

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\
 Data File : BE097003.D
 Acq On : 19 Jul 2018 13:57
 Operator : SJ/JU
 Sample : J4014-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE103D1-071218

Quant Time: Jul 19 15:40:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1931	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	8836	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	5505	0.40	ng	-0.01
19) Phenanthrene-d10	16.77	188	15071	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	15709	0.40	ng	0.00
34) Perylene-d12	23.21	264	14095	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	873	0.19	ng	0.01
5) Phenol-d6	6.60	99	755	0.11	ng	0.00
8) Nitrobenzene-d5	8.53	82	3068	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	5411	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	762	0.59	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	9530	0.47	ng	-0.01
25) Fluoranthene-d10	18.81	212	78638	0.60	ng	0.00
29) Terphenyl-d14	19.43	244	23116	0.76	ng	0.00

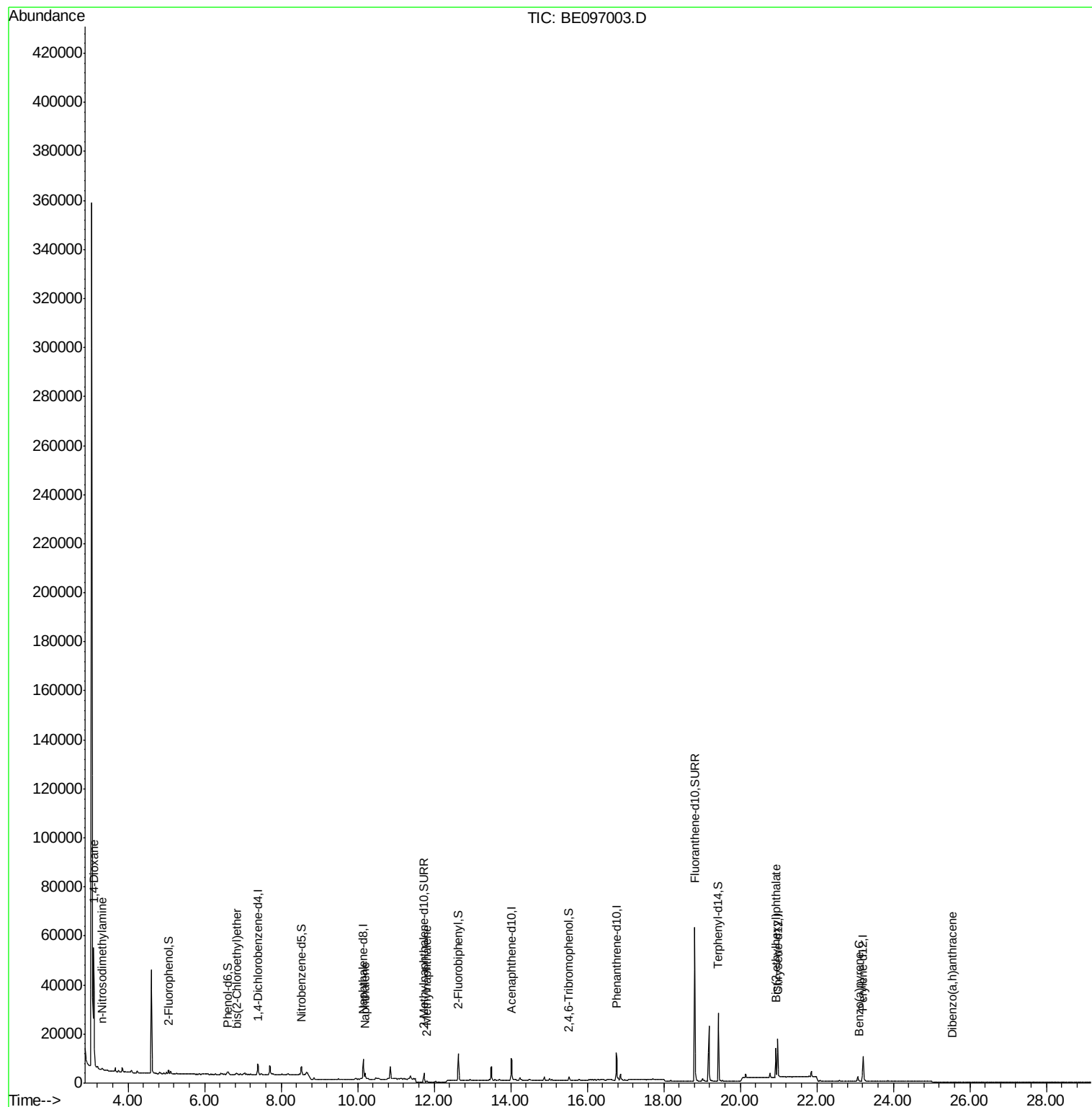
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	23946	8.663	ng	# 89
3) n-Nitrosodimethylamine	3.31	42	151	0.049	ng	# 1
6) bis(2-Chloroethyl)ether	6.84	93	193	0.028	ng	# 90
9) Naphthalene	10.20	128	3623	0.046	ng	# 96
12) 2-Methylnaphthalene	11.81	142	344	0.026	ng	# 84
22) Pentachlorophenol	16.44	266	24	Below Cal		95
32) Bis(2-ethylhexyl)phthalate	20.93	149	13830	0.370	ng	# 100
37) Benzo(a)pyrene	23.10	252	6	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	64	0.119	ng	# 1

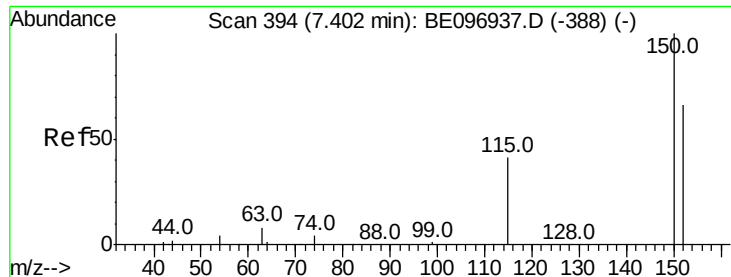
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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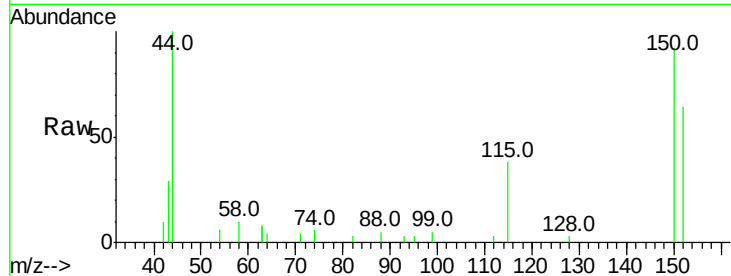


#1

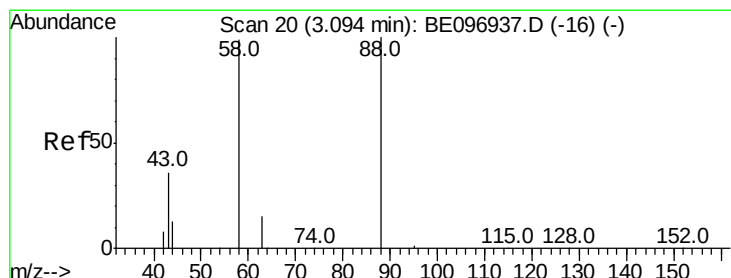
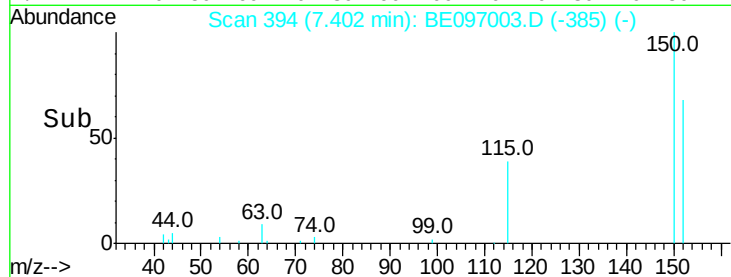
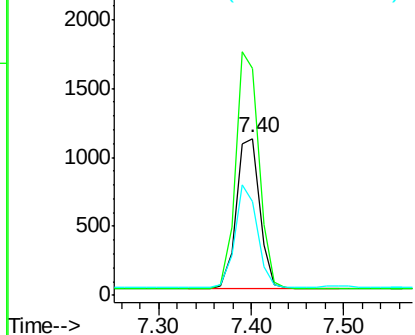
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE097003.D
Acq: 19 Jul 2018 13:57

