

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096925.D
 Acq On : 14 Jul 2018 5:02
 Operator : SJ/JU
 Sample : J3170-02DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TT101D1-071018DL

Quant Time: Jul 14 06:33:39 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	2250	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	12069	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6711	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	16050	0.40	ng	0.01
27) Chrysene-d12	20.98	240	13285	0.40	ng	0.00
34) Perylene-d12	23.21	264	13403	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	208	0.04	ng	0.00
5) Phenol-d6	6.59	99	207	0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	776	0.11	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	1482	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	139	0.22	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	2448	0.10	ng	0.00
25) Fluoranthene-d10	18.82	212	12316	0.09	ng	0.00
29) Terphenyl-d14	19.43	244	3144	0.12	ng	0.00

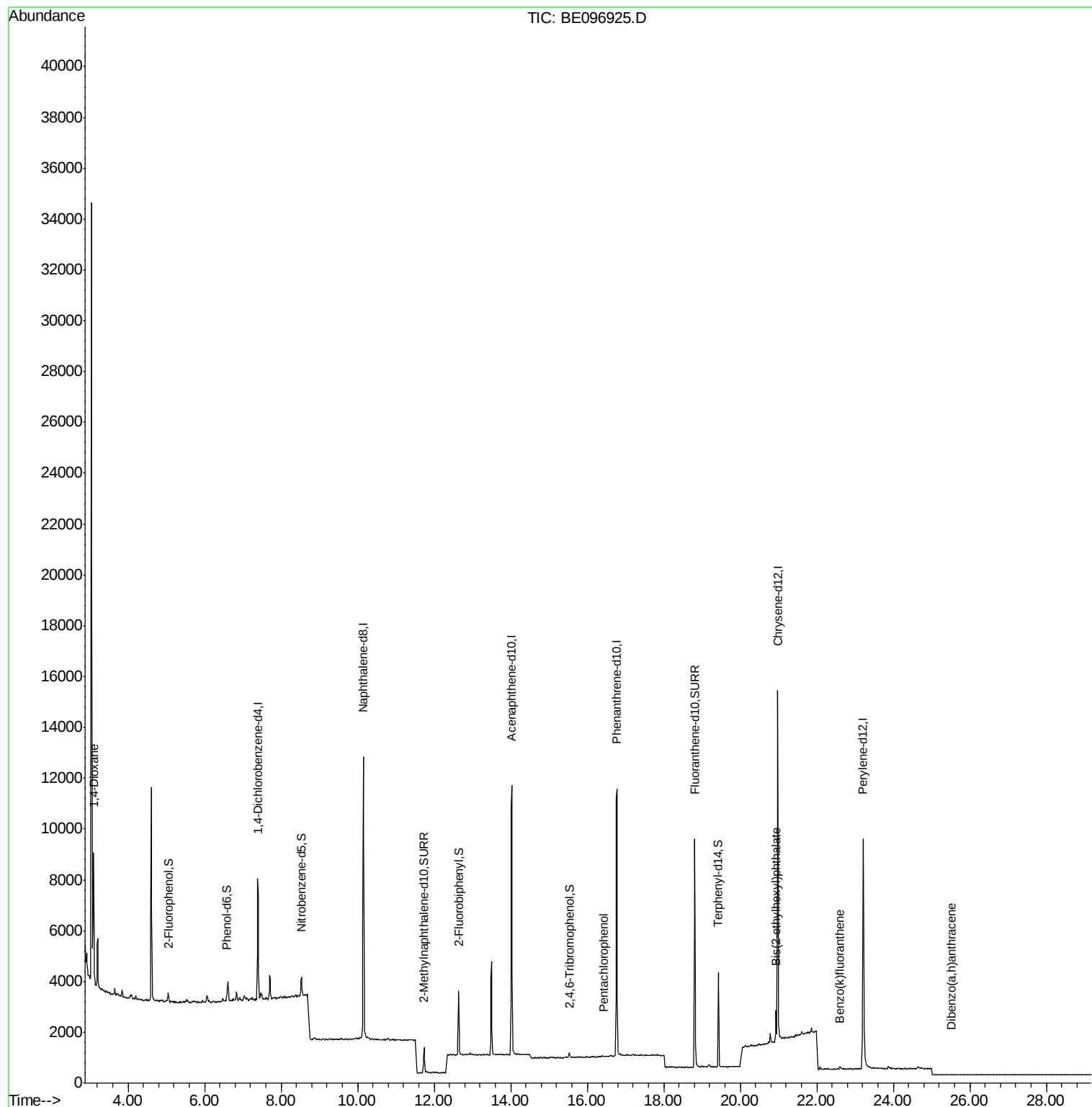
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	2776	0.823	ng	91
22) Pentachlorophenol	16.44	266	2	0.036	ng	91
32) Bis(2-ethylhexyl)phthalate	20.93	149	1398	0.053	ng	# 97
36) Benzo(k)fluoranthene	22.59	252	39	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	10	0.110	ng	# 1

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

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Quant Time: Jul 14 06:33:39 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
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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: BE096925.D

Acq: 14 Jul 2018 5:02

Instrument :

BNA_E

ClientSampleId :

TT101D1-071018DL

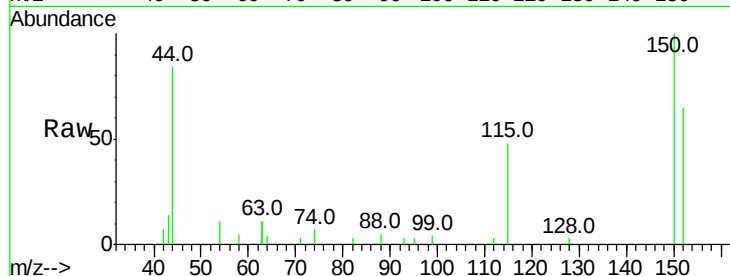
Tot Ion:152 Resp: 2250

Ion Ratio Lower Upper

152 100

150 153.6 117.2 175.8

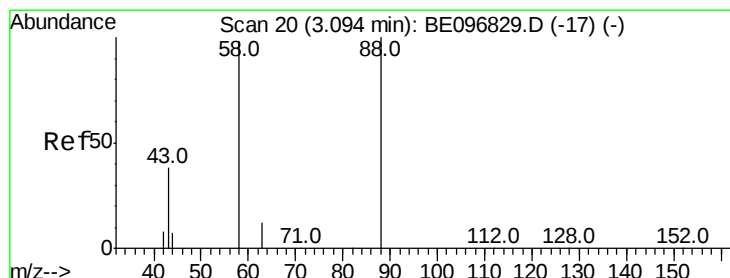
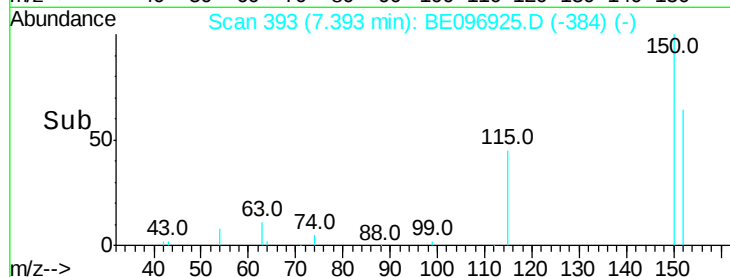
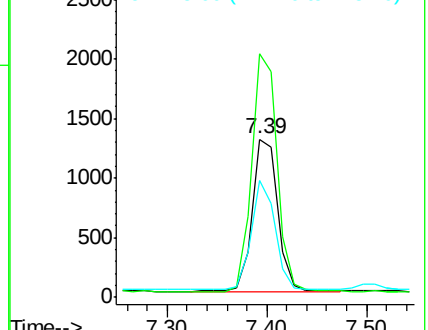
115 73.5 57.0 85.6



