

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE072018\
 Data File : BE097018.D
 Acq On : 20 Jul 2018 7:12
 Operator : SJ/JU
 Sample : J4014-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE103D3-071218

Quant Time: Jul 20 07:57:08 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	7.39	152	1493	0.40	ng	-0.01
7) Naphthalene-d8	10.15	136	6799	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3904	0.40	ng	-0.01
19) Phenanthrene-d10	16.76	188	11507	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	12646	0.40	ng	0.00
34) Perylene-d12	23.21	264	11450	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	676	0.19	ng	0.00
5) Phenol-d6	6.59	99	571	0.10	ng	0.00
8) Nitrobenzene-d5	8.53	82	2232	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3854	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	521	0.57	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7090	0.49	ng	-0.01
25) Fluoranthene-d10	18.81	212	57146	0.57	ng	0.00
29) Terphenyl-d14	19.43	244	15666	0.64	ng	0.00

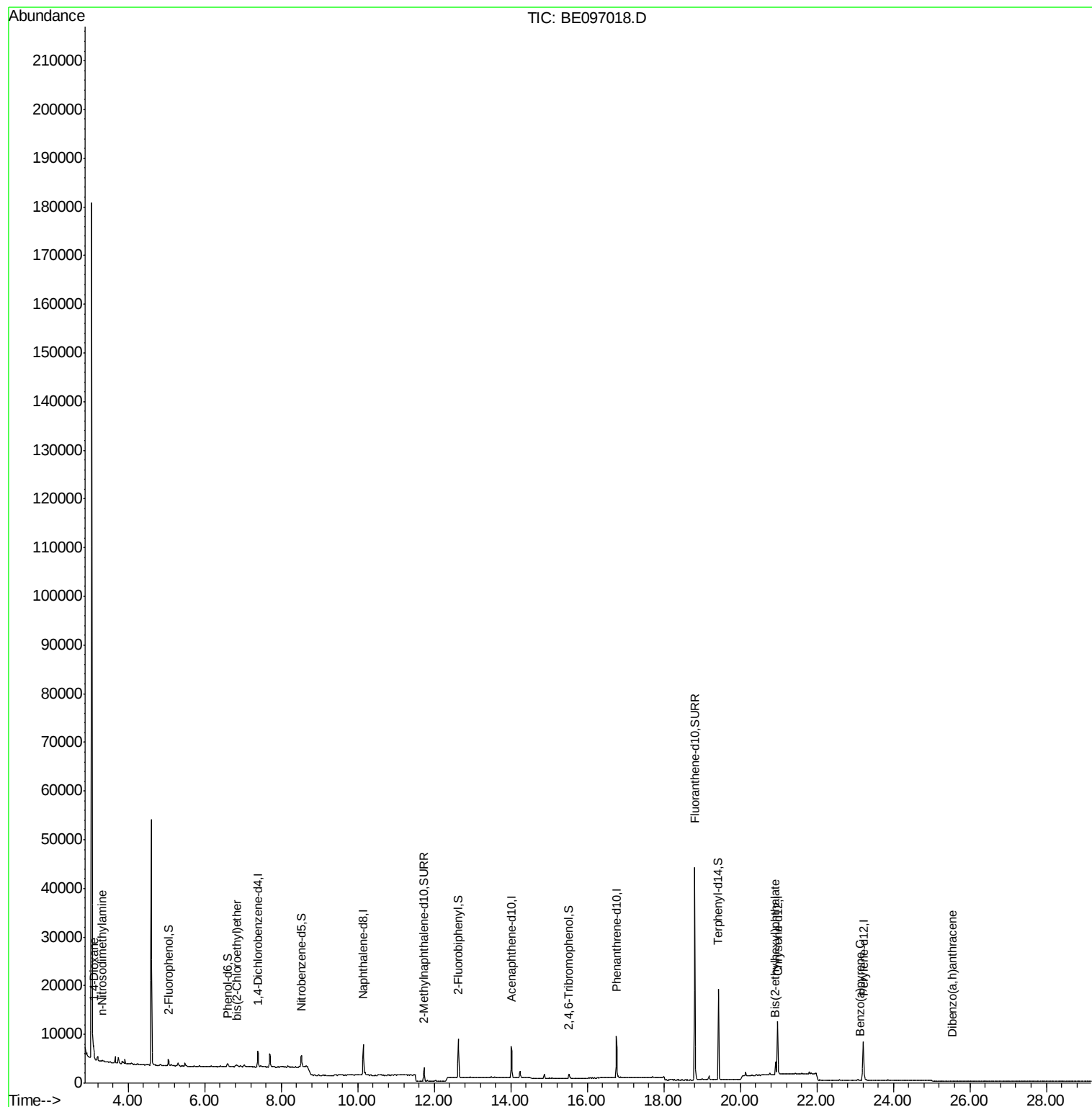
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	986	0.461	ng	# 81
3) n-Nitrosodimethylamine	3.31	42	83	0.035	ng	# 1
6) bis(2-Chloroethyl)ether	6.84	93	137	0.026	ng	# 85
22) Pentachlorophenol	16.44	266	13	Below Cal		92
32) Bis(2-ethylhexyl)phthalate	20.92	149	4208	0.140	ng	# 98
37) Benzo(a)pyrene	23.13	252	3	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	2	0.118	ng	# 1

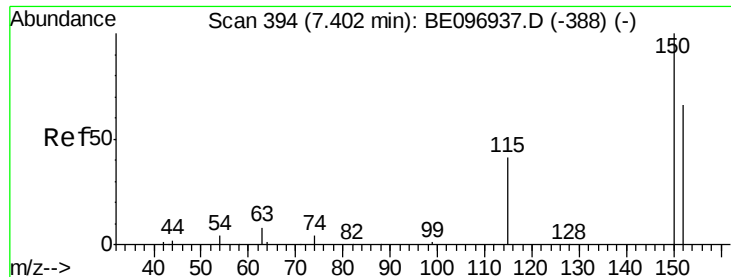
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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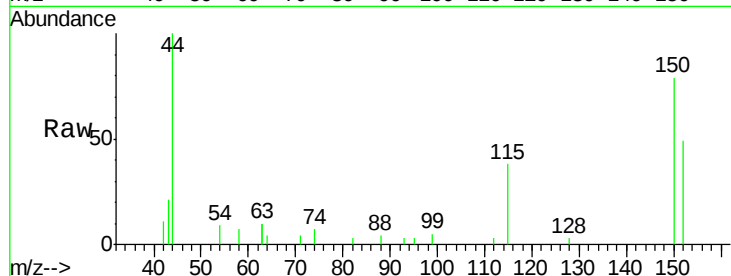


#1

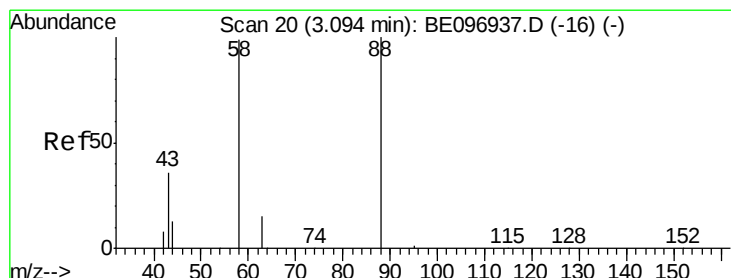
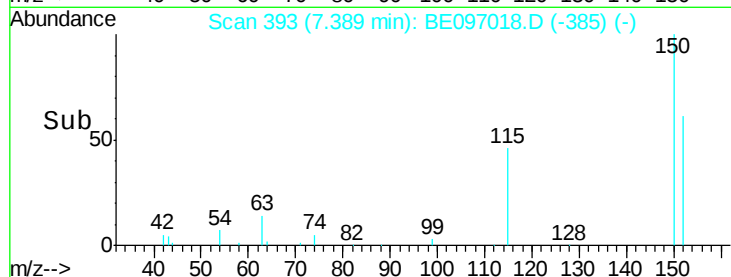
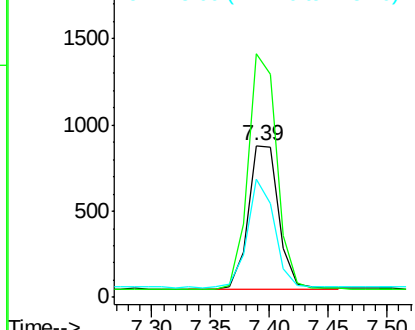
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE097018.D
Acq: 20 Jul 2018 7:12

