

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031119\
 Data File : BE098861.D
 Acq On : 11 Mar 2019 13:39
 Operator : JU/SJ
 Sample : K1793-16DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RE108D2-20190306DL

Quant Time: Mar 11 16:39:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

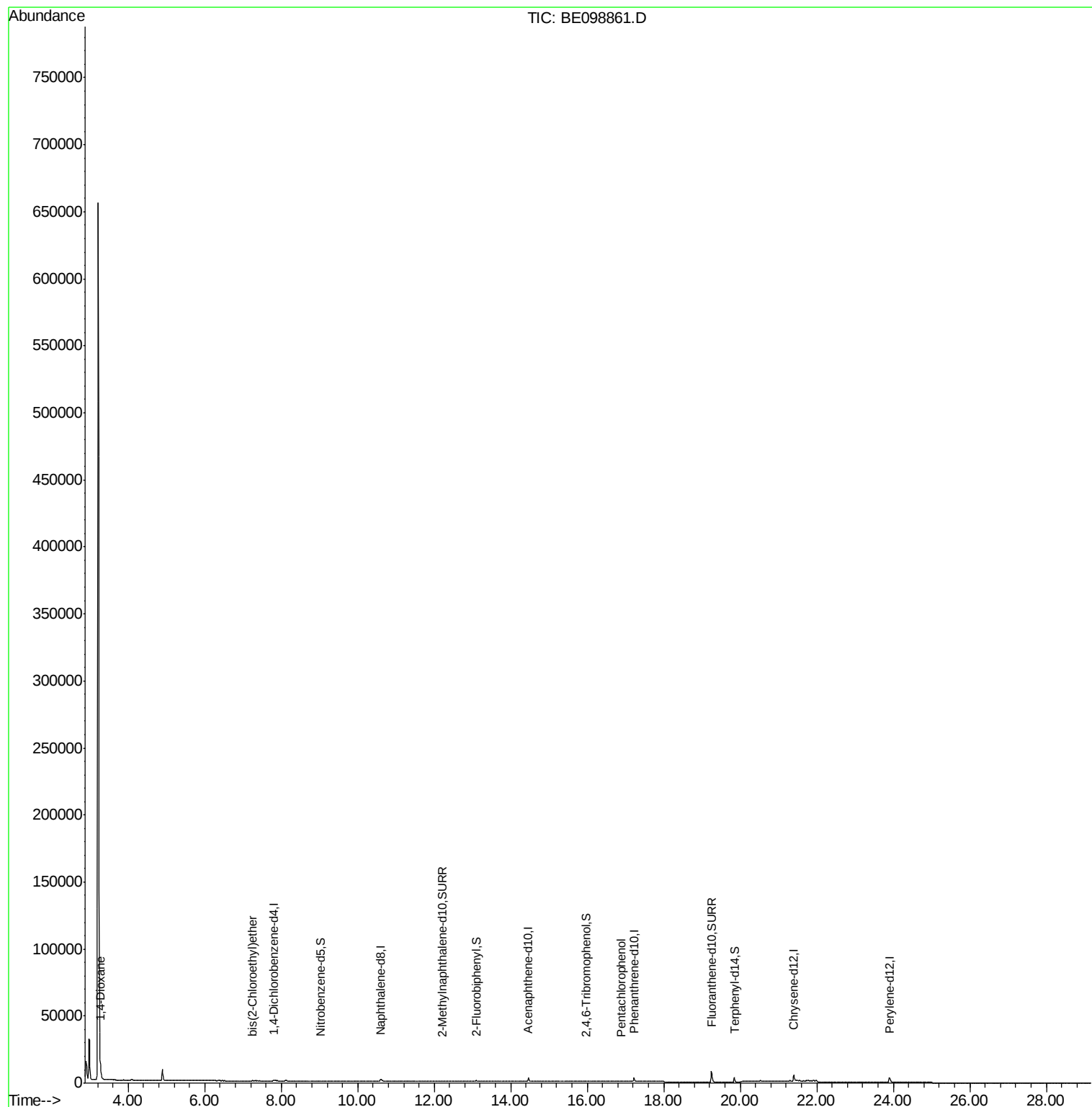
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	701	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	3357	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	2382	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	6358	0.40	ng	0.00
27) Chrysene-d12	21.40	240	7315	0.40	ng	0.00
34) Perylene-d12	23.90	264	7083	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	4	0.00	ng	-0.05
5) Phenol-d6	6.95	99	2	0.00	ng	-0.03
8) Nitrobenzene-d5	9.04	82	393	0.11	ng	0.08
11) 2-Methylnaphthalene-d10	12.22	152	1017	0.16	ng	0.03
14) 2,4,6-Tribromophenol	15.98	330	190	0.16	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	1845	0.19	ng	0.01
25) Fluoranthene-d10	19.25	212	16805	0.17	ng	0.00
29) Terphenyl-d14	19.84	244	4109	0.23	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.28	88	3083	2.752	ng	96
6) bis(2-Chloroethyl)ether	7.24	93	63	0.028	ng	# 1
22) Pentachlorophenol	16.88	266	2	0.266	ng	90

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

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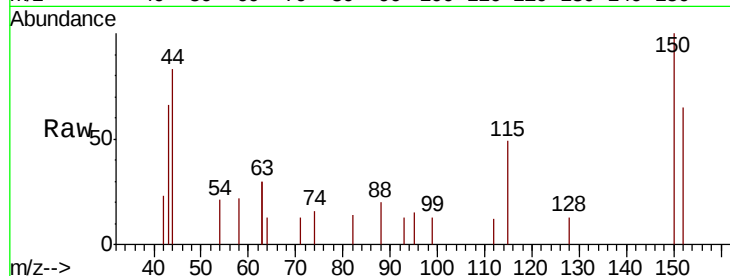