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: 0.823 ng

RT: 3.10 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

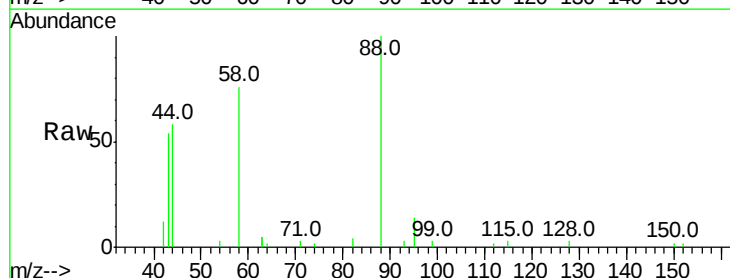
Tgt Ion: 88 Resp: 2776

Ion Ratio Lower Upper

88 100

58 85.3 63.2 94.8

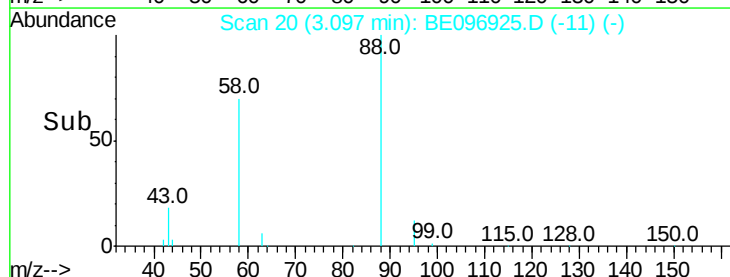
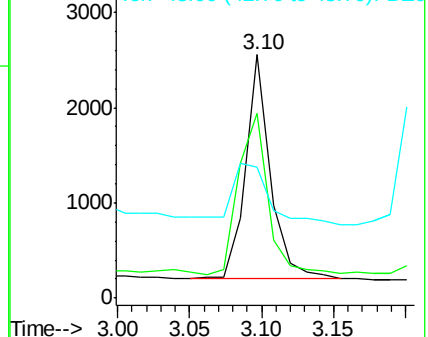
43 42.4 41.2 61.8

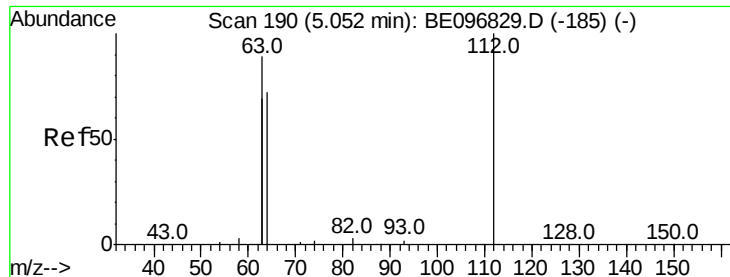


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.041 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

Instrument :

BNA_E

ClientSampleId :

TT101D1-071018DL

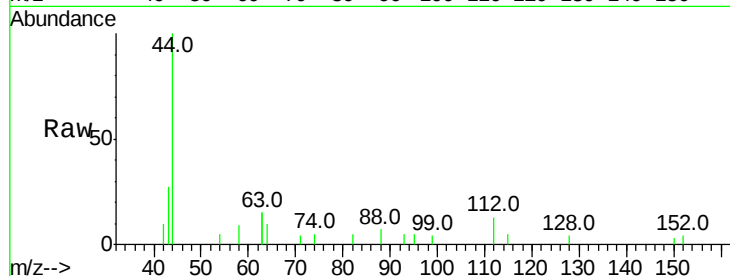
Tot Ion:112 Resp: 208

Ion Ratio Lower Upper

112 100

64 67.8 60.1 90.1

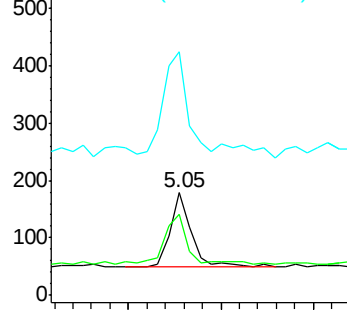
63 149.5 116.8 175.2



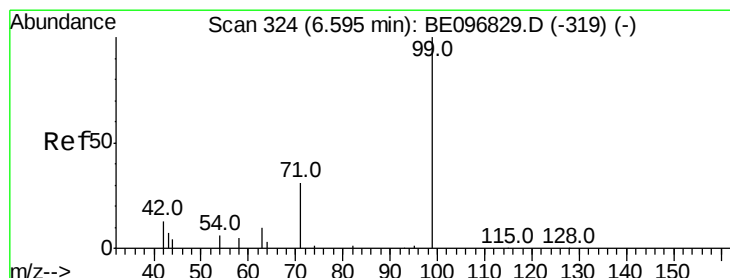
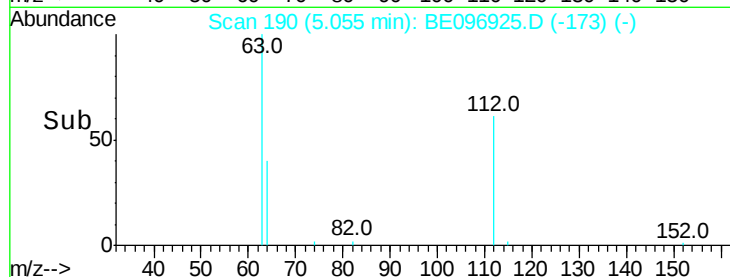
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.028 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