Instrument :
BNA_E
ClientSampleId :
RE103D3-071218

Tgt Ion:152 Resp: 1493
Ion Ratio Lower Upper
152 100
150 160.4 117.2 175.8
115 77.5 57.0 85.6



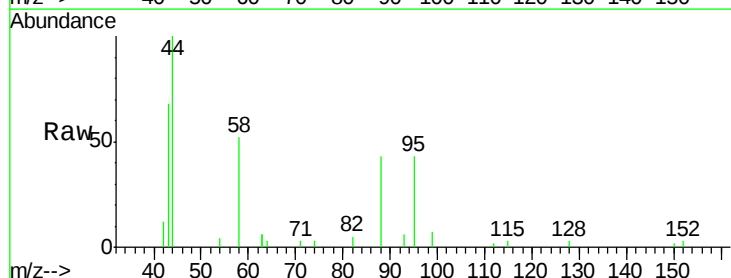
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



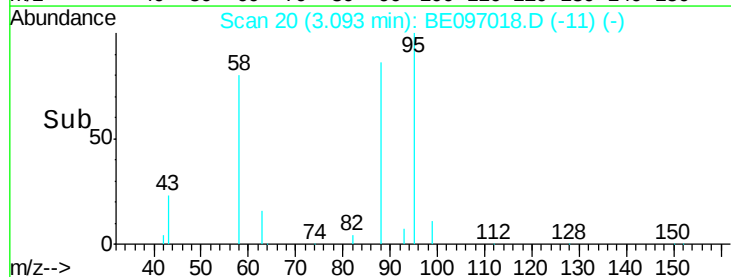
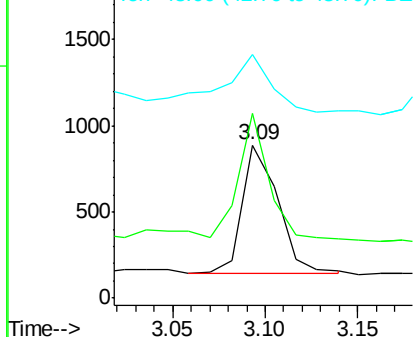
#2

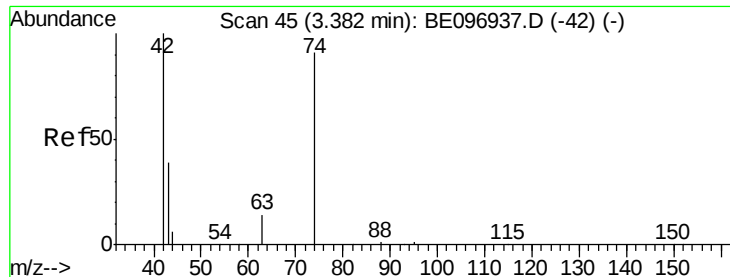
1,4-Dioxane
Concen: 0.461 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097018.D
Acq: 20 Jul 2018 7:12

Tgt Ion: 88 Resp: 986
Ion Ratio Lower Upper
88 100
58 93.5 63.2 94.8
43 68.0 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: 0.035 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.07 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

RE103D3-071218

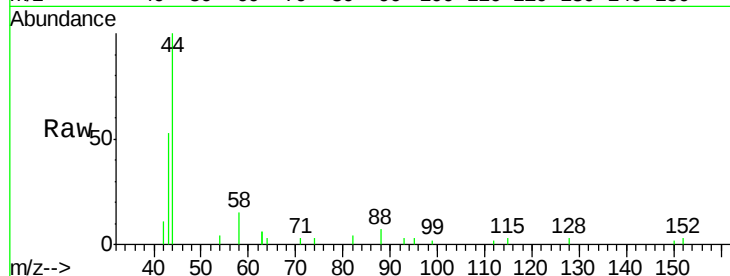
Tgt Ion: 42 Resp: 83

Ion Ratio Lower Upper

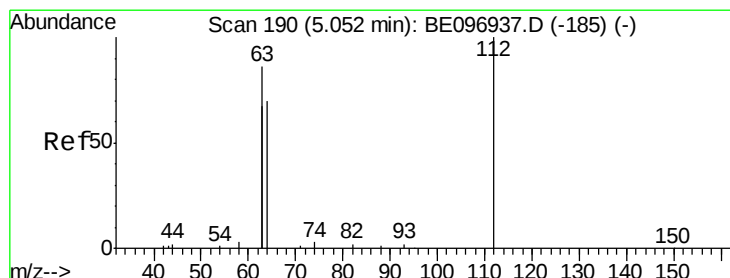
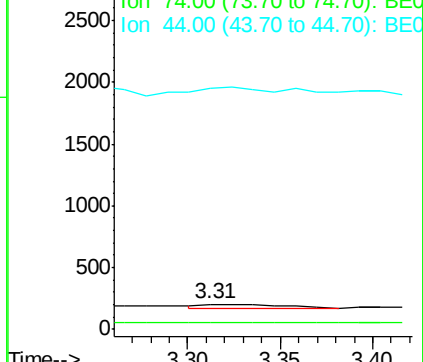
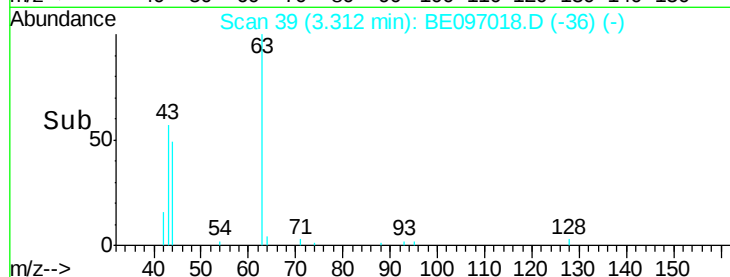
42 100

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: 0.189 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

