

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096910.D
 Acq On : 13 Jul 2018 17:16
 Operator : SJ/JU
 Sample : J3170-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE120D2-071118

Quant Time: Jul 13 18:00:11 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

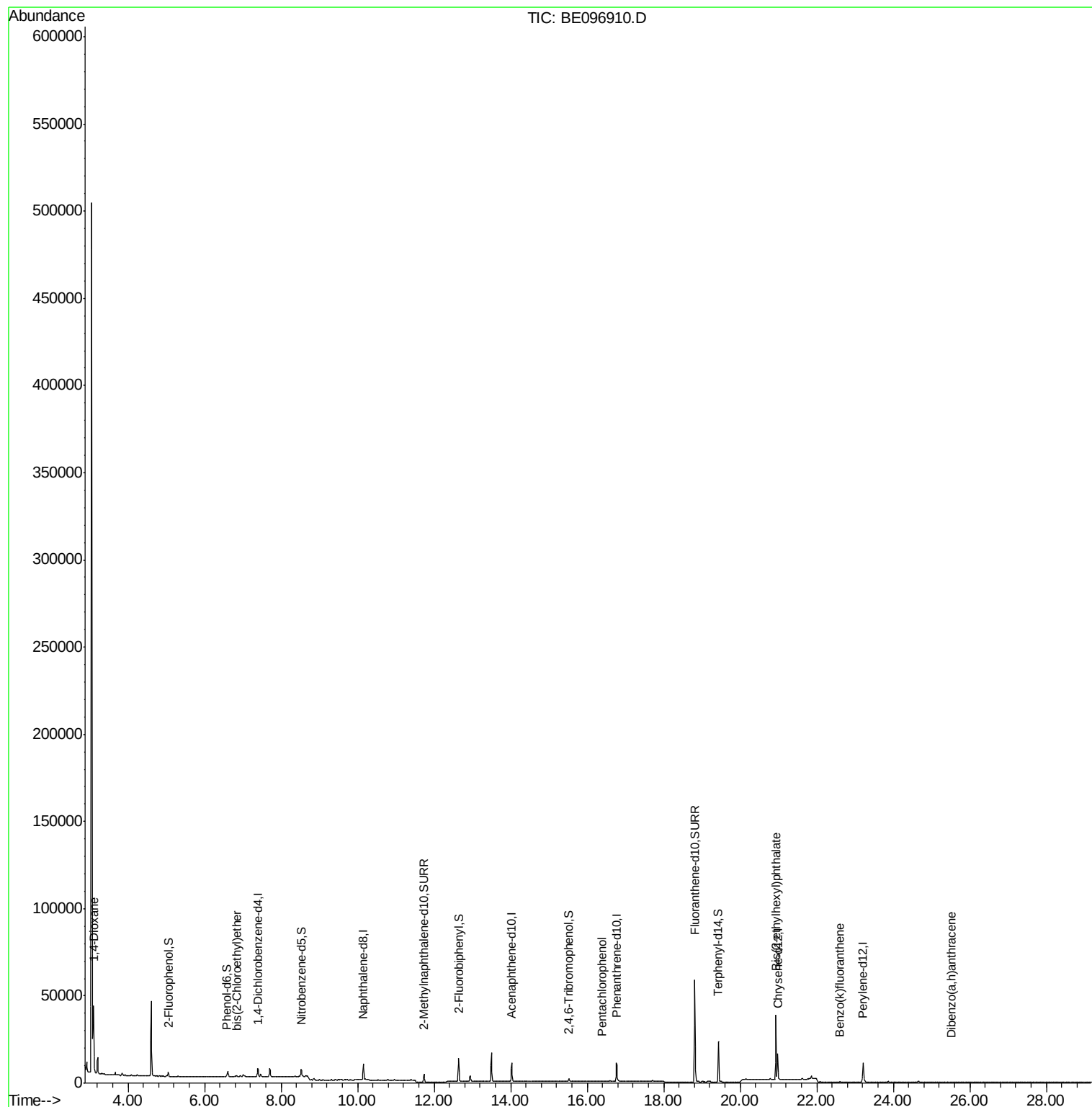
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2042	0.40	ng	0.01
7) Naphthalene-d8	10.15	136	10230	0.40	ng	0.00
13) Acenaphthene-d10	14.02	164	5808	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	15814	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14982	0.40	ng	0.00
34) Perylene-d12	23.21	264	15051	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1141	0.25	ng	0.00
5) Phenol-d6	6.59	99	945	0.14	ng	0.00
8) Nitrobenzene-d5	8.52	82	3511	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6817	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	820	0.57	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	12059	0.57	ng	0.00
25) Fluoranthene-d10	18.81	212	76946	0.55	ng	0.00
29) Terphenyl-d14	19.43	244	20103	0.70	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.10	88	18391	6.010	ng	Qvalue # 90
6) bis(2-Chloroethyl)ether	6.84	93	214	0.029	ng	85
22) Pentachlorophenol	16.39	266	10	0.043	ng	93
32) Bis(2-ethylhexyl)phthalate	20.93	149	36757	1.236	ng	100
36) Benzo(k)fluoranthene	22.58	252	11	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	3	0.109	ng	# 1

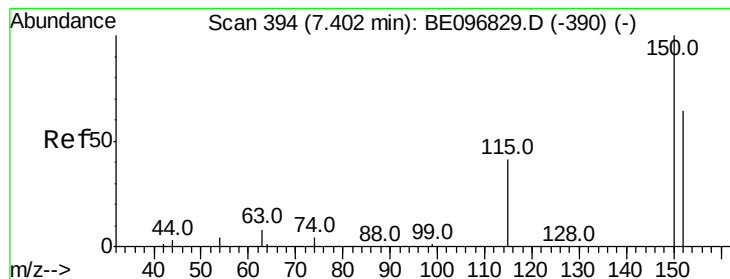
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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Quant Time: Jul 13 18:00:11 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: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Instrument :

BNA_E

ClientSampleId :

