

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097077.D
 Acq On : 24 Jul 2018 18:27
 Operator : SJ/JU
 Sample : J4073-19MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D3-071818MSD

Quant Time: Jul 25 00:37:56 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	1283	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5774	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3345	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	9793	0.40	ng	0.00
27) Chrysene-d12	20.97	240	12118	0.40	ng	-0.01
34) Perylene-d12	23.21	264	11280	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	507	0.14	ng	0.00
5) Phenol-d6	6.60	99	416	0.08	ng	0.00
8) Nitrobenzene-d5	8.52	82	2057	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3629	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	404	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5399	0.47	ng	0.00
25) Fluoranthene-d10	18.81	212	48065	0.49	ng	0.00
29) Terphenyl-d14	19.43	244	9980	0.43	ng	0.00

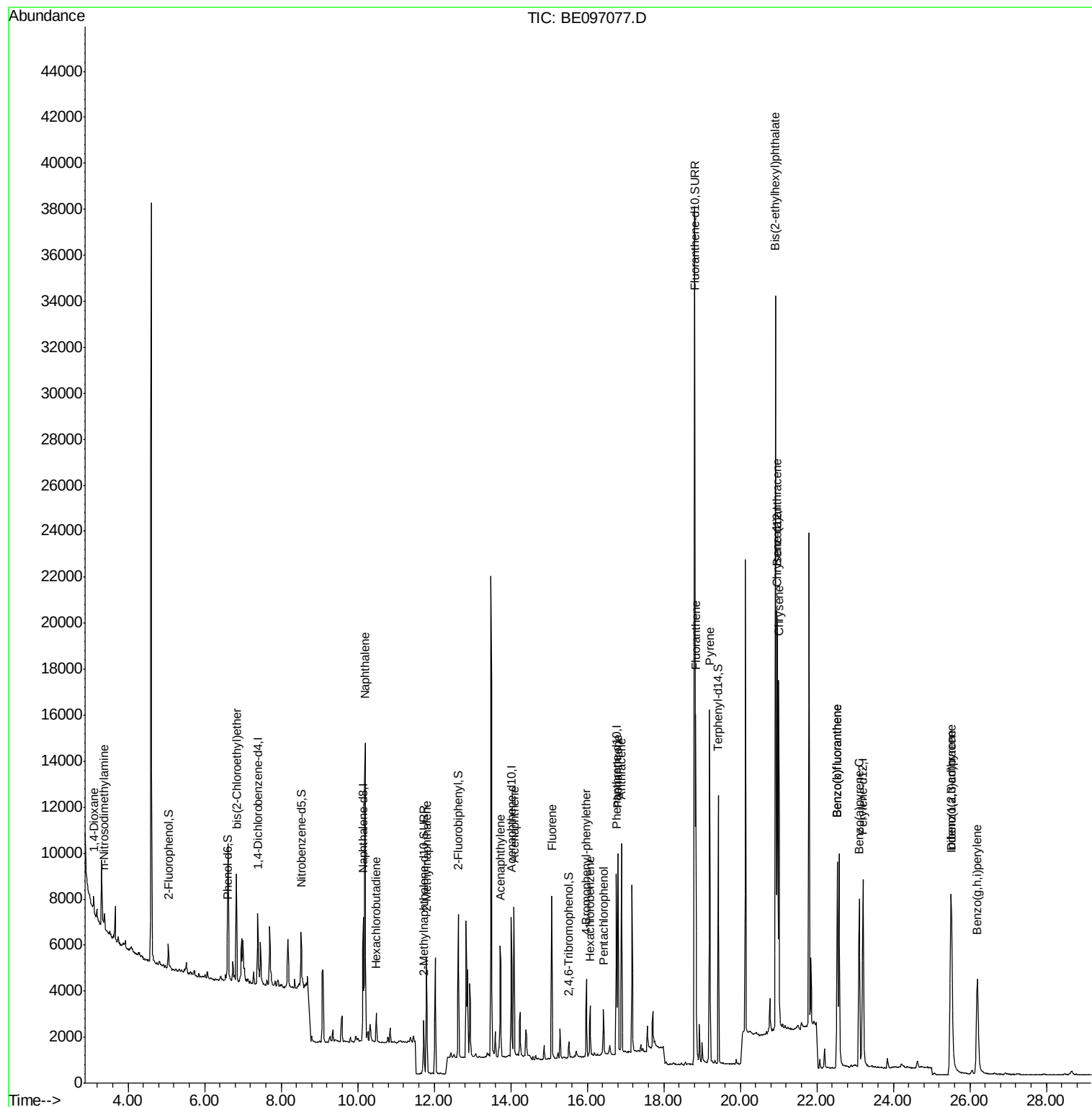
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	341	0.167	ng	# 70
3) n-Nitrosodimethylamine	3.37	42	341	0.150	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	1692	0.350	ng	95
9) Naphthalene	10.20	128	22017	0.425	ng	100
10) Hexachlorobutadiene	10.48	225	809	0.348	ng	98
12) 2-Methylnaphthalene	11.80	142	3630	0.408	ng	99
16) Acenaphthylene	13.73	152	5796	0.386	ng	99
17) Acenaphthene	14.08	154	3382	0.388	ng	93
18) Fluorene	15.08	166	4707	0.408	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1646	0.346	ng	# 89
21) Hexachlorobenzene	16.08	284	1607	0.315	ng	# 83
22) Pentachlorophenol	16.43	266	1023	0.764	ng	# 73
23) Phenanthrene	16.80	178	9743	0.417	ng	98
24) Anthracene	16.89	178	9249	0.443	ng	96
26) Fluoranthene	18.84	202	12873	0.492	ng	99
28) Pyrene	19.20	202	13468	0.405	ng	99
30) Benzo(a)anthracene	20.96	228	12922	0.429	ng	98
31) Chrysene	21.00	228	12652	0.391	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	34824	1.001	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	12499	0.427	ng	# 94
35) Benzo(b)fluoranthene	22.53	252	11833	0.413	ng	# 90
36) Benzo(k)fluoranthene	22.53	252	11833	0.354	ng	94
37) Benzo(a)pyrene	23.11	252	11510	0.428	ng	# 93
38) Dibenzo(a,h)anthracene	25.52	278	10421	0.388	ng	97
39) Benzo(g,h,i)perylene	26.20	276	10866	0.381	ng	# 91

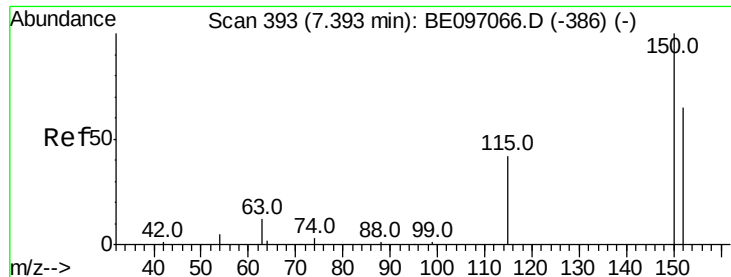
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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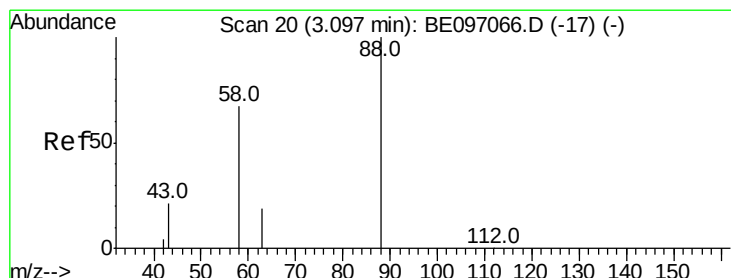
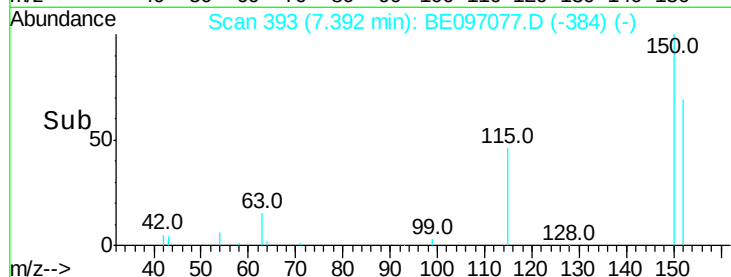
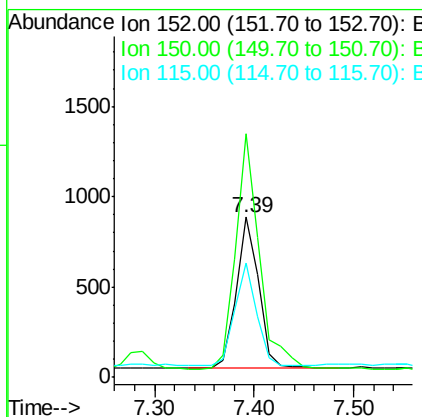
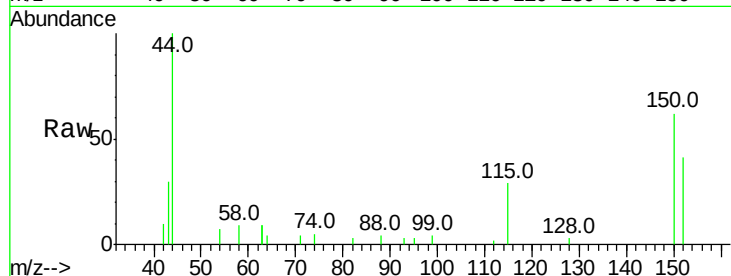


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

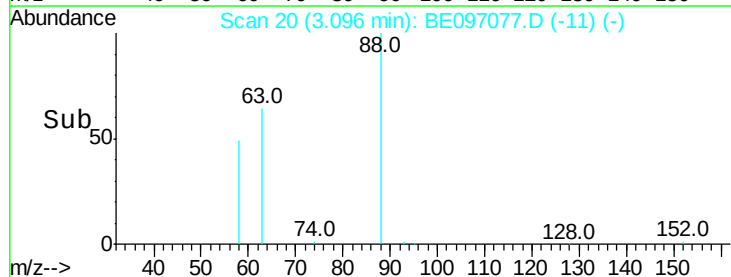
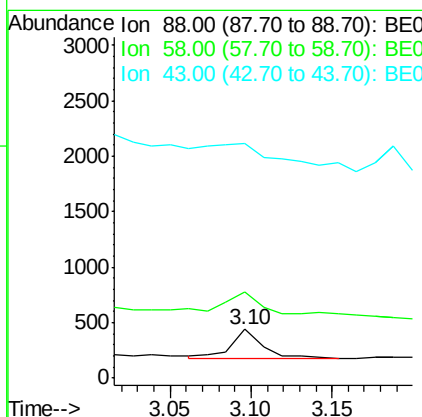
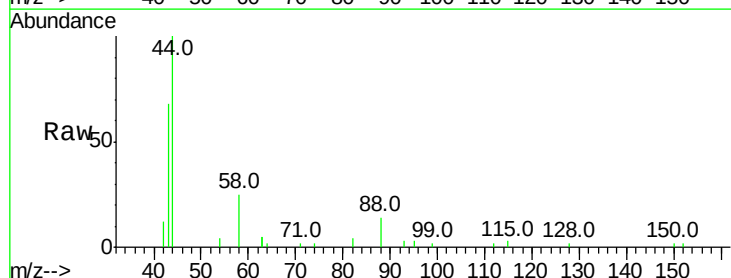
Tot Ion:152 Resp: 1283
Ion Ratio Lower Upper
152 100
150 152.1 117.2 175.8
115 71.1 57.0 85.6

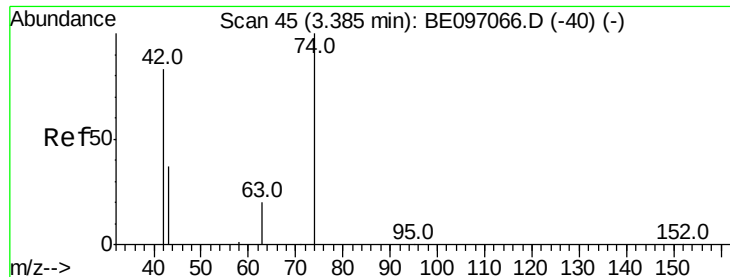


#2

1,4-Dioxane
Concen: 0.167 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion: 88 Resp: 341
Ion Ratio Lower Upper
88 100
58 77.1 63.2 94.8
43 0.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.150 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

