

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096930.D
 Acq On : 14 Jul 2018 8:07
 Operator : SJ/JU
 Sample : J3170-09DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 16 00:18:56 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	2090	0.40	ng	0.01
7) Naphthalene-d8	10.16	136	11141	0.40	ng	0.01
13) Acenaphthene-d10	14.03	164	6143	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	15245	0.40	ng	0.01
27) Chrysene-d12	20.98	240	13443	0.40	ng	0.00
34) Perylene-d12	23.21	264	12239	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	229	0.05	ng	0.00
5) Phenol-d6	6.60	99	179	0.03	ng	0.01
8) Nitrobenzene-d5	8.53	82	694	0.10	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	1617	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	125	0.22	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	2658	0.12	ng	0.00
25) Fluoranthene-d10	18.81	212	12662	0.09	ng	0.00
29) Terphenyl-d14	19.43	244	3523	0.14	ng	0.00

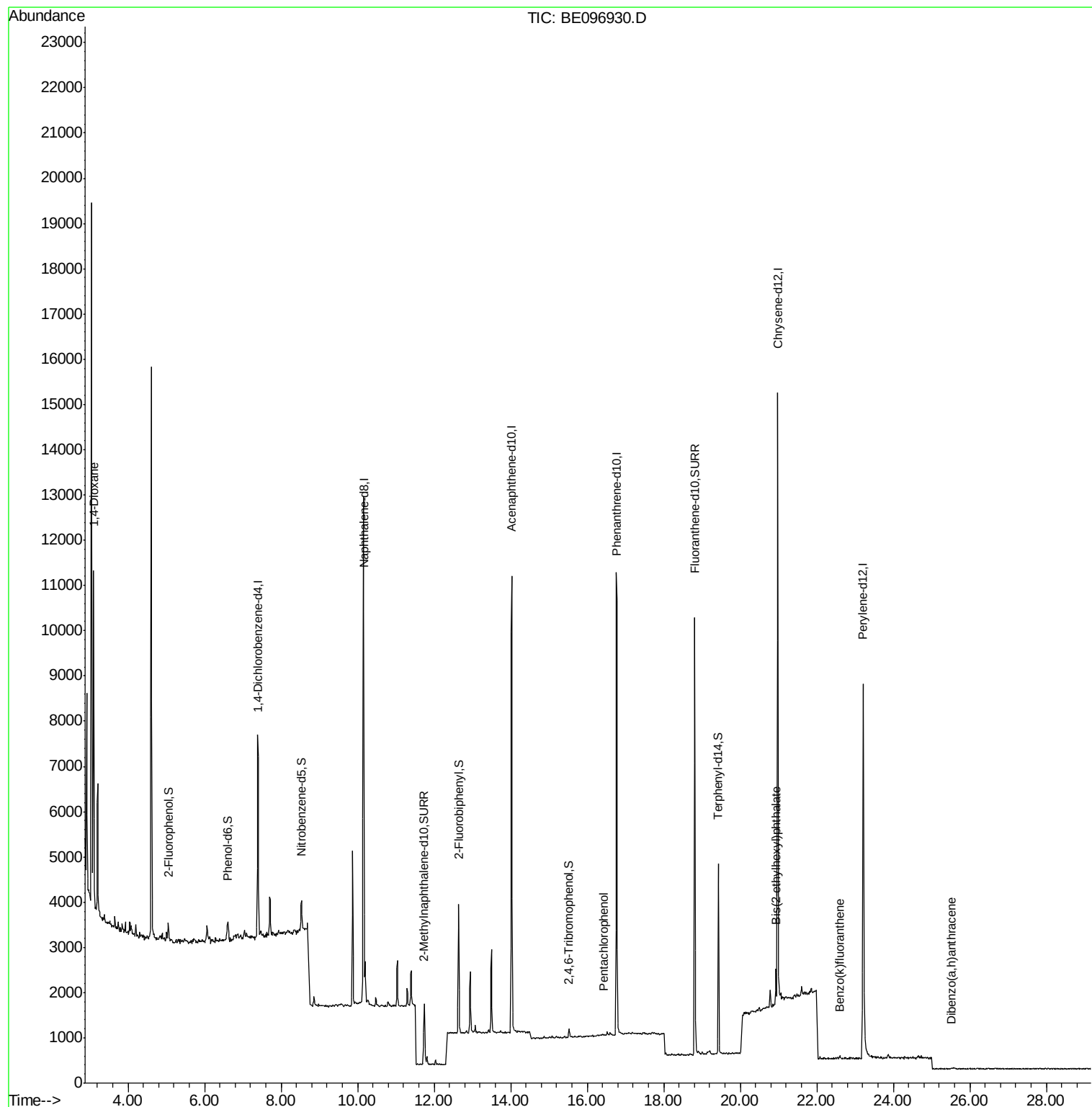
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	4105	1.311	ng	# 89
22) Pentachlorophenol	16.43	266	1	0.035	ng	# 91
32) Bis(2-ethylhexyl)phthalate	20.93	149	975	0.037	ng	# 99
36) Benzo(k)fluoranthene	22.58	252	6	0.083	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	8	0.110	ng	# 1

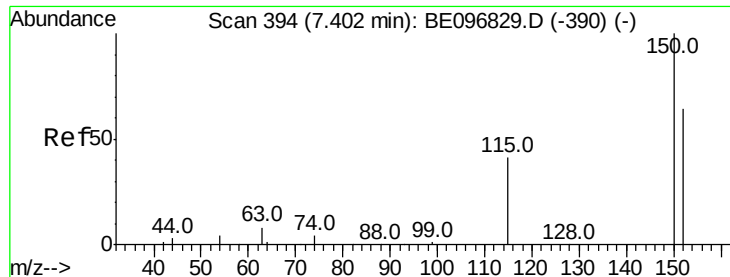
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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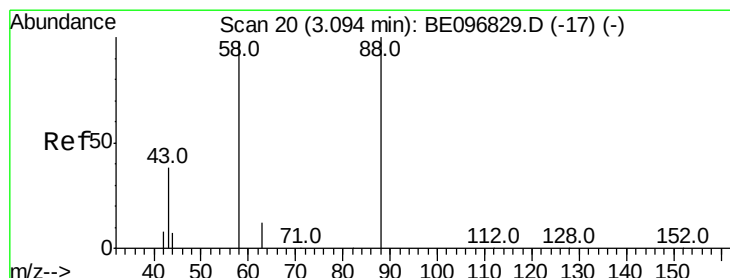
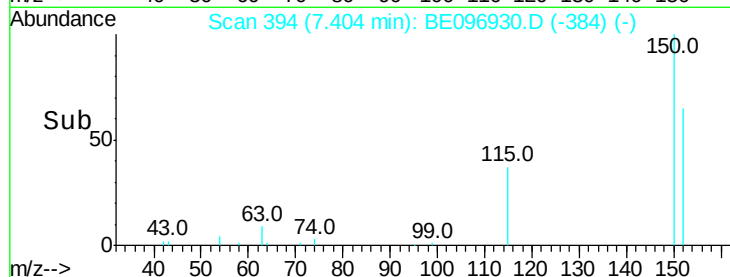
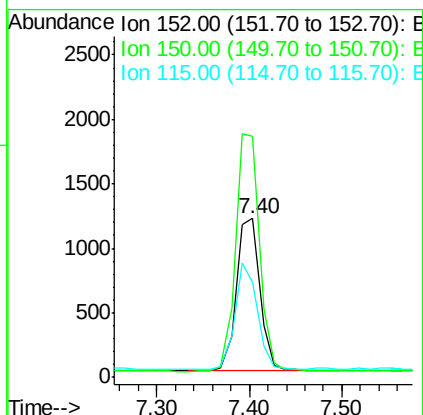
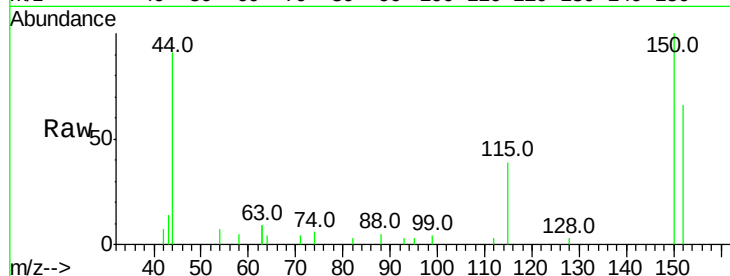


