

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097075.D
 Acq On : 24 Jul 2018 17:13
 Operator : SJ/JU
 Sample : J4073-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D3-071818

Quant Time: Jul 25 00:37:38 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	1129	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5521	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3512	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10496	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10666	0.40	ng	0.00
34) Perylene-d12	23.21	264	10046	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	410	0.13	ng	0.00
5) Phenol-d6	6.60	99	368	0.08	ng	0.00
8) Nitrobenzene-d5	8.52	82	1921	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3185	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	364	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5525	0.46	ng	0.00
25) Fluoranthene-d10	18.81	212	47588	0.45	ng	0.00
29) Terphenyl-d14	19.43	244	8031	0.39	ng	0.00

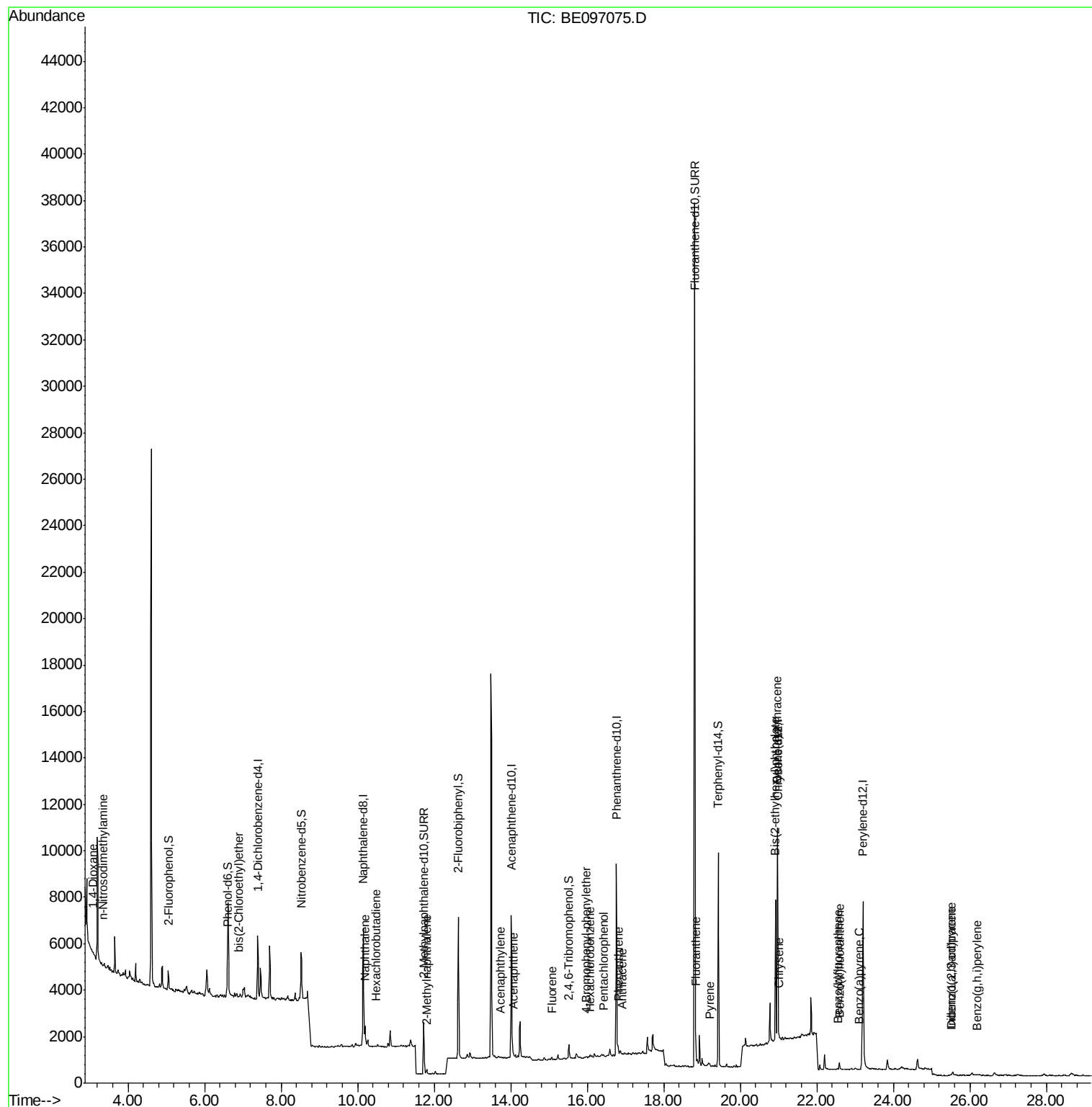
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	37	0.021	ng	# 55
3) n-Nitrosodimethylamine	3.35	42	59	0.029	ng	# 1
6) bis(2-Chloroethyl)ether	6.88	93	12	0.003	ng	# 1
9) Naphthalene	10.20	128	1535	0.031	ng	# 88
10) Hexachlorobutadiene	10.48	225	3	0.001	ng	# 1
12) 2-Methylnaphthalene	11.81	142	157	0.018	ng	# 84
16) Acenaphthylene	13.74	152	25	0.002	ng	# 1
17) Acenaphthene	14.07	154	30	0.003	ng	# 10
18) Fluorene	15.08	166	80	0.007	ng	# 82
20) 4-Bromophenyl-phenylether	15.97	248	4	0.001	ng	# 24
21) Hexachlorobenzene	16.07	284	6	0.001	ng	# 26
22) Pentachlorophenol	16.43	266	31	0.059	ng	# 96
23) Phenanthrene	16.81	178	413	0.017	ng	# 82
24) Anthracene	16.91	178	55	0.002	ng	# 62
26) Fluoranthene	18.84	202	120	0.004	ng	# 84
28) Pyrene	19.20	202	113	0.004	ng	# 84
30) Benzo(a)anthracene	20.97	228	65	0.002	ng	# 7
31) Chrysene	21.00	228	42	0.001	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.92	149	7643	0.275	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	31	0.001	ng	# 54
35) Benzo(b)fluoranthene	22.54	252	70	0.003	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	69	0.002	ng	# 1
37) Benzo(a)pyrene	23.11	252	21	0.001	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	21	0.001	ng	# 1
39) Benzo(g,h,i)perylene	26.20	276	28	0.001	ng	# 1

(#) = 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: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

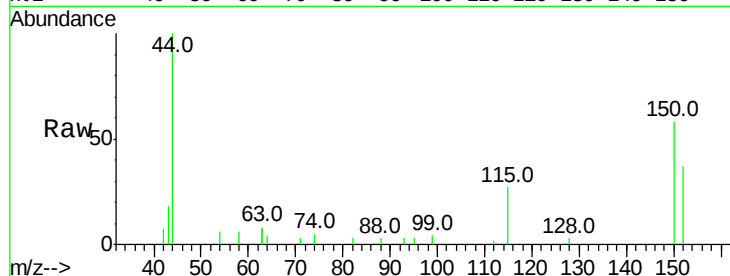
Tot Ion:152 Resp: 1129

Ion Ratio Lower Upper

152 100

150 156.4 117.2 175.8

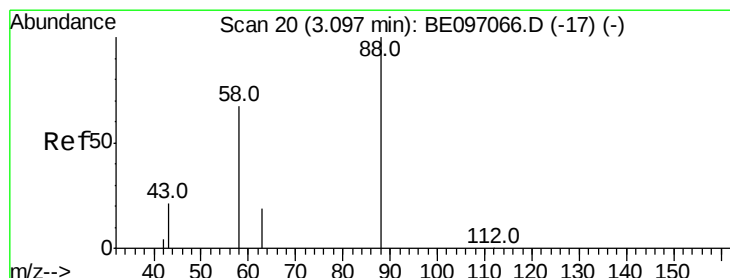
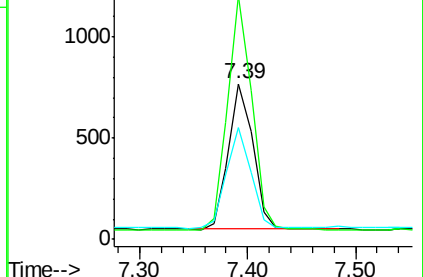
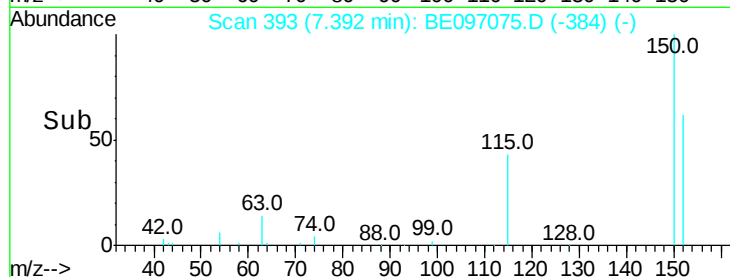
115 72.2 57.0 85.6



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: 0.021 ng

RT: 3.08 min Scan# 19

Delta R.T. -0.01 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

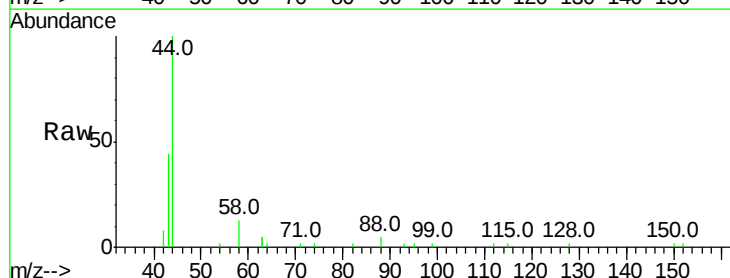
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

58 102.7 63.2 94.8#

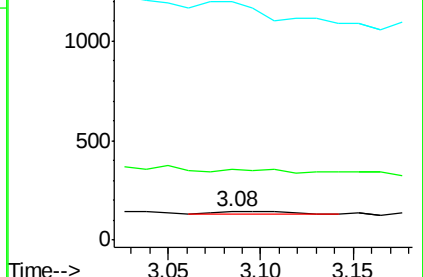
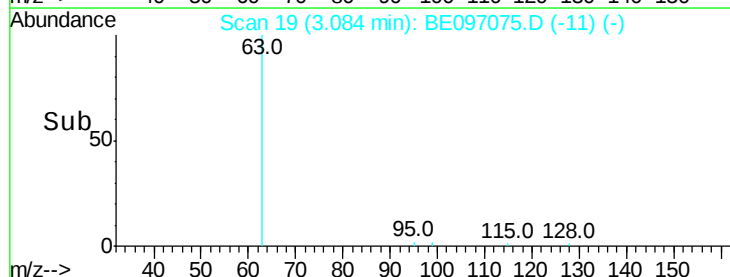
43 0.0 41.2 61.8#



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: 0.029 ng

RT: 3.35 min Scan# 42

Delta R.T. -0.04 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

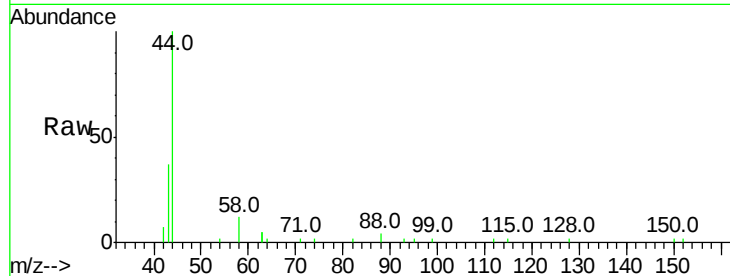
Tot Ion: 42 Resp: 59

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

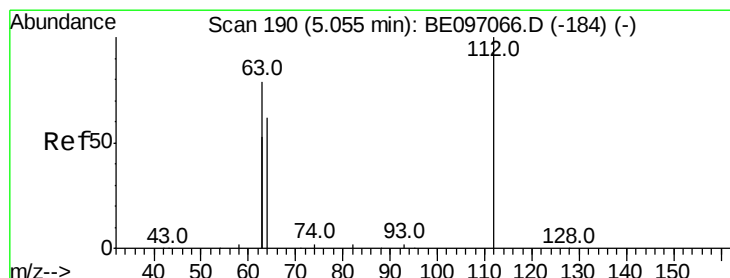
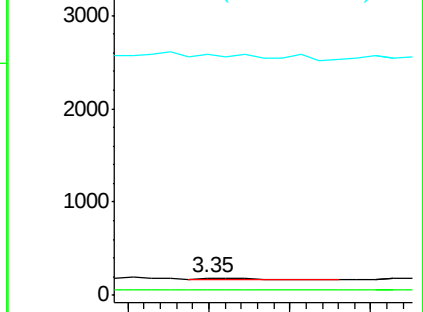
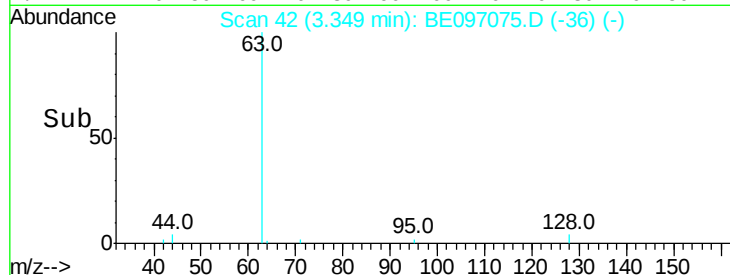
44 0.0 12.0 18.0#



