

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 :

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

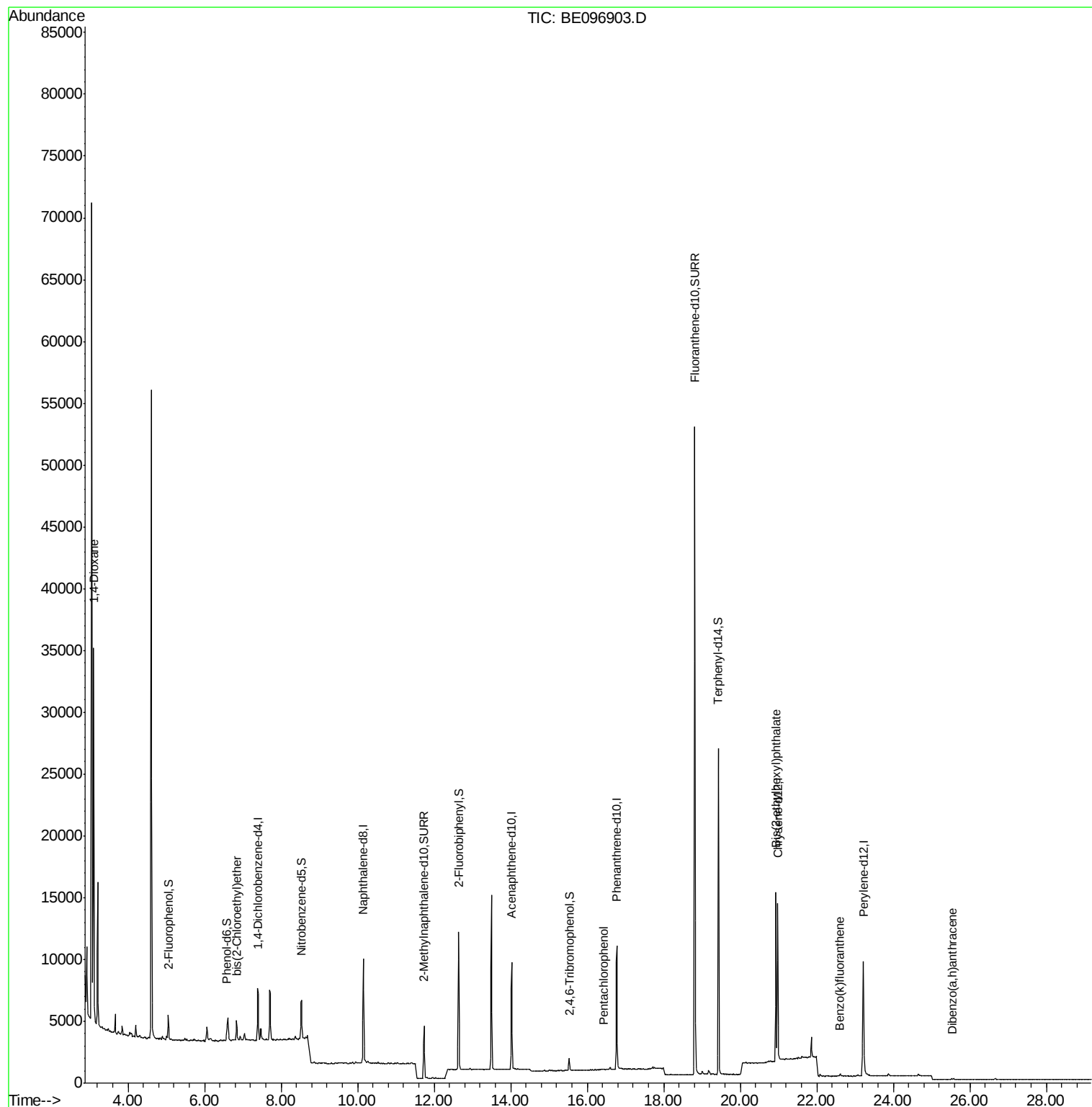
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	15295	5.163	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	503	0.070	ng	97
22) Pentachlorophenol	16.43	266	17	0.051	ng	97
32) Bis(2-ethylhexyl)phthalate	20.93	149	14626	0.571	ng	99
36) Benzo(k)fluoranthene	22.59	252	39	0.084	ng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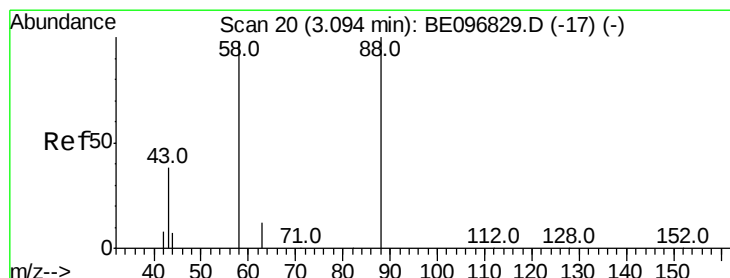
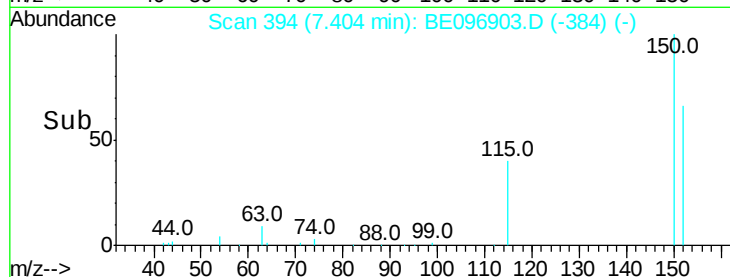
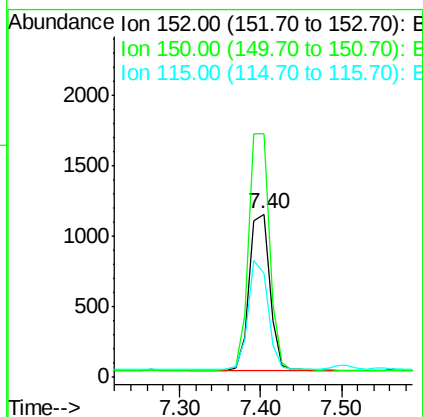
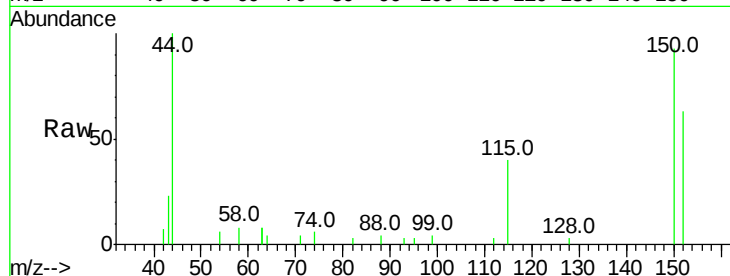


#1

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 :

