

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096185.D
 Acq On : 24 Jun 2017 12:22
 Operator : SJ/MA
 Sample : I3872-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:20:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

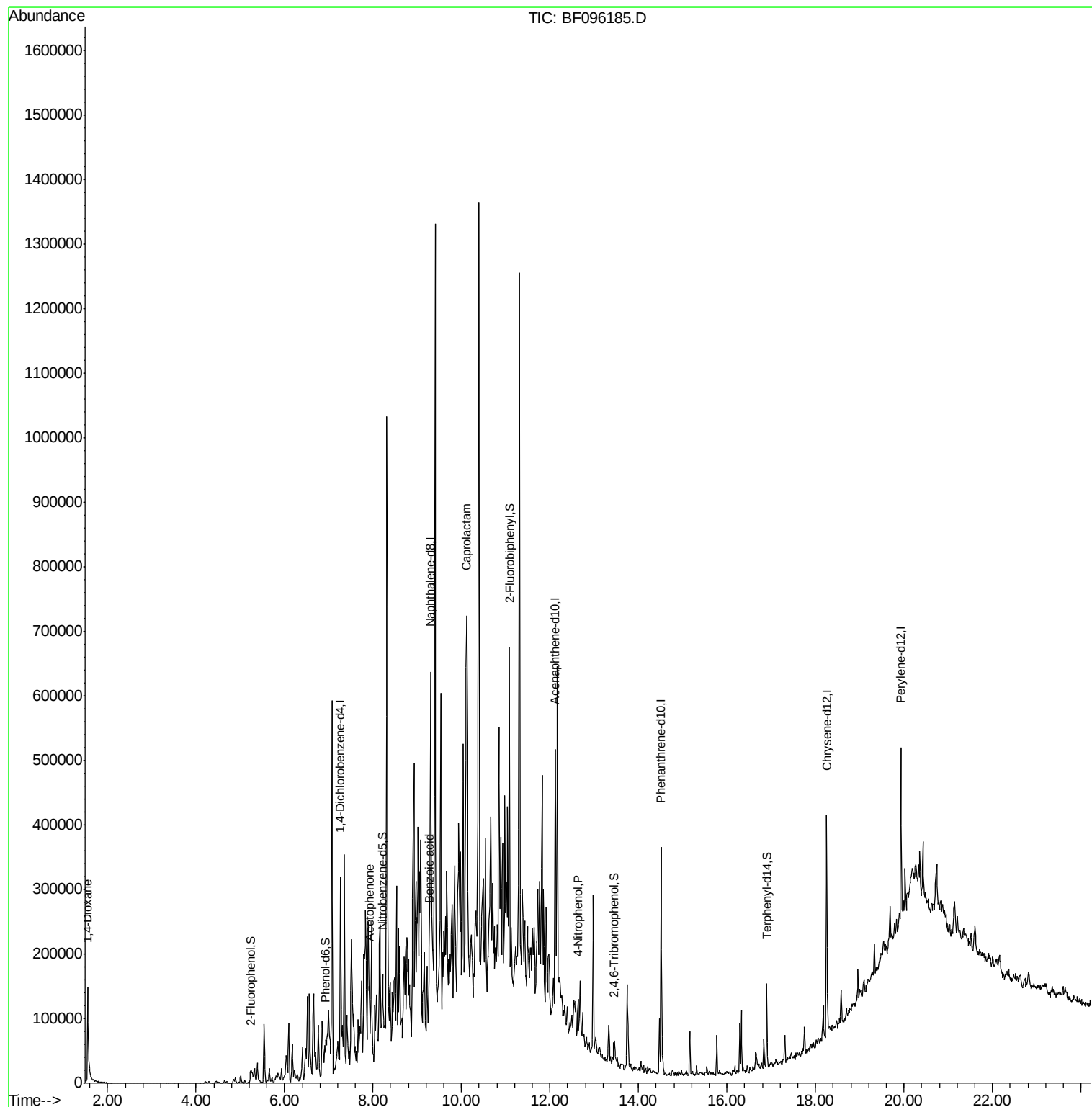
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	71522	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	282850	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	118815	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	182079	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	145253	20.00	ng	-0.02
86) Perylene-d12	19.93	264	125910	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	24063	5.36	ng	0.05
7) Phenol-d6	6.92	99	42802	7.97	ng	0.05
23) Nitrobenzene-d5	8.22	82	33641	7.39	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	8316	7.91	ng	0.00
44) 2-Fluorobiphenyl	11.08	172	69114	8.09	ng	-0.03
78) Terphenyl-d14	16.90	244	44810	7.66	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.55	88	7517	3.52	ng	# 25
22) Acetophenone	7.92	105	69780	10.54	ng	# 50
32) Benzoic acid	9.26	122	124	5.16	ng	# 1
35) Caprolactam	10.11	113	18692	16.50	ng	# 2
55) 4-Nitrophenol	12.62	139	971	5.31	ng	# 1

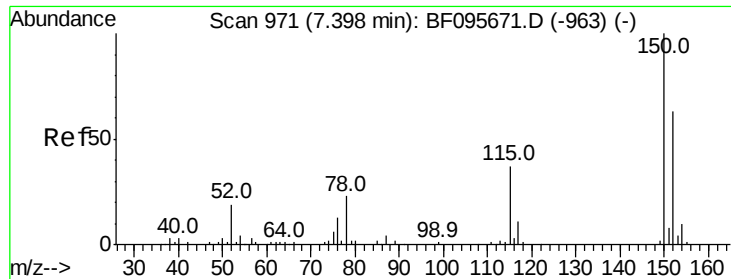
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.26 min Scan# 982

Delta R.T. -0.03 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

Instrument :

BNA_F

ClientSampleId :