#1

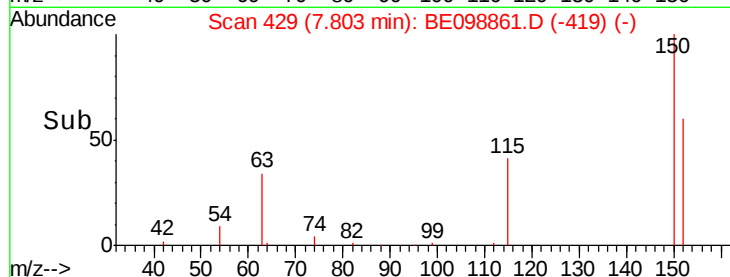
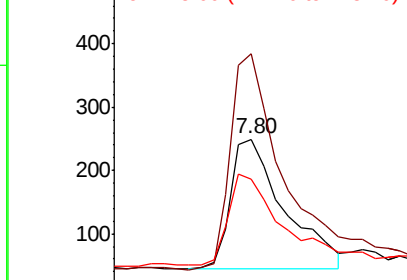
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.01 min
Lab File: BE098861.D
Acq: 11 Mar 2019 13:39

Instrument :
BNA_M
ClientSampleId :
RE108D2-20190306DL

Tot Ion:152 Resp: 701
Ion Ratio Lower Upper
152 100
150 154.2 122.5 183.7
115 75.1 57.4 86.2



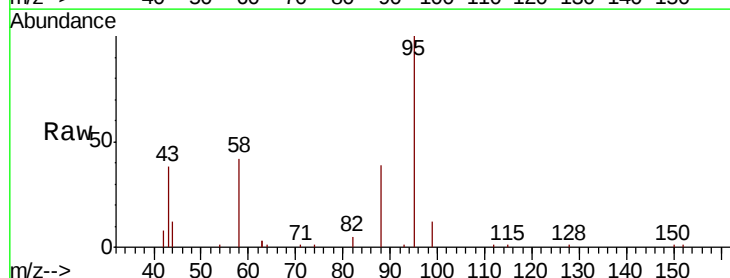
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



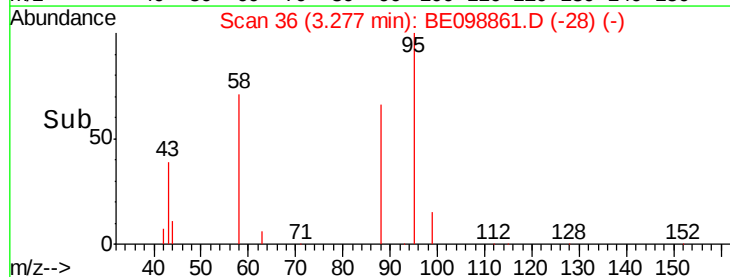
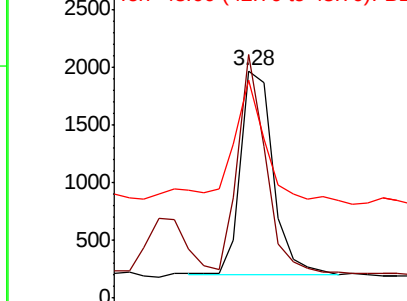
#2

1,4-Dioxane
Concen: 2.752 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098861.D
Acq: 11 Mar 2019 13:39

Tgt Ion: 88 Resp: 3083
Ion Ratio Lower Upper
88 100
58 89.6 75.8 113.6
43 54.2 41.8 62.8



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





#4

2-Fluorophenol

Concen: 0.002 ng

RT: 5.34 min Scan# 215

Delta R.T. -0.05 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

Instrument :

BNA_M

ClientSampleId :

RE108D2-20190306DL

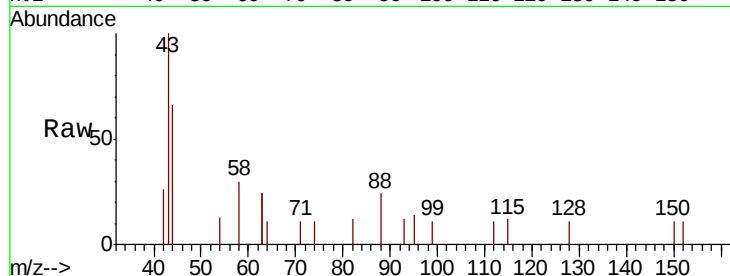
Tot Ion: 112 Resp: 4

Ion Ratio Lower Upper

112 100

64 0.0 57.9 86.9#

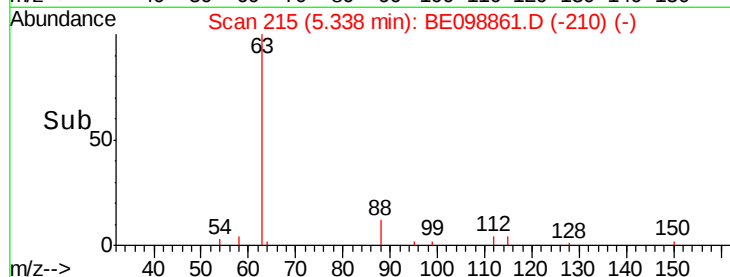
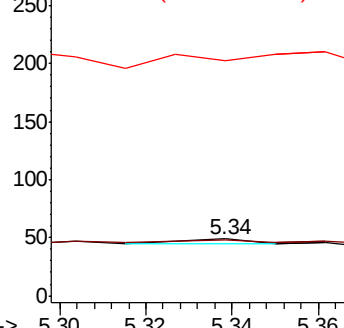
63 0.0 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.001 ng