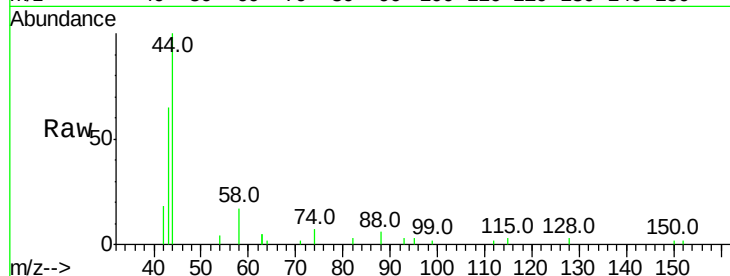
Tot Ion: 42 Resp: 341

Ion Ratio Lower Upper

42 100

74 123.8 96.0 144.0

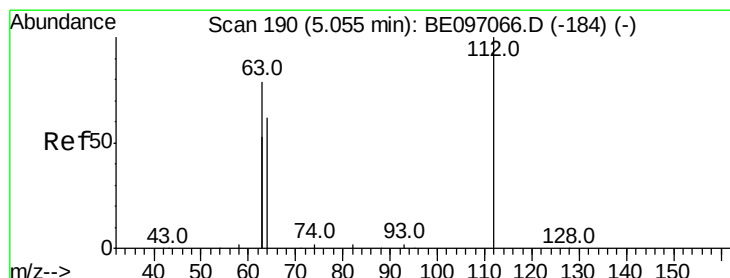
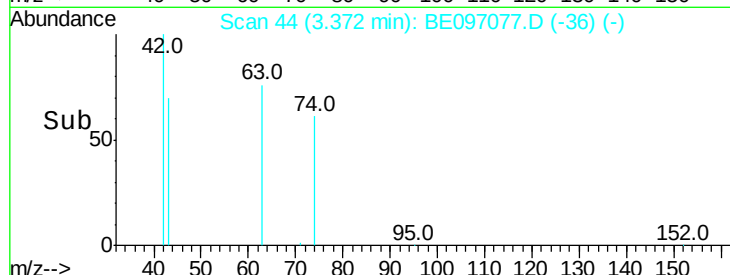
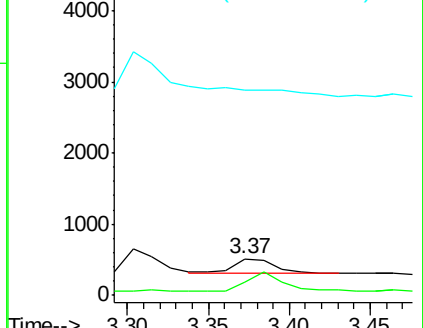
44 0.0 12.0 18.0#



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: 0.141 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

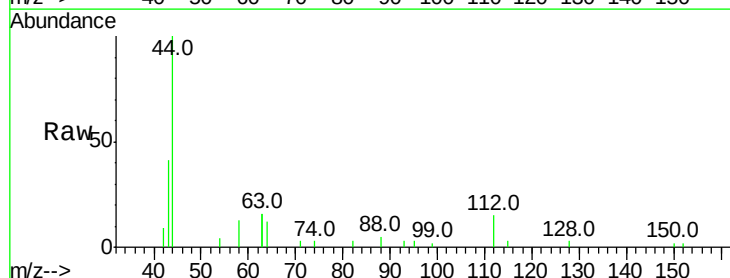
Tgt Ion: 112 Resp: 507

Ion Ratio Lower Upper

112 100

64 63.1 60.1 90.1

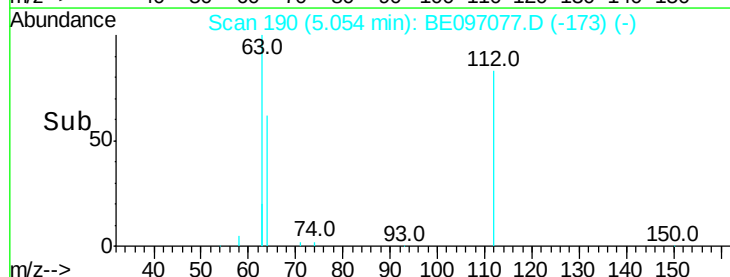
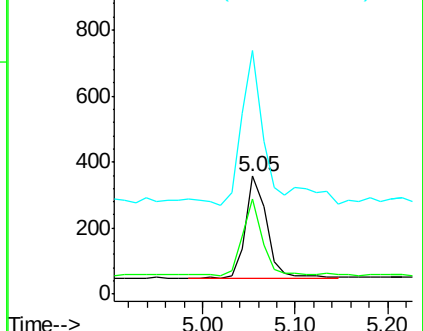
63 144.4 116.8 175.2

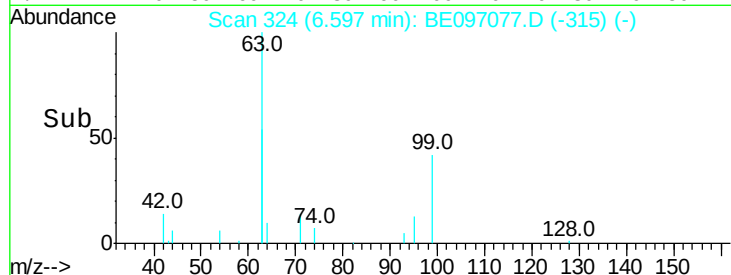
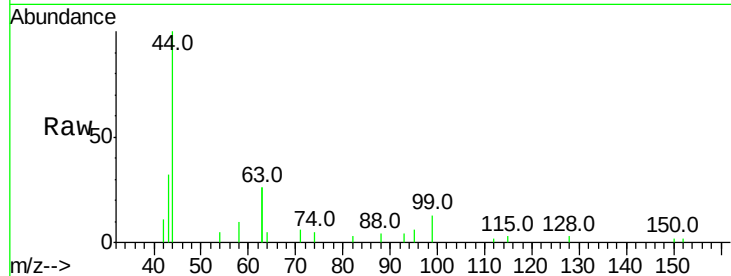
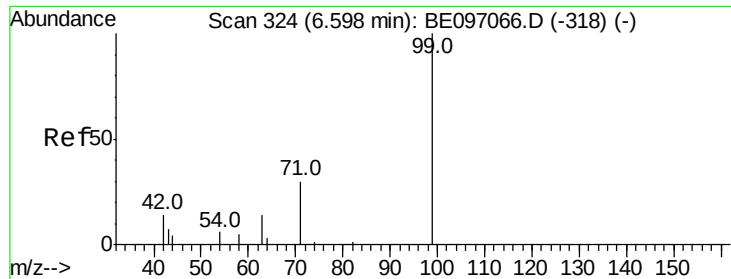


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.079 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

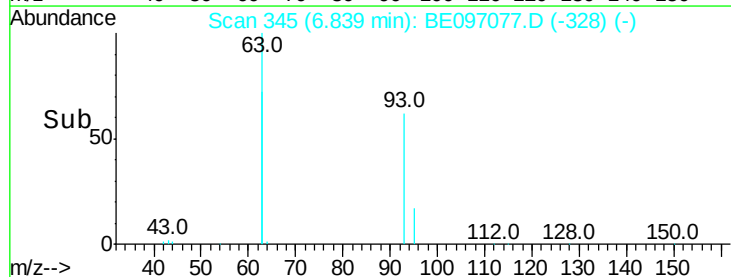
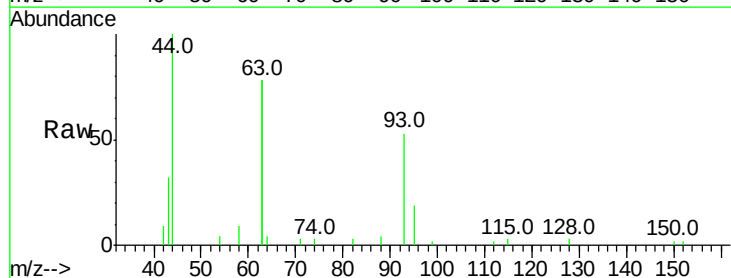
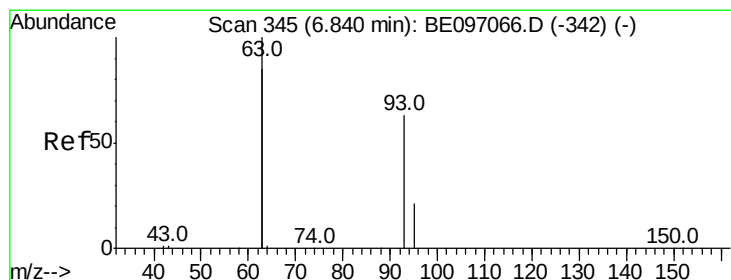
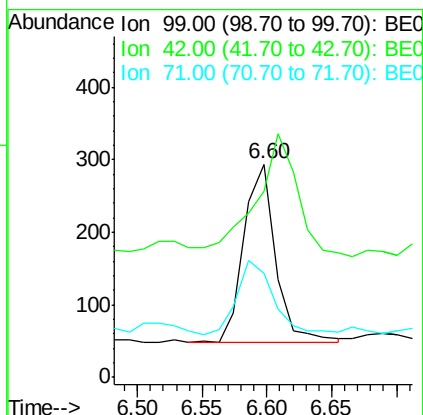
Tot Ion: 99 Resp: 416

Ion Ratio Lower Upper

99 100

42 84.1 20.2 30.2#

71 0.0 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.350 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

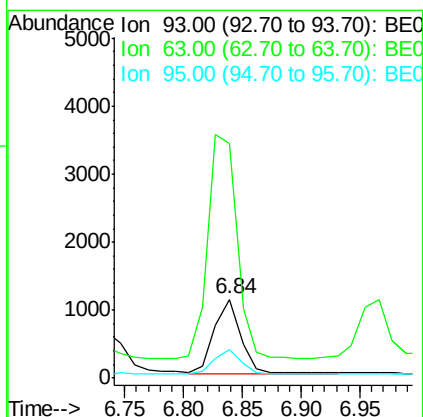
Tgt Ion: 93 Resp: 1692

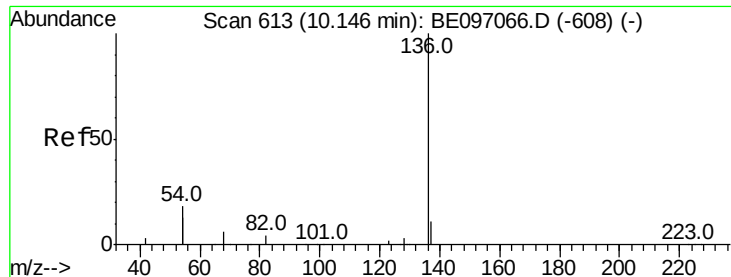
Ion Ratio Lower Upper

93 100

63 333.0 275.3 412.9

95 35.8 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: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

Tot Ion:136 Resp: 5774

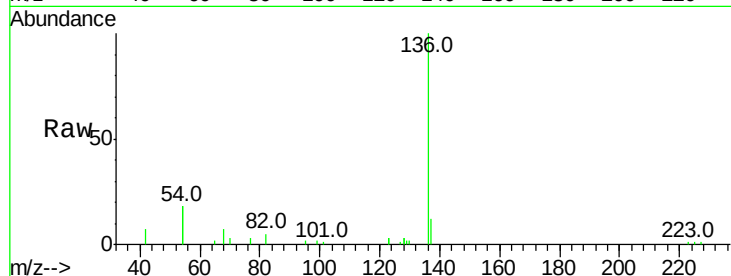
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 36.4 29.1 43.7

68 7.4 6.2 9.2

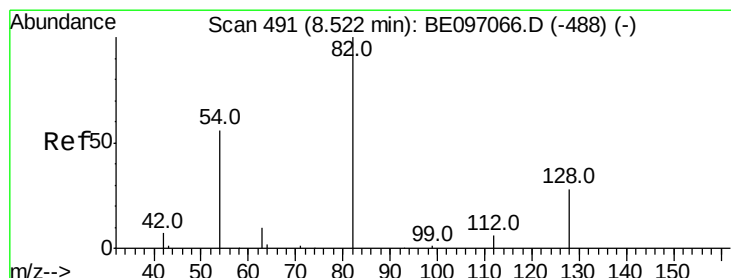
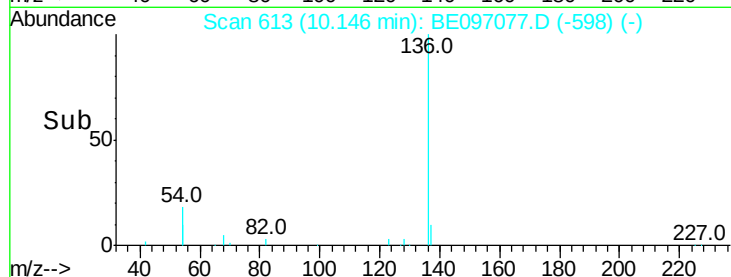
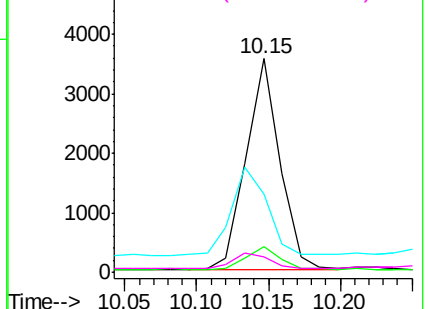


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.410 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

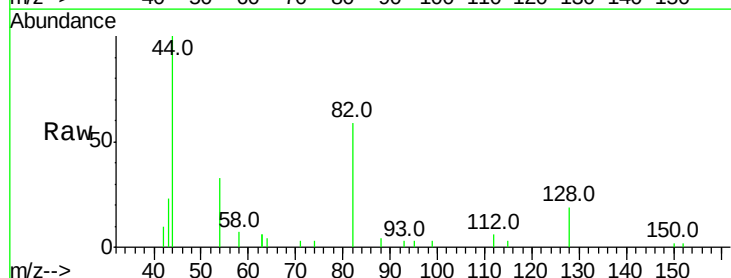
Tgt Ion: 82 Resp: 2057

Ion Ratio Lower Upper

82 100

128 32.8 24.0 36.0

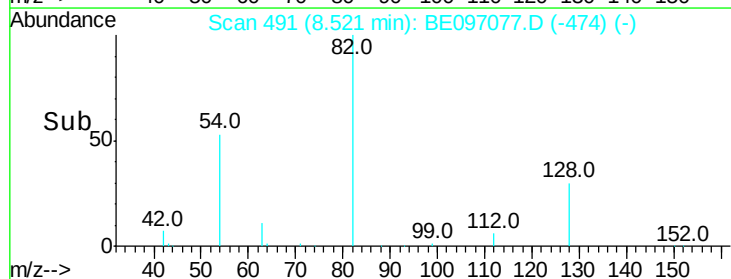
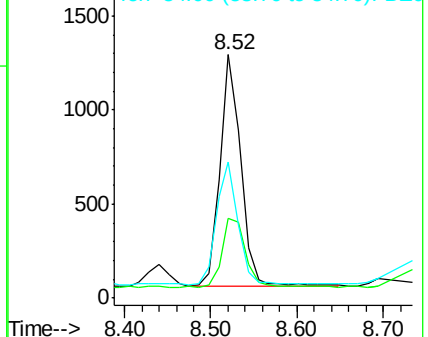
54 56.1 40.0 60.0

