

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096921.D
 Acq On : 14 Jul 2018 2:33
 Operator : SJ/JU
 Sample : J3921-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 14 03:52:26 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	7.39	152	2285	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11413	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6436	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	17601	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15979	0.40	ng	0.00
34) Perylene-d12	23.21	264	16313	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1151	0.23	ng	0.00
5) Phenol-d6	6.59	99	996	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	3868	0.56	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7318	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	884	0.56	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	13256	0.56	ng	0.00
25) Fluoranthene-d10	18.81	212	78867	0.51	ng	0.00
29) Terphenyl-d14	19.43	244	20423	0.66	ng	0.00

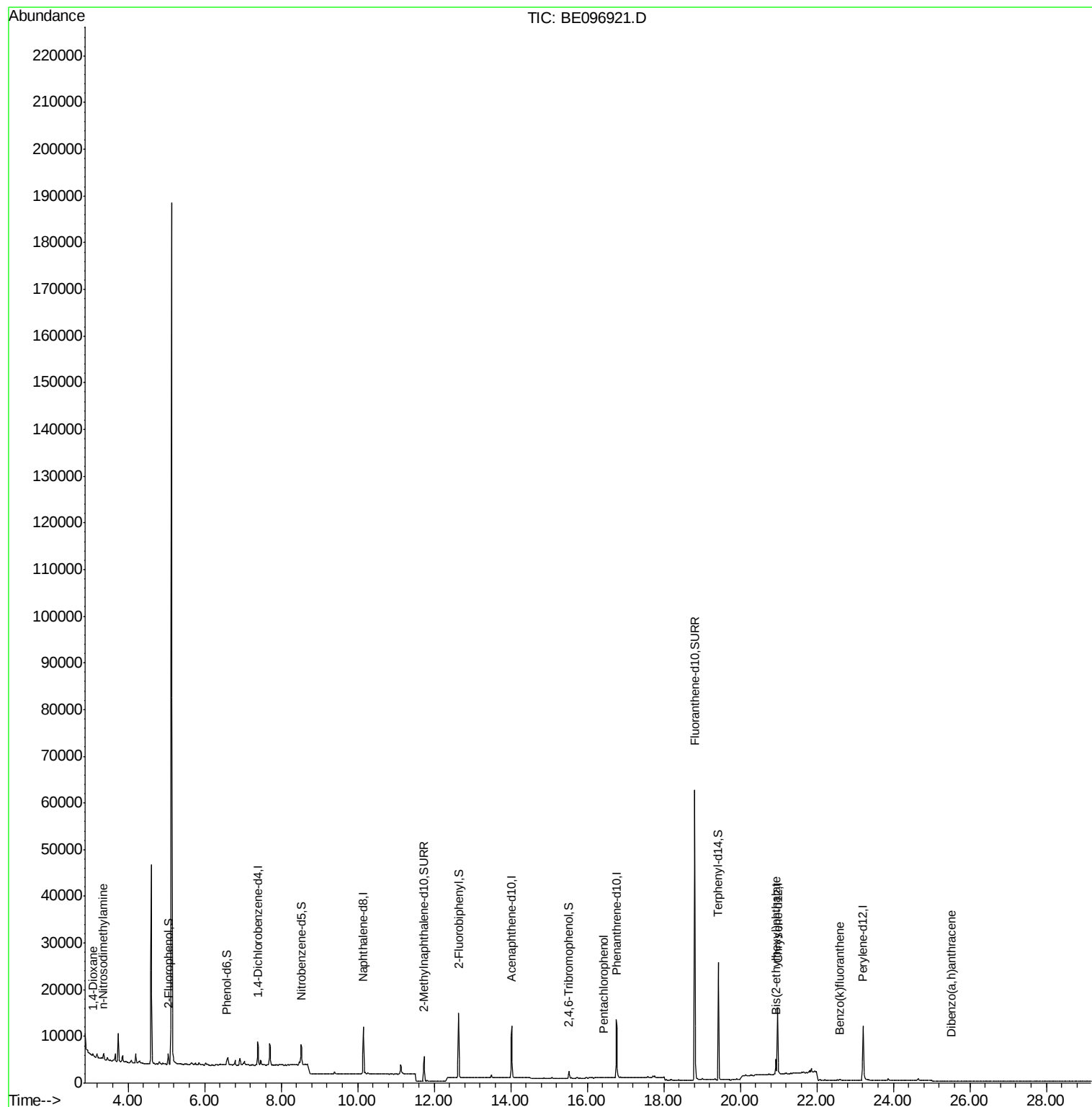
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	127	0.037	ng	# 1
3) n-Nitrosodimethylamine	3.35	42	214	0.059	ng	# 1
22) Pentachlorophenol	16.44	266	17	0.048	ng	94
32) Bis(2-ethylhexyl)phthalate	20.93	149	3975	0.125	ng	98
36) Benzo(k)fluoranthene	22.58	252	156	0.086	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	26	0.110	ng	# 1

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

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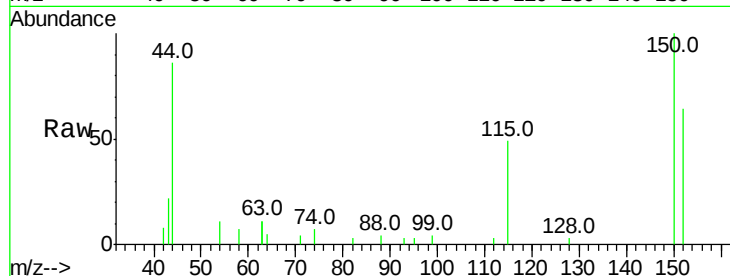


#1

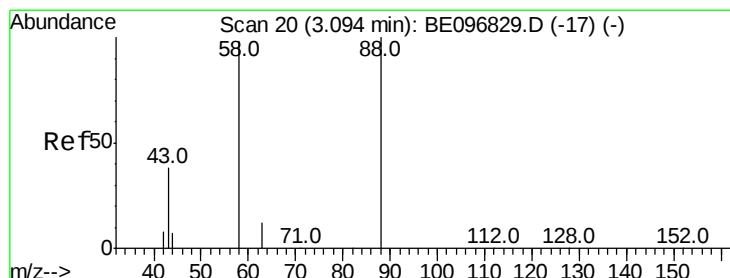
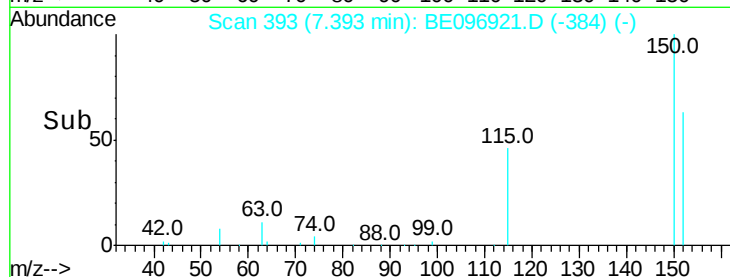
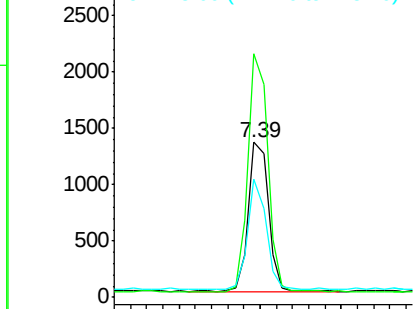
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE096921.D
Acq: 14 Jul 2018 2:33

