

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096908.D
 Acq On : 13 Jul 2018 16:01
 Operator : SJ/JU
 Sample : J3170-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 17:29:16 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	2183	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	10444	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5545	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	14926	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14554	0.40	ng	0.00
34) Perylene-d12	23.21	264	14603	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1113	0.23	ng	0.00
5) Phenol-d6	6.59	99	915	0.13	ng	0.00
8) Nitrobenzene-d5	8.53	82	3477	0.55	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6826	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	803	0.58	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10422	0.51	ng	0.00
25) Fluoranthene-d10	18.81	212	72984	0.56	ng	0.00
29) Terphenyl-d14	19.43	244	18787	0.67	ng	0.00

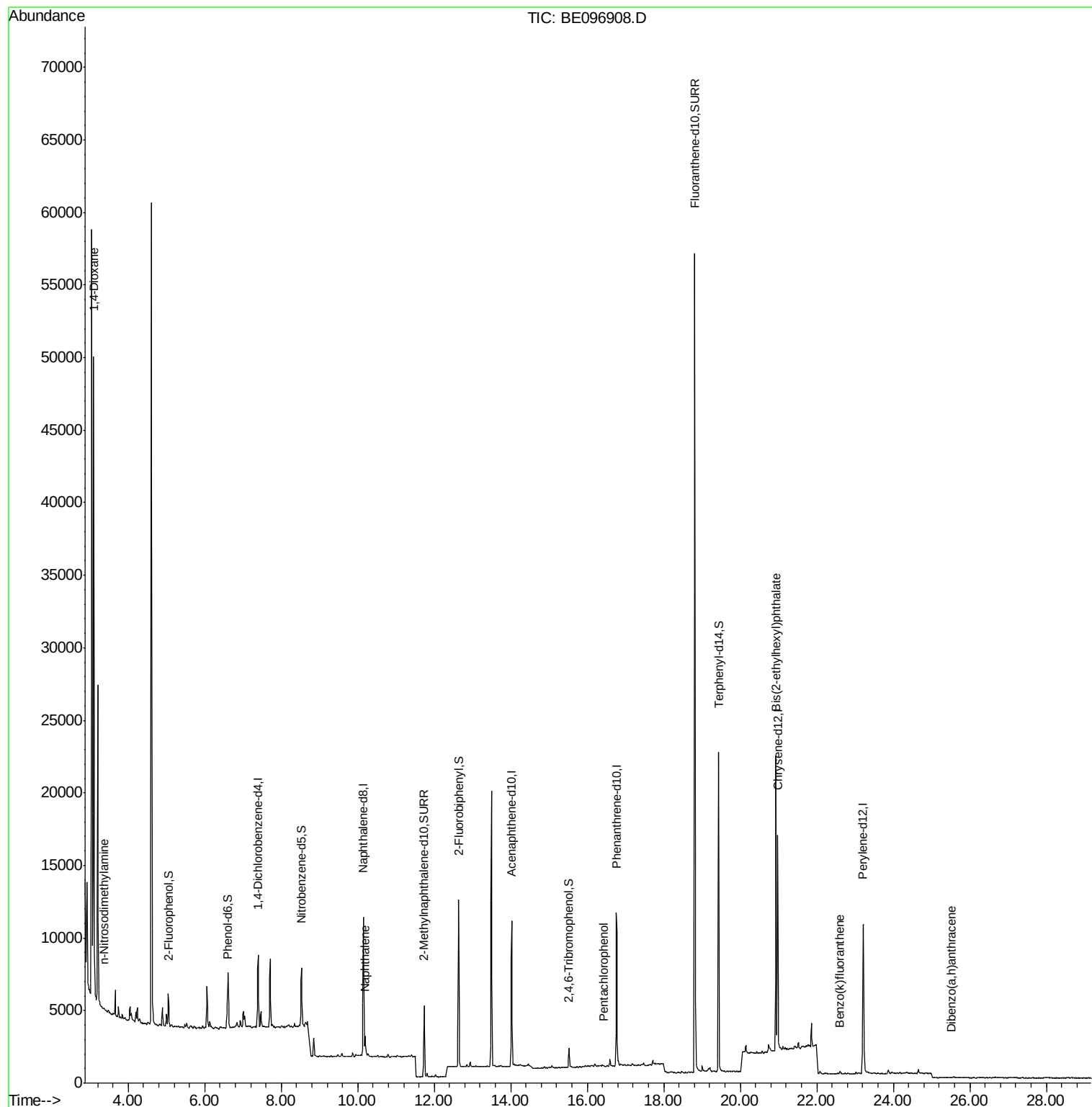
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	22879	6.994	ng	# 88
3) n-Nitrosodimethylamine	3.36	42	79	0.023	ng	# 10
9) Naphthalene	10.20	128	2058	0.022	ng	# 91
22) Pentachlorophenol	16.44	266	26	0.058	ng	98
32) Bis(2-ethylhexyl)phthalate	20.93	149	20443	0.708	ng	100
36) Benzo(k)fluoranthene	22.58	252	77	0.085	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	13	0.110	ng	# 1

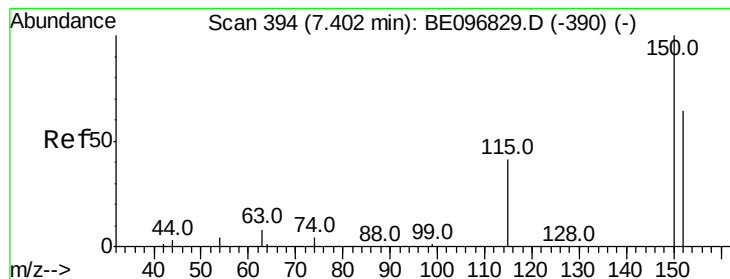
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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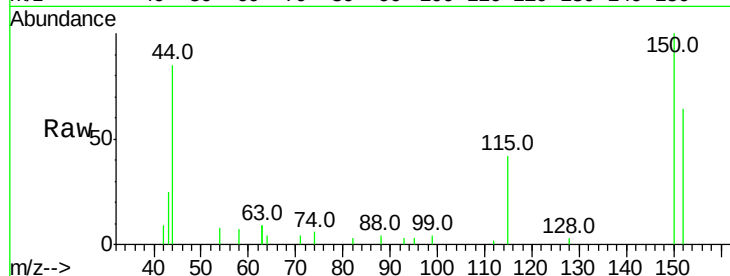


#1

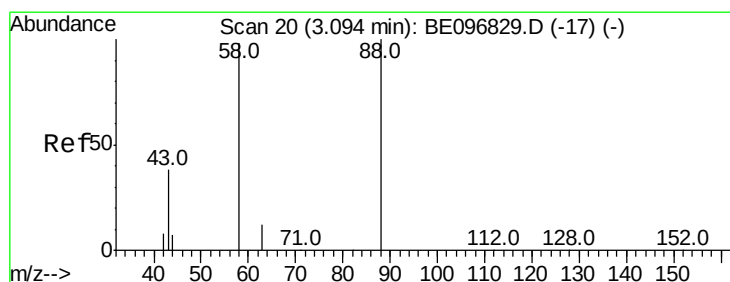
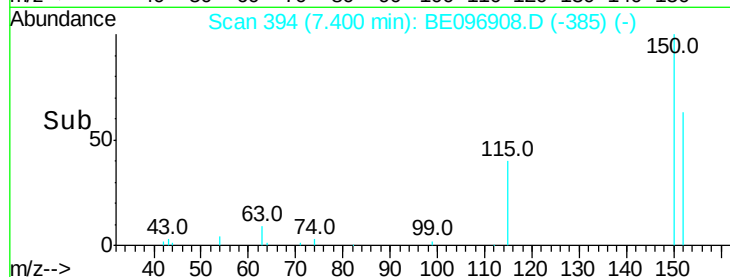
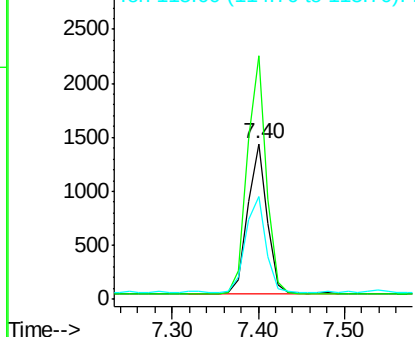
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096908.D
Acq: 13 Jul 2018 16:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2183
Ion Ratio Lower Upper
152 100
150 156.6 117.2 175.8
115 66.0 57.0 85.6



