

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107689.D
 Acq On : 26 Jul 2018 6:50
 Operator : JU/SJ
 Sample : J4133-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 07:54:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

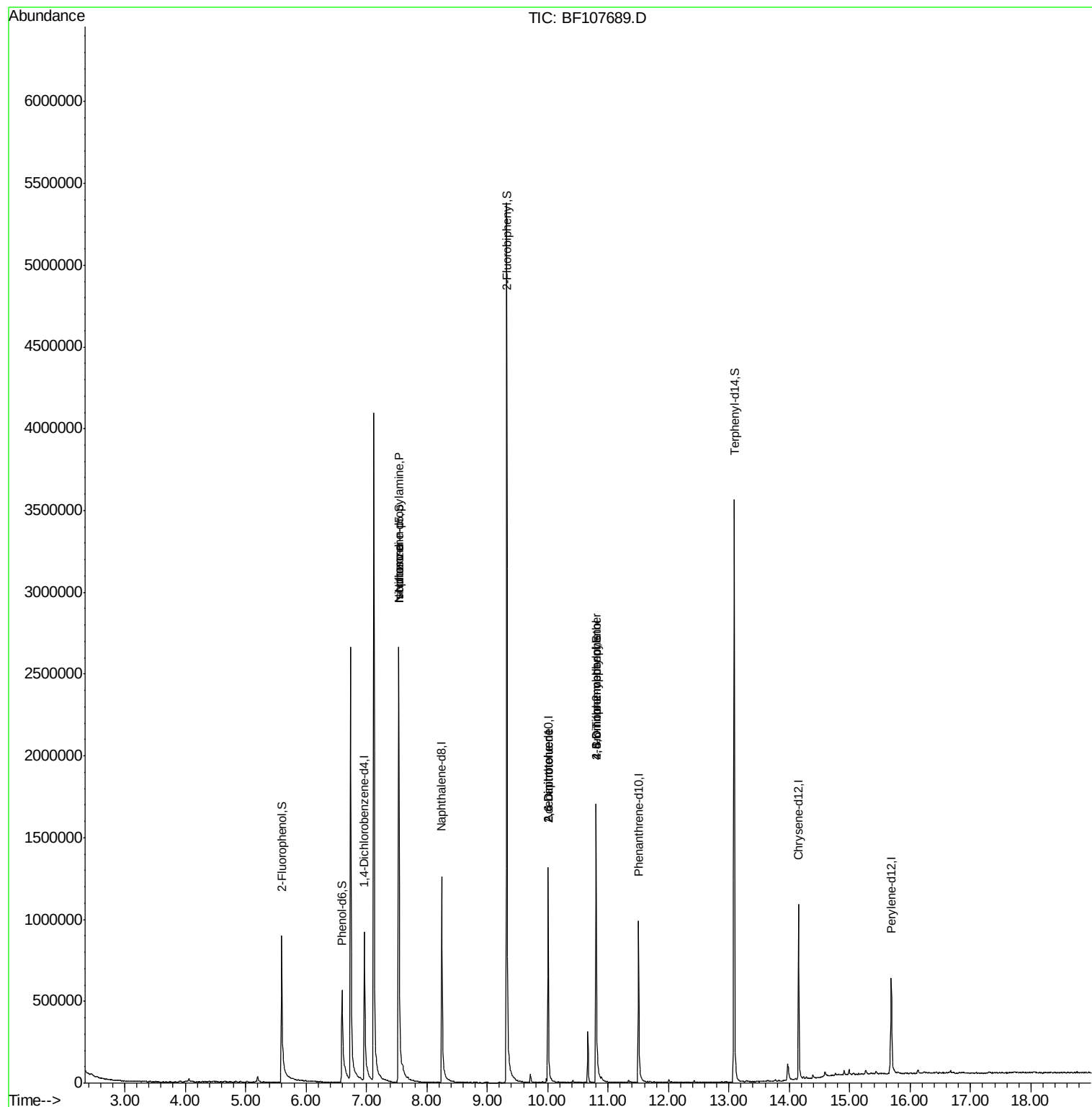
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	206731	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	762653	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	285594	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	478602	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	418841	20.00	ng	-0.01
86) Perylene-d12	15.69	264	348393	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	411738	32.02	ng	-0.01
7) Phenol-d6	6.60	99	384632	24.91	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1221865	108.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	285525	87.92	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	2014526	147.62	ng	-0.01
78) Terphenyl-d14	13.09	244	1395687	85.31	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.60	77	652	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	155997	15.641	ng	# 77
25) Isophorone	7.54	82	1230789	51.009	ng	# 64
50) 2,6-Dinitrotoluene	10.01	165	35507	8.309	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	35507	6.883	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	470	8.847	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	16512	2.931	ng	# 1
73) Di-n-butylphthalate	12.05	149	2339	Below Cal	#	94

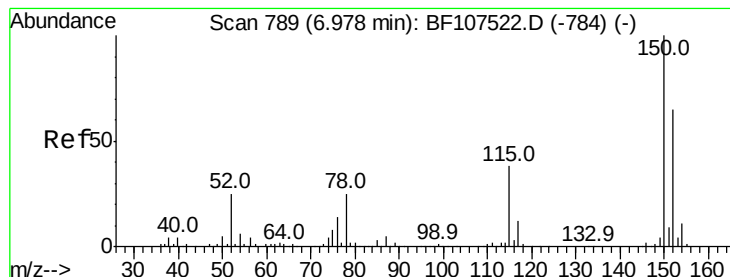
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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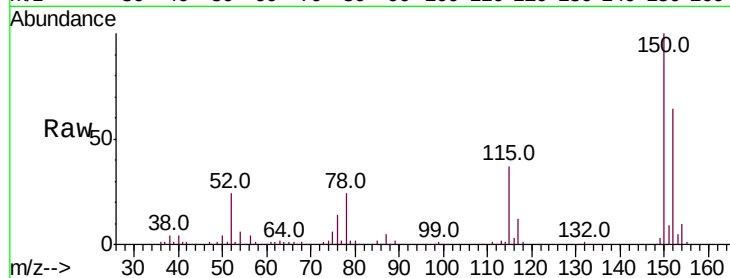


