

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096931.D
 Acq On : 14 Jul 2018 8:46
 Operator : SJ/JU
 Sample : J3170-10DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 16 00:19:03 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

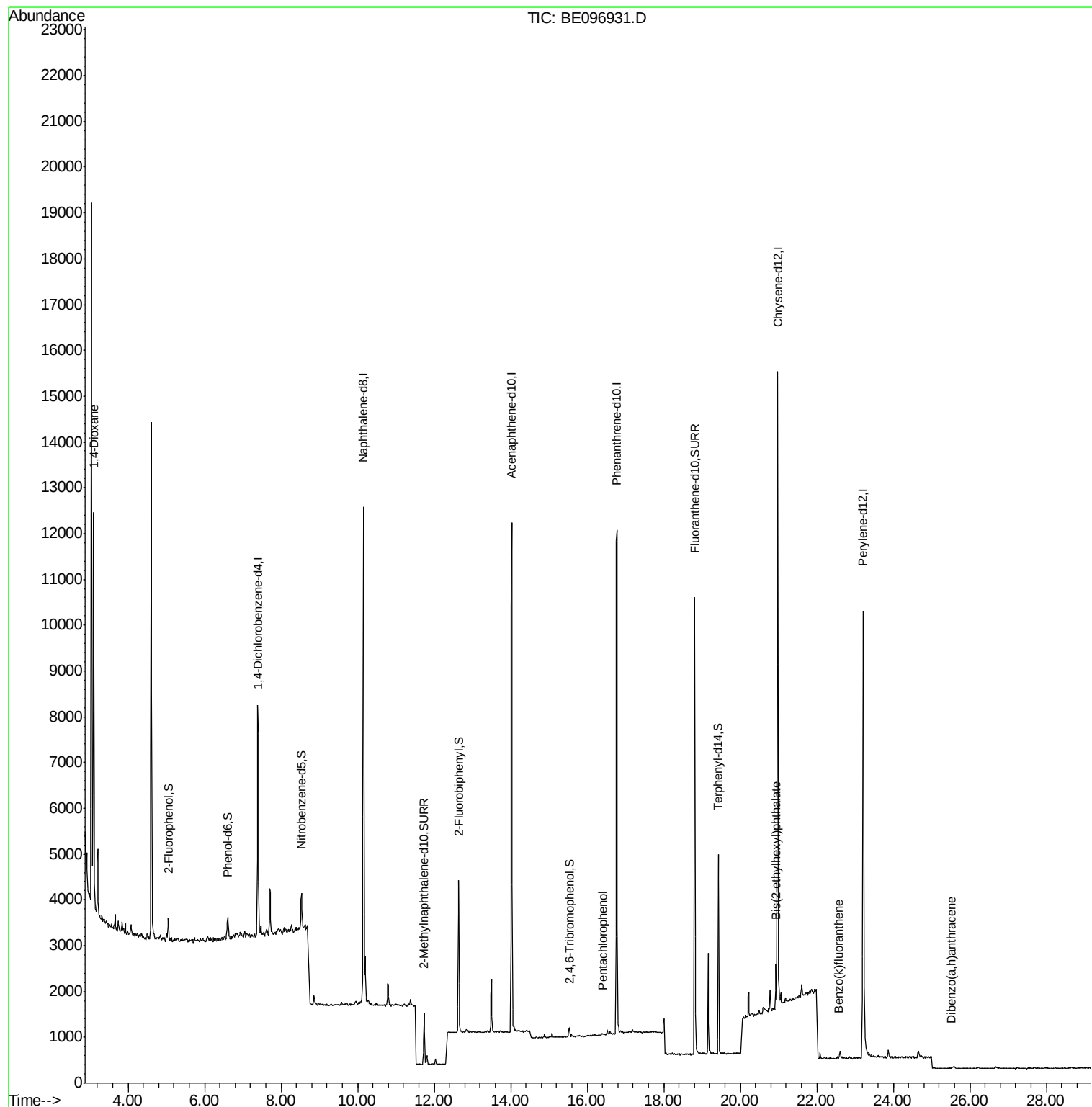
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2357	0.40	ng	0.01
7) Naphthalene-d8	10.14	136	12170	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6627	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	16594	0.40	ng	0.01
27) Chrysene-d12	20.98	240	13674	0.40	ng	0.00
34) Perylene-d12	23.21	264	13922	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	248	0.05	ng	0.00
5) Phenol-d6	6.60	99	216	0.03	ng	0.01
8) Nitrobenzene-d5	8.53	82	784	0.11	ng	0.01
11) 2-Methylnaphthalene-d10	11.74	152	1578	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	146	0.23	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	3082	0.13	ng	0.00
25) Fluoranthene-d10	18.82	212	13819	0.09	ng	0.00
29) Terphenyl-d14	19.43	244	3611	0.14	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.10	88	4733	1.340	ng	Qvalue # 89
22) Pentachlorophenol	16.41	266	16	0.048	ng	# 99
32) Bis(2-ethylhexyl)phthalate	20.93	149	1139	0.042	ng	# 100
36) Benzo(k)fluoranthene	22.57	252	4	0.083	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	10	0.110	ng	# 1

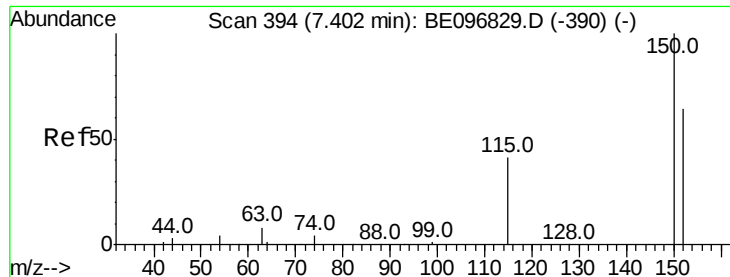
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096931.D

Acq: 14 Jul 2018 8:46

Instrument :

BNA_E

ClientSampleId :

