

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107569.D
 Acq On : 21 Jul 2018 12:02
 Operator : JU/SJ
 Sample : J4094-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071818-DBRI-E-D-M

Quant Time: Jul 23 03:28:21 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	336448	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1219890	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	459800	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	762089	20.00	ng	0.00
75) Chrysene-d12	14.16	240	738092	20.00	ng	0.00
86) Perylene-d12	15.69	264	587707	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	811250	38.77	ng	0.00
7) Phenol-d6	6.60	99	724183	28.82	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1728799	95.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	384907	73.62	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	2720993	109.55	ng	0.00
78) Terphenyl-d14	13.09	244	1974237	68.48	ng	0.00

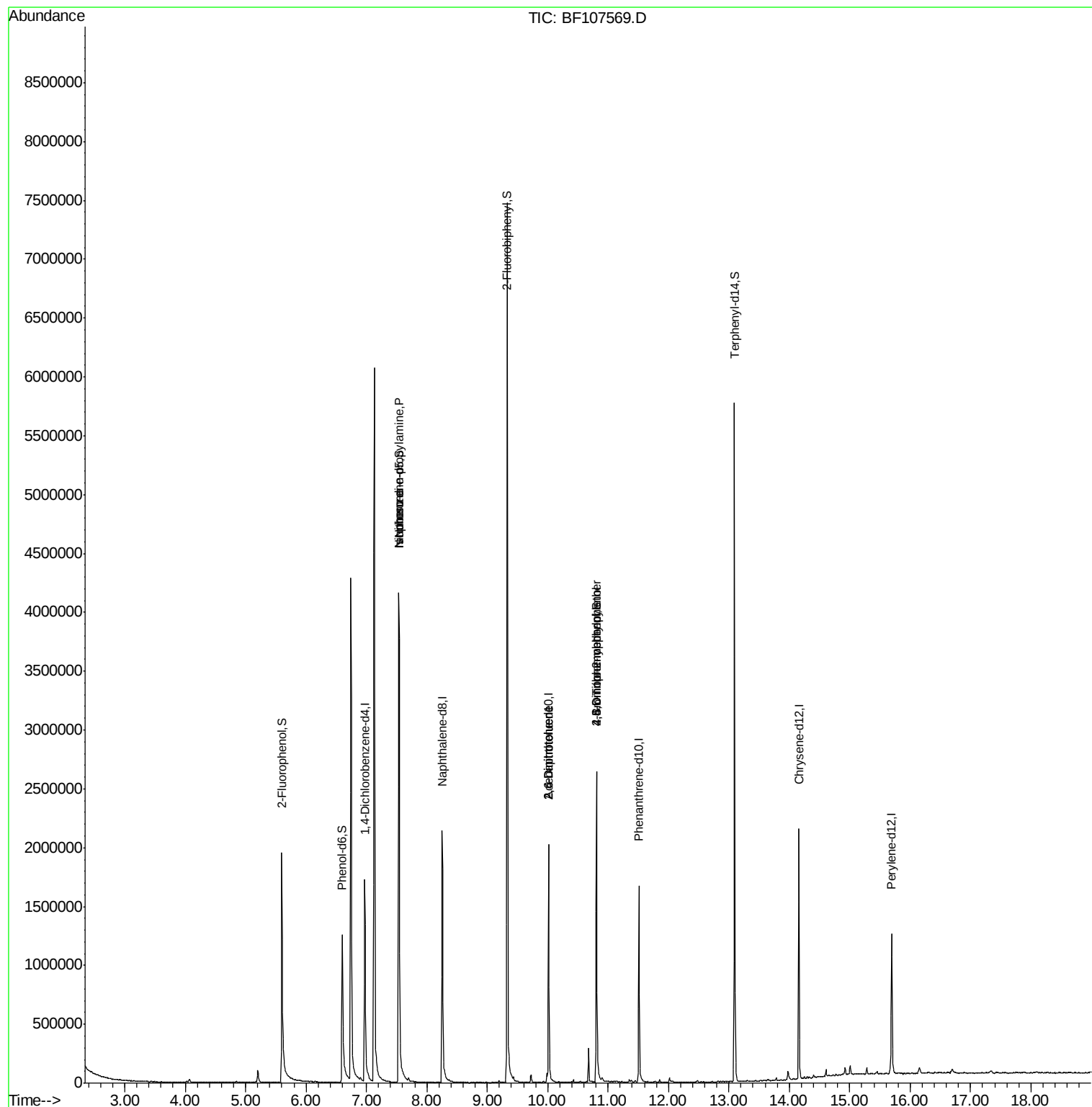
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1091	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	229229	14.122	ng	# 79
25) Isophorone	7.54	82	1728792	44.793	ng	# 64
50) 2,6-Dinitrotoluene	10.01	165	58277	8.470	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	58278	7.017	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	522	8.797	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	23754	2.648	ng	# 1
73) Di-n-butylphthalate	12.05	149	3250	Below Cal	#	92
81) 3,3'-Dichlorobenzidine	14.20	252	117	Below Cal	#	27

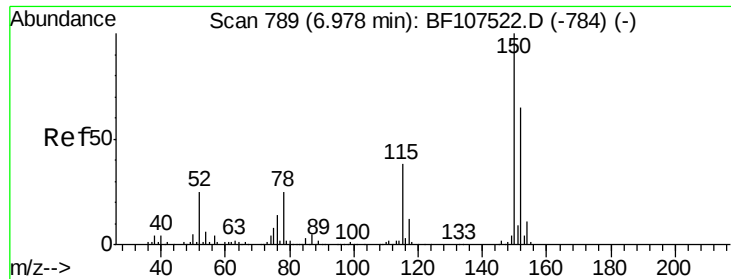
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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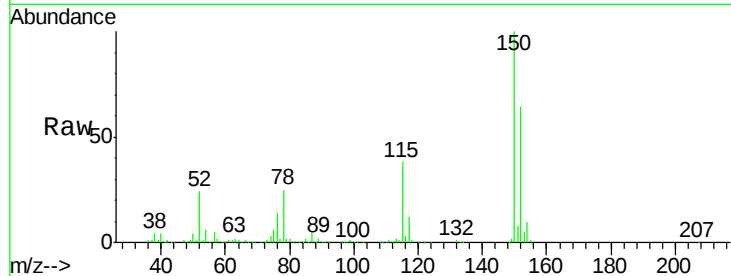


