

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035778.D
 Acq On : 20 Jul 2018 10:24
 Operator : JU/SJ
 Sample : J4057-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-5

Quant Time: Jul 20 11:35:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

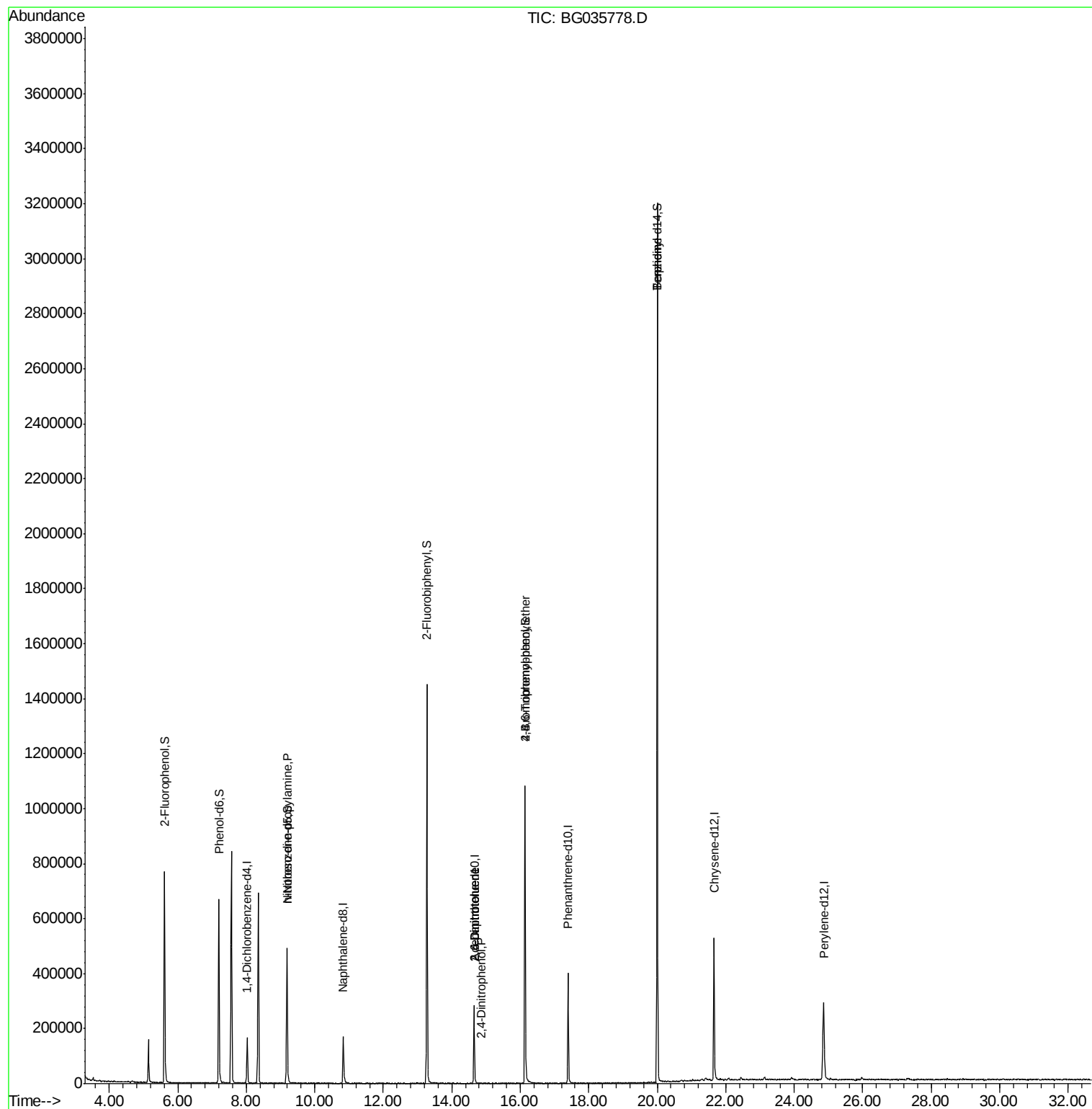
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46313	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	157737	20.00	ng	-0.01
38) Acenaphthene-d10	14.65	164	108155	20.00	ng	-0.01
63) Phenanthrene-d10	17.39	188	288169	20.00	ng	-0.01
75) Chrysene-d12	21.66	240	354789	20.00	ng	-0.02
86) Perylene-d12	24.86	264	329439	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	344671	123.56	ng	0.00
7) Phenol-d6	7.20	99	422714	101.57	ng	0.00
23) Nitrobenzene-d5	9.19	82	350319	92.78	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	208021	145.92	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	785562	97.31	ng	-0.01
78) Terphenyl-d14	20.00	244	1530440	95.09	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	47797	13.638	ng	# 73
50) 2,6-Dinitrotoluene	14.65	165	14225	7.372	ng	# 18
53) 2,4-Dinitrophenol	14.87	184	59	6.637	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	14225	5.138	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	17288	5.171	ng	# 1
76) Benzidine	20.00	184	26688	2.861	ng	# 92