Instrument :
BNA_E
ClientSampleId :
RE103D1-071218

Tot Ion:152 Resp: 1931
Ion Ratio Lower Upper
152 100
150 144.7 117.2 175.8
115 59.7 57.0 85.6



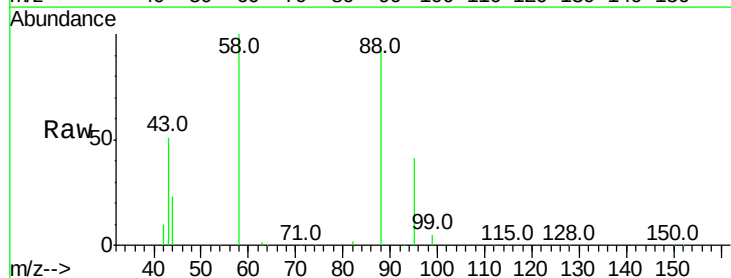
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



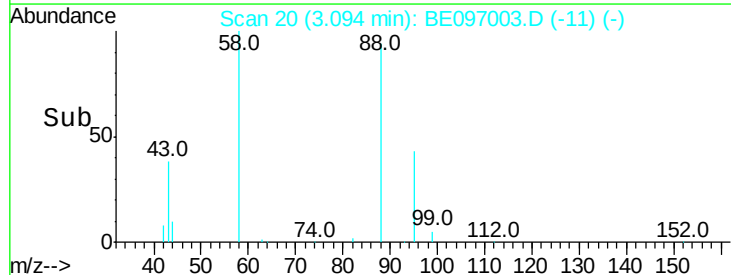
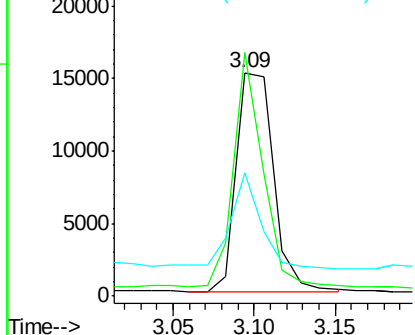
#2

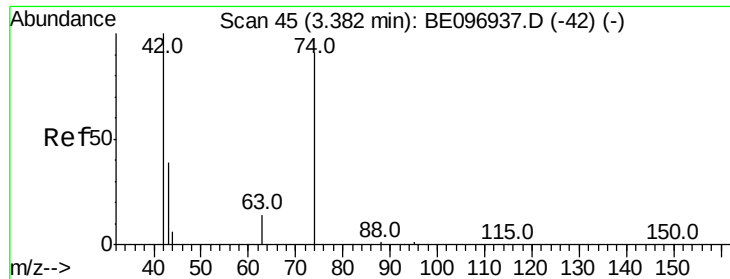
1,4-Dioxane
Concen: 8.663 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097003.D
Acq: 19 Jul 2018 13:57

Tgt Ion: 88 Resp: 23946
Ion Ratio Lower Upper
88 100
58 82.0 63.2 94.8
43 35.6 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: 0.049 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.07 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

Instrument :

BNA_E

ClientSampleId :

RE103D1-071218

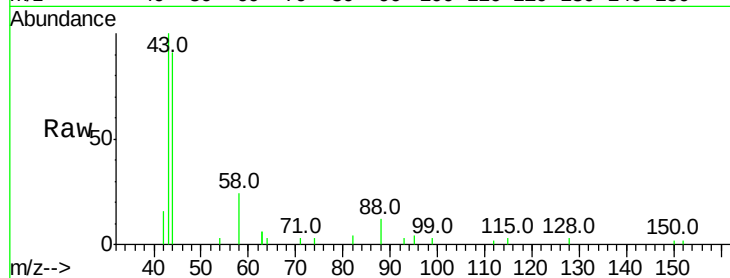
Tot Ion: 42 Resp: 151

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

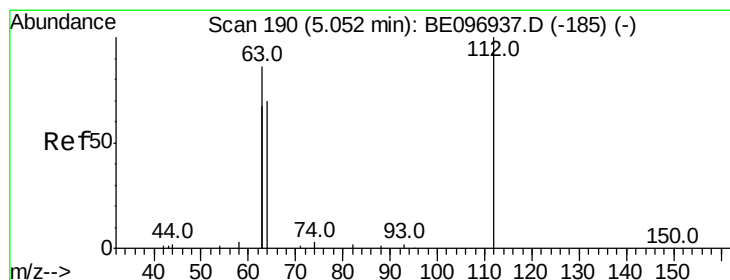
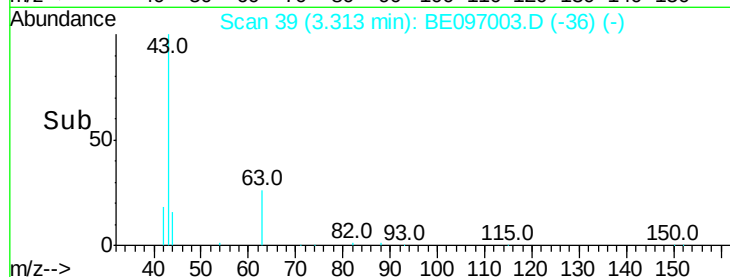
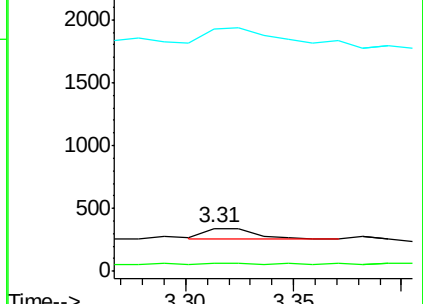
44 289.4 12.0 18.0#



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: 0.189 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

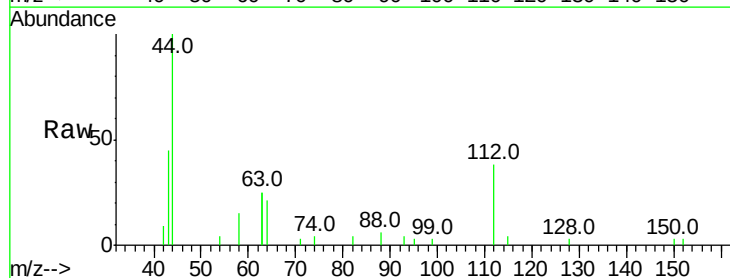
Tgt Ion: 112 Resp: 873

Ion Ratio Lower Upper

112 100

64 71.9 60.1 90.1

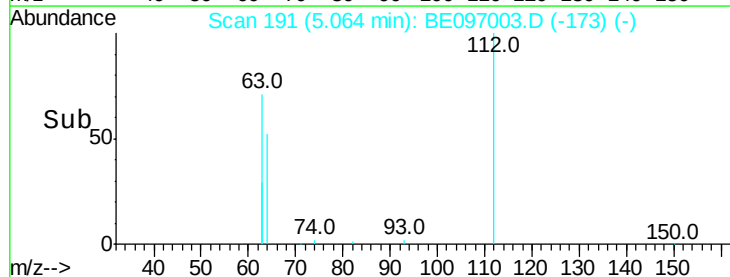
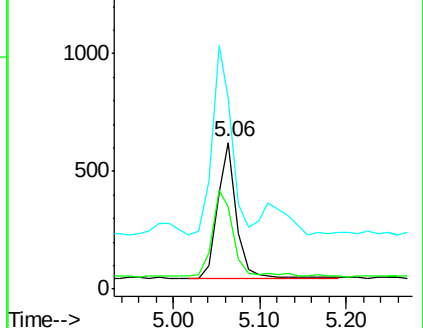
63 141.0 116.8 175.2

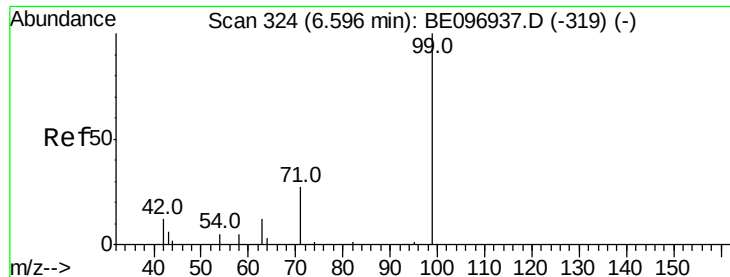


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.107 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

Instrument :

BNA_E

ClientSampleId :

