

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107489.D
 Acq On : 18 Jul 2018 20:27
 Operator : JU/SJ
 Sample : J3991-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 00:56:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

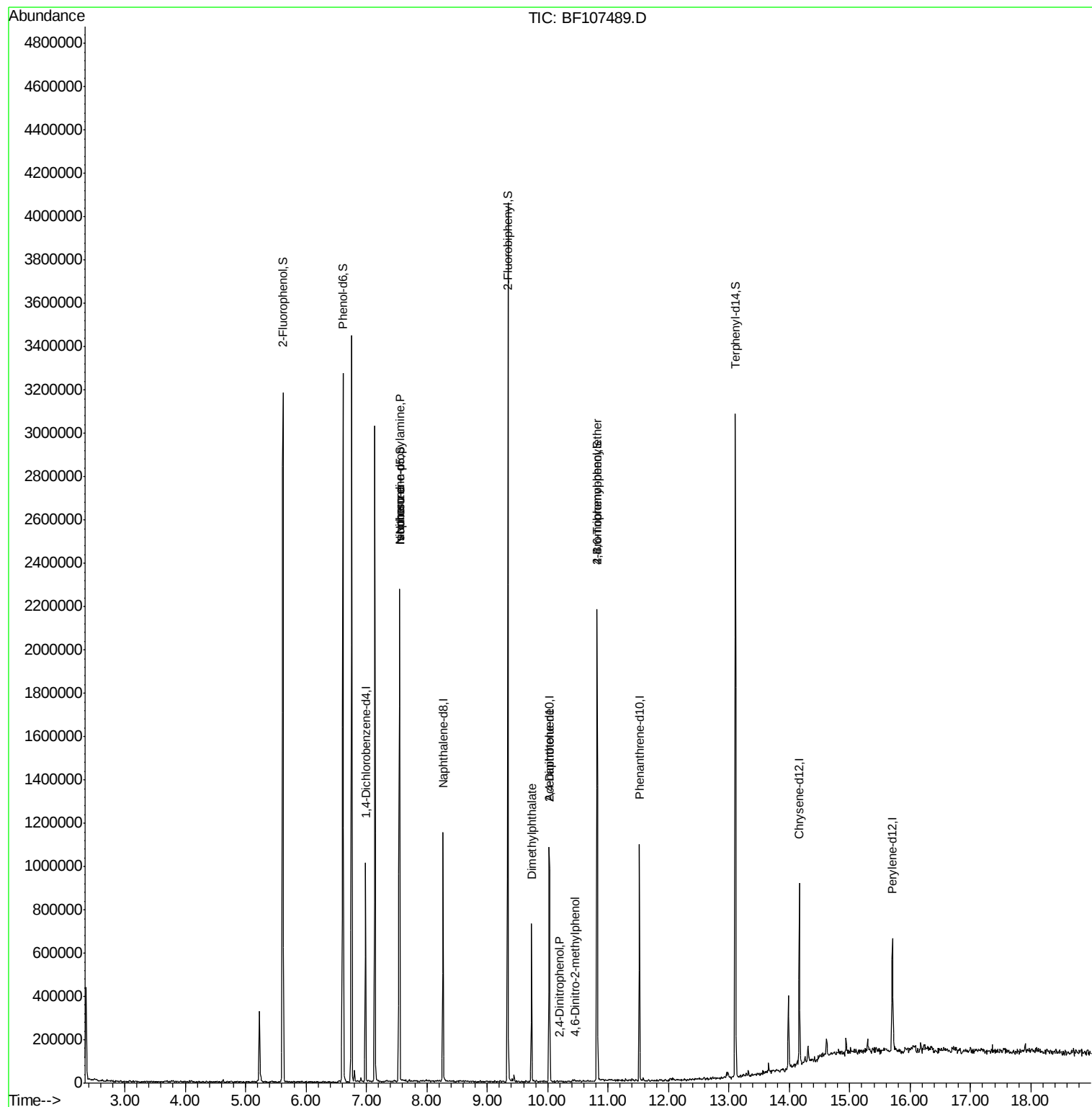
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	114502	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	394320	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	198758	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	334709	20.00	ng	0.00
75) Chrysene-d12	14.17	240	284685	20.00	ng	-0.01
86) Perylene-d12	15.71	264	233507	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	749107	99.36	ng	0.00
7) Phenol-d6	6.61	99	962391	98.73	ng	0.00
23) Nitrobenzene-d5	7.55	82	729476	98.65	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	175860	100.70	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1119380	95.20	ng	0.00
78) Terphenyl-d14	13.11	244	893088	77.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.55	70	118562	16.988	ng	# 73
25) Isophorone	7.55	82	729461	49.768	ng	# 64
49) Dimethylphthalate	9.73	163	227163	14.385	ng	# 96
53) 2,4-Dinitrophenol	10.19	184	129	2.425	ng	# 1
56) 2,4-Dinitrotoluene	10.02	165	25319	6.446	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.45	198	167	7.568	ng	# 23
66) 4-Bromophenyl-phenylether	10.82	248	21418	5.593	ng	# 1

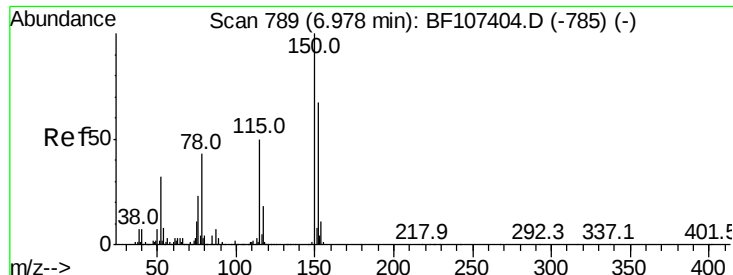
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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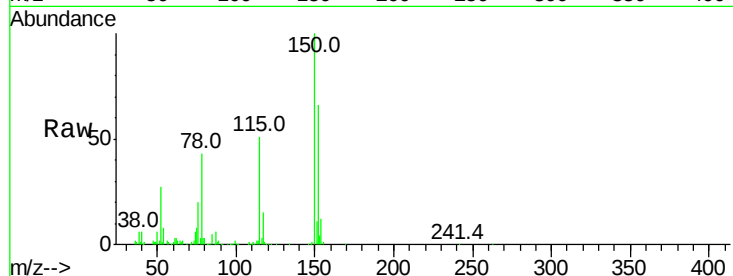