RT: 6.95 min Scan# 355

Delta R.T. -0.03 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

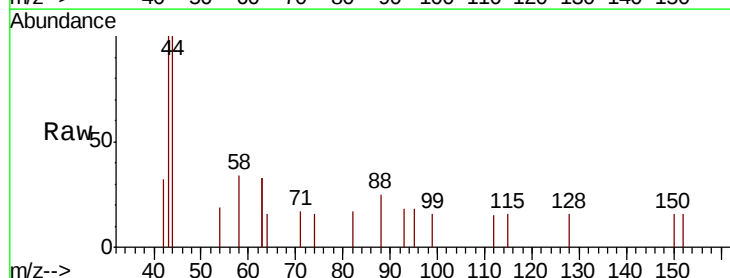
Tgt Ion: 99 Resp: 2

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

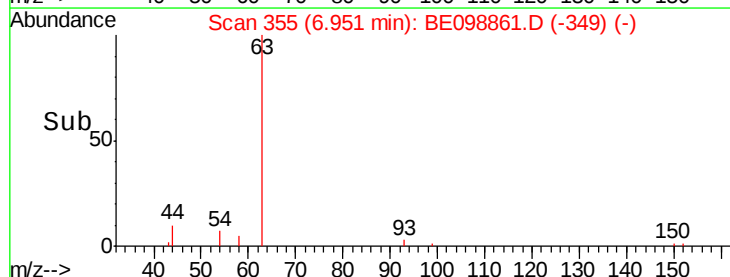
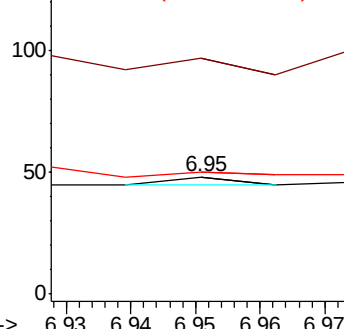
71 0.0 35.7 53.5#

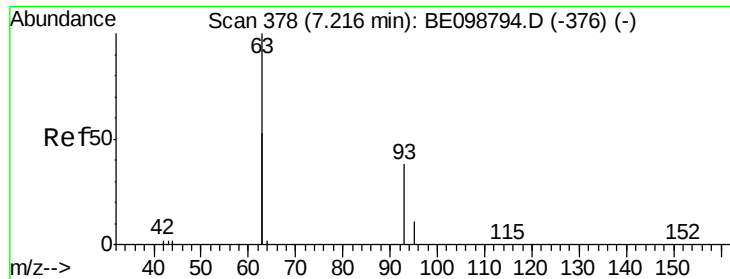


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 7.24 min Scan# 380

Delta R.T. 0.02 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

Instrument :

BNA_M

ClientSampleId :

RE108D2-20190306DL

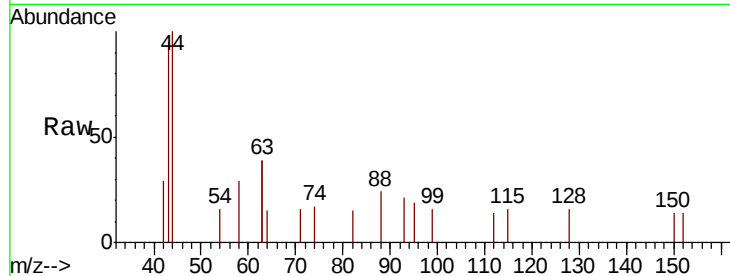
Tot Ion: 93 Resp: 63

Ion Ratio Lower Upper

93 100

63 0.0 247.5 371.3#

95 33.3 21.8 32.8#



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

300

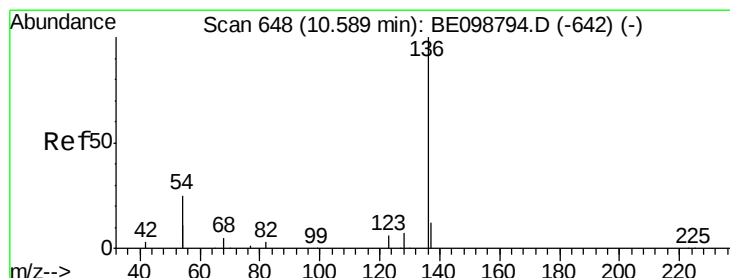
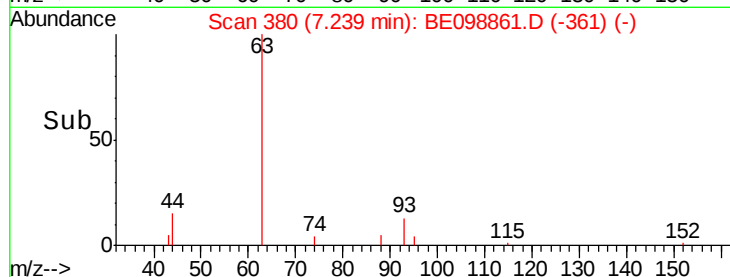
200