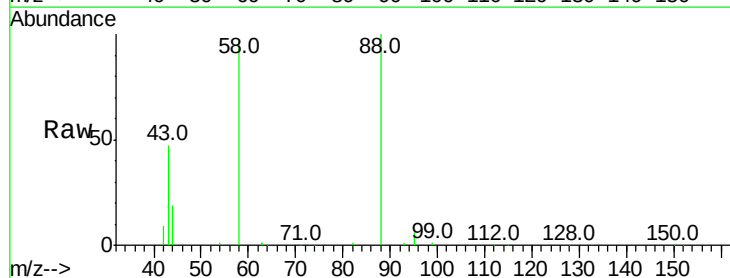
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



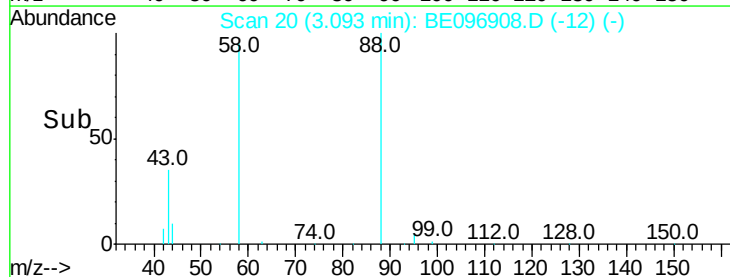
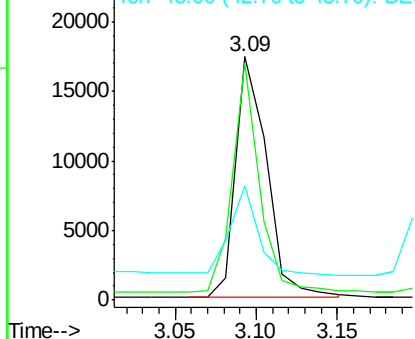
#2

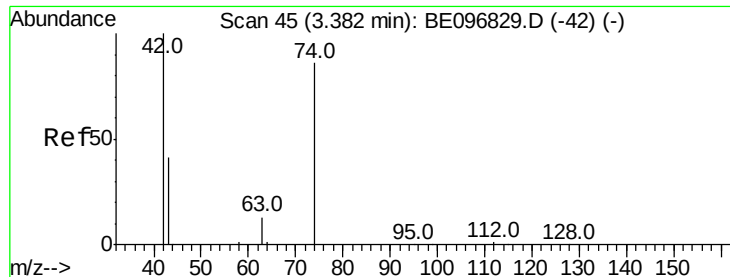
1,4-Dioxane
Concen: 6.994 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096908.D
Acq: 13 Jul 2018 16:01

Tgt Ion: 88 Resp: 22879
Ion Ratio Lower Upper
88 100
58 81.6 63.2 94.8
43 33.7 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: 0.023 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.03 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

ClientSampleId :

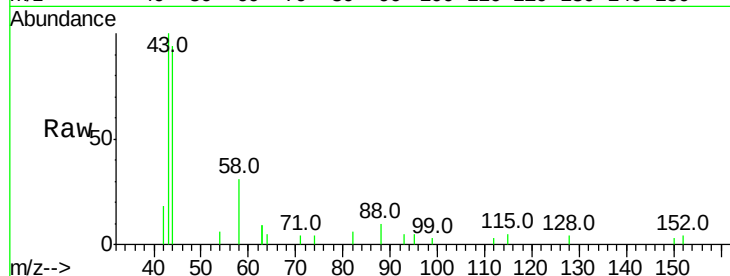
Tot Ion: 42 Resp: 79

Ion Ratio Lower Upper

42 100

74 12.7 96.0 144.0#

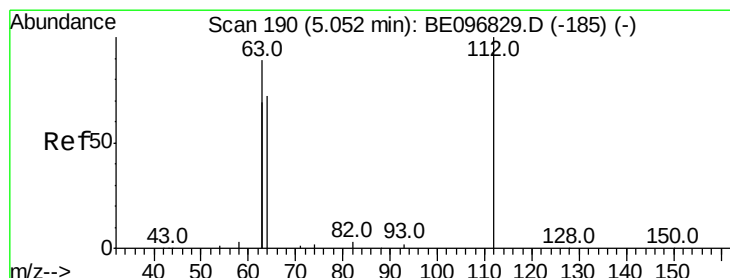
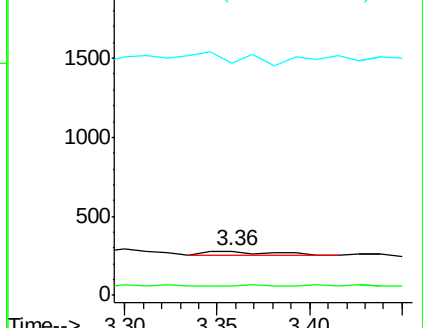
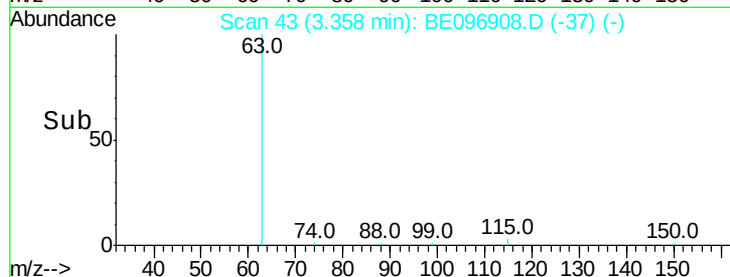
44 0.0 12.0 18.0#



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: 0.228 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

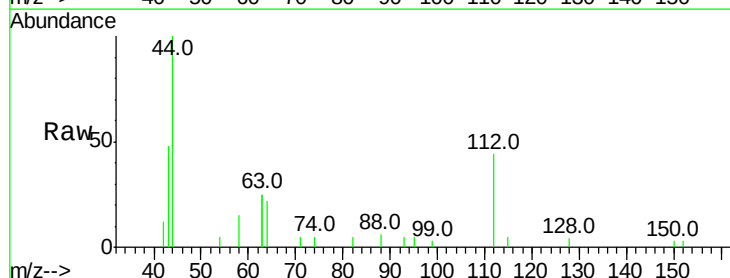
Tgt Ion: 112 Resp: 1113

Ion Ratio Lower Upper

112 100

64 69.6 60.1 90.1

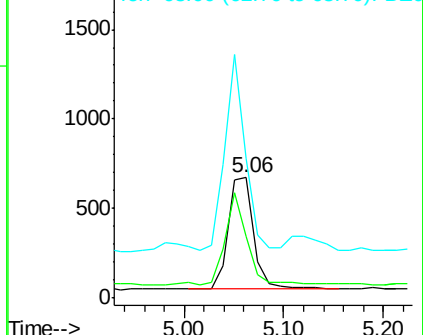
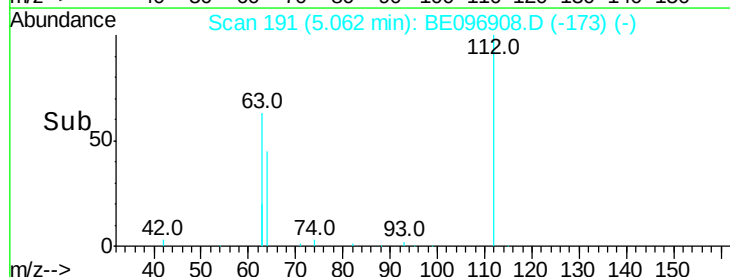
63 139.2 116.8 175.2

