

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
 Data File : BE097603.D
 Acq On : 21 Sep 2018 9:52
 Operator : SJ/JU
 Sample : J4892-04RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-09-091118

Quant Time: Sep 21 13:25:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	871	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4104	0.40	ng	0.00
13) Acenaphthene-d10	13.99	164	2949	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	9849	0.40	ng	0.00
27) Chrysene-d12	20.97	240	12197	0.40	ng	0.00
34) Perylene-d12	23.20	264	11971	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	536	0.21	ng	0.00
5) Phenol-d6	6.61	99	399	0.12	ng	0.00
8) Nitrobenzene-d5	8.53	82	1204	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2610	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	720	0.59	ng	0.00
15) 2-Fluorobiphenyl	12.61	172	4863	0.47	ng	-0.01
25) Fluoranthene-d10	18.80	212	56666	0.45	ng	0.00
29) Terphenyl-d14	19.41	244	13102	0.59	ng	-0.01

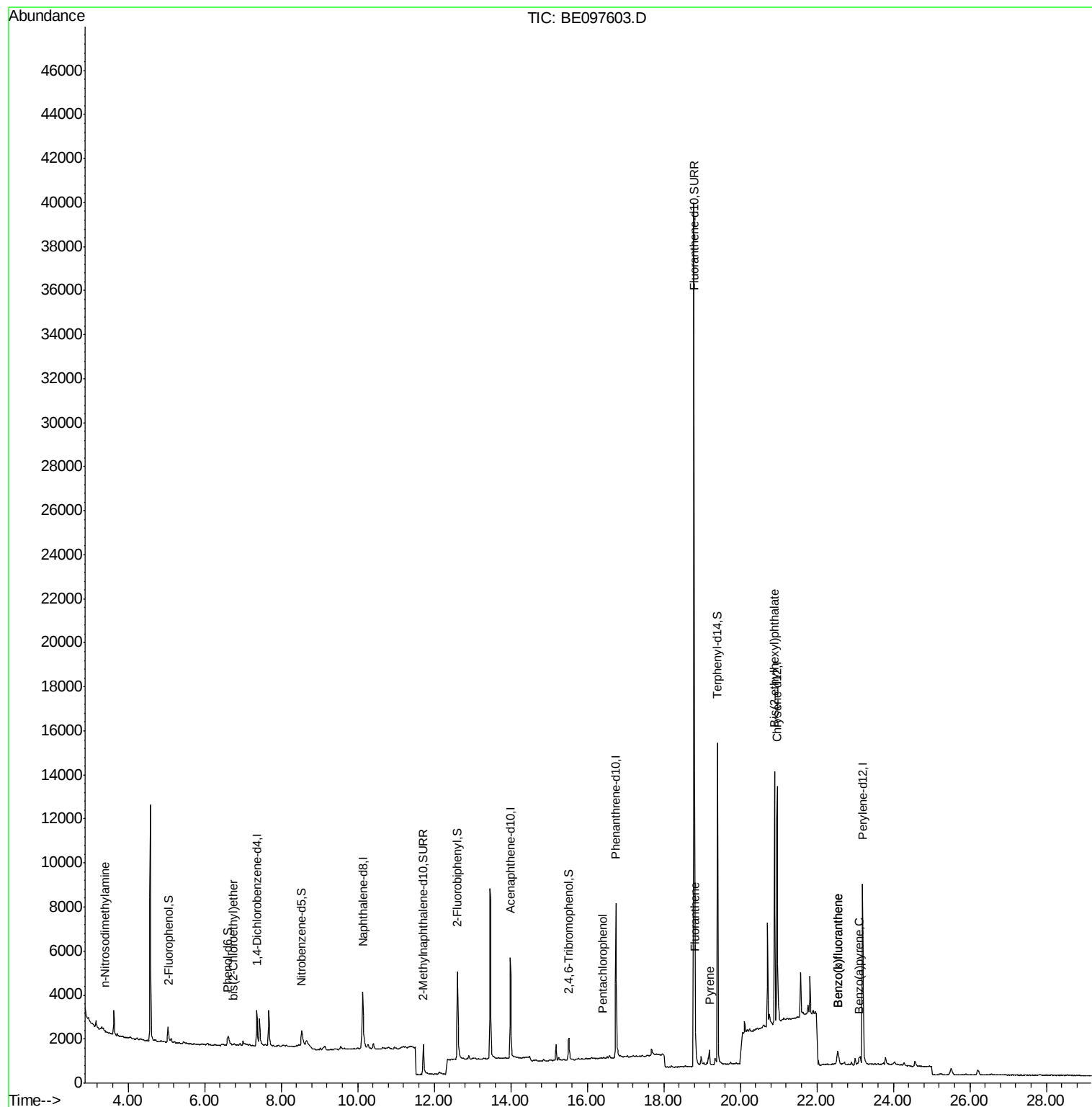
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	6	Below Cal		# 16
3) n-Nitrosodimethylamine	3.41	42	7	0.022	ng	# 1
6) bis(2-Chloroethyl)ether	6.75	93	155	0.050	ng	# 1
22) Pentachlorophenol	16.42	266	45	0.150	ng	91
26) Fluoranthene	18.83	202	807	0.025	ng	# 87
28) Pyrene	19.19	202	700	0.025	ng	97
32) Bis(2-ethylhexyl)phthalate	20.90	149	12415	0.251	ng	# 99
35) Benzo(b)fluoranthene	22.54	252	822	0.027	ng	# 40
36) Benzo(k)fluoranthene	22.54	252	822	0.023	ng	# 18
37) Benzo(a)pyrene	23.10	252	459	0.035	ng	# 1

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

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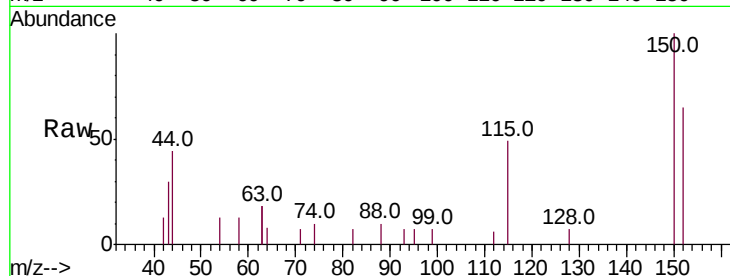


#1

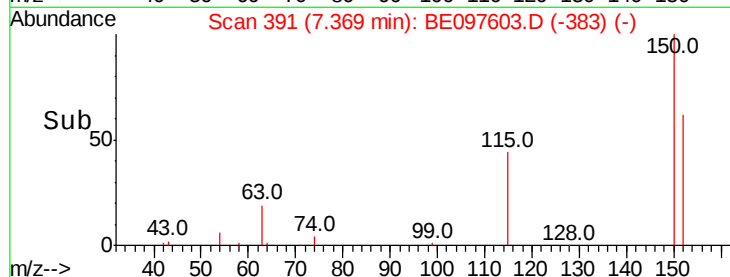
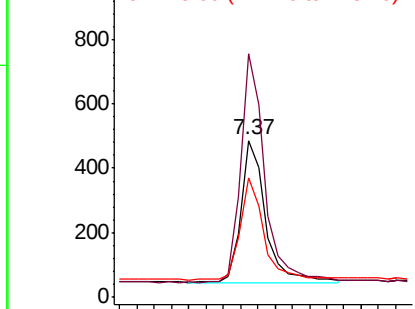
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

Instrument :
BNA_E
ClientSampleId :
C-MW-09-091118

Tot Ion:152 Resp: 871
Ion Ratio Lower Upper
152 100
150 155.0 117.2 175.8
115 76.2 57.0 85.6



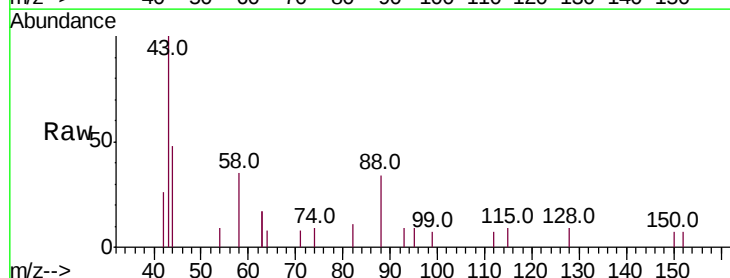
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