100

0

7.10 7.15 7.20 7.25 7.30

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

Tgt Ion: 136 Resp: 3357

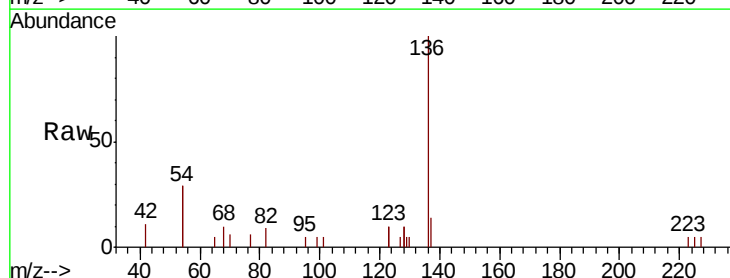
Ion Ratio Lower Upper

136 100

137 13.7 11.4 17.0

54 57.9 39.3 58.9

68 10.1 6.7 10.1



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

1500

1000

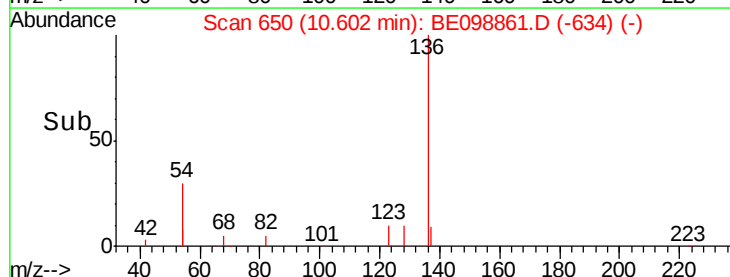
500

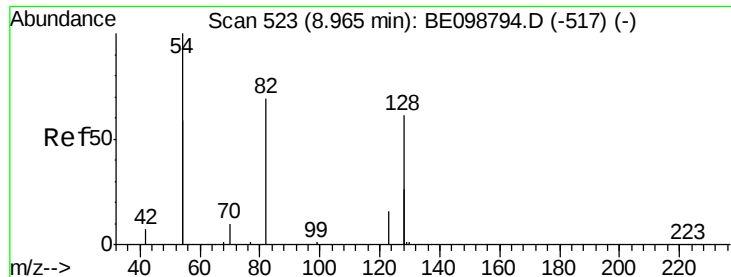
0

10.60

10.80

Time-->

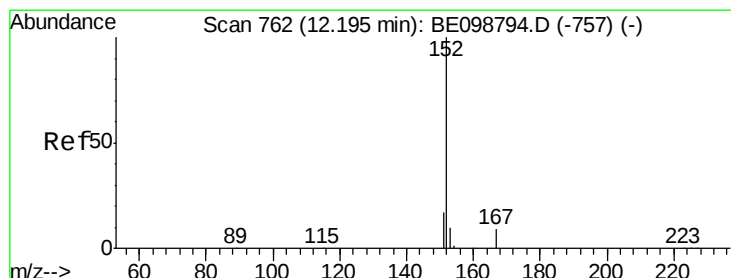
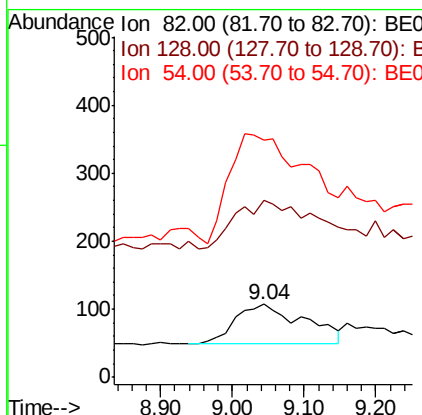
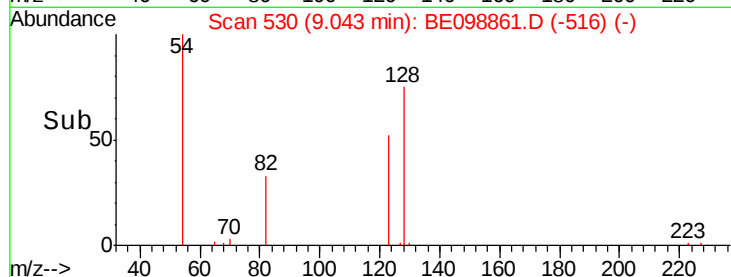
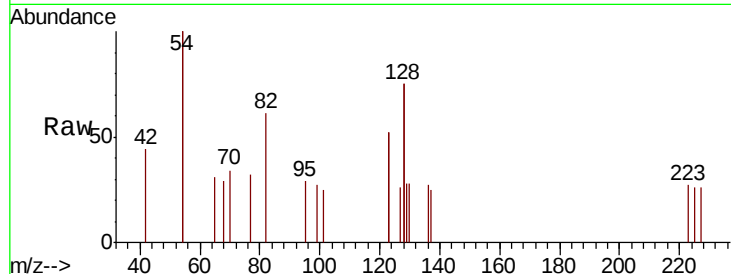




#8
 Nitrobenzene-d5
 Concen: 0.112 ng
 RT: 9.04 min Scan# 530
 Delta R.T. 0.08 min
 Lab File: BE098861.D
 Acq: 11 Mar 2019 13:39

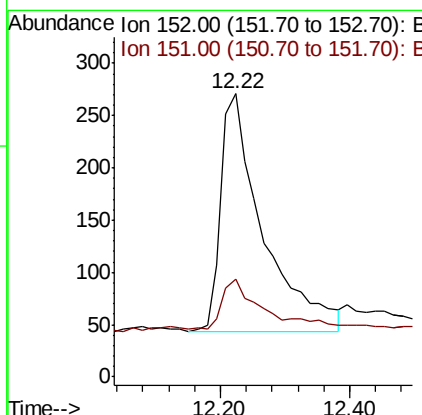
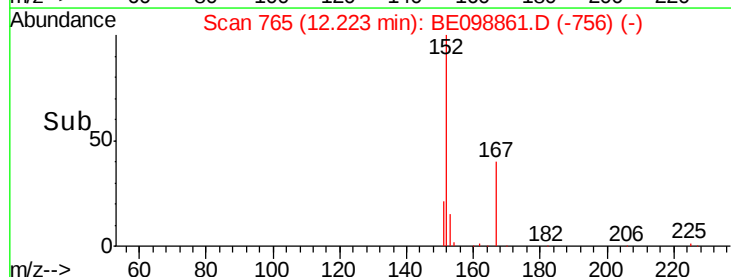
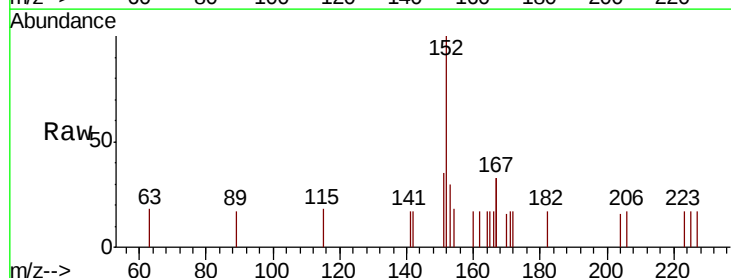
Instrument :
 BNA_M
 ClientSampleId :
 RE108D2-20190306DL