#1

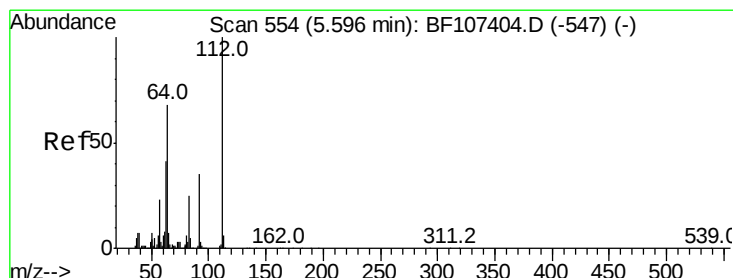
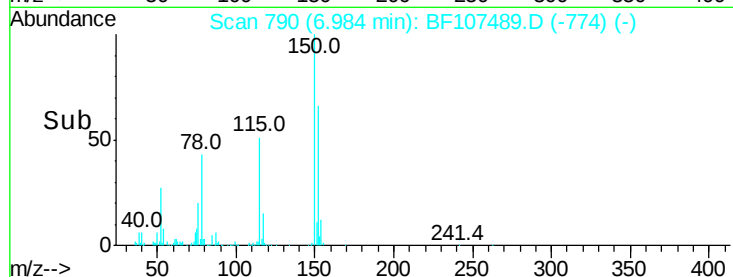
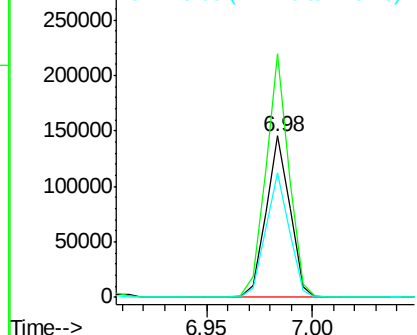
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107489.D
Acq: 18 Jul 2018 20:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.6	186.8
115	76.9	50.1	75.1



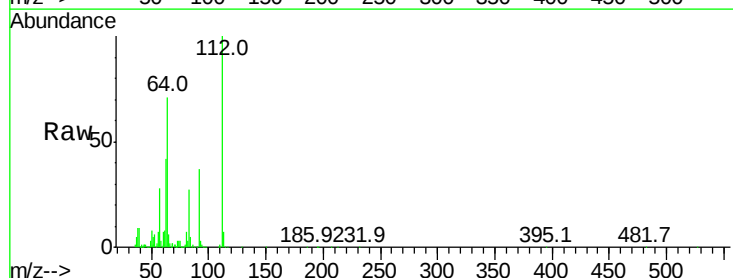
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



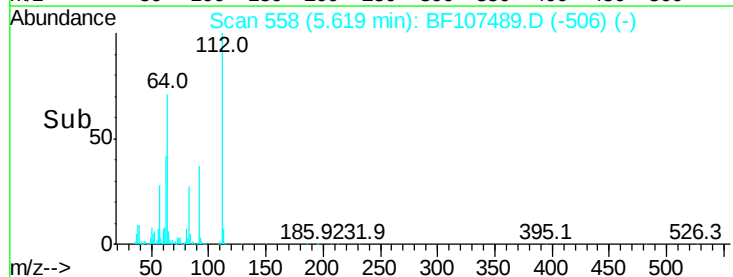
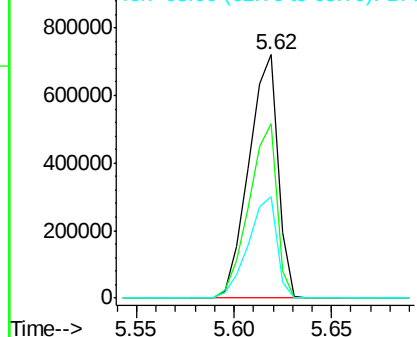
#5

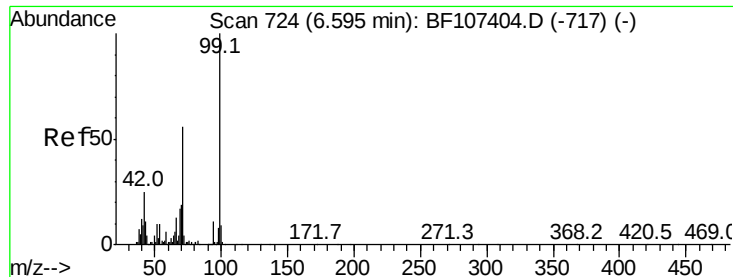
2-Fluorophenol
Concen: 99.361 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF107489.D
Acq: 18 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	47.9	71.9
63	41.7	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: 98.733 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

Instrument :

BNA_F

ClientSampled :

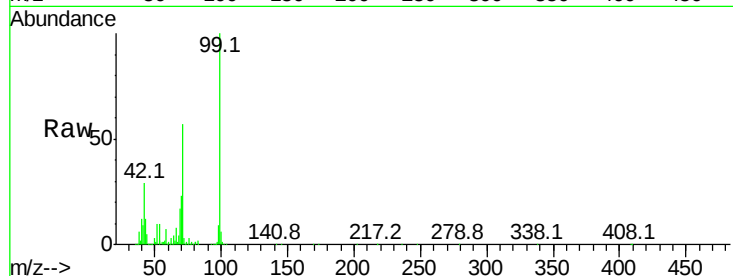
Tot Ion: 99 Resp: 962391

Ion Ratio Lower Upper

99 100

42 28.5 14.5 21.7#

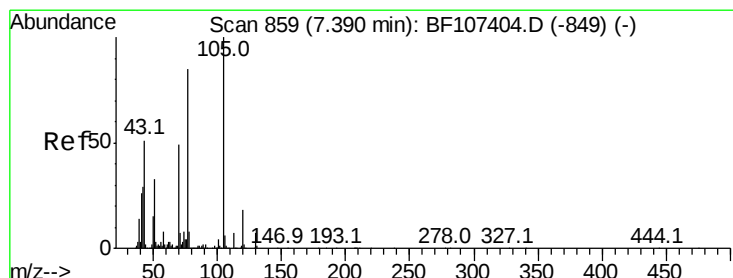
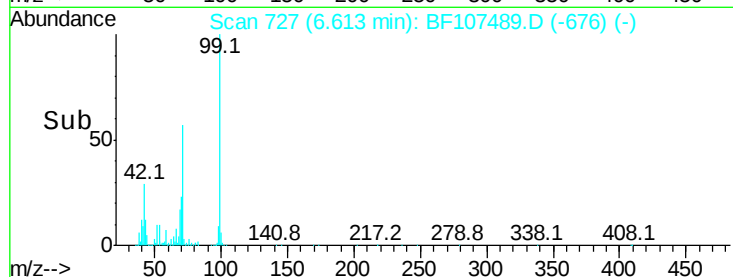
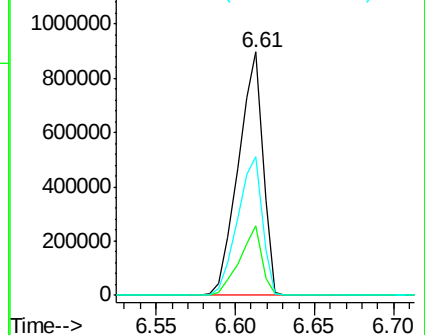
71 57.0 25.4 38.0#



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: 16.988 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