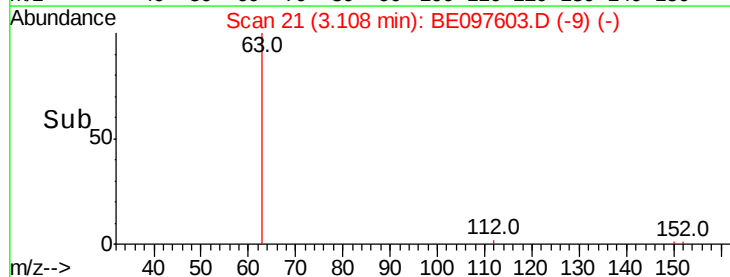
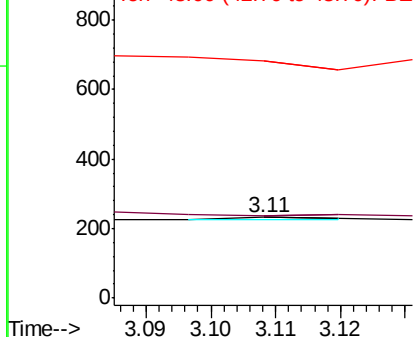
#2

1,4-Dioxane
Concen: Below Cal
RT: 3.11 min Scan# 21
Delta R.T. 0.04 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

Tgt Ion: 88 Resp: 6
Ion Ratio Lower Upper
88 100
58 0.0 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: 0.022 ng

RT: 3.41 min Scan# 47

Delta R.T. 0.04 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

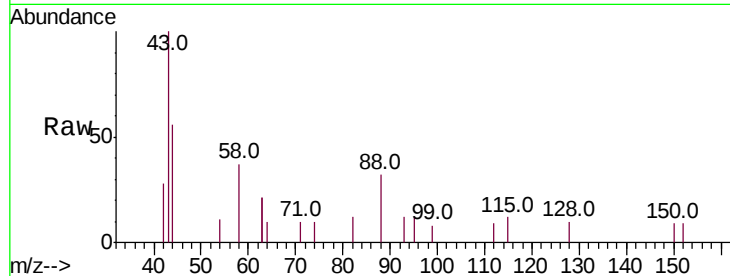
Instrument :

BNA_E

ClientSampleId :

C-MW-09-091118

Tot Ion:	42	Resp:	7
Ion	Ratio	Lower	Upper
42	100		
74	42.9	96.0	144.0#
44	157.1	12.0	18.0#

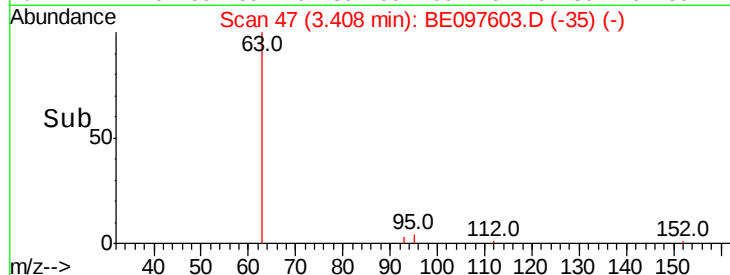


Abundance Ion 42.00 (41.70 to 42.70): BE0

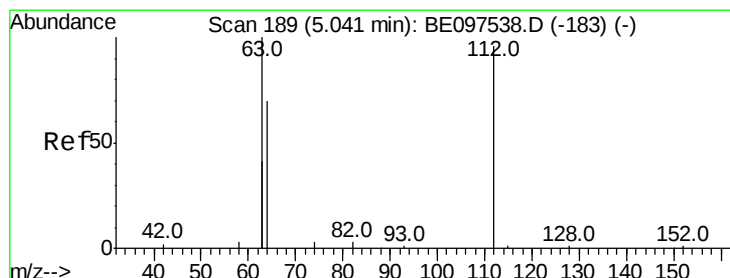
Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time-->



Time-->



#4

2-Fluorophenol

Concen: 0.205 ng

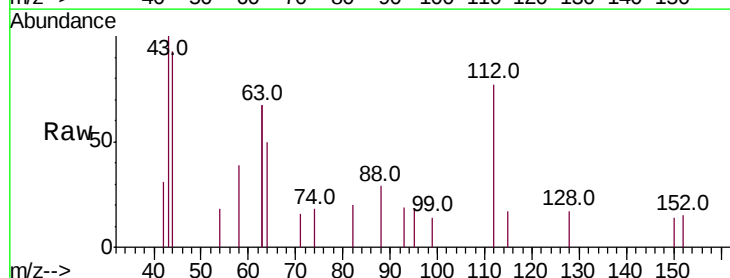
RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

Tgt Ion:	112	Resp:	536
Ion	Ratio	Lower	Upper
112	100		
64	69.4	60.1	90.1
63	148.3	116.8	175.2

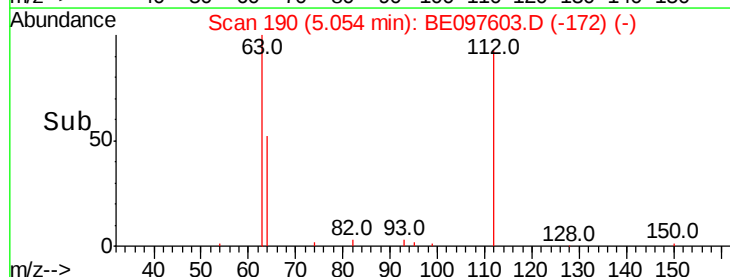


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



Time-->



#5

Phenol-d6

Concen: 0.120 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

Instrument :

BNA_E

ClientSampleId :

C-MW-09-091118

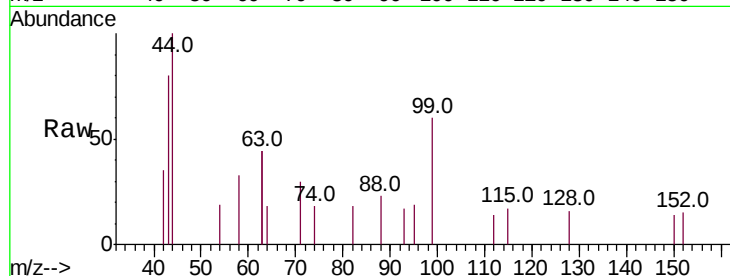
Tot Ion: 99 Resp: 399

Ion Ratio Lower Upper

99 100

42 21.1 20.2 30.2

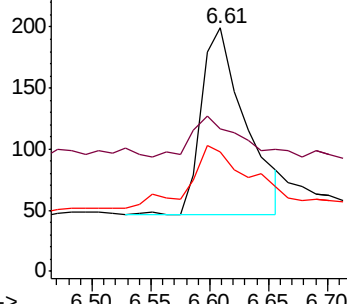
71 43.4 28.4 42.6#



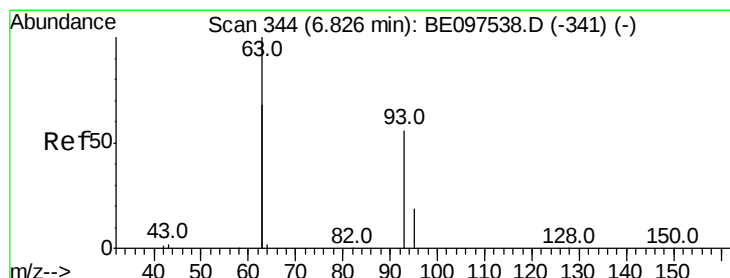
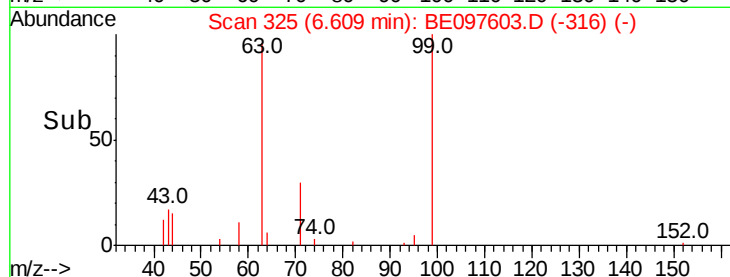
Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.050 ng

