

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097049.D
 Acq On : 23 Jul 2018 23:30
 Operator : SJ/JU
 Sample : J4073-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-071618

Quant Time: Jul 24 05:28:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

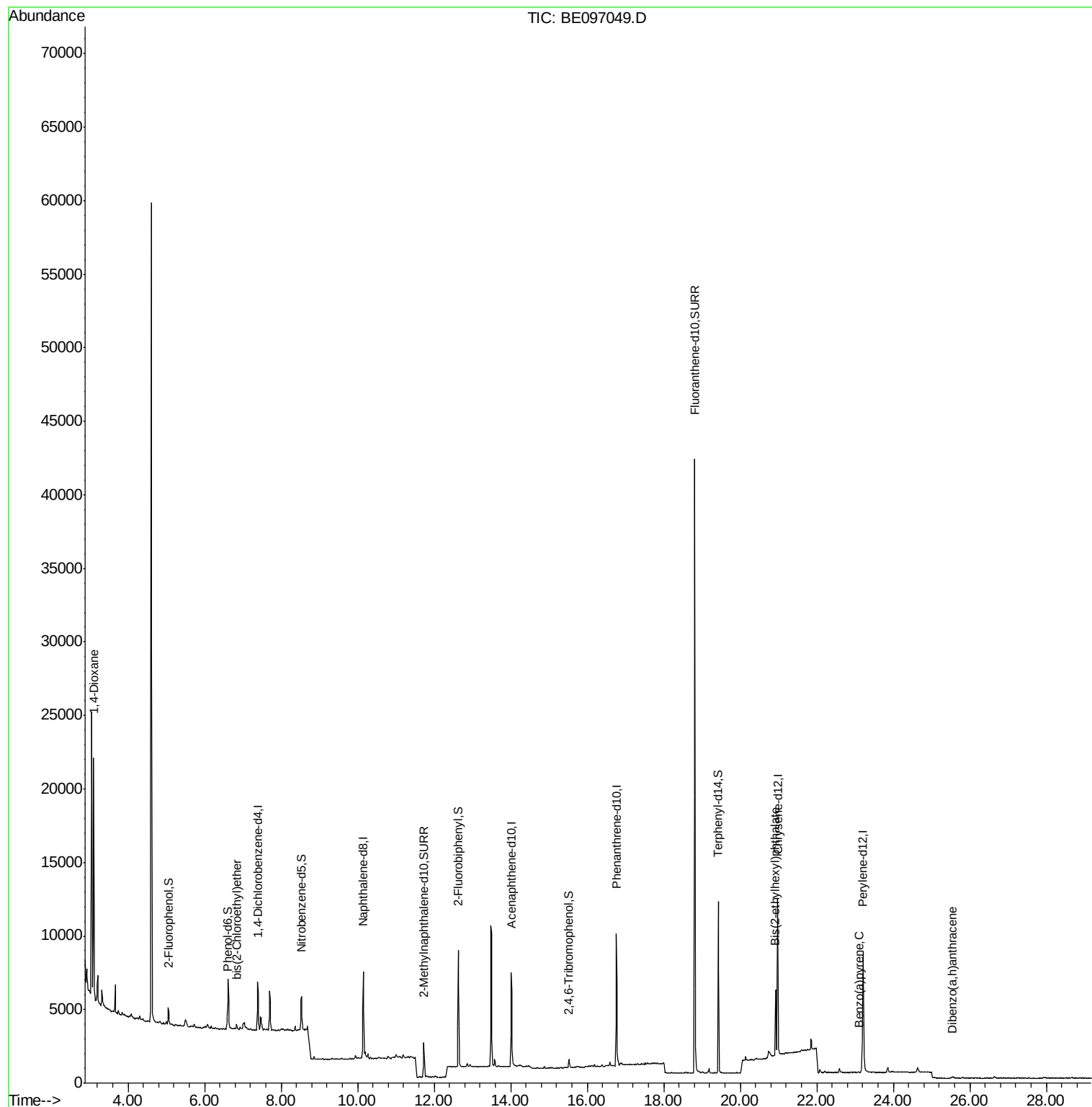
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1383	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6307	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3803	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11568	0.40	ng	0.00
27) Chrysene-d12	20.98	240	12016	0.40	ng	0.00
34) Perylene-d12	23.21	264	11162	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	605	0.18	ng	0.00
5) Phenol-d6	6.60	99	571	0.11	ng	0.00
8) Nitrobenzene-d5	8.53	82	2211	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3474	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	368	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7039	0.50	ng	0.00
25) Fluoranthene-d10	18.81	212	53073	0.53	ng	0.00
29) Terphenyl-d14	19.43	244	10550	0.46	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.09	88	8205	4.145	ng	Qvalue # 89
6) bis(2-Chloroethyl)ether	6.84	93	114	0.023	ng	# 86
22) Pentachlorophenol	16.44	266	16	Below Cal		98
32) Bis(2-ethylhexyl)phthalate	20.92	149	6524	0.228	ng	# 100
37) Benzo(a)pyrene	23.11	252	9	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	4	0.118	ng	# 1

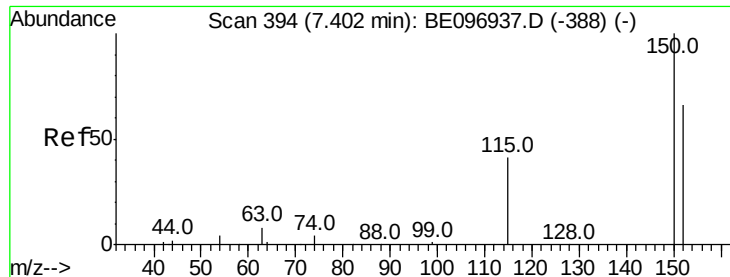
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097049.D