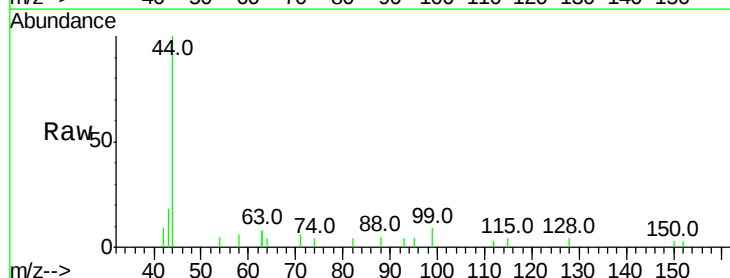
Tgt Ion: 99 Resp: 207

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

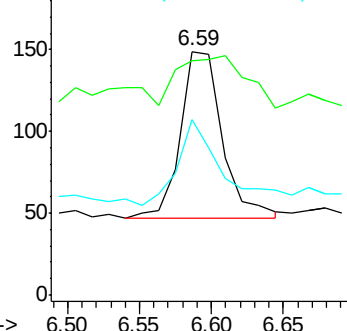
71 52.7 28.4 42.6#



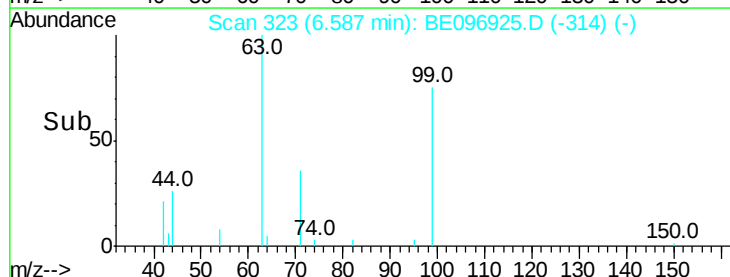
Abundance Ion 99.00 (98.70 to 99.70): BE0

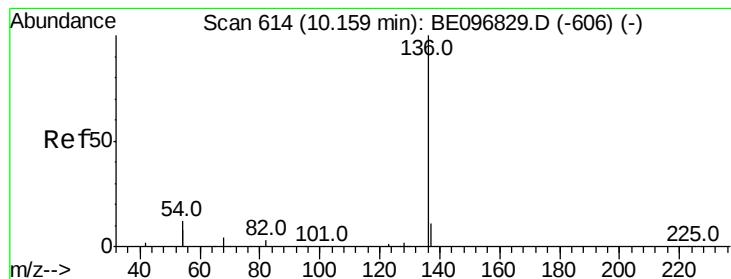
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

Instrument :

BNA_E

ClientSampleId :

TT101D1-071018DL

Tot Ion:136 Resp: 12069

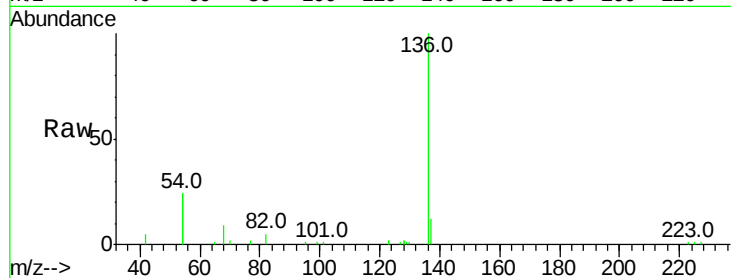
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 48.6 29.1 43.7#

68 9.4 6.2 9.2#

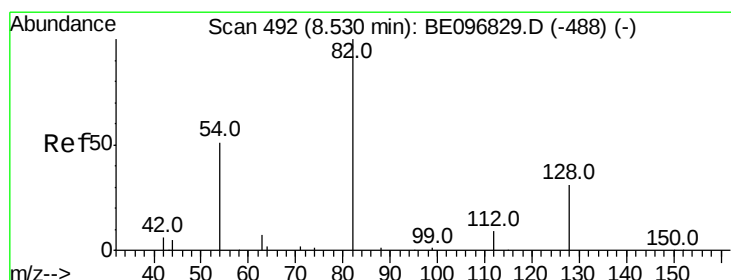
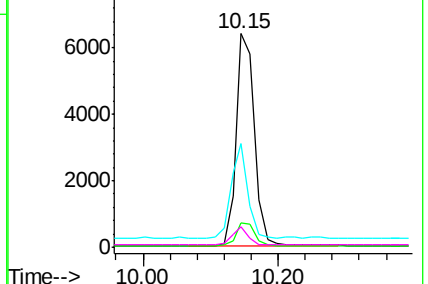
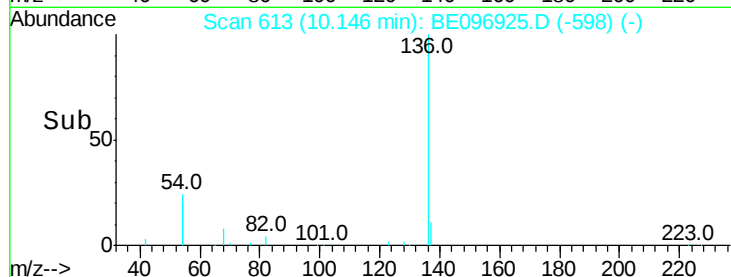


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.106 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

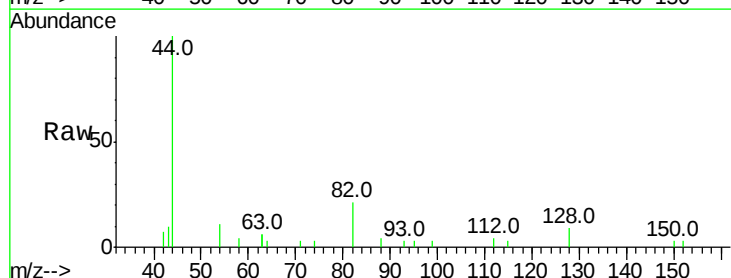
Tgt Ion: 82 Resp: 776

Ion Ratio Lower Upper

82 100

128 43.3 24.0 36.0#

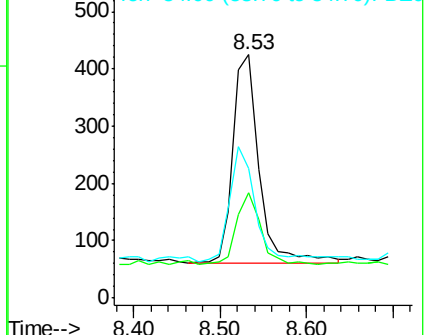
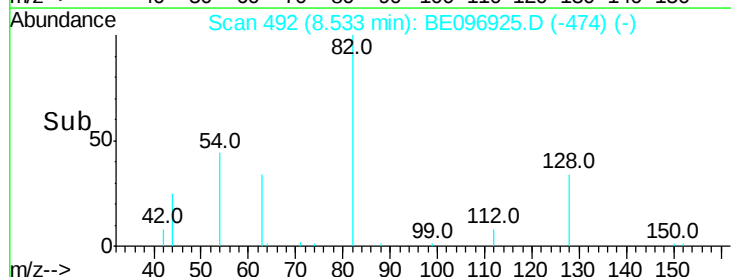
54 53.4 40.0 60.0