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2285
Ion Ratio Lower Upper
152 100
150 157.0 117.2 175.8
115 76.2 57.0 85.6



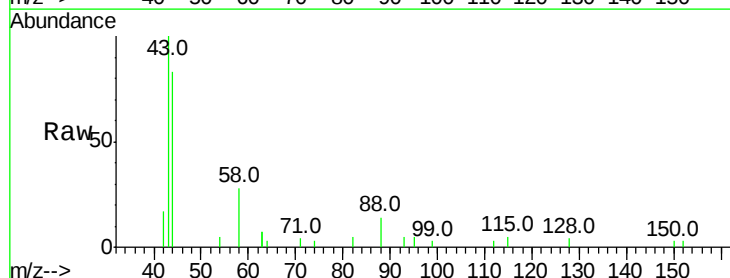
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



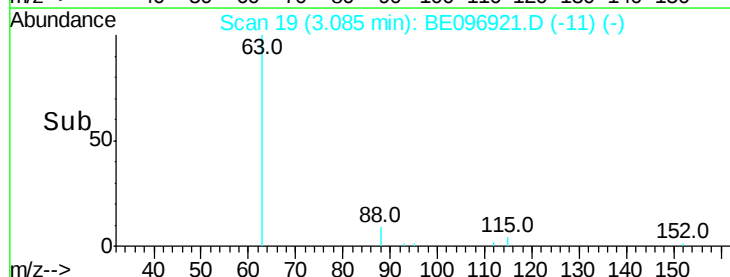
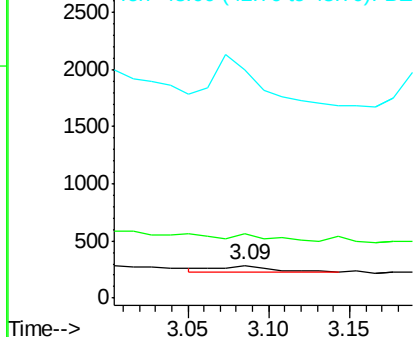
#2

1,4-Dioxane
Concen: 0.037 ng
RT: 3.09 min Scan# 19
Delta R.T. -0.01 min
Lab File: BE096921.D
Acq: 14 Jul 2018 2:33

Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 670.1 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: 0.059 ng

RT: 3.35 min Scan# 42

Delta R.T. -0.03 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

Instrument :

BNA_E

ClientSampleId :

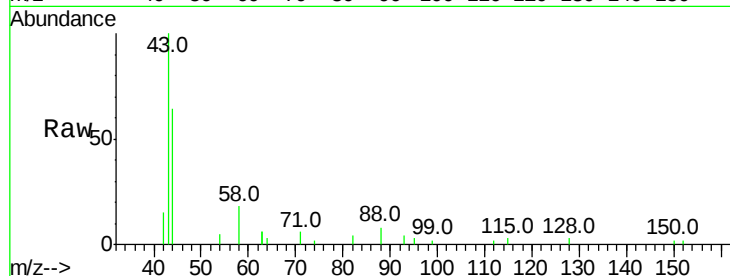
Tot Ion: 42 Resp: 214

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

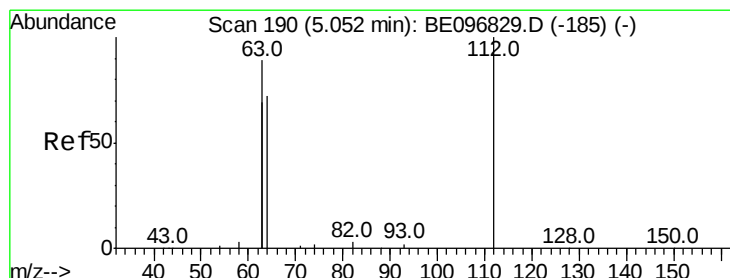
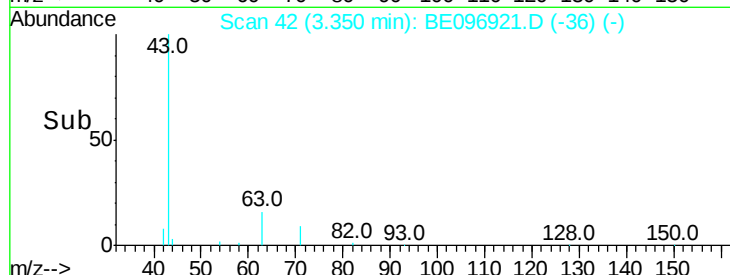
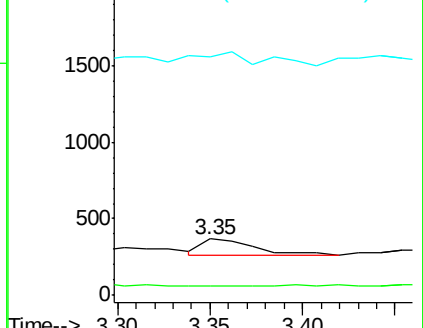
44 95.3 12.0 18.0#



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: 0.225 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

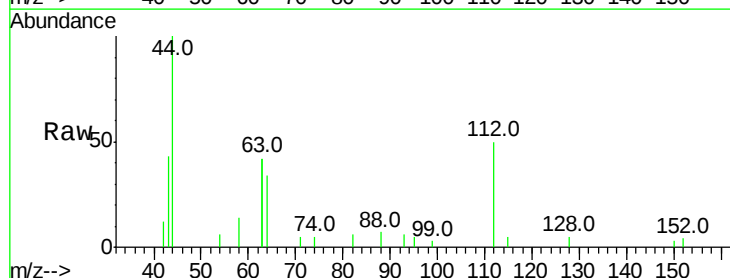
Tgt Ion: 112 Resp: 1151

Ion Ratio Lower Upper

112 100

64 65.4 60.1 90.1

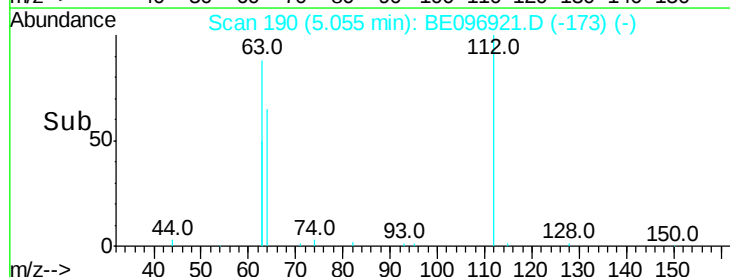
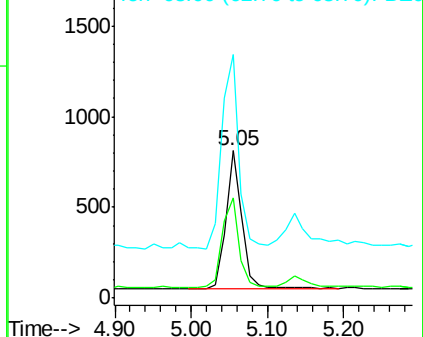
63 0.0 116.8 175.2#

