

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072018\
 Data File : BE097026.D
 Acq On : 20 Jul 2018 12:10
 Operator : SJ/JU
 Sample : J4014-15DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 13:11:40 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

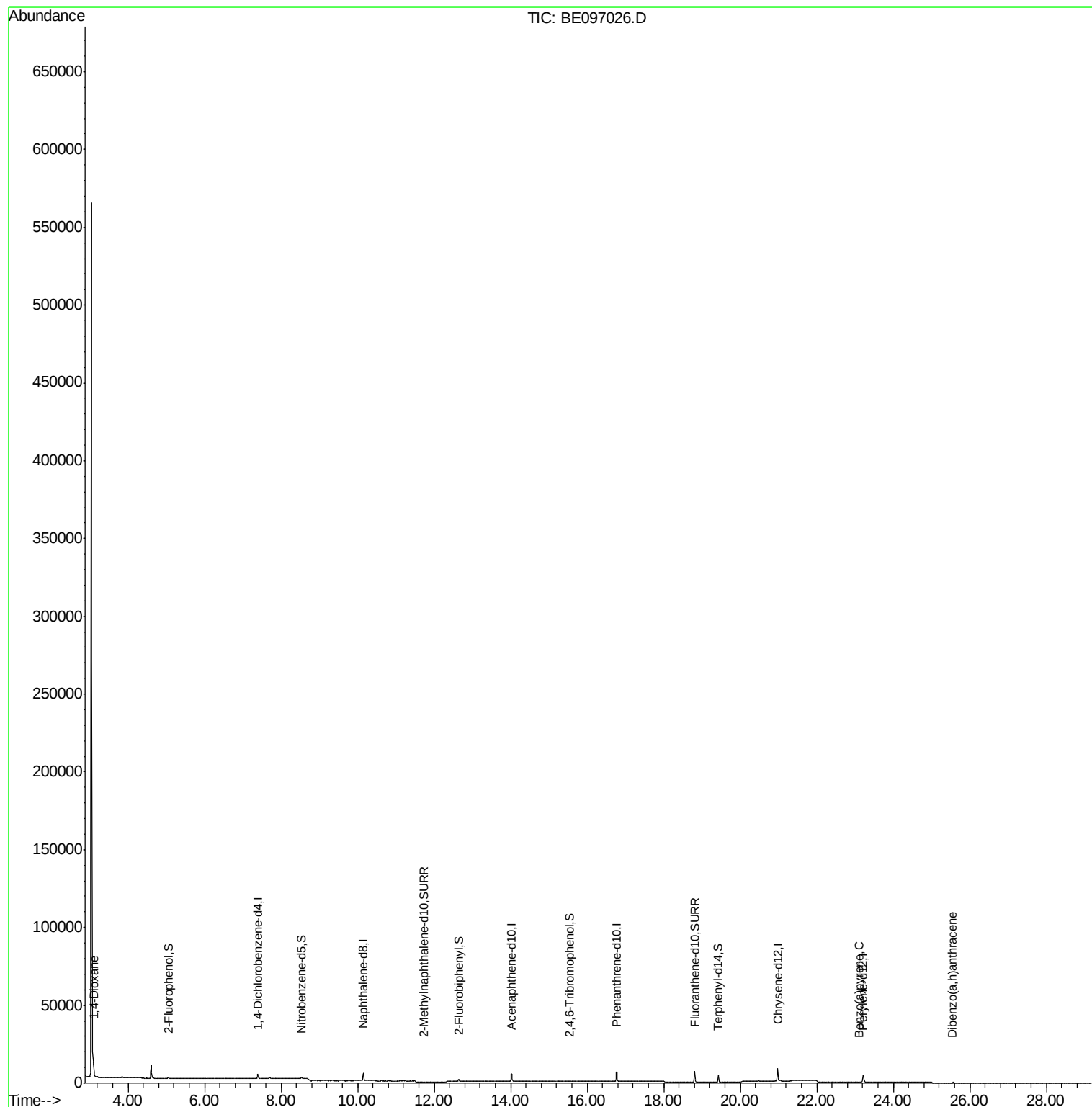
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1222	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5624	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	3317	0.40	ng	0.01
19) Phenanthrene-d10	16.76	188	9905	0.40	ng	0.00
27) Chrysene-d12	20.98	240	8190	0.40	ng	0.00
34) Perylene-d12	23.21	264	7046	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	134	0.05	ng	0.00
5) Phenol-d6	6.60	99	88	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	415	0.10	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	791	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	87	0.16	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	1490	0.12	ng	0.01
25) Fluoranthene-d10	18.81	212	9775	0.11	ng	0.00
29) Terphenyl-d14	19.43	244	4102	0.26	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.10	88	2595	1.483	ng	91
22) Pentachlorophenol	16.44	266	5	Below Cal		94
37) Benzo(a)pyrene	23.11	252	3	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	2	0.118	ng	# 1

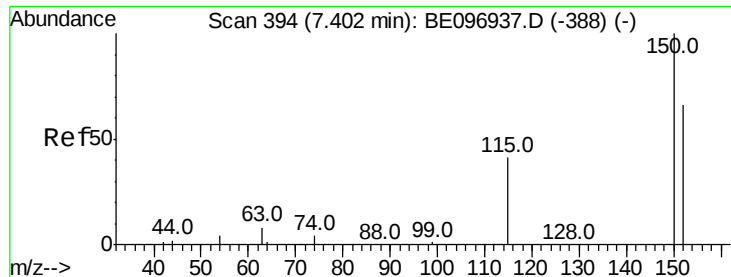
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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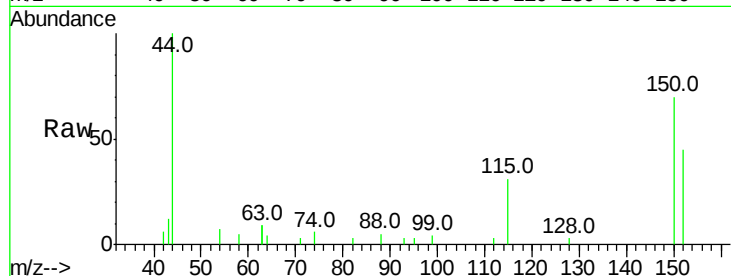