#1

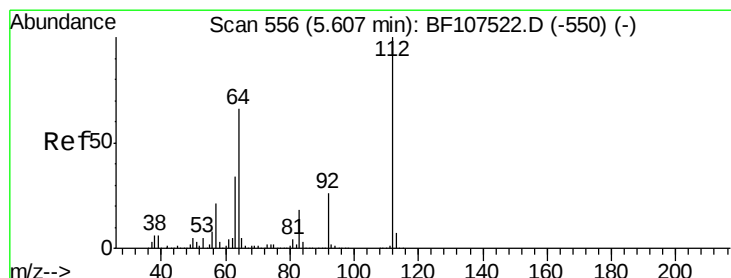
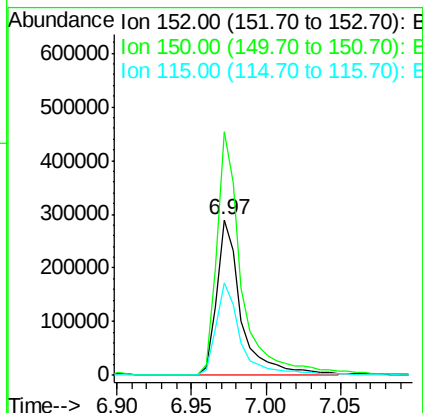
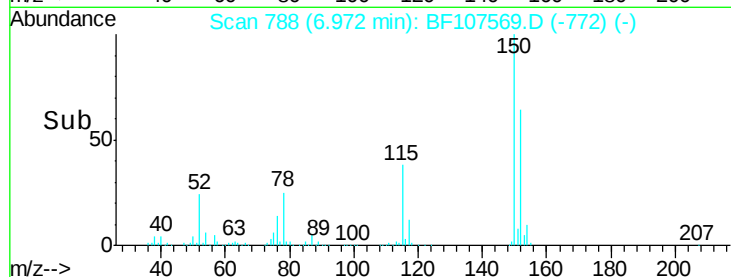
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

Instrument :
 BNA_F
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 071818-DBRI-E-D-M

Tgt Ion:152 Resp: 336448
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.6 186.8
 115 59.8 50.1 75.1



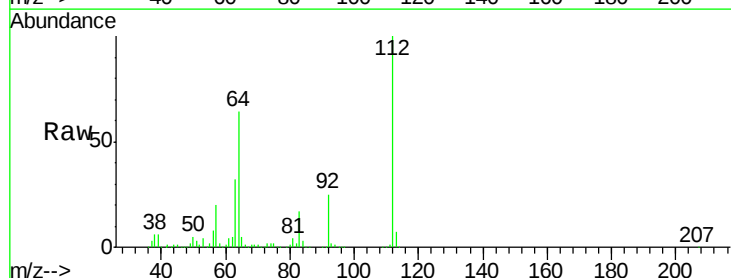
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



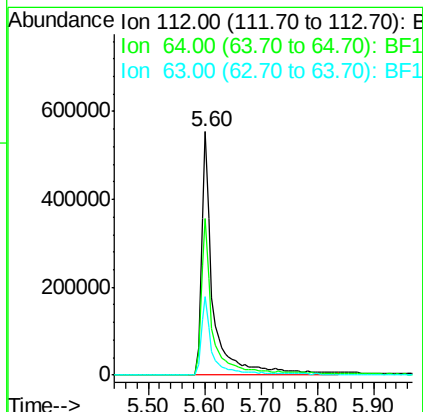
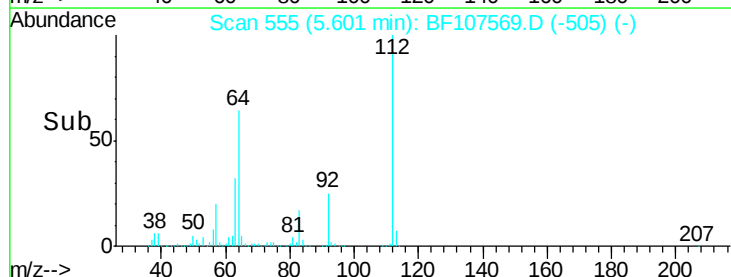
#5

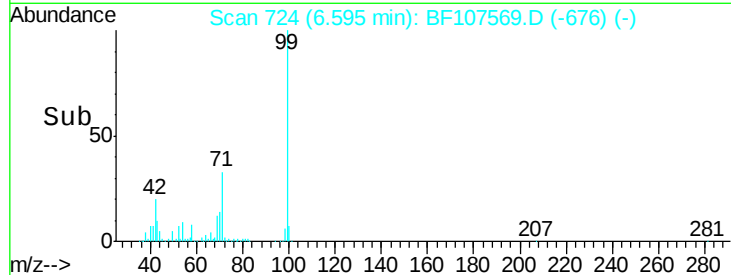
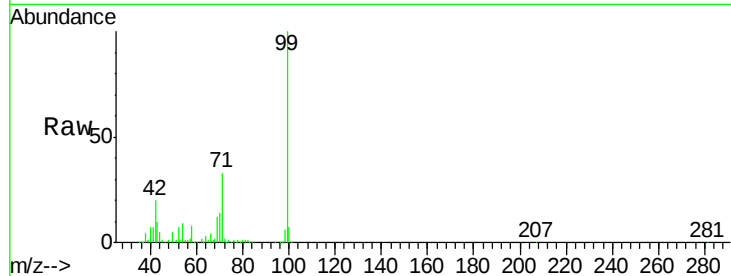
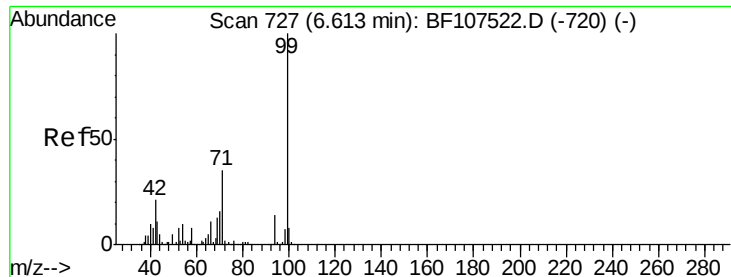
2-Fluorophenol
 Concen: 38.768 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

Tgt Ion:112 Resp: 811250
 Ion Ratio Lower Upper
 112 100
 64 64.4 47.9 71.9
 63 32.4 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: 28.821 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107569.D

Acq: 21 Jul 2018 12:02

Instrument :

BNA_F

ClientSampleId :