Tgt Ion: 70 Resp: 118562

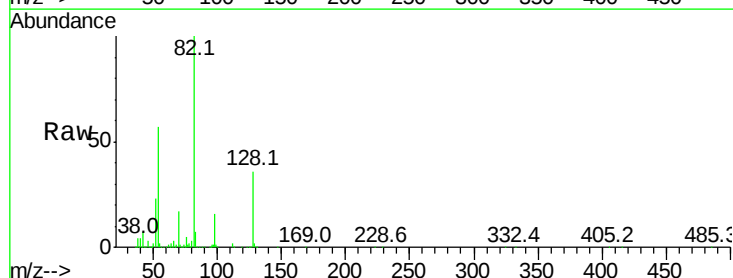
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 1.3 16.6 25.0#

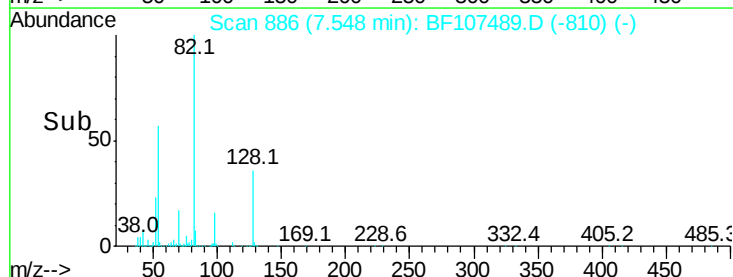
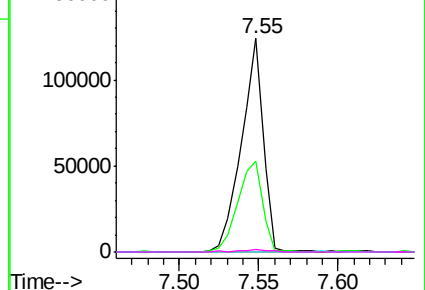


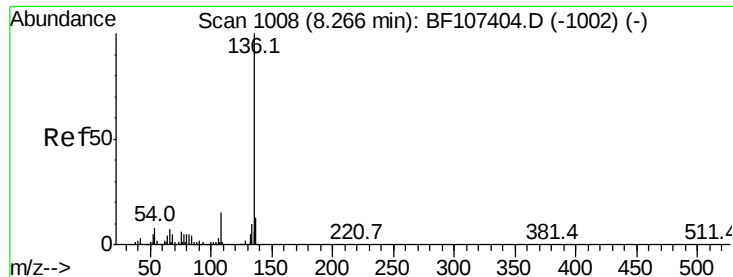
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 394320

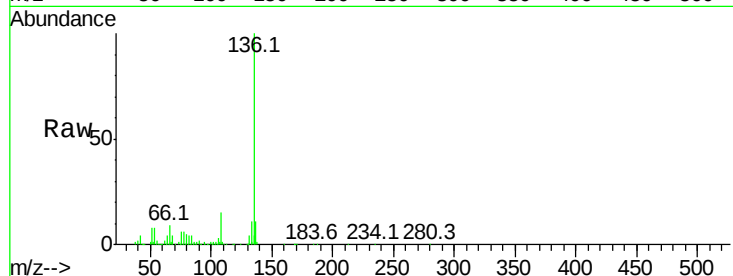
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.1 6.6 9.8

68 5.3 5.0 7.4

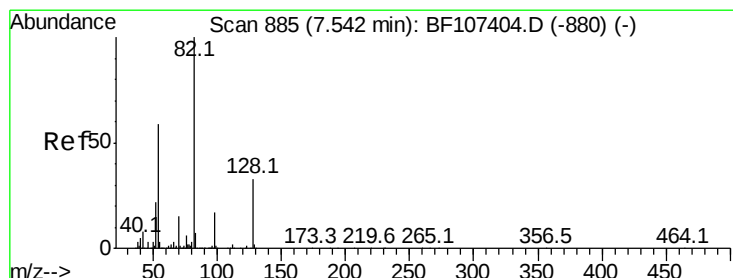
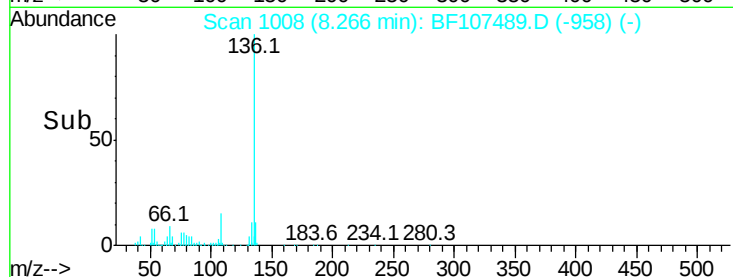
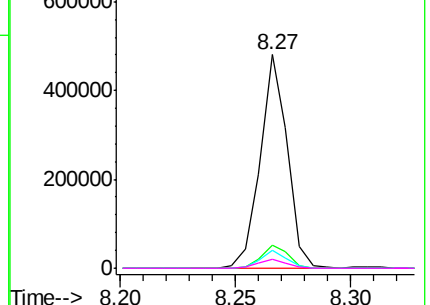


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.647 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

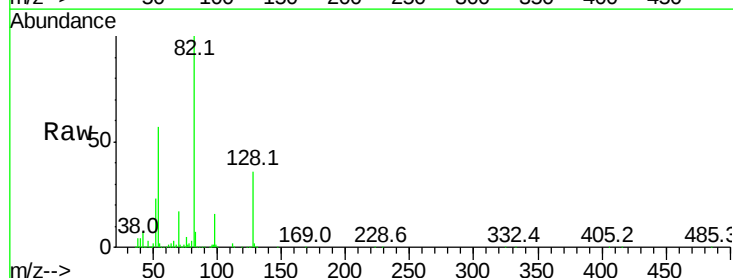
Tgt Ion: 82 Resp: 729476

Ion Ratio Lower Upper

82 100

128 35.7 36.1 54.1#

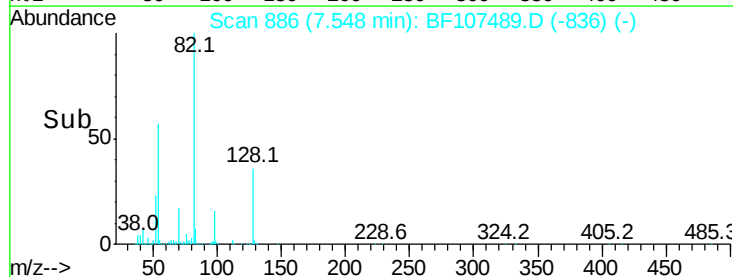
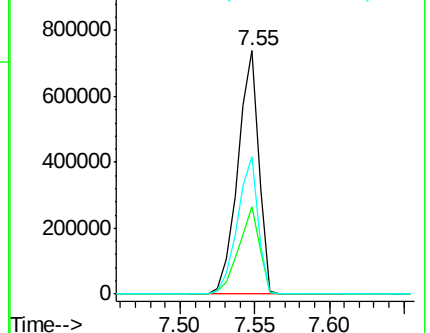
54 56.5 41.4 62.2