#1

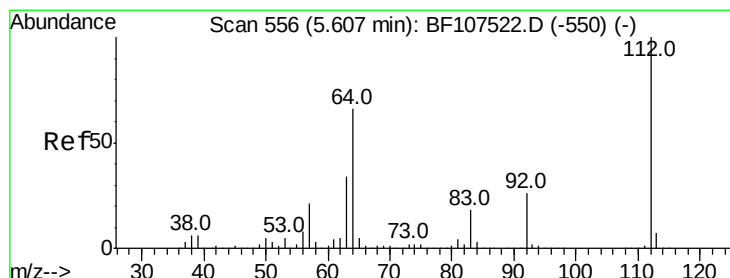
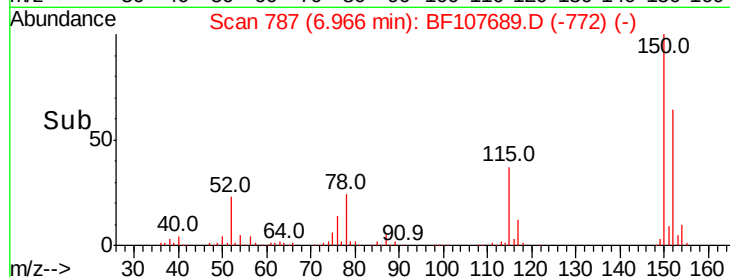
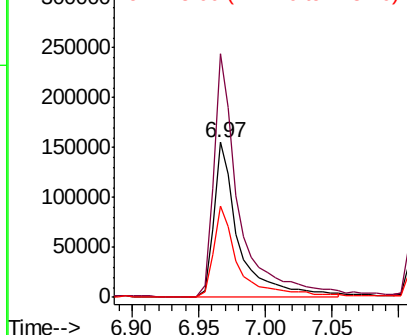
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	58.7	50.1	75.1



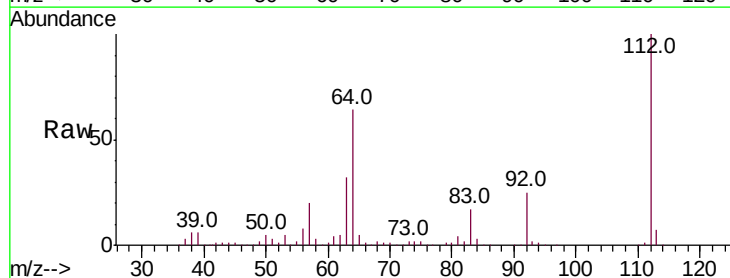
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



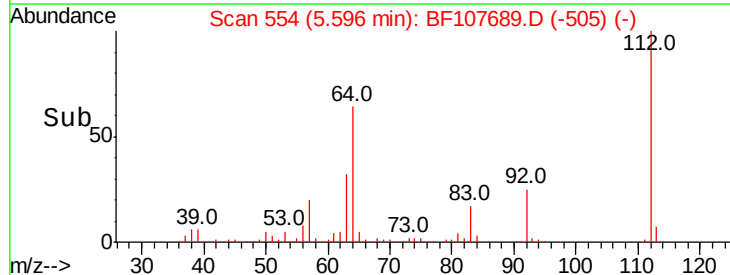
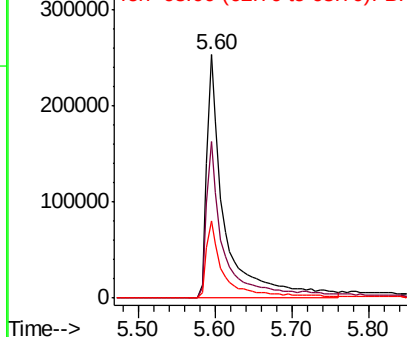
#5

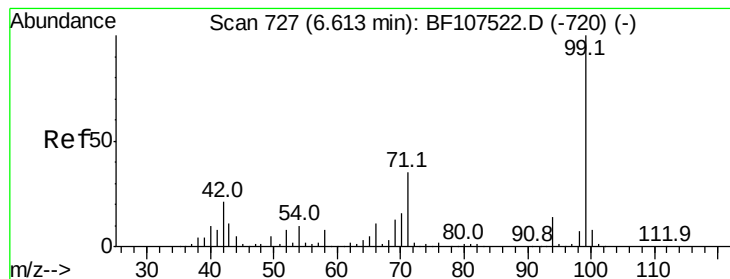
2-Fluorophenol
Concen: 32.022 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	47.9	71.9
63	31.8	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: 24.913 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107689.D

Acq: 26 Jul 2018 6:50

Instrument :

BNA_F

ClientSampleId :

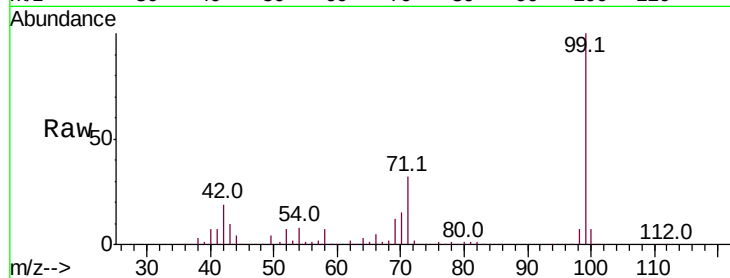
Tot Ion: 99 Resp: 384632

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

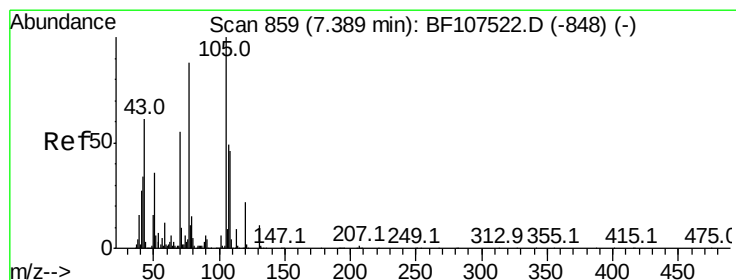
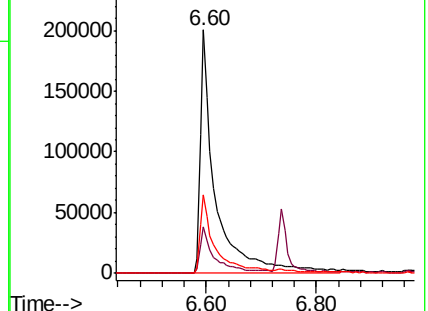
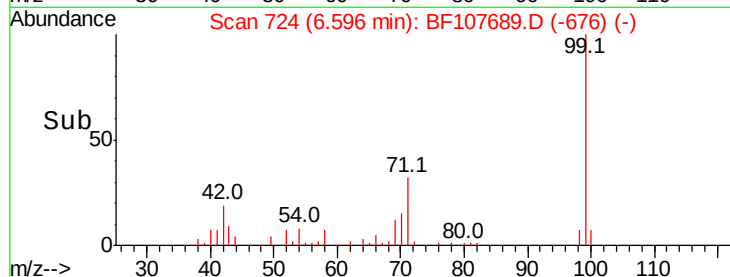
71 32.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.641 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107689.D