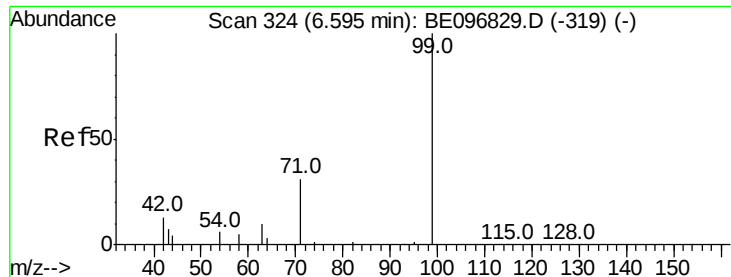


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.131 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

Instrument :

BNA_E

ClientSampleId :

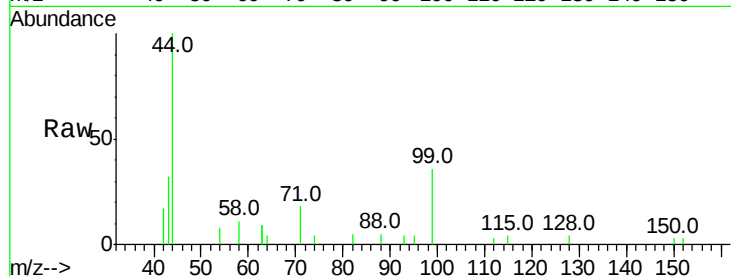
Tot Ion: 99 Resp: 996

Ion Ratio Lower Upper

99 100

42 28.2 20.2 30.2

71 39.9 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

6.59

600

400

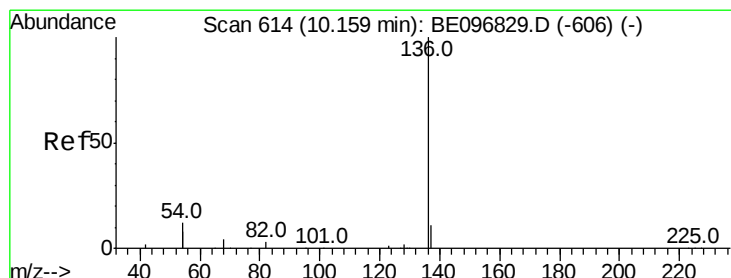
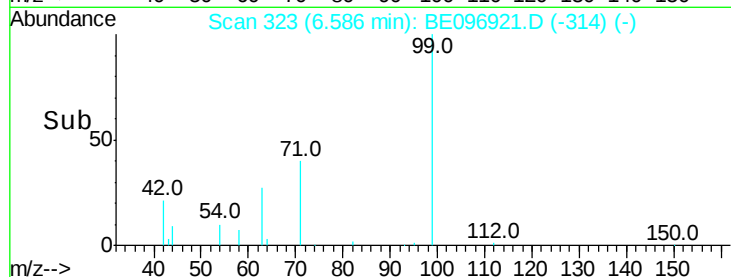
200

0

6.50

6.60

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

Tgt Ion: 136 Resp: 11413

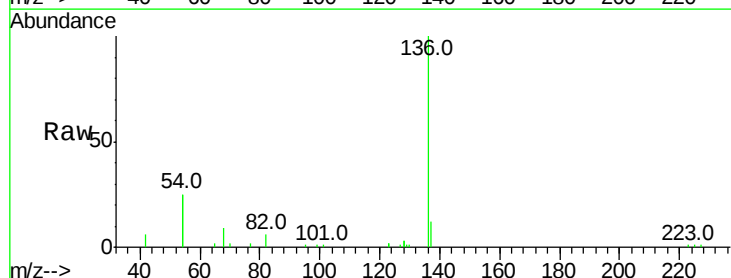
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 50.5 29.1 43.7#

68 9.4 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

10.15

8000

6000

4000

2000

0

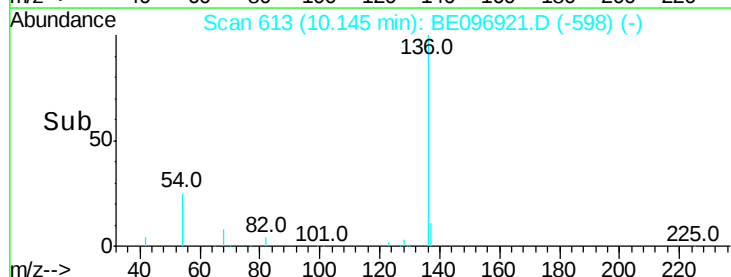
10.00

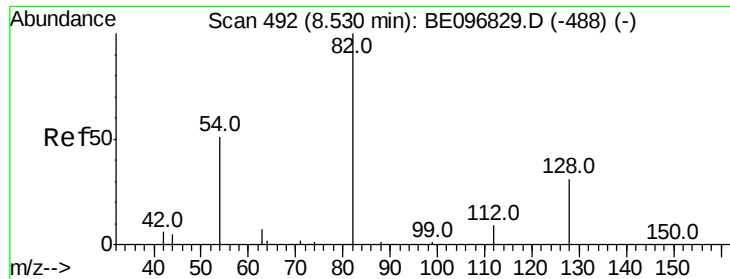
10.10

10.20

10.30

Time-->





#8

Nitrobenzene-d5

Concen: 0.560 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

Instrument :

BNA_E

ClientSampleId :