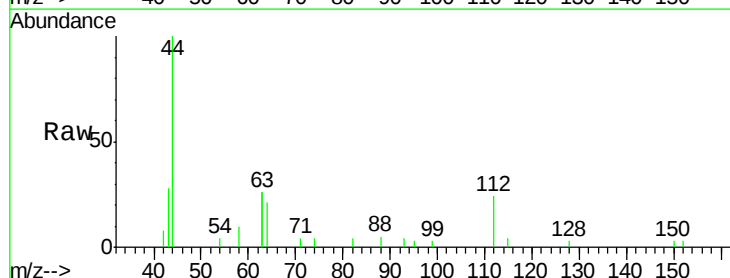
Tgt Ion: 112 Resp: 676

Ion Ratio Lower Upper

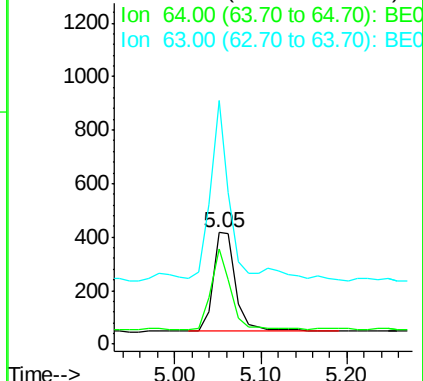
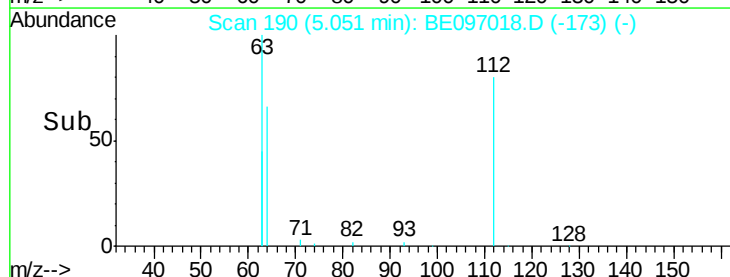
112 100

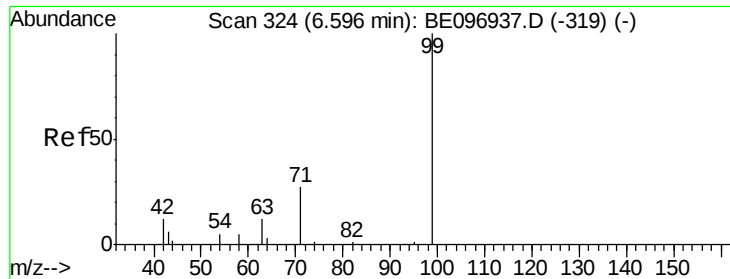
64 70.6 60.1 90.1

63 146.0 116.8 175.2



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: 0.105 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

RE103D3-071218

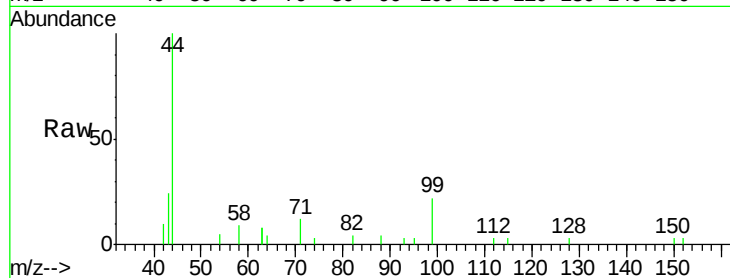
Tgt Ion: 99 Resp: 571

Ion Ratio Lower Upper

99 100

42 28.9 20.2 30.2

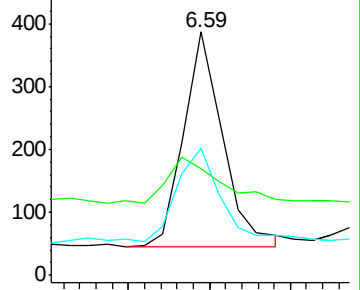
71 45.9 28.4 42.6#



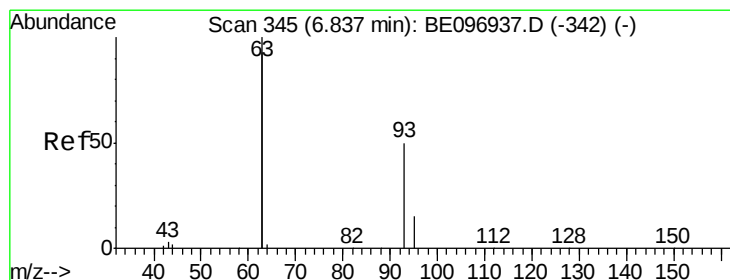
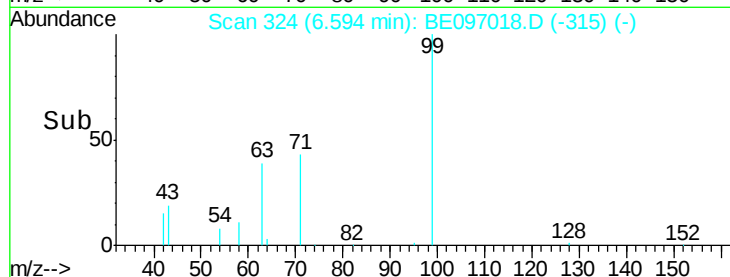
Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.026 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

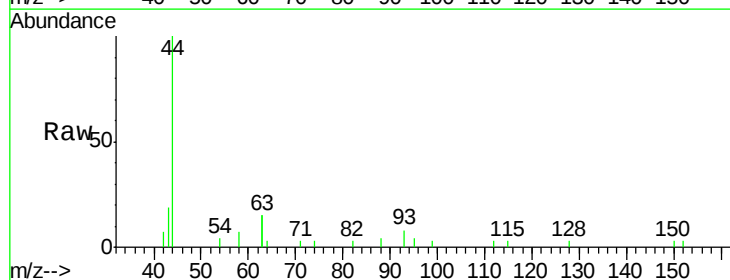
Tgt Ion: 93 Resp: 137

Ion Ratio Lower Upper

93 100

63 310.9 275.3 412.9

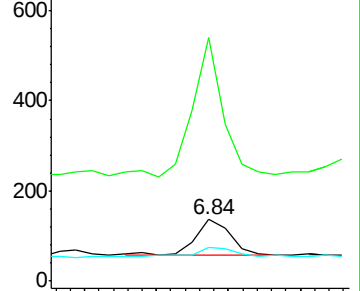
95 40.1 25.2 37.8#



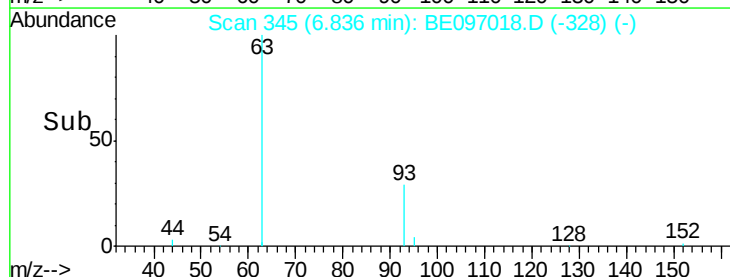
Abundance Ion 93.00 (92.70 to 93.70): BE0

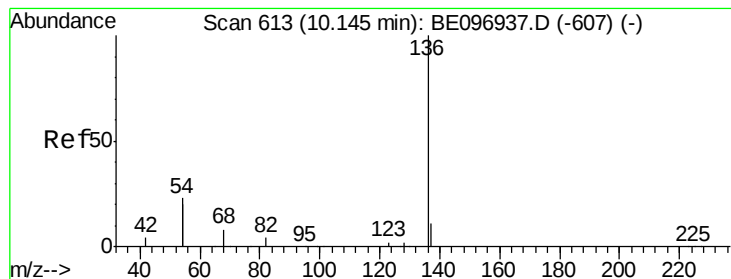
Ion 63.00 (62.70 to 63.70): BE0

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: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

RE103D3-071218

Tgt Ion:136 Resp: 6799

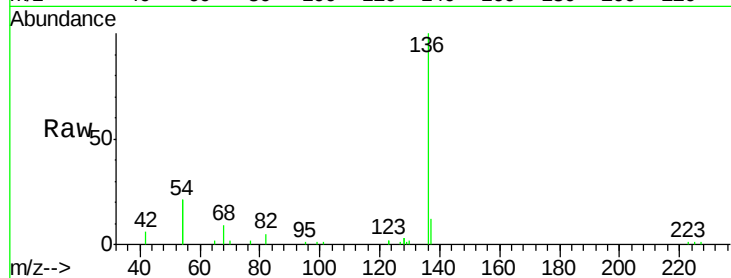
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 41.3 29.1 43.7