RE103D1-071218

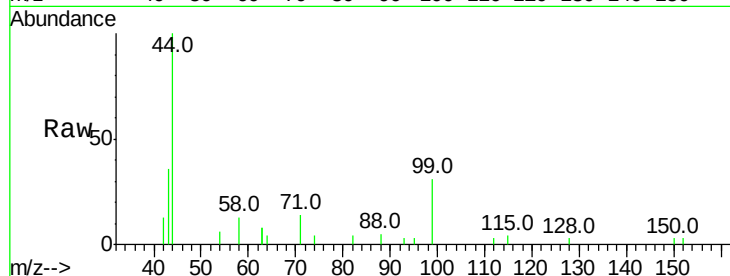
Tot Ion: 99 Resp: 755

Ion Ratio Lower Upper

99 100

42 29.8 20.2 30.2

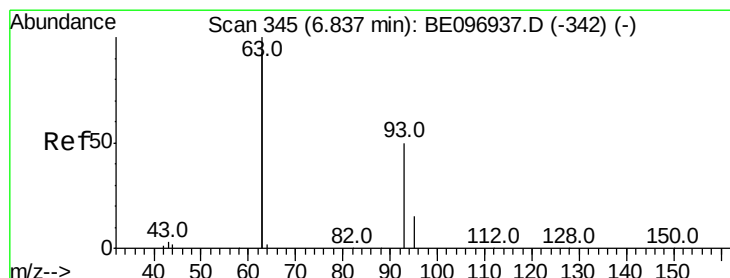
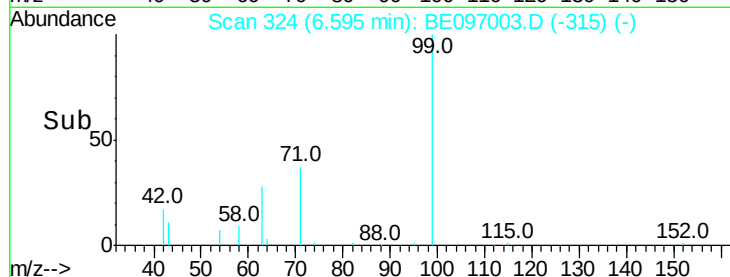
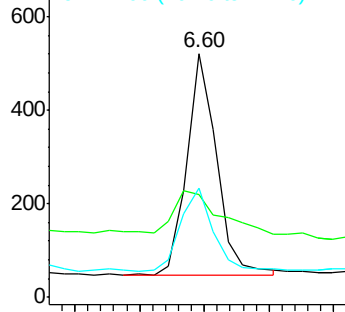
71 42.5 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.028 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

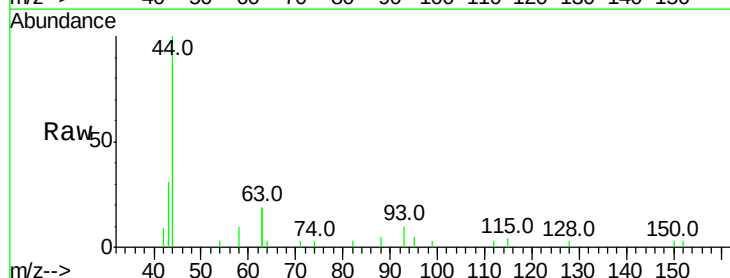
Tgt Ion: 93 Resp: 193

Ion Ratio Lower Upper

93 100

63 366.8 275.3 412.9

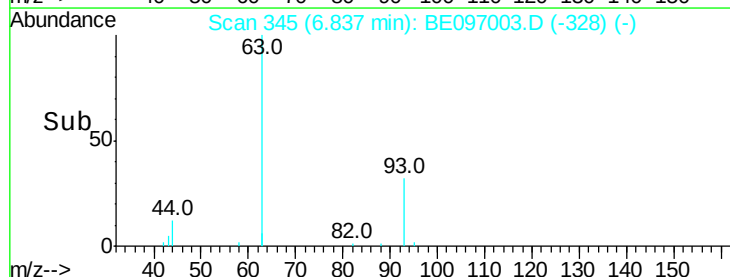
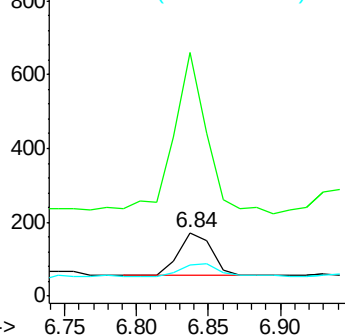
95 36.3 25.2 37.8

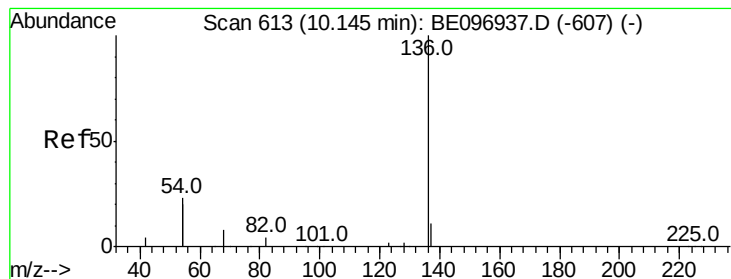


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

Instrument :

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ClientSampleId :

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Tot Ion:136 Resp: 8836

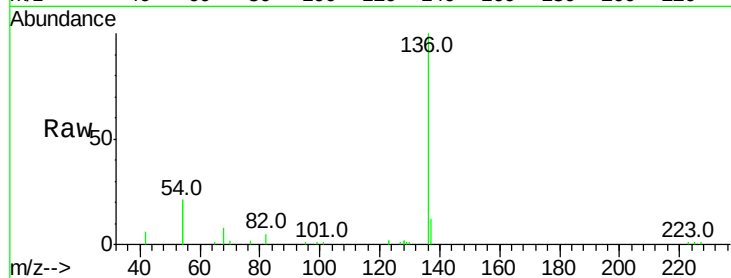
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 42.4 29.1 43.7

68 8.2 6.2 9.2

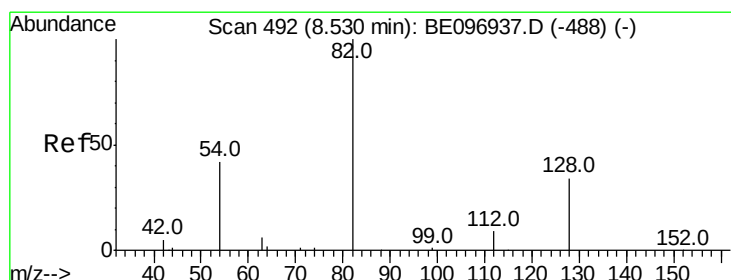
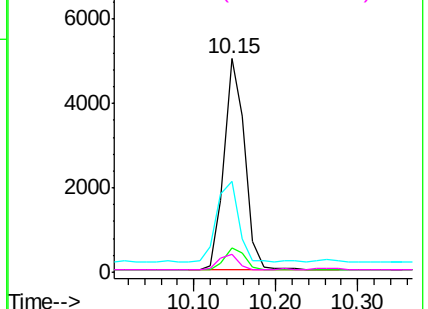
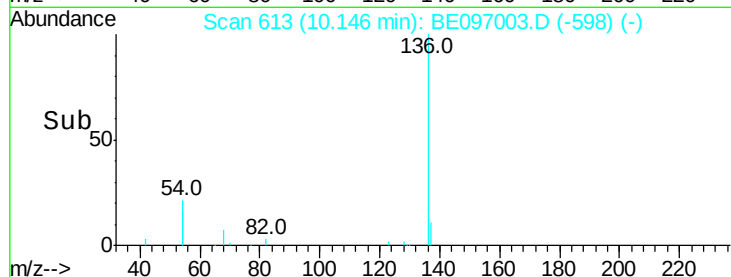


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.476 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