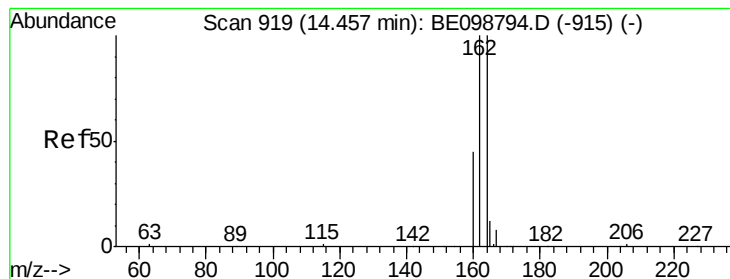
Tot Ion	Ratio	Lower	Upper
82	100		
128	243.0	123.8	185.8#
54	325.2	203.4	305.2#



#11
 2-Methylnaphthalene-d10
 Concen: 0.164 ng
 RT: 12.22 min Scan# 765
 Delta R.T. 0.03 min
 Lab File: BE098861.D
 Acq: 11 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.5	24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

Instrument :

BNA_M

ClientSampleId :

RE108D2-20190306DL

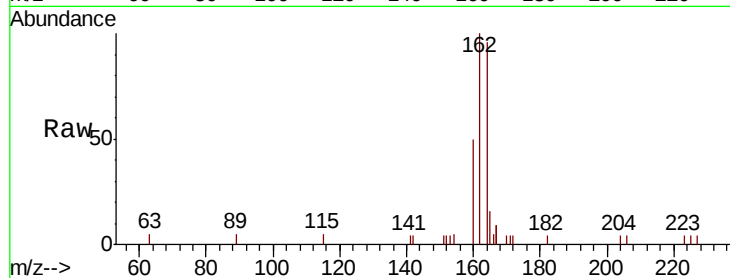
Tot Ion:164 Resp: 2382

Ion Ratio Lower Upper

164 100

162 104.1 80.2 120.2

160 52.1 37.8 56.8

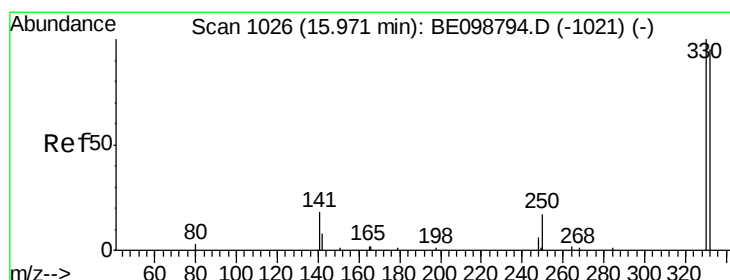
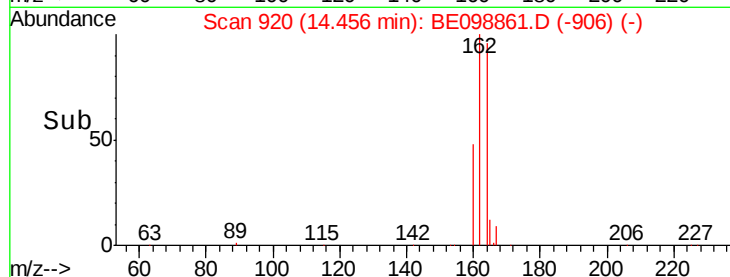
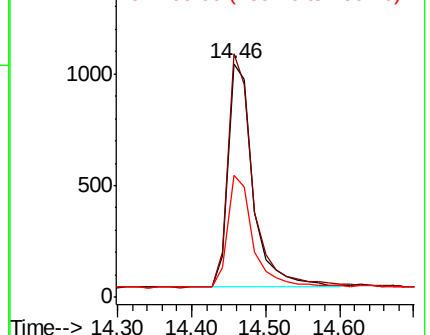


Abundance

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: 0.158 ng

RT: 15.98 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

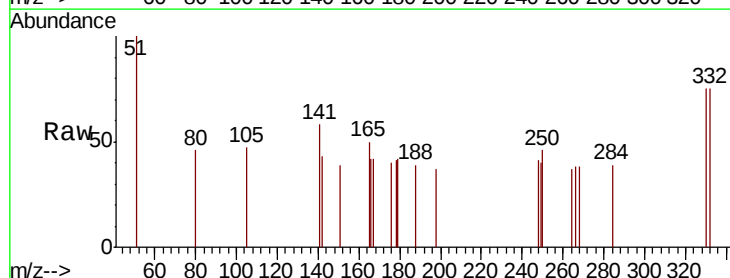
Tgt Ion:330 Resp: 190

Ion Ratio Lower Upper

330 100

332 83.2 77.6 116.4

141 44.7 31.0 46.4

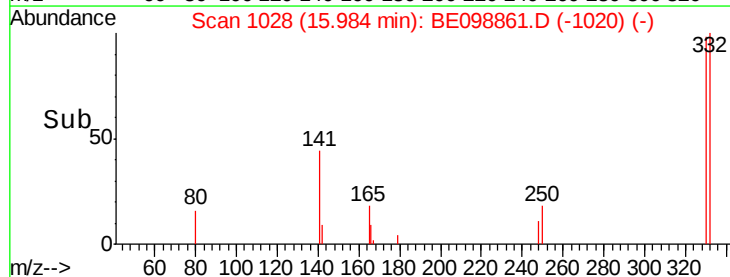
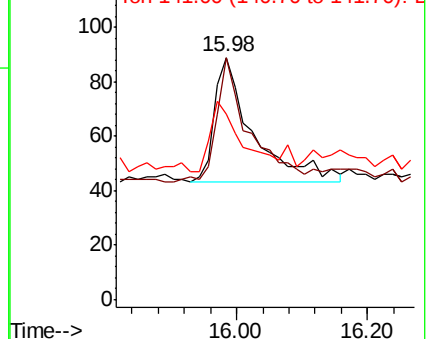