Acq: 23 Jul 2018 23:30

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618

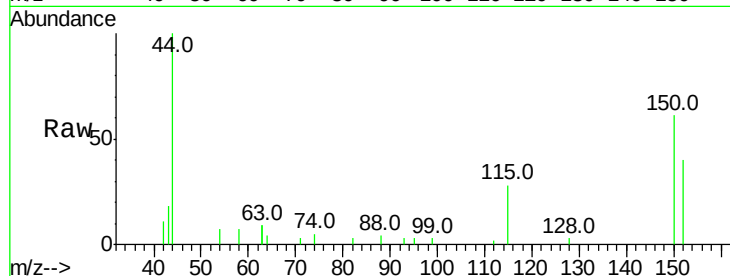
Tot Ion:152 Resp: 1383

Ion Ratio Lower Upper

152 100

150 151.5 117.2 175.8

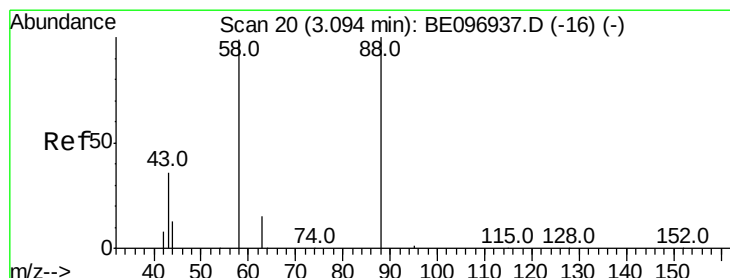
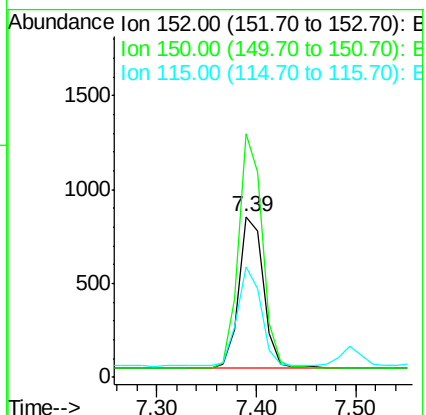
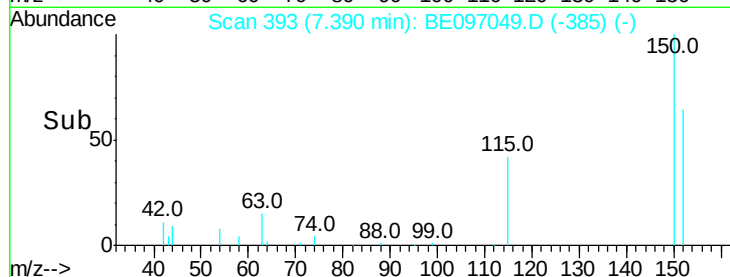
115 68.8 57.0 85.6



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: 4.145 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

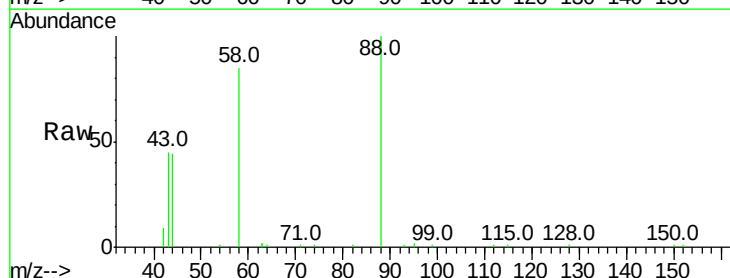
Tgt Ion: 88 Resp: 8205

Ion Ratio Lower Upper

88 100

58 82.7 63.2 94.8

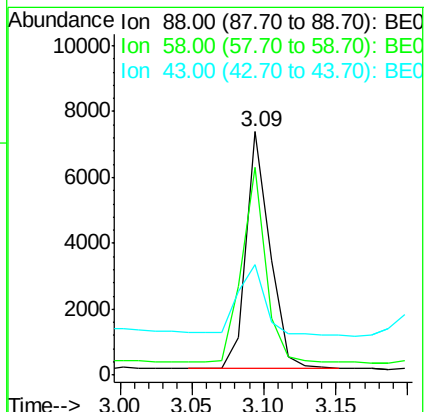
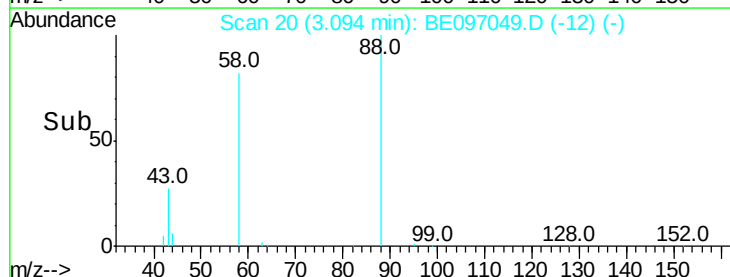
43 35.9 41.2 61.8#

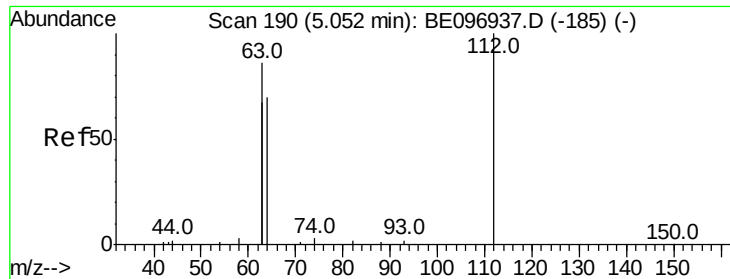


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.183 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618

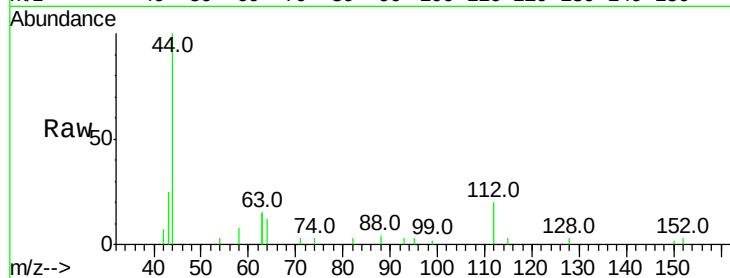
Tot Ion: 112 Resp: 605

Ion Ratio Lower Upper

112 100

64 69.4 60.1 90.1

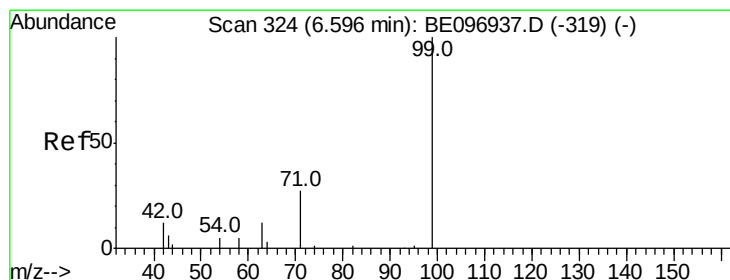
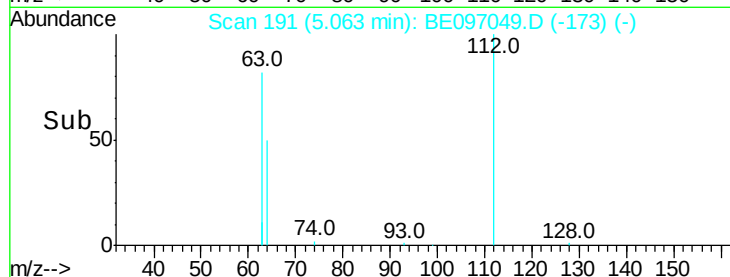
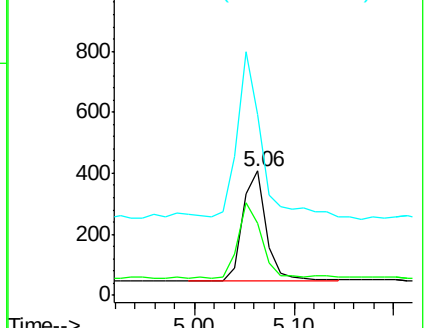
63 160.2 116.8 175.2



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: 0.113 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