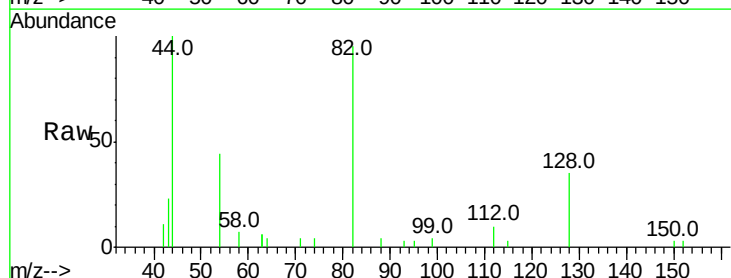
Tgt Ion: 82 Resp: 3068

Ion Ratio Lower Upper

82 100

128 37.1 24.0 36.0#

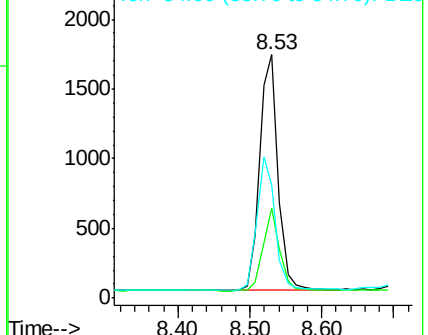
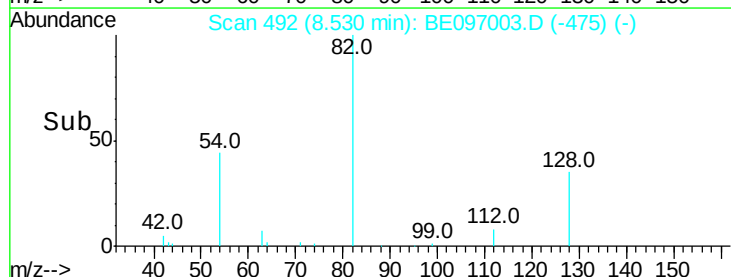
54 46.2 40.0 60.0

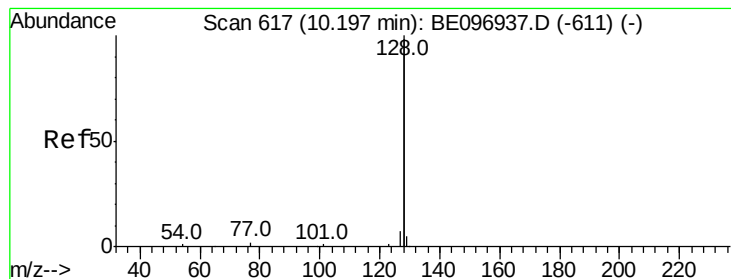


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.046 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

Instrument :

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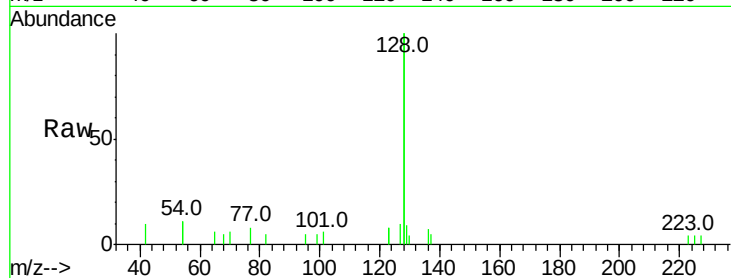
Tot Ion:128 Resp: 3623

Ion Ratio Lower Upper

128 100

129 4.6 2.6 3.8#

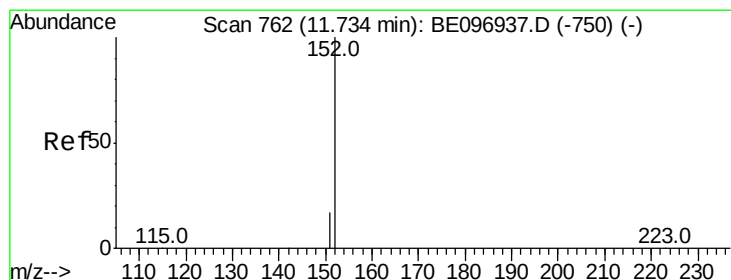
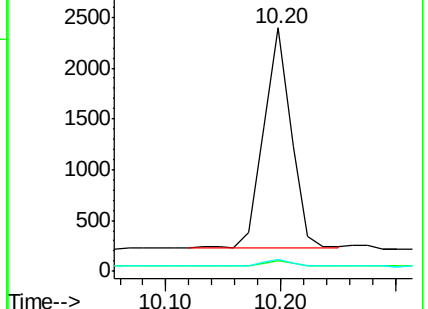
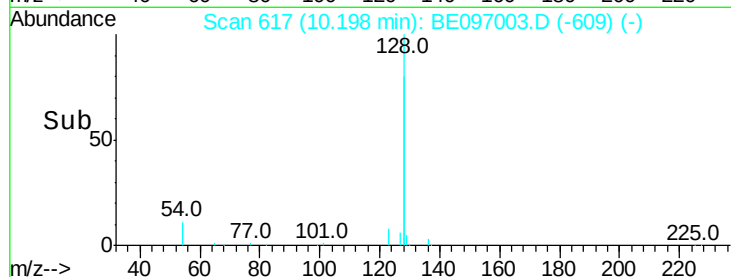
127 5.0 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.420 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE097003.D

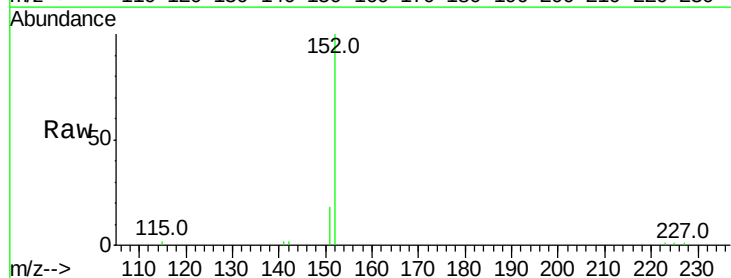
Acq: 19 Jul 2018 13:57

Tgt Ion:152 Resp: 5411

Ion Ratio Lower Upper

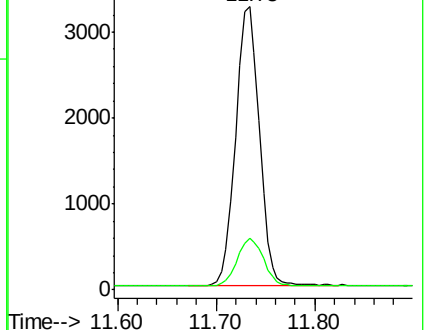
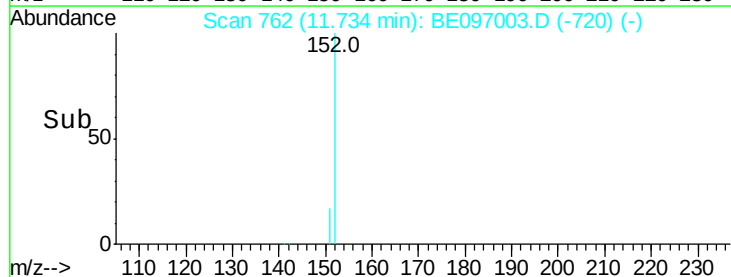
152 100

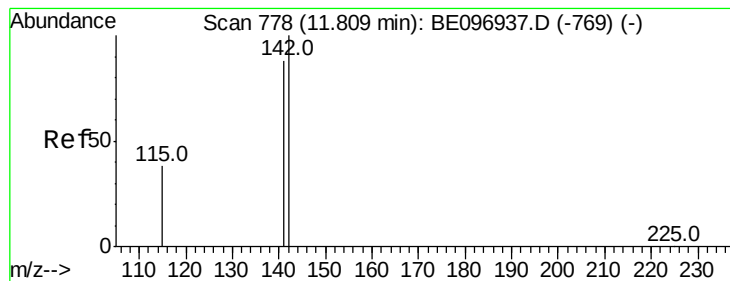
151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.026 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

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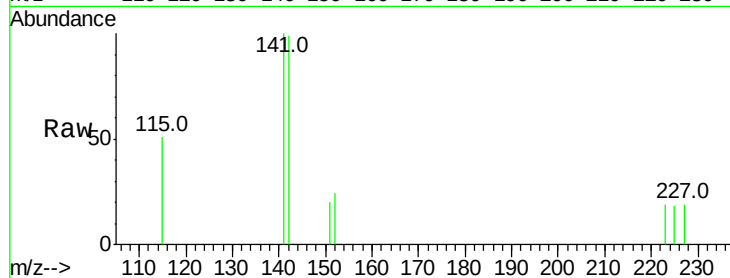
Tot Ion:142 Resp: 344

