

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096899.D
 Acq On : 20 Jul 2017 10:34
 Operator : SJ/JU
 Sample : I4234-03RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 15:27:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

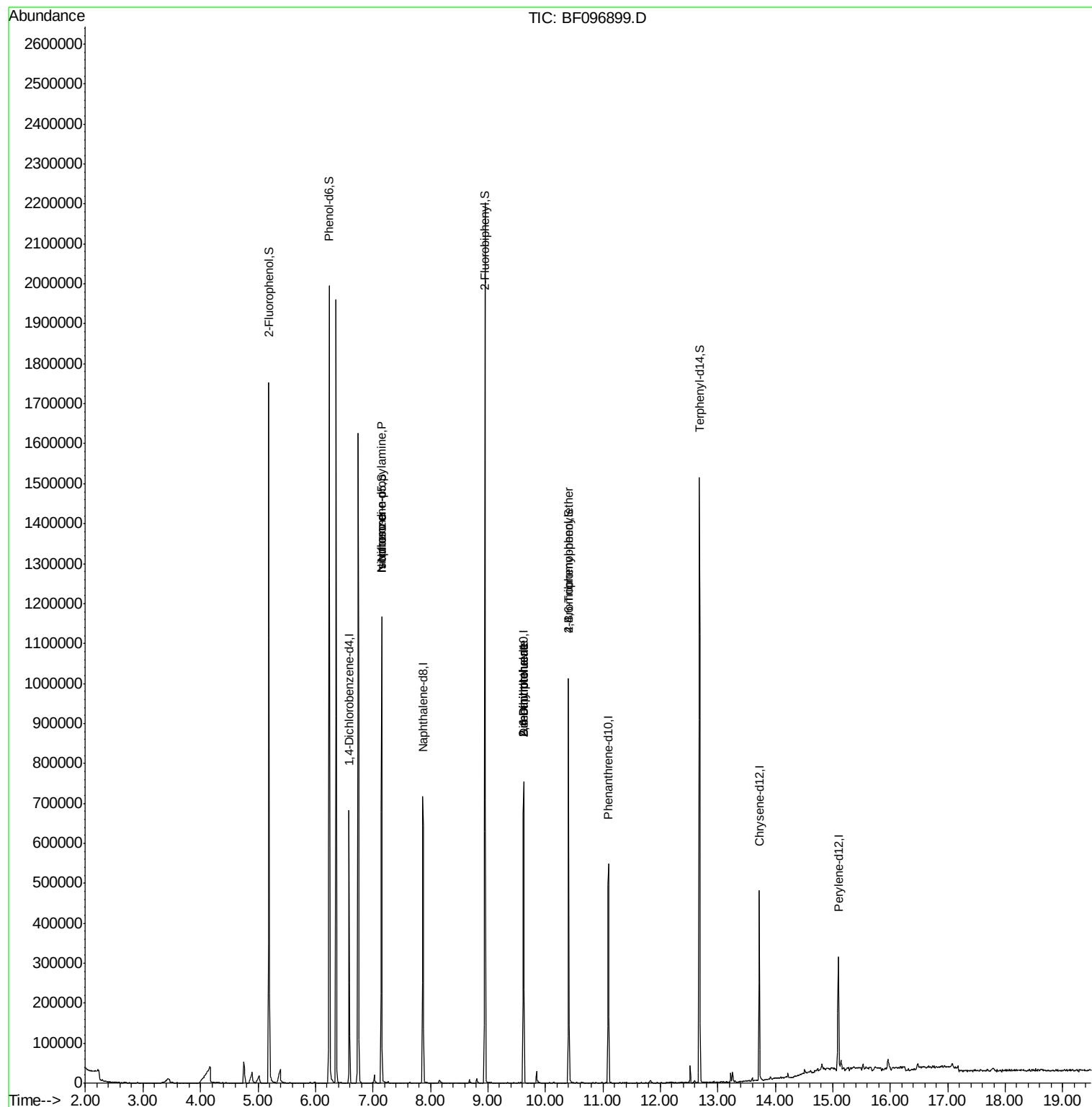
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	95465	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	330419	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	148144	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	198226	20.00	ng	0.00
75) Chrysene-d12	13.72	240	156380	20.00	ng	-0.01
86) Perylene-d12	15.10	264	115099	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	490617	77.27	ng	0.00
7) Phenol-d6	6.24	99	653674	85.79	ng	-0.01
23) Nitrobenzene-d5	7.15	82	346648	64.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	106808	84.46	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	665730	71.00	ng	-0.01
78) Terphenyl-d14	12.68	244	461766	51.21	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.15	70	46067	10.036	ng	# 88
25) Isophorone	7.15	82	346644	34.932	ng	# 67
49) Dimethylphthalate	9.62	163	44377	3.978	ng	# 1
50) 2,6-Dinitrotoluene	9.62	165	18225	7.543	ng	# 33
56) 2,4-Dinitrotoluene	9.62	165	18225	5.870	ng	# 32
66) 4-Bromophenyl-phenylether	10.40	248	7094	3.505	ng	# 1

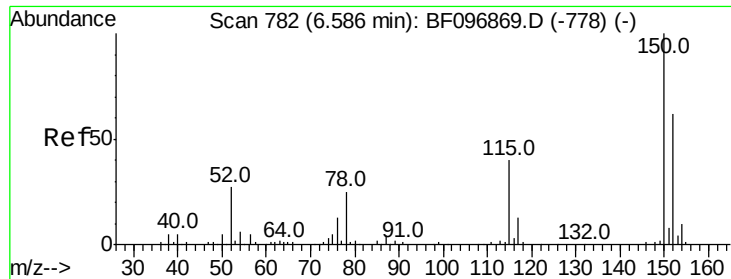
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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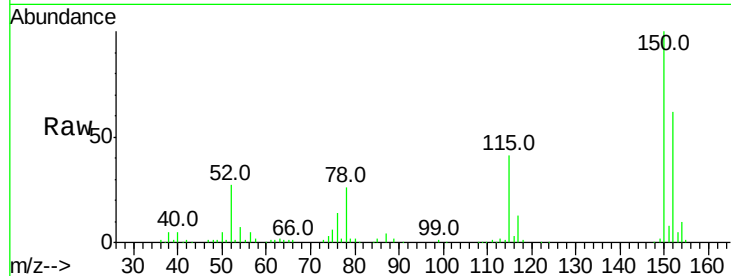