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096930.D
Acq: 14 Jul 2018 8:07

Instrument :
BNA_E
ClientSampleId :

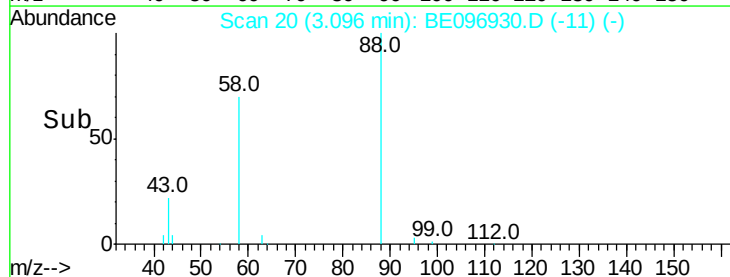
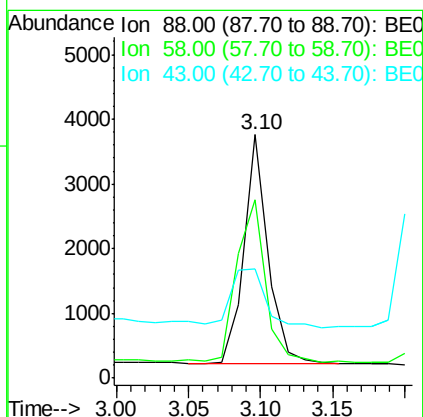
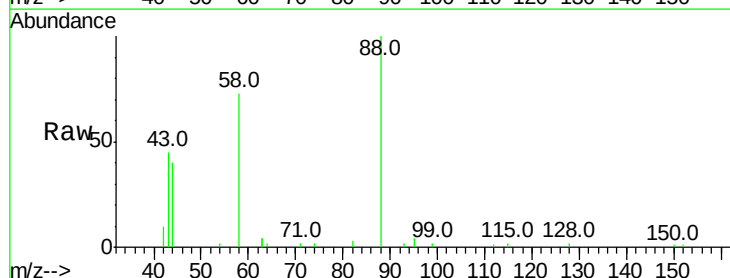
Tot Ion:152 Resp: 2090
Ion Ratio Lower Upper
152 100
150 151.9 117.2 175.8
115 59.9 57.0 85.6

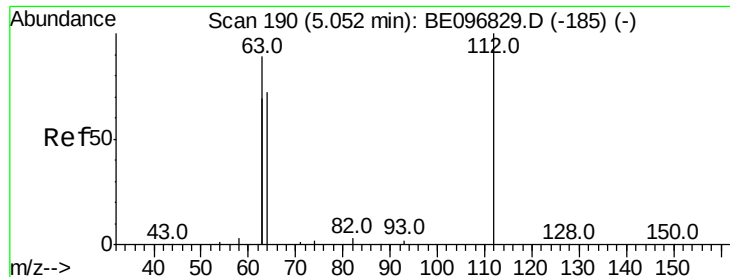


#2

1,4-Dioxane
Concen: 1.311 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096930.D
Acq: 14 Jul 2018 8:07

Tgt Ion: 88 Resp: 4105
Ion Ratio Lower Upper
88 100
58 83.5 63.2 94.8
43 37.1 41.2 61.8#





#4

2-Fluorophenol

Concen: 0.049 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096930.D

Acq: 14 Jul 2018 8:07

Instrument :

BNA_E

ClientSampled :

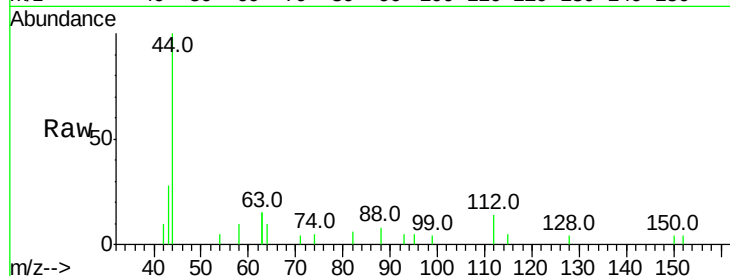
Tot Ion: 112 Resp: 229

Ion Ratio Lower Upper

112 100

64 73.8 60.1 90.1

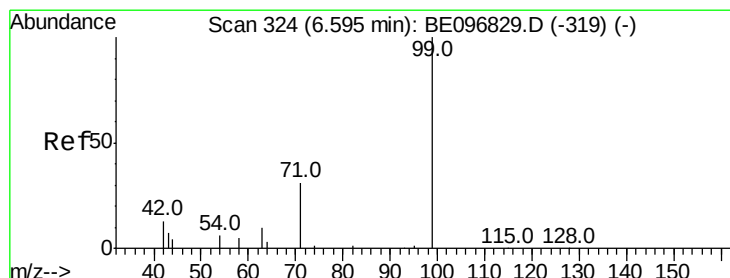
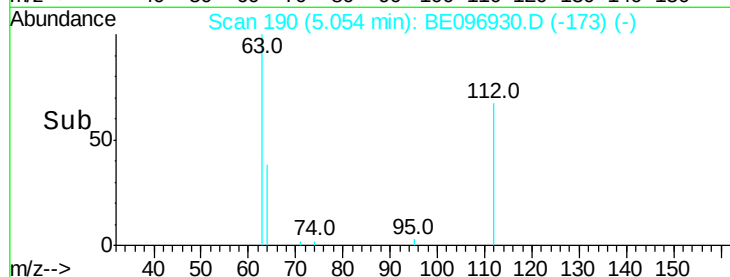
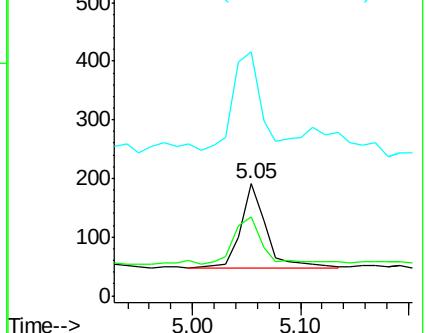
63 133.2 116.8 175.2