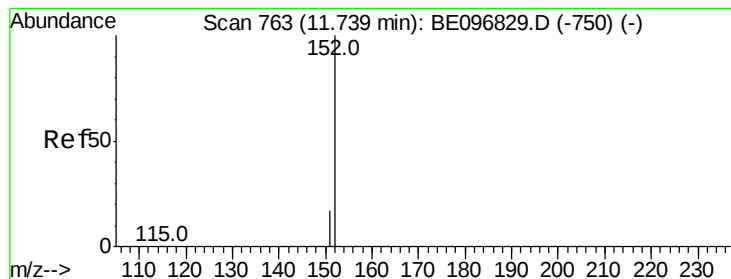


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.085 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

Instrument :

BNA_E

ClientSampleId :

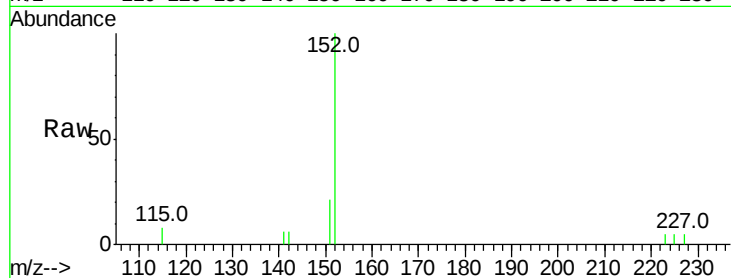
TT101D1-071018DL

Tot Ion:152 Resp: 1482

Ion Ratio Lower Upper

152 100

151 20.4 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

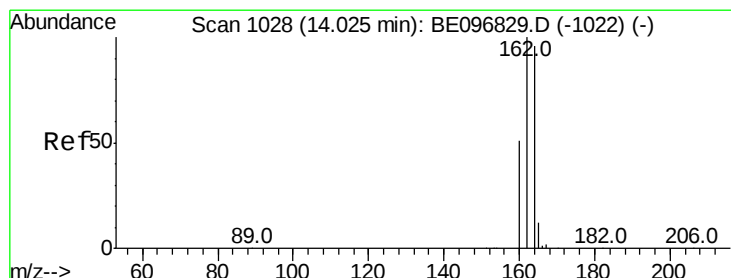
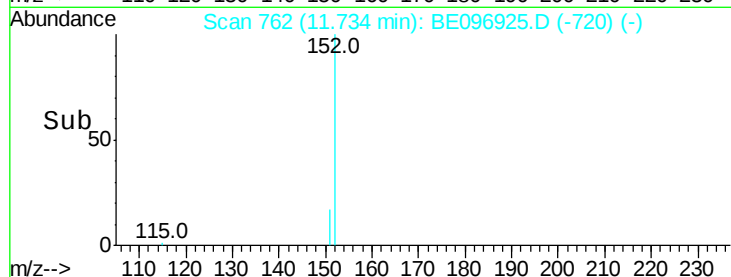
600

400

200

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

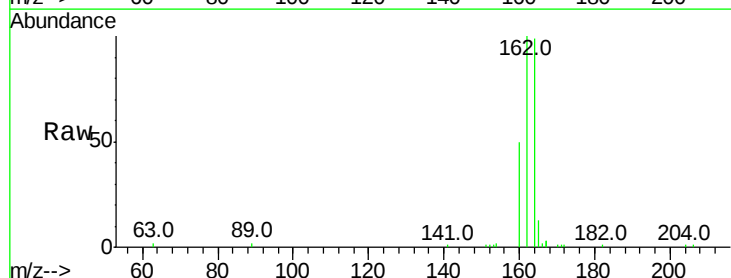
Tgt Ion:164 Resp: 6711

Ion Ratio Lower Upper

164 100

162 100.8 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

5000

4000

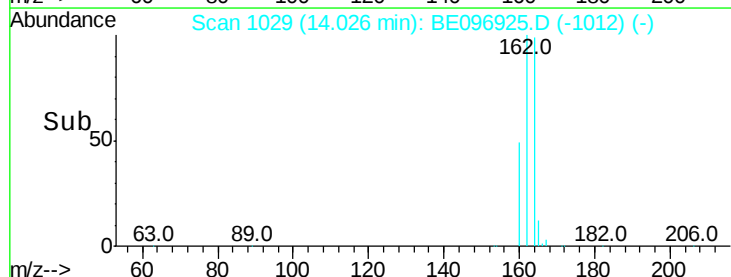
3000

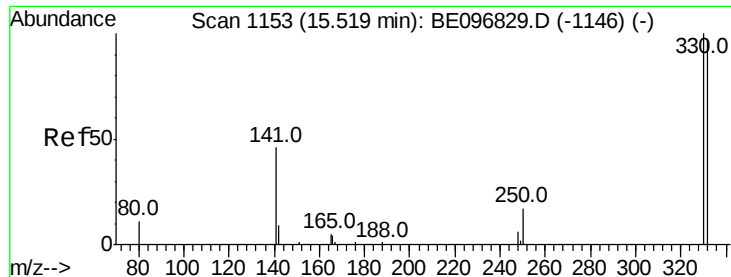
2000

1000

0

Time-->

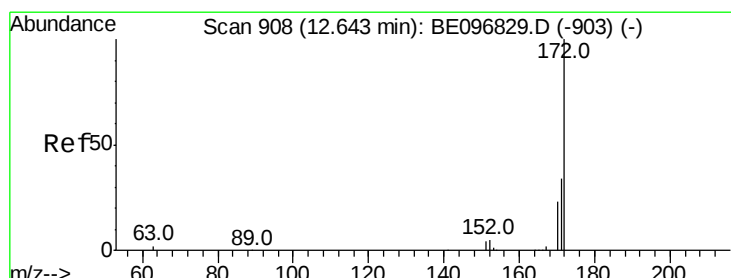
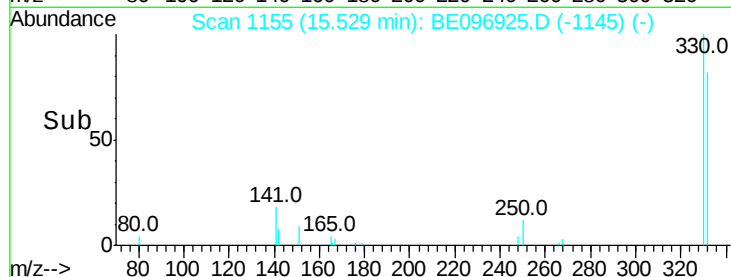
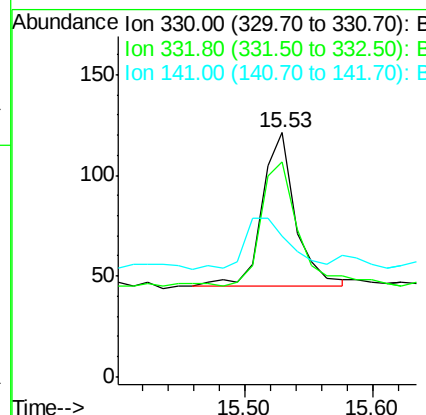
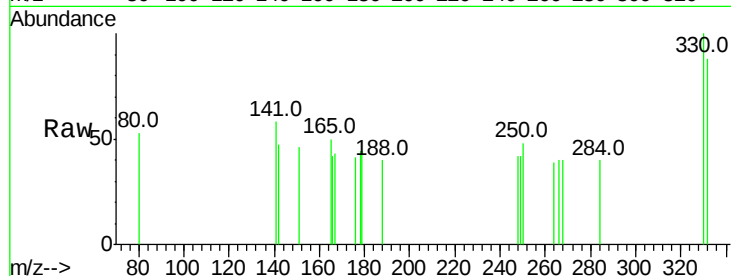