Acq: 26 Jul 2018 6:50

Tgt Ion: 70 Resp: 155997

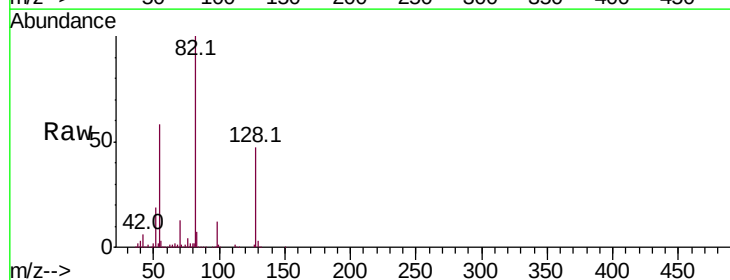
Ion Ratio Lower Upper

70 100

42 46.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

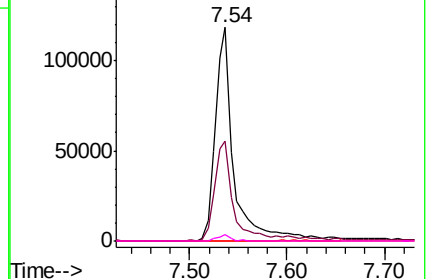
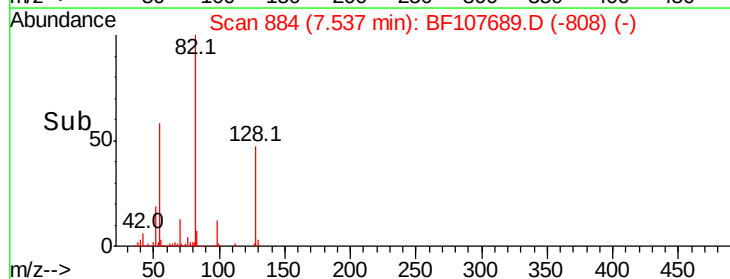


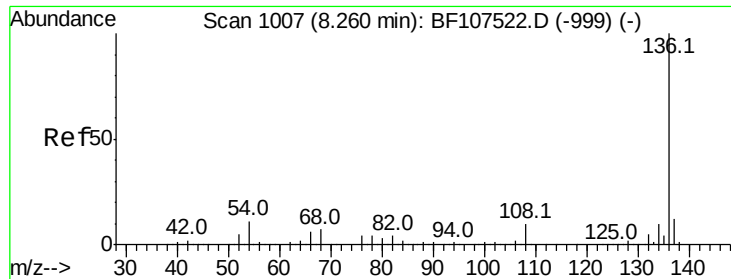
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

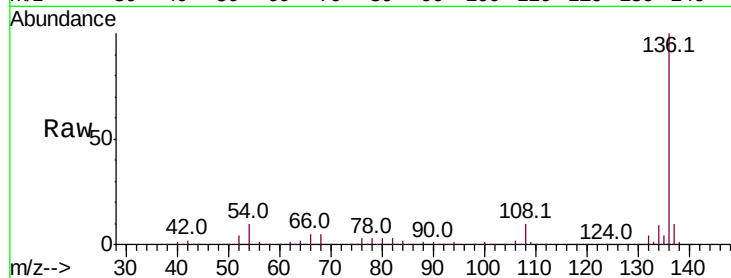




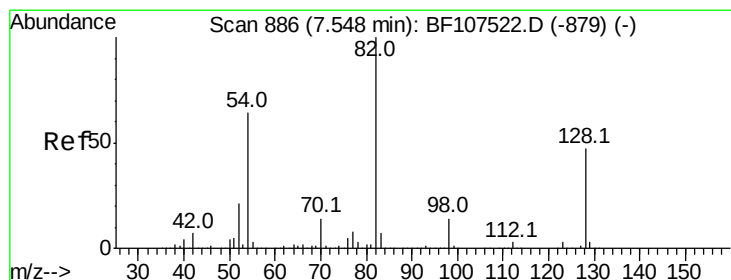
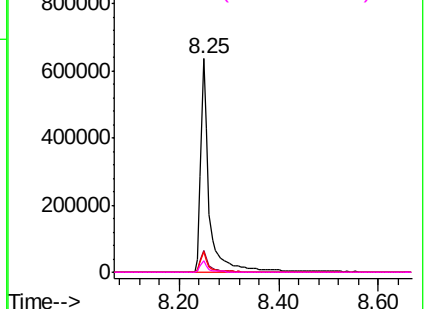
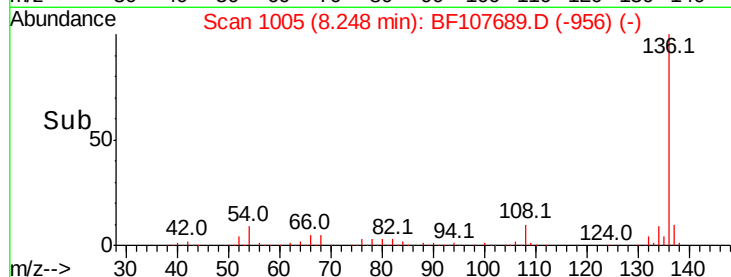
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	762653
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.5	6.6	9.8
68	5.4	5.0	7.4