#1

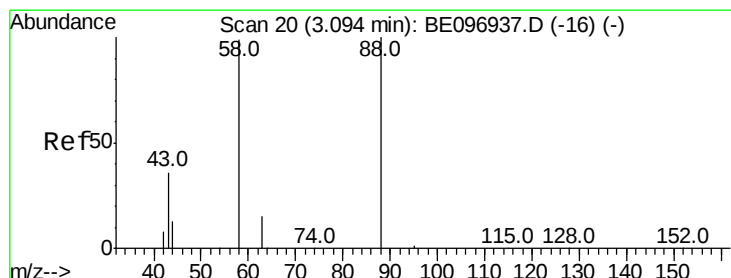
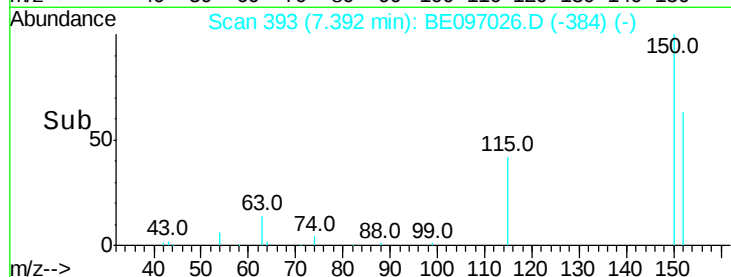
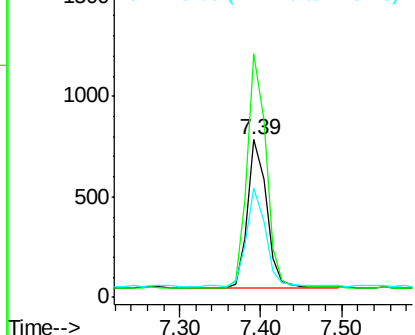
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097026.D
Acq: 20 Jul 2018 12:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1222
Ion Ratio Lower Upper
152 100
150 154.5 117.2 175.8
115 69.4 57.0 85.6



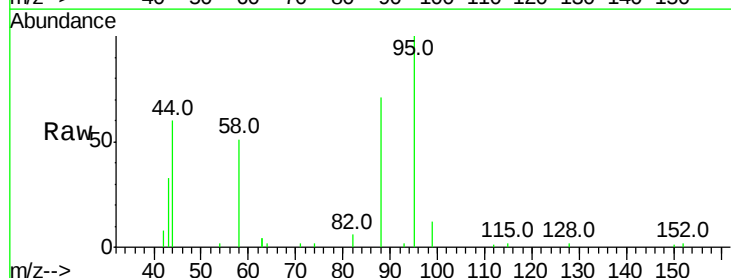
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



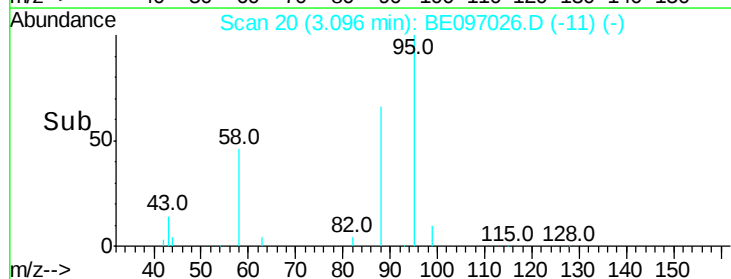
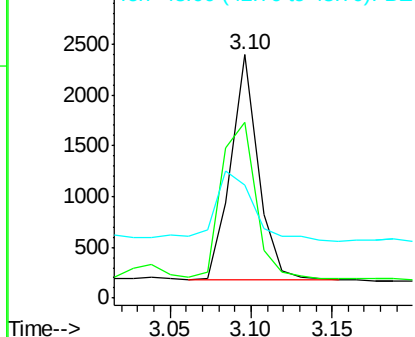
#2

1,4-Dioxane
Concen: 1.483 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097026.D
Acq: 20 Jul 2018 12:10

Tgt Ion: 88 Resp: 2595
Ion Ratio Lower Upper
88 100
58 86.3 63.2 94.8
43 45.4 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: 0.046 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097026.D

Acq: 20 Jul 2018 12:10

Instrument :

BNA_E

ClientSampleId :

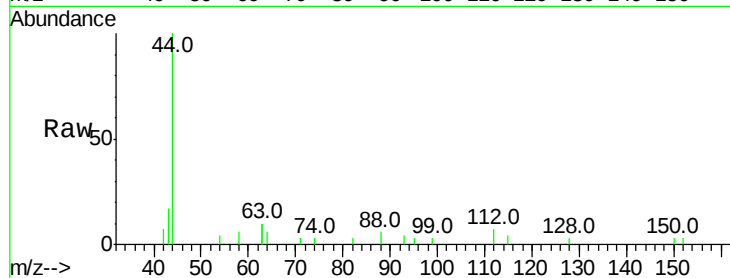
Tot Ion: 112 Resp: 134

Ion Ratio Lower Upper

112 100

64 84.3 60.1 90.1

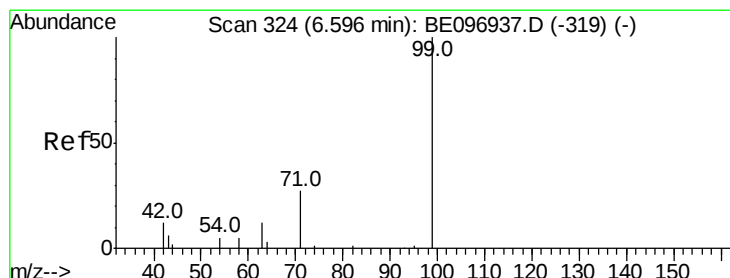
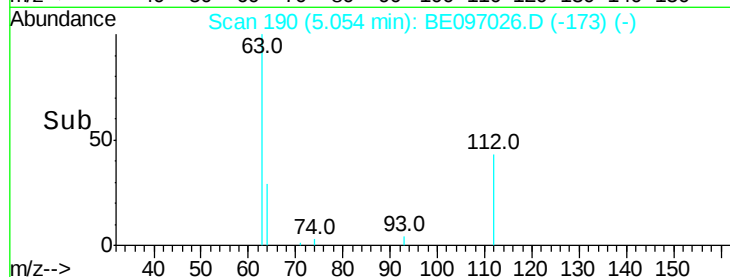
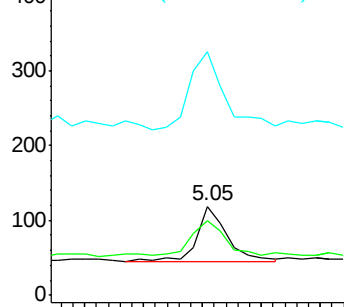
63 159.0 116.8 175.2