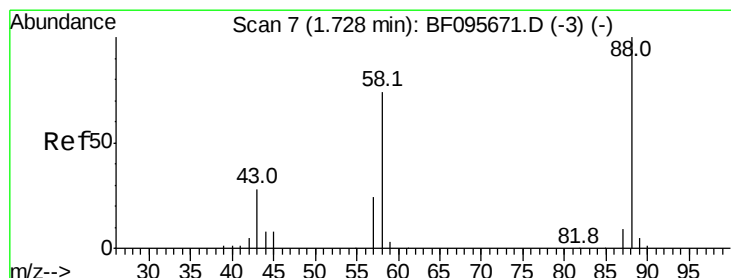
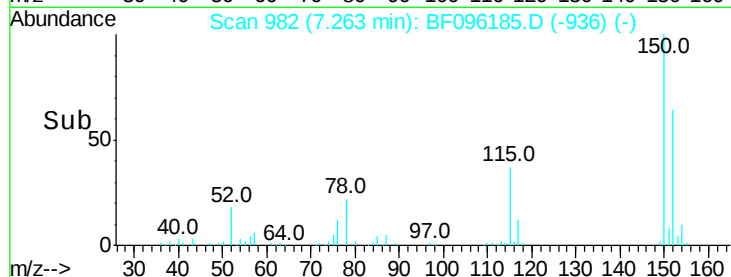
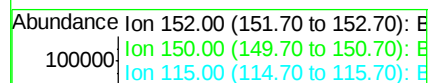
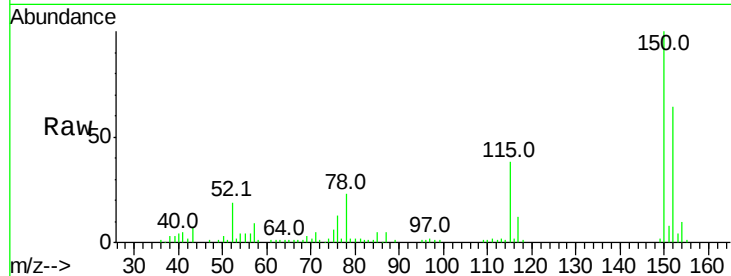
Tot Ion:152 Resp: 71522

Ion Ratio Lower Upper

152 100

150 155.1 126.2 189.2

115 59.4 52.2 78.2



#2

1,4-Dioxane

Concen: 3.52 ng

RT: 1.55 min Scan# 10

Delta R.T. -0.06 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

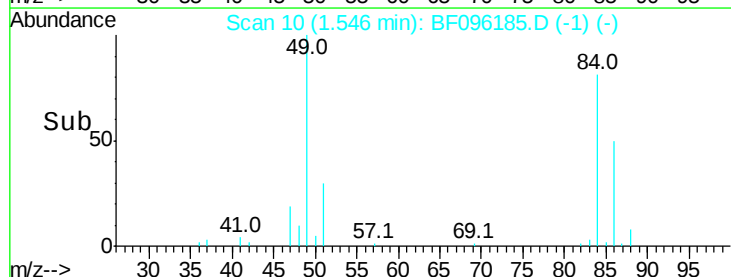
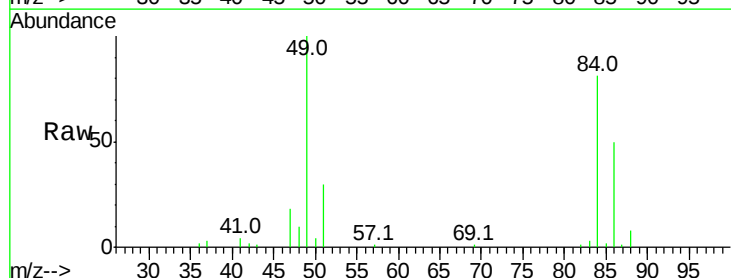
Tgt Ion: 88 Resp: 7517

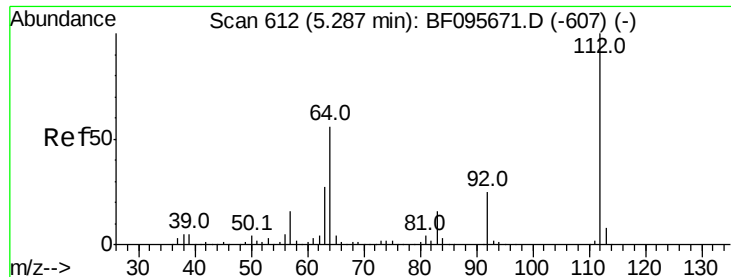
Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

43 8.4 23.4 35.0#





#5

2-Fluorophenol

Concen: 5.36 ng

RT: 5.23 min Scan# 637

Delta R.T. 0.05 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

Instrument :

BNA_F

ClientSampleId :

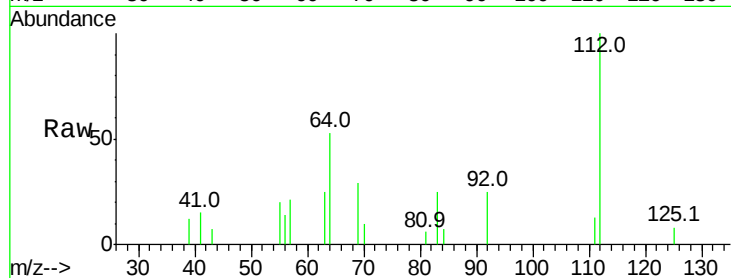
Tot Ion:112 Resp: 24063

Ion Ratio Lower Upper

112 100

64 52.7 46.0 69.0

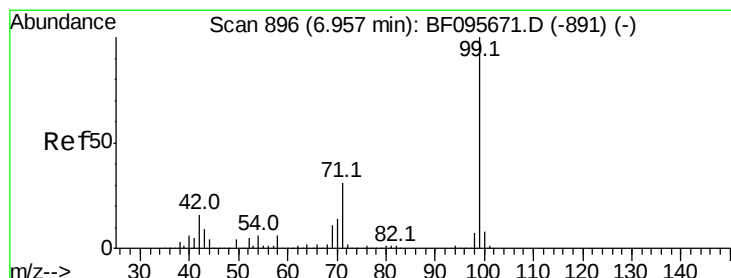
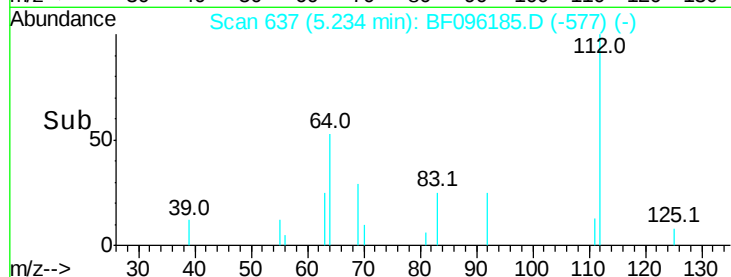
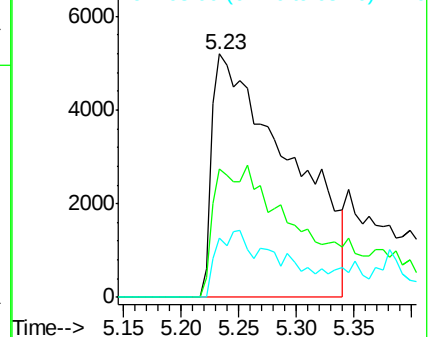
63 24.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 7.97 ng