#1

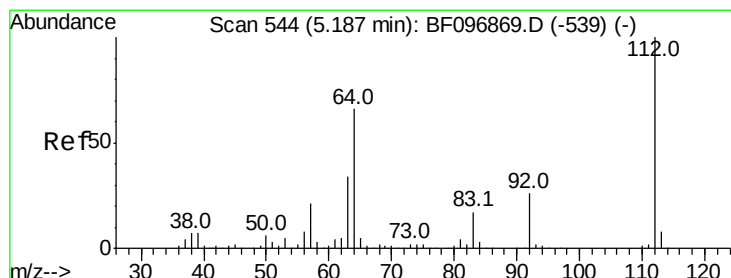
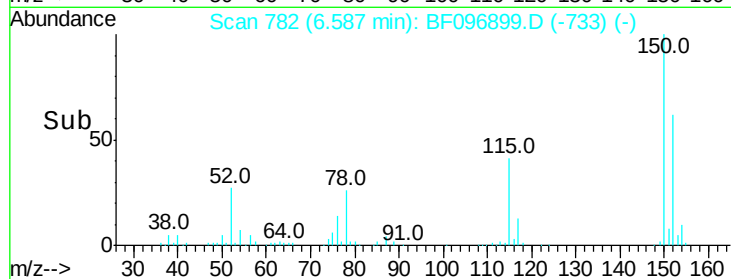
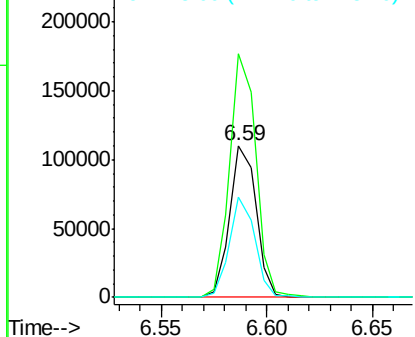
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096899.D
Acq: 20 Jul 2017 10:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95465
Ion Ratio Lower Upper
152 100
150 160.5 126.2 189.2
115 66.3 52.2 78.2



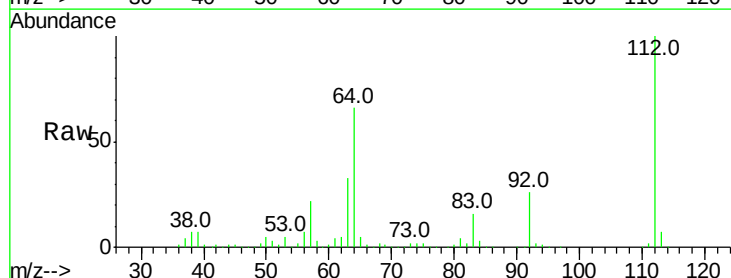
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



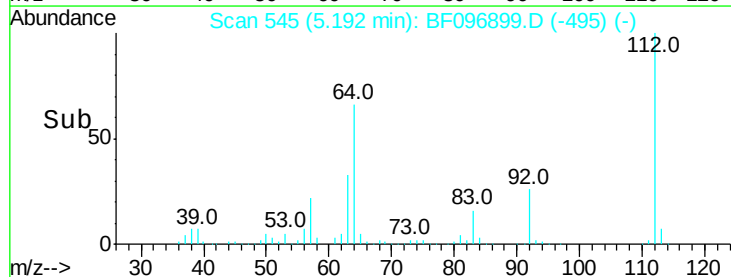
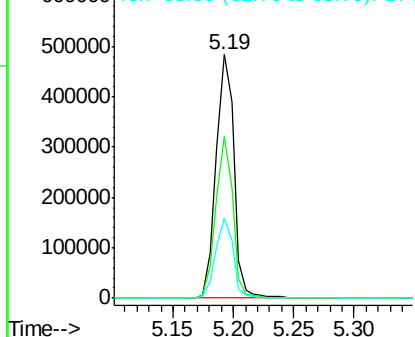
#5

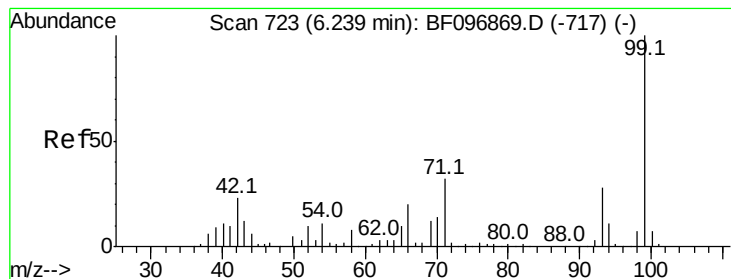
2-Fluorophenol
Concen: 77.273 ng
RT: 5.19 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF096899.D
Acq: 20 Jul 2017 10:34

Tgt Ion:112 Resp: 490617
Ion Ratio Lower Upper
112 100
64 66.2 46.0 69.0
63 32.9 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: 85.793 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

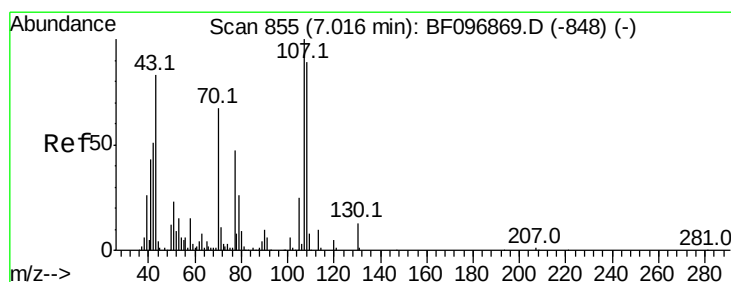
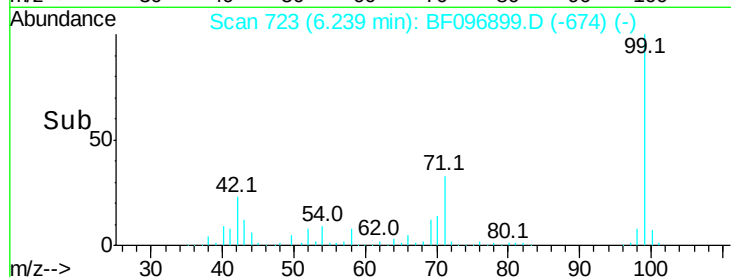
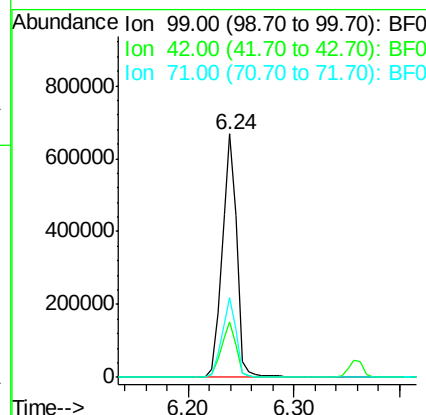
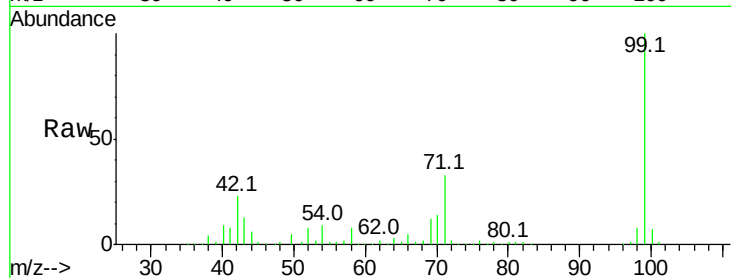
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 653674