68 8.6 6.2 9.2

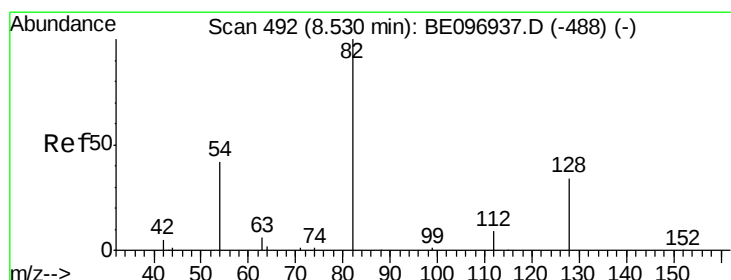
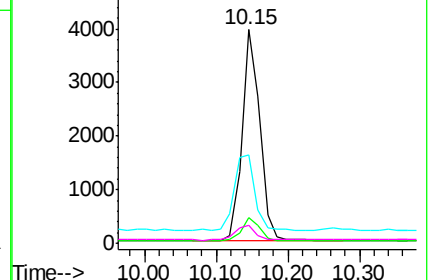
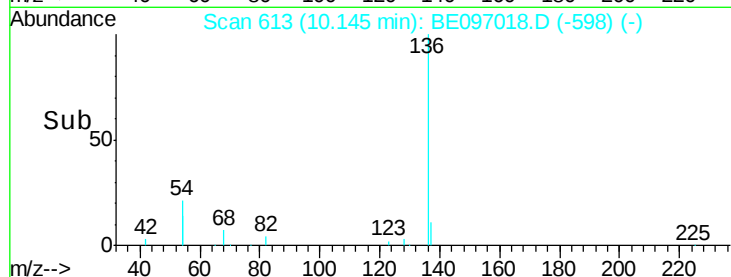


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.450 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

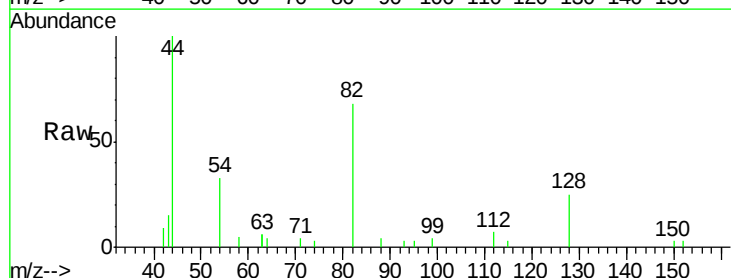
Tgt Ion: 82 Resp: 2232

Ion Ratio Lower Upper

82 100

128 36.8 24.0 36.0#

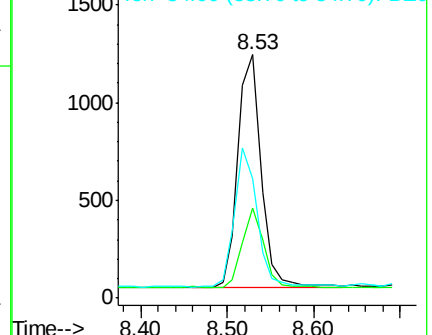
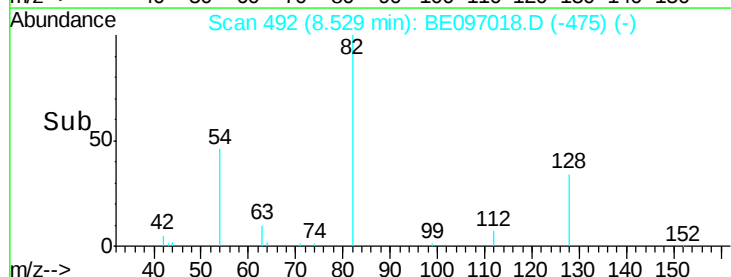
54 49.1 40.0 60.0

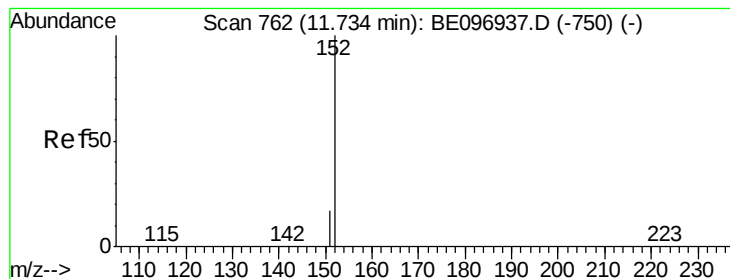


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.389 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

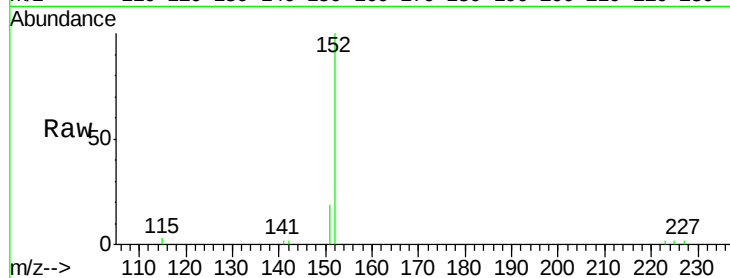
RE103D3-071218

Tgt Ion:152 Resp: 3854

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

11.73

2500

2000

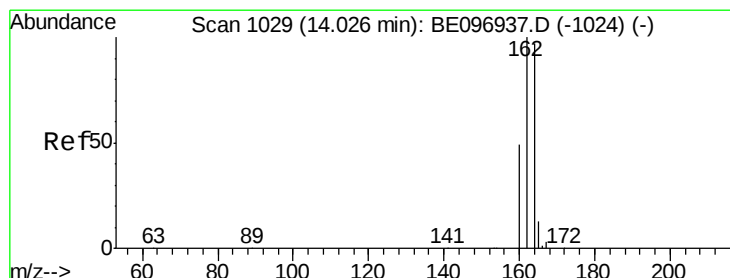
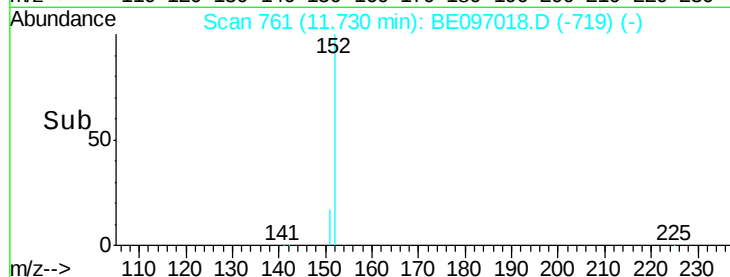
1500