RT: 6.92 min Scan# 924

Delta R.T. 0.05 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

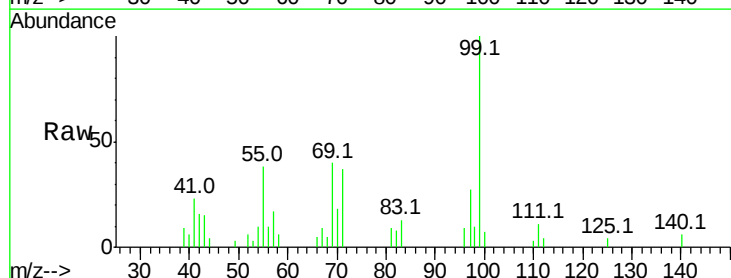
Tgt Ion: 99 Resp: 42802

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

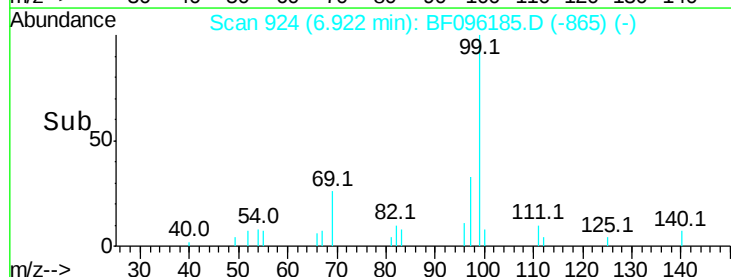
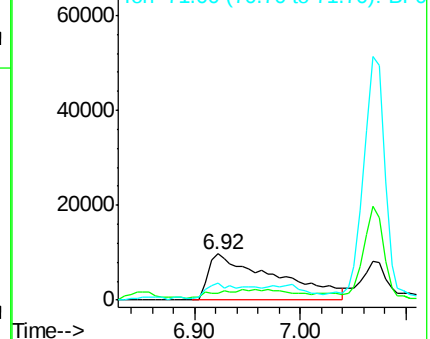
71 36.8 24.5 36.7#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.30 min Scan# 1328

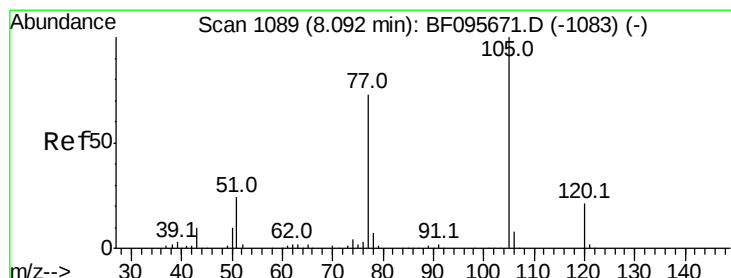
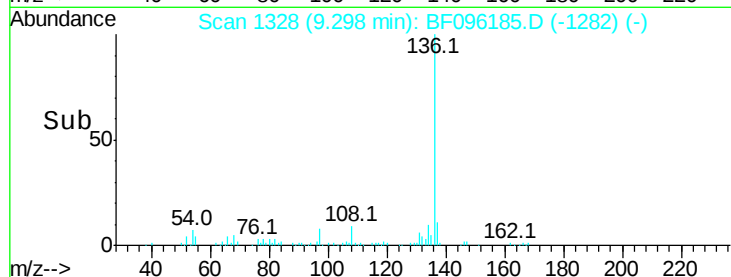
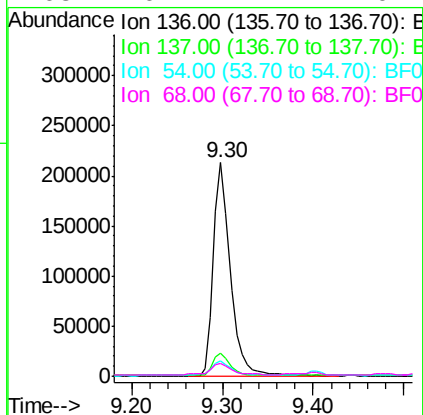
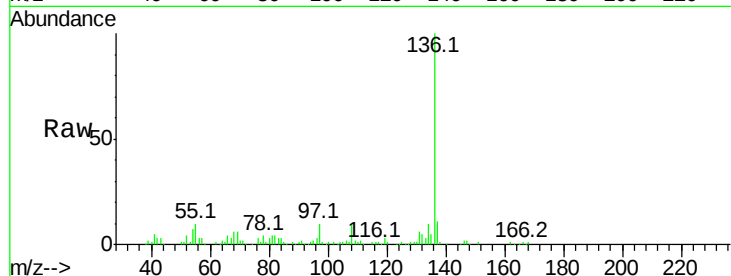
Delta R.T. -0.03 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	282850
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.5 12.7
54	7.3	4.9 7.3
68	6.1	4.1 6.1#