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: 0.020 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097026.D

Acq: 20 Jul 2018 12:10

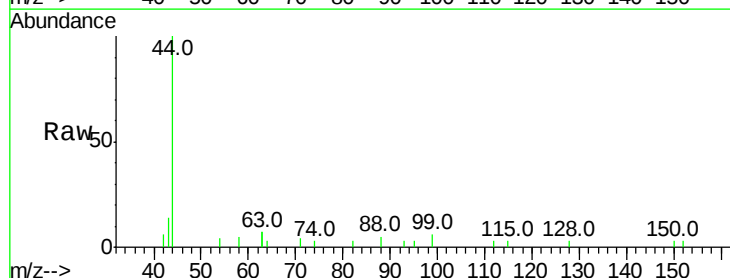
Tgt Ion: 99 Resp: 88

Ion Ratio Lower Upper

99 100

42 29.5 20.2 30.2

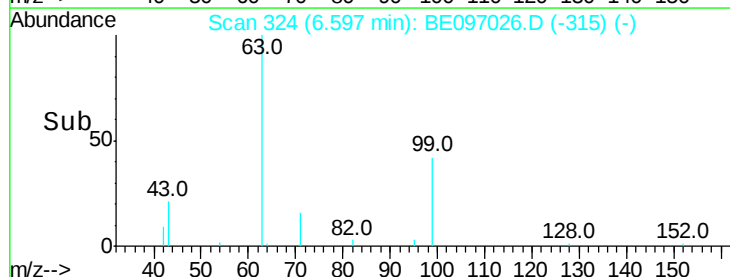
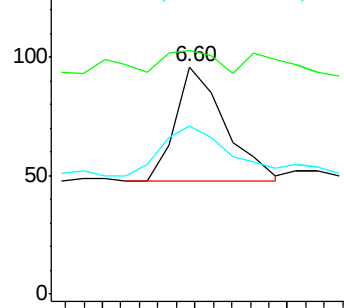
71 59.1 28.4 42.6#

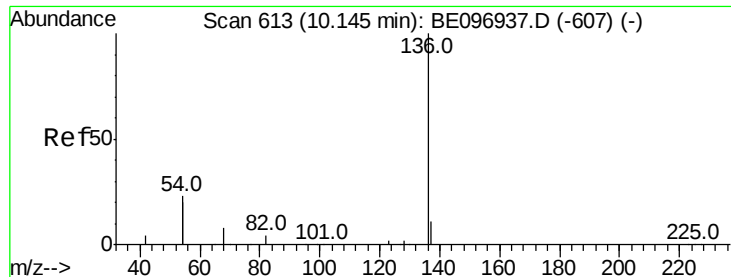


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE097026.D

Acq: 20 Jul 2018 12:10

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5624

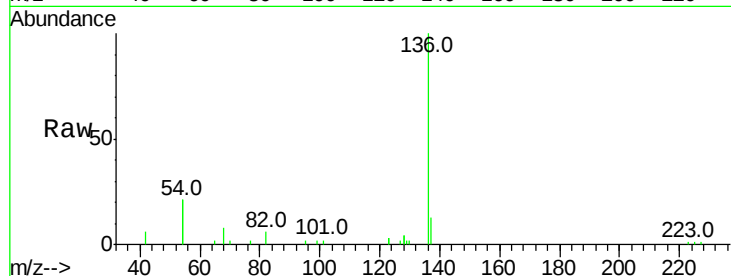
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 42.1 29.1 43.7

68 8.3 6.2 9.2

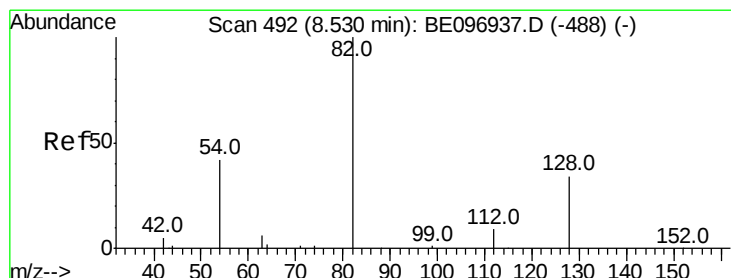
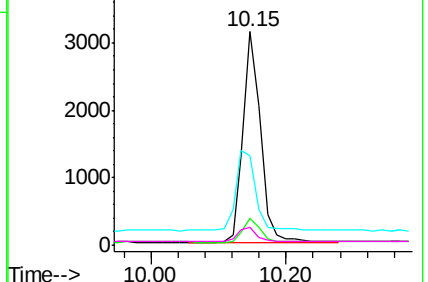
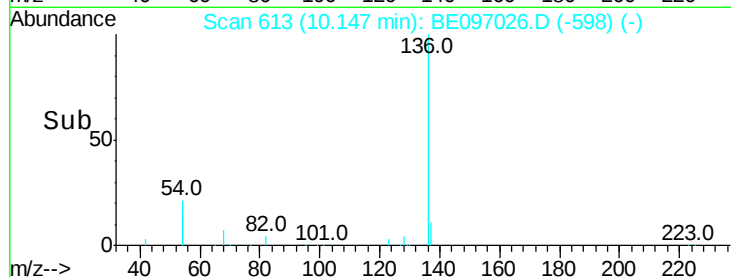


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.101 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097026.D

Acq: 20 Jul 2018 12:10

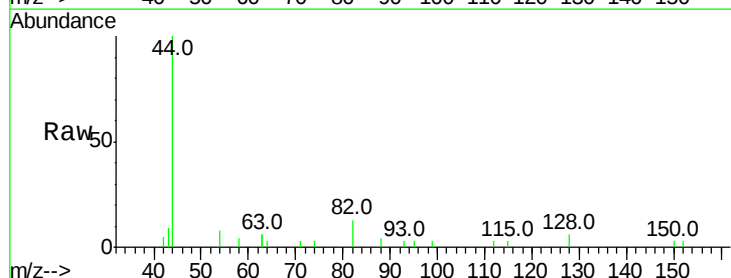
Tgt Ion: 82 Resp: 415

Ion Ratio Lower Upper

82 100

128 48.9 24.0 36.0#

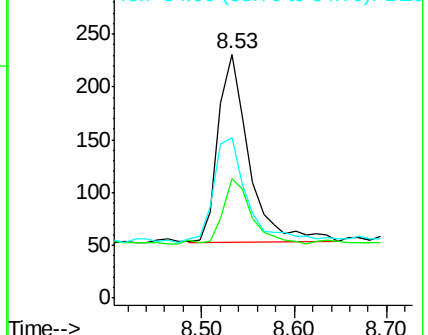
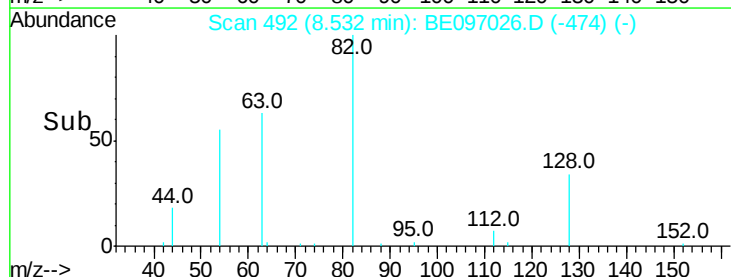
54 65.8 40.0 60.0#

