

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107703.D
 Acq On : 26 Jul 2018 16:50
 Operator : JU/SJ
 Sample : J4152-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LA-SOIL-1

Quant Time: Jul 26 17:42:34 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	6.96	152	186602	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	801097	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	368568	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	778497	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	478645	20.00	ng	-0.02
86) Perylene-d12	15.68	264	505888	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1073059	92.46	ng	0.00
7) Phenol-d6	6.60	99	1402076	100.61	ng	-0.01
23) Nitrobenzene-d5	7.52	82	852705	71.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	460344	109.84	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1548842	68.05	ng	-0.02
78) Terphenyl-d14	13.08	244	1489886	79.69	ng	-0.02

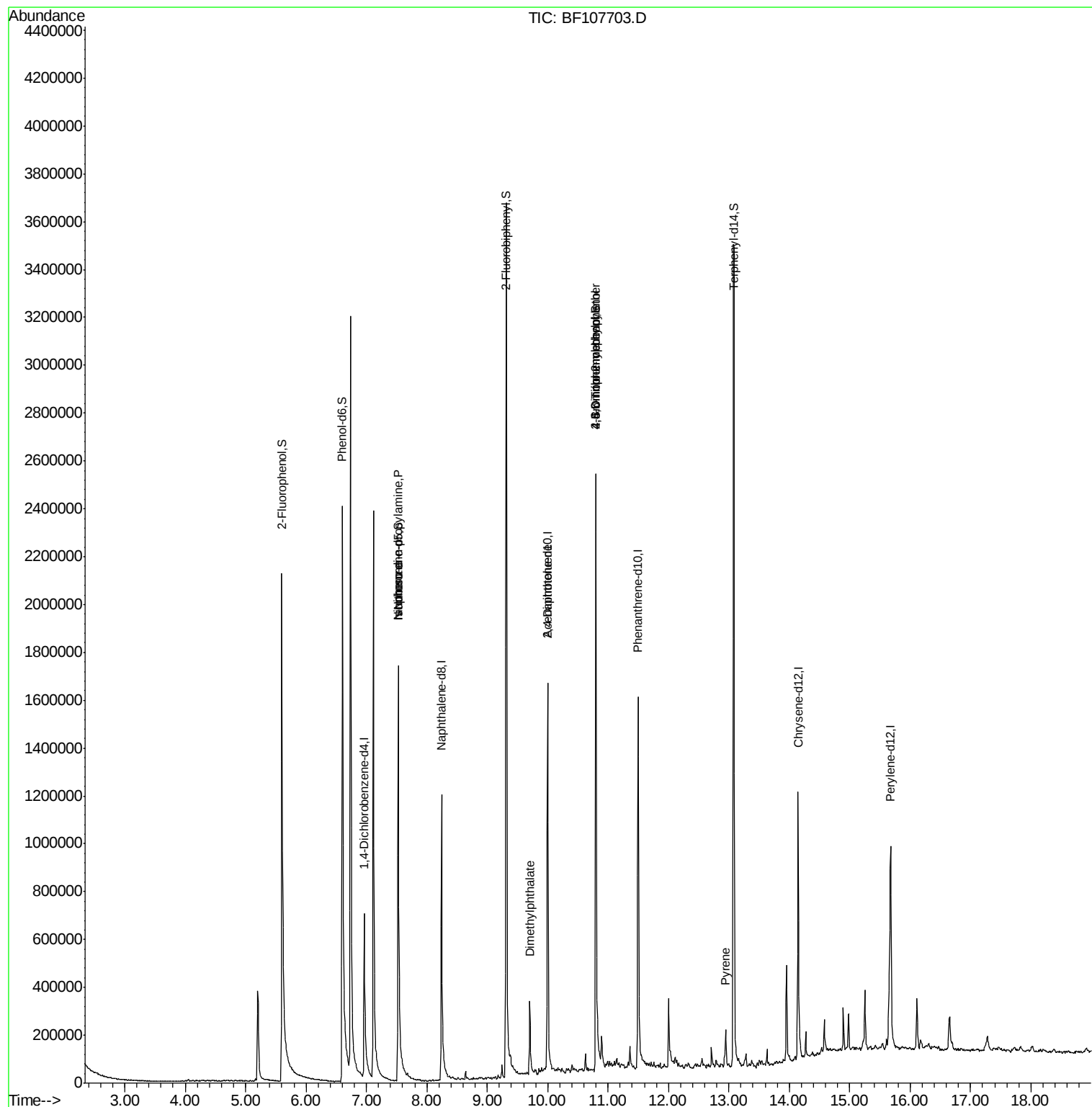
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1853	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	111341	12.367	ng	# 78
25) Isophorone	7.52	82	852705	33.644	ng	# 64
49) Dimethylphthalate	9.71	163	145155	5.226	ng	# 99
56) 2,4-Dinitrotoluene	10.00	165	47447	7.127	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	878	8.872	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	26615	2.904	ng	# 1
73) Di-n-butylphthalate	12.04	149	9210	Below Cal	#	91
77) Pyrene	12.95	202	80751	2.466	ng	# 96
81) 3,3'-Dichlorobenzidine	14.18	252	560	Below Cal	#	1

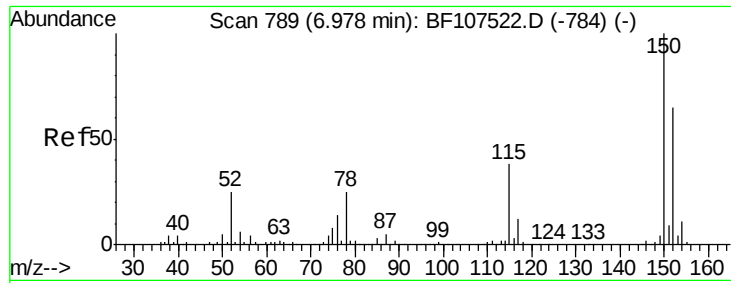
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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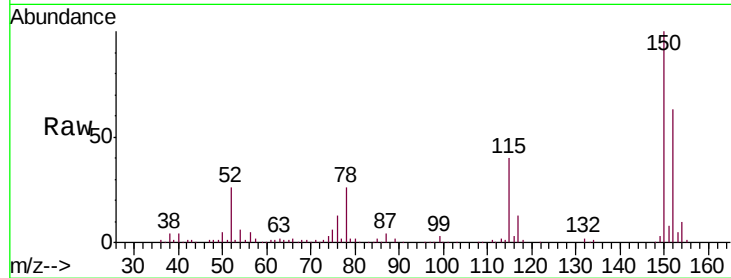