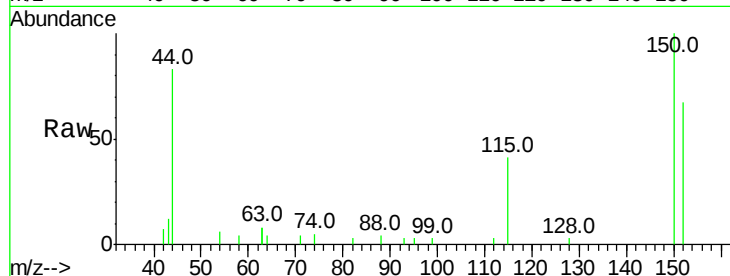
Tot Ion:152 Resp: 2357

Ion Ratio Lower Upper

152 100

150 148.4 117.2 175.8

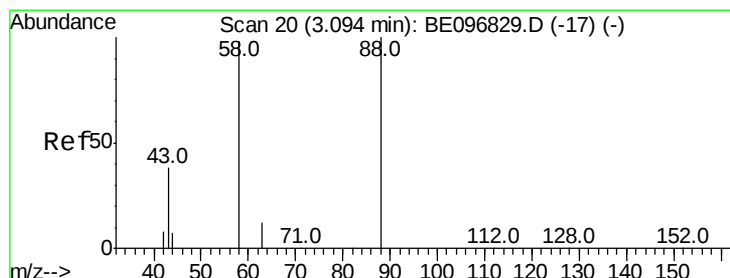
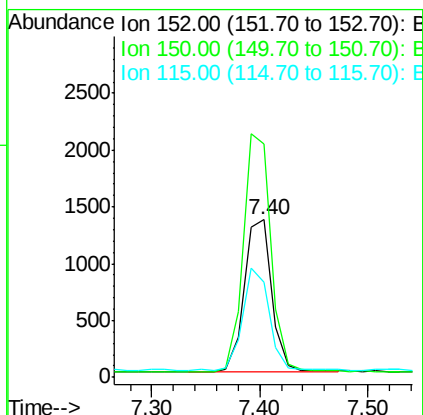
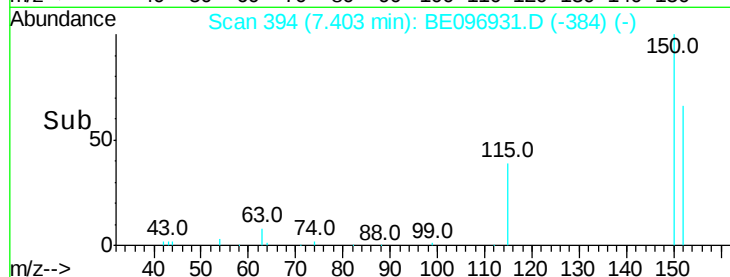
115 60.3 57.0 85.6



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: 1.340 ng

RT: 3.10 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

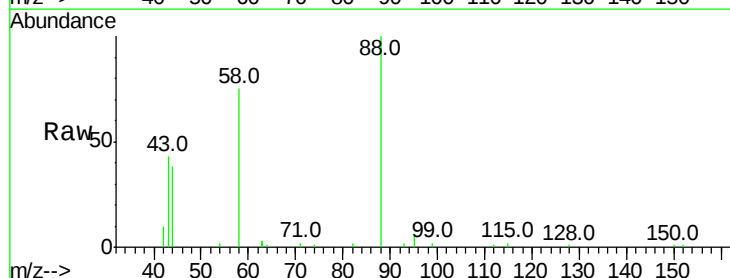
Tgt Ion: 88 Resp: 4733

Ion Ratio Lower Upper

88 100

58 82.7 63.2 94.8

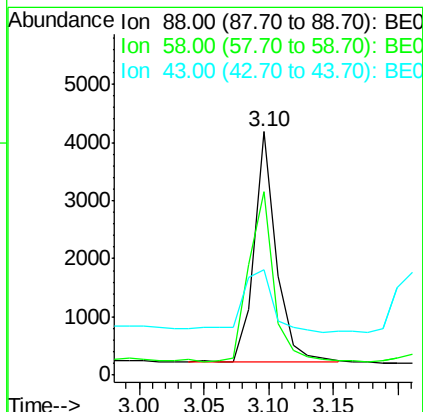
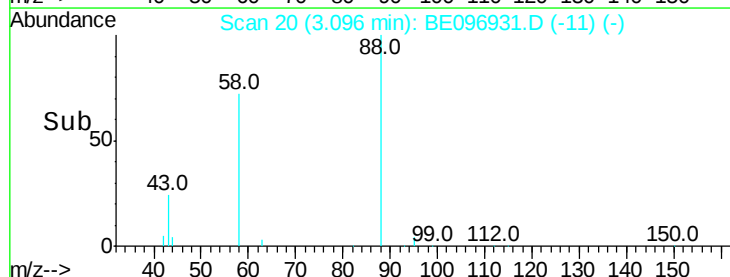
43 37.0 41.2 61.8#

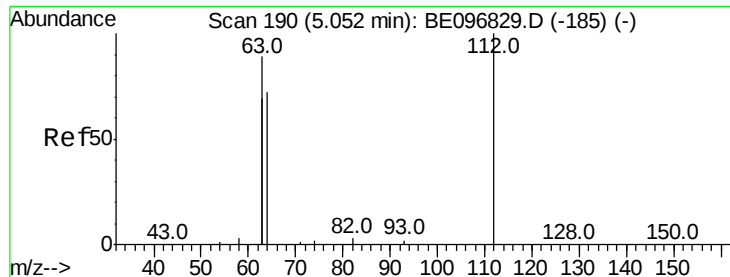


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.047 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

Instrument :
BNA_E
ClientSampleId :

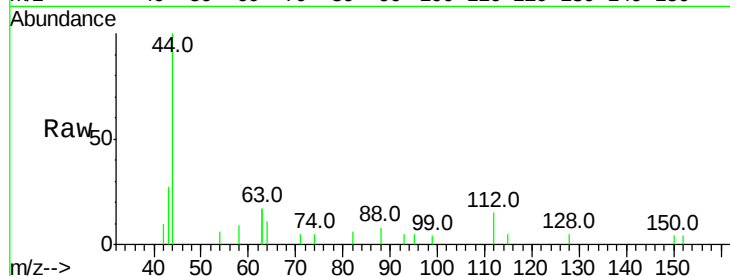
Tot Ion: 112 Resp: 248

Ion Ratio Lower Upper

112 100

64 71.0 60.1 90.1

63 152.0 116.8 175.2



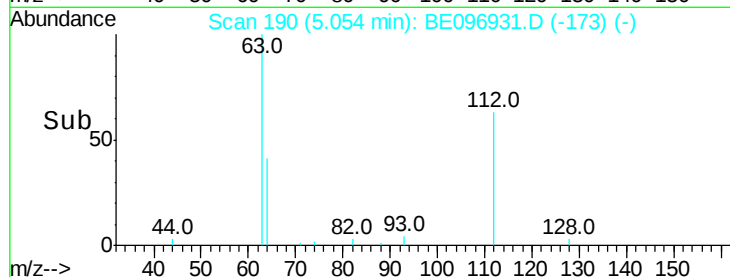
Abundance Ion 112.00 (111.70 to 112.70): BE096829.D (-185) (-)

Ion 64.00 (63.70 to 64.70): BE096829.D (-185) (-)

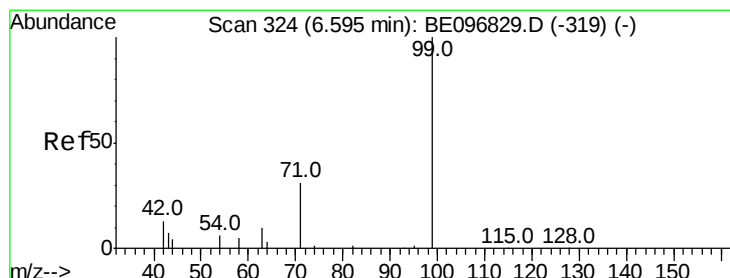
Ion 63.00 (62.70 to 63.70): BE096829.D (-185) (-)