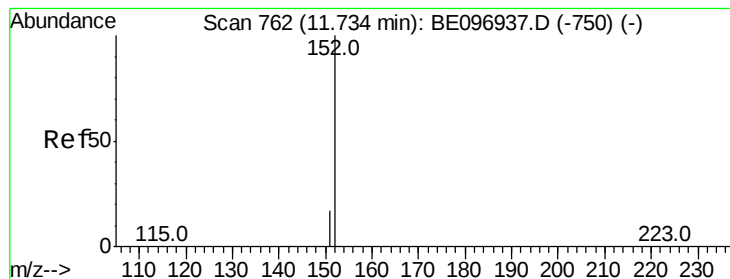


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.097 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE097026.D

Acq: 20 Jul 2018 12:10

Instrument :

BNA_E

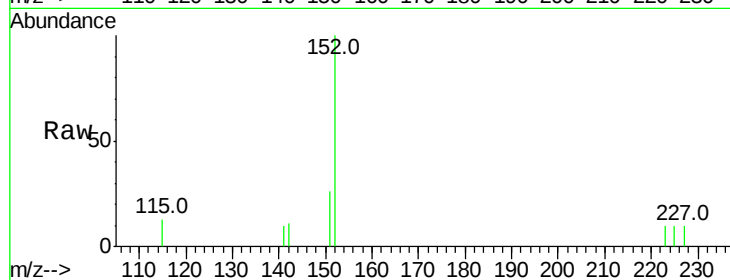
ClientSampled :

Tot Ion:152 Resp: 791

Ion Ratio Lower Upper

152 100

151 18.5 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

400

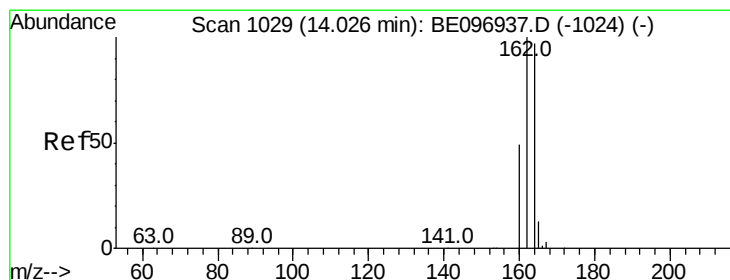
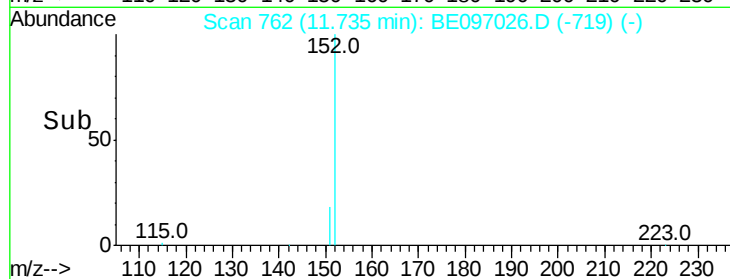
300

