

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107560.D
 Acq On : 21 Jul 2018 8:03
 Operator : JU/SJ
 Sample : J4061-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-D-S

Quant Time: Jul 23 03:26:38 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	287308	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	946893	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	329752	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	670219	20.00	ng	0.00
75) Chrysene-d12	14.16	240	745306	20.00	ng	0.00
86) Perylene-d12	15.69	264	552935	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	753876	42.19	ng	0.00
7) Phenol-d6	6.60	99	677935	31.60	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1514612	107.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	366423	97.72	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	2212563	134.51	ng	0.00
78) Terphenyl-d14	13.09	244	2320689	79.71	ng	0.00

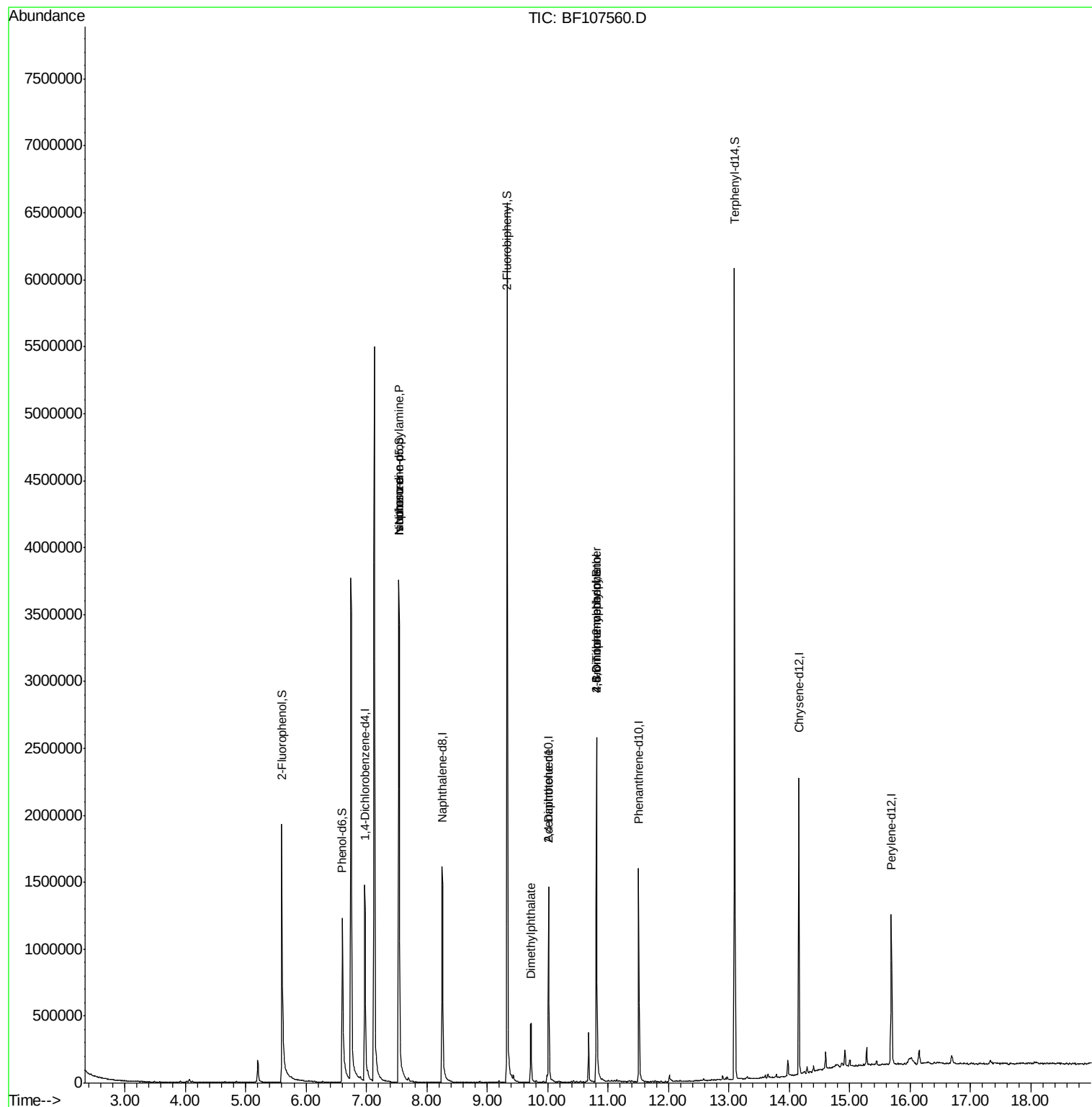
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1085	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	206268	14.881	ng	# 79
25) Isophorone	7.54	82	1514602	50.558	ng	# 64
49) Dimethylphthalate	9.72	163	224140	9.019	ng	100
56) 2,4-Dinitrotoluene	10.01	165	43407	7.288	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	599	8.832	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	21717	2.753	ng	# 1
73) Di-n-butylphthalate	12.06	149	1376	Below Cal	#	78

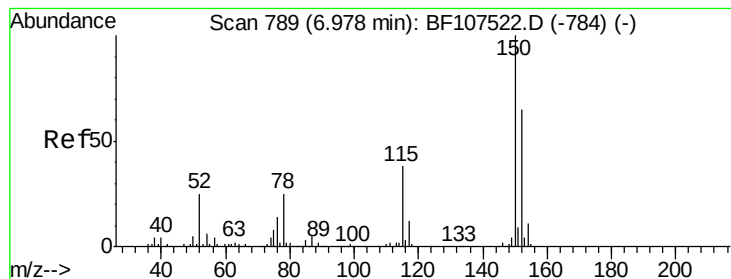
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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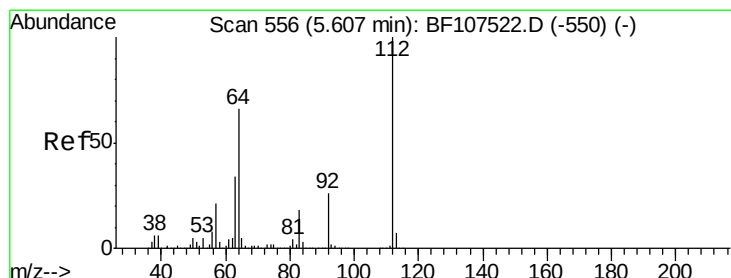
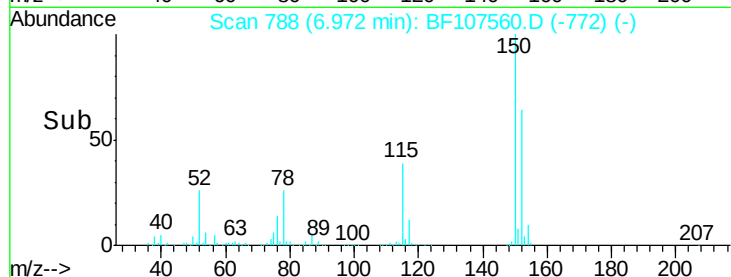
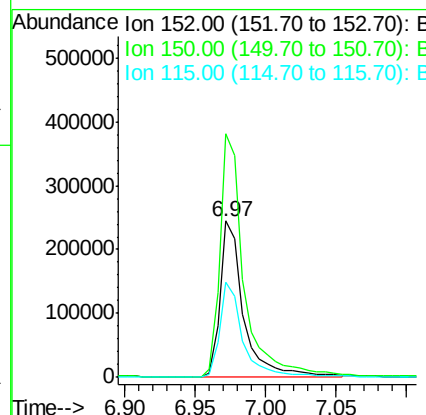
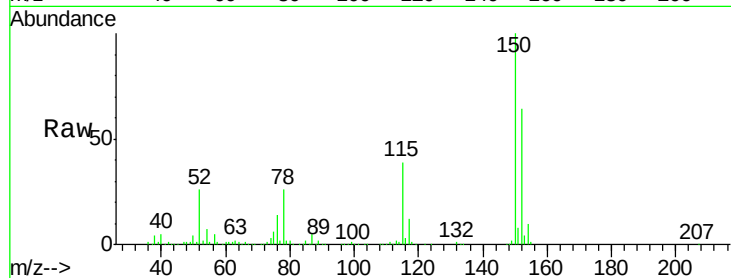