Ion Ratio Lower Upper

142 100

141 100.8 70.4 105.6

115 51.8 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

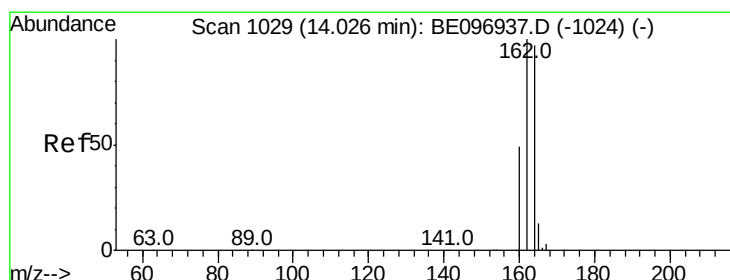
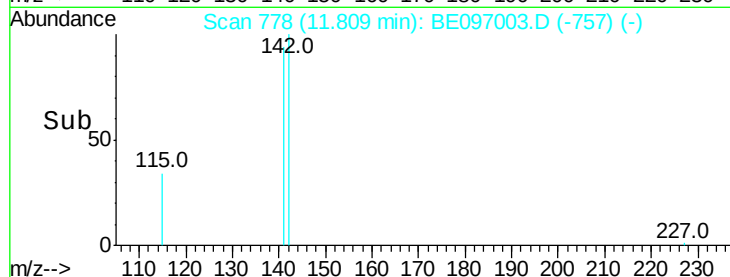
11.81

200

100

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

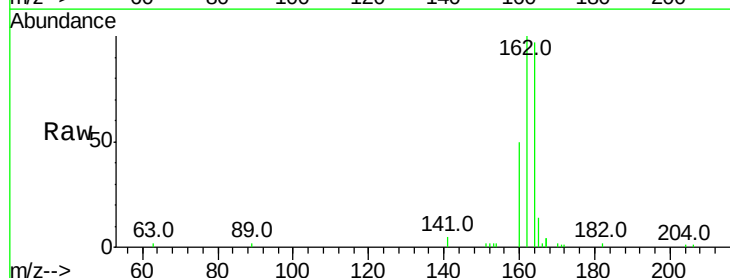
Tgt Ion:164 Resp: 5505

Ion Ratio Lower Upper

164 100

162 103.5 83.1 124.7

160 52.2 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

14.01

4000

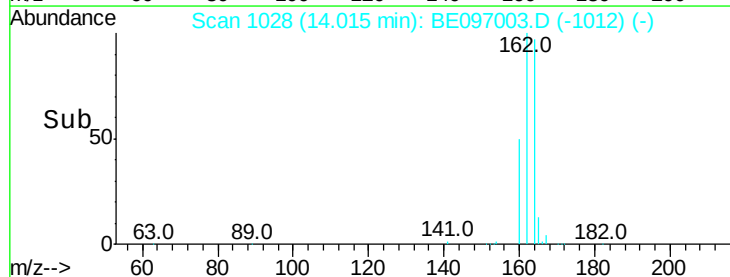
3000

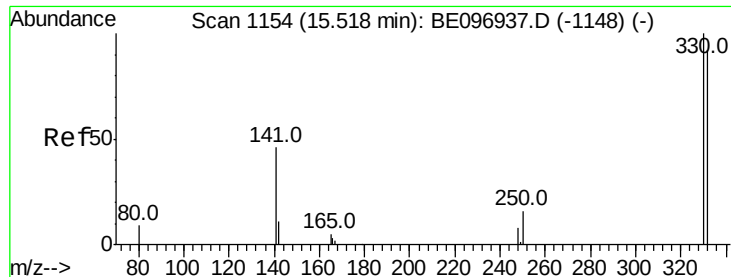
2000

1000

0

Time-->

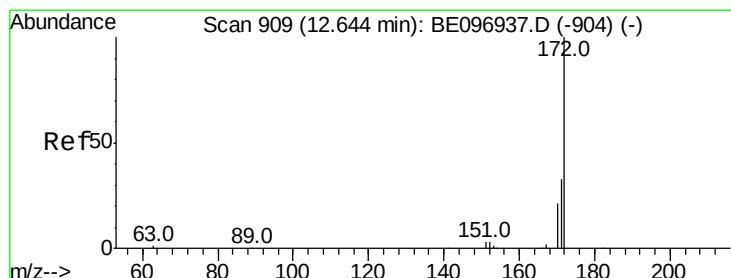
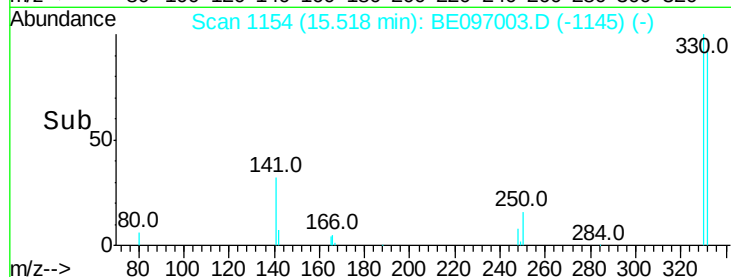
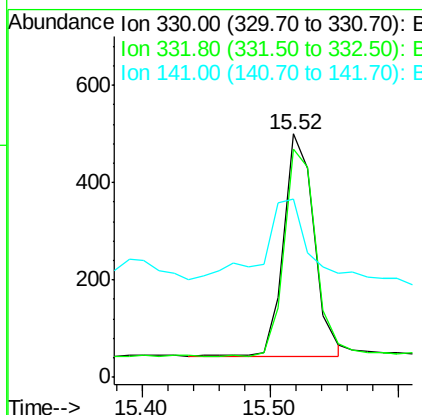
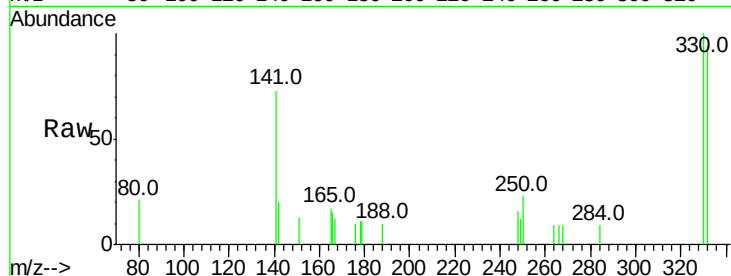




#14
 2,4,6-Tribromophenol
 Concen: 0.589 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097003.D
 Acq: 19 Jul 2018 13:57

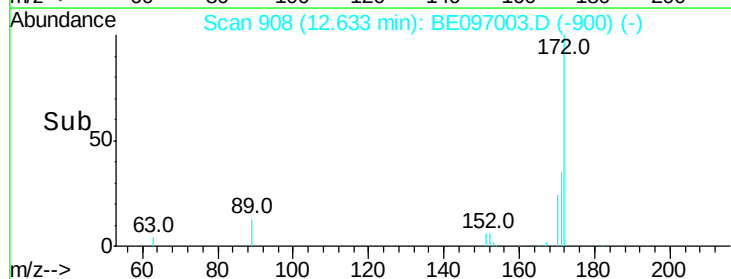
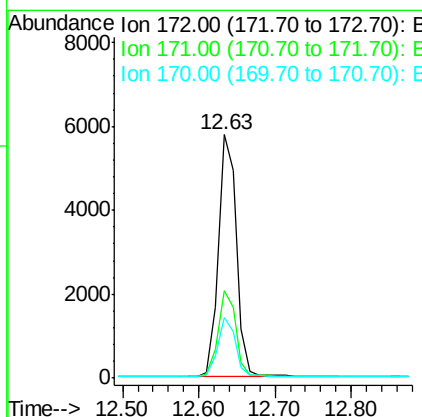
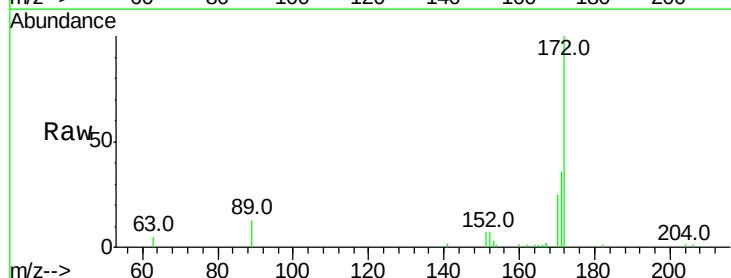
Instrument :
 BNA_E
 ClientSampleId :
 RE103D1-071218

