

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070117\
 Data File : BF096385.D
 Acq On : 1 Jul 2017 18:11
 Operator : SJ/MA
 Sample : I3950-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 01:48:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

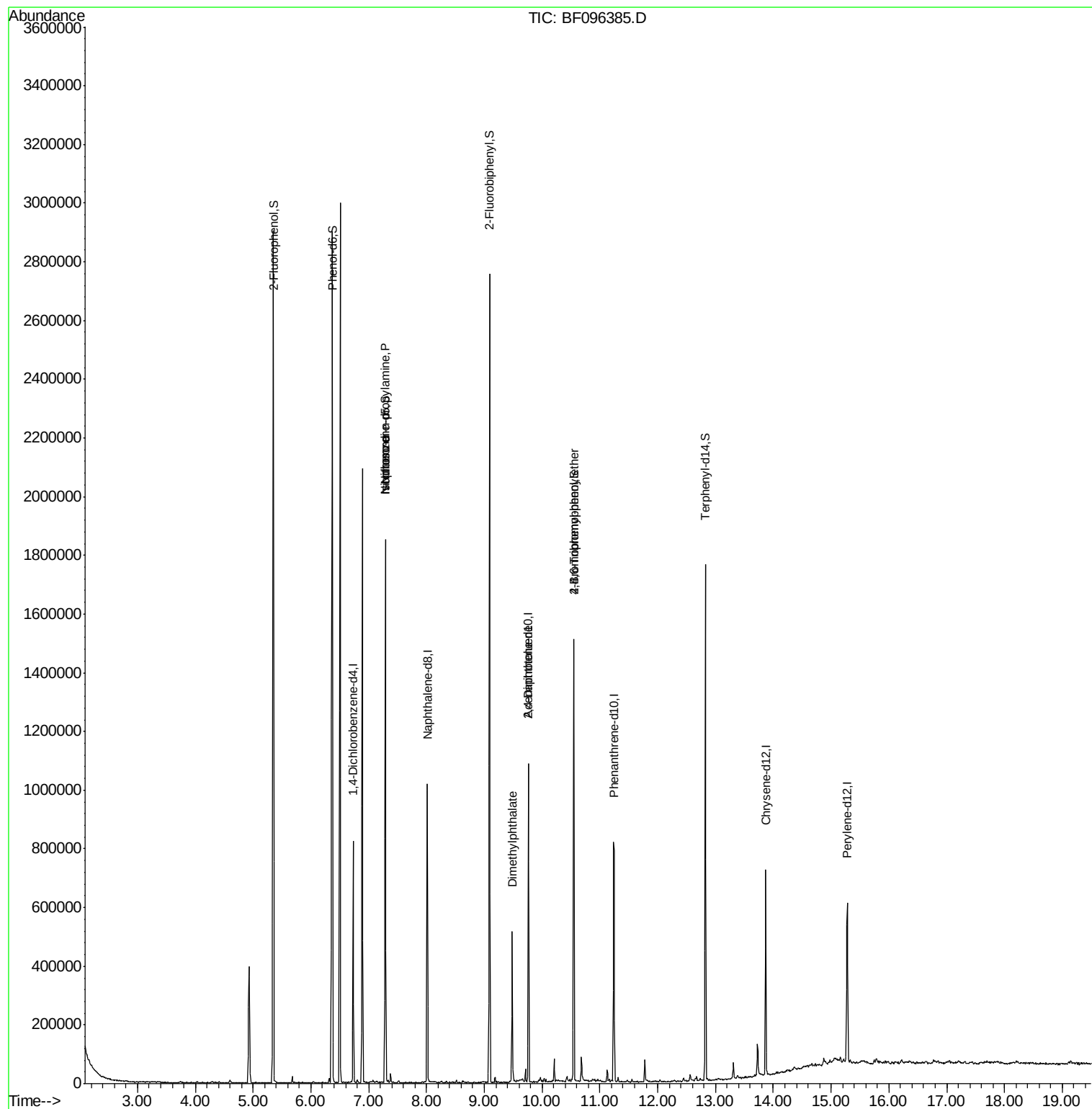
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	118381	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	492314	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	208252	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	309250	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	216218	20.00	ng	-0.01
86) Perylene-d12	15.28	264	218498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	848053	105.73	ng	0.00
7) Phenol-d6	6.37	99	1017050	103.15	ng	0.00
23) Nitrobenzene-d5	7.29	82	565751	69.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	178296	109.61	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	885552	72.70	ng	0.00
78) Terphenyl-d14	12.83	244	505210	49.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	72584	12.36	ng	# 88
25) Isophorone	7.29	82	561386	35.34	ng	# 67
49) Dimethylphthalate	9.48	163	186109	11.97	ng	100
56) 2,4-Dinitrotoluene	9.76	165	26619	6.11	ng	# 33
66) 4-Bromophenyl-phenylether	10.55	248	11813	3.92	ng	# 1

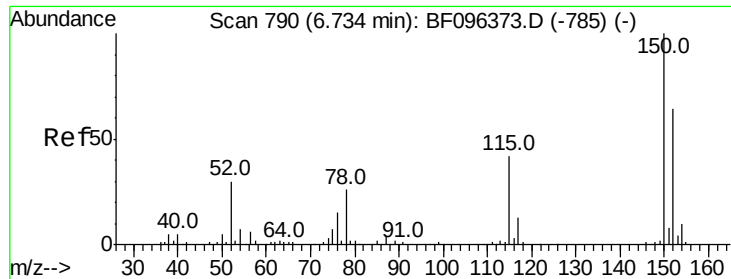
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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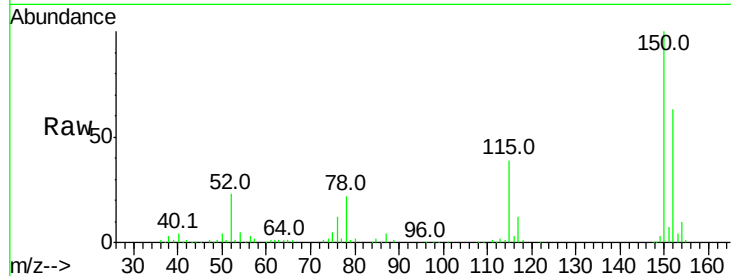