200

100

0

Time--> 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE097026.D

Acq: 20 Jul 2018 12:10

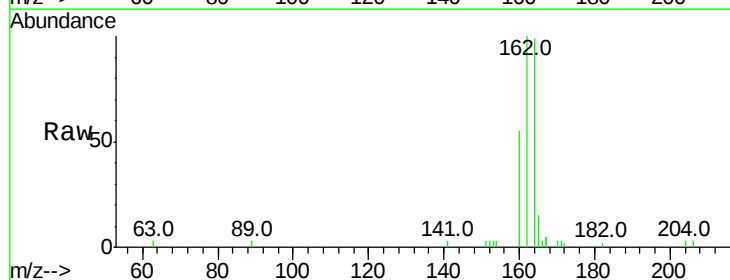
Tgt Ion:164 Resp: 3317

Ion Ratio Lower Upper

164 100

162 101.5 83.1 124.7

160 55.6 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

14.03

2500

2000

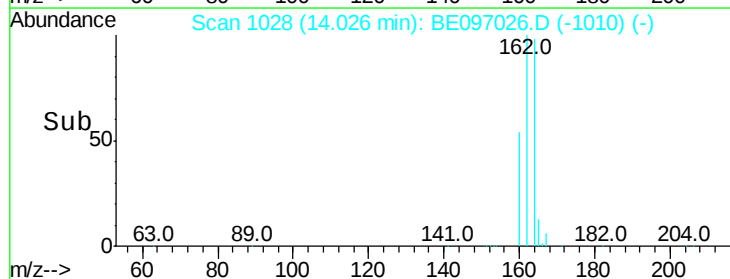
1500

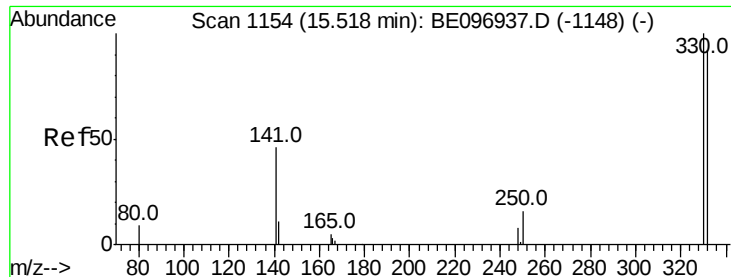
1000

500

0

Time--> 13.90 14.00 14.10 14.20

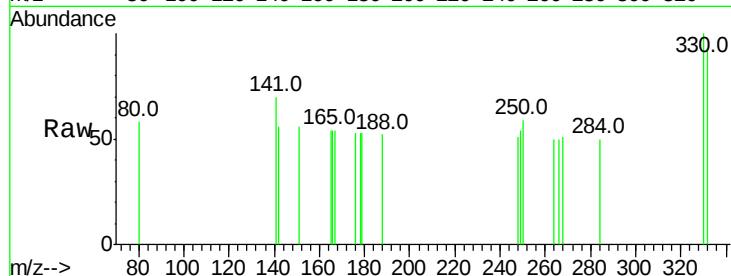




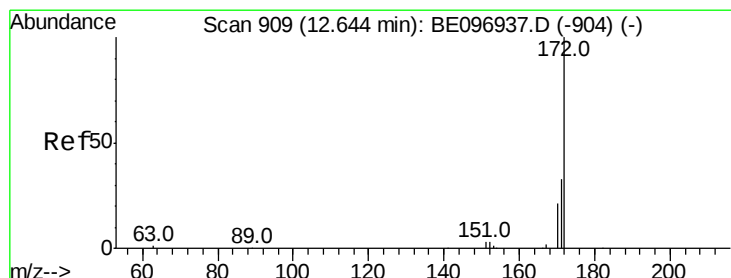
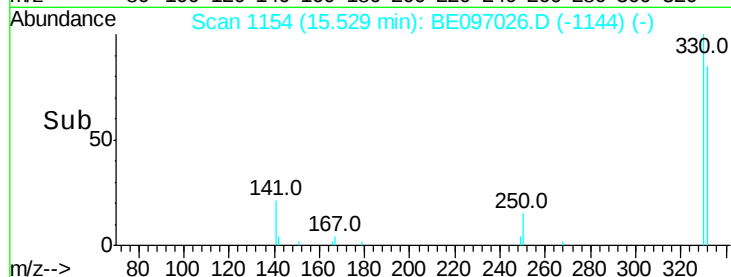
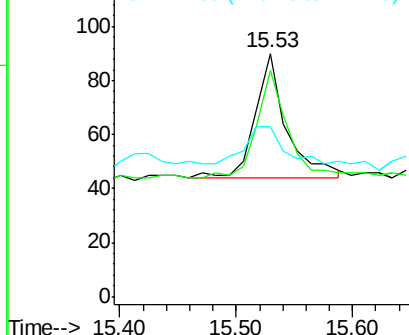
#14
 2,4,6-Tribromophenol
 Concen: 0.159 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE097026.D
 Acq: 20 Jul 2018 12:10

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 87
 Ion Ratio Lower Upper
 330 100
 332 85.1 152.7 229.1#
 141 36.8 33.7 50.5

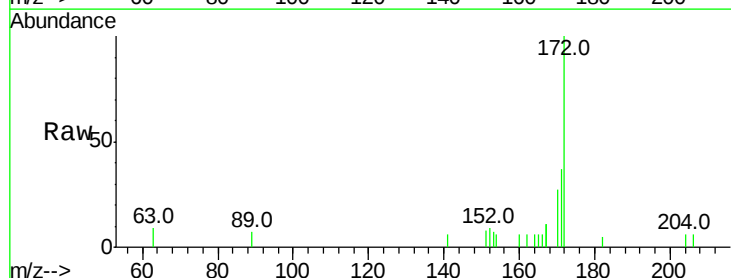


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

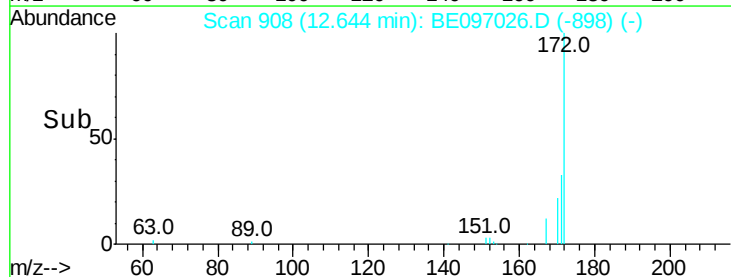
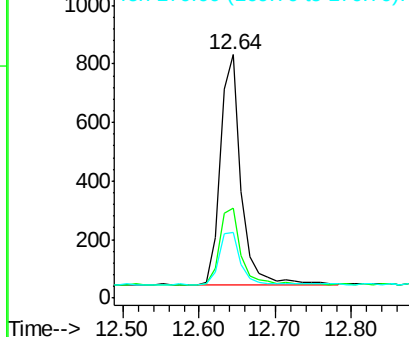


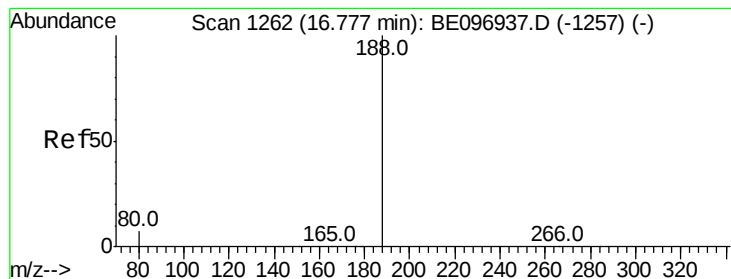
#15
 2-Fluorobiphenyl
 Concen: 0.121 ng
 RT: 12.64 min Scan# 908
 Delta R.T. 0.01 min
 Lab File: BE097026.D
 Acq: 20 Jul 2018 12:10

Tgt Ion:172 Resp: 1490
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.9 44.9
 170 26.8 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

