

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096928.D
 Acq On : 14 Jul 2018 6:52
 Operator : SJ/JU
 Sample : J3170-07DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 16 00:18:41 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	2227	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11779	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6616	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	16176	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13248	0.40	ng	0.00
34) Perylene-d12	23.21	264	13297	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	225	0.05	ng	0.00
5) Phenol-d6	6.59	99	176	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	739	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1503	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	132	0.22	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	2250	0.09	ng	0.00
25) Fluoranthene-d10	18.81	212	12538	0.09	ng	0.00
29) Terphenyl-d14	19.43	244	3222	0.13	ng	0.00

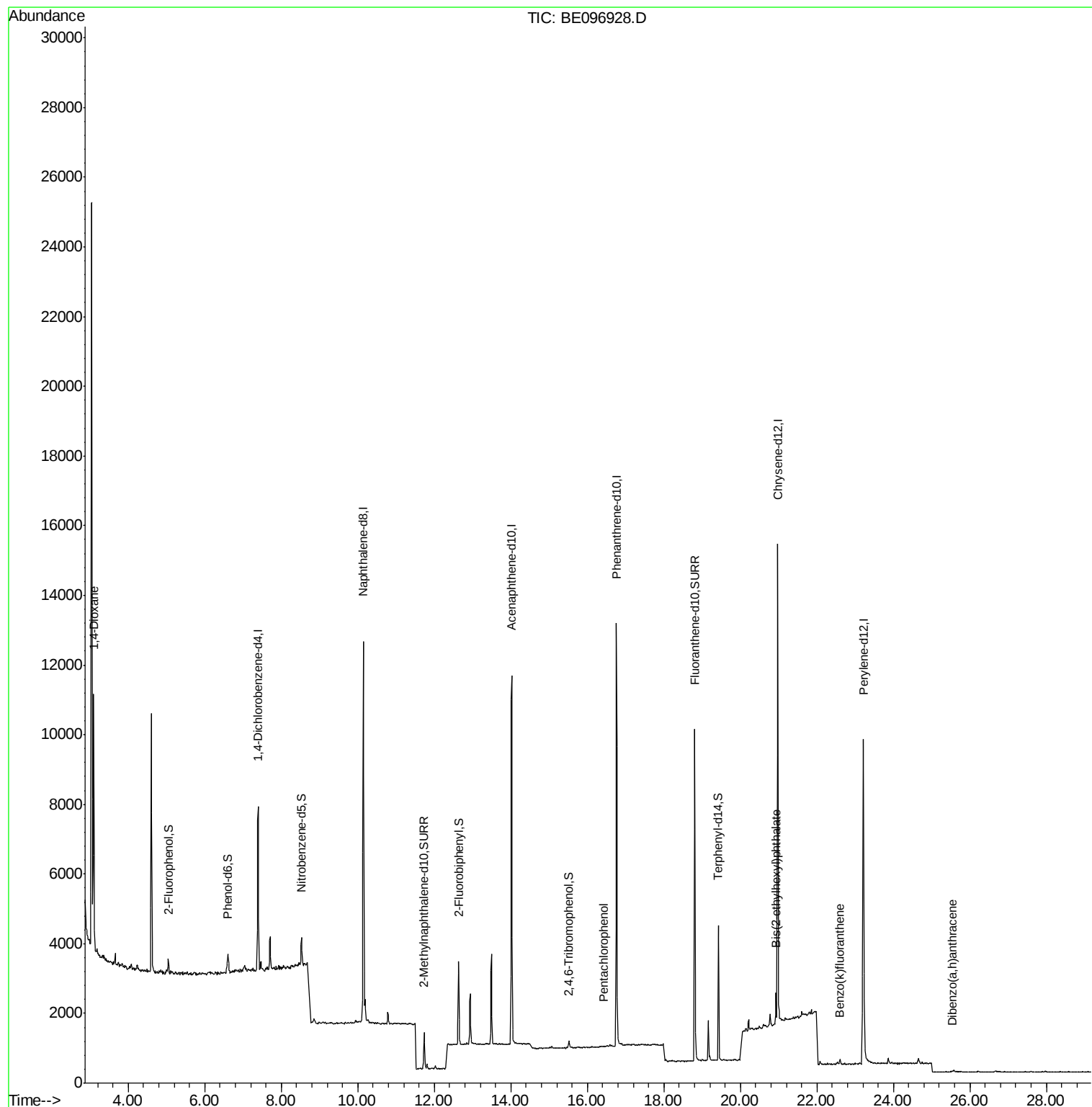
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	3739	1.120	ng	# 91
22) Pentachlorophenol	16.43	266	6	0.040	ng	# 94
32) Bis(2-ethylhexyl)phthalate	20.93	149	1051	0.040	ng	# 96
36) Benzo(k)fluoranthene	22.58	252	62	0.085	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	20	0.110	ng	# 1

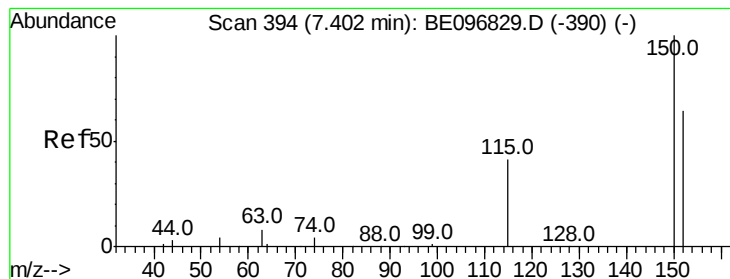
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampleId :

