

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072018\
 Data File : BE097023.D
 Acq On : 20 Jul 2018 10:20
 Operator : SJ/JU
 Sample : J4014-02DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 11:34:54 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	1282	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5970	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3502	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	10193	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9381	0.40	ng	0.00
34) Perylene-d12	23.21	264	8641	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	277	0.09	ng	0.00
5) Phenol-d6	6.59	99	223	0.05	ng	0.00
8) Nitrobenzene-d5	8.53	82	1018	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1796	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	224	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	3194	0.25	ng	0.00
25) Fluoranthene-d10	18.81	212	23379	0.26	ng	0.00
29) Terphenyl-d14	19.43	244	6210	0.34	ng	0.00

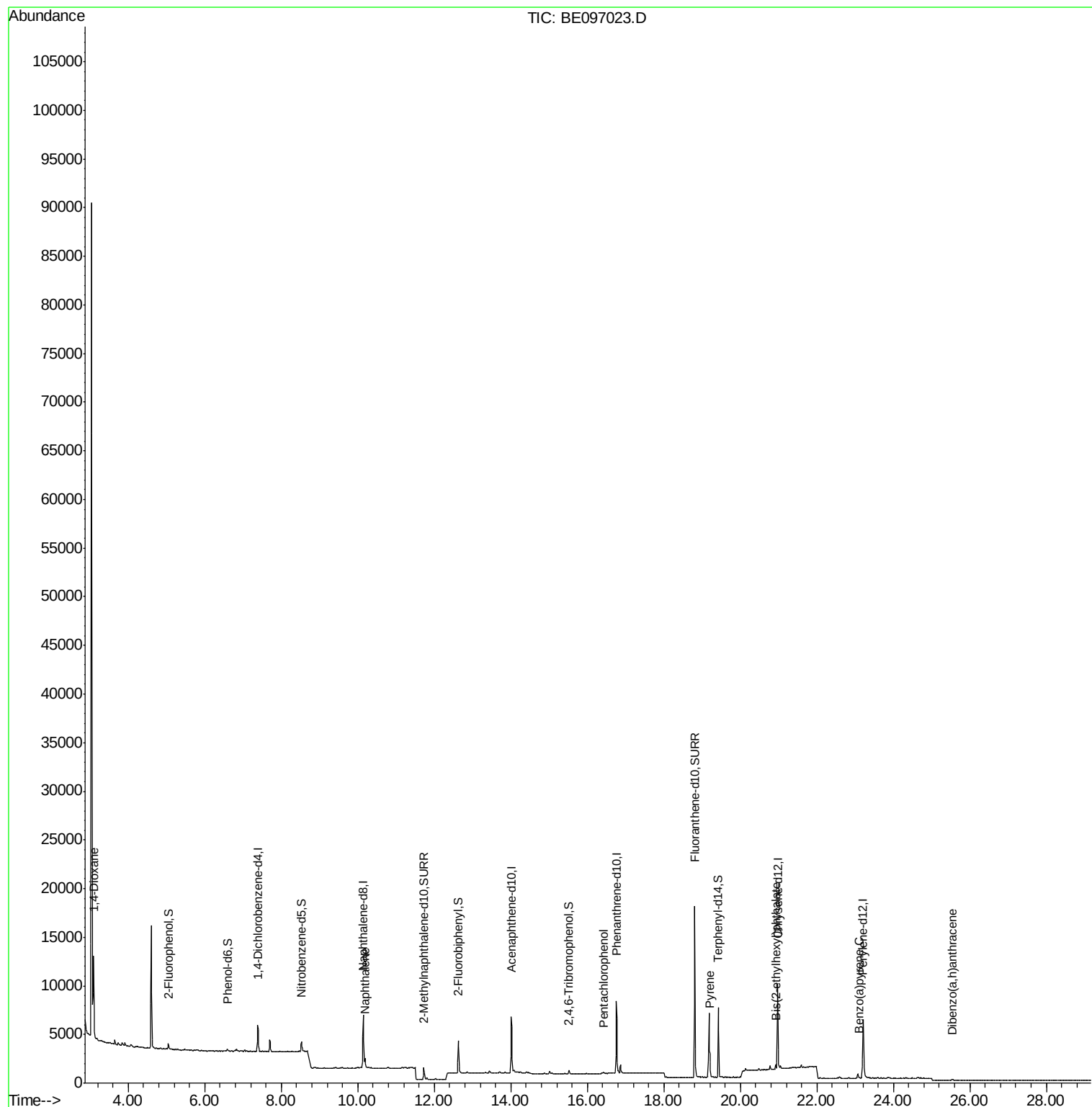
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	3859	2.103	ng	91
9) Naphthalene	10.20	128	1570	0.029	ng	# 89
22) Pentachlorophenol	16.44	266	34	0.027	ng	97
28) Pyrene	19.21	202	2170	0.078	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	753	0.034	ng	# 97
37) Benzo(a)pyrene	23.11	252	39	0.103	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	32	0.119	ng	# 1

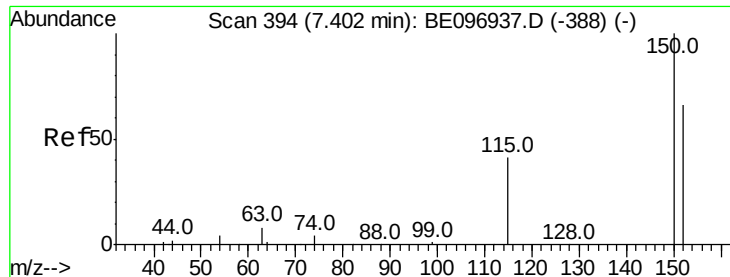
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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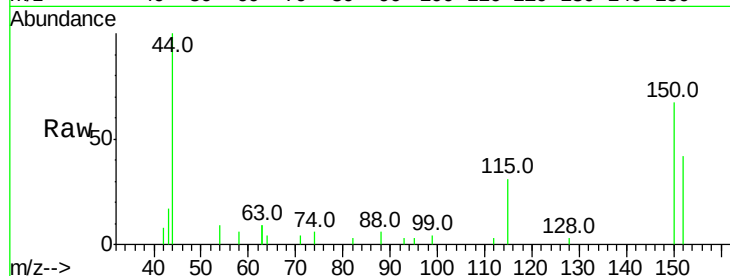


#1

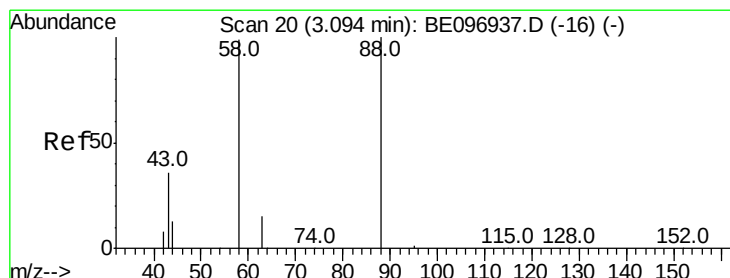
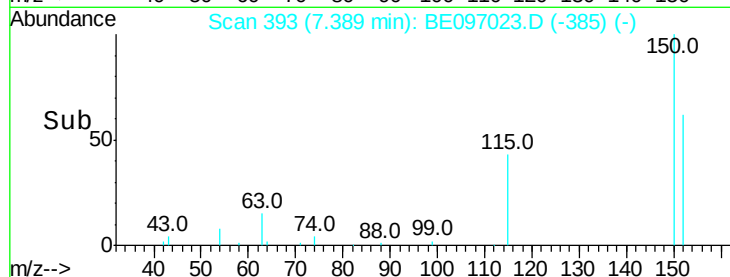
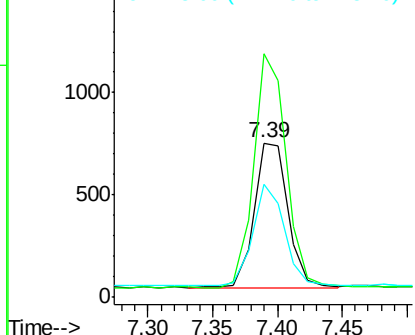
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097023.D
Acq: 20 Jul 2018 10:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1282
Ion Ratio Lower Upper
152 100
150 157.8 117.2 175.8
115 73.1 57.0 85.6