#1

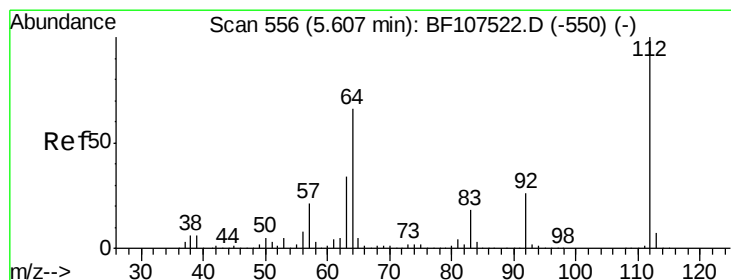
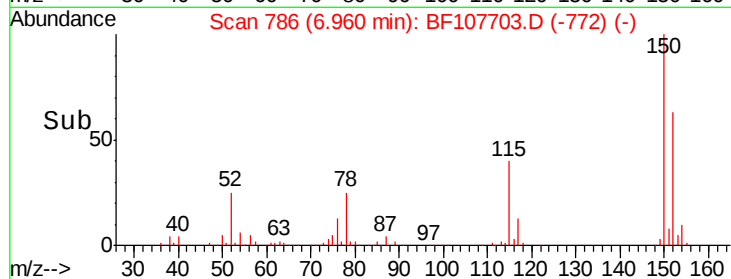
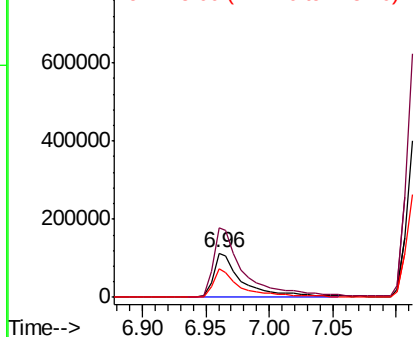
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Instrument :
BNA_F
ClientSampleId :
LA-SOIL-1

Tgt Ion:152 Resp: 186602
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 63.4 50.1 75.1



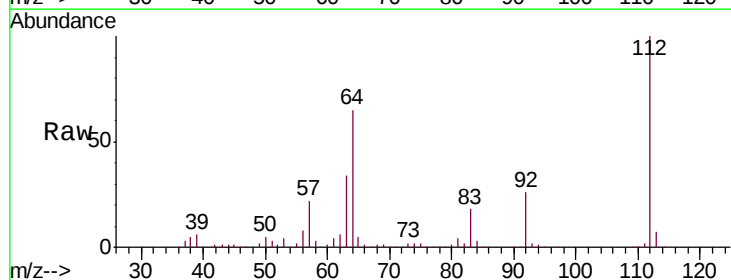
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



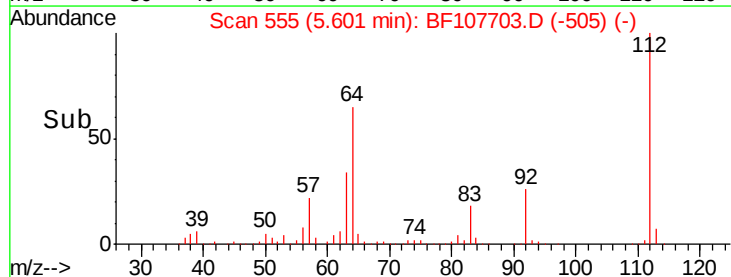
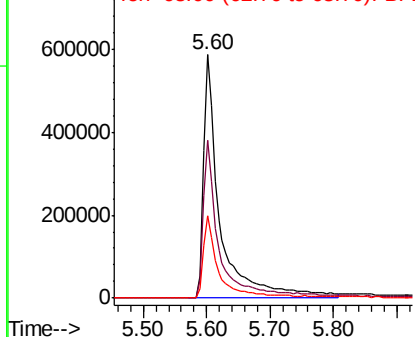
#5

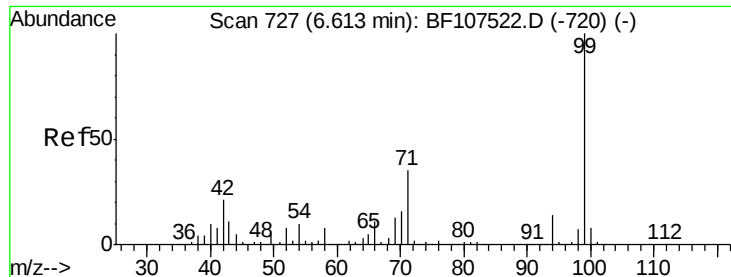
2-Fluorophenol
Concen: 92.457 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Tgt Ion:112 Resp: 1073059
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 33.8 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: 100.610 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107703.D

Acq: 26 Jul 2018 16:50

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-1

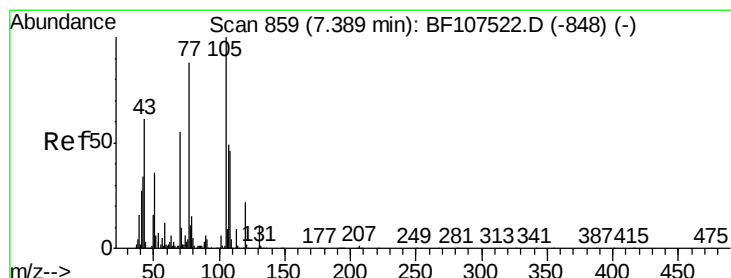
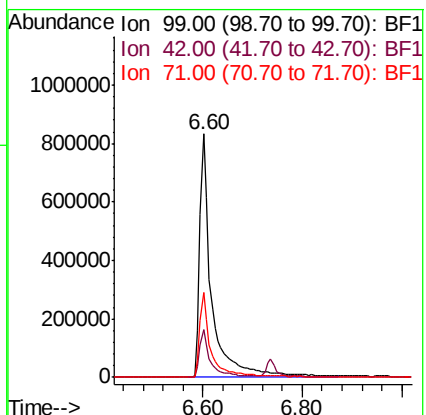
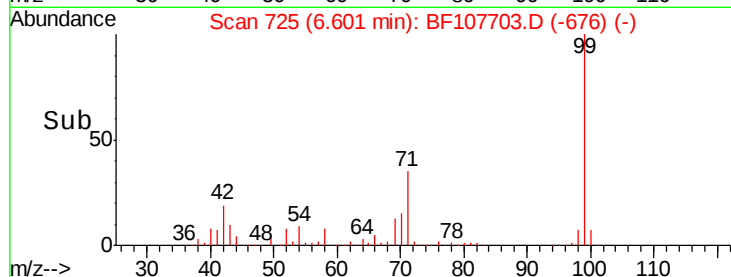
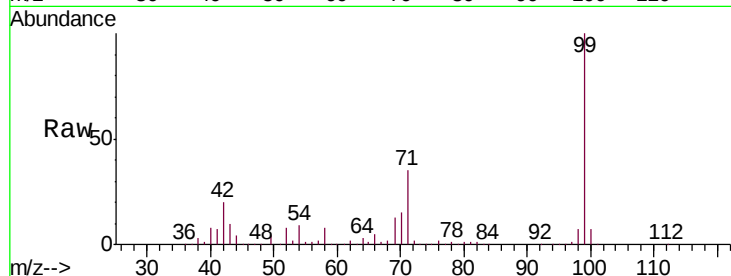
Tgt Ion: 99 Resp: 1402076