#14
 2,4,6-Tribromophenol
 Concen: 0.224 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: BE096925.D
 Acq: 14 Jul 2018 5:02

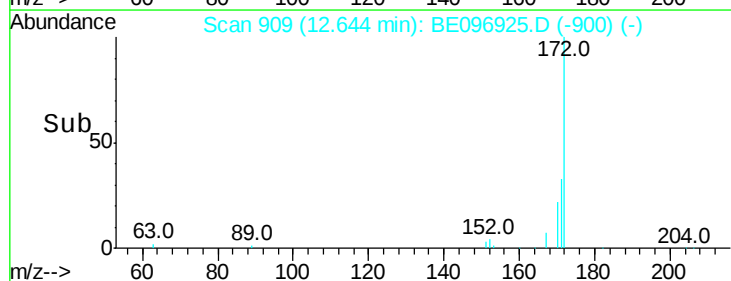
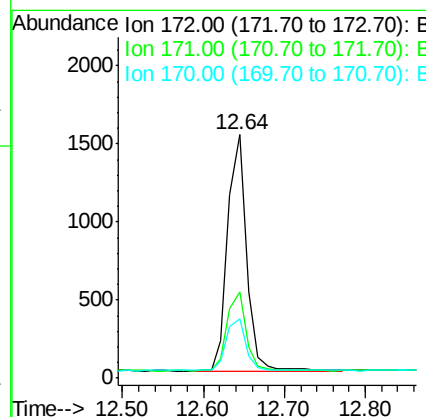
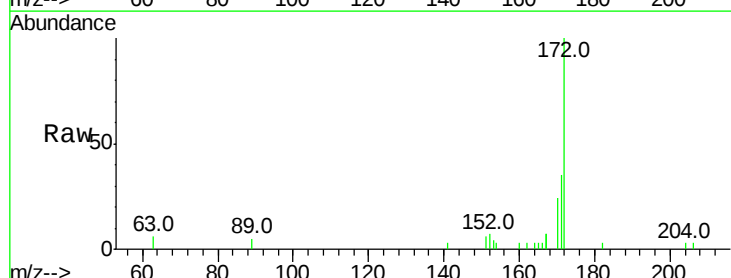
Instrument :
 BNA_E
 ClientSampleId :
 TT101D1-071018DL

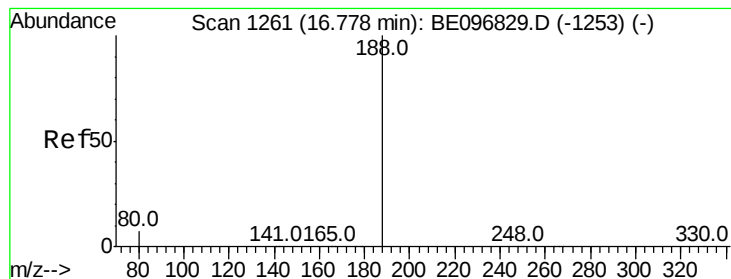
Tot Ion:330 Resp: 139
 Ion Ratio Lower Upper
 330 100
 332 86.3 152.7 229.1#
 141 0.0 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.100 ng
 RT: 12.64 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BE096925.D
 Acq: 14 Jul 2018 5:02

Tgt Ion:172 Resp: 2448
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.9 44.9
 170 24.2 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

Instrument :

BNA_E

ClientSampleId :

TT101D1-071018DL

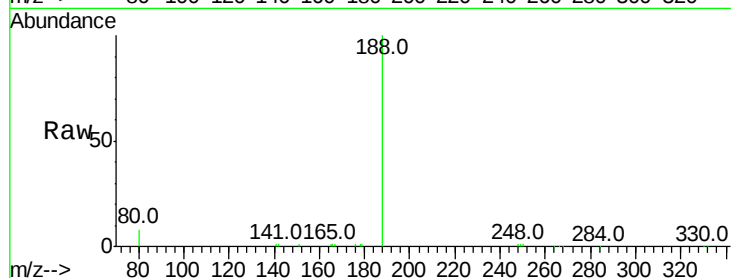
Tot Ion:188 Resp: 16050

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

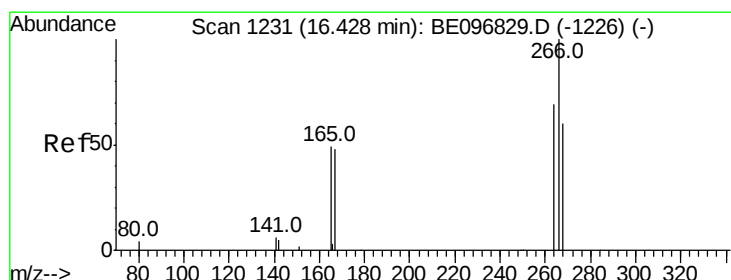
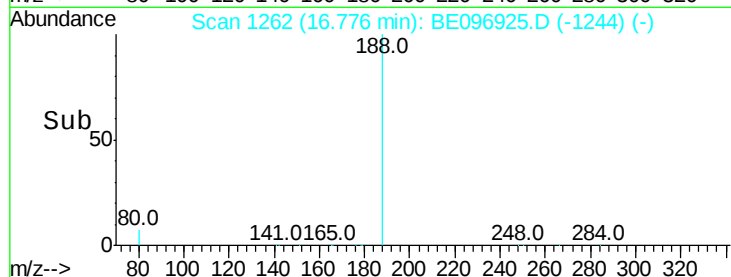
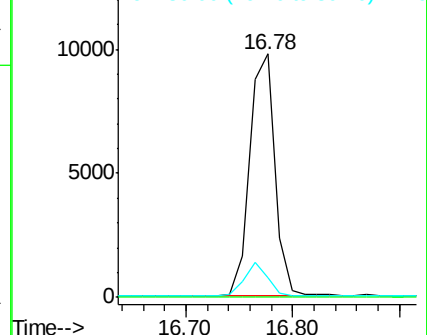
80 7.9 3.6 5.4#