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: 0.129 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

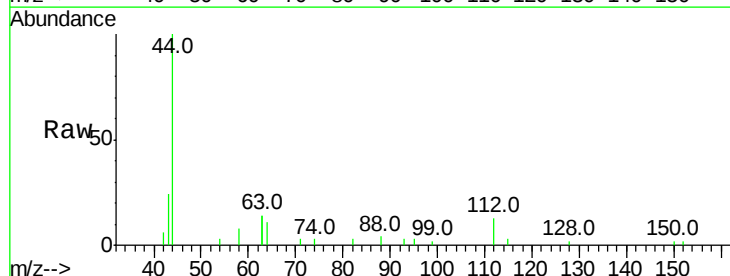
Tgt Ion: 112 Resp: 410

Ion Ratio Lower Upper

112 100

64 75.9 60.1 90.1

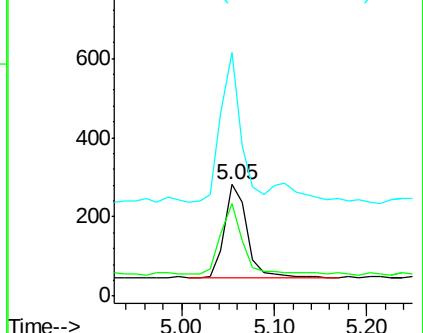
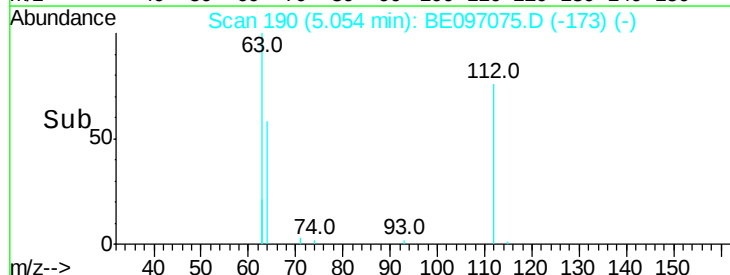
63 143.7 116.8 175.2

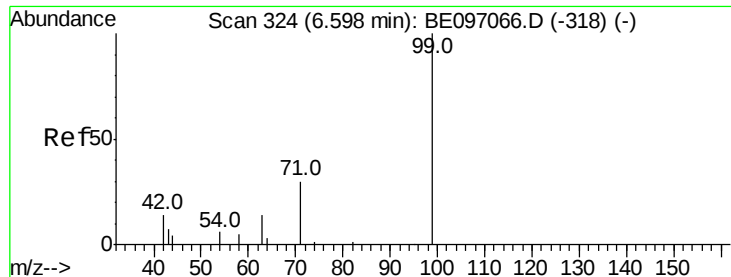


Abundance Ion 112.00 (111.70 to 112.70): E

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: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

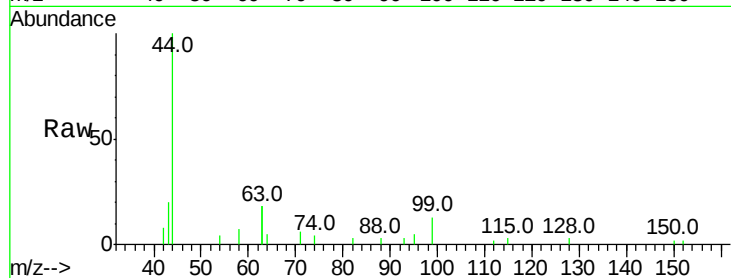
Tot Ion: 99 Resp: 368

Ion Ratio Lower Upper

99 100

42 72.0 20.2 30.2#

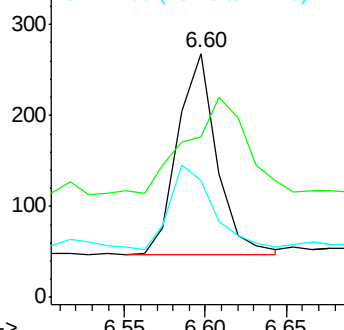
71 0.0 28.4 42.6#



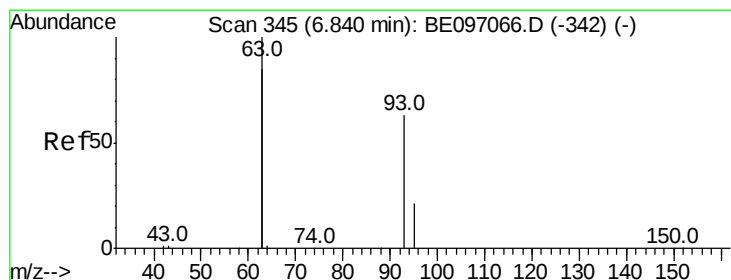
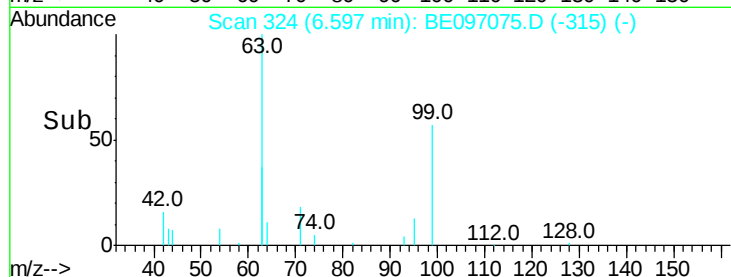
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 6.88 min Scan# 349

Delta R.T. 0.04 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

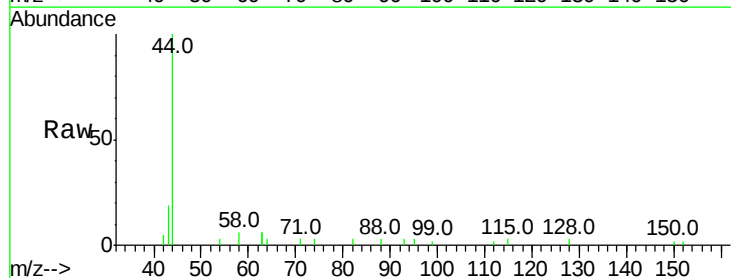
Tgt Ion: 93 Resp: 12

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

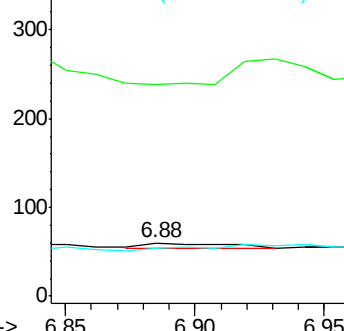
95 0.0 25.2 37.8#



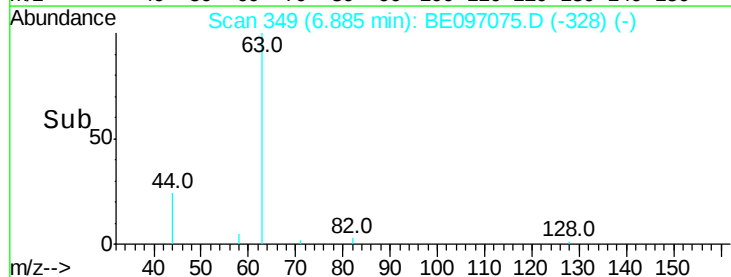
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

Tot Ion:136 Resp: 5521

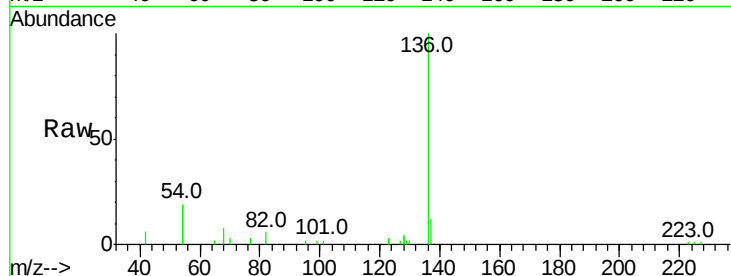
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 38.0 29.1 43.7

68 8.1 6.2 9.2

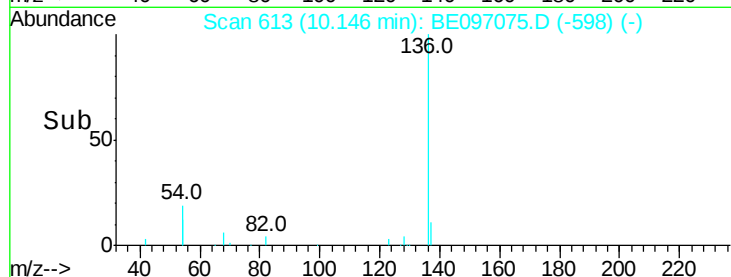


Abundance Ion 136.00 (135.70 to 136.70): E

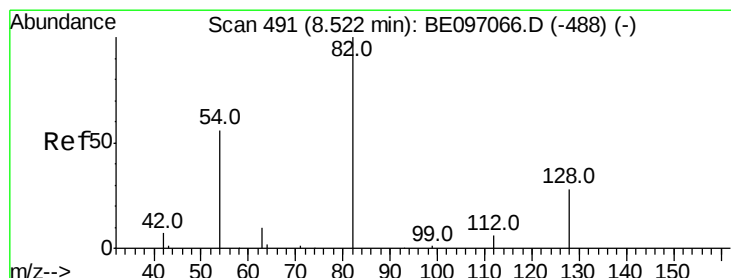
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.401 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

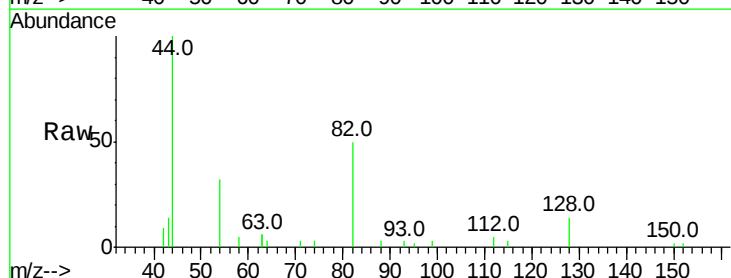
Tgt Ion: 82 Resp: 1921

Ion Ratio Lower Upper

82 100

128 27.7 24.0 36.0

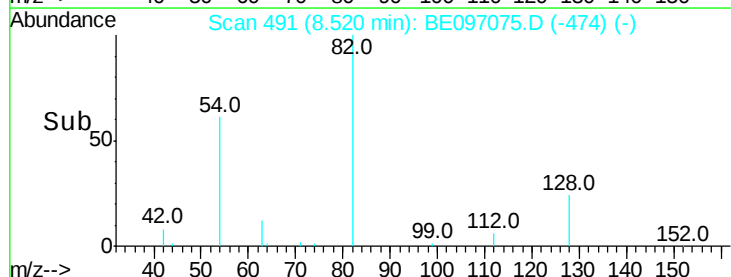
54 63.4 40.0 60.0#



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



Time-->



#9

Naphthalene

Concen: 0.031 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

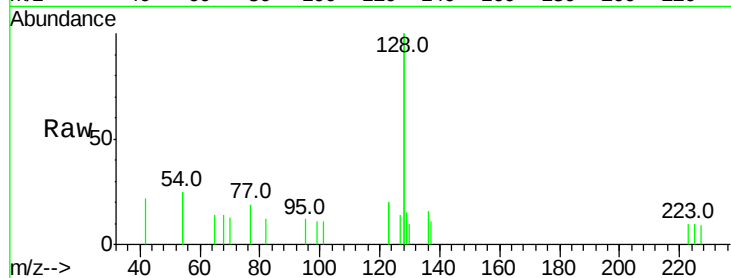
Tot Ion:128 Resp: 1535

Ion Ratio Lower Upper

128 100

129 7.3 2.6 3.8#

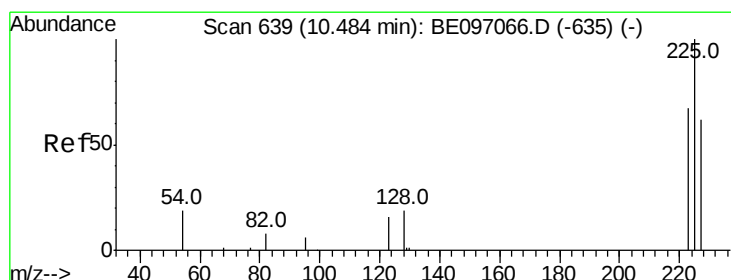
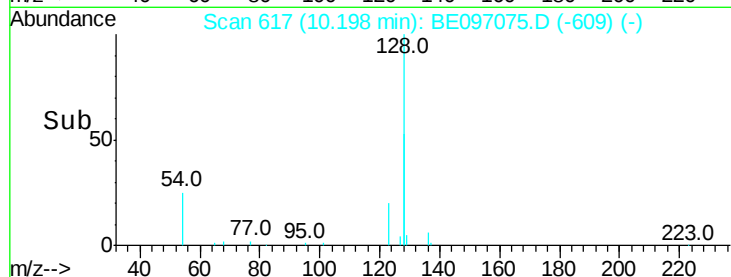
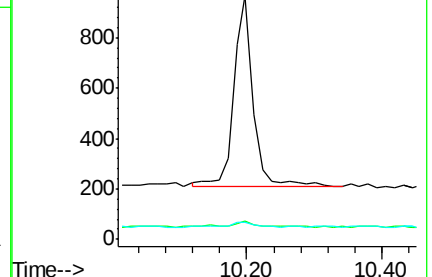
127 7.0 2.8 4.2#



