

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096912.D
 Acq On : 13 Jul 2018 18:28
 Operator : SJ/JU
 Sample : J3170-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 23:06:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 17:02:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2125	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	10592	0.40	ng	0.01
13) Acenaphthene-d10	14.03	164	6155	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	16860	0.40	ng	0.01
27) Chrysene-d12	20.98	240	15119	0.40	ng	0.00
34) Perylene-d12	23.21	264	15549	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1218	0.26	ng	0.00
5) Phenol-d6	6.60	99	1007	0.14	ng	0.00
8) Nitrobenzene-d5	8.53	82	3840	0.60	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7404	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	932	0.60	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	13911	0.62	ng	0.00
25) Fluoranthene-d10	18.81	212	82399	0.56	ng	0.00
29) Terphenyl-d14	19.43	244	21206	0.73	ng	0.00

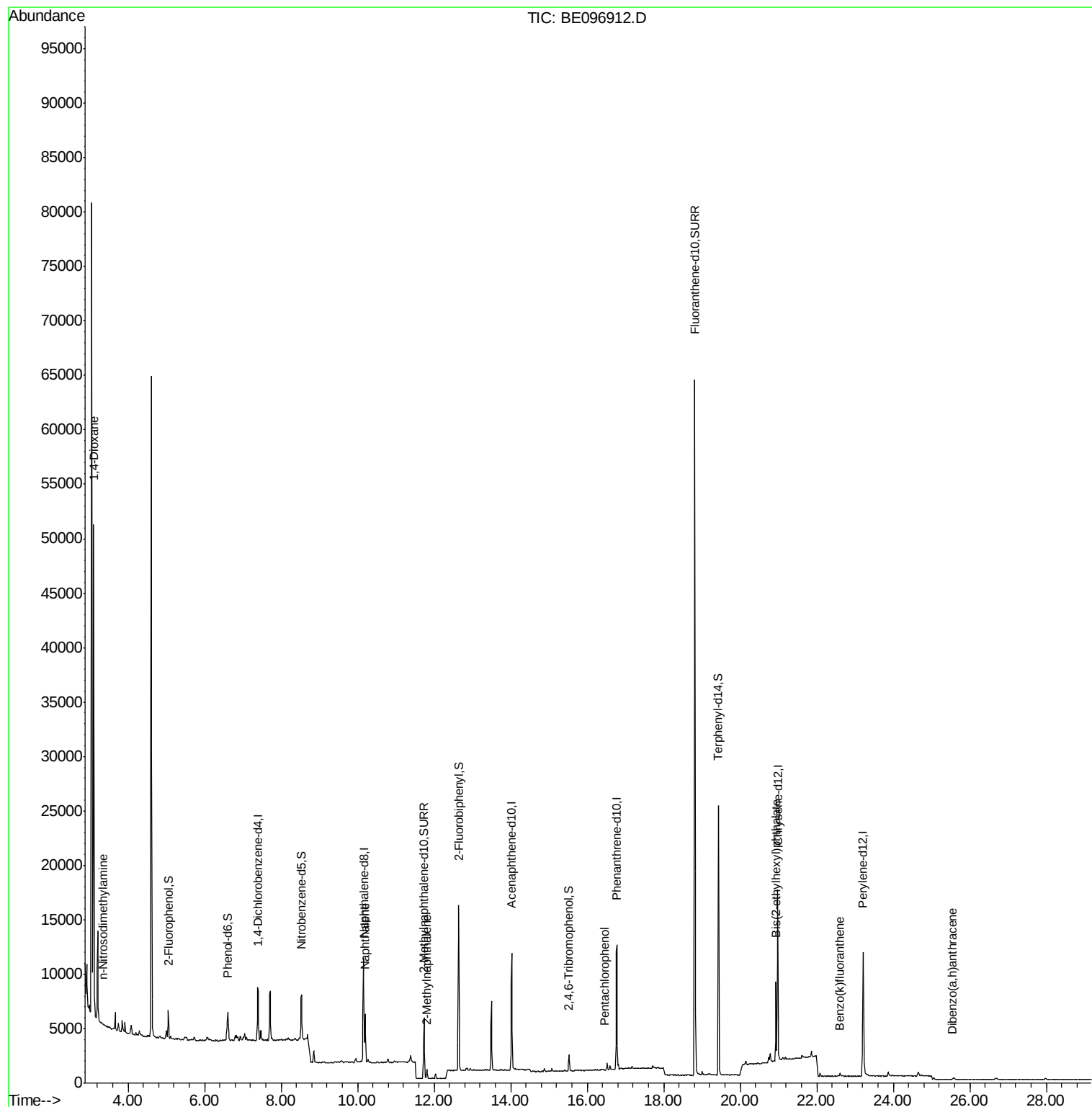
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	23138	7.266	ng	# 89
3) n-Nitrosodimethylamine	3.35	42	95	0.028	ng	# 1
9) Naphthalene	10.20	128	6640	0.069	ng	# 98
12) 2-Methylnaphthalene	11.81	142	612	0.038	ng	94
22) Pentachlorophenol	16.45	266	13	0.045	ng	97
32) Bis(2-ethylhexyl)phthalate	20.93	149	7601	0.253	ng	# 99
36) Benzo(k)fluoranthene	22.59	252	13	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	4	0.109	ng	# 1

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

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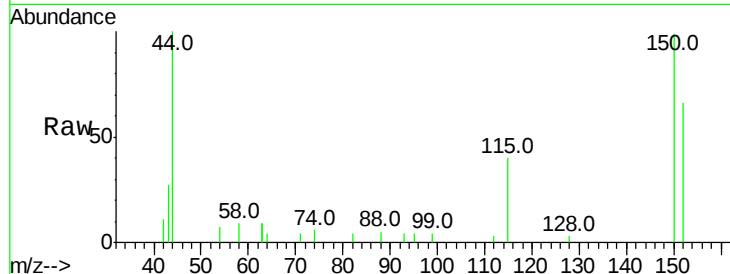


#1

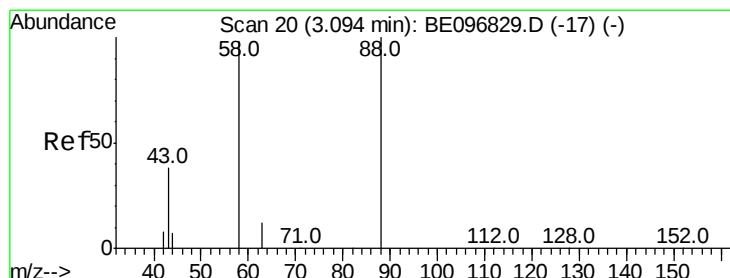
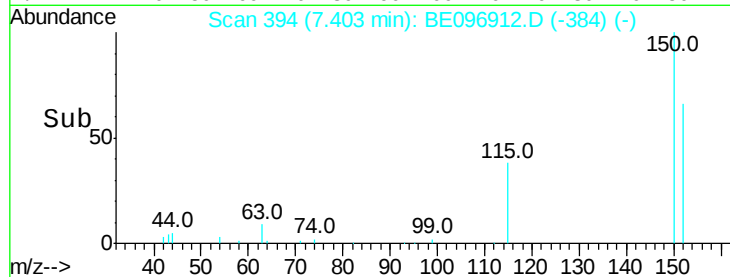
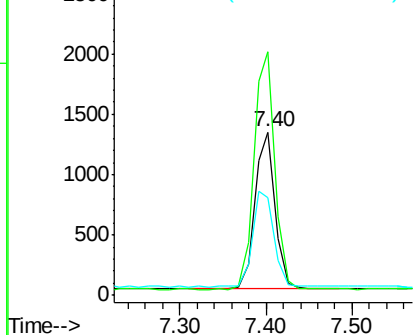
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096912.D
Acq: 13 Jul 2018 18:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2125
Ion Ratio Lower Upper
152 100
150 148.9 117.2 175.8
115 59.8 57.0 85.6