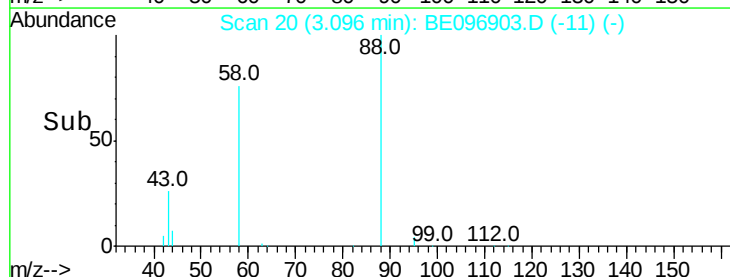
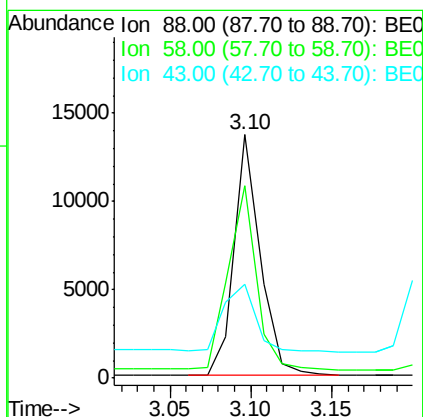
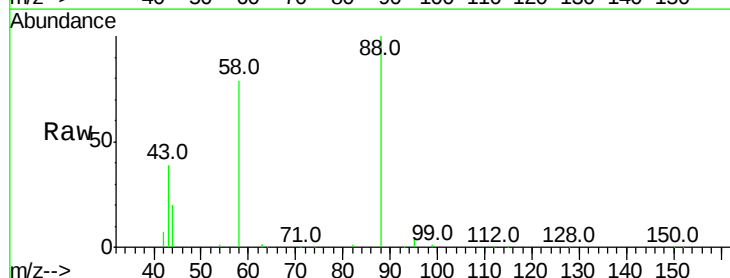
Tot Ion:152 Resp: 1977
Ion Ratio Lower Upper
152 100
150 149.2 117.2 175.8
115 63.6 57.0 85.6

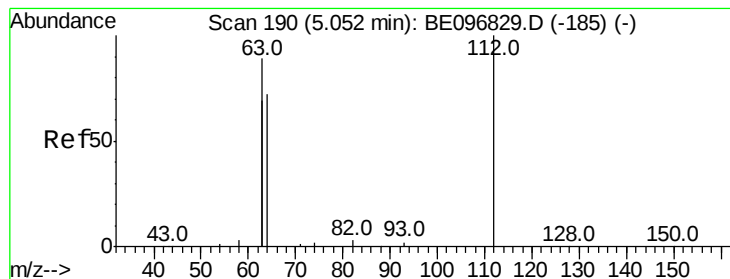


#2

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#





#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

ClientSampled :

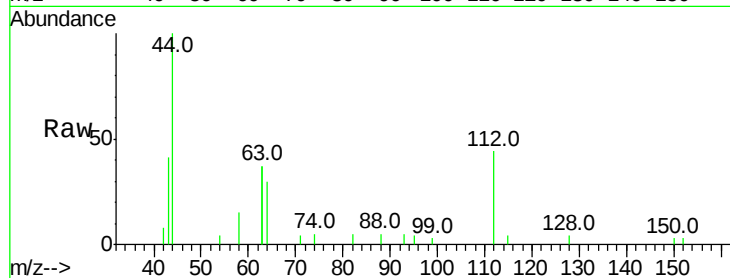
Tot Ion: 112 Resp: 966

Ion Ratio Lower Upper

112 100

64 65.7 60.1 90.1

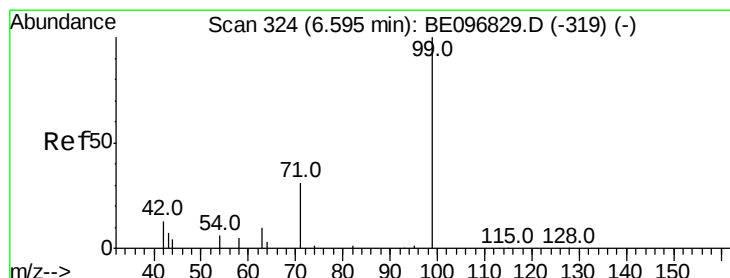
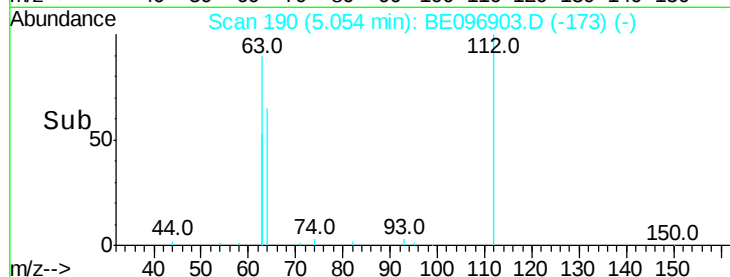
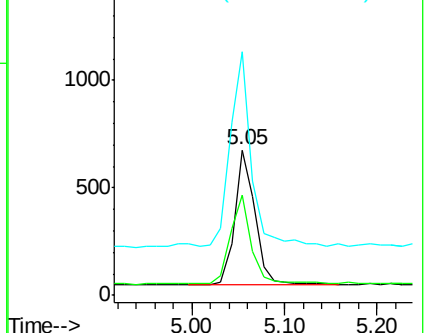
63 153.9 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#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

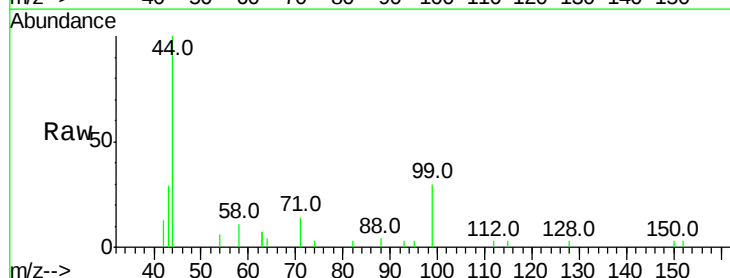
Tgt Ion: 99 Resp: 844

Ion Ratio Lower Upper

99 100

42 32.7 20.2 30.2#

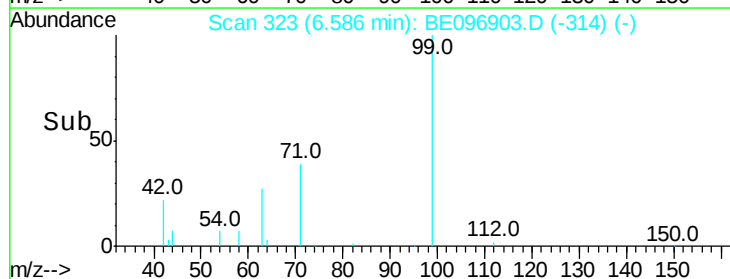
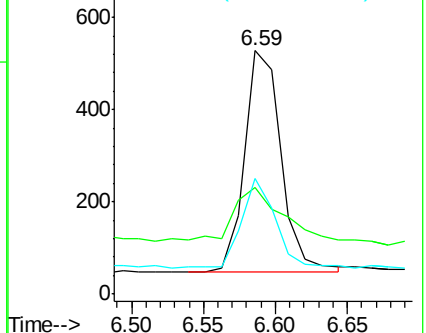
71 36.8 28.4 42.6