Time-->

5.05



Time-->



#5

Phenol-d6

Concen: 0.027 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

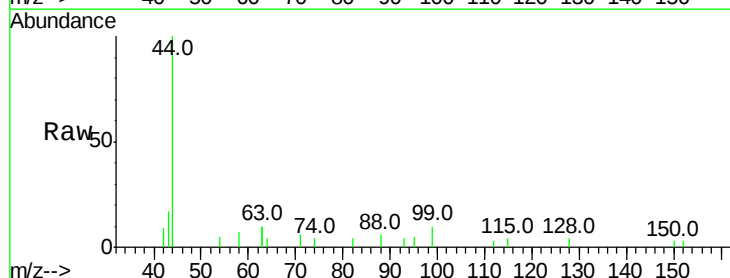
Tgt Ion: 99 Resp: 216

Ion Ratio Lower Upper

99 100

42 30.1 20.2 30.2

71 48.6 28.4 42.6#



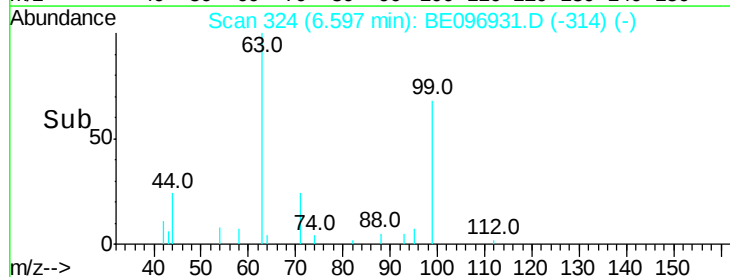
Abundance Ion 99.00 (98.70 to 99.70): BE096829.D (-319) (-)

Ion 42.00 (41.70 to 42.70): BE096829.D (-319) (-)

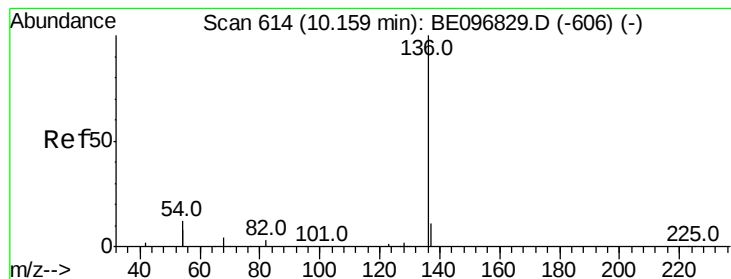
Ion 71.00 (70.70 to 71.70): BE096829.D (-319) (-)

Time-->

6.60



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 12170

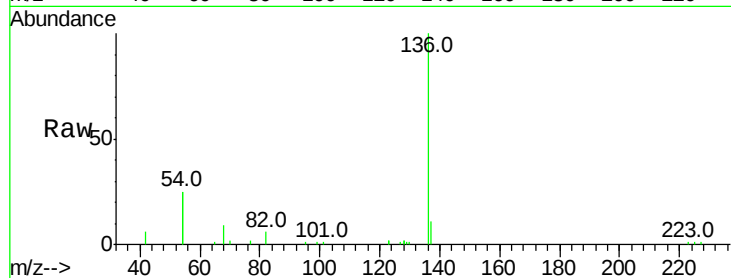
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 50.2 29.1 43.7#

68 9.3 6.2 9.2#

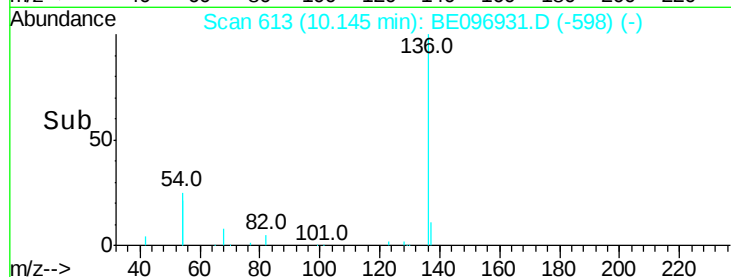


Abundance Ion 136.00 (135.70 to 136.70): E

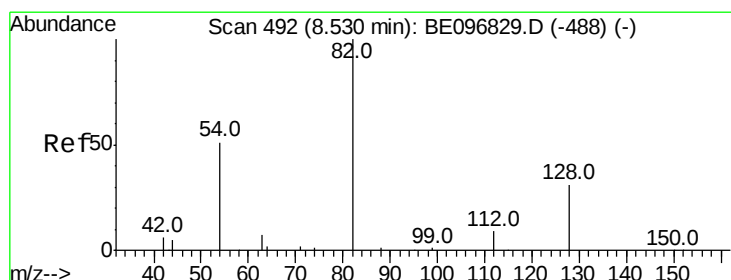
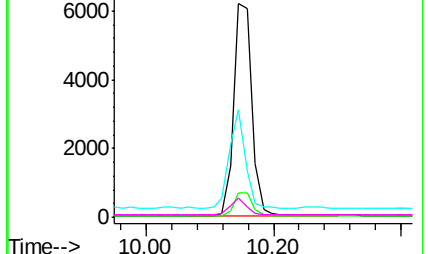
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.106 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

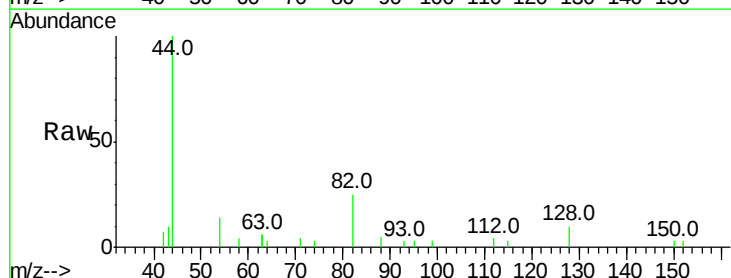
Tgt Ion: 82 Resp: 784

Ion Ratio Lower Upper

82 100

128 41.4 24.0 36.0#

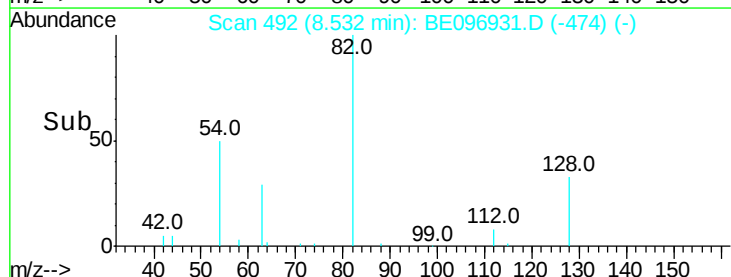
54 56.5 40.0 60.0



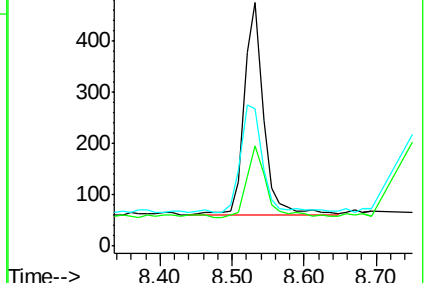
Abundance Ion 82.00 (81.70 to 82.70): BE0