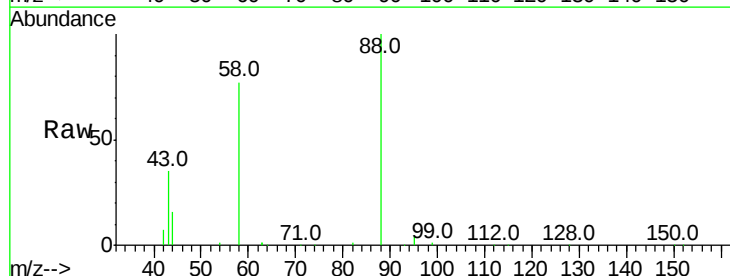
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



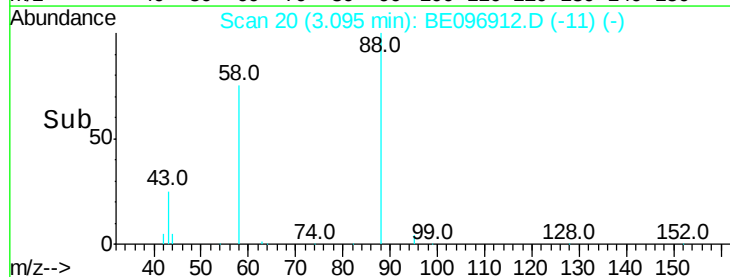
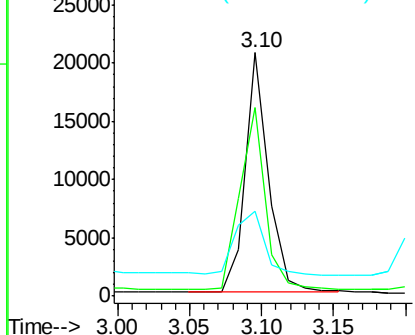
#2

1,4-Dioxane
Concen: 7.266 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096912.D
Acq: 13 Jul 2018 18:28

Tgt Ion: 88 Resp: 23138
Ion Ratio Lower Upper
88 100
58 81.0 63.2 94.8
43 34.9 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



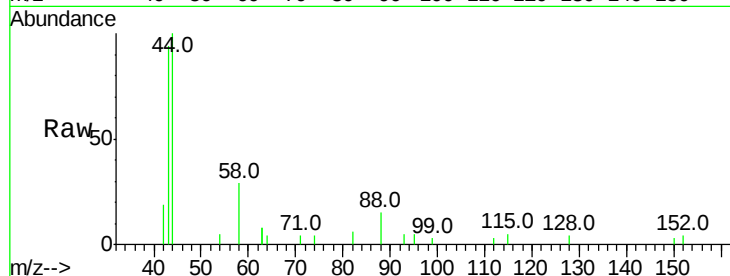


#3

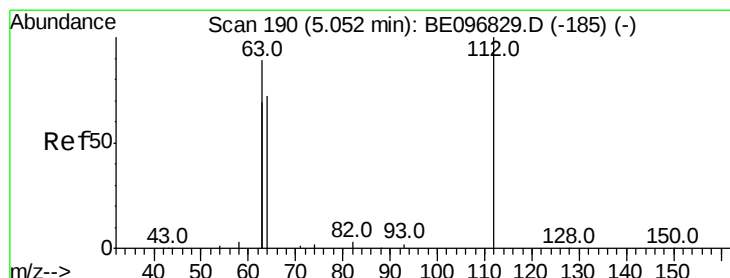
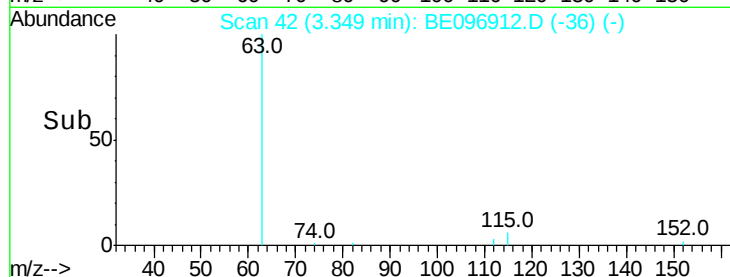
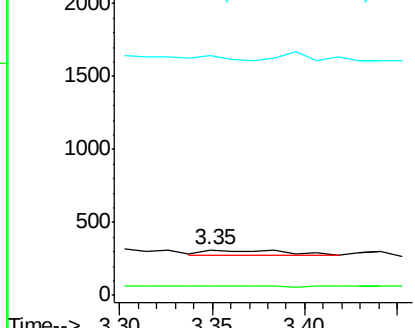
n-Nitrosodimethylamine
 Concen: 0.028 ng
 RT: 3.35 min Scan# 42
 Delta R.T. -0.04 min
 Lab File: BE096912.D
 Acq: 13 Jul 2018 18:28

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 95
 Ion Ratio Lower Upper
 42 100
 74 0.0 96.0 144.0#
 44 0.0 12.0 18.0#



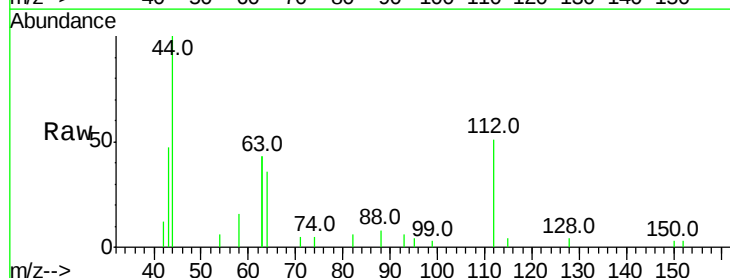
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



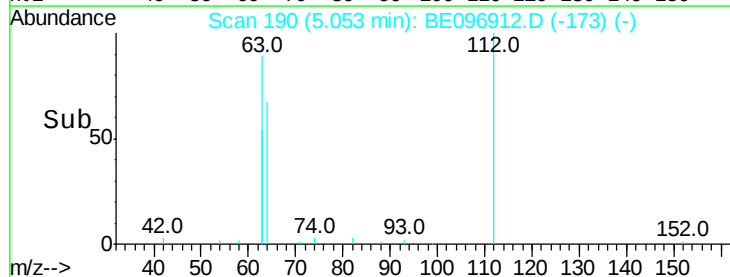
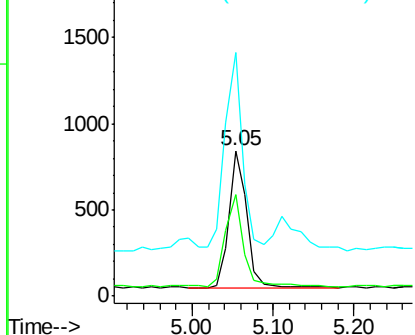
#4

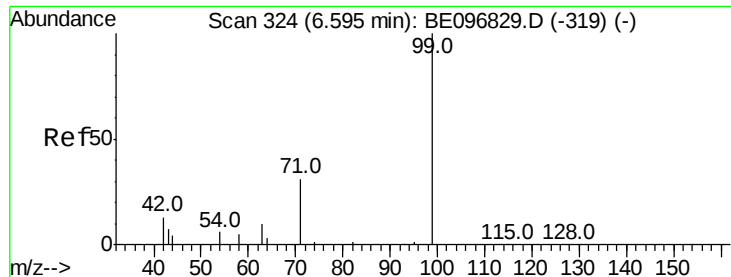
2-Fluorophenol
 Concen: 0.256 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE096912.D
 Acq: 13 Jul 2018 18:28