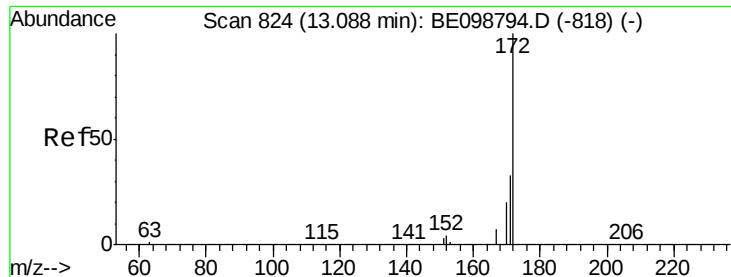
Abundance

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

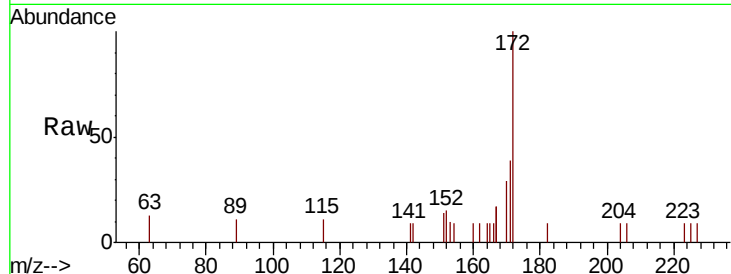




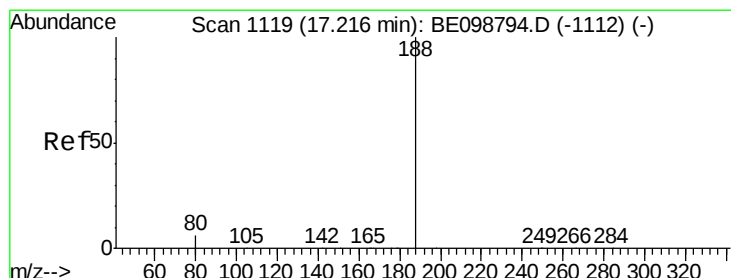
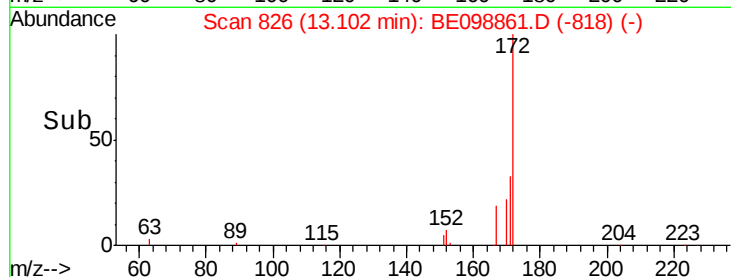
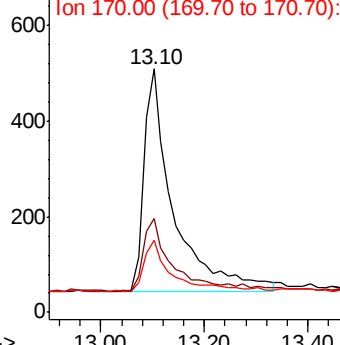
#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 13.10 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE098861.D
Acq: 11 Mar 2019 13:39

Instrument :
BNA_M
ClientSampleId :
RE108D2-20190306DL

Tot Ion:172 Resp: 1845
Ion Ratio Lower Upper
172 100
171 38.5 28.0 42.0
170 29.5 17.7 26.5#

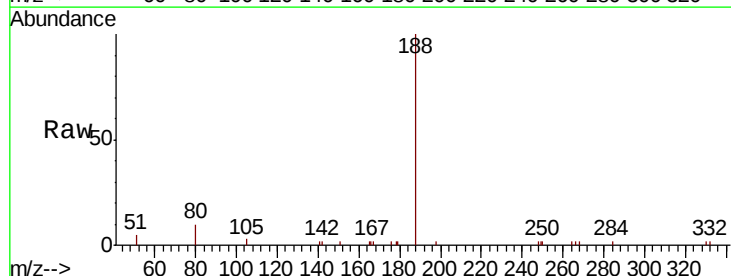


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

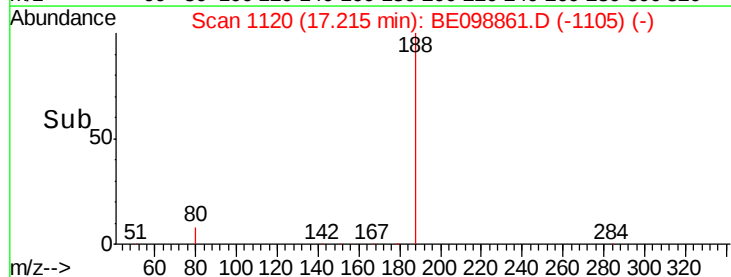
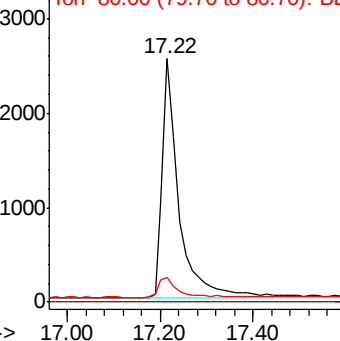


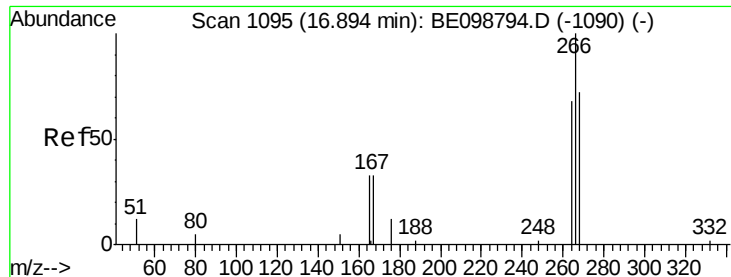
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098861.D
Acq: 11 Mar 2019 13:39