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

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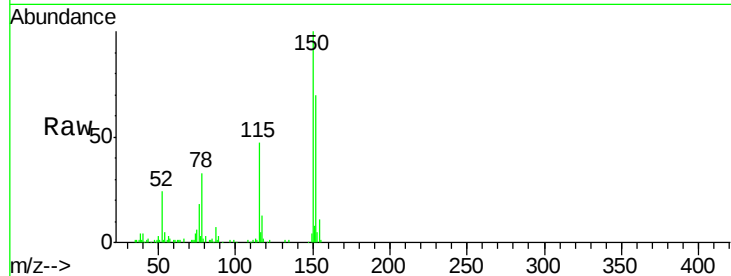


#1

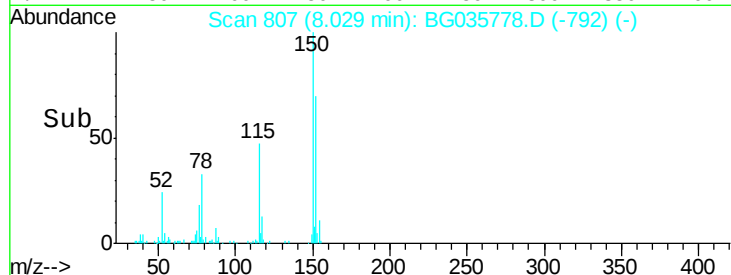
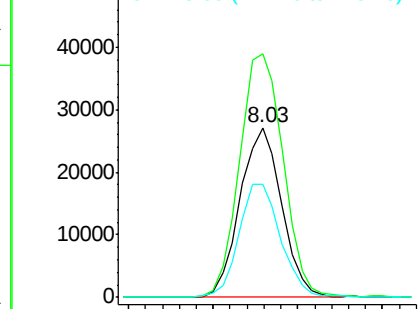
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-5

Tgt Ion:152 Resp: 46313
Ion Ratio Lower Upper
152 100
150 143.6 126.6 189.8
115 67.0 53.0 79.4



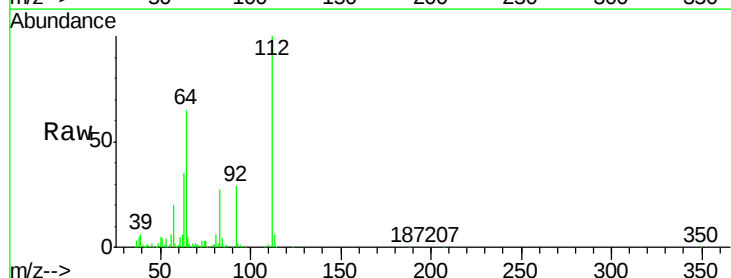
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



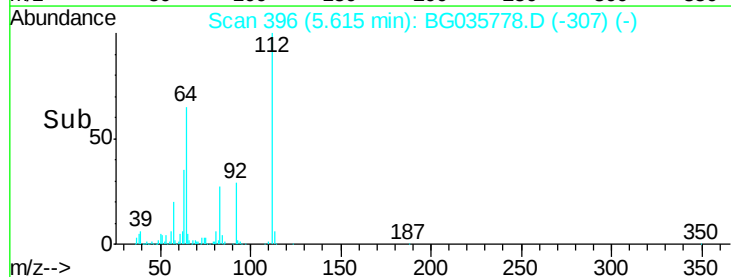
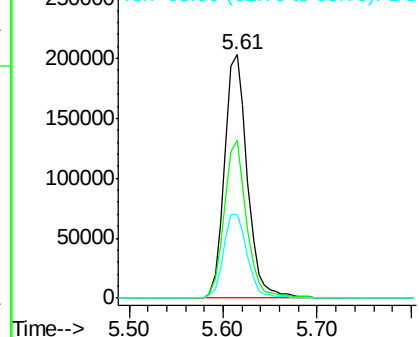
#5

