

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096903.D
 Acq On : 13 Jul 2018 12:56
 Operator : SJ/JU
 Sample : J3170-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TT101D-071018

Quant Time: Jul 13 17:03:48 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	1977	0.40	ng	0.01
7) Naphthalene-d8	10.15	136	9229	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5005	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	14170	0.40	ng	0.01
27) Chrysene-d12	20.98	240	12900	0.40	ng	0.00
34) Perylene-d12	23.21	264	12785	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	966	0.22	ng	0.00
5) Phenol-d6	6.59	99	844	0.13	ng	0.00
8) Nitrobenzene-d5	8.53	82	2942	0.53	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	5971	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	615	0.51	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	10286	0.56	ng	0.00
25) Fluoranthene-d10	18.81	212	67275	0.54	ng	0.00
29) Terphenyl-d14	19.43	244	22499	0.90	ng	0.00

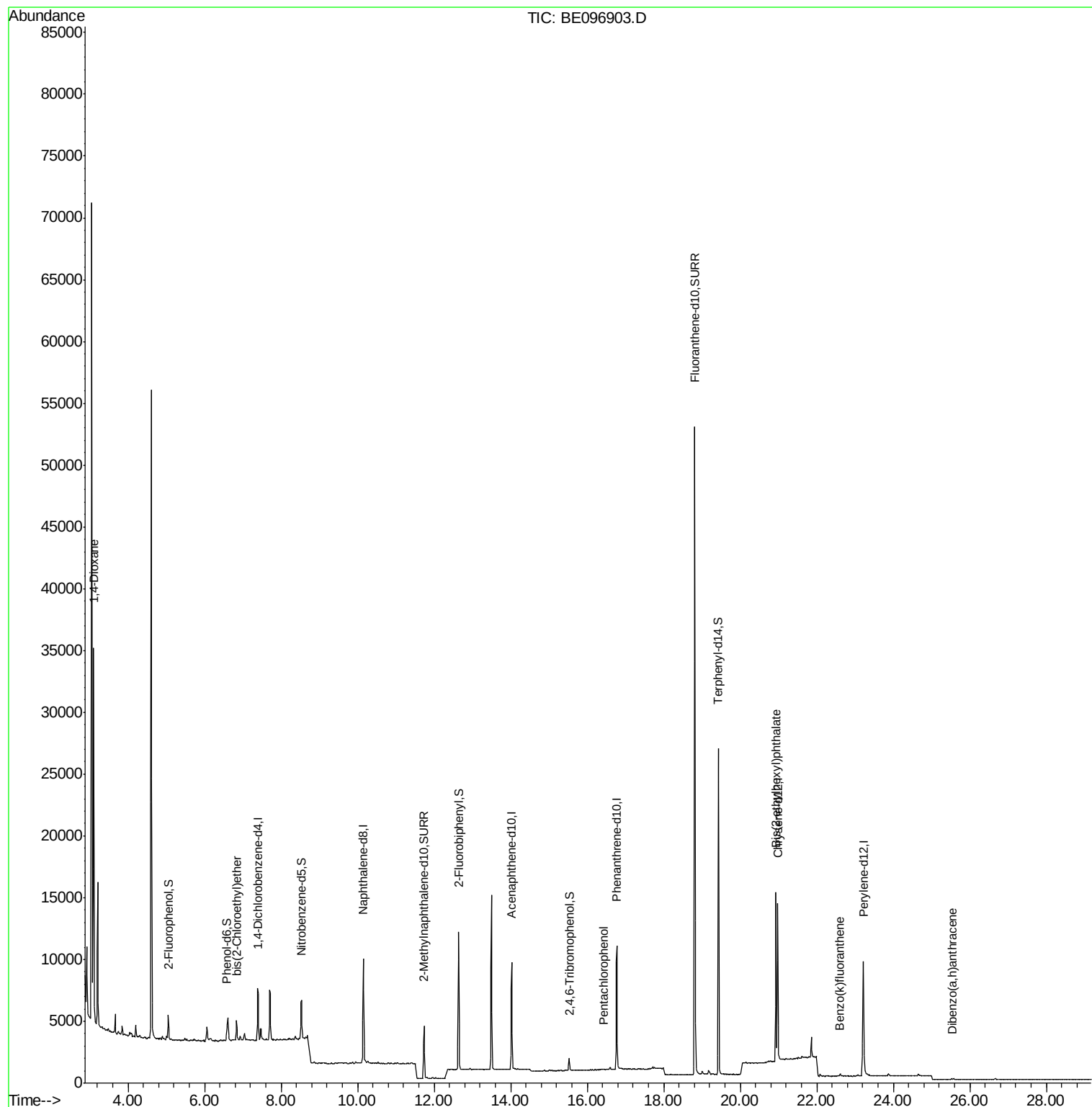
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	15295	5.163	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	503	0.070	ng	97
22) Pentachlorophenol	16.43	266	17	0.051	ng	97
32) Bis(2-ethylhexyl)phthalate	20.93	149	14626	0.571	ng	99
36) Benzo(k)fluoranthene	22.59	252	39	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	2	0.109	ng	# 1

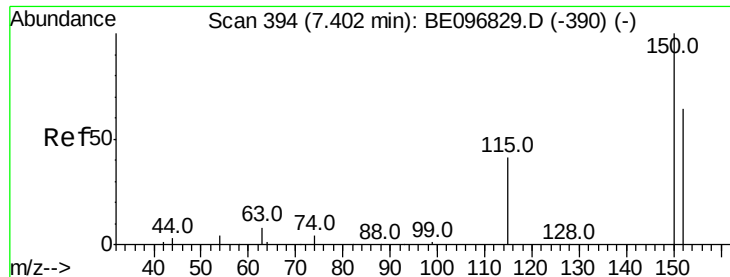
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096903.D

Acq: 13 Jul 2018 12:56

Instrument :

BNA_E

ClientSampleId :