#1

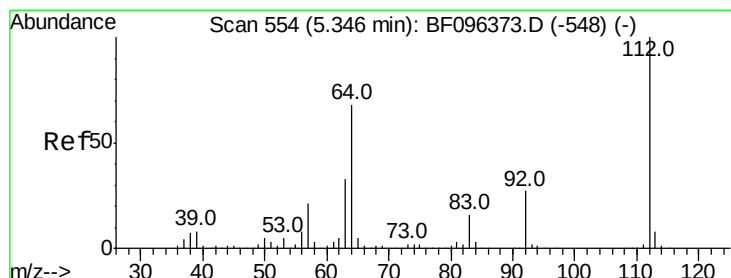
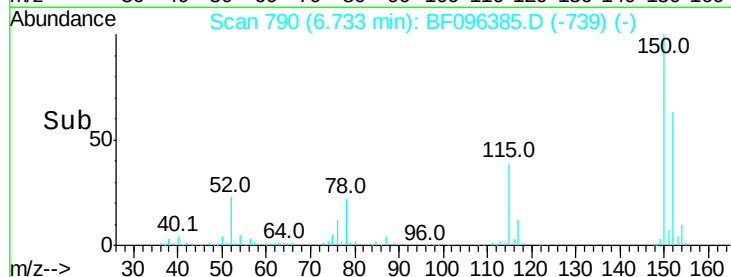
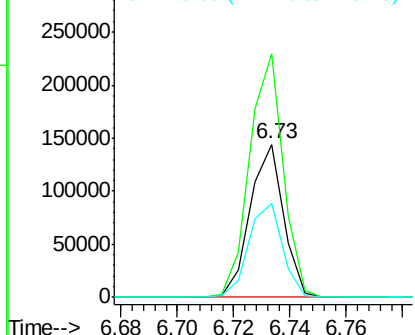
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096385.D
Acq: 1 Jul 2017 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118381
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 61.6 52.2 78.2



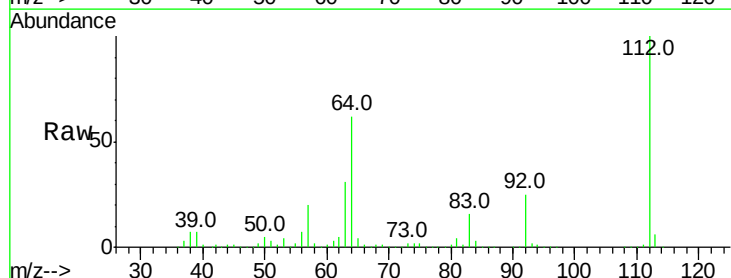
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



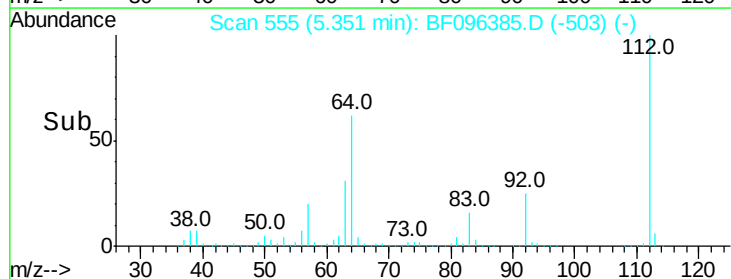
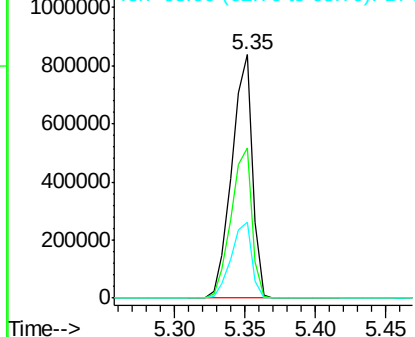
#5

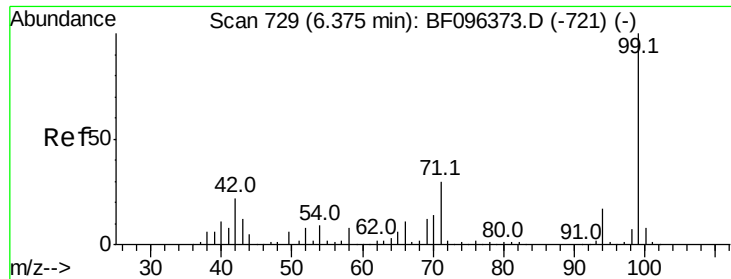
2-Fluorophenol
Concen: 105.73 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF096385.D
Acq: 1 Jul 2017 18:11

Tgt Ion:112 Resp: 848053
Ion Ratio Lower Upper
112 100
64 61.9 46.0 69.0
63 31.2 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: 103.15 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

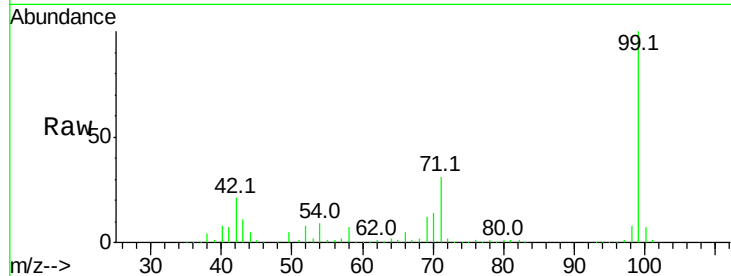
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1017050