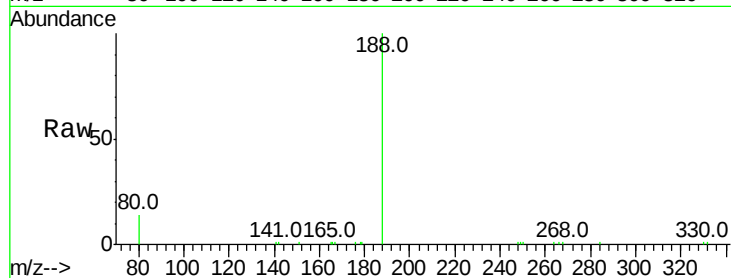




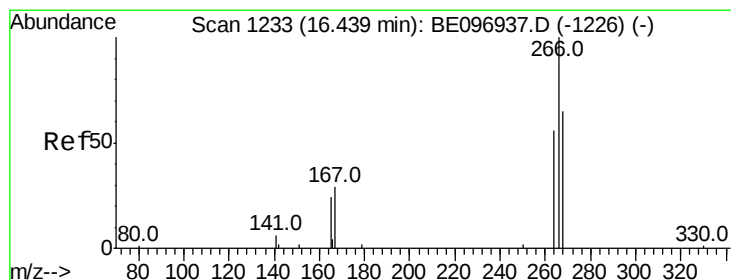
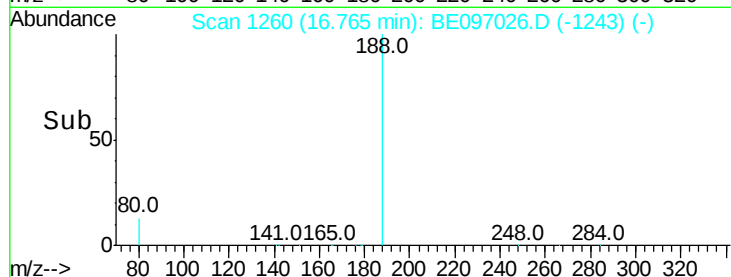
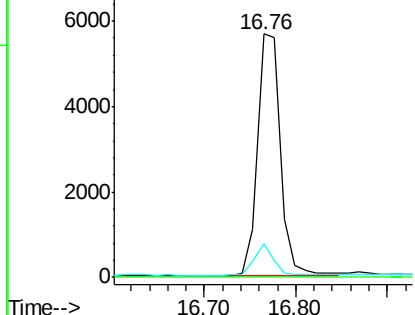
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE097026.D
Acq: 20 Jul 2018 12:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 9905
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 14.1 3.6 5.4#

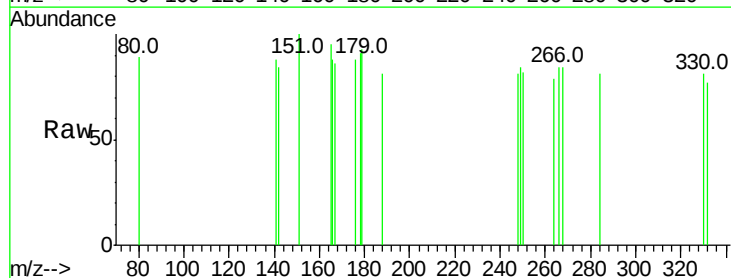


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

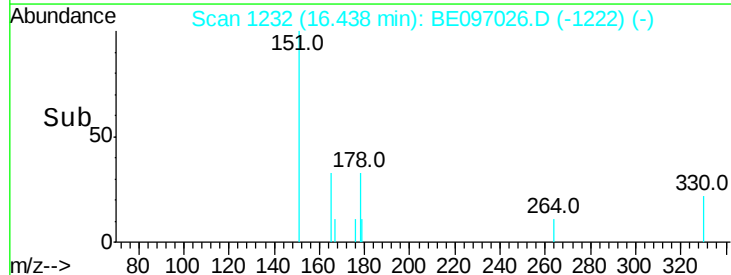
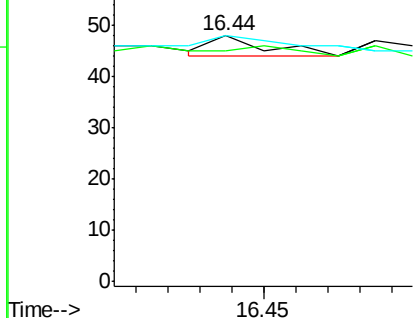


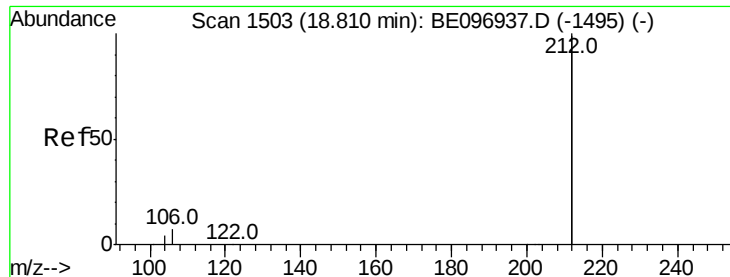
#22
Pentachlorophenol
Concen: Below Cal
RT: 16.44 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BE097026.D
Acq: 20 Jul 2018 12:10

Tgt Ion:266 Resp: 5
Ion Ratio Lower Upper
266 100
264 93.8 72.5 108.7
268 100.0 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

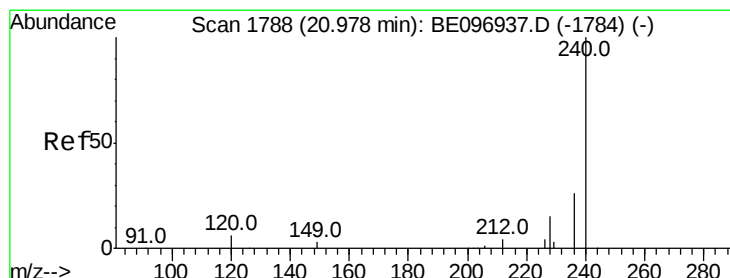
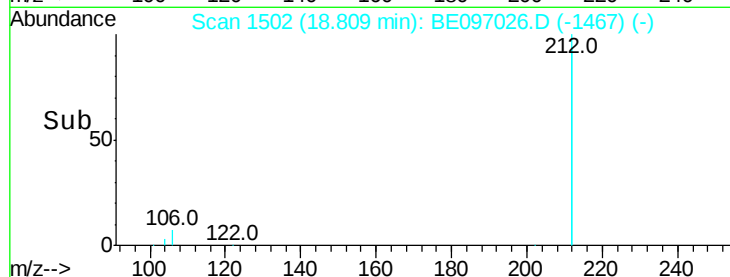
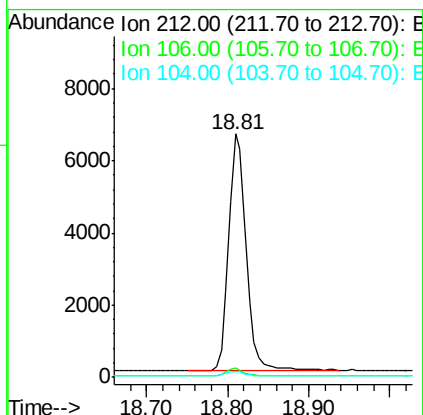
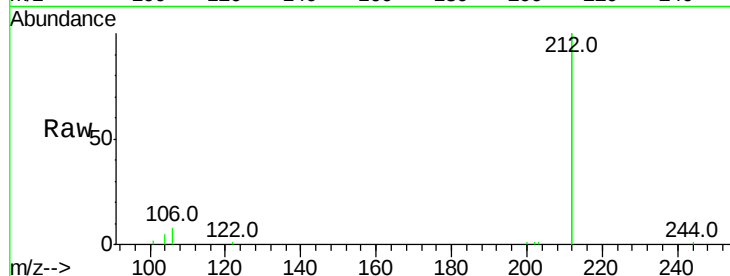