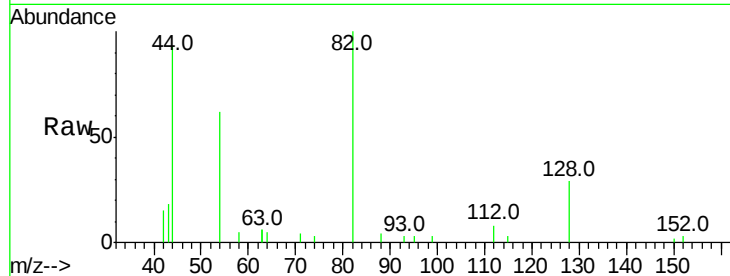
Tot Ion: 82 Resp: 3868

Ion Ratio Lower Upper

82 100

128 29.0 24.0 36.0

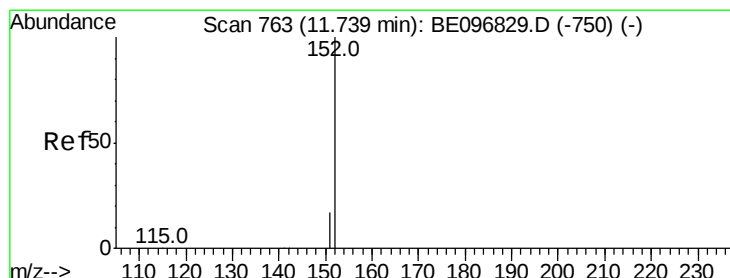
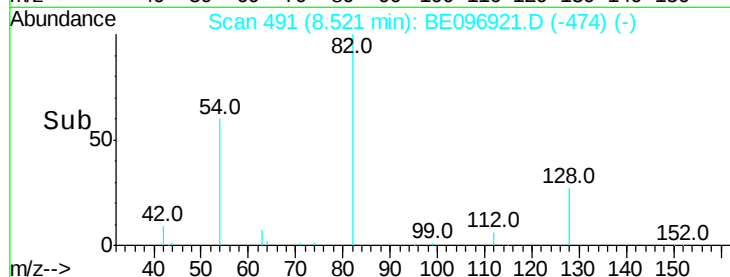
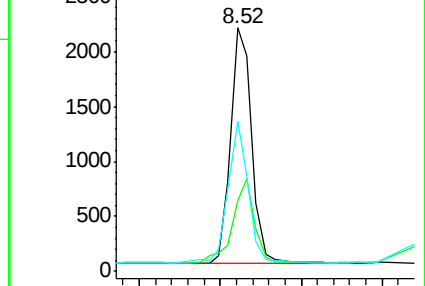
54 61.8 40.0 60.0#



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



#11

2-Methylnaphthalene-d10

Concen: 0.446 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096921.D

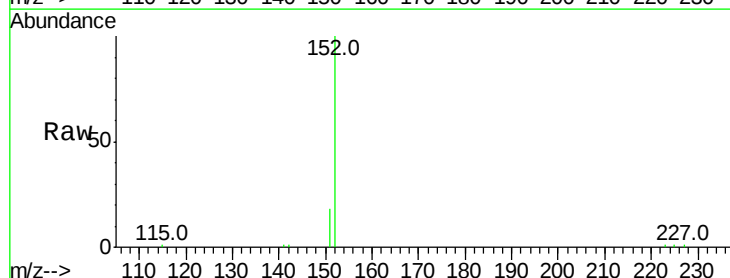
Acq: 14 Jul 2018 2:33

Tgt Ion: 152 Resp: 7318

Ion Ratio Lower Upper

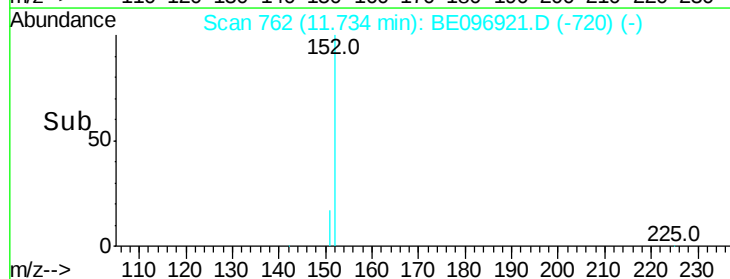
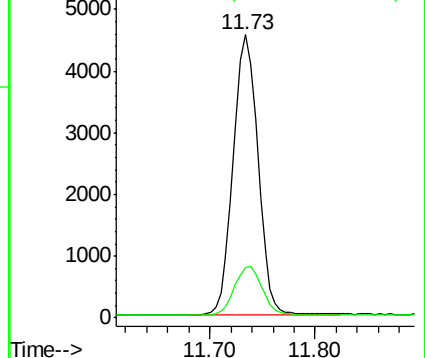
152 100

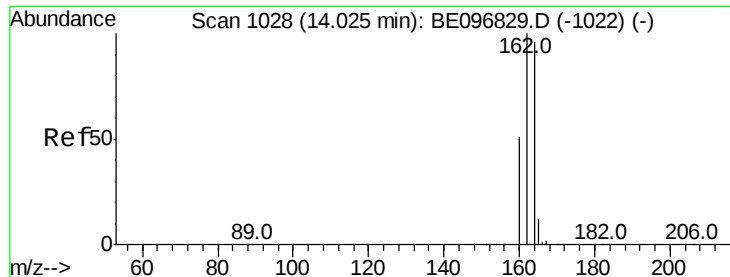
151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

Instrument :

BNA_E

ClientSampleId :

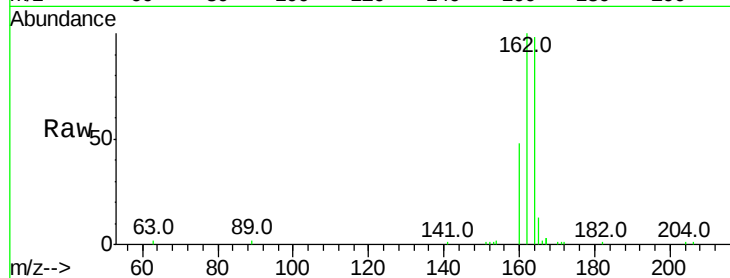
Tot Ion:164 Resp: 6436

Ion Ratio Lower Upper

164 100

162 101.8 83.1 124.7

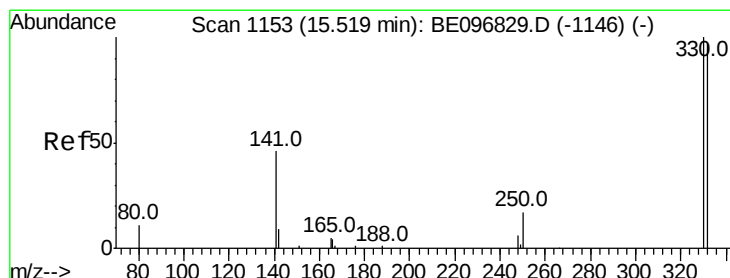
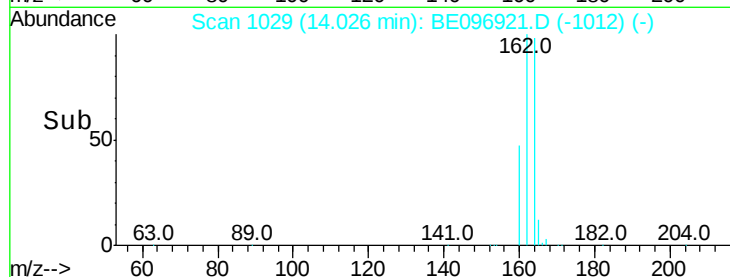
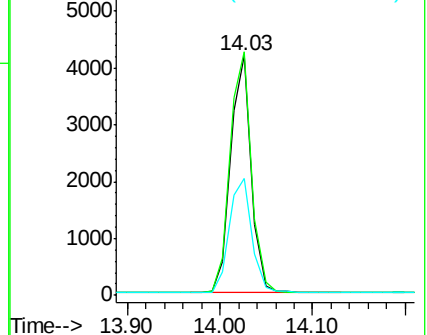
160 48.8 37.1 55.7



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: 0.556 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