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: 0.036 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

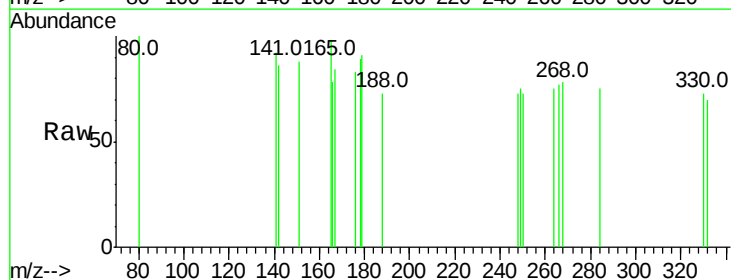
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 98.0 72.5 108.7

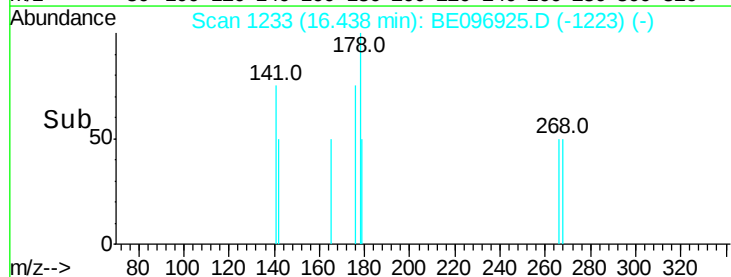
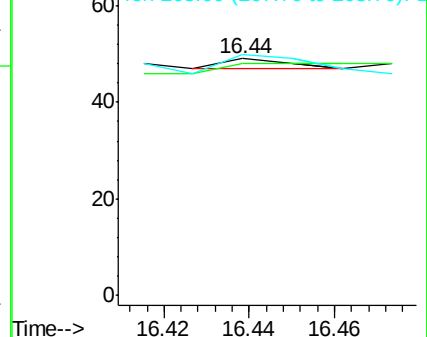
268 102.0 73.8 110.6

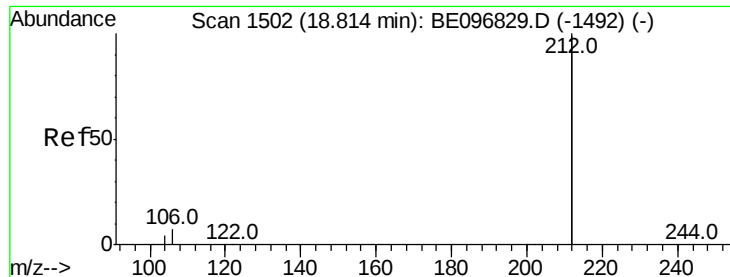


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.087 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

Instrument :

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ClientSampleId :

TT101D1-071018DL

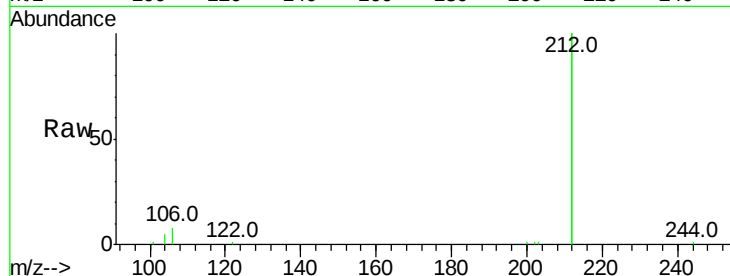
Tot Ion:212 Resp: 12316

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

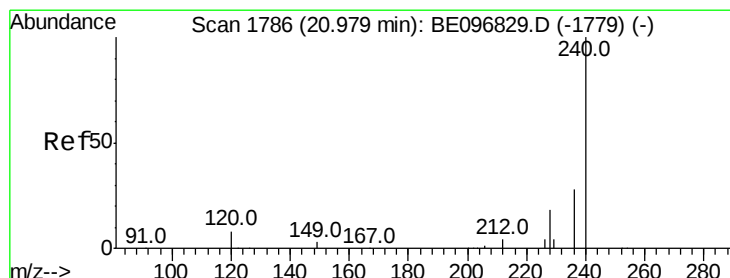
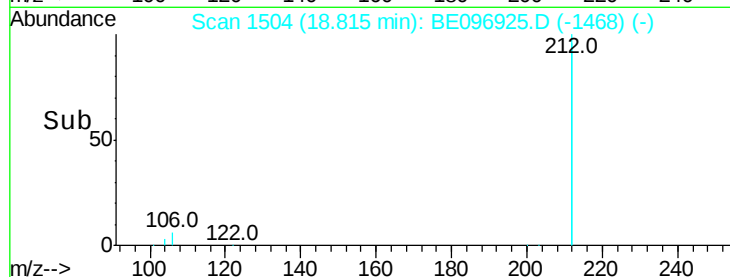
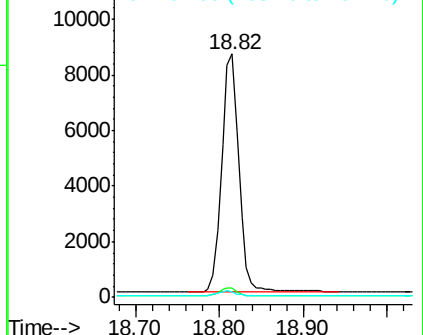
104 1.9 1.6 2.4



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# 1788

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

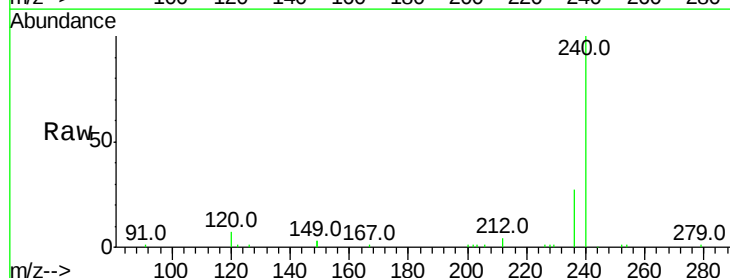
Tgt Ion:240 Resp: 13285

Ion Ratio Lower Upper

240 100

120 6.7 5.5 8.3

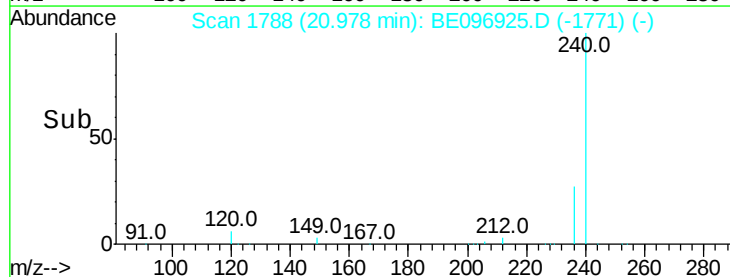
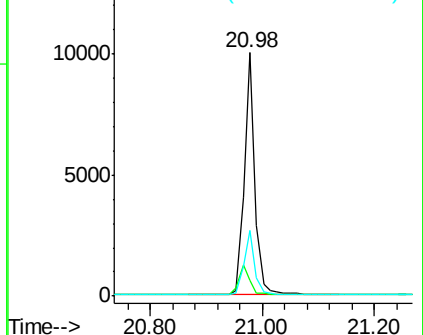
236 27.0 20.7 31.1