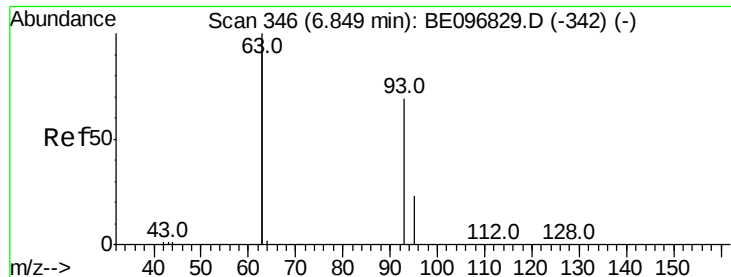


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#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 :

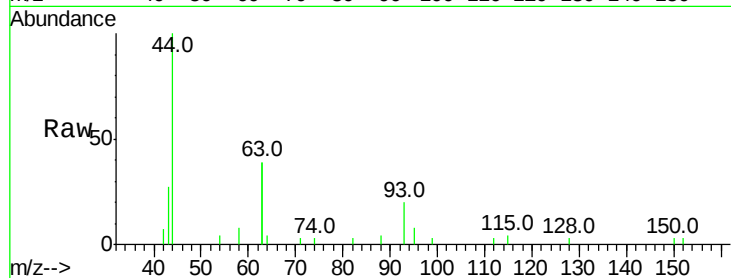
Tot Ion: 93 Resp: 503

Ion Ratio Lower Upper

93 100

63 338.6 275.3 412.9

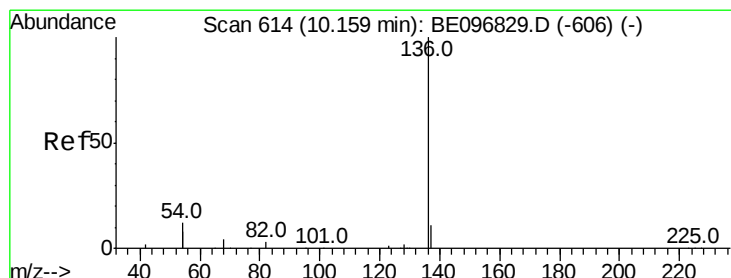
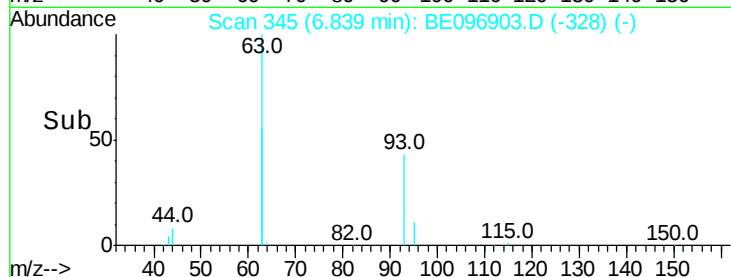
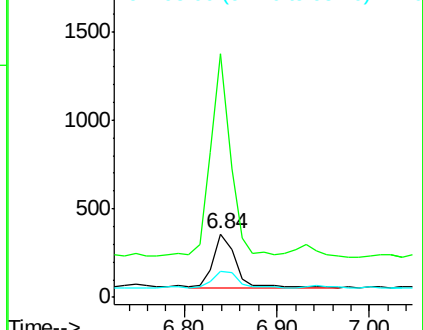
95 35.8 25.2 37.8



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

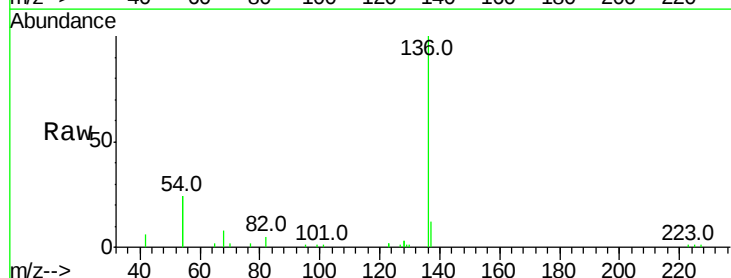
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 47.7 29.1 43.7#

68 8.4 6.2 9.2

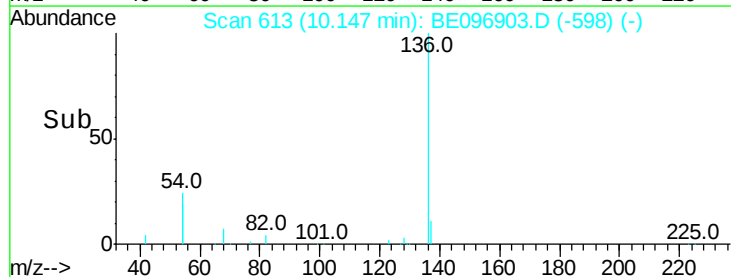
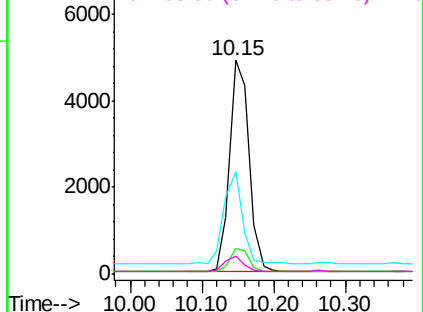


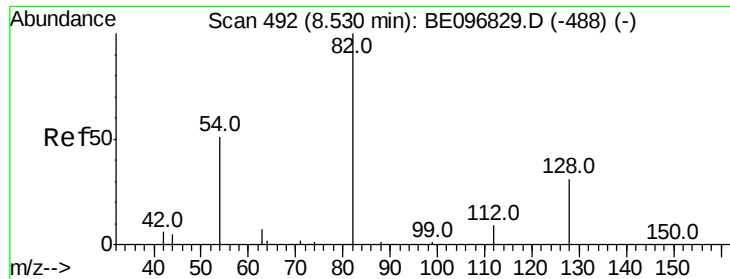
Abundance Ion 136.00 (135.70 to 136.70): E

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 :