071818-DBRI-E-D-M

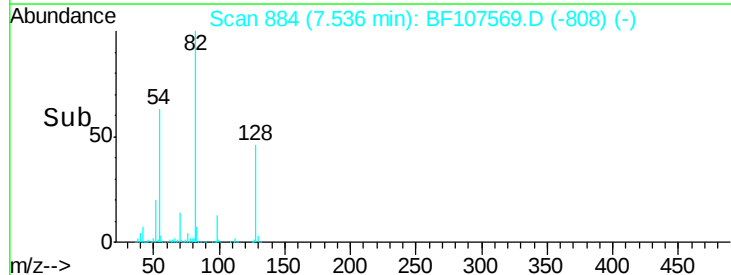
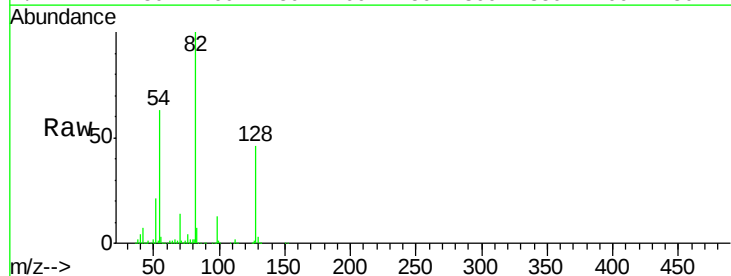
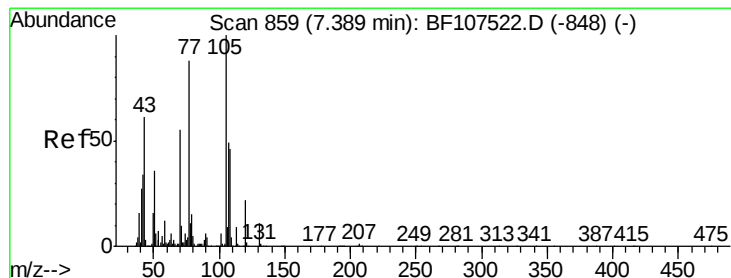
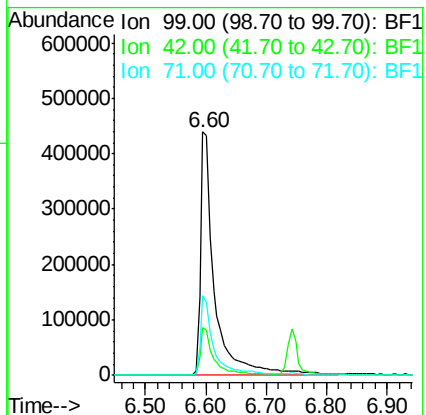
Tgt Ion: 99 Resp: 724183

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.122 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107569.D

Acq: 21 Jul 2018 12:02

Tgt Ion: 70 Resp: 229229

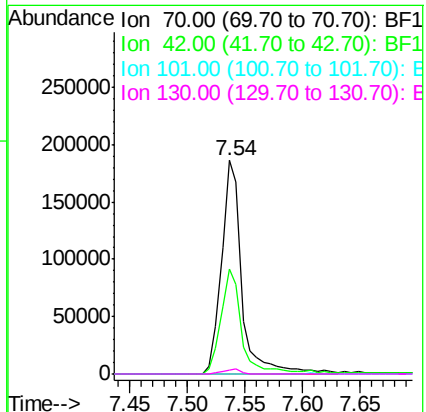
Ion Ratio Lower Upper

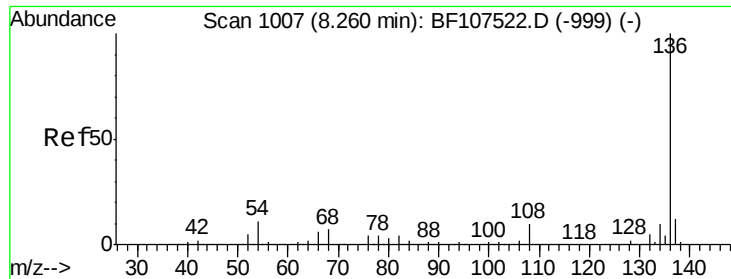
70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

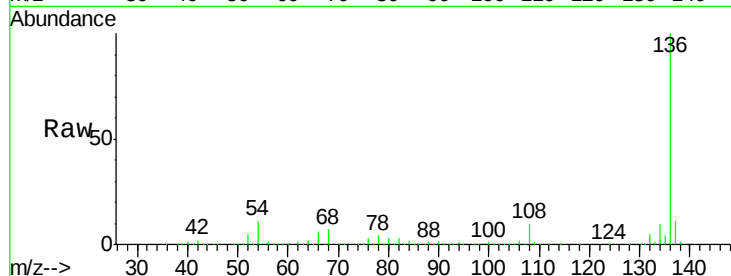




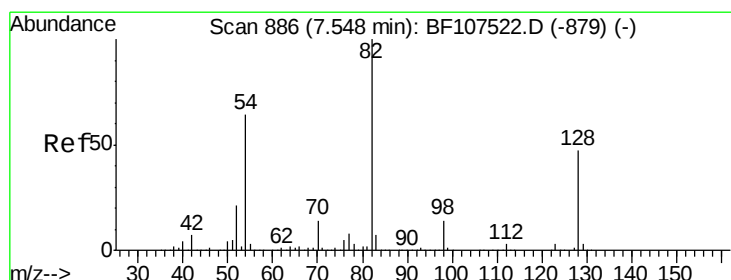
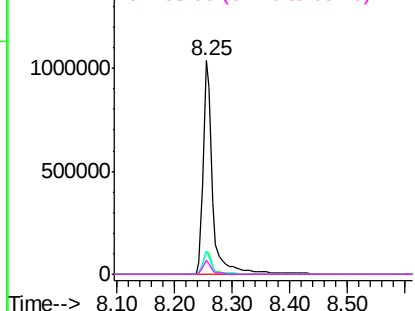
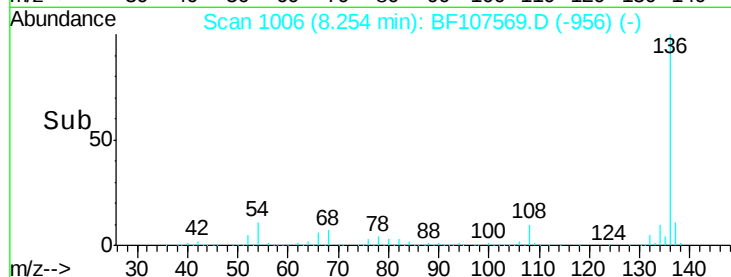
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107569.D
Acq: 21 Jul 2018 12:02

Instrument :
BNA_F
ClientSampleId :
071818-DBRI-E-D-M

Tgt Ion:136 Resp: 1219890
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.7 6.6 9.8#
68 6.7 5.0 7.4