RE120D2-071118

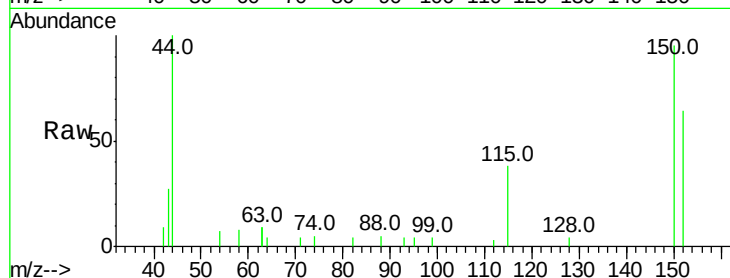
Tot Ion:152 Resp: 2042

Ion Ratio Lower Upper

152 100

150 148.4 117.2 175.8

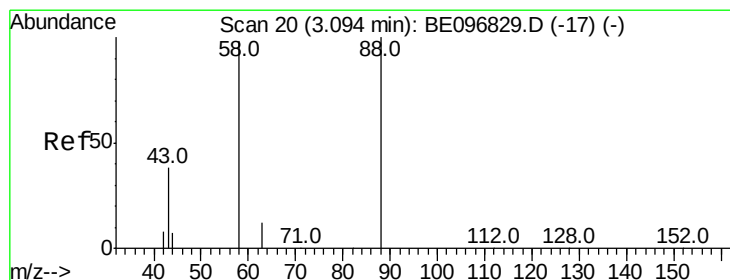
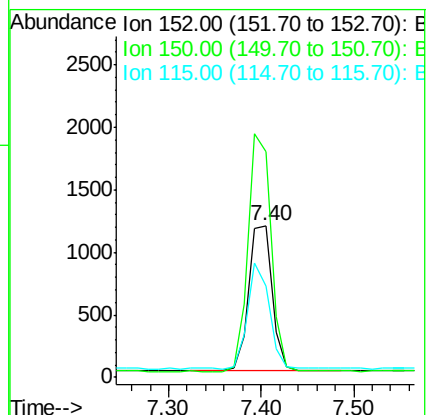
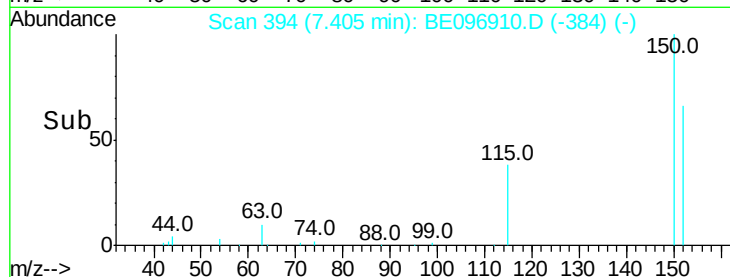
115 59.9 57.0 85.6



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: 6.010 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

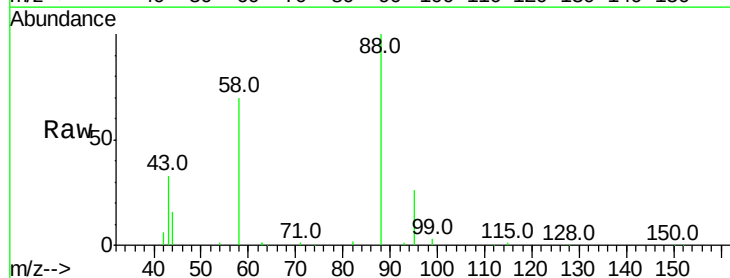
Tgt Ion: 88 Resp: 18391

Ion Ratio Lower Upper

88 100

58 81.2 63.2 94.8

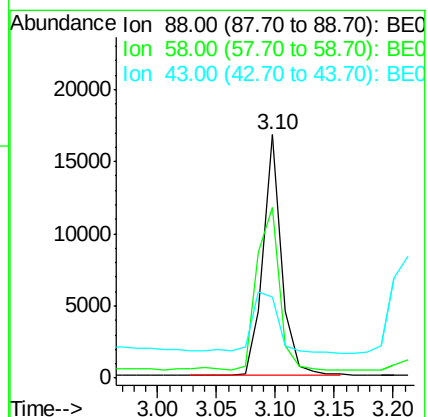
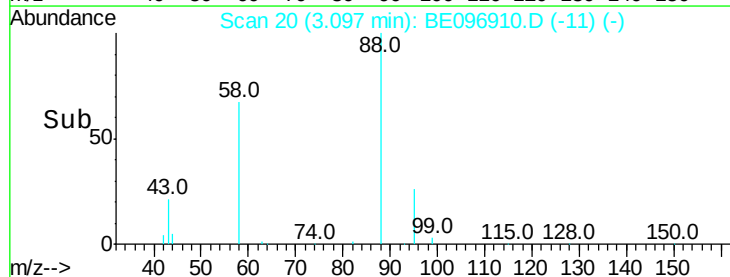
43 36.5 41.2 61.8#

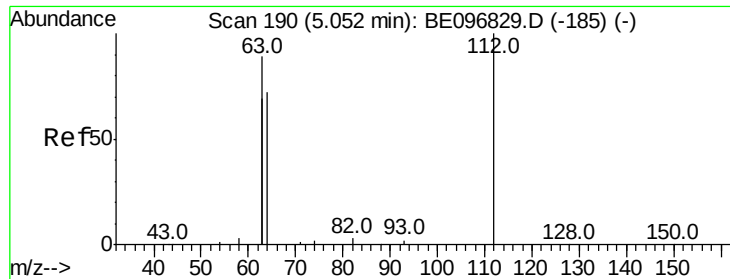


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.250 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Instrument :

BNA_E

ClientSampleId :

RE120D2-071118

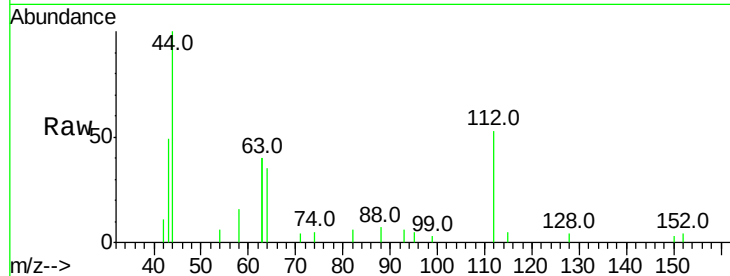
Tot Ion:112 Resp: 1141

Ion Ratio Lower Upper

112 100

64 65.1 60.1 90.1

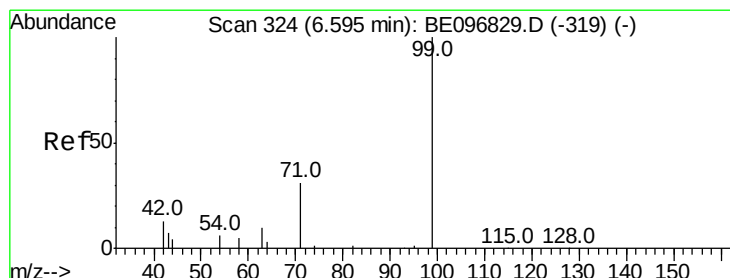
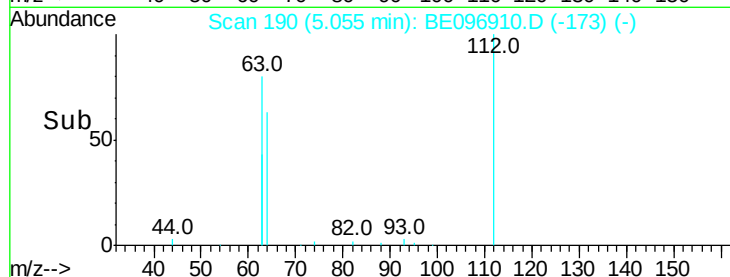
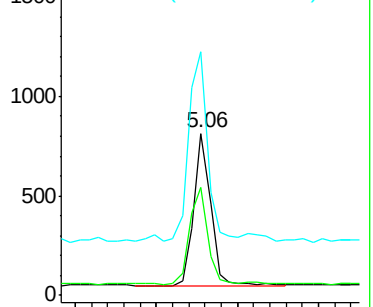
63 137.1 116.8 175.2