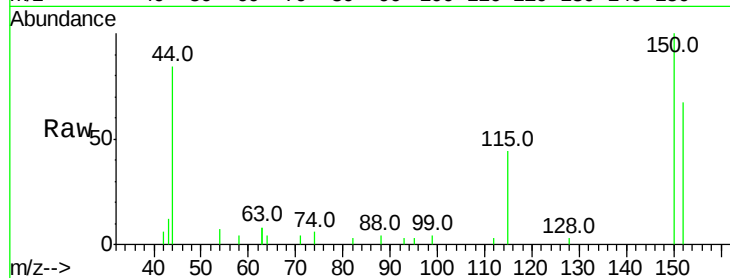
Tot Ion:152 Resp: 2227

Ion Ratio Lower Upper

152 100

150 148.6 117.2 175.8

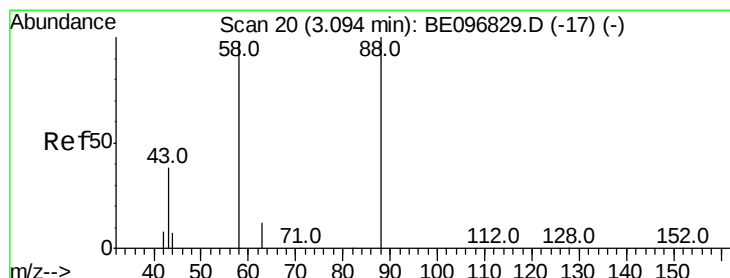
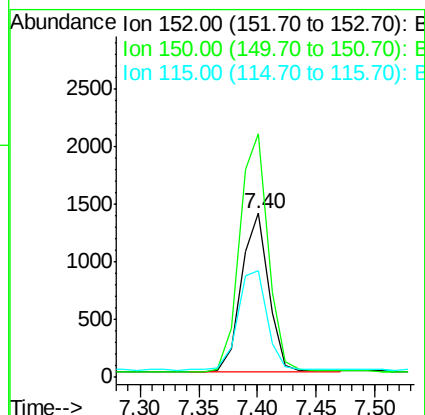
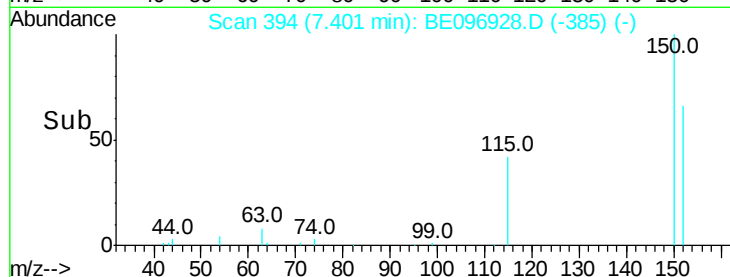
115 65.3 57.0 85.6



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: 1.120 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

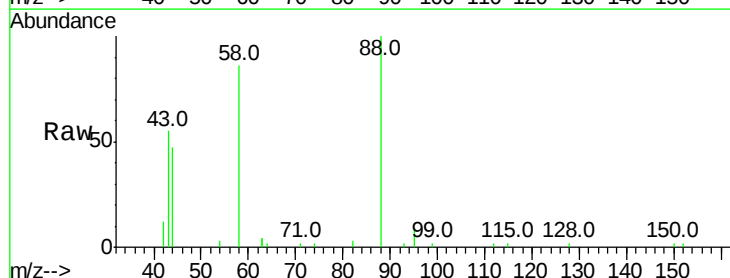
Tgt Ion: 88 Resp: 3739

Ion Ratio Lower Upper

88 100

58 81.4 63.2 94.8

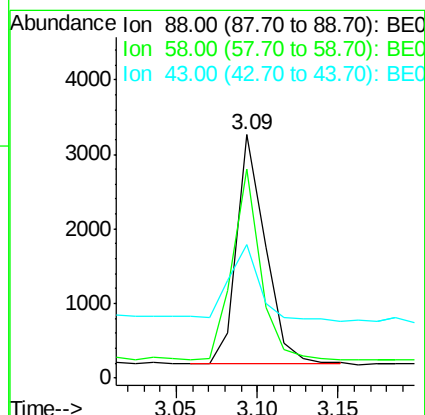
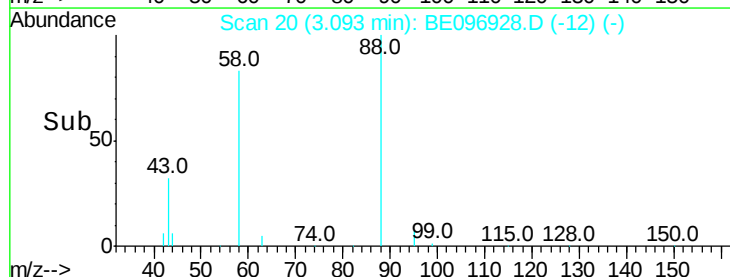
43 39.2 41.2 61.8#

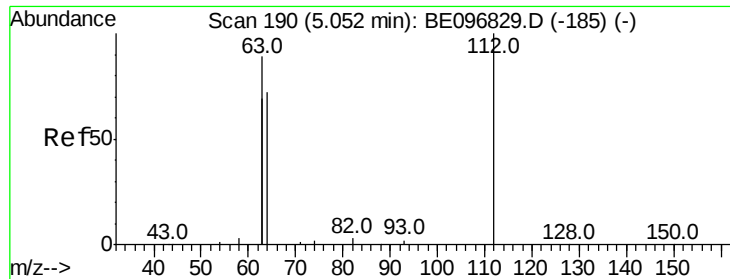


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.045 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampled :

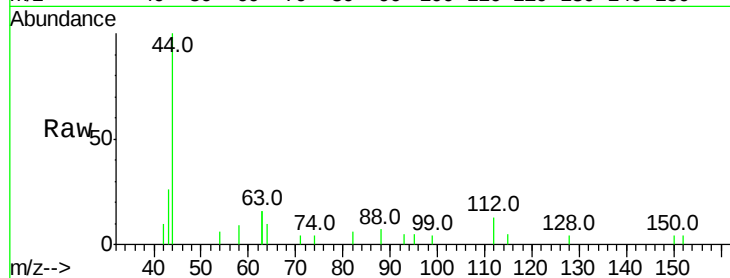
Tot Ion: 112 Resp: 225

Ion Ratio Lower Upper

112 100

64 64.9 60.1 90.1

63 139.6 116.8 175.2



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

500

400

300

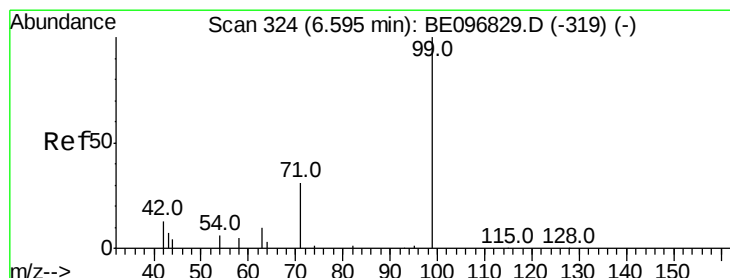
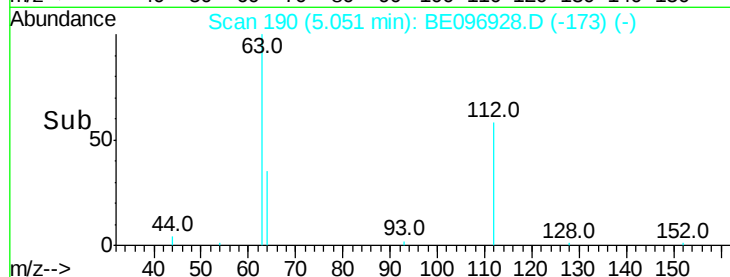
200