Ion	Ratio	Lower	Upper
99	100		
42	22.8	13.5	20.3#
71	32.8	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.036 ng

RT: 7.15 min Scan# 878

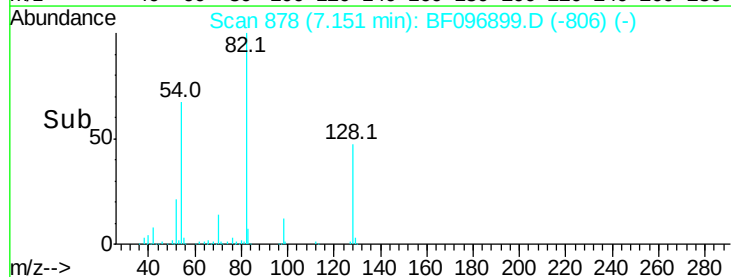
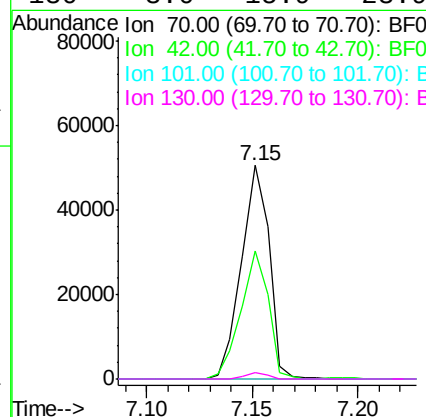
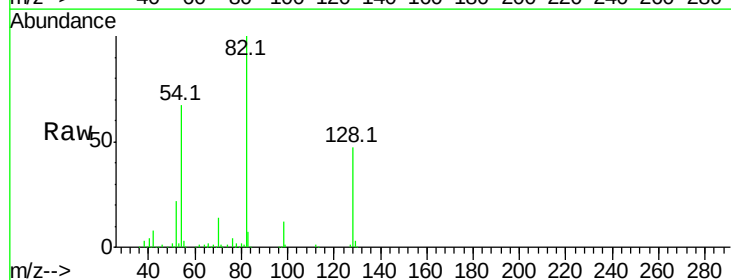
Delta R.T. 0.12 min

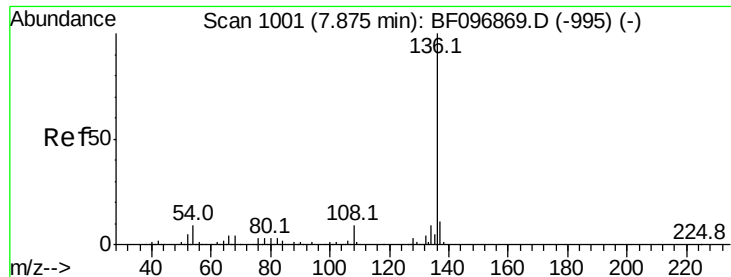
Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

Tgt Ion: 70 Resp: 46067

Ion	Ratio	Lower	Upper
70	100		
42	59.7	47.2	70.8
101	0.0	7.2	10.8#
130	3.0	15.9	23.9#

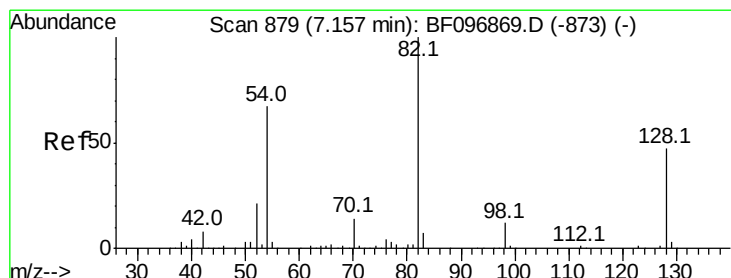
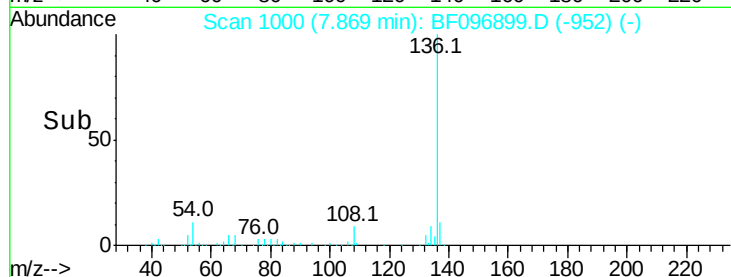
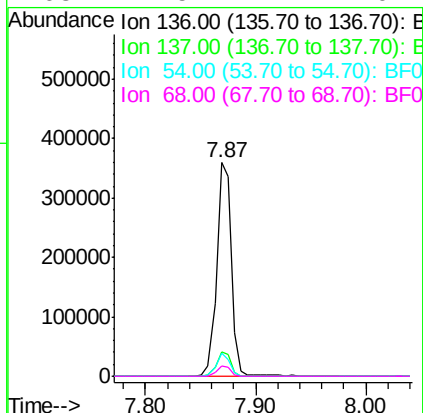
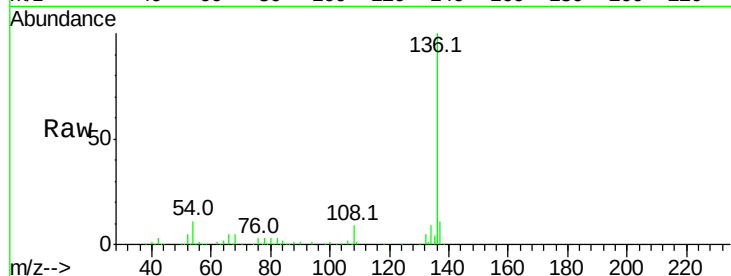




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096899.D
Acq: 20 Jul 2017 10:34