#22

Acetophenone

Concen: 10.54 ng

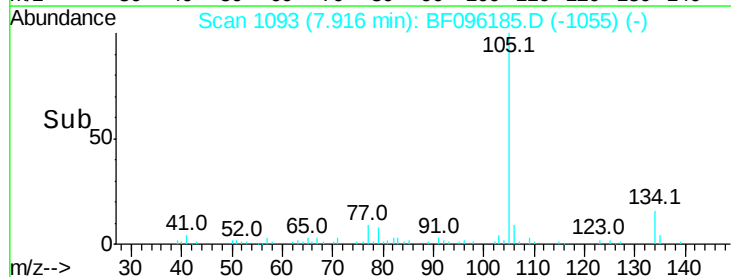
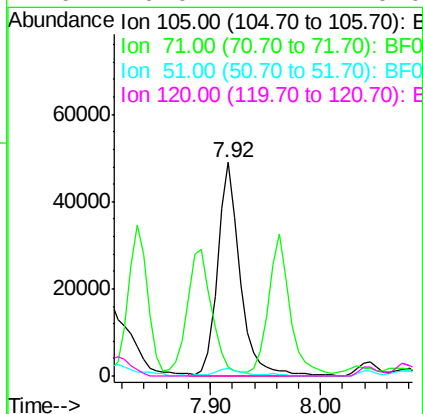
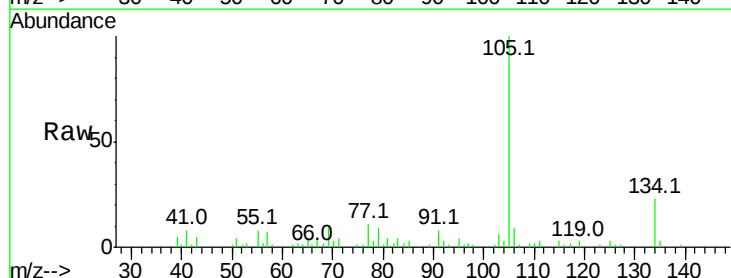
RT: 7.92 min Scan# 1093

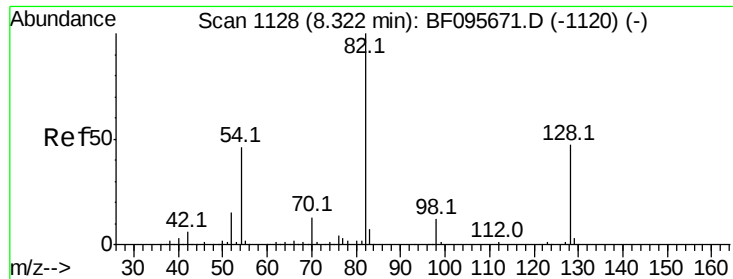
Delta R.T. -0.08 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

Tgt Ion:105	Resp:	69780
Ion	Ratio	Lower Upper
105	100	
71	4.4	2.8 4.2#
51	3.7	30.7 46.1#
120	0.0	17.4 26.0#

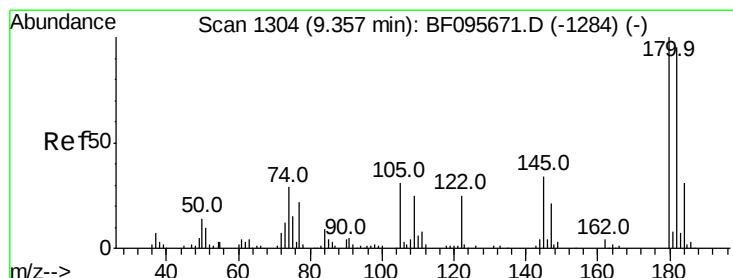
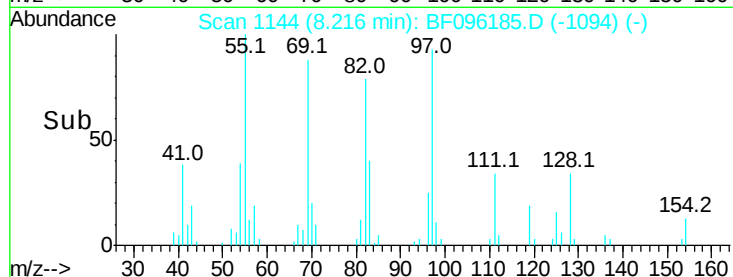
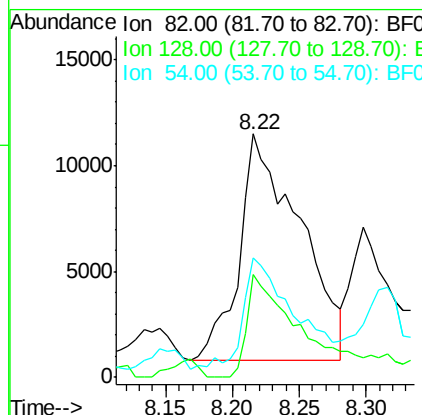
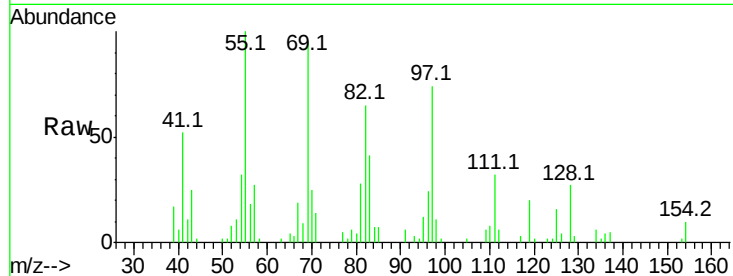




#23
Nitrobenzene-d5
Concen: 7.39 ng
RT: 8.22 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF096185.D
Acq: 24 Jun 2017 12:22

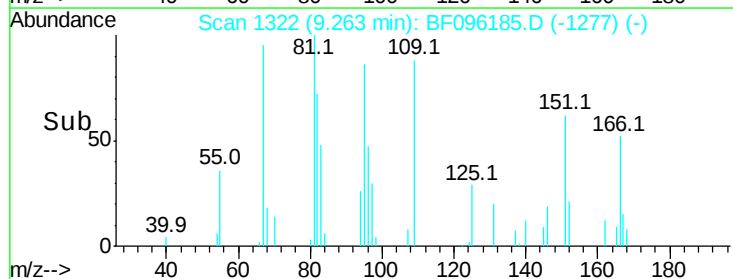
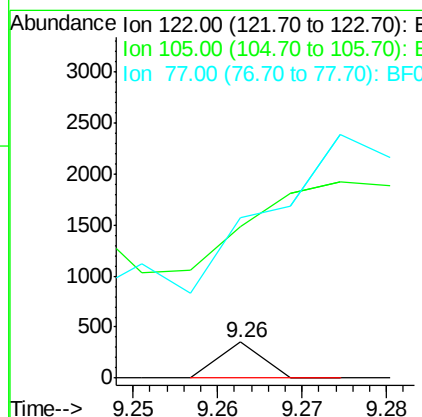
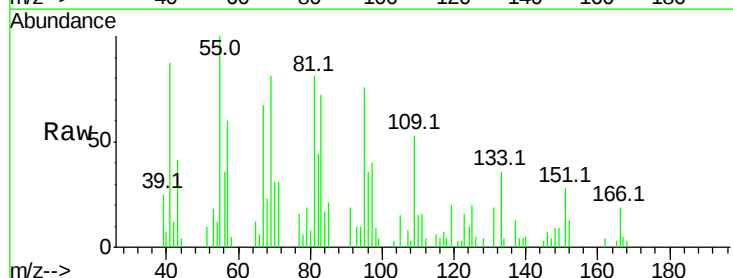
Instrument :
BNA_F
ClientSampled :