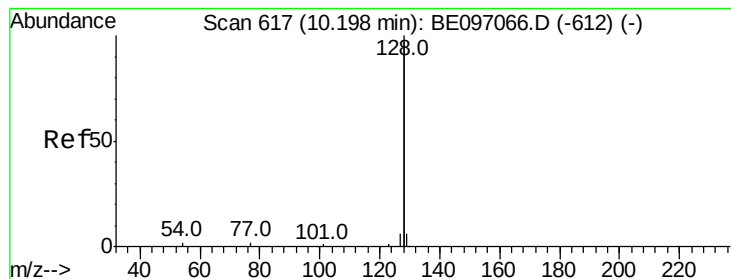


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.425 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

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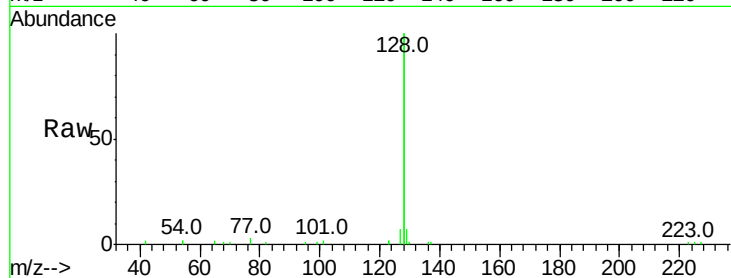
Tot Ion:128 Resp: 22017

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

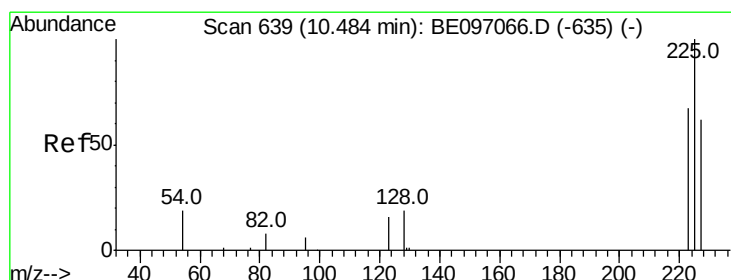
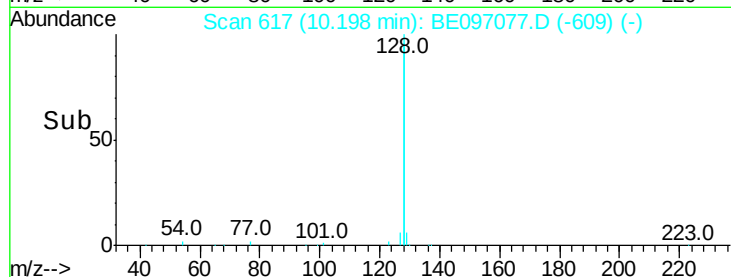
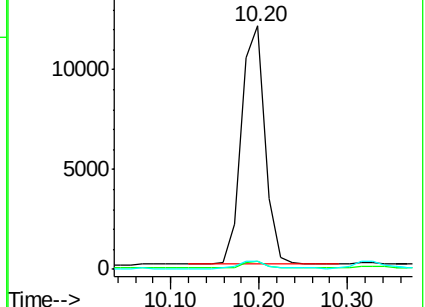
127 3.5 2.8 4.2



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: 0.348 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

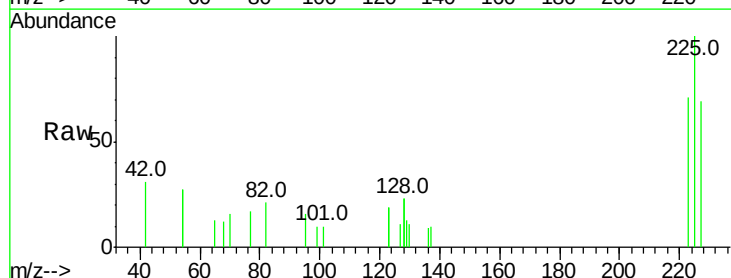
Tgt Ion:225 Resp: 809

Ion Ratio Lower Upper

225 100

223 65.8 53.0 79.6

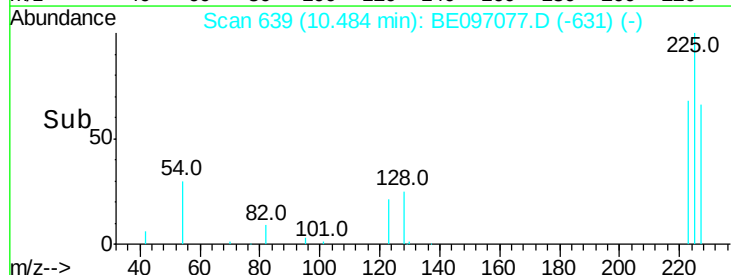
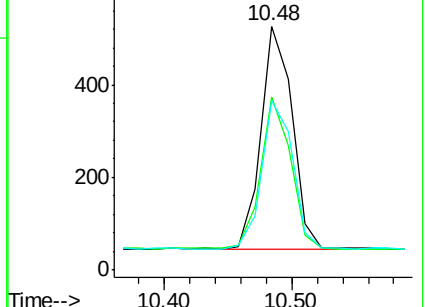
227 67.1 51.4 77.2

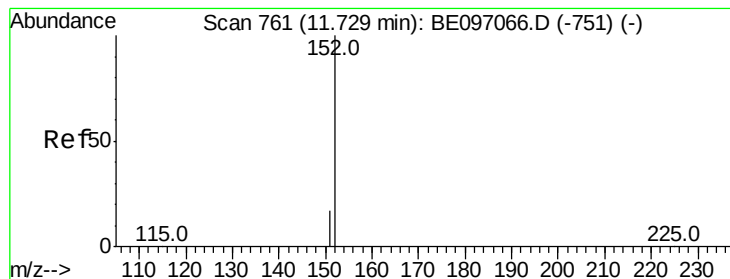


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.420 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

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ClientSampleId :

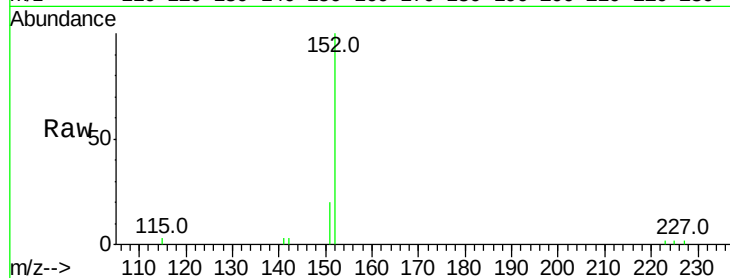
RE123D3-071818MSD

Tot Ion:152 Resp: 3629

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

11.73

2000

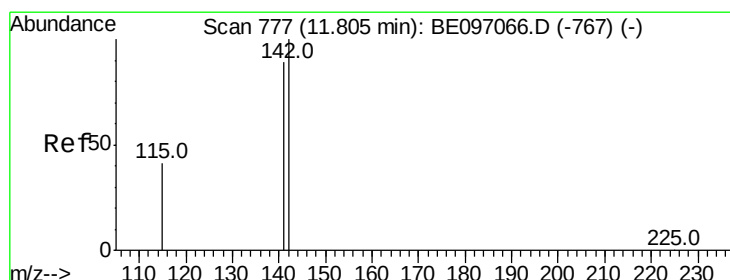
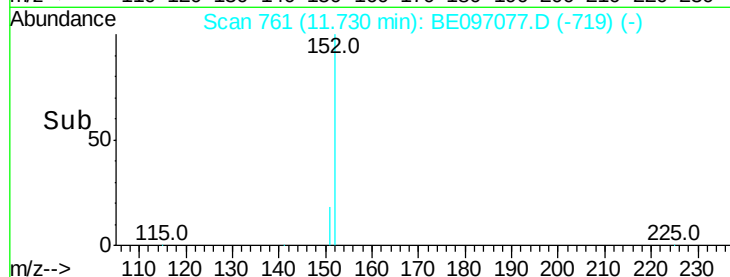
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.408 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

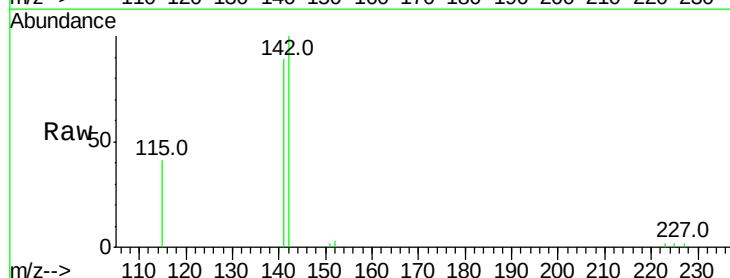
Tgt Ion:142 Resp: 3630

Ion Ratio Lower Upper

142 100

141 89.0 70.4 105.6

115 40.8 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.80

3000

2500

2000

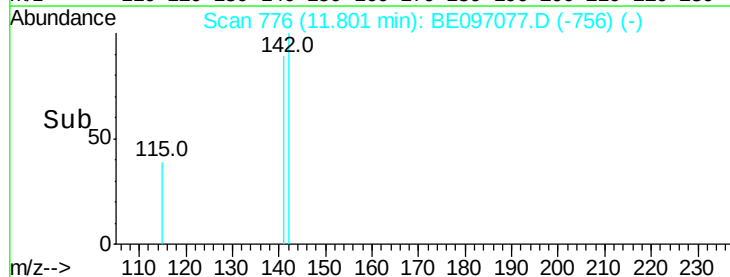
1500

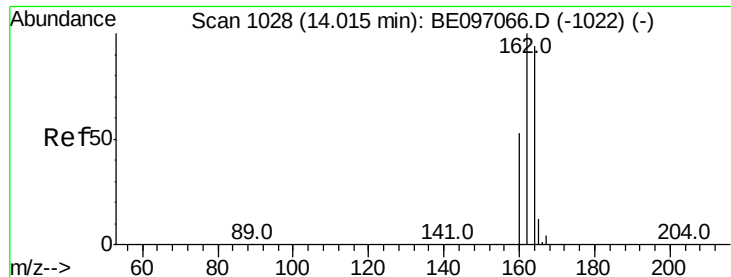
1000

500

0

Time--> 11.70 11.80 11.90

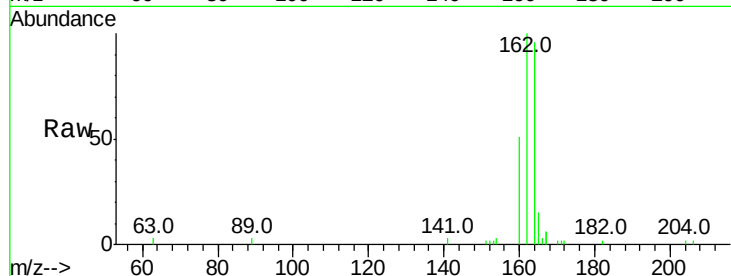




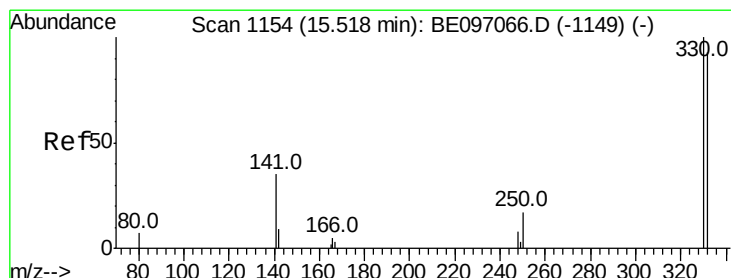
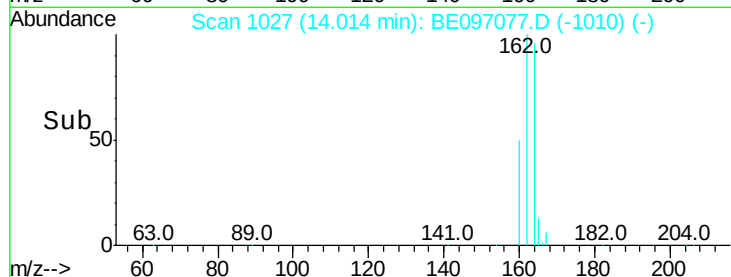
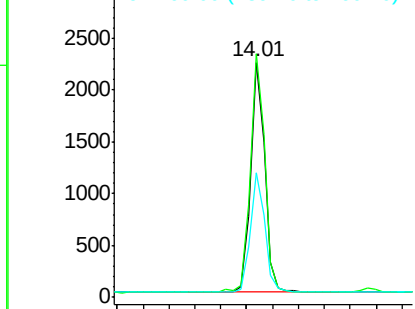
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