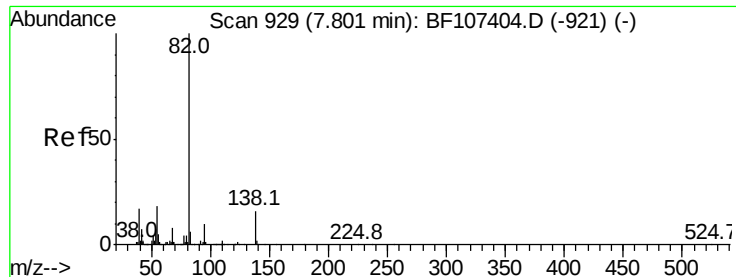


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.768 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

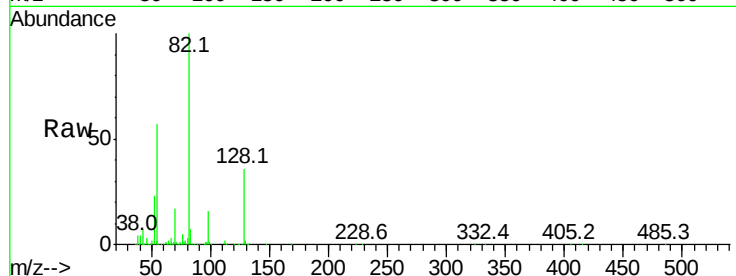
Tot Ion: 82 Resp: 729461

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

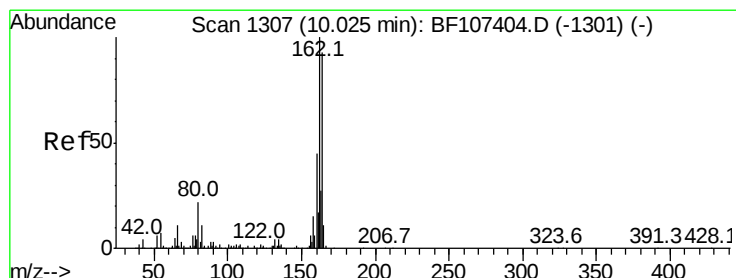
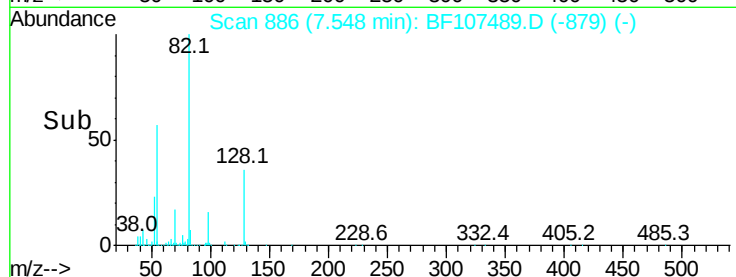
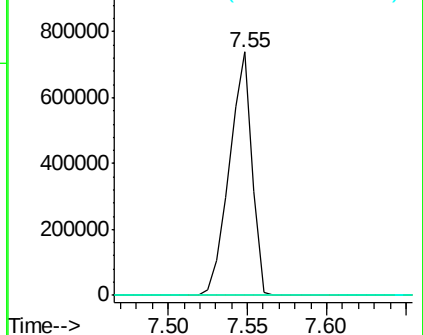
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

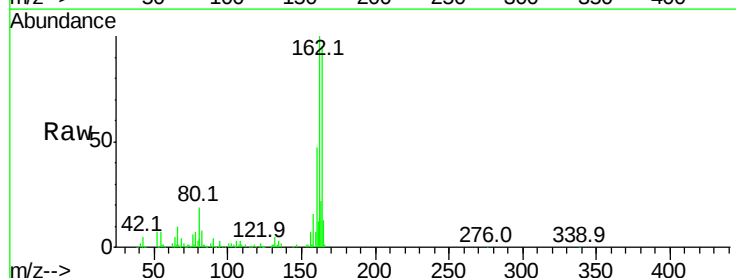
Tgt Ion: 164 Resp: 198758

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

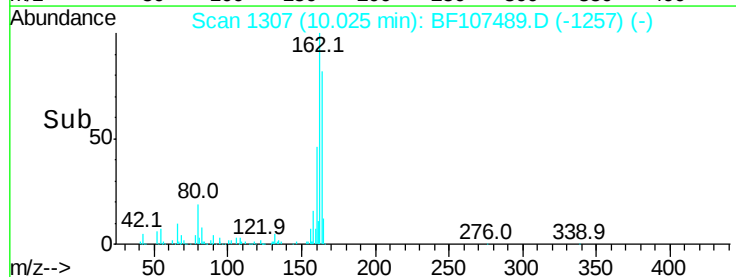
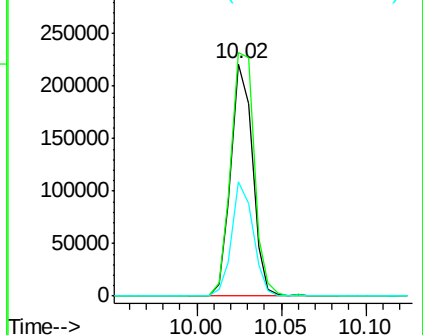
160 49.1 38.3 57.5