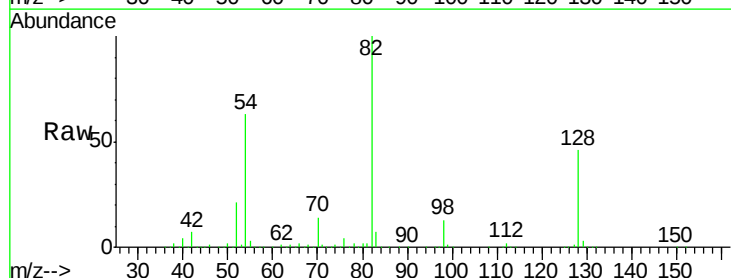


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

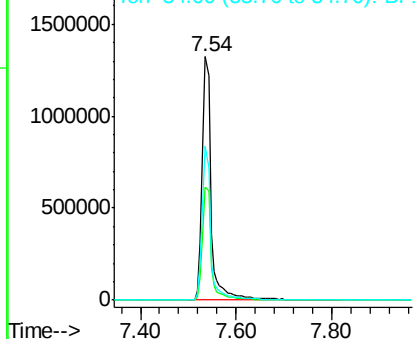
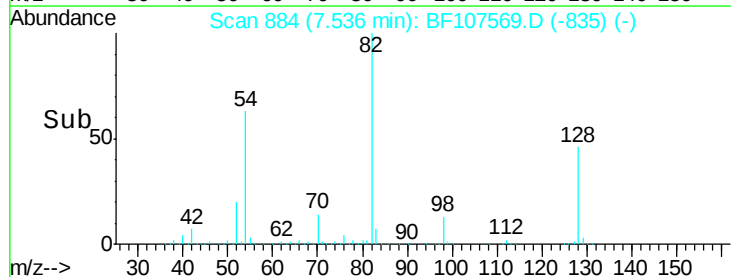


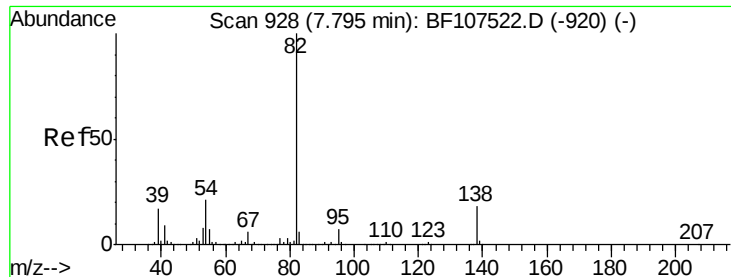
#23
Nitrobenzene-d5
Concen: 95.642 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107569.D
Acq: 21 Jul 2018 12:02

Tgt Ion: 82 Resp: 1728799
Ion Ratio Lower Upper
82 100
128 46.3 36.1 54.1
54 63.5 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

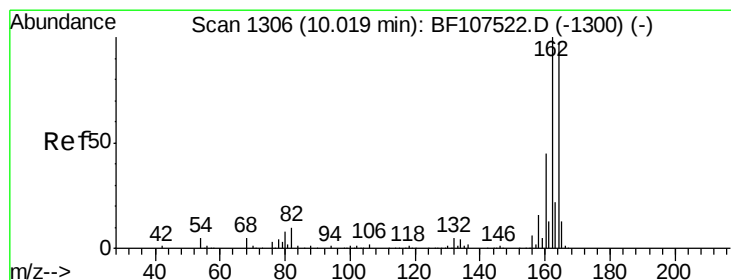
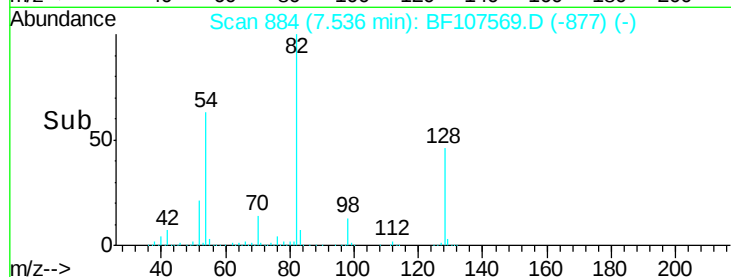
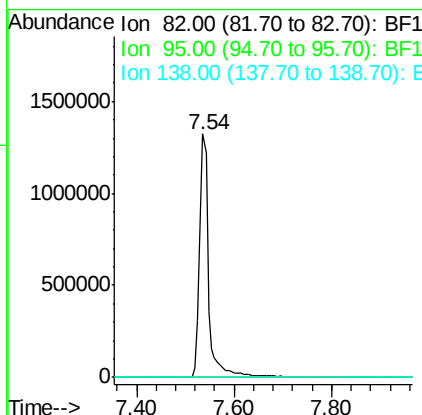
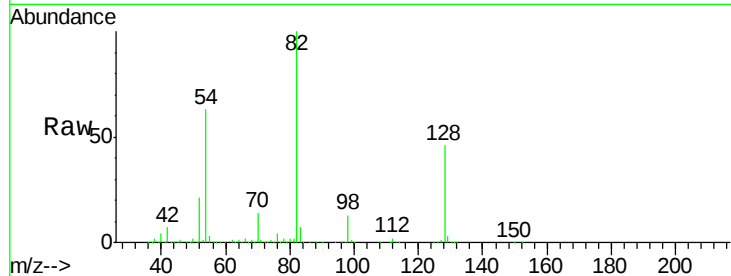




#25
Isophorone
Concen: 44.793 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF107569.D
Acq: 21 Jul 2018 12:02