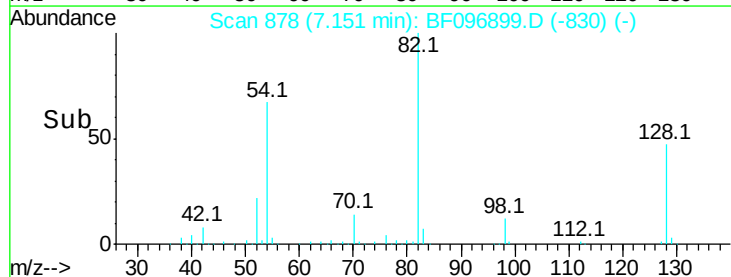
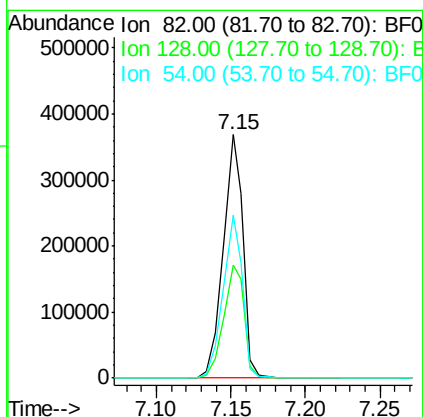
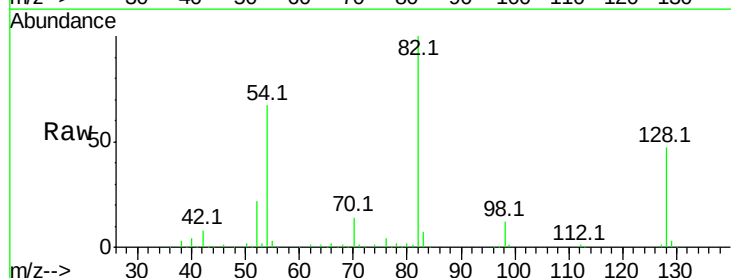
Instrument :
BNA_F
ClientSampleId :

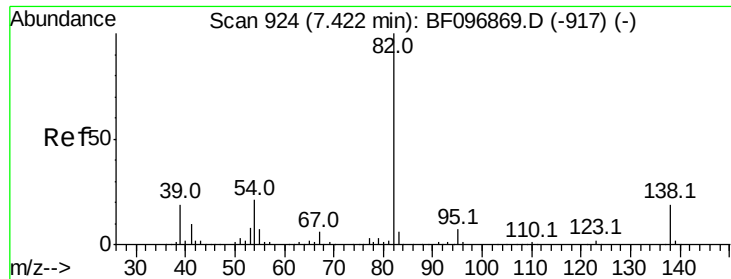
Tot Ion:	136	Resp:	330419
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.6	4.9	7.3#
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 64.983 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096899.D
Acq: 20 Jul 2017 10:34

Tgt Ion:	82	Resp:	346648
Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.0	51.0
54	66.7	42.2	63.2#





#25

Isophorone

Concen: 34.932 ng

RT: 7.15 min Scan# 878

Delta R.T. -0.28 min

Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

Instrument :

BNA_F

ClientSampled :

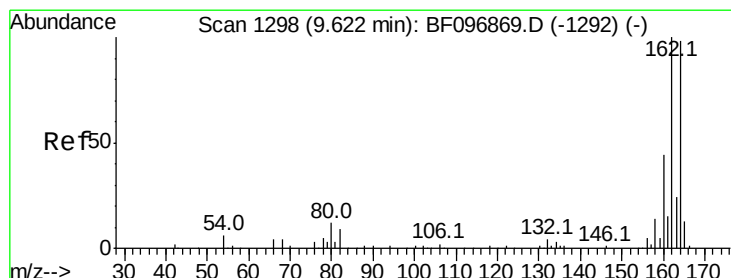
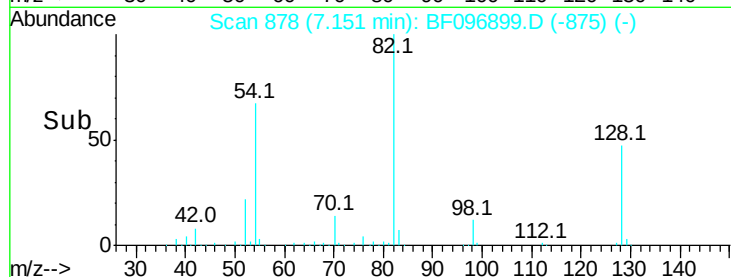
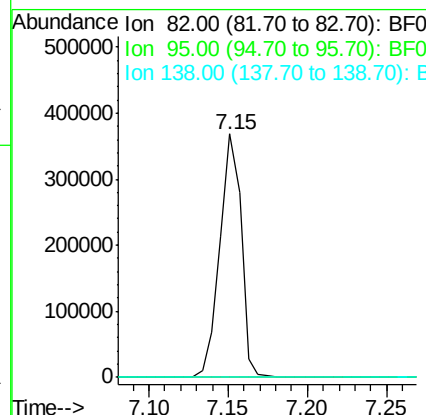
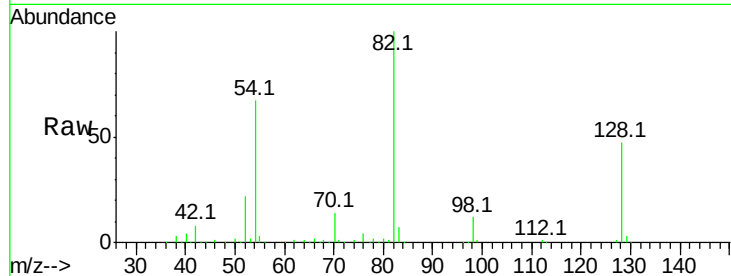
Tot Ion: 82 Resp: 346644

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

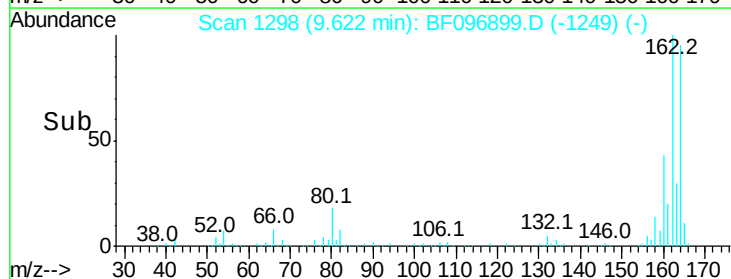
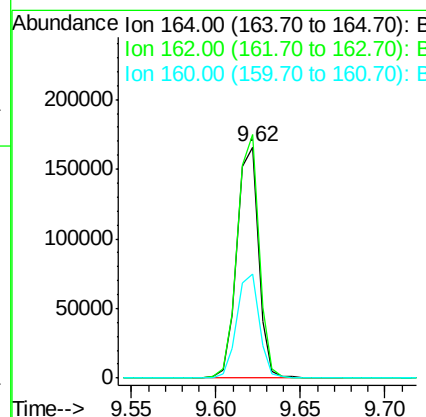
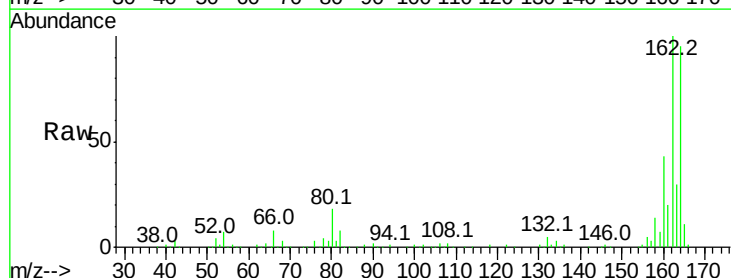
Tgt Ion: 164 Resp: 148144