RT: 6.75 min Scan# 337

Delta R.T. -0.08 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

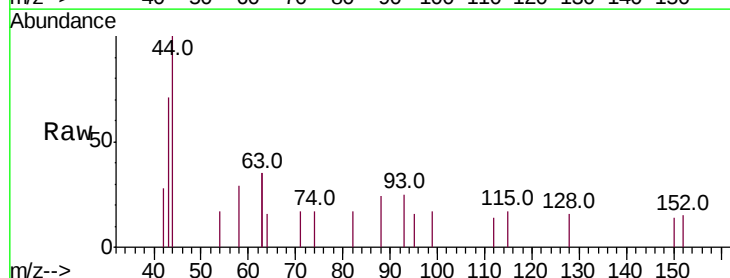
Tgt Ion: 93 Resp: 155

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

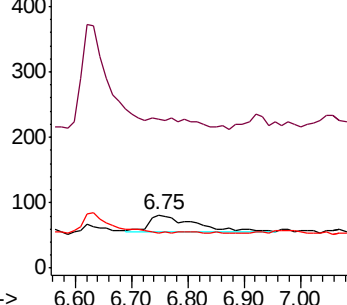
95 5.2 25.2 37.8#



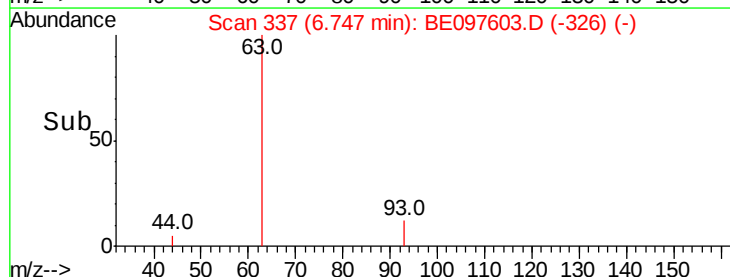
Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

Instrument :

BNA_E

ClientSampleId :

C-MW-09-091118

Tot Ion:136 Resp: 4104

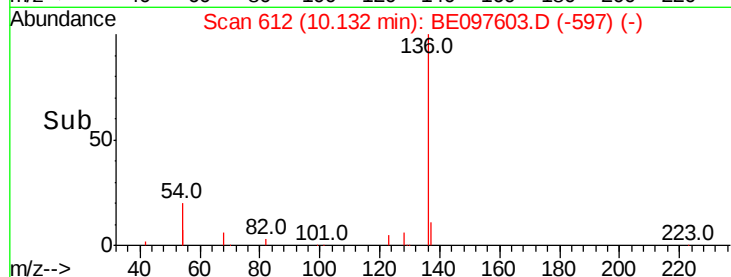
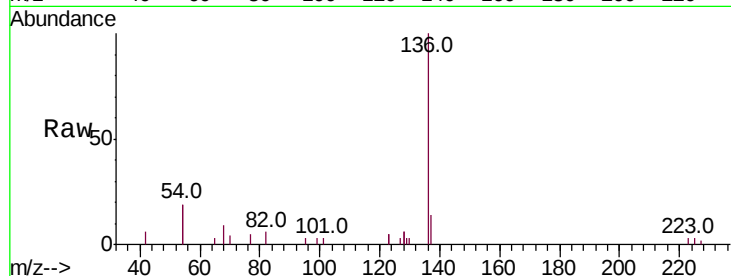
Ion Ratio Lower Upper

136 100

137 13.6 9.5 14.3

54 38.7 29.1 43.7

68 8.9 6.2 9.2

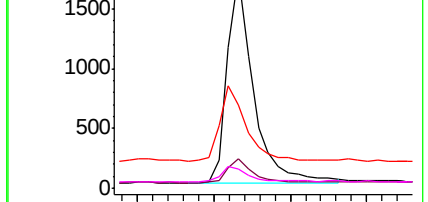


Abundance Ion 136.00 (135.70 to 136.70): E

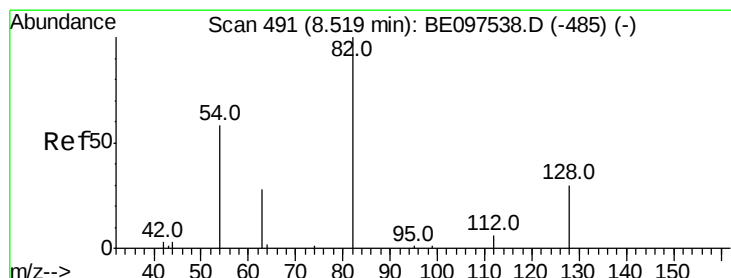
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.380 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

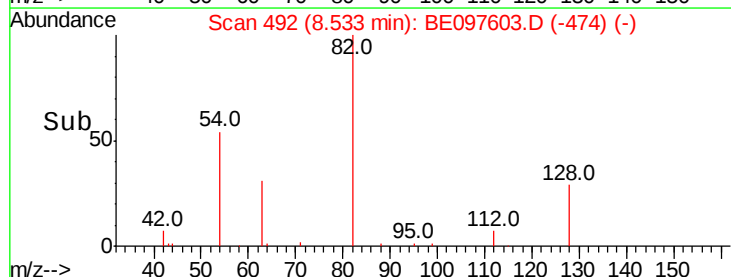
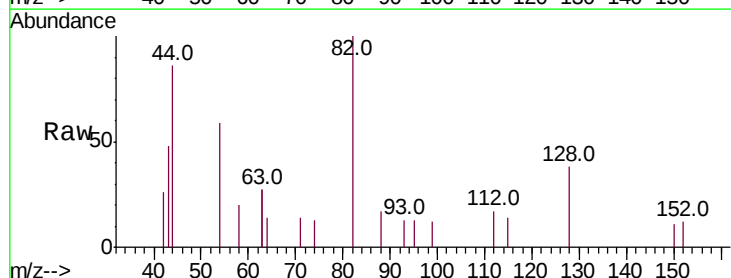
Tgt Ion: 82 Resp: 1204

Ion Ratio Lower Upper

82 100

128 38.0 24.0 36.0#

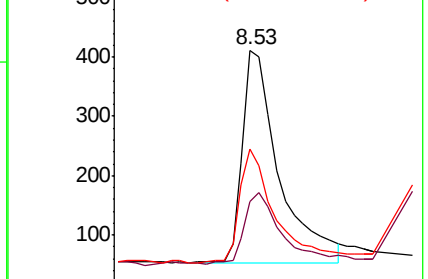
54 59.4 40.0 60.0



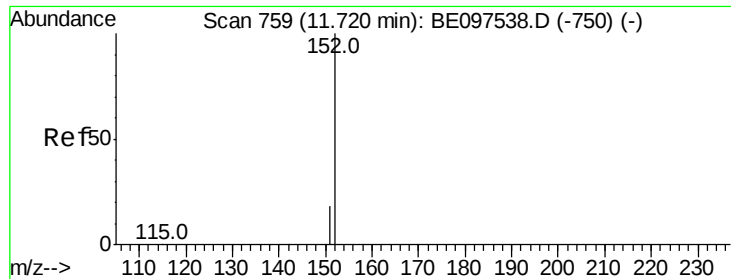
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



