

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
 Data File : BF109389.D
 Acq On : 27 Sep 2018 16:12
 Operator : JU/SJ
 Sample : J5066-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 17:55:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	119360	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	469992	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	229479	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	436348	20.00	ng	0.00
75) Chrysene-d12	13.84	240	271603	20.00	ng	0.00
86) Perylene-d12	15.24	264	287658	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	525850	72.56	ng	0.00
7) Phenol-d6	6.35	99	678056	73.33	ng	-0.01
23) Nitrobenzene-d5	7.26	82	438146	55.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	169984	75.14	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	797870	52.44	ng	-0.01
78) Terphenyl-d14	12.80	244	695256	62.82	ng	0.00

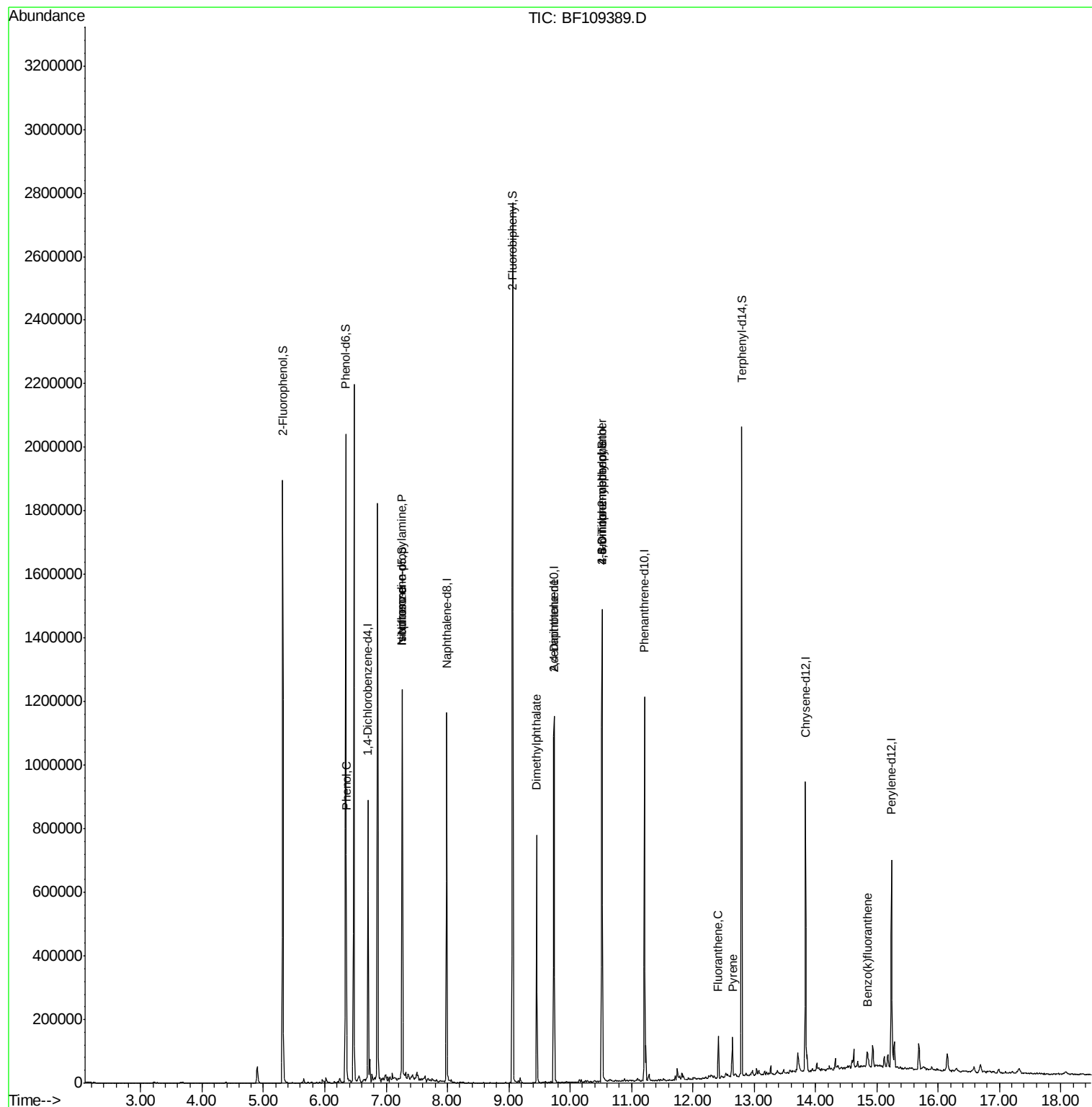
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	27916	2.666	ng	97
19) n-Nitroso-di-n-propylamine	7.26	70	63398	10.463	ng	# 78
25) Isophorone	7.26	82	407936	28.453	ng	# 64
49) Dimethylphthalate	9.46	163	276784	16.583	ng	99
56) 2,4-Dinitrotoluene	9.73	165	29205	6.982	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	274	6.655	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10170	2.099	ng	# 1
74) Fluoranthene	12.42	202	51516	2.213	ng	97
77) Pyrene	12.64	202	46781	2.403	ng	99
88) Benzo(k)fluoranthene	14.84	252	31397	2.093	ng	97

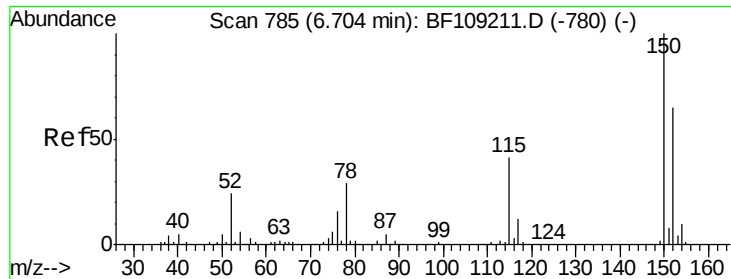
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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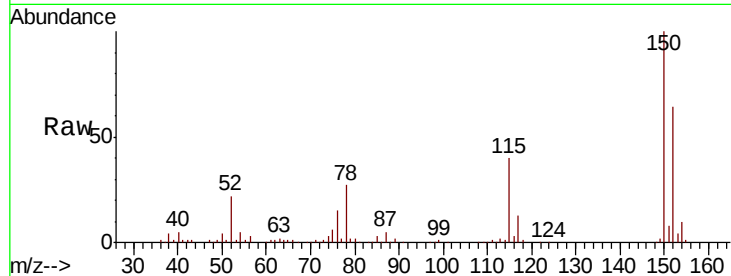


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109389.D
 Acq: 27 Sep 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	62.9	50.1	75.1

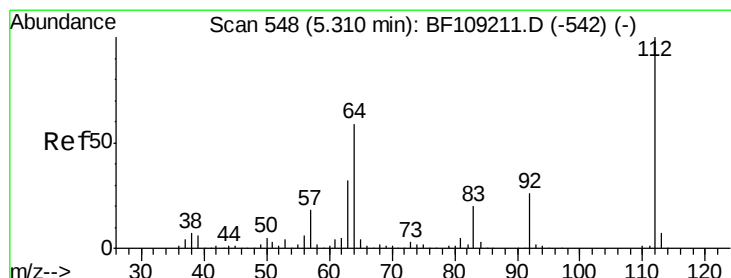
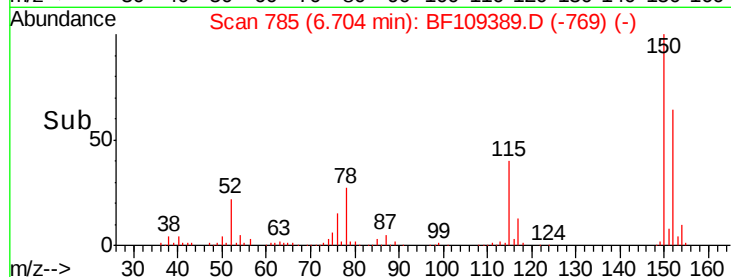
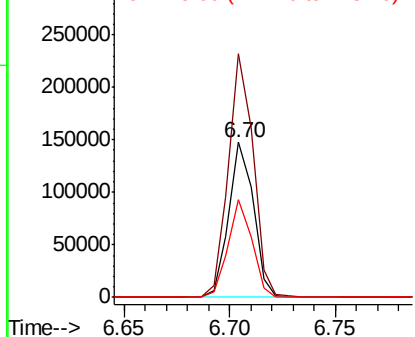