Tgt Ion: 112 Resp: 1218
 Ion Ratio Lower Upper
 112 100
 64 67.2 60.1 90.1
 63 140.4 116.8 175.2



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: 0.142 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

Instrument :

BNA_E

ClientSampleId :

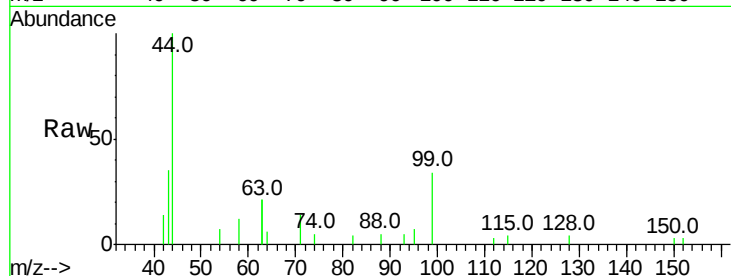
Tot Ion: 99 Resp: 1007

Ion Ratio Lower Upper

99 100

42 32.6 20.2 30.2#

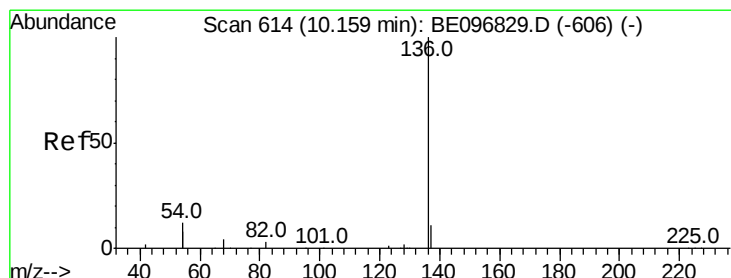
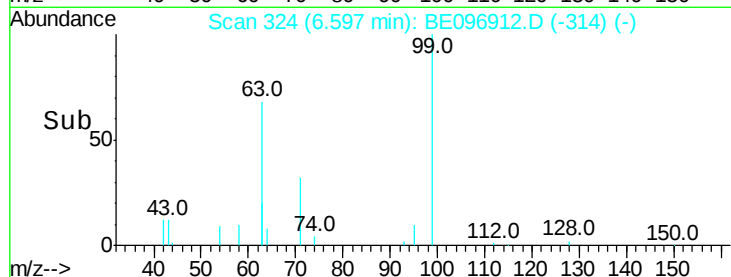
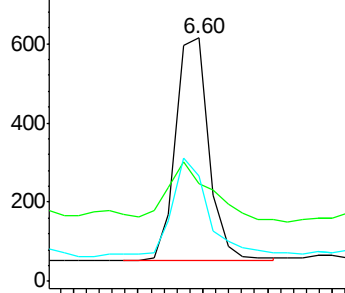
71 48.6 28.4 42.6#



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: 10.16 min Scan# 614

Delta R.T. 0.01 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

Tgt Ion:136 Resp: 10592

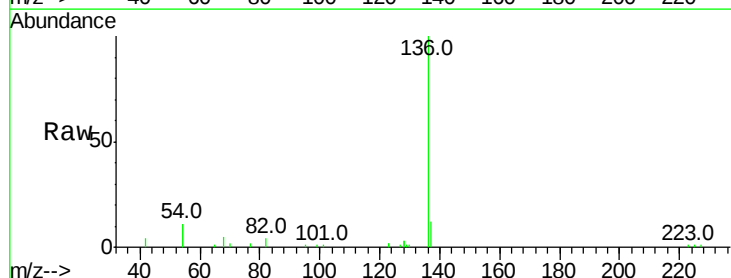
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 22.6 29.1 43.7#

68 4.8 6.2 9.2#

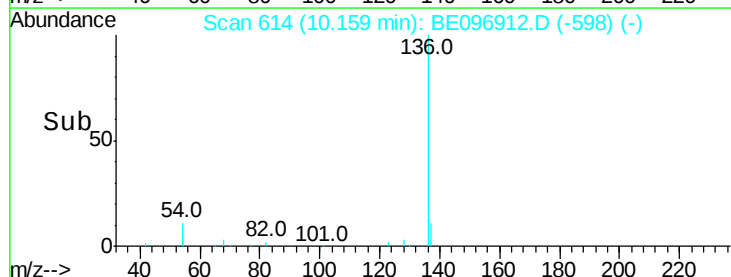
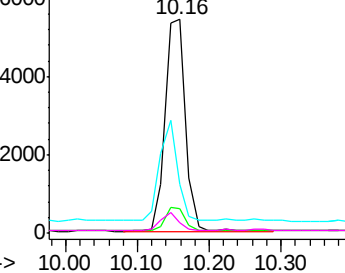


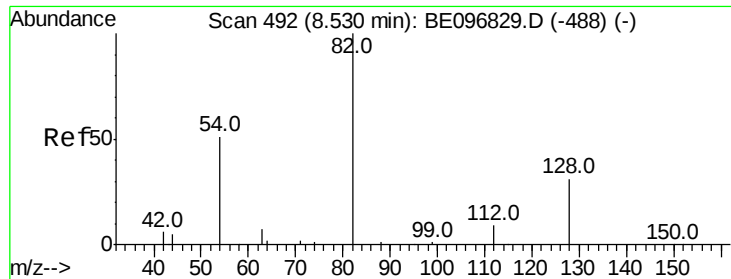
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.599 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

Instrument :

BNA_E

ClientSampleId :

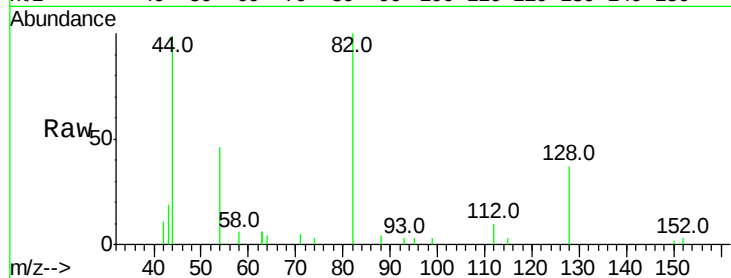
Tot Ion: 82 Resp: 3840

Ion Ratio Lower Upper

82 100

128 36.5 24.0 36.0#

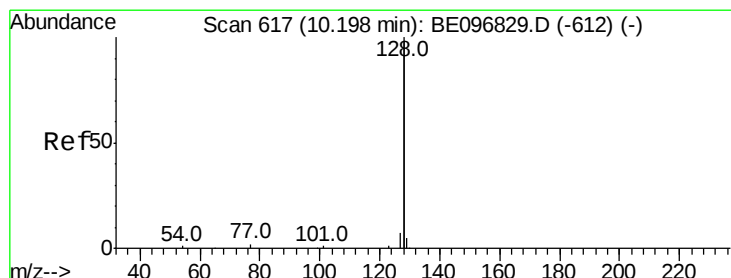
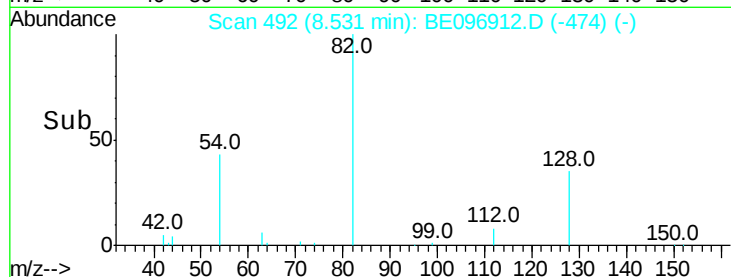
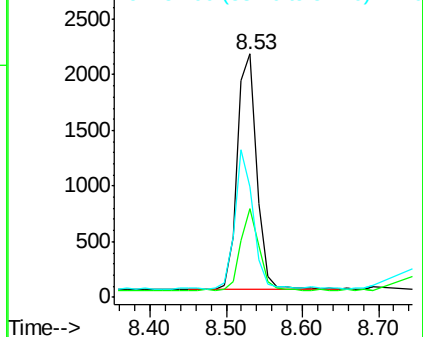
54 45.6 40.0 60.0