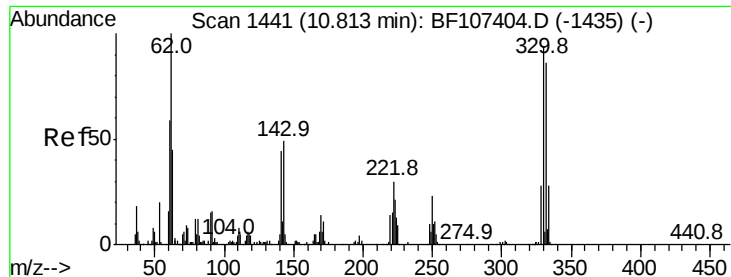


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

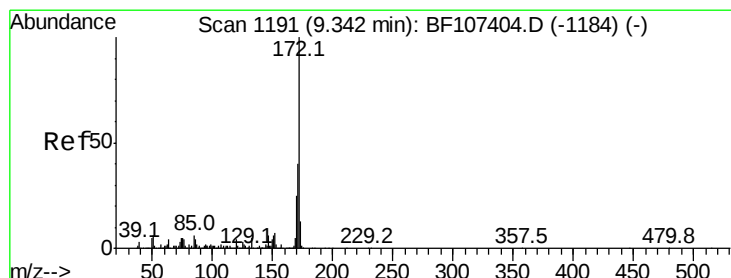
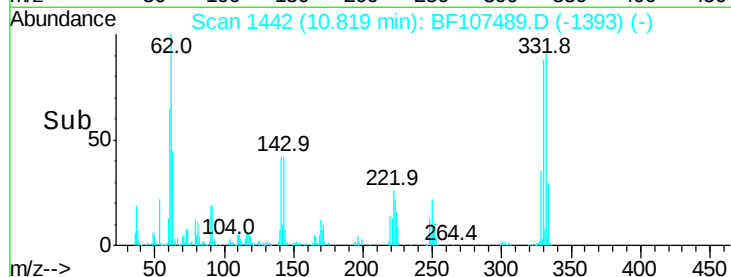
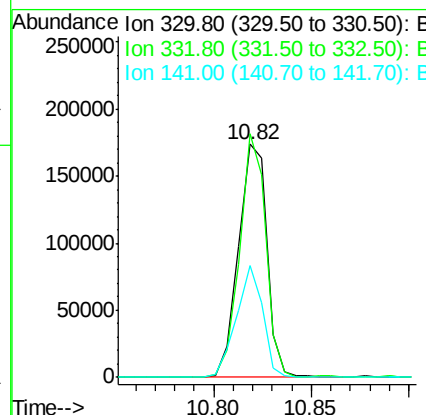
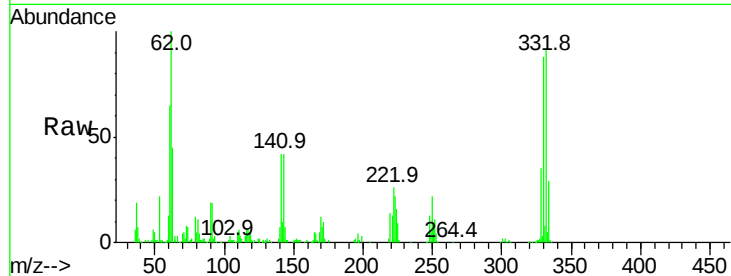




#41
 2,4,6-Tribromophenol
 Concen: 100.703 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF107489.D
 Acq: 18 Jul 2018 20:27

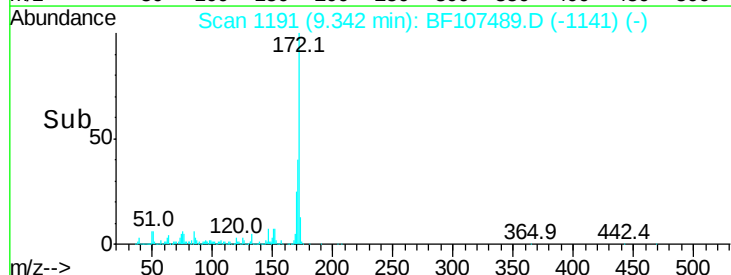
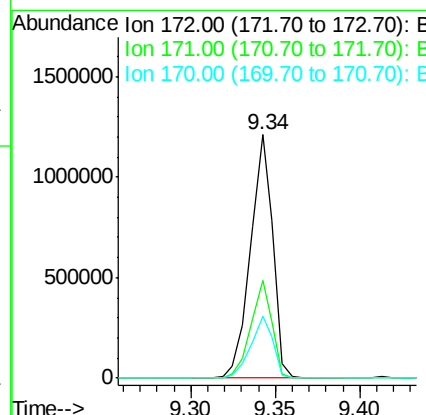
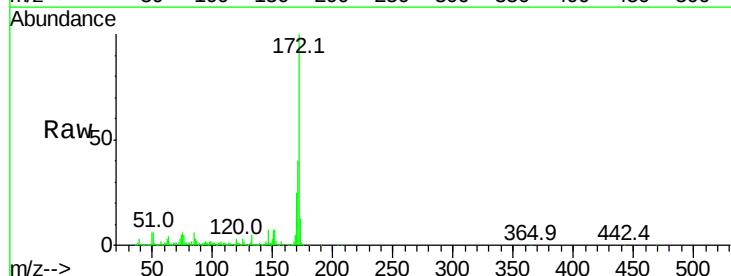
Instrument :
 BNA_F
 ClientSampleId :

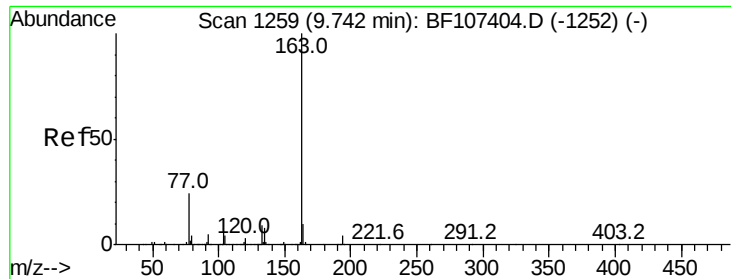
Tot Ion:330 Resp: 175860
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 44.7 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 95.204 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF107489.D
 Acq: 18 Jul 2018 20:27

Tgt Ion:172 Resp: 1119380
 Ion Ratio Lower Upper
 172 100
 171 40.1 29.7 44.5
 170 25.3 19.6 29.4





#49

Dimethylphthalate

Concen: 14.385 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

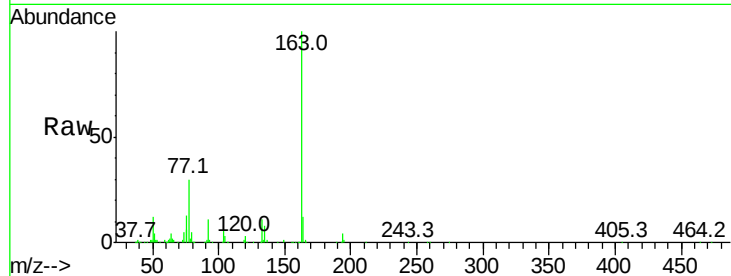
Tot Ion:163 Resp: 227163

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

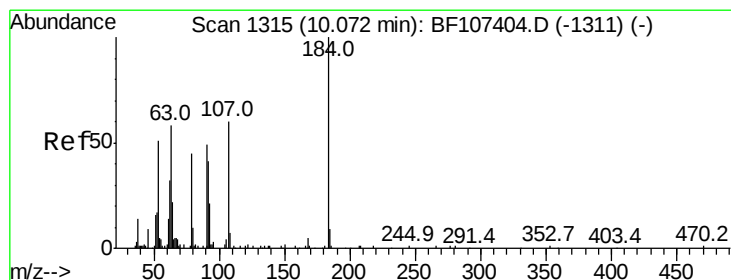
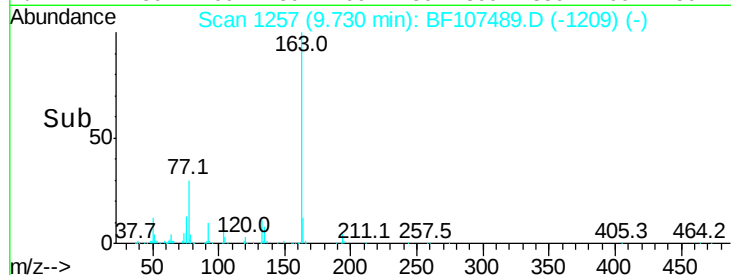
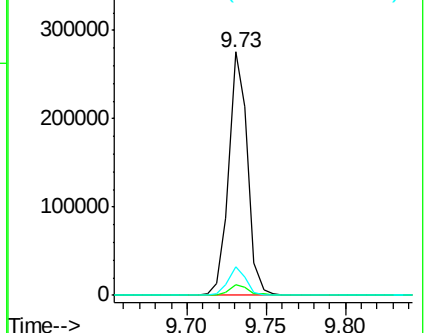
164 11.7 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 2.425 ng