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: 0.139 ng

RT: 6.59 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

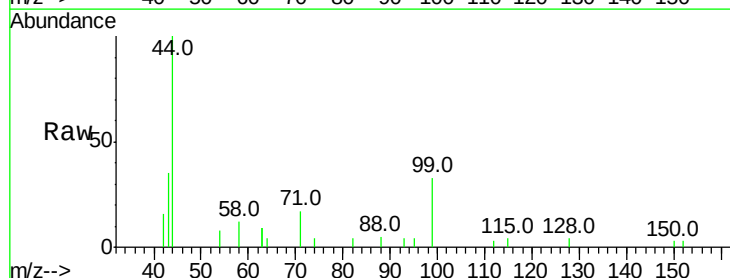
Tgt Ion: 99 Resp: 945

Ion Ratio Lower Upper

99 100

42 33.2 20.2 30.2#

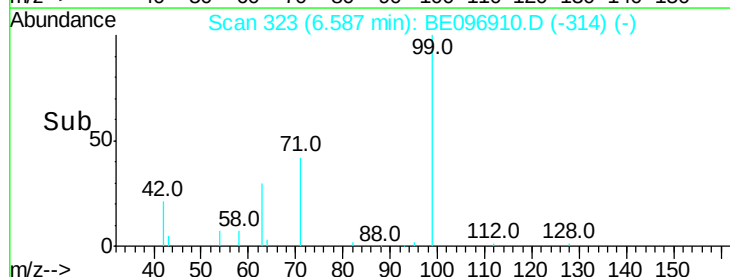
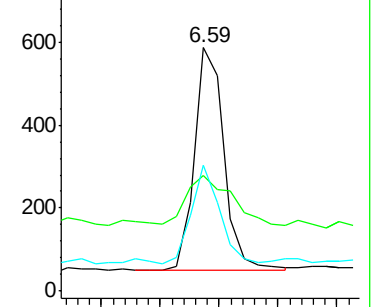
71 42.1 28.4 42.6

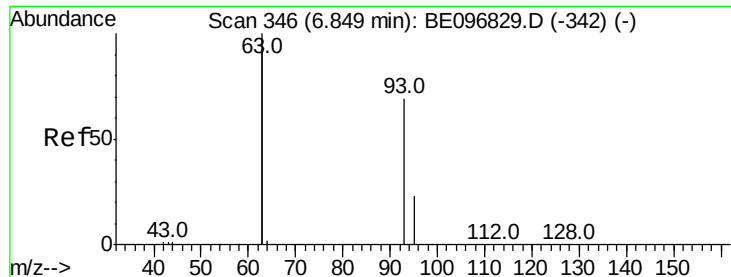


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.029 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Instrument :

BNA_E

ClientSampleId :

RE120D2-071118

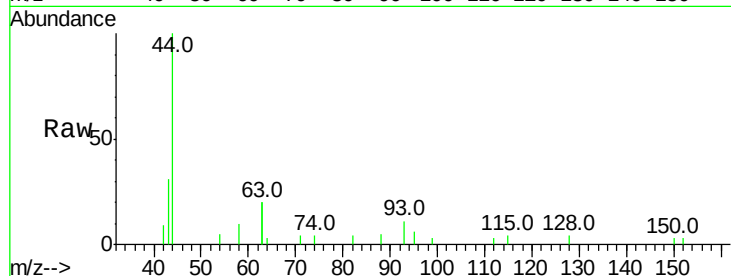
Tot Ion: 93 Resp: 214

Ion Ratio Lower Upper

93 100

63 310.7 275.3 412.9

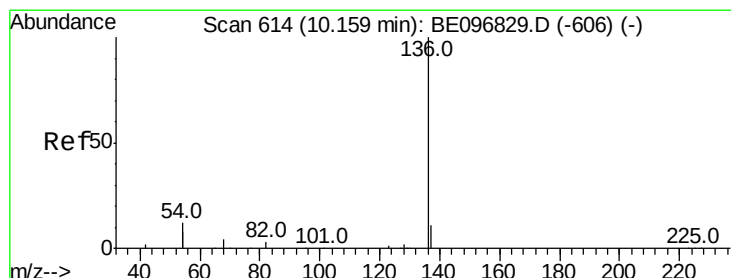
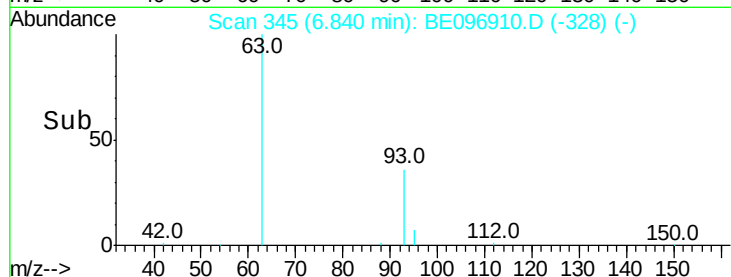
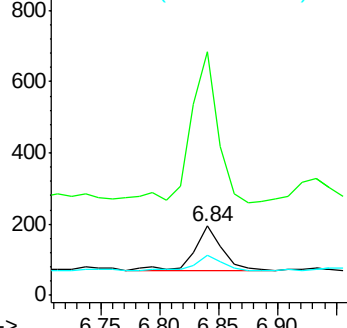
95 36.0 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Tgt Ion: 136 Resp: 10230

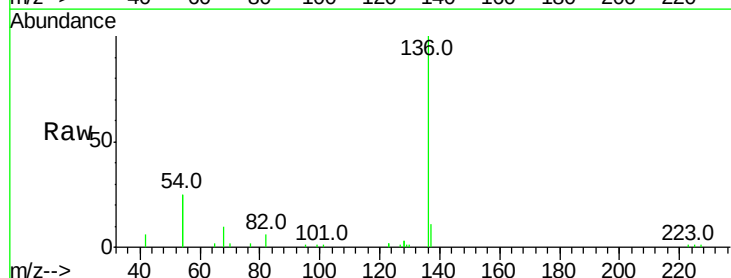
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 50.4 29.1 43.7#

68 9.6 6.2 9.2#

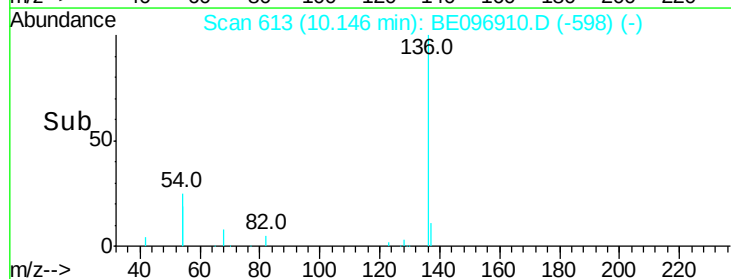
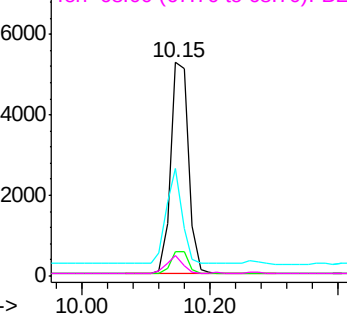


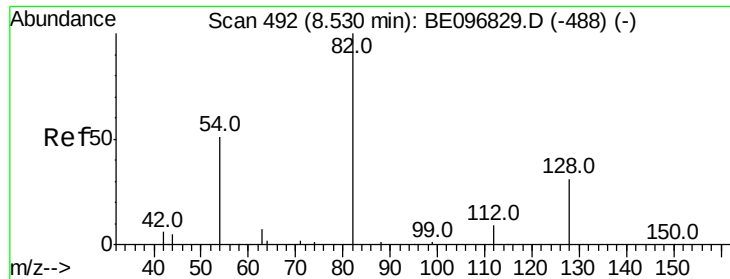
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.567 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Instrument :