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

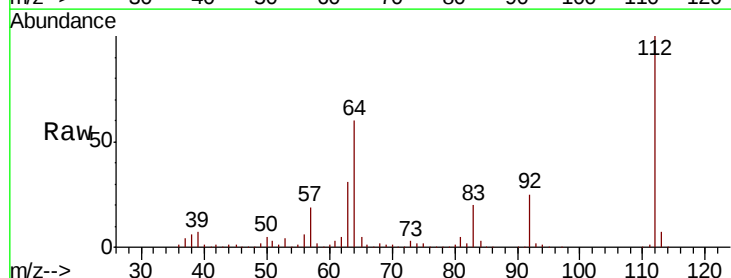
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 72.563 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109389.D
 Acq: 27 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	31.4	23.7	35.5

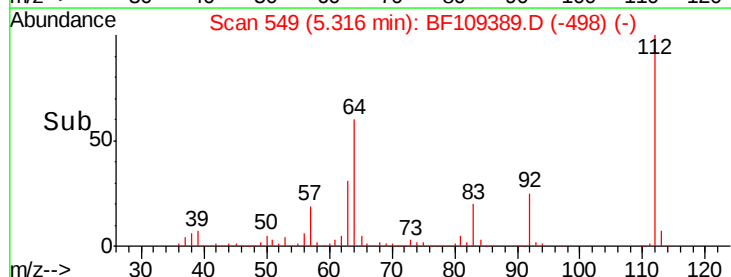
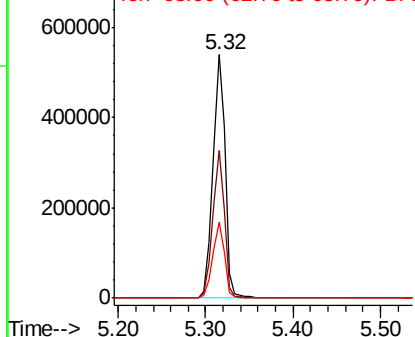


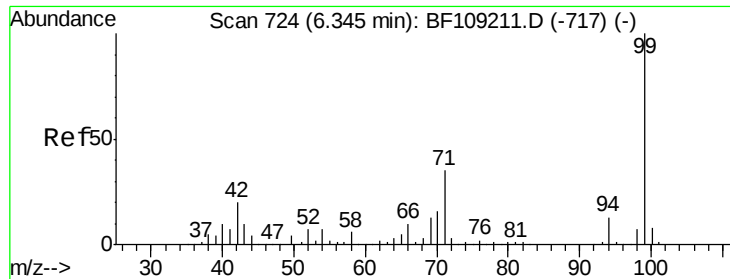
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 73.326 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109389.D

Acq: 27 Sep 2018 16:12

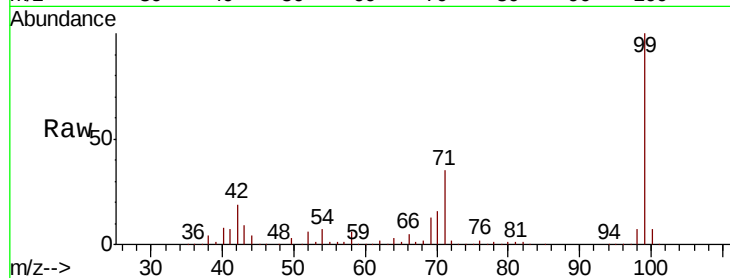
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 678056

Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	35.3	25.4	38.0

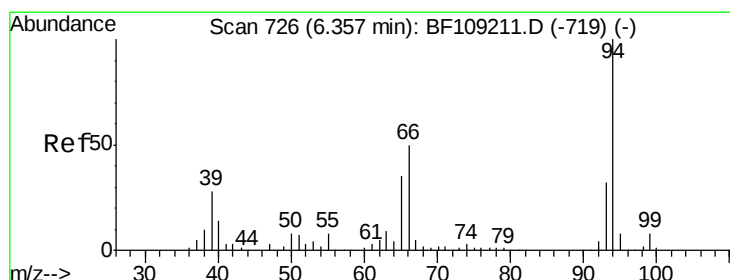
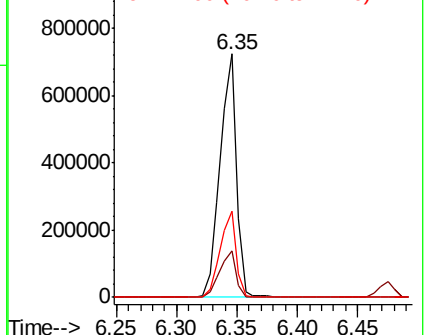
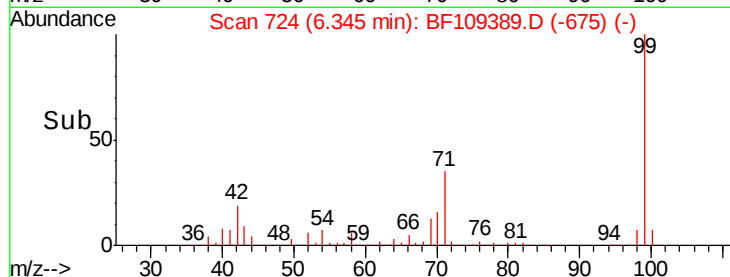


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.666 ng

RT: 6.36 min Scan# 726

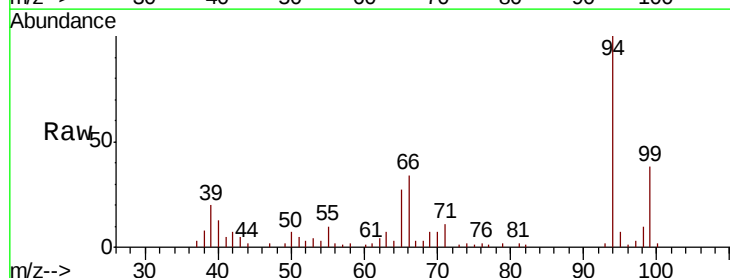
Delta R.T. -0.02 min

Lab File: BF109389.D

Acq: 27 Sep 2018 16:12

Tgt Ion: 94 Resp: 27916

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.9	47.9
66	34.3	16.2	56.2

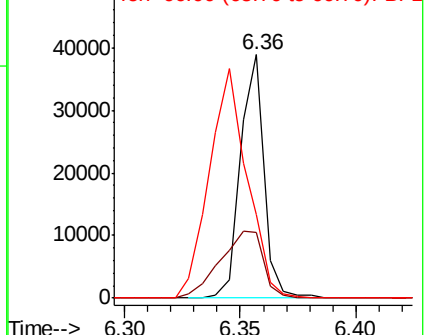
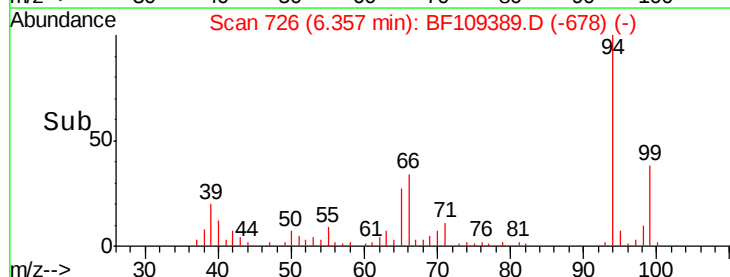