TT101D-071018

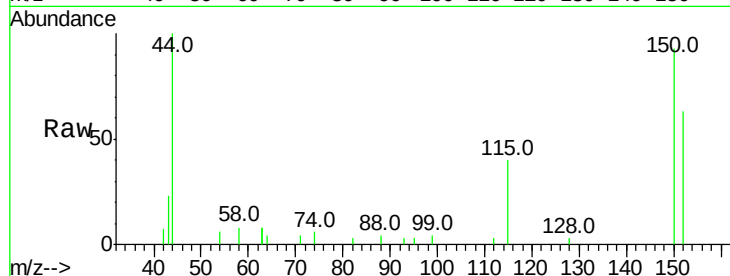
Tot Ion:152 Resp: 1977

Ion Ratio Lower Upper

152 100

150 149.2 117.2 175.8

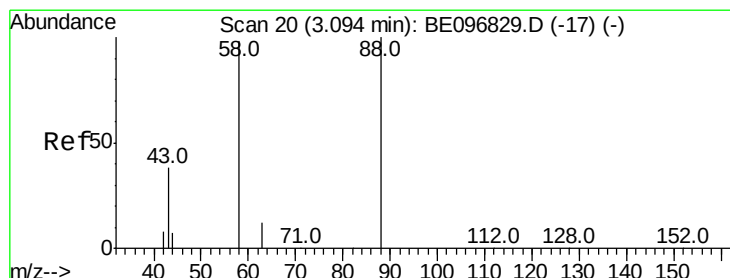
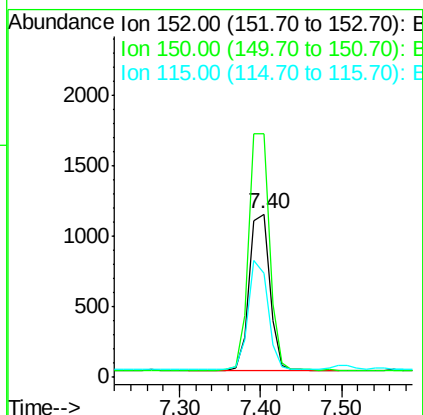
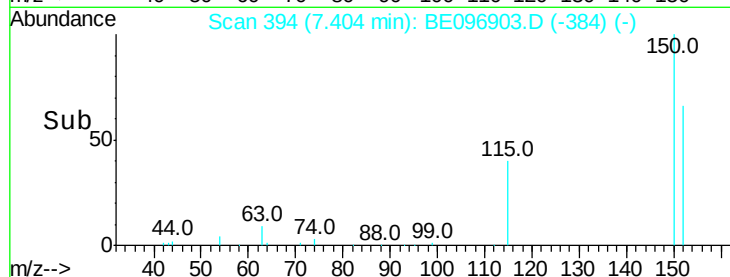
115 63.6 57.0 85.6



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: 5.163 ng

RT: 3.10 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

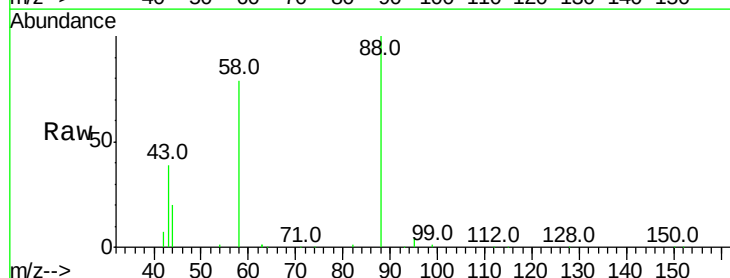
Tgt Ion: 88 Resp: 15295

Ion Ratio Lower Upper

88 100

58 80.9 63.2 94.8

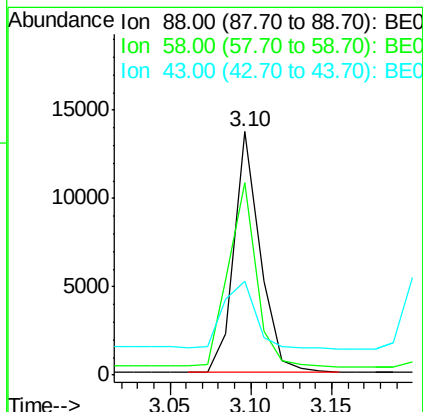
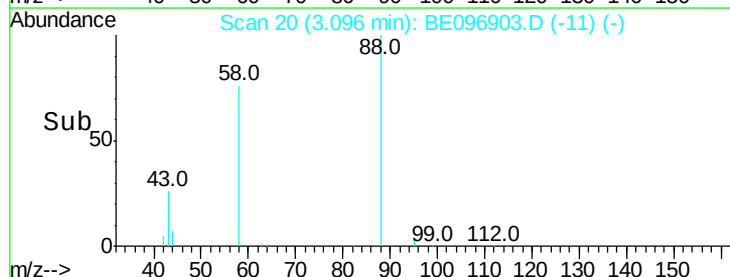
43 34.7 41.2 61.8#

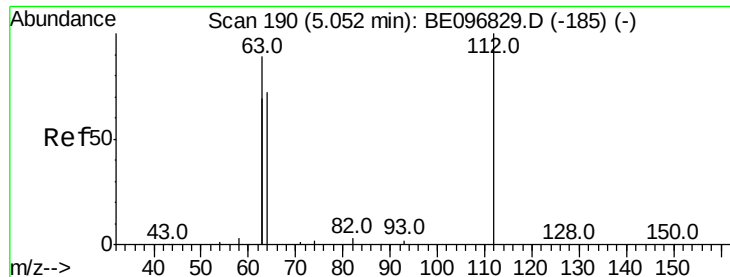


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.219 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

Instrument :

BNA_E

ClientSampleId :

TT101D-071018

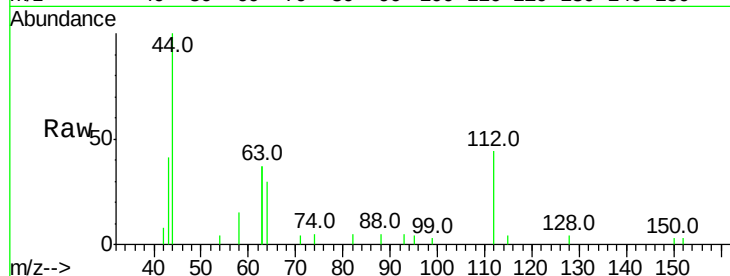
Tot Ion:112 Resp: 966

Ion Ratio Lower Upper

112 100

64 65.7 60.1 90.1

63 153.9 116.8 175.2



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

1500

1000

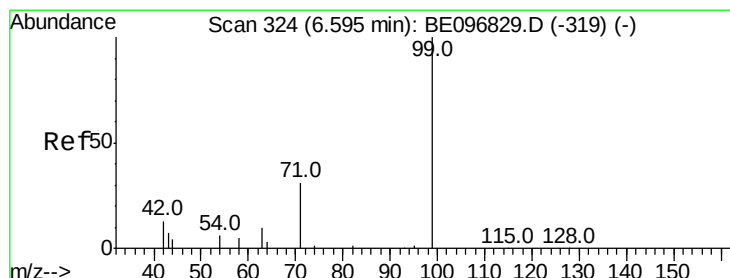
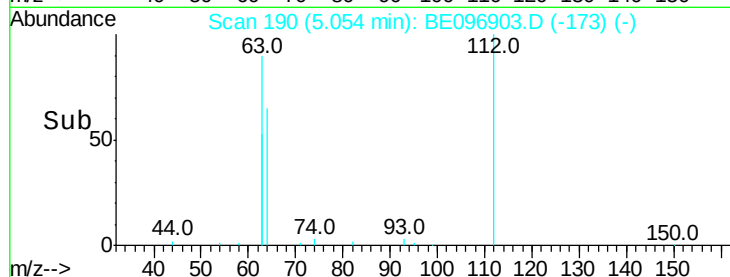
500