BNA_E

ClientSampleId :

RE120D2-071118

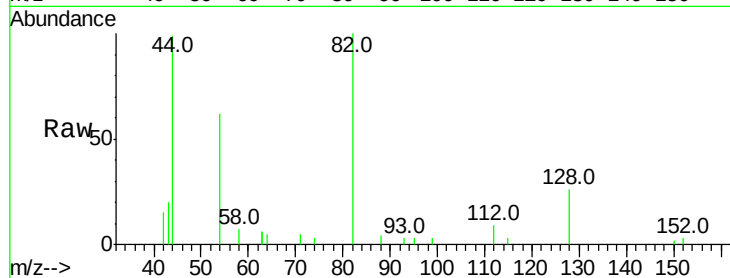
Tot Ion: 82 Resp: 3511

Ion Ratio Lower Upper

82 100

128 25.9 24.0 36.0

54 62.0 40.0 60.0#

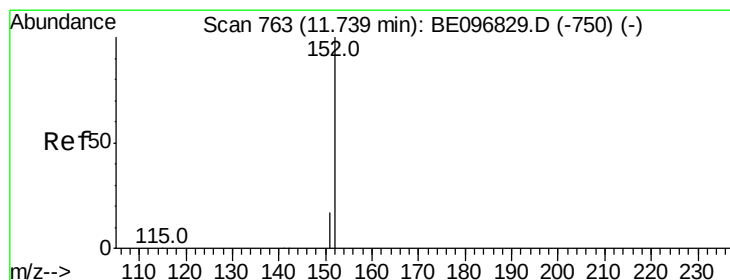
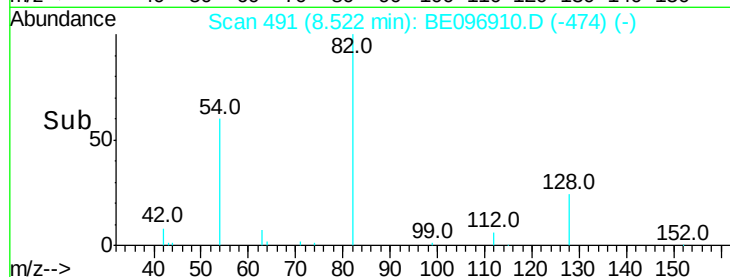


Abundance Ion 82.00 (81.70 to 82.70): BE096910.D (-474) (-)

Ion 128.00 (127.70 to 128.70): BE096910.D (-474) (-)

Ion 54.00 (53.70 to 54.70): BE096910.D (-474) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.463 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096910.D

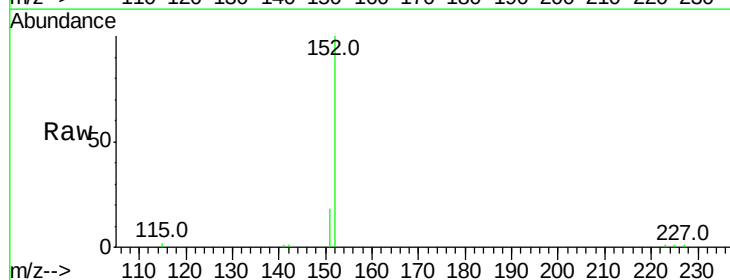
Acq: 13 Jul 2018 17:16

Tgt Ion: 152 Resp: 6817

Ion Ratio Lower Upper

152 100

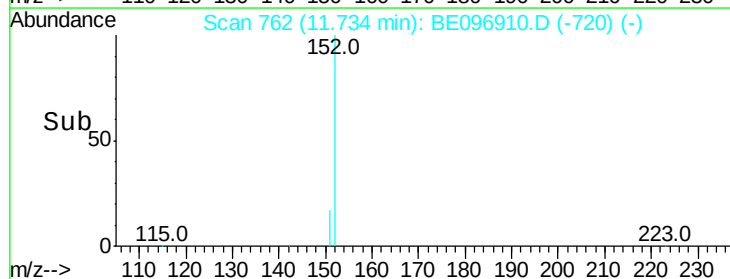
151 20.1 15.4 23.0

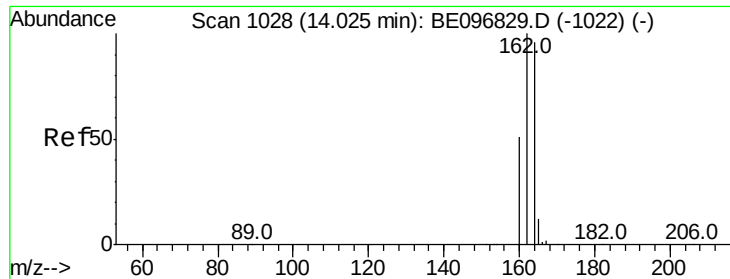


Abundance Ion 152.00 (151.70 to 152.70): BE096910.D (-720) (-)

Ion 151.00 (150.70 to 151.70): BE096910.D (-720) (-)

Time-->

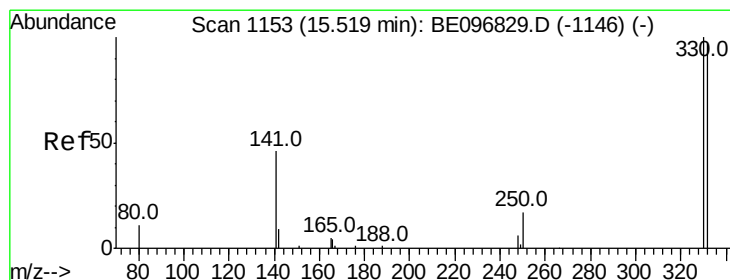
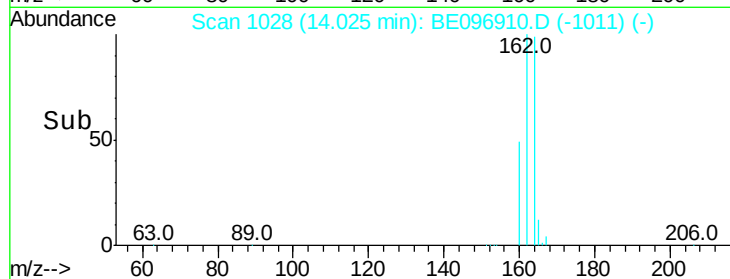
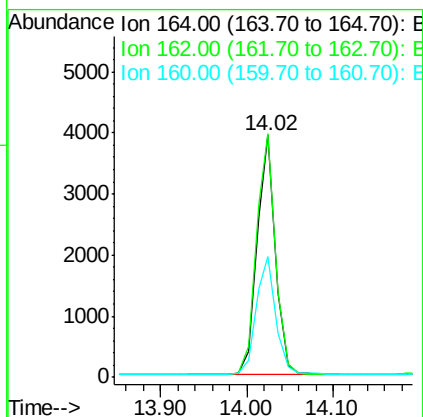
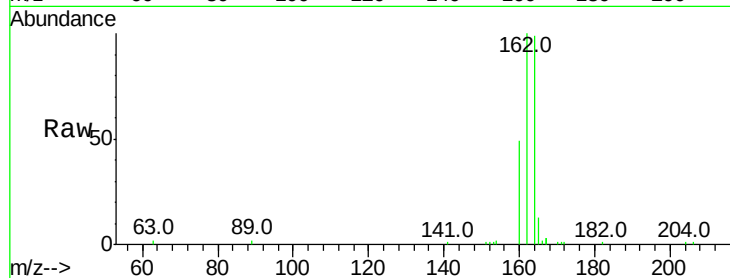