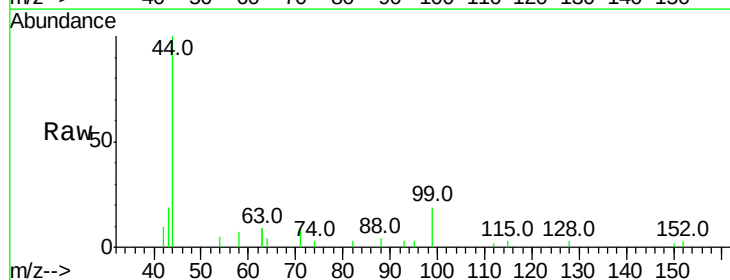
Tgt Ion: 99 Resp: 571

Ion Ratio Lower Upper

99 100

42 41.2 20.2 30.2#

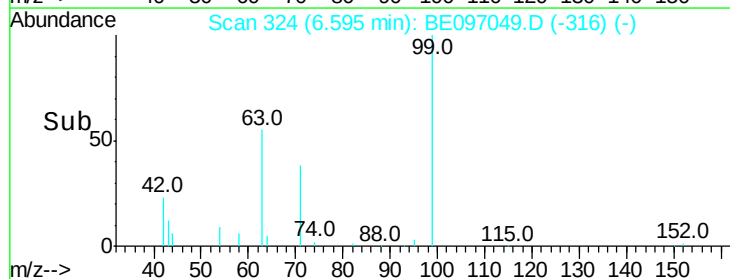
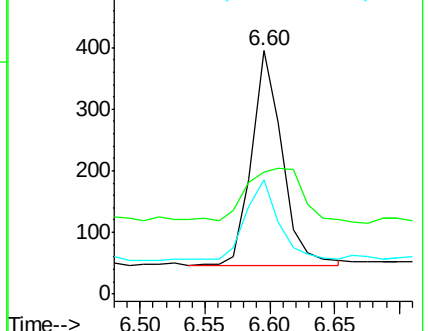
71 40.8 28.4 42.6

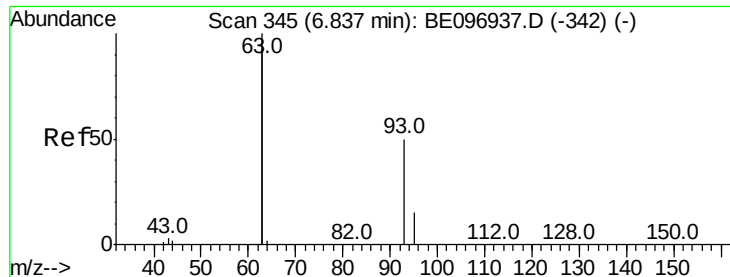


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.023 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618

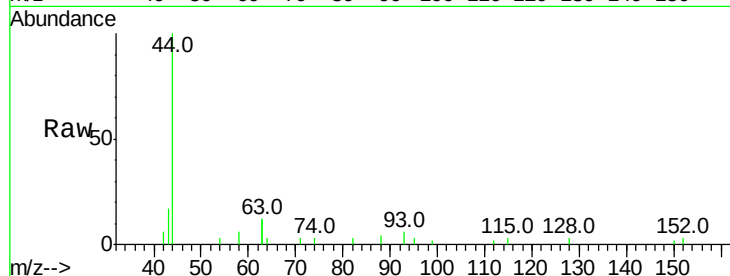
Tot Ion: 93 Resp: 114

Ion Ratio Lower Upper

93 100

63 313.2 275.3 412.9

95 34.2 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

600

500

400

300

200

100

0

6.80

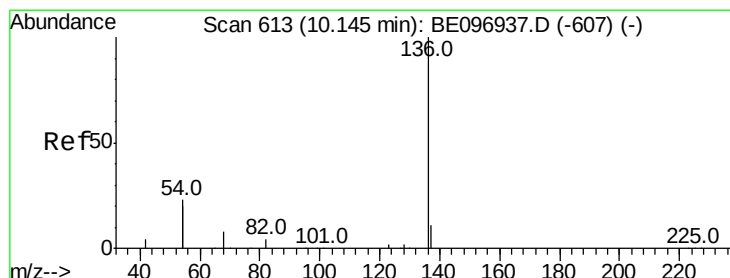
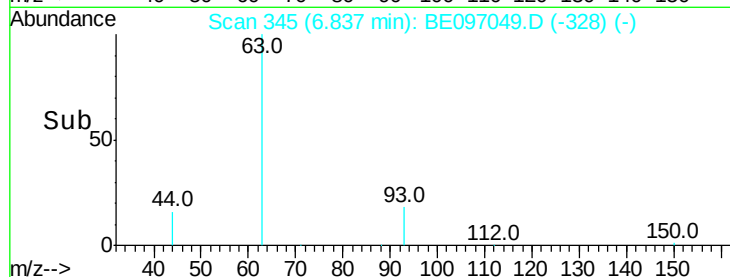
6.84

6.88

6.92

6.95

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

Tgt Ion: 136 Resp: 6307

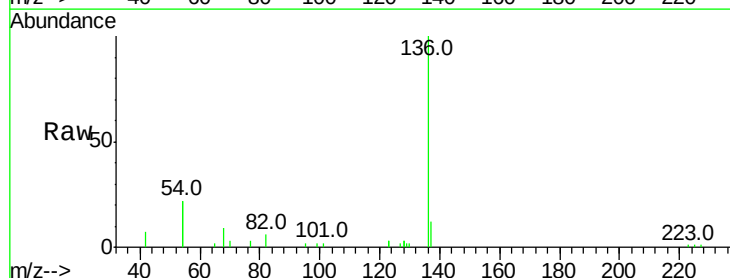
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 43.5 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