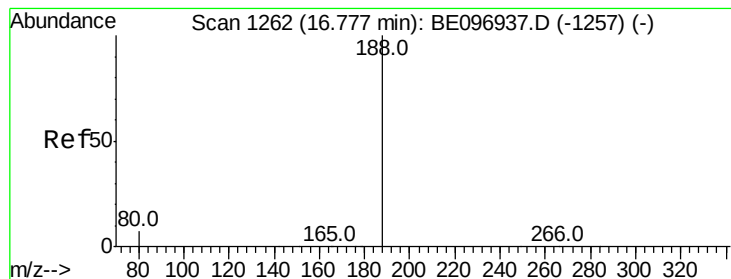
Tot Ion:330 Resp: 762
 Ion Ratio Lower Upper
 330 100
 332 95.4 152.7 229.1#
 141 49.9 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.465 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE097003.D
 Acq: 19 Jul 2018 13:57

Tgt Ion:172 Resp: 9530
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.9 44.9
 170 25.1 21.8 32.8

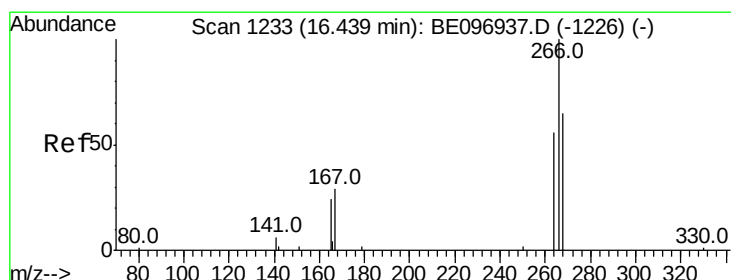
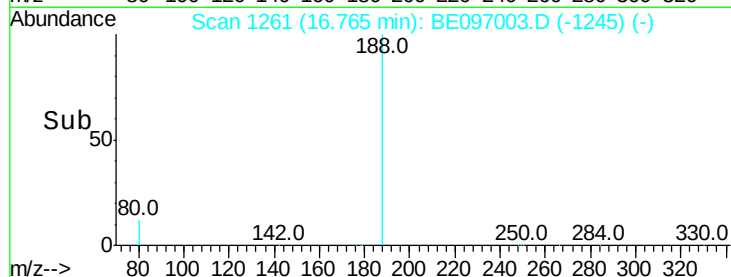
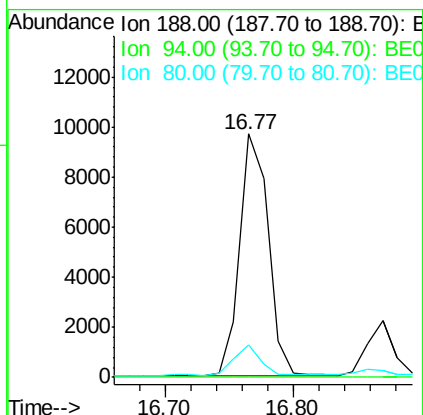
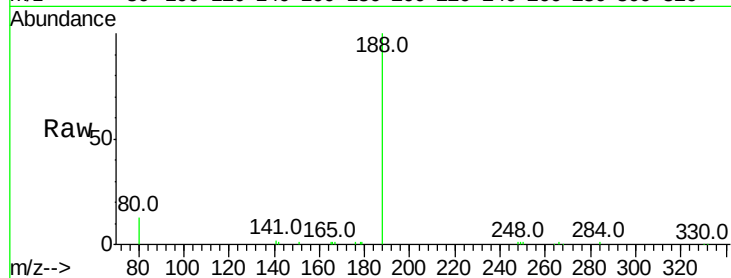




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BE097003.D
Acq: 19 Jul 2018 13:57

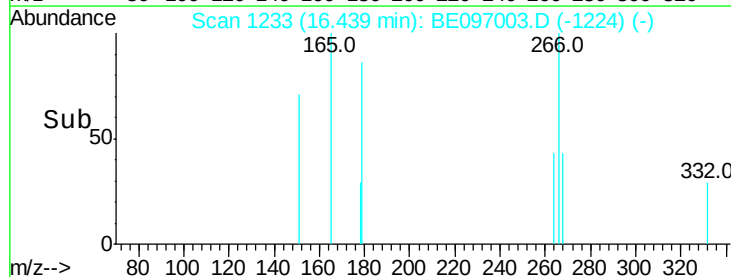
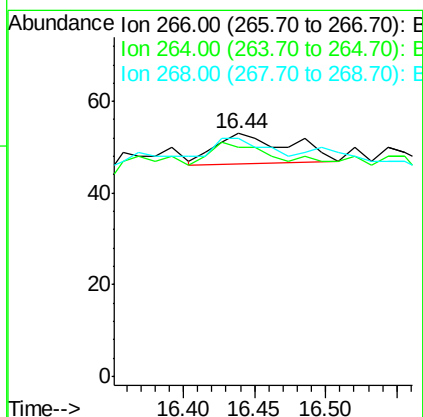
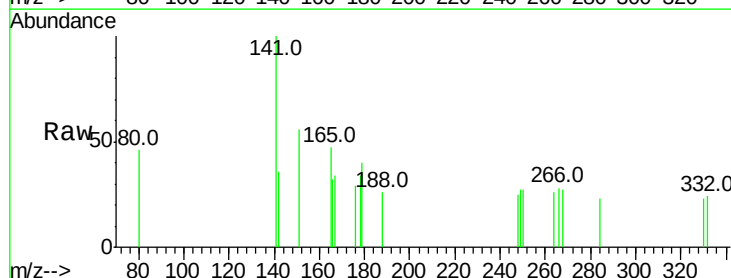
Instrument :
BNA_E
ClientSampleId :
RE103D1-071218

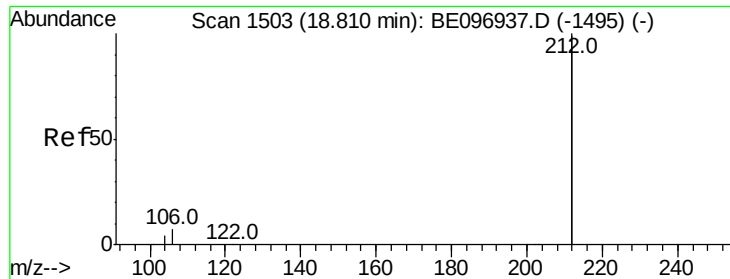
Tot Ion:188 Resp: 15071
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 13.3 3.6 5.4#



#22
Pentachlorophenol
Concen: Below Cal
RT: 16.44 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE097003.D
Acq: 19 Jul 2018 13:57

Tgt Ion:266 Resp: 24
Ion Ratio Lower Upper
266 100
264 94.3 72.5 108.7
268 98.1 73.8 110.6





#25

Fluoranthene-d10

Concen: 0.600 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

Instrument :

BNA_E

ClientSampleId :

RE103D1-071218

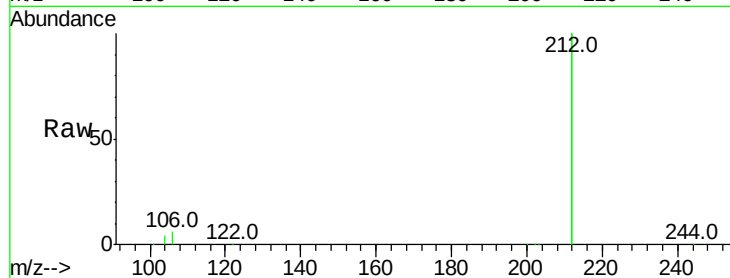
Tot Ion:212 Resp: 78638

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

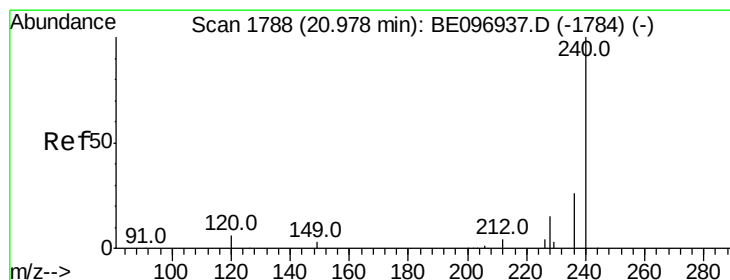
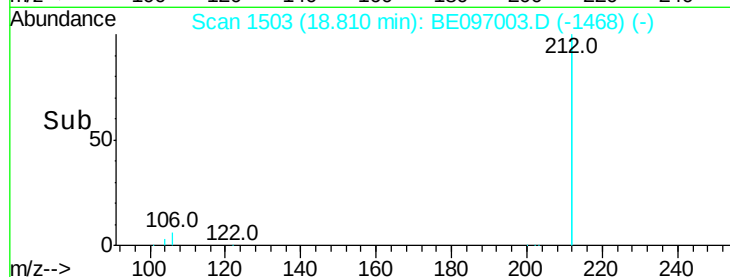
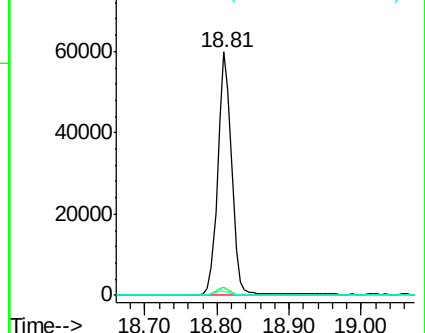
104 1.7 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097003.D