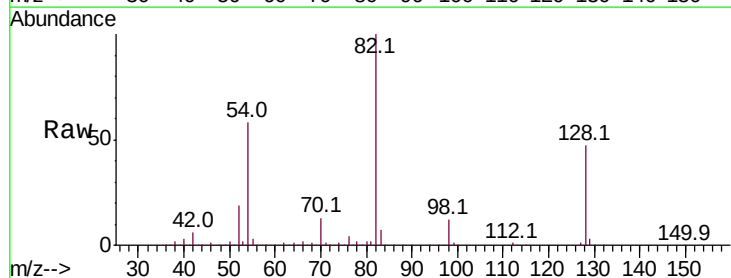


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

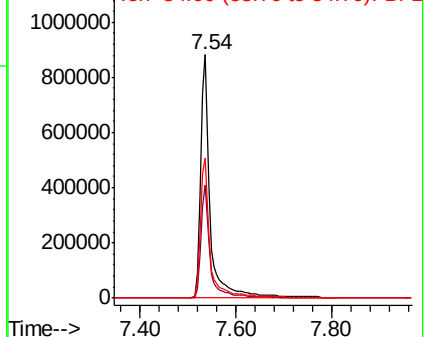
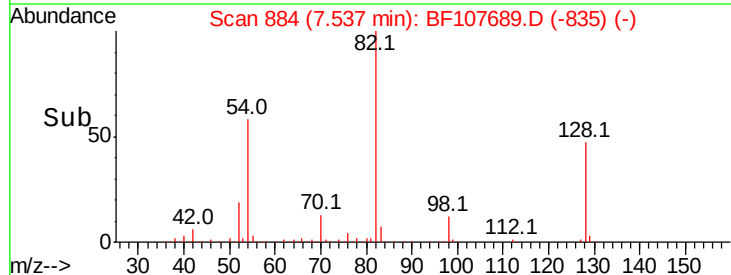


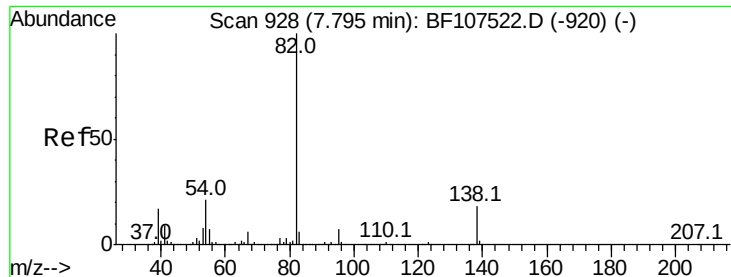
#23
Nitrobenzene-d5
Concen: 108.124 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

Tgt Ion:	82	Resp:	1221865
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	57.7	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.009 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107689.D

Acq: 26 Jul 2018 6:50

Instrument :

BNA_F

ClientSampled :

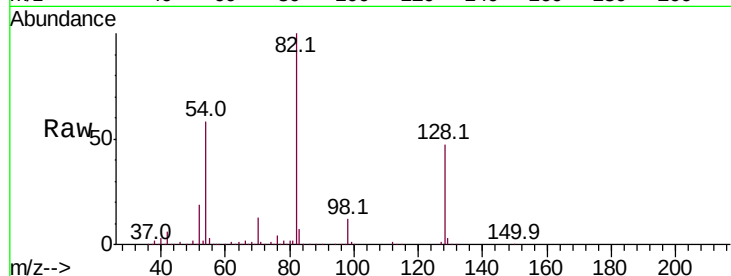
Tot Ion: 82 Resp: 1230789

Ion Ratio Lower Upper

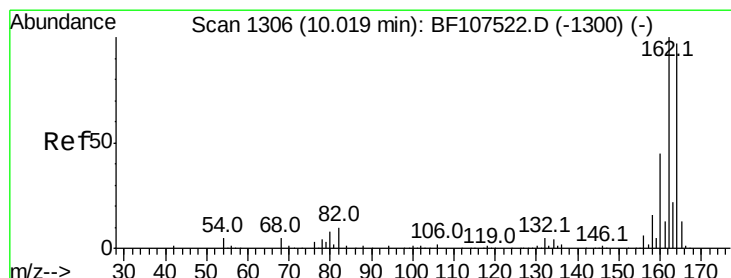
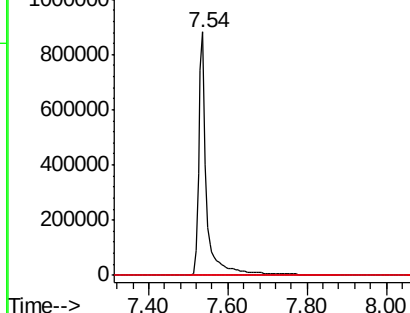
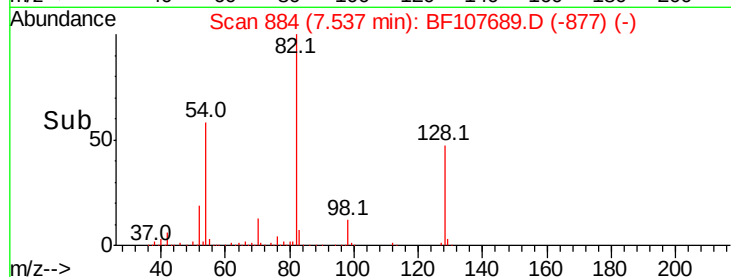
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 95.00 (94.70 to 95.70): BF1
1000000
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107689.D

Acq: 26 Jul 2018 6:50

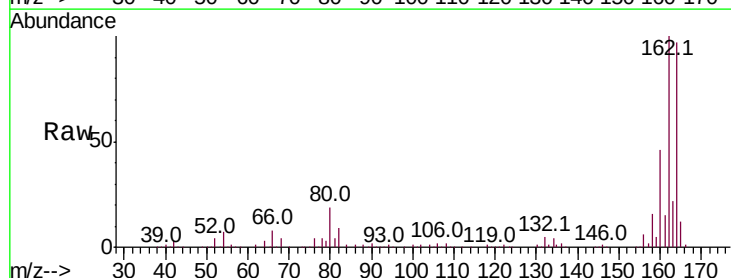
Tgt Ion:164 Resp: 285594

Ion Ratio Lower Upper

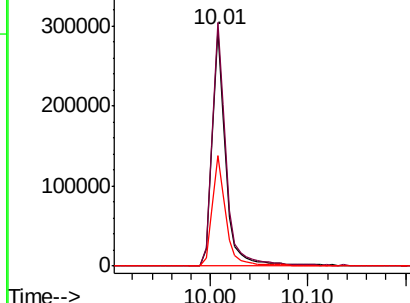
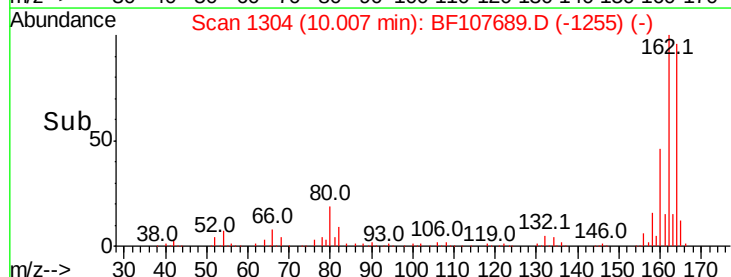
164 100