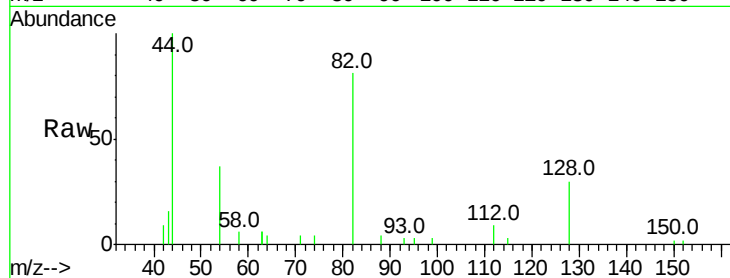
Tot Ion: 82 Resp: 2942

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): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

8.53

1500

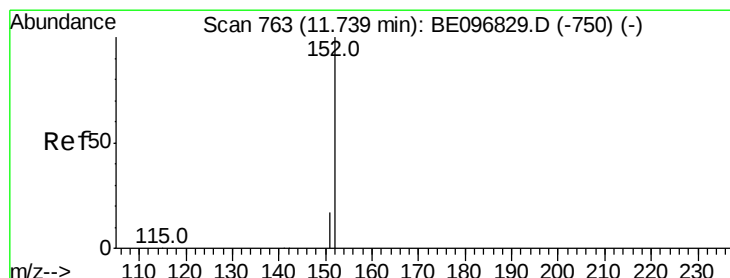
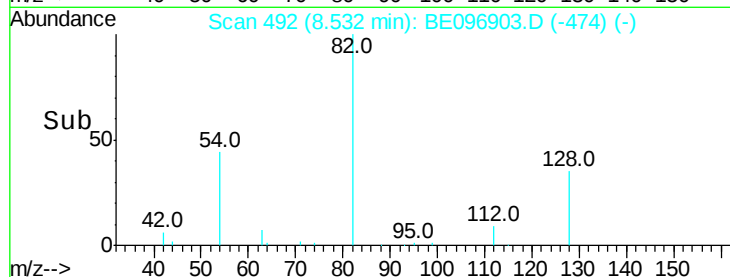
1000

500

0

8.40 8.50 8.60 8.70

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.450 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096903.D

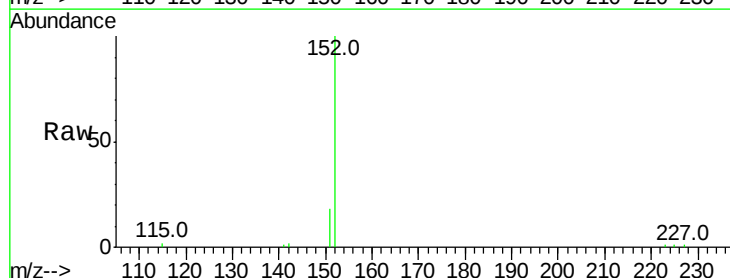
Acq: 13 Jul 2018 12:56

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): E

Ion 151.00 (150.70 to 151.70): E

4000

3000

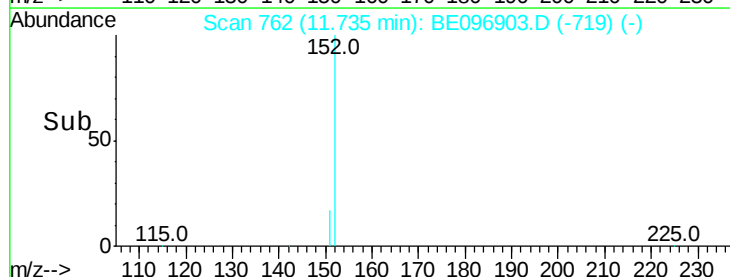
2000

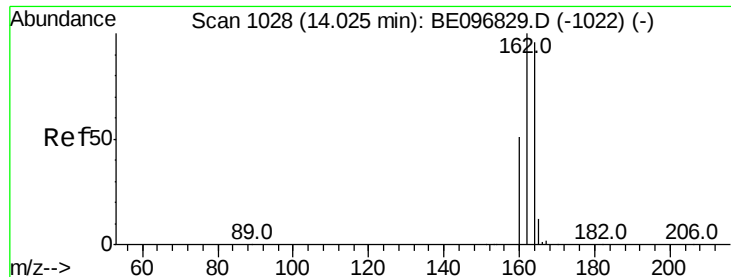
1000

0

11.65 11.70 11.75 11.80

Time-->

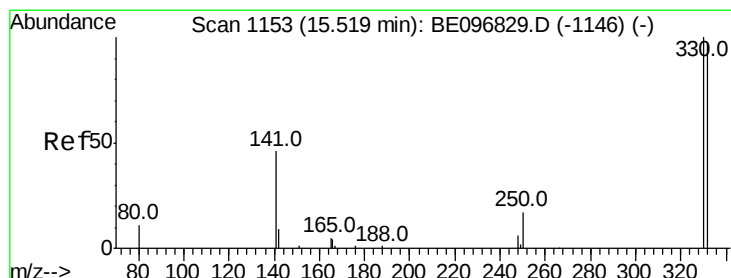
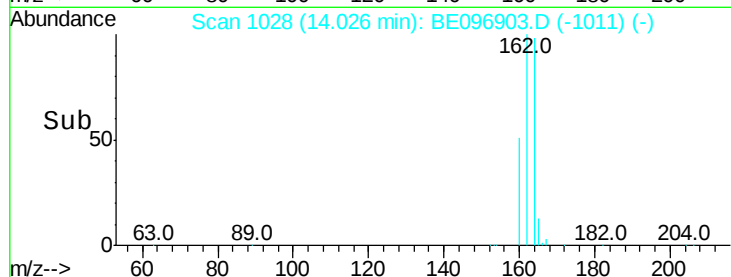
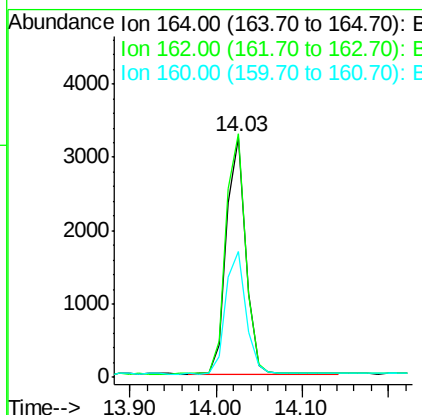
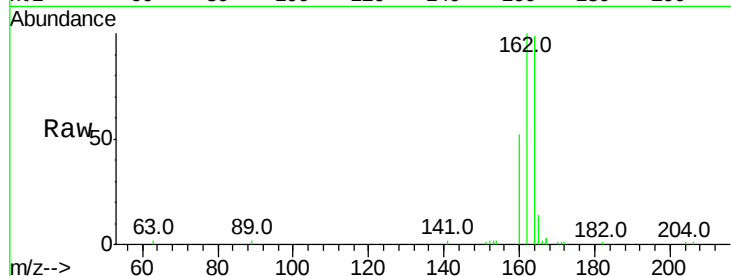




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE096903.D
Acq: 13 Jul 2018 12:56