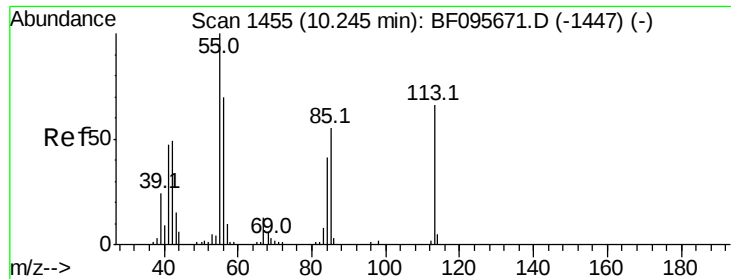
Tot Ion: 82 Resp: 33641
Ion Ratio Lower Upper
82 100
128 42.2 34.0 51.0
54 48.9 42.2 63.2



#32
Benzoic acid
Concen: 5.16 ng
RT: 9.26 min Scan# 1322
Delta R.T. -0.04 min
Lab File: BF096185.D
Acq: 24 Jun 2017 12:22

Tgt Ion:122 Resp: 124
Ion Ratio Lower Upper
122 100
105 421.4 103.3 143.3#
77 449.6 73.7 113.7#





#35

Caprolactam

Concen: 16.50 ng

RT: 10.11 min Scan# 1466

Delta R.T. -0.05 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

Instrument :

BNA_F

ClientSampleId :

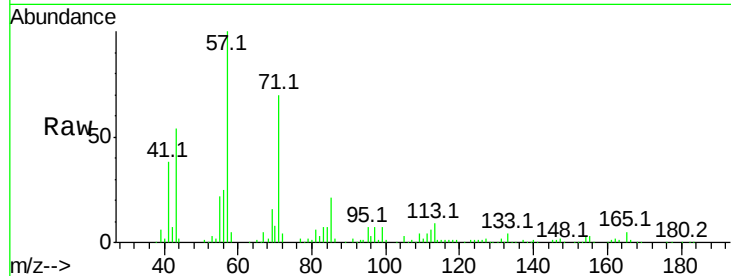
Tot Ion:113 Resp: 18692

Ion Ratio Lower Upper

113 100

55 260.7 150.2 190.2#

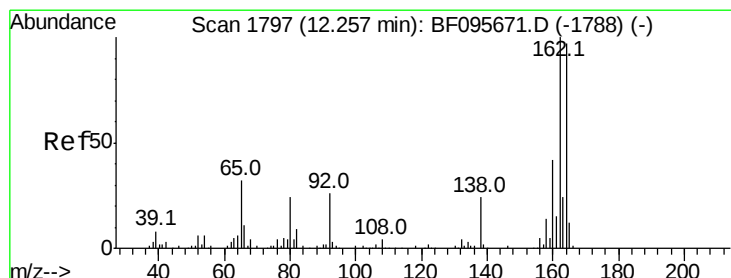
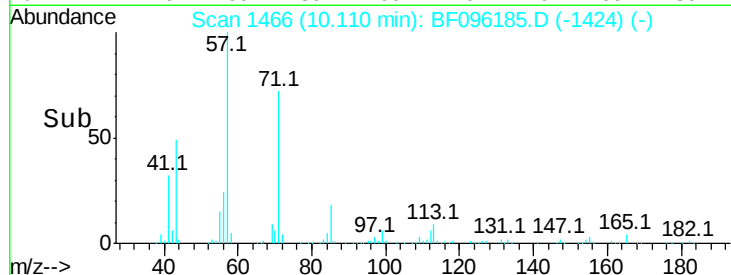
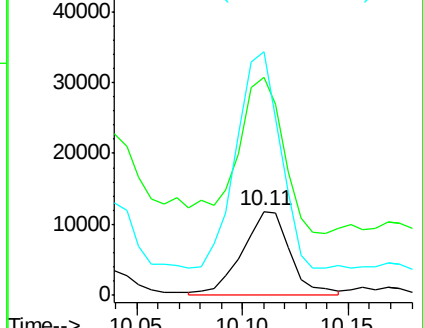
56 290.7 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

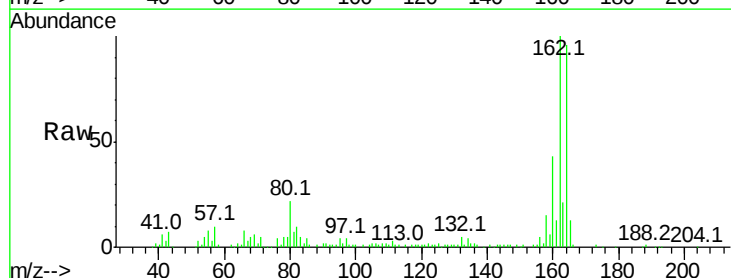
Tgt Ion:164 Resp: 118815

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

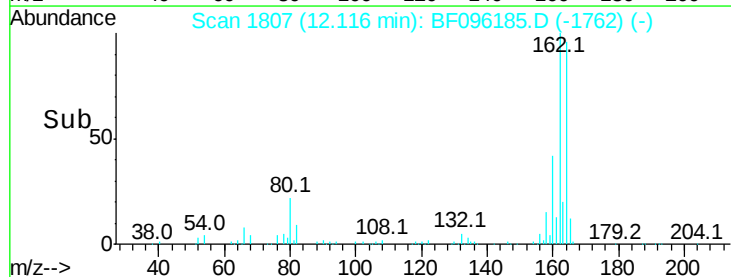
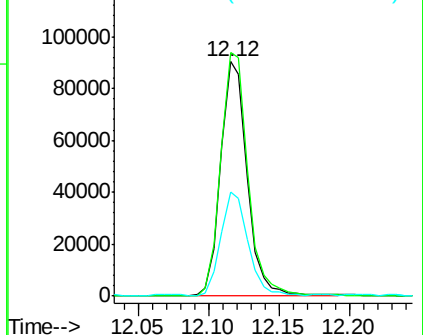
160 44.5 36.2 54.2