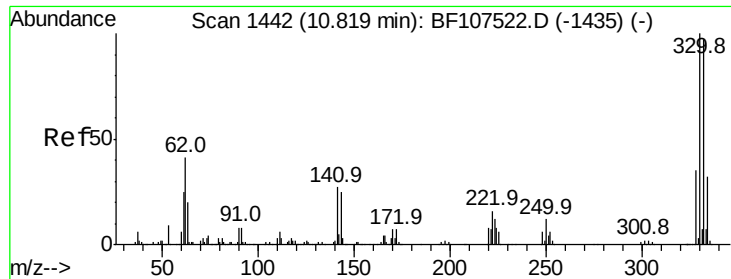
162 103.1 86.1 129.1

160 46.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
400000
Ion 162.00 (161.70 to 162.70): E
300000
Ion 160.00 (159.70 to 160.70): E
200000
100000
0

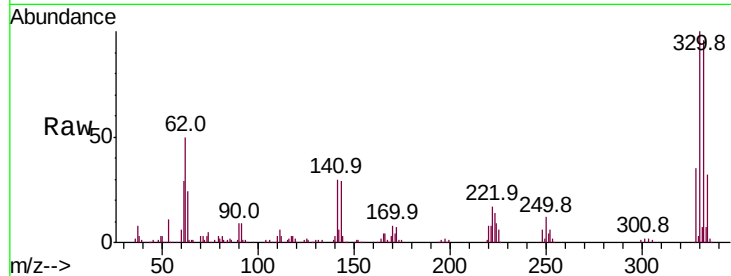




#41
 2,4,6-Tribromophenol
 Concen: 87.917 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107689.D
 Acq: 26 Jul 2018 6:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	29.2	29.9	44.9#

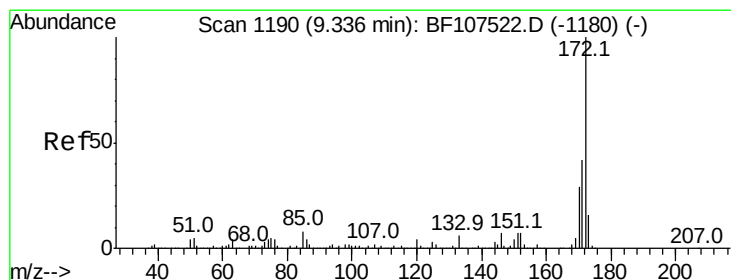
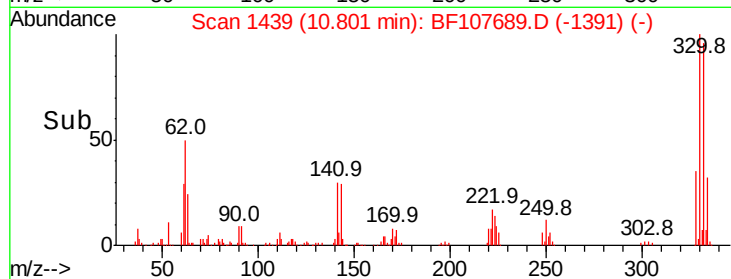
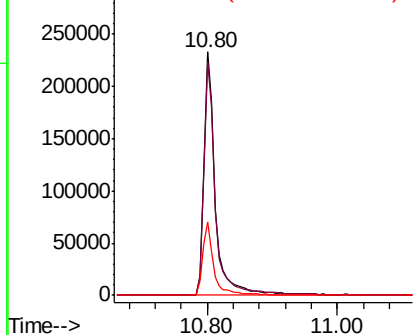


Abundance

Ion 329.80 (329.50 to 330.50): E

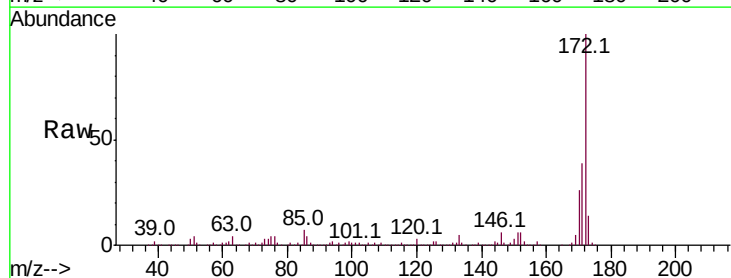
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 147.621 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107689.D
 Acq: 26 Jul 2018 6:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.7	44.5
170	25.9	19.6	29.4

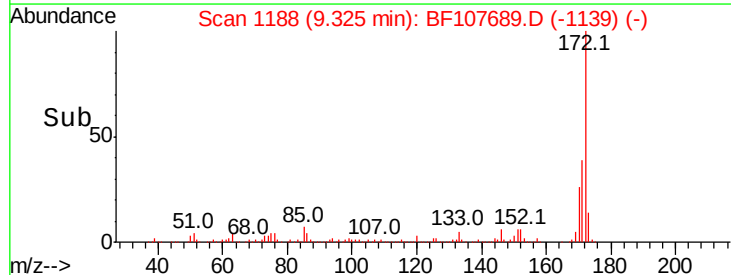
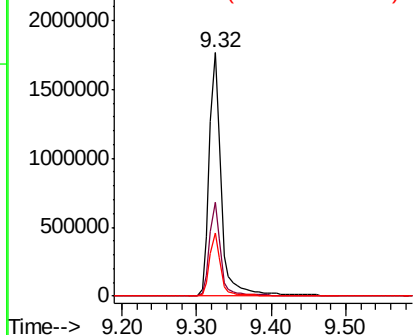