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.02 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE096910.D
 Acq: 13 Jul 2018 17:16

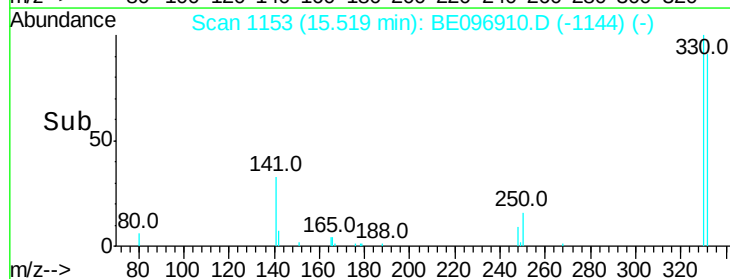
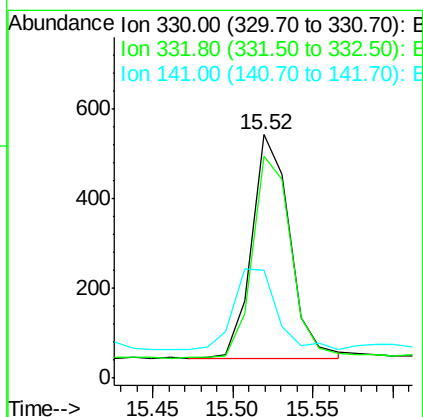
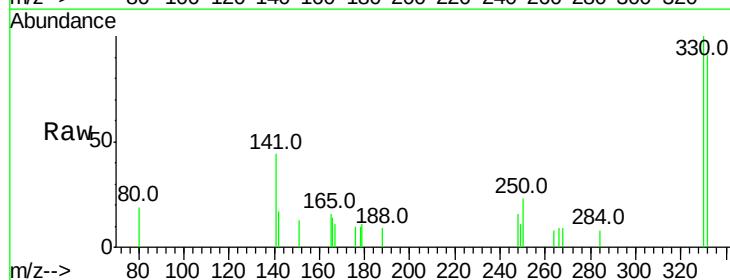
Instrument :
 BNA_E
 ClientSampleId :
 RE120D2-071118

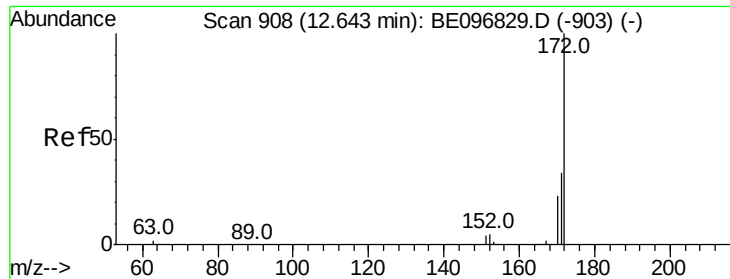
Tot Ion:164 Resp: 5808
 Ion Ratio Lower Upper
 164 100
 162 100.7 83.1 124.7
 160 49.7 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.567 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE096910.D
 Acq: 13 Jul 2018 17:16

Tgt Ion:330 Resp: 820
 Ion Ratio Lower Upper
 330 100
 332 91.7 152.7 229.1#
 141 40.7 33.7 50.5

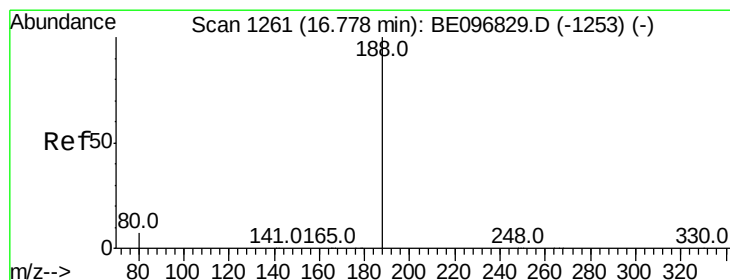
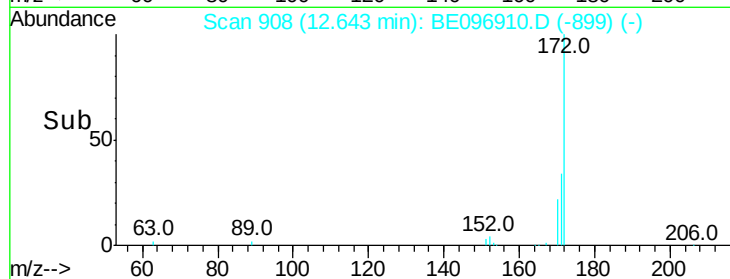
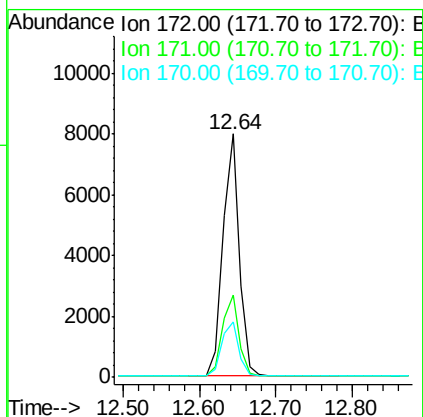
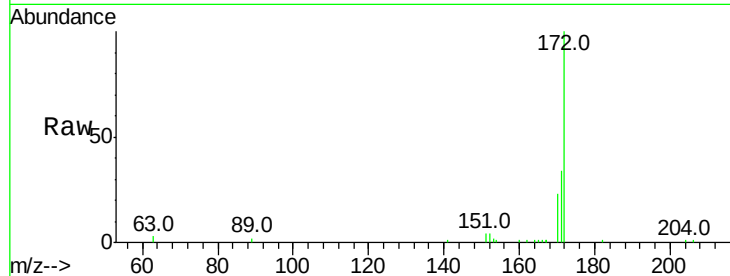




#15
2-Fluorobiphenyl
Concen: 0.567 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096910.D
Acq: 13 Jul 2018 17:16

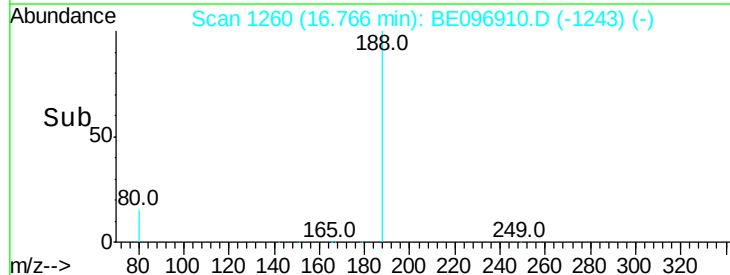
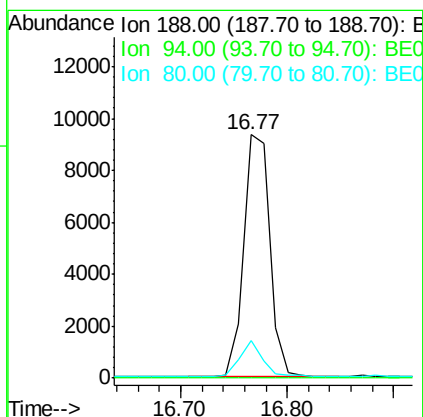
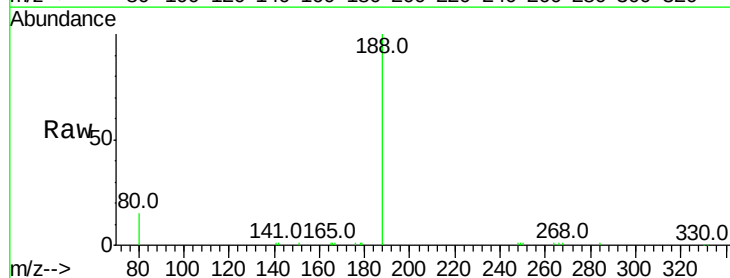
Instrument :
BNA_E
ClientSampleId :
RE120D2-071118