Acq: 19 Jul 2018 13:57

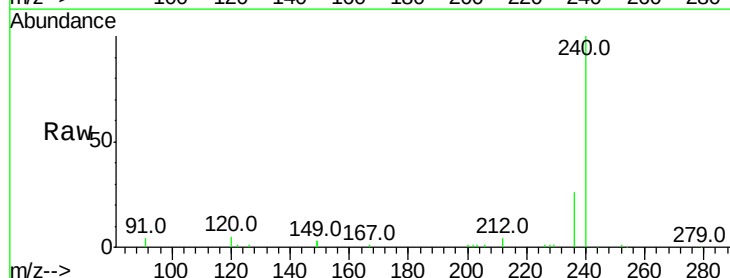
Tgt Ion:240 Resp: 15709

Ion Ratio Lower Upper

240 100

120 5.1 5.5 8.3#

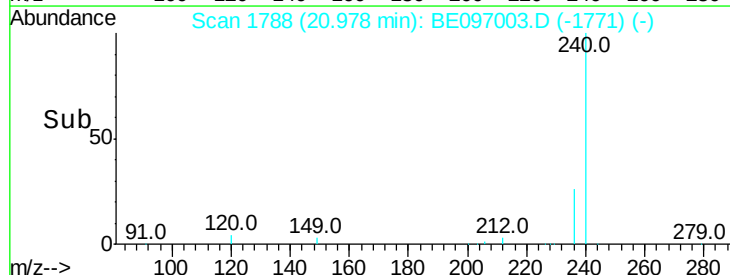
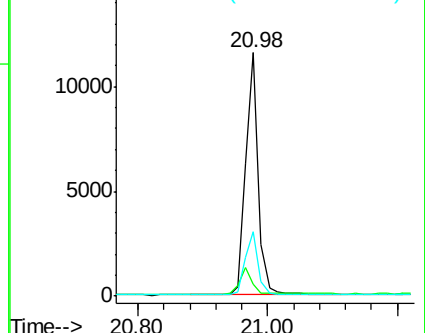
236 26.3 20.7 31.1

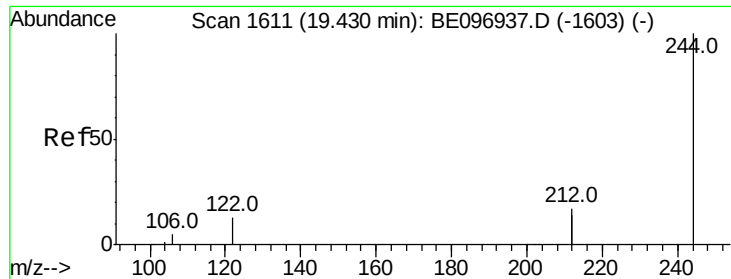


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

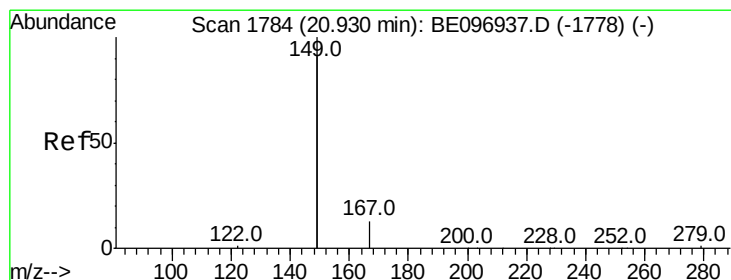
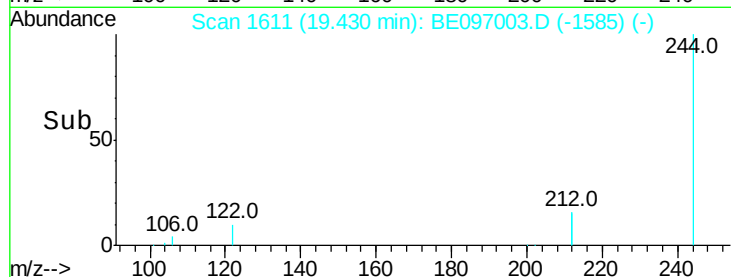
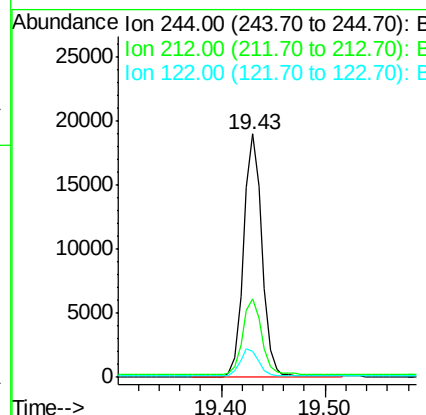
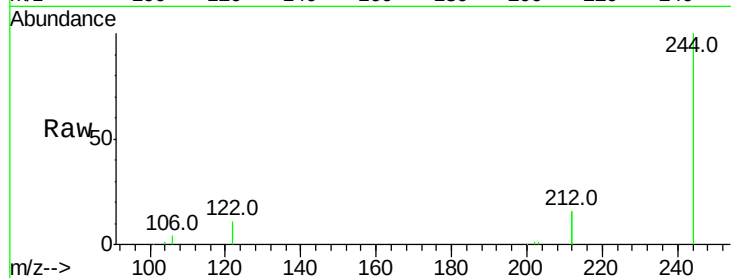




#29
 Terphenyl-d14
 Concen: 0.763 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097003.D
 Acq: 19 Jul 2018 13:57

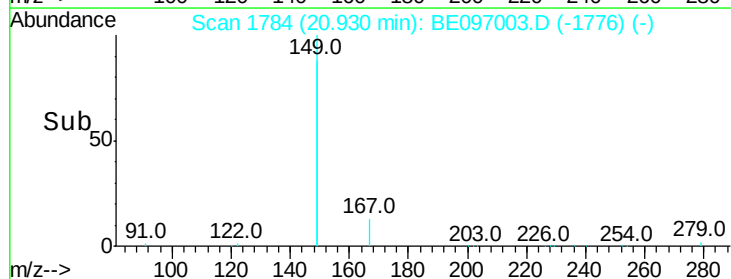
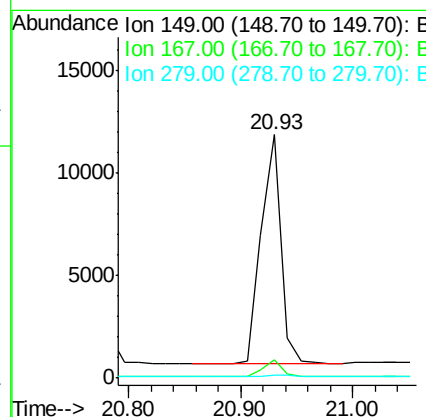
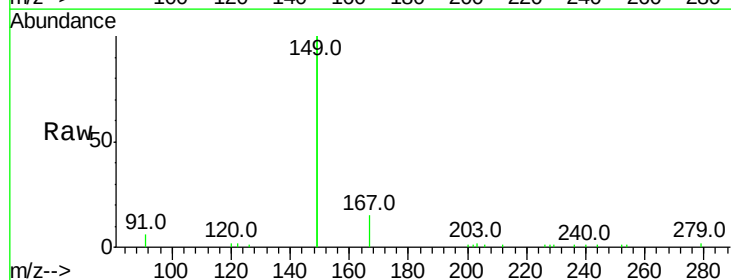
Instrument :
 BNA_E
 ClientSampleId :
 RE103D1-071218