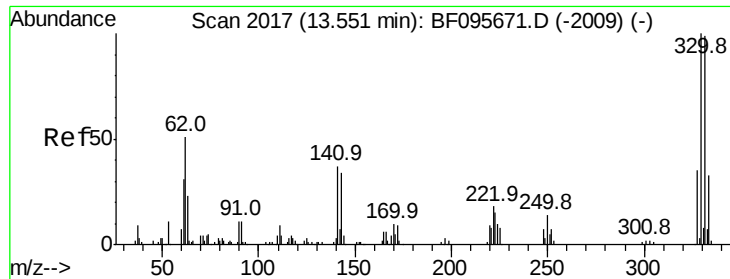


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

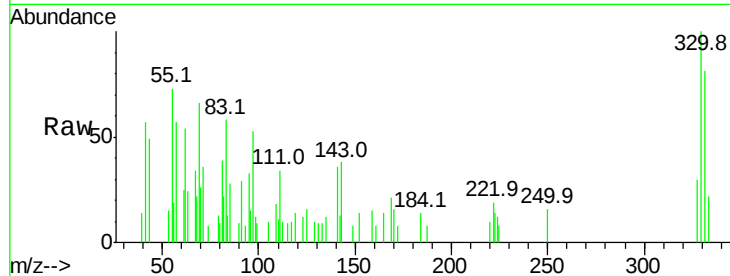




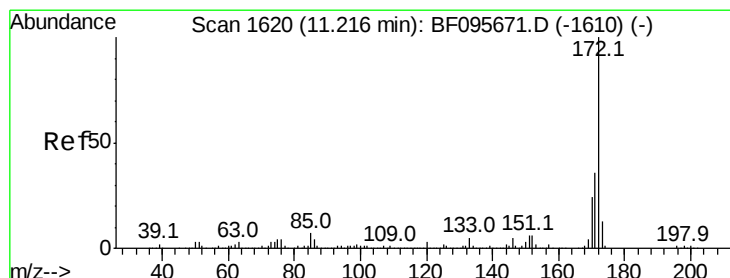
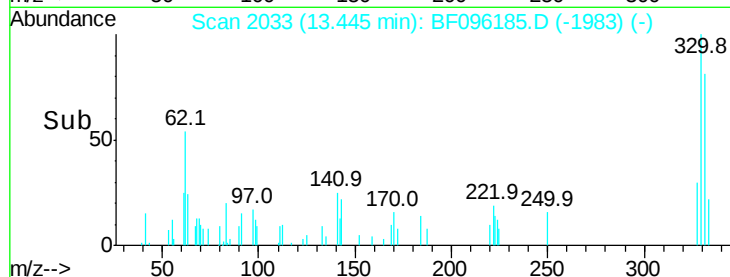
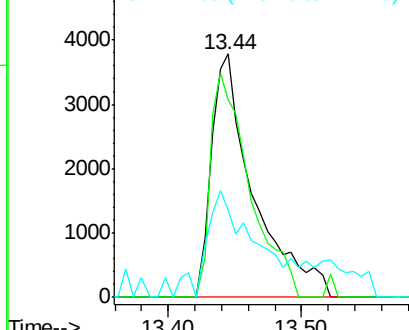
#41
 2,4,6-Tribromophenol
 Concen: 7.91 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096185.D
 Acq: 24 Jun 2017 12:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 8316
 Ion Ratio Lower Upper
 330 100
 332 86.8 76.6 115.0
 141 55.0 31.4 47.2#

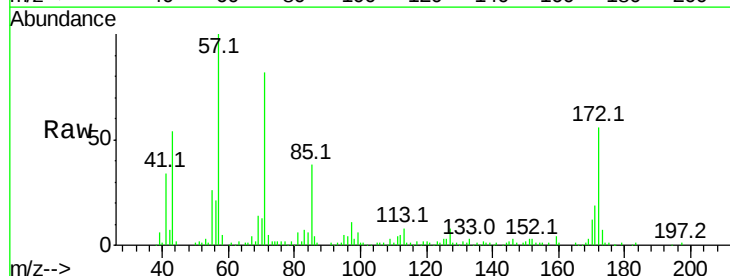


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

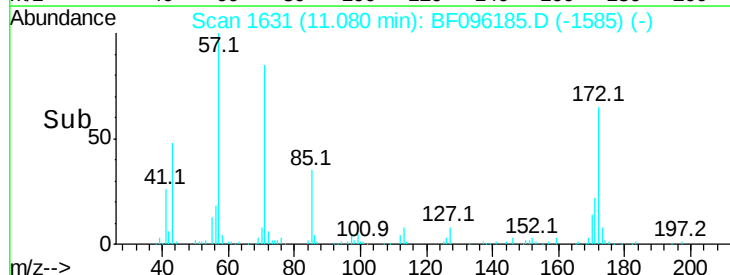
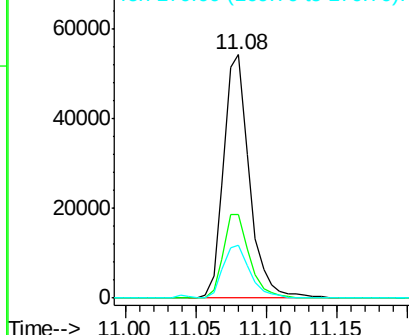


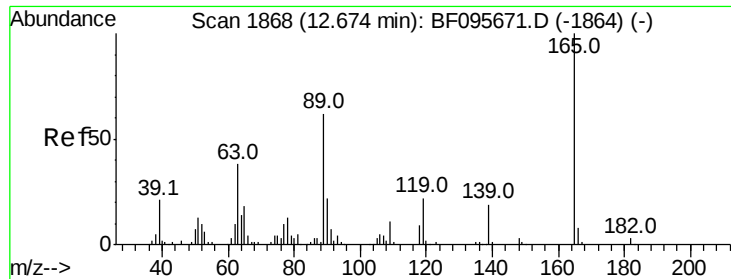
#44
 2-Fluorobiphenyl
 Concen: 8.09 ng
 RT: 11.08 min Scan# 1631
 Delta R.T. -0.03 min
 Lab File: BF096185.D
 Acq: 24 Jun 2017 12:22