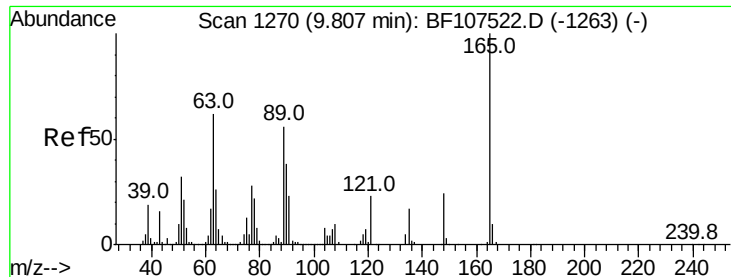
Abundance

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

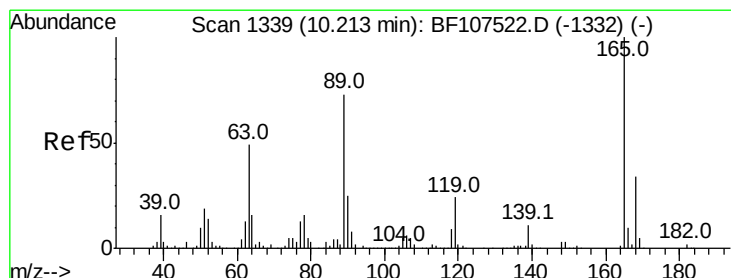
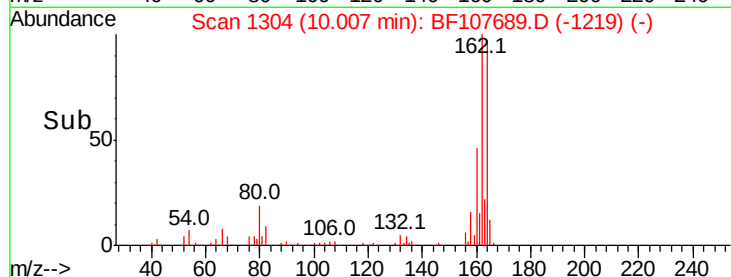
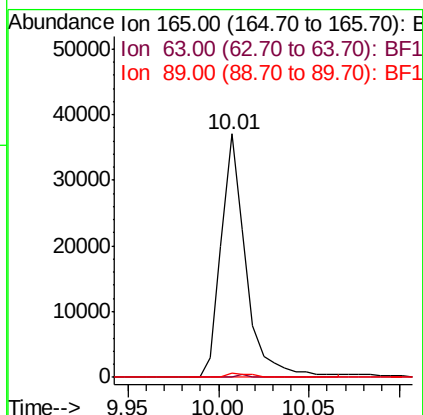
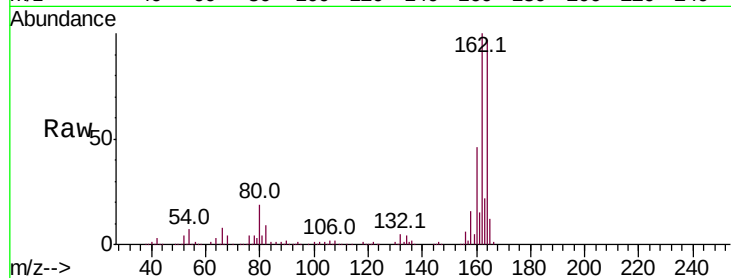




#50
2,6-Dinitrotoluene
Concen: 8.309 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

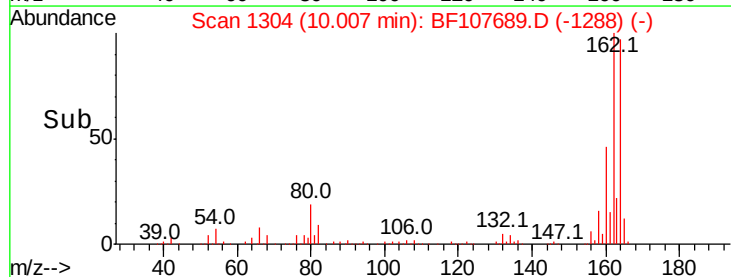
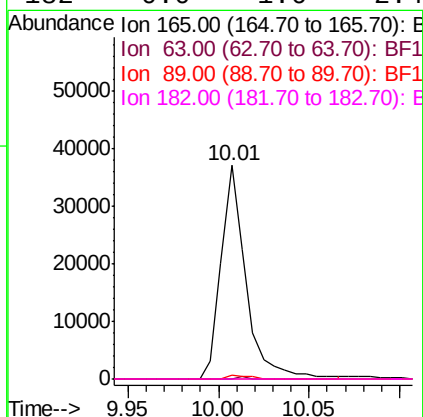
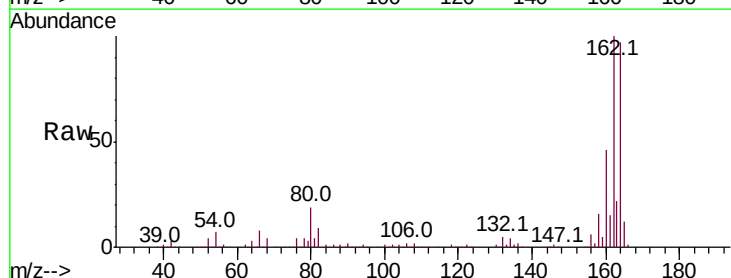
Instrument :
BNA_F
ClientSampleId :

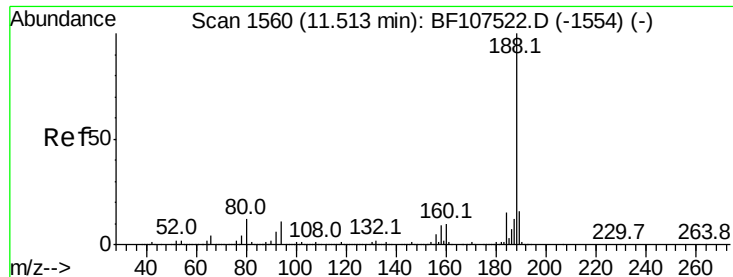
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.883 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF107689.D

Acq: 26 Jul 2018 6:50

Instrument :

BNA_F

ClientSampled :