1000

500

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

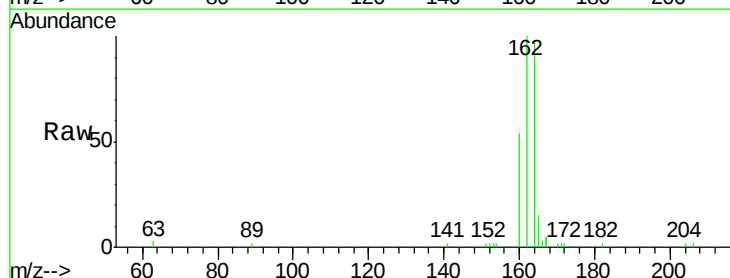
Tgt Ion:164 Resp: 3904

Ion Ratio Lower Upper

164 100

162 103.1 83.1 124.7

160 55.3 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

3000

2500

2000

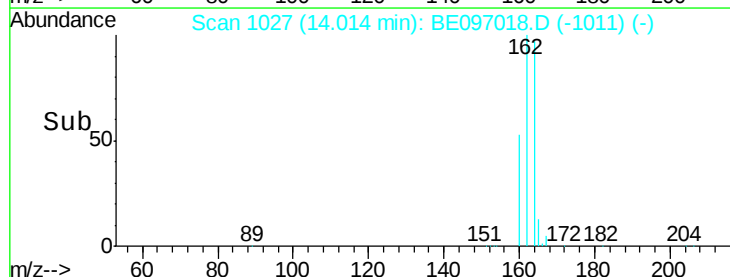
1500

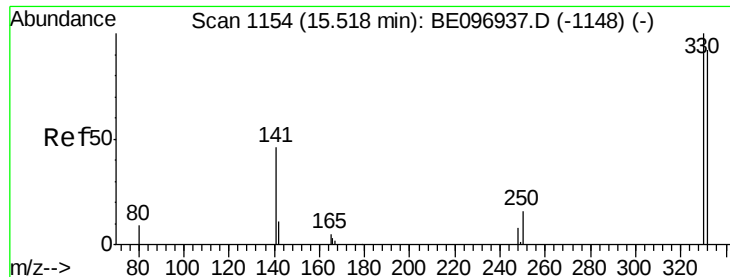
1000

500

0

Time-->

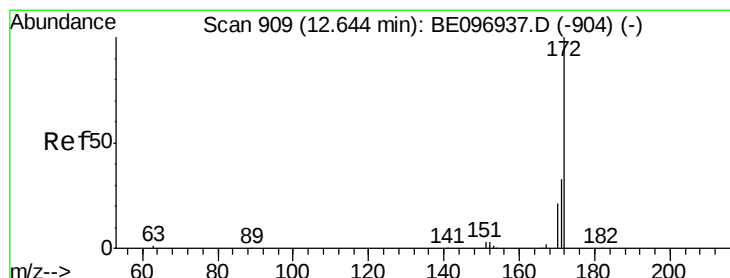
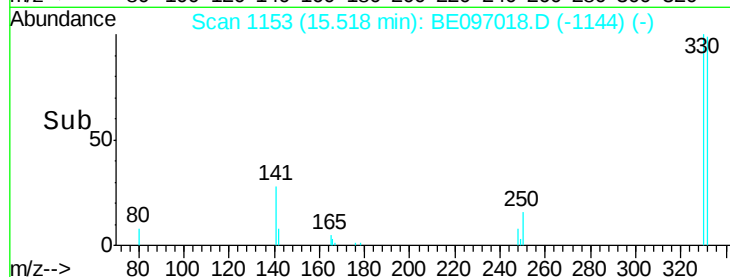
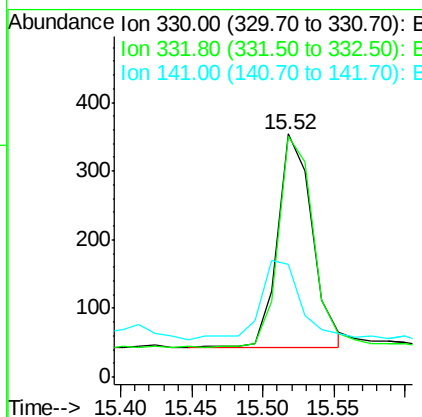
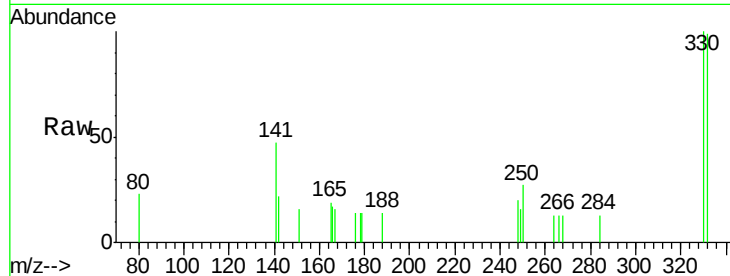




#14
 2,4,6-Tribromophenol
 Concen: 0.571 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE097018.D
 Acq: 20 Jul 2018 7:12

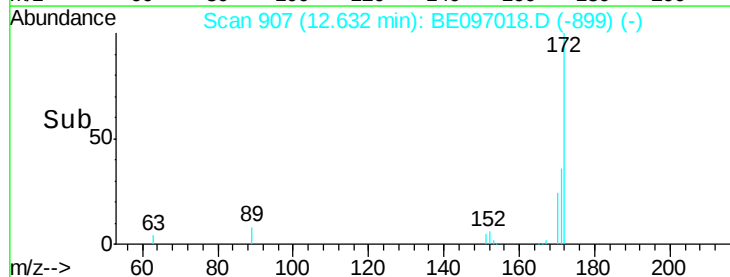
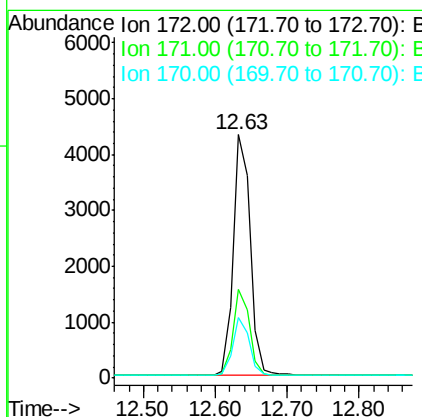
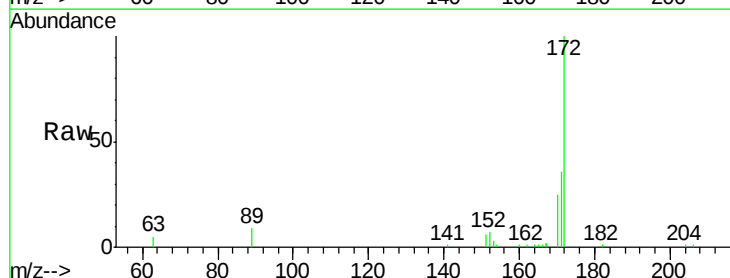
Instrument :
 BNA_E
 ClientSampleId :
 RE103D3-071218

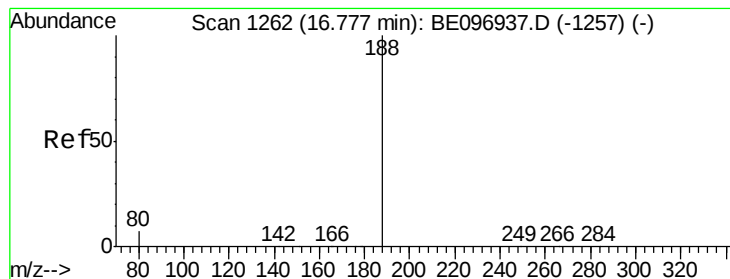
Tgt Ion: 330 Resp: 521
 Ion Ratio Lower Upper
 330 100
 332 99.0 152.7 229.1#
 141 43.6 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.488 ng
 RT: 12.63 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BE097018.D
 Acq: 20 Jul 2018 7:12

Tgt Ion: 172 Resp: 7090
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.9 44.9
 170 25.1 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