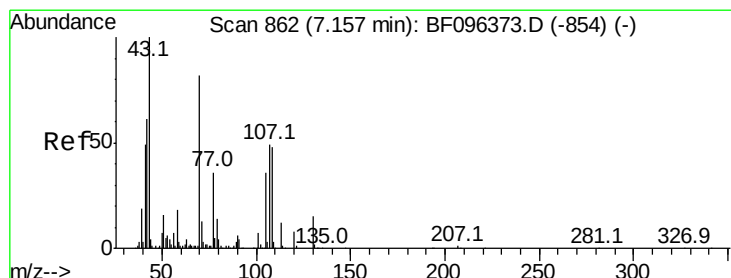
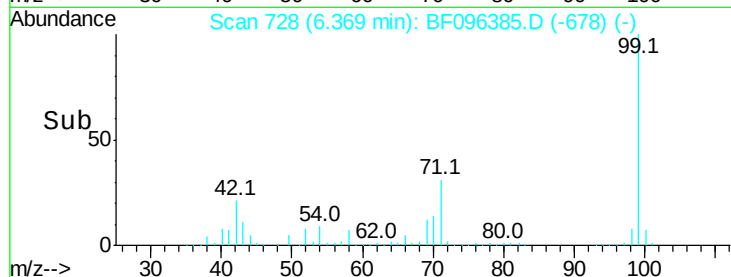
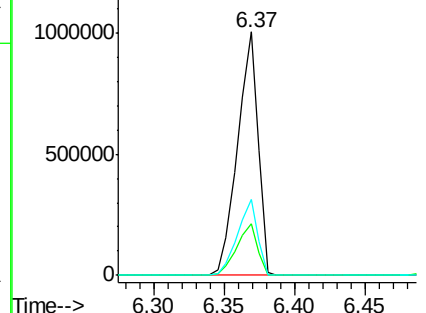
Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.5	20.3#
71	31.1	24.5	36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.36 ng

RT: 7.29 min Scan# 885

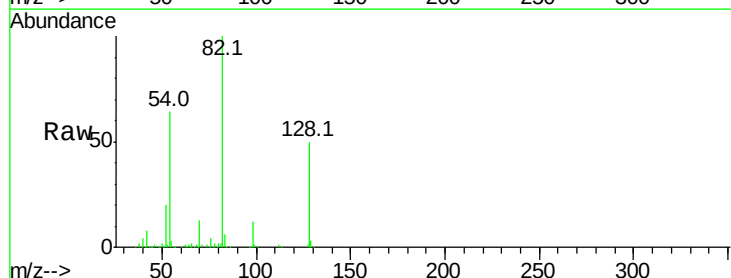
Delta R.T. 0.14 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

Tgt Ion: 70 Resp: 72584

Ion	Ratio	Lower	Upper
70	100		
42	58.6	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#

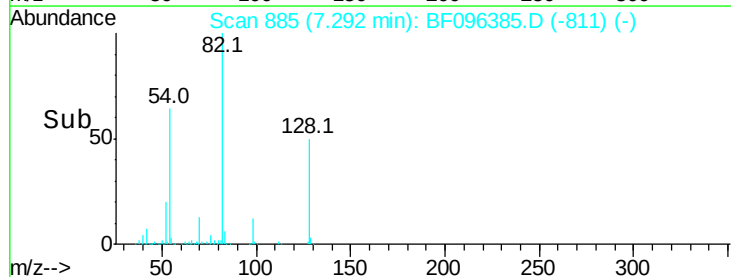
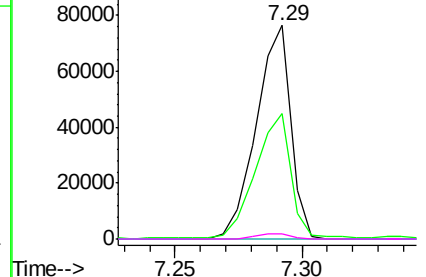


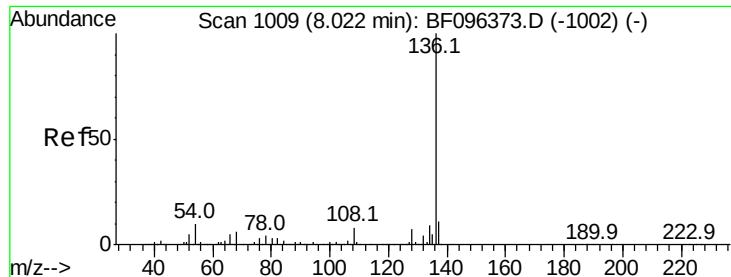
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

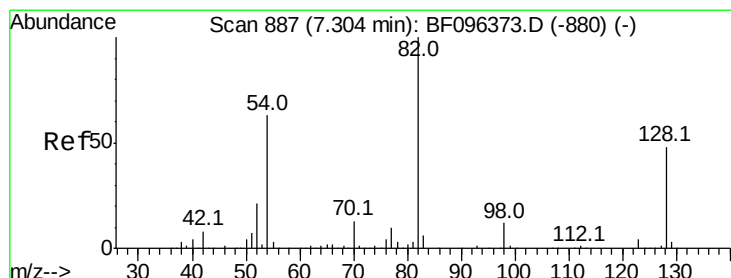
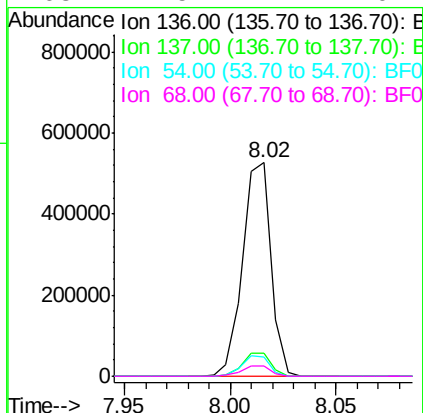
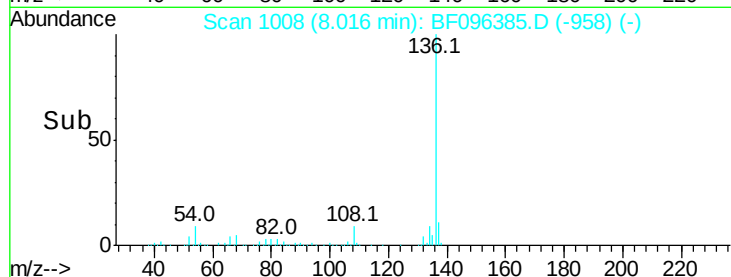
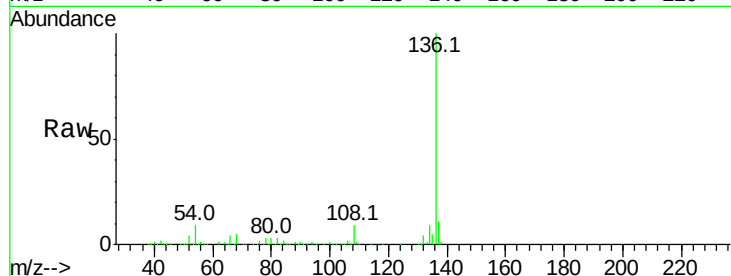