Tot Ion:164 Resp: 3345
Ion Ratio Lower Upper
164 100
162 103.7 83.1 124.7
160 53.1 37.1 55.7

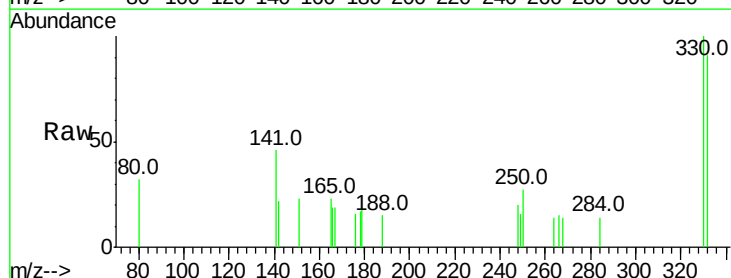


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

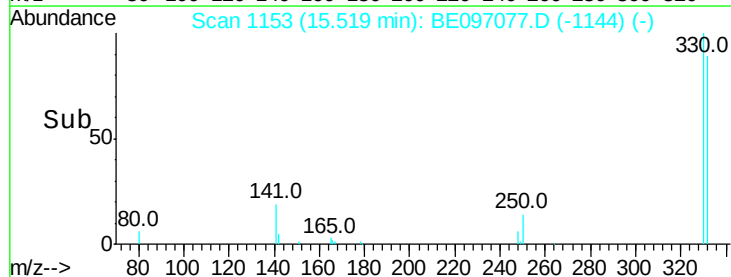
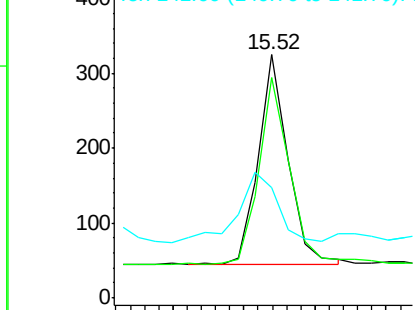


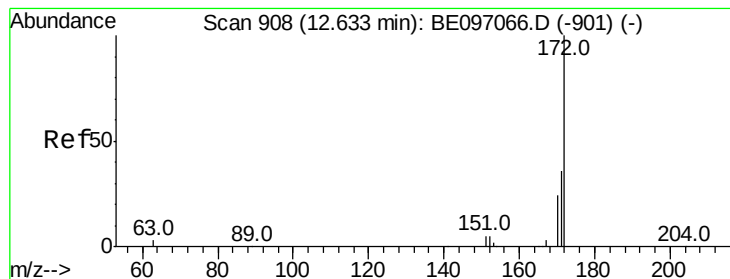
#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.52 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion:330 Resp: 404
Ion Ratio Lower Upper
330 100
332 93.6 152.7 229.1#
141 45.0 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

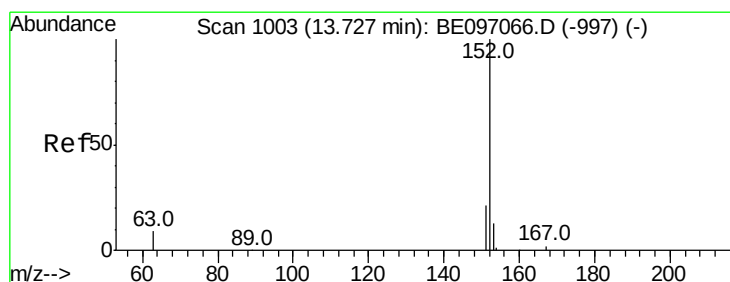
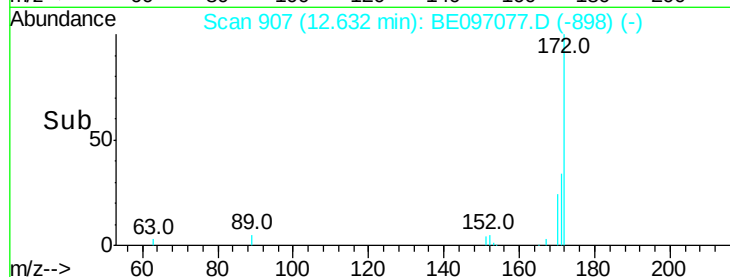
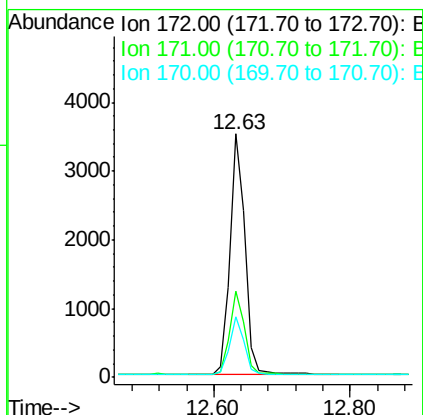
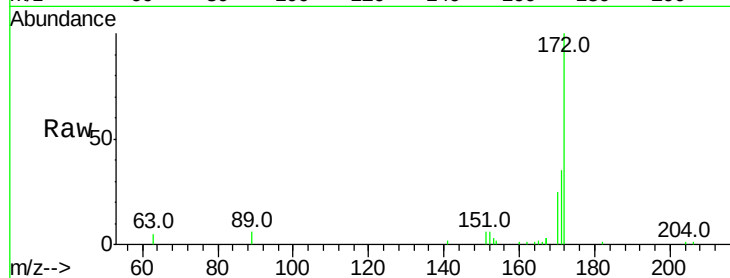




#15
2-Fluorobiphenyl
Concen: 0.467 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

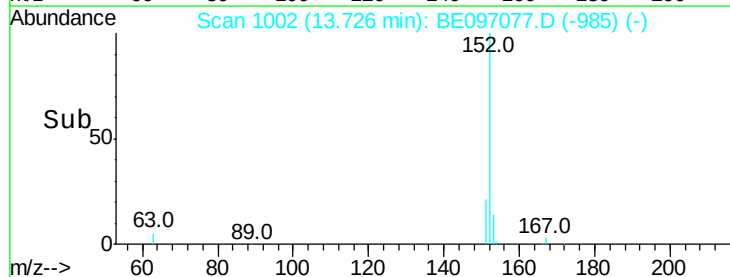
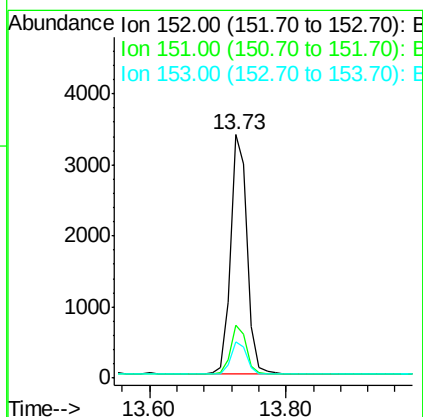
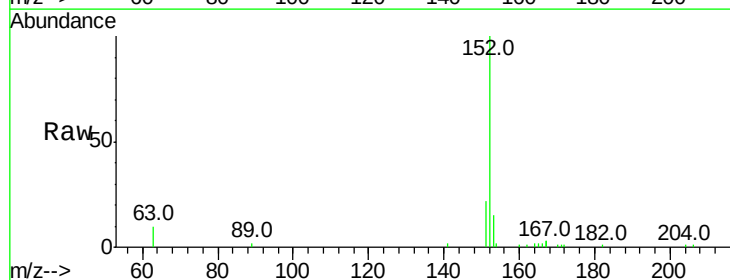
Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

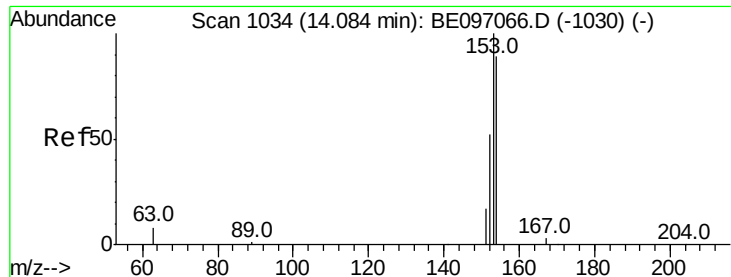
Tot Ion:172 Resp: 5399
Ion Ratio Lower Upper
172 100
171 35.4 29.9 44.9
170 25.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.386 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion:152 Resp: 5796
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

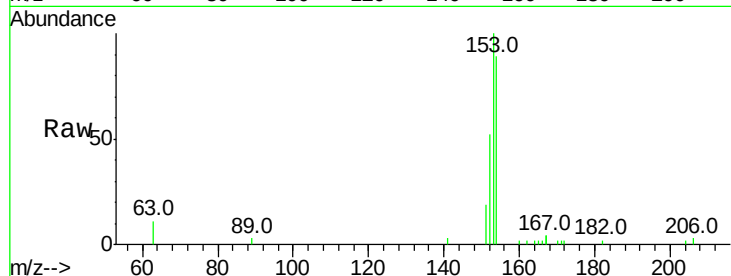
Tot Ion:154 Resp: 3382

Ion Ratio Lower Upper

154 100

153 116.4 89.2 133.8

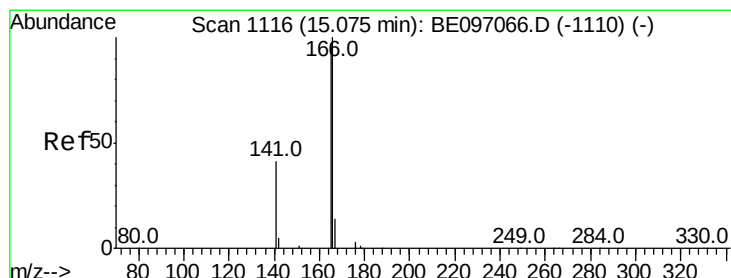
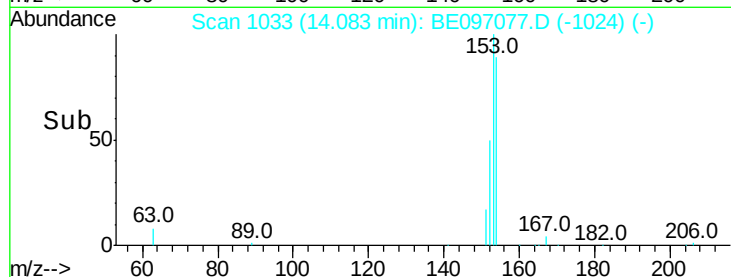
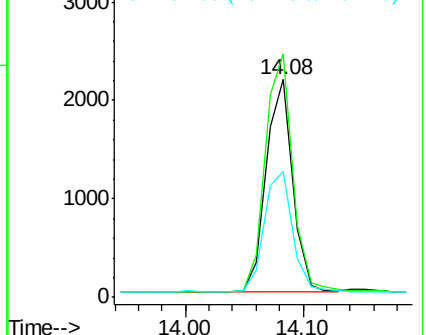
152 60.4 42.0 63.0



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: 0.408 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

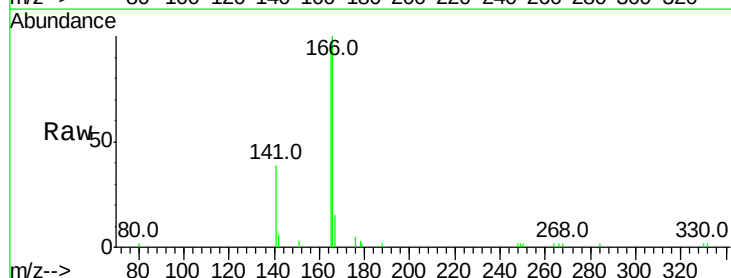
Tgt Ion:166 Resp: 4707

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.6

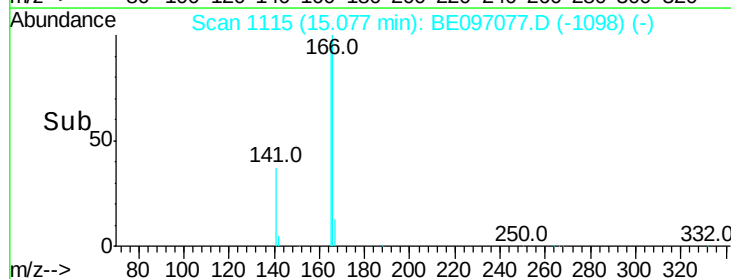
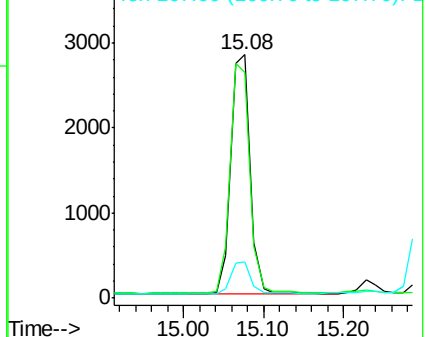
167 13.7 42.4 63.6#