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: 0.026 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096930.D

Acq: 14 Jul 2018 8:07

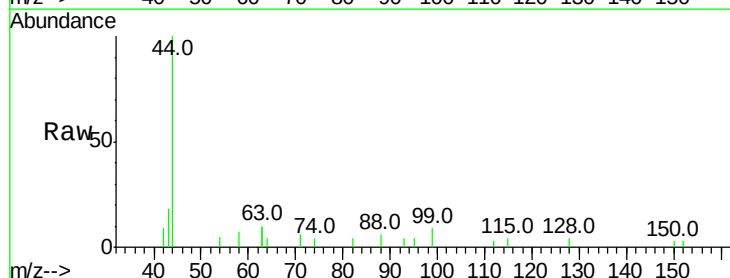
Tgt Ion: 99 Resp: 179

Ion Ratio Lower Upper

99 100

42 49.7 20.2 30.2#

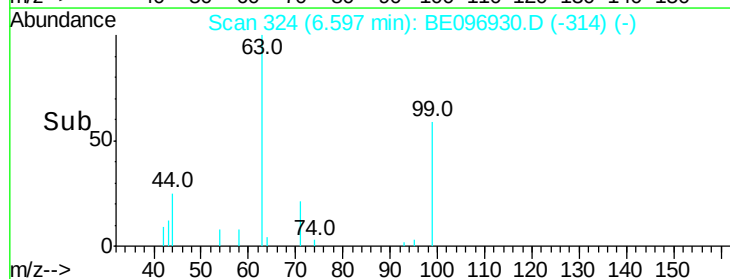
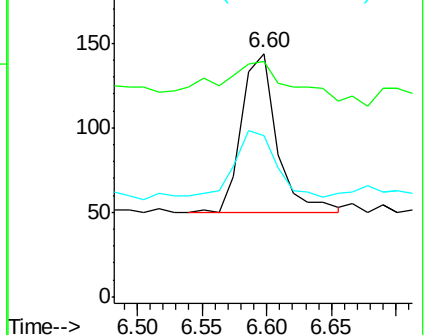
71 48.0 28.4 42.6#

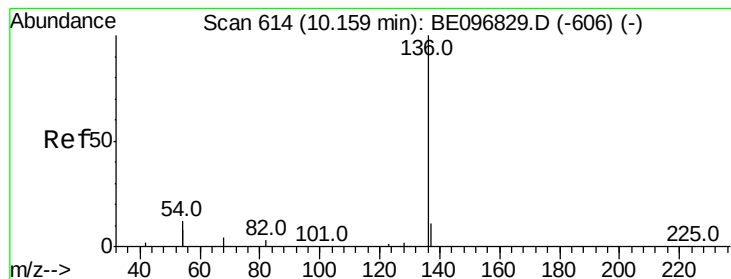


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE096930.D

Acq: 14 Jul 2018 8:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11141

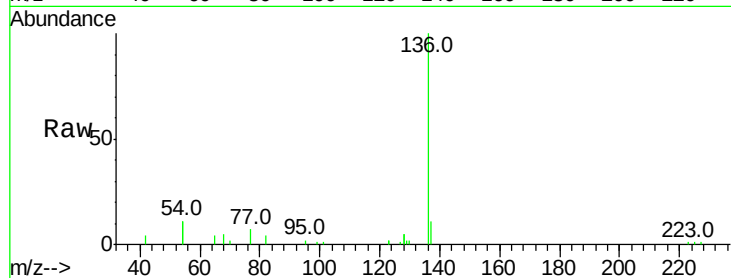
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 22.6 29.1 43.7#

68 4.6 6.2 9.2#

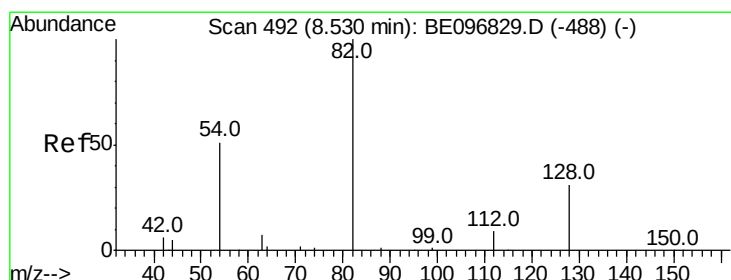
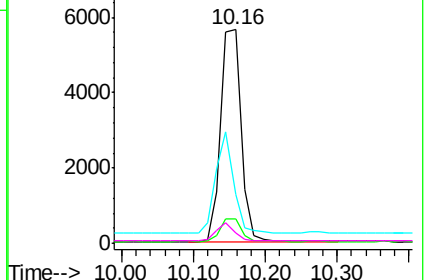
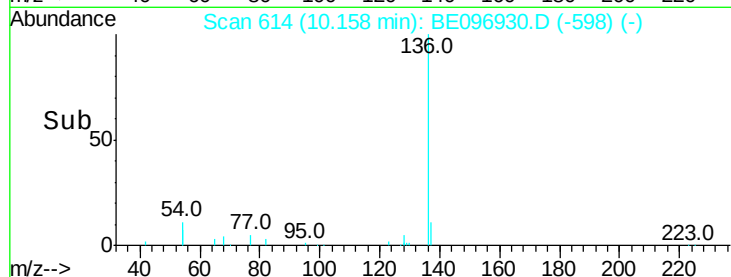


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.103 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096930.D

Acq: 14 Jul 2018 8:07

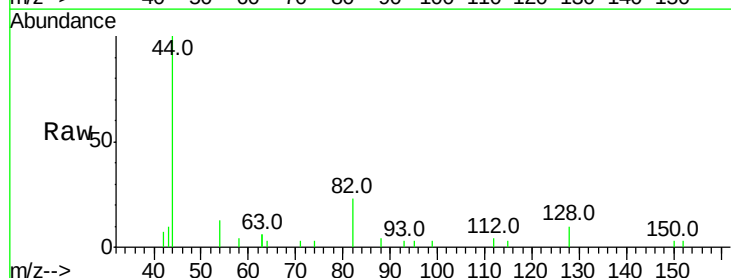
Tgt Ion: 82 Resp: 694

Ion Ratio Lower Upper

82 100

128 41.7 24.0 36.0#

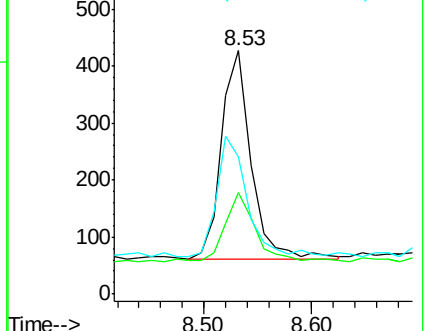
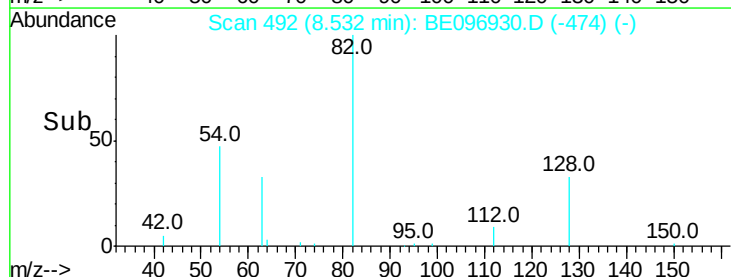
54 56.2 40.0 60.0

