

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107627.D
 Acq On : 24 Jul 2018 18:58
 Operator : JU/SJ
 Sample : J4119-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GB-SOIL-PILE

Quant Time: Jul 25 01:03:37 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	268684	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1015898	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	413273	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	729722	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	562714	20.00	ng	-0.01
86) Perylene-d12	15.69	264	473602	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1481746	88.67	ng	0.00
7) Phenol-d6	6.61	99	1882204	93.80	ng	0.00
23) Nitrobenzene-d5	7.53	82	1113692	73.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	421264	89.64	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1902084	76.73	ng	-0.01
78) Terphenyl-d14	13.09	244	1533442	69.76	ng	-0.01

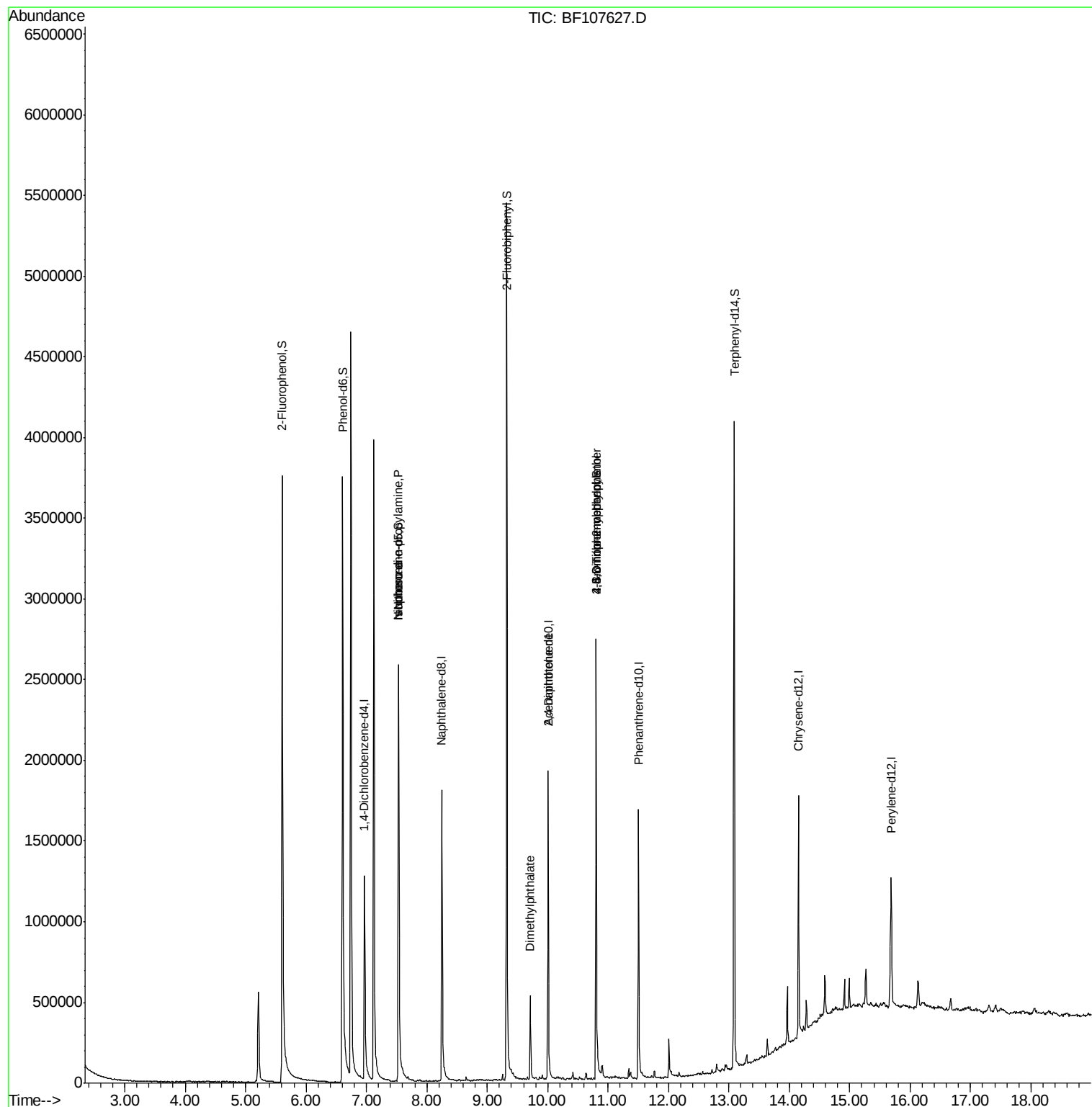
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	149615	11.542	ng	# 81
25) Isophorone	7.53	82	1113683	34.650	ng	# 64
49) Dimethylphthalate	9.71	163	207072	6.648	ng	# 99
56) 2,4-Dinitrotoluene	10.01	165	52825	7.077	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	677	8.838	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	24717	2.877	ng	# 1
73) Di-n-butylphthalate	12.05	149	7204	Below Cal		# 98
81) 3,3'-Dichlorobenzidine	14.10	252	662	Below Cal		# 14

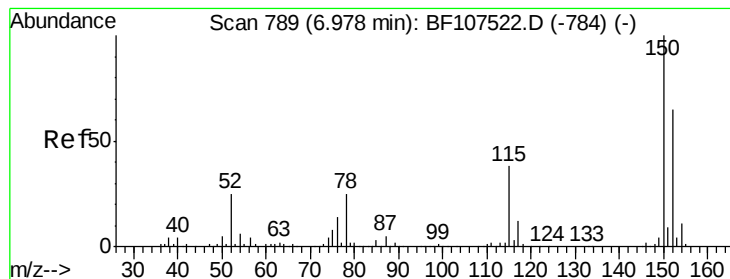
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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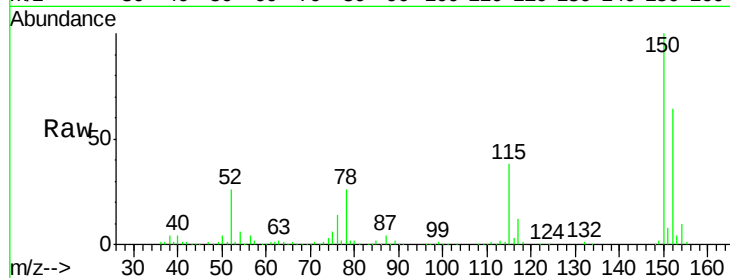