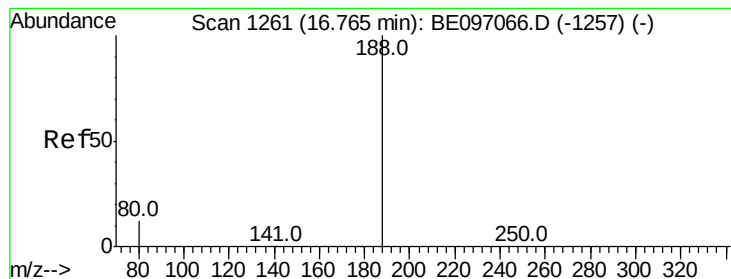


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

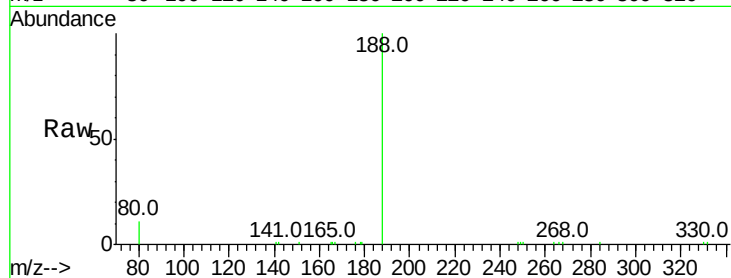
Tot Ion:188 Resp: 9793

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

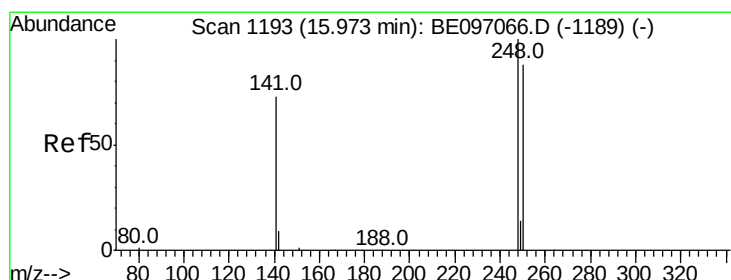
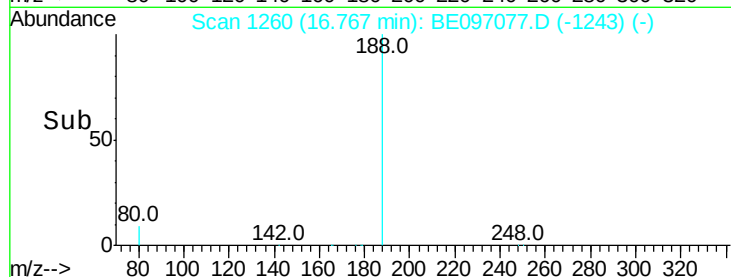
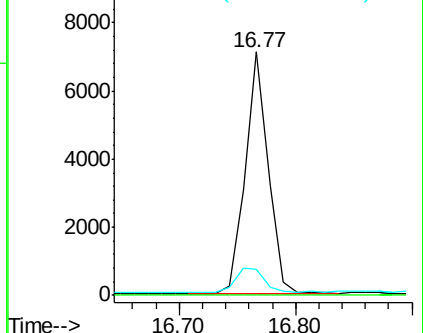
80 10.8 3.6 5.4#



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: 0.346 ng

RT: 15.97 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

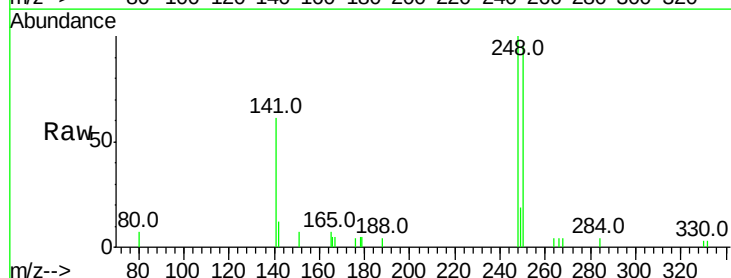
Tgt Ion:248 Resp: 1646

Ion Ratio Lower Upper

248 100

250 95.2 62.7 94.1#

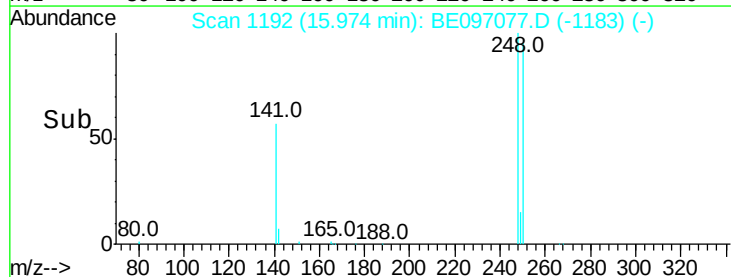
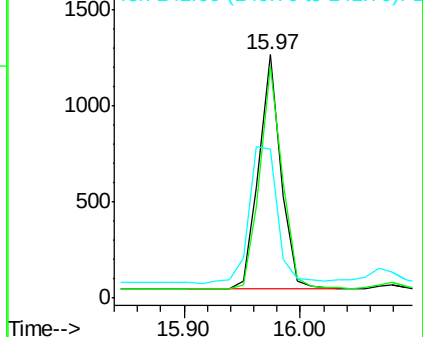
141 61.1 48.2 72.2

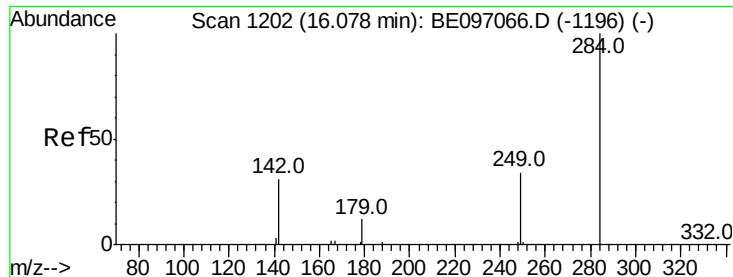


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.315 ng

RT: 16.08 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

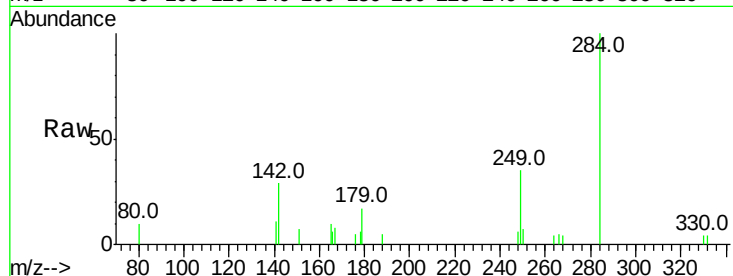
Tot Ion:284 Resp: 1607

Ion Ratio Lower Upper

284 100

142 35.7 22.1 33.1#

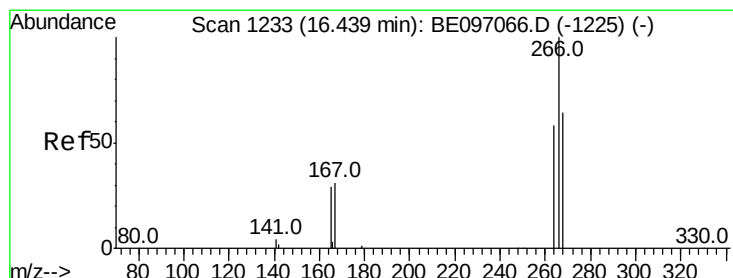
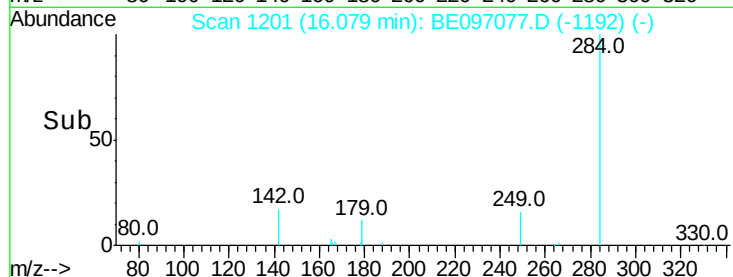
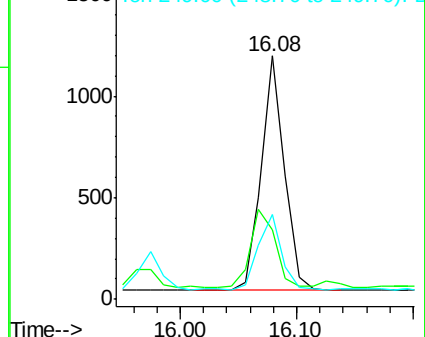
249 32.0 34.8 52.2#



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: 0.764 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

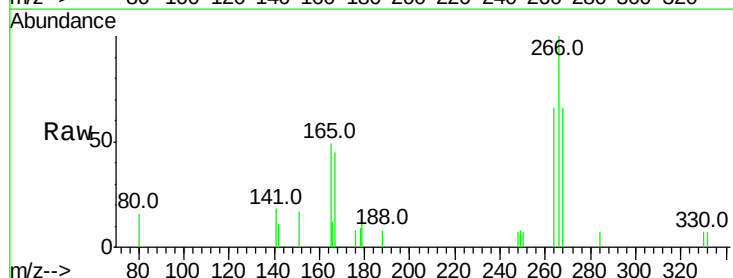
Tgt Ion:266 Resp: 1023

Ion Ratio Lower Upper

266 100

264 66.0 72.5 108.7#

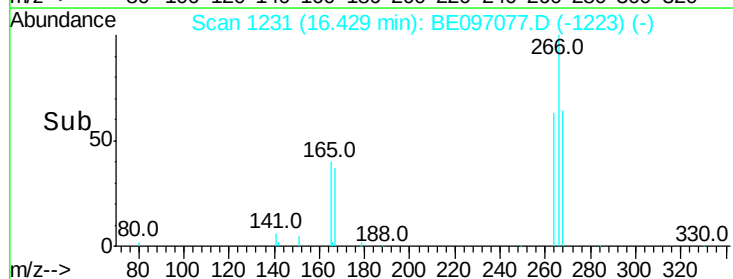
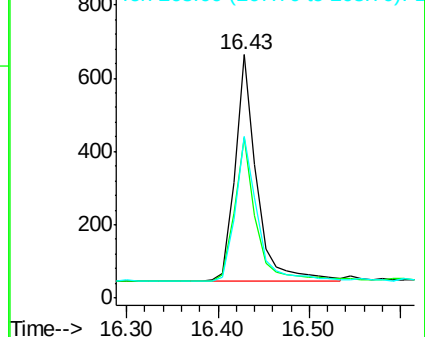
268 66.3 73.8 110.6#

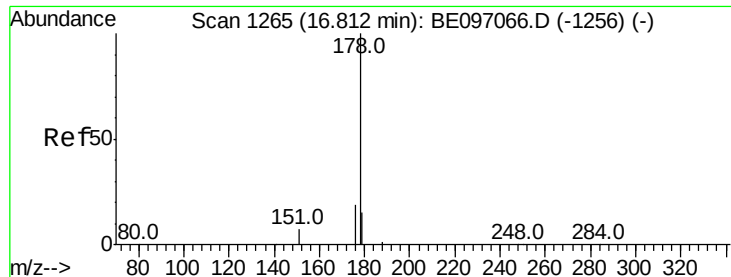


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.417 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

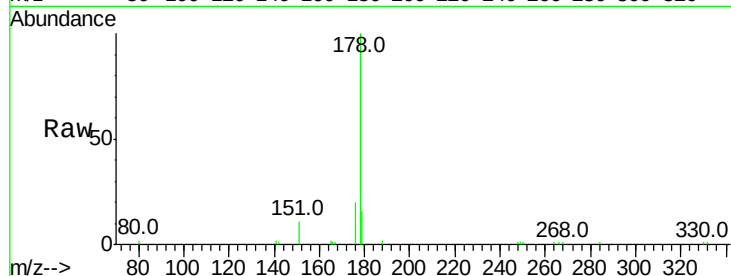
Tot Ion:178 Resp: 9743

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

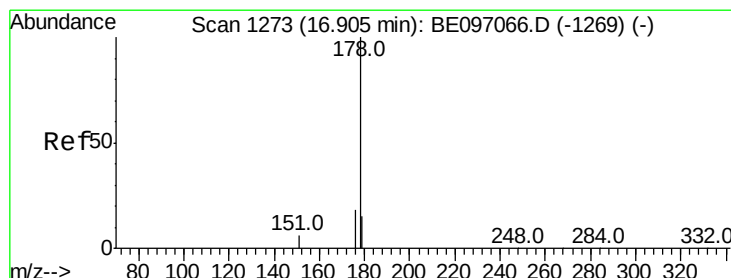
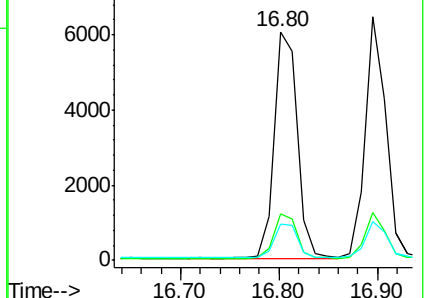
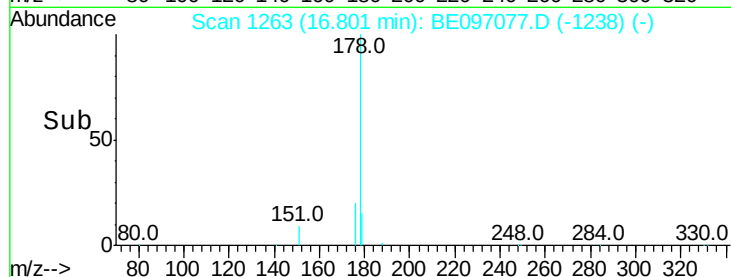
179 15.6 11.8 17.6



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: 0.443 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