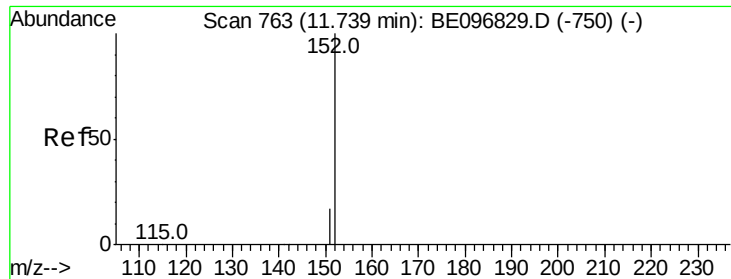


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

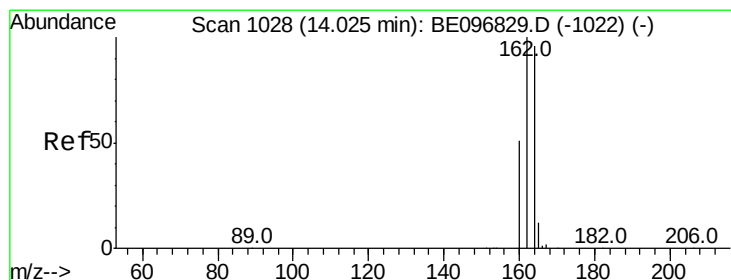
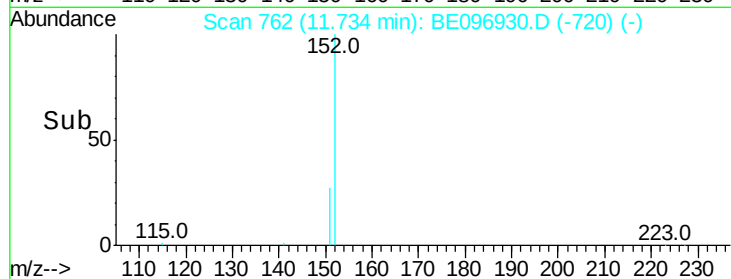
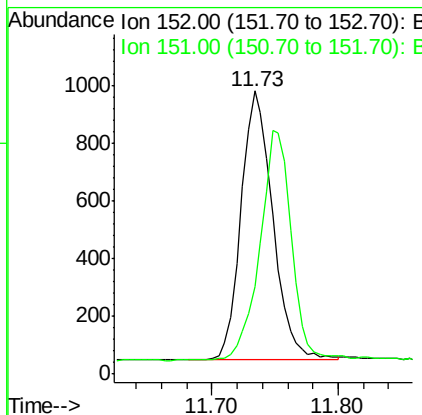
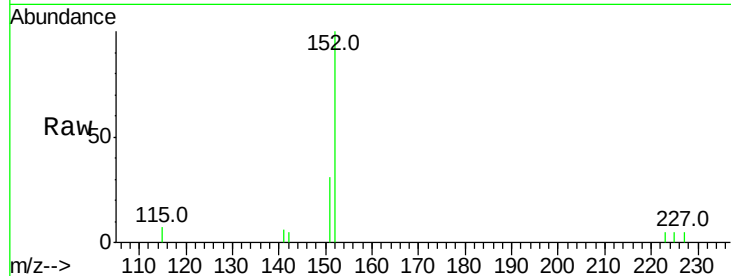




#11
2-Methylnaphthalene-d10
Concen: 0.101 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096930.D
Acq: 14 Jul 2018 8:07

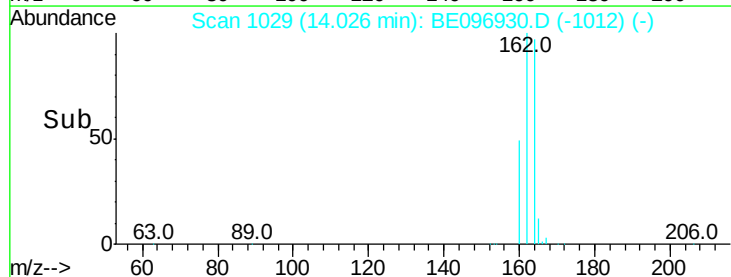
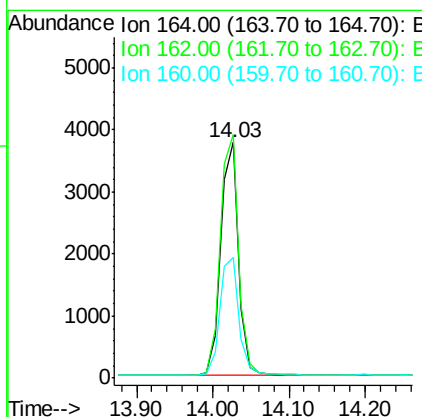
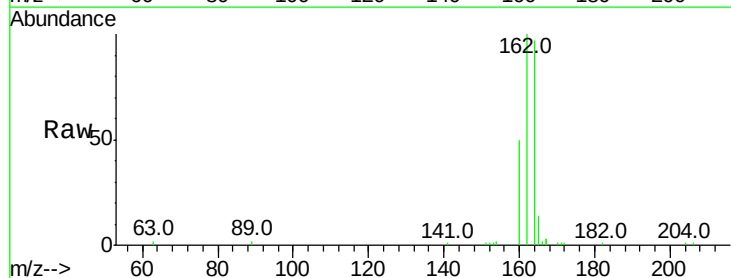
Instrument :
BNA_E
ClientSampleId :

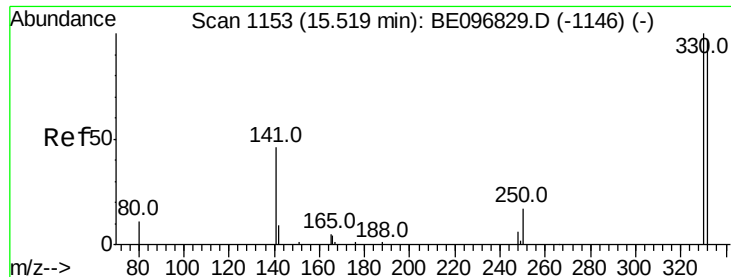
Tot Ion:152 Resp: 1617
Ion Ratio Lower Upper
152 100
151 85.0 15.4 23.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BE096930.D
Acq: 14 Jul 2018 8:07

Tgt Ion:164 Resp: 6143
Ion Ratio Lower Upper
164 100
162 103.2 83.1 124.7
160 51.1 37.1 55.7