#1

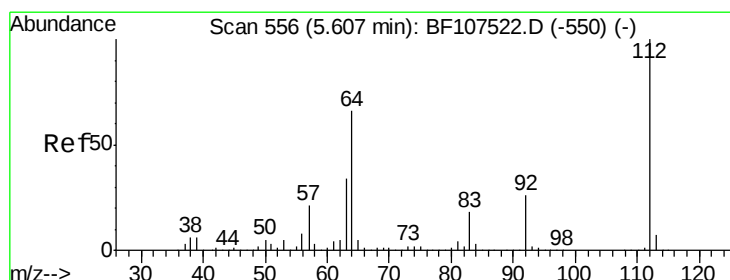
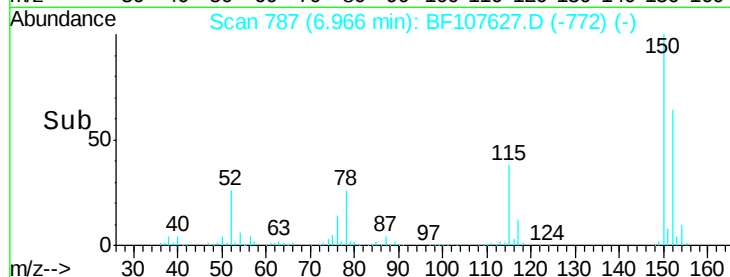
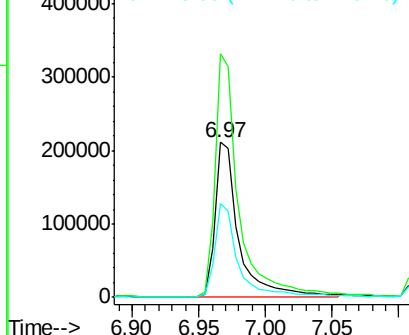
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107627.D
Acq: 24 Jul 2018 18:58

Instrument :
BNA_F
ClientSampleId :
GB-SOIL-PILE

Tgt Ion:152 Resp: 268684
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 60.3 50.1 75.1



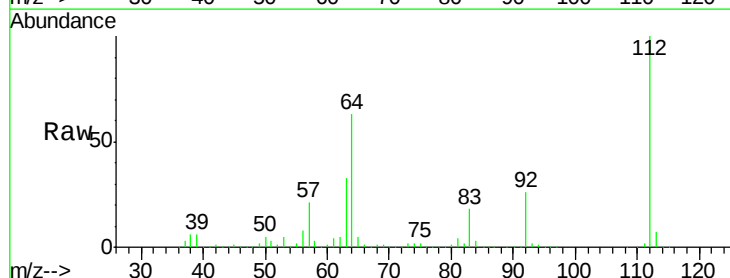
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



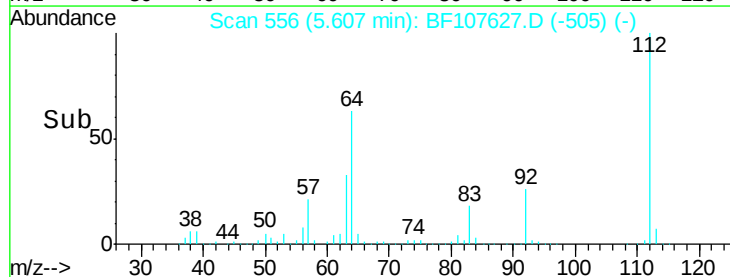
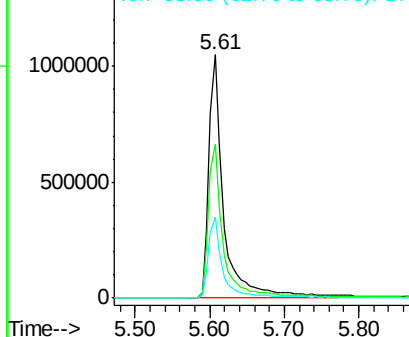
#5

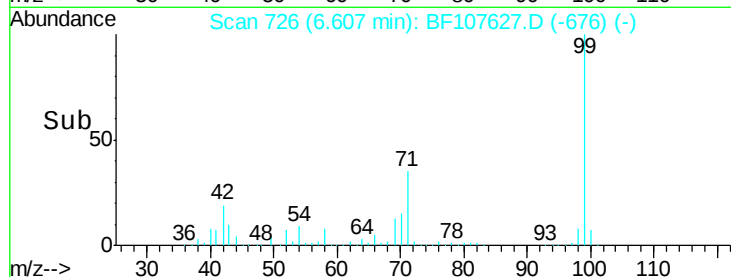
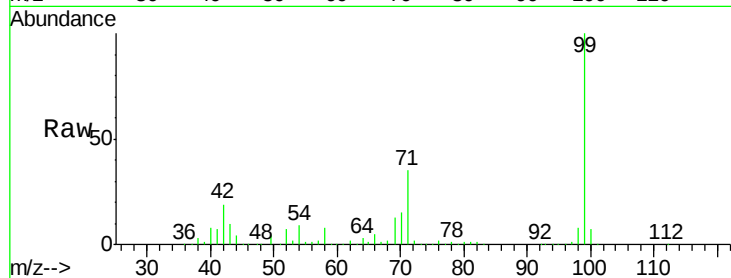
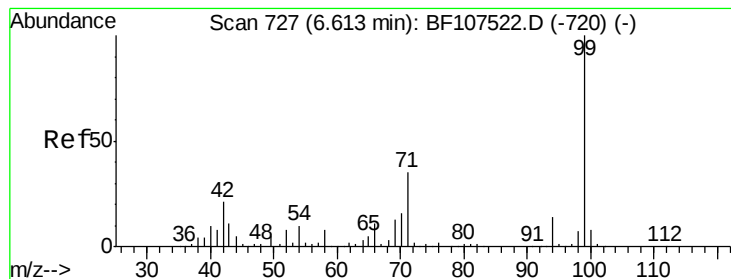
2-Fluorophenol
Concen: 88.668 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107627.D
Acq: 24 Jul 2018 18:58

Tgt Ion:112 Resp: 1481746
Ion Ratio Lower Upper
112 100
64 63.3 47.9 71.9
63 33.4 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: 93.802 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

Instrument :

BNA_F

ClientSampleId :