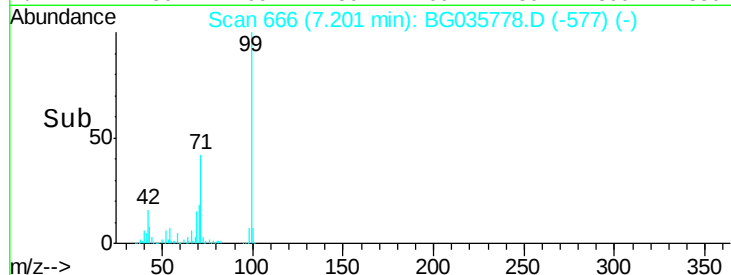
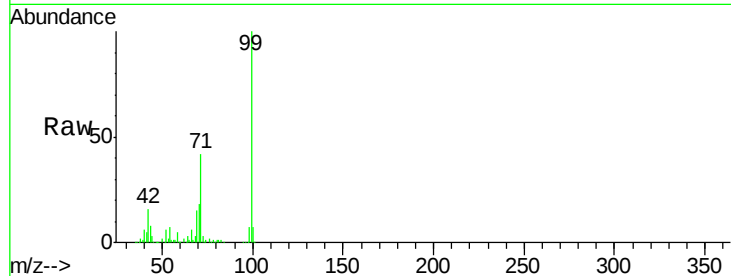
2-Fluorophenol
Concen: 123.558 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

Tgt Ion:112 Resp: 344671
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 34.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 101.566 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-5

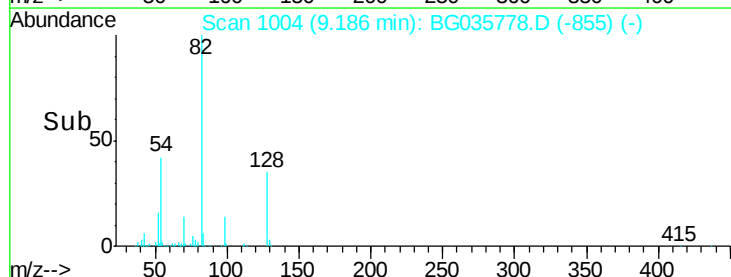
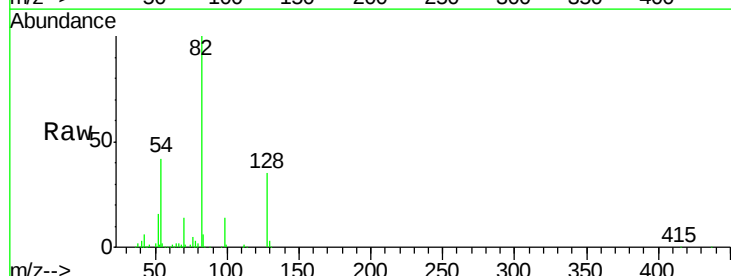
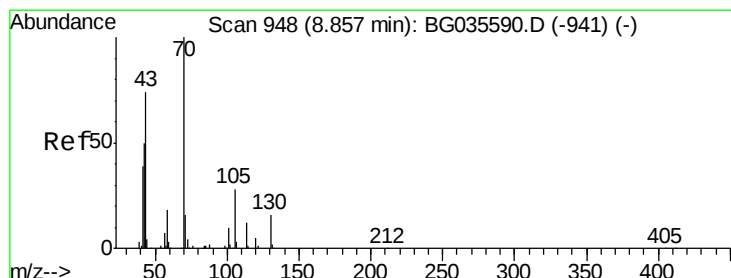
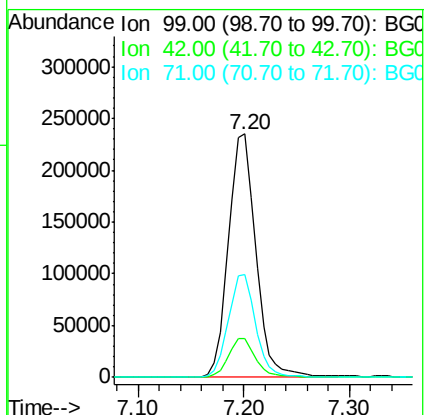
Tgt Ion: 99 Resp: 422714

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

71 42.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.638 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.35 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