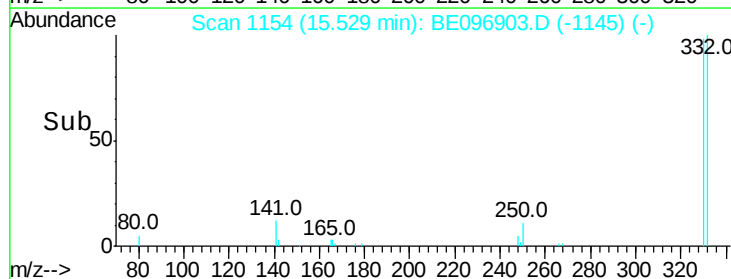
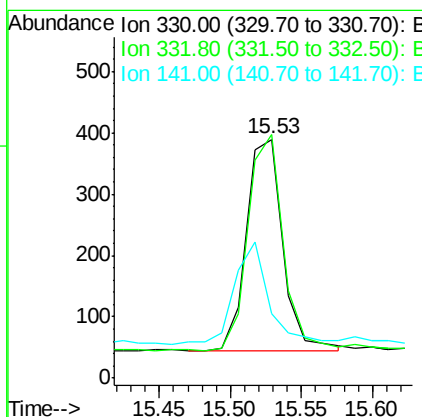
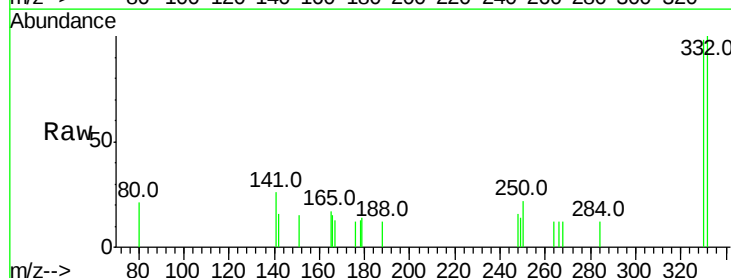
Instrument :
BNA_E
ClientSampleId :

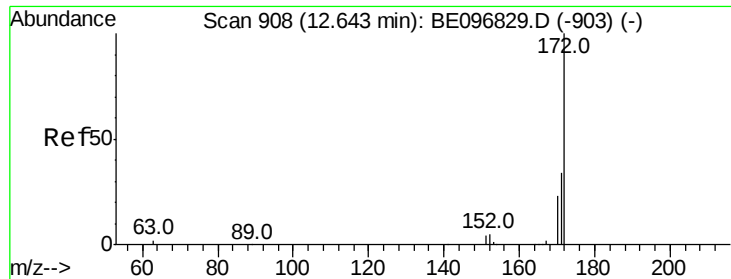
Tot Ion:164 Resp: 5005
Ion Ratio Lower Upper
164 100
162 101.4 83.1 124.7
160 52.5 37.1 55.7



#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

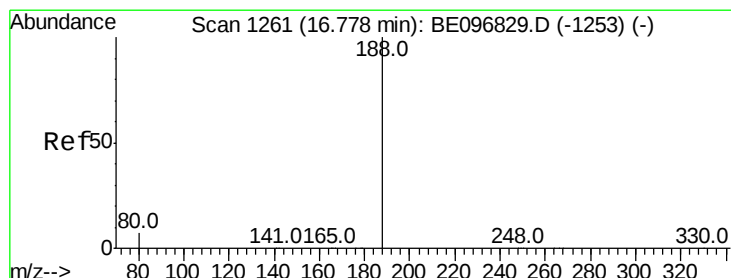
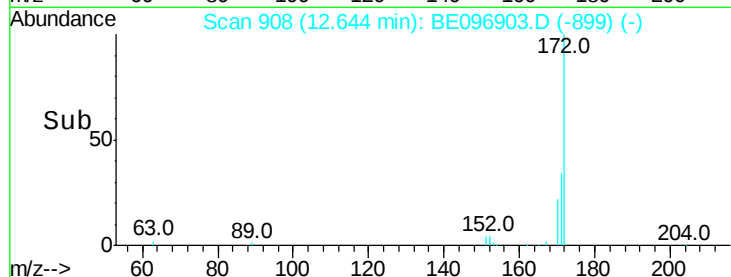
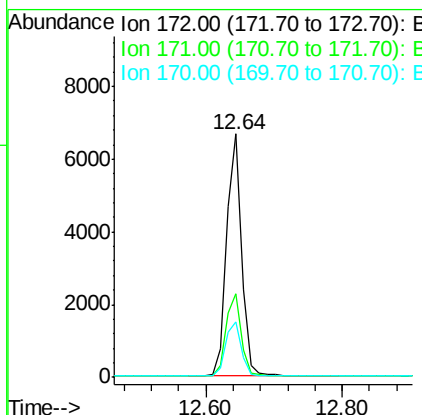
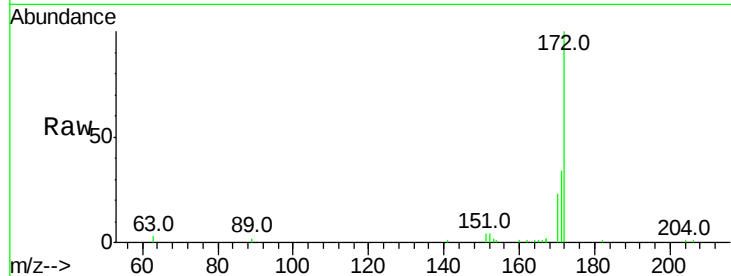




#15
2-Fluorobiphenyl
Concen: 0.562 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096903.D
Acq: 13 Jul 2018 12:56

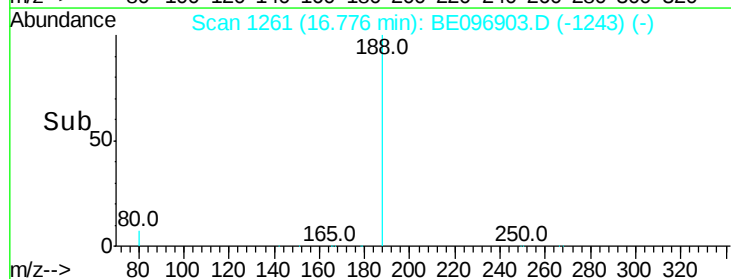
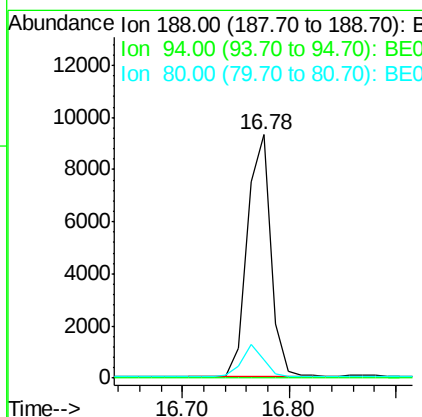
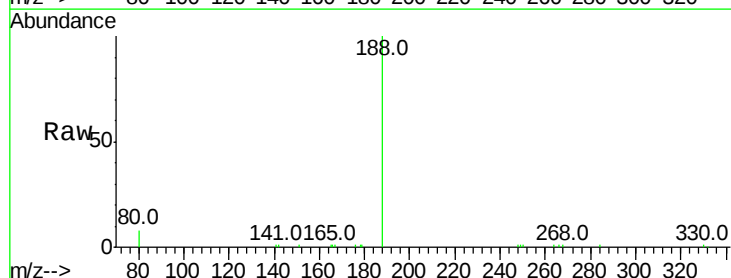
Instrument :
BNA_E
ClientSampleId :