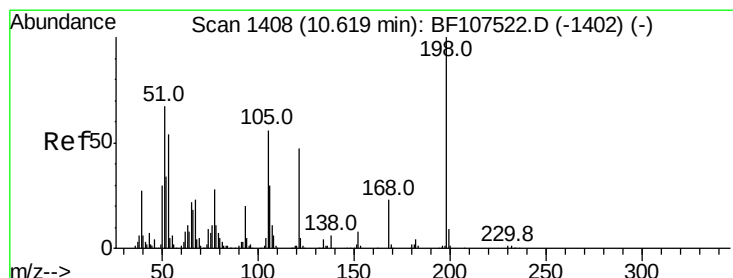
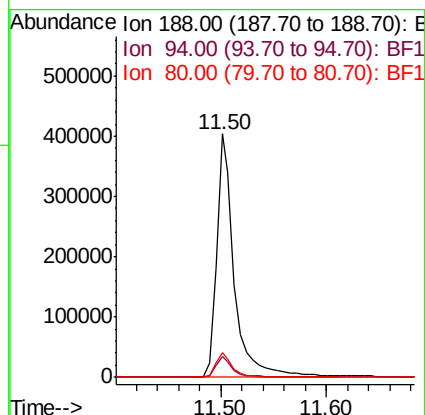
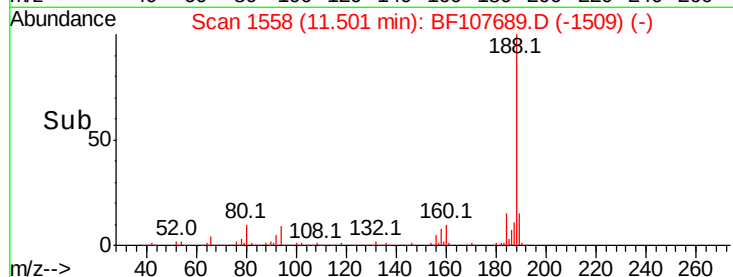
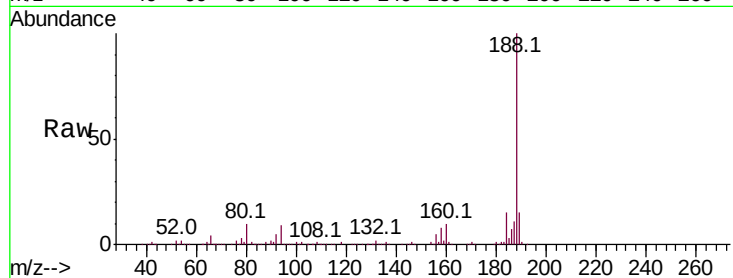
Tot Ion:188 Resp: 478602

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

80 10.1 9.2 13.8



#64

4,6-Dinitro-2-methylphenol

Concen: 8.847 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF107689.D

Acq: 26 Jul 2018 6:50

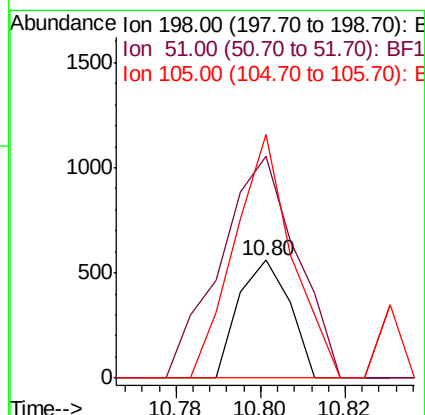
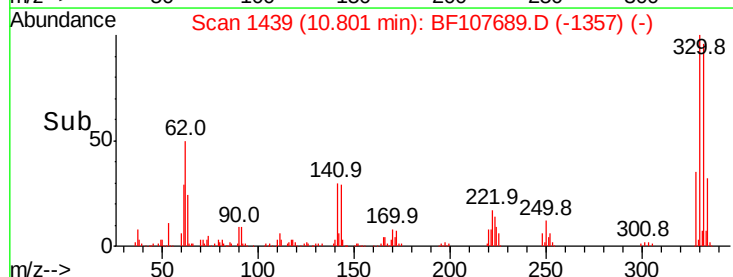
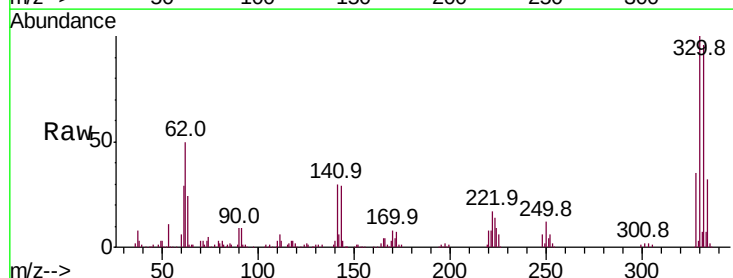
Tgt Ion:198 Resp: 470

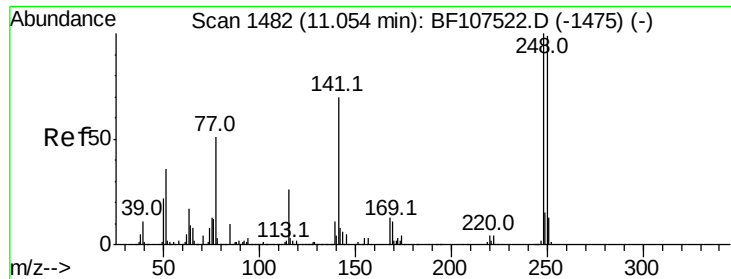
Ion Ratio Lower Upper

198 100

51 189.3 37.7 77.7#

105 207.2 36.3 76.3#

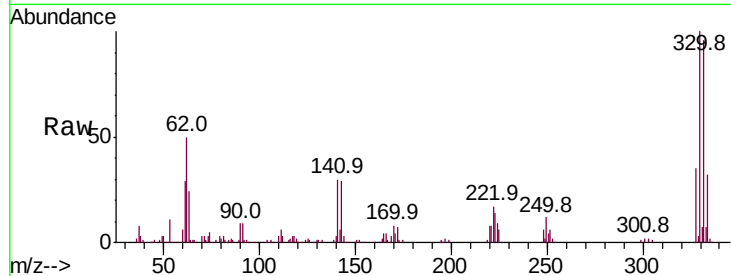




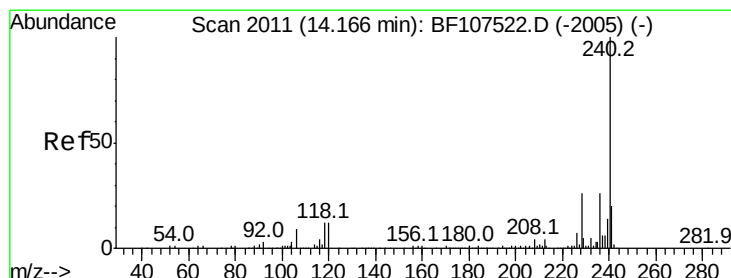
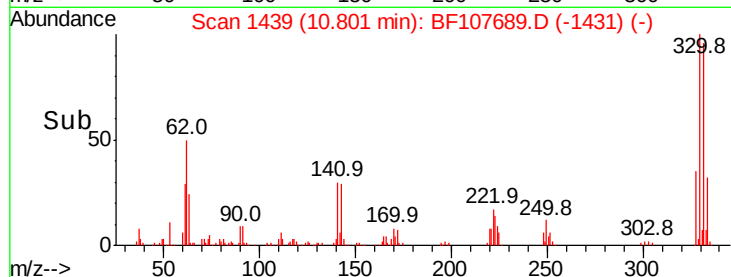
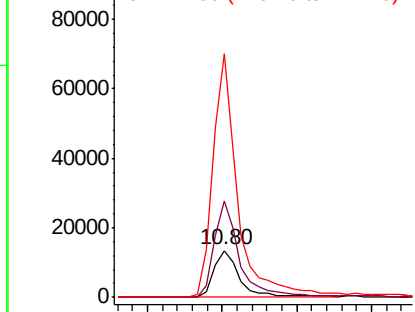
#66
4-Bromophenyl-phenylether
Concen: 2.931 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16512
Ion Ratio Lower Upper
248 100
250 204.3 76.9 115.3#
141 516.7 74.4 111.6#