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



#9

Naphthalene

Concen: 0.069 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

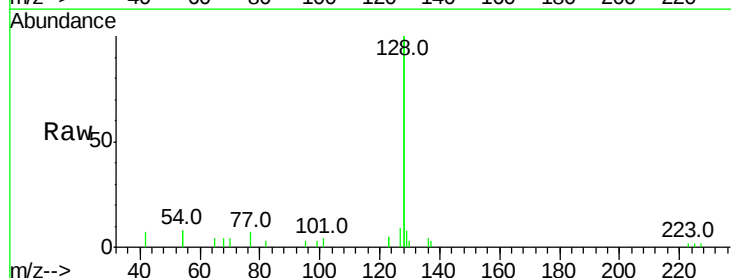
Tgt Ion:128 Resp: 6640

Ion Ratio Lower Upper

128 100

129 3.9 2.6 3.8#

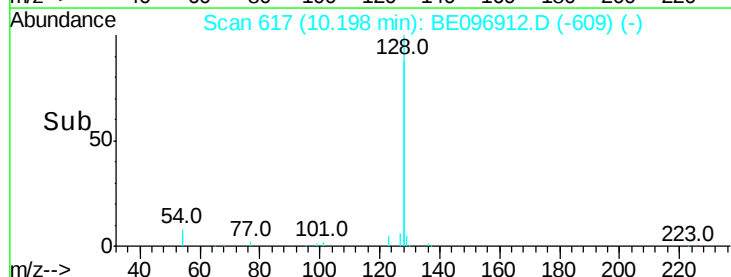
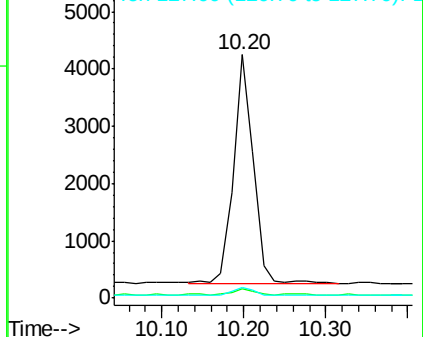
127 4.4 2.8 4.2#

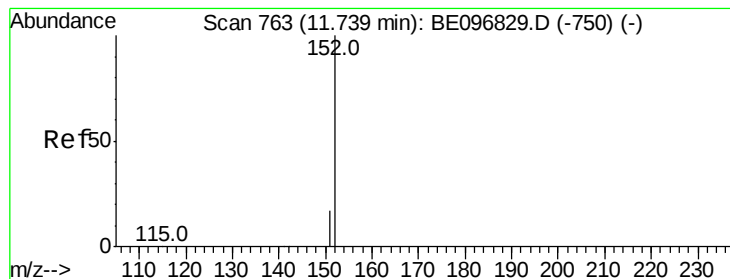


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.486 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

Instrument :

BNA_E

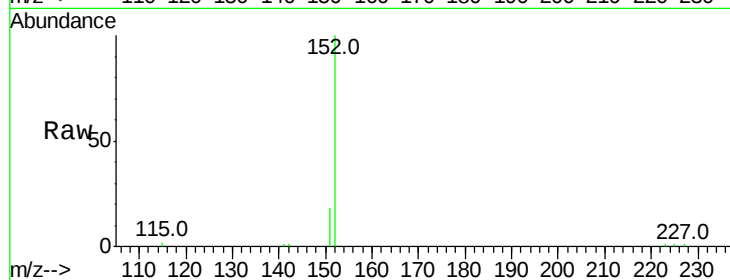
ClientSampled :

Tot Ion:152 Resp: 7404

Ion Ratio Lower Upper

152 100

151 19.9 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

5000

4000

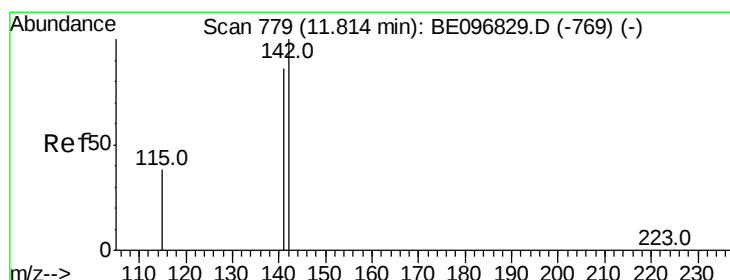
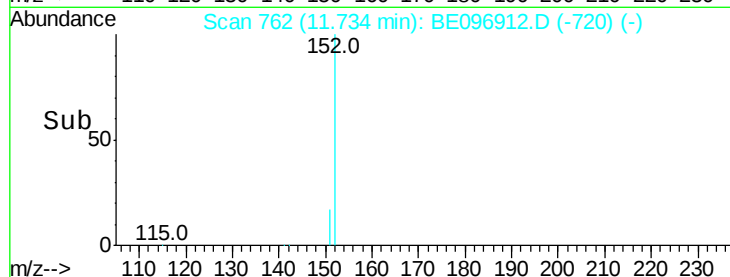
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.038 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

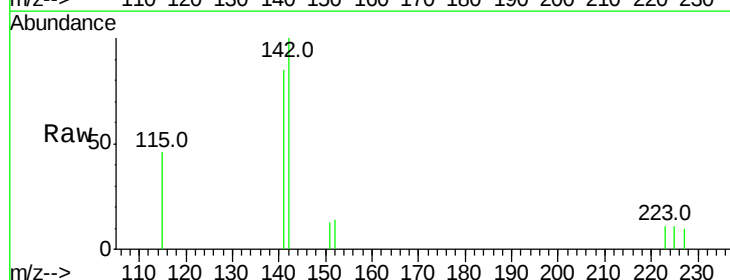
Tgt Ion:142 Resp: 612

Ion Ratio Lower Upper

142 100

141 85.0 70.4 105.6

115 46.3 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.81

600

500

400

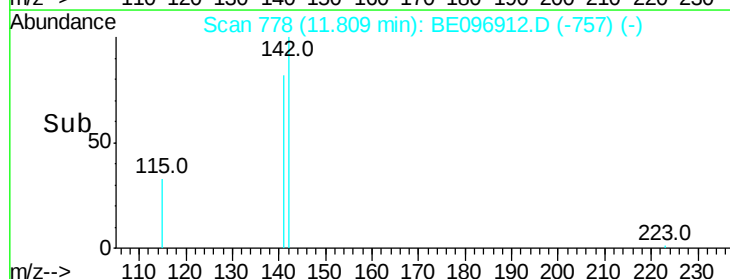
300

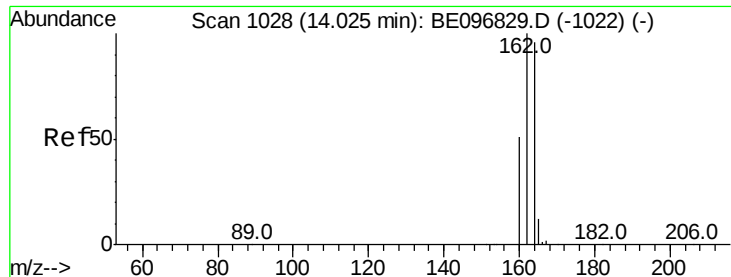
200

100

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

Instrument :

BNA_E

ClientSampled :