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096385.D
Acq: 1 Jul 2017 18:11

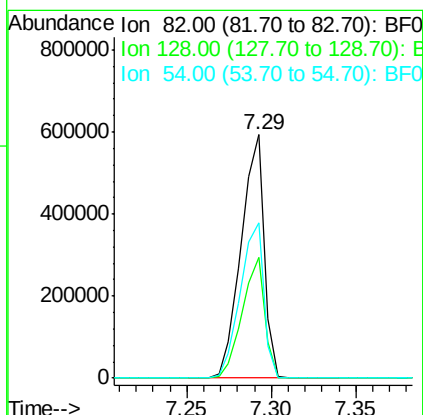
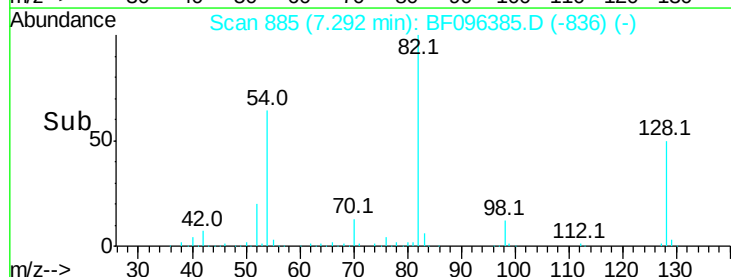
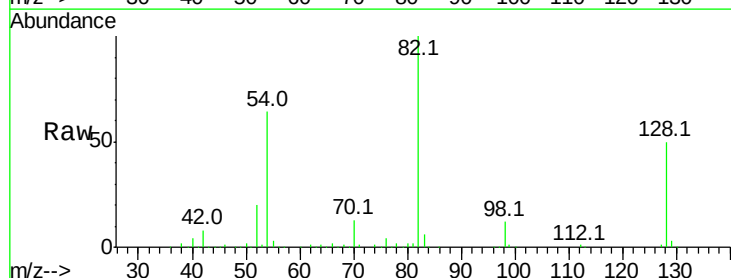
Instrument :
BNA_F
ClientSampleId :

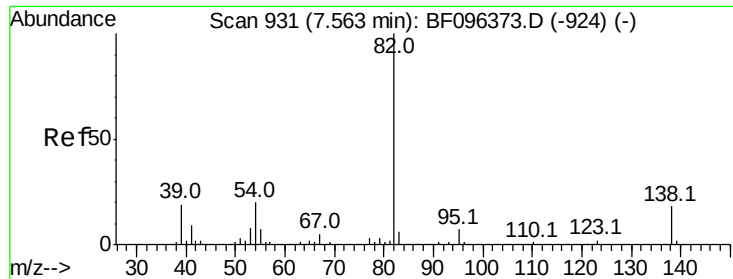
Tot Ion:	136	Resp:	492314
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	8.8	4.9	7.3#
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 69.05 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF096385.D
Acq: 1 Jul 2017 18:11

Tgt Ion:	82	Resp:	565751
Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.0	51.0
54	63.7	42.2	63.2#





#25

Isophorone

Concen: 35.34 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

Instrument :

BNA_F

ClientSampleId :

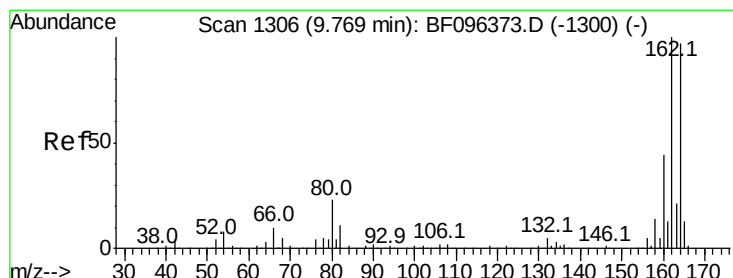
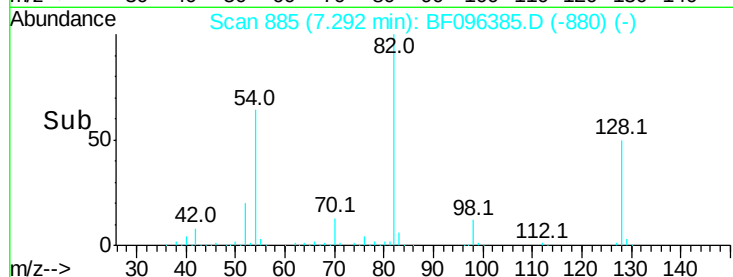
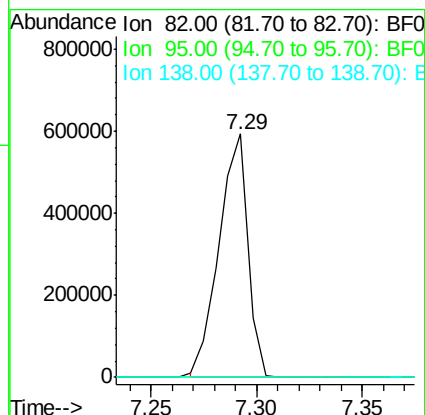
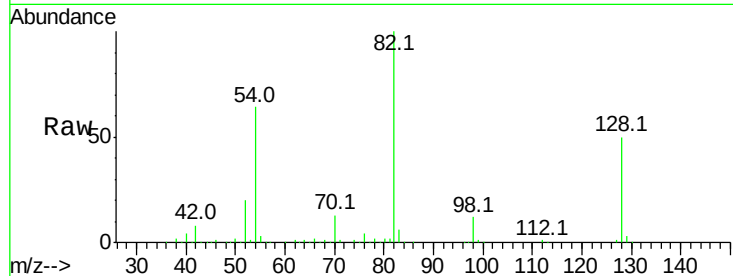
Tot Ion: 82 Resp: 561386