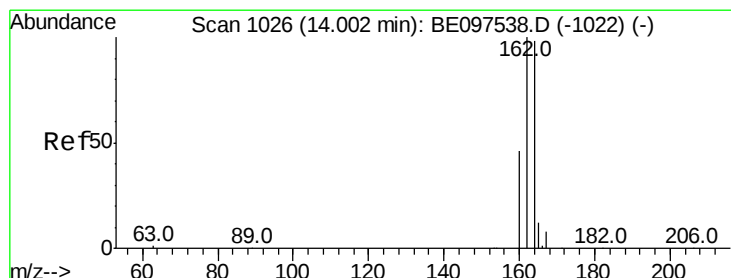
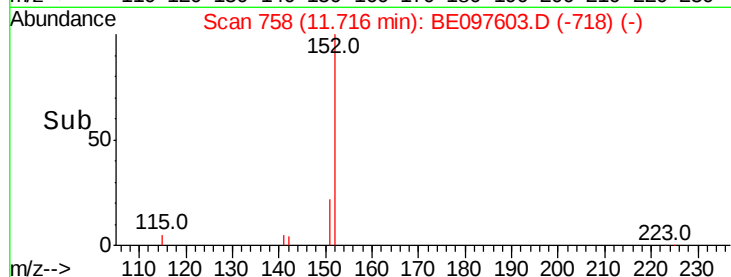
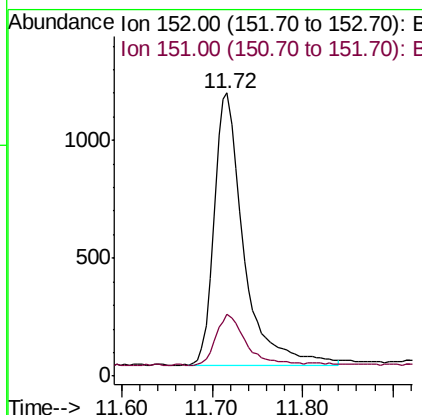
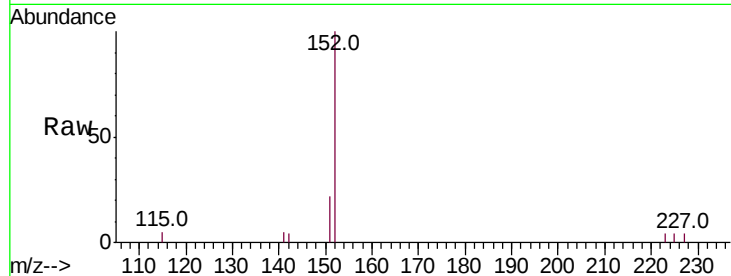
Time-->



#11
2-Methylnaphthalene-d10
Concen: 0.461 ng
RT: 11.72 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

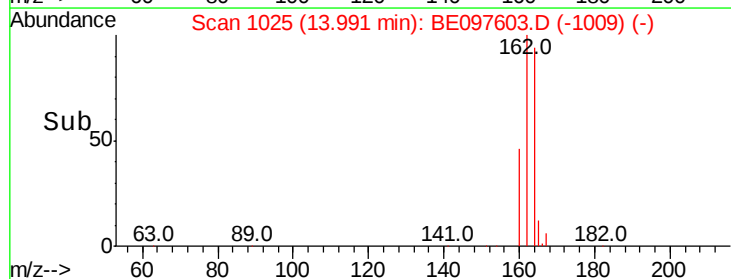
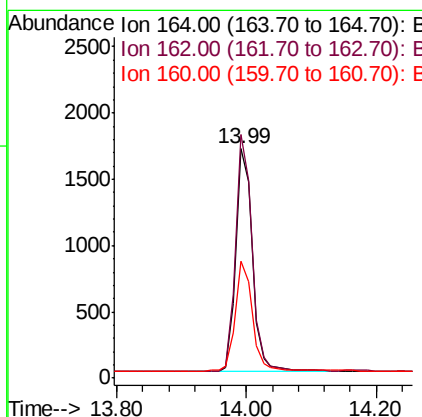
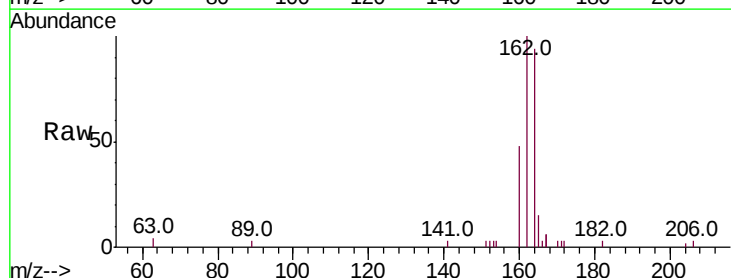
Instrument :
BNA_E
ClientSampleId :
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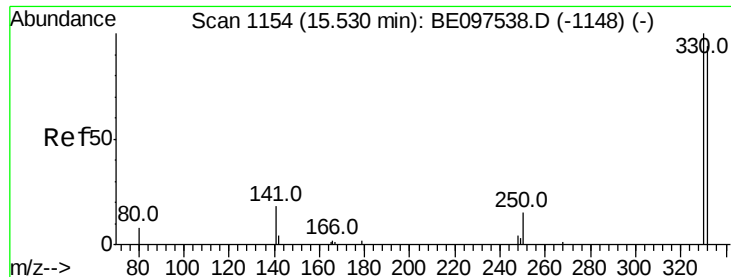
Tot Ion:152 Resp: 2610
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.99 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

Tgt Ion:164 Resp: 2949
Ion Ratio Lower Upper
164 100
162 106.1 83.1 124.7
160 50.7 37.1 55.7

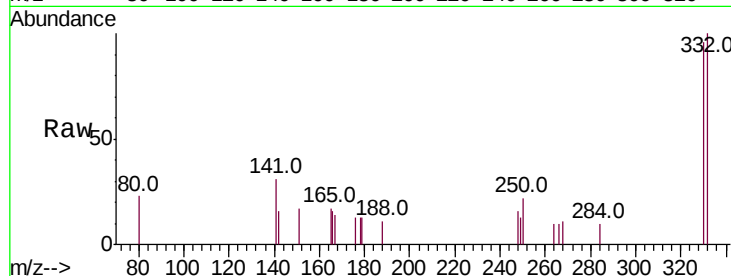




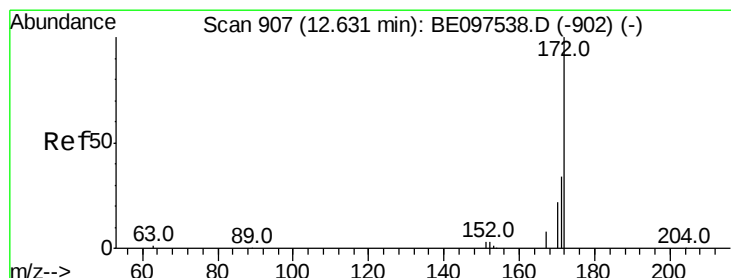
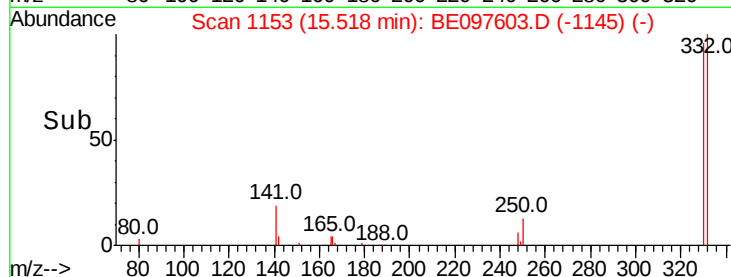
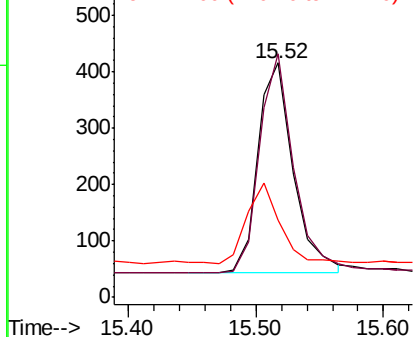
#14
 2,4,6-Tribromophenol
 Concen: 0.589 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE097603.D
 Acq: 21 Sep 2018 9:52

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-09-091118

Tot Ion:330 Resp: 720
 Ion Ratio Lower Upper
 330 100
 332 101.5 152.7 229.1#
 141 34.0 33.7 50.5