GB-SOIL-PILE

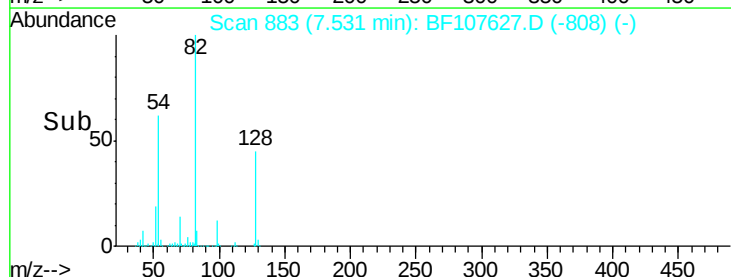
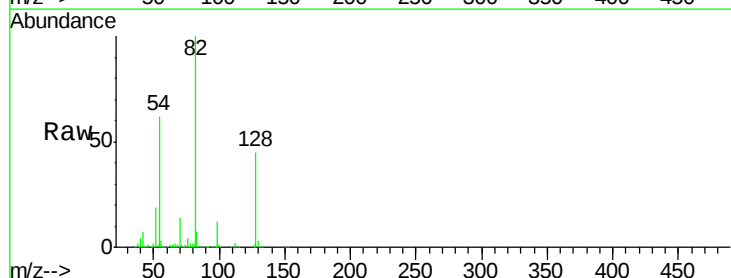
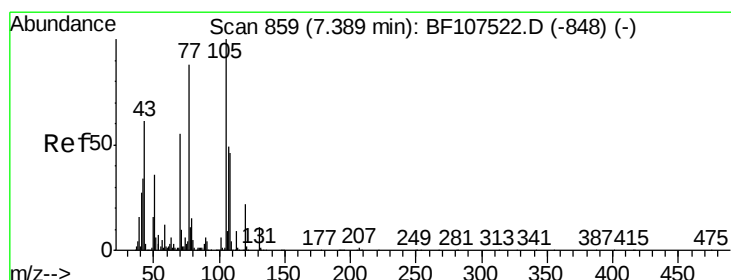
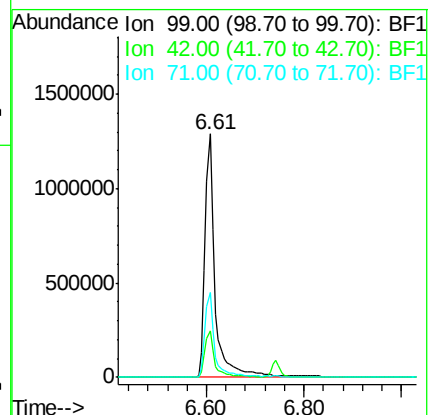
Tgt Ion: 99 Resp: 1882204

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 34.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.542 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

Tgt Ion: 70 Resp: 149615

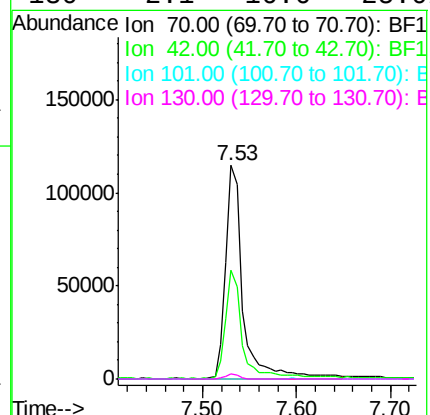
Ion Ratio Lower Upper

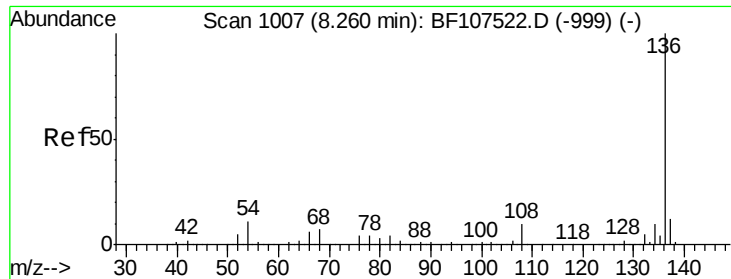
70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

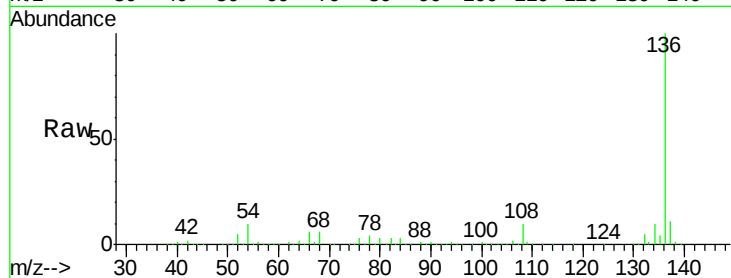




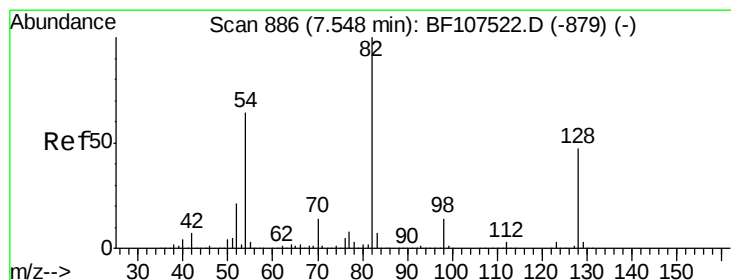
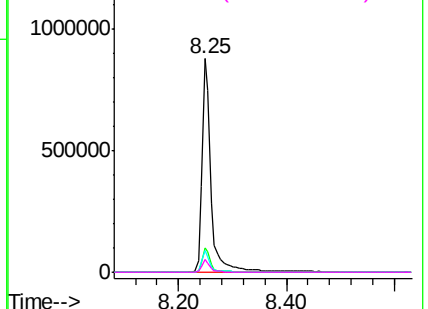
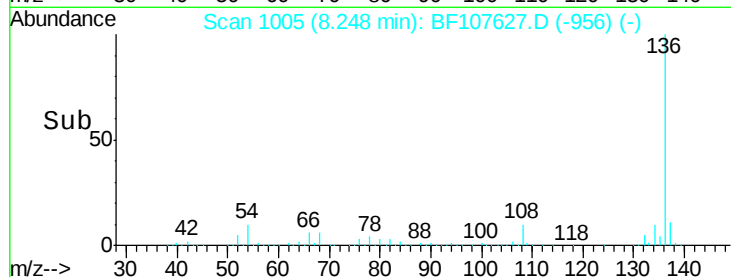
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107627.D
Acq: 24 Jul 2018 18:58

Instrument :
BNA_F
ClientSampleId :
GB-SOIL-PILE

Tgt Ion:136 Resp: 1015898
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 10.1 6.6 9.8#
68 5.8 5.0 7.4