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107560.D
Acq: 21 Jul 2018 8:03

Instrument :
BNA_F
ClientSampleId :
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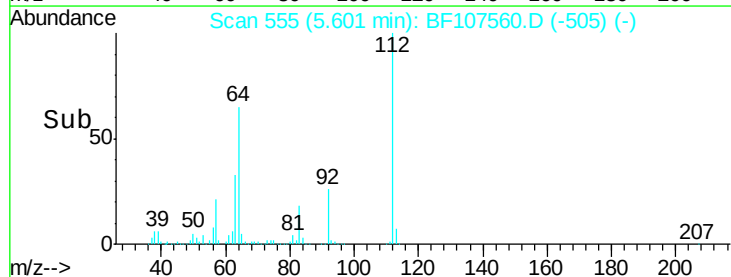
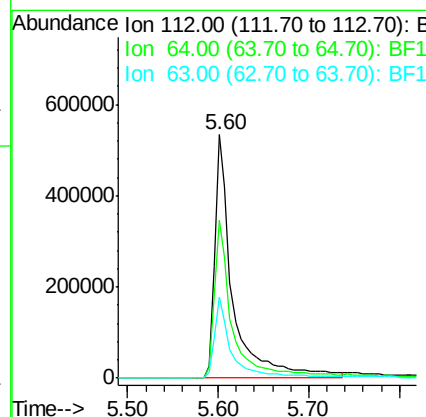
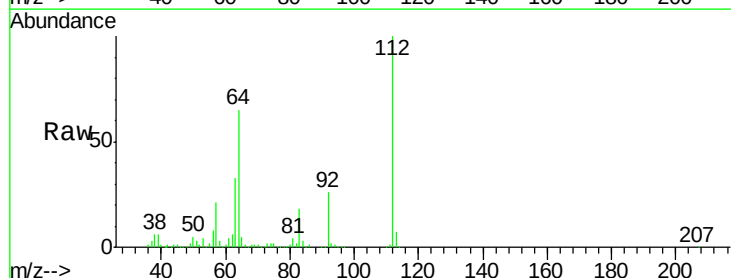
Tgt Ion:152 Resp: 287308
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 60.9 50.1 75.1

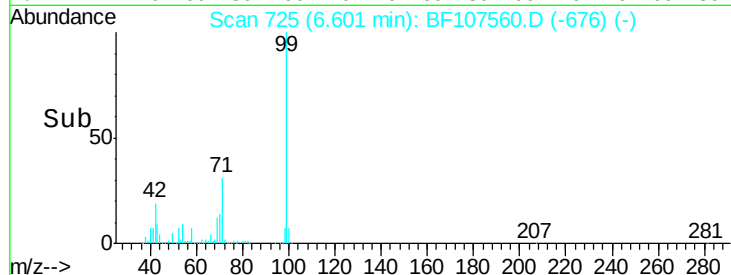
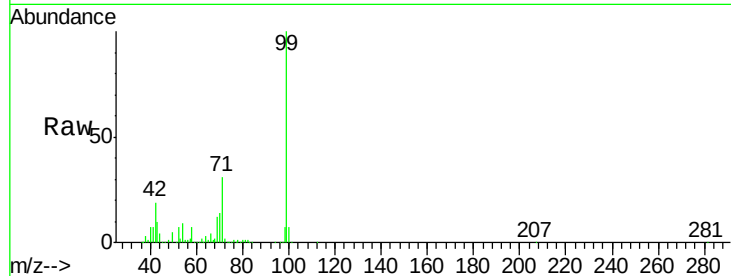
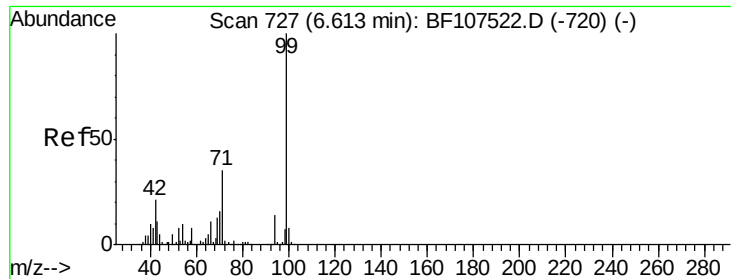


#5

2-Fluorophenol
Concen: 42.188 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107560.D
Acq: 21 Jul 2018 8:03

Tgt Ion:112 Resp: 753876
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 33.3 23.7 35.5