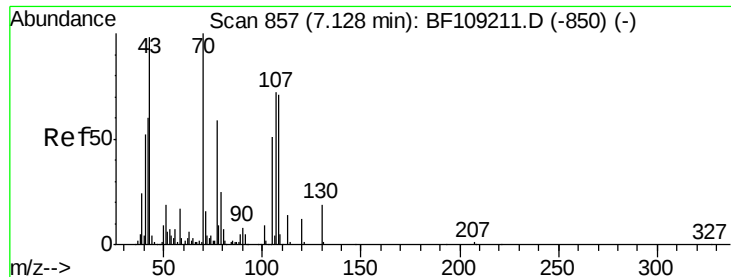
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

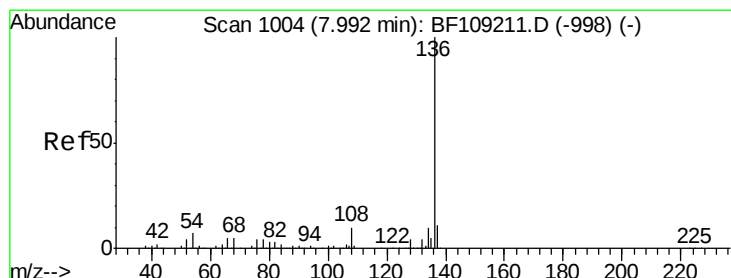
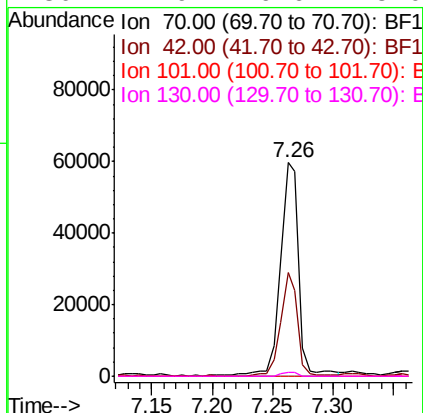
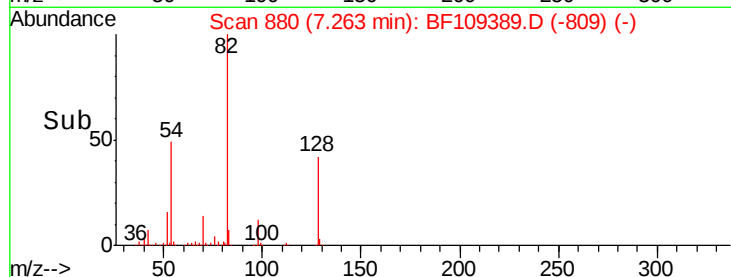
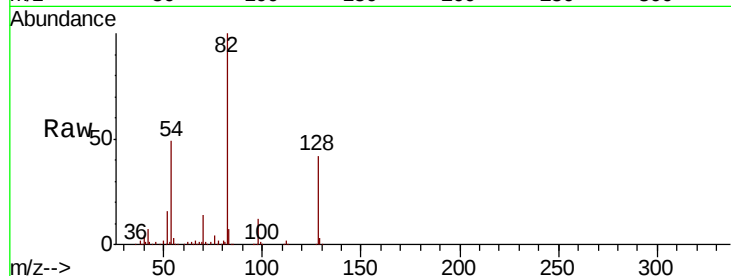




#19
n-Nitroso-di-n-propylamine
Concen: 10.463 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

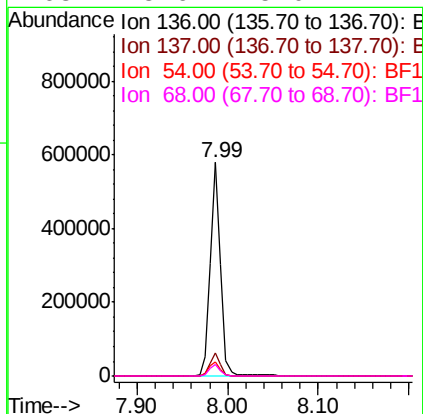
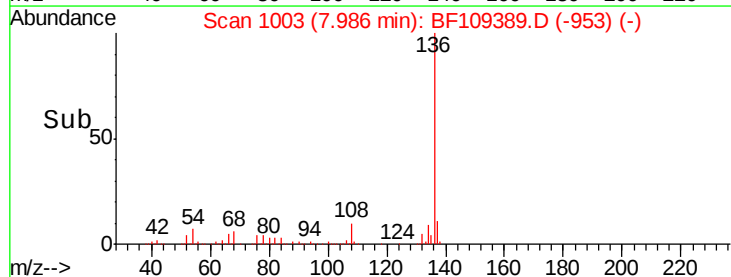
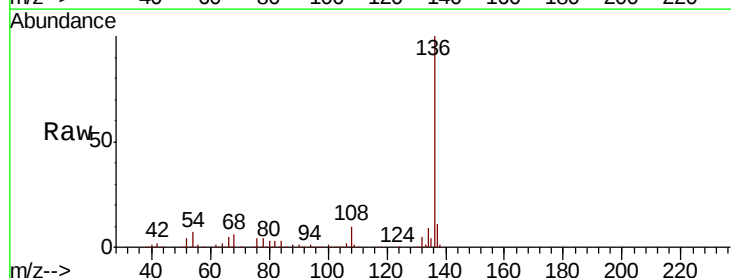
Instrument :
BNA_F
ClientSampleId :

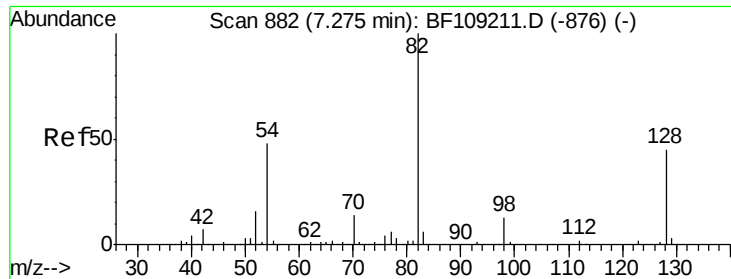
Tot Ion: 70 Resp: 63398
Ion Ratio Lower Upper
70 100
42 48.6 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Tgt Ion: 136 Resp: 469992
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.9 6.6 9.8
68 5.6 5.0 7.4

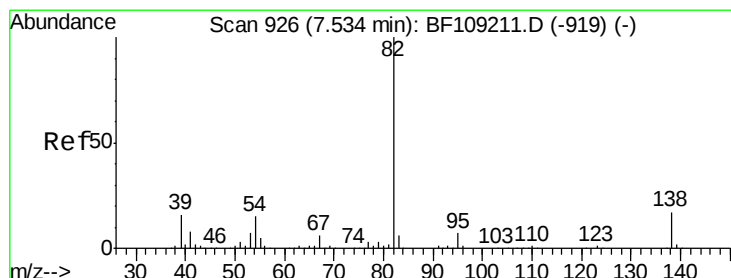
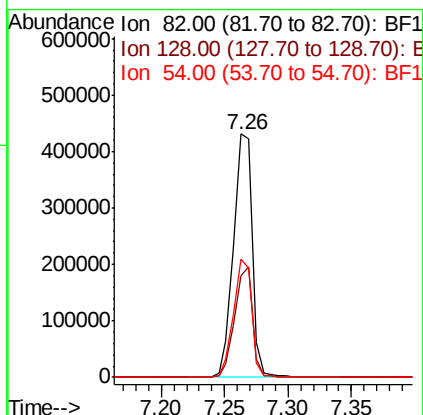
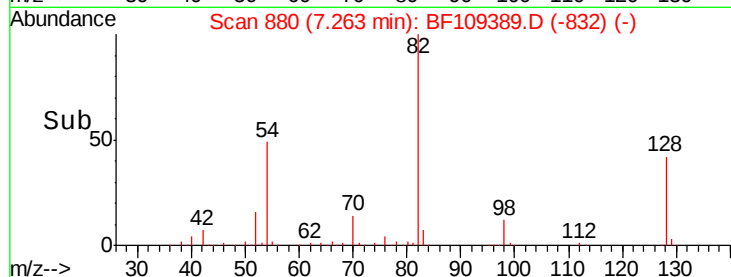
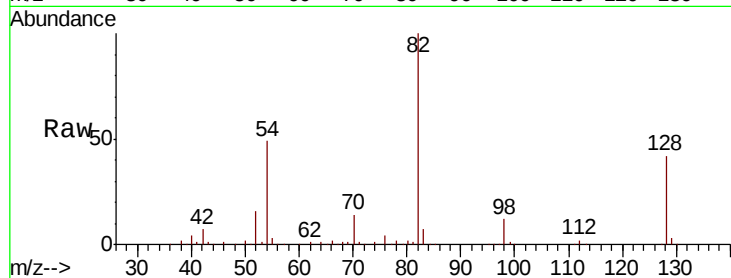