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: 0.001 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

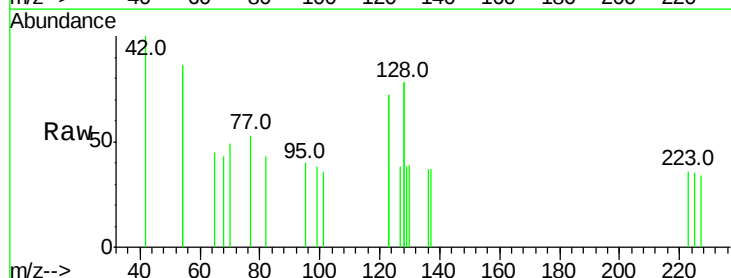
Tgt Ion:225 Resp: 3

Ion Ratio Lower Upper

225 100

223 200.0 53.0 79.6#

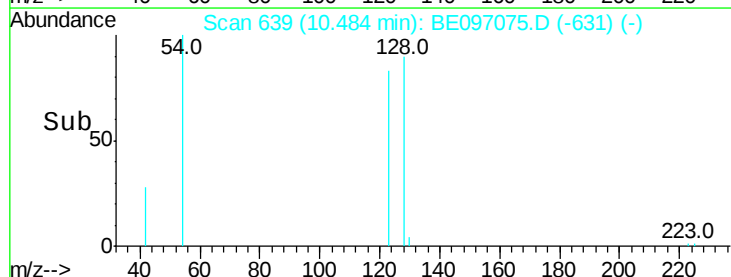
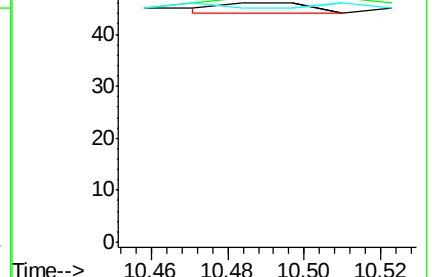
227 33.3 51.4 77.2#



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

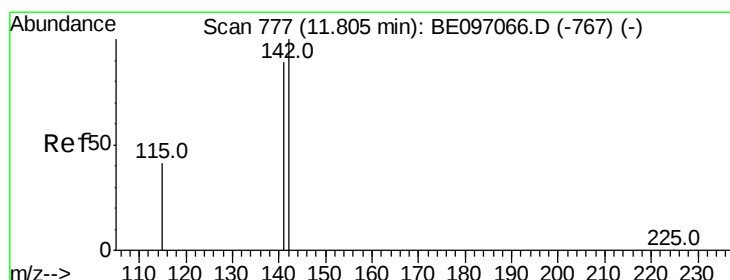
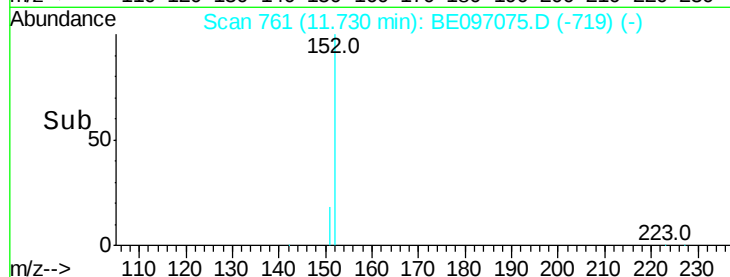
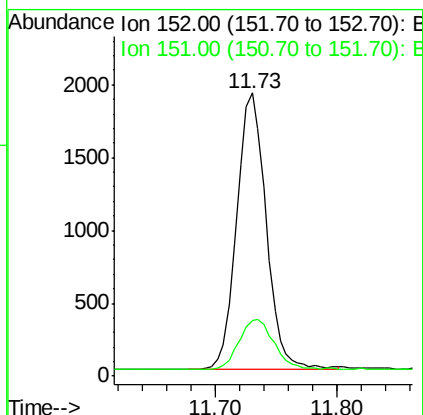
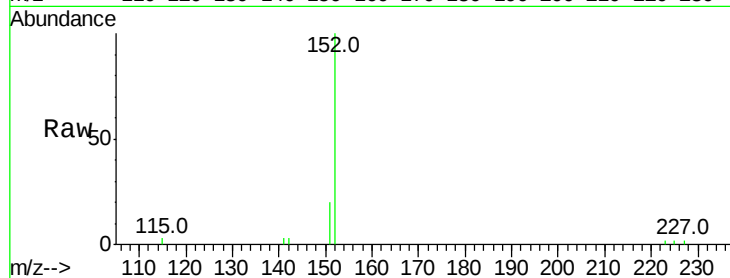




#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097075.D
Acq: 24 Jul 2018 17:13

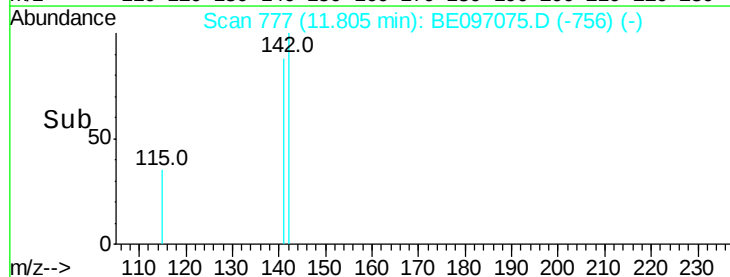
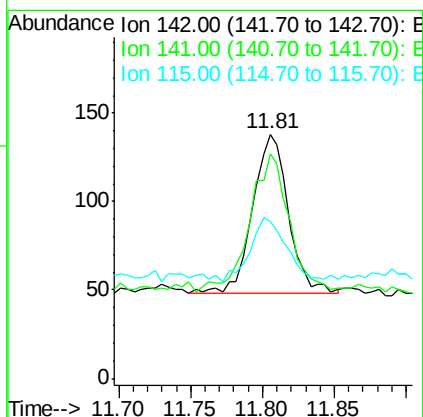
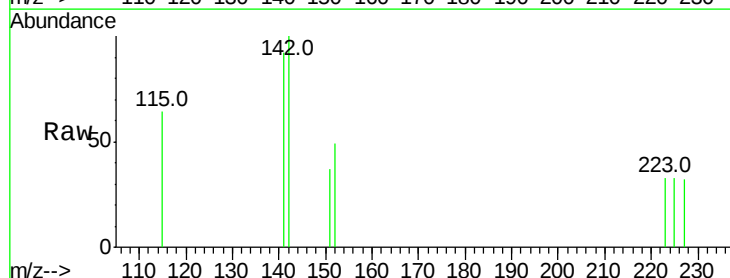
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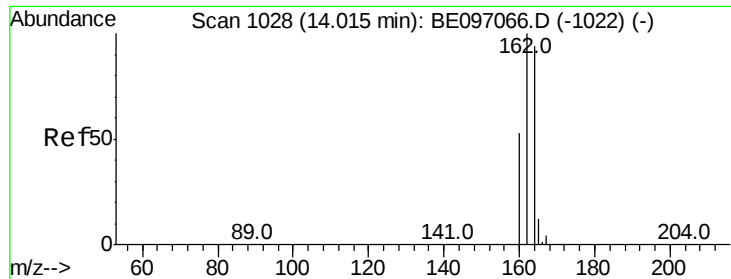
Tot Ion:152 Resp: 3185
Ion Ratio Lower Upper
152 100
151 21.3 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.018 ng
RT: 11.81 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097075.D
Acq: 24 Jul 2018 17:13

Tgt Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
141 92.0 70.4 105.6
115 64.5 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: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

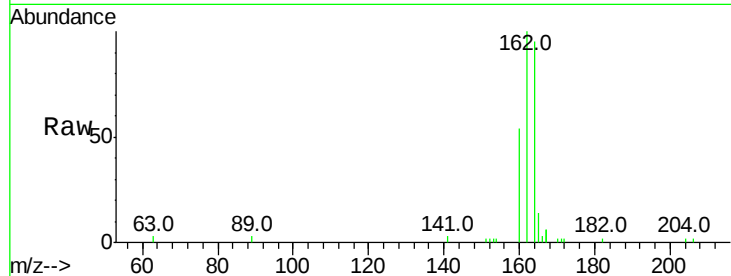
Tot Ion:164 Resp: 3512

Ion Ratio Lower Upper

164 100

162 105.4 83.1 124.7

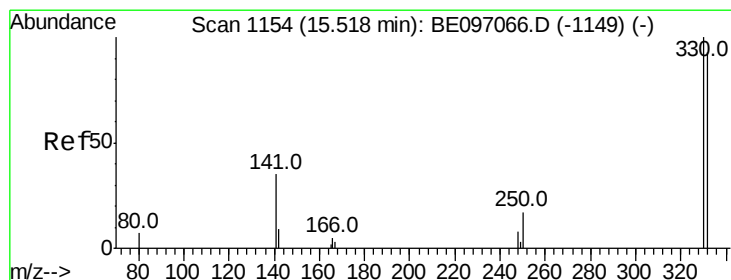
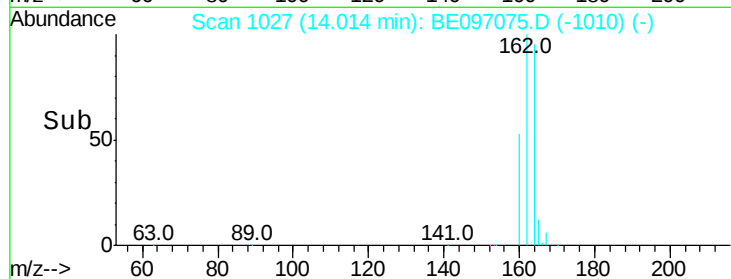
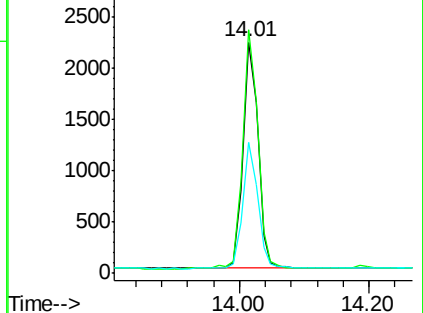
160 56.7 37.1 55.7#



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: 0.315 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