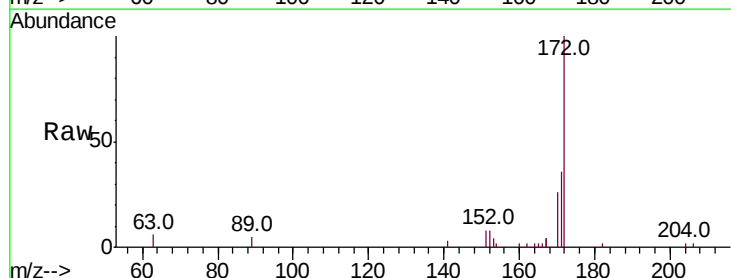


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

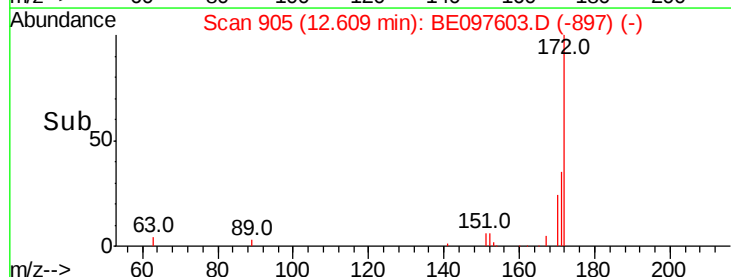
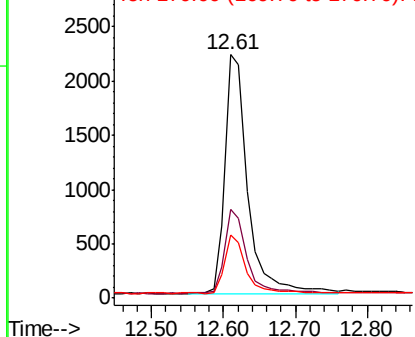


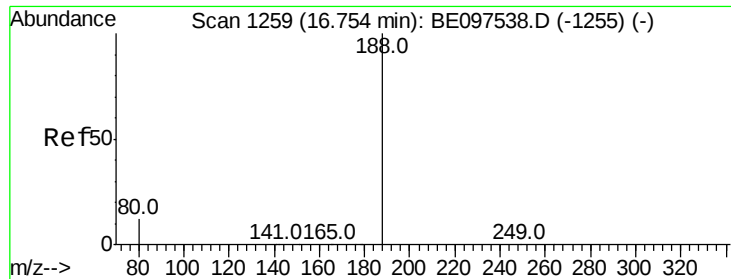
#15
 2-Fluorobiphenyl
 Concen: 0.467 ng
 RT: 12.61 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BE097603.D
 Acq: 21 Sep 2018 9:52

Tgt Ion:172 Resp: 4863
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.9 44.9
 170 25.8 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1259

Delta R.T. -0.00 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

Instrument :

BNA_E

ClientSampleId :

C-MW-09-091118

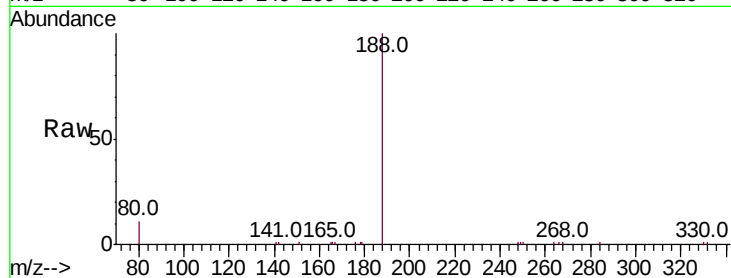
Tot Ion:188 Resp: 9849

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

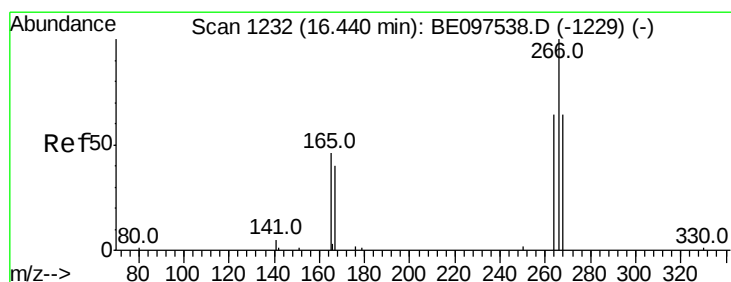
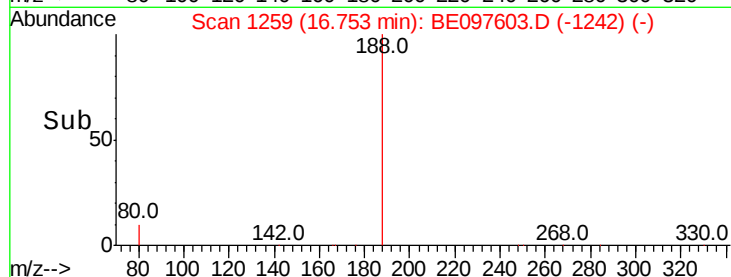
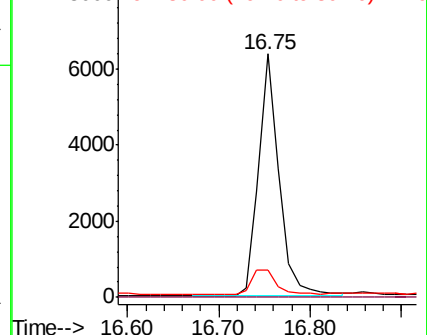
80 11.4 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.150 ng

RT: 16.42 min Scan# 1230

Delta R.T. -0.02 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

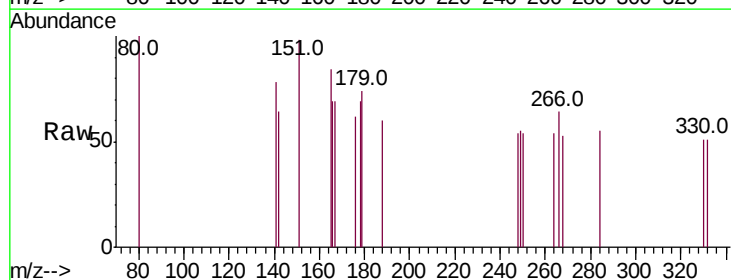
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

264 83.9 72.5 108.7

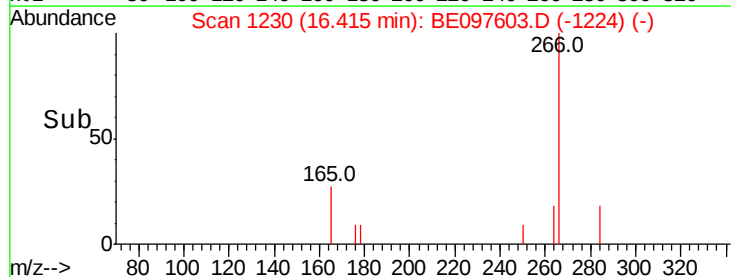
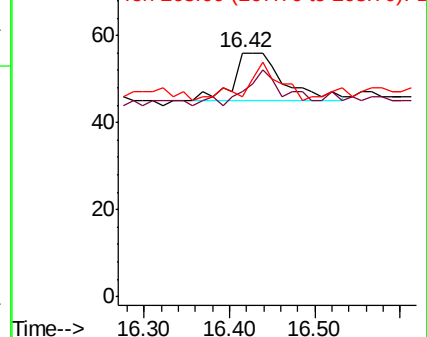
268 82.1 73.8 110.6

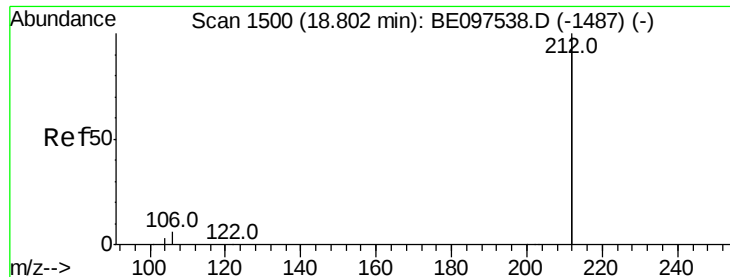


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.449 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

Instrument :

BNA_E

ClientSampleId :