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.367 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107703.D

Acq: 26 Jul 2018 16:50

Tgt Ion: 70 Resp: 111341

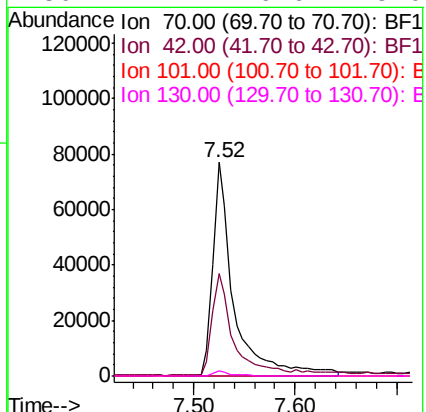
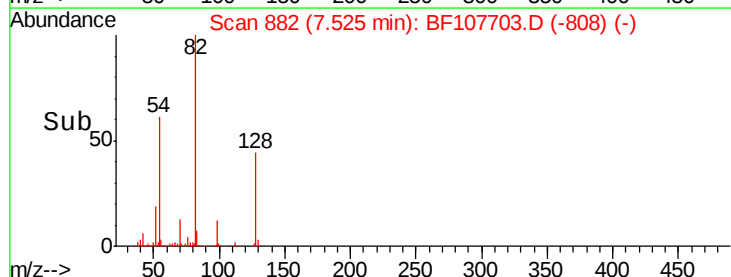
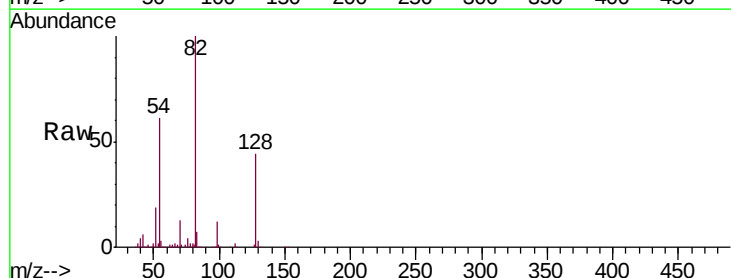
Ion Ratio Lower Upper

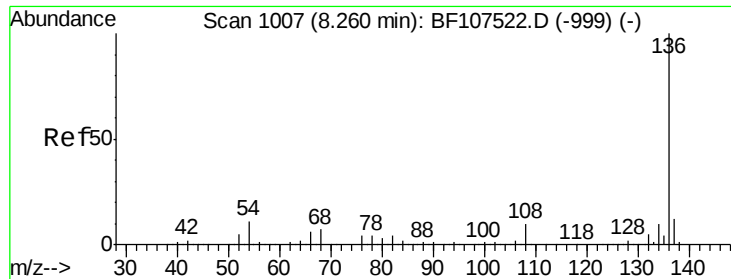
70 100

42 48.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

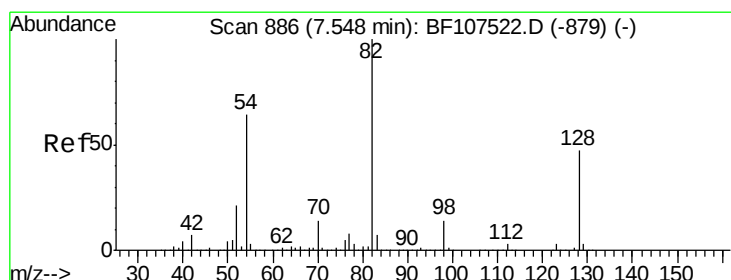
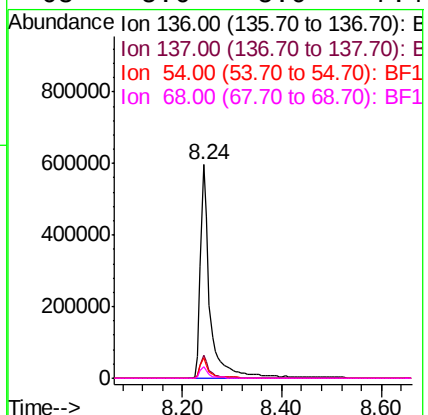
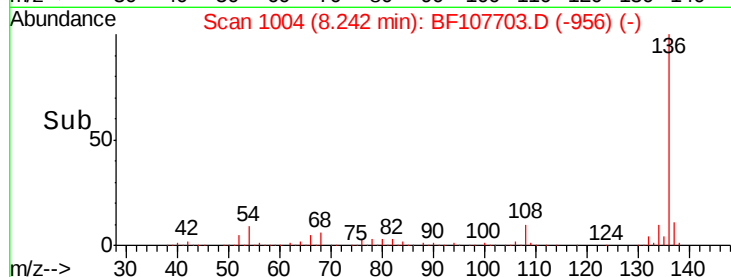
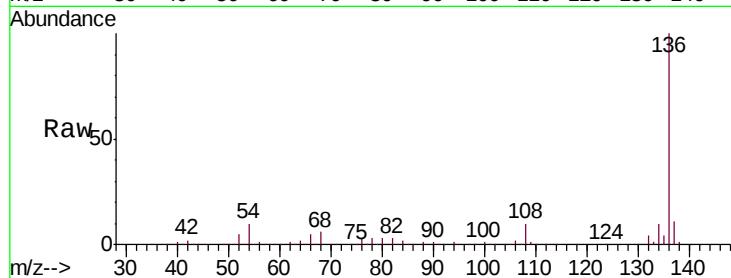