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

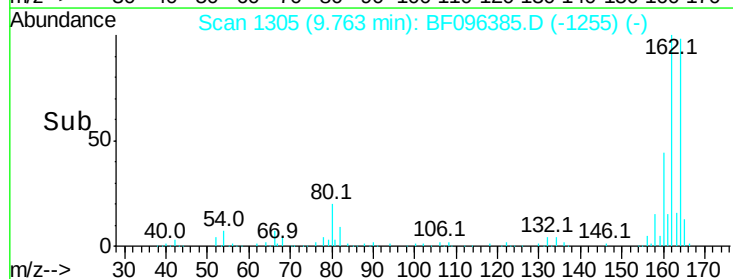
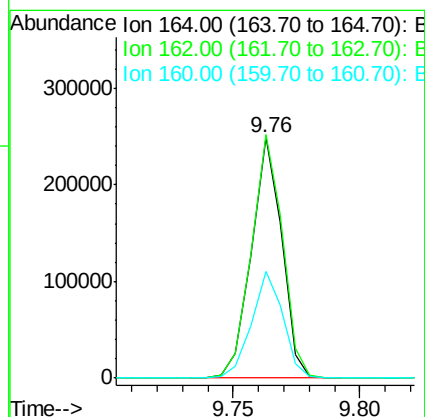
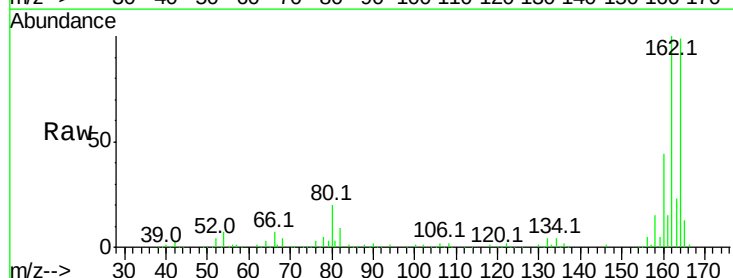
Tgt Ion:164 Resp: 208252

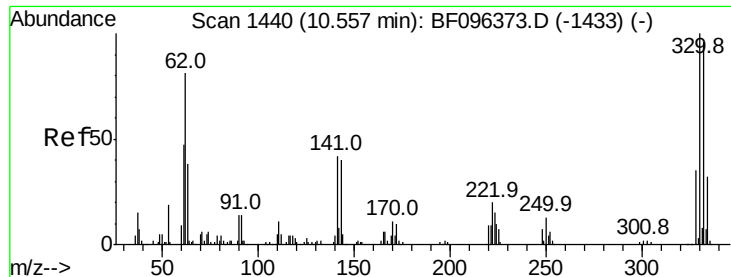
Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

160 44.3 36.2 54.2

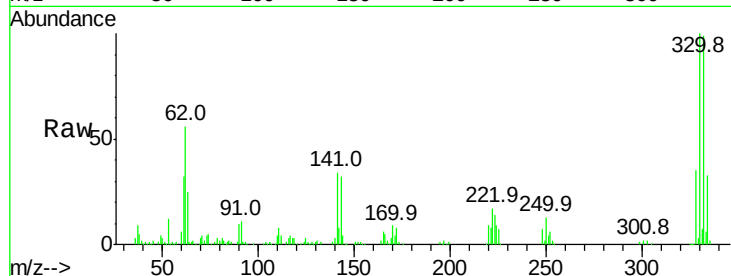




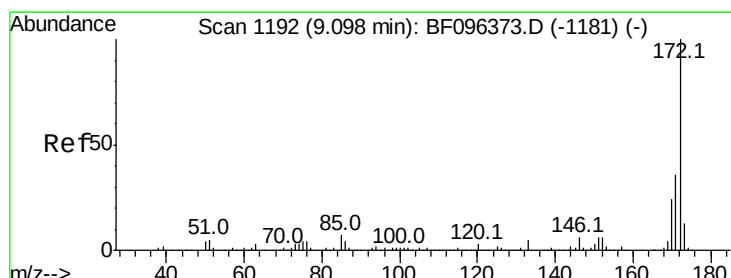
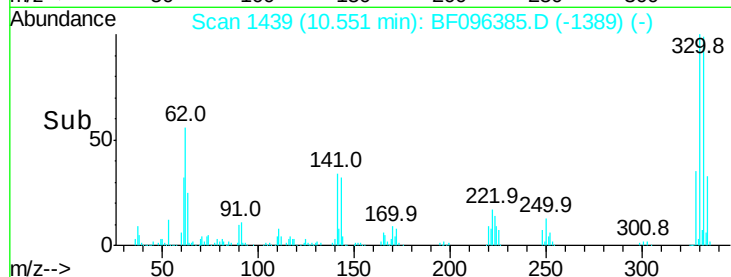
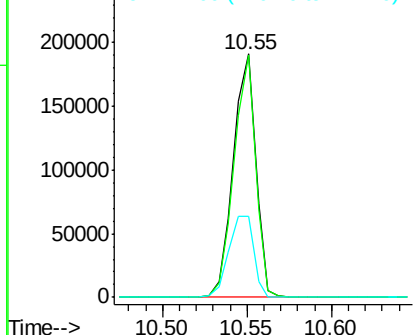
#41
 2,4,6-Tribromophenol
 Concen: 109.61 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096385.D
 Acq: 1 Jul 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 178296
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 36.8 31.4 47.2