RT: 10.19 min Scan# 1335

Delta R.T. 0.10 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

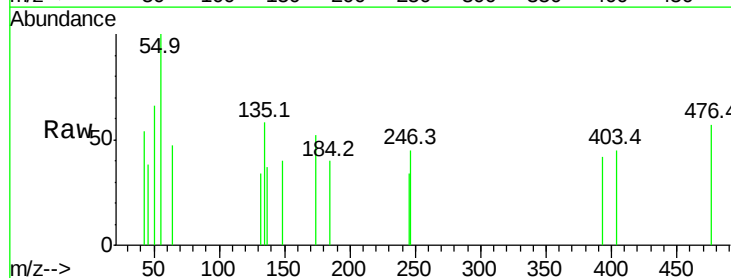
Tgt Ion:184 Resp: 129

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

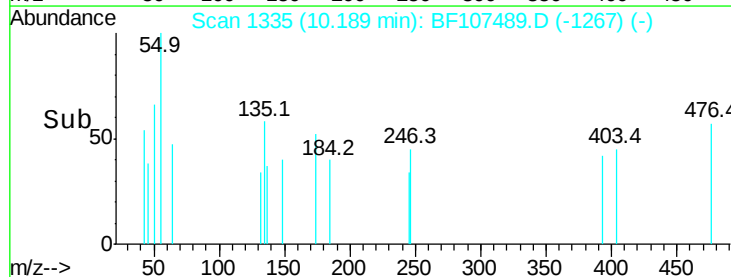
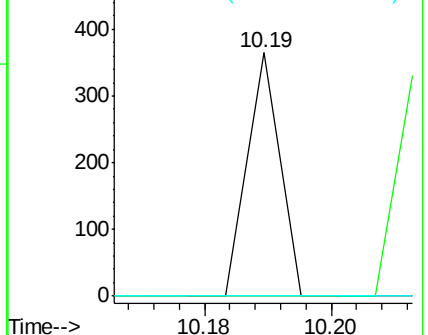
154 0.0 184.0 276.0#

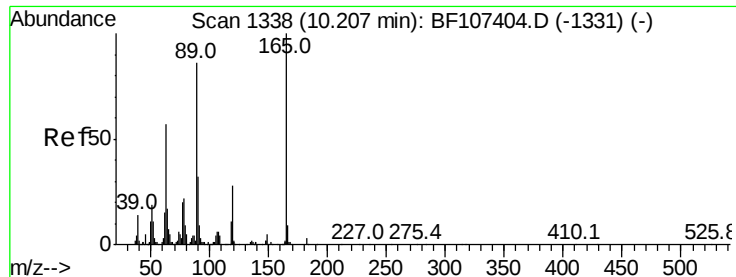


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 6.446 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.19 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 25319

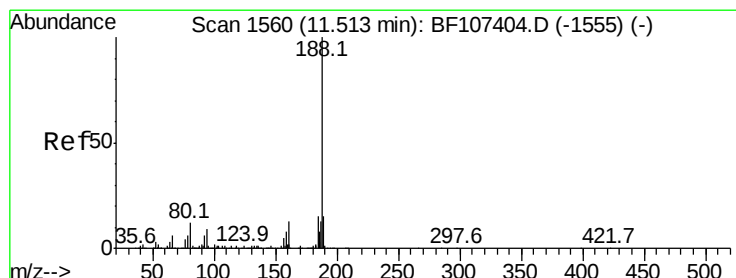
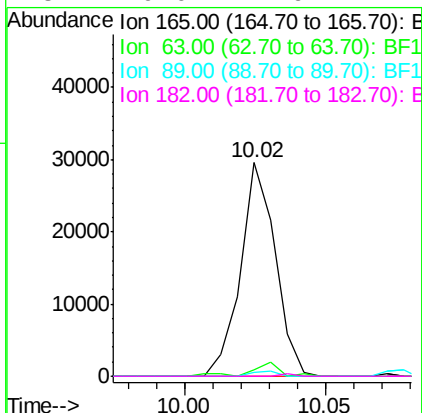
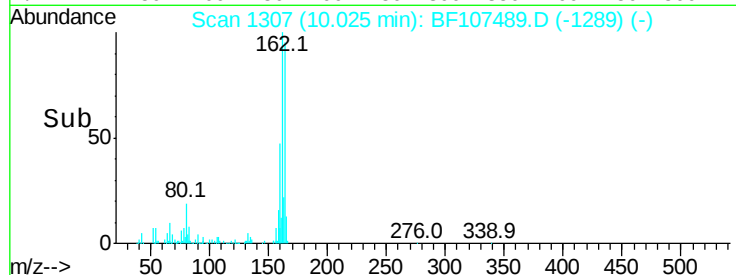
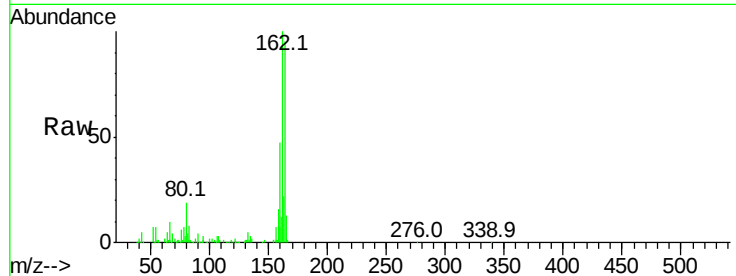
Ion Ratio Lower Upper

165 100

63 3.0 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

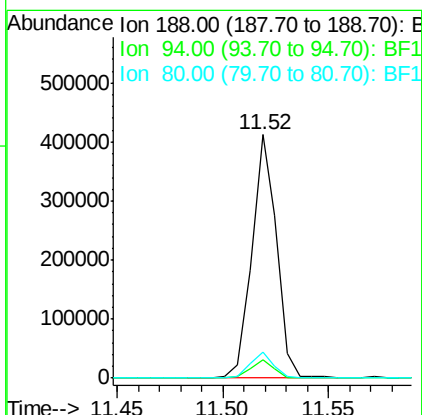
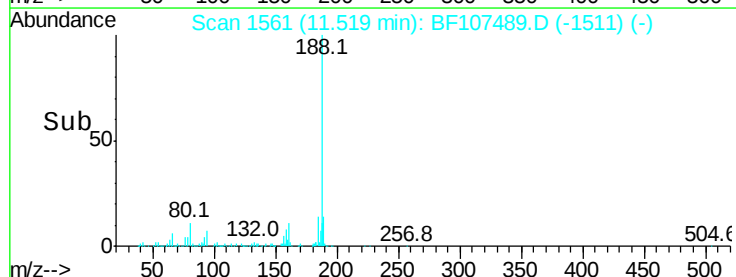
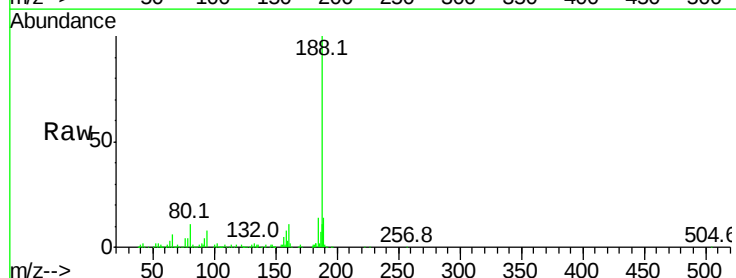
Tgt Ion:188 Resp: 334709