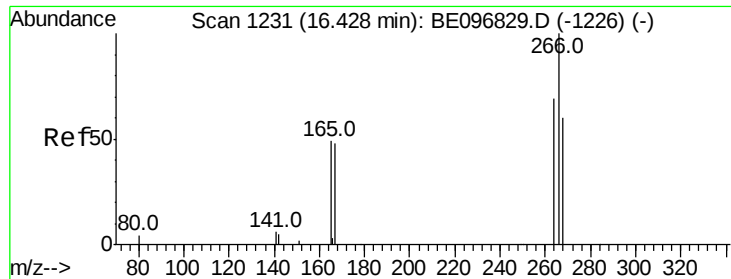
Tot Ion:172 Resp: 10286
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 22.6 21.8 32.8



#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#

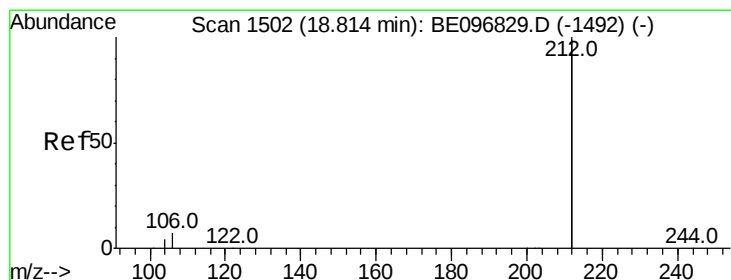
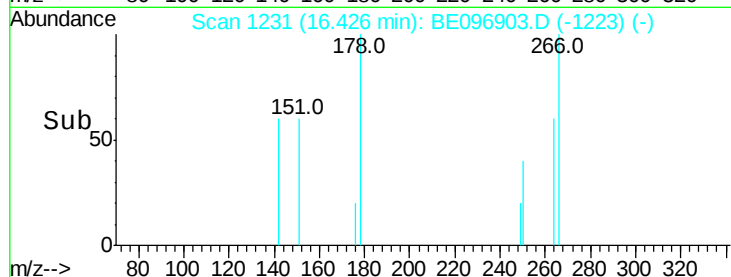
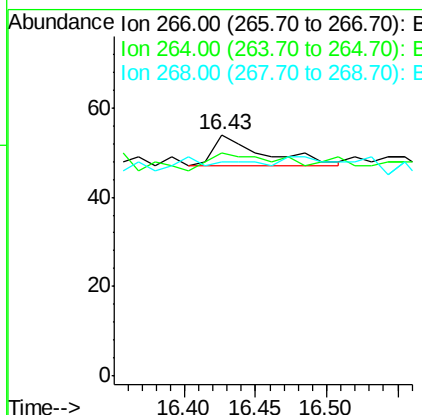
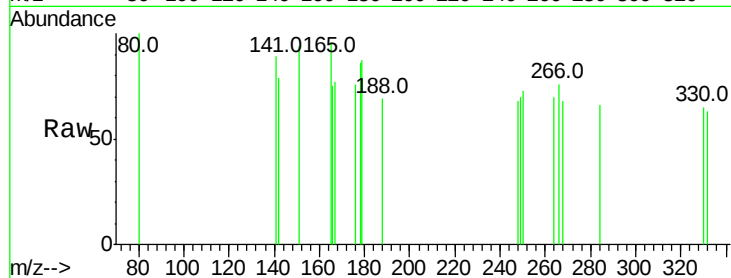




#22
 Pentachlorophenol
 Concen: 0.051 ng
 RT: 16.43 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE096903.D
 Acq: 13 Jul 2018 12:56

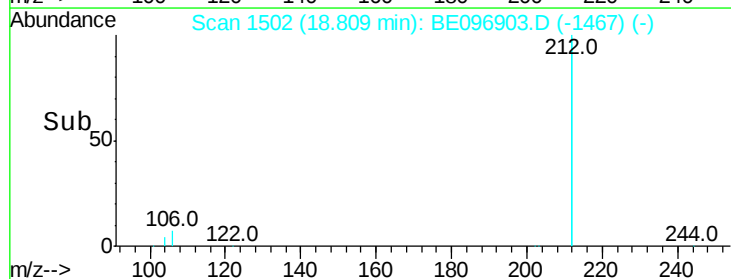
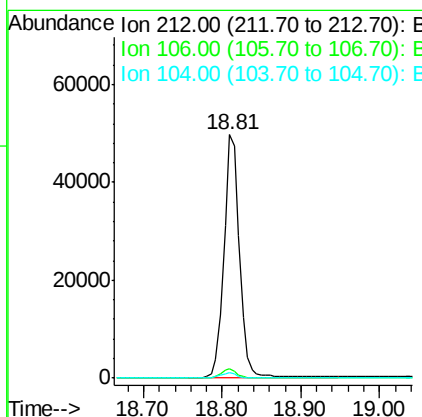
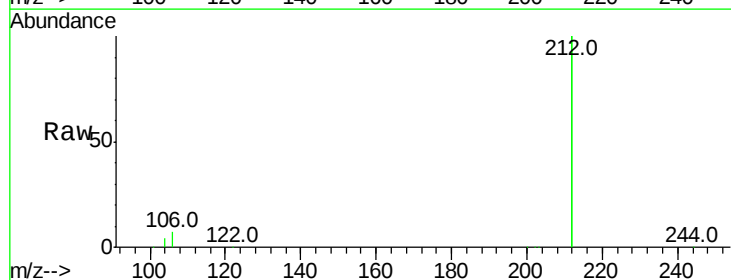
Instrument :
 BNA_E
 ClientSampleId :

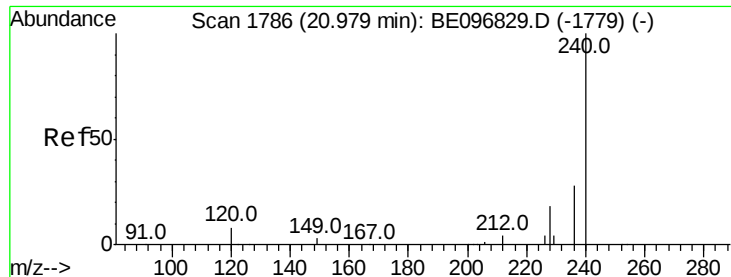
Tot Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 92.6 72.5 108.7
 268 88.9 73.8 110.6



#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 :