100

0

5.00 5.10 5.20

Time-->



#5

Phenol-d6

Concen: 0.024 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

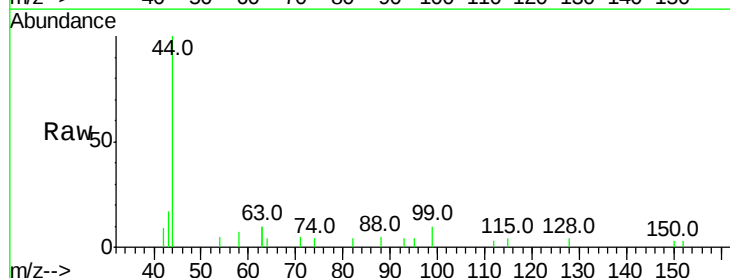
Tgt Ion: 99 Resp: 176

Ion Ratio Lower Upper

99 100

42 46.6 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

200

150

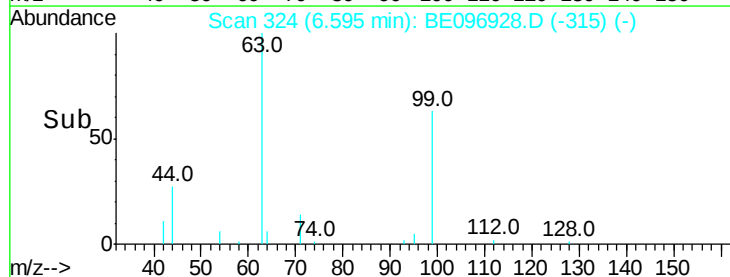
100

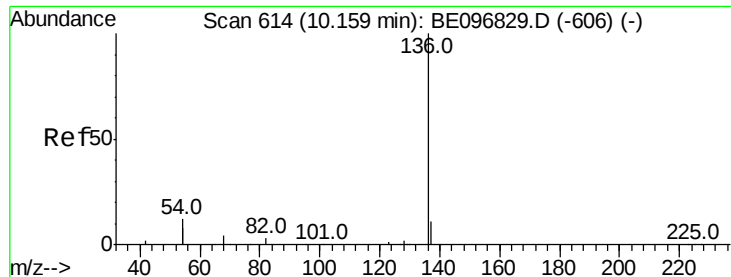
50

0

6.50 6.55 6.60 6.65

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11779

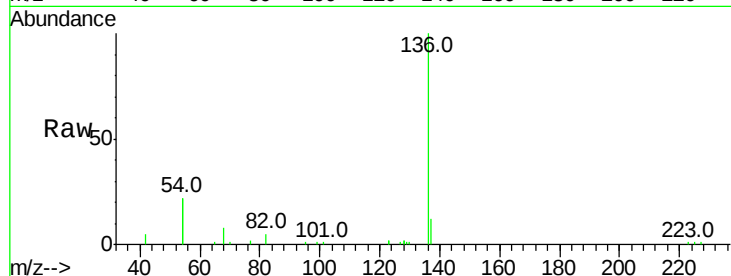
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 44.3 29.1 43.7#

68 8.4 6.2 9.2

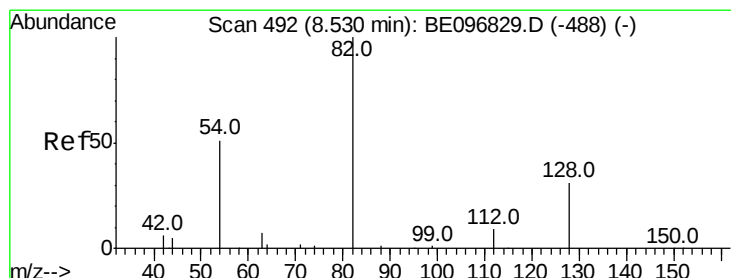
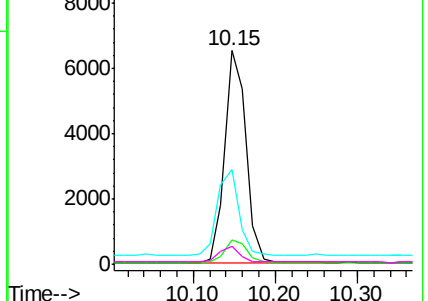
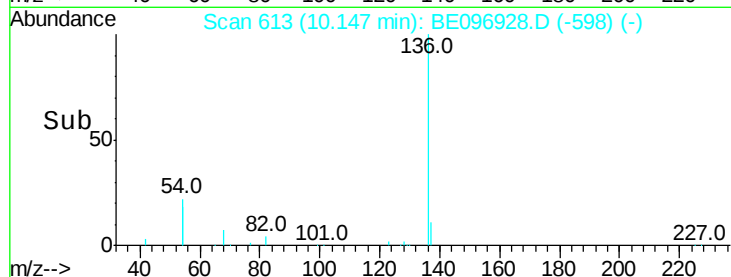


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.104 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

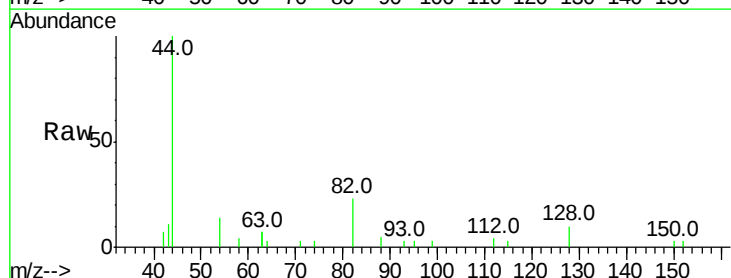
Tgt Ion: 82 Resp: 739

Ion Ratio Lower Upper

82 100

128 40.4 24.0 36.0#

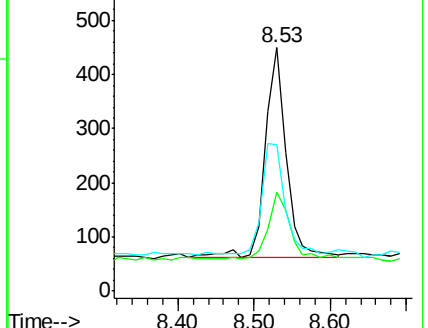
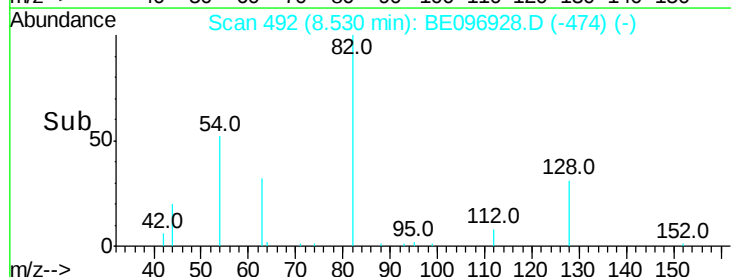
54 60.0 40.0 60.0#