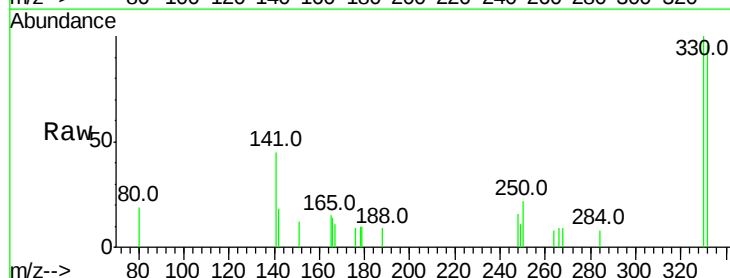
Tgt Ion:330 Resp: 884

Ion Ratio Lower Upper

330 100

332 92.2 152.7 229.1#

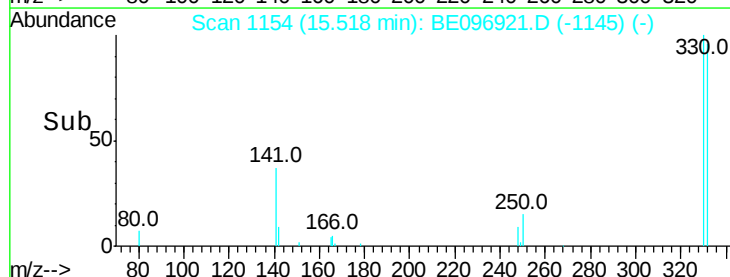
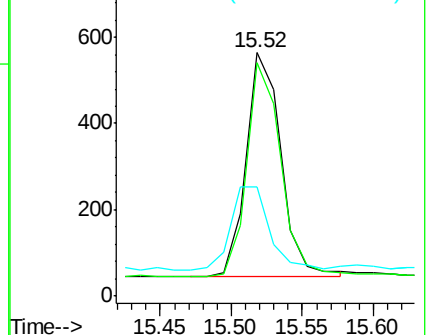
141 41.2 33.7 50.5

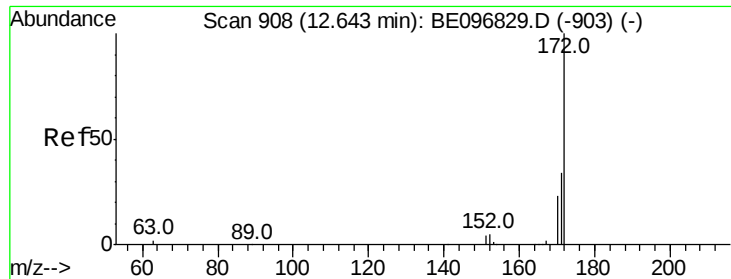


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

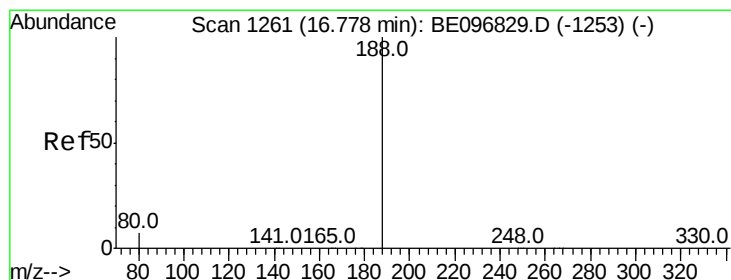
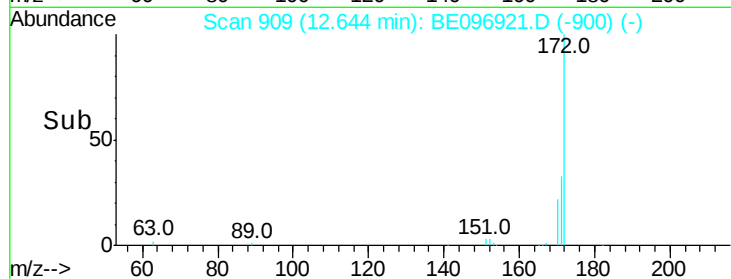
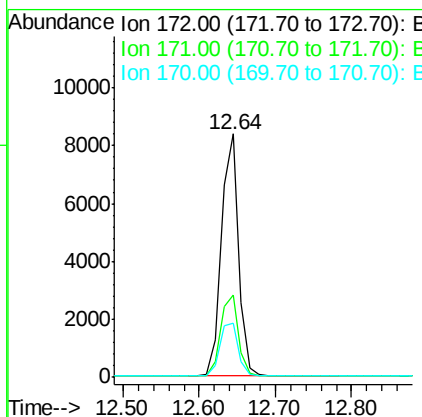
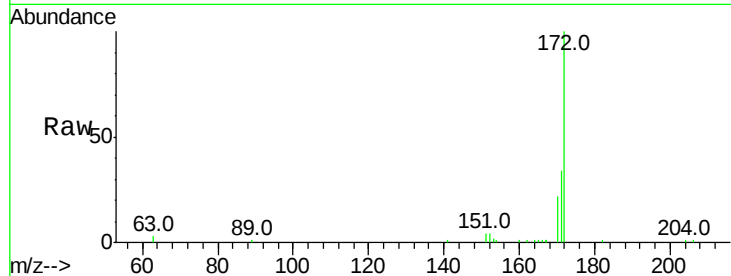




#15
2-Fluorobiphenyl
Concen: 0.563 ng
RT: 12.64 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE096921.D
Acq: 14 Jul 2018 2:33

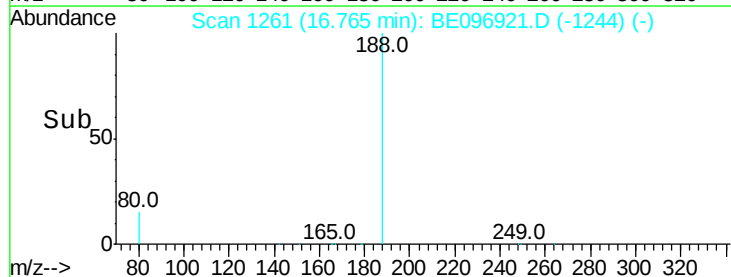
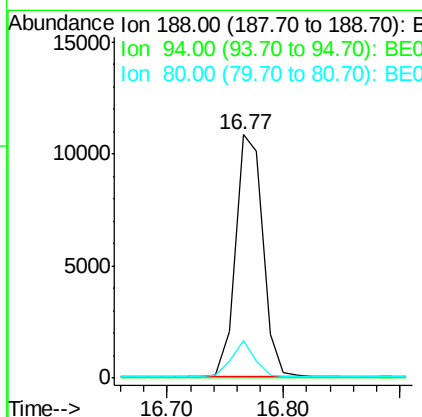
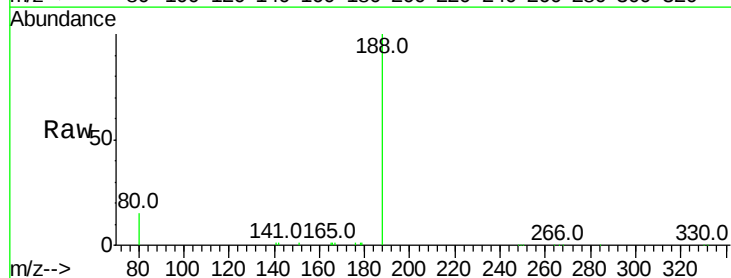
Instrument :
BNA_E
ClientSampled :