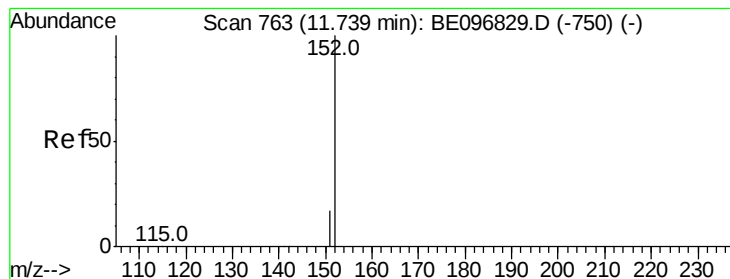
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.090 ng

RT: 11.74 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

Instrument :

BNA_E

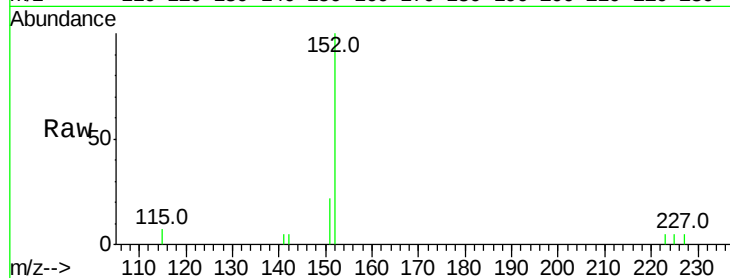
ClientSampled :

Tot Ion:152 Resp: 1578

Ion Ratio Lower Upper

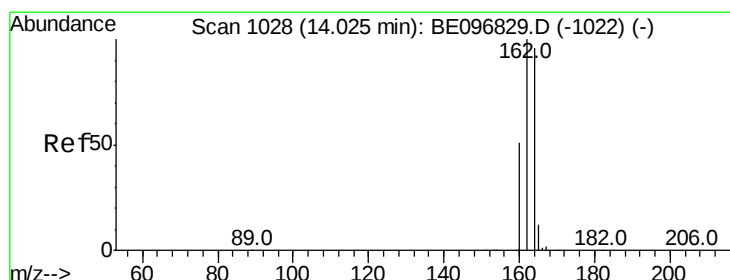
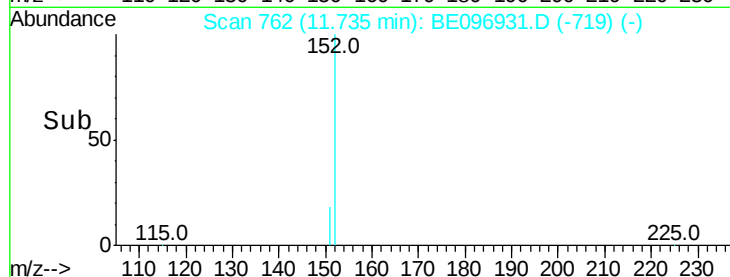
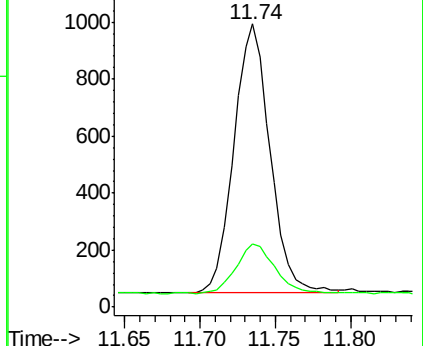
152 100

151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

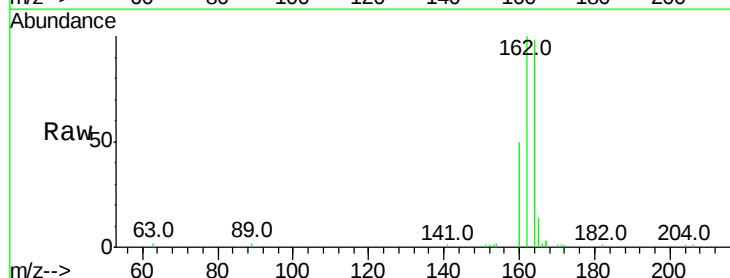
Tgt Ion:164 Resp: 6627

Ion Ratio Lower Upper

164 100

162 102.3 83.1 124.7

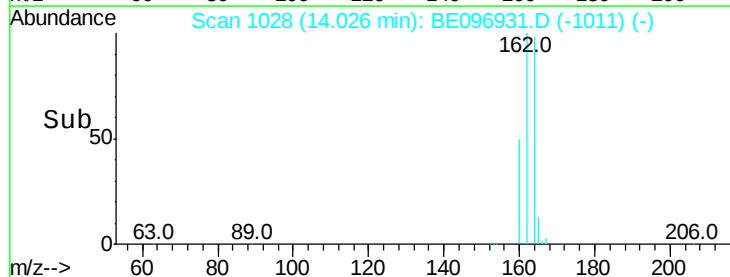
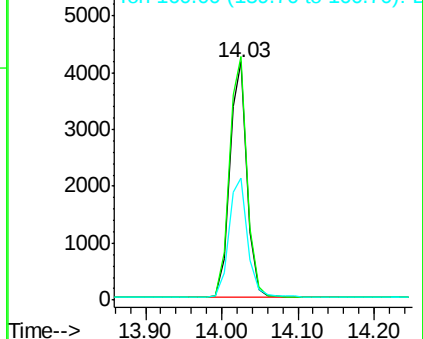
160 51.3 37.1 55.7

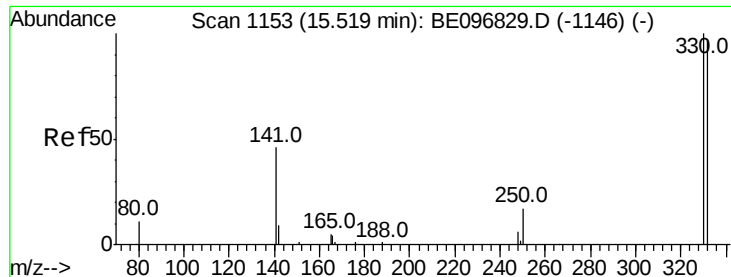


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

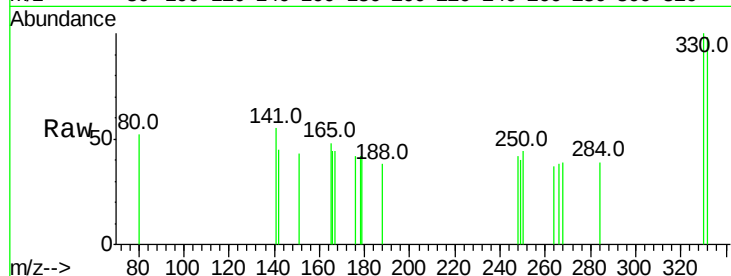




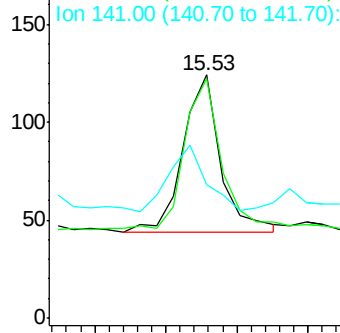
#14
 2,4,6-Tribromophenol
 Concen: 0.228 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE096931.D
 Acq: 14 Jul 2018 8:46