Tgt Ion: 70 Resp: 47797

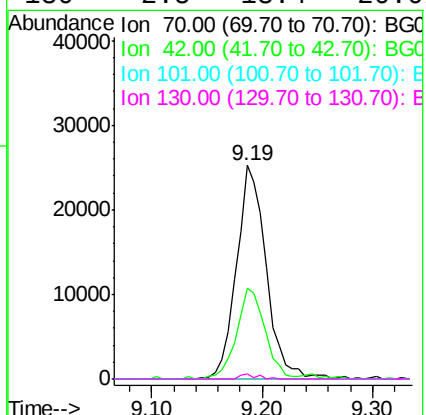
Ion Ratio Lower Upper

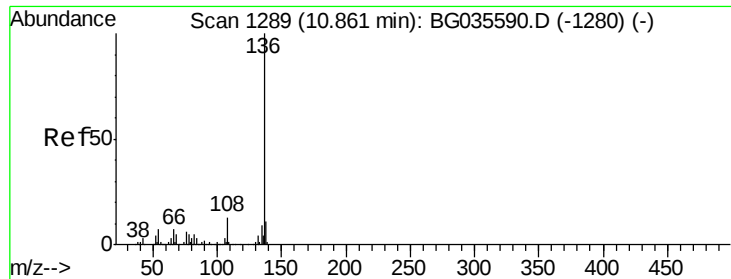
70 100

42 42.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#

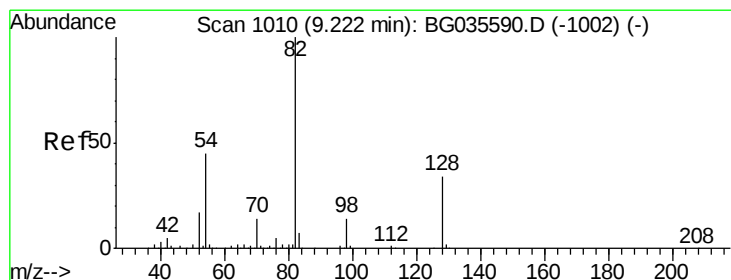
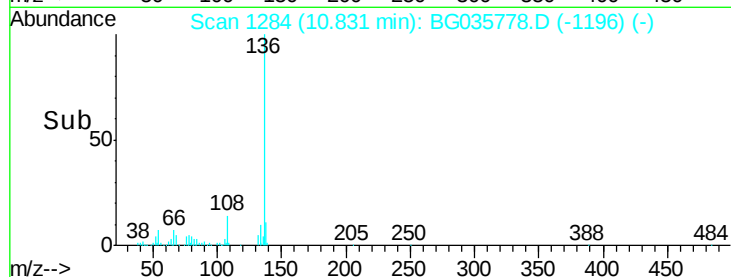
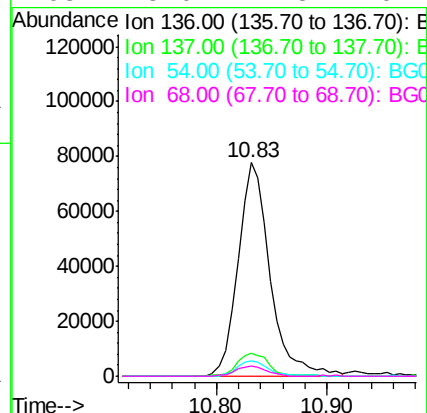
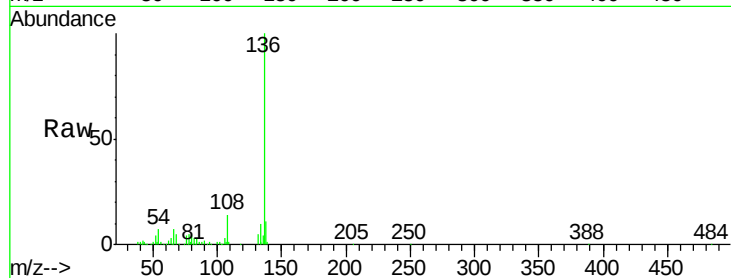




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

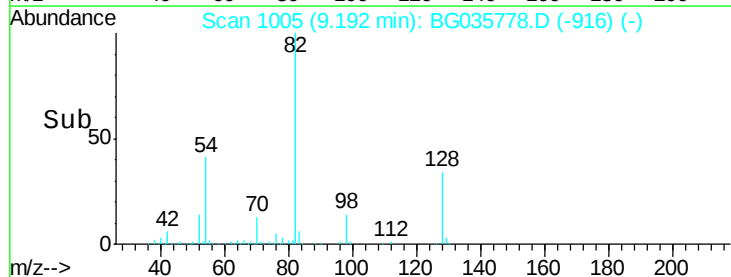
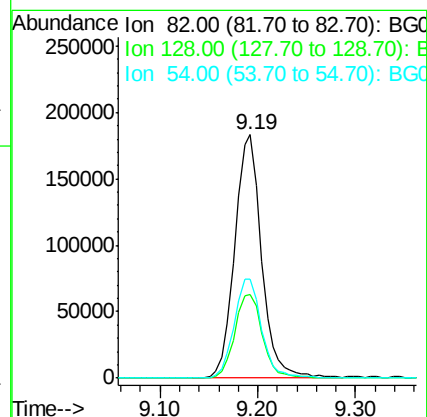
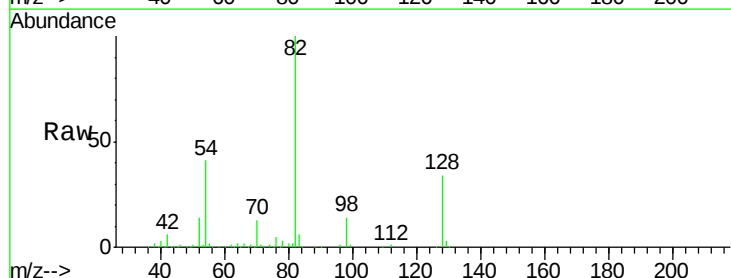
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-5