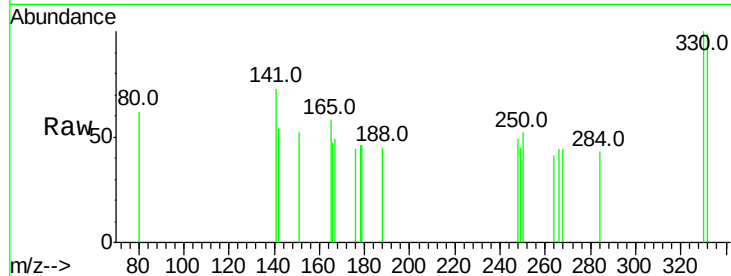




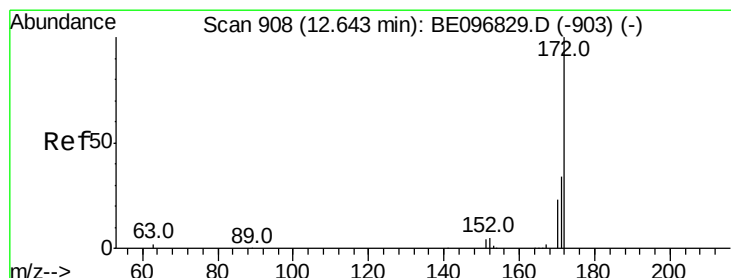
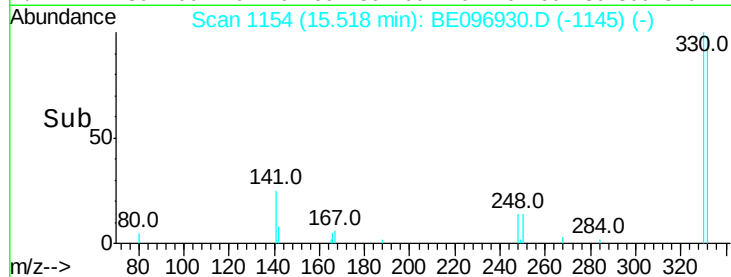
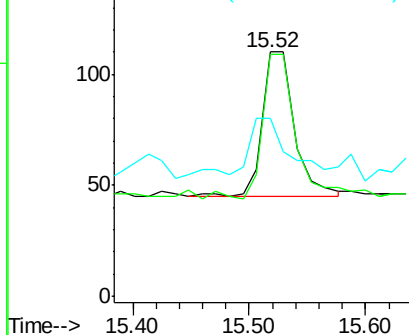
#14
 2,4,6-Tribromophenol
 Concen: 0.223 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE096930.D
 Acq: 14 Jul 2018 8:07

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 125
 Ion Ratio Lower Upper
 330 100
 332 93.6 152.7 229.1#
 141 45.6 33.7 50.5

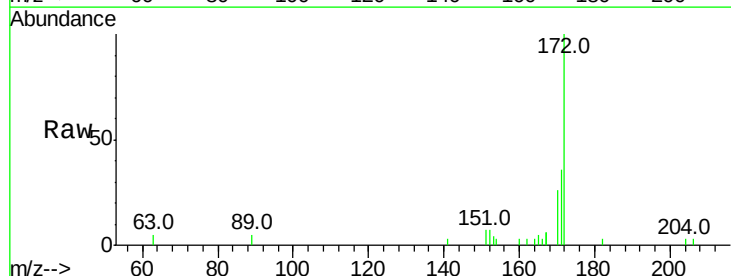


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

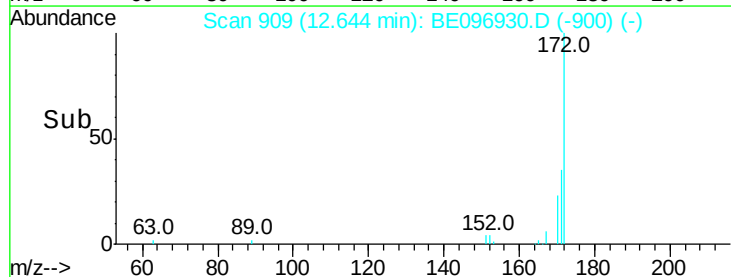
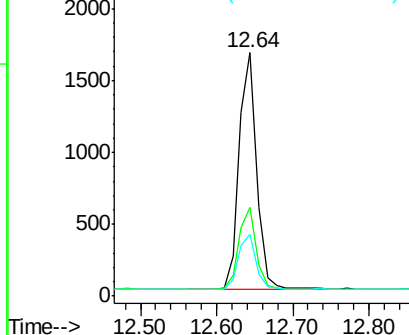


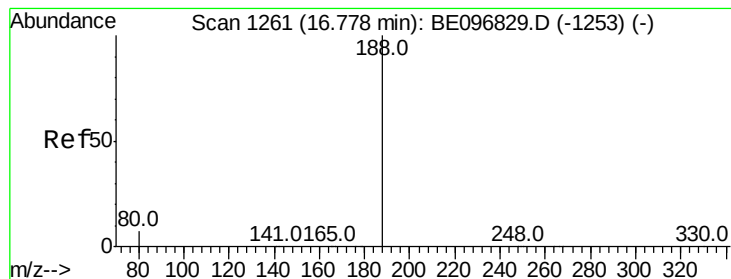
#15
 2-Fluorobiphenyl
 Concen: 0.118 ng
 RT: 12.64 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BE096930.D
 Acq: 14 Jul 2018 8:07

Tgt Ion:172 Resp: 2658
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.9 44.9
 170 25.6 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: BE096930.D

Acq: 14 Jul 2018 8:07

Instrument :

BNA_E

ClientSampleId :

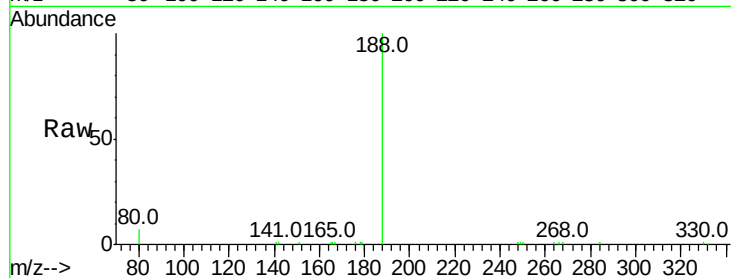
Tot Ion:188 Resp: 15245

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

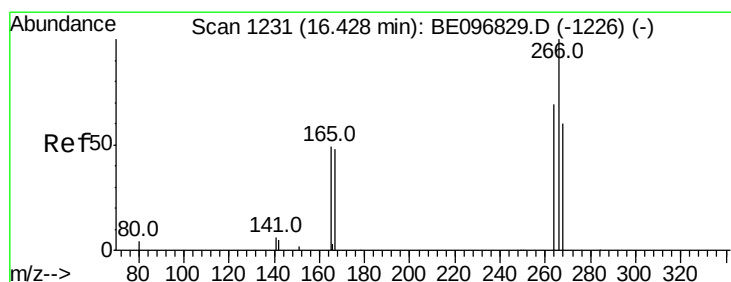
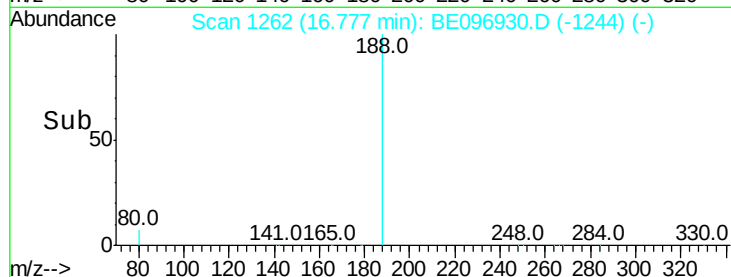
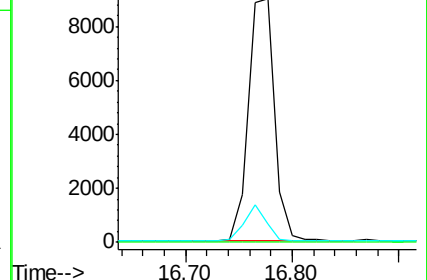
80 7.5 3.6 5.4#