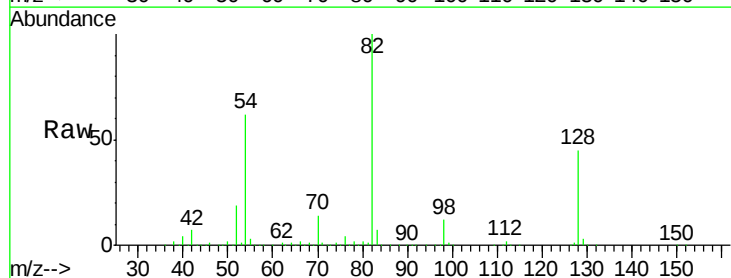


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

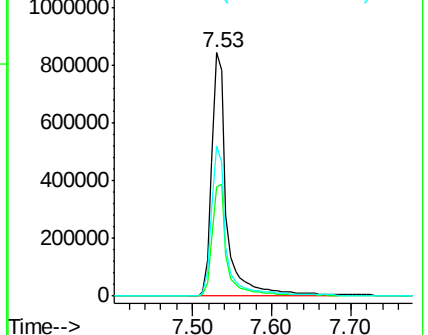
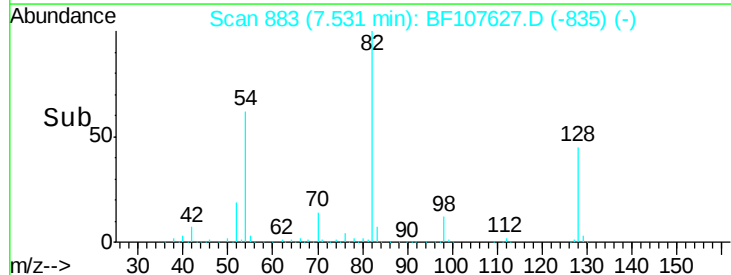


#23
Nitrobenzene-d5
Concen: 73.984 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107627.D
Acq: 24 Jul 2018 18:58

Tgt Ion: 82 Resp: 1113692
Ion Ratio Lower Upper
82 100
128 44.8 36.1 54.1
54 61.8 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: 34.650 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

Instrument :

BNA_F

ClientSampleId :

GB-SOIL-PILE

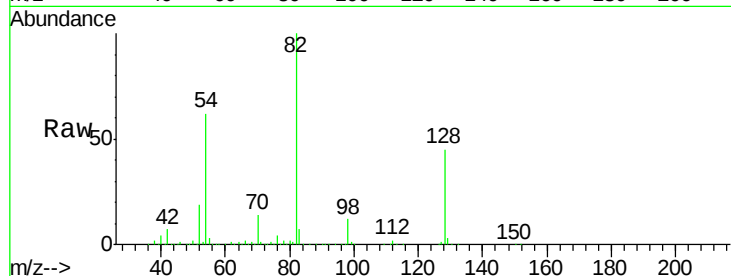
Tgt Ion: 82 Resp: 1113683

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

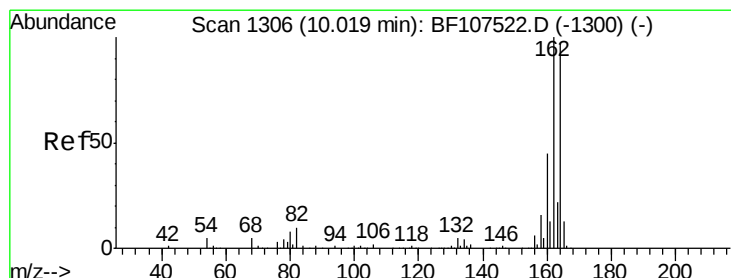
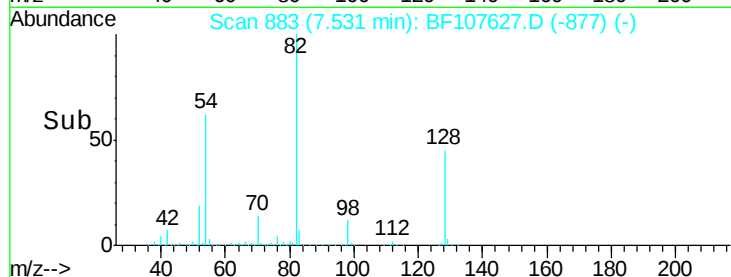
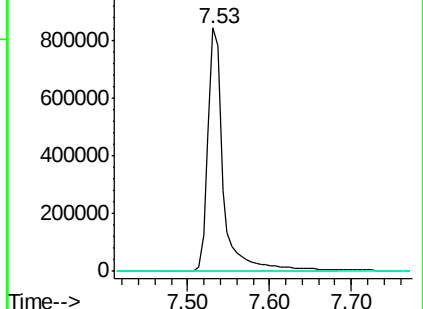
138 0.0 14.9 22.3#



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# 1304

Delta R.T. -0.01 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

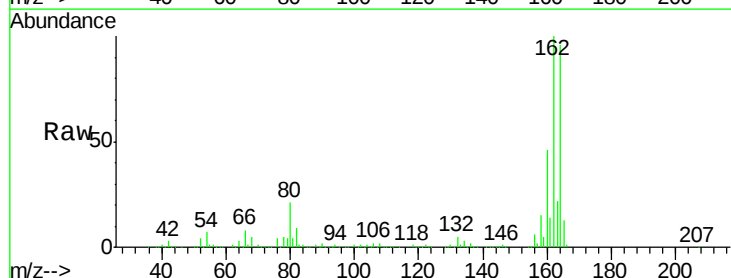
Tgt Ion: 164 Resp: 413273

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

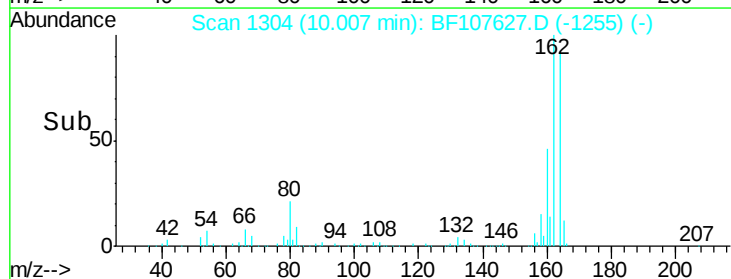
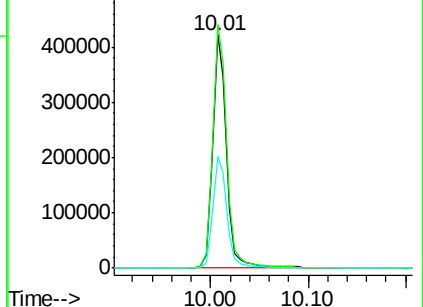
160 48.1 38.3 57.5