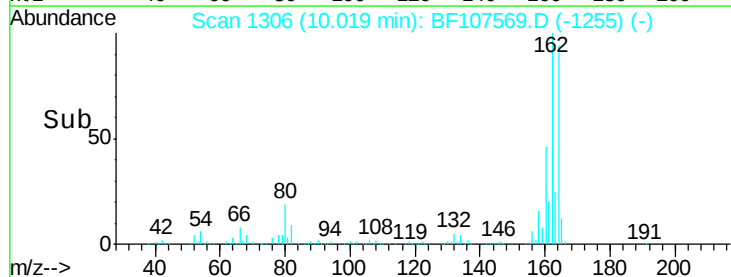
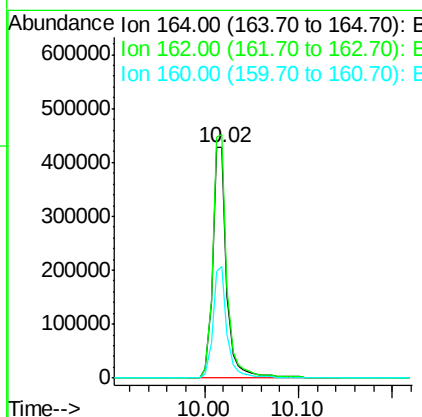
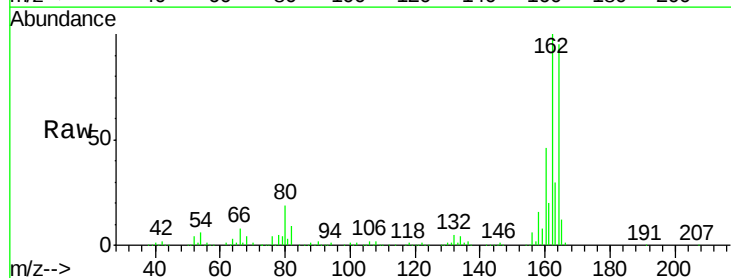
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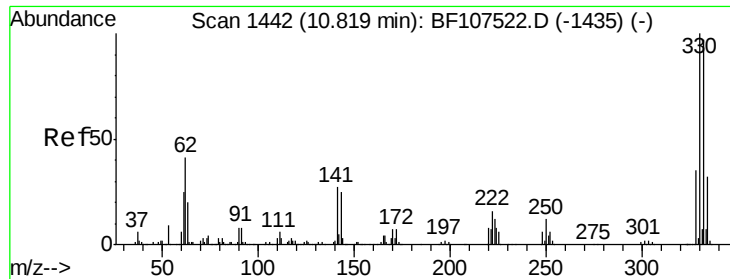
Tgt Ion: 82 Resp: 1728792
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF107569.D
Acq: 21 Jul 2018 12:02

Tgt Ion: 164 Resp: 459800
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 48.5 38.3 57.5

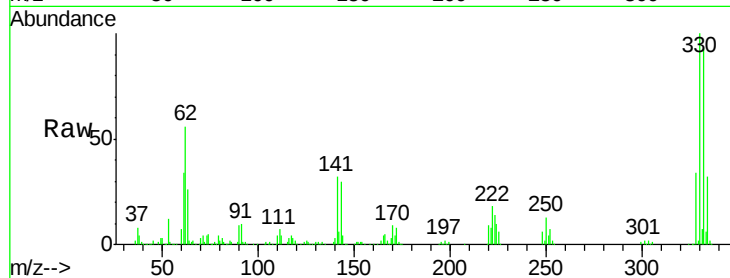




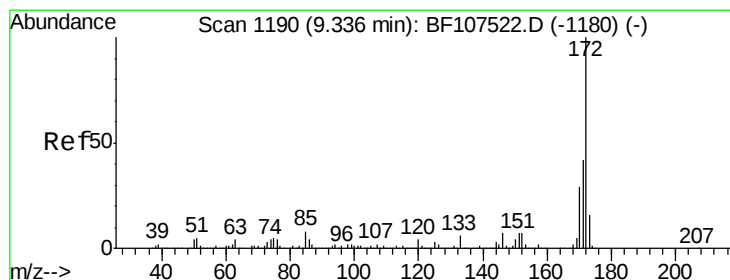
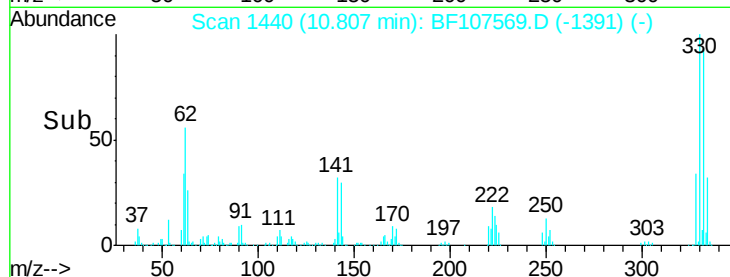
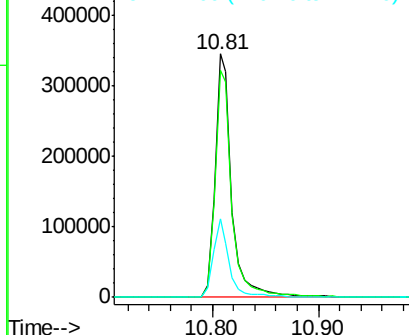
#41
 2,4,6-Tribromophenol
 Concen: 73.615 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

Instrument :
 BNA_F
 ClientSampleId :
 071818-DBRI-E-D-M

Tgt Ion:330 Resp: 384907
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 31.2 29.9 44.9

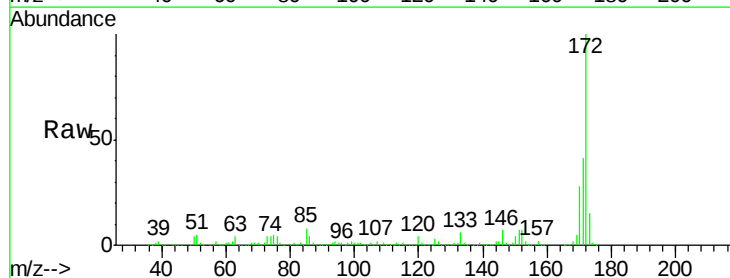


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

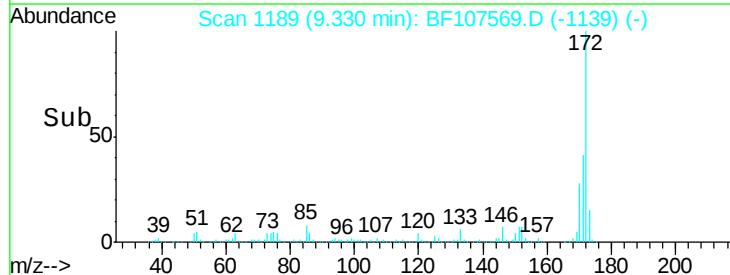
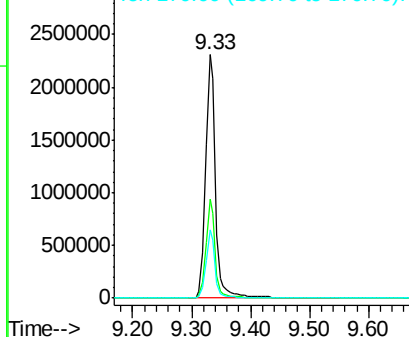


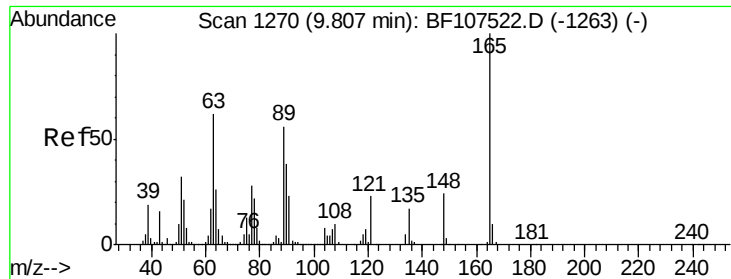
#44
 2-Fluorobiphenyl
 Concen: 109.548 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