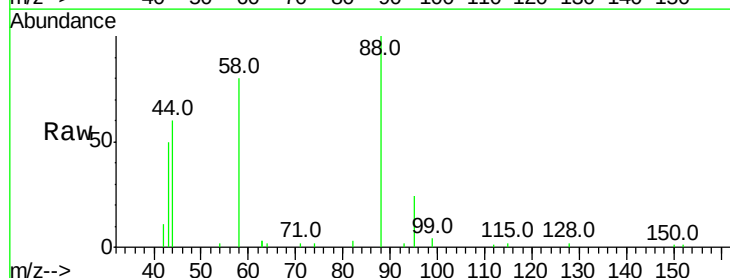
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



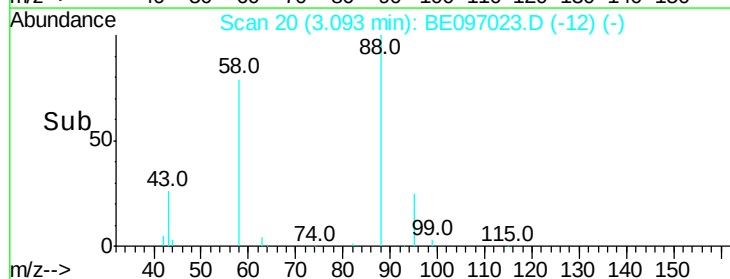
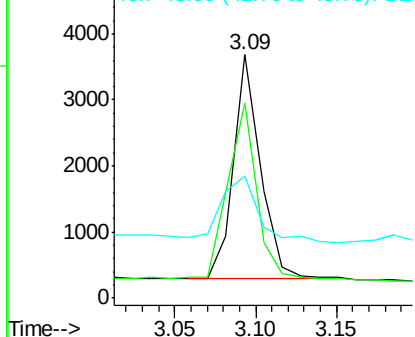
#2

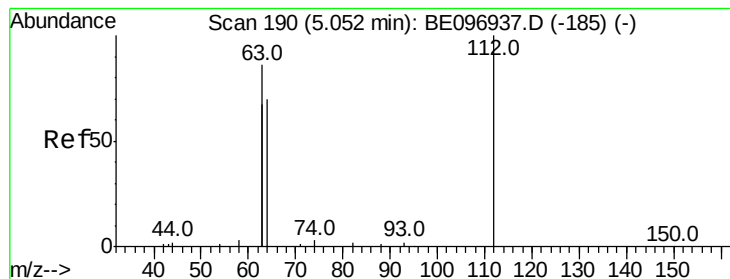
1,4-Dioxane
Concen: 2.103 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097023.D
Acq: 20 Jul 2018 10:20

Tgt Ion: 88 Resp: 3859
Ion Ratio Lower Upper
88 100
58 84.6 63.2 94.8
43 41.9 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: 0.090 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

Instrument :

BNA_E

ClientSampleId :

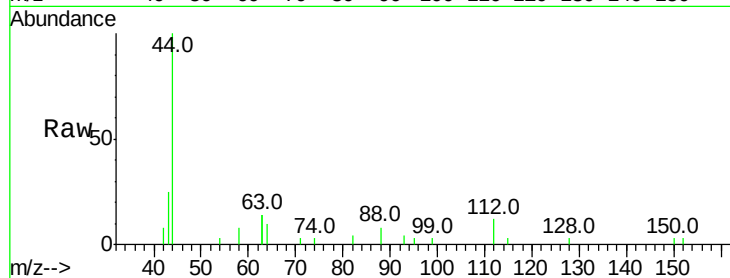
Tot Ion: 112 Resp: 277

Ion Ratio Lower Upper

112 100

64 75.1 60.1 90.1

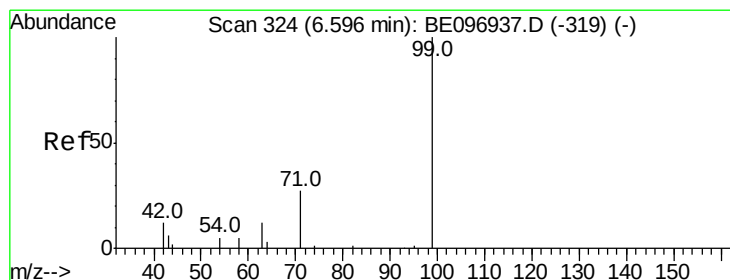
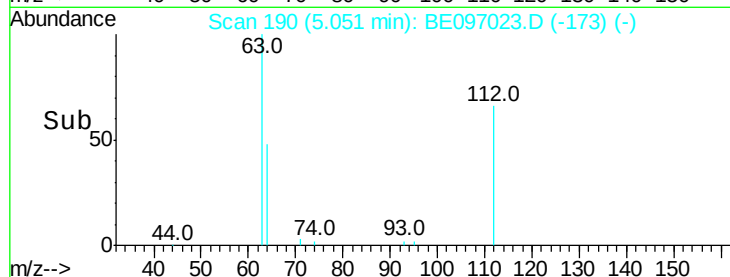
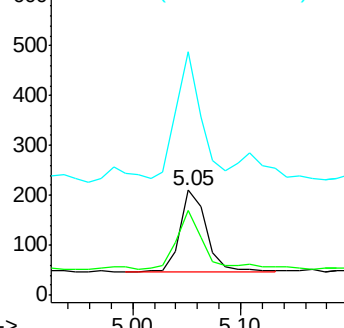
63 150.9 116.8 175.2



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: 0.048 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

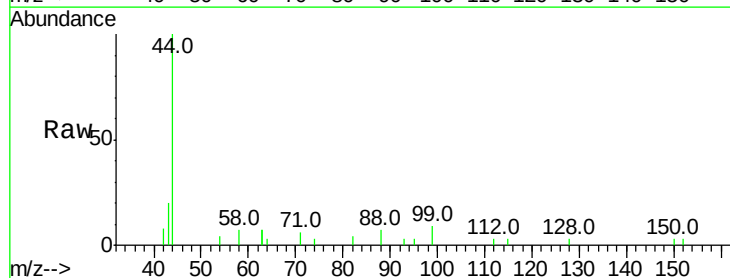
Tgt Ion: 99 Resp: 223

Ion Ratio Lower Upper

99 100

42 30.5 20.2 30.2#

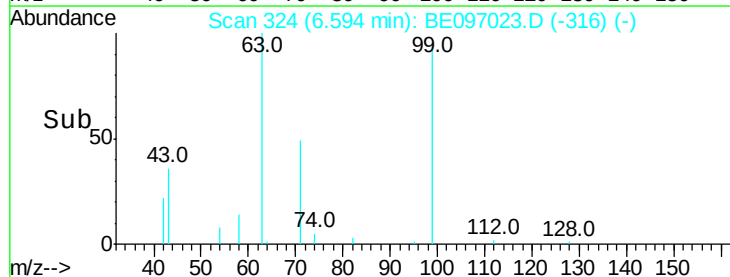
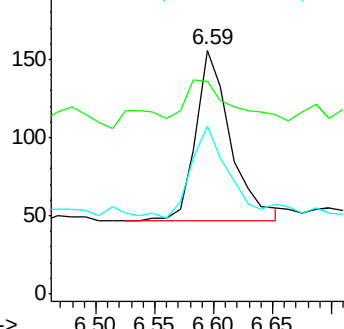
71 53.8 28.4 42.6#