RE103D3-071218

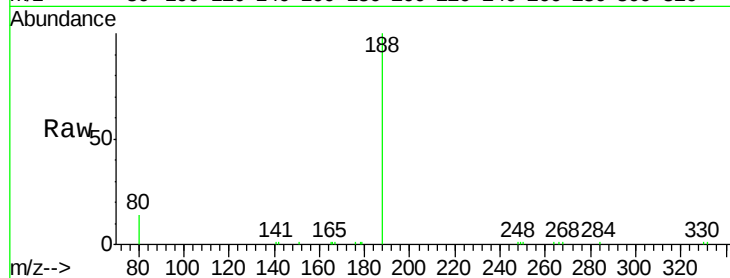
Tgt Ion:188 Resp: 11507

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

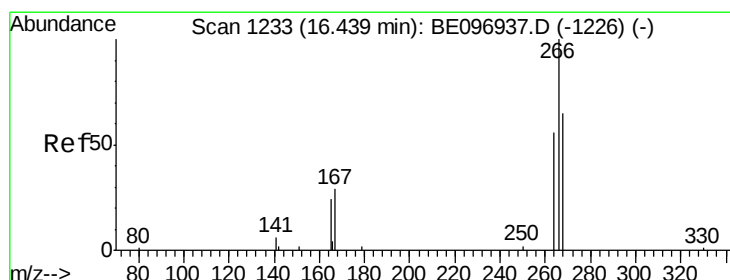
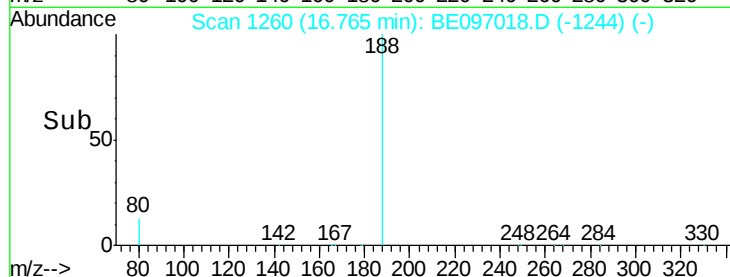
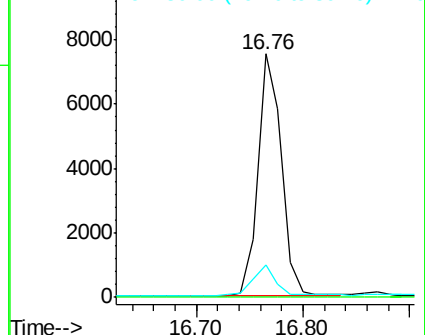
80 13.6 3.6 5.4#



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: Below Cal

RT: 16.44 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

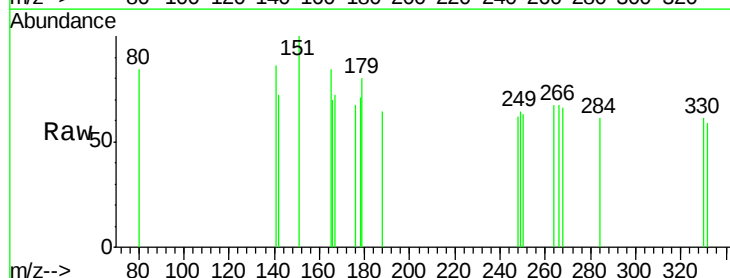
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 100.0 72.5 108.7

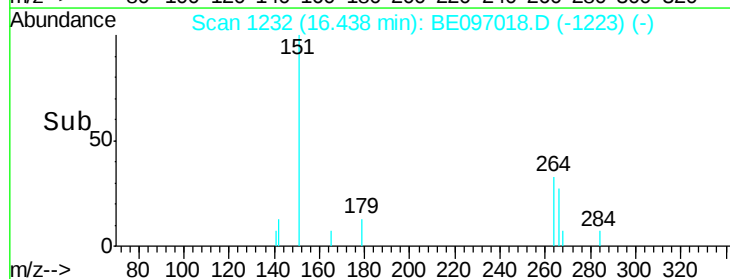
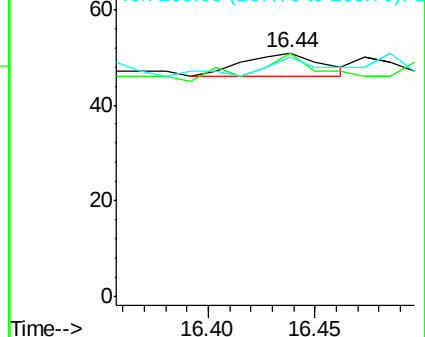
268 98.0 73.8 110.6

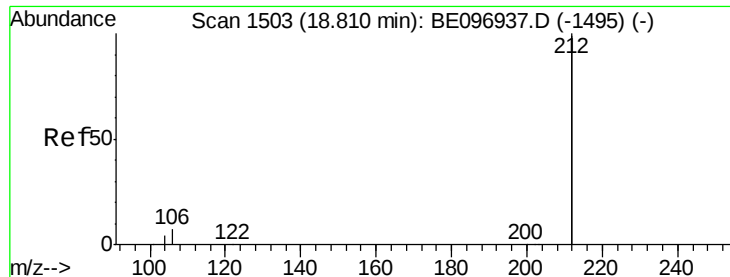


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.571 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

RE103D3-071218

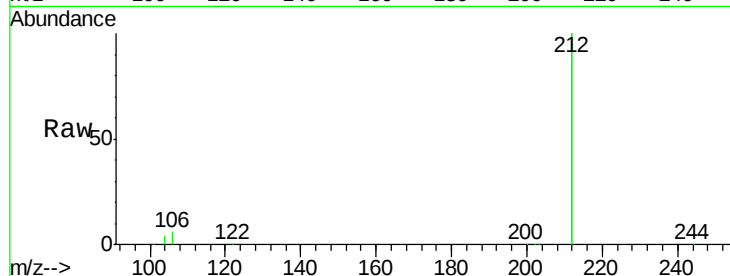
Tgt Ion:212 Resp: 57146

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

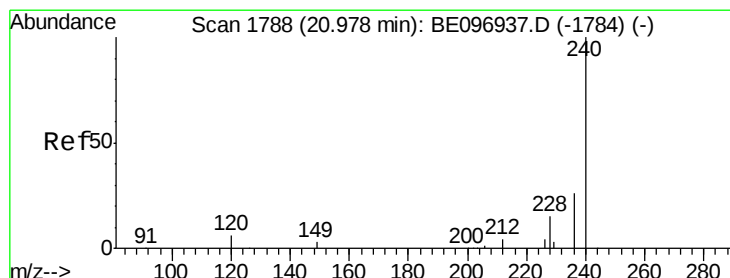
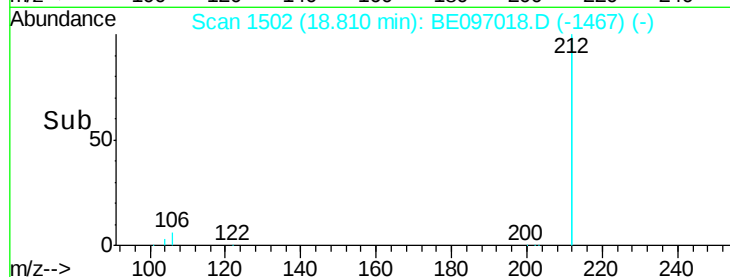
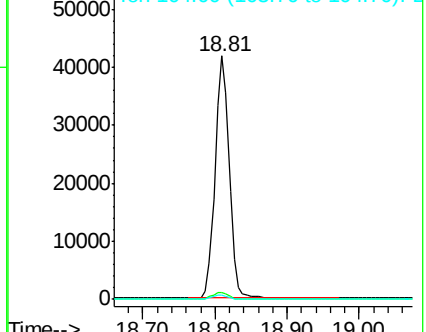
104 1.7 1.6 2.4