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

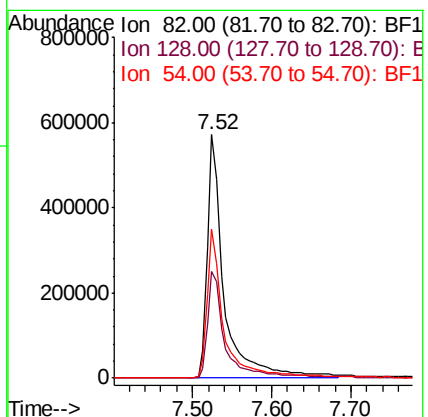
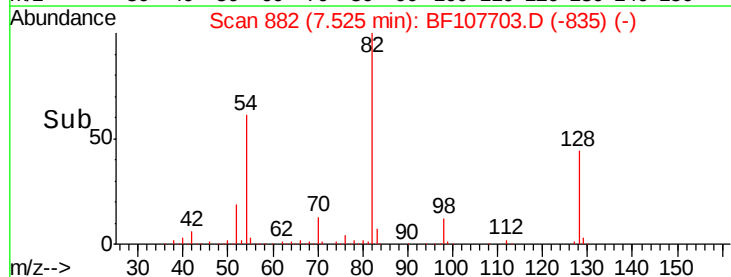
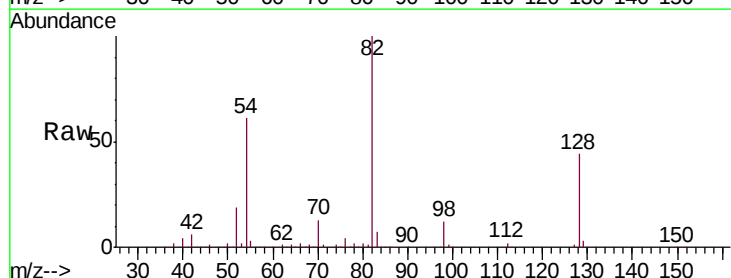
Instrument :
BNA_F
ClientSampleId :
LA-SOIL-1

Tgt Ion:	136	Resp:	801097
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.6	6.6	9.8
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 71.835 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Tgt Ion:	82	Resp:	852705
Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	61.1	41.4	62.2

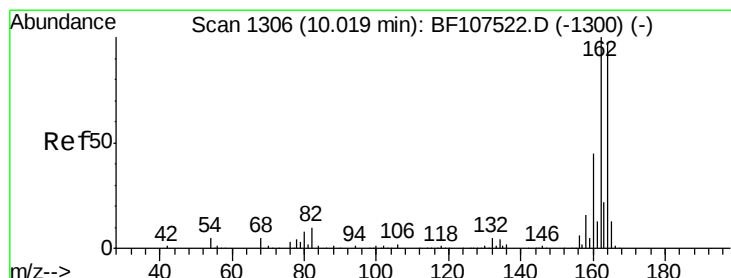
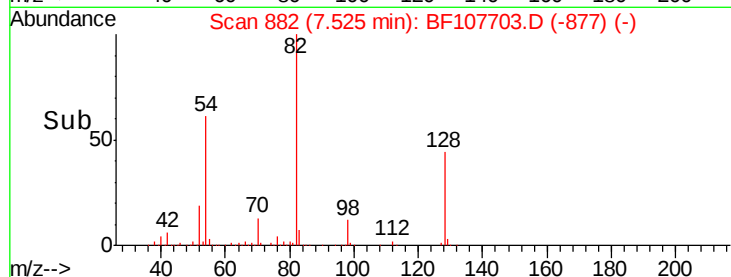
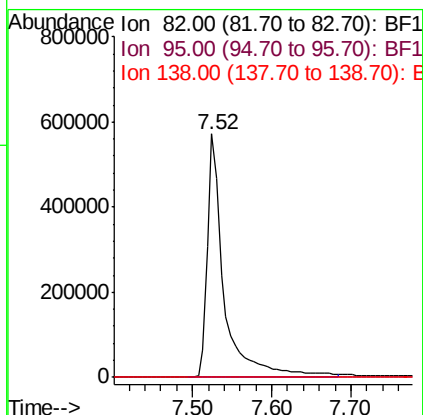
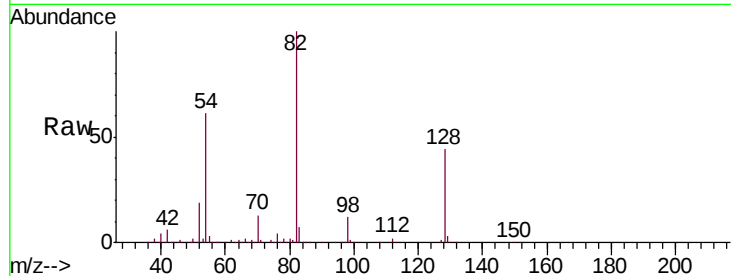




#25
Isophorone
Concen: 33.644 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

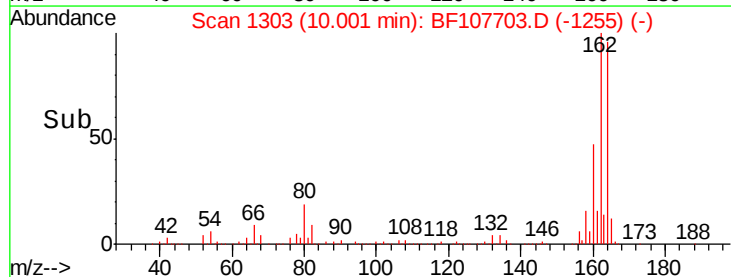
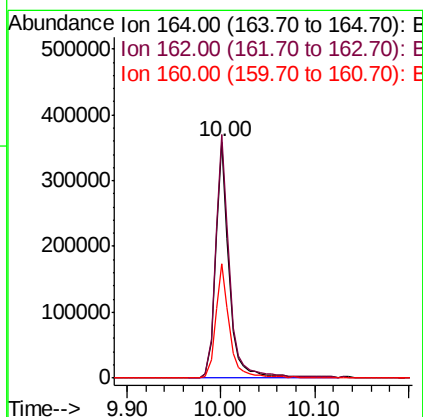
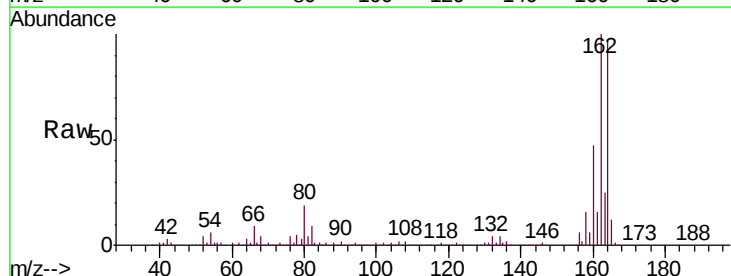
Instrument :
BNA_F
ClientSampleId :
LA-SOIL-1

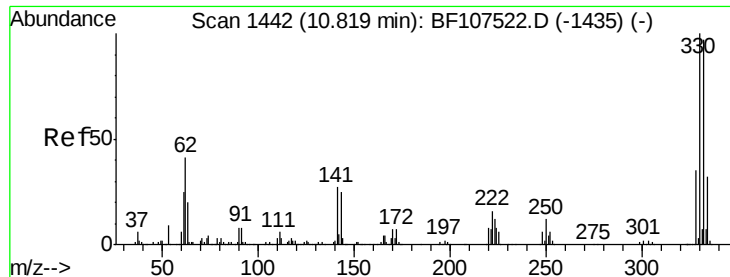
Tgt Ion: 82 Resp: 852705
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Tgt Ion: 164 Resp: 368568
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 48.6 38.3 57.5