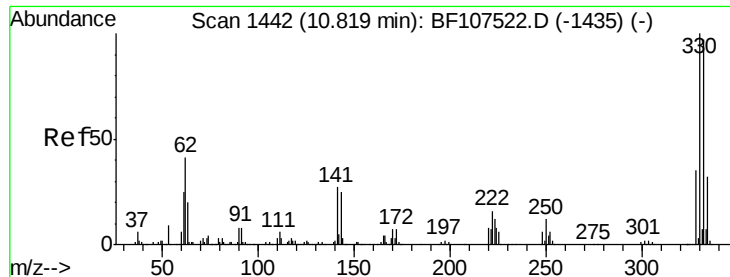


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

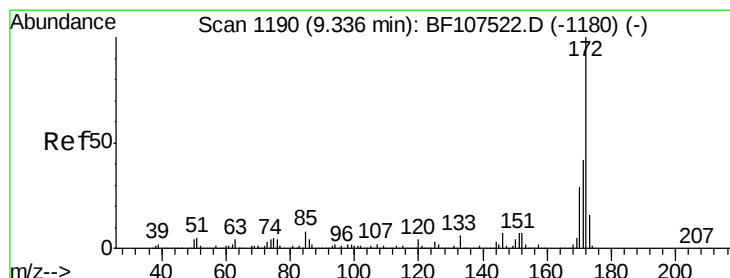
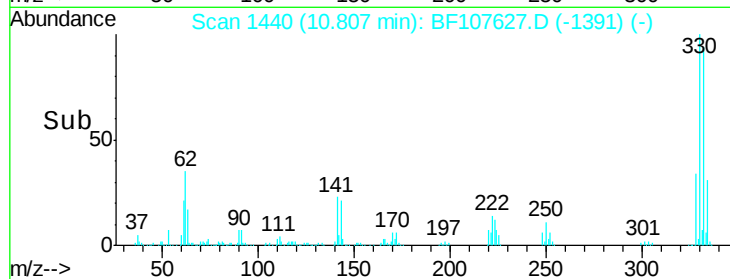
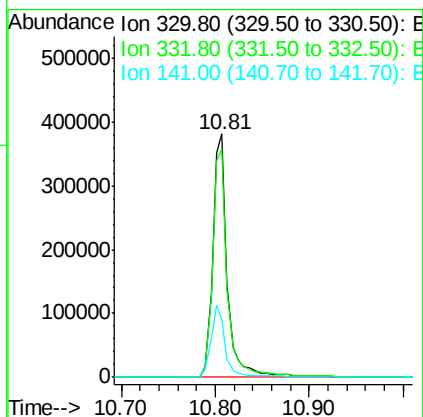
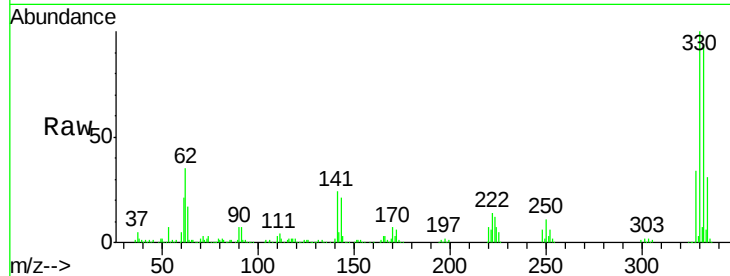




#41
 2,4,6-Tribromophenol
 Concen: 89.639 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107627.D
 Acq: 24 Jul 2018 18:58

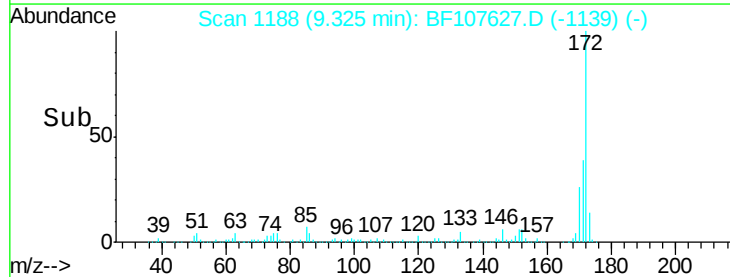
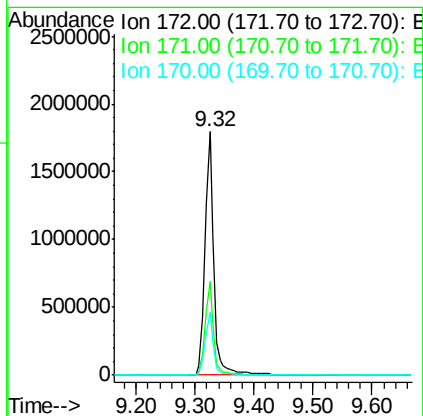
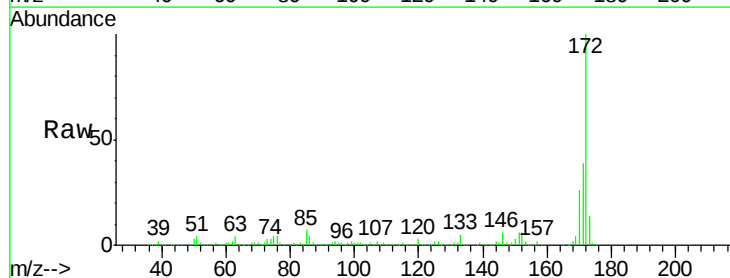
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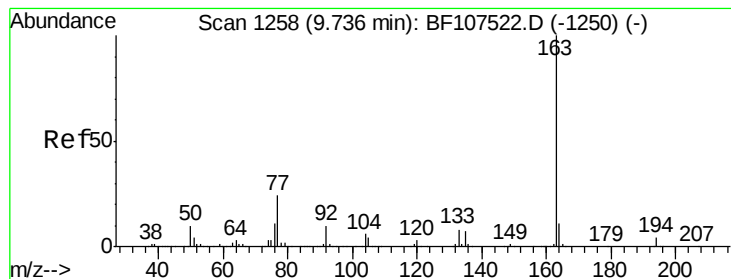
Tgt Ion:330 Resp: 421264
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 29.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 76.734 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107627.D
 Acq: 24 Jul 2018 18:58