#23
Nitrobenzene-d5
Concen: 55.032 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

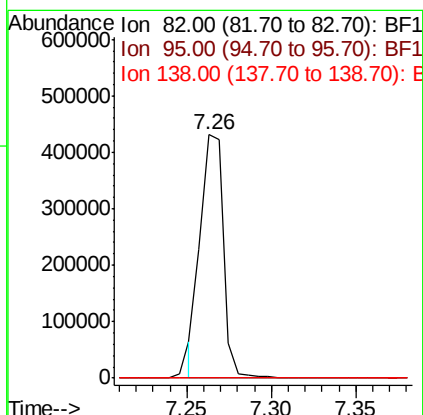
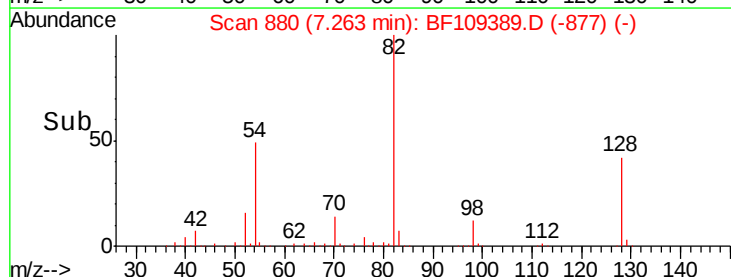
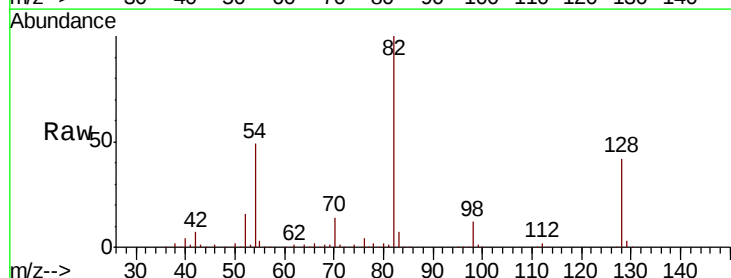
Instrument :
BNA_F
ClientSampled :

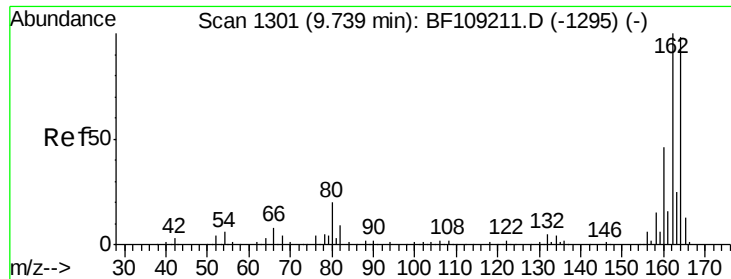
Tot Ion: 82 Resp: 438146
Ion Ratio Lower Upper
82 100
128 41.7 36.1 54.1
54 48.7 41.4 62.2



#25
Isophorone
Concen: 28.453 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Tgt Ion: 82 Resp: 407936
Ion Ratio Lower Upper
82 100
95 0.2 5.2 7.8#
138 0.0 14.9 22.3#

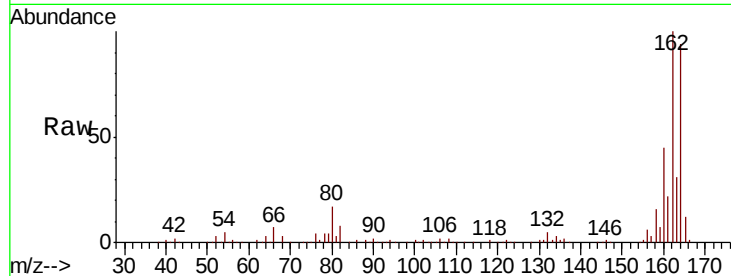




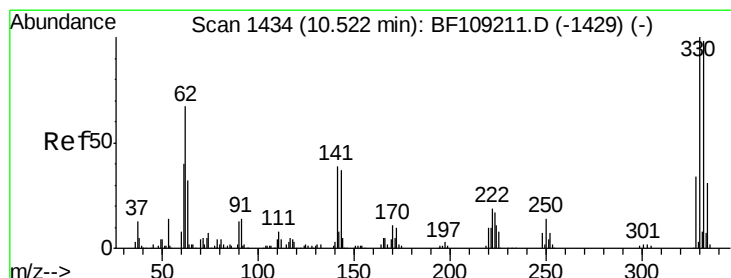
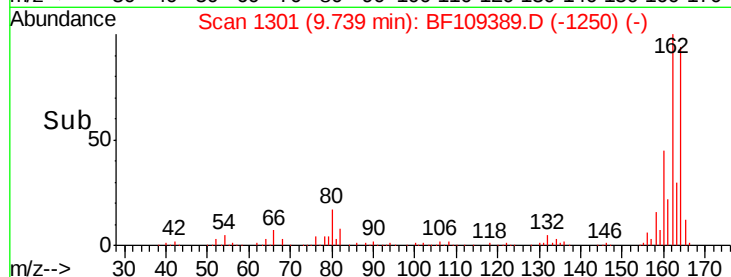
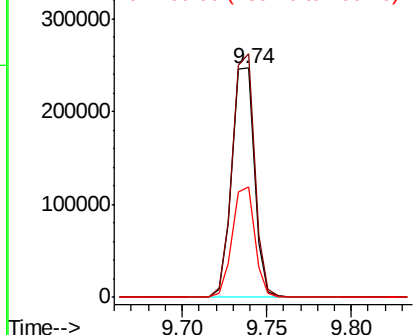
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109389.D
 Acq: 27 Sep 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 229479
 Ion Ratio Lower Upper
 164 100
 162 106.2 86.1 129.1
 160 48.2 38.3 57.5