#7

Phenol-d6

Concen: 31.596 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-S

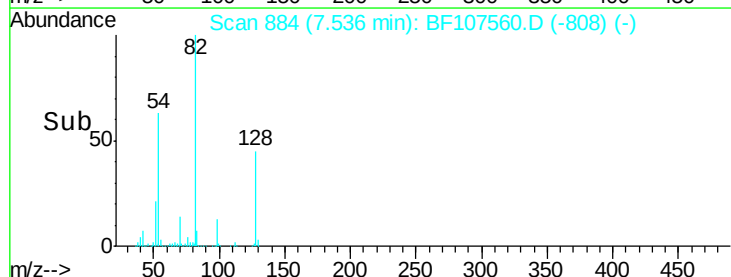
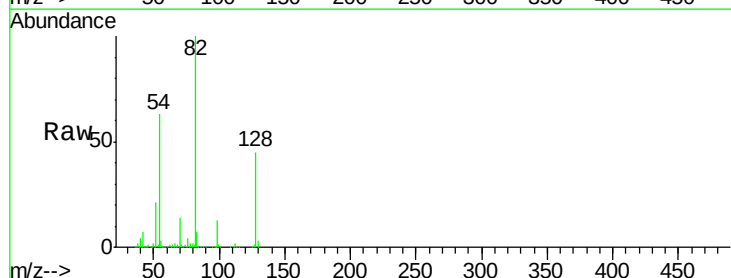
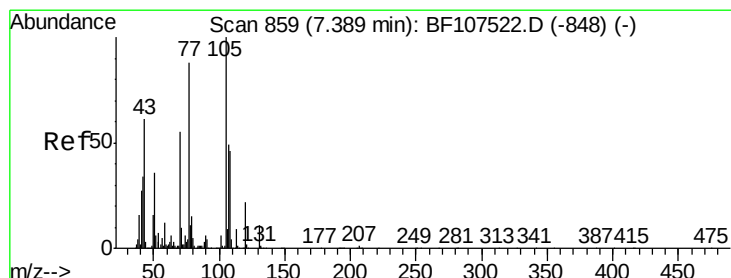
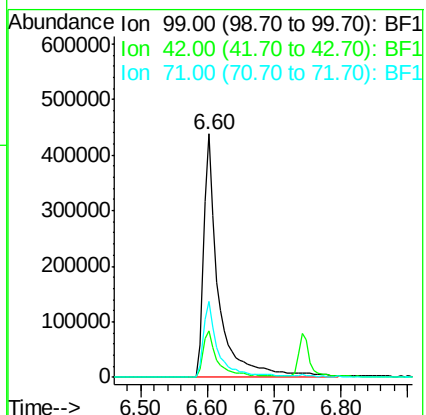
Tgt Ion: 99 Resp: 677935

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 31.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.881 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

Tgt Ion: 70 Resp: 206268

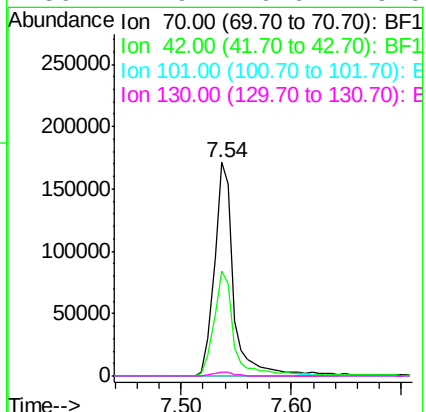
Ion Ratio Lower Upper

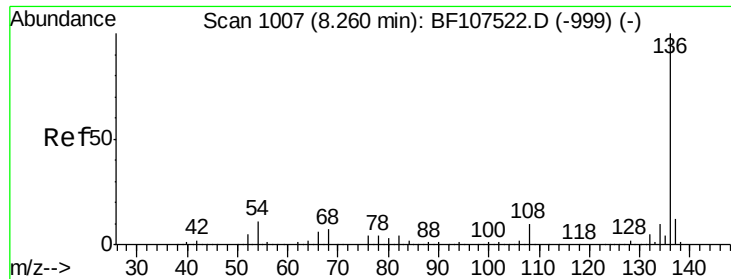
70 100

42 49.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

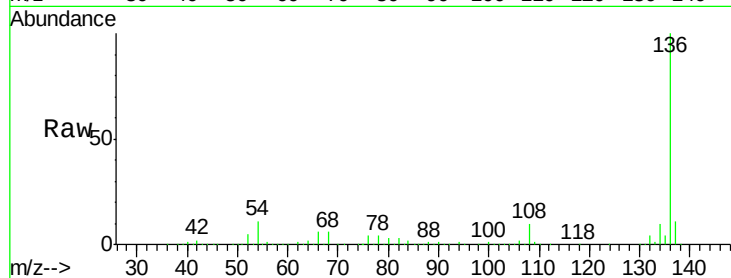




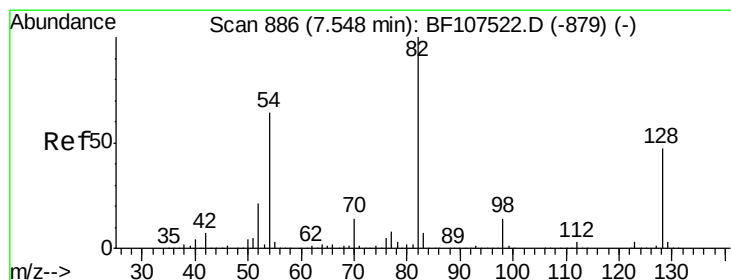
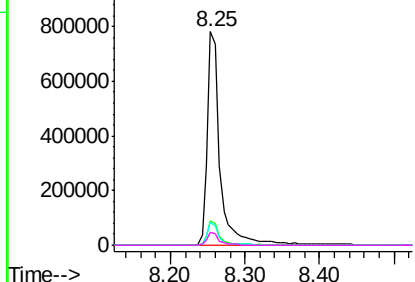
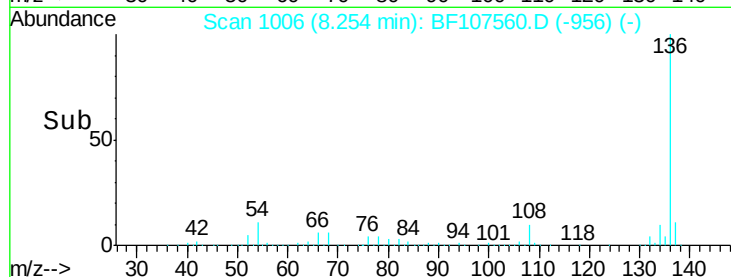
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107560.D
Acq: 21 Jul 2018 8:03

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-D-S

Tgt Ion: 136 Resp: 946893
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 11.0 6.6 9.8#
68 6.3 5.0 7.4

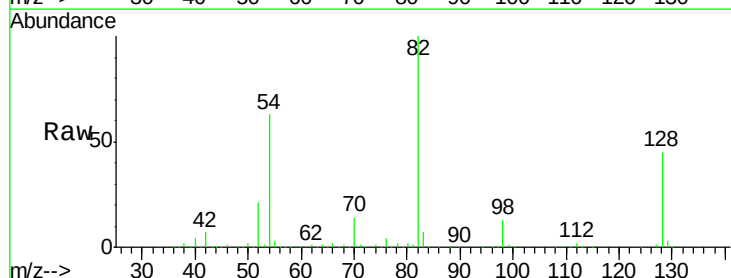


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
Ion 68.00 (67.70 to 68.70): BF1
600000
400000
200000
0