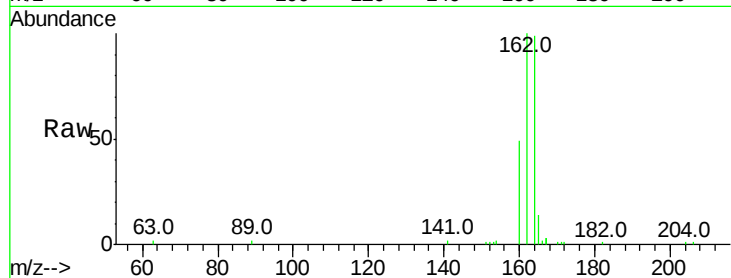
Tot Ion:164 Resp: 6155

Ion Ratio Lower Upper

164 100

162 100.6 83.1 124.7

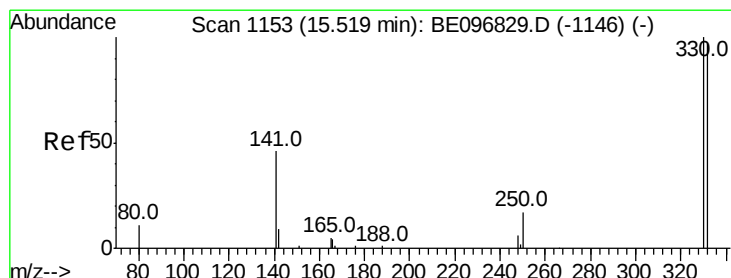
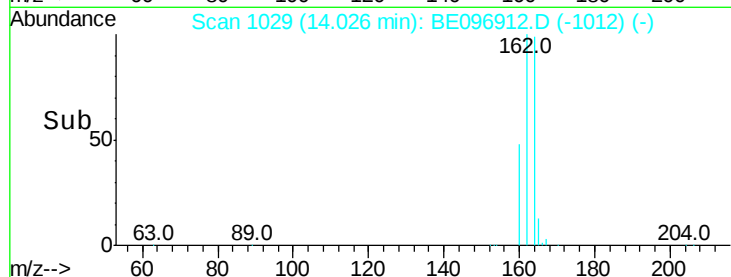
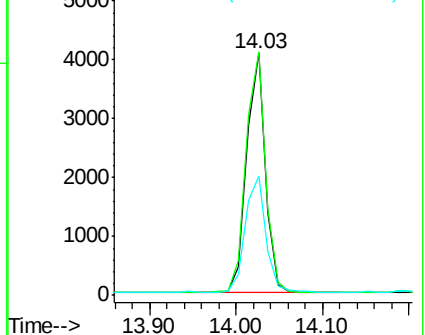
160 49.1 37.1 55.7



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

2,4,6-Tribromophenol

Concen: 0.596 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

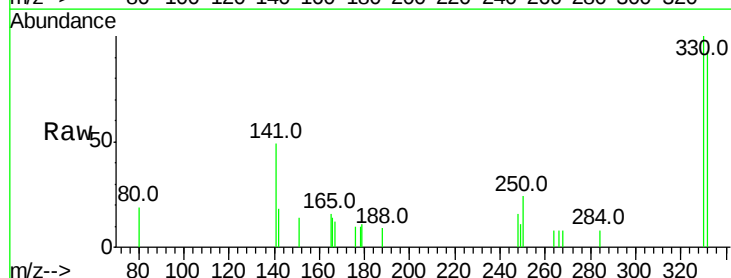
Tgt Ion:330 Resp: 932

Ion Ratio Lower Upper

330 100

332 96.1 152.7 229.1#

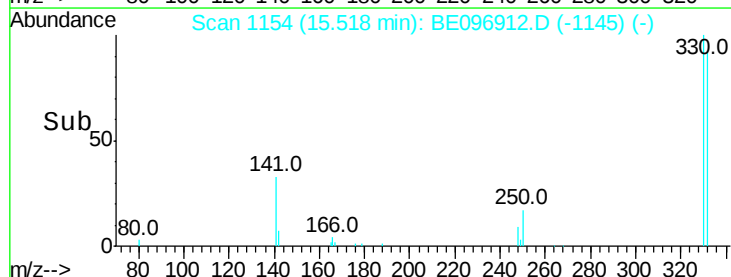
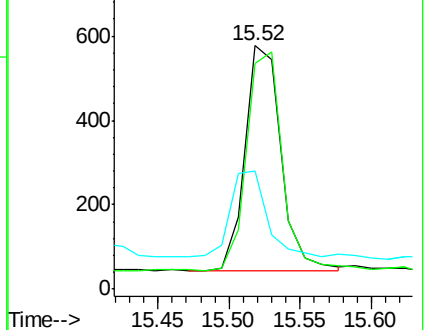
141 38.5 33.7 50.5

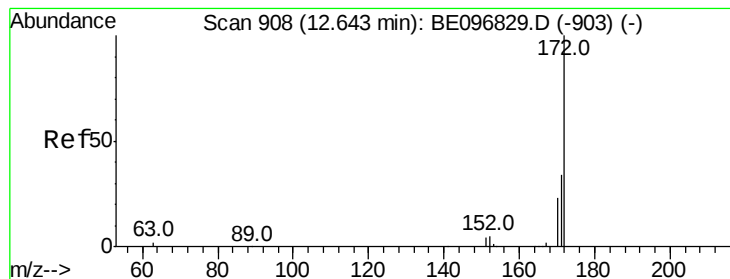


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.618 ng

RT: 12.64 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

Instrument :

BNA_E

ClientSampleId :

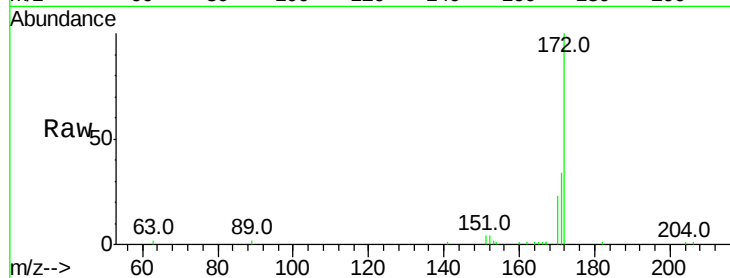
Tot Ion:172 Resp: 13911

Ion Ratio Lower Upper

172 100

171 33.7 29.9 44.9

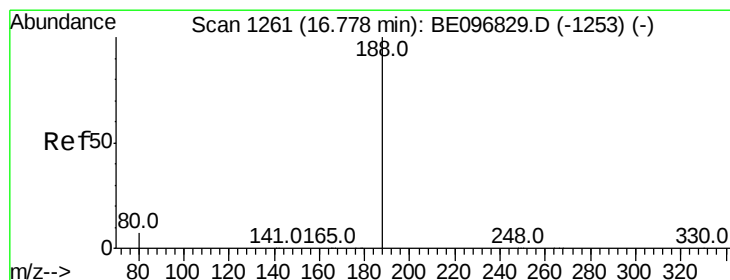
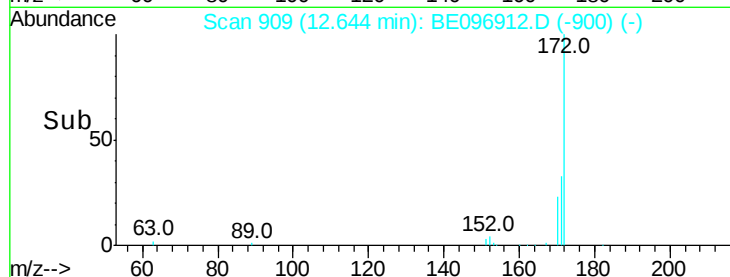
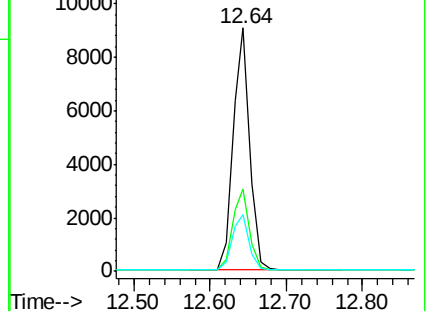
170 23.2 21.8 32.8