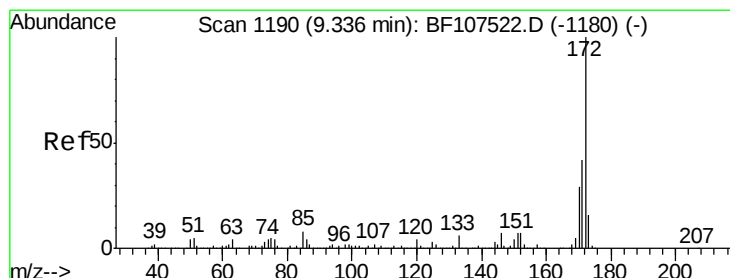
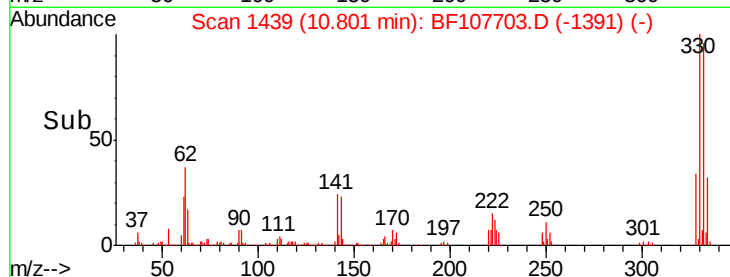
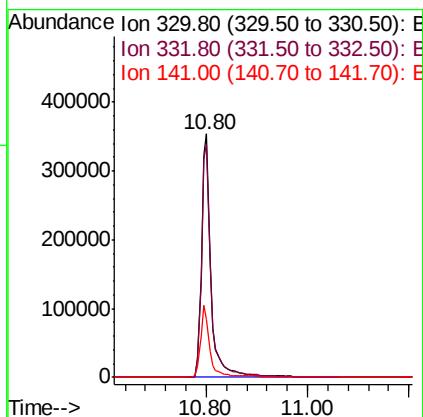
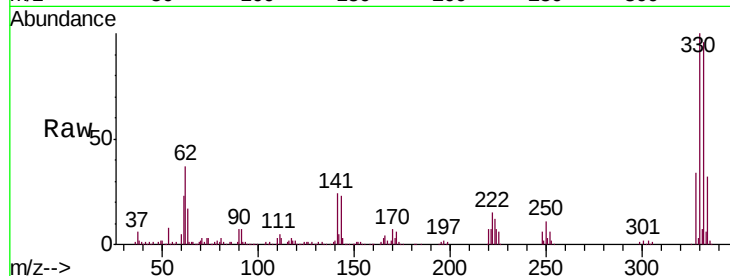




#41
 2,4,6-Tribromophenol
 Concen: 109.836 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107703.D
 Acq: 26 Jul 2018 16:50

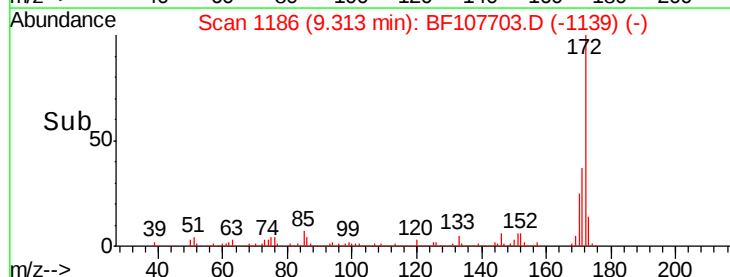
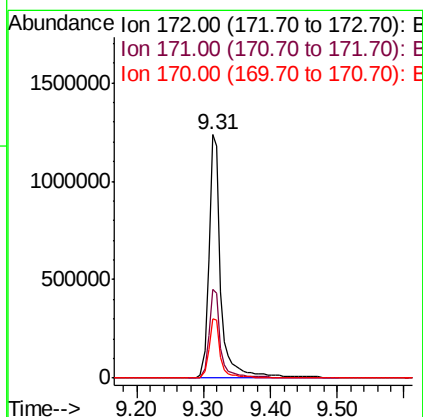
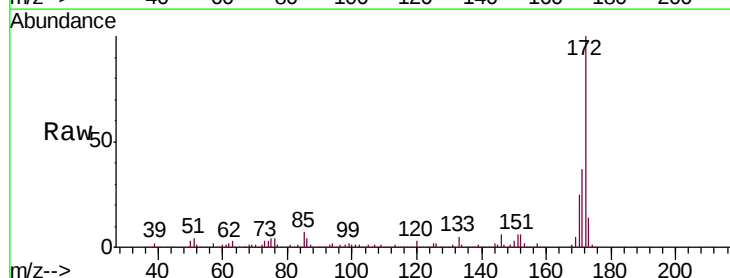
Instrument :
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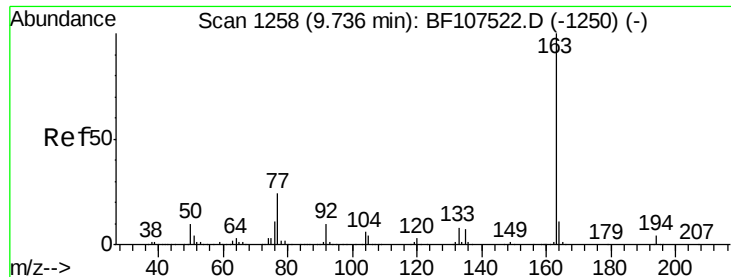
Tgt Ion:330 Resp: 460344
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 28.8 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 68.049 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107703.D
 Acq: 26 Jul 2018 16:50

Tgt Ion:172 Resp: 1548842
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.6 19.6 29.4