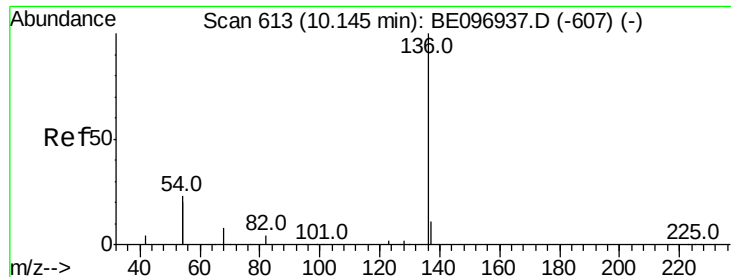


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 5970

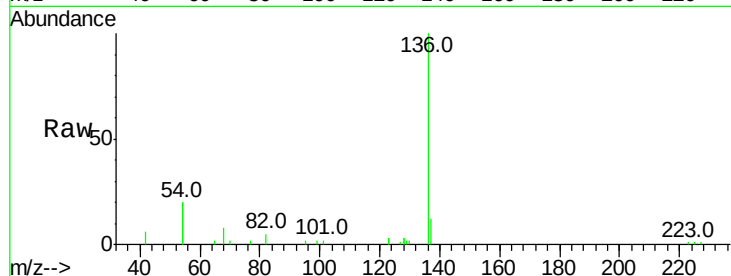
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 39.7 29.1 43.7

68 7.7 6.2 9.2

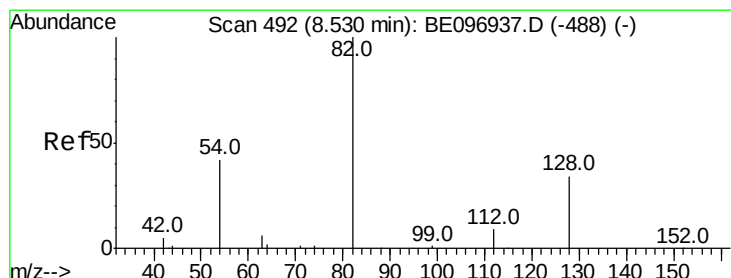
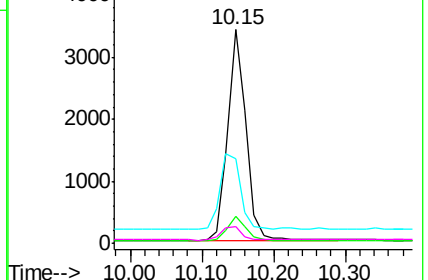
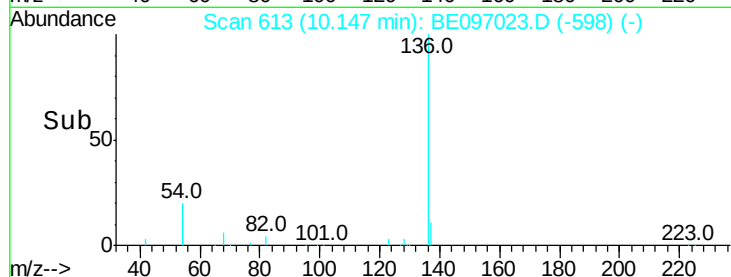


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.234 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

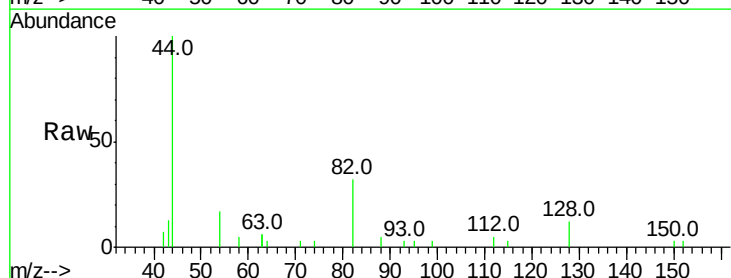
Tgt Ion: 82 Resp: 1018

Ion Ratio Lower Upper

82 100

128 38.9 24.0 36.0#

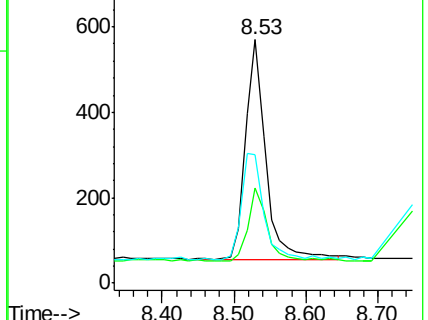
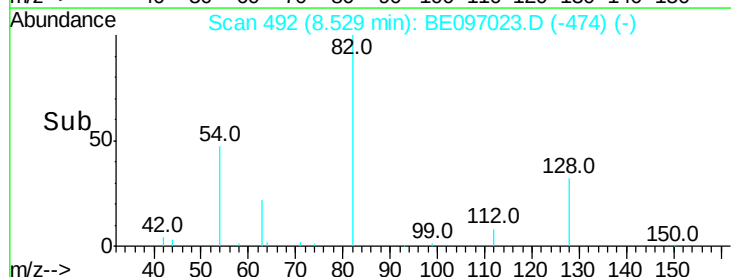
54 52.6 40.0 60.0

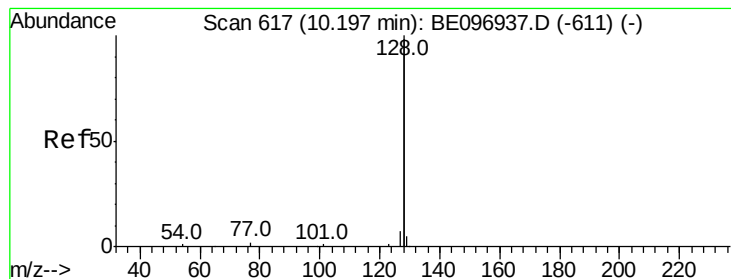


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.029 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

Instrument :

BNA_E

ClientSampleId :

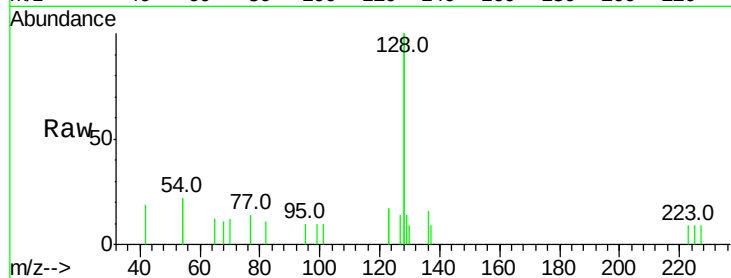
Tot Ion:128 Resp: 1570

Ion Ratio Lower Upper

128 100

129 7.1 2.6 3.8#

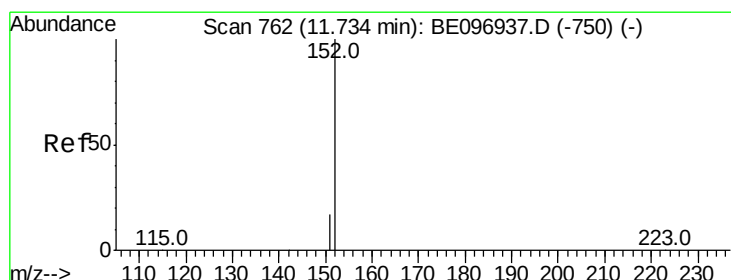
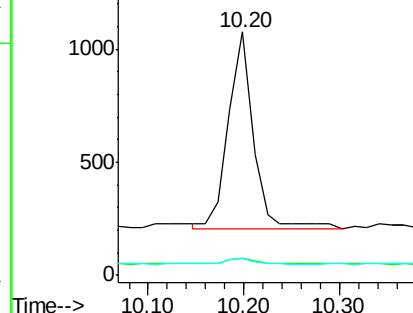
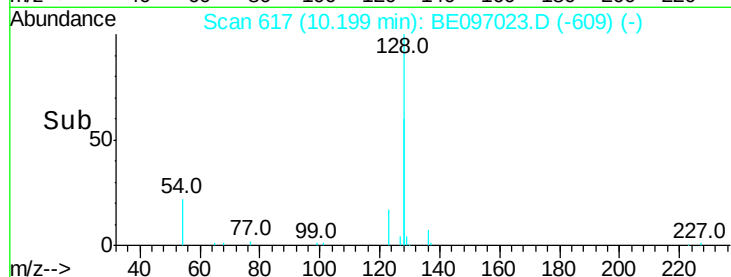
127 6.8 2.8 4.2#