5000

4000

3000

2000

1000

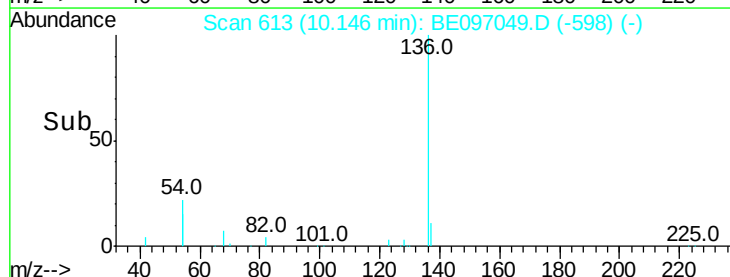
0

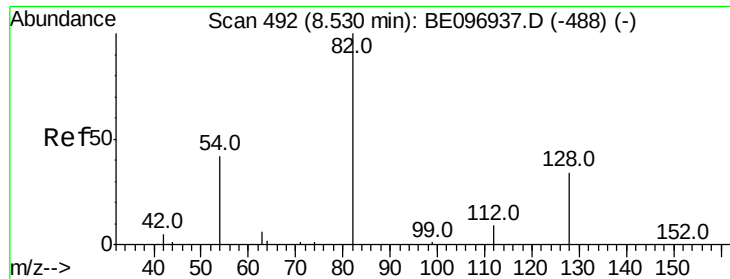
10.00

10.15

10.20

Time-->





#8

Nitrobenzene-d5

Concen: 0.481 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618

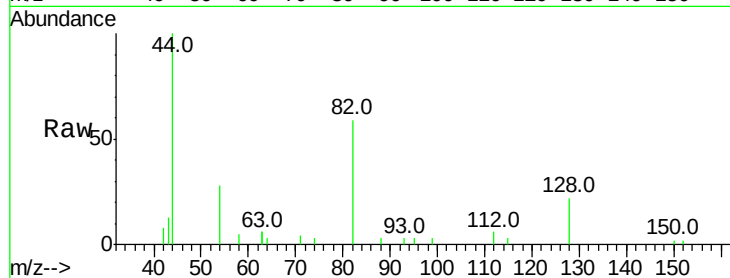
Tot Ion: 82 Resp: 2211

Ion Ratio Lower Upper

82 100

128 38.0 24.0 36.0#

54 48.4 40.0 60.0

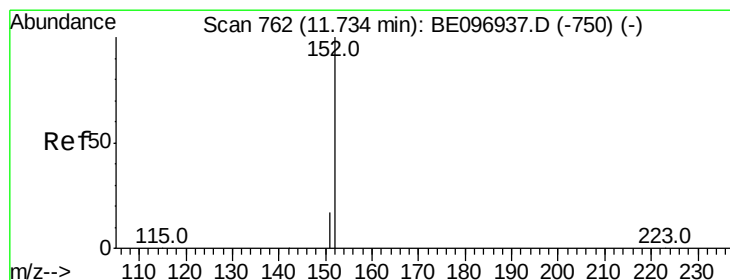
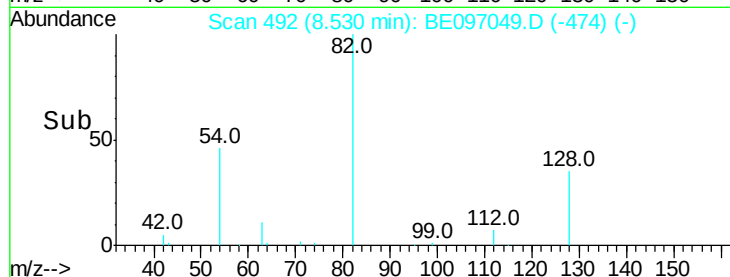


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097049.D

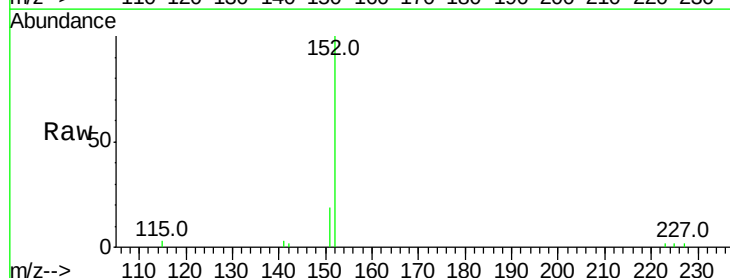
Acq: 23 Jul 2018 23:30

Tgt Ion: 152 Resp: 3474

Ion Ratio Lower Upper

152 100

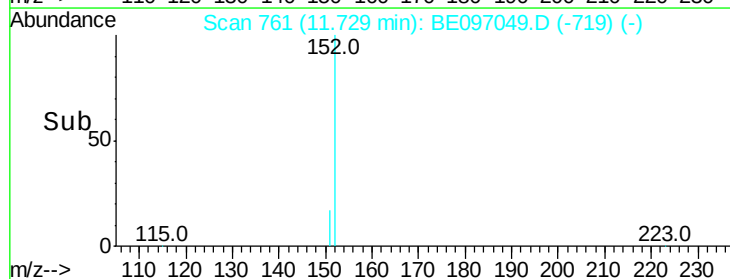
151 19.8 15.4 23.0

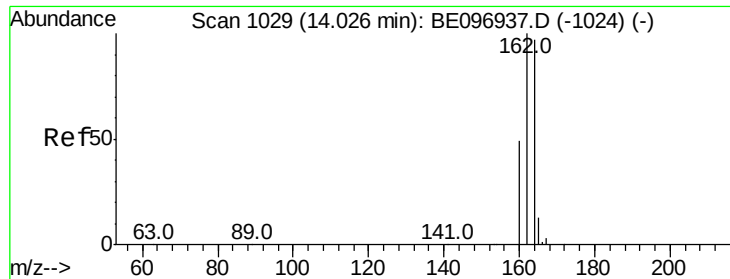


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Time-->

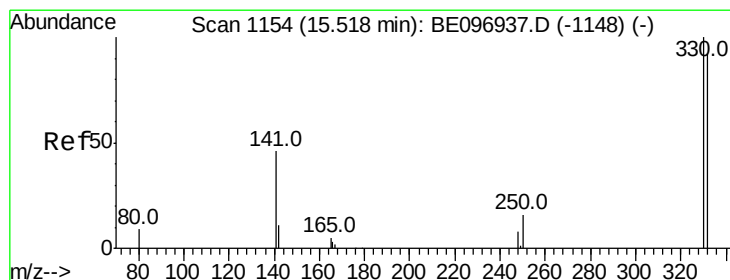
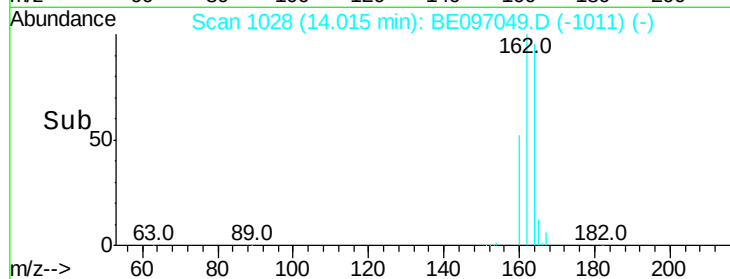
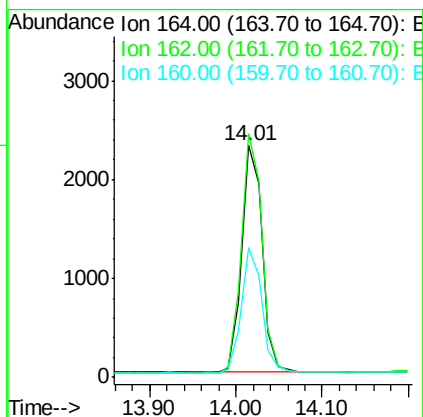
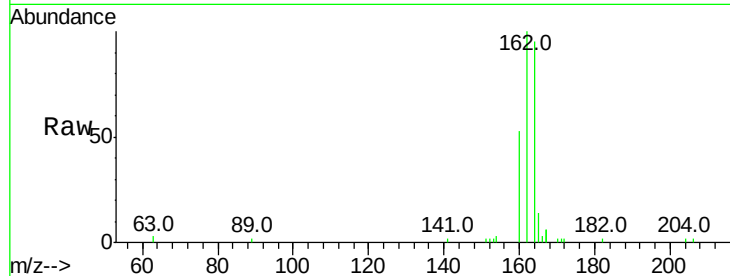




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE097049.D
 Acq: 23 Jul 2018 23:30