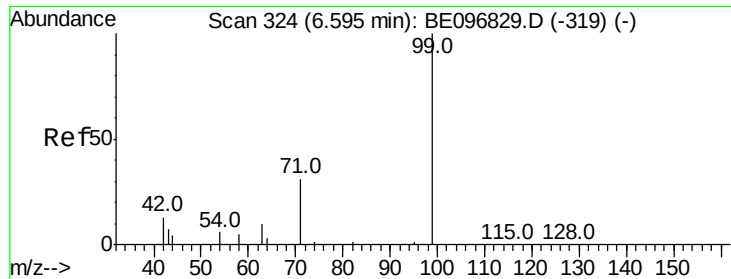


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.126 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

ClientSampleId :

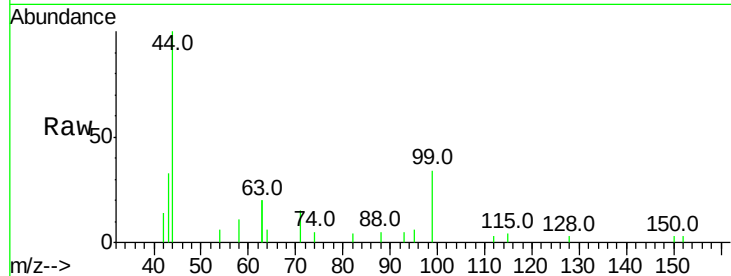
Tot Ion: 99 Resp: 915

Ion Ratio Lower Upper

99 100

42 41.2 20.2 30.2#

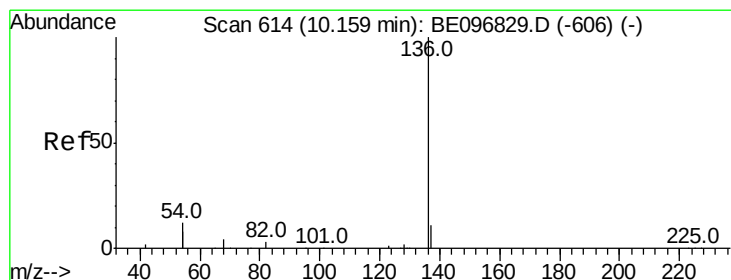
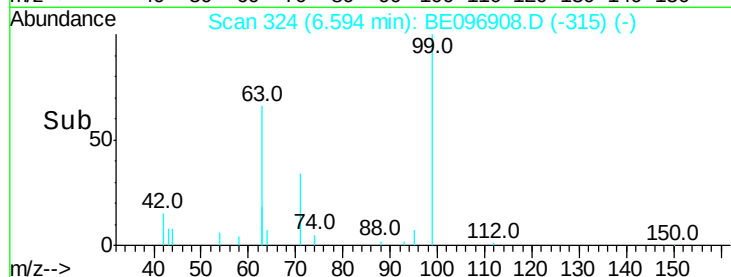
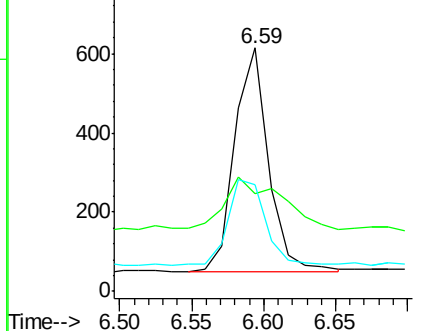
71 43.2 28.4 42.6#



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: BE096908.D

Acq: 13 Jul 2018 16:01

Tgt Ion:136 Resp: 10444

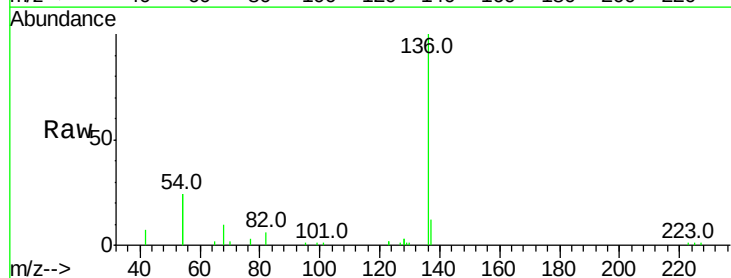
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 48.0 29.1 43.7#

68 9.7 6.2 9.2#

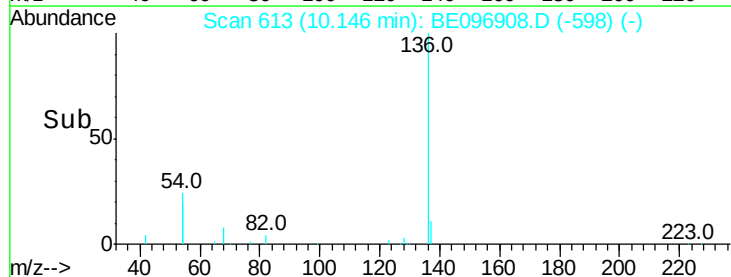
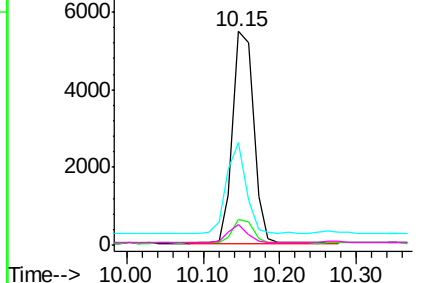


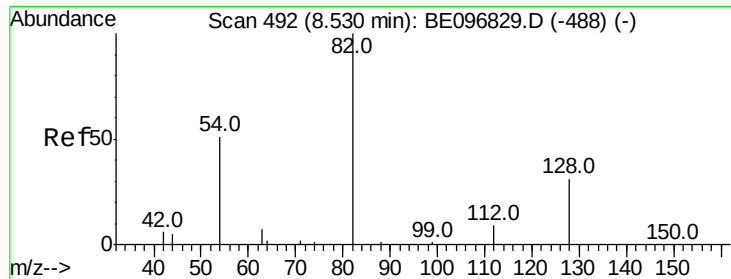
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.550 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

ClientSampleId :