Instrument :
 BNA_E
 ClientSampleId :

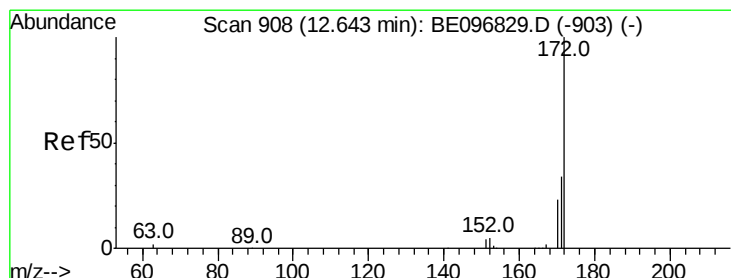
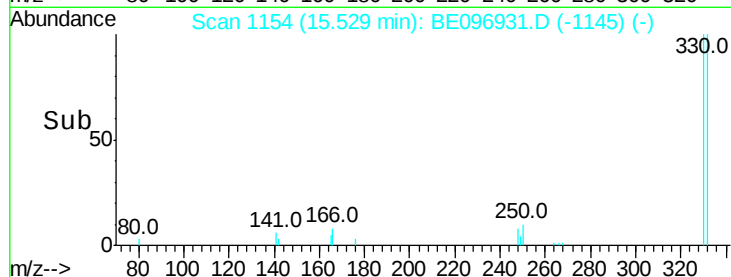
Tot Ion:330 Resp: 146
 Ion Ratio Lower Upper
 330 100
 332 94.5 152.7 229.1#
 141 43.2 33.7 50.5



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

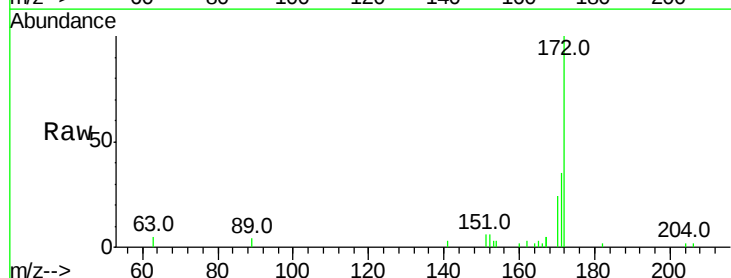


Time-->

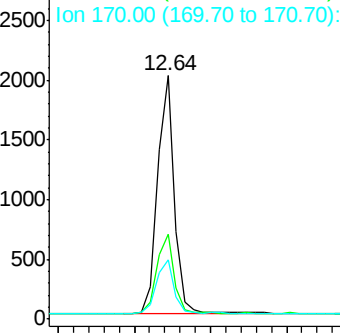


#15
 2-Fluorobiphenyl
 Concen: 0.127 ng
 RT: 12.64 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE096931.D
 Acq: 14 Jul 2018 8:46

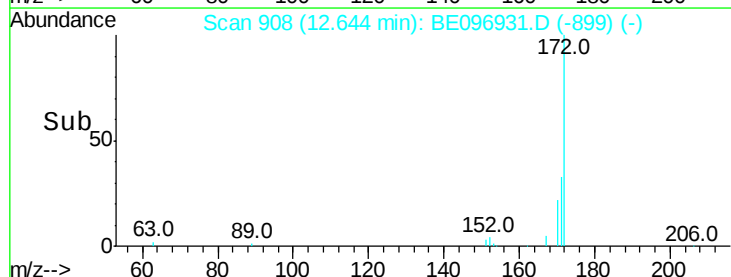
Tgt Ion:172 Resp: 3082
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.9 44.9
 170 24.3 21.8 32.8

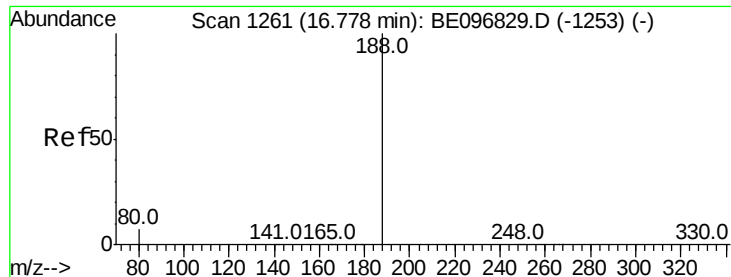


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->

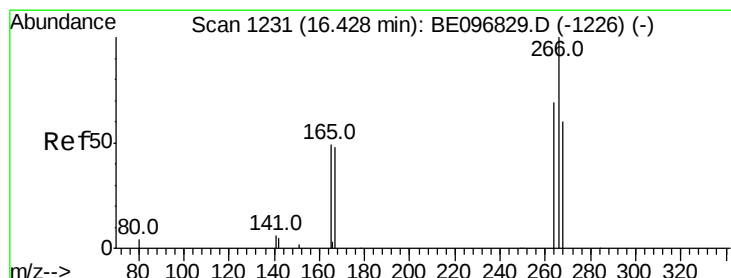
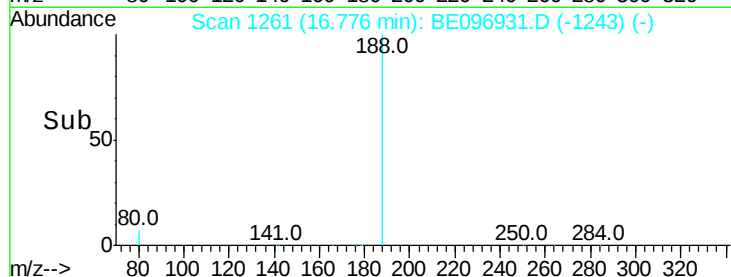
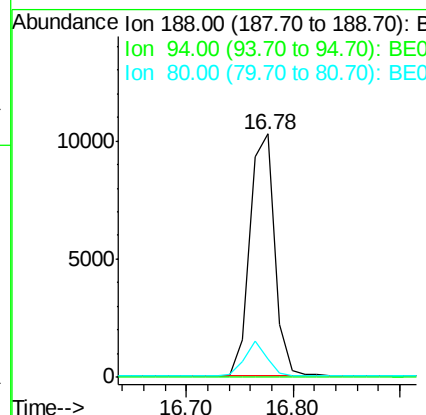
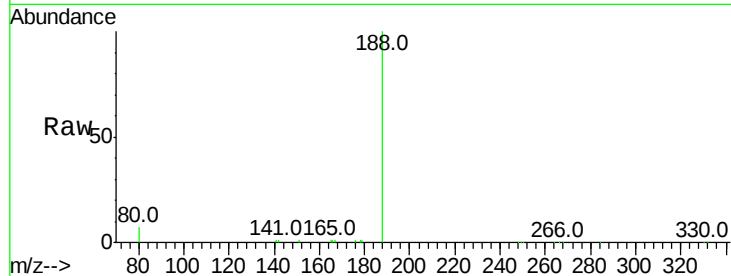




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BE096931.D
Acq: 14 Jul 2018 8:46