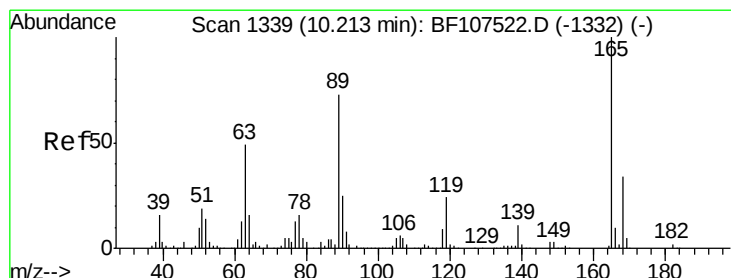
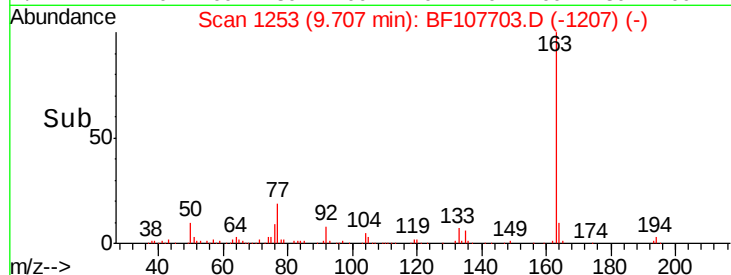
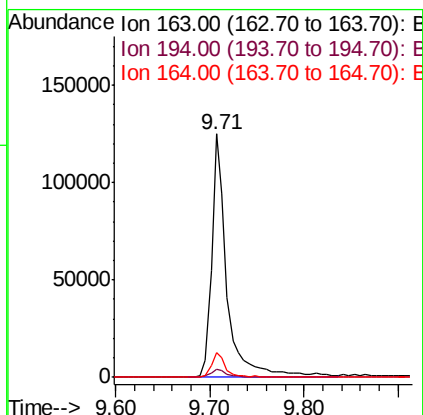
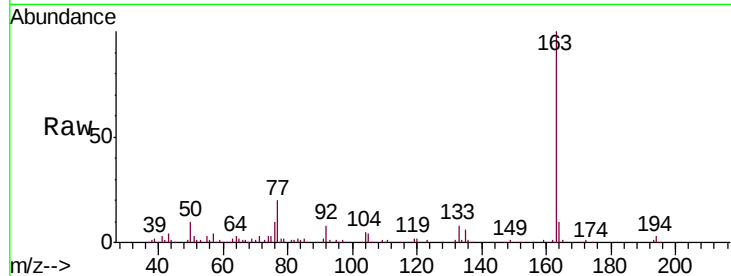




#49
Dimethylphthalate
Concen: 5.226 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

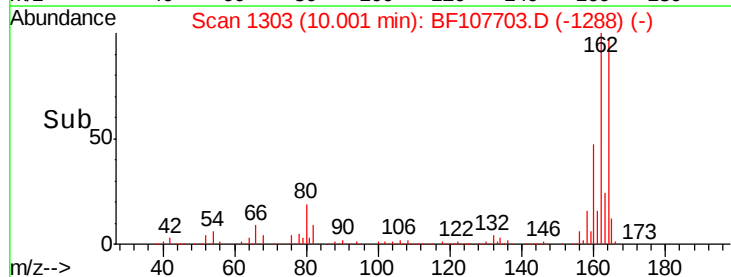
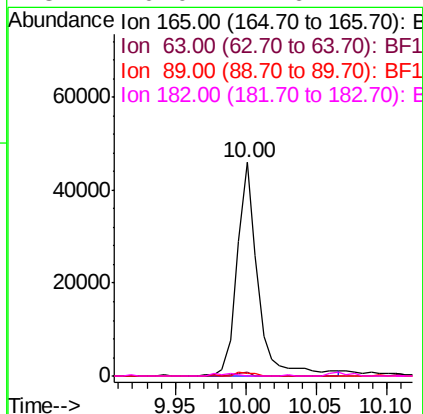
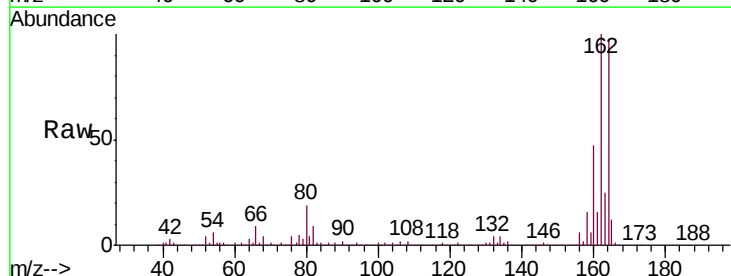
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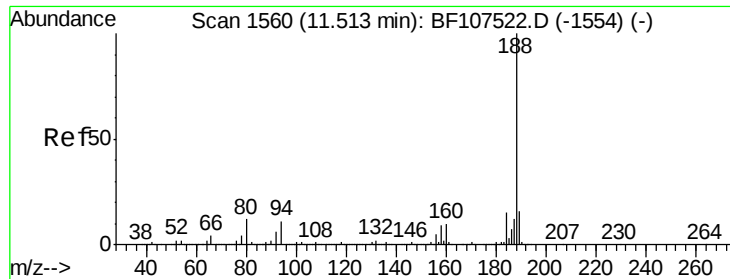
Tgt Ion:163 Resp: 145155
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.127 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.21 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Tgt Ion:165 Resp: 47447
Ion Ratio Lower Upper
165 100
63 1.8 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107703.D

Acq: 26 Jul 2018 16:50

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-1

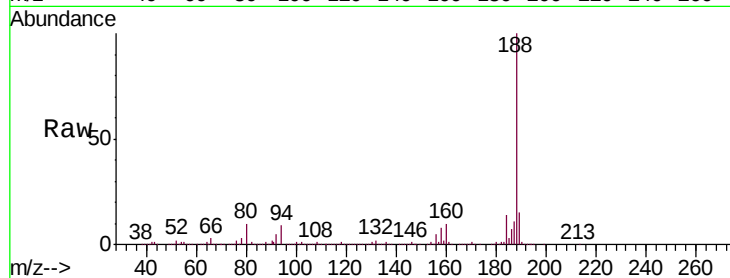
Tgt Ion:188 Resp: 778497

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

80 9.7 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

800000

600000

400000

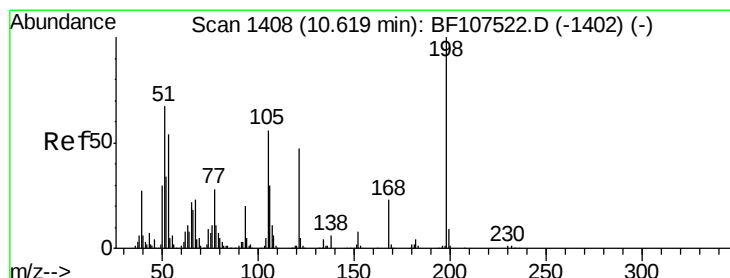
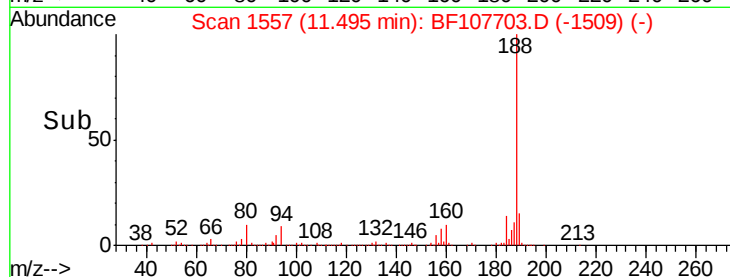
200000

0

11.49

11.40 11.50 11.60 11.70

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 8.872 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF107703.D

