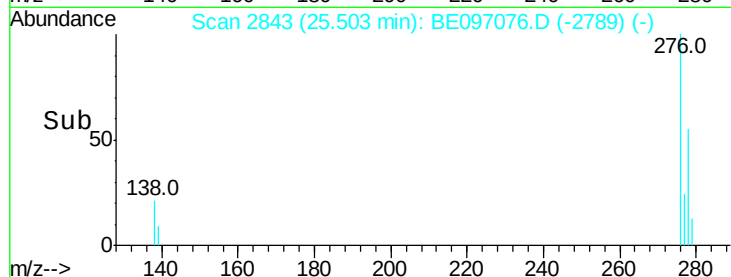
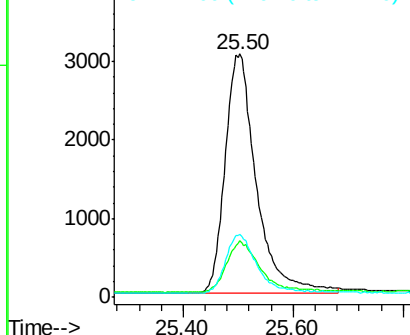
276 100

138 22.1 22.5 33.7#

277 24.6 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

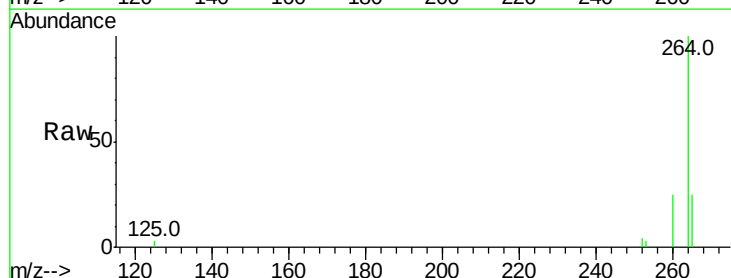
Tgt Ion:264 Resp: 11036

Ion Ratio Lower Upper

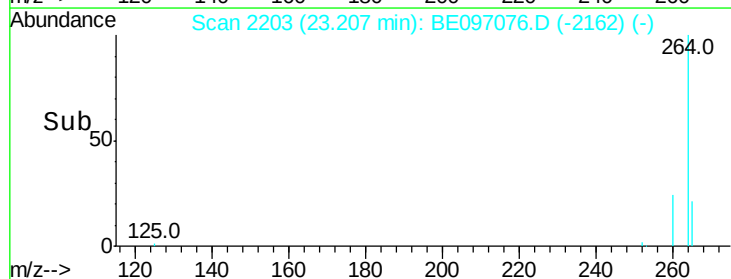
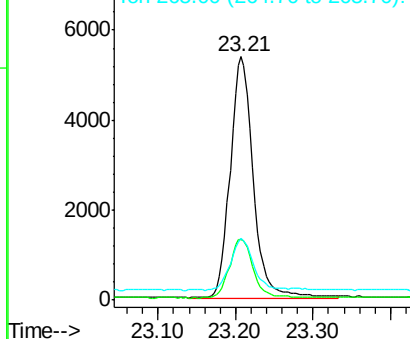
264 100

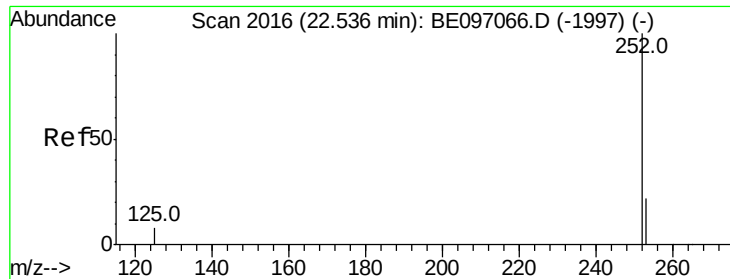
260 24.7 20.5 30.7

265 25.4 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.407 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