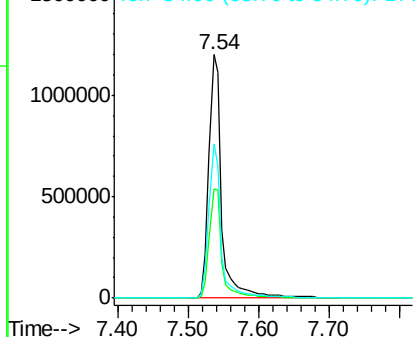
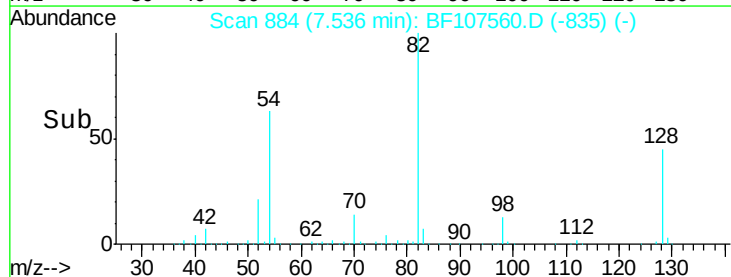


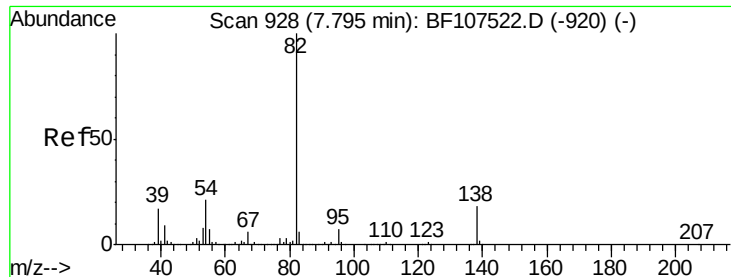
#23
Nitrobenzene-d5
Concen: 107.951 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107560.D
Acq: 21 Jul 2018 8:03

Tgt Ion: 82 Resp: 1514612
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 63.4 41.4 62.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
500000
0





#25

Isophorone

Concen: 50.558 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-S

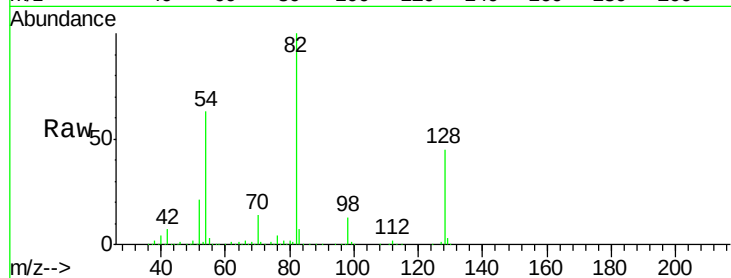
Tgt Ion: 82 Resp: 1514602

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

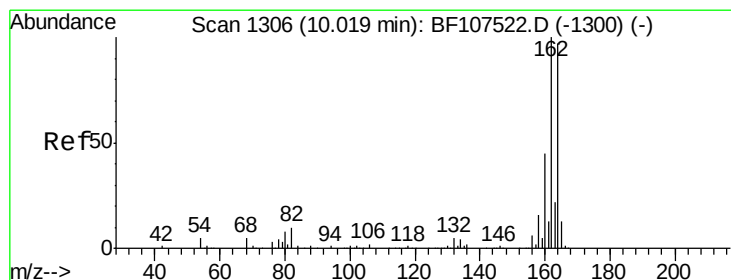
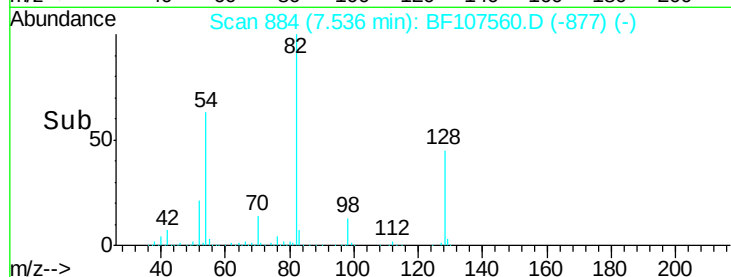
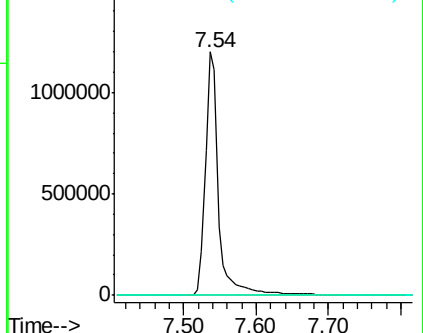
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 10.01 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

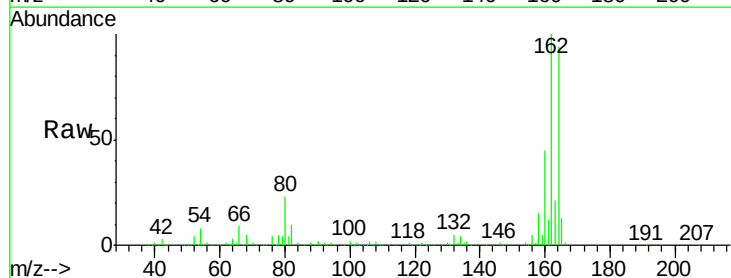
Tgt Ion: 164 Resp: 329752

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

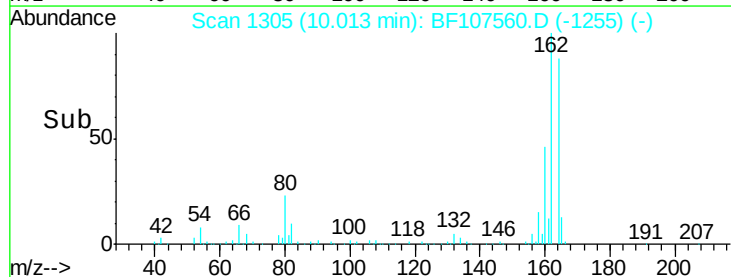
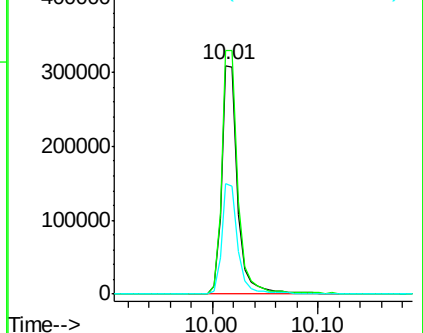
160 48.2 38.3 57.5