Tgt Ion:172 Resp: 2720993
 Ion Ratio Lower Upper
 172 100
 171 40.7 29.7 44.5
 170 27.8 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

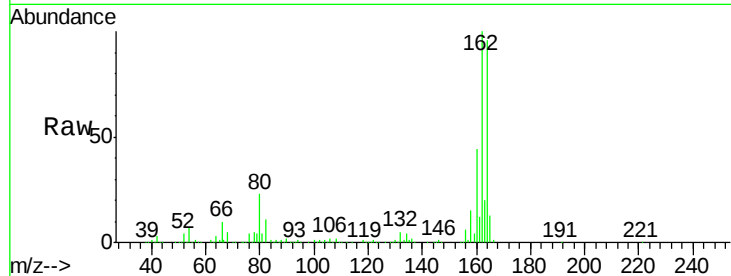




#50
 2,6-Dinitrotoluene
 Concen: 8.470 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. 0.21 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

Instrument :
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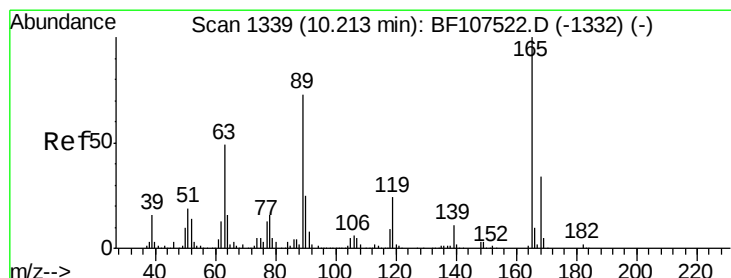
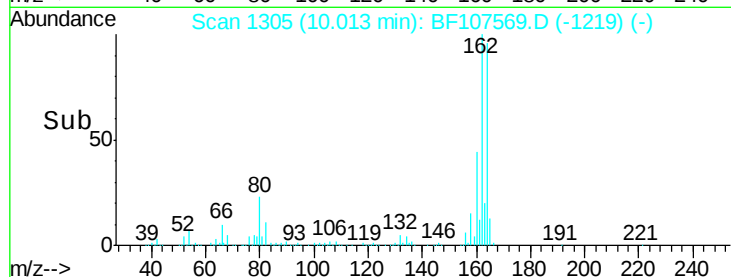
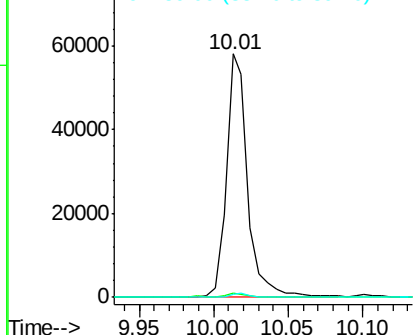
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.3	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 7.017 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

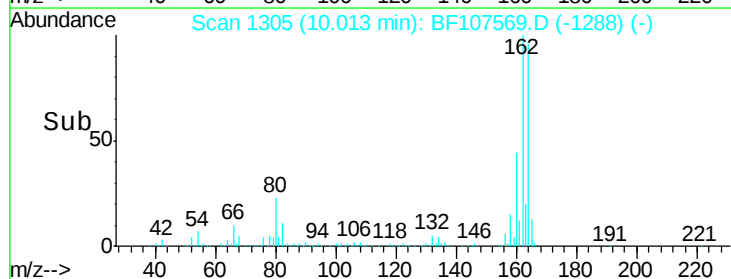
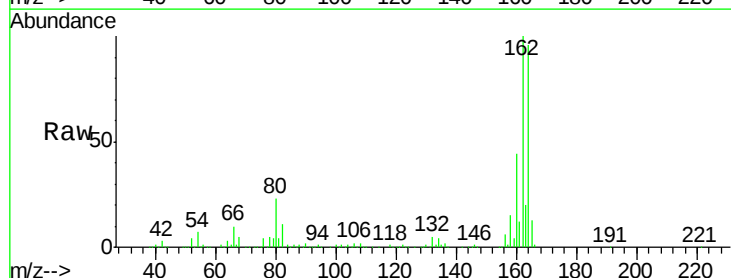
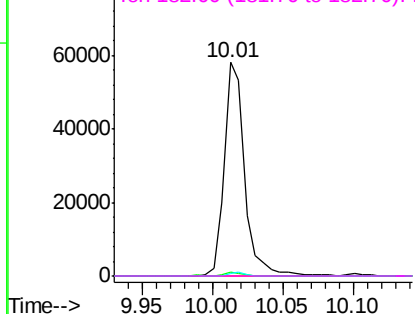
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

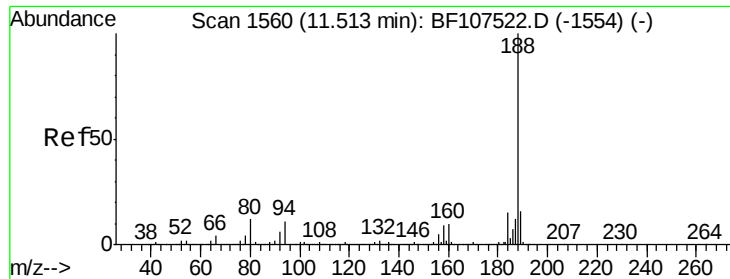
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF107569.D

Acq: 21 Jul 2018 12:02

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ClientSampleId :