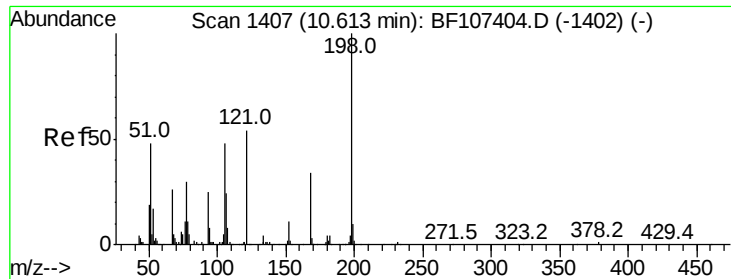
Ion Ratio Lower Upper

188 100

94 7.6 8.5 12.7#

80 10.9 9.2 13.8

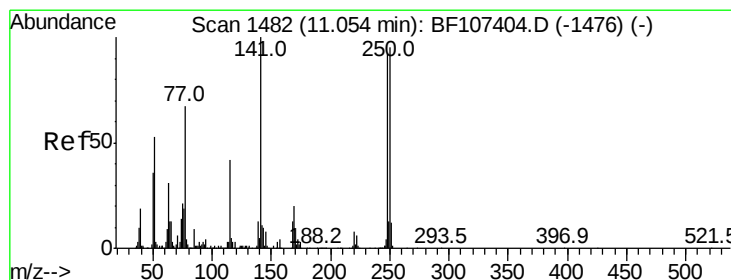
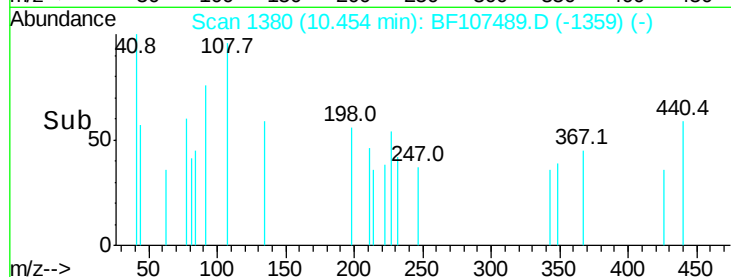
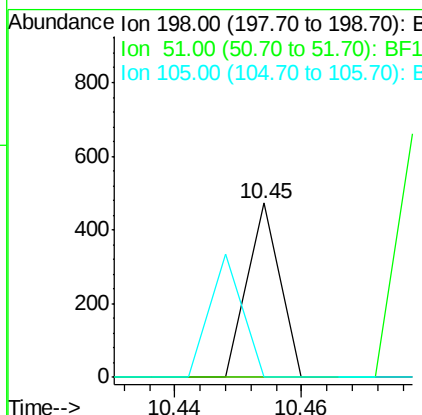
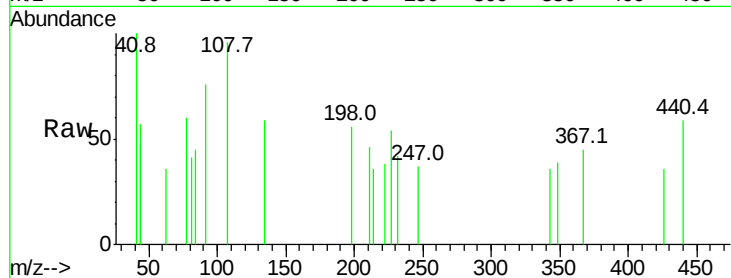




#64
4,6-Dinitro-2-methylphenol
Concen: 7.568 ng
RT: 10.45 min Scan# 1380
Delta R.T. -0.18 min
Lab File: BF107489.D
Acq: 18 Jul 2018 20:27

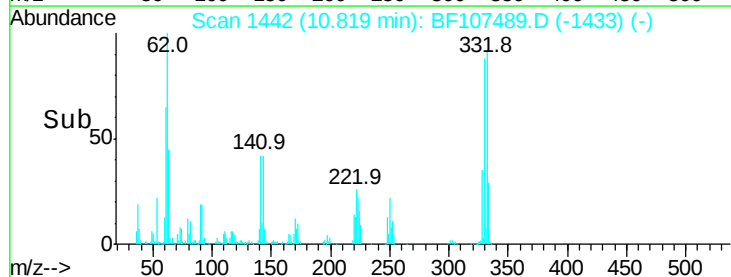
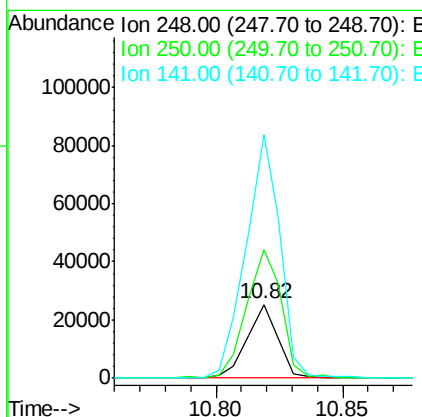
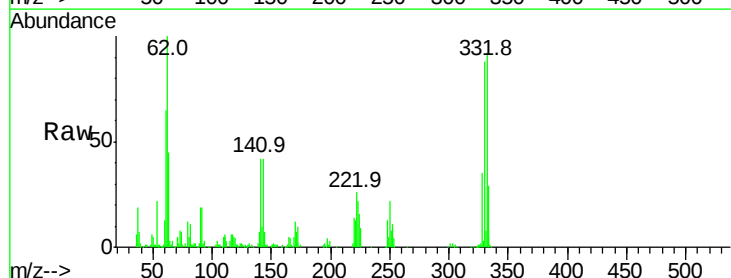
Instrument :
BNA_F
ClientSampleId :