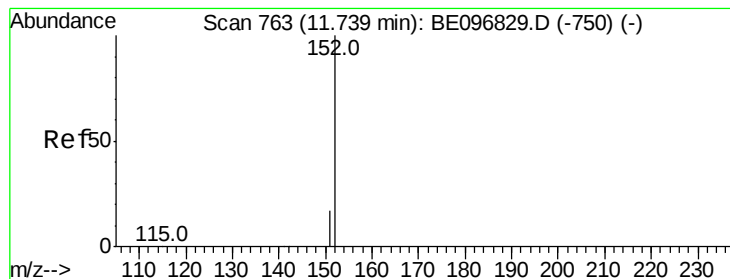


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.089 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

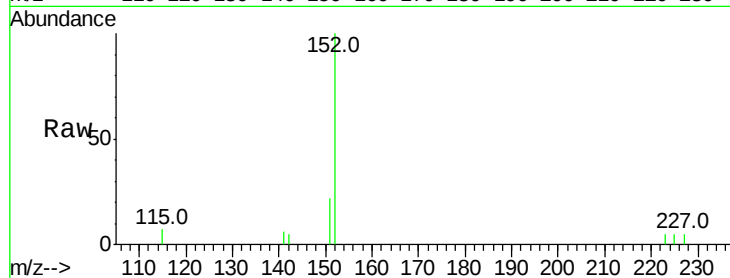
ClientSampleId :

Tot Ion:152 Resp: 1503

Ion Ratio Lower Upper

152 100

151 19.8 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

1000

800

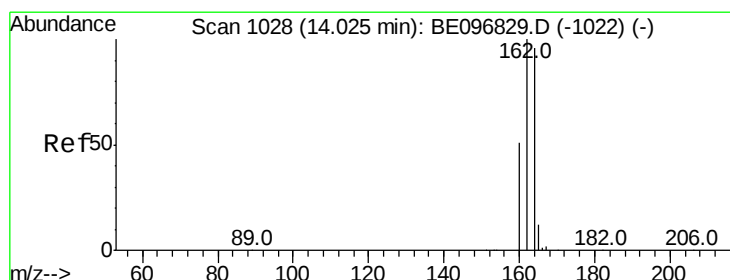
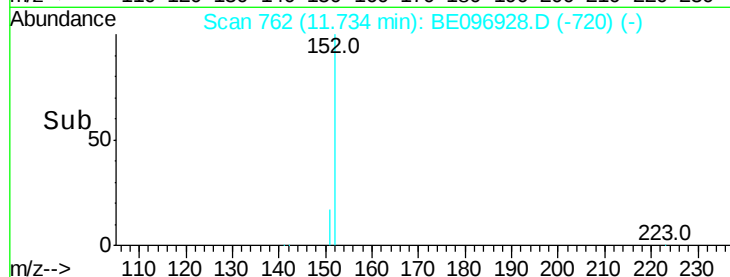
600

400

200

0

Time--> 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: BE096928.D

Acq: 14 Jul 2018 6:52

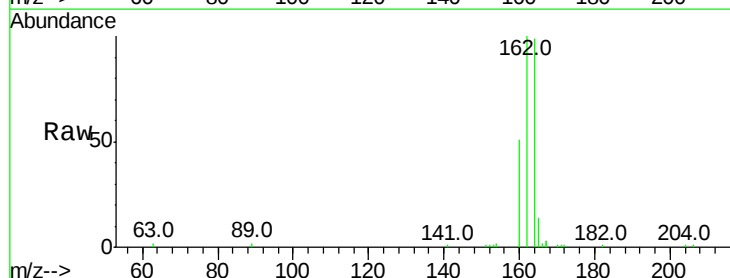
Tgt Ion:164 Resp: 6616

Ion Ratio Lower Upper

164 100

162 100.7 83.1 124.7

160 51.1 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

5000

4000

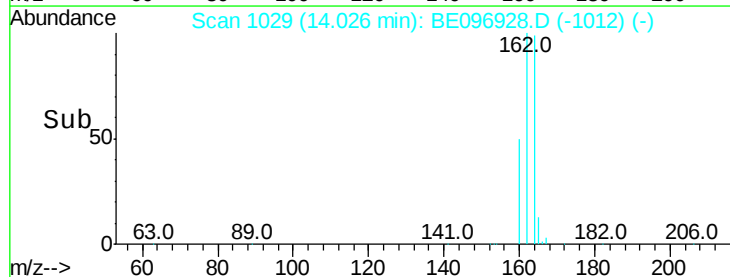
3000

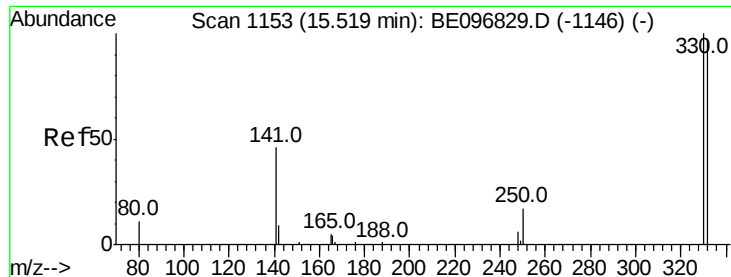
2000

1000

0

Time--> 13.90 14.00 14.10 14.20





#14

2,4,6-Tribromophenol

Concen: 0.222 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampled :

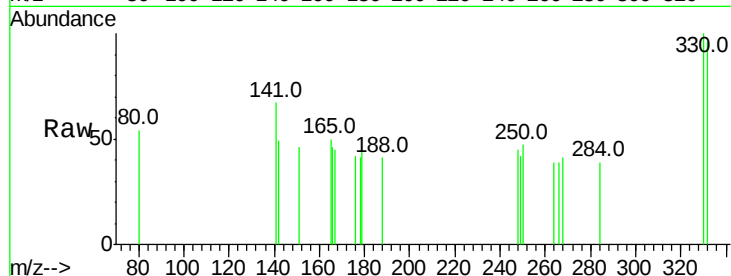
Tot Ion:330 Resp: 132

Ion Ratio Lower Upper

330 100

332 90.2 152.7 229.1#

141 60.6 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

15.52

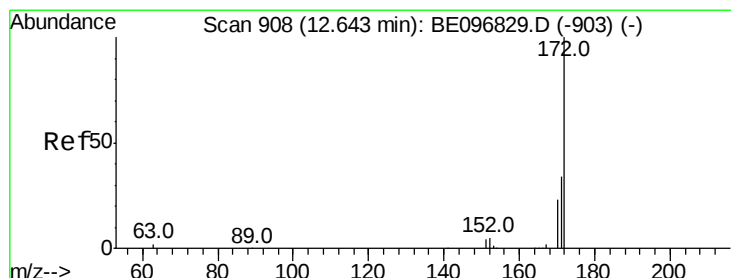
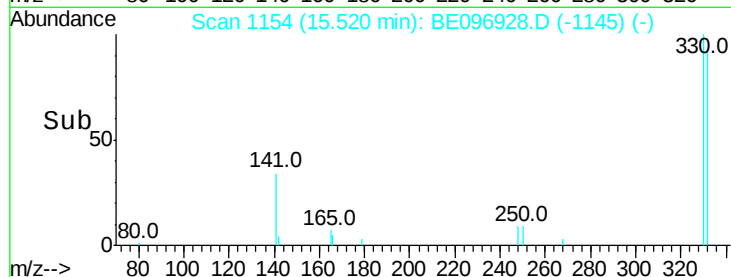
100