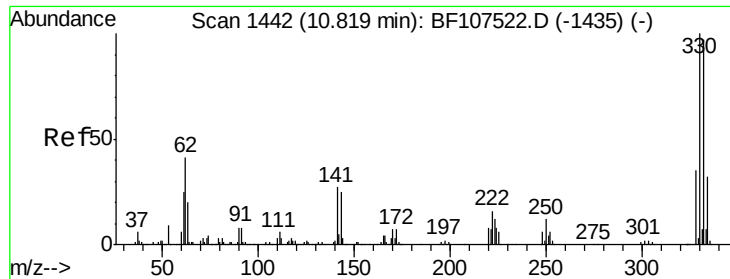


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

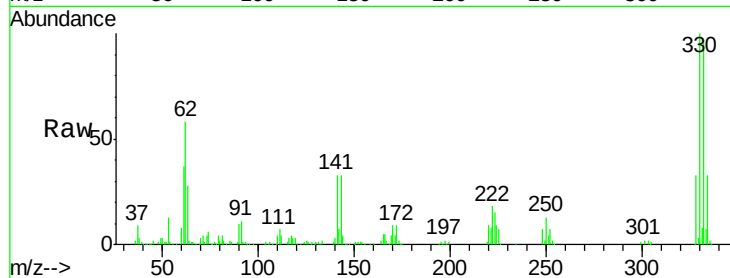




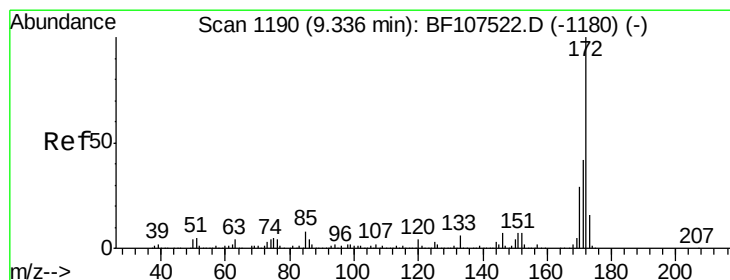
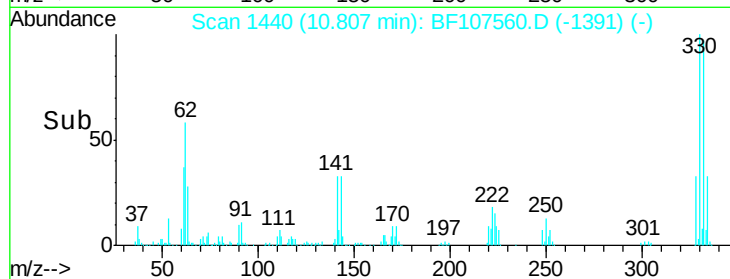
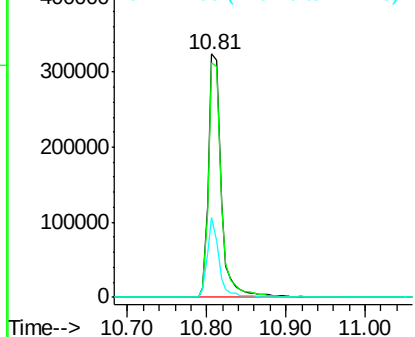
#41
 2,4,6-Tribromophenol
 Concen: 97.718 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107560.D
 Acq: 21 Jul 2018 8:03

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Tgt Ion:330 Resp: 366423
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 30.4 29.9 44.9

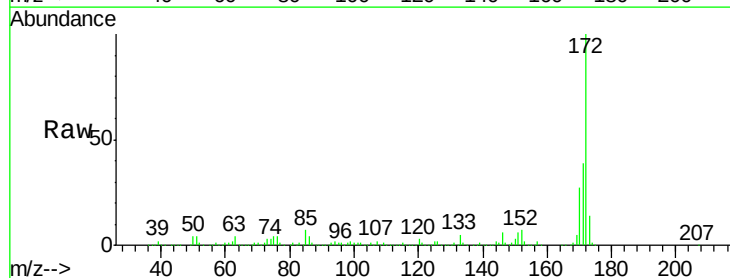


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

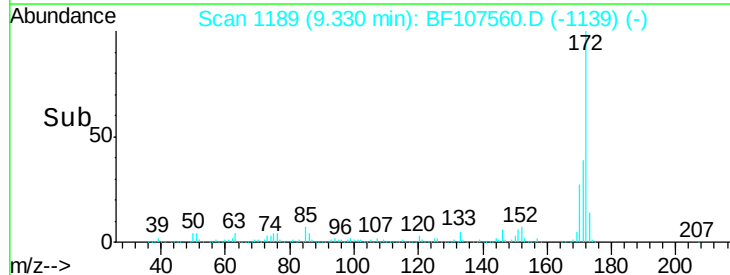
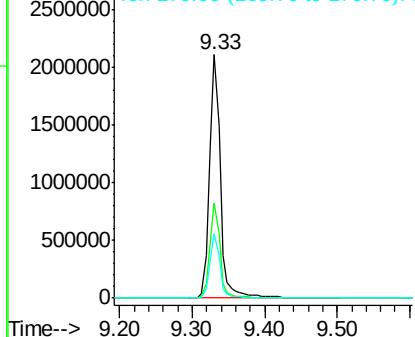


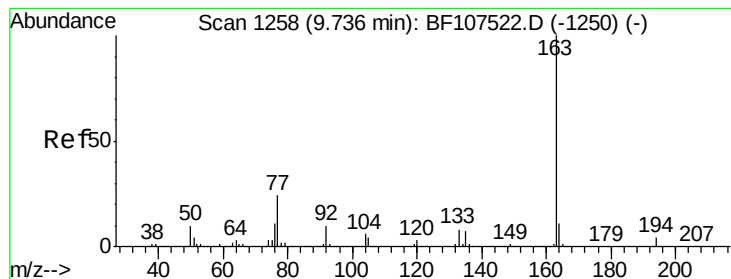
#44
 2-Fluorobiphenyl
 Concen: 134.506 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107560.D
 Acq: 21 Jul 2018 8:03

Tgt Ion:172 Resp: 2212563
 Ion Ratio Lower Upper
 172 100
 171 39.1 29.7 44.5
 170 26.6 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: 9.019 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

Instrument :