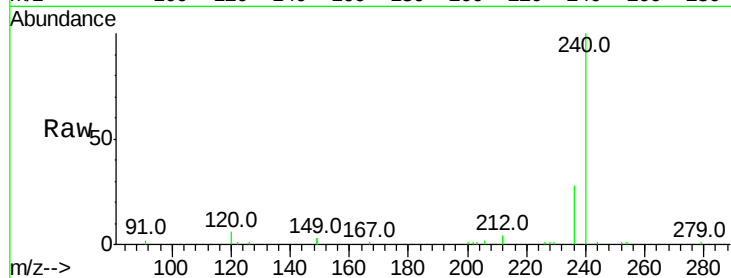
Tot Ion:240 Resp: 12900

Ion Ratio Lower Upper

240 100

120 5.9 5.5 8.3

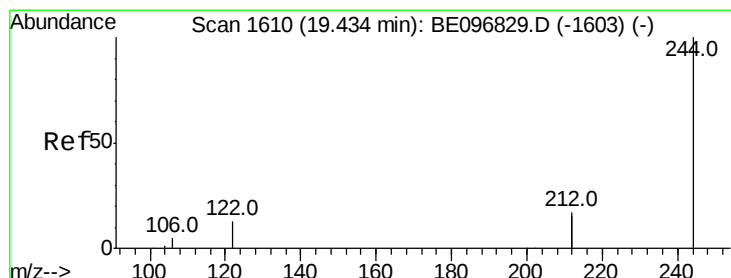
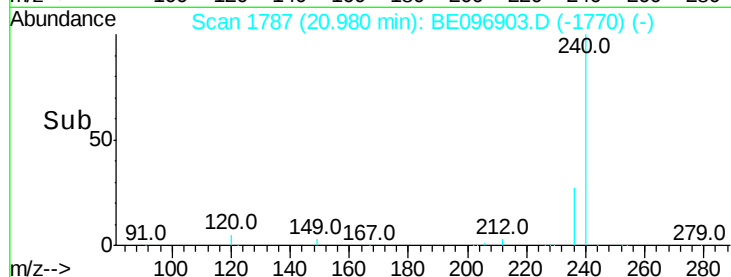
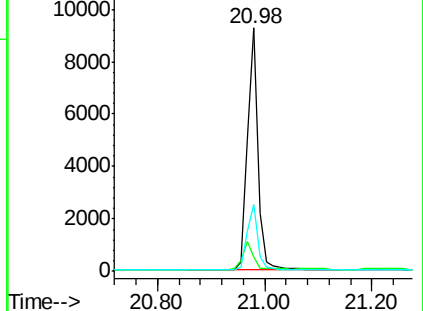
236 27.7 20.7 31.1



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

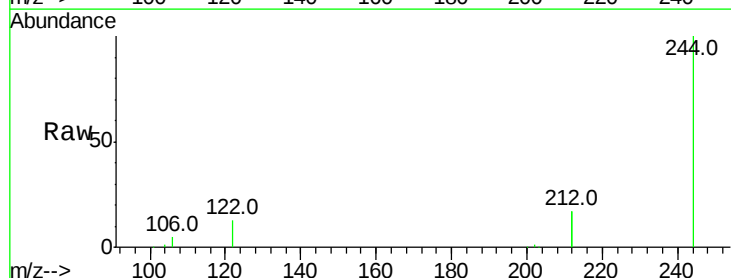
Tgt Ion:244 Resp: 22499

Ion Ratio Lower Upper

244 100

212 33.4 25.4 38.0

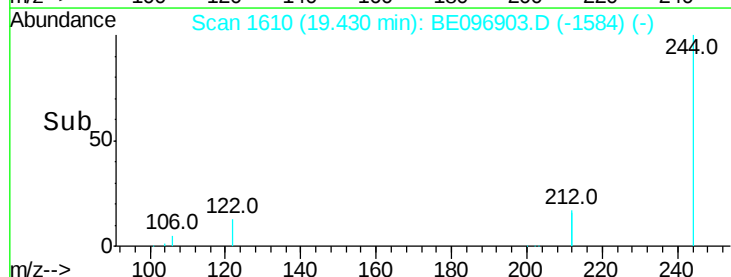
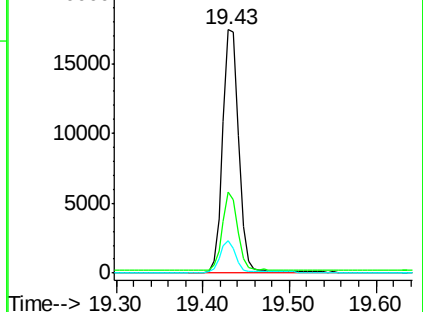
122 13.2 8.1 12.1#

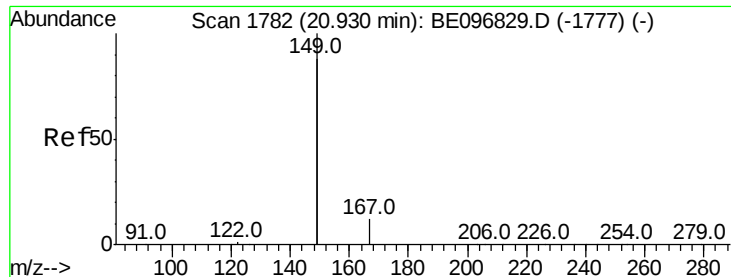


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

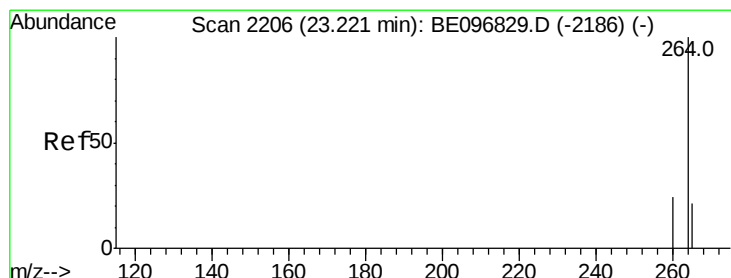
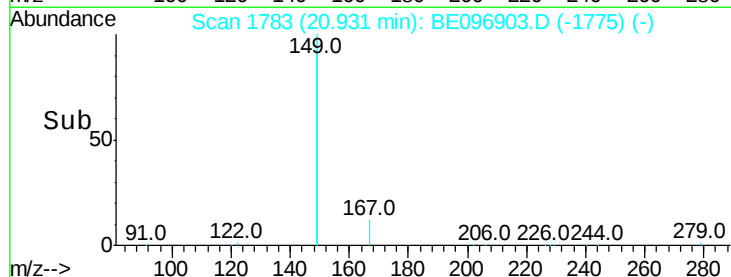
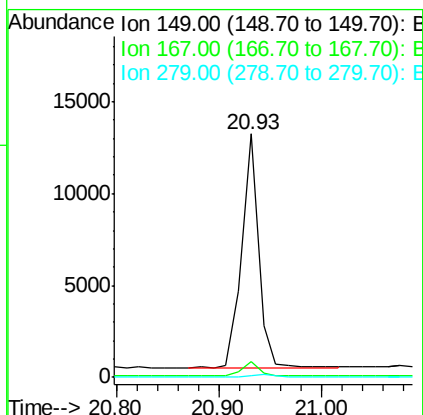
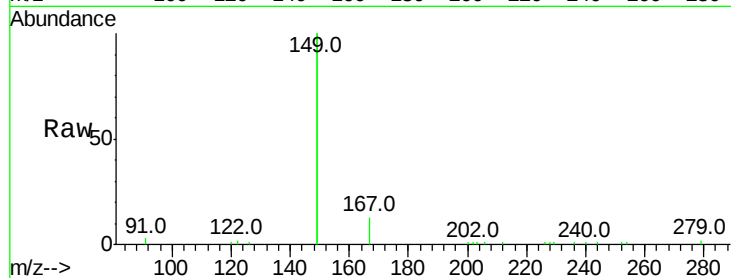