50

0

15.45 15.50 15.55 15.60

Time-->



#15

2-Fluorobiphenyl

Concen: 0.093 ng

RT: 12.64 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

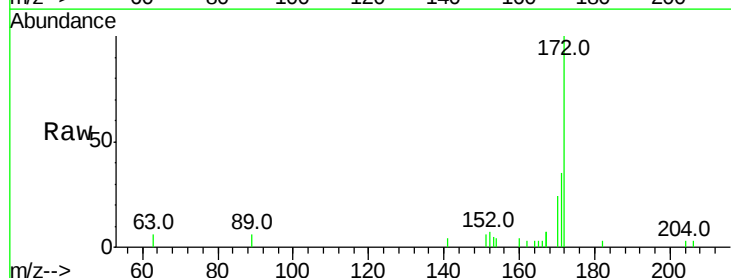
Tgt Ion:172 Resp: 2250

Ion Ratio Lower Upper

172 100

171 35.4 29.9 44.9

170 24.3 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

12.64

2000

1500

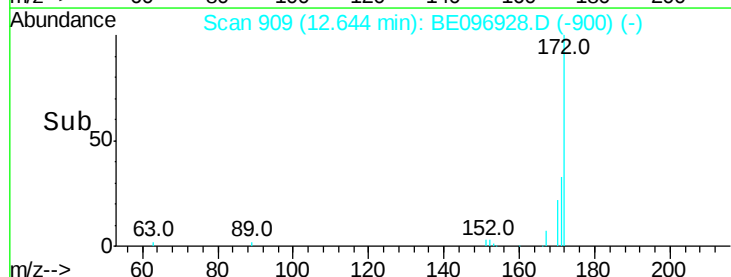
1000

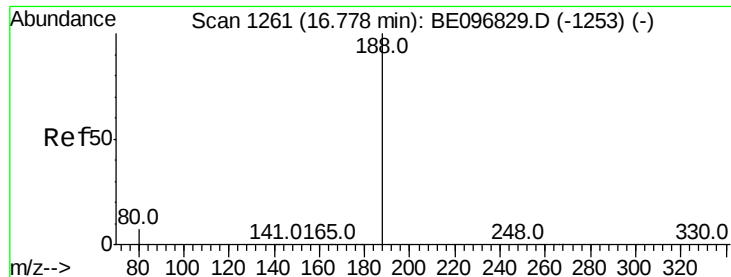
500

0

12.60 12.70

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampleId :

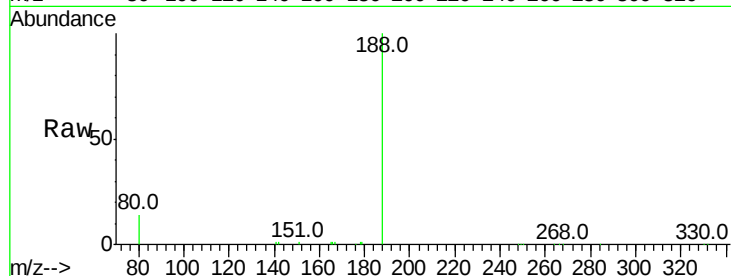
Tot Ion:188 Resp: 16176

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

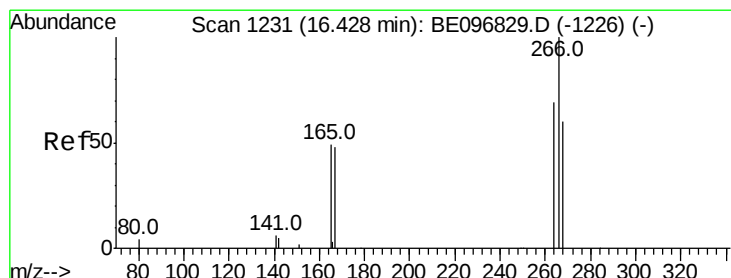
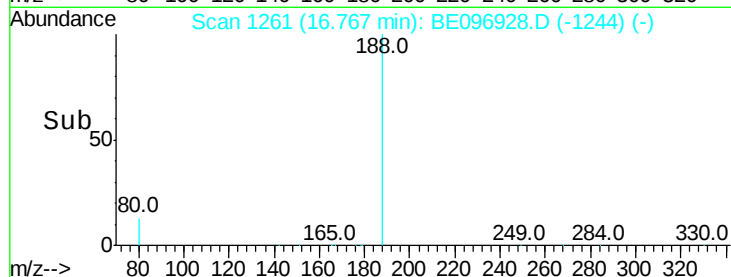
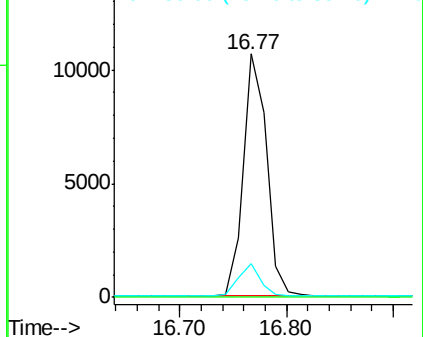
80 13.9 3.6 5.4#



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: 0.040 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

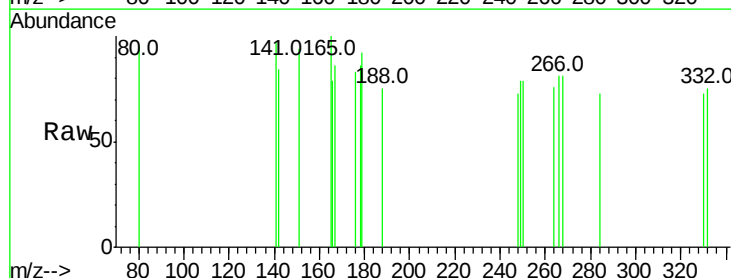
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 94.1 72.5 108.7