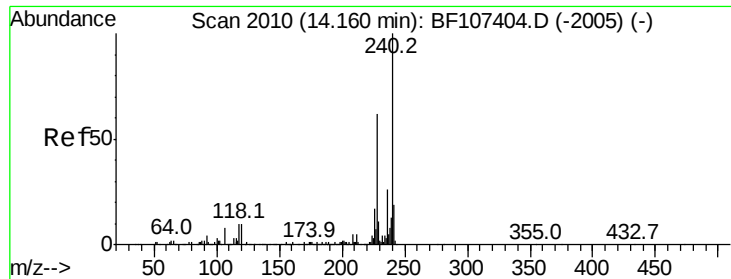
Tot Ion:198 Resp: 167
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 0.0 36.3 76.3#



#66
4-Bromophenyl-phenylether
Concen: 5.593 ng
RT: 10.82 min Scan# 1442
Delta R.T. -0.25 min
Lab File: BF107489.D
Acq: 18 Jul 2018 20:27

Tgt Ion:248 Resp: 21418
Ion Ratio Lower Upper
248 100
250 174.2 76.9 115.3#
141 330.8 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

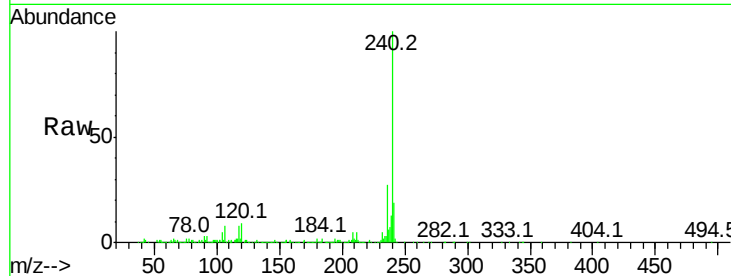
Tot Ion:240 Resp: 284685

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

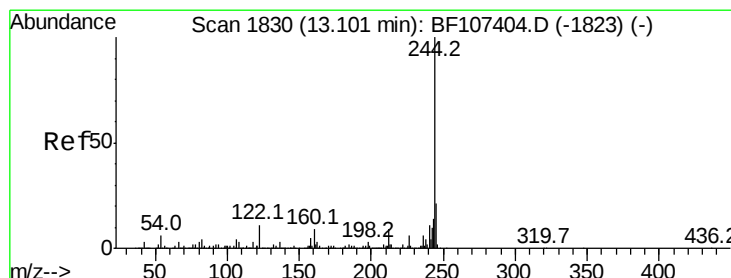
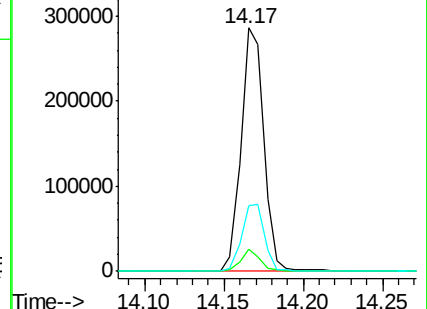
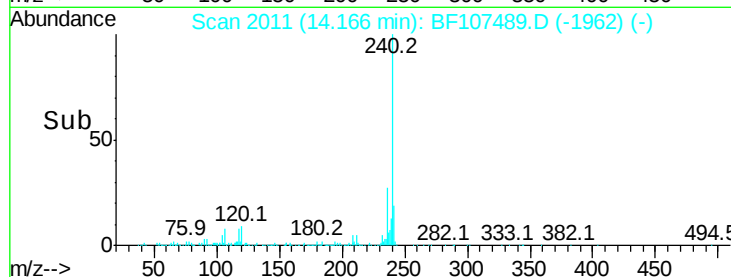
236 27.0 20.7 31.1



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: 77.944 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF107489.D

Acq: 18 Jul 2018 20:27

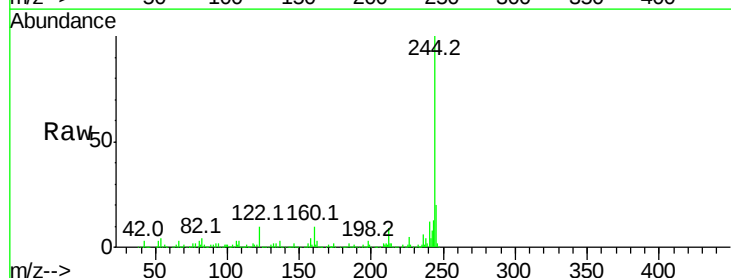
Tgt Ion:244 Resp: 893088

Ion Ratio Lower Upper

244 100

212 9.1 5.4 8.0#

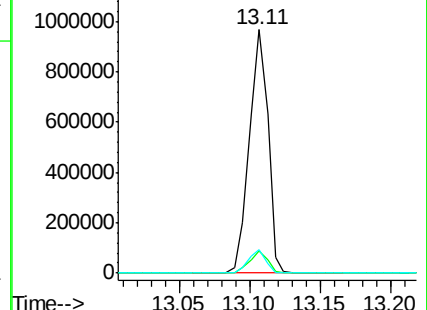
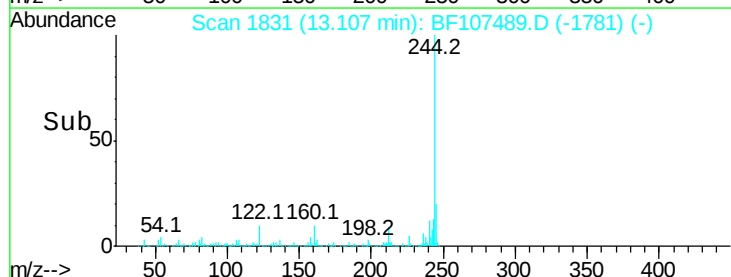
122 9.5 11.0 16.4#

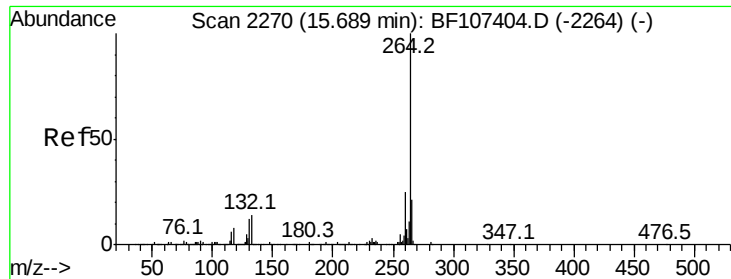


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

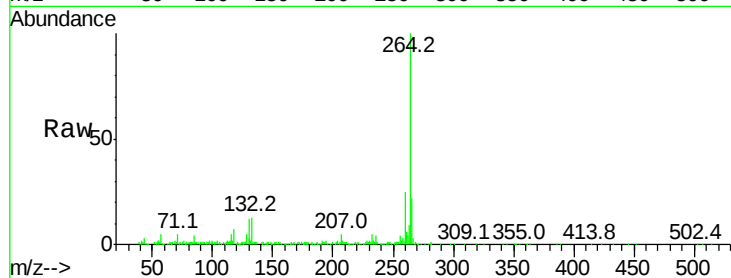




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF107489.D
Acq: 18 Jul 2018 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	233507
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.1	17.5	26.3



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