0

5.05

5.00 5.10 5.20

Time-->



#5

Phenol-d6

Concen: 0.128 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

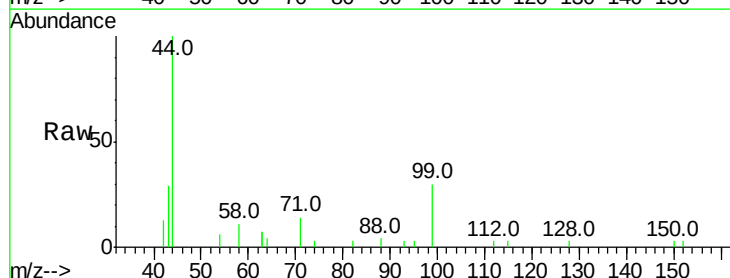
Tgt Ion: 99 Resp: 844

Ion Ratio Lower Upper

99 100

42 32.7 20.2 30.2#

71 36.8 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

600

400

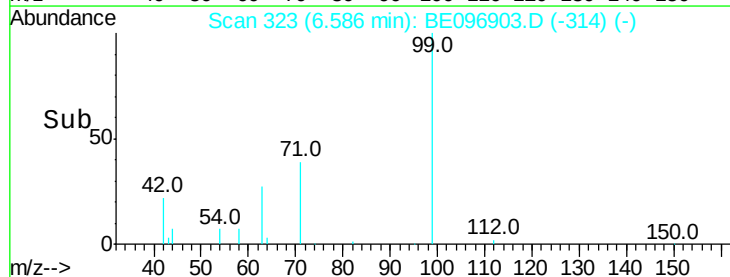
200

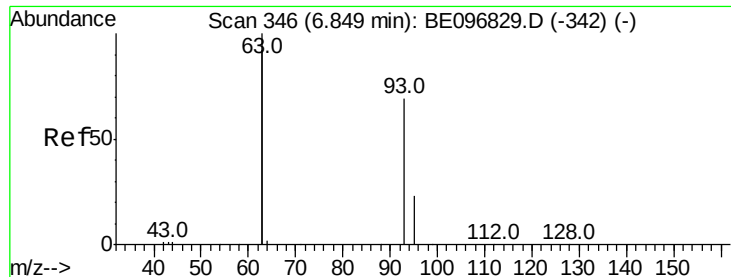
0

6.59

6.50 6.55 6.60 6.65

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.070 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

Instrument :

BNA_E

ClientSampleId :

TT101D-071018

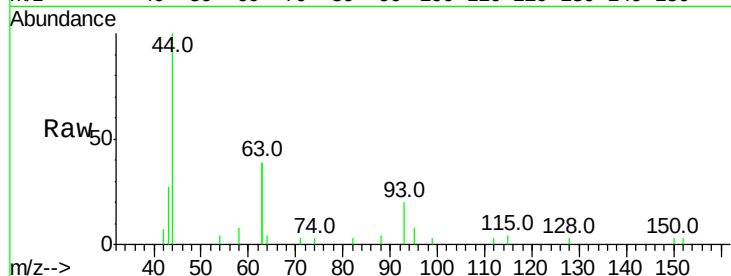
Tot Ion: 93 Resp: 503

Ion Ratio Lower Upper

93 100

63 338.6 275.3 412.9

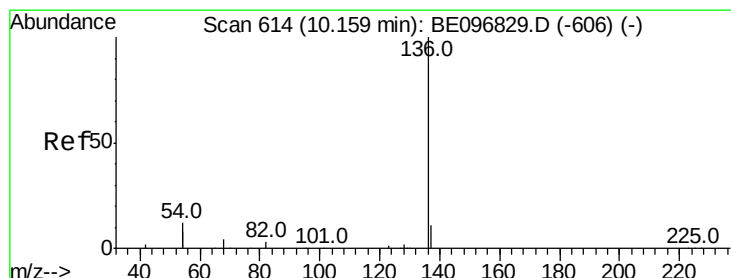
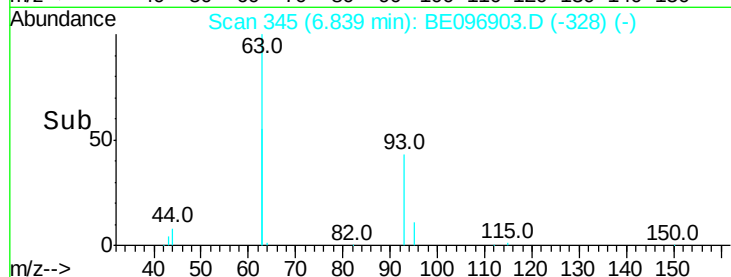
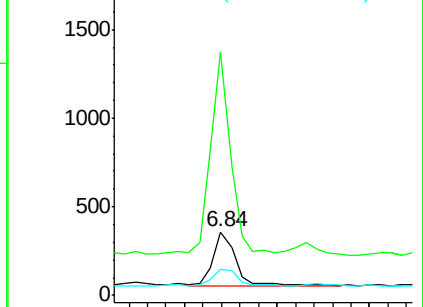
95 35.8 25.2 37.8



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: BE096903.D

Acq: 13 Jul 2018 12:56

Tgt Ion:136 Resp: 9229

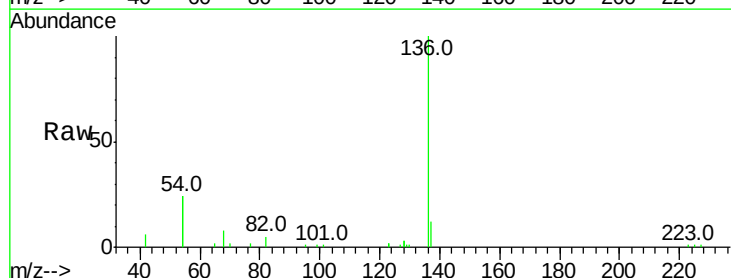
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 47.7 29.1 43.7#

68 8.4 6.2 9.2

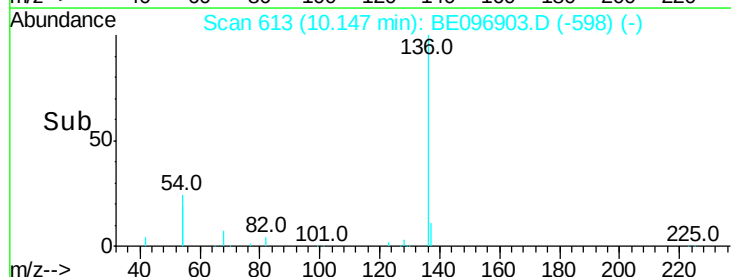
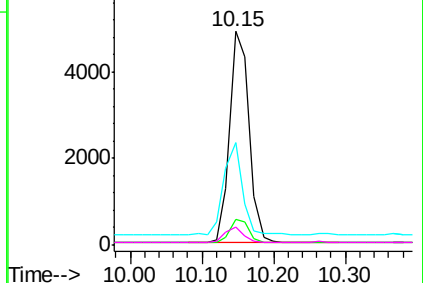


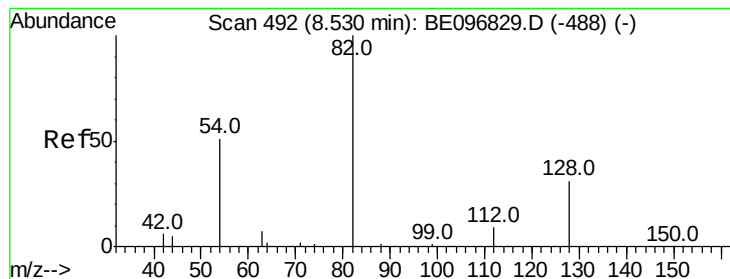
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.526 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

Instrument :

BNA_E

ClientSampleId :