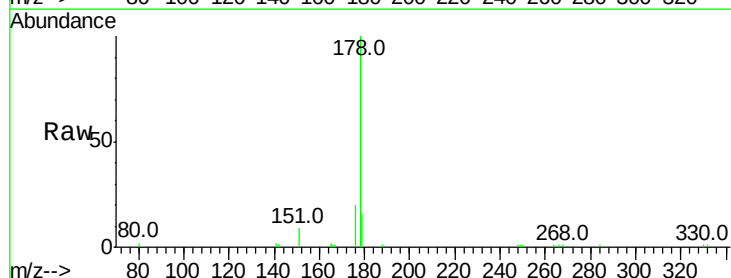
Tgt Ion:178 Resp: 9249

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

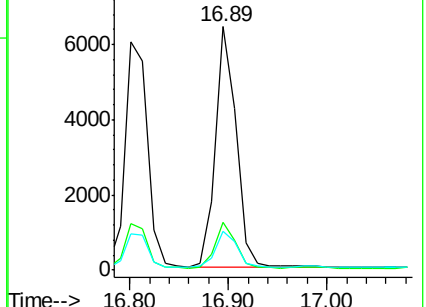
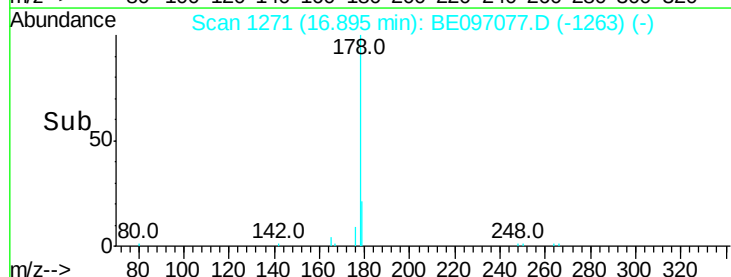
179 15.4 13.0 19.6

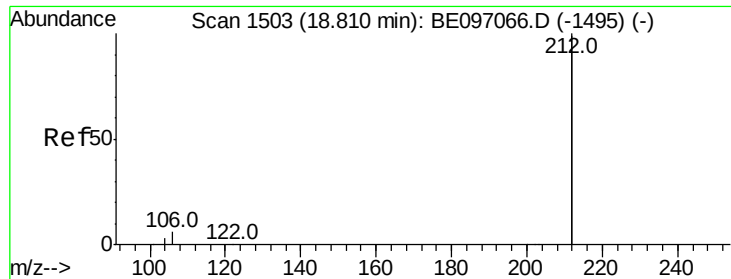


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.490 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

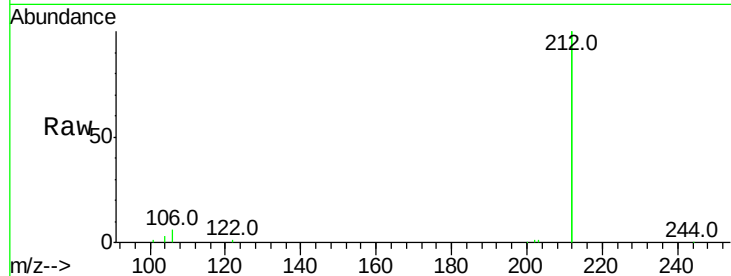
Tot Ion:212 Resp: 48065

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

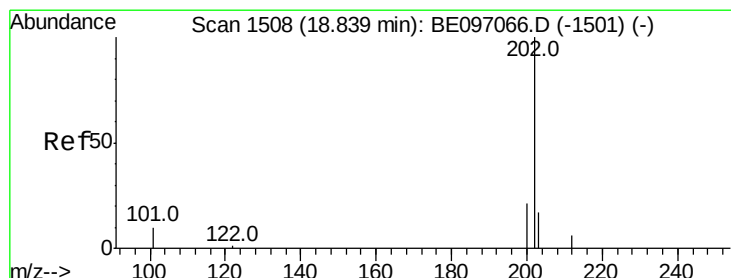
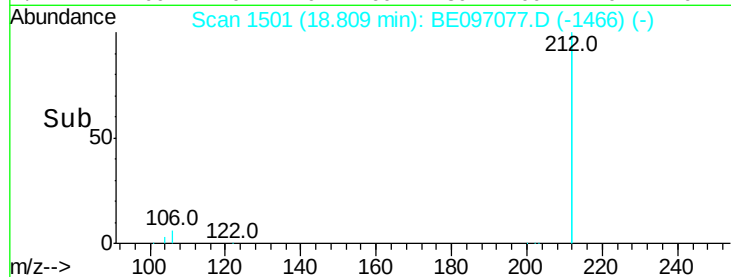
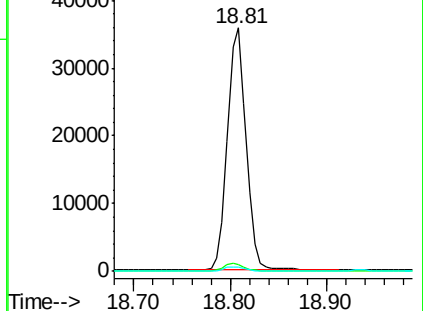
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.492 ng

RT: 18.84 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

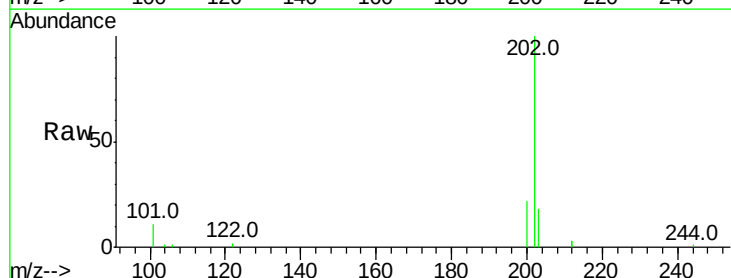
Tgt Ion:202 Resp: 12873

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

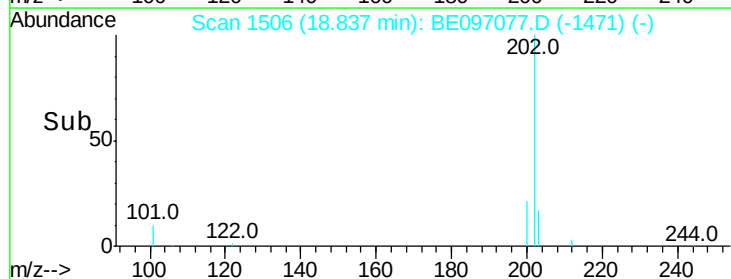
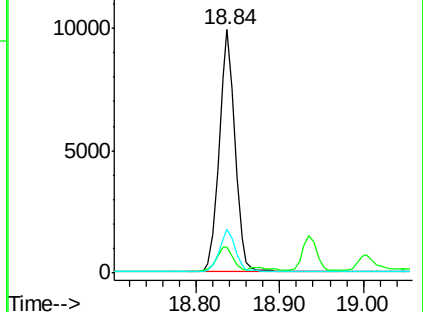
203 17.1 13.7 20.5

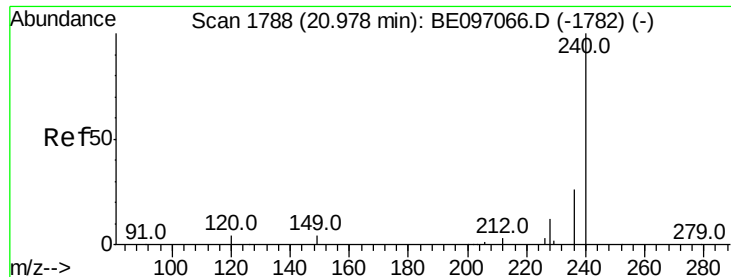


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

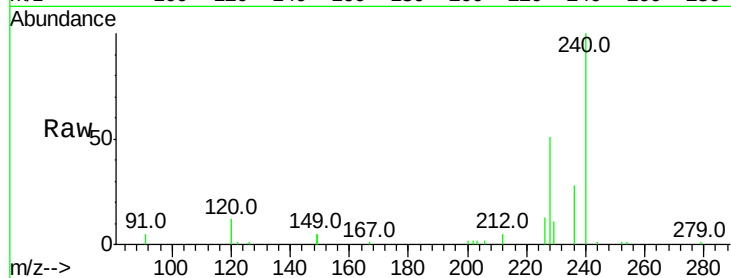
Tot Ion:240 Resp: 12118

Ion Ratio Lower Upper

240 100

120 12.4 5.5 8.3#

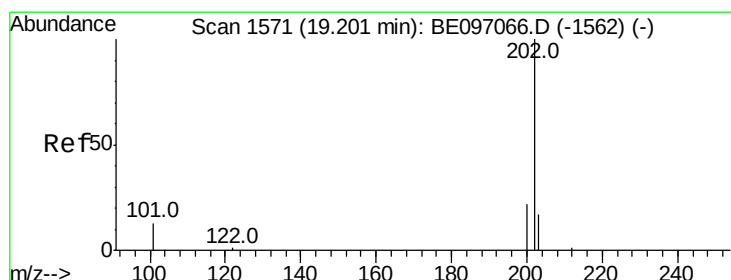
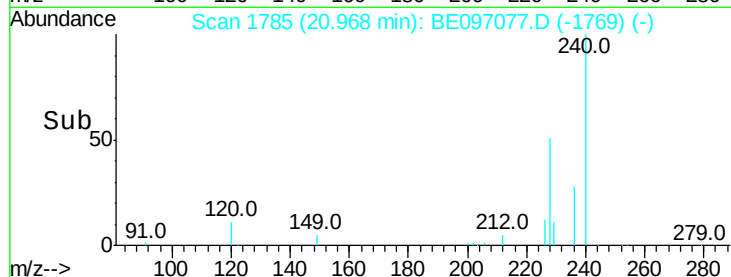
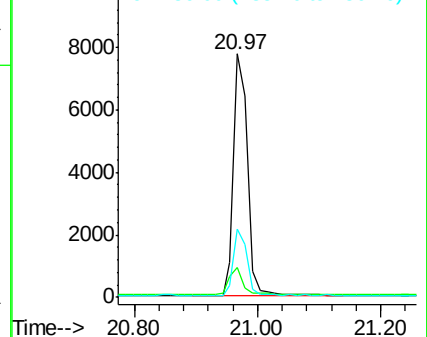
236 28.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.405 ng

RT: 19.20 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

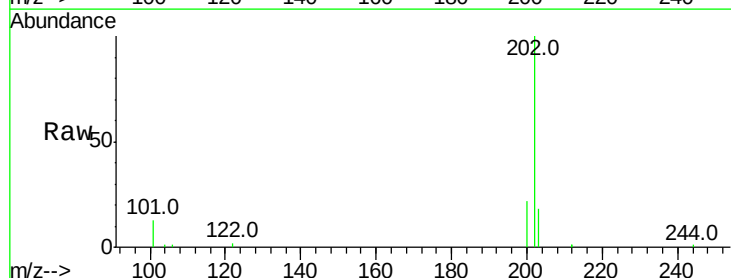
Tgt Ion:202 Resp: 13468

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

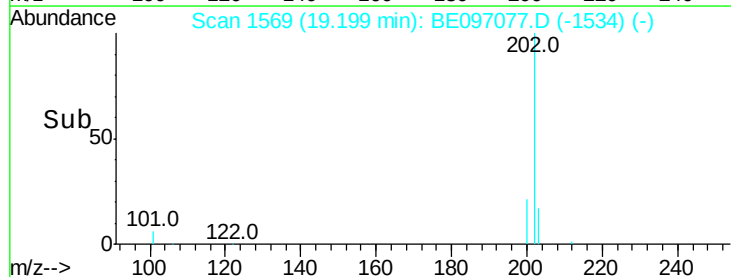
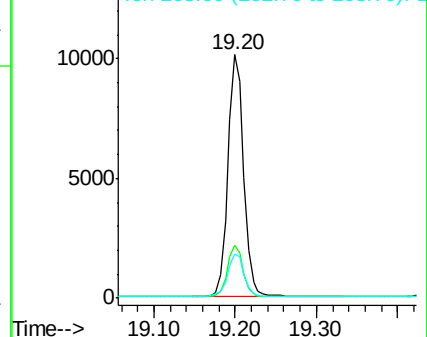
203 18.1 13.8 20.8

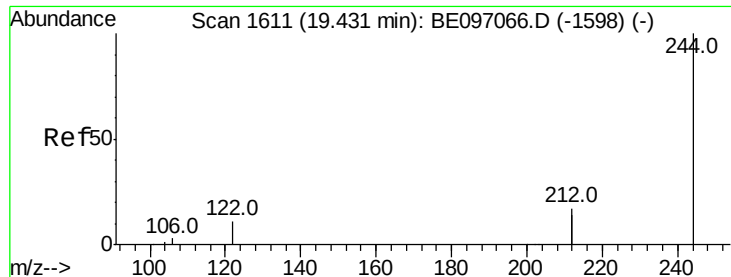


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.429 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