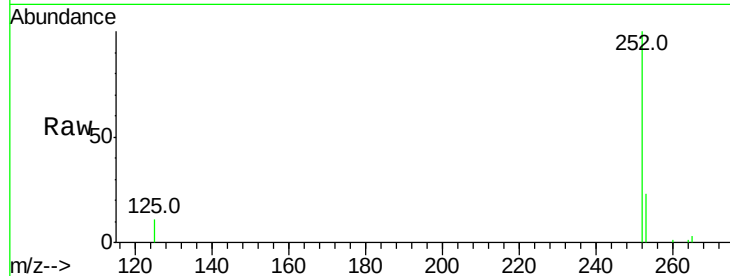
Tot Ion:252 Resp: 11398

Ion Ratio Lower Upper

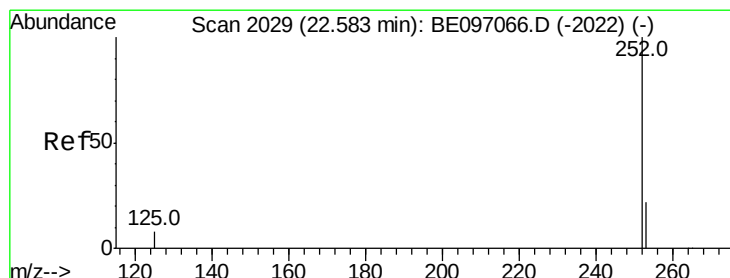
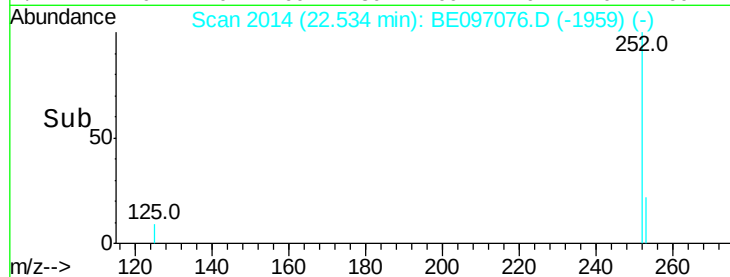
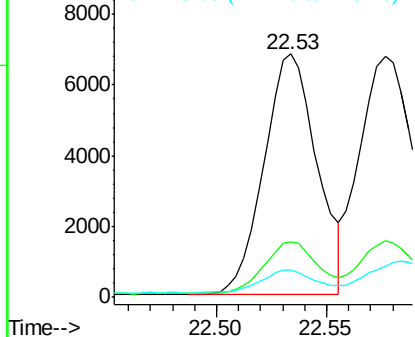
252 100

253 22.9 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: 0.349 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.05 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

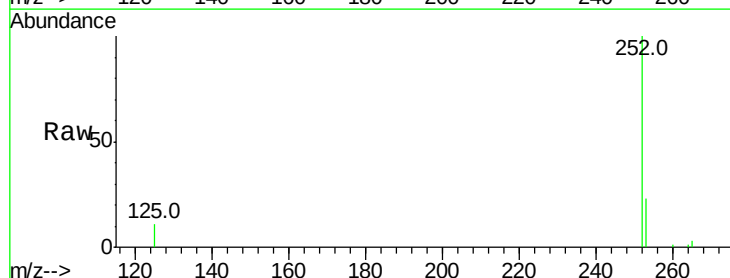
Tgt Ion:252 Resp: 11398

Ion Ratio Lower Upper

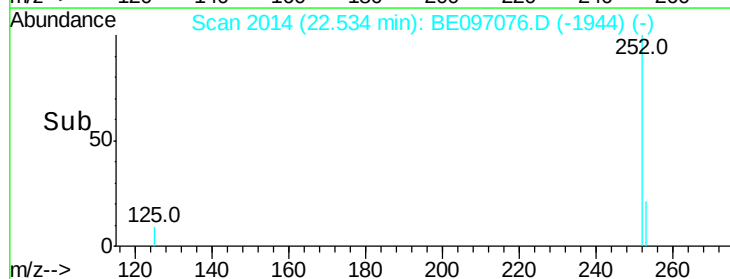
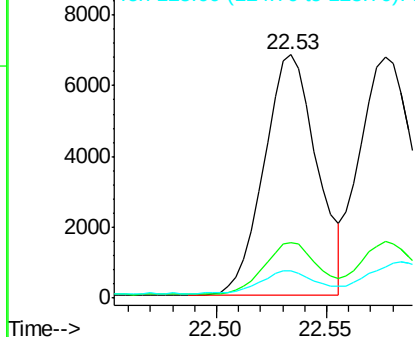
252 100