TT101D-071018

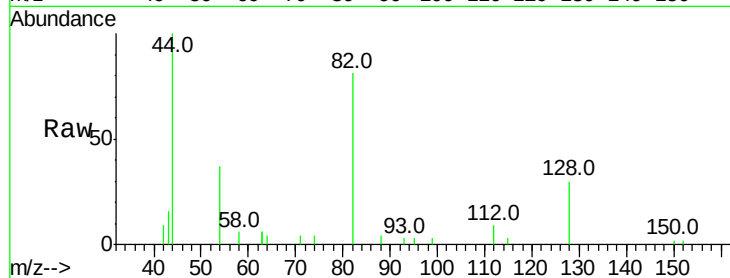
Tot Ion: 82 Resp: 2942

Ion Ratio Lower Upper

82 100

128 36.8 24.0 36.0#

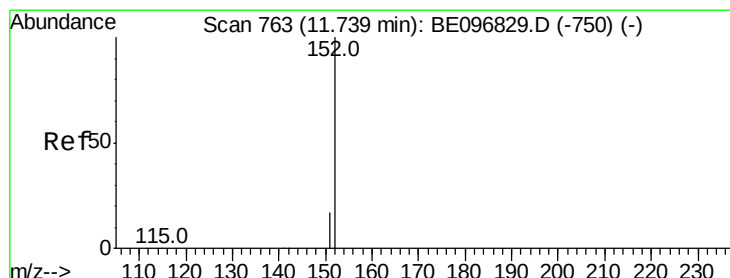
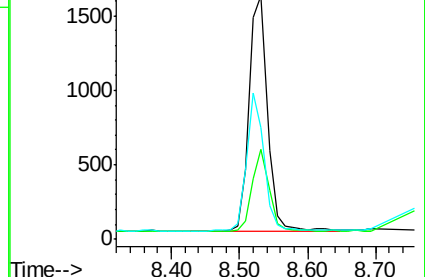
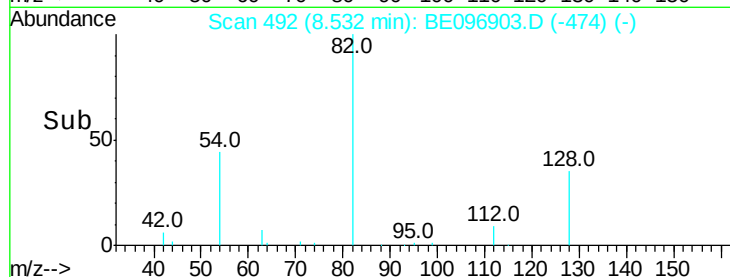
54 46.0 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE096903.D (-474) (-)

Ion 128.00 (127.70 to 128.70): BE096903.D (-474) (-)

Ion 54.00 (53.70 to 54.70): BE096903.D (-474) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.450 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096903.D

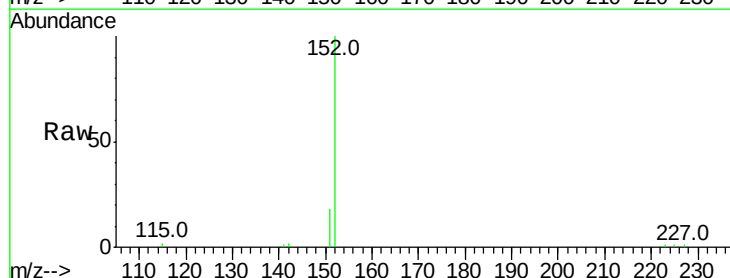
Acq: 13 Jul 2018 12:56

Tgt Ion: 152 Resp: 5971

Ion Ratio Lower Upper

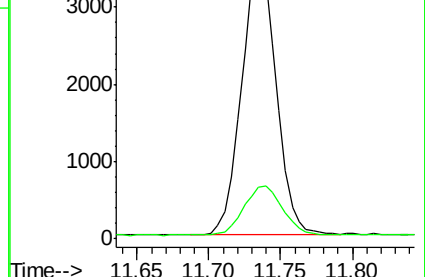
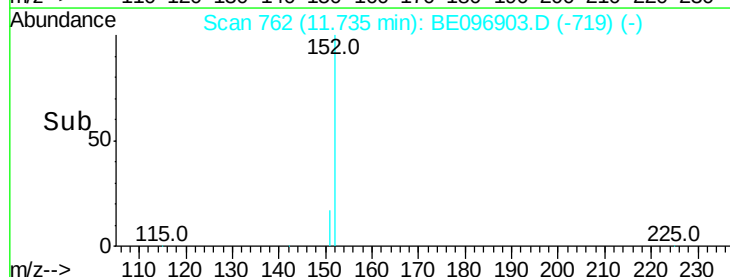
152 100

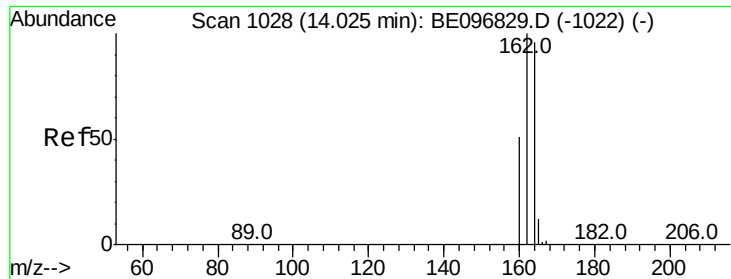
151 20.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE096903.D (-719) (-)

Ion 151.00 (150.70 to 151.70): BE096903.D (-719) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

Instrument :

BNA_E

ClientSampleId :

TT101D-071018

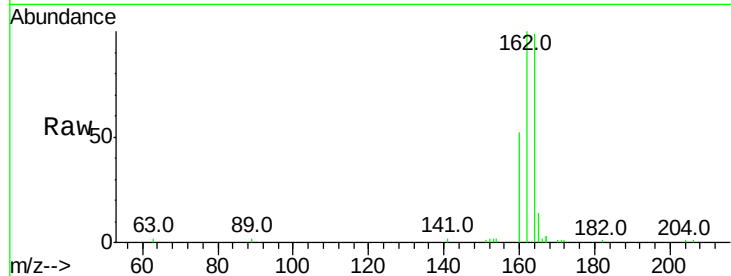
Tot Ion:164 Resp: 5005

Ion Ratio Lower Upper

164 100

162 101.4 83.1 124.7

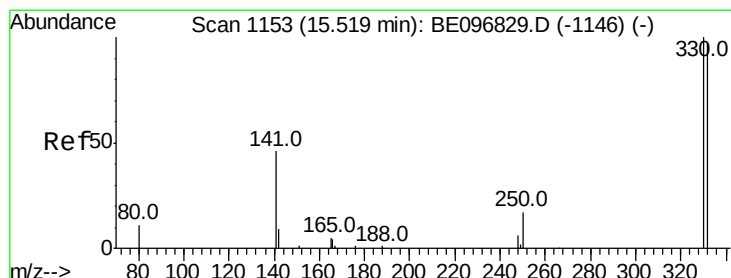
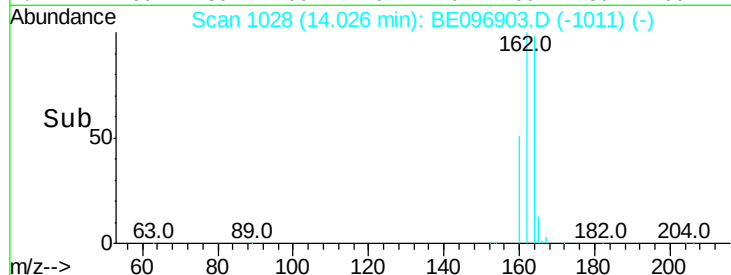
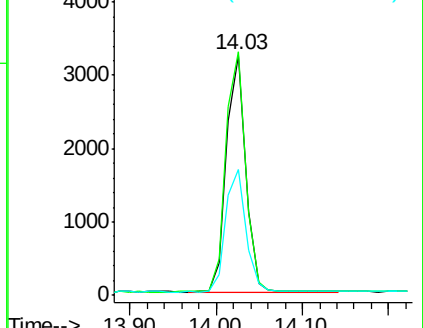
160 52.5 37.1 55.7