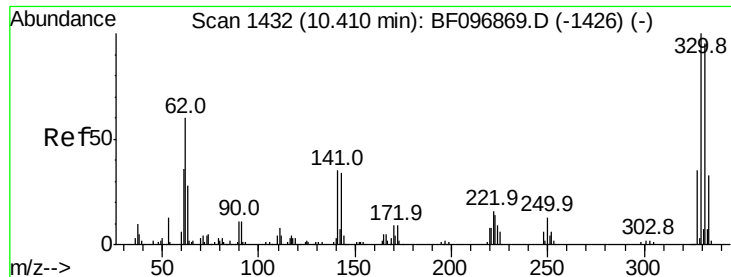
Ion Ratio Lower Upper

164 100

162 105.3 82.6 123.8

160 45.2 36.2 54.2

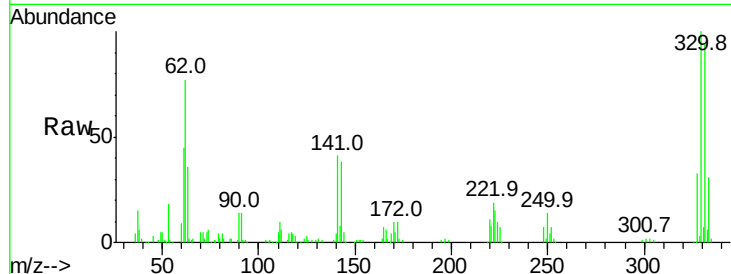




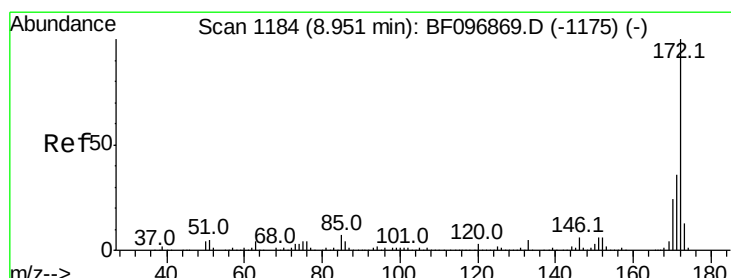
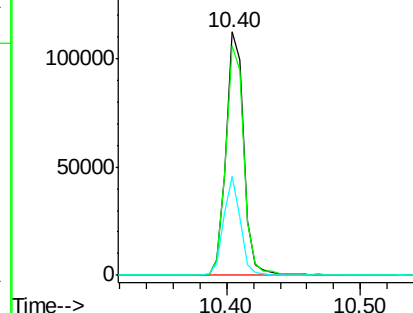
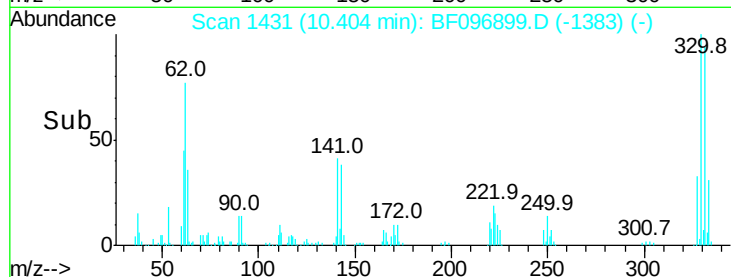
#41
 2,4,6-Tribromophenol
 Concen: 84.464 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096899.D
 Acq: 20 Jul 2017 10:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	38.4	31.4	47.2

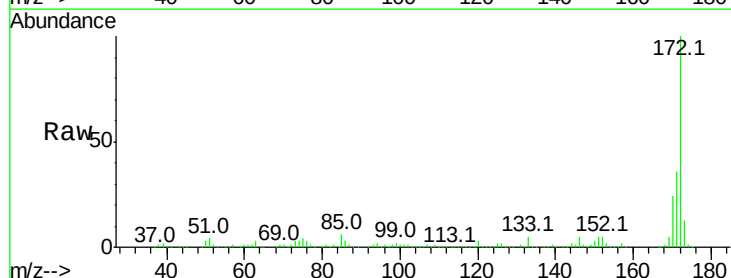


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

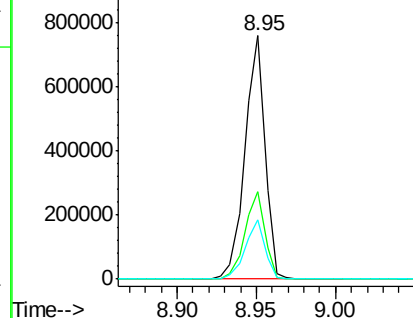
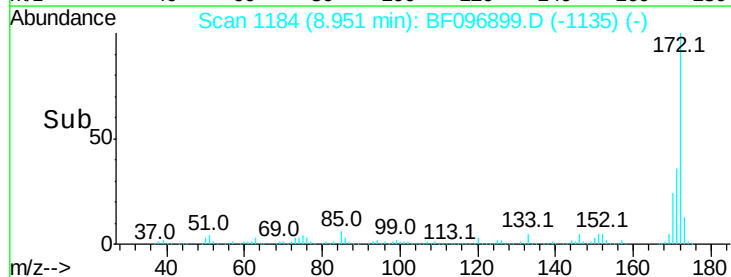


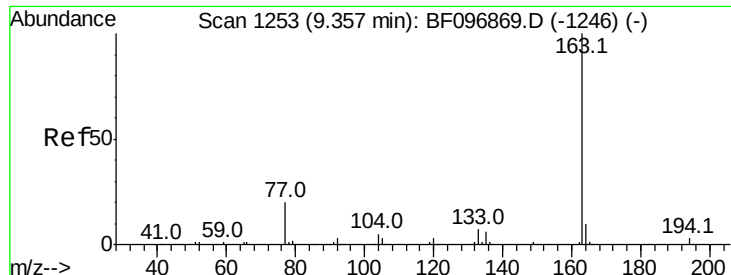
#44
 2-Fluorobiphenyl
 Concen: 70.999 ng
 RT: 8.95 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF096899.D
 Acq: 20 Jul 2017 10:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.3	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: 3.978 ng

RT: 9.62 min Scan# 1298

Delta R.T. 0.25 min

Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

Instrument :

BNA_F

ClientSampleId :