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: 0.035 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE096930.D

Acq: 14 Jul 2018 8:07

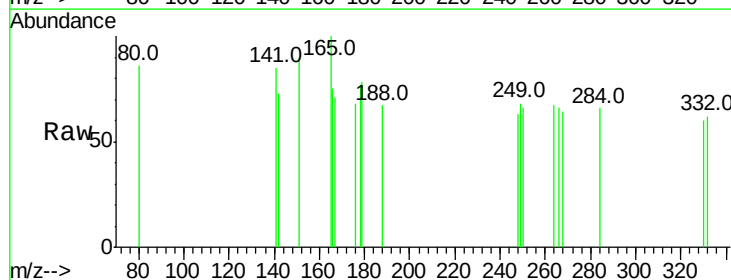
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 102.1 72.5 108.7

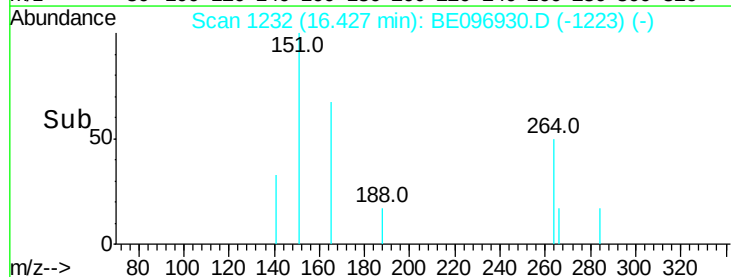
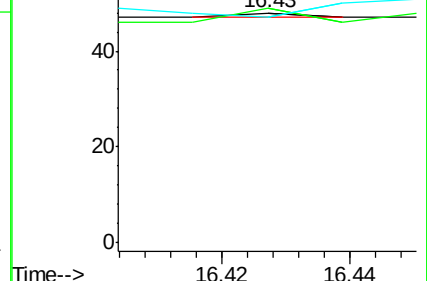
268 97.9 73.8 110.6

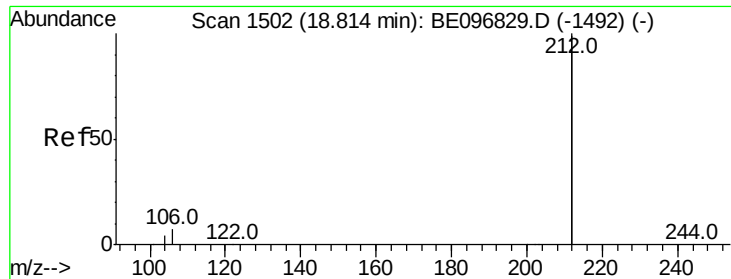


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.094 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096930.D

Acq: 14 Jul 2018 8:07

Instrument :

BNA_E

ClientSampleId :

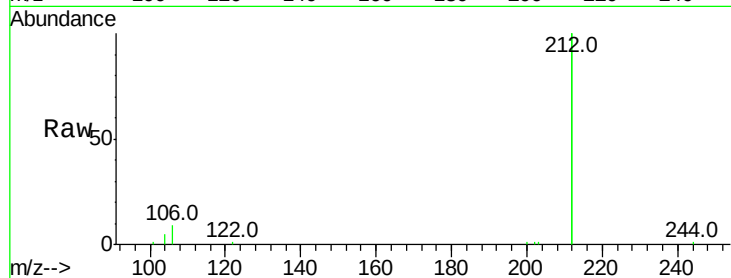
Tot Ion:212 Resp: 12662

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

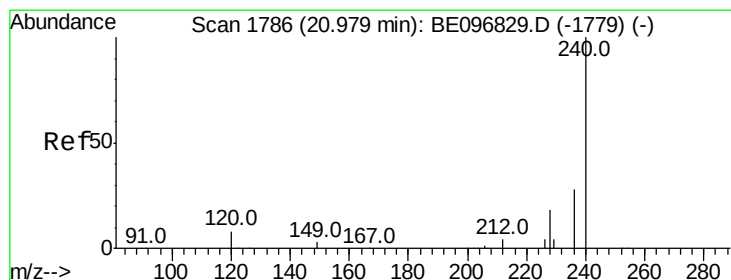
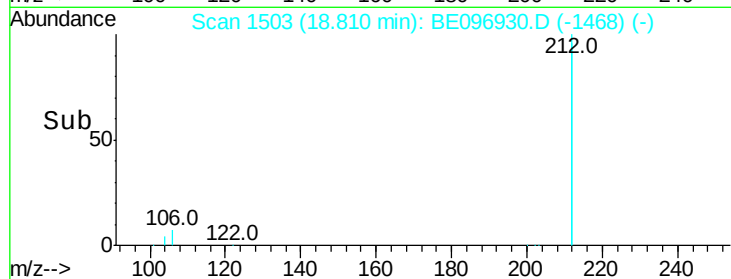
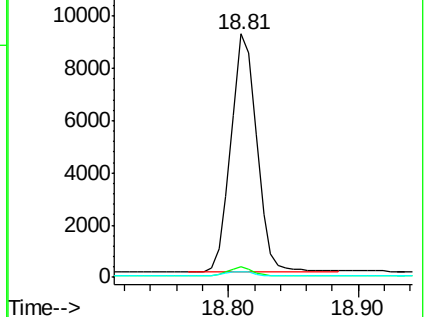
104 2.0 1.6 2.4



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# 1788

Delta R.T. 0.00 min

Lab File: BE096930.D

Acq: 14 Jul 2018 8:07

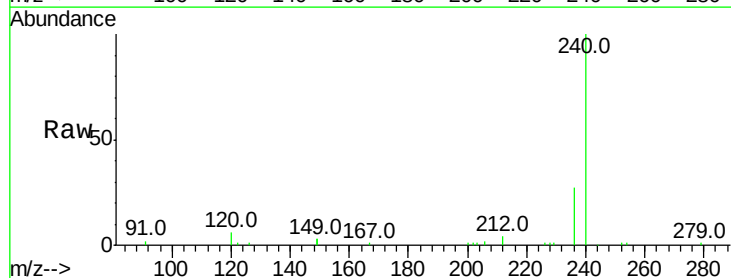
Tgt Ion:240 Resp: 13443

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

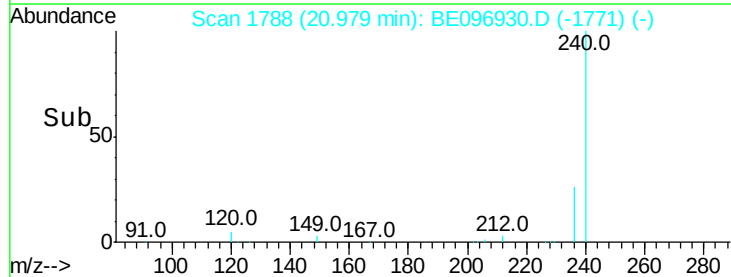
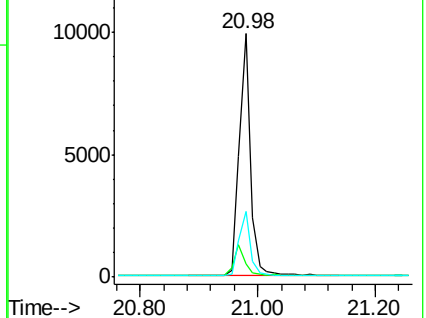
236 26.8 20.7 31.1