Tgt Ion:	136	Resp:	157737
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.2	10.3	15.5#
68	5.0	4.5	6.7



#23
Nitrobenzene-d5
Concen: 92.778 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

Tgt Ion:	82	Resp:	350319
Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.7	44.5
54	40.8	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-5

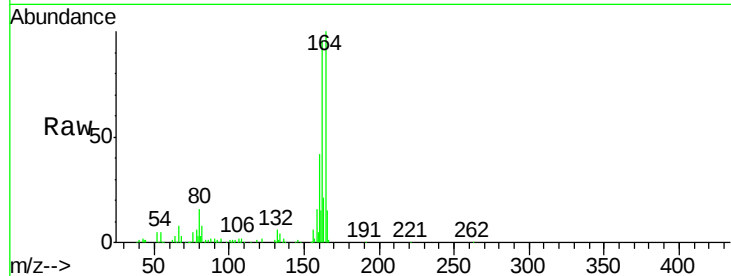
Tgt Ion:164 Resp: 108155

Ion Ratio Lower Upper

164 100

162 95.9 78.8 118.2

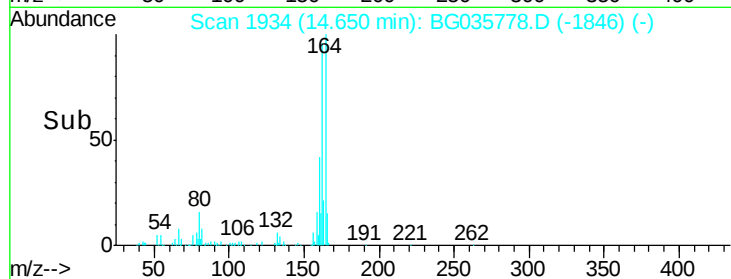
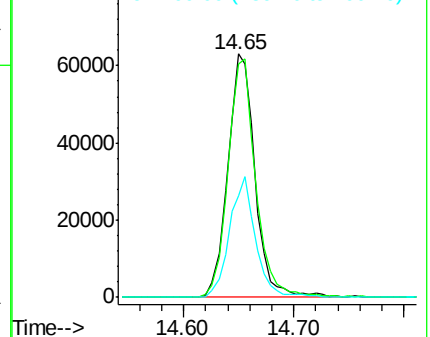
160 41.9 35.4 53.0



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: 145.923 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

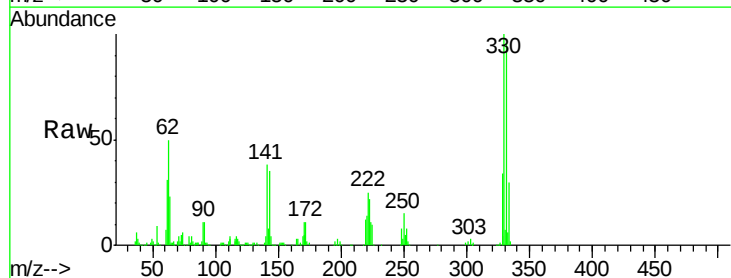
Tgt Ion:330 Resp: 208021

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

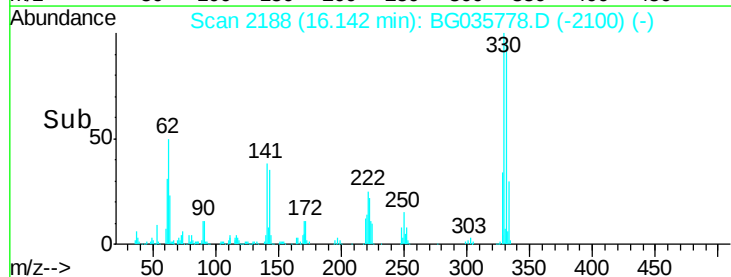
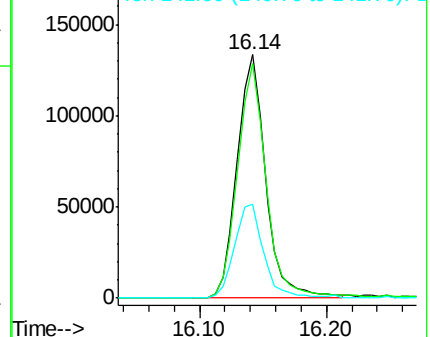
141 38.9 25.2 37.8#