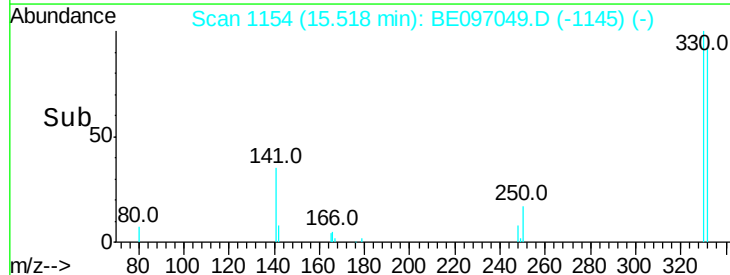
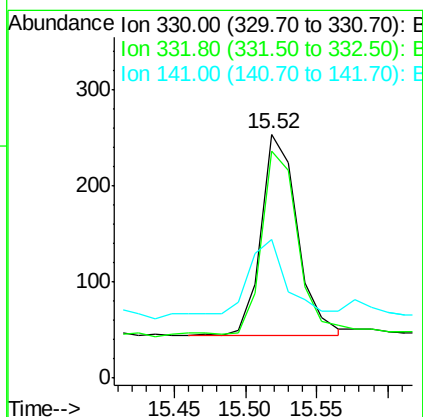
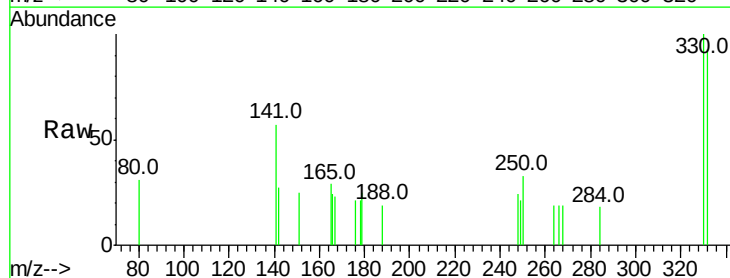
Instrument :
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 RE109D3-071618

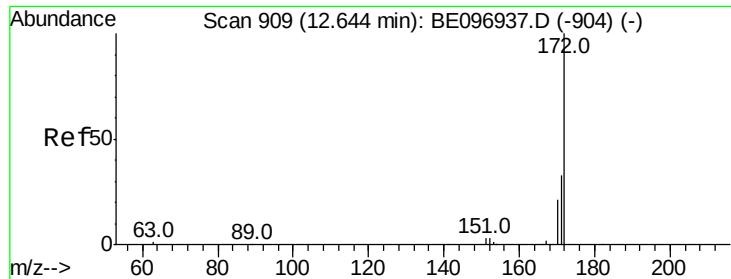
Tot Ion:164 Resp: 3803
 Ion Ratio Lower Upper
 164 100
 162 104.9 83.1 124.7
 160 55.7 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.438 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097049.D
 Acq: 23 Jul 2018 23:30

Tgt Ion:330 Resp: 368
 Ion Ratio Lower Upper
 330 100
 332 95.4 152.7 229.1#
 141 46.7 33.7 50.5

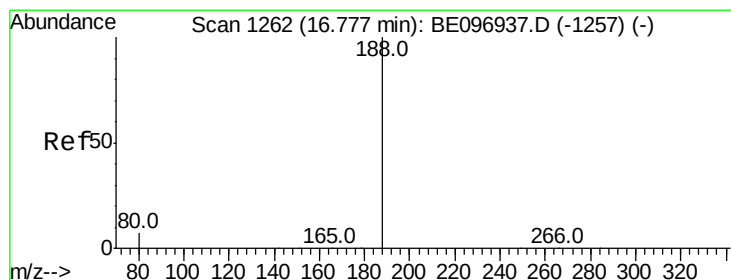
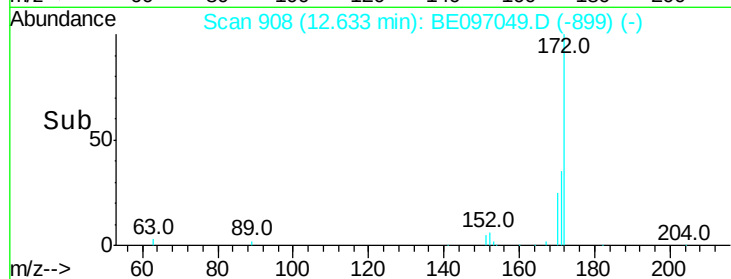
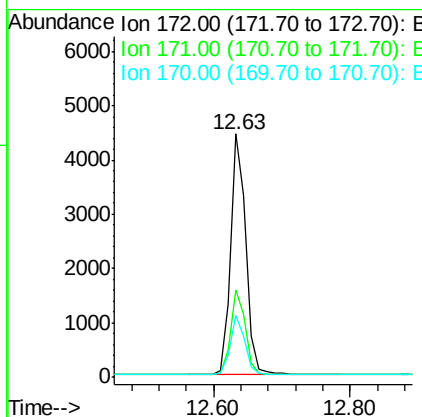
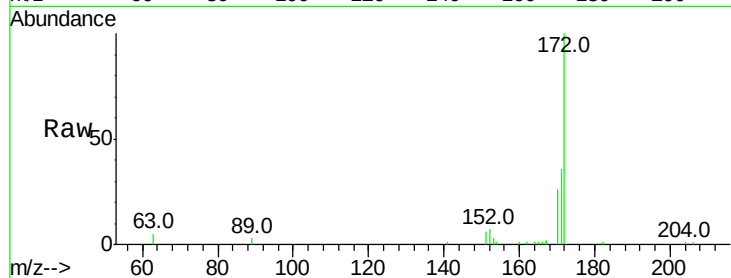




#15
2-Fluorobiphenyl
Concen: 0.498 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097049.D
Acq: 23 Jul 2018 23:30

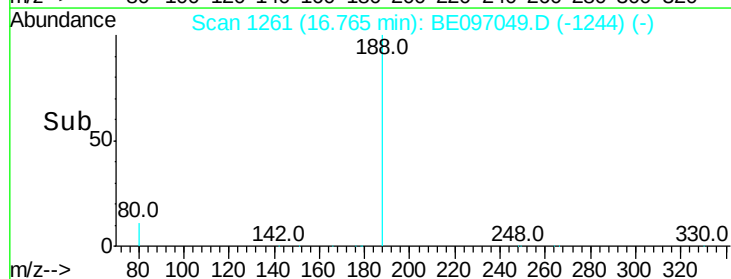
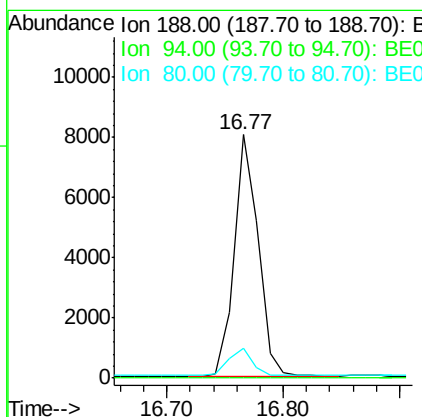
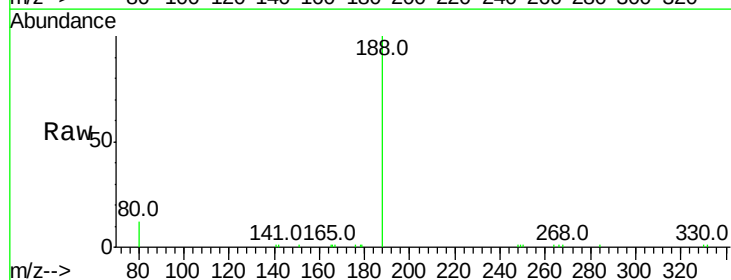
Instrument :
BNA_E
ClientSampleId :
RE109D3-071618