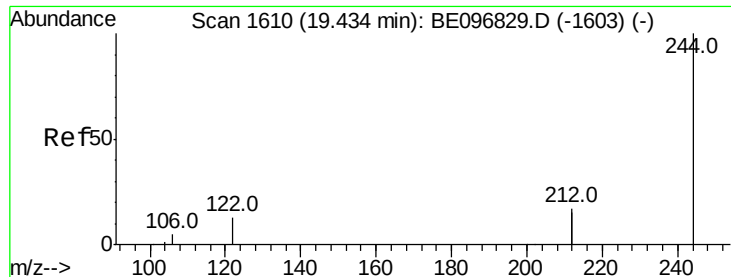


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

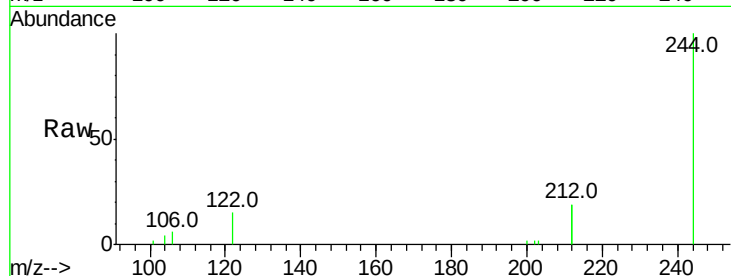




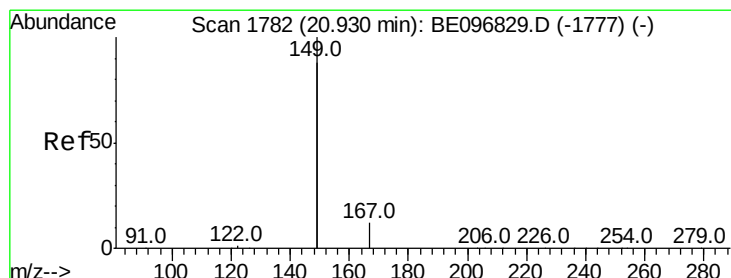
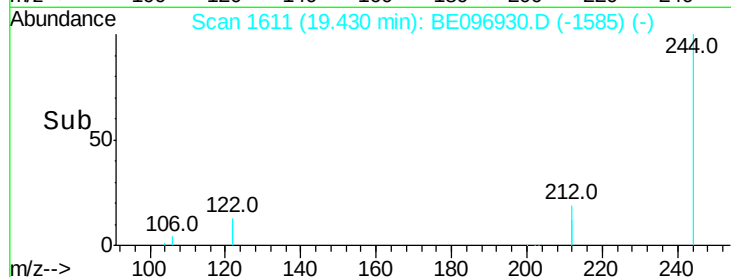
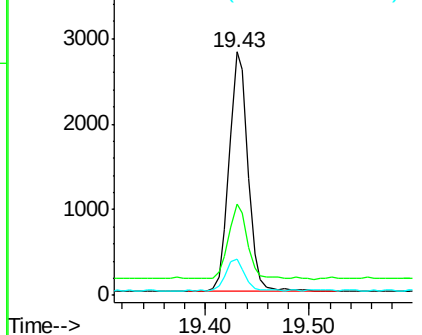
#29
 Terphenyl-d14
 Concen: 0.136 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE096930.D
 Acq: 14 Jul 2018 8:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 3523
 Ion Ratio Lower Upper
 244 100
 212 37.6 25.4 38.0
 122 14.9 8.1 12.1#

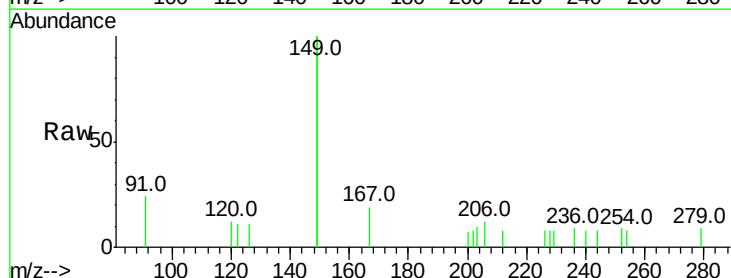


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

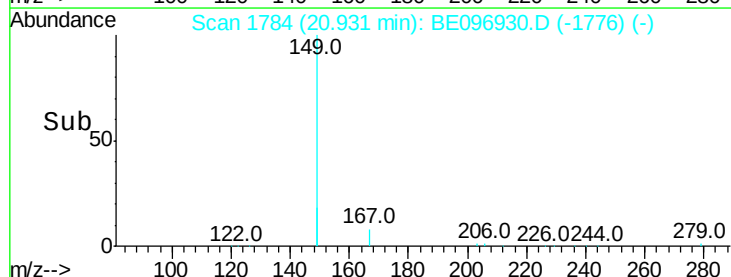
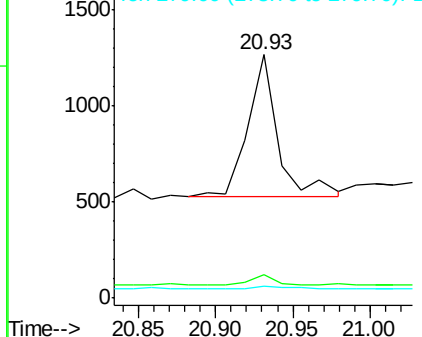


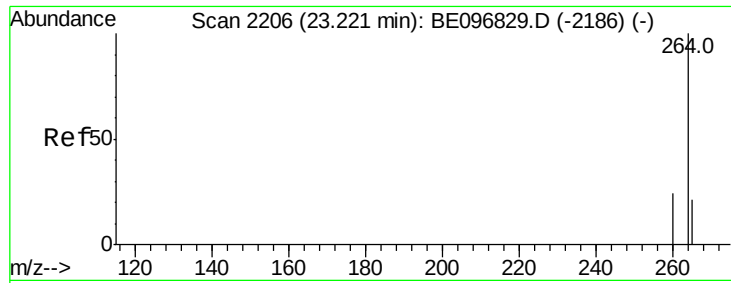
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.037 ng
 RT: 20.93 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BE096930.D
 Acq: 14 Jul 2018 8:07

Tgt Ion:149 Resp: 975
 Ion Ratio Lower Upper
 149 100
 167 6.4 5.4 8.0
 279 2.6 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