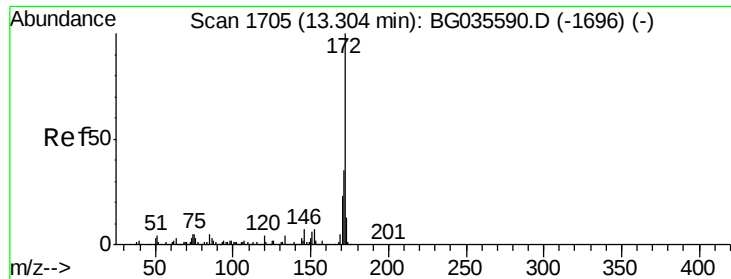


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

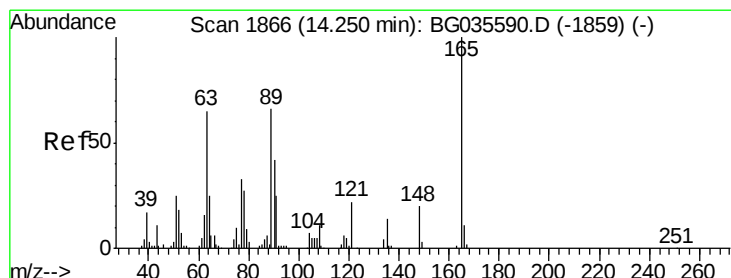
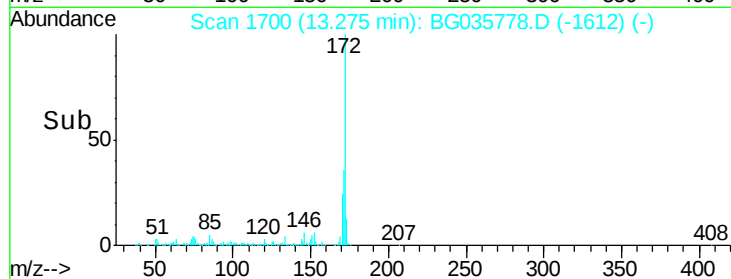
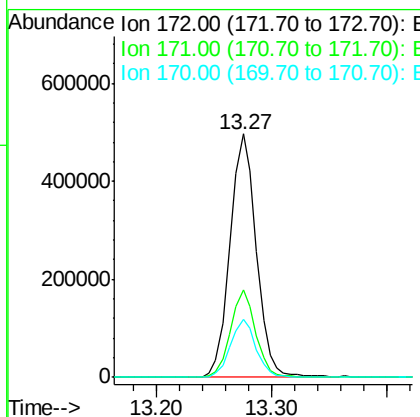
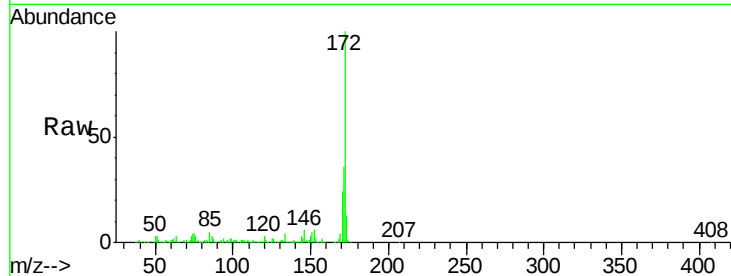




#44
 2-Fluorobiphenyl
 Concen: 97.309 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: BG035778.D
 Acq: 20 Jul 2018 10:24

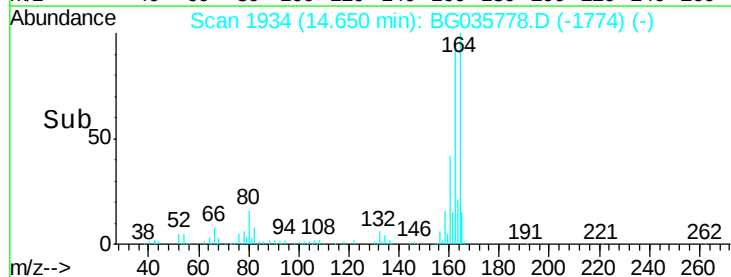
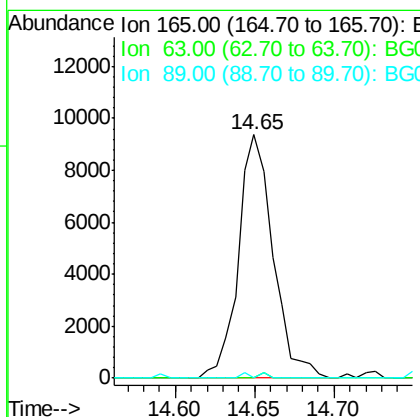
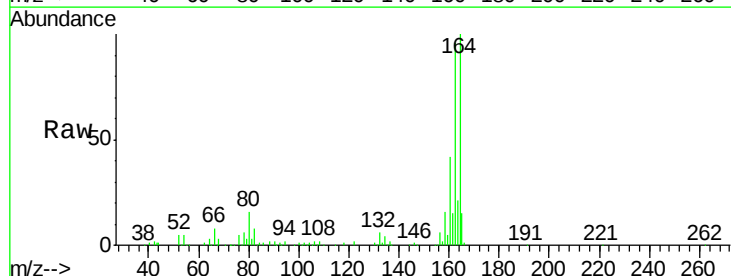
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-5