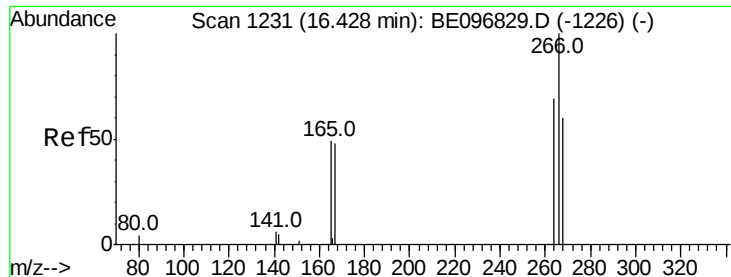
Tot Ion:172 Resp: 13256
Ion Ratio Lower Upper
172 100
171 33.7 29.9 44.9
170 22.2 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE096921.D
Acq: 14 Jul 2018 2:33

Tgt Ion:188 Resp: 17601
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.4 3.6 5.4#

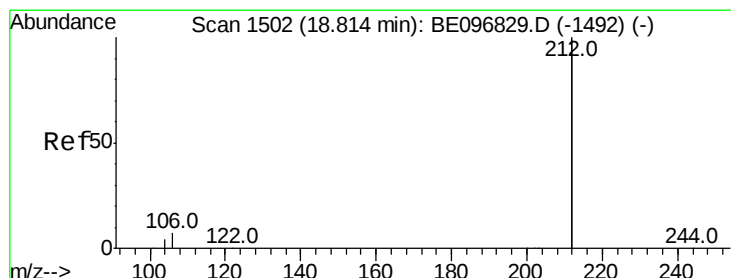
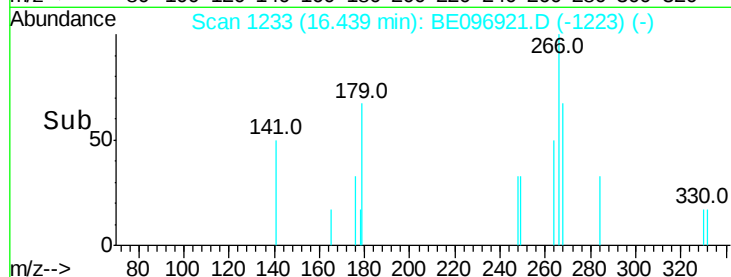
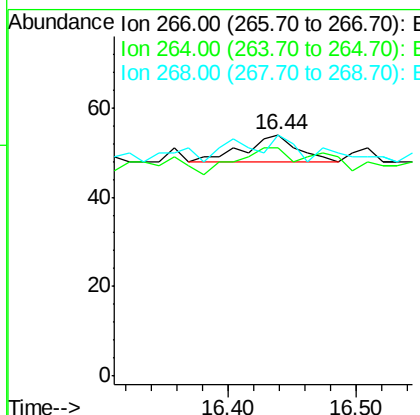
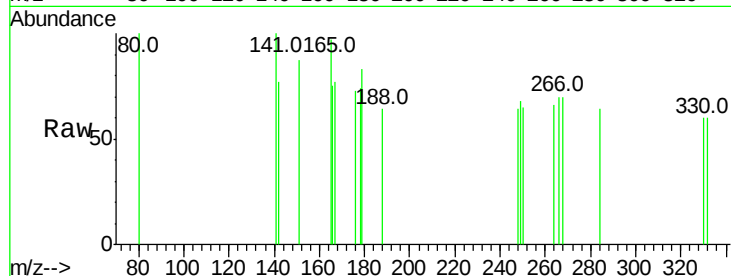




#22
 Pentachlorophenol
 Concen: 0.048 ng
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE096921.D
 Acq: 14 Jul 2018 2:33

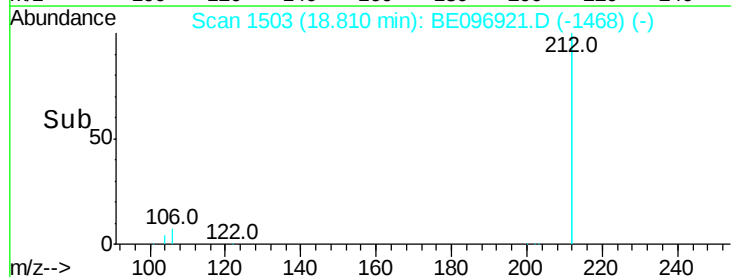
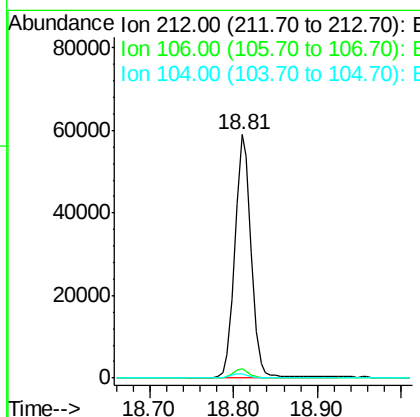
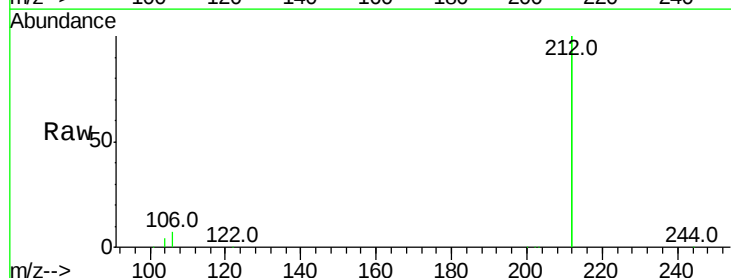
Instrument :
 BNA_E
 ClientSampled :

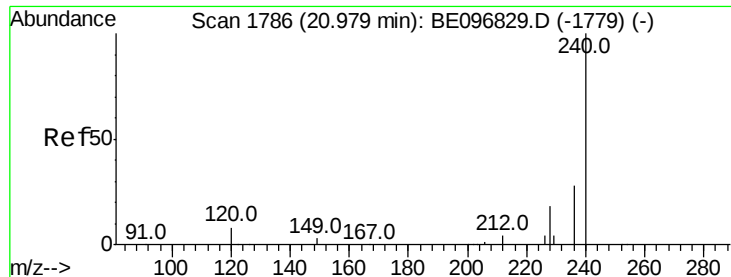
Tot Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 94.4 72.5 108.7
 268 100.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.509 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: BE096921.D
 Acq: 14 Jul 2018 2:33

Tgt Ion:212 Resp: 78867
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 1.9 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: BE096921.D

Acq: 14 Jul 2018 2:33

Instrument :

BNA_E

ClientSampleId :