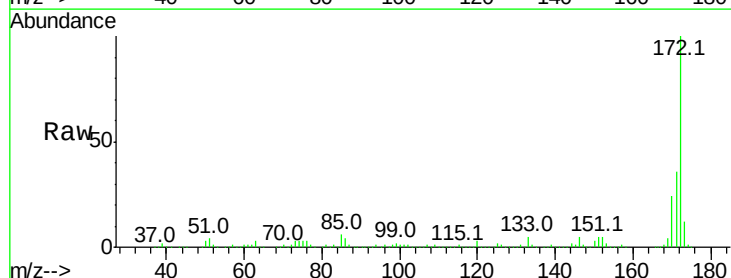


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

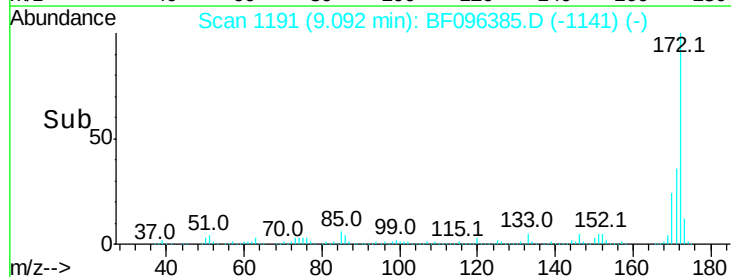
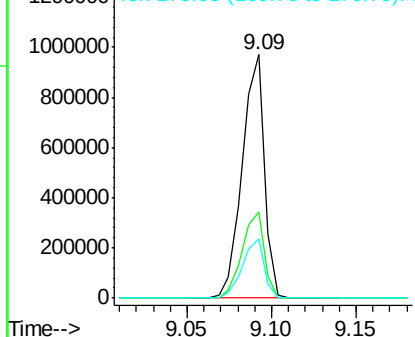


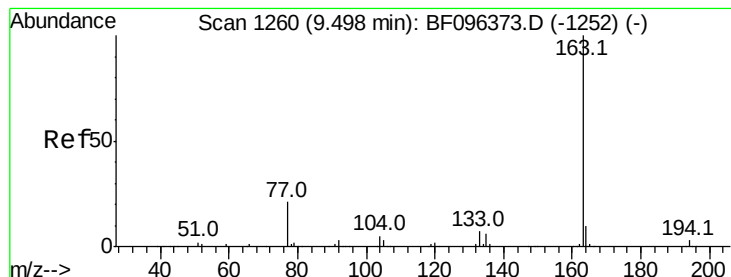
#44
 2-Fluorobiphenyl
 Concen: 72.70 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096385.D
 Acq: 1 Jul 2017 18:11

Tgt Ion:172 Resp: 885552
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 24.2 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





#49

Dimethylphthalate

Concen: 11.97 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

Instrument :

BNA_F

ClientSampleId :

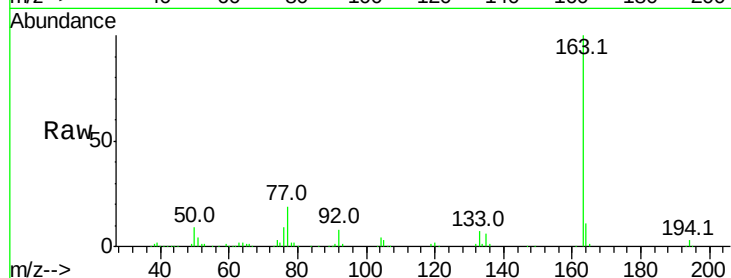
Tot Ion:163 Resp: 186109

Ion Ratio Lower Upper

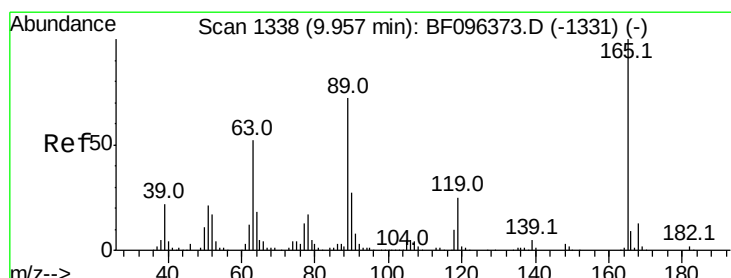
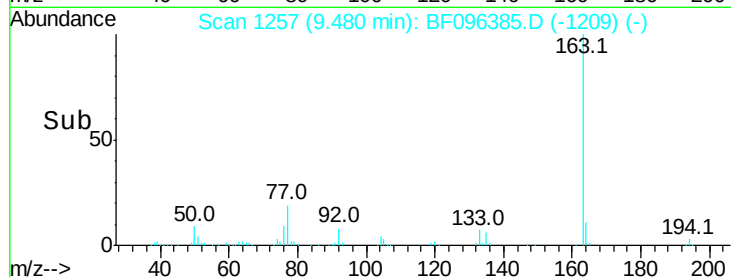
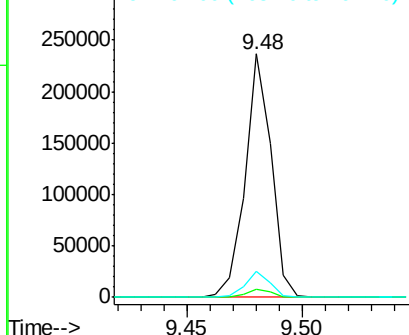
163 100

194 3.4 2.6 4.0

164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.11 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.19 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

Tgt Ion:165 Resp: 26619

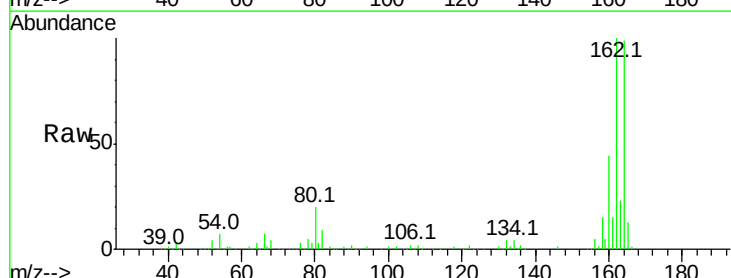
Ion Ratio Lower Upper

165 100

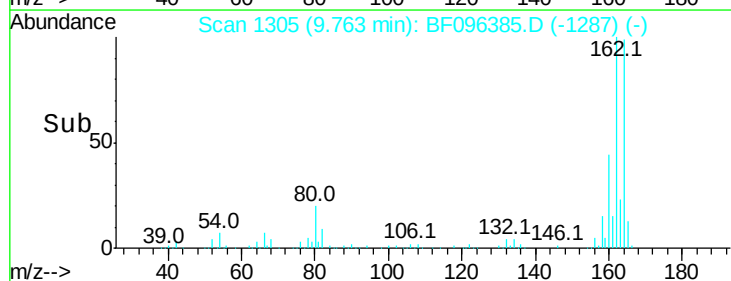
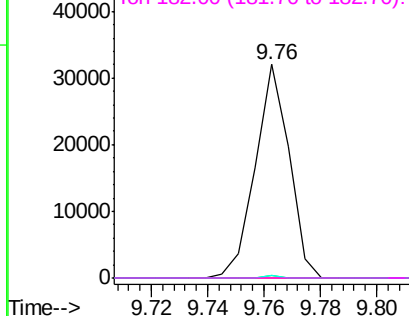
63 1.1 25.4 38.0#