Tgt Ion:172 Resp: 69114
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.6 44.4
 170 22.0 19.8 29.8



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

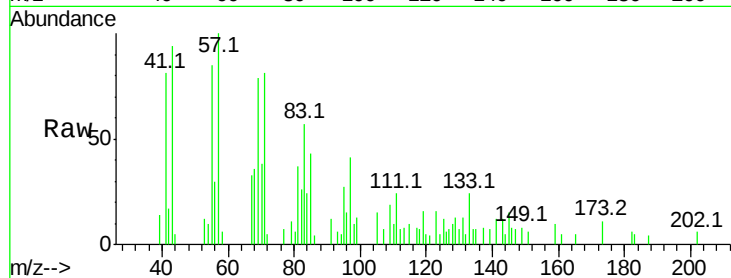




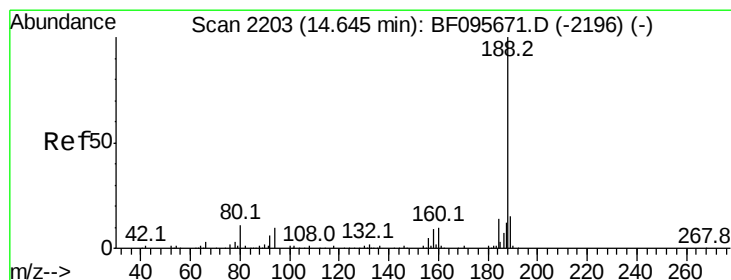
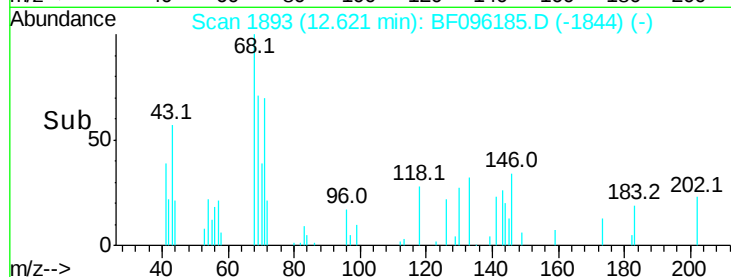
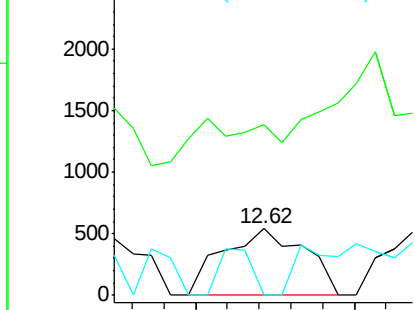
#55
4-Nitrophenol
Concen: 5.31 ng
RT: 12.62 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BF096185.D
Acq: 24 Jun 2017 12:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 971
Ion Ratio Lower Upper
139 100
109 255.5 34.1 74.1#
65 0.0 31.4 71.4#

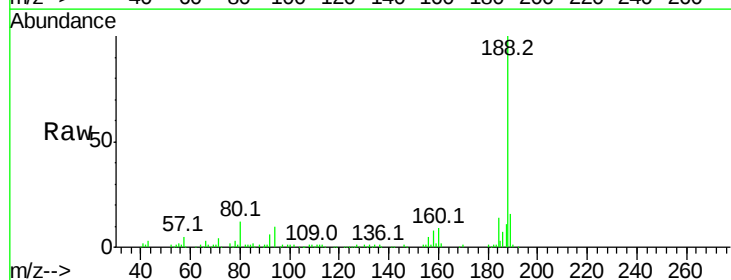


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

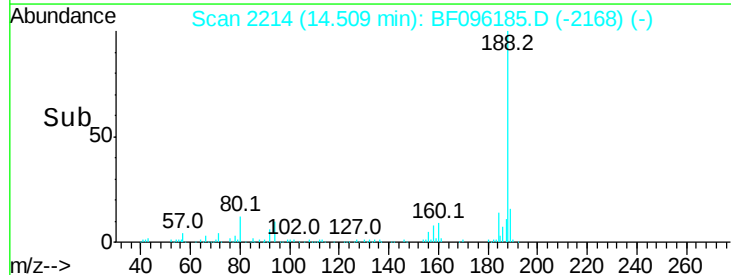
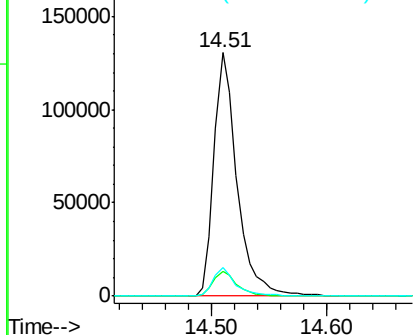


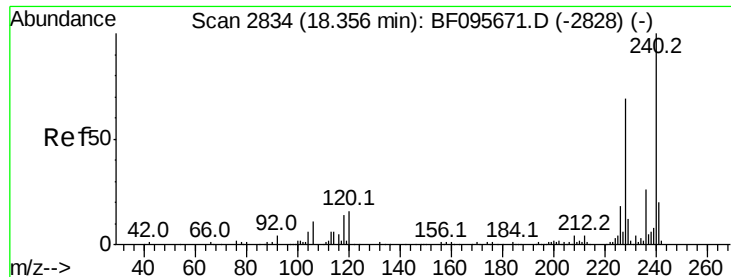
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096185.D
Acq: 24 Jun 2017 12:22

Tgt Ion:188 Resp: 182079
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 11.8 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.25 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

Instrument :

BNA_F

ClientSampleId :