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: 0.515 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

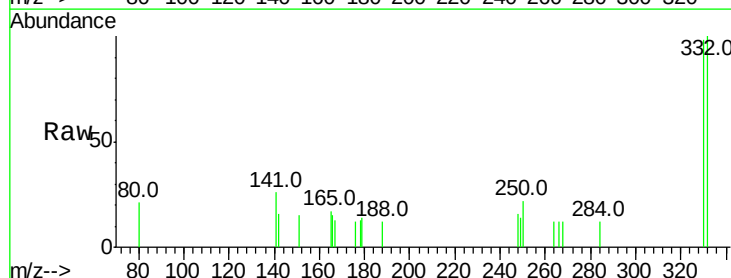
Tgt Ion:330 Resp: 615

Ion Ratio Lower Upper

330 100

332 99.7 152.7 229.1#

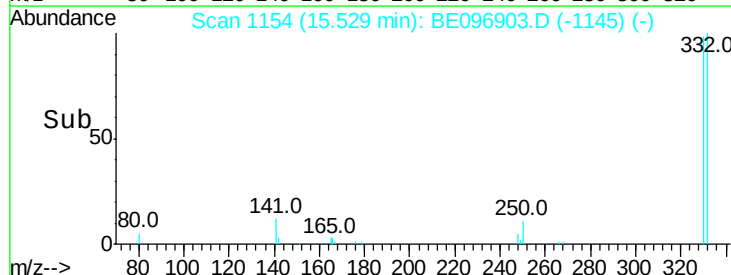
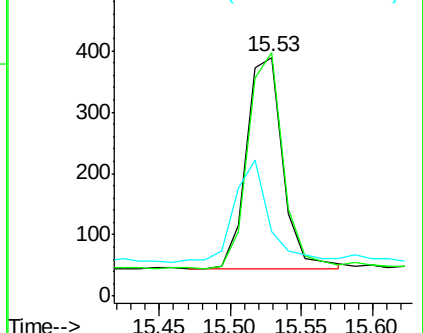
141 46.8 33.7 50.5

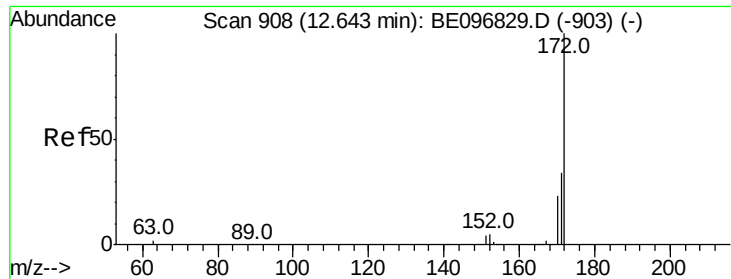


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

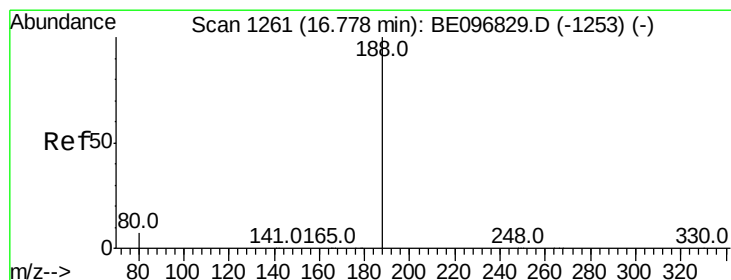
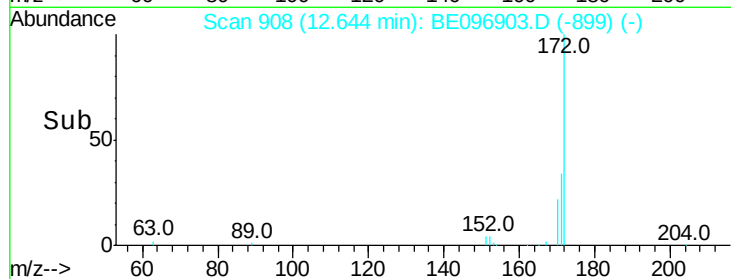
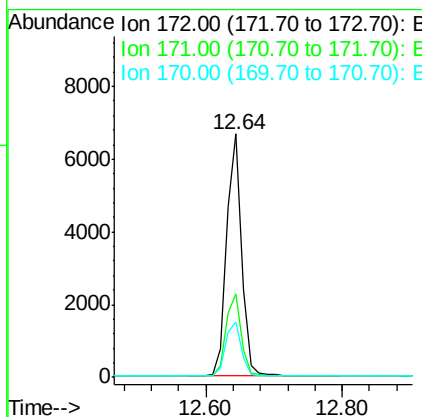
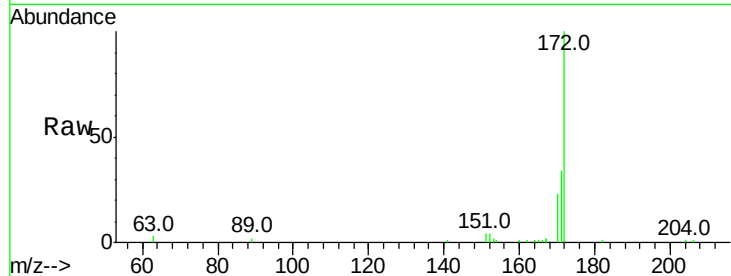




#15
2-Fluorobiphenyl
Concen: 0.562 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096903.D
Acq: 13 Jul 2018 12:56