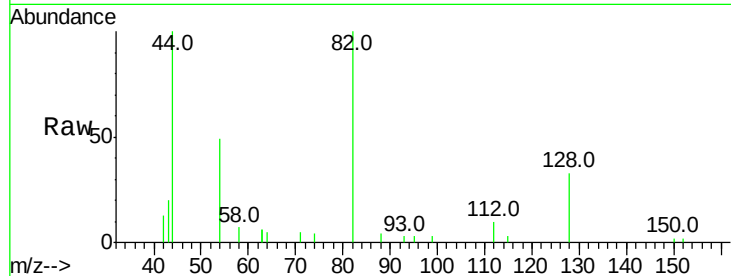
Tot Ion: 82 Resp: 3477

Ion Ratio Lower Upper

82 100

128 32.6 24.0 36.0

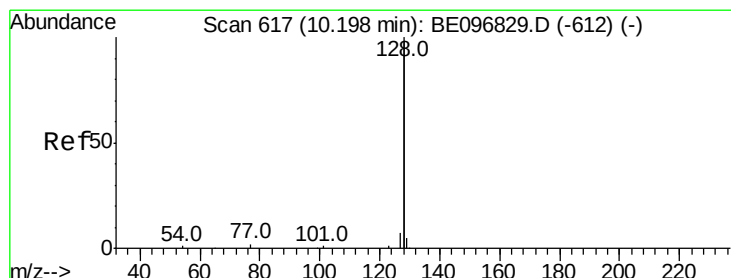
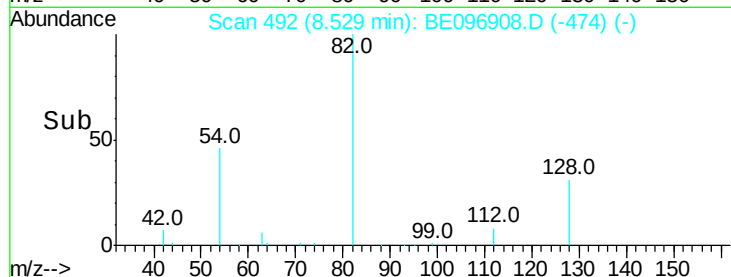
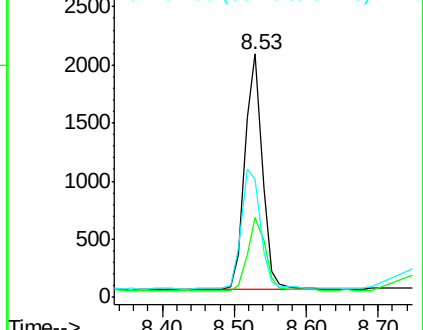
54 48.7 40.0 60.0



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: 0.022 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

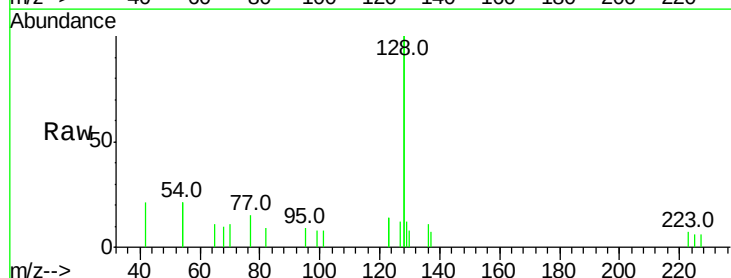
Tgt Ion: 128 Resp: 2058

Ion Ratio Lower Upper

128 100

129 6.2 2.6 3.8#

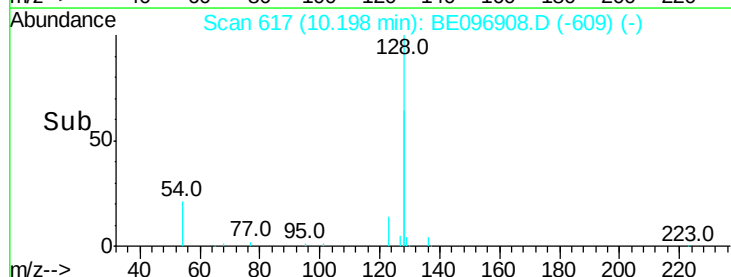
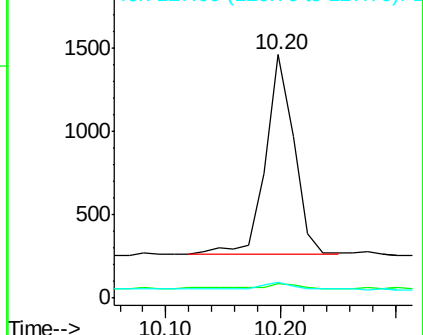
127 6.2 2.8 4.2#

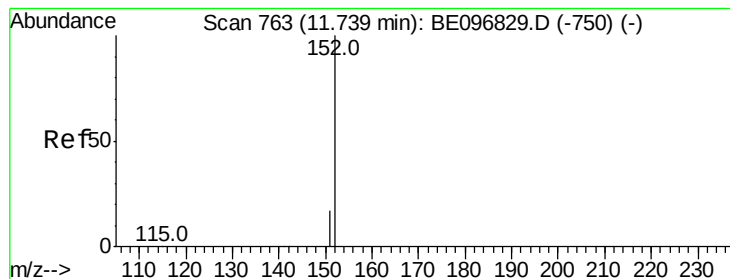


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.454 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

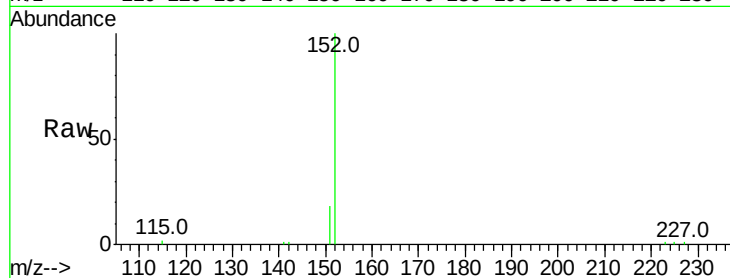
ClientSampleId :

Tot Ion:152 Resp: 6826

Ion Ratio Lower Upper

152 100

151 21.0 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

4000

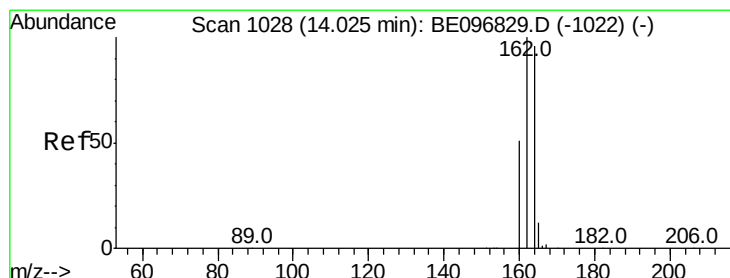
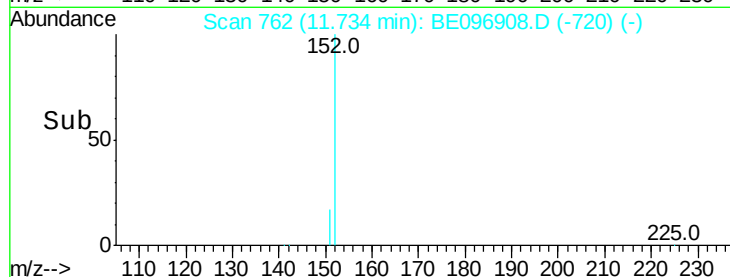
3000