#25
 Fluoranthene-d10
 Concen: 0.113 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: BE097026.D
 Acq: 20 Jul 2018 12:10

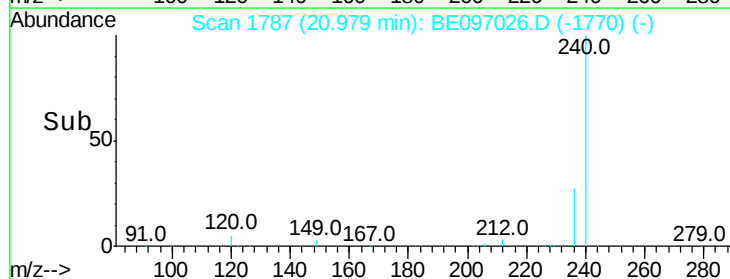
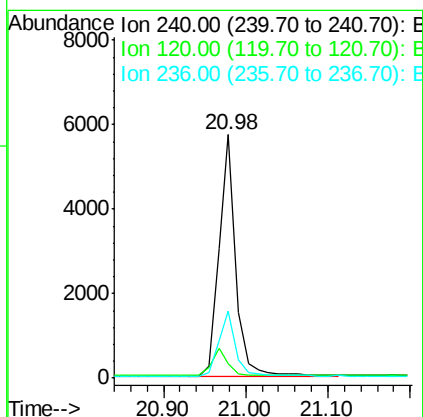
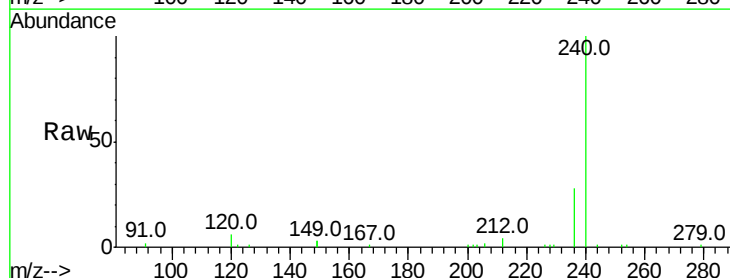
Instrument :
 BNA_E
 ClientSampleId :

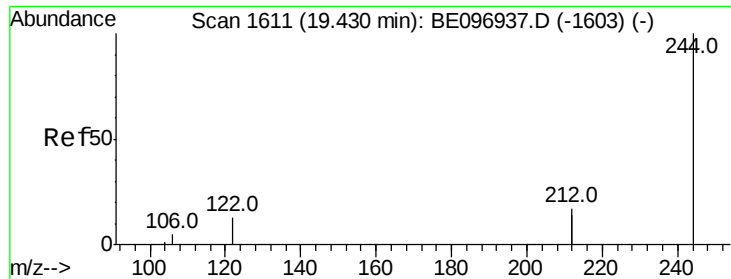
Tot Ion:212 Resp: 9775
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.8 4.2
 104 1.8 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097026.D
 Acq: 20 Jul 2018 12:10

Tgt Ion:240 Resp: 8190
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.5 8.3
 236 27.6 20.7 31.1

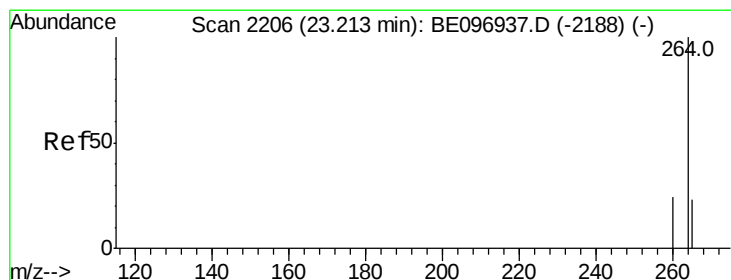
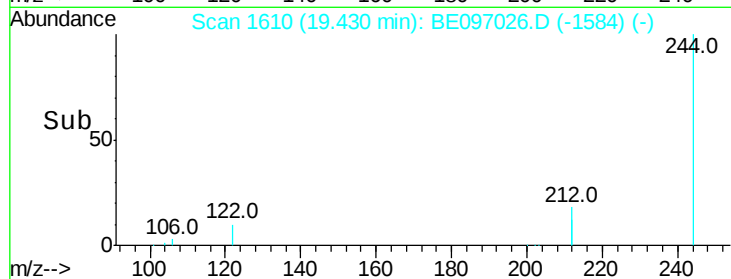
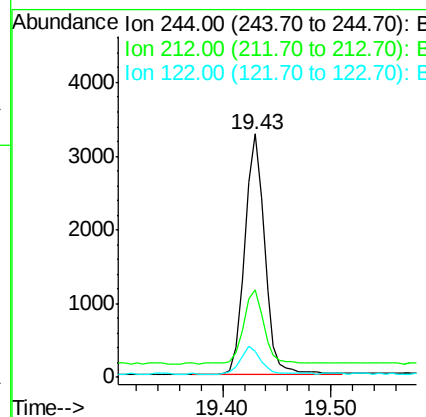
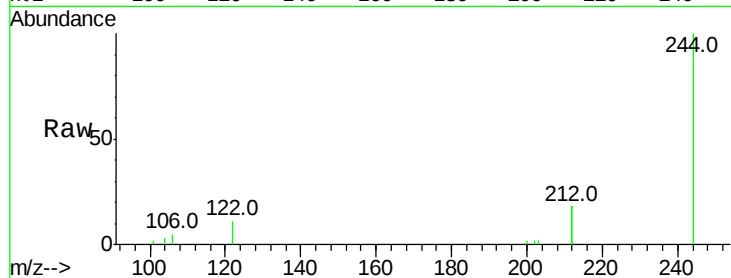




#29
 Terphenyl-d14
 Concen: 0.260 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BE097026.D
 Acq: 20 Jul 2018 12:10