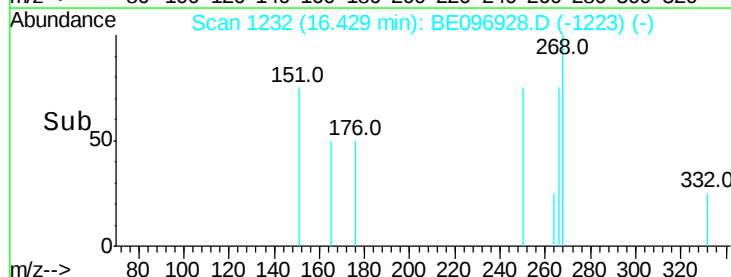
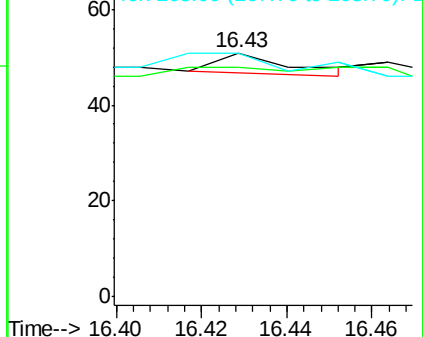
268 100.0 73.8 110.6

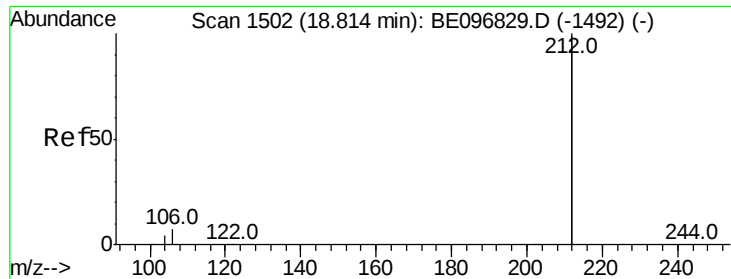


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.088 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampleId :

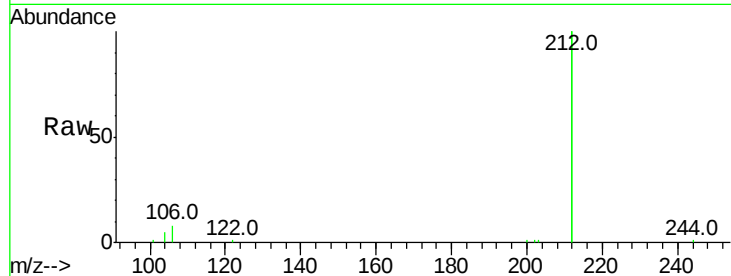
Tot Ion:212 Resp: 12538

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

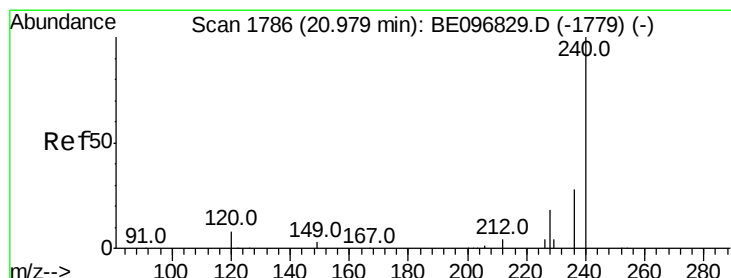
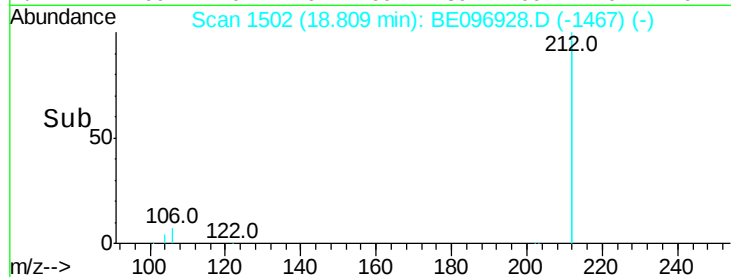
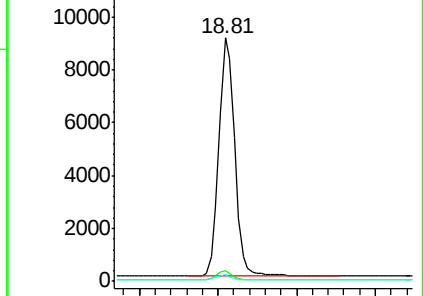
104 2.0 1.6 2.4



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# 1787

Delta R.T. 0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

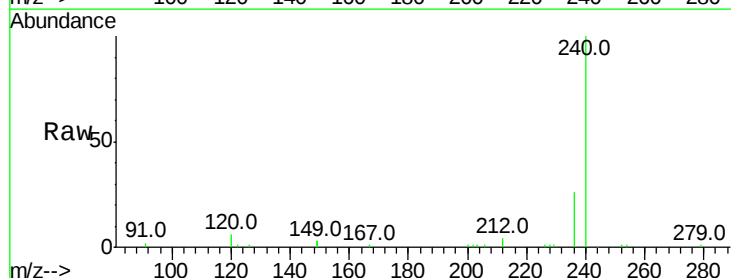
Tgt Ion:240 Resp: 13248

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

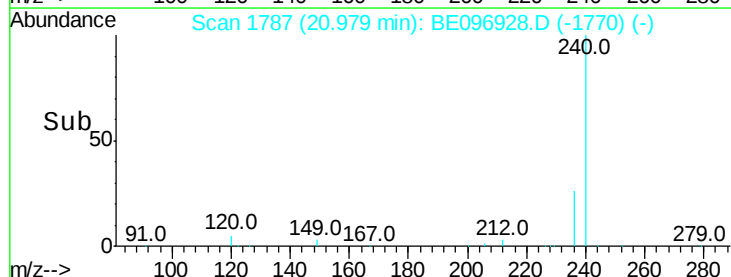
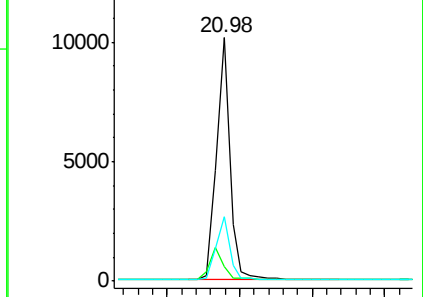
236 26.4 20.7 31.1