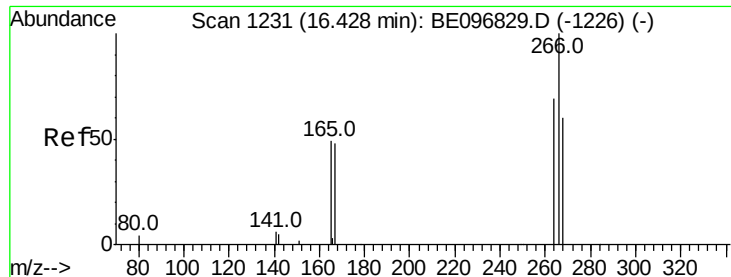
Tot Ion:172 Resp: 12059
Ion Ratio Lower Upper
172 100
171 33.9 29.9 44.9
170 22.7 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE096910.D
Acq: 13 Jul 2018 17:16

Tgt Ion:188 Resp: 15814
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.4 3.6 5.4#

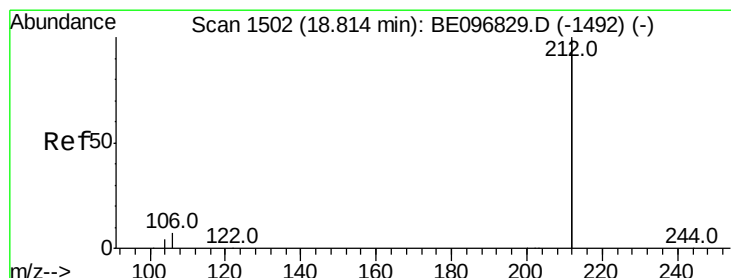
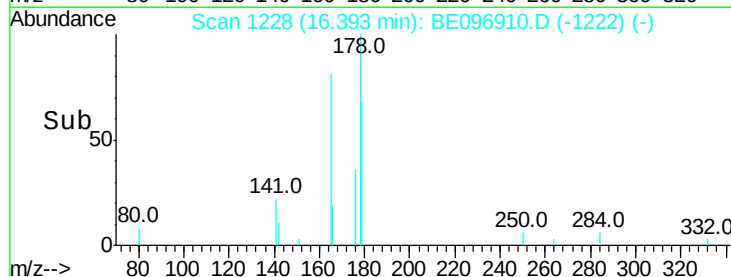
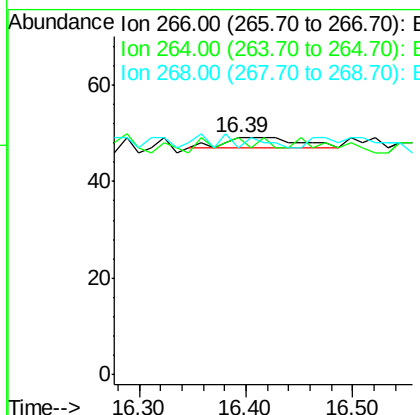
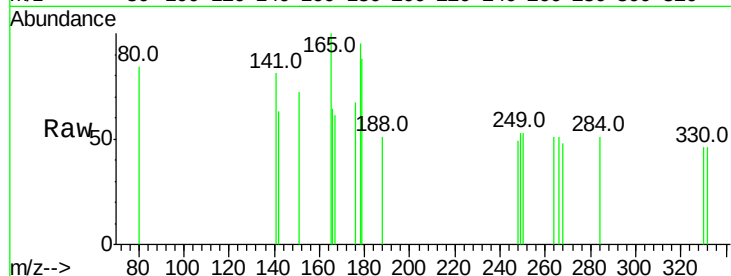




#22
 Pentachlorophenol
 Concen: 0.043 ng
 RT: 16.39 min Scan# 1228
 Delta R.T. -0.03 min
 Lab File: BE096910.D
 Acq: 13 Jul 2018 17:16

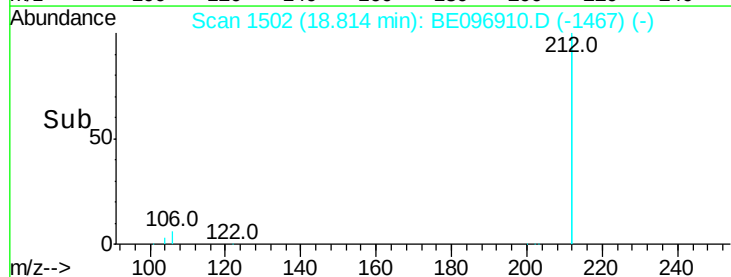
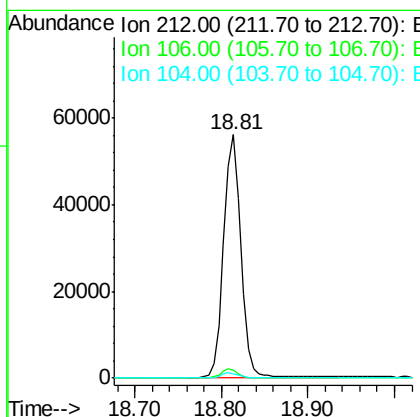
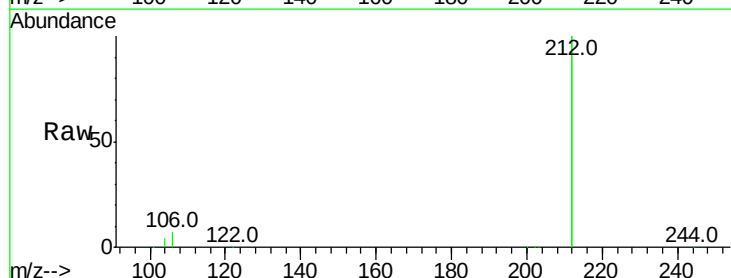
Instrument :
 BNA_E
 ClientSampleId :
 RE120D2-071118

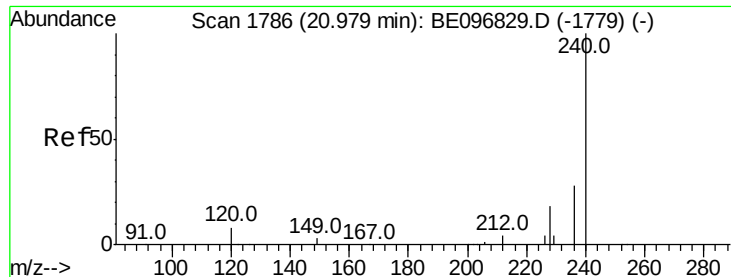
Tot Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 100.0 72.5 108.7
 268 95.9 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.553 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: BE096910.D
 Acq: 13 Jul 2018 17:16