Tgt Ion:172 Resp: 1902084
 Ion Ratio Lower Upper
 172 100
 171 38.5 29.7 44.5
 170 26.0 19.6 29.4





#49

Dimethylphthalate

Concen: 6.648 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

Instrument :

BNA_F

ClientSampleId :

GB-SOIL-PILE

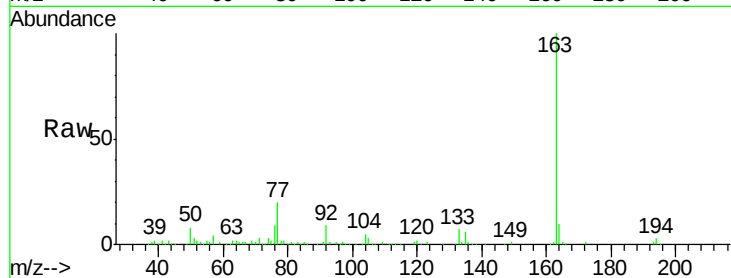
Tgt Ion:163 Resp: 207072

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

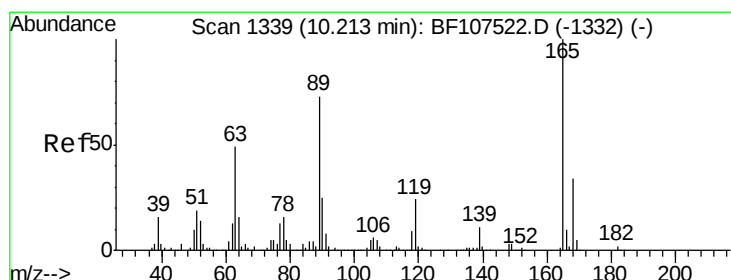
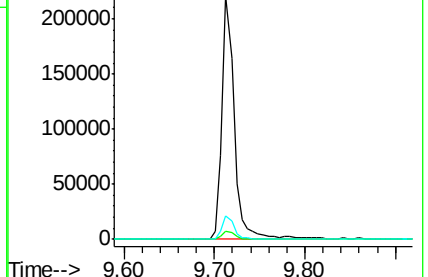
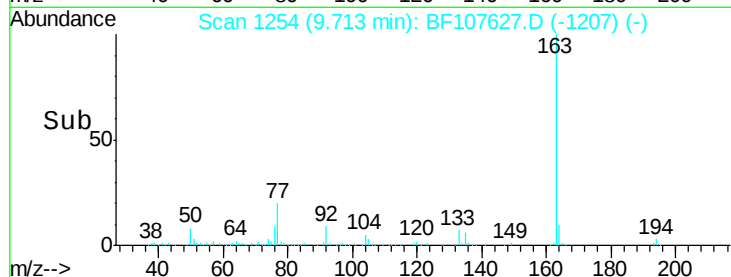
164 9.8 8.2 12.2



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: 7.077 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

Tgt Ion:165 Resp: 52825

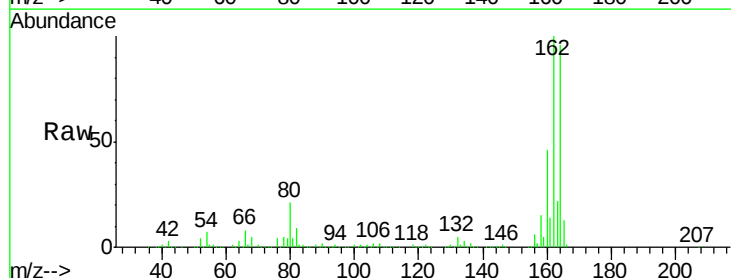
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 0.8 57.8 86.6#

182 0.0 1.6 2.4#

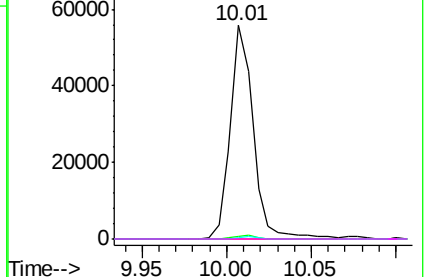
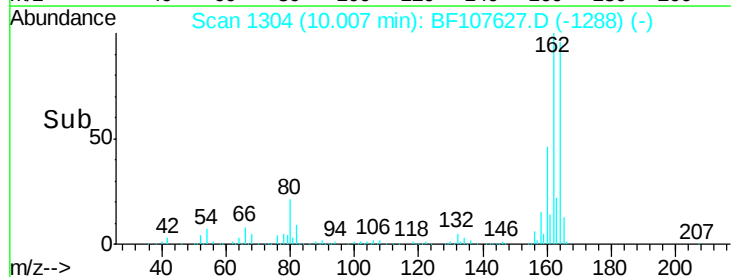


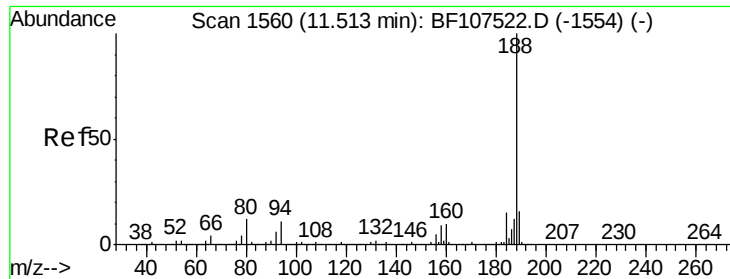
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

Instrument :