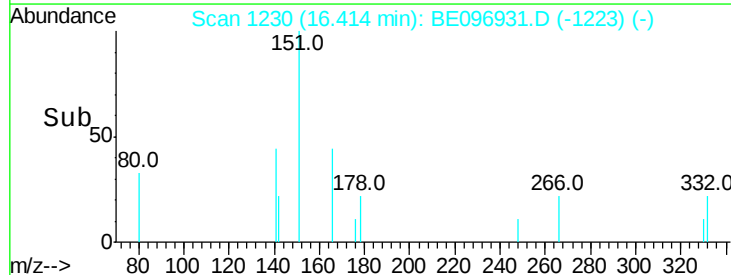
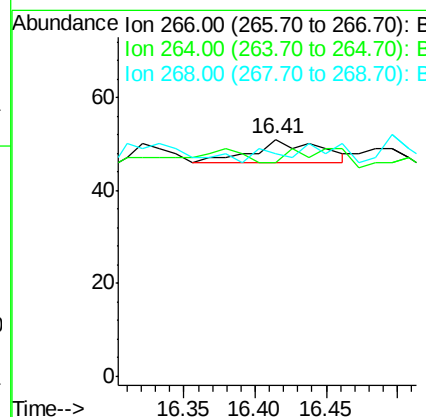
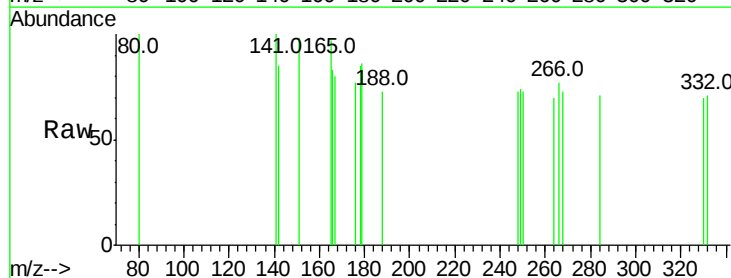
Instrument :
BNA_E
ClientSampled :

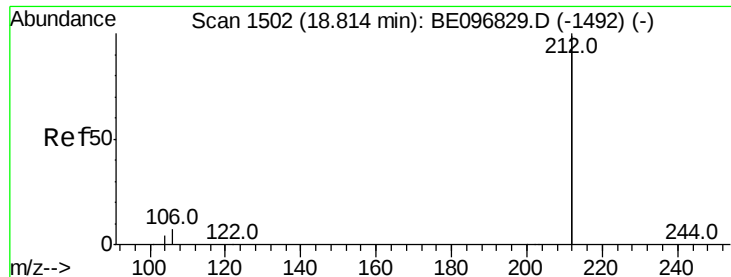
Tot Ion:188 Resp: 16594
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 7.5 3.6 5.4#



#22
Pentachlorophenol
Concen: 0.048 ng
RT: 16.41 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BE096931.D
Acq: 14 Jul 2018 8:46

Tgt Ion:266 Resp: 16
Ion Ratio Lower Upper
266 100
264 90.2 72.5 108.7
268 94.1 73.8 110.6





#25

Fluoranthene-d10

Concen: 0.095 ng

RT: 18.82 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

Instrument :

BNA_E

ClientSampleId :

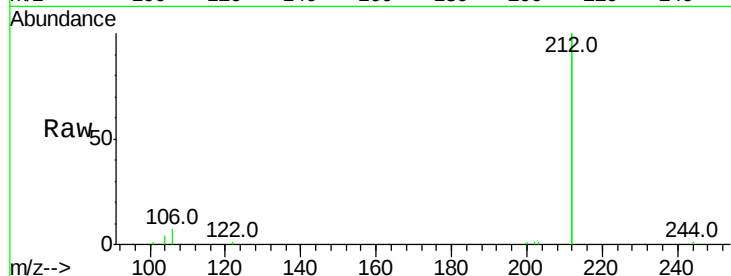
Tot Ion:212 Resp: 13819

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

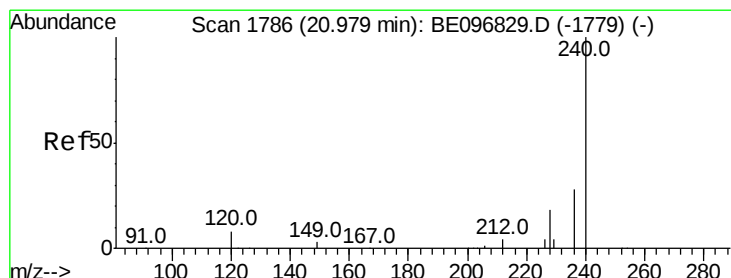
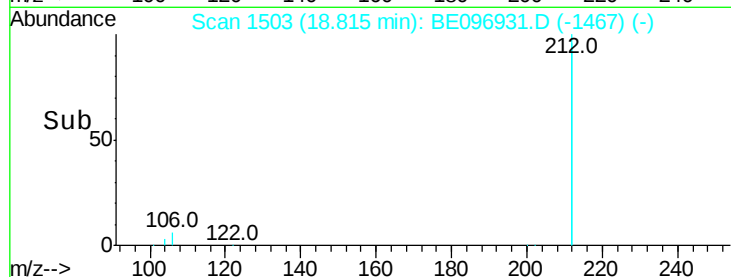
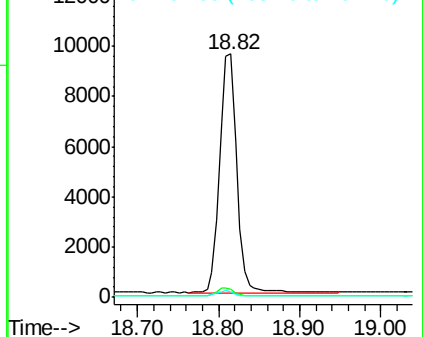
104 2.0 1.6 2.4



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# 1787

Delta R.T. 0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

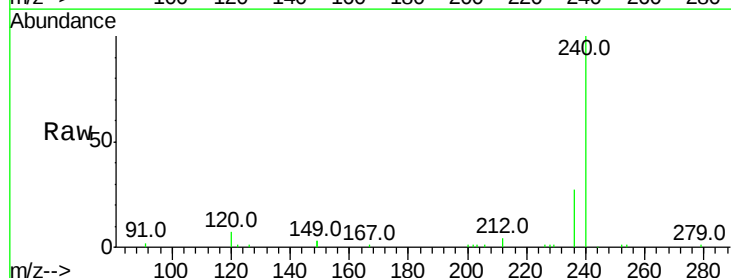
Tgt Ion:240 Resp: 13674

Ion Ratio Lower Upper

240 100

120 6.7 5.5 8.3

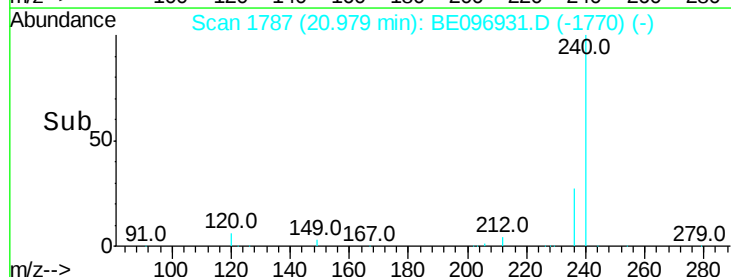
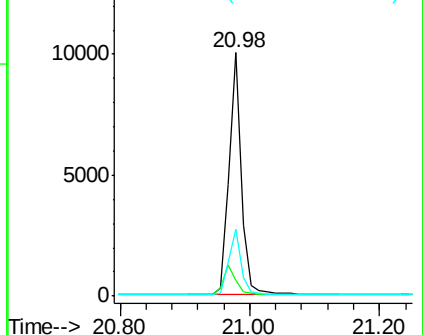
236 27.4 20.7 31.1