071818-DBRI-E-D-M

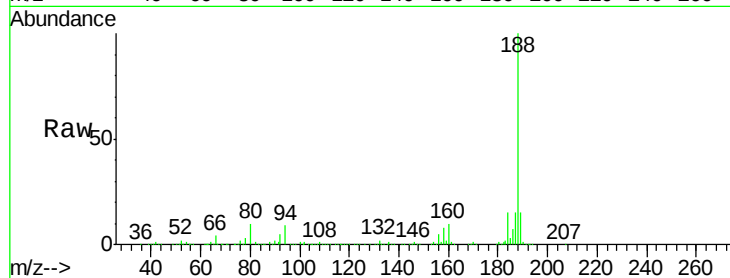
Tgt Ion:188 Resp: 762089

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

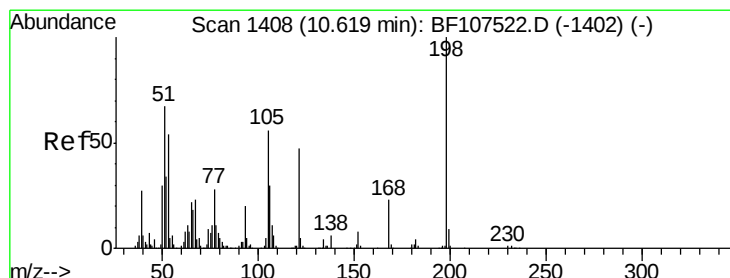
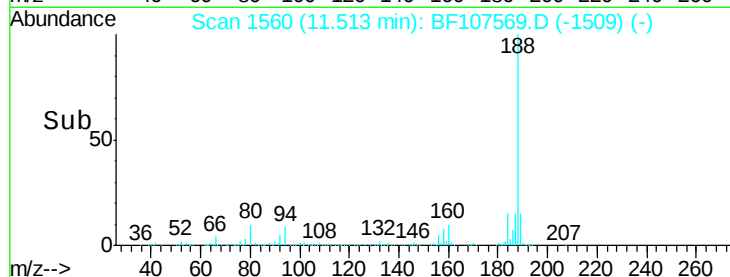
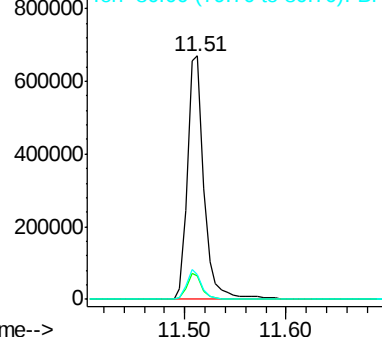
80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.797 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107569.D

Acq: 21 Jul 2018 12:02

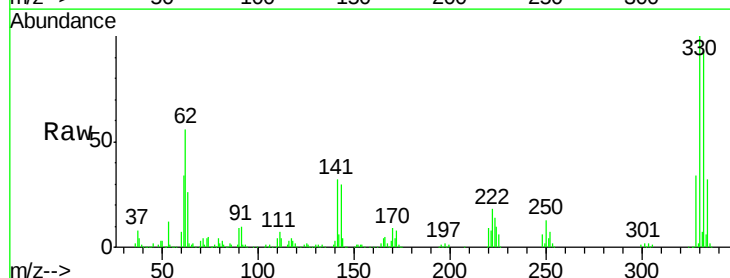
Tgt Ion:198 Resp: 522

Ion Ratio Lower Upper

198 100

51 209.4 37.7 77.7#

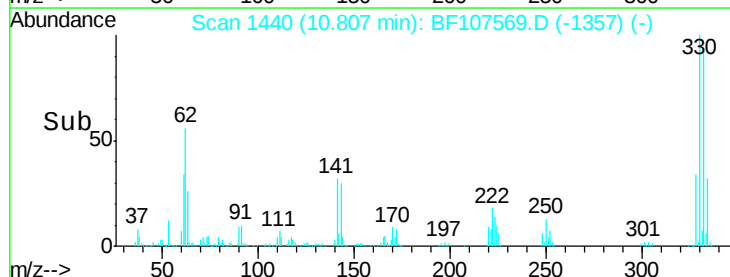
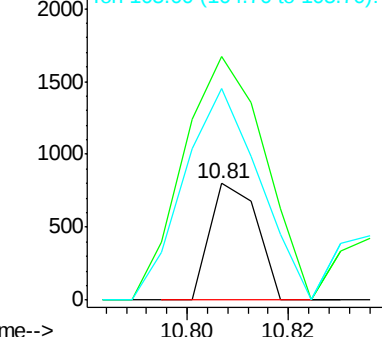
105 182.5 36.3 76.3#

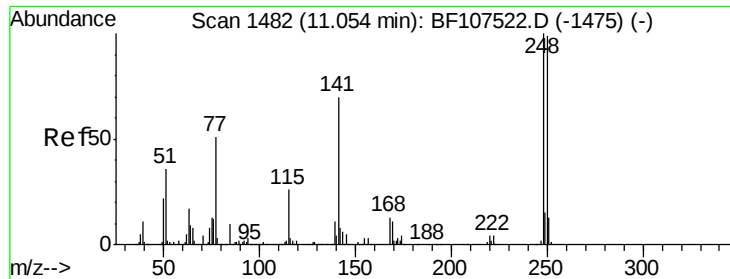


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

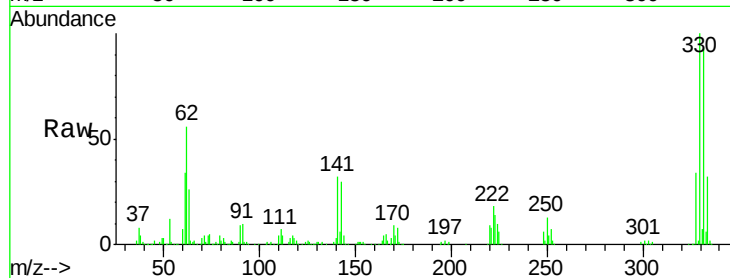




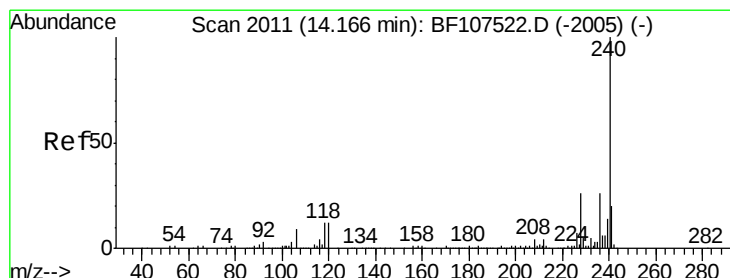
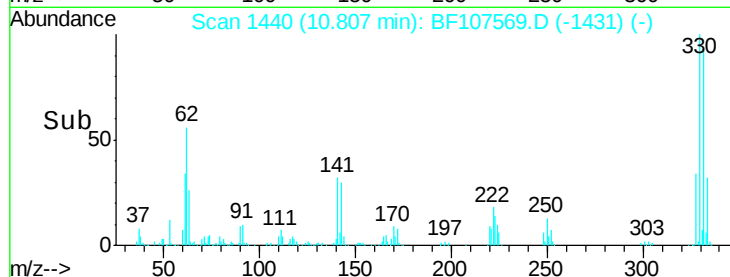
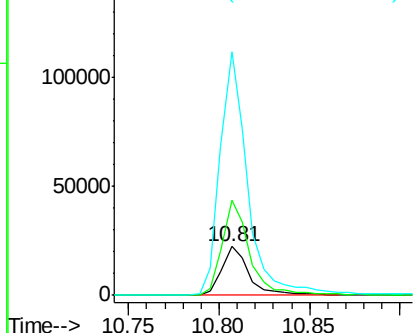
#66
 4-Bromophenyl-phenylether
 Concen: 2.648 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