BNA_F

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GB-SOIL-PILE

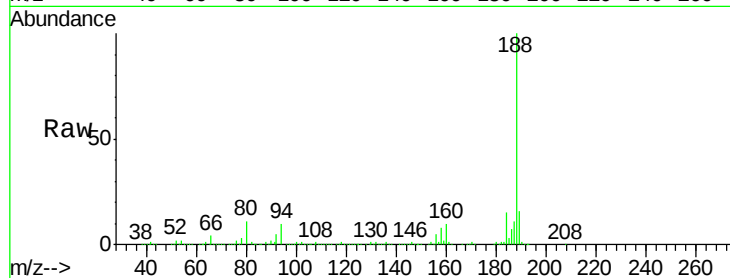
Tgt Ion:188 Resp: 729722

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

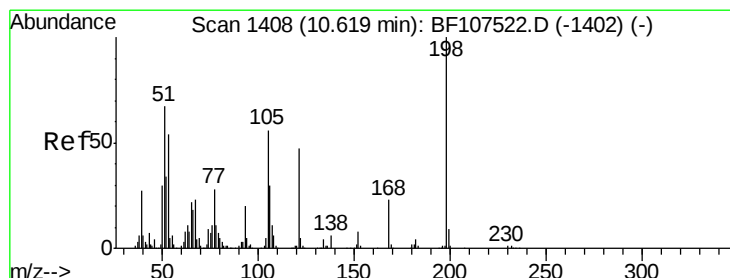
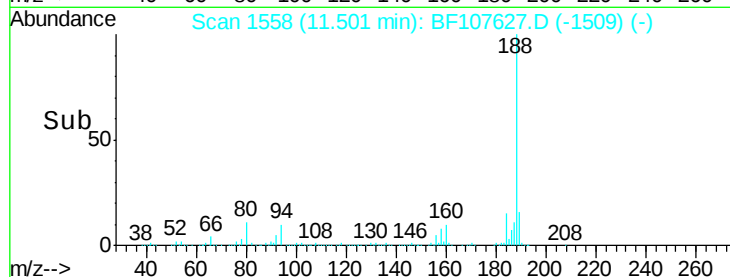
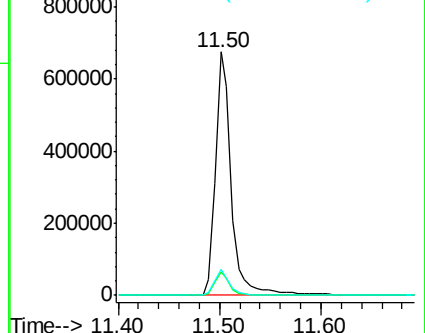
80 10.7 9.2 13.8



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: 8.838 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF107627.D

Acq: 24 Jul 2018 18:58

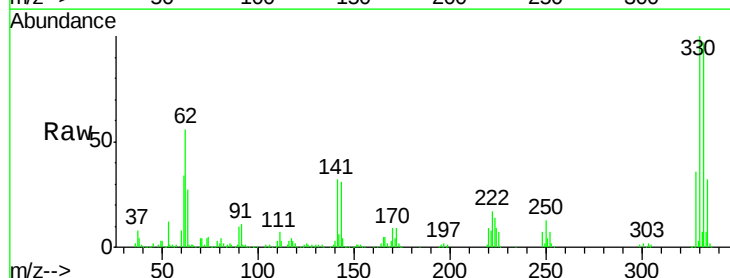
Tgt Ion:198 Resp: 677

Ion Ratio Lower Upper

198 100

51 213.2 37.7 77.7#

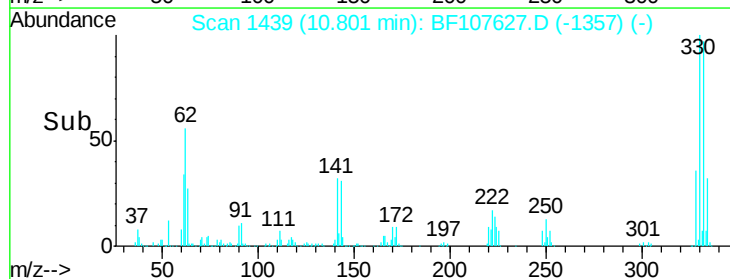
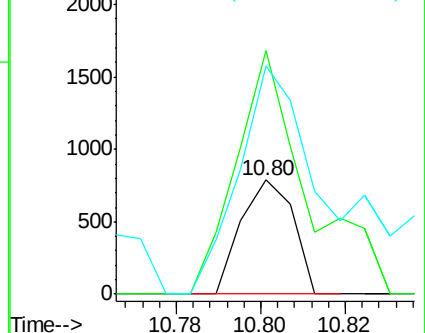
105 199.4 36.3 76.3#

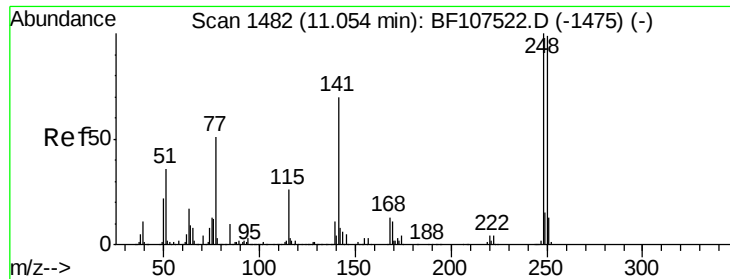


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

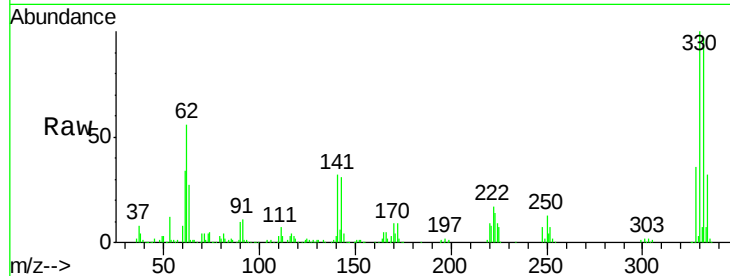




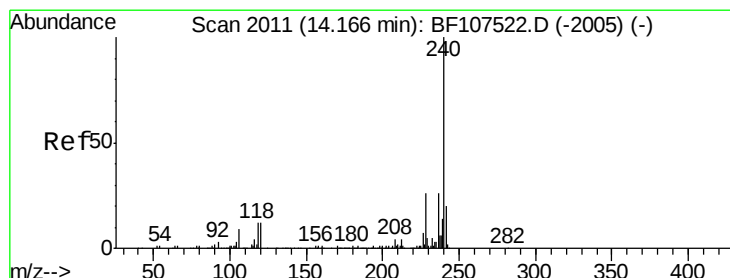
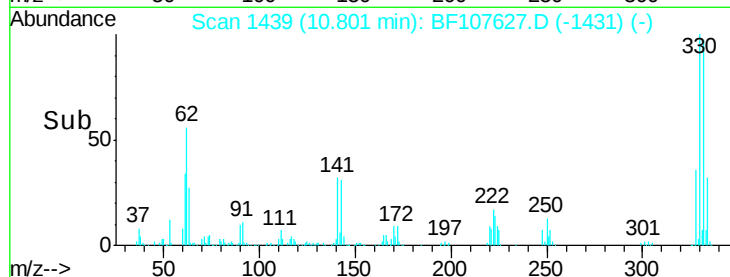
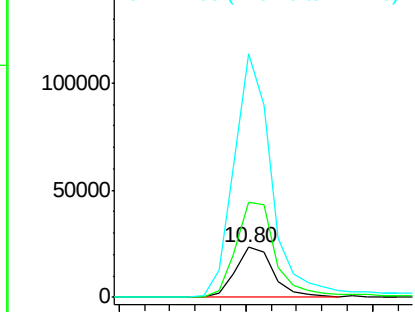
#66
4-Bromophenyl-phenylether
Concen: 2.877 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF107627.D
Acq: 24 Jul 2018 18:58