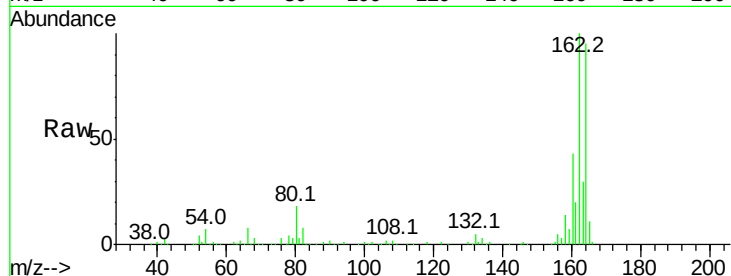
Tot Ion:163 Resp: 44377

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

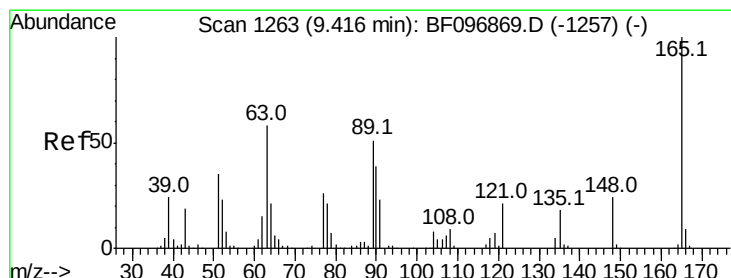
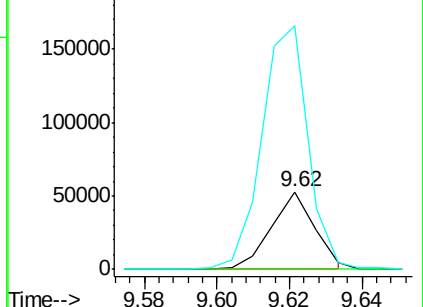
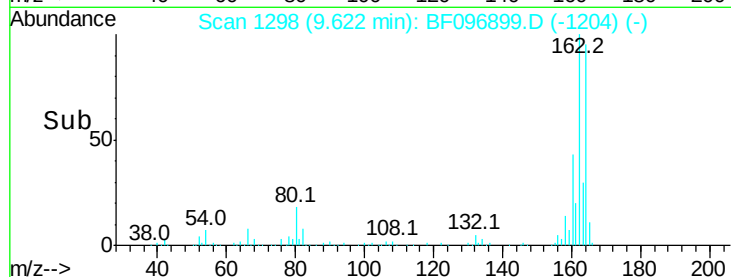
164 315.5 8.4 12.6#



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



#50

2,6-Dinitrotoluene

Concen: 7.543 ng

RT: 9.62 min Scan# 1298

Delta R.T. 0.19 min

Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

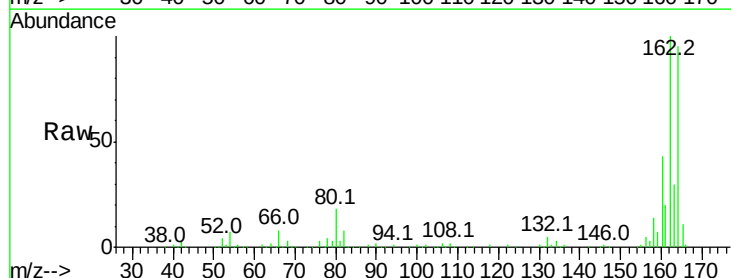
Tgt Ion:165 Resp: 18225

Ion Ratio Lower Upper

165 100

63 2.0 34.3 51.5#

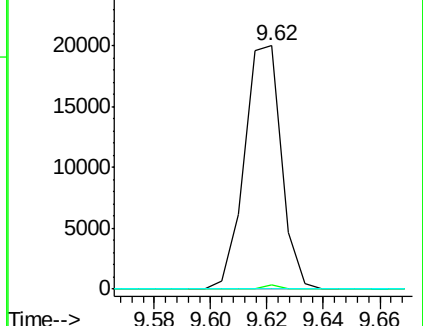
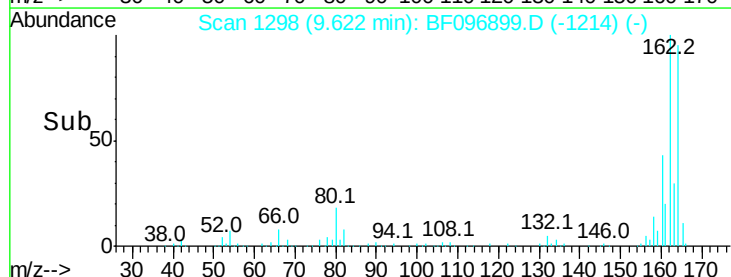
89 0.0 37.1 55.7#

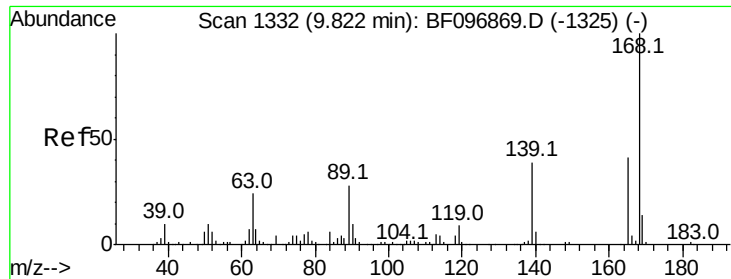


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

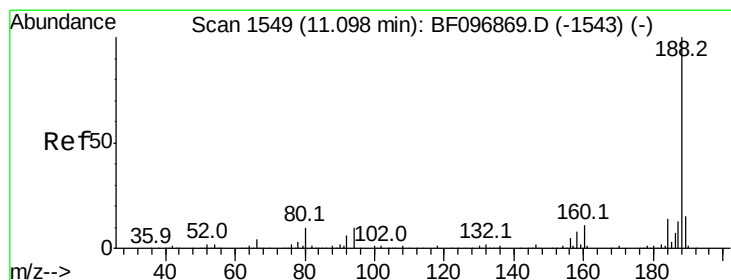
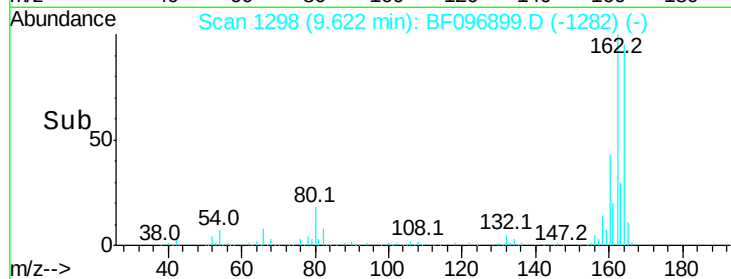
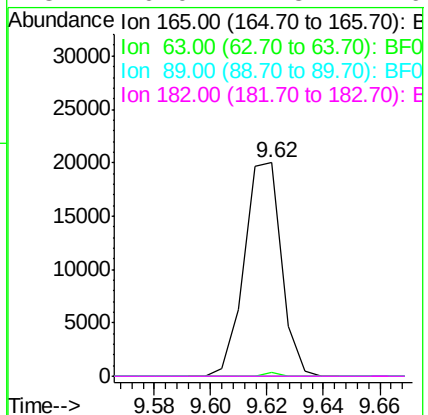
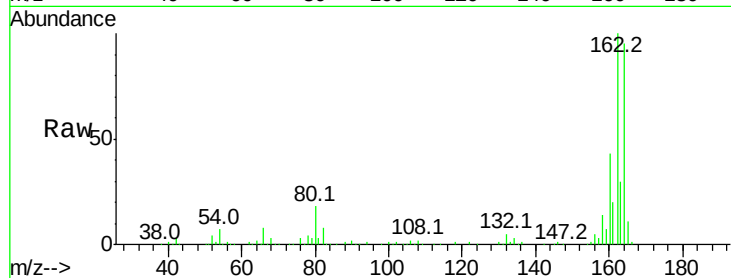