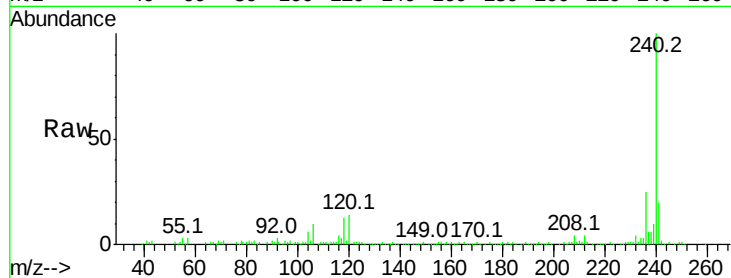
Tot Ion:240 Resp: 145253

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

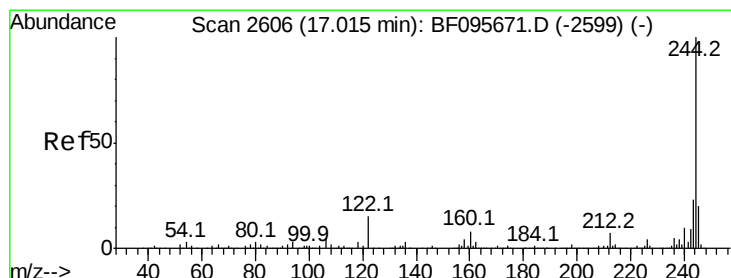
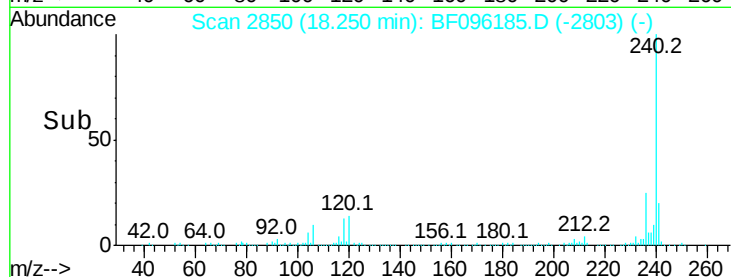
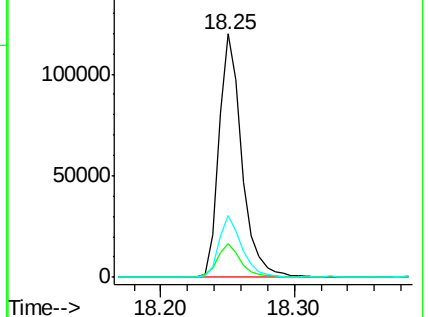
236 25.2 20.5 30.7



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



#78

Terphenyl-d14

Concen: 7.66 ng

RT: 16.90 min Scan# 2620

Delta R.T. -0.03 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

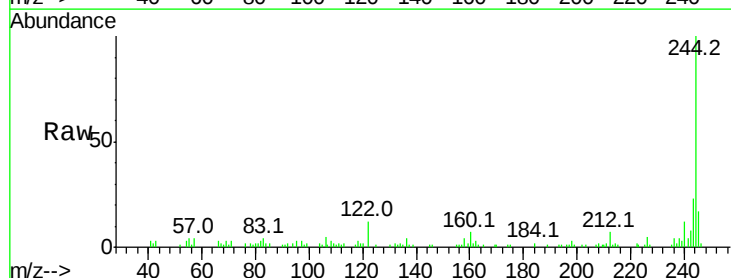
Tgt Ion:244 Resp: 44810

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

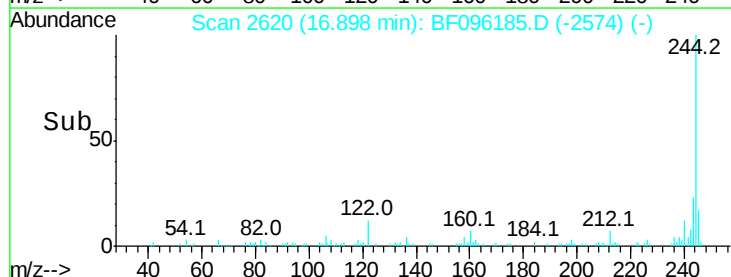
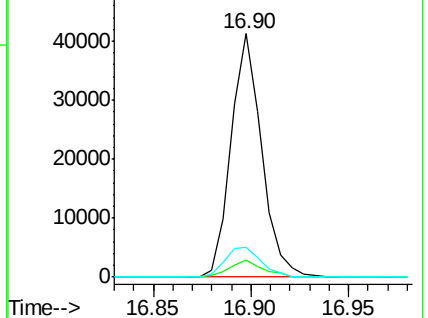
122 12.2 10.3 15.5

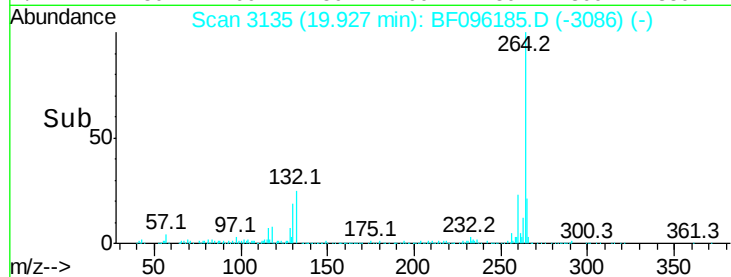
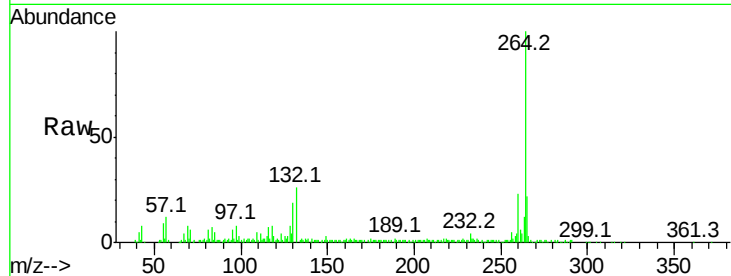
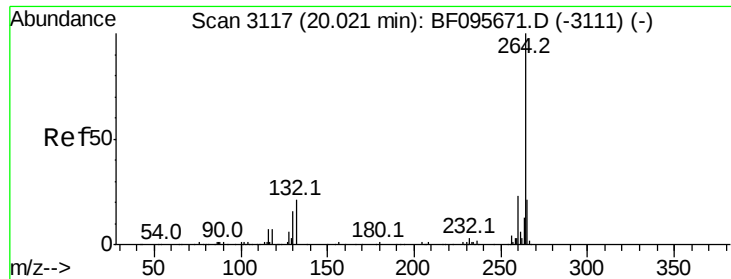


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.93 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BF096185.D

Acq: 24 Jun 2017 12:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 125910

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.9 17.2 25.8