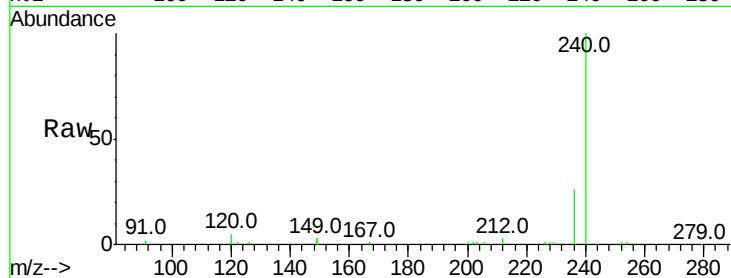
Tot Ion:240 Resp: 15979

Ion Ratio Lower Upper

240 100

120 4.8 5.5 8.3#

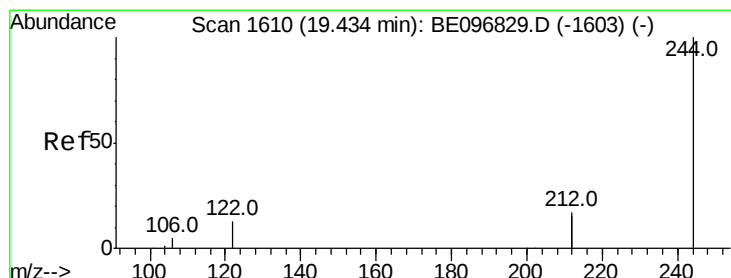
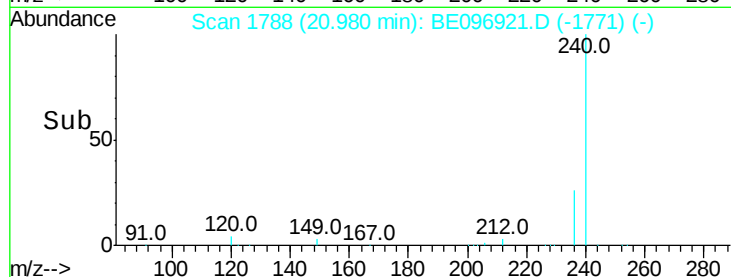
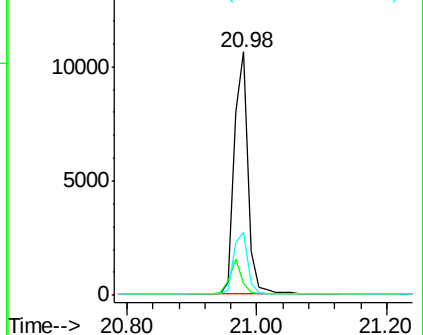
236 26.0 20.7 31.1



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: 0.662 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

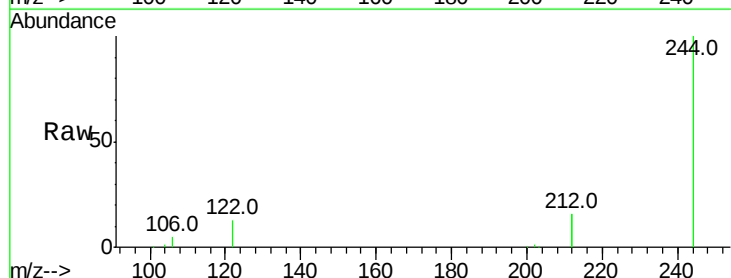
Tgt Ion:244 Resp: 20423

Ion Ratio Lower Upper

244 100

212 32.2 25.4 38.0

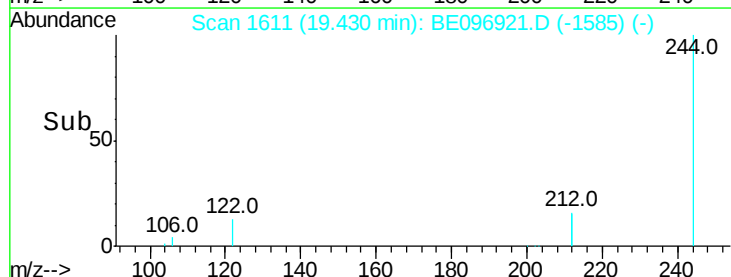
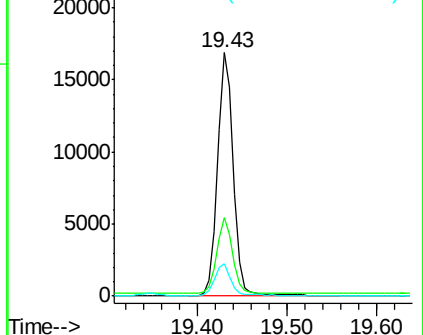
122 13.1 8.1 12.1#

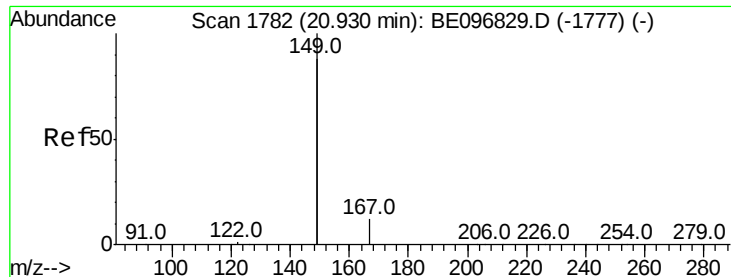


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.125 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

Instrument :

BNA_E

ClientSampleId :

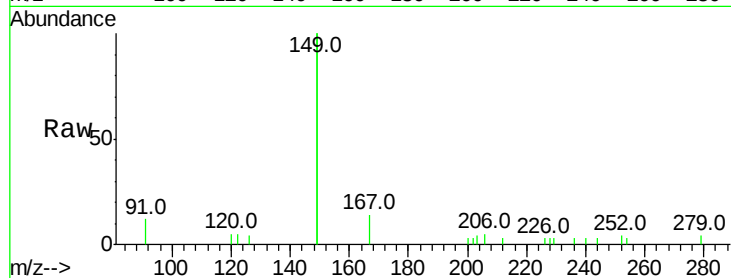
Tot Ion:149 Resp: 3975

Ion Ratio Lower Upper

149 100

167 6.1 5.4 8.0

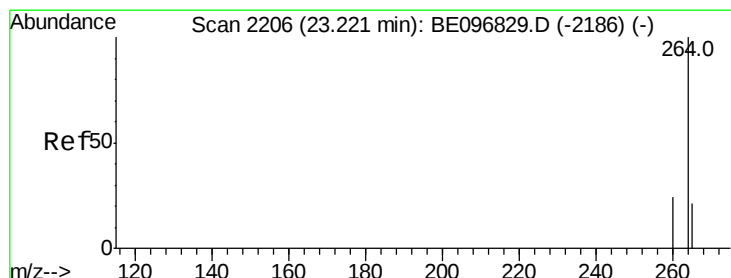
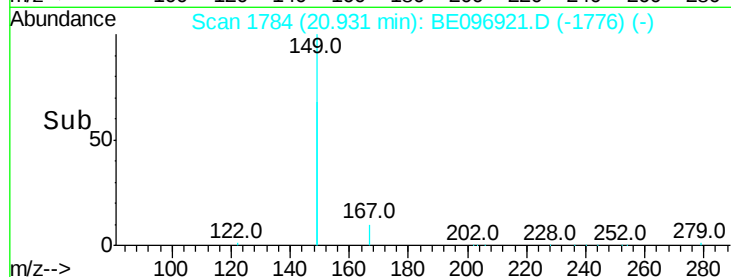
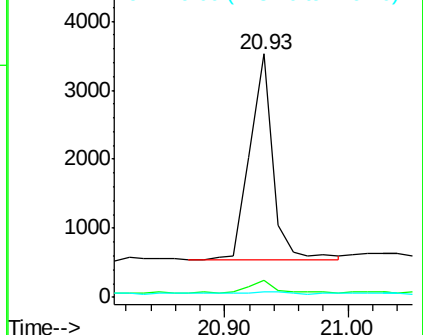
279 1.0 0.7 1.1