C-MW-09-091118

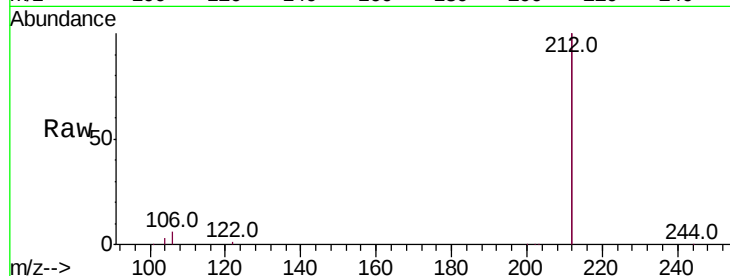
Tot Ion:212 Resp: 56666

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

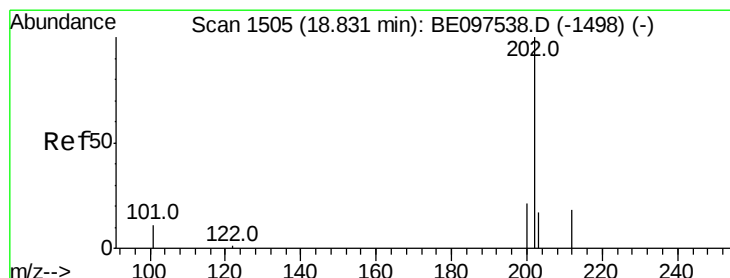
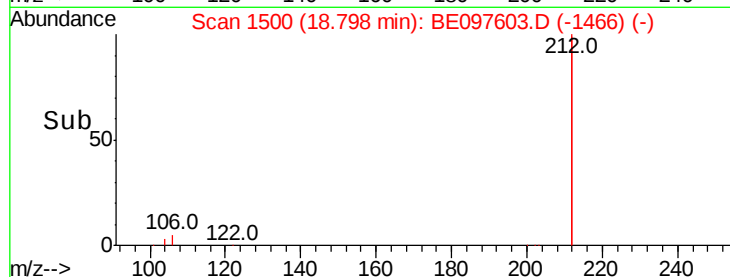
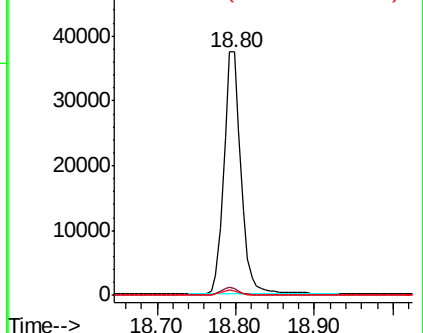
104 1.8 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.025 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.01 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

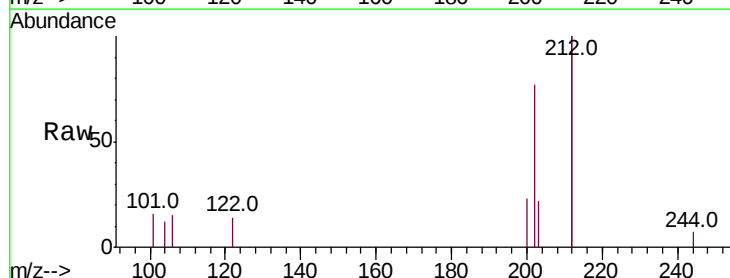
Tgt Ion:202 Resp: 807

Ion Ratio Lower Upper

202 100

101 21.8 9.8 14.8#

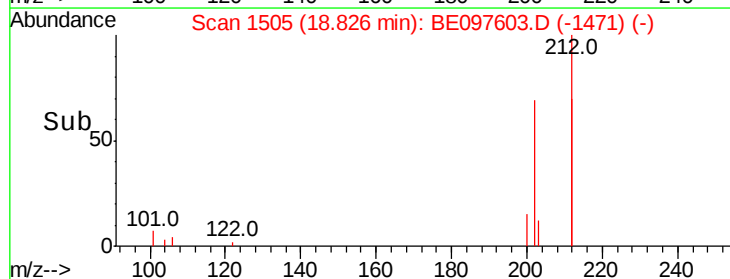
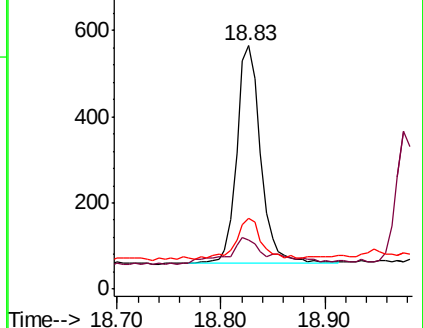
203 19.3 13.7 20.5

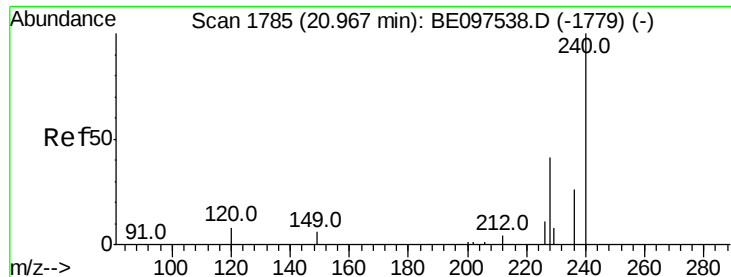


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

Instrument :

BNA_E

ClientSampleId :

C-MW-09-091118

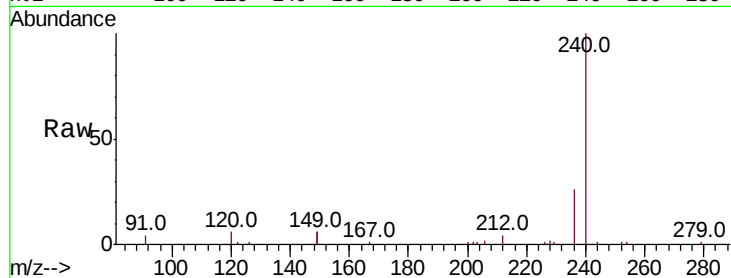
Tot Ion:240 Resp: 12197

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

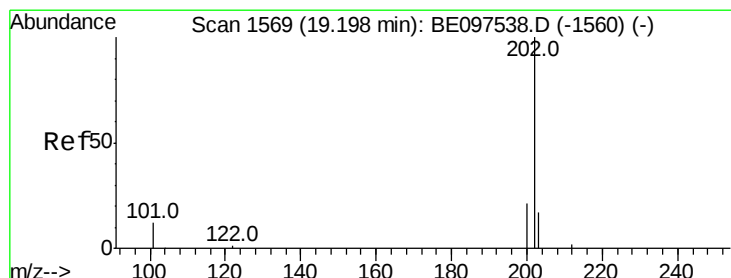
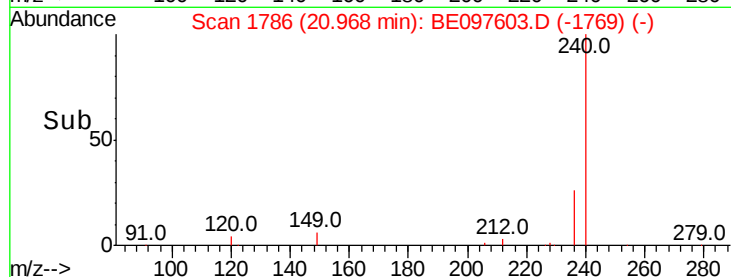
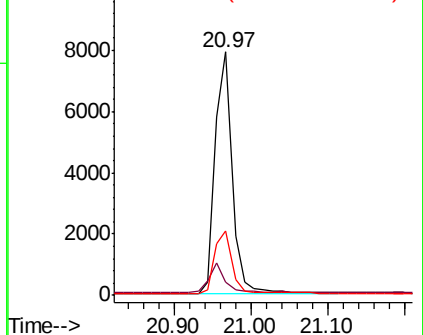
236 26.3 20.7 31.1