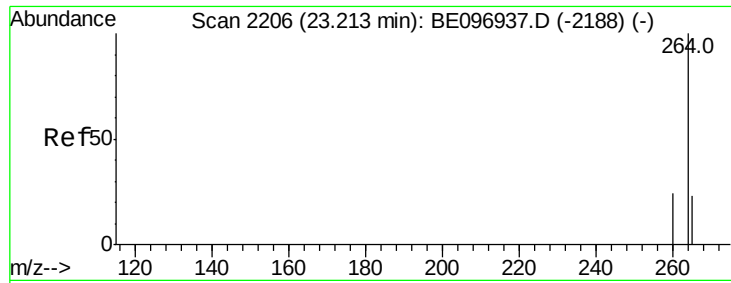
Tot Ion:244 Resp: 23116
 Ion Ratio Lower Upper
 244 100
 212 32.4 25.4 38.0
 122 10.7 8.1 12.1



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.370 ng
 RT: 20.93 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: BE097003.D
 Acq: 19 Jul 2018 13:57

Tgt Ion:149 Resp: 13830
 Ion Ratio Lower Upper
 149 100
 167 6.8 5.4 8.0
 279 1.1 0.7 1.1#



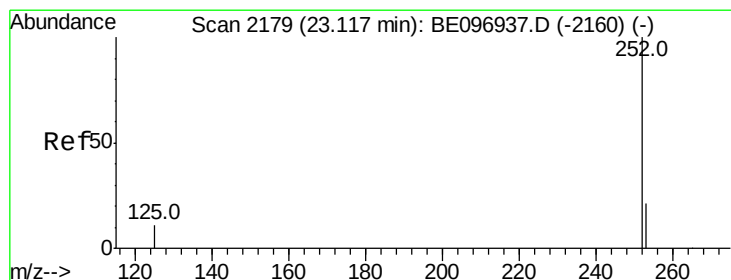
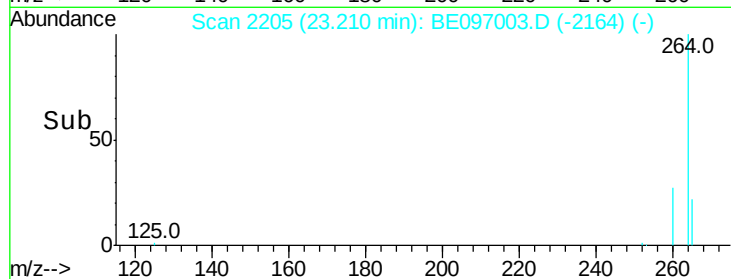
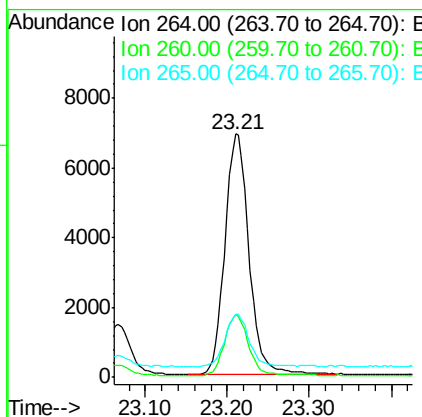
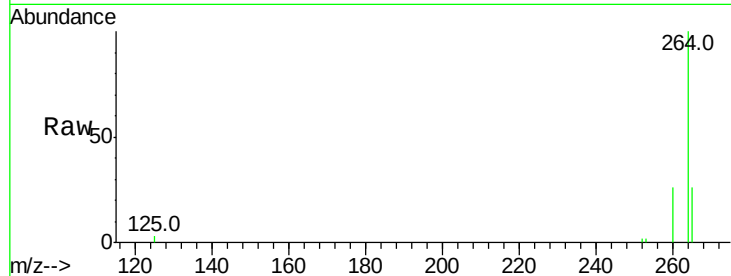


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097003.D
Acq: 19 Jul 2018 13:57

Instrument :
BNA_E
ClientSampleId :
RE103D1-071218

Tot Ion:264 Resp: 14095

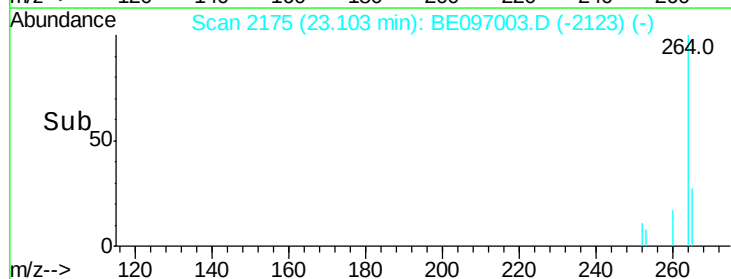
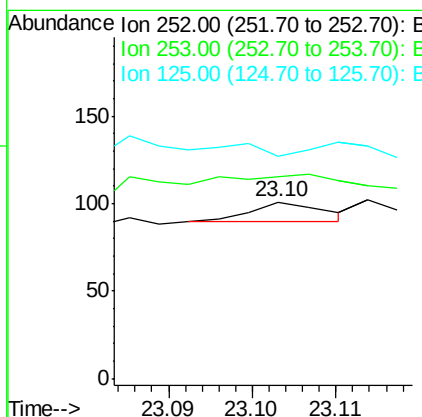
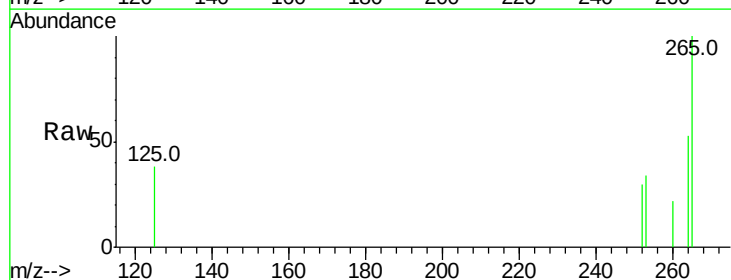
Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.5	30.7
265	25.8	22.8	34.2

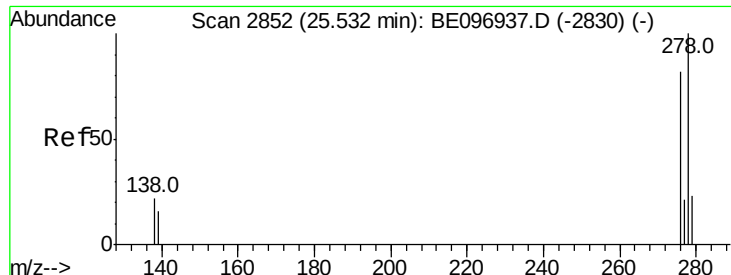


#37
Benzo(a)pyrene
Concen: 0.101 ng
RT: 23.10 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE097003.D
Acq: 19 Jul 2018 13:57

Tgt Ion:252 Resp: 6

Ion	Ratio	Lower	Upper
252	100		
253	113.9	16.0	24.0#
125	125.7	12.0	18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.119 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097003.D

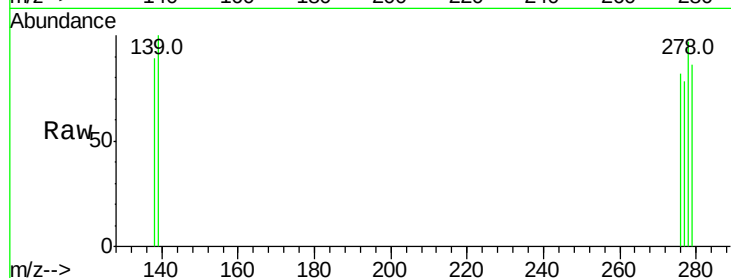
Acq: 19 Jul 2018 13:57

Instrument :

BNA_E

ClientSampleId :

RE103D1-071218



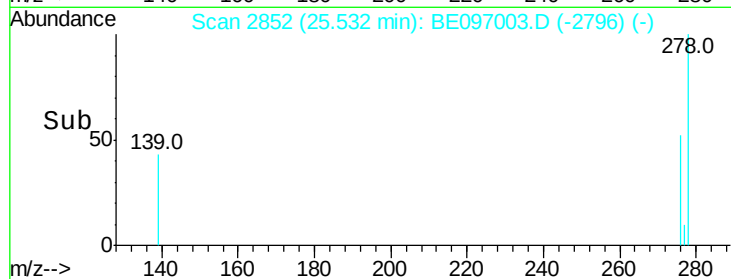
Tot Ion:278 Resp: 64

Ion Ratio Lower Upper

278 100

139 102.8 16.0 24.0#

279 88.7 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

25.53

Time-->

25.50 25.60