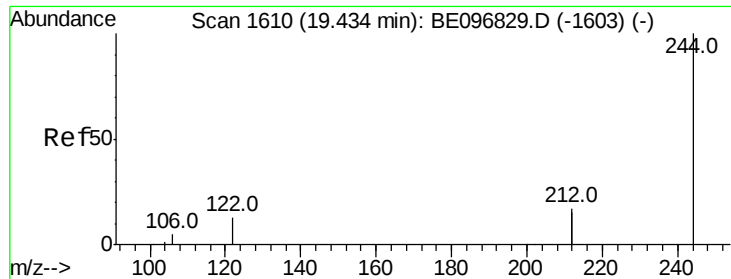


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.137 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

Instrument :

BNA_E

ClientSampleId :

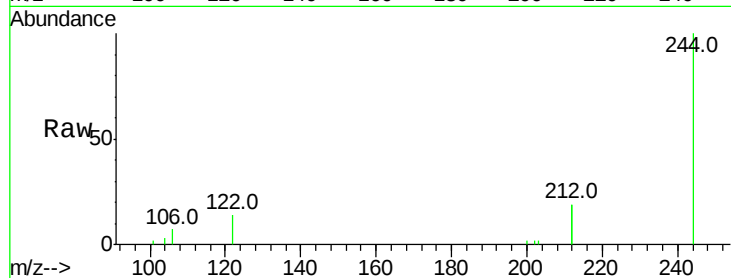
Tot Ion:244 Resp: 3611

Ion Ratio Lower Upper

244 100

212 37.6 25.4 38.0

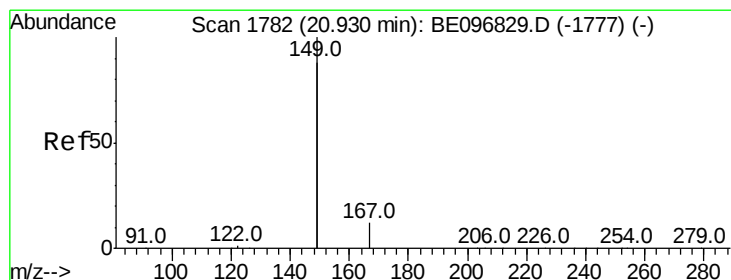
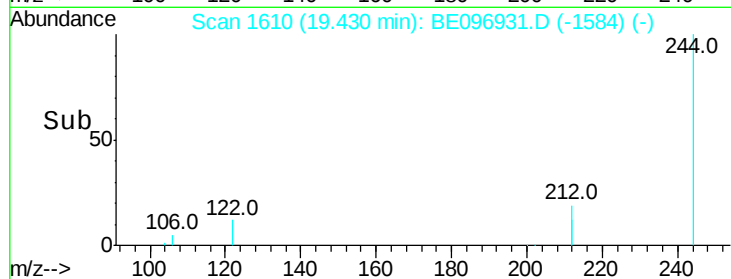
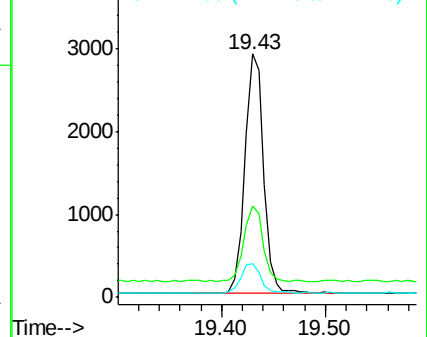
122 13.8 8.1 12.1#



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: 0.042 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

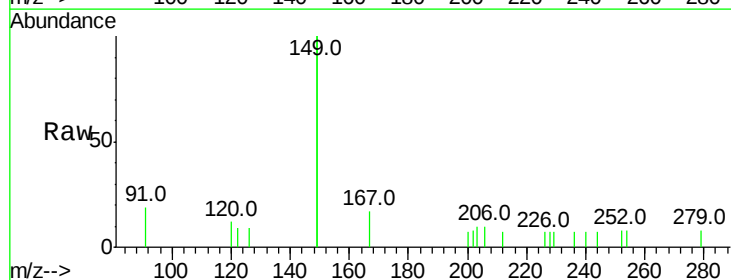
Tgt Ion:149 Resp: 1139

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

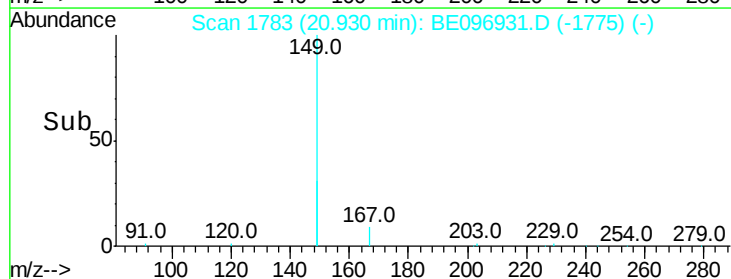
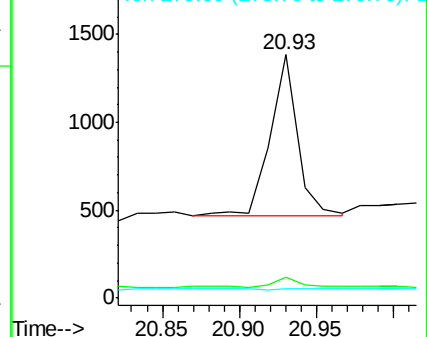
279 1.1 0.7 1.1#