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



#28

Pyrene

Concen: 0.025 ng

RT: 19.19 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

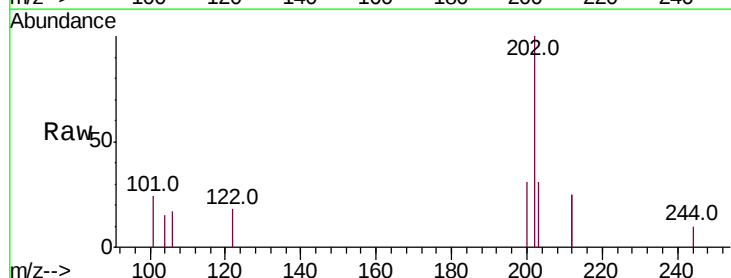
Tgt Ion:202 Resp: 700

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

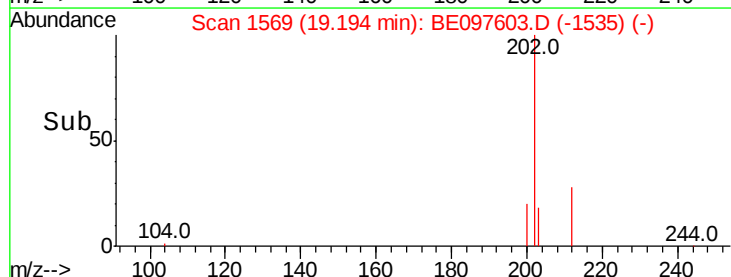
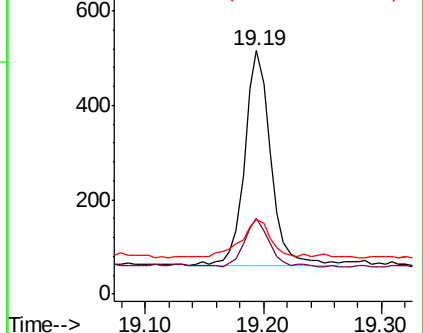
203 20.0 13.8 20.8

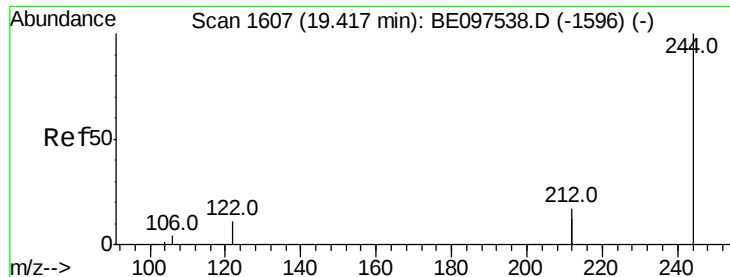


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.587 ng

RT: 19.41 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

Instrument :

BNA_E

ClientSampleId :

C-MW-09-091118

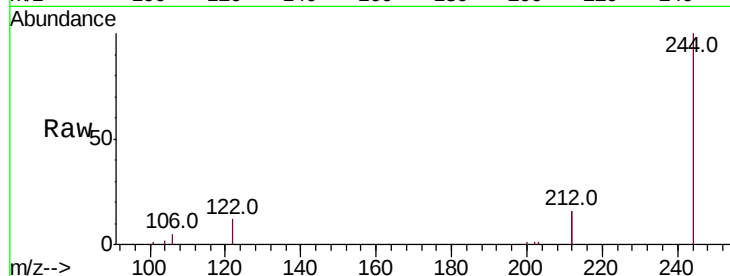
Tot Ion:244 Resp: 13102

Ion Ratio Lower Upper

244 100

212 32.4 25.4 38.0

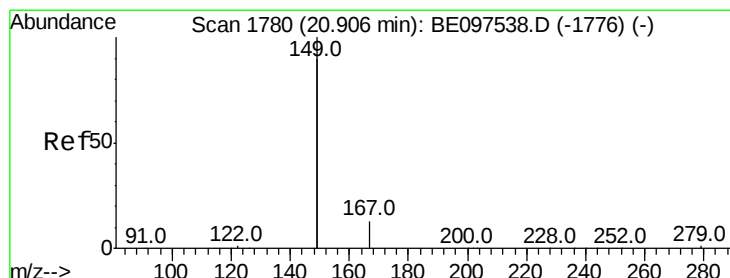
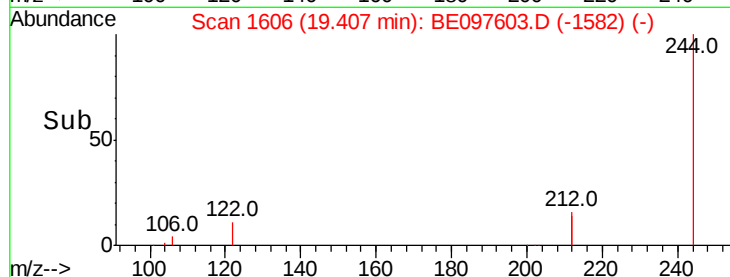
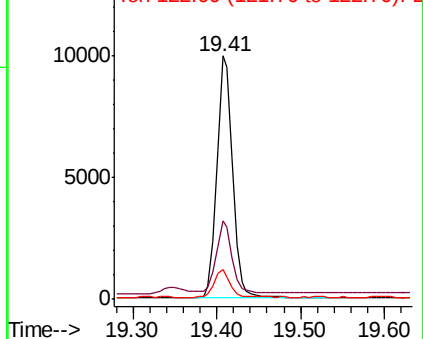
122 12.3 8.1 12.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.251 ng

RT: 20.90 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE097603.D

Acq: 21 Sep 2018 9:52

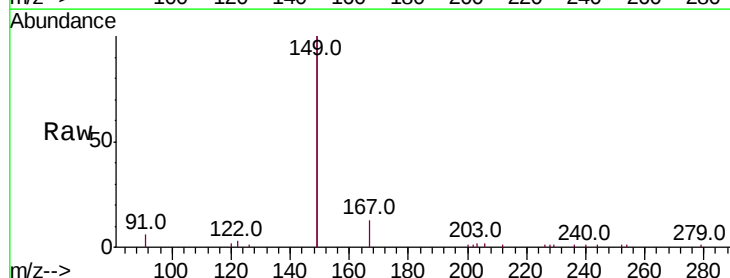
Tgt Ion:149 Resp: 12415

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

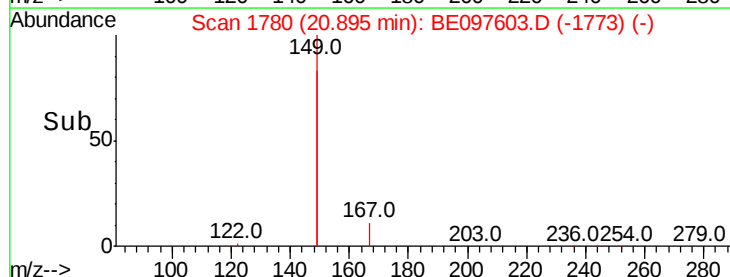
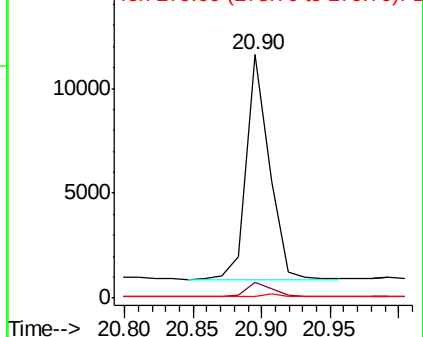
279 1.2 0.7 1.1#