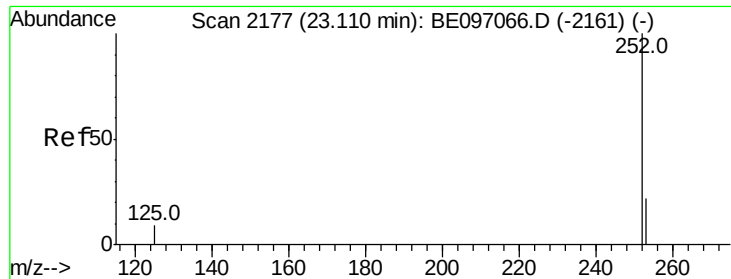
253 22.9 16.0 24.0

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: 0.423 ng

RT: 23.11 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS

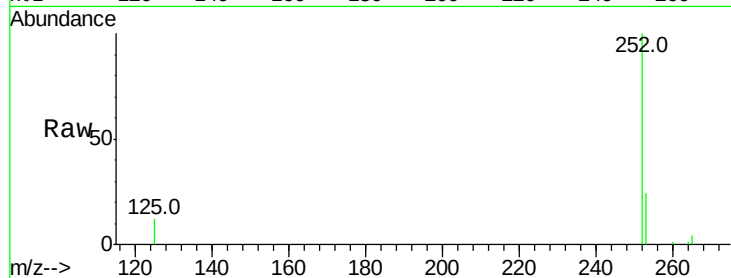
Tot Ion:252 Resp: 11136

Ion Ratio Lower Upper

252 100

253 23.7 16.0 24.0

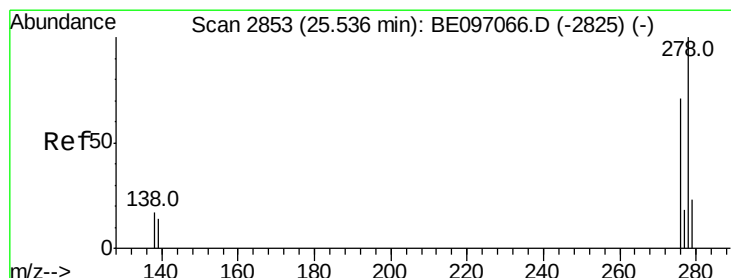
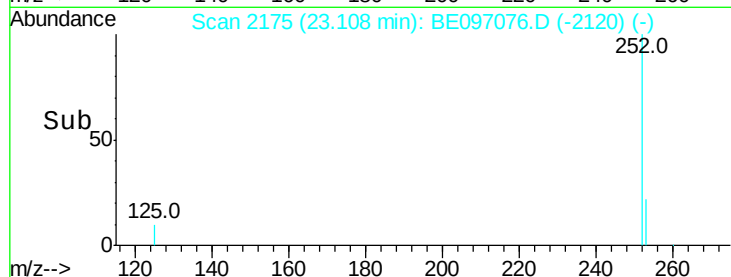
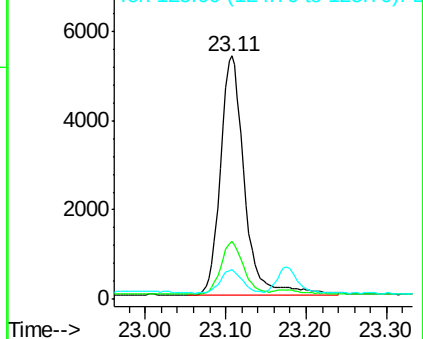
125 12.3 12.0 18.0