BNA_F

ClientSampleId :

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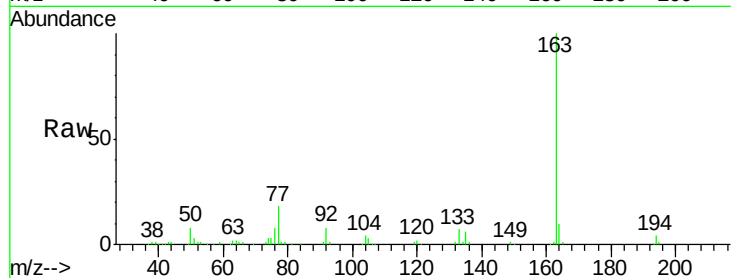
Tgt Ion:163 Resp: 224140

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

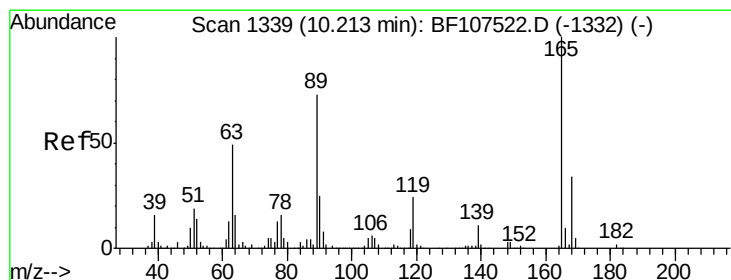
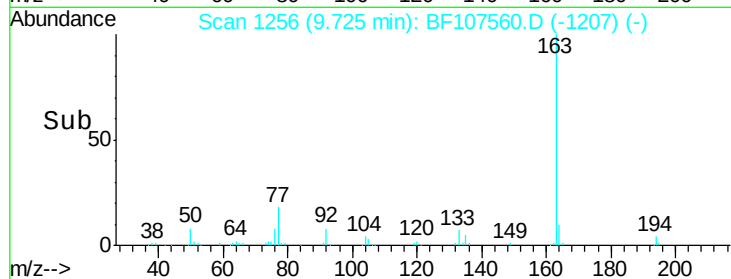
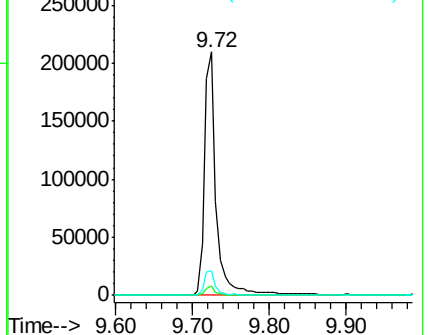
164 10.1 8.2 12.2



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: 7.288 ng

RT: 10.01 min Scan# 1305

Delta R.T. -0.20 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

Tgt Ion:165 Resp: 43407

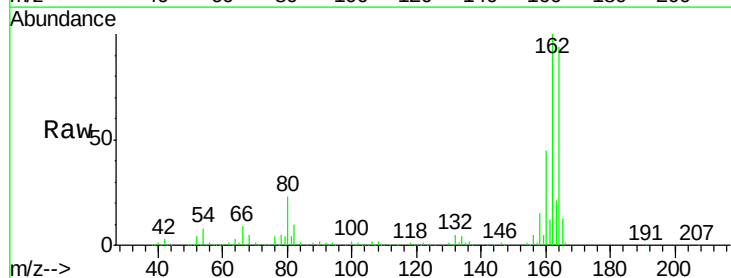
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 0.9 57.8 86.6#

182 0.0 1.6 2.4#

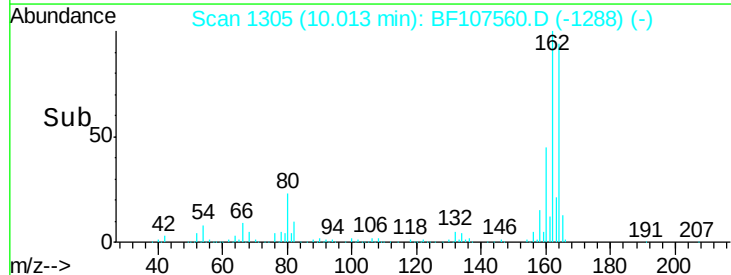
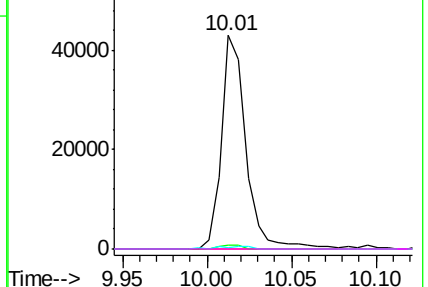


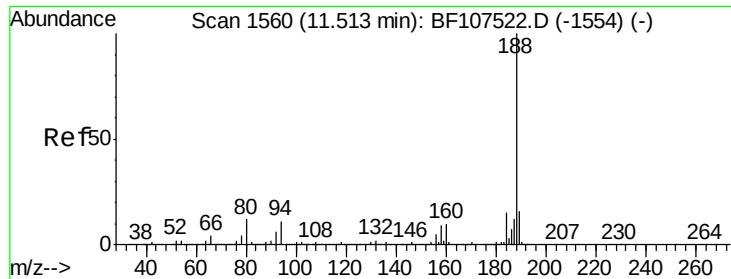
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1559