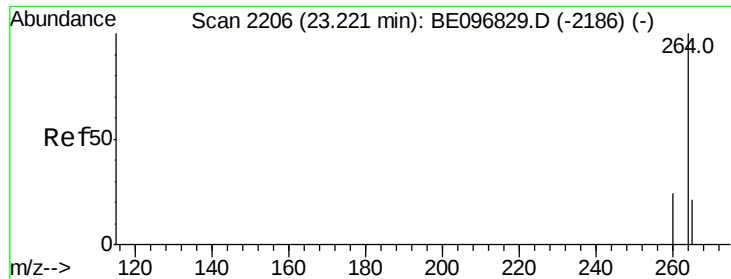


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

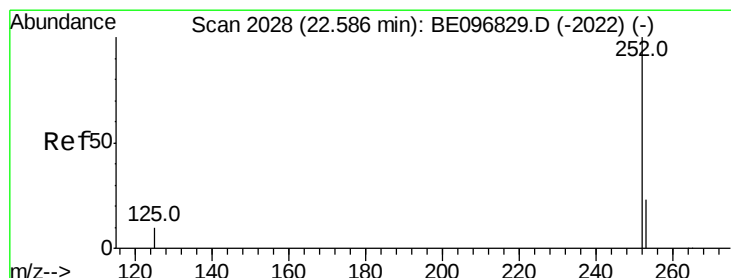
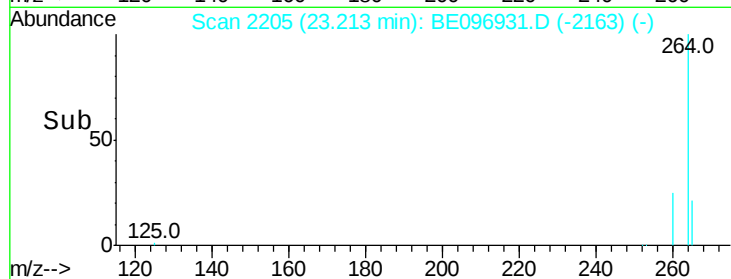
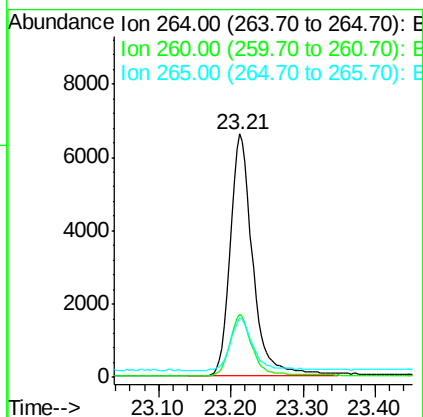
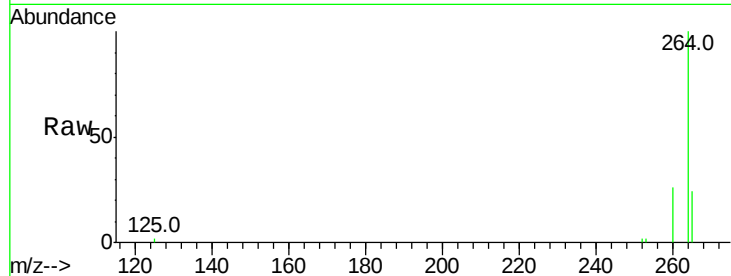




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BE096931.D
 Acq: 14 Jul 2018 8:46

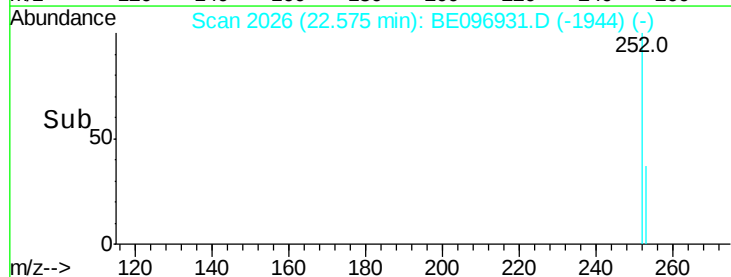
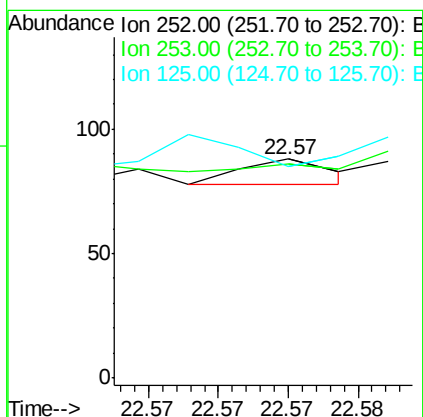
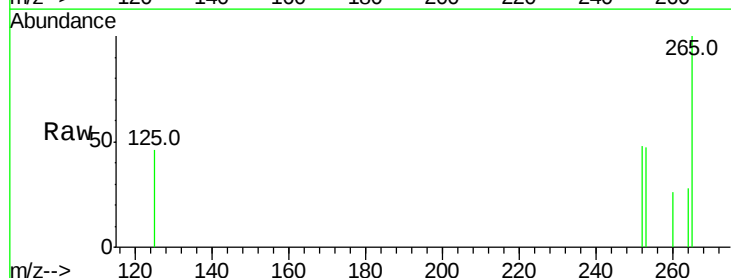
Instrument :
 BNA_E
 ClientSampleId :

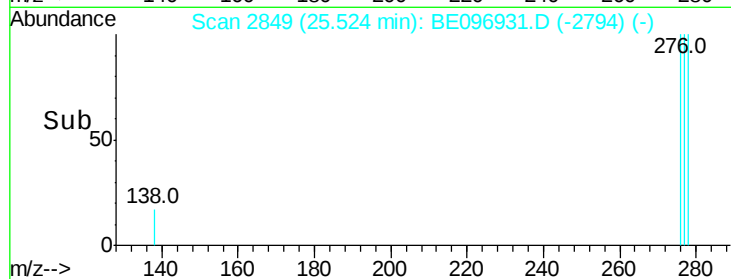
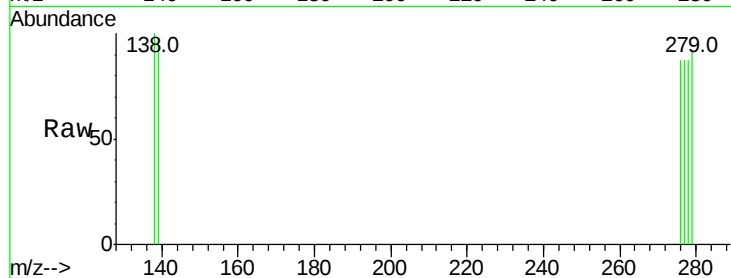
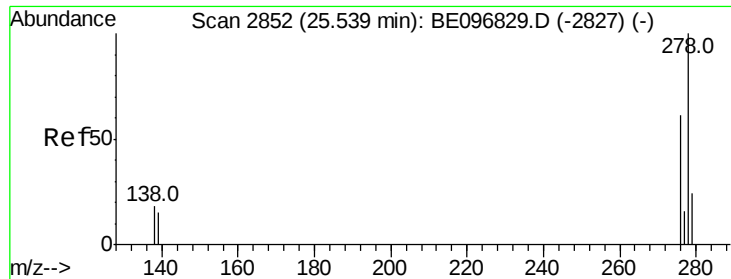
Tot Ion:264 Resp: 13922
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 24.2 22.8 34.2



#36
 Benzo(k)fluoranthene
 Concen: 0.083 ng
 RT: 22.57 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BE096931.D
 Acq: 14 Jul 2018 8:46

Tgt Ion:252 Resp: 4
 Ion Ratio Lower Upper
 252 100
 253 97.7 16.0 24.0#
 125 96.6 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.52 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BE096931.D

Acq: 14 Jul 2018 8:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion:278 Resp: 10

Ion Ratio Lower Upper

278 100

139 111.1 16.0 24.0#

279 105.6 20.0 30.0#