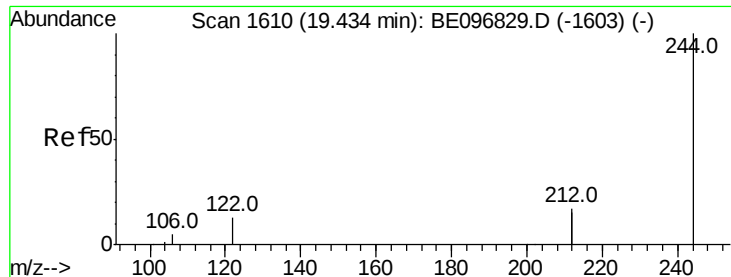


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.123 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

Instrument :

BNA_E

ClientSampleId :

TT101D1-071018DL

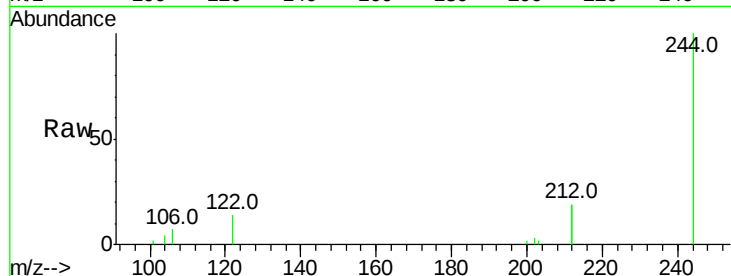
Tot Ion:244 Resp: 3144

Ion Ratio Lower Upper

244 100

212 38.9 25.4 38.0#

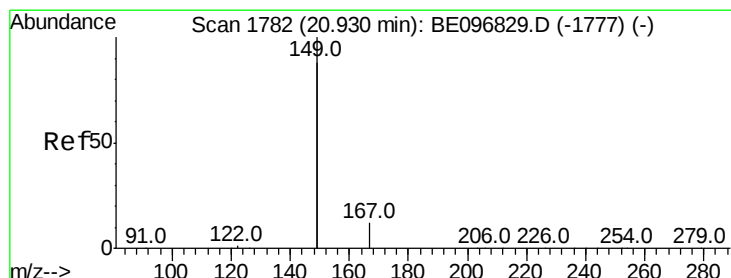
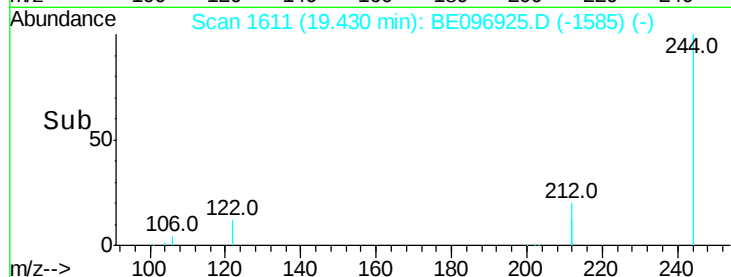
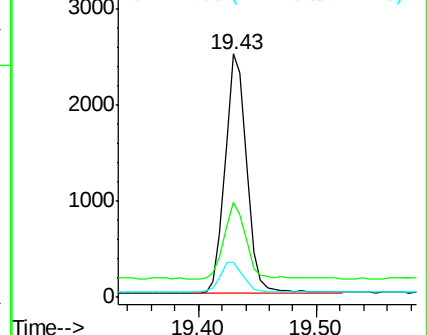
122 14.2 8.1 12.1#



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: 0.053 ng

RT: 20.93 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE096925.D

Acq: 14 Jul 2018 5:02

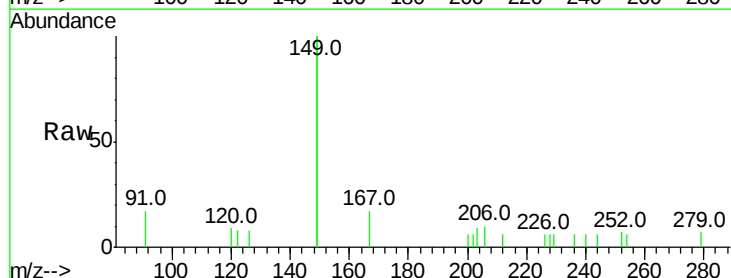
Tgt Ion:149 Resp: 1398

Ion Ratio Lower Upper

149 100

167 7.7 5.4 8.0

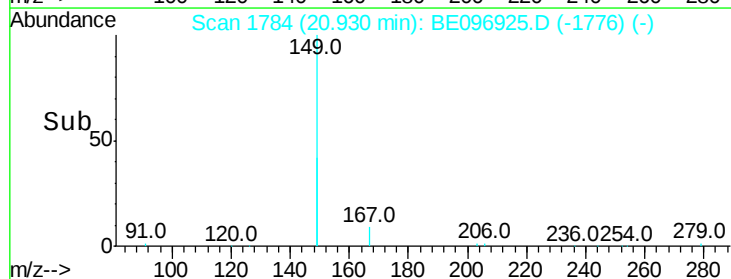
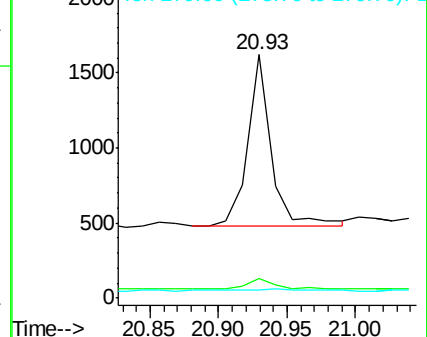
279 2.3 0.7 1.1#