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# 1787

Delta R.T. 0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

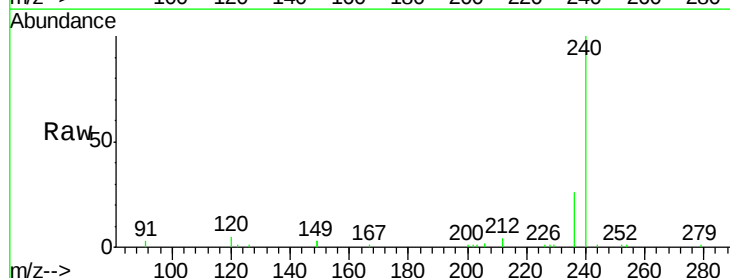
Tgt Ion:240 Resp: 12646

Ion Ratio Lower Upper

240 100

120 4.6 5.5 8.3#

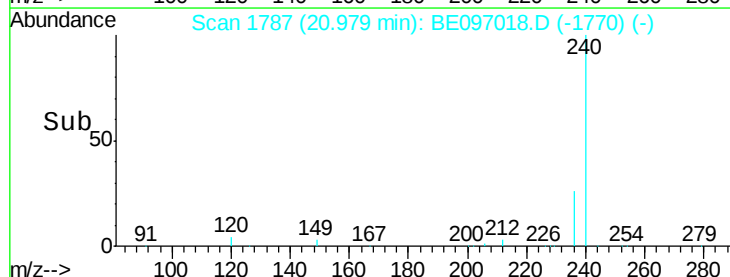
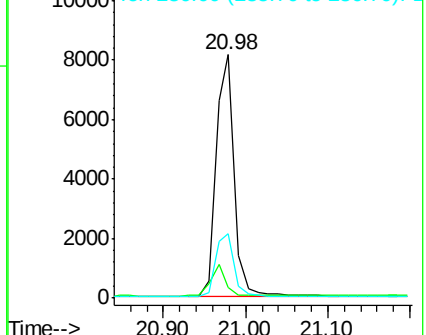
236 26.4 20.7 31.1

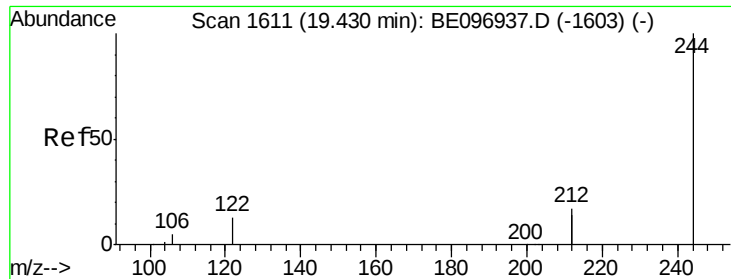


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.642 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

RE103D3-071218

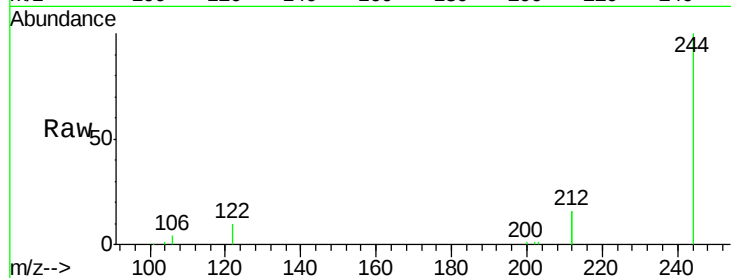
Tgt Ion:244 Resp: 15666

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

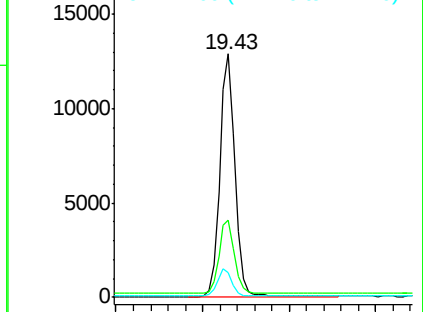
122 10.1 8.1 12.1



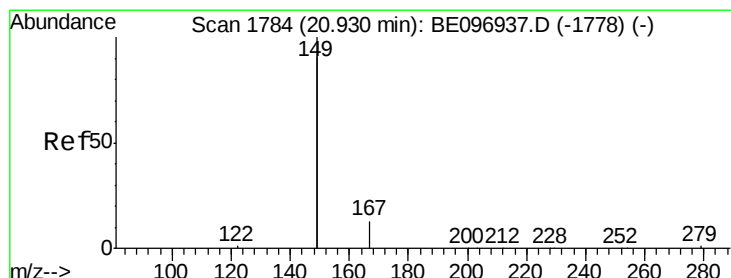
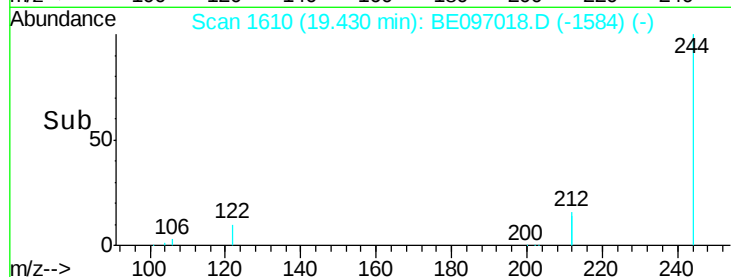
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.30 19.40 19.50 19.60



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.140 ng

RT: 20.92 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

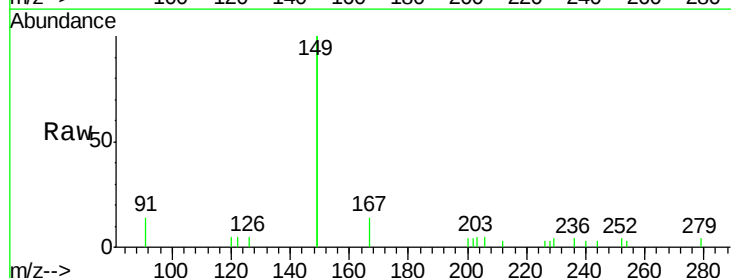
Tgt Ion:149 Resp: 4208

Ion Ratio Lower Upper

149 100

167 6.1 5.4 8.0

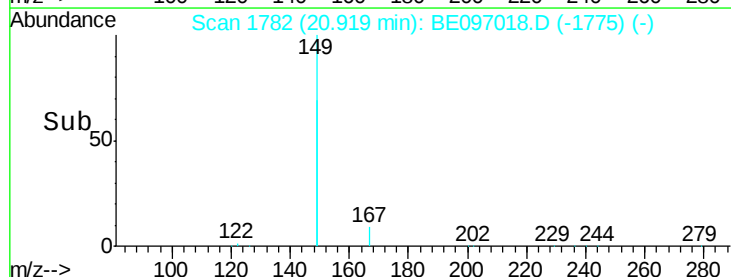
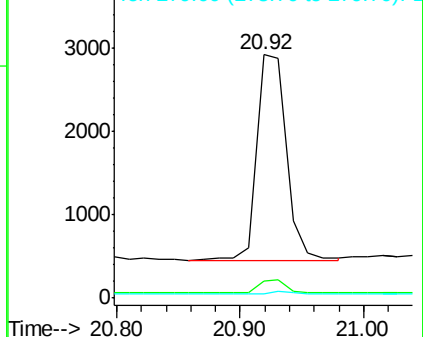
279 1.3 0.7 1.1#