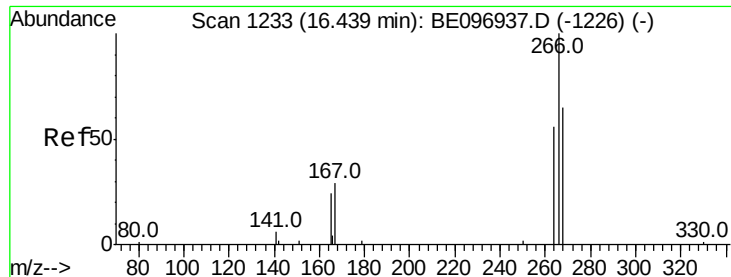
Tot Ion:172 Resp: 7039
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 25.6 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097049.D
Acq: 23 Jul 2018 23:30

Tgt Ion:188 Resp: 11568
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.2 3.6 5.4#



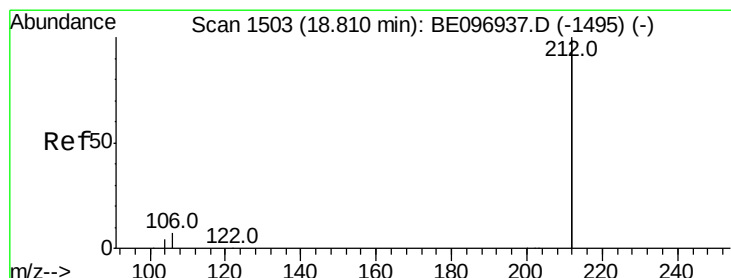
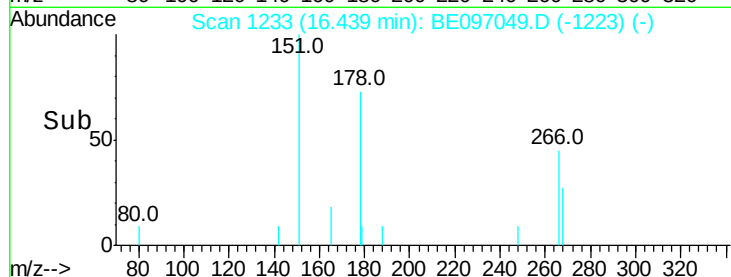
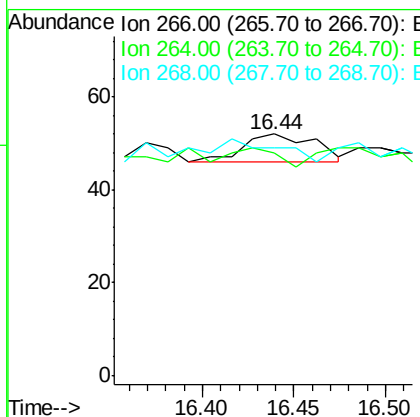
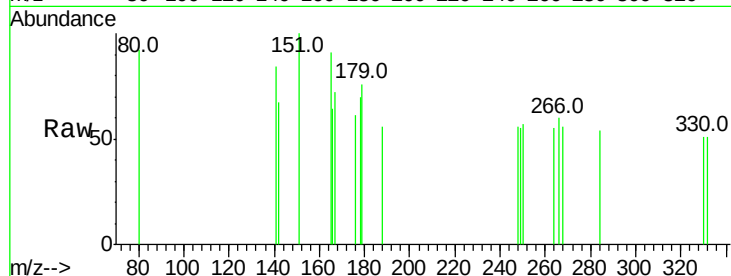


#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE097049.D
 Acq: 23 Jul 2018 23:30

Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-071618

Tot Ion:266 Resp: 16

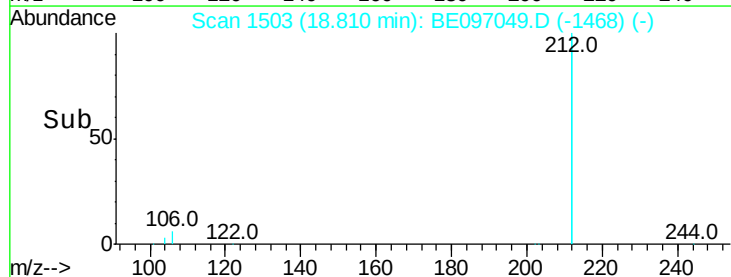
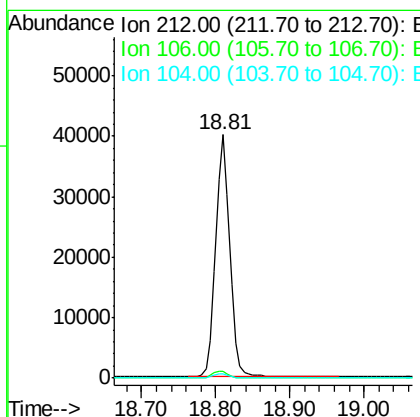
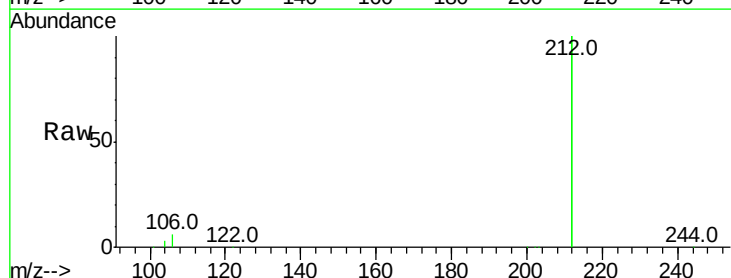
Ion	Ratio	Lower	Upper
266	100		
264	92.3	72.5	108.7
268	94.2	73.8	110.6

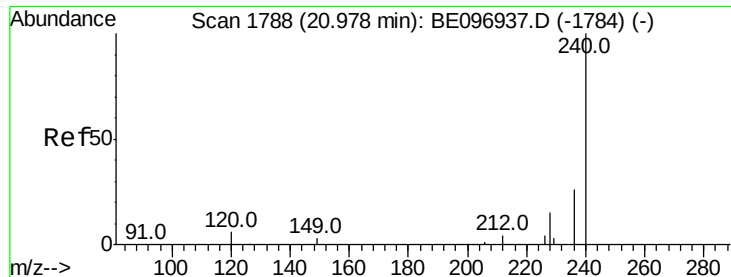


#25
 Fluoranthene-d10
 Concen: 0.527 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BE097049.D
 Acq: 23 Jul 2018 23:30