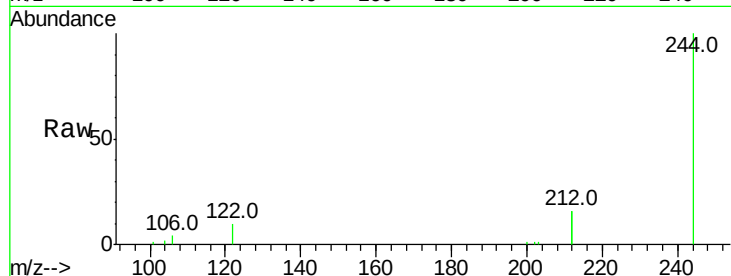
Tot Ion:244 Resp: 9980

Ion Ratio Lower Upper

244 100

212 32.5 25.4 38.0

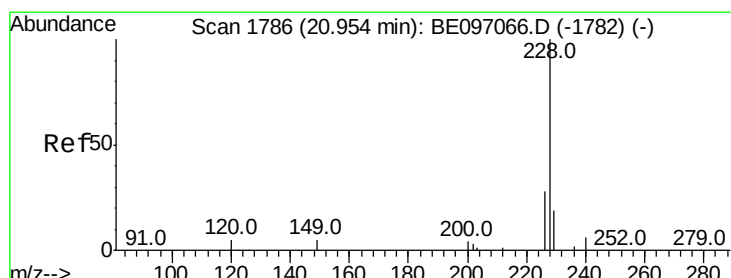
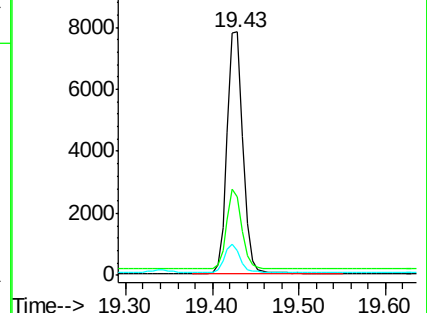
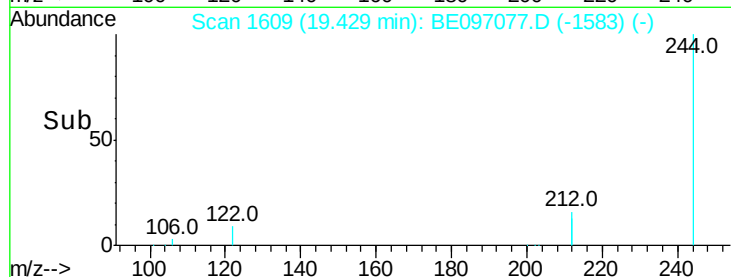
122 10.4 8.1 12.1



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: 0.429 ng

RT: 20.96 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

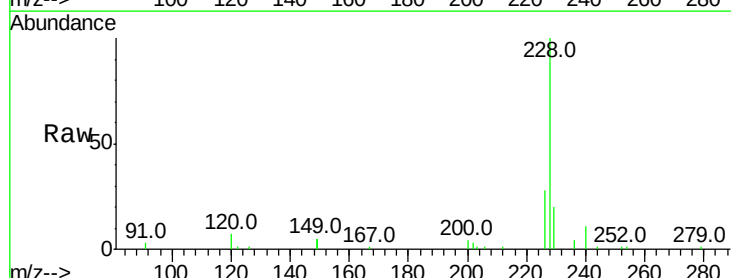
Tgt Ion:228 Resp: 12922

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

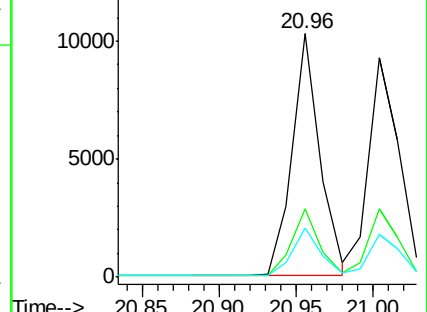
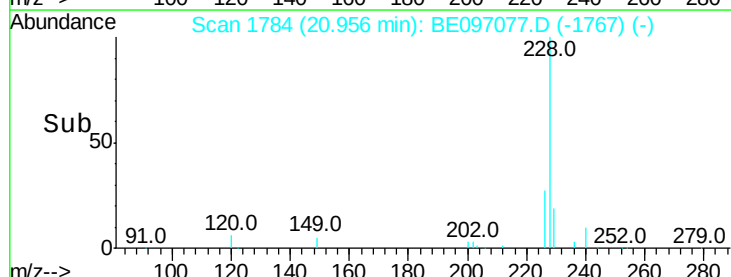
229 19.9 16.0 24.0

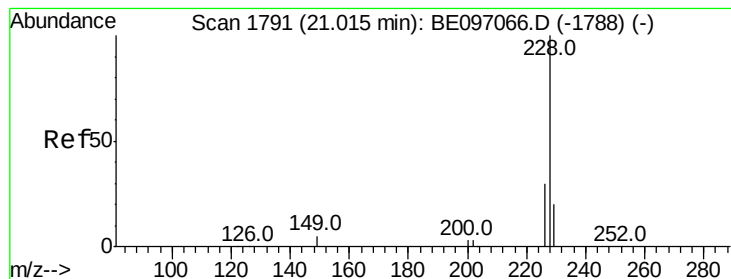


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.391 ng

RT: 21.00 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

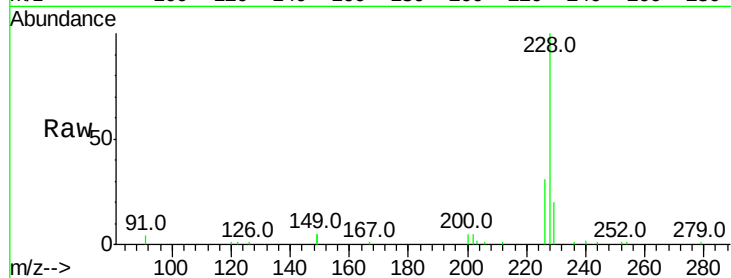
Tot Ion:228 Resp: 12652

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

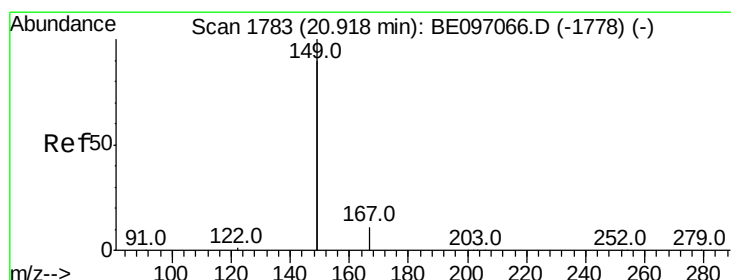
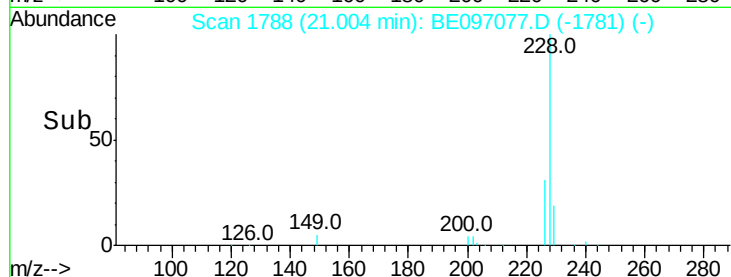
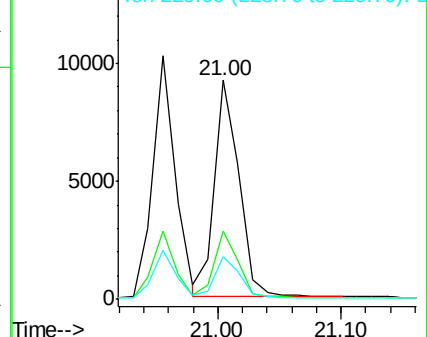
229 19.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.001 ng

RT: 20.92 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

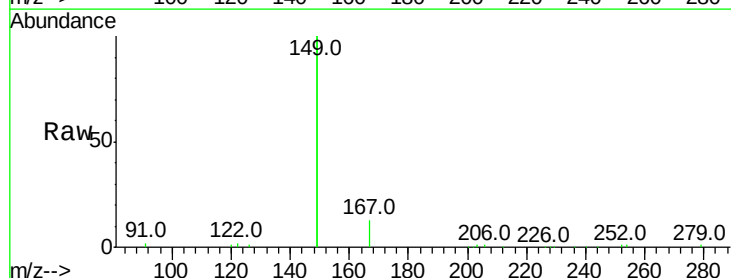
Tgt Ion:149 Resp: 34824

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

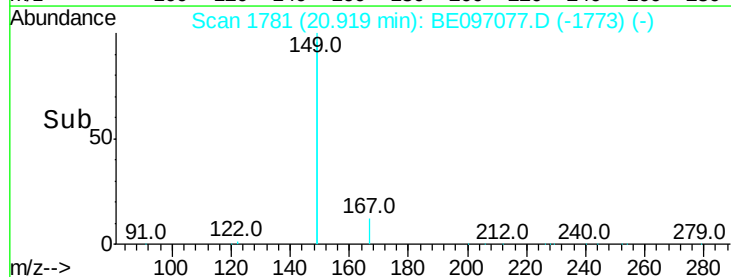
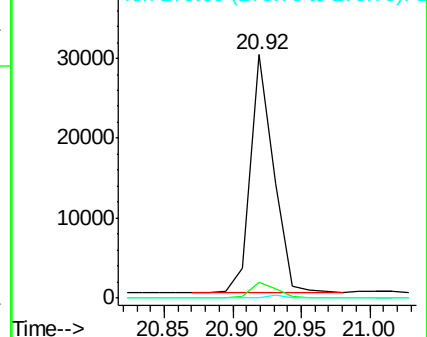
279 0.9 0.7 1.1

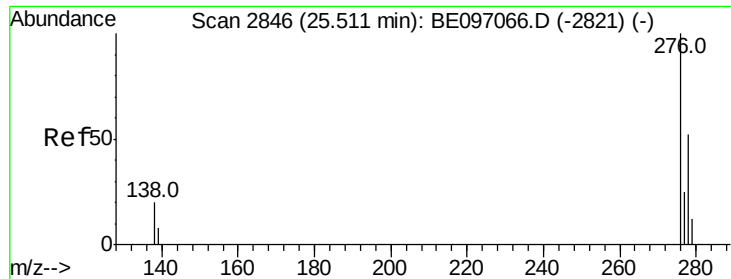


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.427 ng

RT: 25.50 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

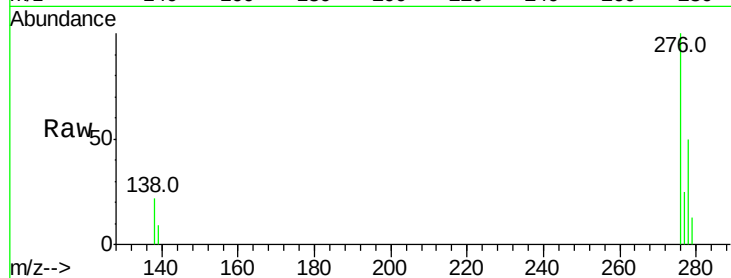
Tot Ion:276 Resp: 12499

Ion Ratio Lower Upper

276 100

138 22.3 22.5 33.7#

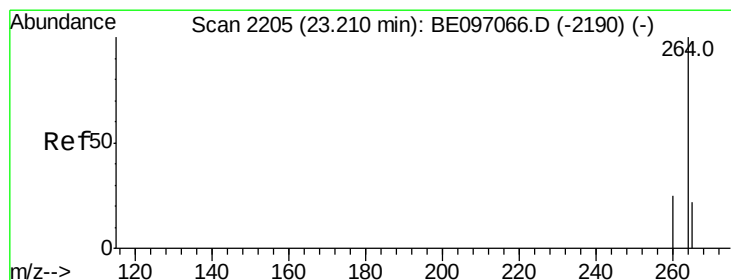
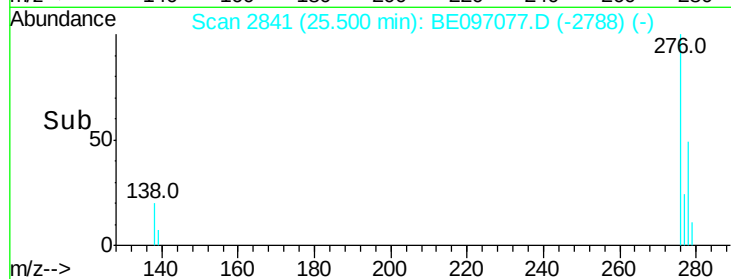
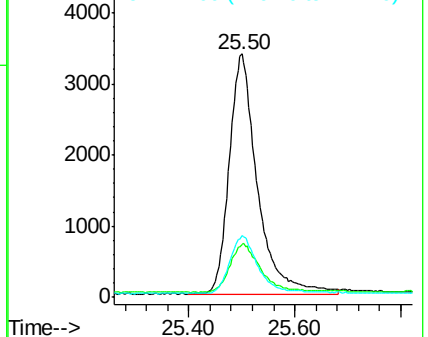
277 24.3 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