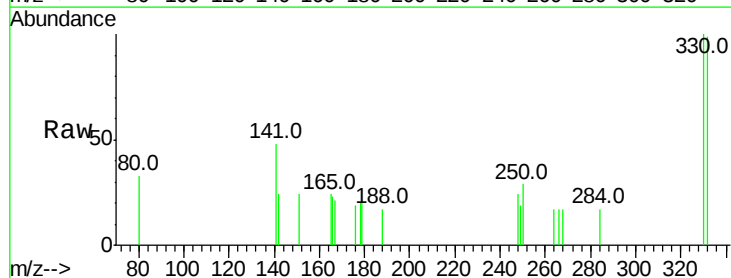
Tgt Ion:330 Resp: 364

Ion Ratio Lower Upper

330 100

332 97.0 152.7 229.1#

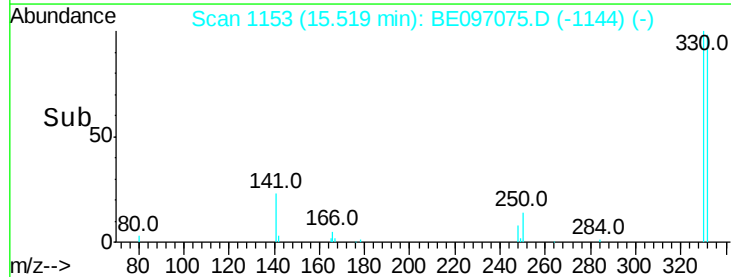
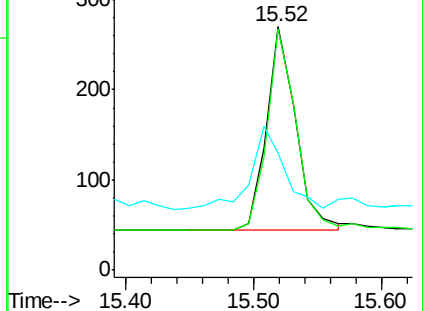
141 47.0 33.7 50.5

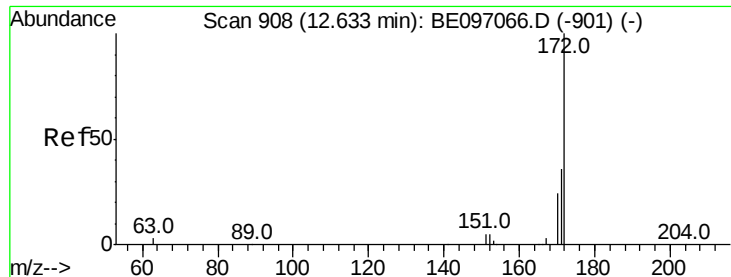


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

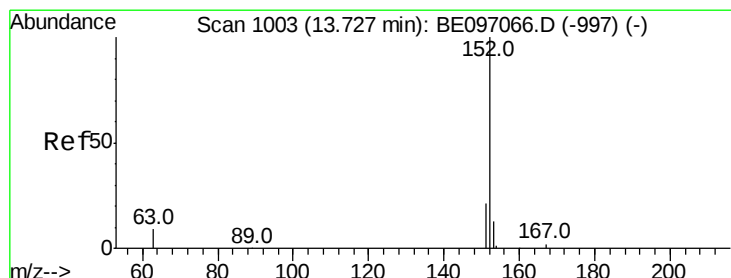
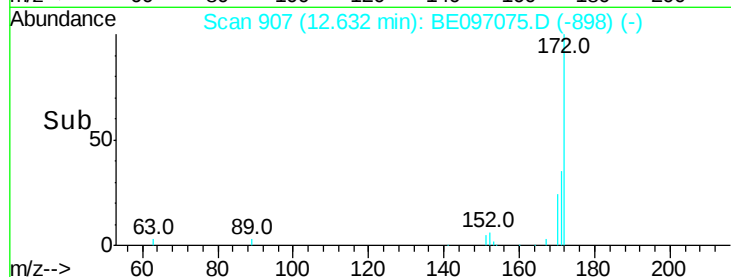
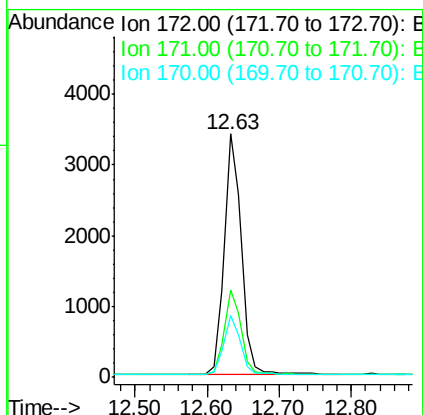
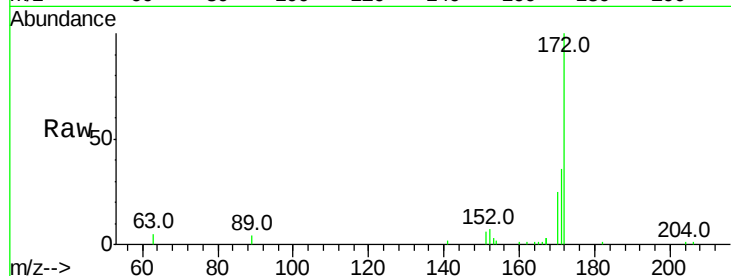




#15
2-Fluorobiphenyl
Concen: 0.455 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097075.D
Acq: 24 Jul 2018 17:13

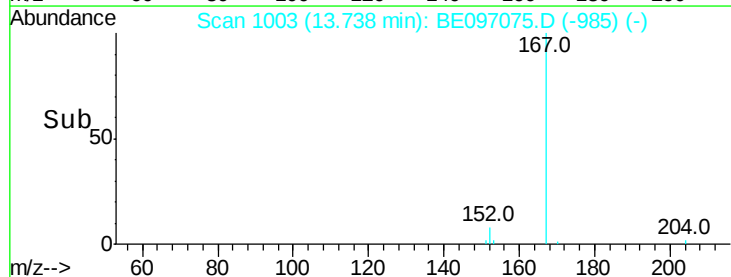
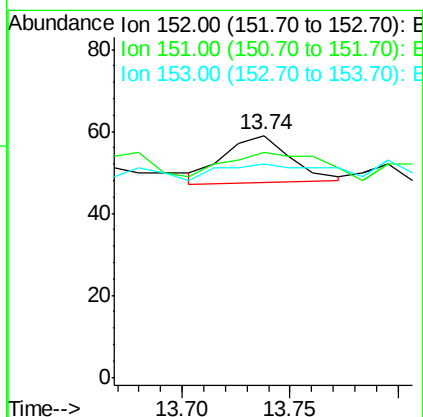
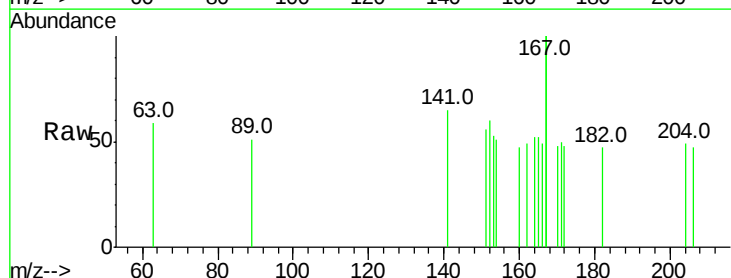
Instrument :
BNA_E
ClientSampleId :
RE123D3-071818

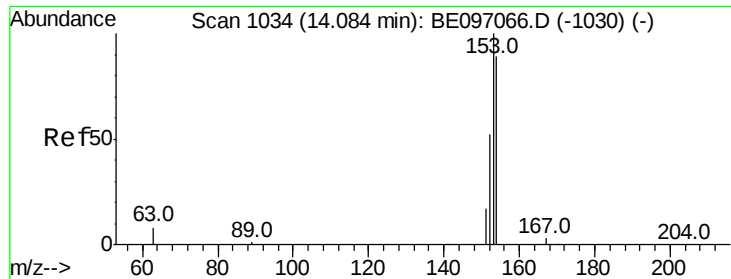
Tot Ion:172 Resp: 5525
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 25.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.002 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097075.D
Acq: 24 Jul 2018 17:13

Tgt Ion:152 Resp: 25
Ion Ratio Lower Upper
152 100
151 84.0 15.7 23.5#
153 56.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.003 ng

RT: 14.07 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

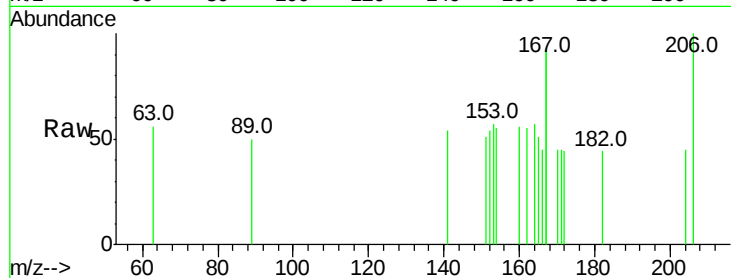
Tot Ion:154 Resp: 30

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

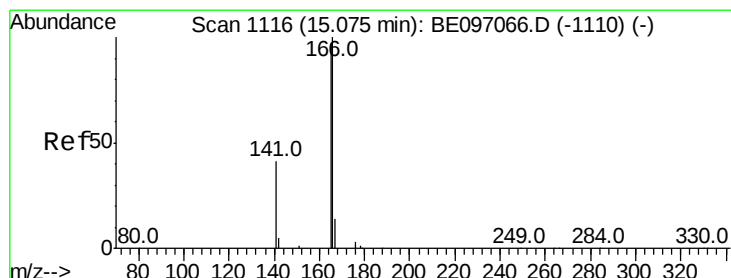
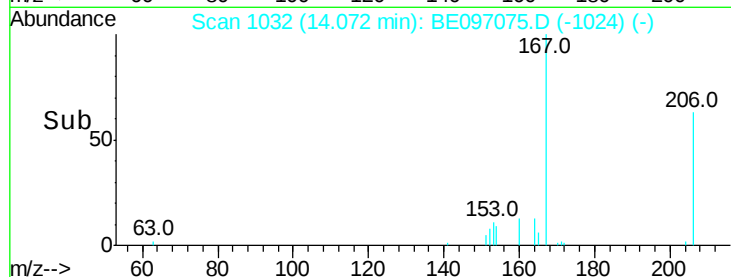
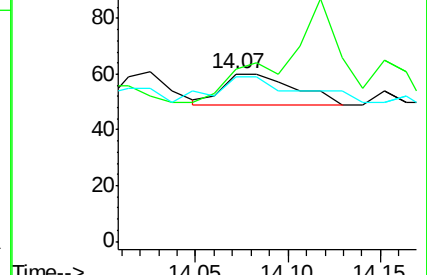
152 93.3 42.0 63.0#



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: 0.007 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

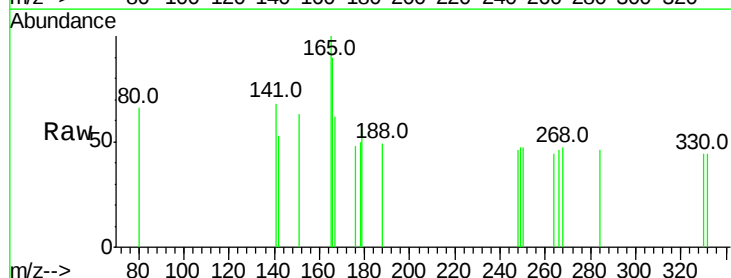
Tgt Ion:166 Resp: 80

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

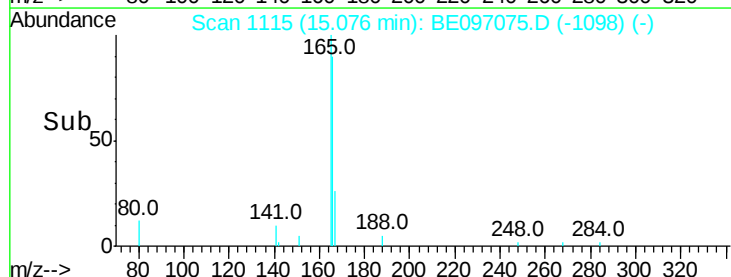
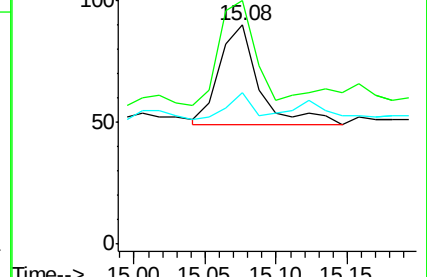
167 18.8 42.4 63.6#