2000

1000

0

Time--> 11.60 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

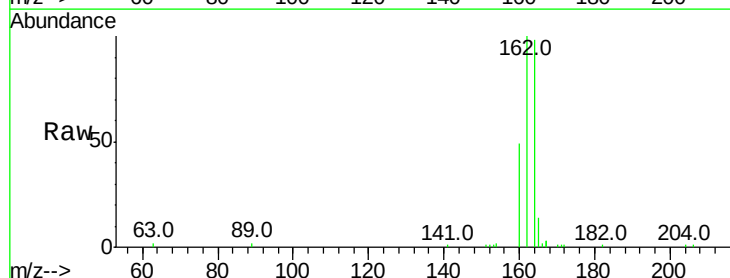
Tgt Ion:164 Resp: 5545

Ion Ratio Lower Upper

164 100

162 102.3 83.1 124.7

160 50.1 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

14.03

4000

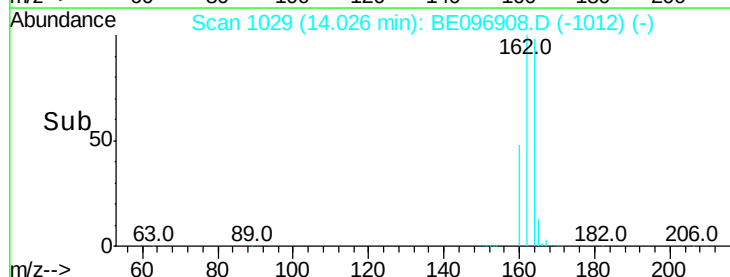
3000

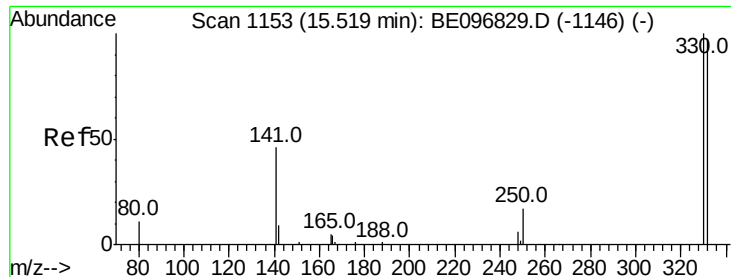
2000

1000

0

Time--> 13.90 14.00 14.10

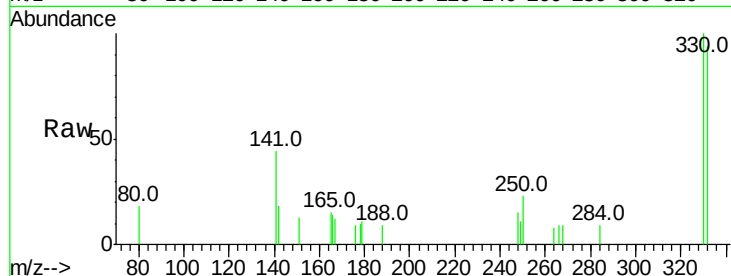




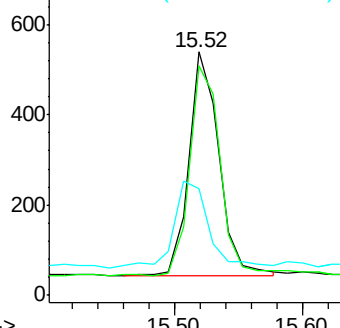
#14
2,4,6-Tribromophenol
Concen: 0.577 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE096908.D
Acq: 13 Jul 2018 16:01

Instrument :
BNA_E
ClientSampleId :

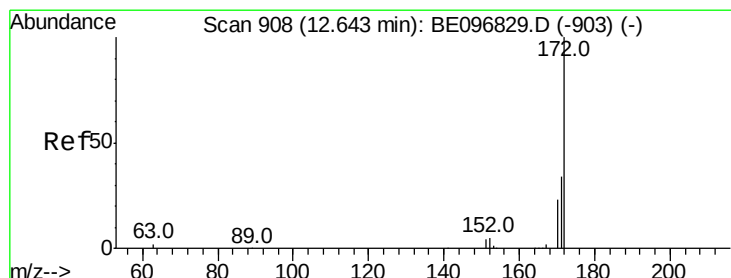
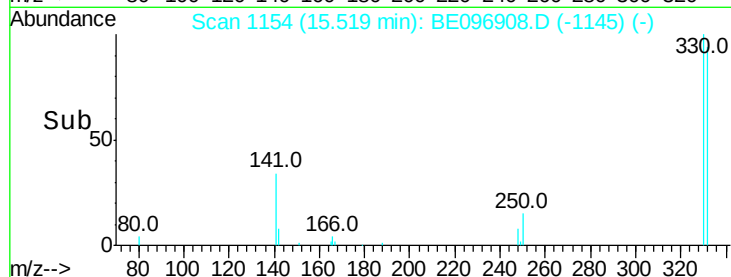
Tot Ion:330 Resp: 803
Ion Ratio Lower Upper
330 100
332 96.3 152.7 229.1#
141 44.2 33.7 50.5



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

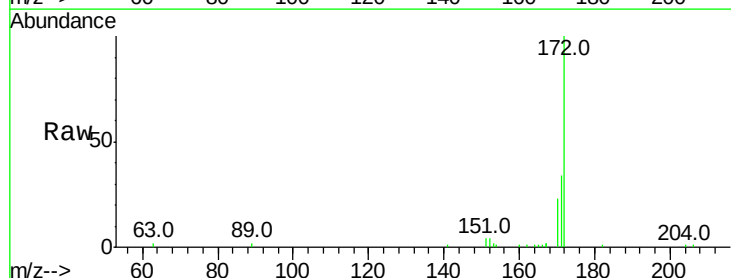


Time-->

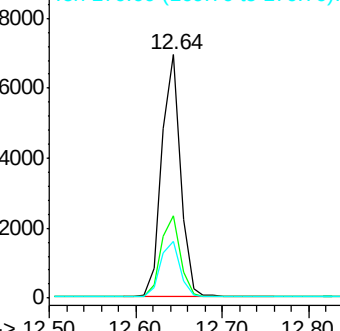


#15
2-Fluorobiphenyl
Concen: 0.514 ng
RT: 12.64 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE096908.D
Acq: 13 Jul 2018 16:01

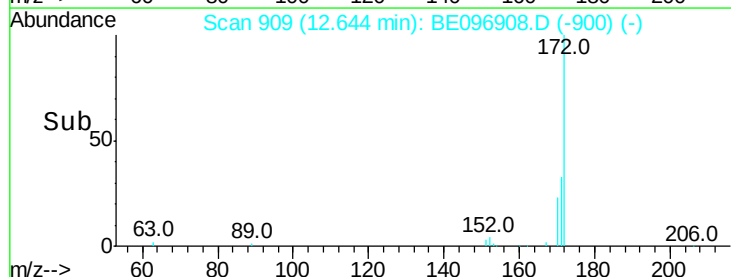
Tgt Ion:172 Resp: 10422
Ion Ratio Lower Upper
172 100
171 33.7 29.9 44.9
170 23.4 21.8 32.8

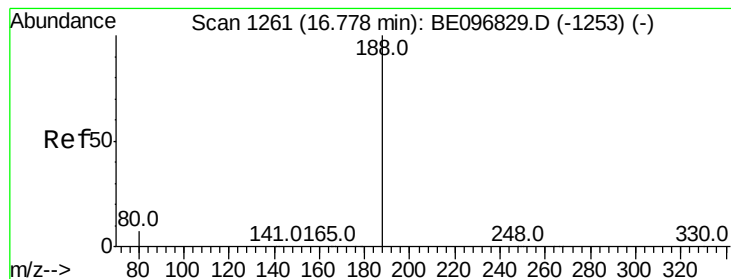


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

ClientSampled :