Tgt Ion:212 Resp: 76946
 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# 1786

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Instrument :

BNA_E

ClientSampleId :

RE120D2-071118

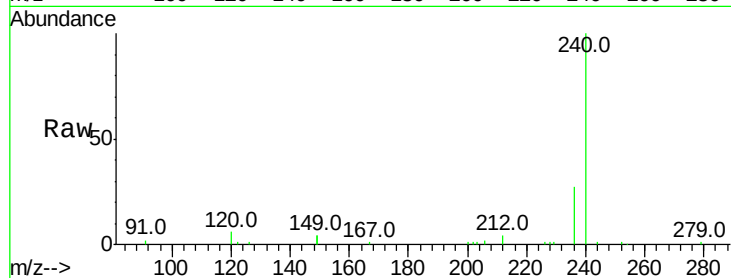
Tot Ion:240 Resp: 14982

Ion Ratio Lower Upper

240 100

120 6.2 5.5 8.3

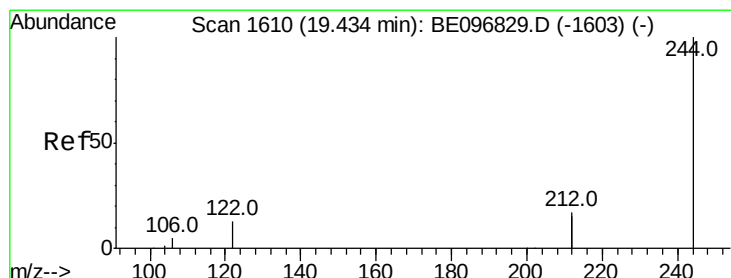
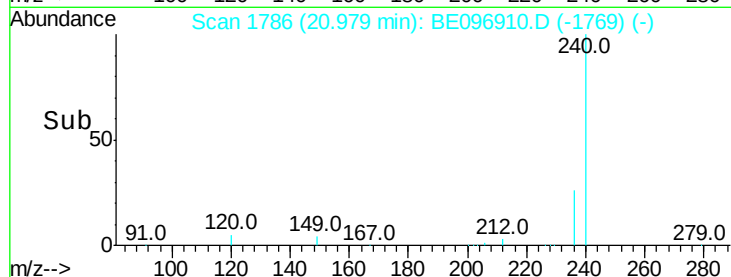
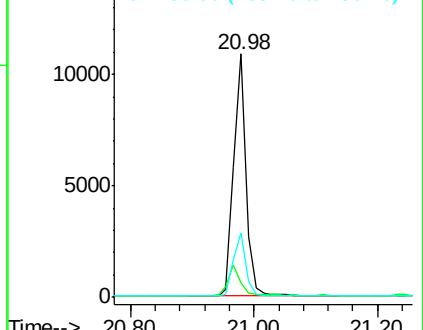
236 26.7 20.7 31.1



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: 0.695 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

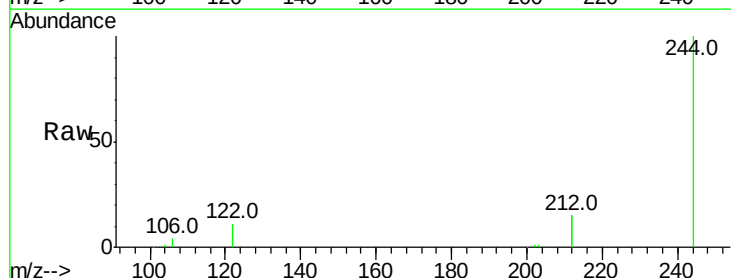
Tgt Ion:244 Resp: 20103

Ion Ratio Lower Upper

244 100

212 30.7 25.4 38.0

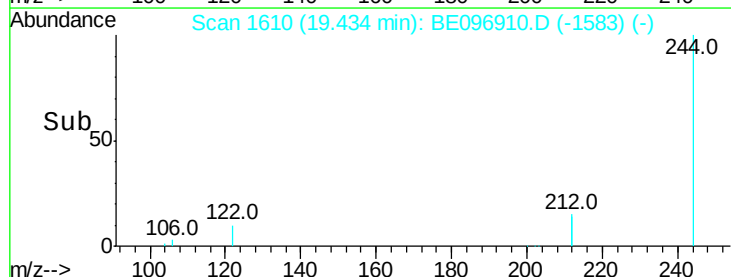
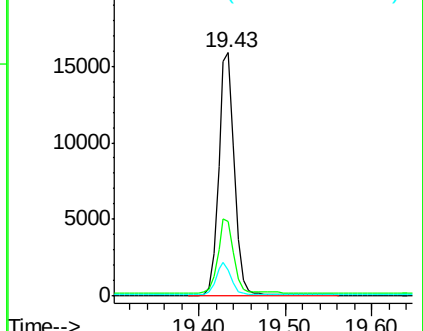
122 10.9 8.1 12.1

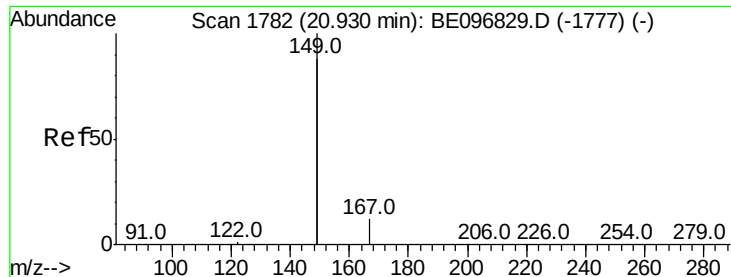


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.236 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Instrument :

BNA_E

ClientSampleId :

RE120D2-071118

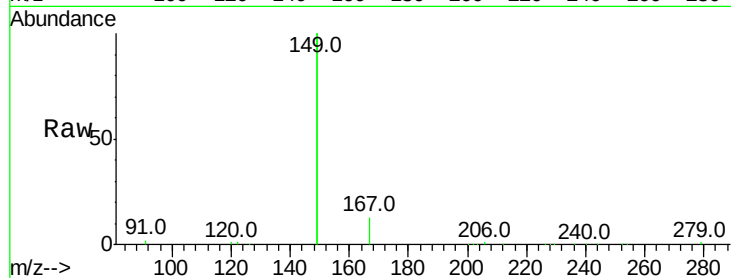
Tot Ion:149 Resp: 36757

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

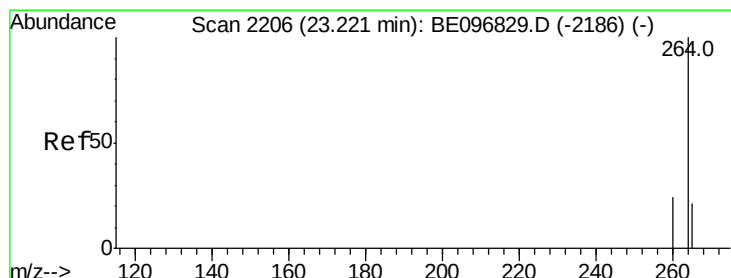
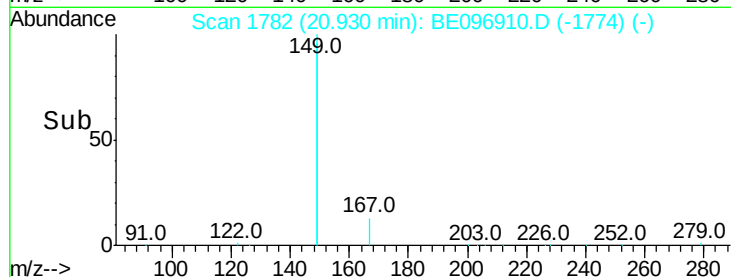
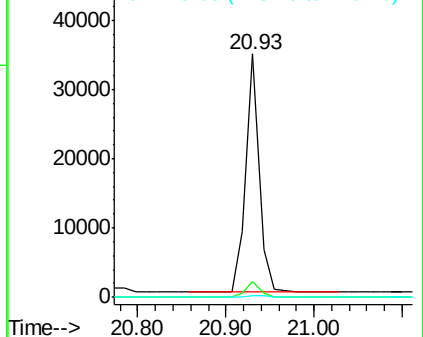
279 0.9 0.7 1.1