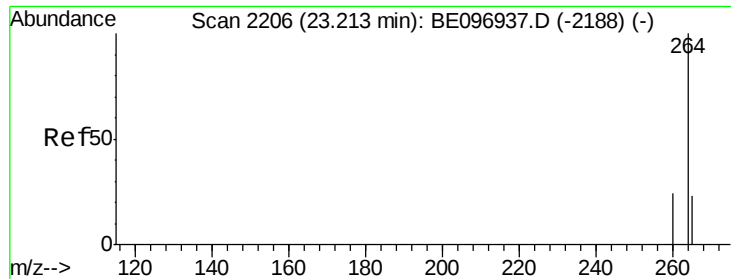


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

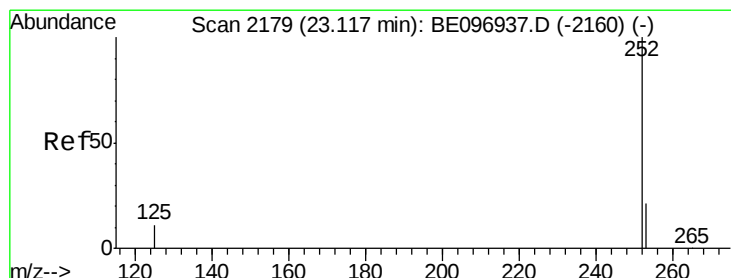
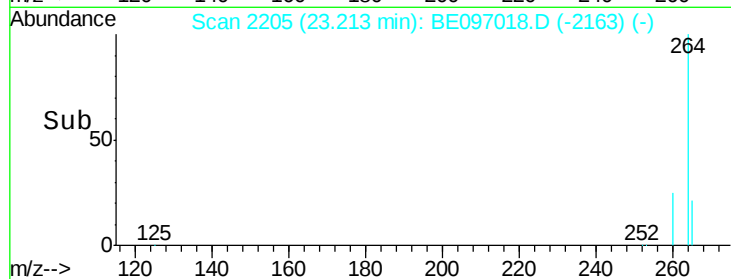
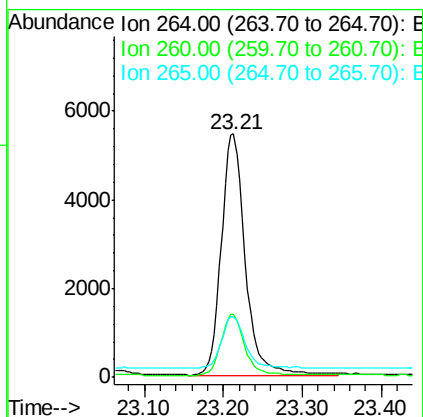
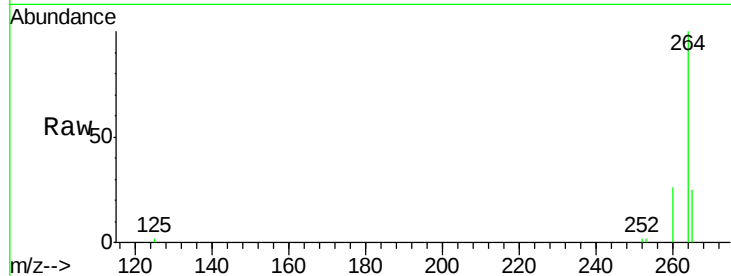




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BE097018.D
 Acq: 20 Jul 2018 7:12

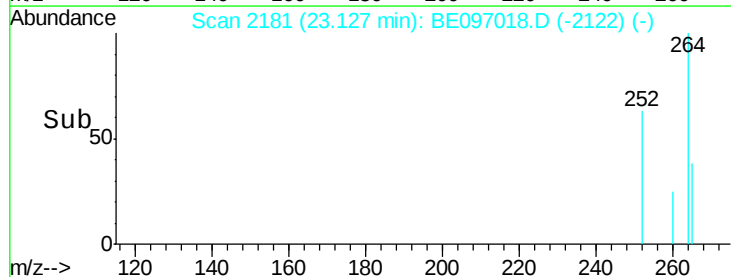
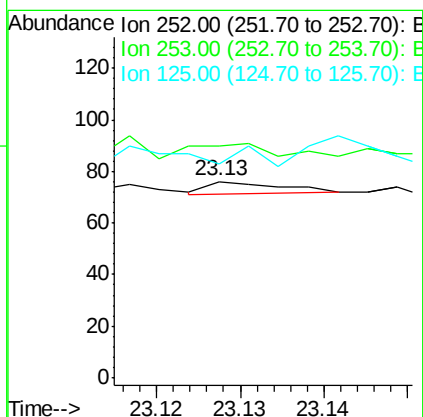
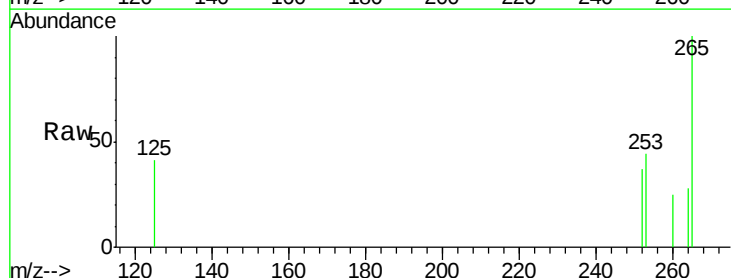
Instrument :
 BNA_E
 ClientSampleId :
 RE103D3-071218

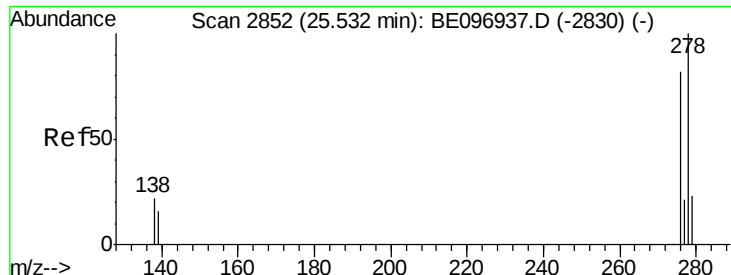
Tgt Ion:264 Resp: 11450
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 25.0 22.8 34.2



#37
 Benzo(a)pyrene
 Concen: 0.101 ng
 RT: 23.13 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: BE097018.D
 Acq: 20 Jul 2018 7:12

Tgt Ion:252 Resp: 3
 Ion Ratio Lower Upper
 252 100
 253 118.4 16.0 24.0#
 125 109.2 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097018.D

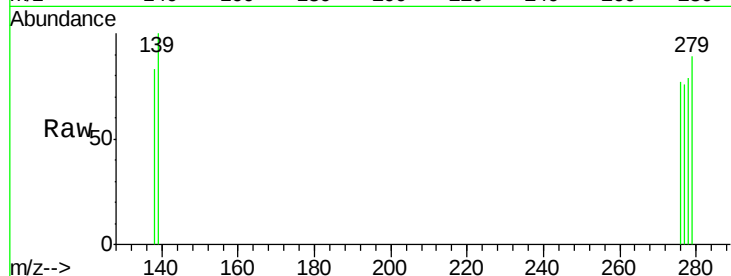
Acq: 20 Jul 2018 7:12

Instrument :

BNA_E

ClientSampleId :

RE103D3-071218



Tgt Ion:	278	Resp:	2
Ion	Ratio	Lower	Upper
278	100		
139	126.9	16.0	24.0#
279	113.5	20.0	30.0#