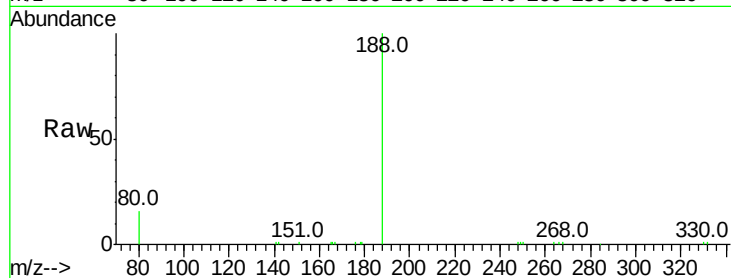
Tot Ion:188 Resp: 14926

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

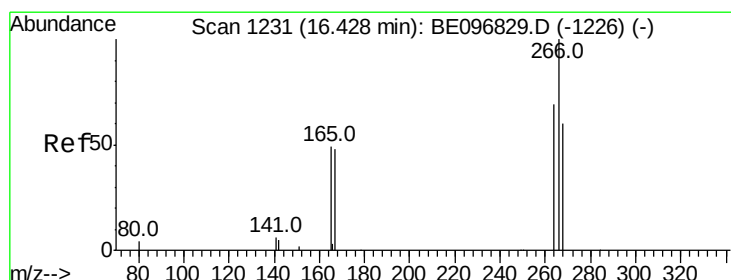
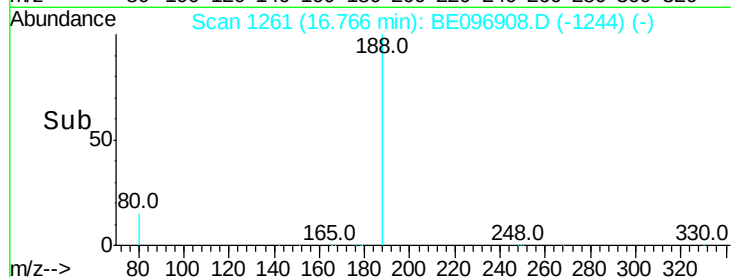
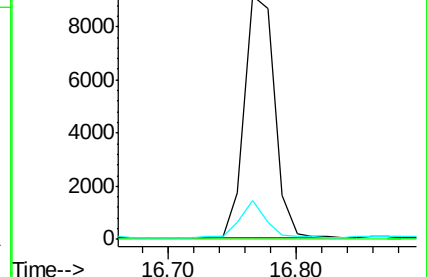
80 16.0 3.6 5.4#



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: 0.058 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

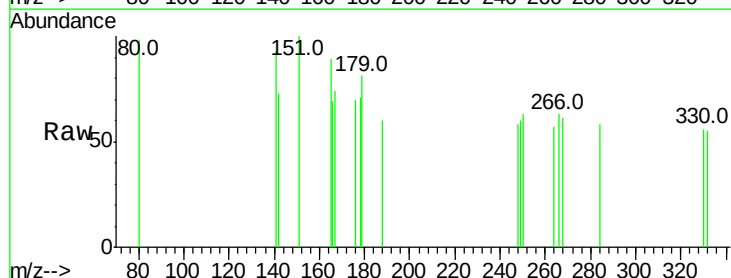
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

264 90.6 72.5 108.7

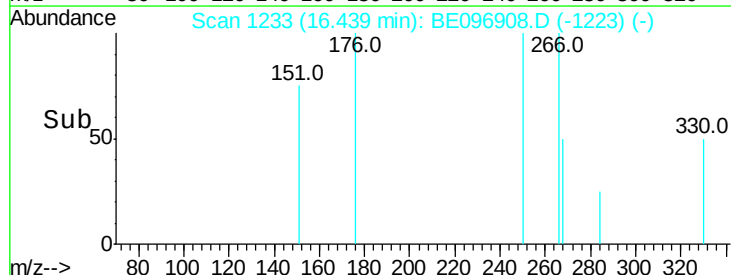
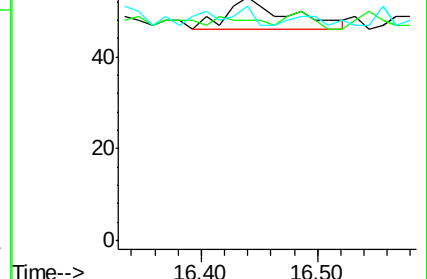
268 96.2 73.8 110.6

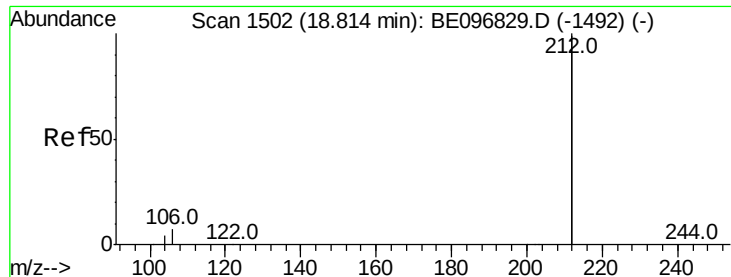


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.556 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

ClientSampleId :

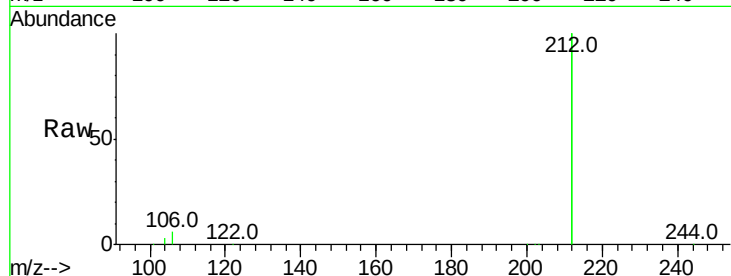
Tot Ion:212 Resp: 72984

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

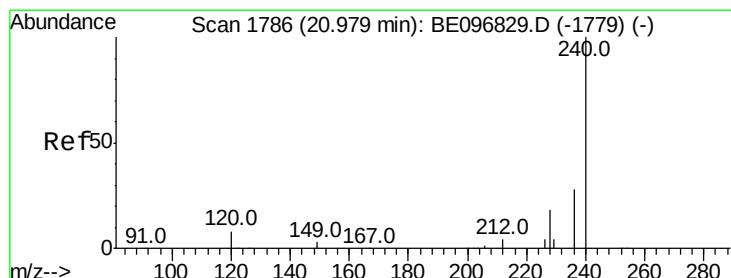
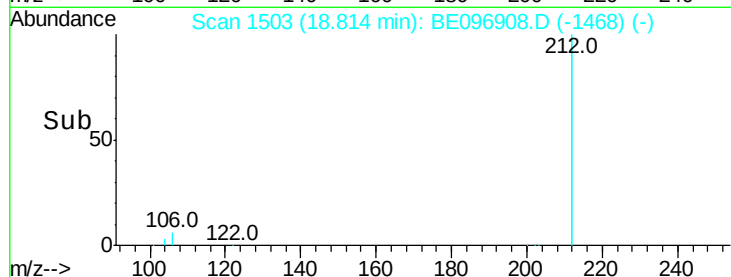
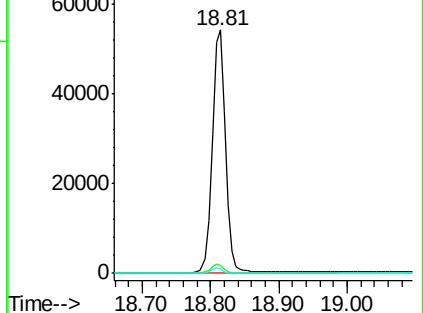
104 1.9 1.6 2.4