Delta R.T. -0.01 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-S

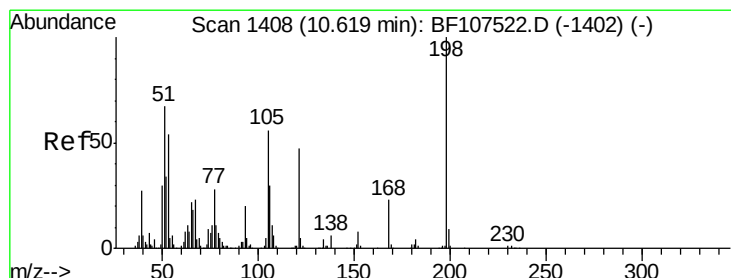
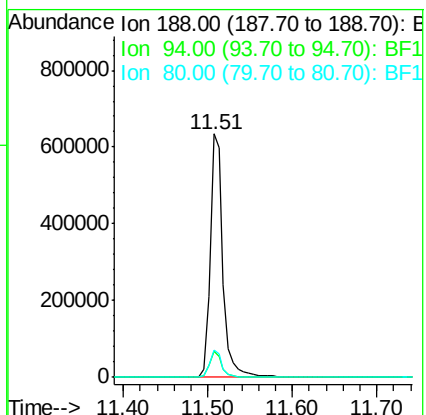
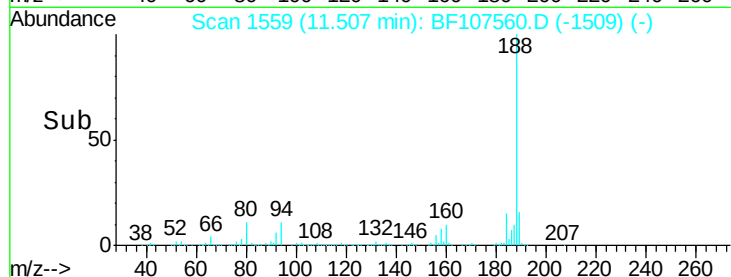
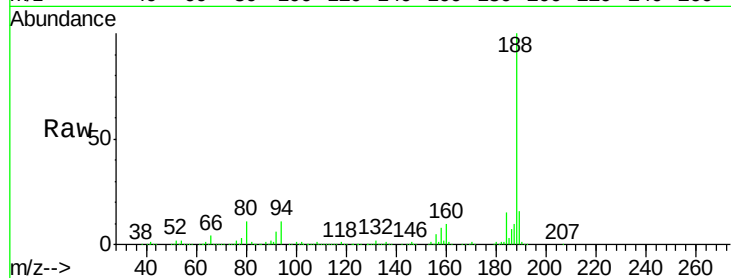
Tgt Ion:188 Resp: 670219

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

80 11.4 9.2 13.8



#64

4,6-Dinitro-2-methylphenol

Concen: 8.832 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

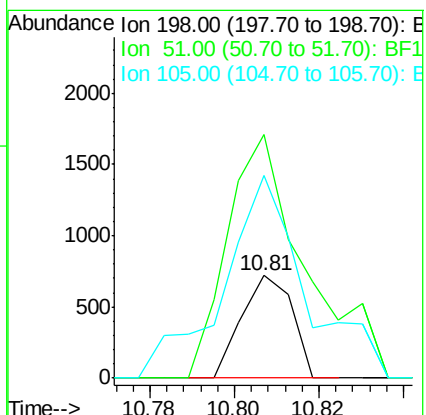
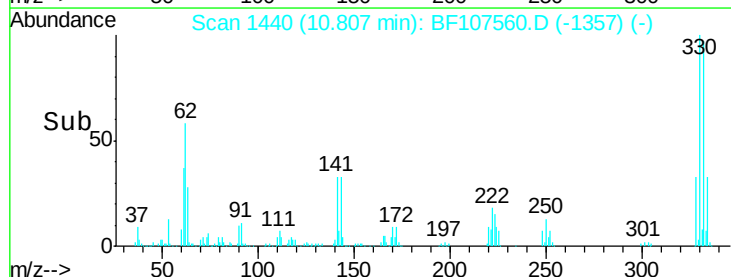
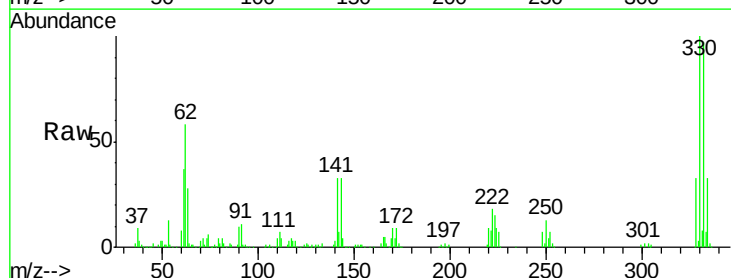
Tgt Ion:198 Resp: 599

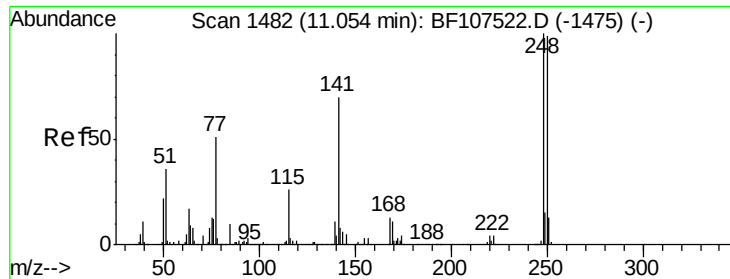
Ion Ratio Lower Upper

198 100

51 237.5 37.7 77.7#

105 197.6 36.3 76.3#

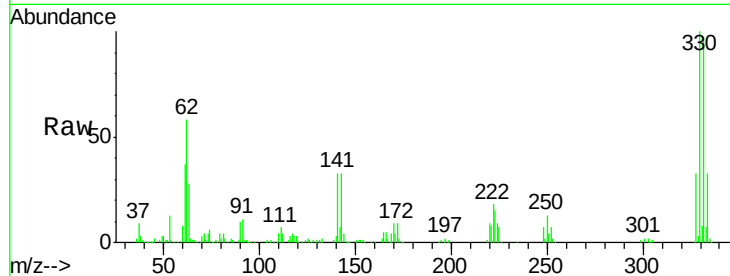




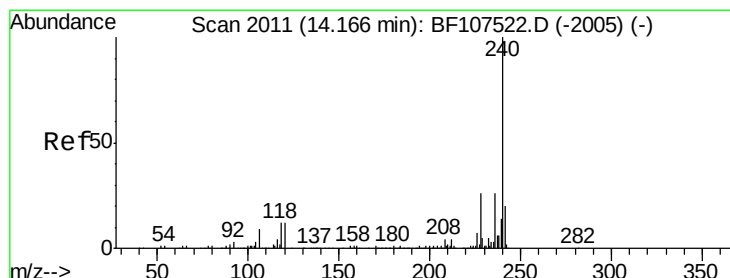
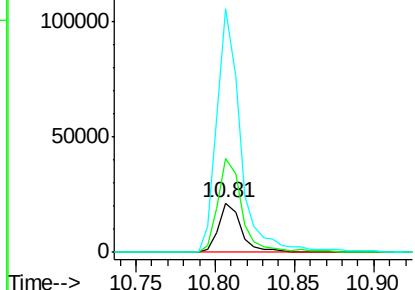
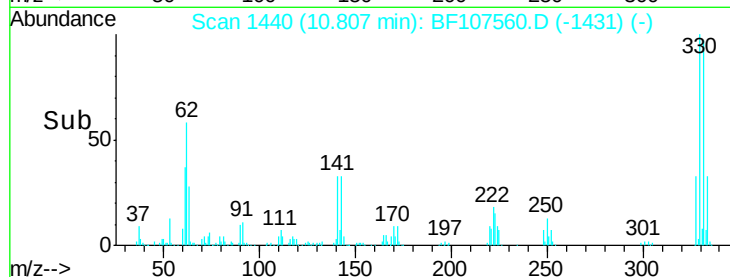
#66
 4-Bromophenyl-phenylether
 Concen: 2.753 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF107560.D
 Acq: 21 Jul 2018 8:03