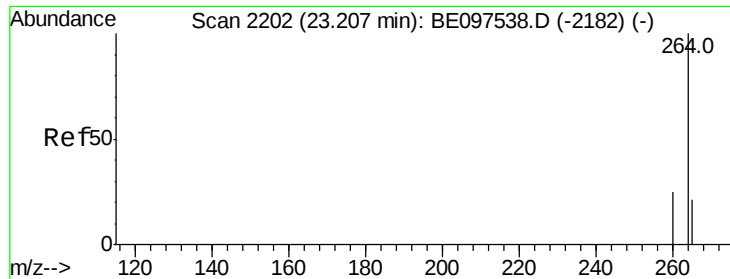


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

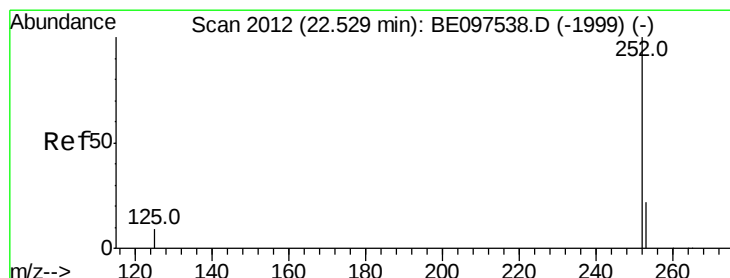
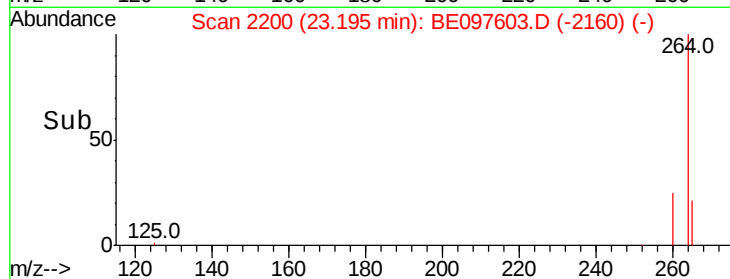
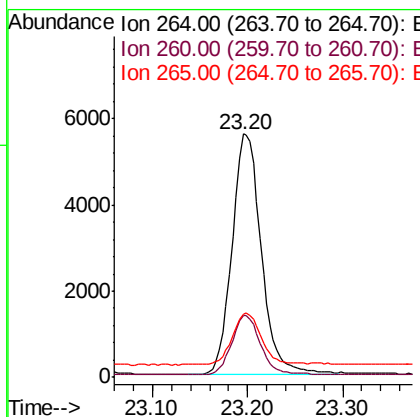
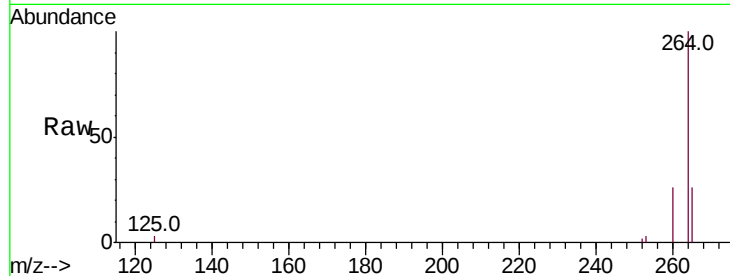




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

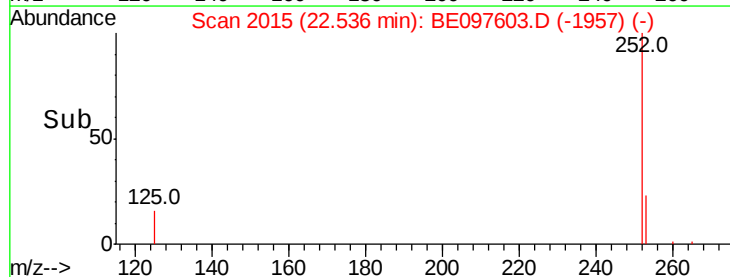
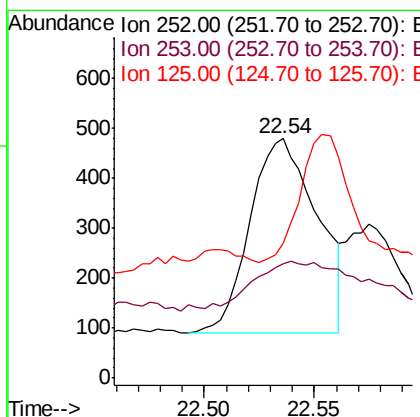
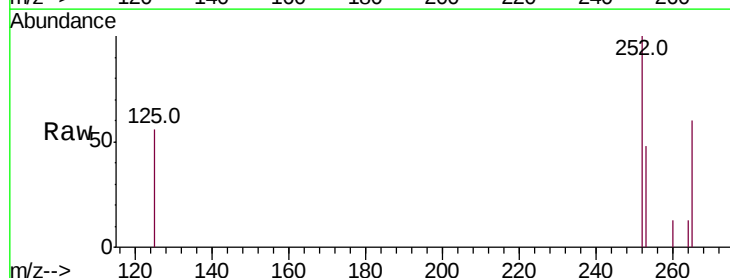
Instrument :
BNA_E
ClientSampleId :
C-MW-09-091118

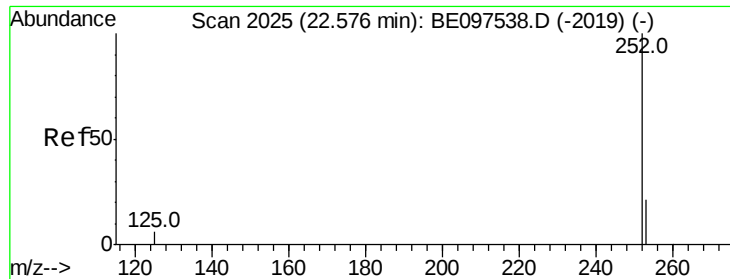
Tot Ion:264 Resp: 11971
Ion Ratio Lower Upper
264 100
260 25.6 20.5 30.7
265 26.2 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.027 ng
RT: 22.54 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

Tgt Ion:252 Resp: 822
Ion Ratio Lower Upper
252 100
253 47.7 20.0 30.0#
125 56.0 16.0 24.0#

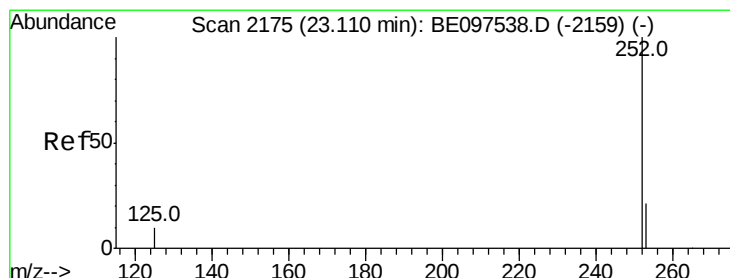
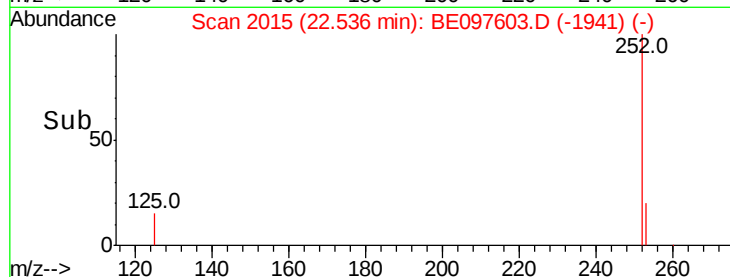
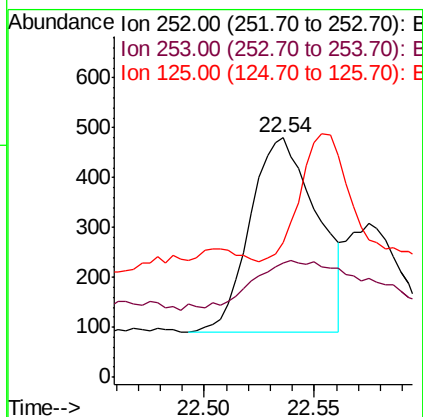
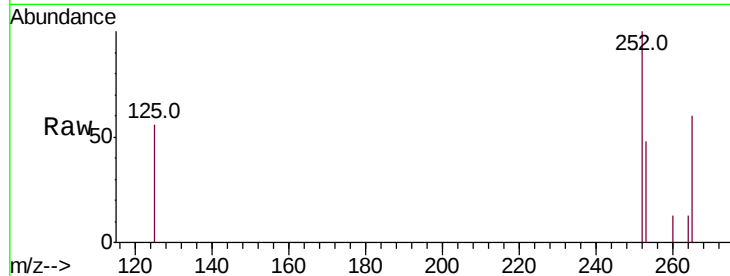




#36
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.04 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

Instrument :
BNA_E
ClientSampleId :
C-MW-09-091118

Tot Ion:252 Resp: 822
Ion Ratio Lower Upper
252 100
253 47.7 16.0 24.0#
125 56.0 8.0 12.0#



#37
Benzo(a)pyrene
Concen: 0.035 ng
RT: 23.10 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE097603.D
Acq: 21 Sep 2018 9:52

Tgt Ion:252 Resp: 459
Ion Ratio Lower Upper
252 100
253 63.2 16.0 24.0#
125 64.2 12.0 18.0#