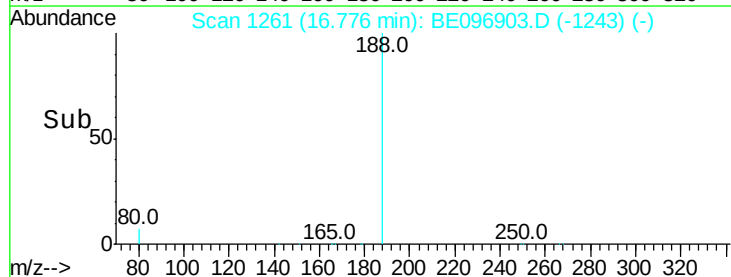
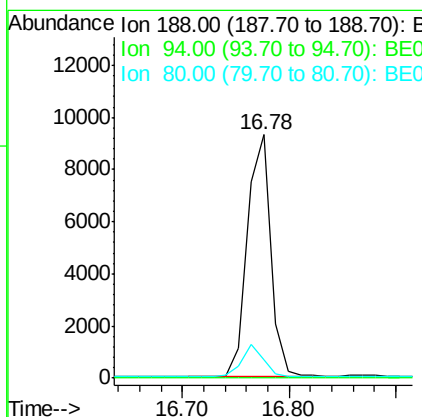
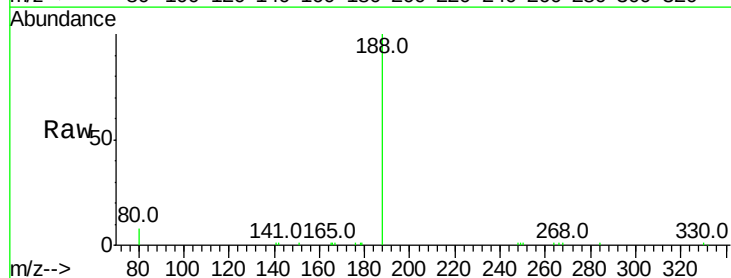
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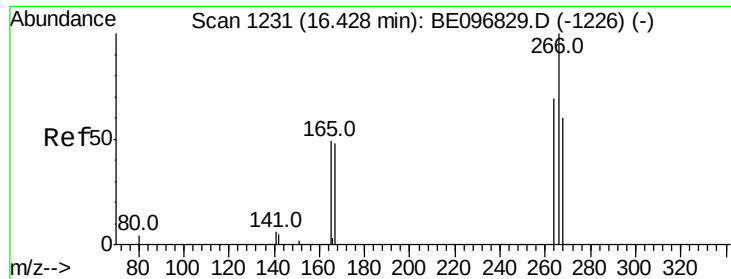
Tot Ion:172 Resp: 10286
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 22.6 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BE096903.D
Acq: 13 Jul 2018 12:56

Tgt Ion:188 Resp: 14170
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 7.6 3.6 5.4#

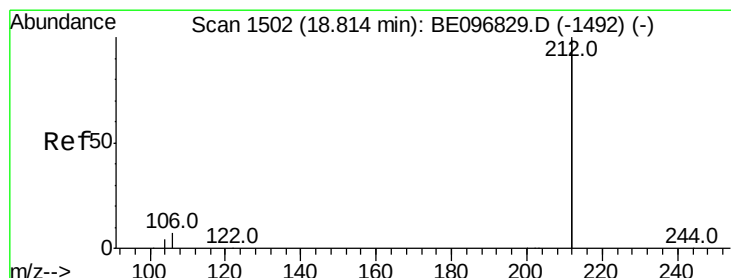
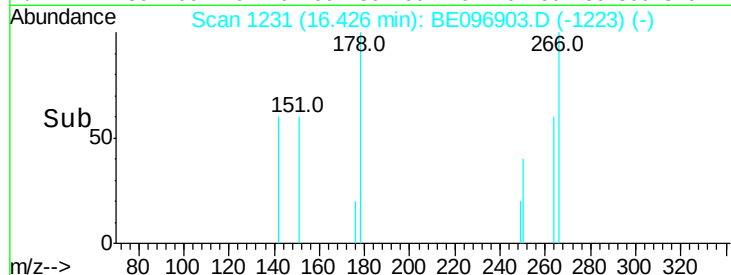
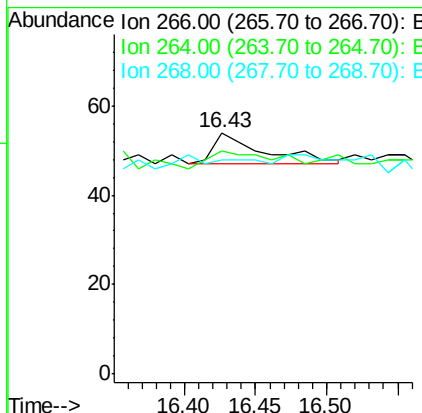
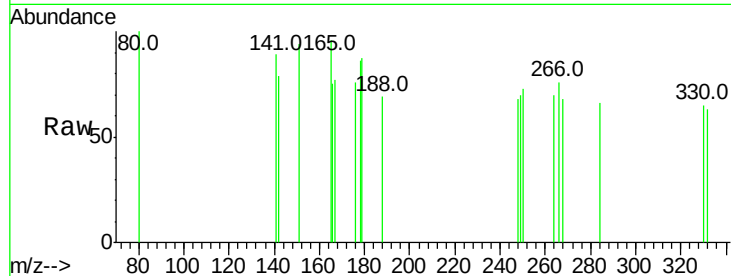




#22
 Pentachlorophenol
 Concen: 0.051 ng
 RT: 16.43 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE096903.D
 Acq: 13 Jul 2018 12:56

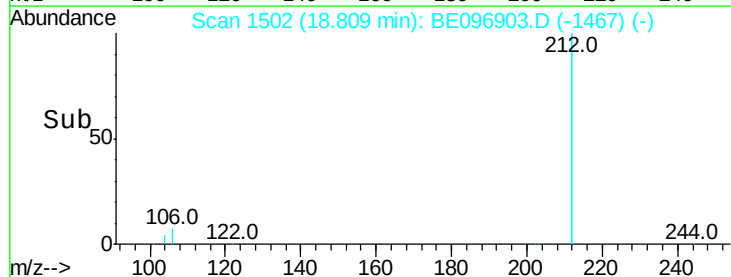
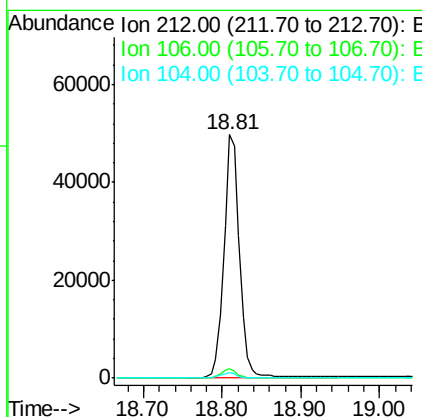
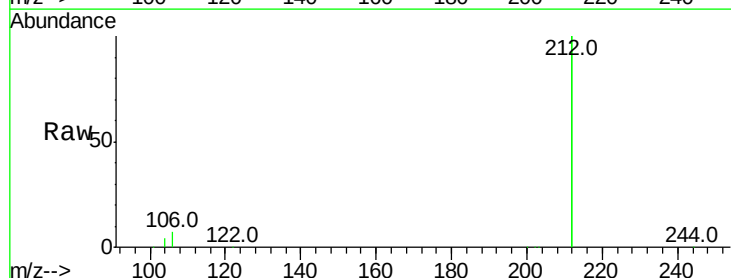
Instrument :
 BNA_E
 ClientSampleId :
 TT101D-071018

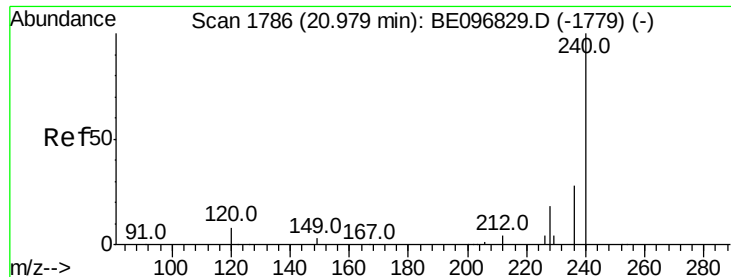
Tot Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 92.6 72.5 108.7
 268 88.9 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.539 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BE096903.D
 Acq: 13 Jul 2018 12:56