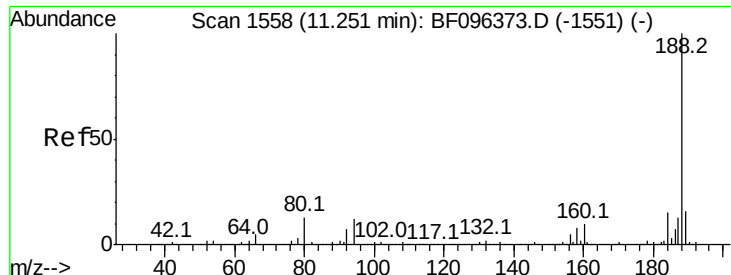
89 1.4 46.4 69.6#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

Instrument :

BNA_F

ClientSampleId :

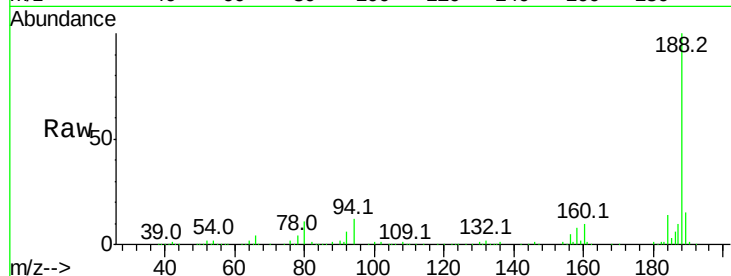
Tot Ion:188 Resp: 309250

Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	11.2	10.2	15.2

188 100

94 12.0 9.4 14.2

80 11.2 10.2 15.2



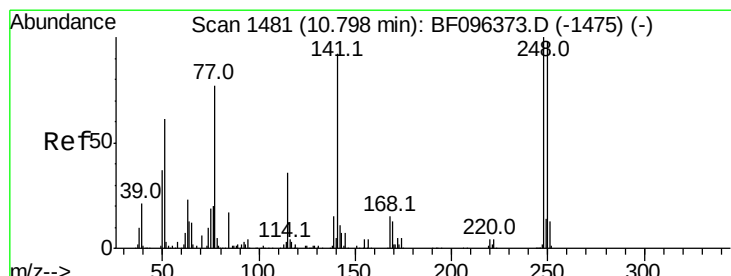
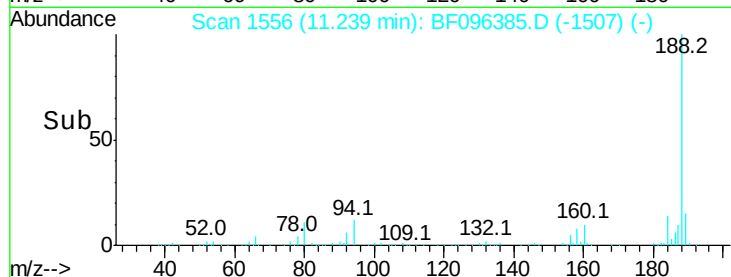
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.24

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.92 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.25 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

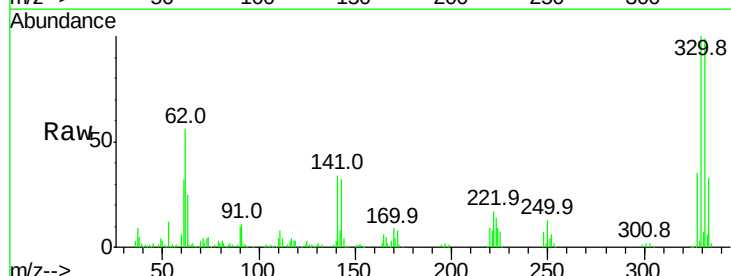
Tgt Ion:248 Resp: 11813

Ion	Ratio	Lower	Upper
248	100		
250	196.0	76.8	115.2#
141	504.1	68.6	103.0#

248 100

250 196.0 76.8 115.2#

141 504.1 68.6 103.0#



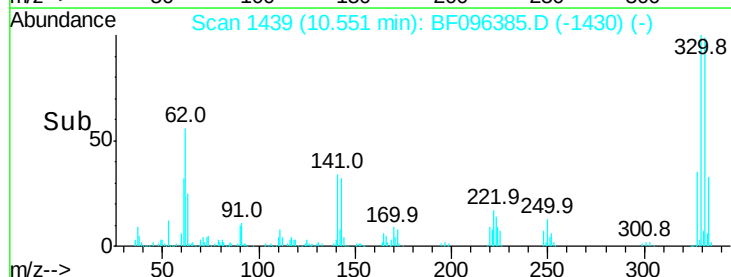
Abundance Ion 248.00 (247.70 to 248.70): E

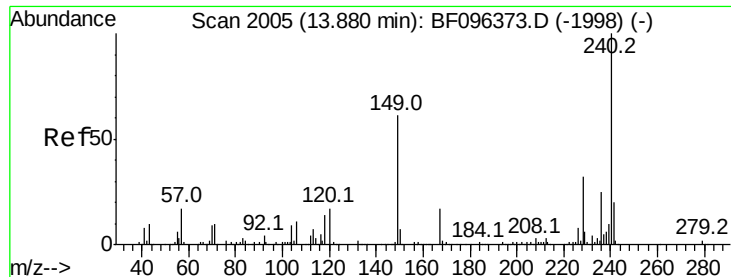
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.55

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

Instrument :