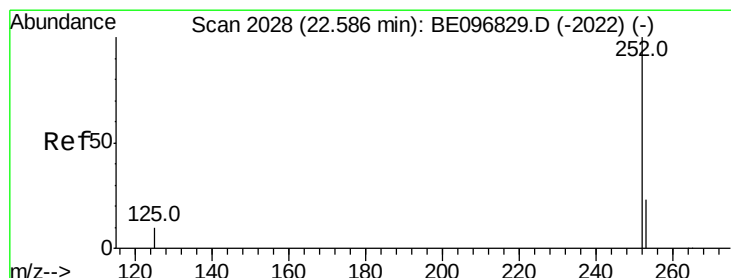
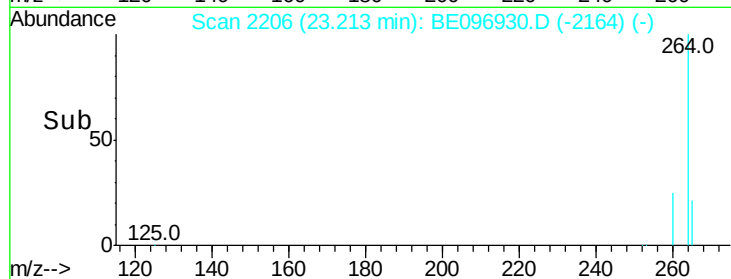
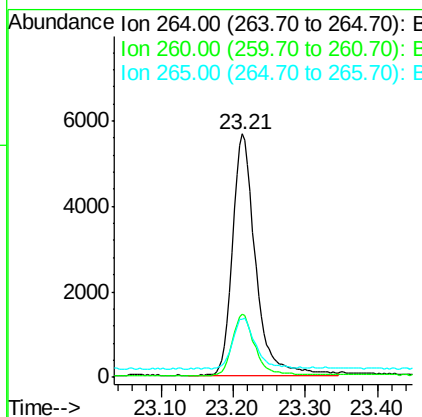
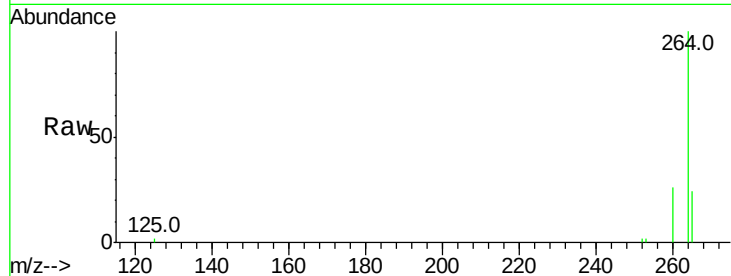




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE096930.D
Acq: 14 Jul 2018 8:07

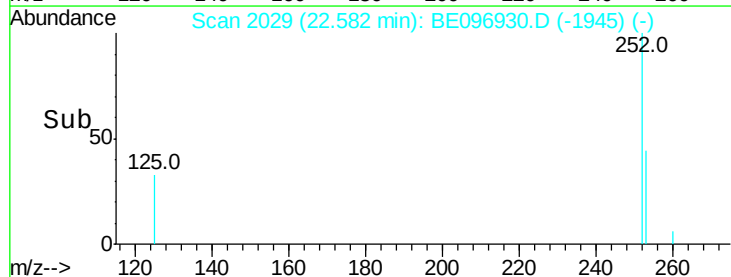
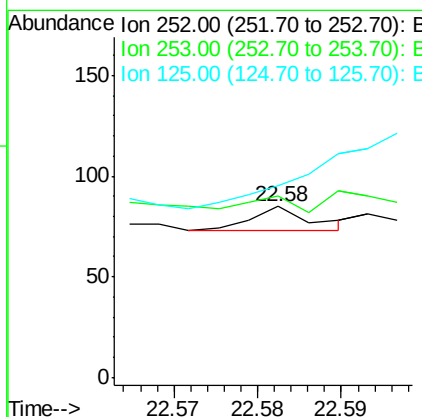
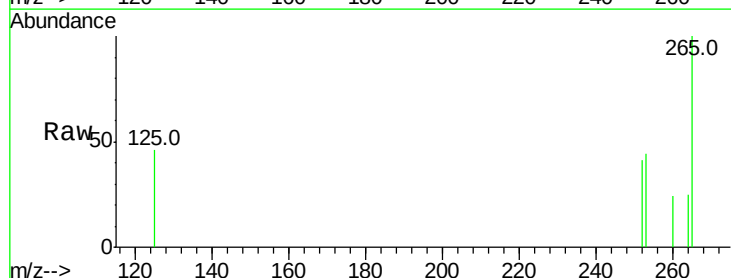
Instrument :
BNA_E
ClientSampleId :

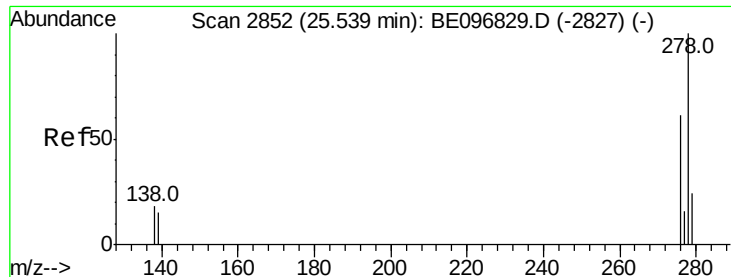
Tot Ion:264 Resp: 12239
Ion Ratio Lower Upper
264 100
260 25.8 20.5 30.7
265 23.9 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.083 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE096930.D
Acq: 14 Jul 2018 8:07

Tgt Ion:252 Resp: 6
Ion Ratio Lower Upper
252 100
253 105.9 16.0 24.0#
125 111.8 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.52 min Scan# 2848

Delta R.T. -0.01 min

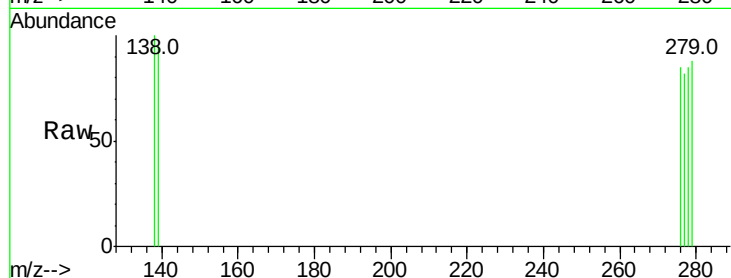
Lab File: BE096930.D

Acq: 14 Jul 2018 8:07

Instrument :

BNA_E

ClientSampleId :



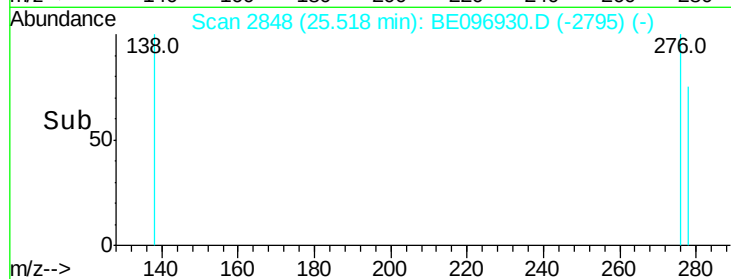
Tot Ion:278 Resp: 8

Ion Ratio Lower Upper

278 100

139 111.8 16.0 24.0#

279 103.9 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