Tgt Ion:188 Resp: 6358
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 6.3 9.5#



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: 0.266 ng

RT: 16.88 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

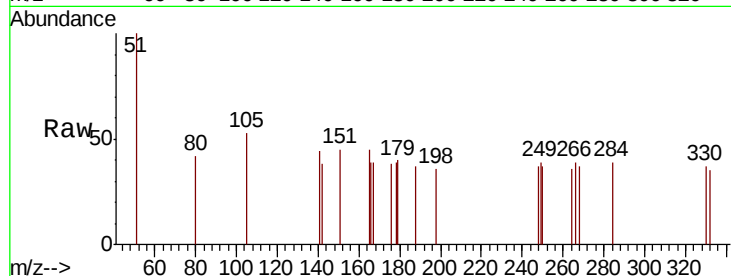
Instrument :

BNA_M

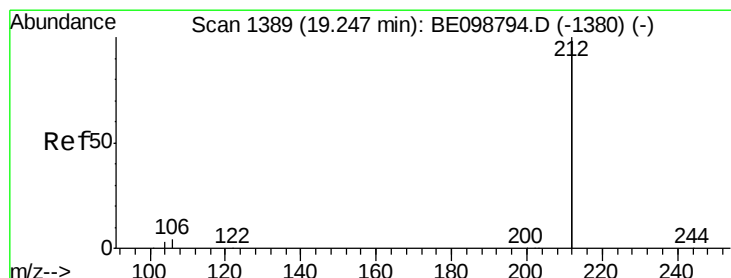
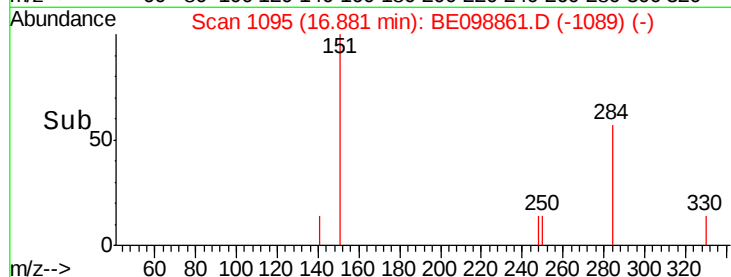
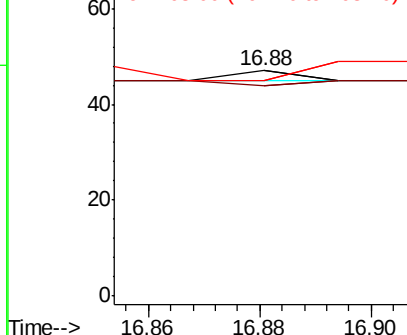
ClientSampleId :

RE108D2-20190306DL

Tot Ion:	266	Resp:	2
Ion	Ratio	Lower	Upper
266	100		
264	93.6	66.6	100.0
268	95.7	69.8	104.8



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: 0.166 ng

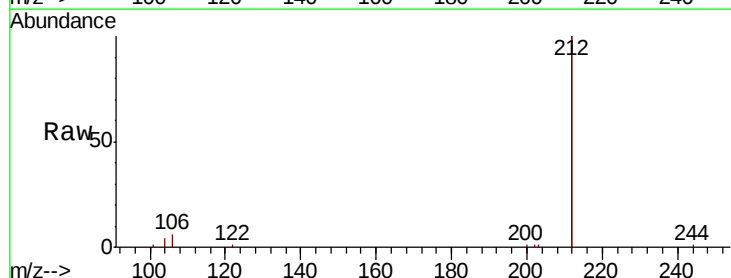
RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

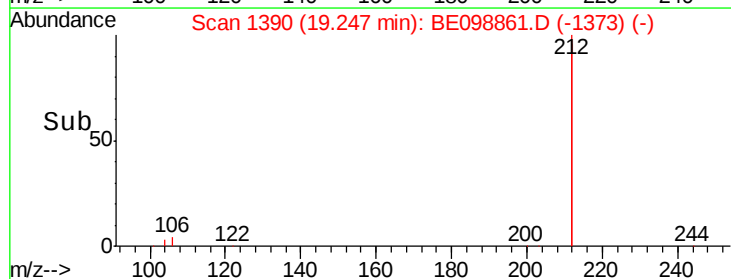
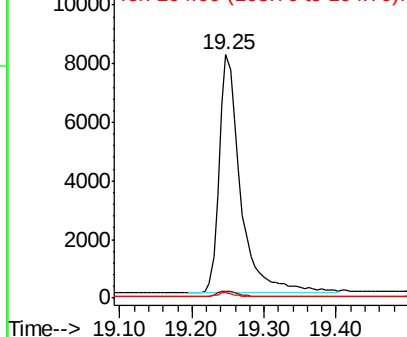
Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

Tgt Ion:	212	Resp:	16805
Ion	Ratio	Lower	Upper
212	100		
106	2.4	1.8	2.8
104	1.5	1.0	1.6



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: 21.40 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

Instrument :

BNA_M

ClientSampleId :