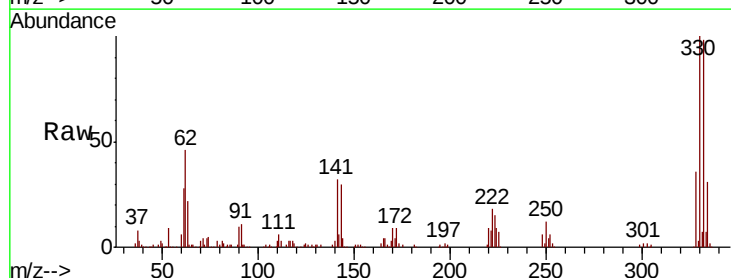


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

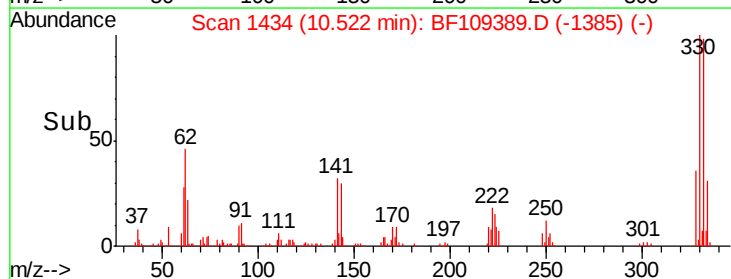
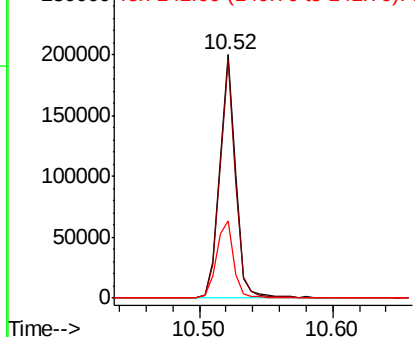


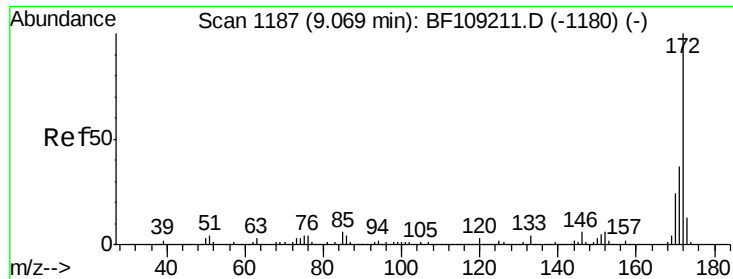
#41
 2,4,6-Tribromophenol
 Concen: 75.141 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109389.D
 Acq: 27 Sep 2018 16:12

Tgt Ion:330 Resp: 169984
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 33.9 29.9 44.9



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

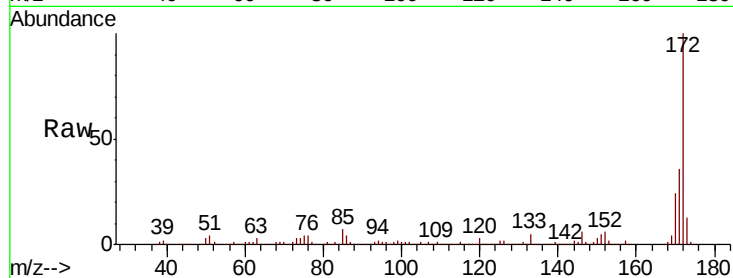




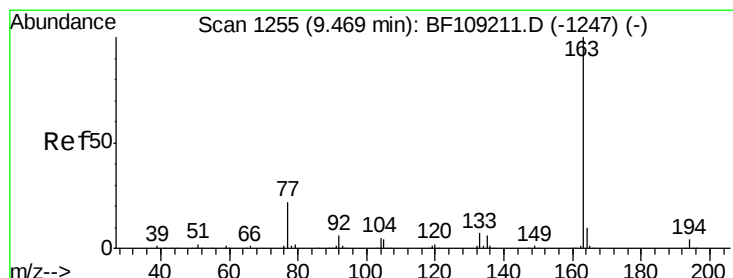
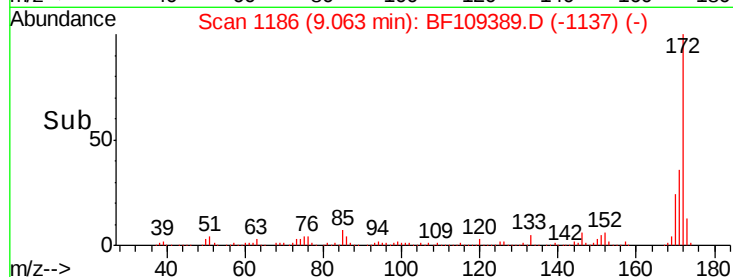
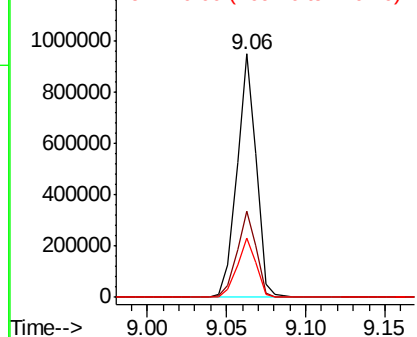
#44
2-Fluorobiphenyl
Concen: 52.438 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 797870
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 24.1 19.6 29.4

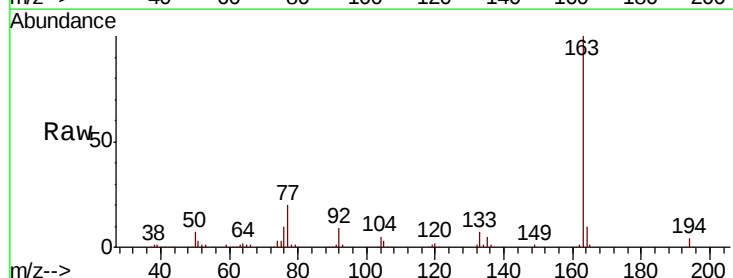


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

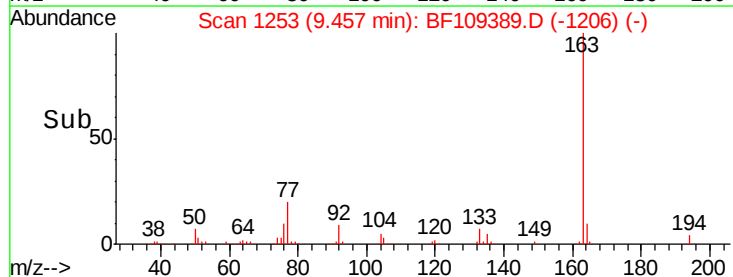
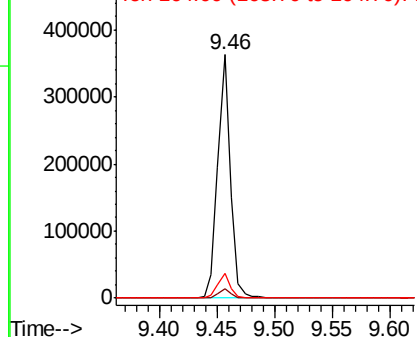


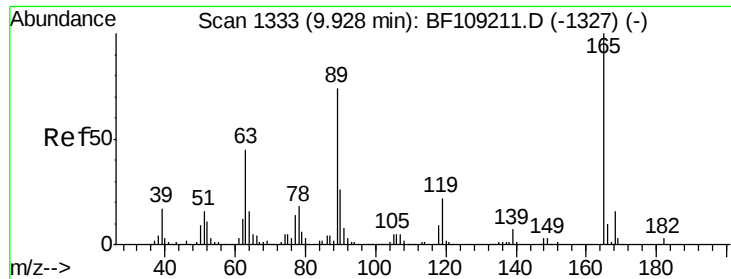
#49
Dimethylphthalate
Concen: 16.583 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Tgt Ion:163 Resp: 276784
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.9 8.2 12.2