Tgt Ion:212 Resp: 53073

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

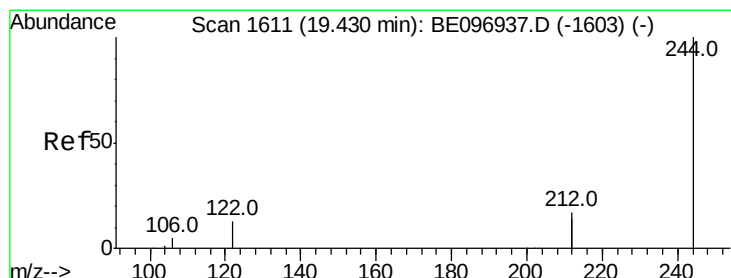
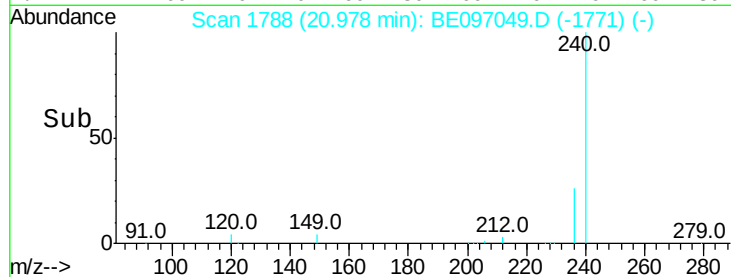
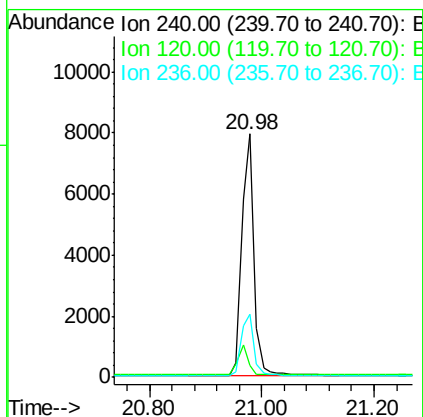
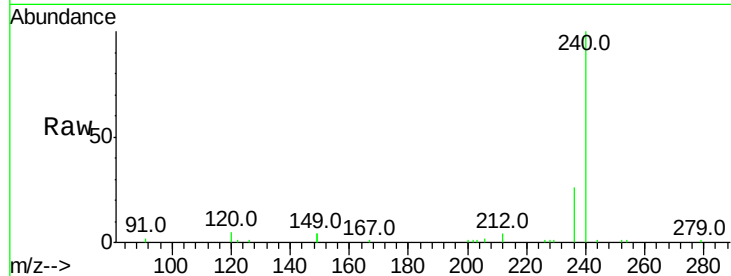




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE097049.D
 Acq: 23 Jul 2018 23:30

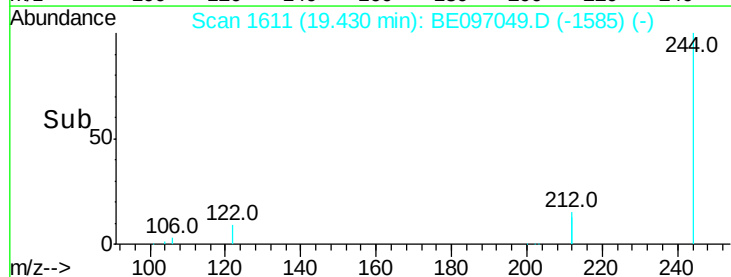
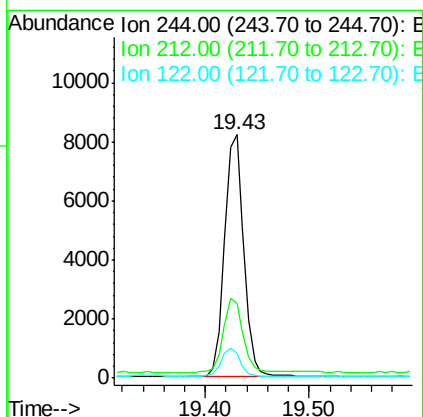
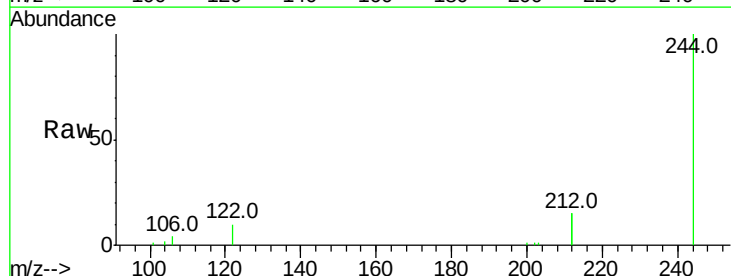
Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-071618

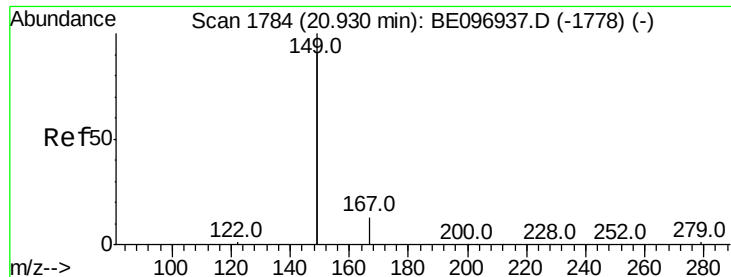
Tot Ion:240 Resp: 12016
 Ion Ratio Lower Upper
 240 100
 120 4.9 5.5 8.3#
 236 26.2 20.7 31.1



#29
 Terphenyl-d14
 Concen: 0.455 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097049.D
 Acq: 23 Jul 2018 23:30

Tgt Ion:244 Resp: 10550
 Ion Ratio Lower Upper
 244 100
 212 30.7 25.4 38.0
 122 9.9 8.1 12.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.228 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618

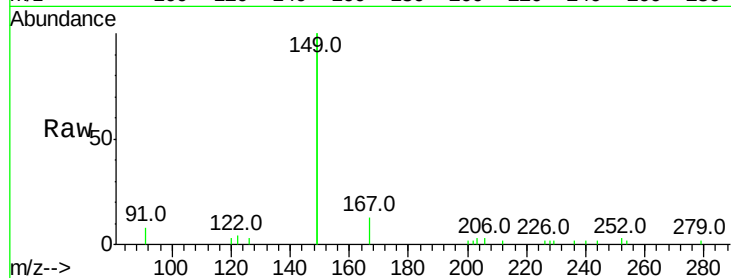
Tot Ion:149 Resp: 6524

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

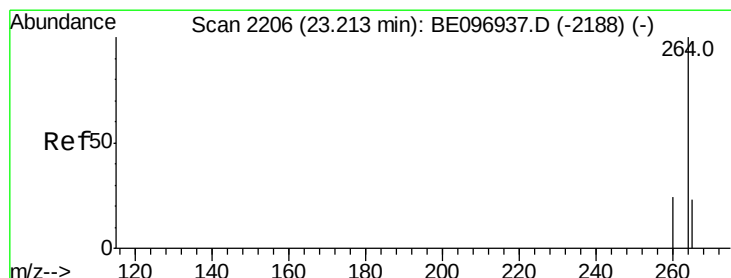
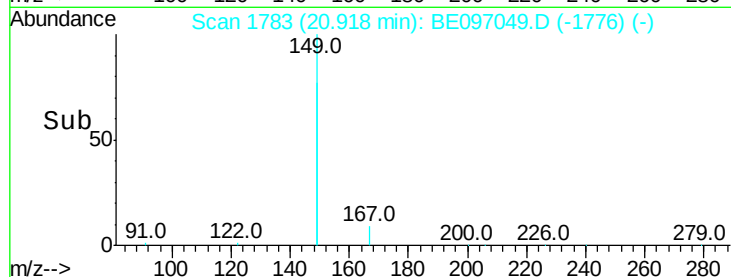
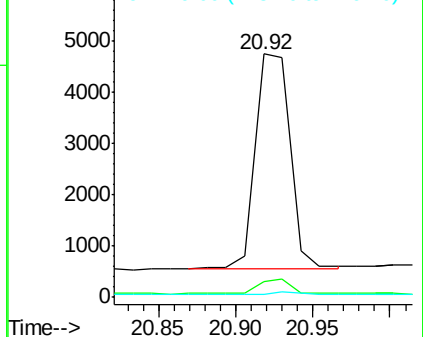
279 1.1 0.7 1.1#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