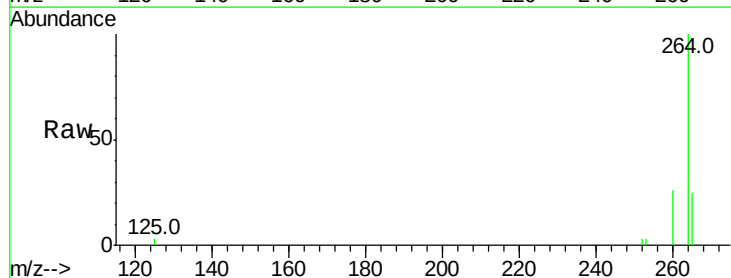
Tgt Ion:264 Resp: 11280

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

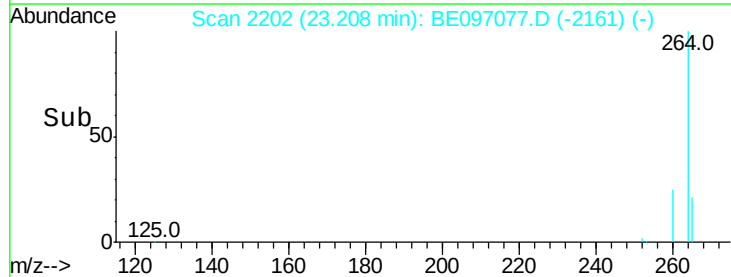
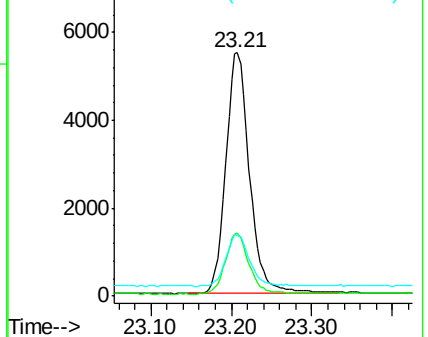
265 24.9 22.8 34.2

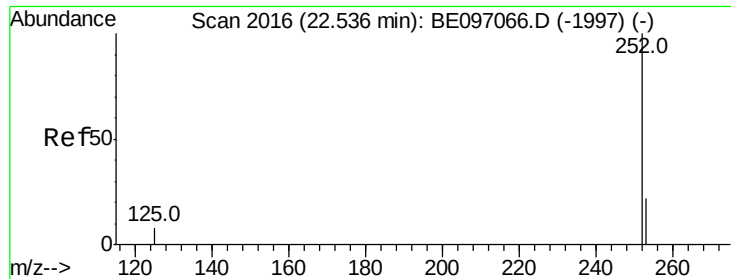


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.413 ng

RT: 22.53 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

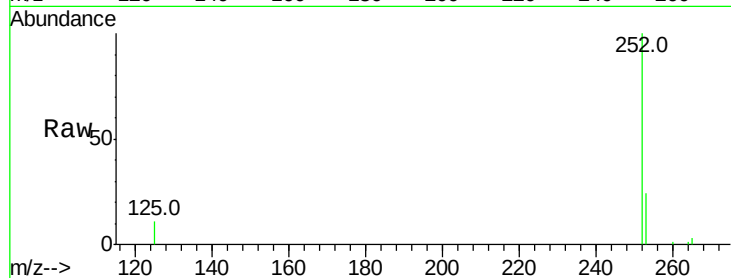
Tot Ion:252 Resp: 11833

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

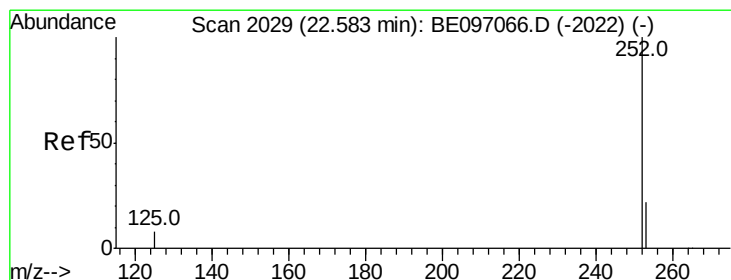
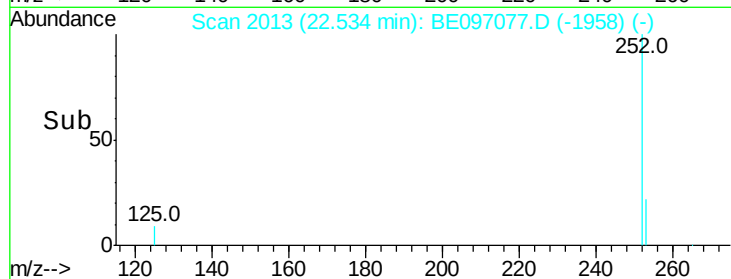
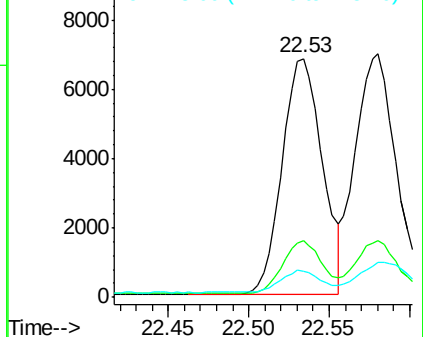
125 11.0 16.0 24.0#



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: 0.354 ng

RT: 22.53 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

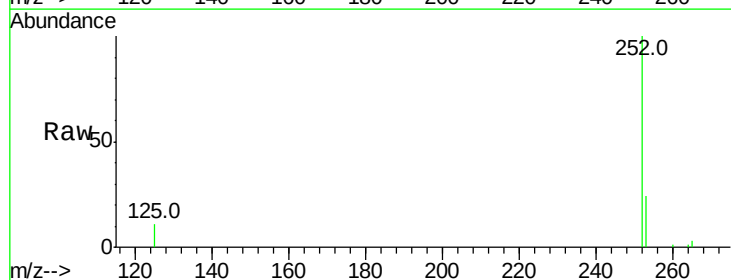
Tgt Ion:252 Resp: 11833

Ion Ratio Lower Upper

252 100

253 23.9 16.0 24.0

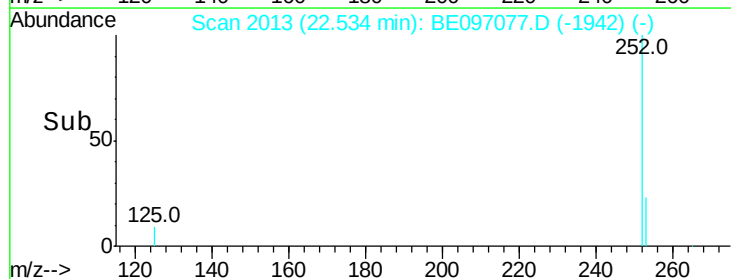
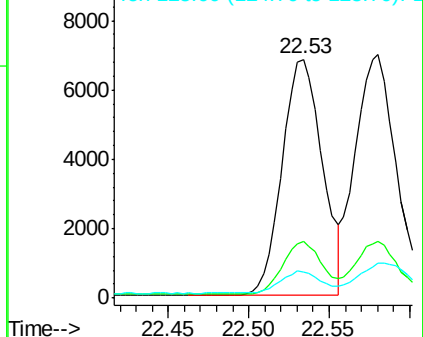
125 11.0 8.0 12.0

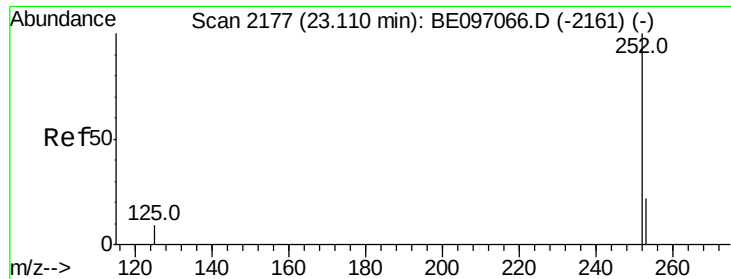


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.428 ng

RT: 23.11 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD

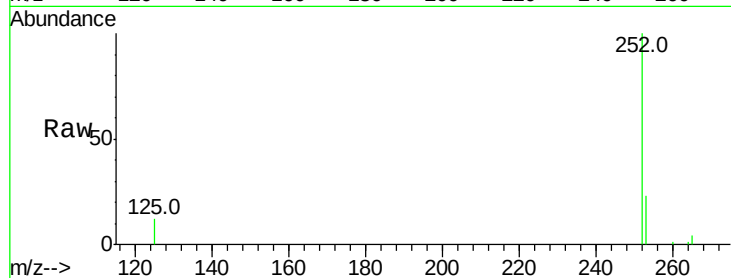
Tot Ion:252 Resp: 11510

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

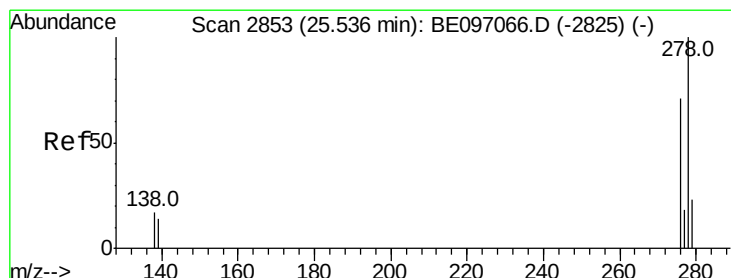
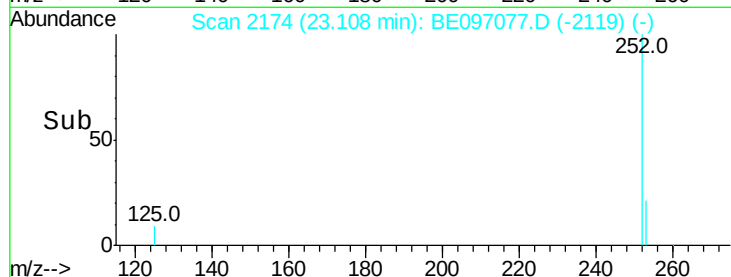
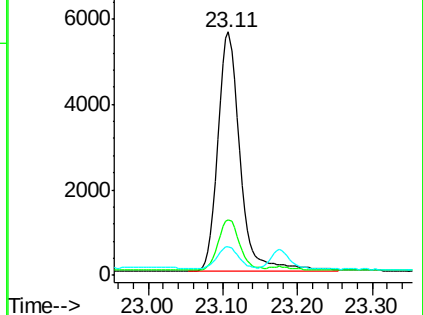
125 11.9 12.0 18.0#



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: 0.388 ng

RT: 25.52 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

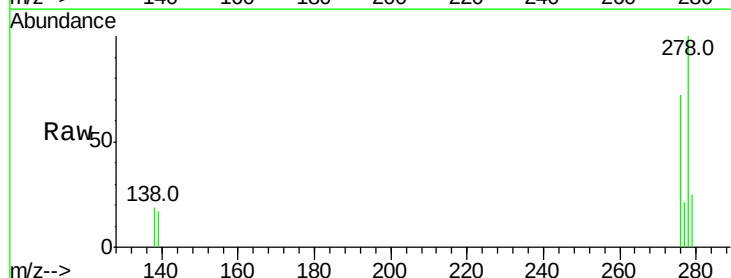
Tgt Ion:278 Resp: 10421

Ion Ratio Lower Upper

278 100

139 17.3 16.0 24.0

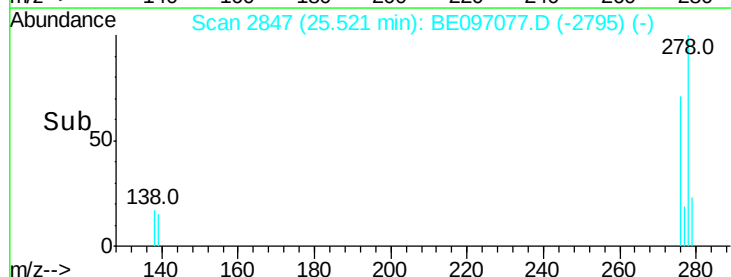
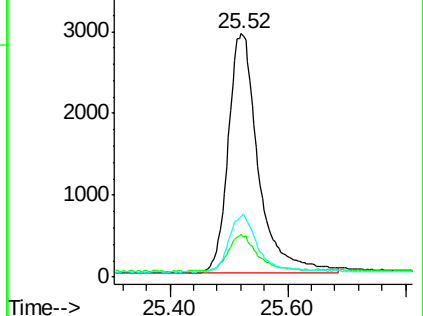
279 24.9 20.0 30.0

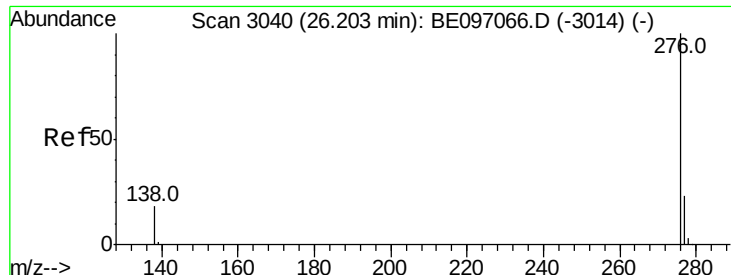


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.381 ng

RT: 26.20 min Scan# 3036

Delta R.T. -0.01 min

Lab File: BE097077.D

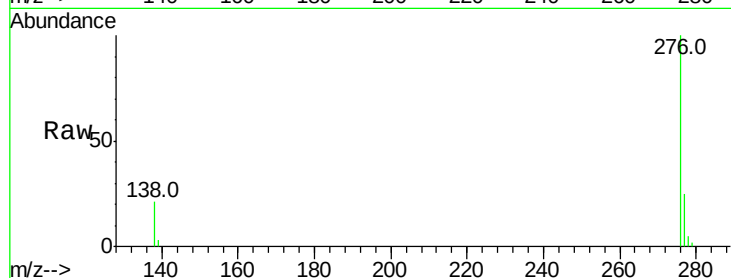
Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818MSD



Tot Ion: 276 Resp: 10866

Ion Ratio Lower Upper

276 100

277 24.8 16.0 24.0#

138 21.0 20.0 30.0