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: BE096908.D

Acq: 13 Jul 2018 16:01

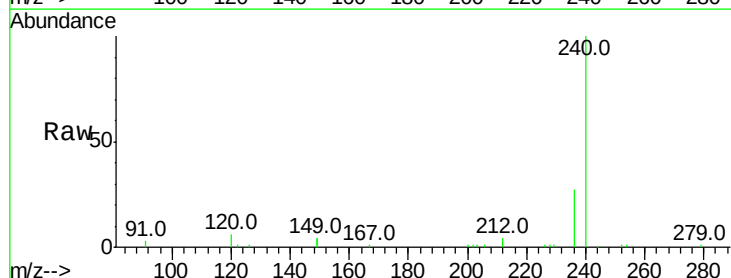
Tgt Ion:240 Resp: 14554

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

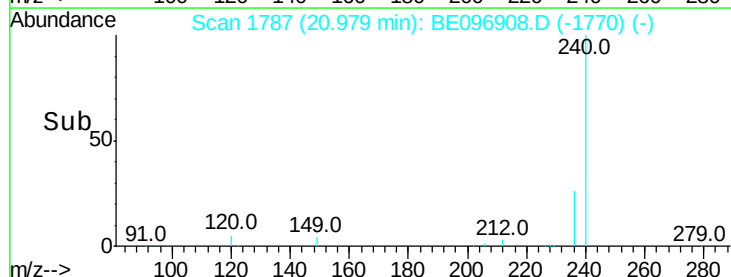
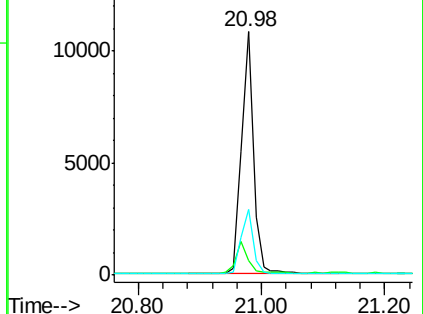
236 26.9 20.7 31.1

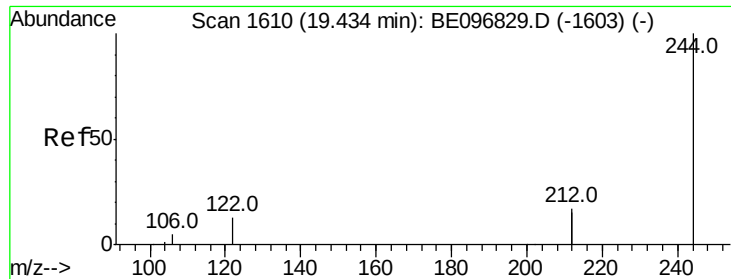


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.669 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

ClientSampleId :

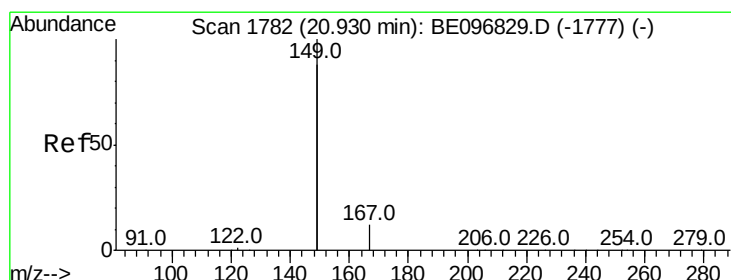
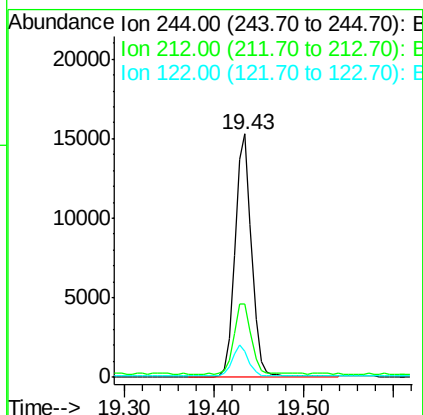
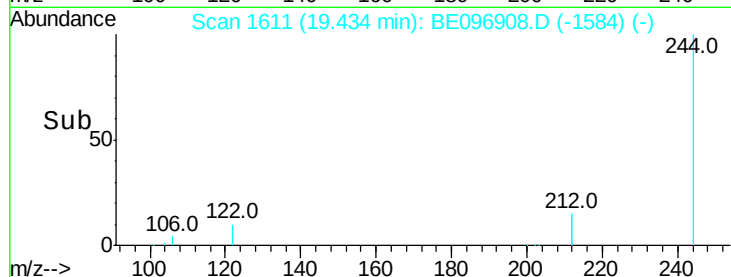
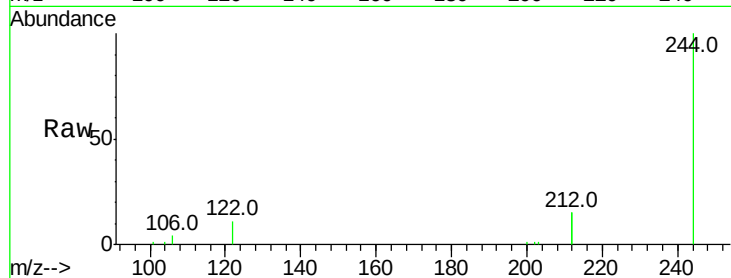
Tot Ion:244 Resp: 18787

Ion Ratio Lower Upper

244 100

212 30.3 25.4 38.0

122 10.9 8.1 12.1



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.708 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

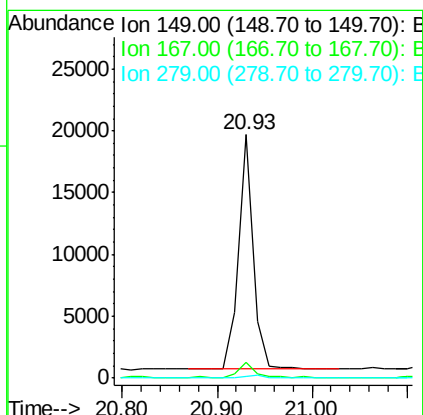
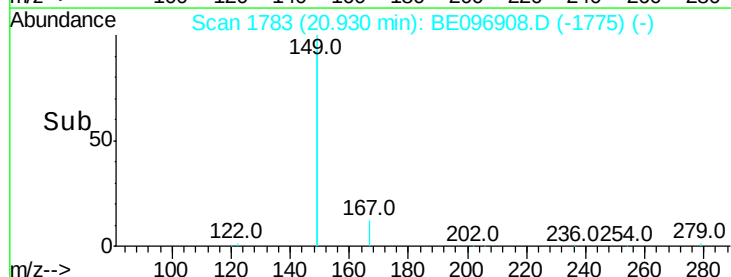
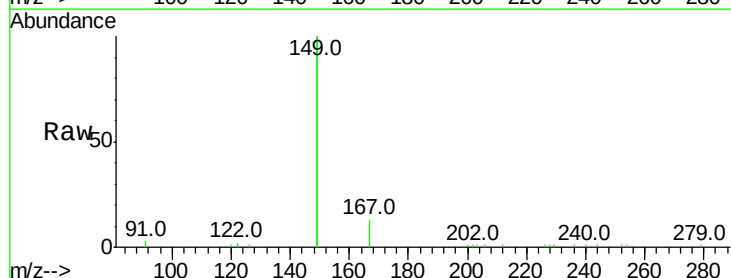
Tgt Ion:149 Resp: 20443

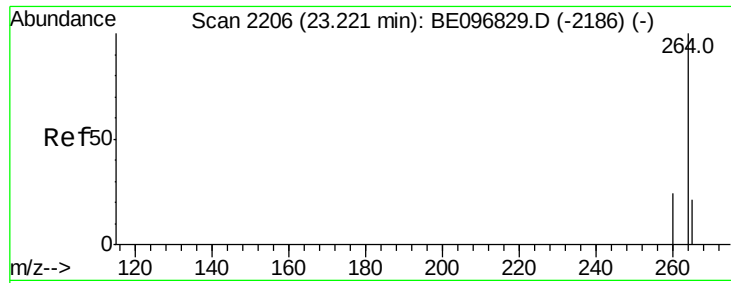
Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