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

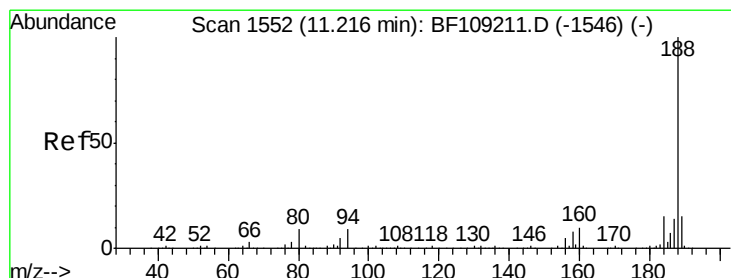
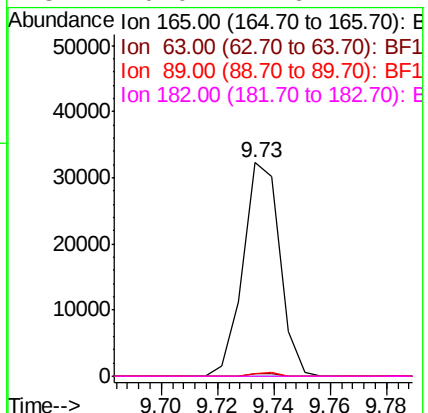
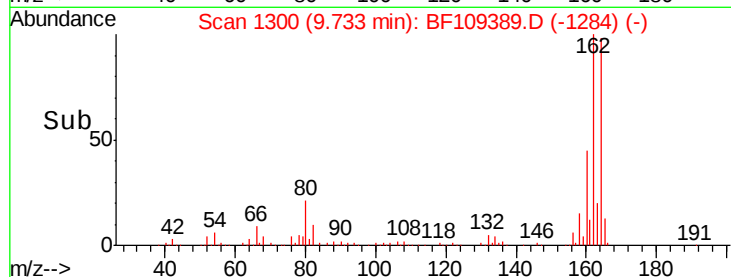
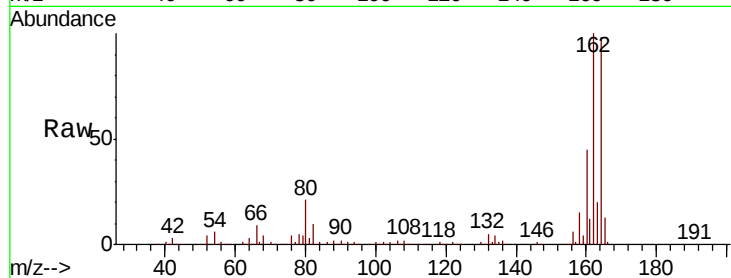




#56
 2,4-Dinitrotoluene
 Concen: 6.982 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109389.D
 Acq: 27 Sep 2018 16:12

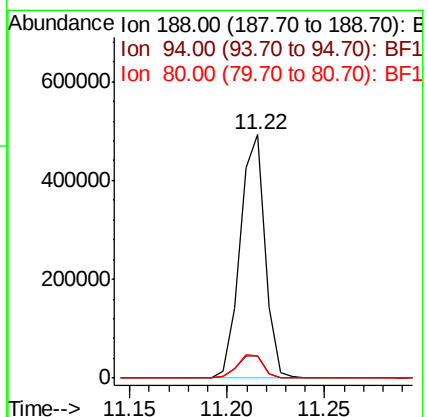
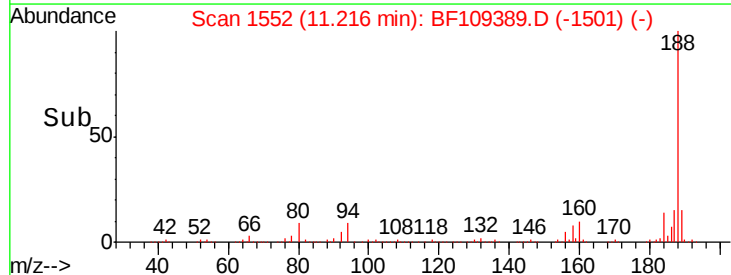
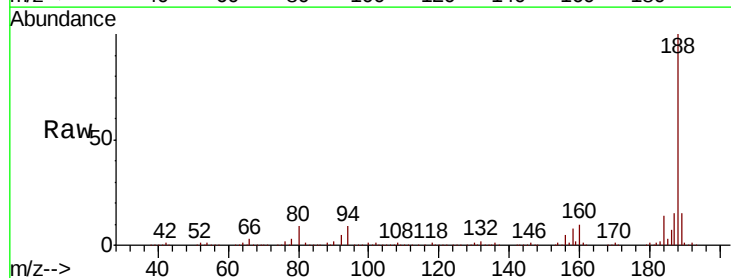
Instrument :
 BNA_F
 ClientSampled :

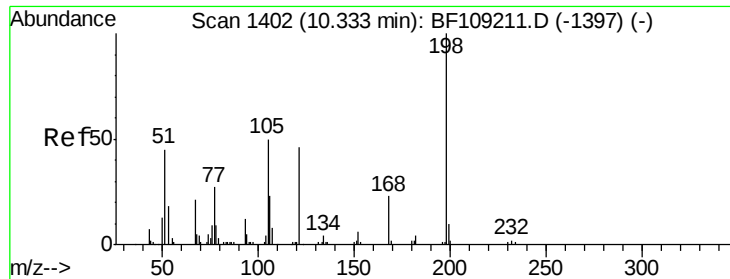
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109389.D
 Acq: 27 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.1	9.2	13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.655 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.18 min

Lab File: BF109389.D

Acq: 27 Sep 2018 16:12

Instrument :

BNA_F

ClientSampleId :

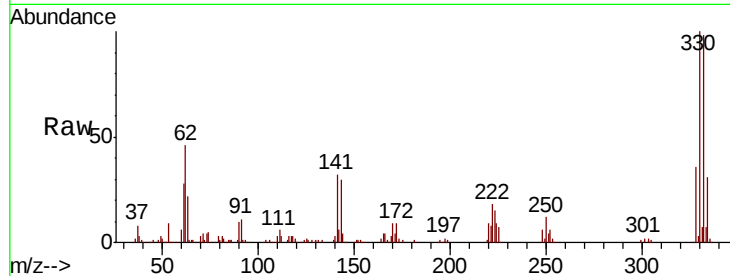
Tot Ion:198 Resp: 274

Ion Ratio Lower Upper

198 100

51 186.1 37.7 77.7#

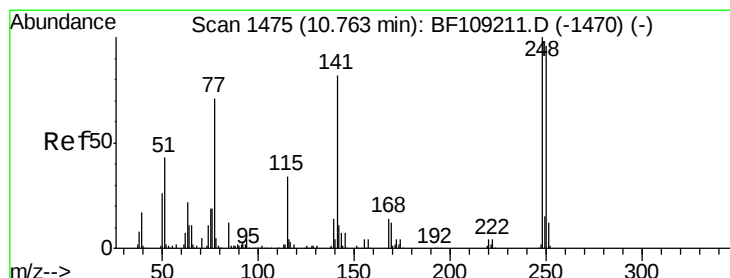
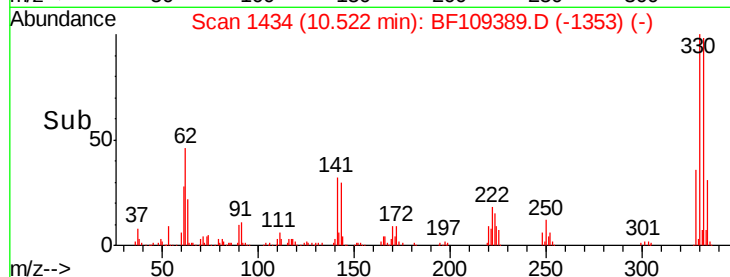
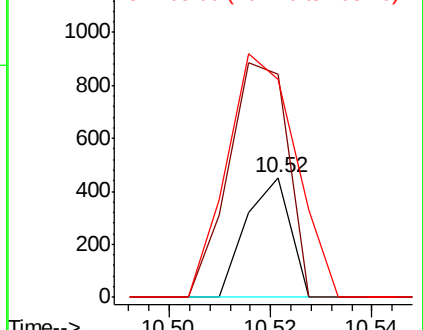
105 181.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.099 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.25 min