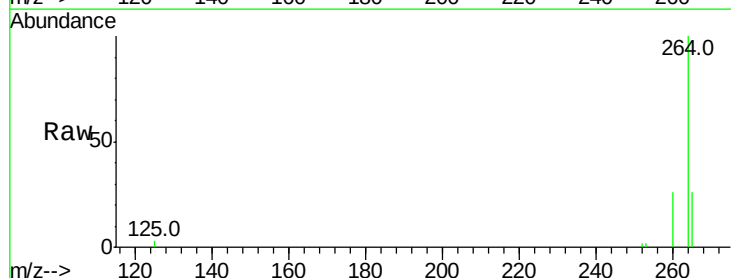
Tgt Ion:264 Resp: 11162

Ion Ratio Lower Upper

264 100

260 26.1 20.5 30.7

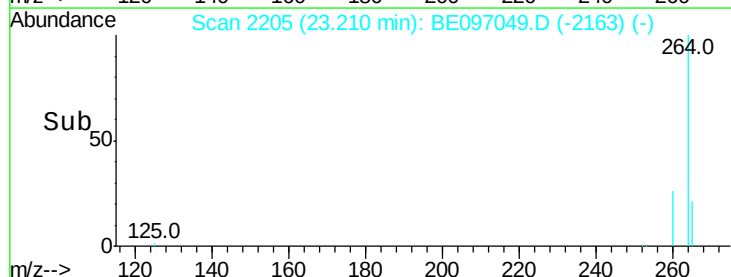
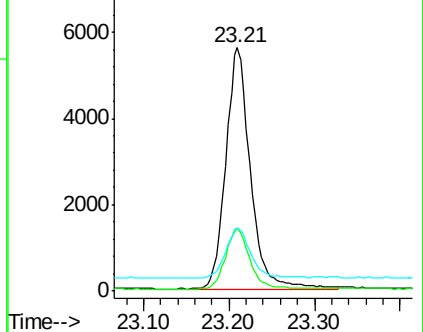
265 26.0 22.8 34.2

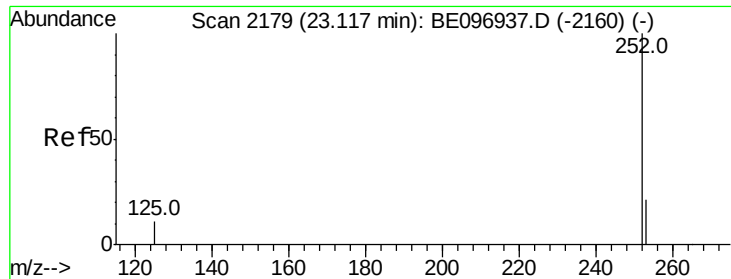


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(a)pyrene

Concen: 0.102 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618

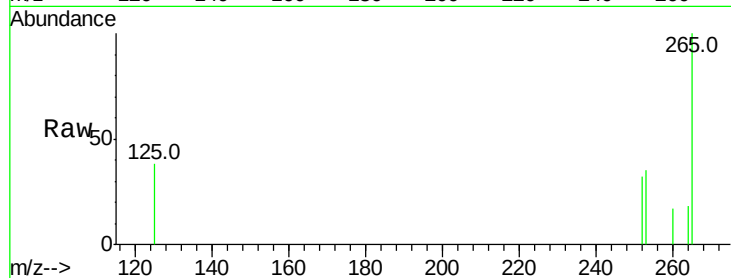
Tot Ion:252 Resp: 9

Ion Ratio Lower Upper

252 100

253 110.1 16.0 24.0#

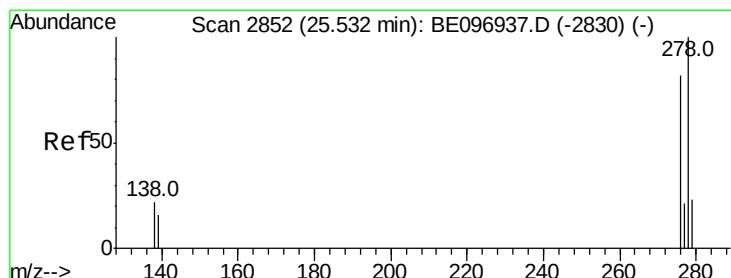
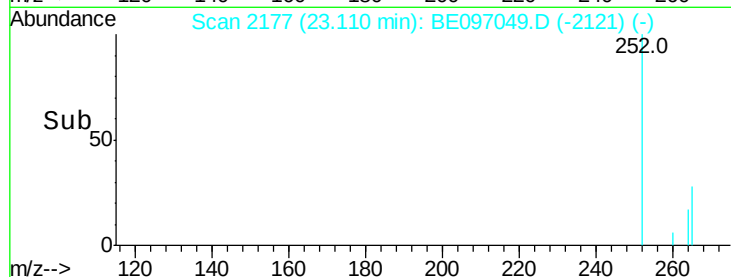
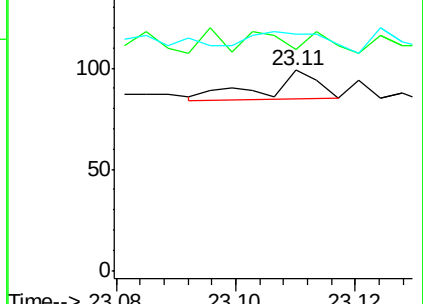
125 118.2 12.0 18.0#



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: 0.118 ng

RT: 25.52 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BE097049.D

Acq: 23 Jul 2018 23:30

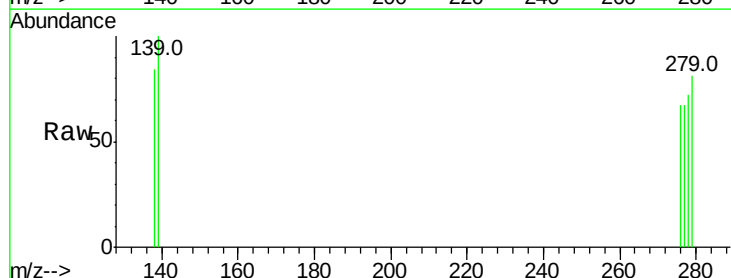
Tgt Ion:278 Resp: 4

Ion Ratio Lower Upper

278 100

139 139.7 16.0 24.0#

279 113.8 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