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: 16.78 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

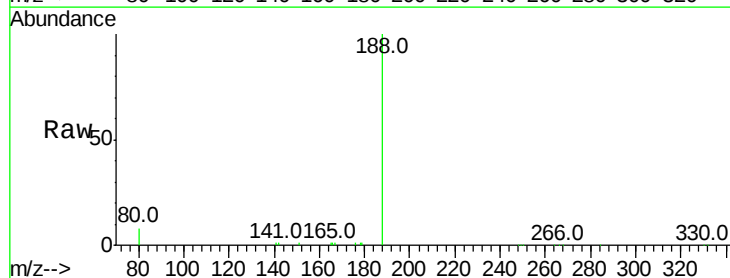
Tgt Ion:188 Resp: 16860

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

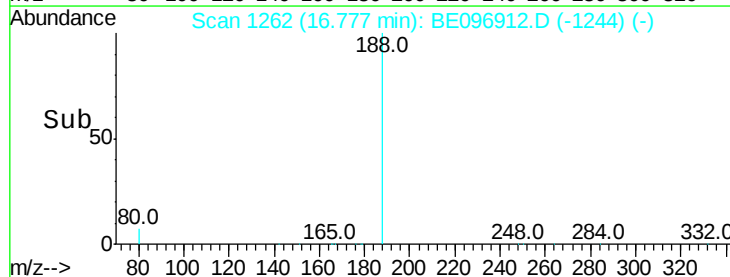
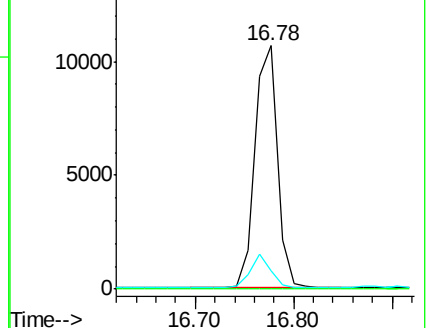
80 7.7 3.6 5.4#

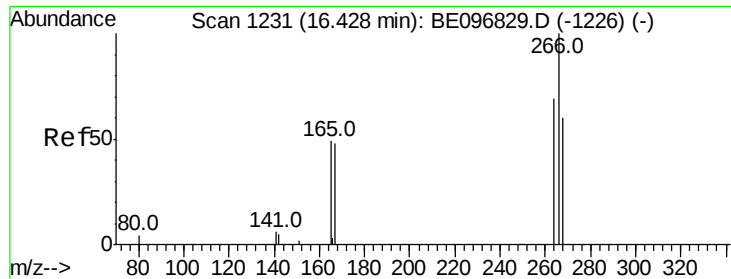


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

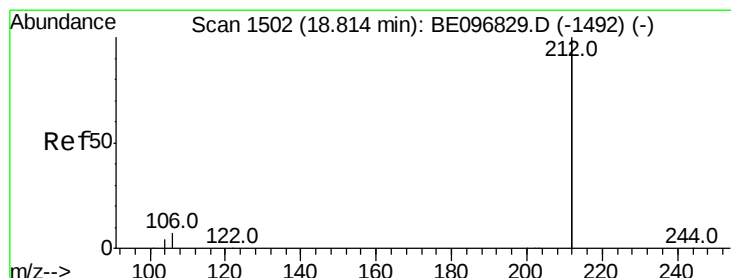
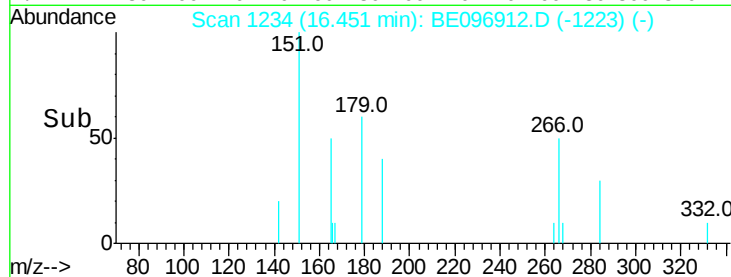
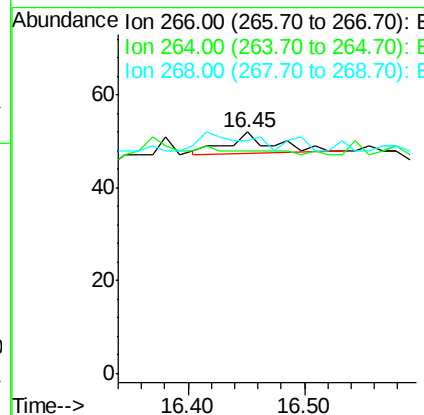
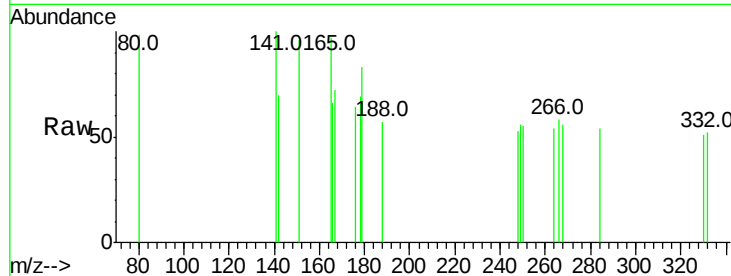




#22
 Pentachlorophenol
 Concen: 0.045 ng
 RT: 16.45 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: BE096912.D
 Acq: 13 Jul 2018 18:28

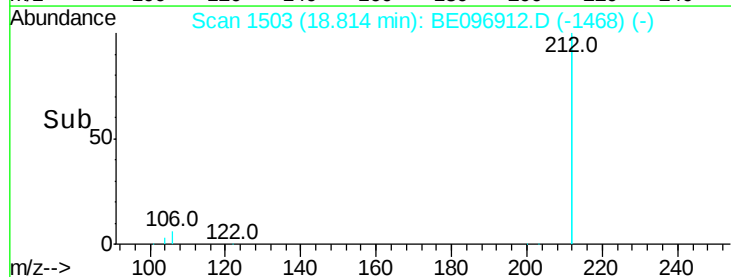
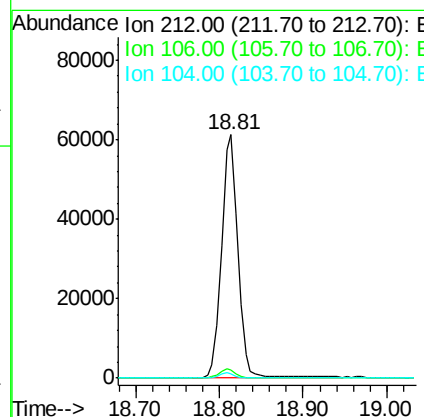
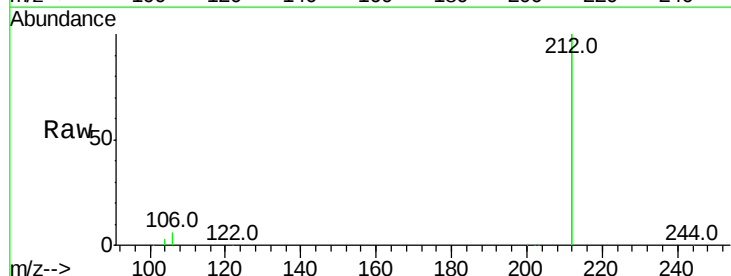
Instrument :
 BNA_E
 ClientSampled :