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

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

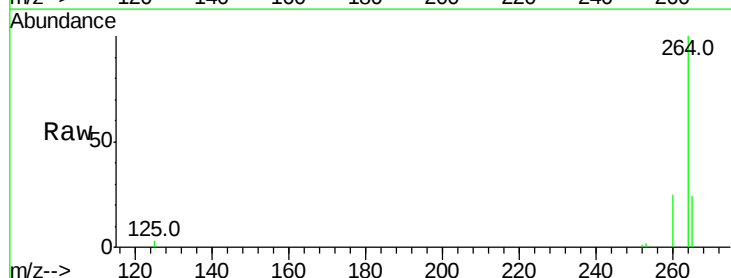
Tgt Ion:264 Resp: 16313

Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

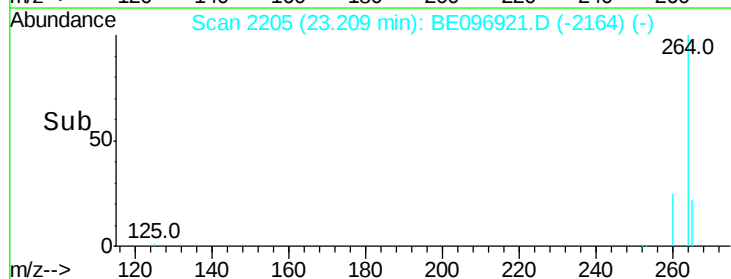
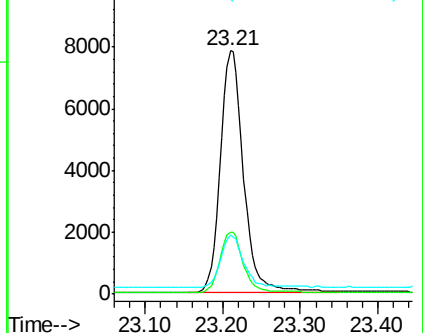
265 24.3 22.8 34.2

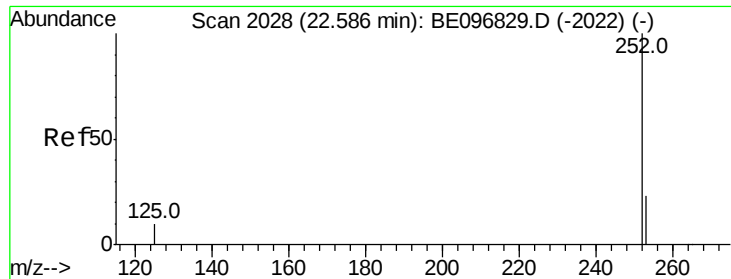


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#36

Benzo(k)fluoranthene

Concen: 0.086 ng

RT: 22.58 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

Instrument :

BNA_E

ClientSampleId :

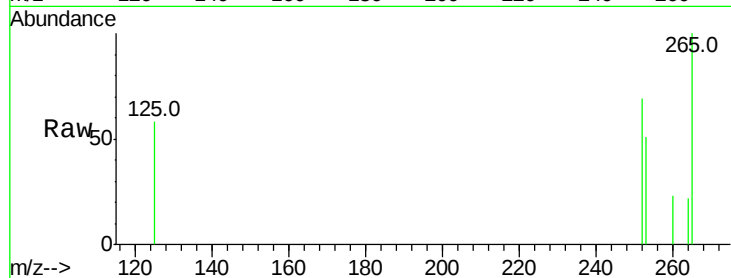
Tot Ion:252 Resp: 156

Ion Ratio Lower Upper

252 100

253 74.2 16.0 24.0#

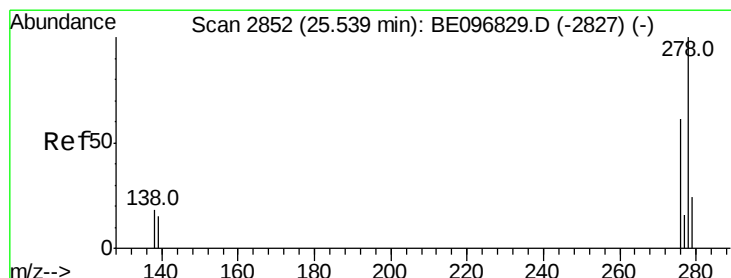
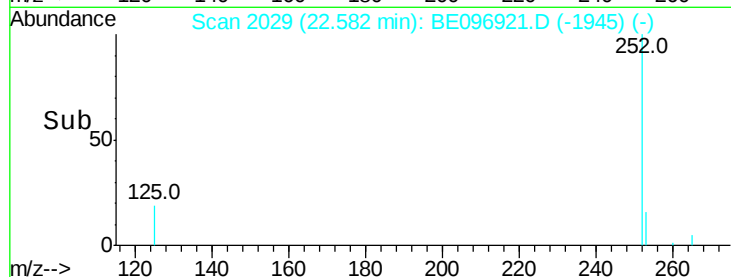
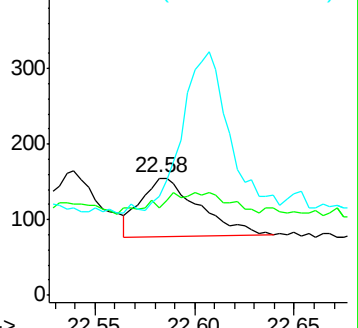
125 84.5 8.0 12.0#



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: 0.110 ng

RT: 25.52 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BE096921.D

Acq: 14 Jul 2018 2:33

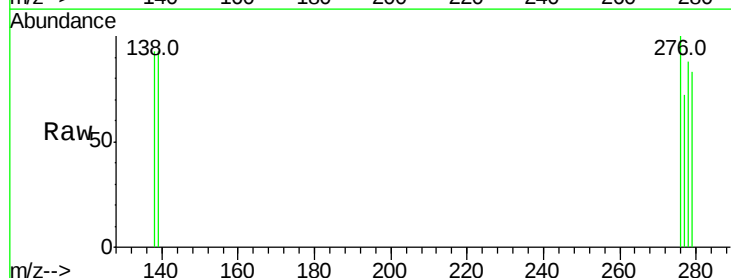
Tgt Ion:278 Resp: 26

Ion Ratio Lower Upper

278 100

139 105.6 16.0 24.0#

279 94.4 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