Tgt Ion:212 Resp: 67275
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.8 4.2
 104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

Instrument :

BNA_E

ClientSampleId :

TT101D-071018

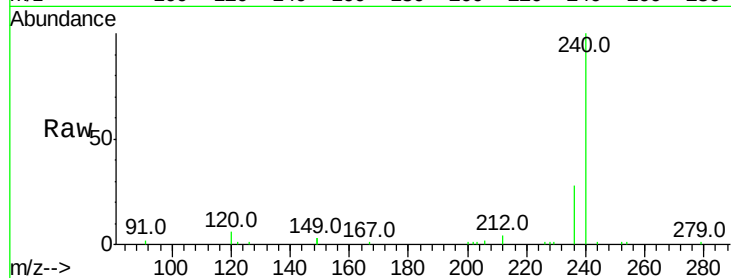
Tot Ion:240 Resp: 12900

Ion Ratio Lower Upper

240 100

120 5.9 5.5 8.3

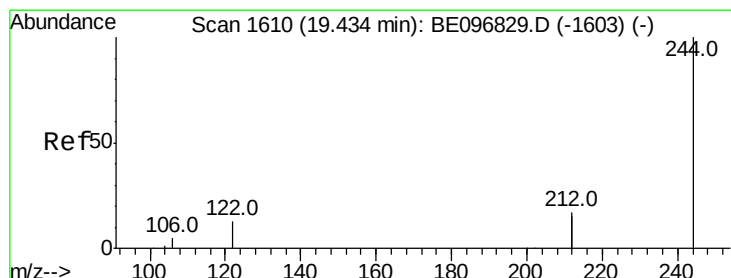
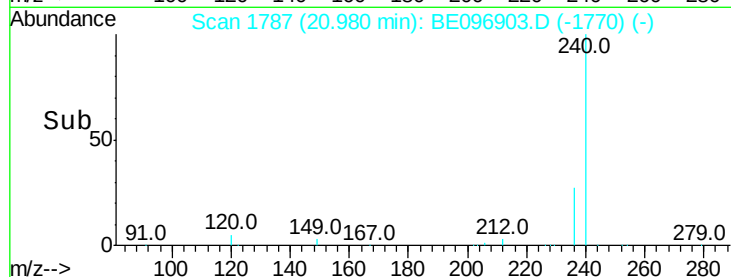
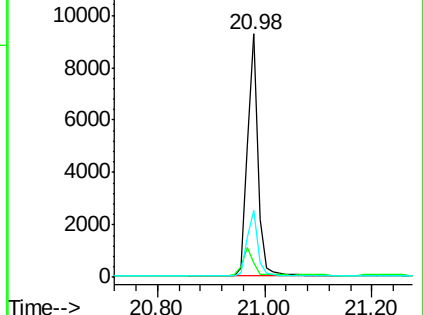
236 27.7 20.7 31.1



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: 0.904 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

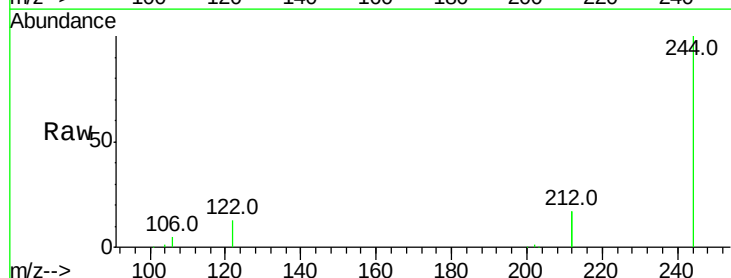
Tgt Ion:244 Resp: 22499

Ion Ratio Lower Upper

244 100

212 33.4 25.4 38.0

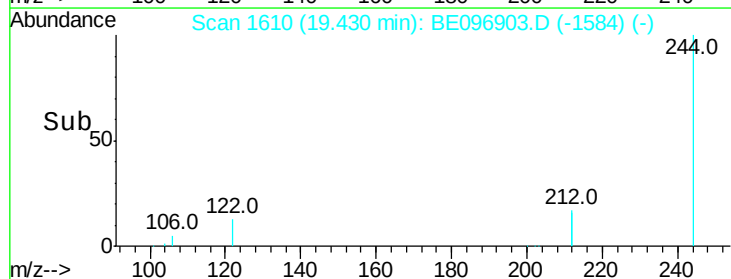
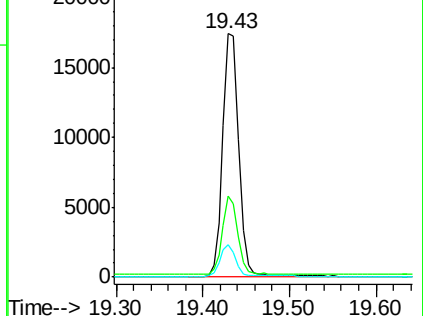
122 13.2 8.1 12.1#

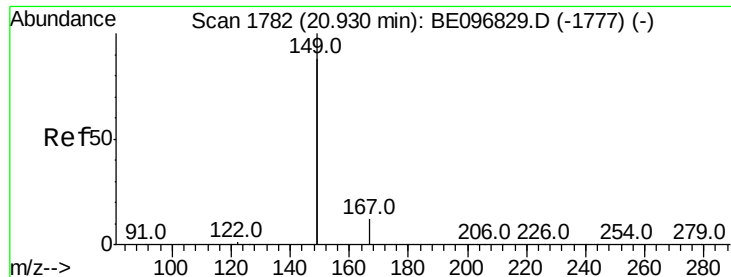


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.571 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

Instrument :

BNA_E

ClientSampleId :