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# 2203

Delta R.T. -0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

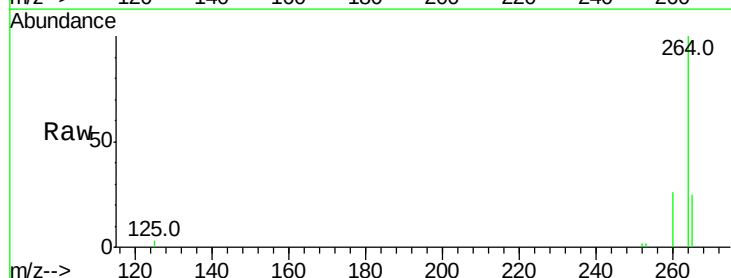
Tgt Ion:264 Resp: 15051

Ion Ratio Lower Upper

264 100

260 25.6 20.5 30.7

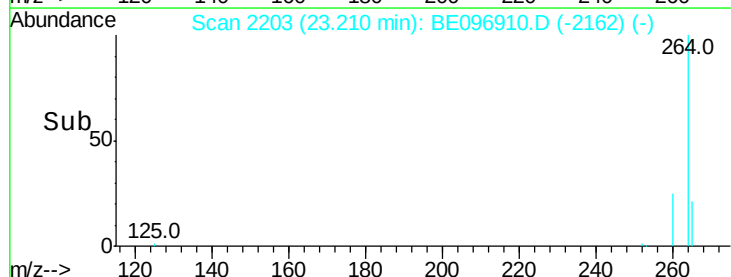
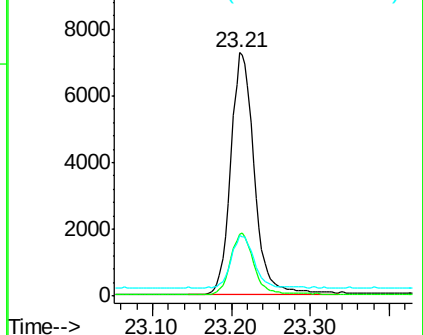
265 24.8 22.8 34.2

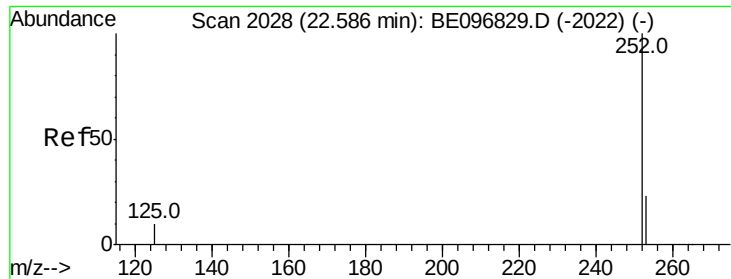


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#36

Benzo(k)fluoranthene

Concen: 0.084 ng

RT: 22.58 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

Instrument :

BNA_E

ClientSampleId :

RE120D2-071118

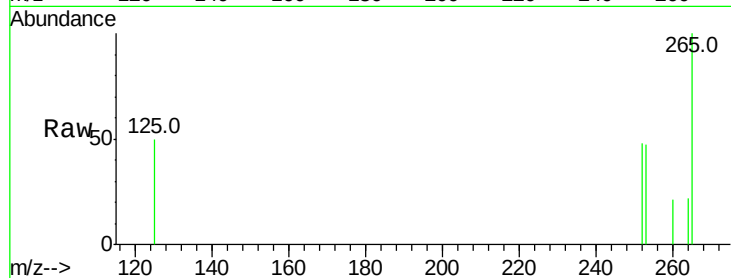
Tot Ion:252 Resp: 11

Ion Ratio Lower Upper

252 100

253 97.3 16.0 24.0#

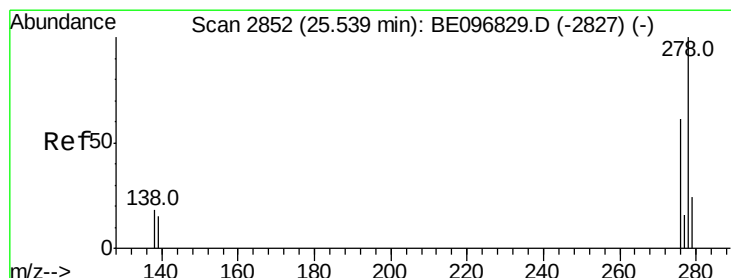
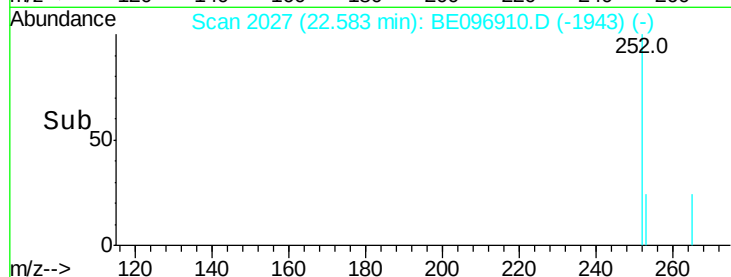
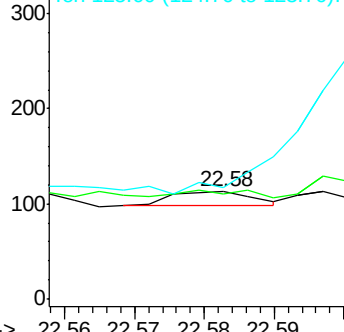
125 103.5 8.0 12.0#



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: 0.109 ng

RT: 25.52 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE096910.D

Acq: 13 Jul 2018 17:16

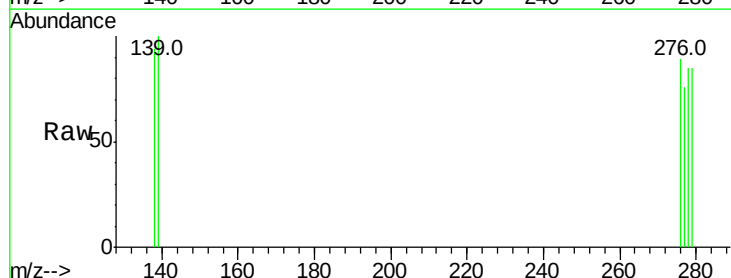
Tgt Ion:278 Resp: 3

Ion Ratio Lower Upper

278 100

139 118.0 16.0 24.0#

279 100.0 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