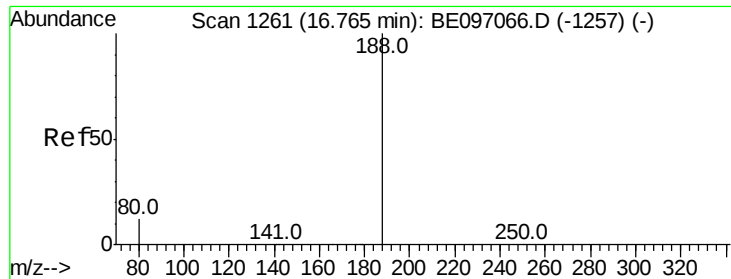


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

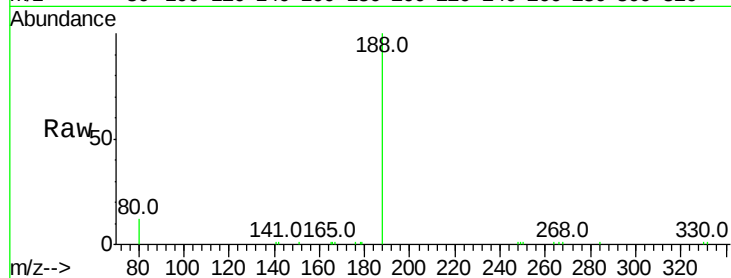
Tot Ion:188 Resp: 10496

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

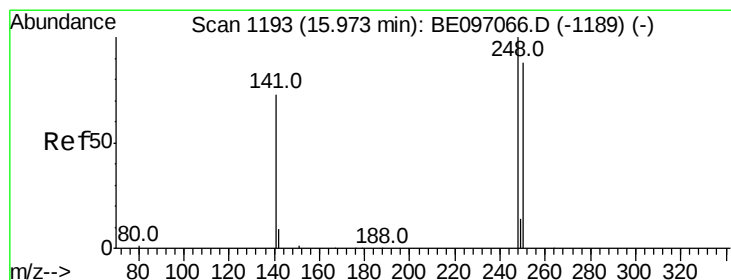
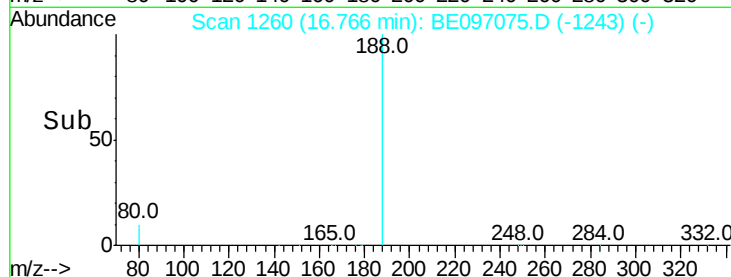
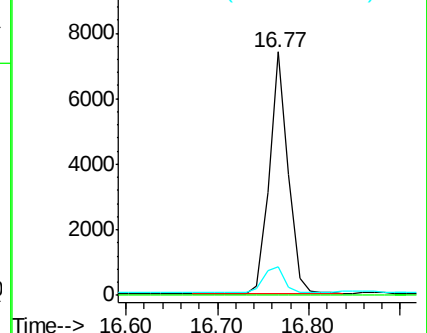
80 11.5 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.001 ng

RT: 15.97 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

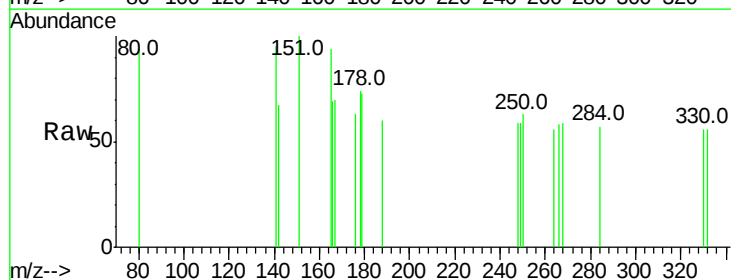
Tgt Ion:248 Resp: 4

Ion Ratio Lower Upper

248 100

250 106.3 62.7 94.1#

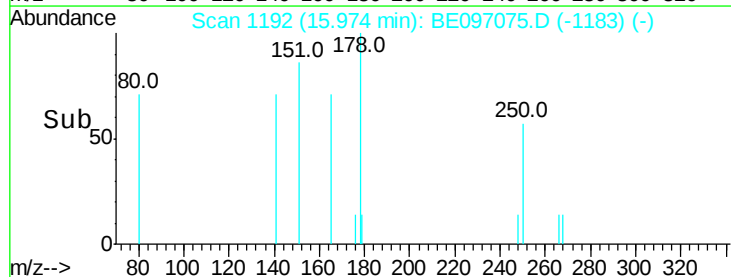
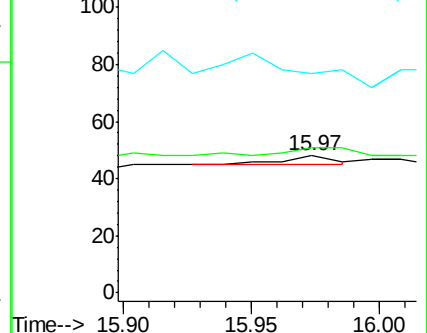
141 160.4 48.2 72.2#



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: 0.001 ng

RT: 16.07 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

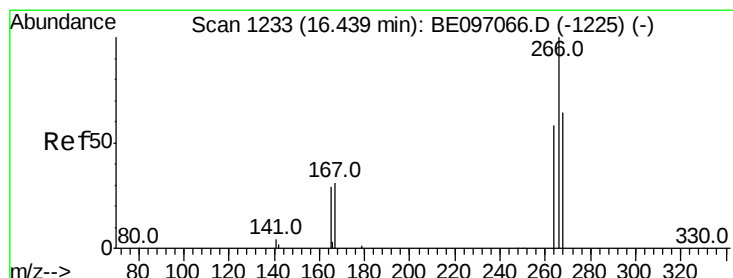
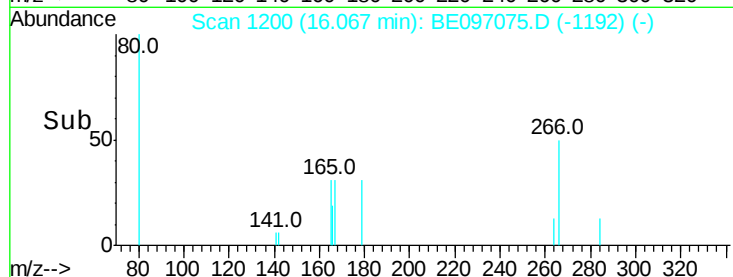
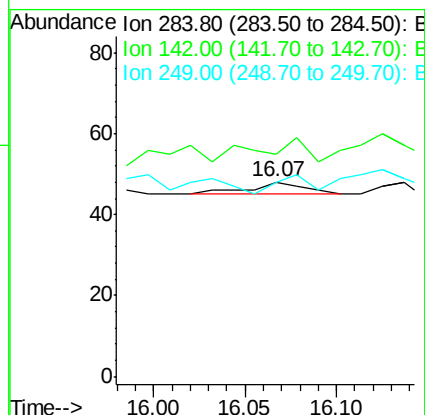
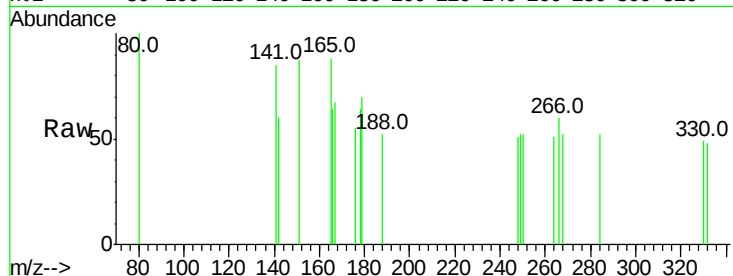
Tot Ion:284 Resp: 6

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 100.0 34.8 52.2#



#22

Pentachlorophenol

Concen: 0.059 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

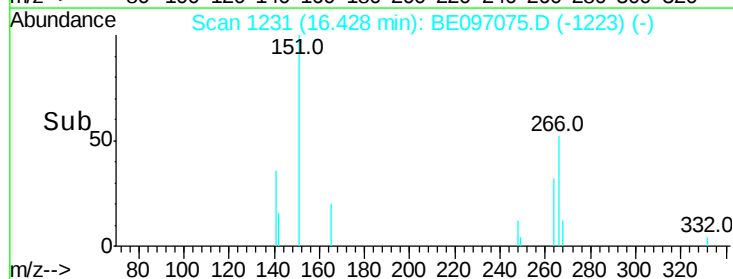
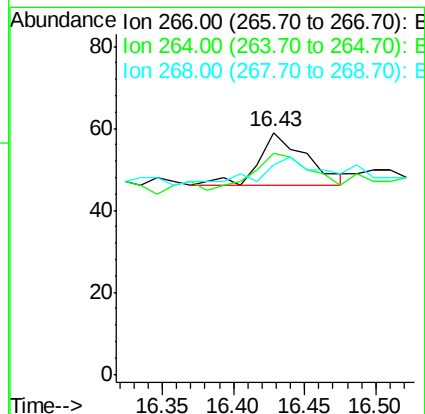
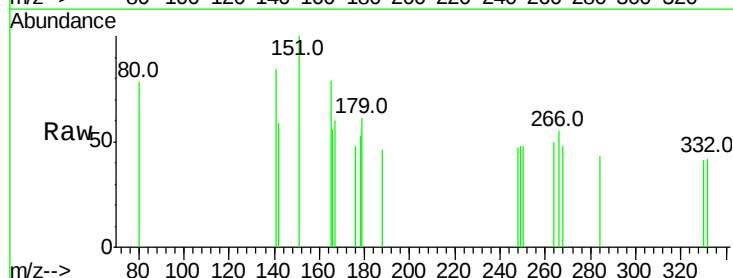
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 91.5 72.5 108.7

268 86.4 73.8 110.6





#23

Phenanthrene

Concen: 0.017 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

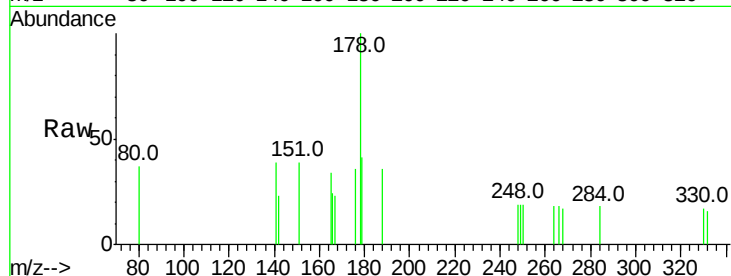
Tot Ion:178 Resp: 413

Ion Ratio Lower Upper

178 100

176 22.0 15.1 22.7

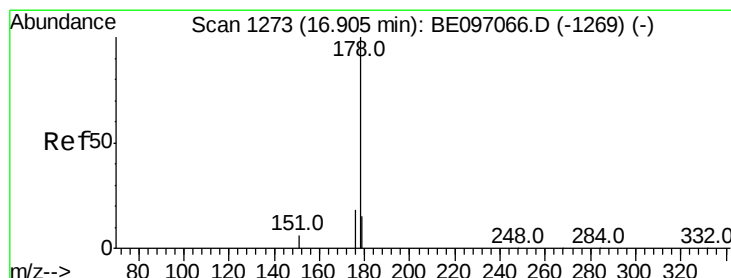
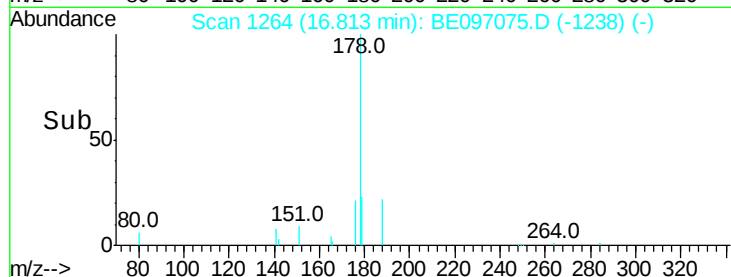
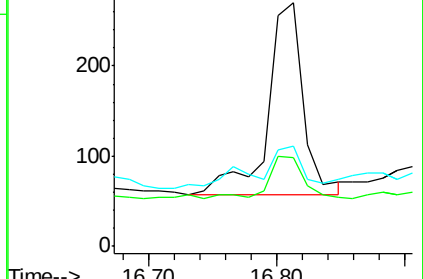
179 28.3 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.002 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