#56
 2,4-Dinitrotoluene
 Concen: 5.870 ng
 RT: 9.62 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF096899.D
 Acq: 20 Jul 2017 10:34

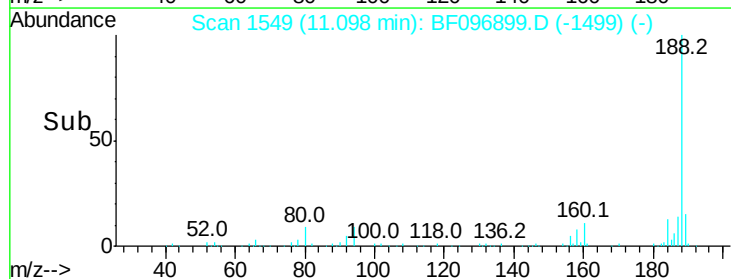
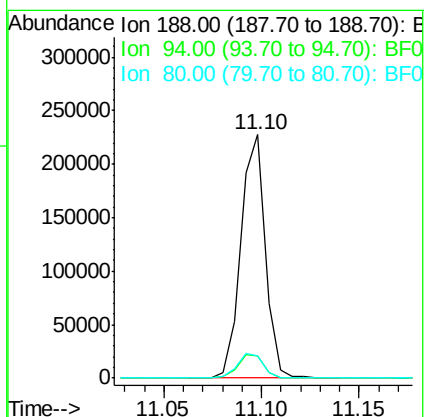
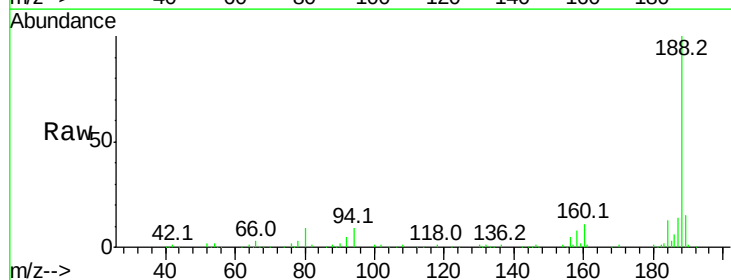
Instrument :
 BNA_F
 ClientSampleId :

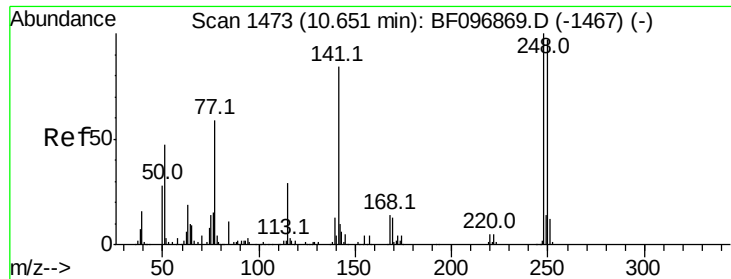
Tot Ion:	165	Resp:	18225
Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096899.D
 Acq: 20 Jul 2017 10:34

Tgt Ion:	188	Resp:	198226
Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.4	14.2#
80	9.1	10.2	15.2#

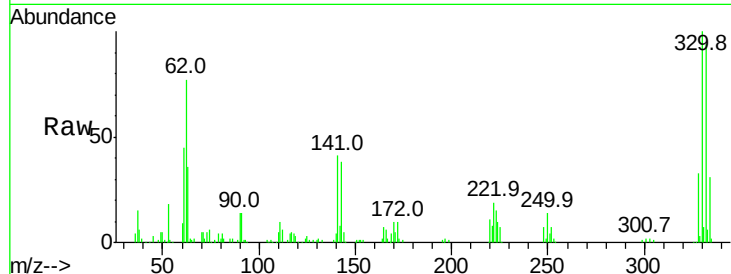




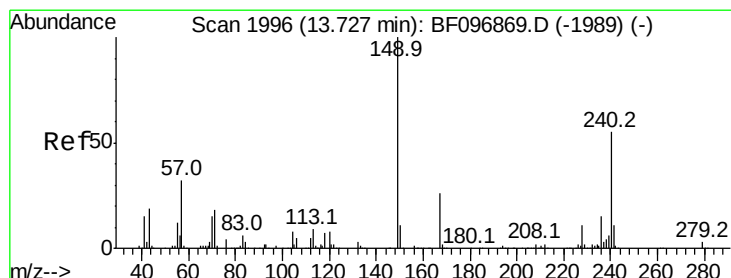
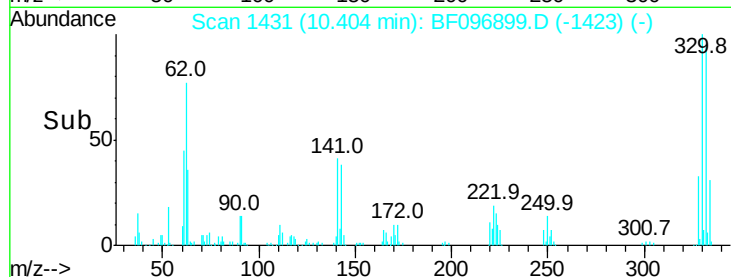
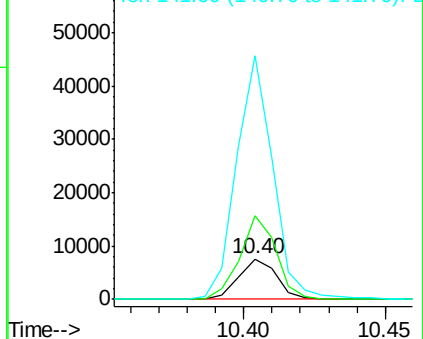
#66
4-Bromophenyl-phenylether
Concen: 3.505 ng
RT: 10.40 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF096899.D
Acq: 20 Jul 2017 10:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7094
Ion Ratio Lower Upper
248 100
250 206.6 76.8 115.2#
141 601.4 68.6 103.0#