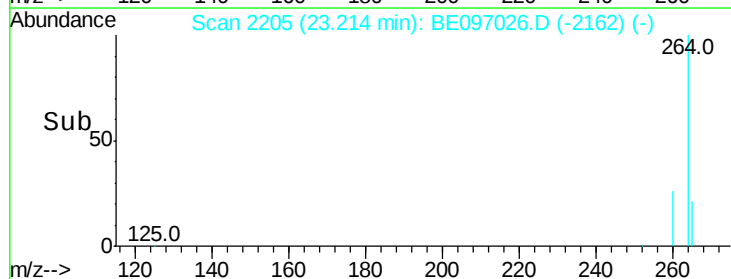
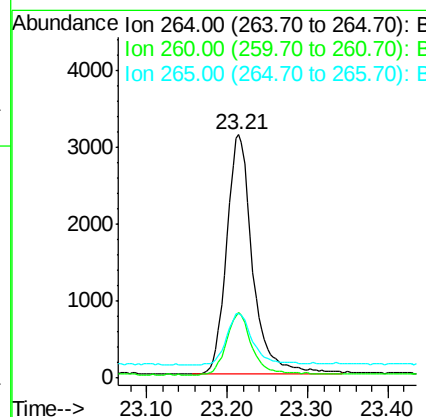
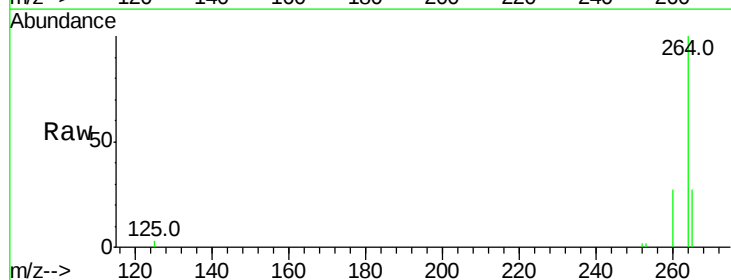
Instrument :
 BNA_E
 ClientSampleId :

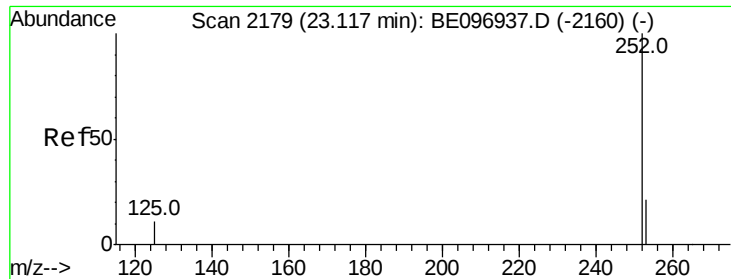
Tot Ion:244 Resp: 4102
 Ion Ratio Lower Upper
 244 100
 212 35.8 25.4 38.0
 122 10.9 8.1 12.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE097026.D
 Acq: 20 Jul 2018 12:10

Tgt Ion:264 Resp: 7046
 Ion Ratio Lower Upper
 264 100
 260 26.8 20.5 30.7
 265 26.7 22.8 34.2





#37

Benzo(a)pyrene

Concen: 0.101 ng

RT: 23.11 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE097026.D

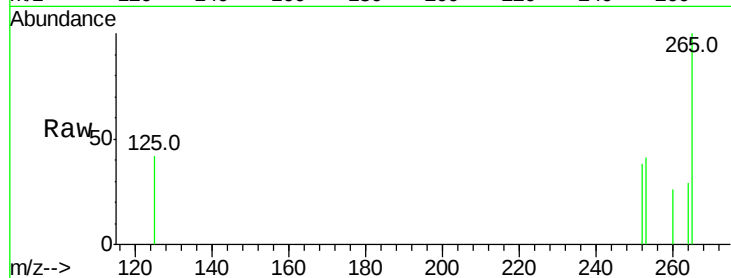
Acq: 20 Jul 2018 12:10

Instrument :

BNA_E

ClientSampleId :

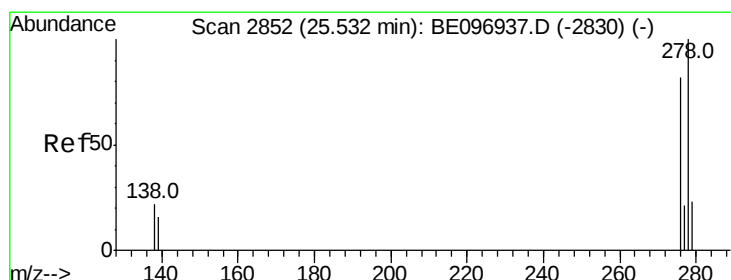
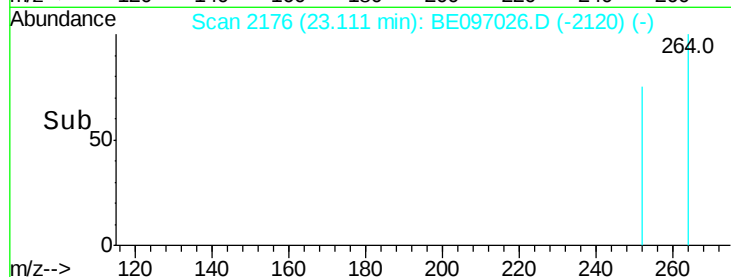
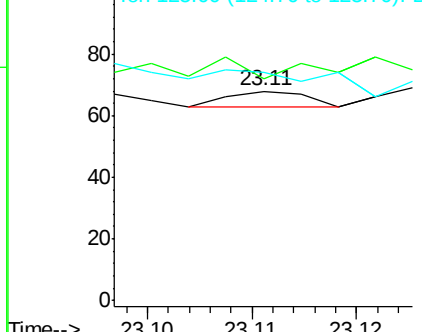
Tot	Ion:252	Resp:	3
Ion	Ratio	Lower	Upper
252	100		
253	105.9	16.0	24.0#
125	108.8	12.0	18.0#



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

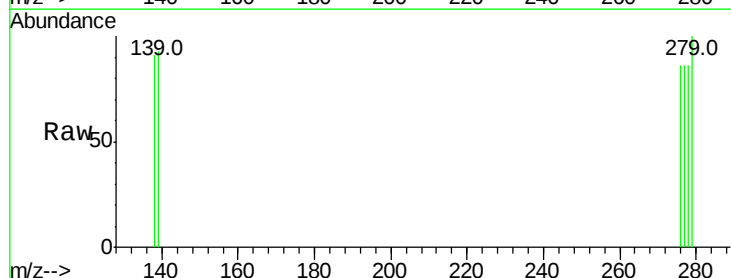
RT: 25.53 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BE097026.D

Acq: 20 Jul 2018 12:10

Tgt	Ion:278	Resp:	2
Ion	Ratio	Lower	Upper
278	100		
139	108.3	16.0	24.0#
279	116.7	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