Lab File: BF109389.D

Acq: 27 Sep 2018 16:12

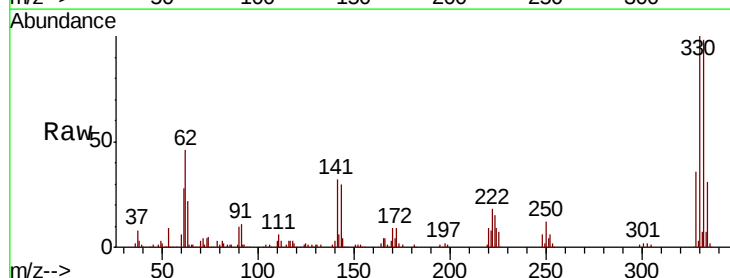
Tgt Ion:248 Resp: 10170

Ion Ratio Lower Upper

248 100

250 194.6 76.9 115.3#

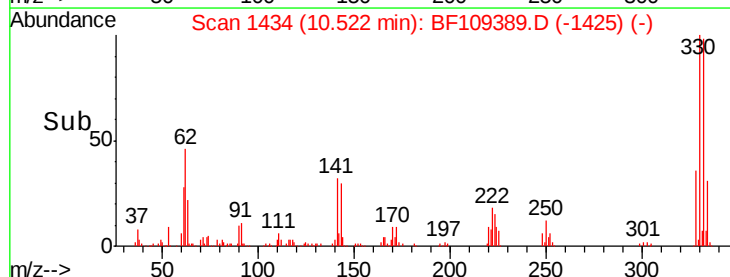
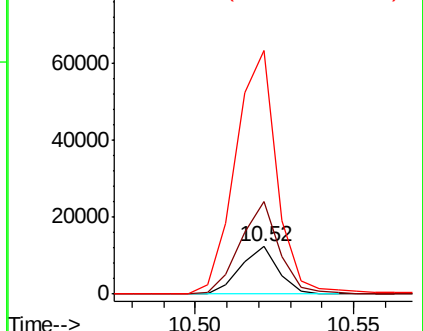
141 513.6 74.4 111.6#

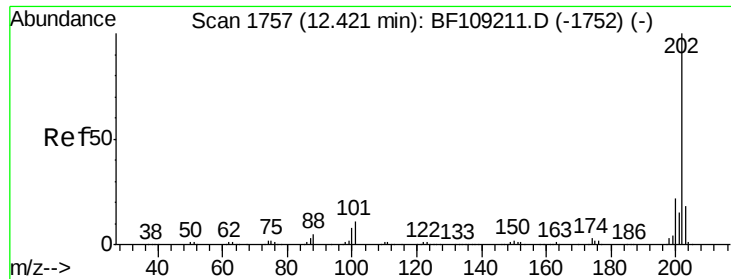


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

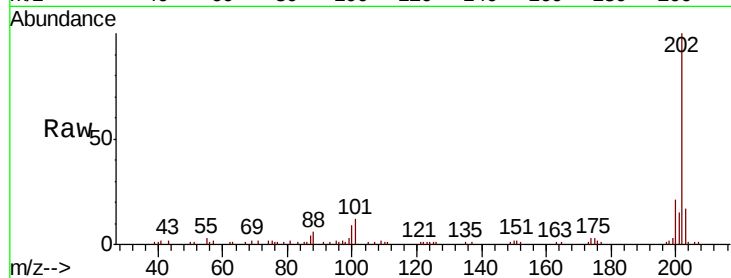




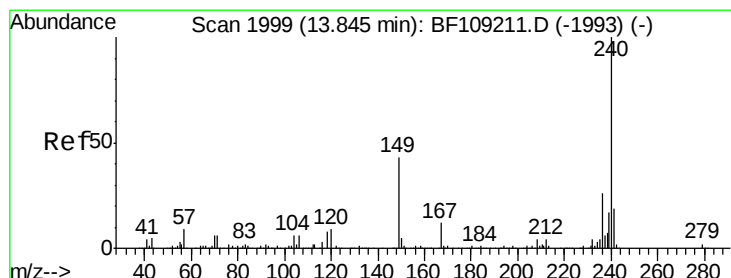
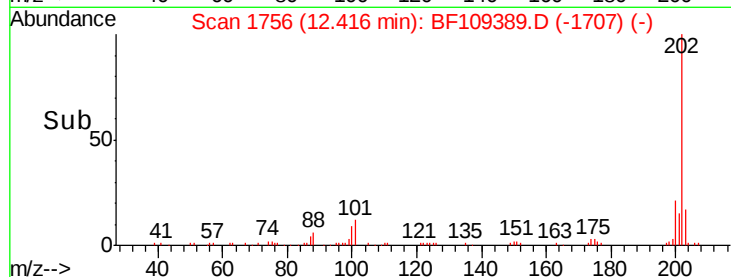
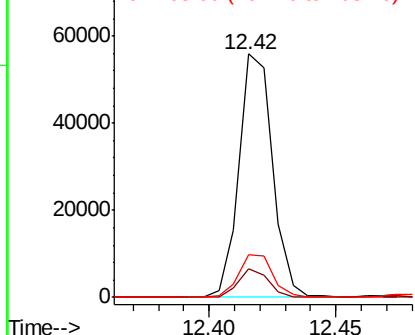
#74
Fluoranthene
Concen: 2.213 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.4	0.0	38.1

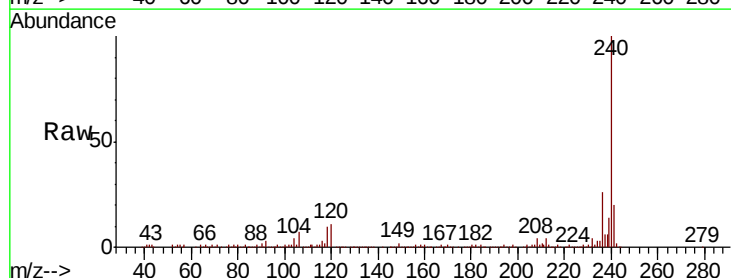


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

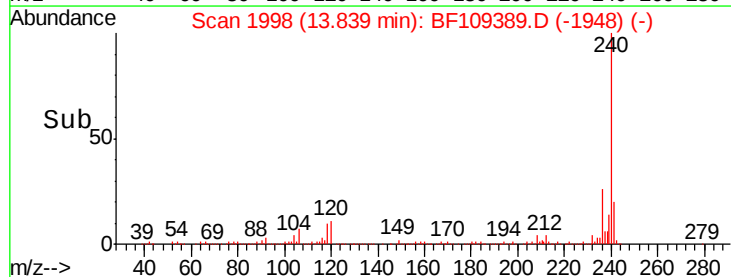
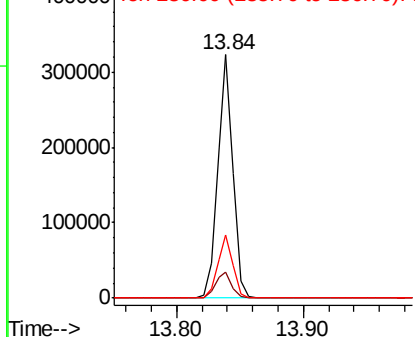


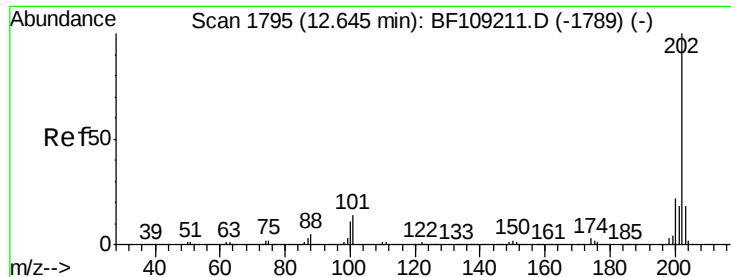
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	25.8	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