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: 0.206 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097023.D

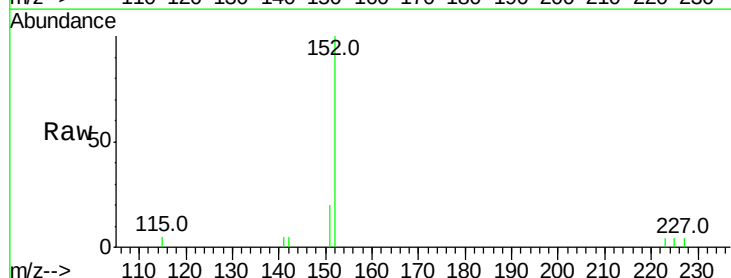
Acq: 20 Jul 2018 10:20

Tgt Ion:152 Resp: 1796

Ion Ratio Lower Upper

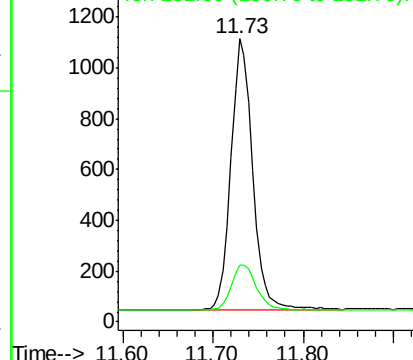
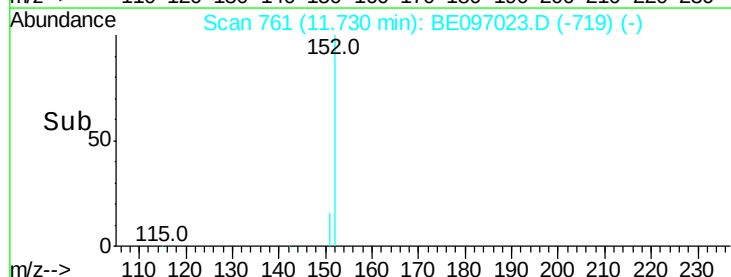
152 100

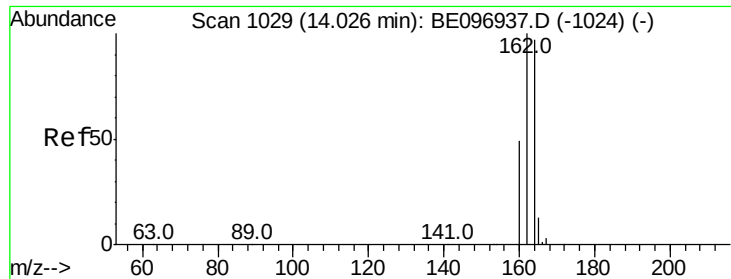
151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

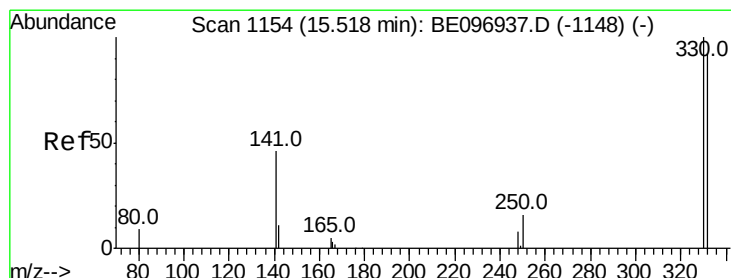
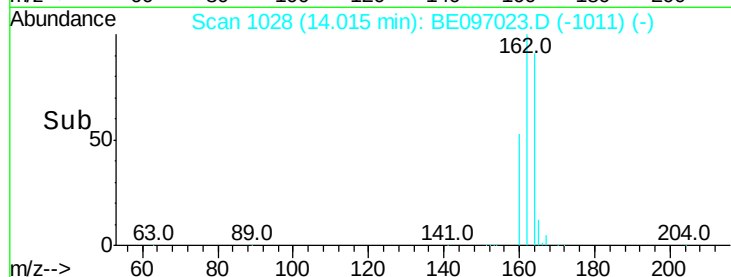
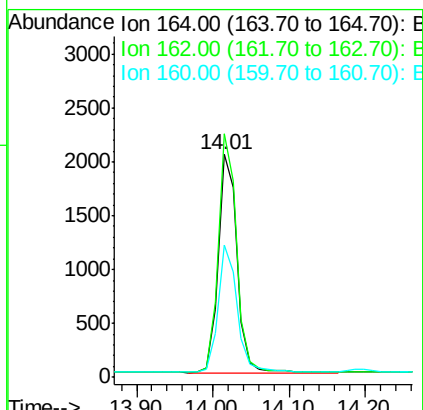
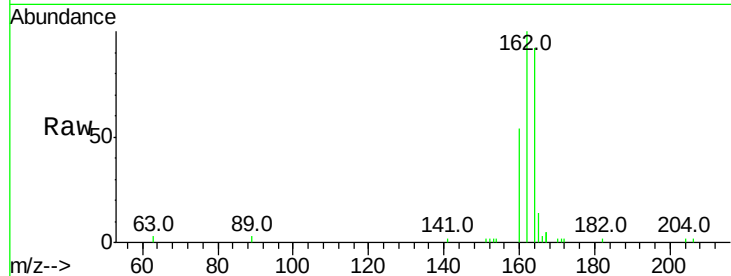




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE097023.D
 Acq: 20 Jul 2018 10:20

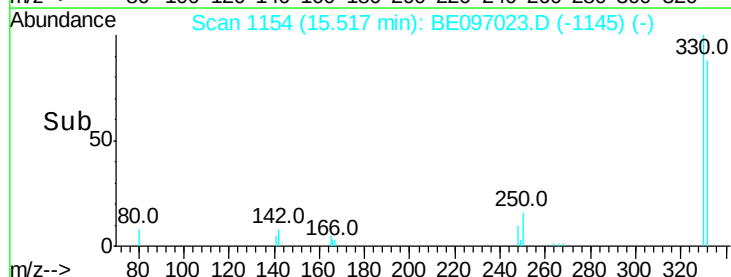
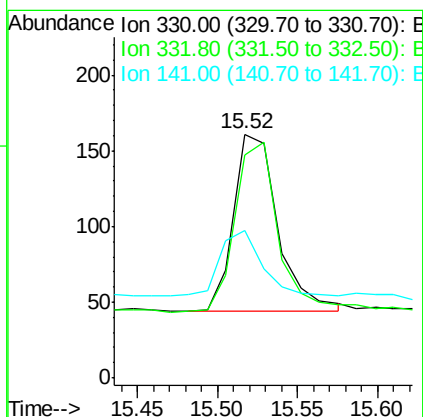
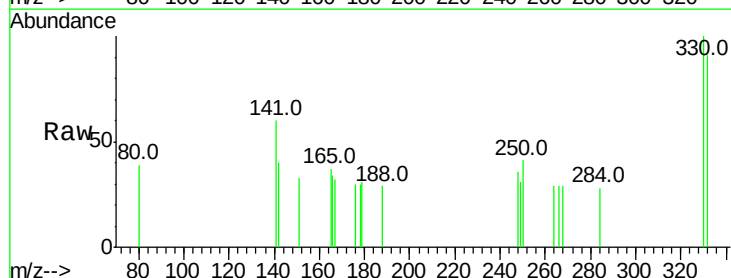
Instrument :
 BNA_E
 ClientSampleId :