Instrument :
 BNA_F
 ClientSampleId :
 071818-DBRI-E-D-M

Tgt Ion:248 Resp: 23754
 Ion Ratio Lower Upper
 248 100
 250 195.7 76.9 115.3#
 141 499.5 74.4 111.6#

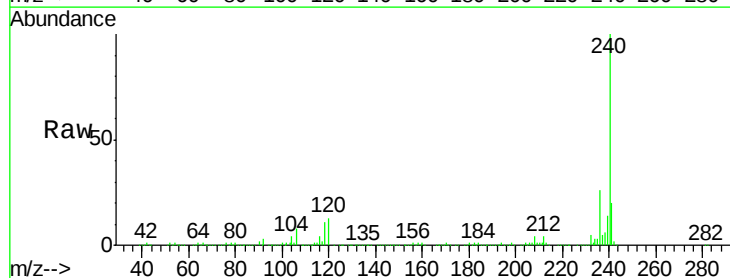


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

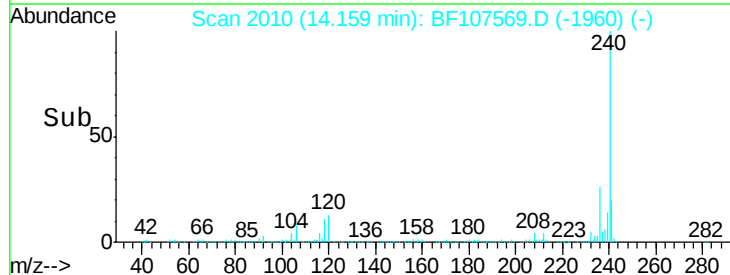
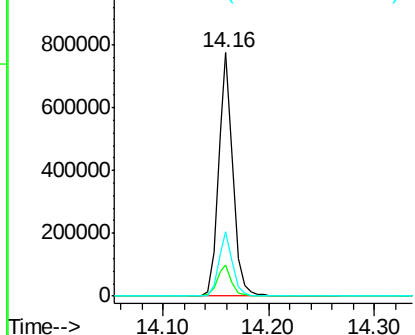


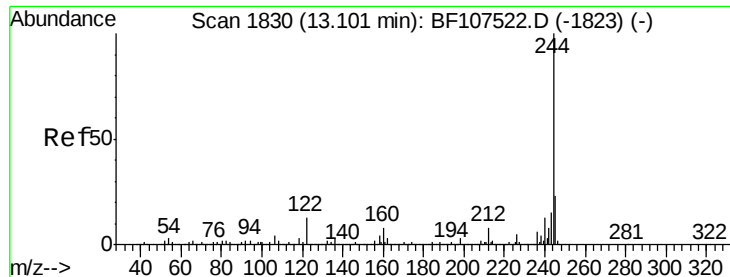
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF107569.D
 Acq: 21 Jul 2018 12:02

Tgt Ion:240 Resp: 738092
 Ion Ratio Lower Upper
 240 100
 120 12.9 9.5 14.3
 236 26.3 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: 68.477 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107569.D

Acq: 21 Jul 2018 12:02

Instrument :

BNA_F

ClientSampleId :

071818-DBRI-E-D-M

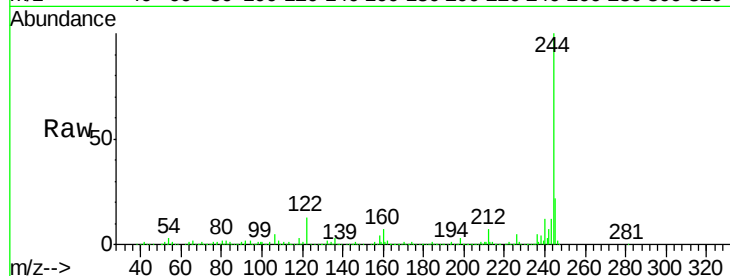
Tgt Ion:244 Resp: 1974237

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

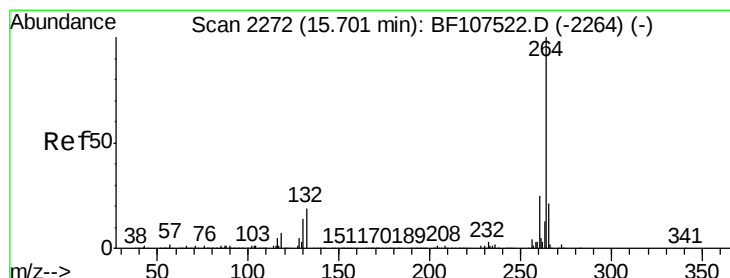
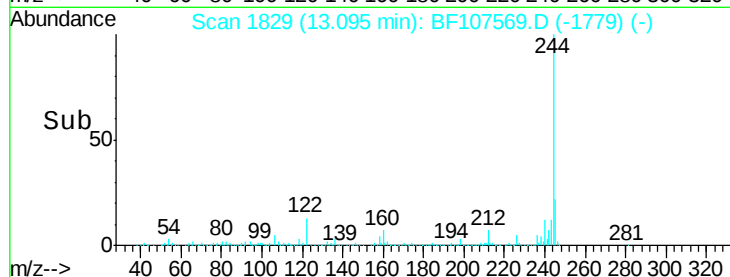
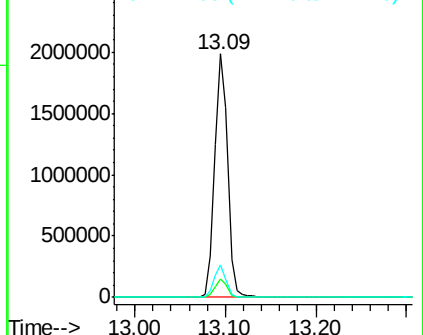
122 13.1 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF107569.D

Acq: 21 Jul 2018 12:02

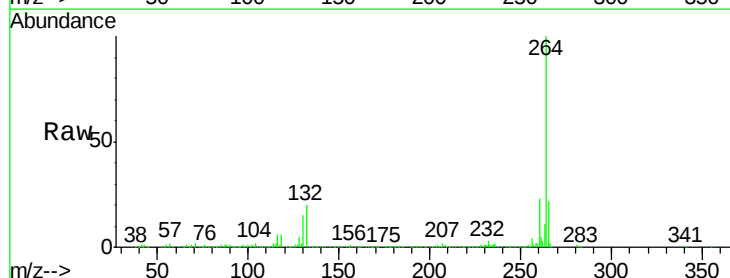
Tgt Ion:264 Resp: 587707

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.0 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