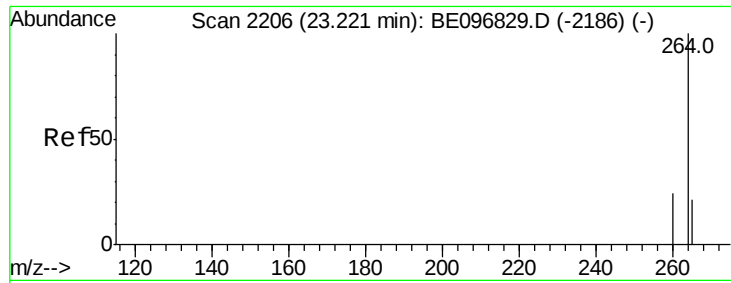


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

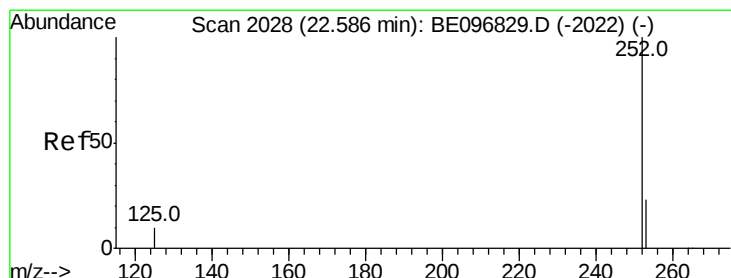
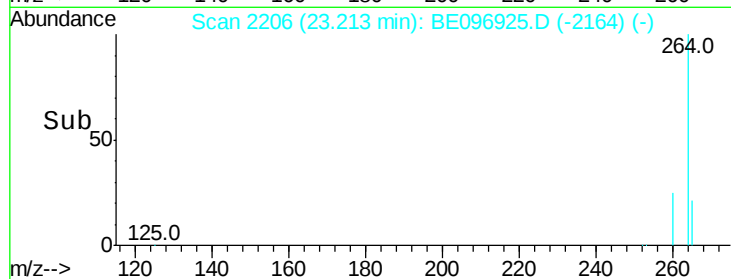
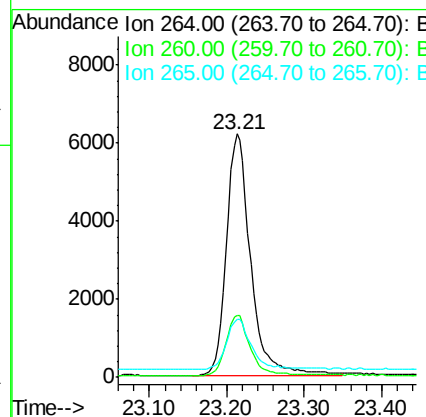
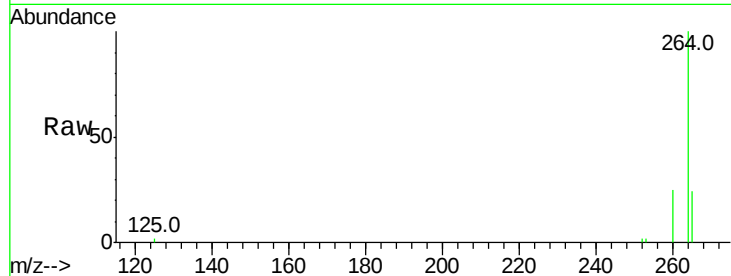




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE096925.D
Acq: 14 Jul 2018 5:02

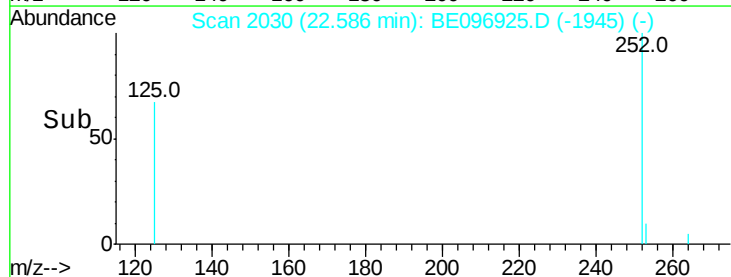
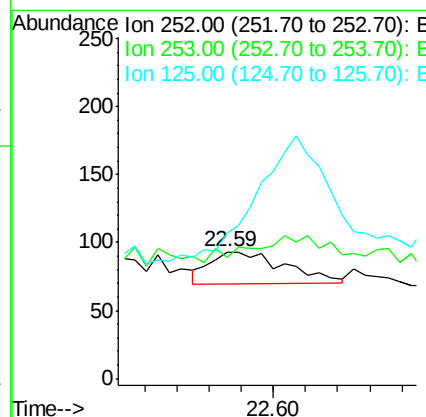
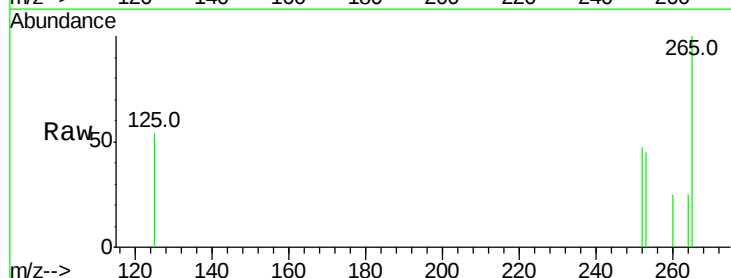
Instrument :
BNA_E
ClientSampleId :
TT101D1-071018DL

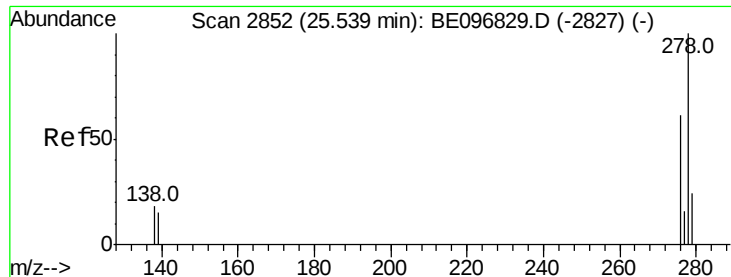
Tot Ion:264 Resp: 13403
Ion Ratio Lower Upper
264 100
260 25.3 20.5 30.7
265 23.7 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.084 ng
RT: 22.59 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BE096925.D
Acq: 14 Jul 2018 5:02

Tgt Ion:252 Resp: 39
Ion Ratio Lower Upper
252 100
253 95.7 16.0 24.0#
125 115.1 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.52 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE096925.D

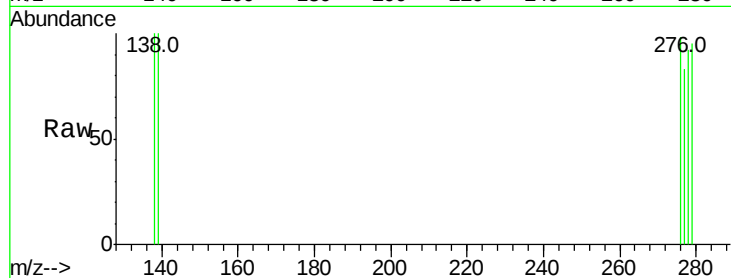
Acq: 14 Jul 2018 5:02

Instrument :

BNA_E

ClientSampleId :

TT101D1-071018DL



Tot Ion:278 Resp: 10

Ion Ratio Lower Upper

278 100

139 109.1 16.0 24.0#

279 103.6 20.0 30.0#