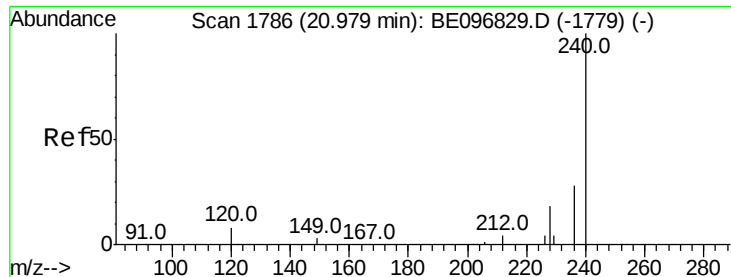
Tot Ion:266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 92.3 72.5 108.7
 268 96.2 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.555 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BE096912.D
 Acq: 13 Jul 2018 18:28

Tgt Ion:212 Resp: 82399
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 1.9 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: BE096912.D

Acq: 13 Jul 2018 18:28

Instrument :

BNA_E

ClientSampleId :

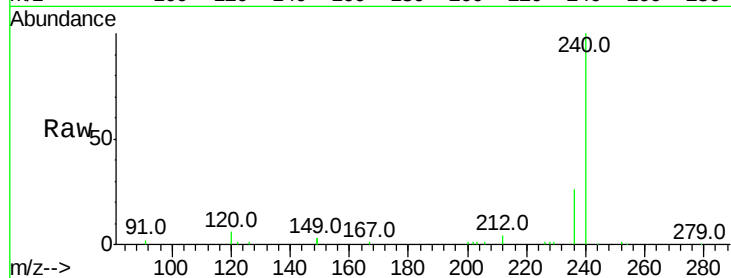
Tot Ion:240 Resp: 15119

Ion Ratio Lower Upper

240 100

120 6.0 5.5 8.3

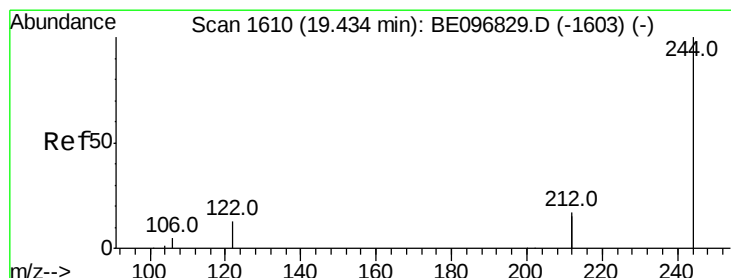
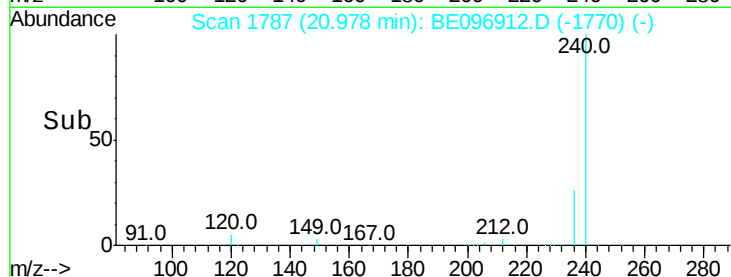
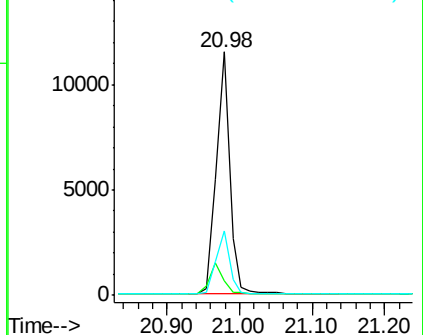
236 26.4 20.7 31.1



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: 0.727 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096912.D

Acq: 13 Jul 2018 18:28

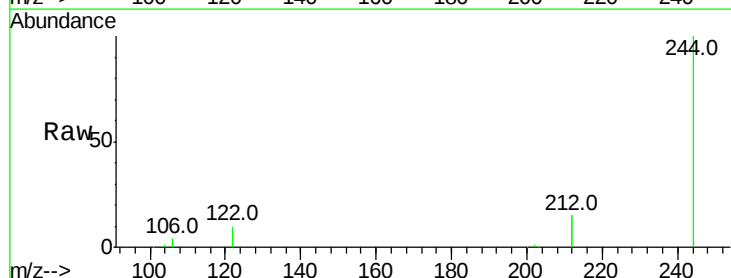
Tgt Ion:244 Resp: 21206

Ion Ratio Lower Upper

244 100

212 31.0 25.4 38.0

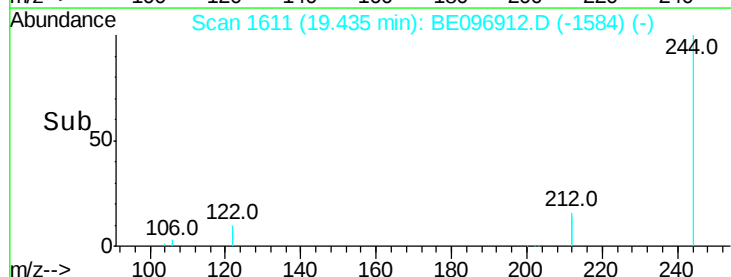
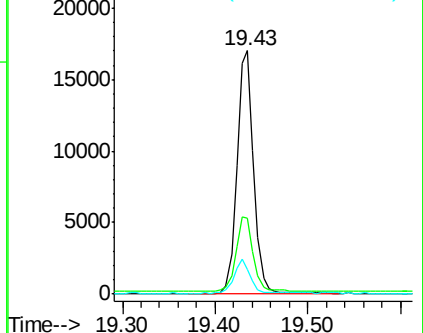
122 10.3 8.1 12.1