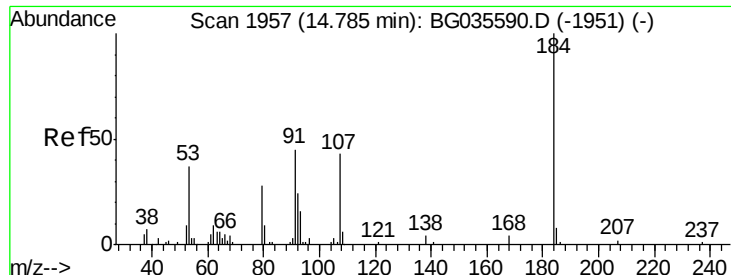
Tgt Ion:172 Resp: 785562
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.0 45.0
 170 24.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.372 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG035778.D
 Acq: 20 Jul 2018 10:24

Tgt Ion:165 Resp: 14225
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

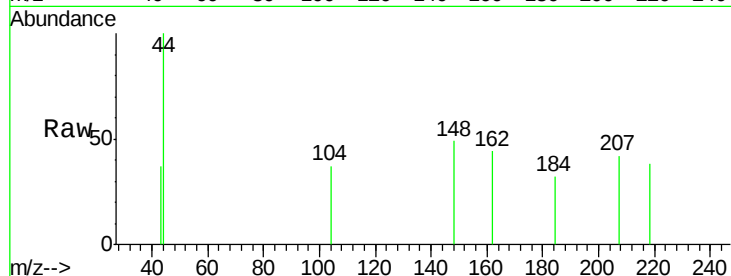




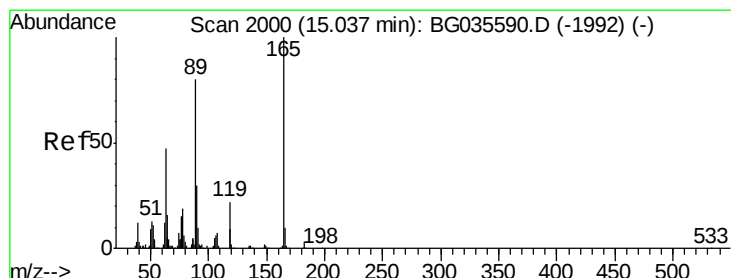
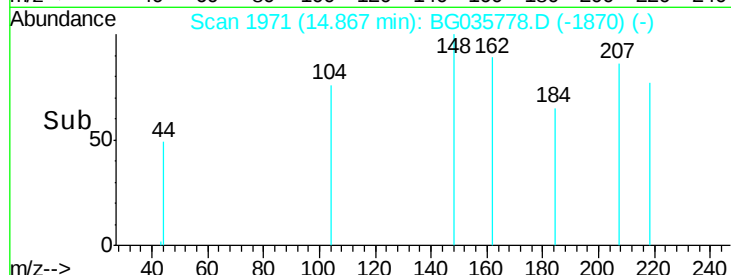
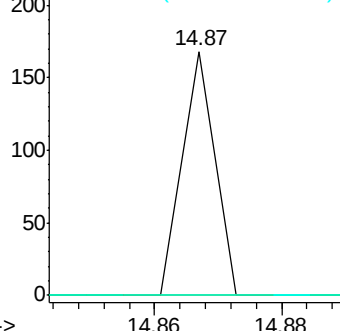
#53
2,4-Dinitrophenol
Concen: 6.637 ng
RT: 14.87 min Scan# 1971
Delta R.T. 0.06 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-5

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

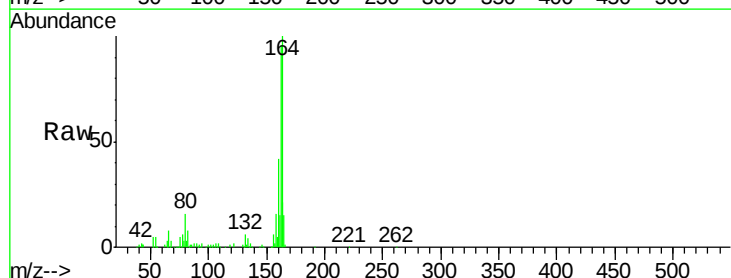


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

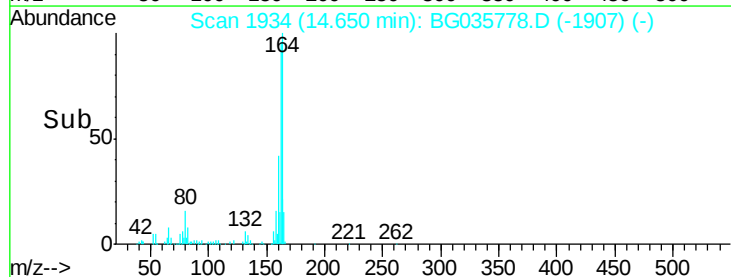
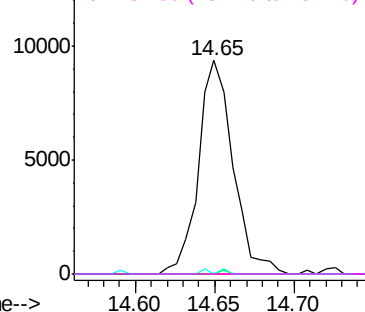