RE108D2-20190306DL

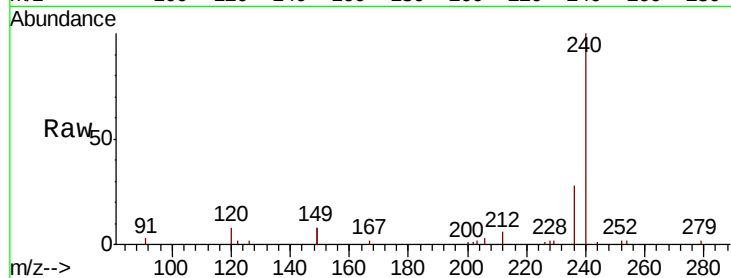
Tot Ion:240 Resp: 7315

Ion Ratio Lower Upper

240 100

120 7.6 5.0 7.4#

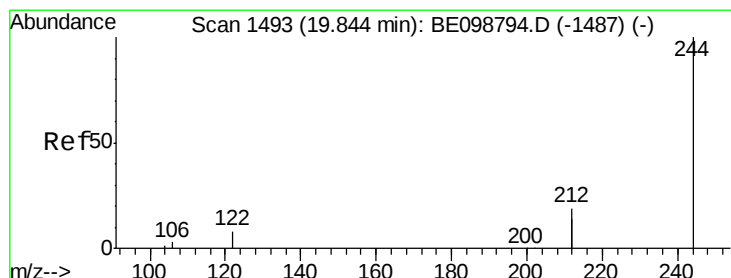
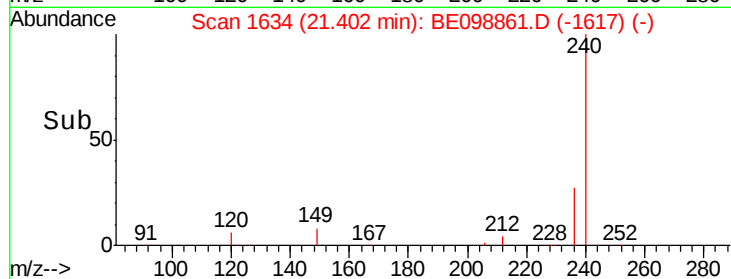
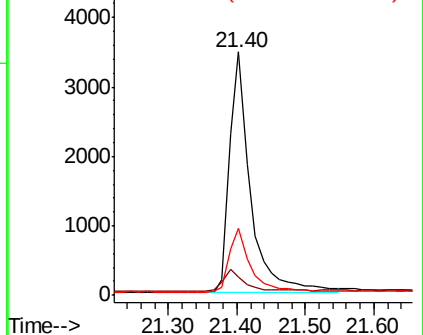
236 27.7 22.7 34.1



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: 0.231 ng

RT: 19.84 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

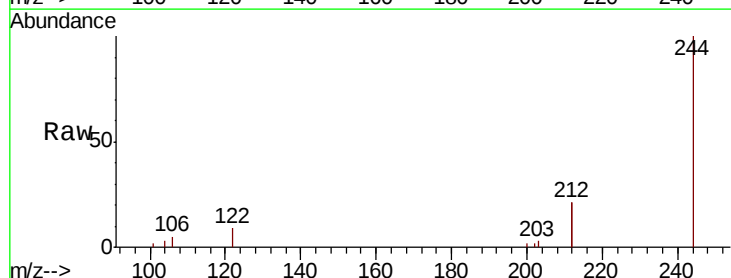
Tgt Ion:244 Resp: 4109

Ion Ratio Lower Upper

244 100

212 41.4 29.4 44.2

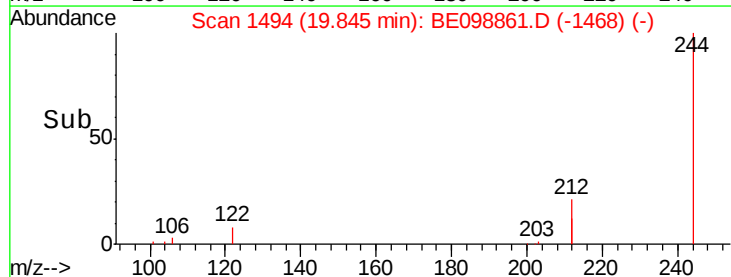
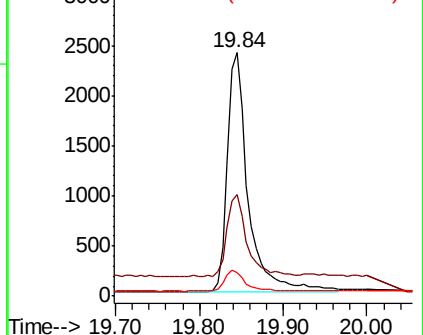
122 9.5 7.1 10.7

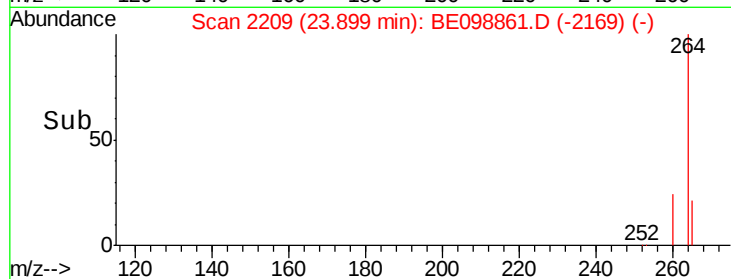
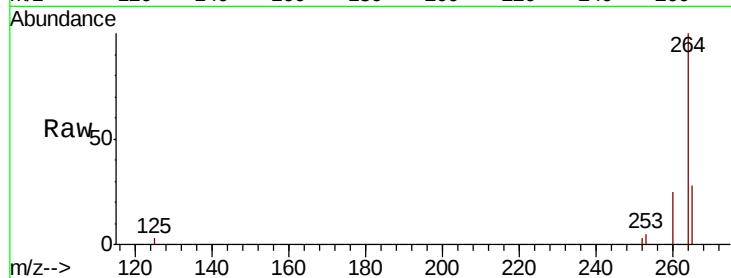


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BE098861.D

Acq: 11 Mar 2019 13:39

Instrument :

BNA_M

ClientSampleId :

RE108D2-20190306DL

Tot Ion:264 Resp: 7083

Ion Ratio Lower Upper

264 100

260 25.4 21.2 31.8

265 27.6 24.6 36.8