TT101D-071018

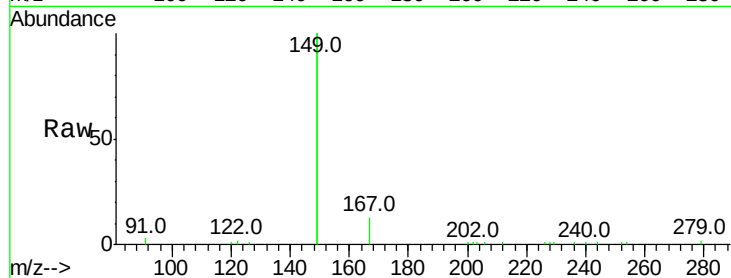
Tot Ion:149 Resp: 14626

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

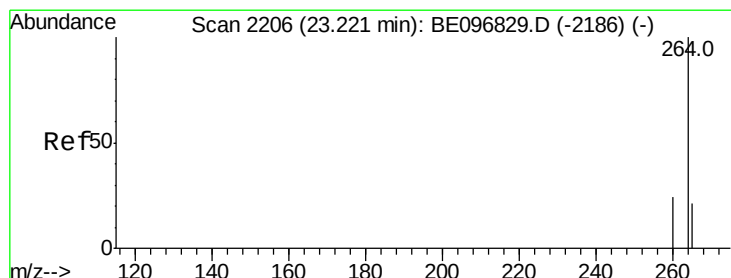
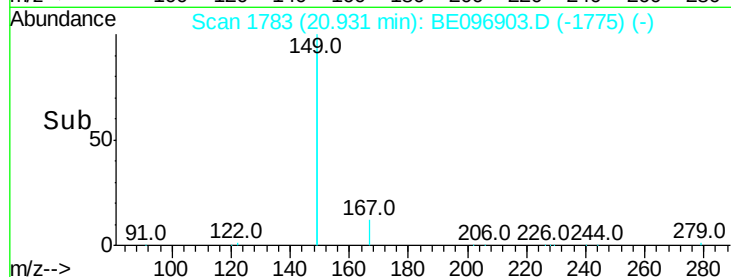
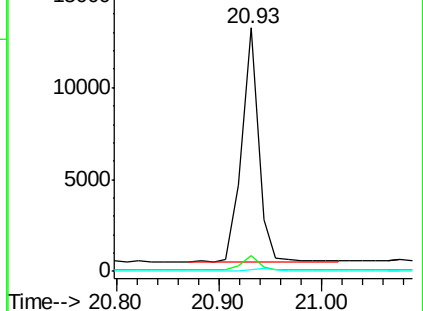
279 0.9 0.7 1.1



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# 2205

Delta R.T. 0.00 min

Lab File: BE096903.D

Acq: 13 Jul 2018 12:56

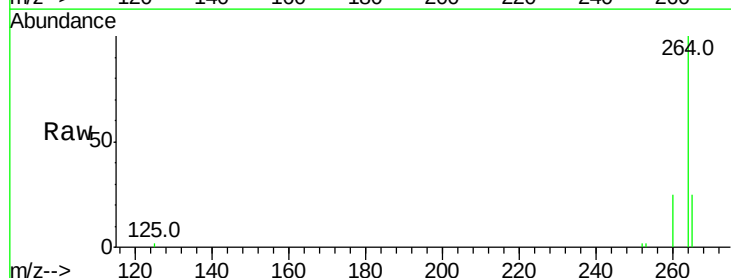
Tgt Ion:264 Resp: 12785

Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

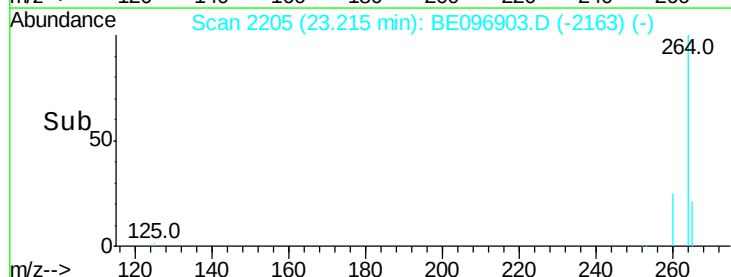
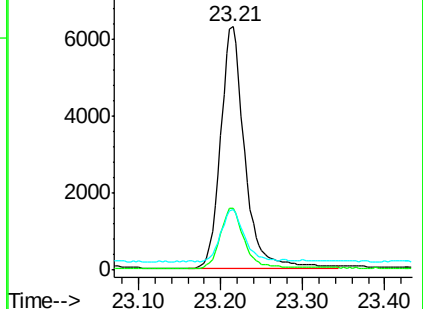
265 24.6 22.8 34.2

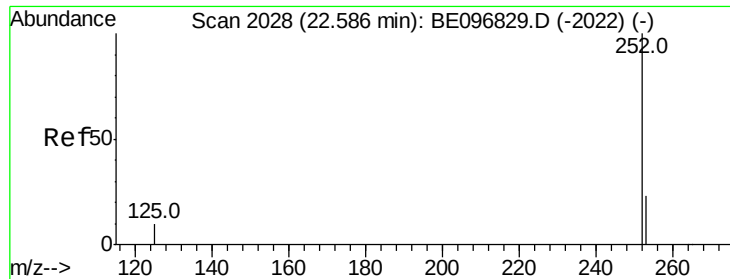


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

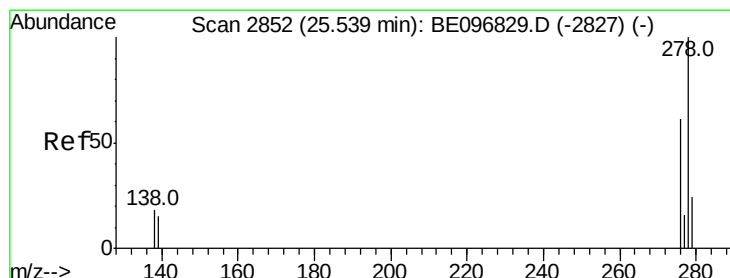
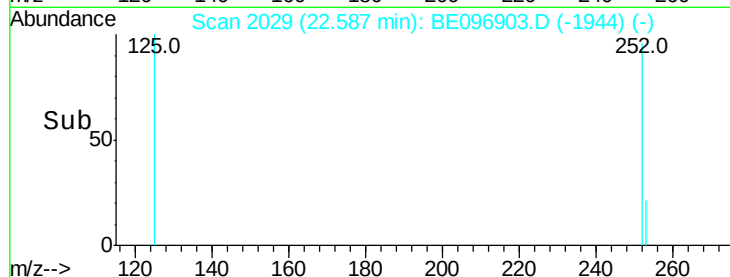
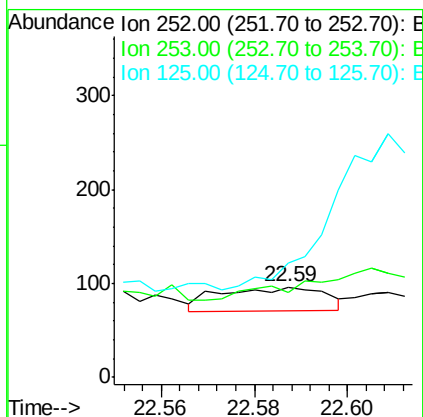
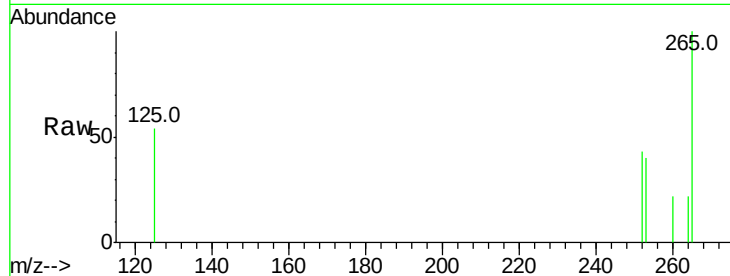




#36
Benzo(k)fluoranthene
Concen: 0.084 ng
RT: 22.59 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096903.D
Acq: 13 Jul 2018 12:56

Instrument :
BNA_E
ClientSampleId :
TT101D-071018

Tot Ion:252 Resp: 39
Ion Ratio Lower Upper
252 100
253 93.8 16.0 24.0#
125 126.0 8.0 12.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.109 ng
RT: 25.52 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BE096903.D
Acq: 13 Jul 2018 12:56

Tgt Ion:278 Resp: 2
Ion Ratio Lower Upper
278 100
139 107.1 16.0 24.0#
279 105.4 20.0 30.0#