Acq: 26 Jul 2018 16:50

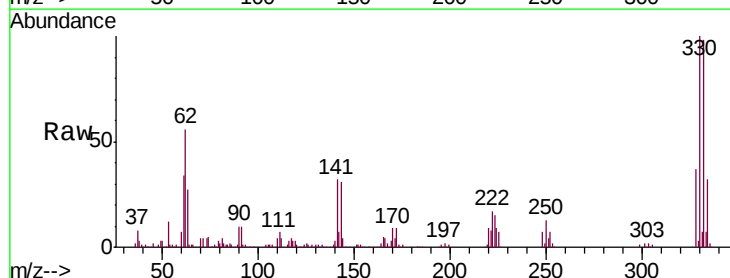
Tgt Ion:198 Resp: 878

Ion Ratio Lower Upper

198 100

51 207.7 37.7 77.7#

105 265.0 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

2000

1500

1000

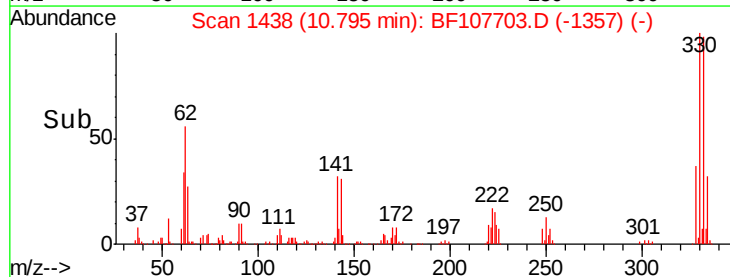
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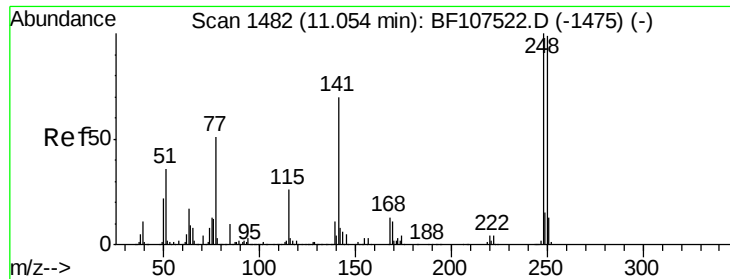
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10.80

10.70 10.80 10.90 11.00

Time-->

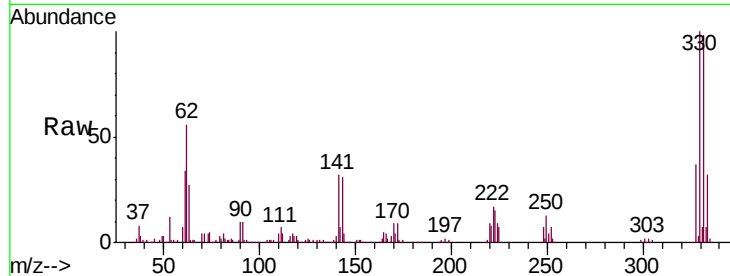




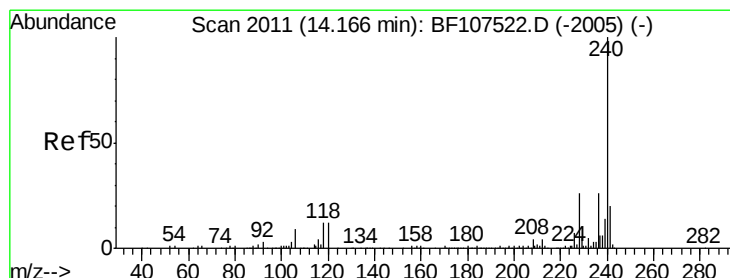
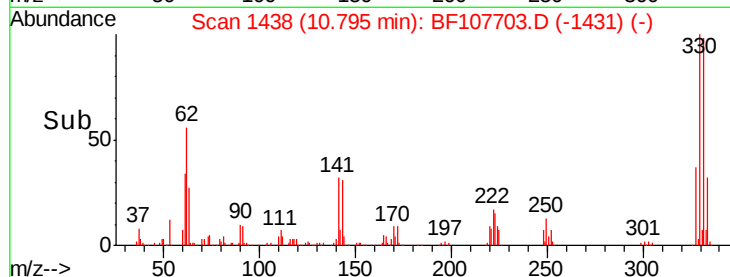
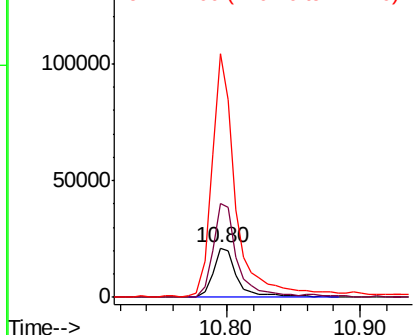
#66
4-Bromophenyl-phenylether
Concen: 2.904 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.26 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Instrument :
BNA_F
ClientSampleId :
LA-SOIL-1

Tgt Ion:248 Resp: 26615
Ion Ratio Lower Upper
248 100
250 191.7 76.9 115.3#
141 495.7 74.4 111.6#

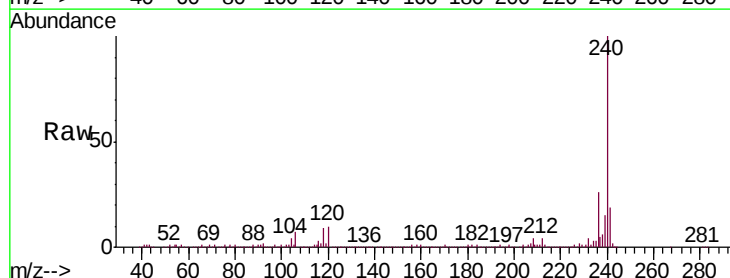


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

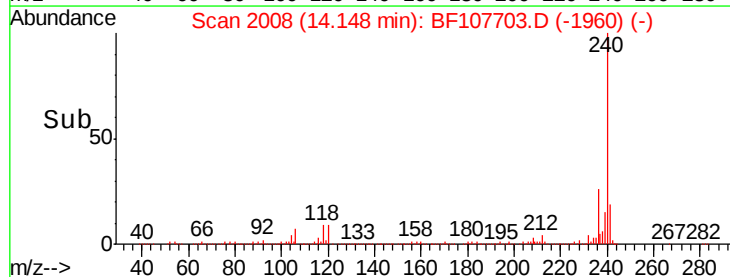
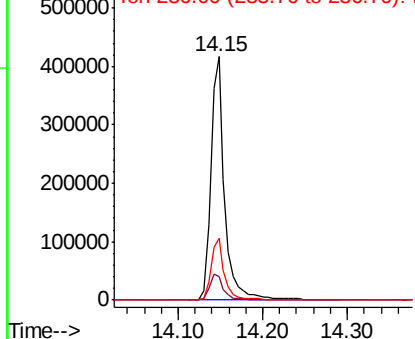