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-D-S

Tgt Ion: 248 Resp: 21717
 Ion Ratio Lower Upper
 248 100
 250 192.0 76.9 115.3#
 141 496.5 74.4 111.6#

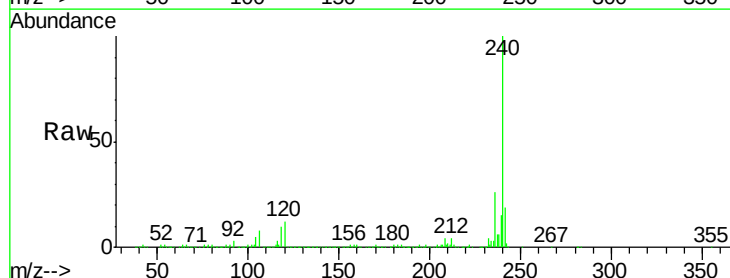


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

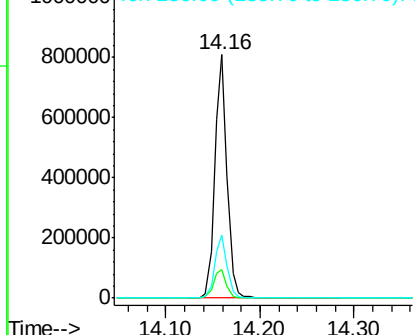
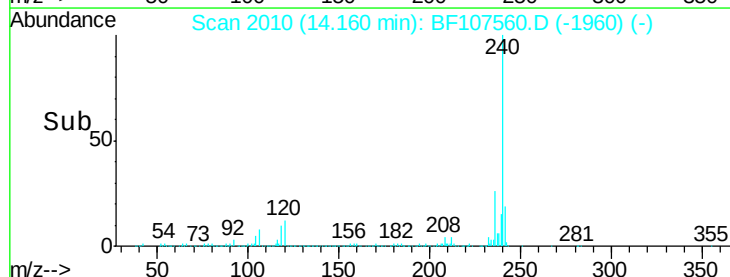


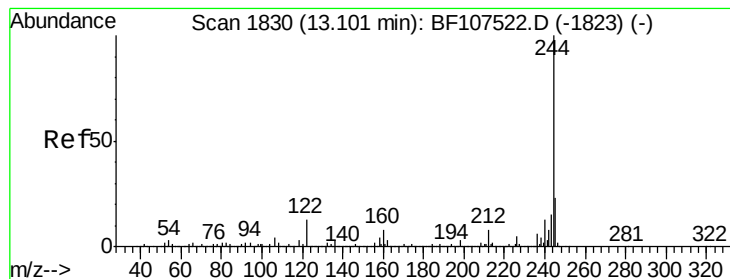
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF107560.D
 Acq: 21 Jul 2018 8:03

Tgt Ion: 240 Resp: 745306
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 26.1 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: 79.715 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107560.D

Acq: 21 Jul 2018 8:03

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-S

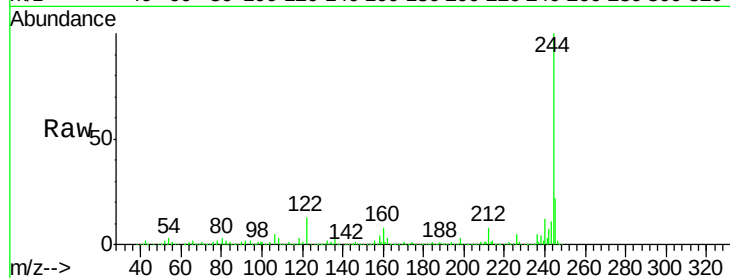
Tgt Ion:244 Resp: 2320689

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

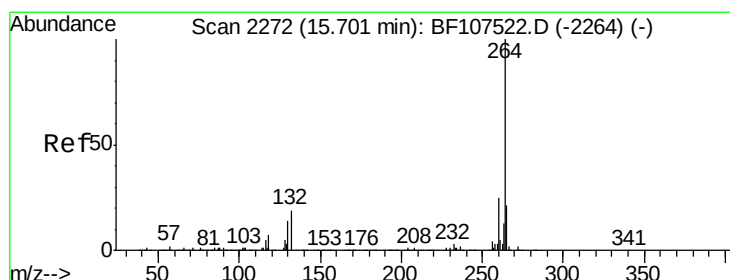
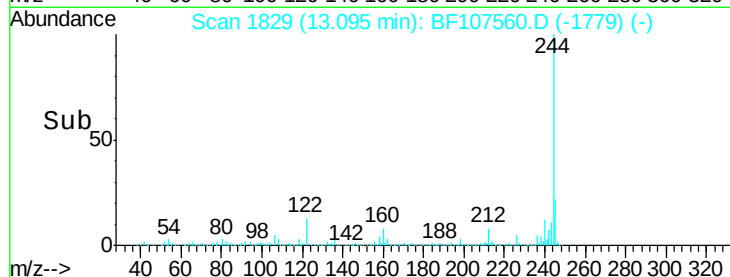
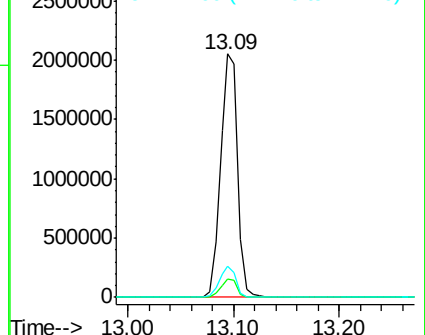
122 12.9 11.0 16.4



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: BF107560.D

Acq: 21 Jul 2018 8:03

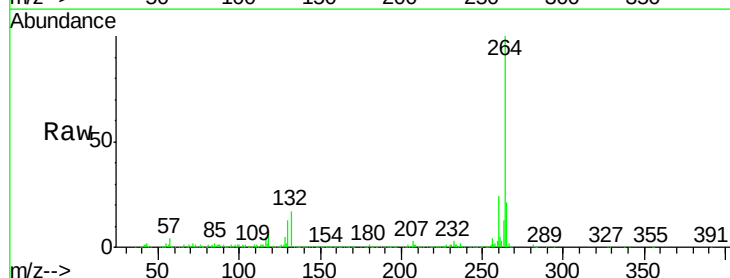
Tgt Ion:264 Resp: 552935

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.1 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