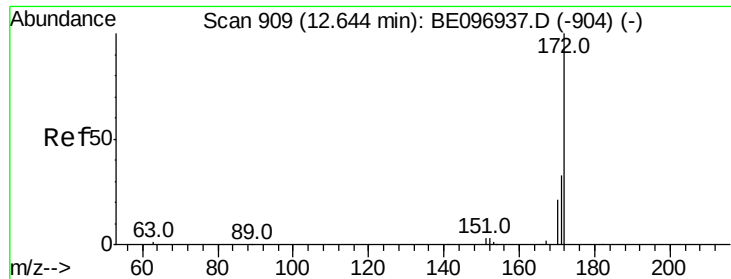
Tot Ion:164 Resp: 3502
 Ion Ratio Lower Upper
 164 100
 162 109.1 83.1 124.7
 160 59.4 37.1 55.7#



#14
 2,4,6-Tribromophenol
 Concen: 0.312 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE097023.D
 Acq: 20 Jul 2018 10:20

Tgt Ion:330 Resp: 224
 Ion Ratio Lower Upper
 330 100
 332 95.1 152.7 229.1#
 141 34.8 33.7 50.5

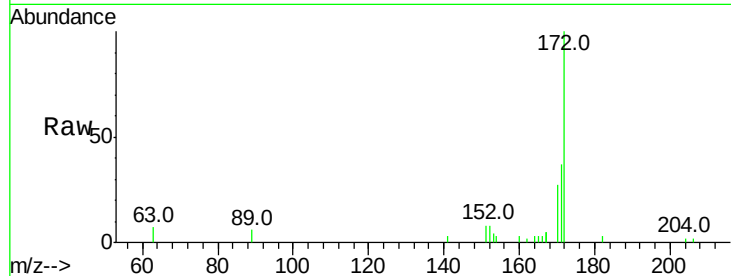




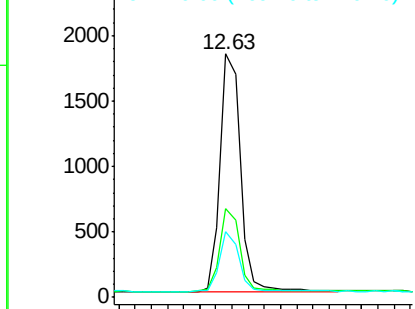
#15
2-Fluorobiphenyl
Concen: 0.245 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097023.D
Acq: 20 Jul 2018 10:20

Instrument :
BNA_E
ClientSampleId :

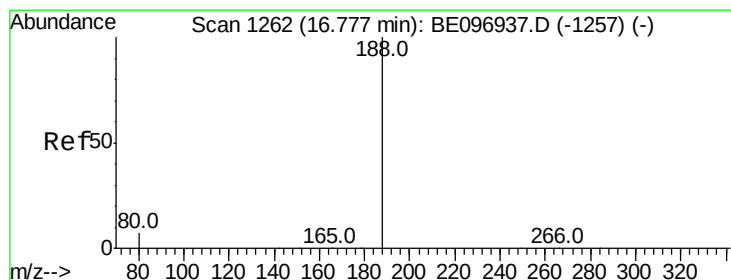
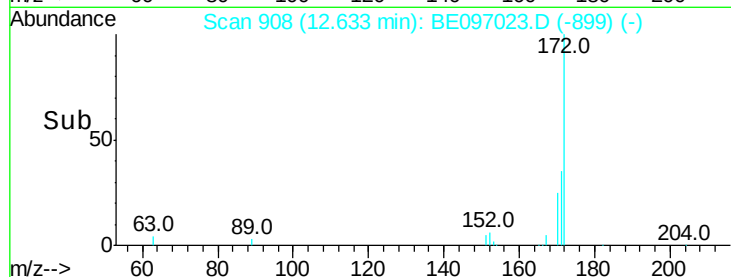
Tot Ion:172 Resp: 3194
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 26.9 21.8 32.8



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

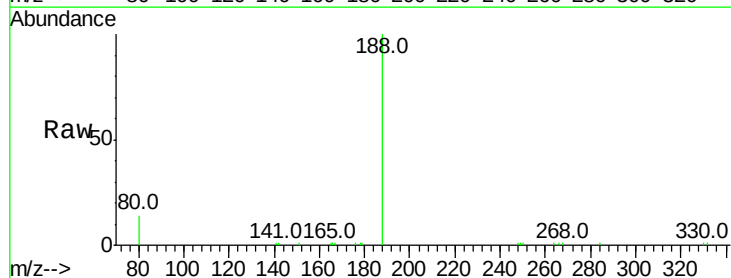


Time--> 12.50 12.60 12.70 12.80

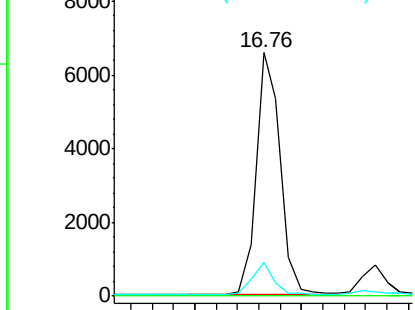


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097023.D
Acq: 20 Jul 2018 10:20

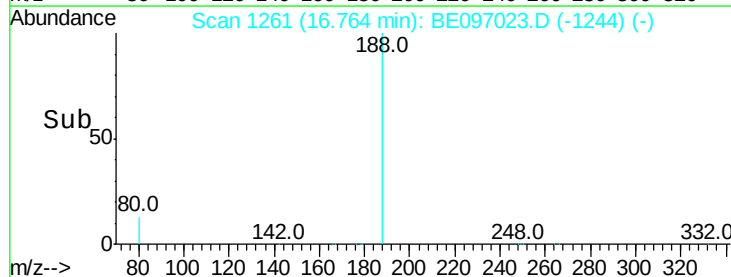
Tgt Ion:188 Resp: 10193
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 13.9 3.6 5.4#