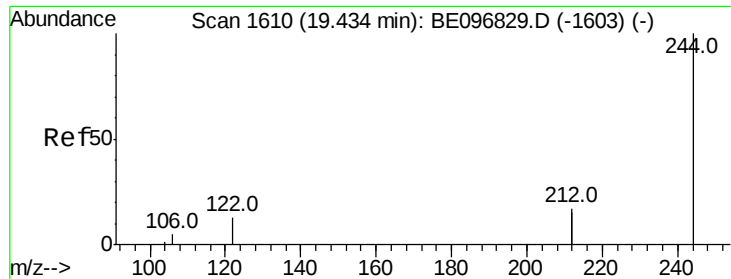


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.126 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampleId :

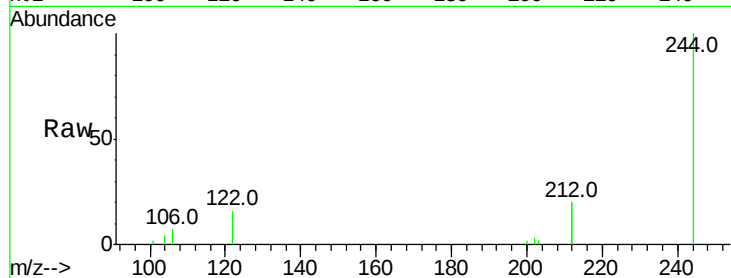
Tot Ion:244 Resp: 3222

Ion Ratio Lower Upper

244 100

212 39.8 25.4 38.0#

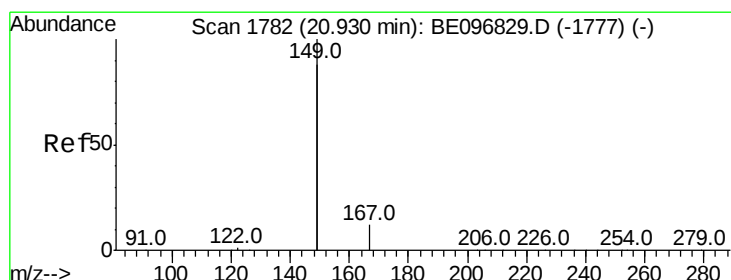
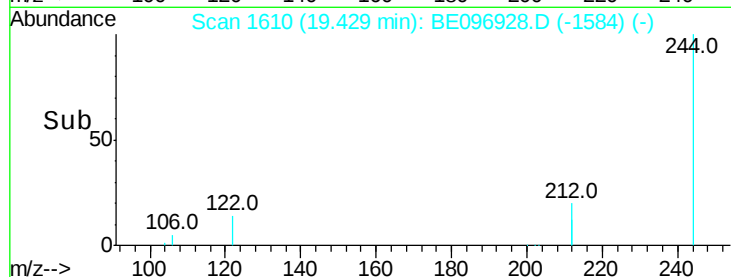
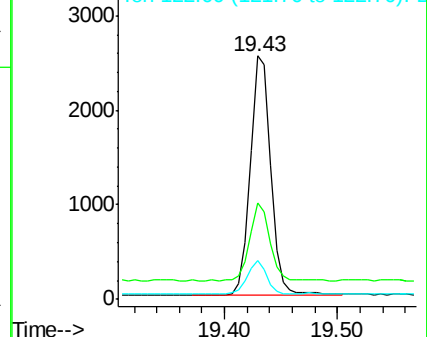
122 15.8 8.1 12.1#



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: 0.040 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

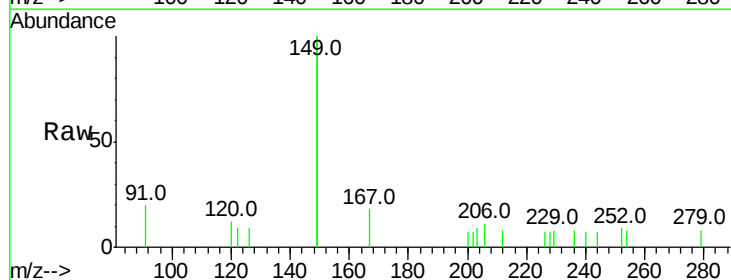
Tgt Ion:149 Resp: 1051

Ion Ratio Lower Upper

149 100

167 7.8 5.4 8.0

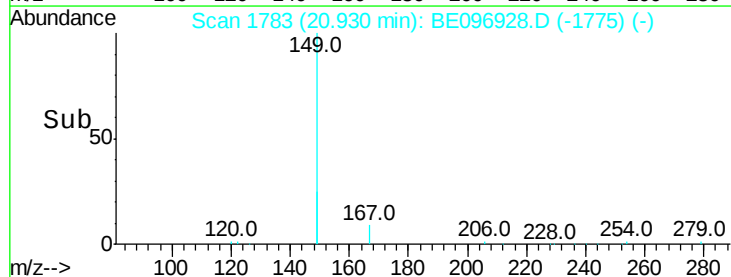
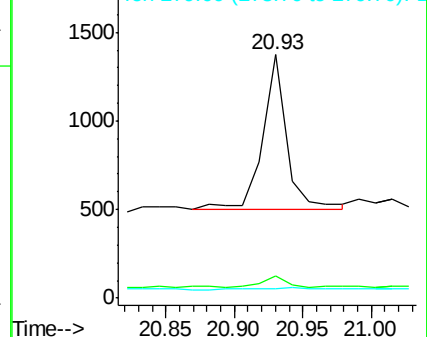
279 4.2 0.7 1.1#