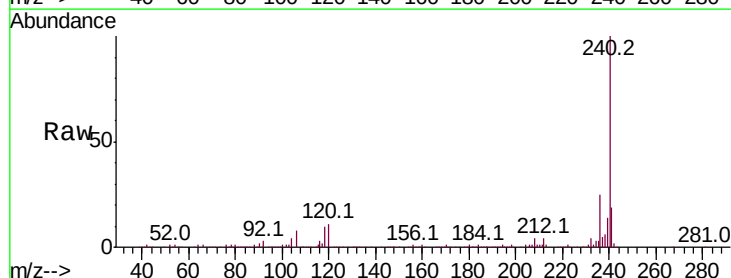


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

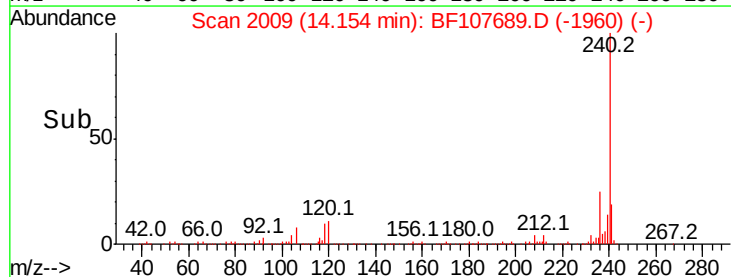
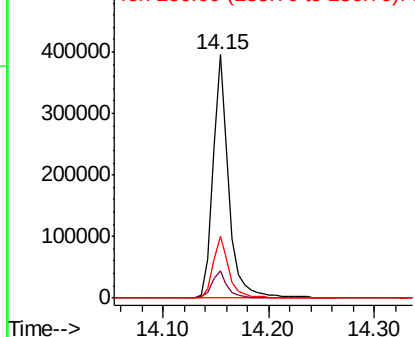


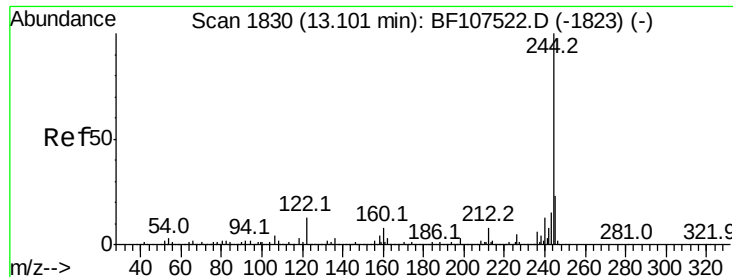
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107689.D
Acq: 26 Jul 2018 6:50

Tgt Ion:240 Resp: 418841
Ion Ratio Lower Upper
240 100
120 11.0 9.5 14.3
236 25.4 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

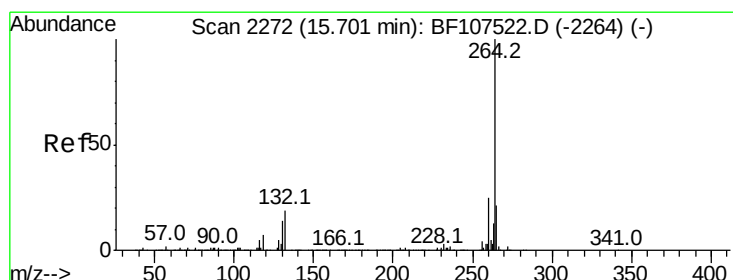
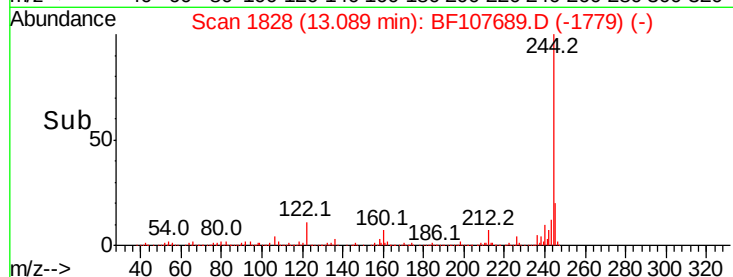
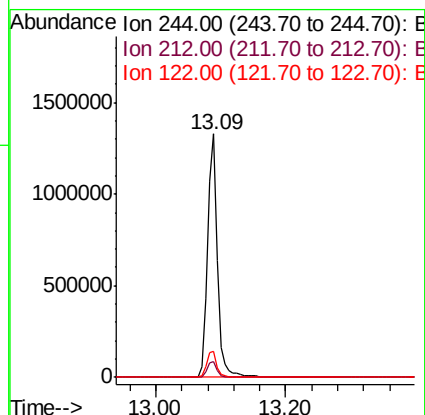
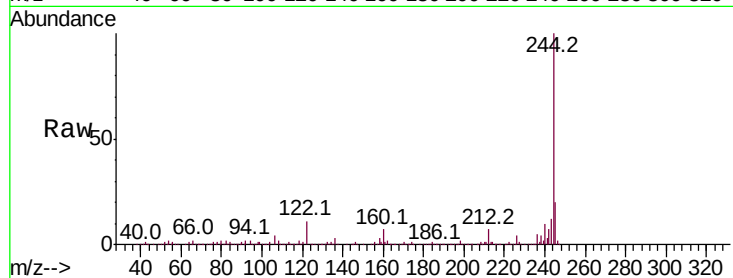




#78
 Terphenyl-d14
 Concen: 85.309 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF107689.D
 Acq: 26 Jul 2018 6:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1395687
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.7 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF107689.D
 Acq: 26 Jul 2018 6:50

Tgt Ion:264 Resp: 348393
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 20.7 17.5 26.3