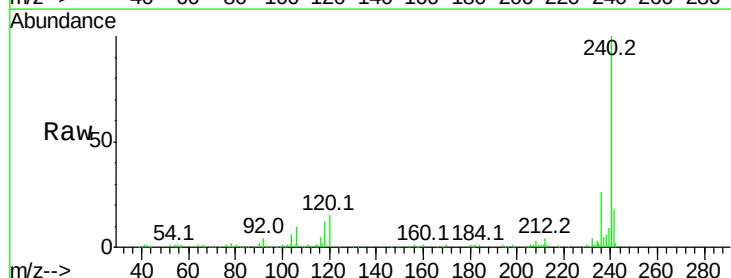


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

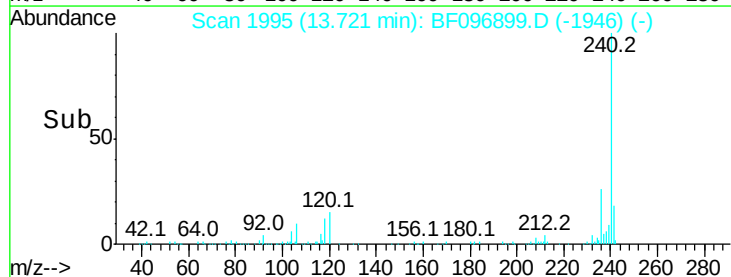
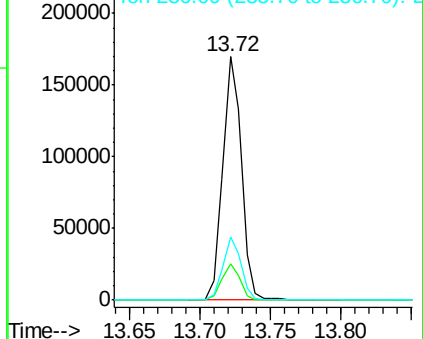


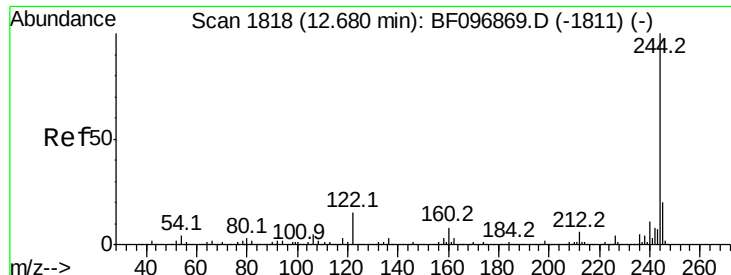
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF096899.D
Acq: 20 Jul 2017 10:34

Tgt Ion:240 Resp: 156380
Ion Ratio Lower Upper
240 100
120 15.1 5.8 8.8#
236 26.0 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: 51.210 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

Instrument :

BNA_F

ClientSampleId :

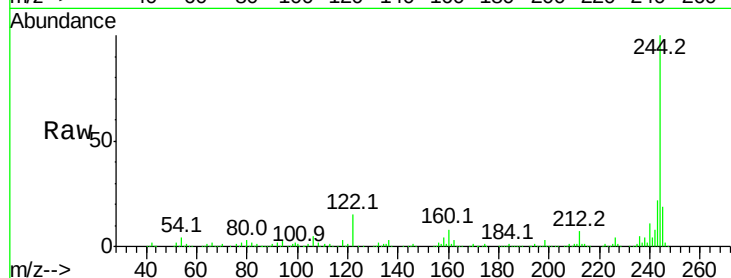
Tot Ion:244 Resp: 461766

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

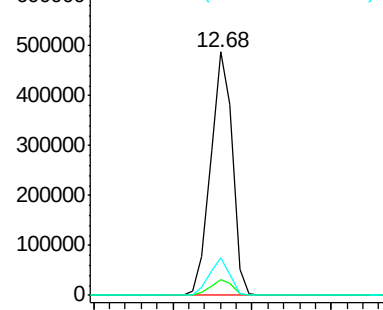
122 15.4 10.3 15.5



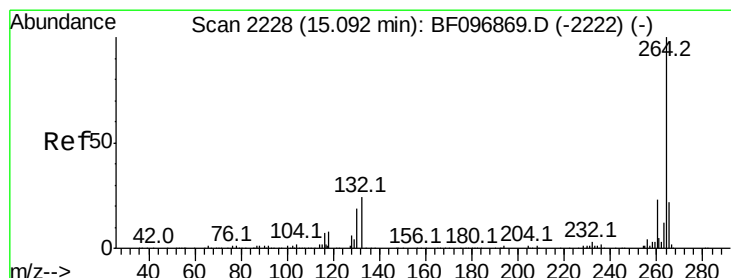
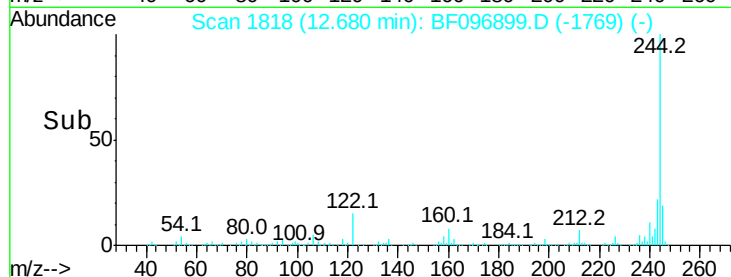
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.60 12.65 12.70 12.75



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF096899.D

Acq: 20 Jul 2017 10:34

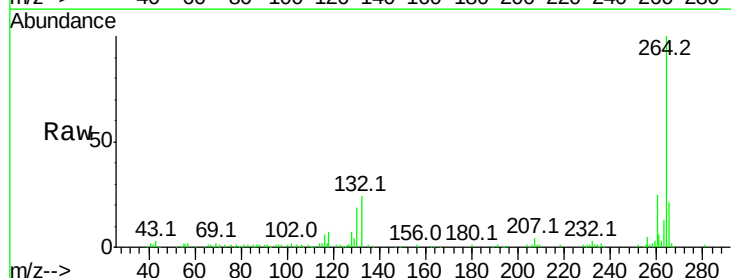
Tgt Ion:264 Resp: 115099

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

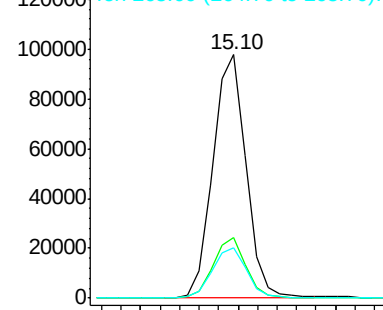
265 20.6 17.2 25.8



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



Time--> 15.05 15.10 15.15