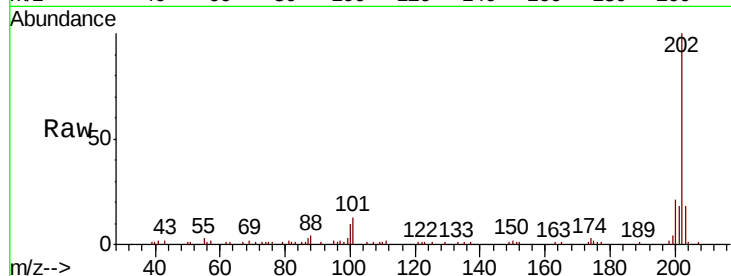




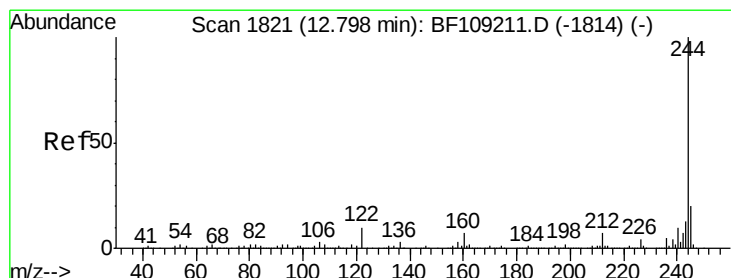
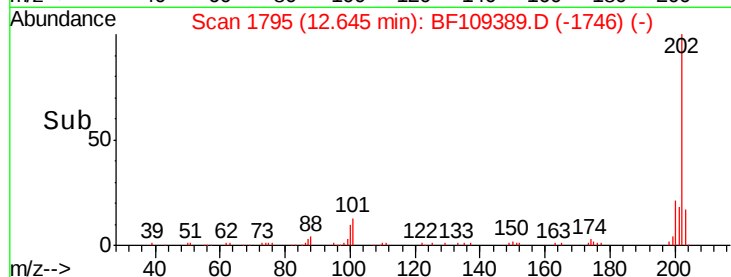
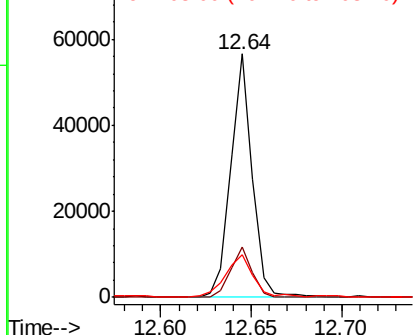
#77
Pvrene
Concen: 2.403 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.6	14.3	21.5

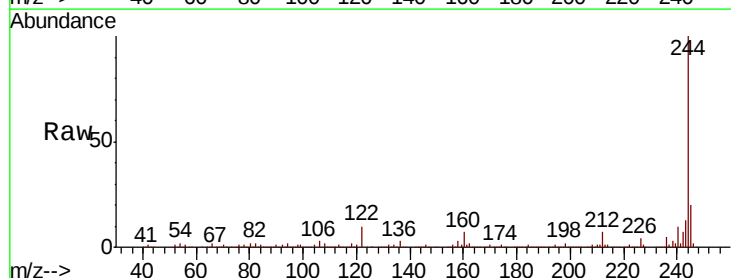


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

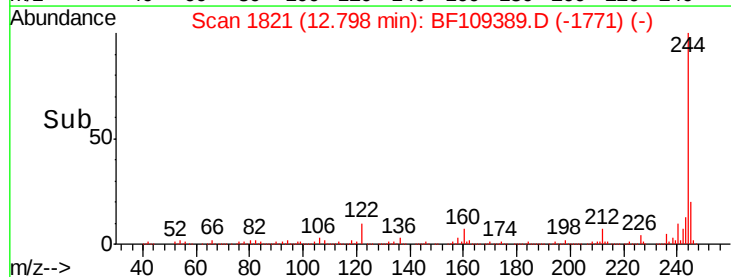
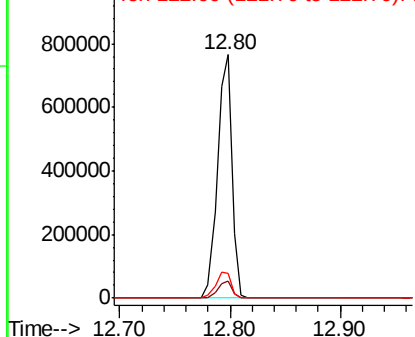


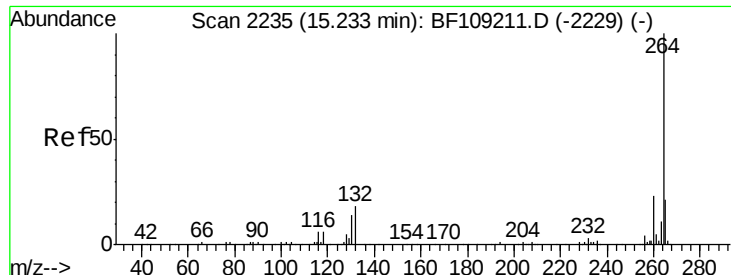
#78
Terphenyl-d14
Concen: 62.822 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.2	11.0	16.4#



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

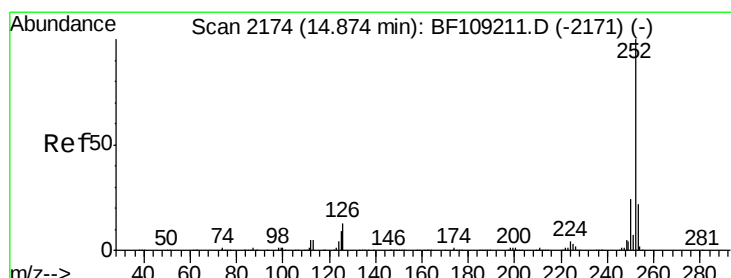
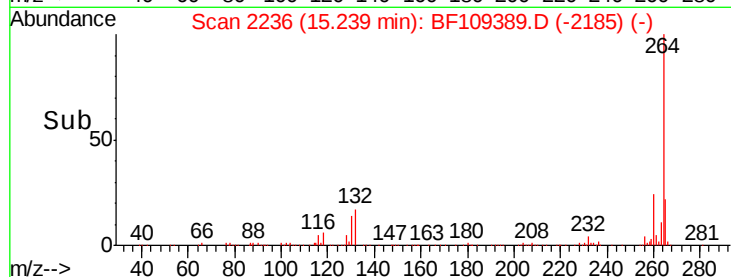
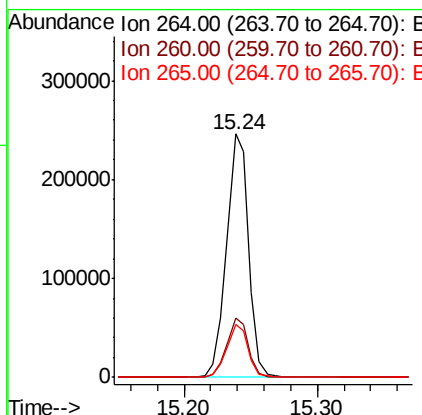
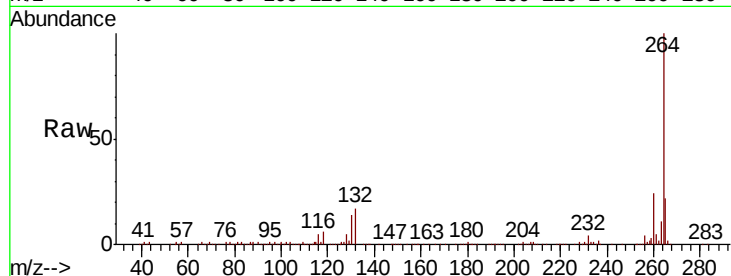




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.7	17.5	26.3



#88
Benzo(k)fluoranthene
Concen: 2.093 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109389.D
Acq: 27 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	13.3	10.2	15.2