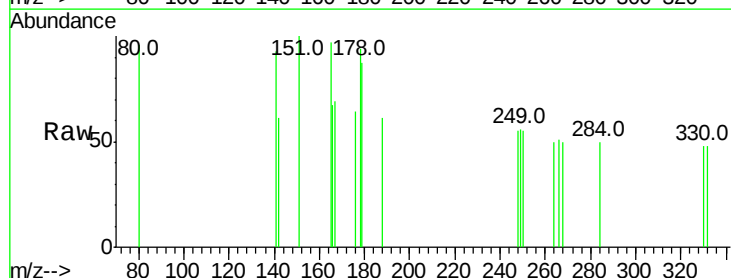
Tgt Ion:178 Resp: 55

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

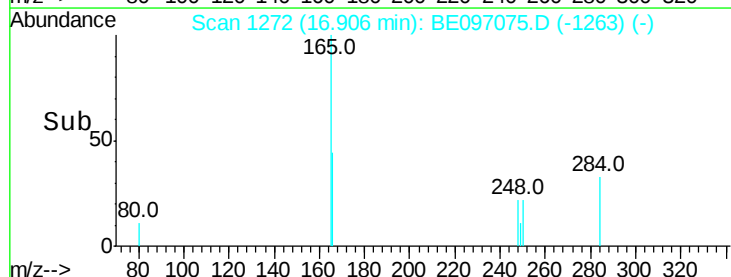
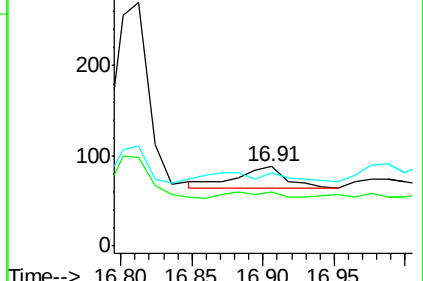
179 0.0 13.0 19.6#



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: 0.453 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

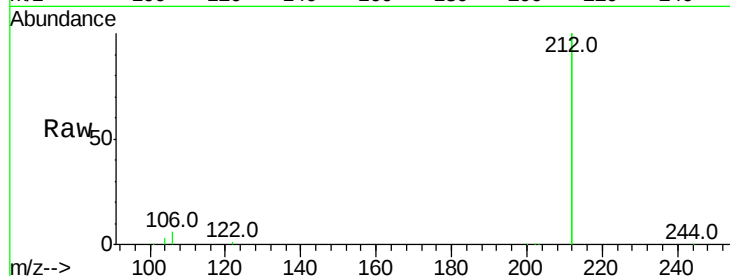
Tot Ion:212 Resp: 47588

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

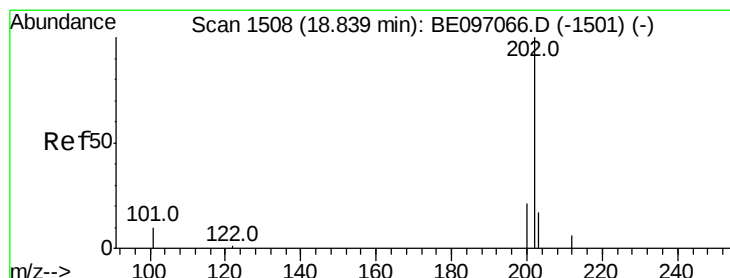
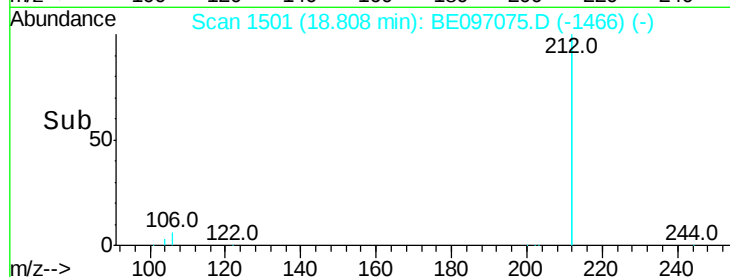
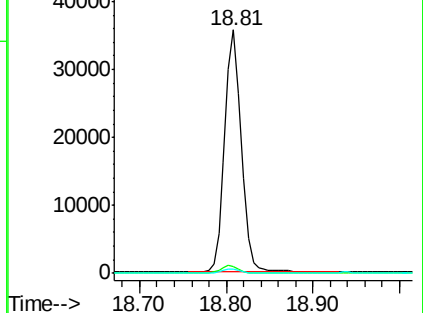
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.004 ng

RT: 18.84 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

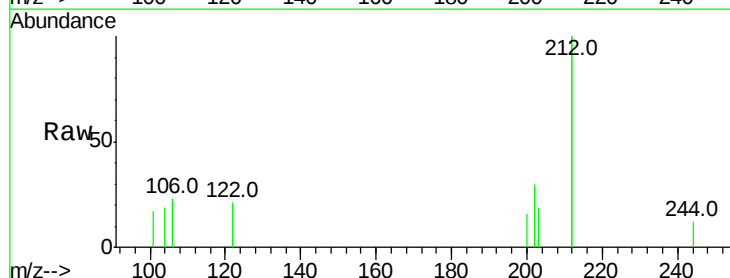
Tgt Ion:202 Resp: 120

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

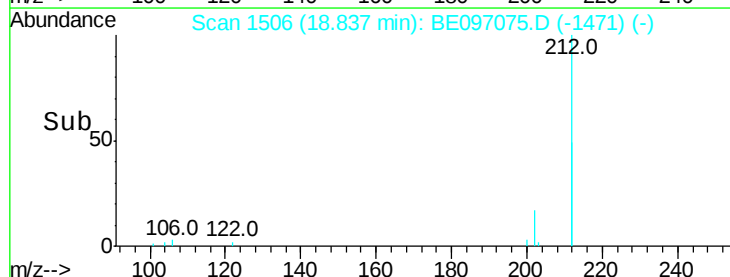
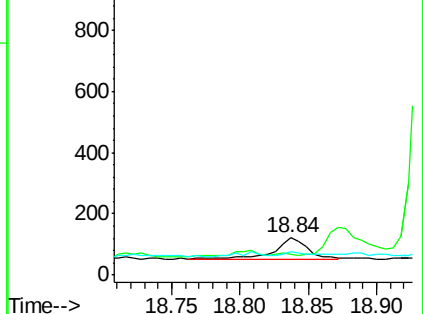
203 19.2 13.7 20.5



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# 1786

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

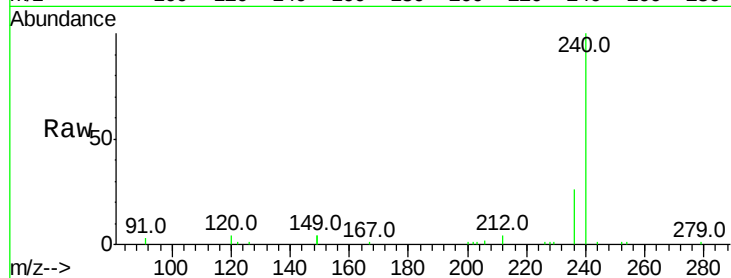
Tot Ion:240 Resp: 10666

Ion Ratio Lower Upper

240 100

120 4.3 5.5 8.3#

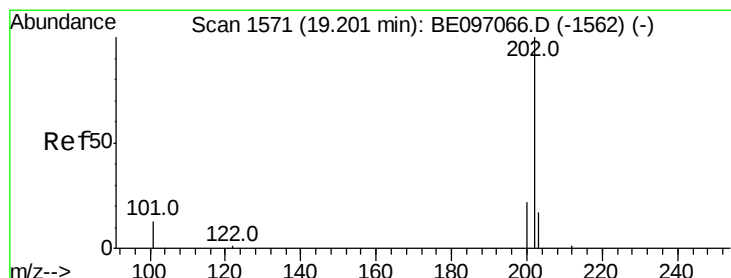
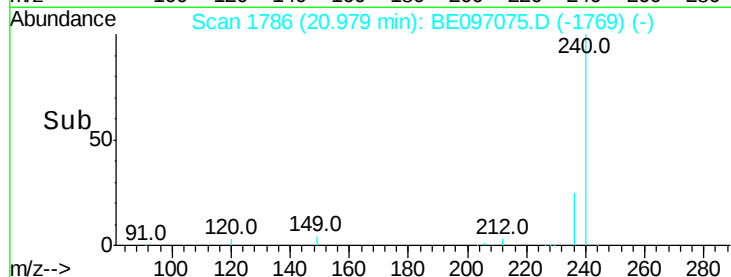
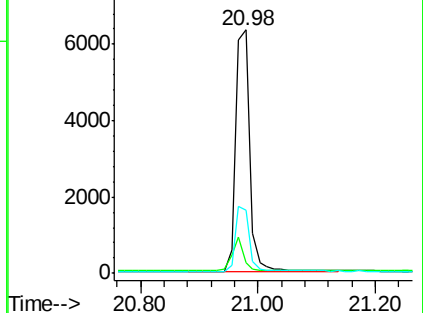
236 26.0 20.7 31.1



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: 0.004 ng

RT: 19.20 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

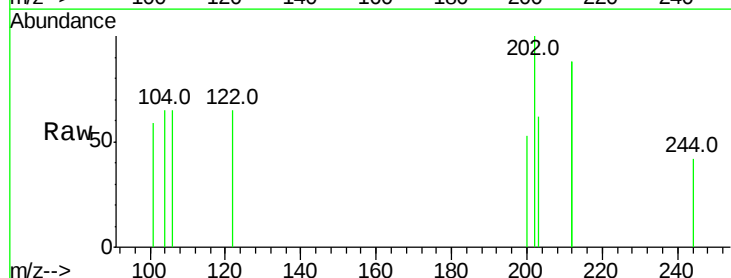
Tgt Ion:202 Resp: 113

Ion Ratio Lower Upper

202 100

200 25.7 16.6 25.0#

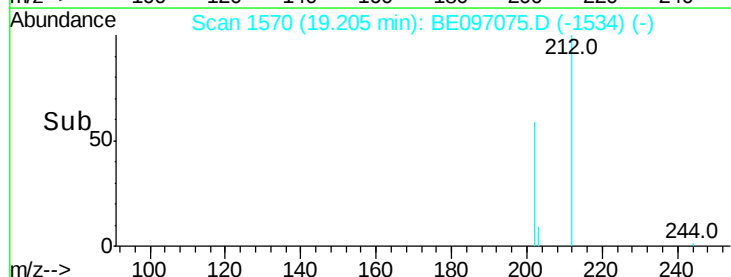
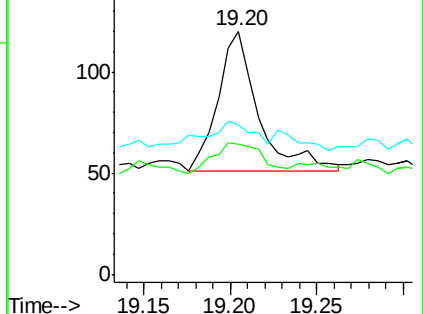
203 27.4 13.8 20.8#



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: 0.392 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

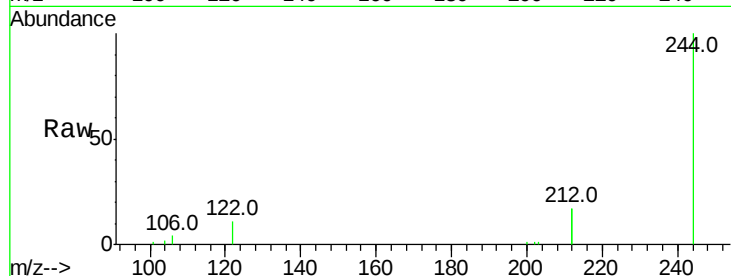
Tot Ion:244 Resp: 8031

Ion Ratio Lower Upper

244 100

212 33.3 25.4 38.0

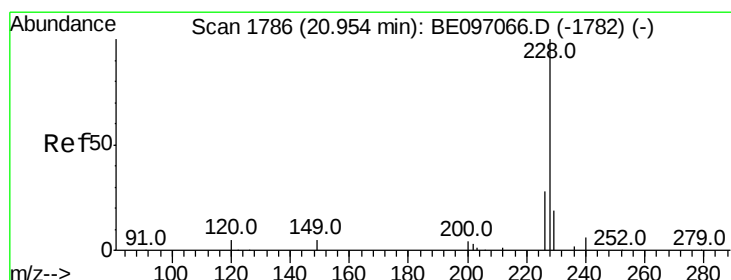
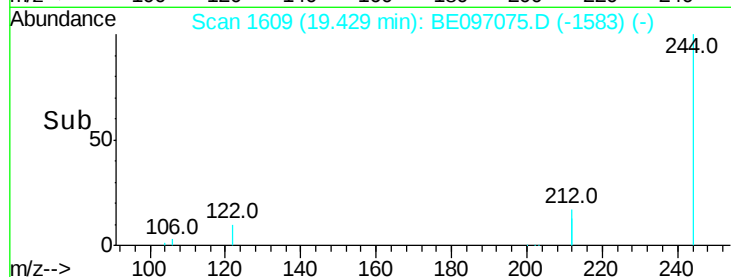
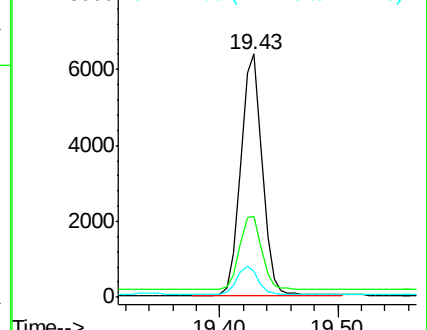
122 10.8 8.1 12.1