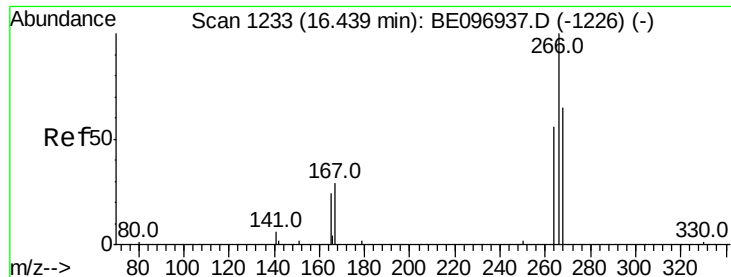


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0



Time--> 16.70 16.80

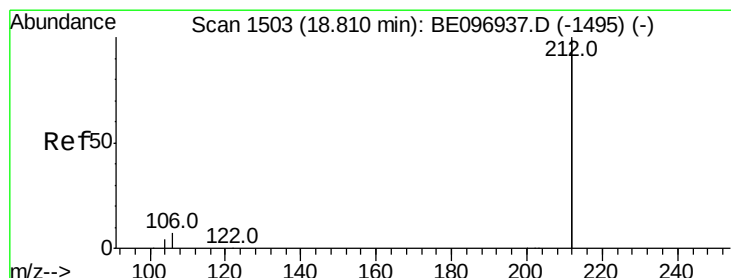
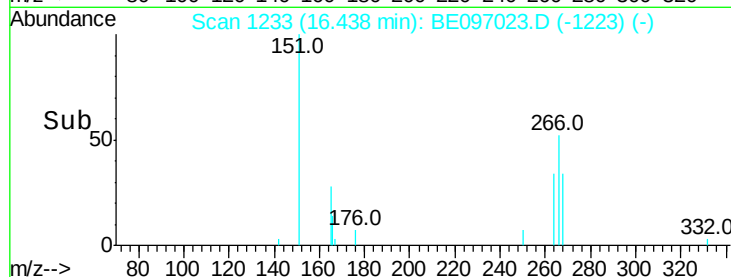
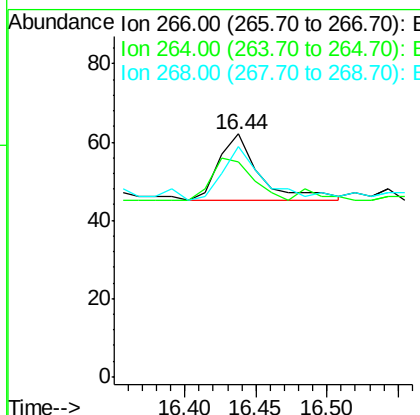
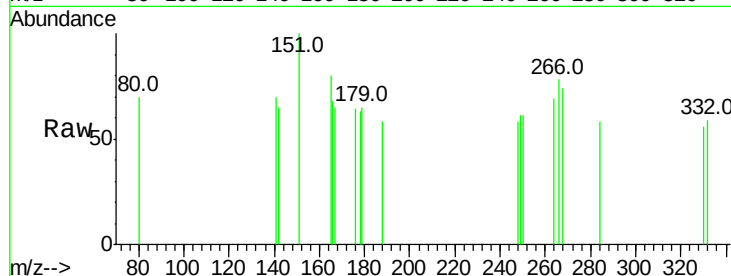




#22
 Pentachlorophenol
 Concen: 0.027 ng
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE097023.D
 Acq: 20 Jul 2018 10:20

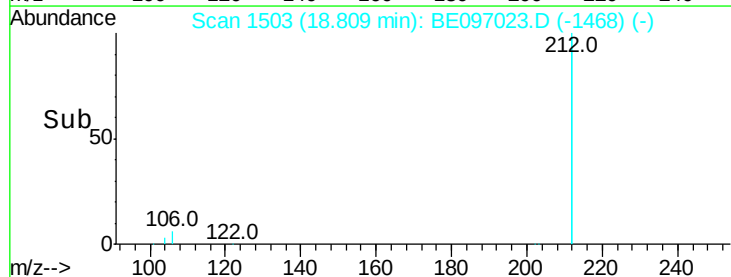
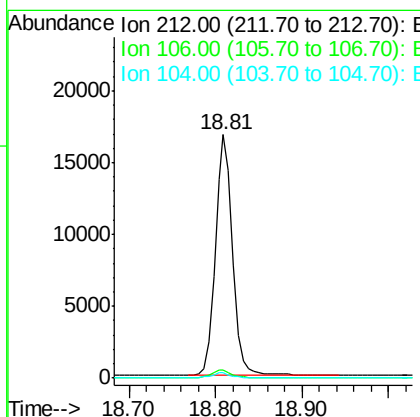
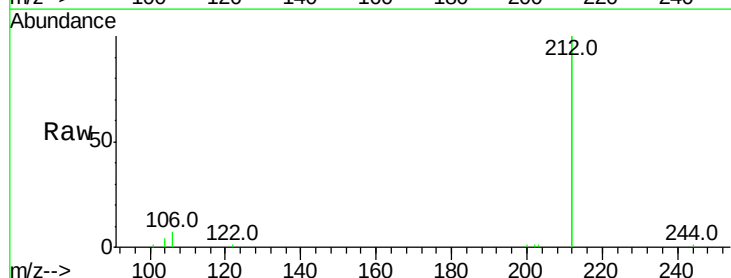
Instrument :
 BNA_E
 ClientSampleId :

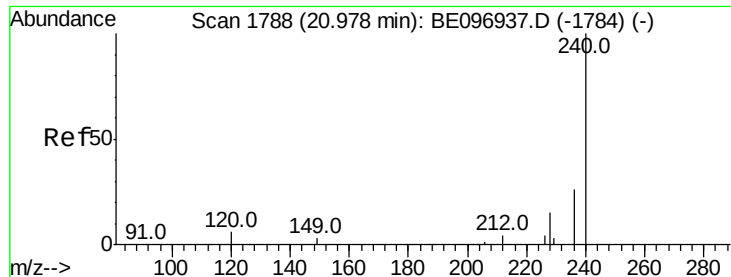
Tot Ion:266 Resp: 34
 Ion Ratio Lower Upper
 266 100
 264 88.7 72.5 108.7
 268 95.2 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.264 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: BE097023.D
 Acq: 20 Jul 2018 10:20

Tgt Ion:212 Resp: 23379
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.8 4.2
 104 1.8 1.6 2.4

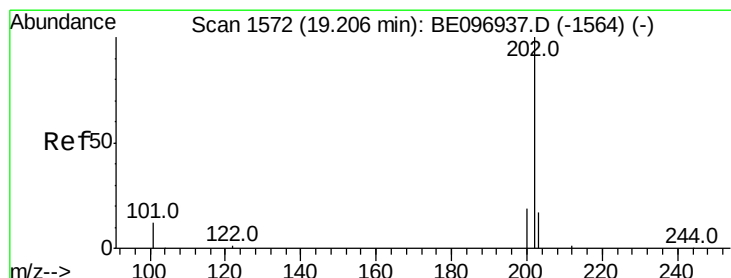
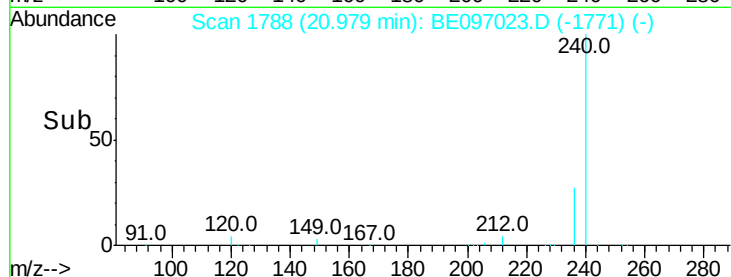
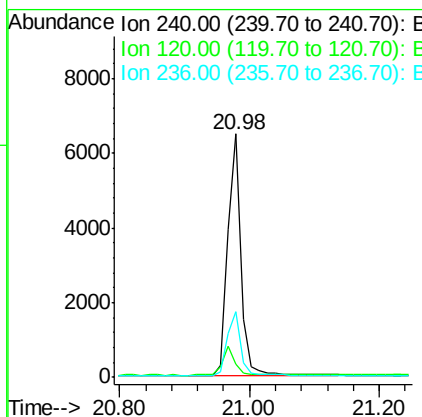
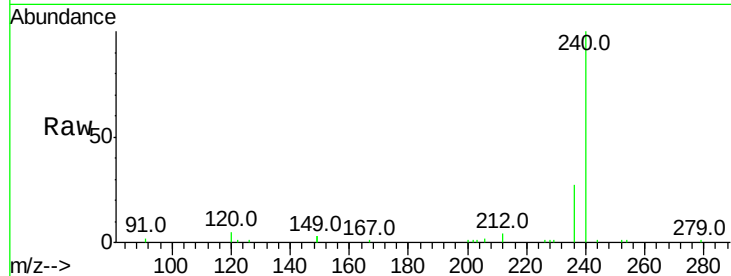