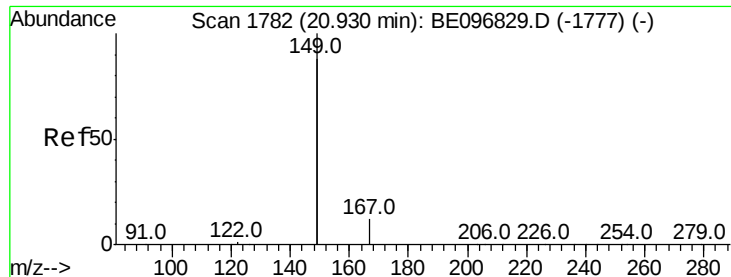


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

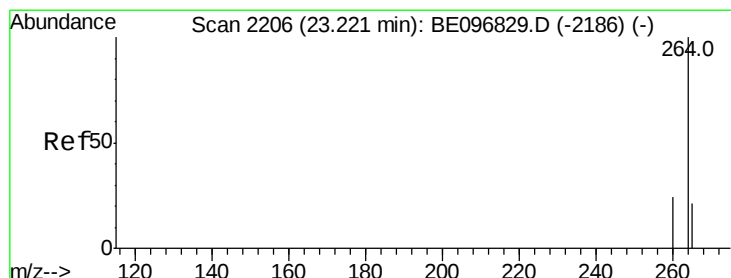
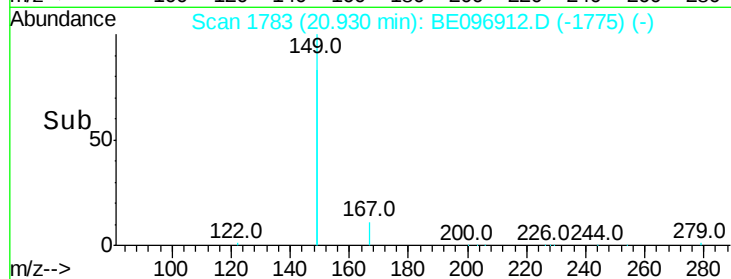
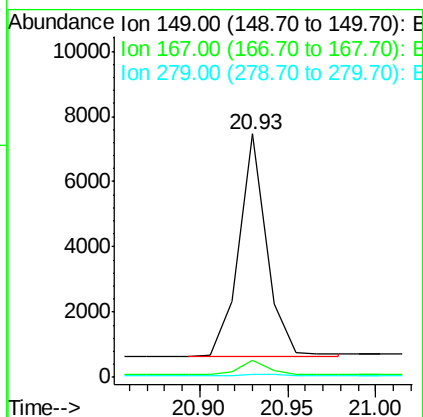
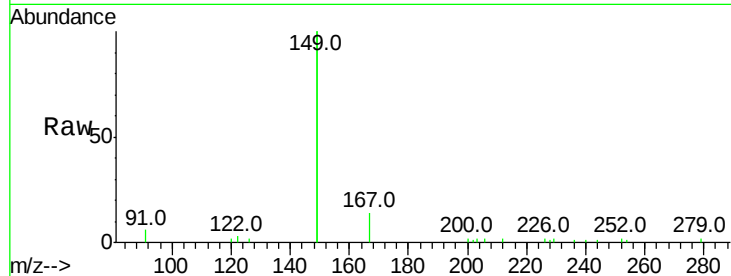




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.253 ng
 RT: 20.93 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BE096912.D
 Acq: 13 Jul 2018 18:28

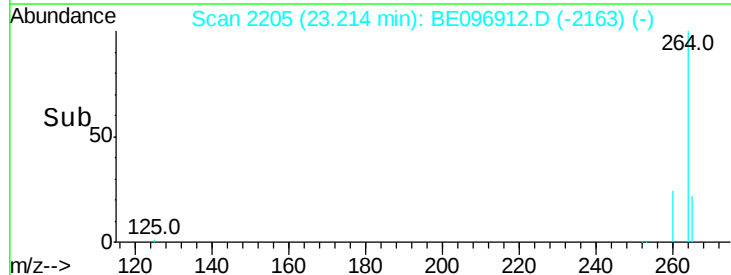
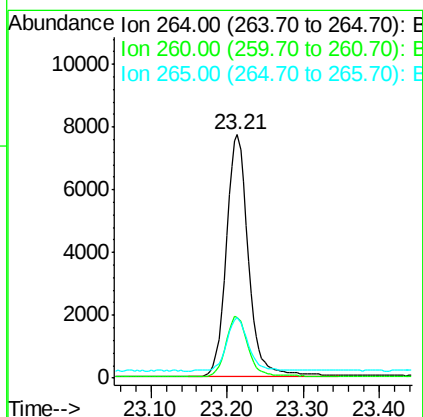
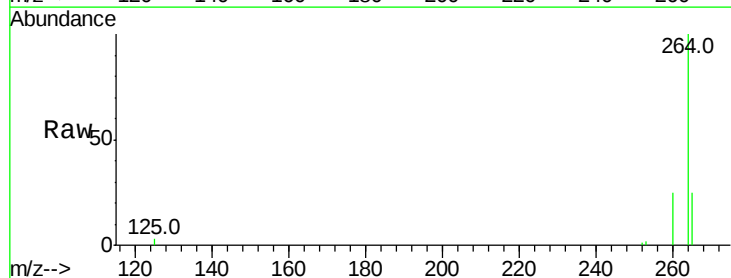
Instrument :
 BNA_E
 ClientSampleId :

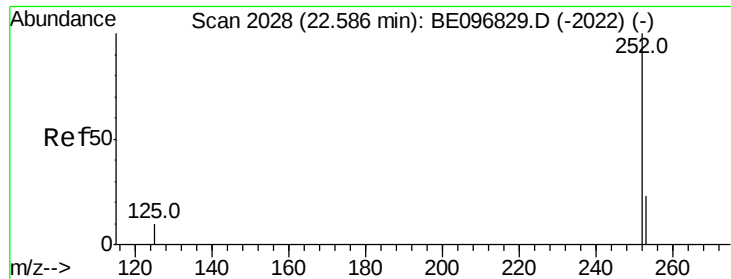
Tot Ion:149 Resp: 7601
 Ion Ratio Lower Upper
 149 100
 167 6.9 5.4 8.0
 279 1.1 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE096912.D
 Acq: 13 Jul 2018 18:28

Tgt Ion:264 Resp: 15549
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.5 30.7
 265 24.7 22.8 34.2

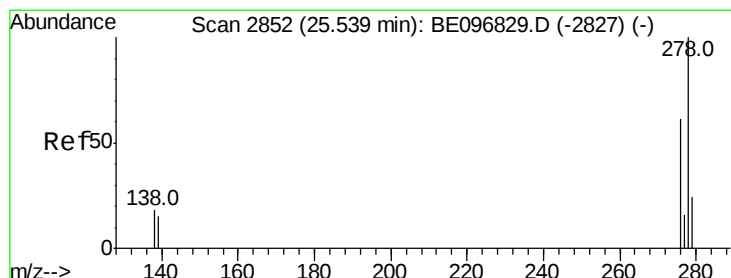
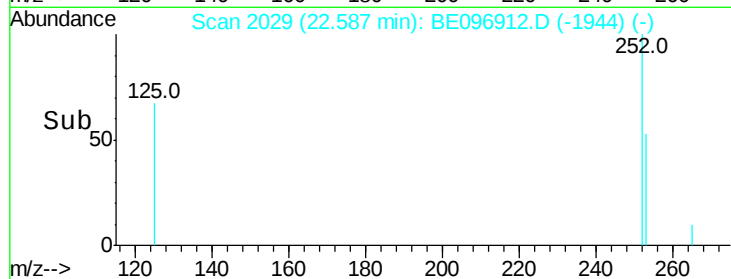
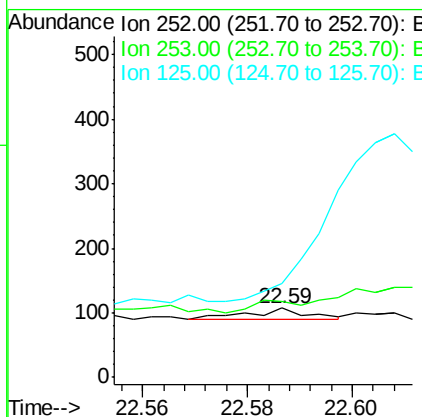
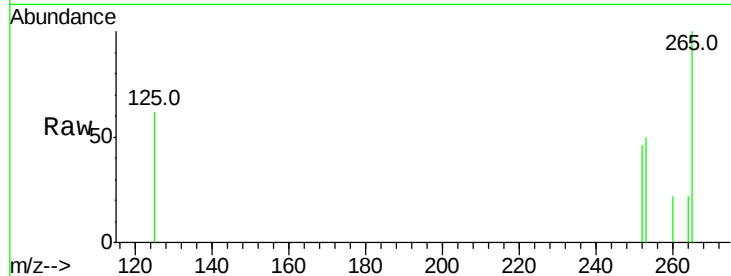




#36
Benzo(k)fluoranthene
Concen: 0.084 ng
RT: 22.59 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096912.D
Acq: 13 Jul 2018 18:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 13
Ion Ratio Lower Upper
252 100
253 109.3 16.0 24.0#
125 136.4 8.0 12.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.109 ng
RT: 25.53 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BE096912.D
Acq: 13 Jul 2018 18:28

Tgt Ion:278 Resp: 4
Ion Ratio Lower Upper
278 100
139 125.9 16.0 24.0#
279 101.7 20.0 30.0#