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: 0.002 ng

RT: 20.97 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

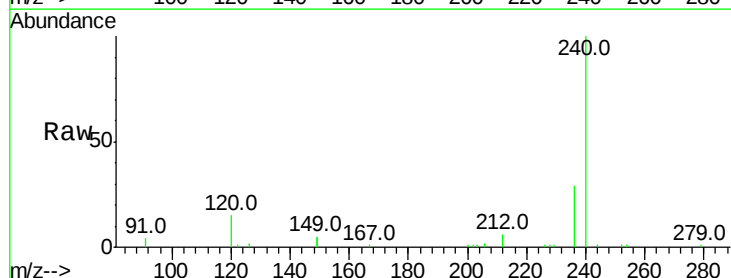
Tgt Ion:228 Resp: 65

Ion Ratio Lower Upper

228 100

226 69.5 24.0 36.0#

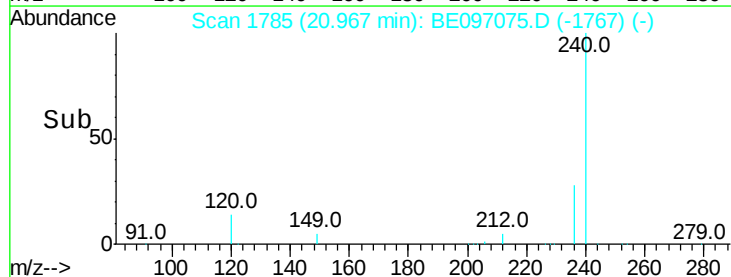
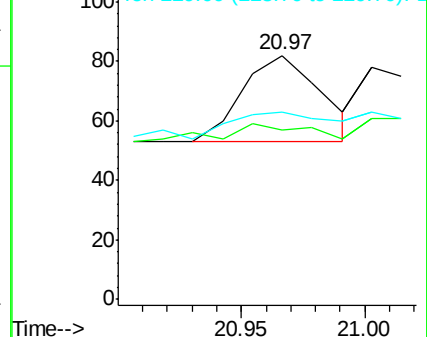
229 76.8 16.0 24.0#

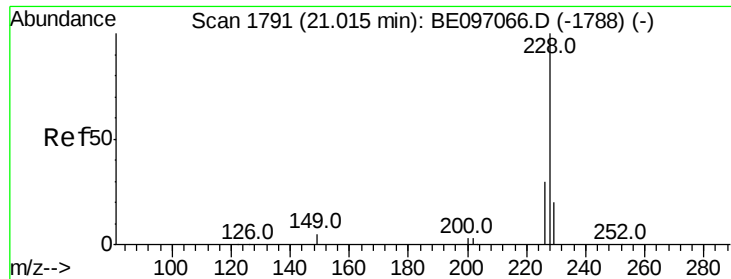


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.001 ng

RT: 21.00 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

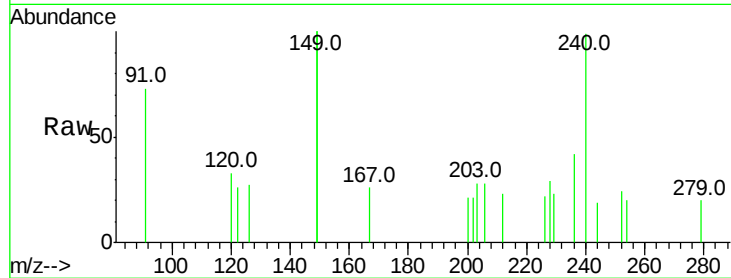
Tot Ion:228 Resp: 42

Ion Ratio Lower Upper

228 100

226 78.2 24.0 36.0#

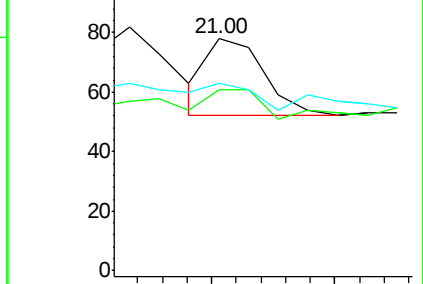
229 80.8 16.0 24.0#



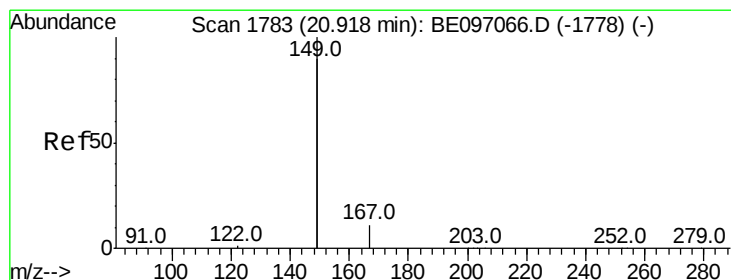
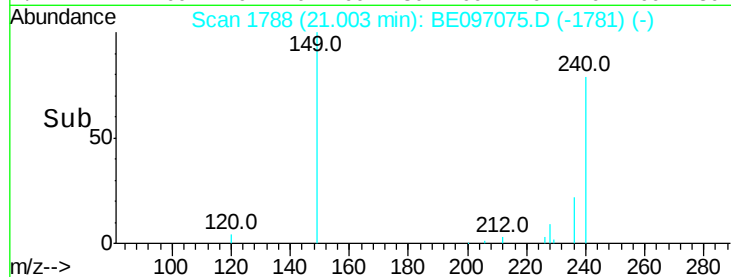
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.275 ng

RT: 20.92 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

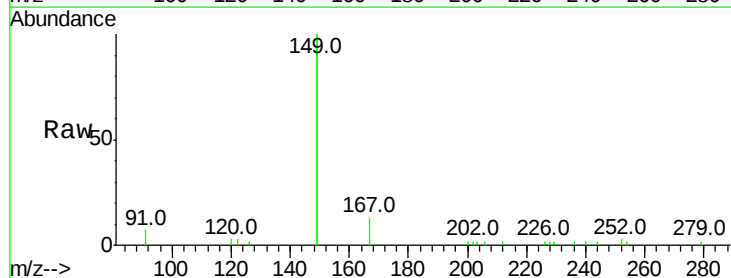
Tgt Ion:149 Resp: 7643

Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

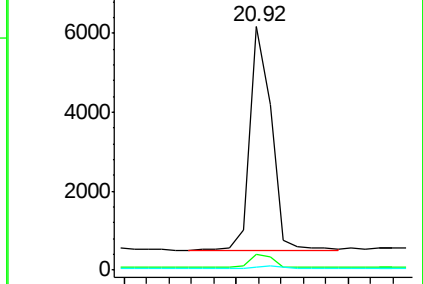
279 1.0 0.7 1.1



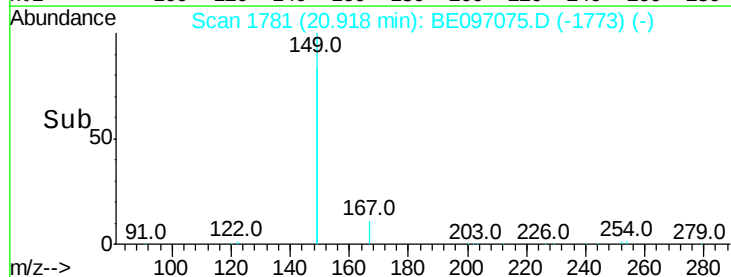
Abundance Ion 149.00 (148.70 to 149.70): E

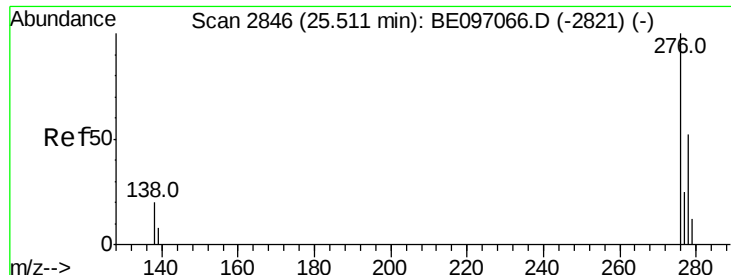
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.001 ng

RT: 25.51 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

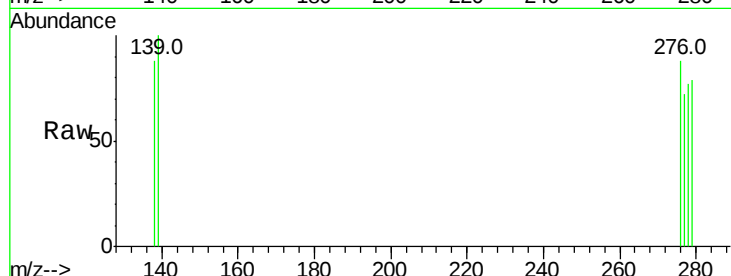
Tot Ion:276 Resp: 31

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

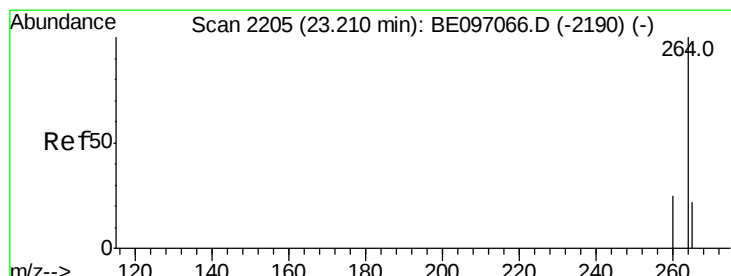
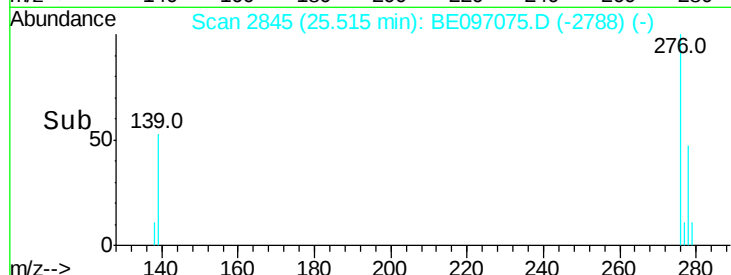
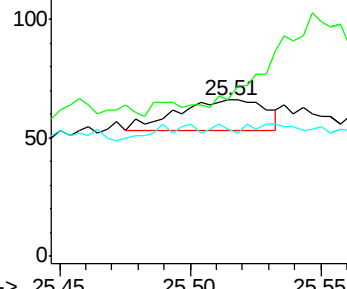
277 6.5 19.9 29.9#



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: BE097075.D

Acq: 24 Jul 2018 17:13

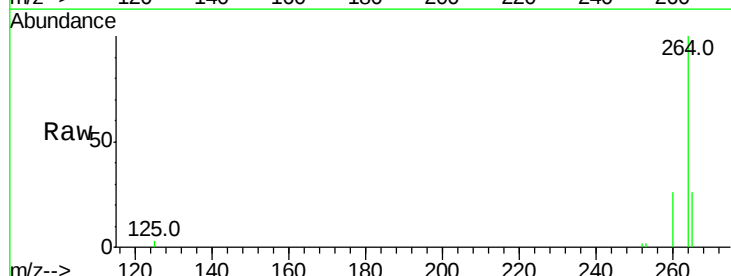
Tgt Ion:264 Resp: 10046

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

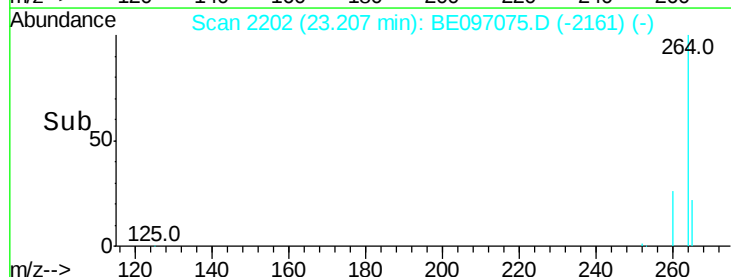
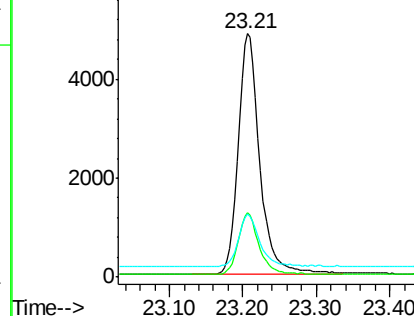
265 25.9 22.8 34.2