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: 0.390 ng

RT: 25.52 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BE097076.D

Acq: 24 Jul 2018 17:48

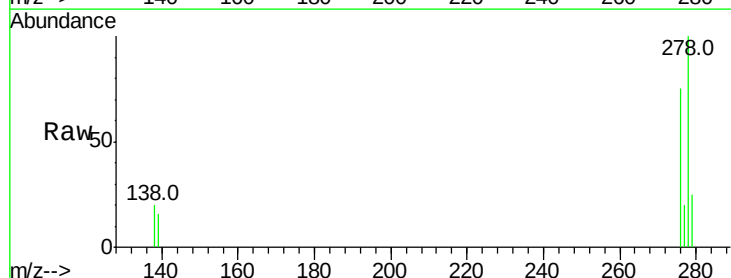
Tgt Ion:278 Resp: 10258

Ion Ratio Lower Upper

278 100

139 16.2 16.0 24.0

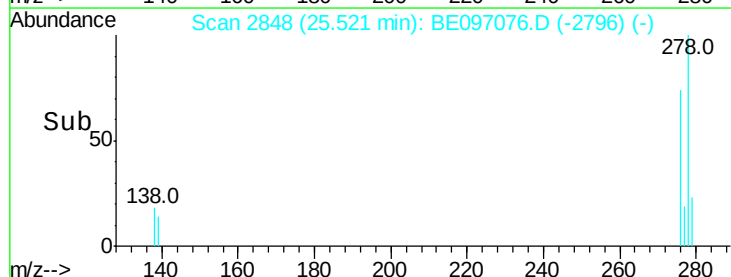
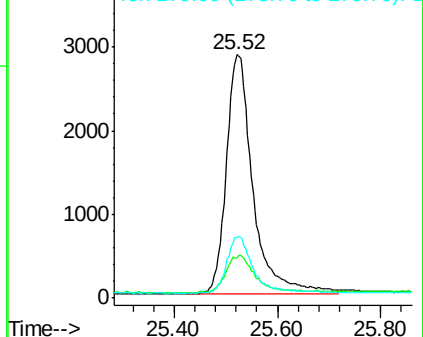
279 24.9 20.0 30.0

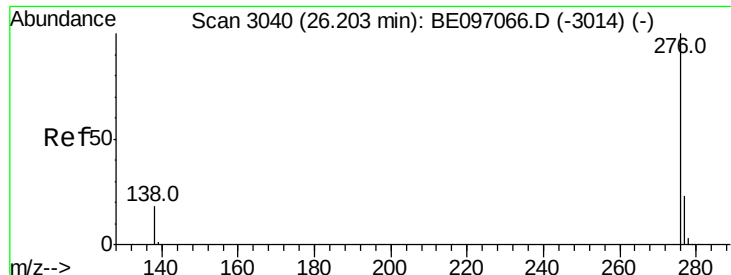


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.376 ng

RT: 26.19 min Scan# 3036

Delta R.T. -0.01 min

Lab File: BE097076.D

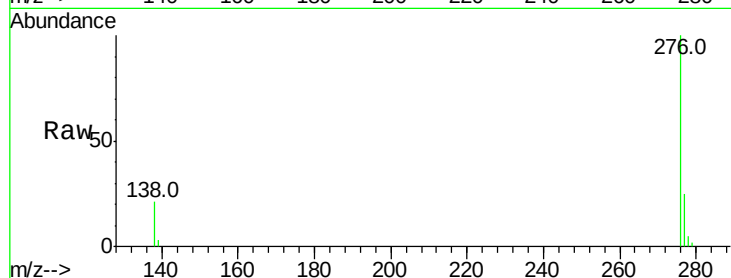
Acq: 24 Jul 2018 17:48

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MS



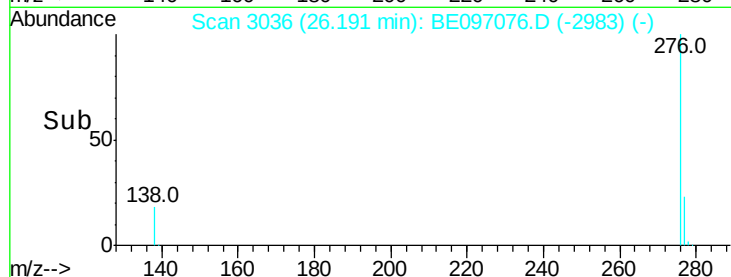
Tot Ion:276 Resp: 10486

Ion Ratio Lower Upper

276 100

277 24.5 16.0 24.0#

138 20.6 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