Instrument :
BNA_F
ClientSampleId :
GB-SOIL-PILE

Tgt Ion:248 Resp: 24717
Ion Ratio Lower Upper
248 100
250 189.4 76.9 115.3#
141 484.9 74.4 111.6#

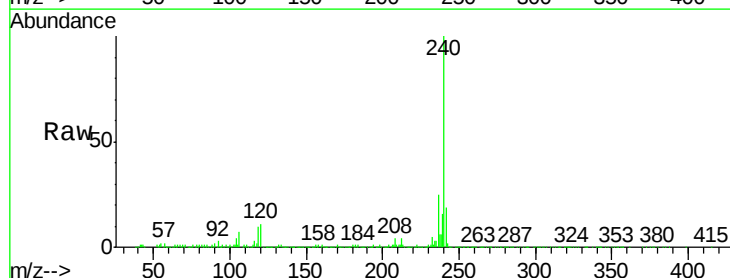


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

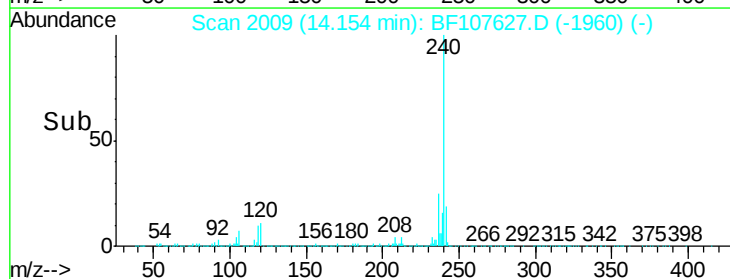
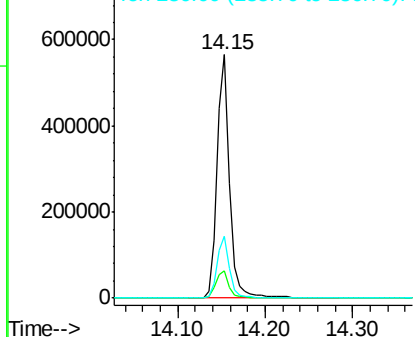


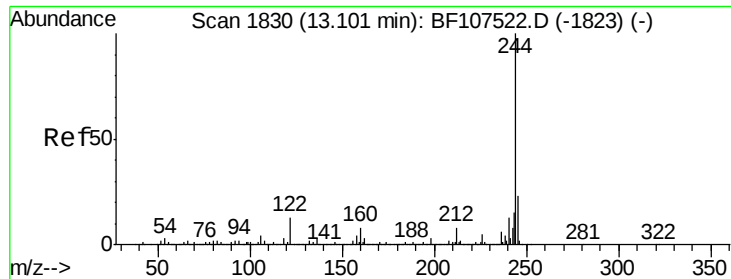
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107627.D
Acq: 24 Jul 2018 18:58

Tgt Ion:240 Resp: 562714
Ion Ratio Lower Upper
240 100
120 11.2 9.5 14.3
236 25.1 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

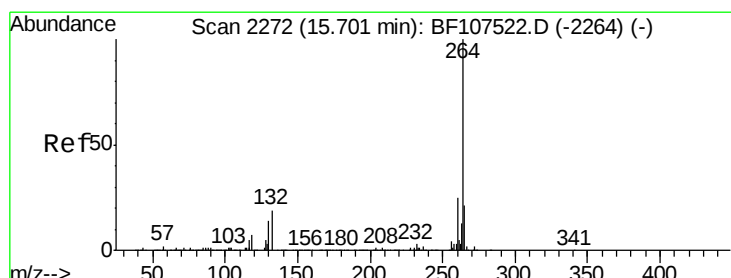
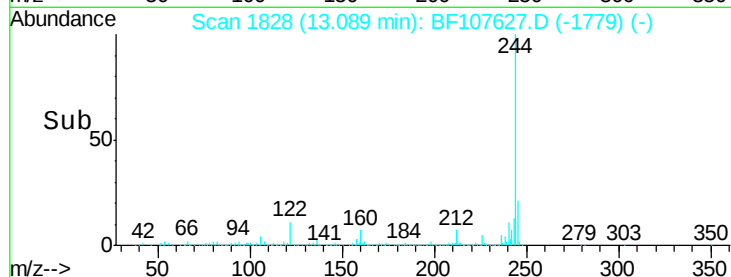
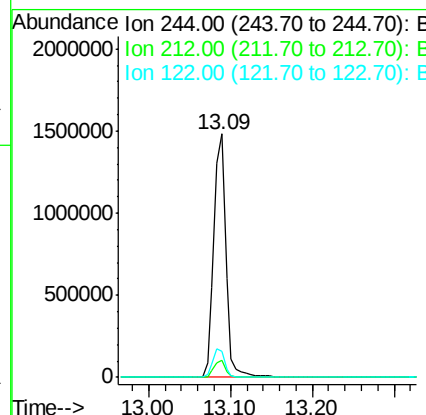
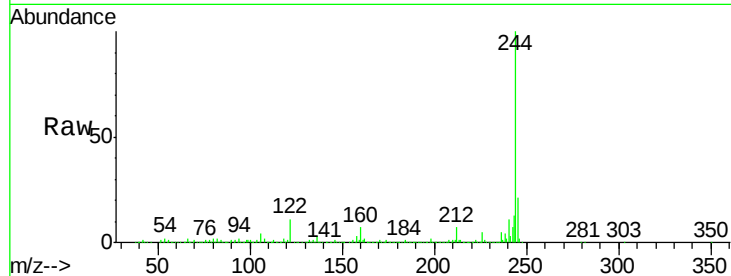




#78
 Terphenyl-d14
 Concen: 69.765 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF107627.D
 Acq: 24 Jul 2018 18:58

Instrument :
 BNA_F
 ClientSampleId :
 GB-SOIL-PILE

Tgt Ion:244 Resp: 1533442
 Ion Ratio Lower Upper
 244 100
 212 6.9 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: BF107627.D
 Acq: 24 Jul 2018 18:58

Tgt Ion:264 Resp: 473602
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 22.6 17.5 26.3