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

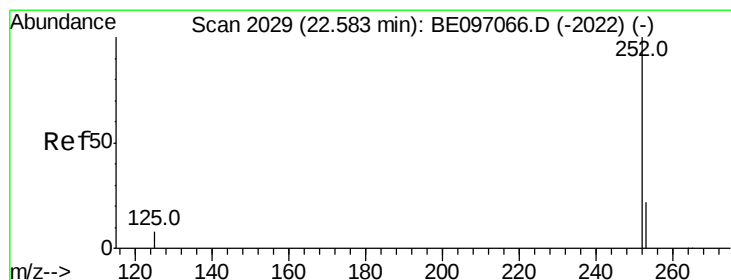
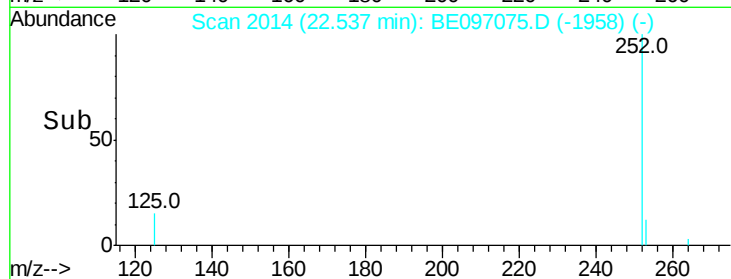
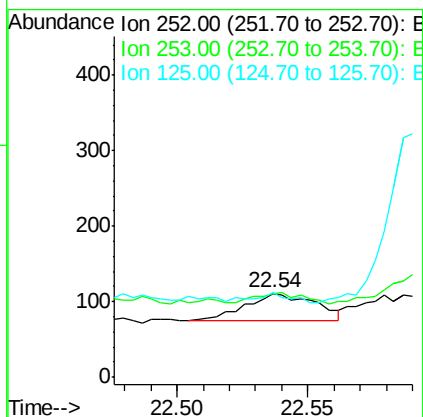
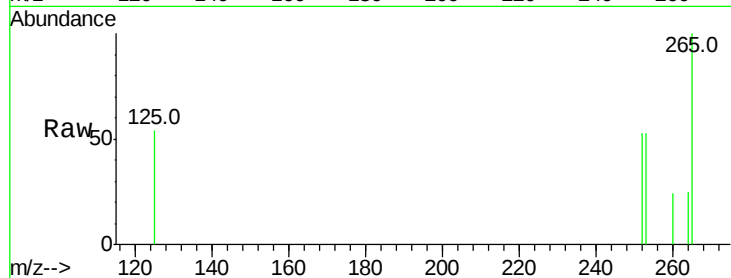




#35
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 22.54 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE097075.D
Acq: 24 Jul 2018 17:13

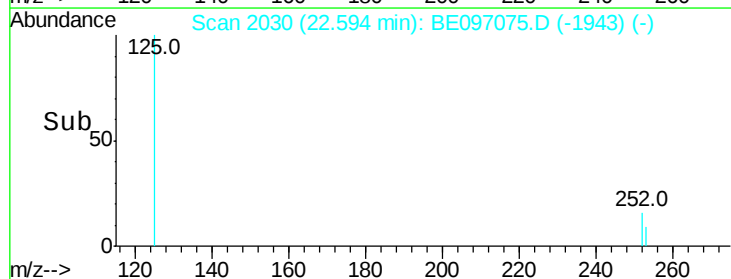
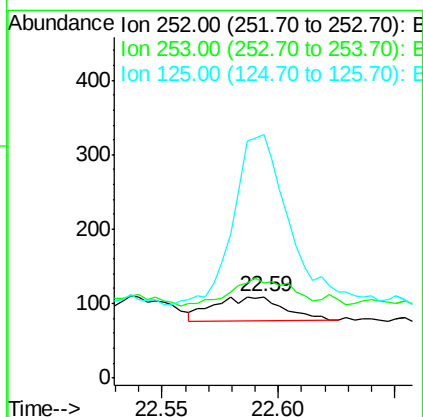
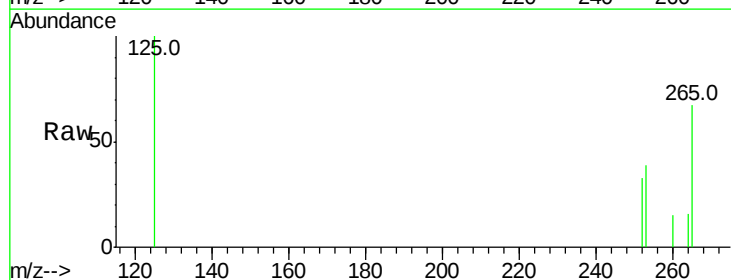
Instrument :
BNA_E
ClientSampleId :
RE123D3-071818

Tot Ion:252 Resp: 70
Ion Ratio Lower Upper
252 100
253 99.1 20.0 30.0#
125 100.9 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.002 ng
RT: 22.59 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BE097075.D
Acq: 24 Jul 2018 17:13

Tgt Ion:252 Resp: 69
Ion Ratio Lower Upper
252 100
253 117.4 16.0 24.0#
125 300.0 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.11 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818

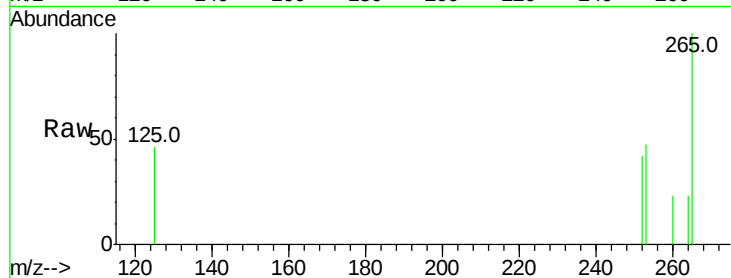
Tot Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 112.4 16.0 24.0#

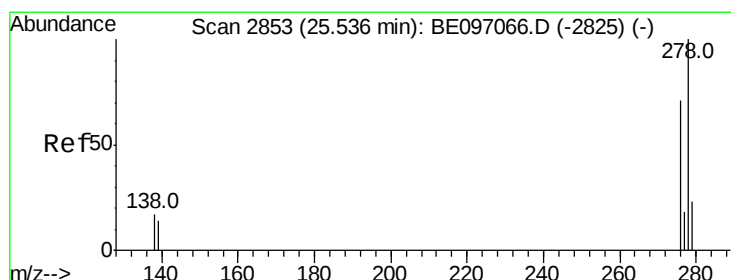
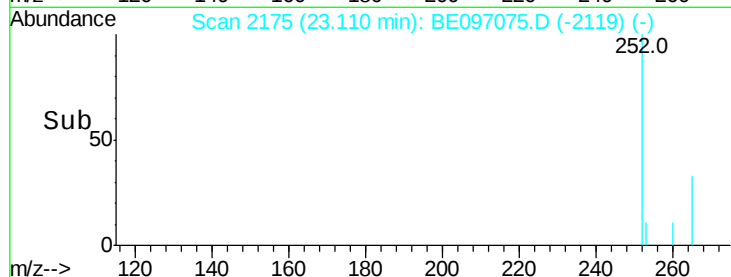
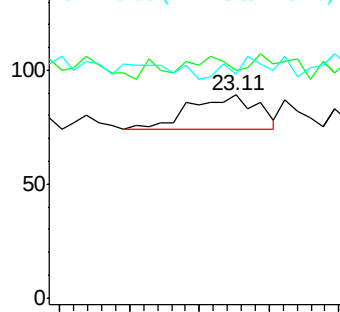
125 110.1 12.0 18.0#



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: 0.001 ng

RT: 25.52 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE097075.D

Acq: 24 Jul 2018 17:13

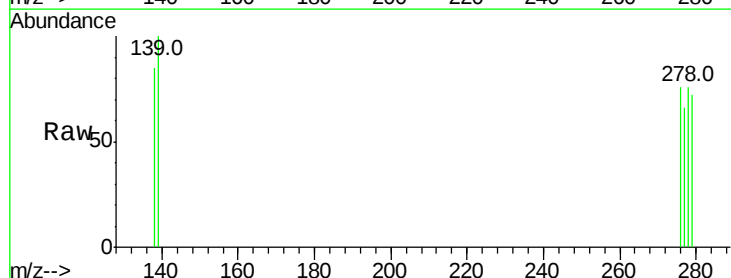
Tgt Ion:278 Resp: 21

Ion Ratio Lower Upper

278 100

139 130.8 16.0 24.0#

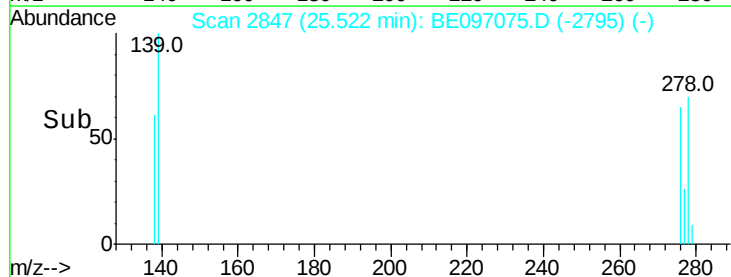
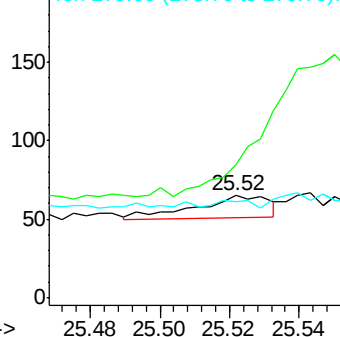
279 93.8 20.0 30.0#

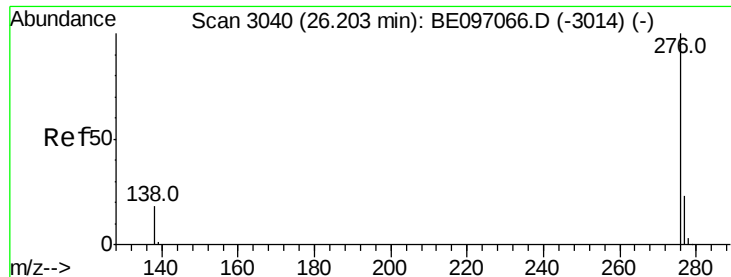


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.001 ng

RT: 26.20 min Scan# 3036

Delta R.T. -0.01 min

Lab File: BE097075.D

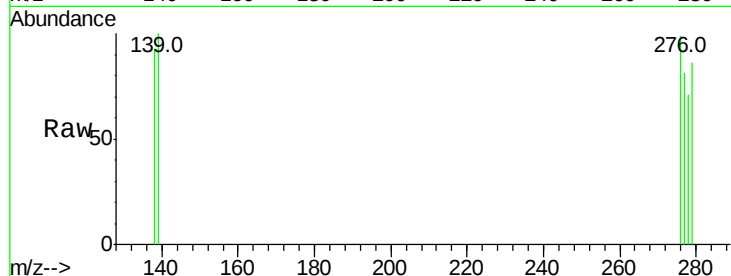
Acq: 24 Jul 2018 17:13

Instrument :

BNA_E

ClientSampleId :

RE123D3-071818



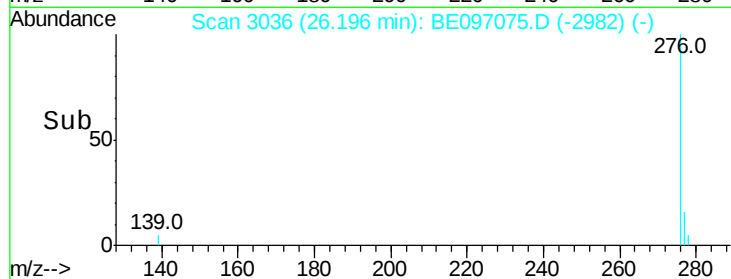
Tot Ion: 276 Resp: 28

Ion Ratio Lower Upper

276 100

277 82.4 16.0 24.0#

138 94.1 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

Ion 139.00 (138.70 to 139.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 136.00 (135.70 to 136.70): E

Ion 135.00 (134.70 to 135.70): E

Ion 134.00 (133.70 to 134.70): E

Ion 133.00 (132.70 to 133.70): E

Ion 132.00 (131.70 to 132.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 128.00 (127.70 to 128.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 126.00 (125.70 to 126.70): E

Time-->