BNA_F

ClientSampleId :

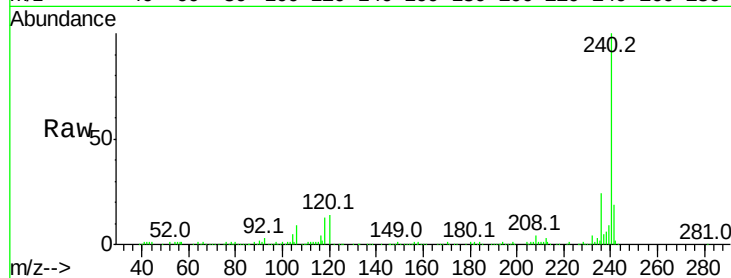
Tot Ion:240 Resp: 216218

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

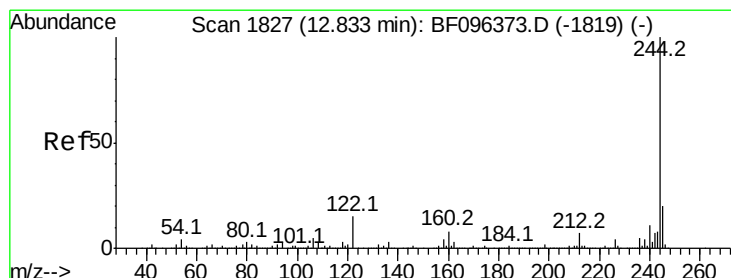
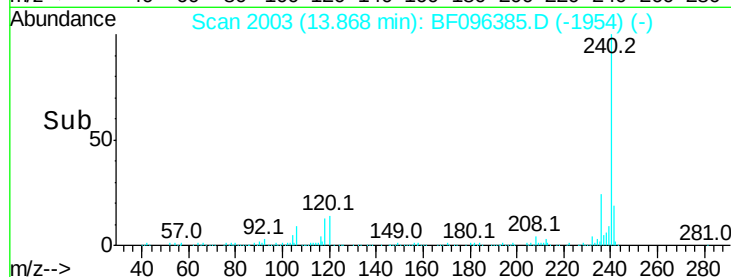
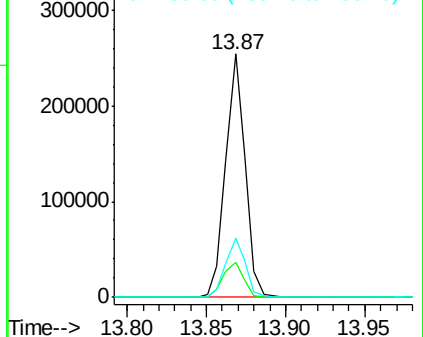
236 24.3 20.5 30.7



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: 49.93 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096385.D

Acq: 1 Jul 2017 18:11

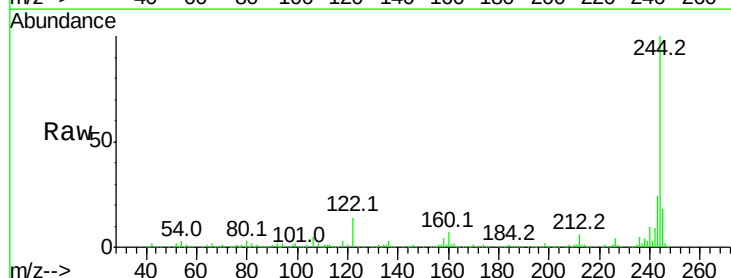
Tgt Ion:244 Resp: 505210

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

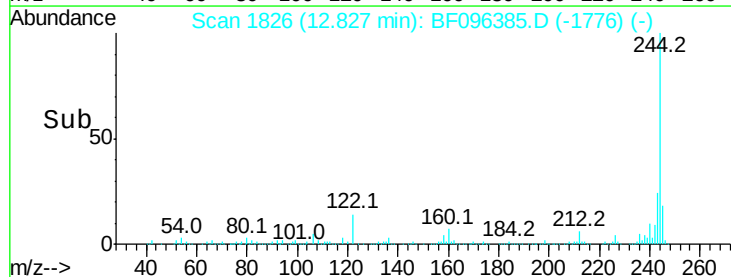
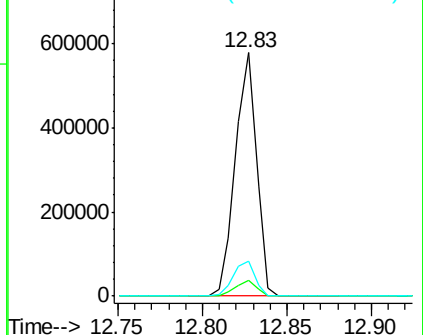
122 14.4 10.3 15.5

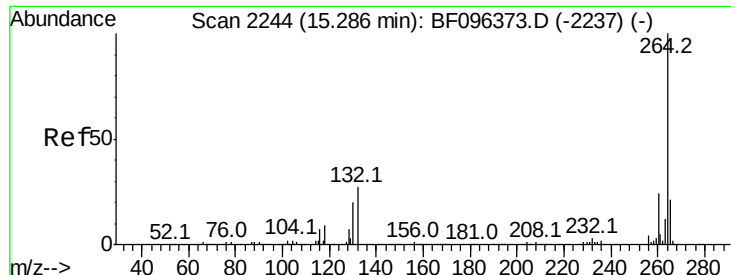


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

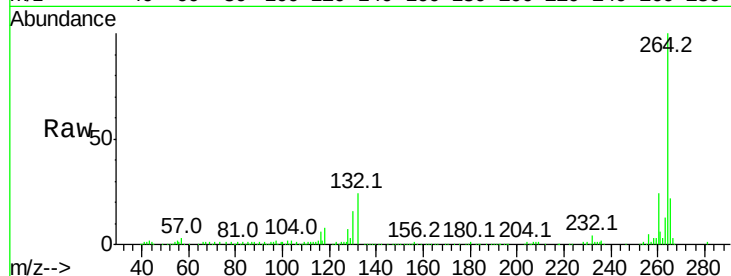




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096385.D
Acq: 1 Jul 2017 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.6	17.2	25.8



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