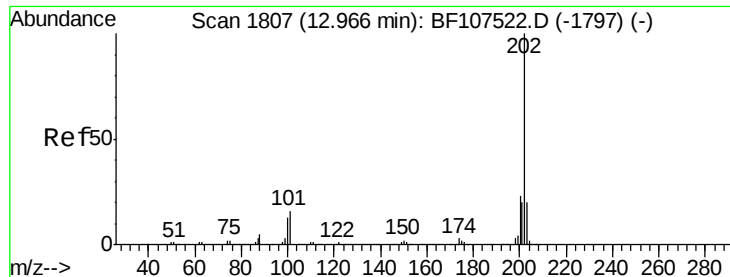
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Tgt Ion:240 Resp: 478645
Ion Ratio Lower Upper
240 100
120 9.5 9.5 14.3
236 25.5 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





#77

Pyrene

Concen: 2.466 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

Lab File: BF107703.D

Acq: 26 Jul 2018 16:50

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-1

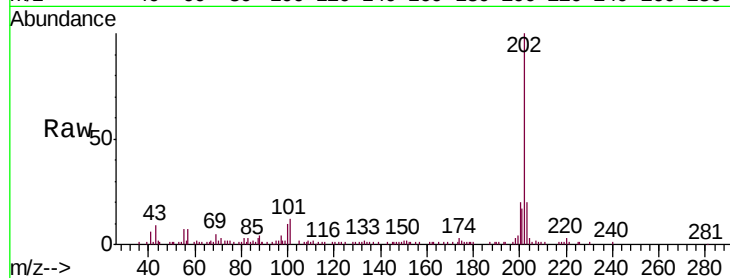
Tgt Ion:202 Resp: 80751

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

203 19.9 14.3 21.5

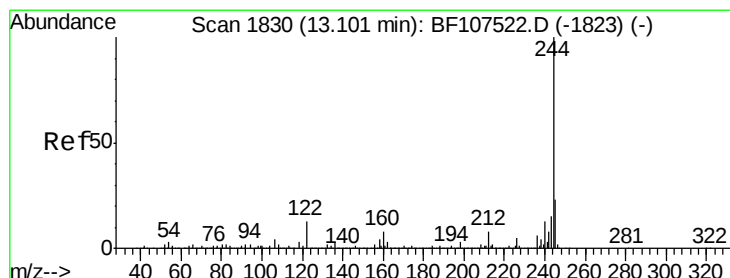
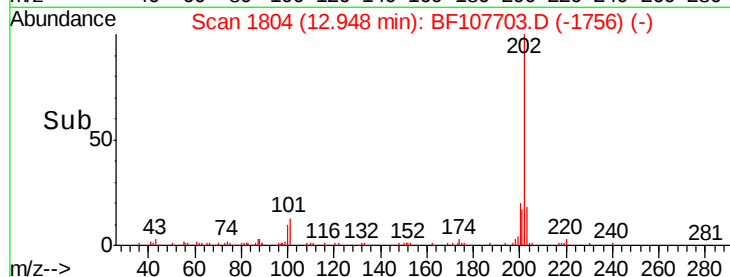
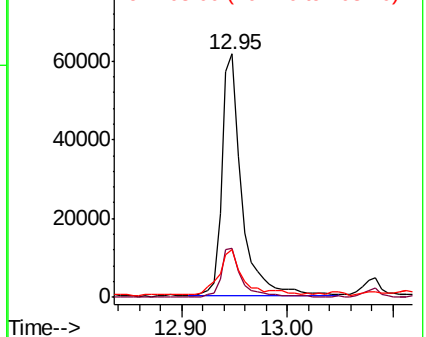


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 79.688 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107703.D

Acq: 26 Jul 2018 16:50

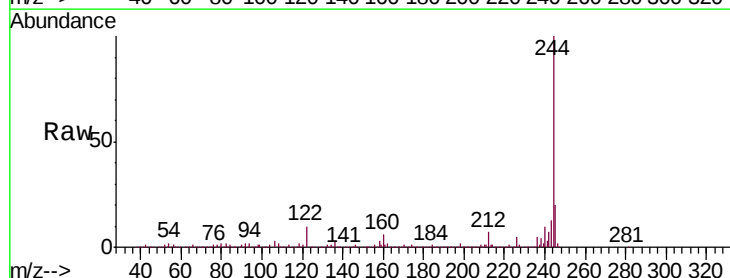
Tgt Ion:244 Resp: 1489886

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 9.7 11.0 16.4#

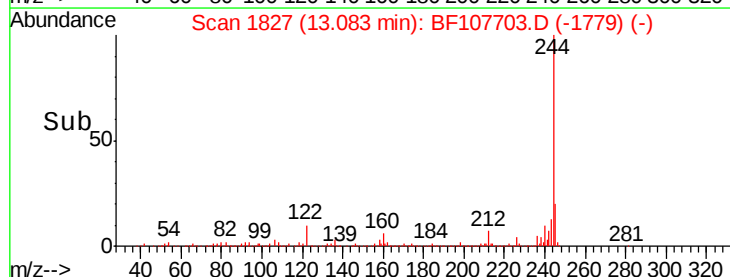
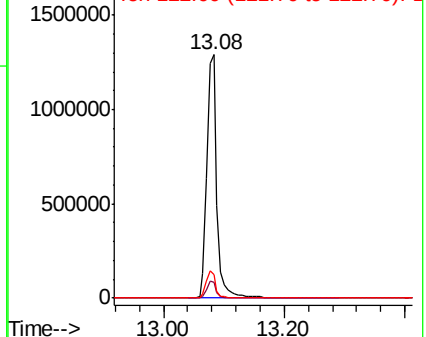


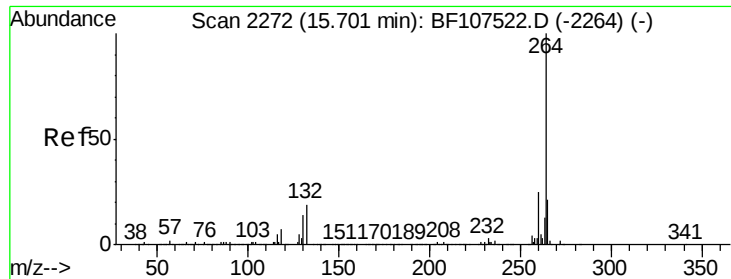
Abundance

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: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107703.D
Acq: 26 Jul 2018 16:50

Instrument :
BNA_F
ClientSampleId :
LA-SOIL-1

Tgt Ion: 264 Resp: 505888
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.3 17.5 26.3