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.571 ng
 RT: 20.93 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BE096903.D
 Acq: 13 Jul 2018 12:56

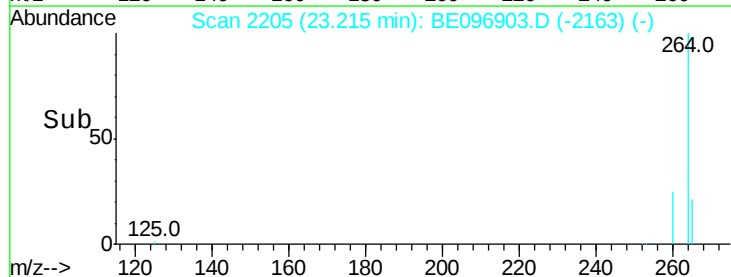
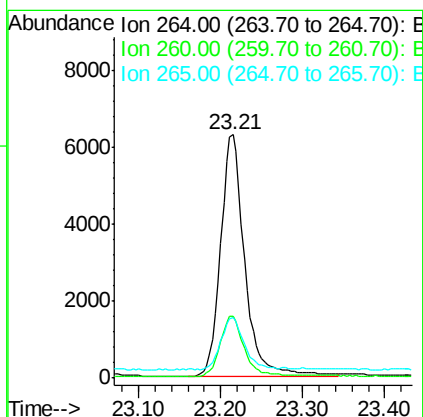
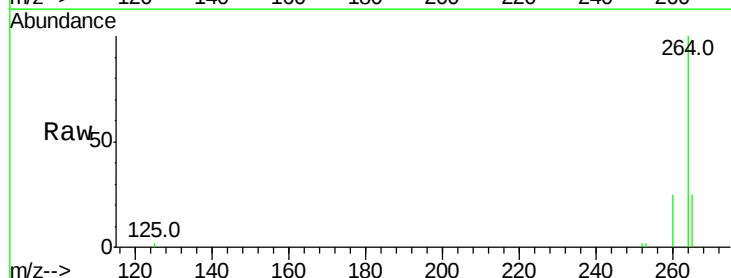
Instrument :
 BNA_E
 ClientSampleId :

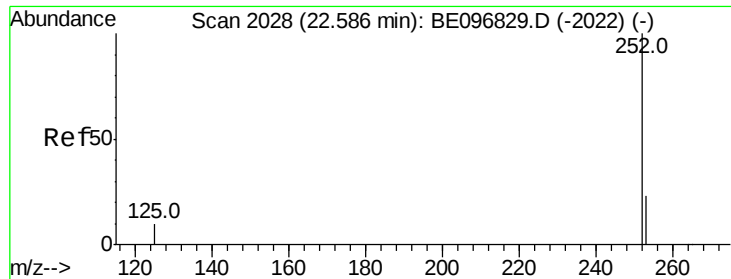
Tot Ion:149 Resp: 14626
 Ion Ratio Lower Upper
 149 100
 167 6.4 5.4 8.0
 279 0.9 0.7 1.1



#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

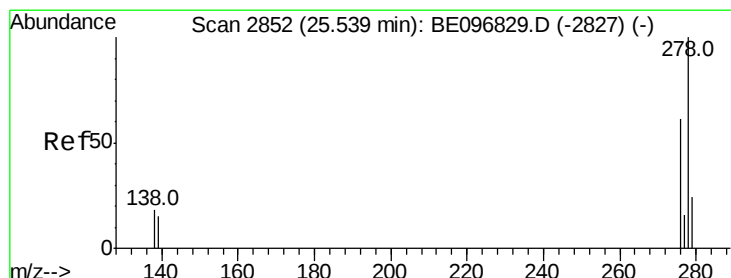
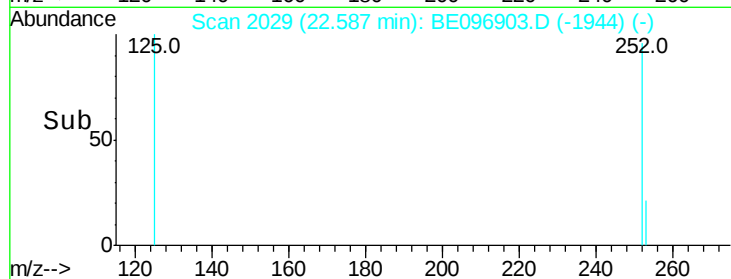
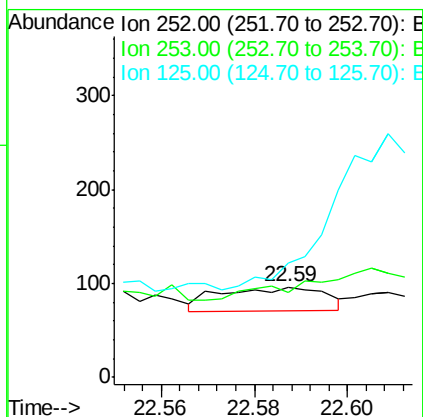
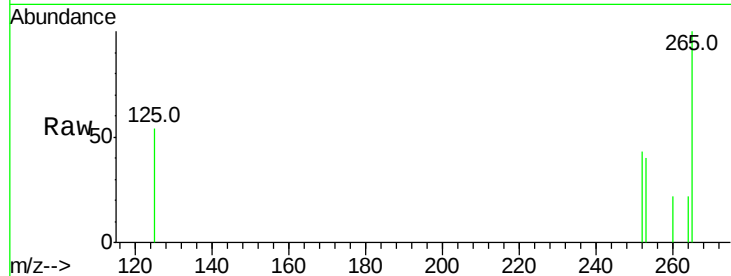




#36
Benzo(k)fluoranthene
Concen: 0.084 ng
RT: 22.59 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096903.D
Acq: 13 Jul 2018 12:56

Instrument :
BNA_E
ClientSampleId :

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#