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE097023.D
 Acq: 20 Jul 2018 10:20

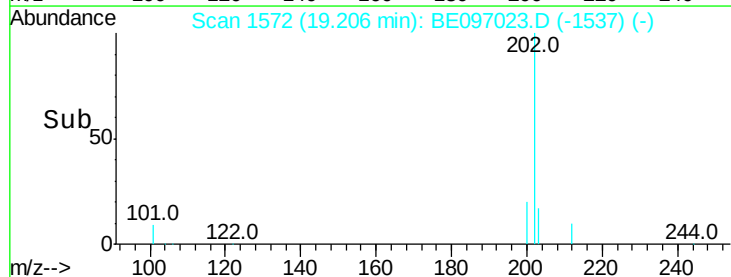
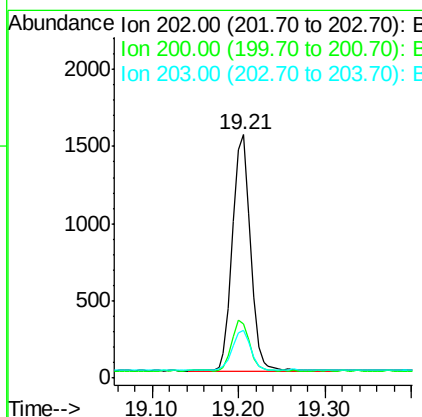
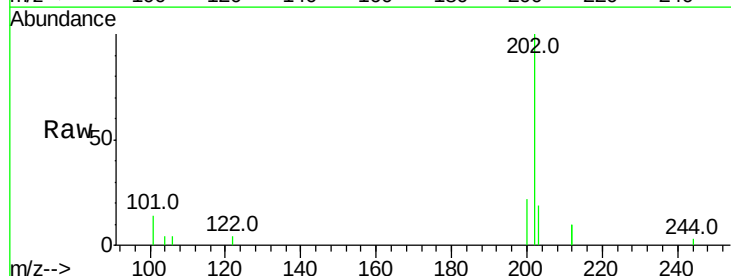
Instrument :
 BNA_E
 ClientSampleId :

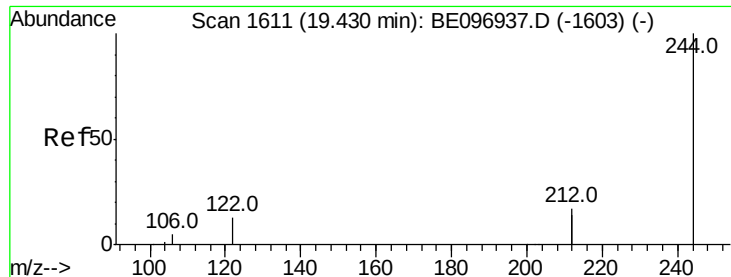
Tot Ion:240 Resp: 9381
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.5 8.3#
 236 27.2 20.7 31.1



#28
 Pyrene
 Concen: 0.078 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BE097023.D
 Acq: 20 Jul 2018 10:20

Tgt Ion:202 Resp: 2170
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.6 25.0
 203 17.0 13.8 20.8





#29

Terphenyl-d14

Concen: 0.343 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

Instrument :

BNA_E

ClientSampleId :

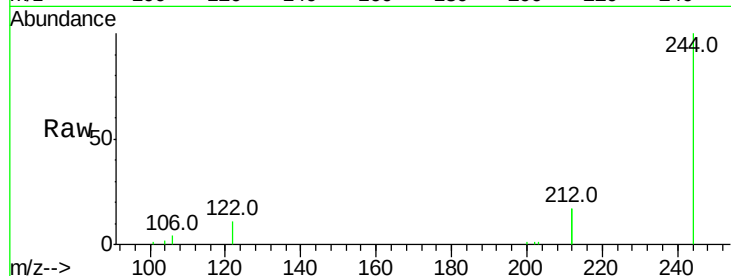
Tot Ion:244 Resp: 6210

Ion Ratio Lower Upper

244 100

212 34.4 25.4 38.0

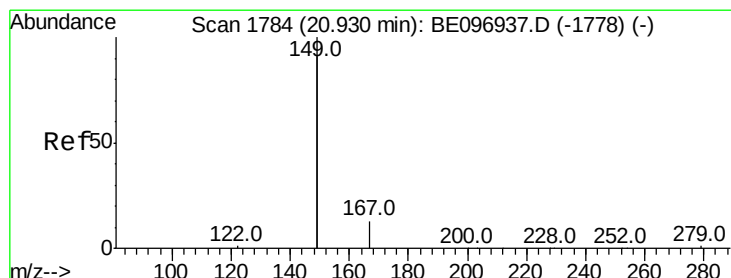
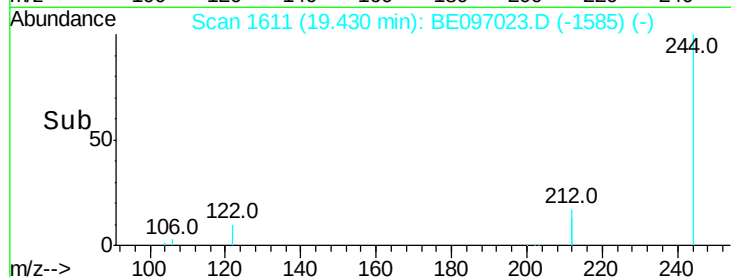
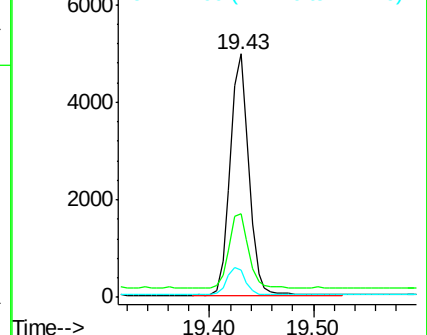
122 11.0 8.1 12.1



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: 0.034 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

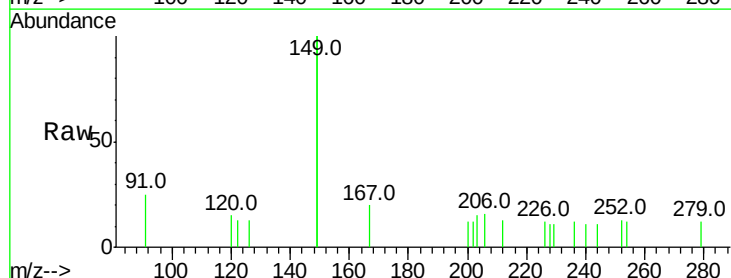
Tgt Ion:149 Resp: 753

Ion Ratio Lower Upper

149 100

167 8.0 5.4 8.0

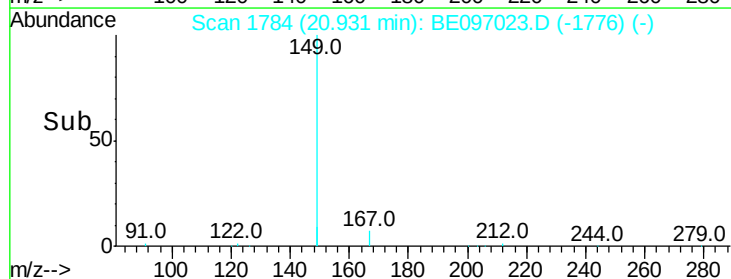
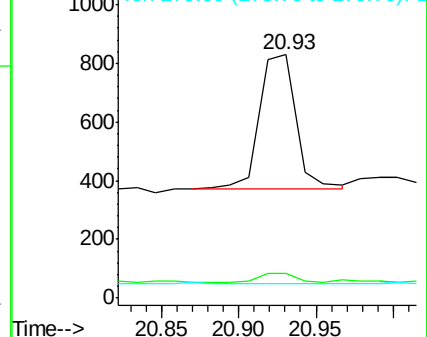
279 0.7 0.7 1.1#