279 0.9 0.7 1.1

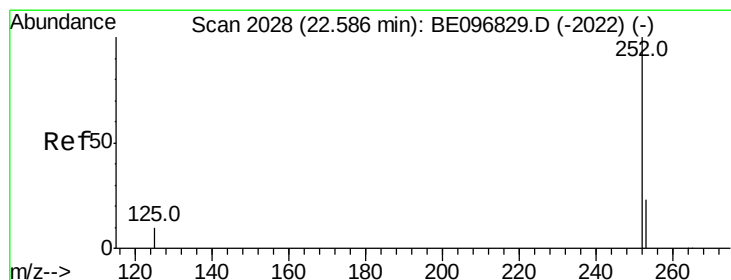
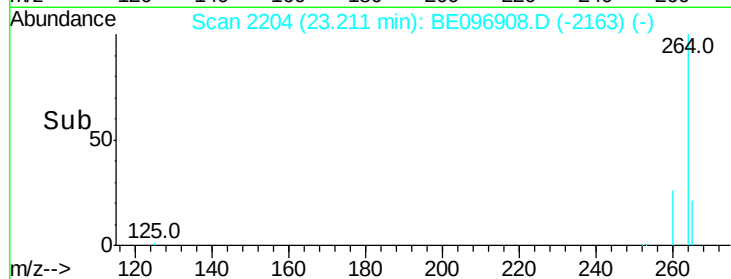
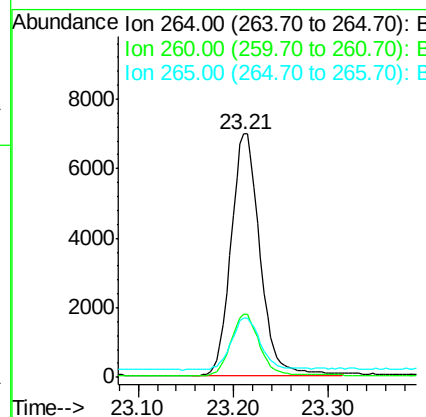
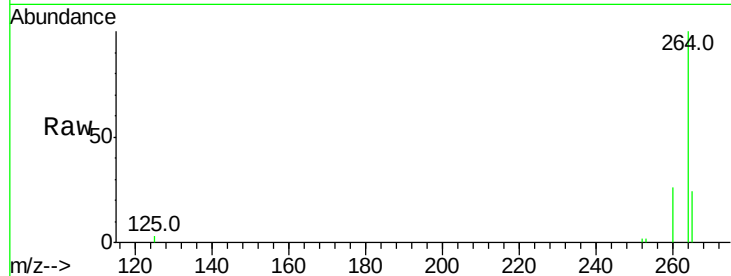




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE096908.D
Acq: 13 Jul 2018 16:01

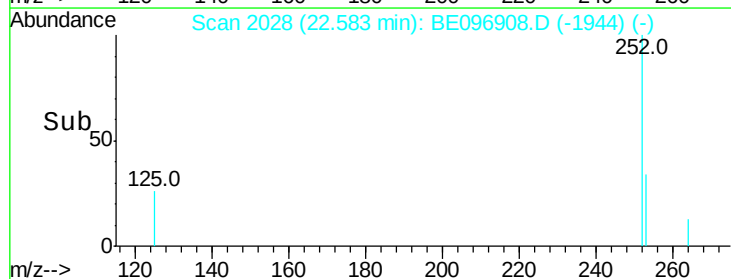
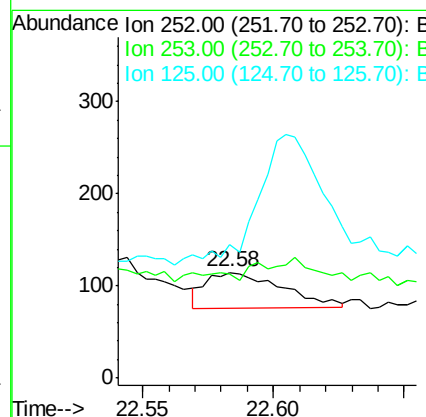
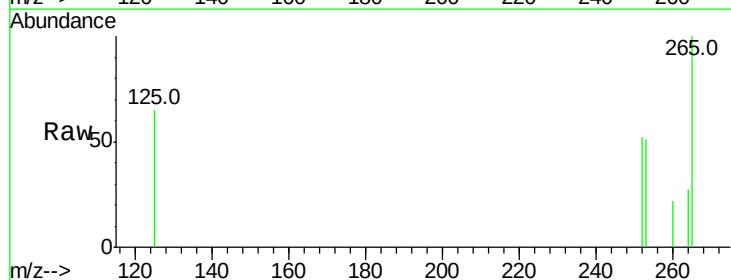
Instrument :
BNA_E
ClientSampleId :

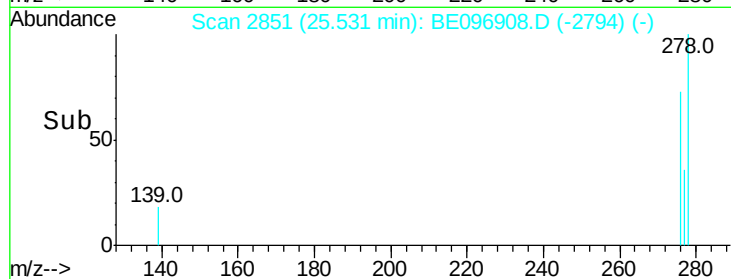
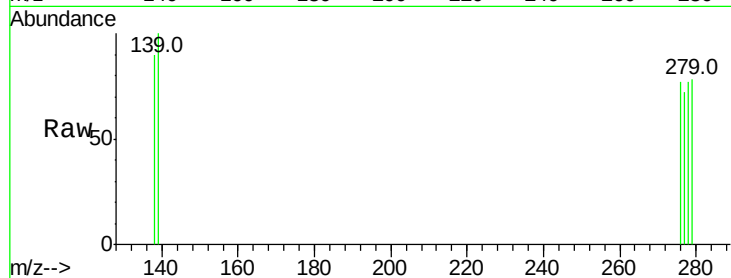
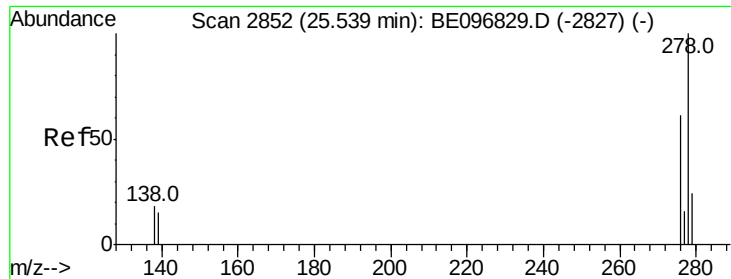
Tot Ion:264 Resp: 14603
Ion Ratio Lower Upper
264 100
260 26.1 20.5 30.7
265 24.4 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.085 ng
RT: 22.58 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BE096908.D
Acq: 13 Jul 2018 16:01

Tgt Ion:252 Resp: 77
Ion Ratio Lower Upper
252 100
253 98.3 16.0 24.0#
125 126.1 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE096908.D

Acq: 13 Jul 2018 16:01

Instrument :

BNA_E

ClientSampleId :

Tot Ion:278 Resp: 13

Ion Ratio Lower Upper

278 100

139 130.0 16.0 24.0#

279 101.7 20.0 30.0#