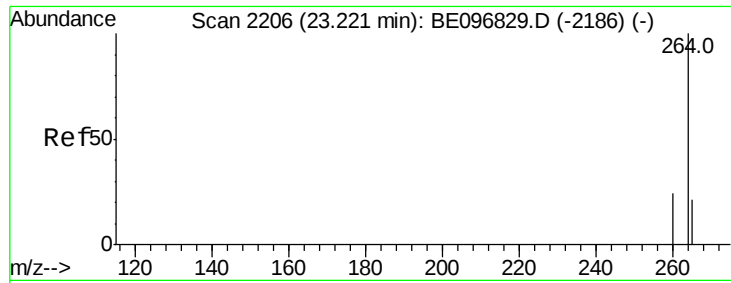


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

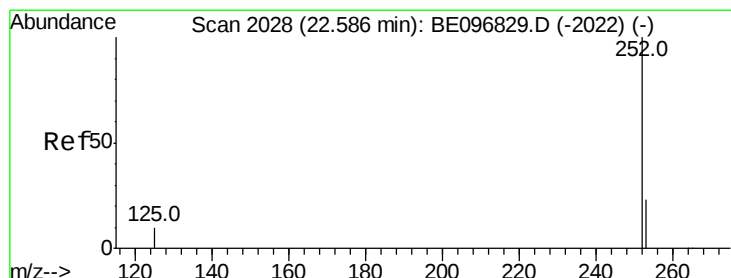
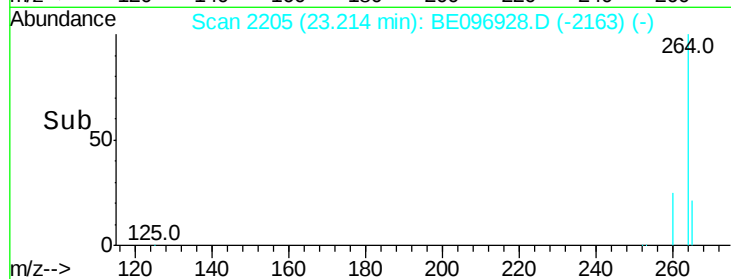
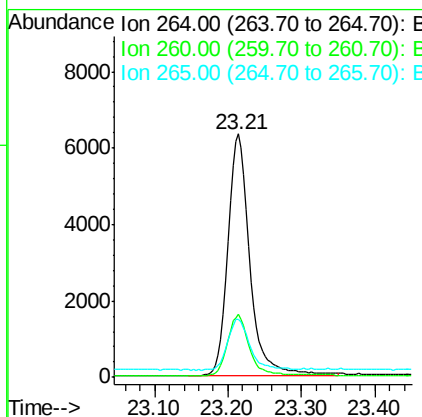
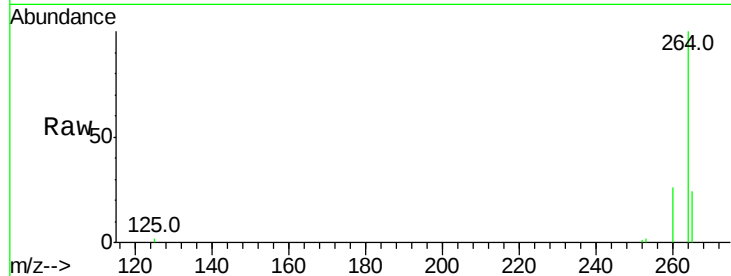




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE096928.D
Acq: 14 Jul 2018 6:52

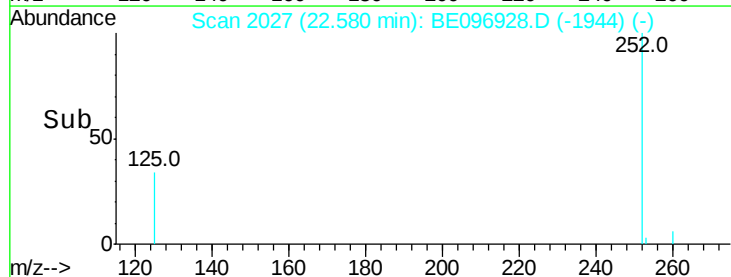
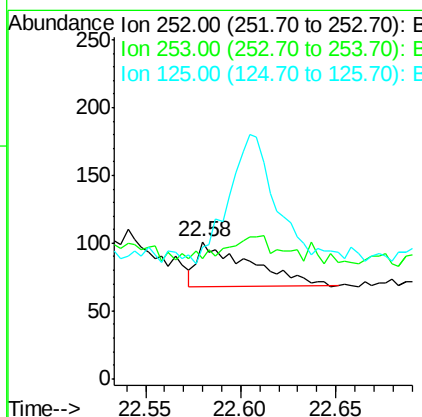
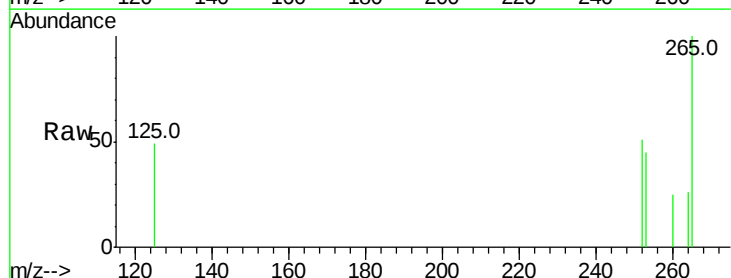
Instrument :
BNA_E
ClientSampleId :

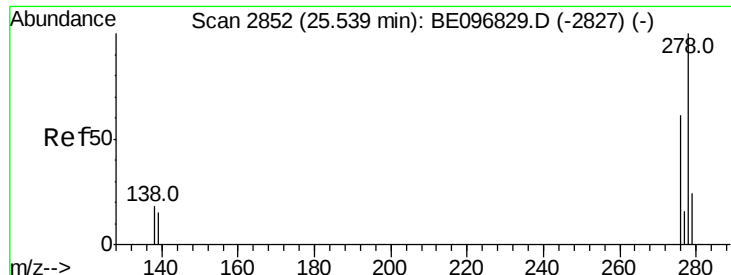
Tot Ion:264 Resp: 13297
Ion Ratio Lower Upper
264 100
260 26.0 20.5 30.7
265 23.9 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.085 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE096928.D
Acq: 14 Jul 2018 6:52

Tgt Ion:252 Resp: 62
Ion Ratio Lower Upper
252 100
253 88.1 16.0 24.0#
125 96.0 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

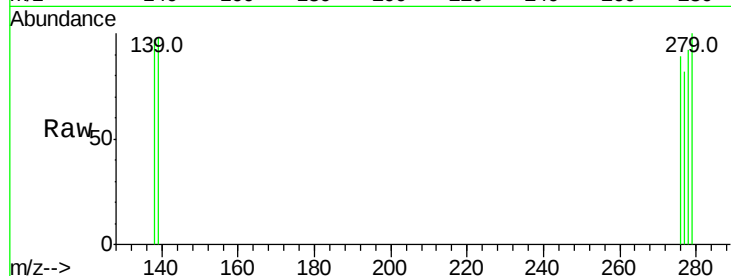
Lab File: BE096928.D

Acq: 14 Jul 2018 6:52

Instrument :

BNA_E

ClientSampleId :



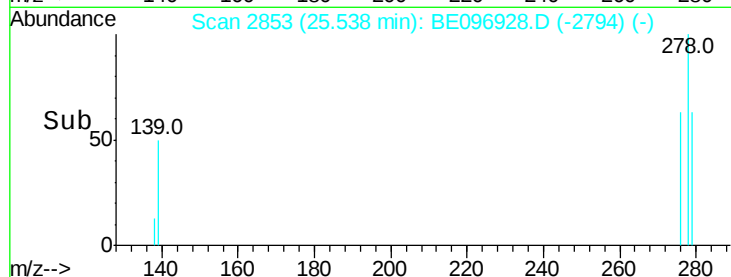
Tot Ion:278 Resp: 20

Ion Ratio Lower Upper

278 100

139 107.0 16.0 24.0#

279 108.8 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