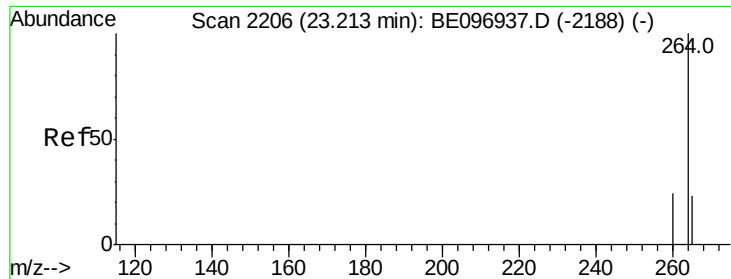


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

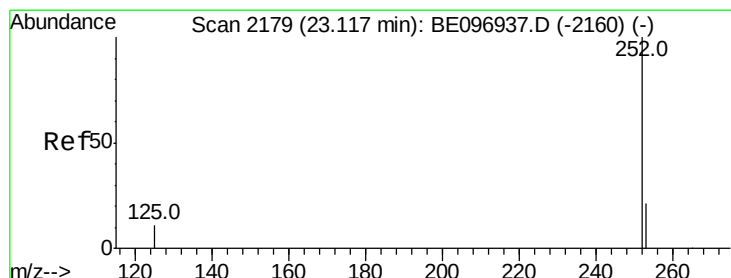
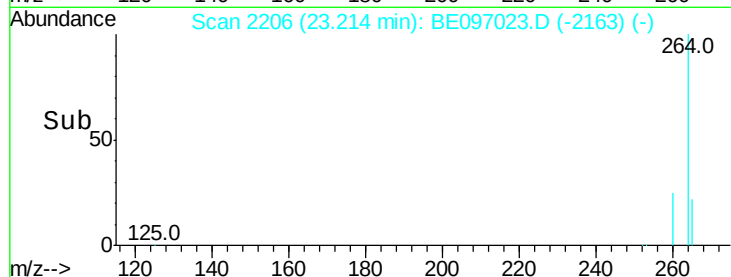
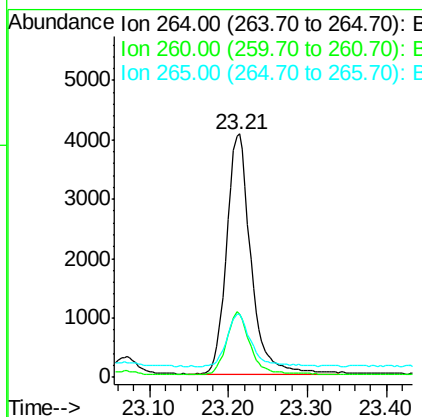
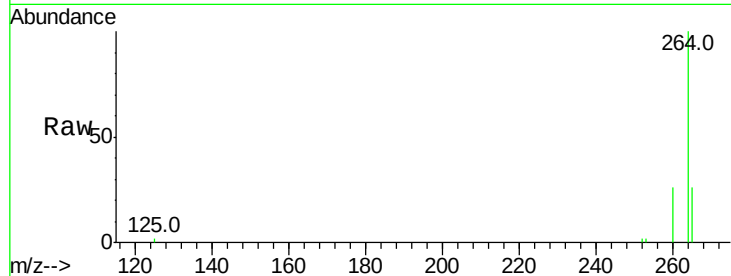




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE097023.D
Acq: 20 Jul 2018 10:20

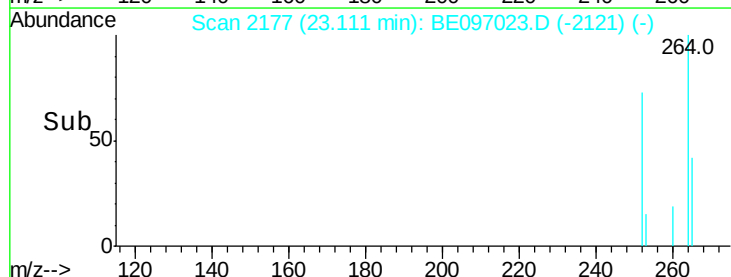
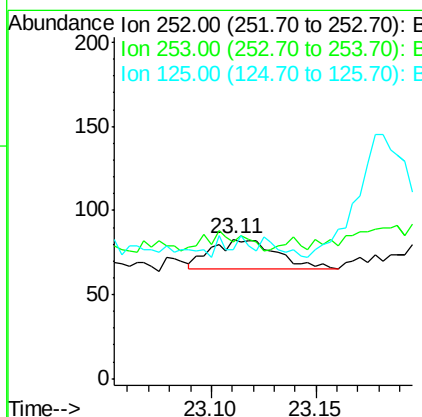
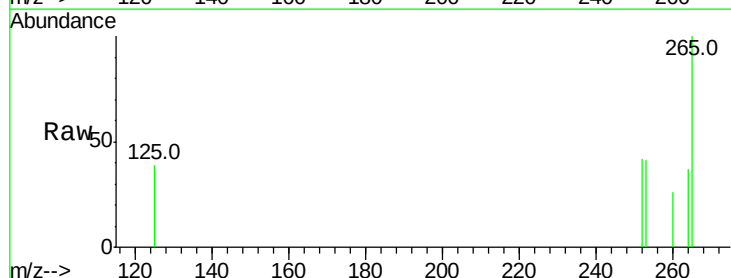
Instrument :
BNA_E
ClientSampleId :

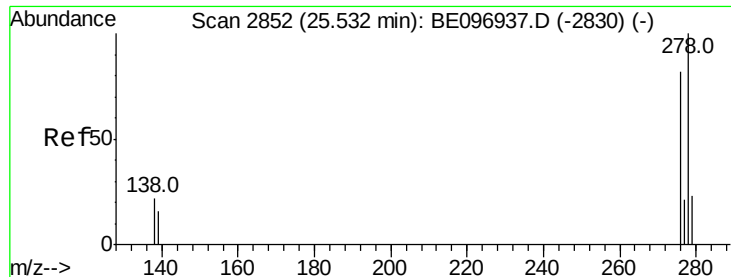
Tot Ion:264 Resp: 8641
Ion Ratio Lower Upper
264 100
260 25.7 20.5 30.7
265 26.2 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.103 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE097023.D
Acq: 20 Jul 2018 10:20

Tgt Ion:252 Resp: 39
Ion Ratio Lower Upper
252 100
253 97.6 16.0 24.0#
125 92.8 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.119 ng

RT: 25.54 min Scan# 2855

Delta R.T. 0.01 min

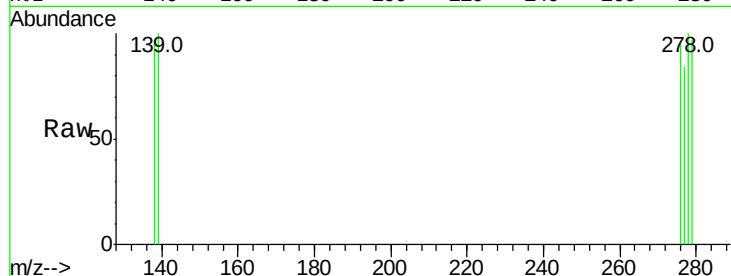
Lab File: BE097023.D

Acq: 20 Jul 2018 10:20

Instrument :

BNA_E

ClientSampleId :



Tot Ion:278 Resp: 32

Ion Ratio Lower Upper

278 100

139 100.0 16.0 24.0#

279 96.8 20.0 30.0#