#56
2,4-Dinitrotoluene
Concen: 5.138 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.37 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

Tgt Ion:165 Resp: 14225
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-5

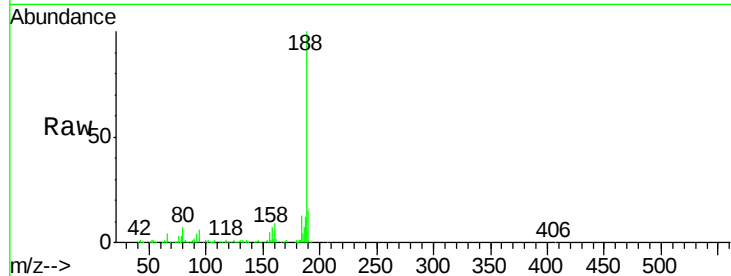
Tgt Ion:188 Resp: 288169

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

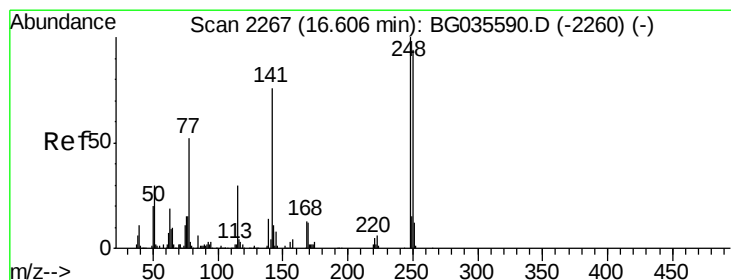
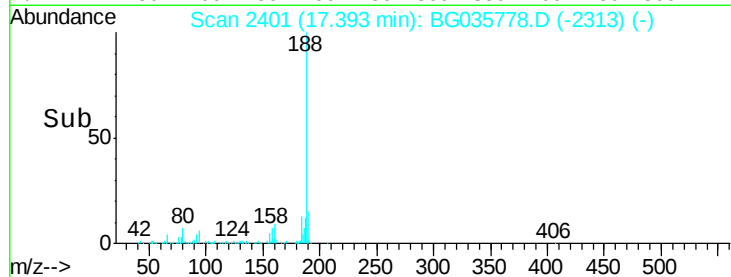
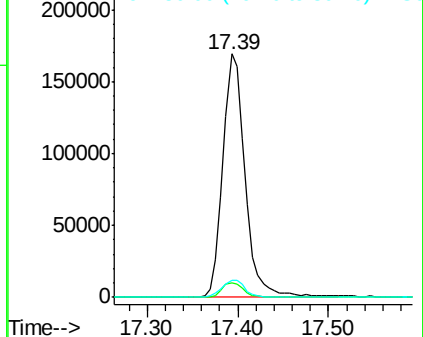
80 7.1 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 5.171 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.46 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

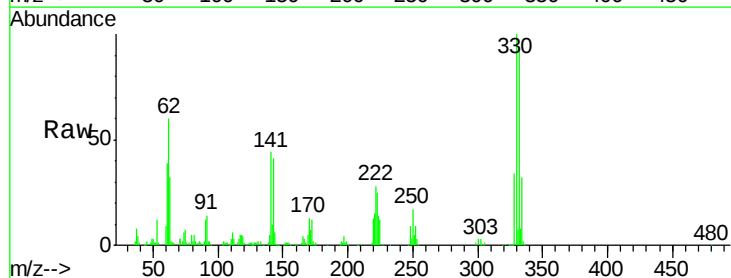
Tgt Ion:248 Resp: 17288

Ion Ratio Lower Upper

248 100

250 183.5 77.1 115.7#

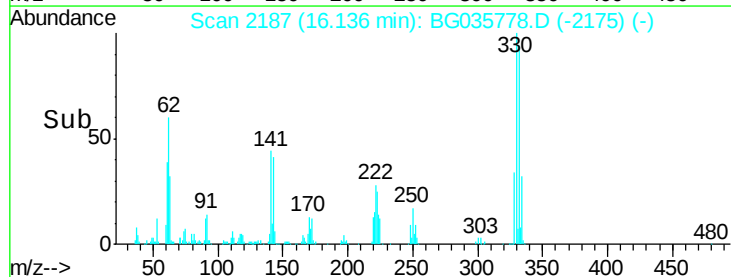
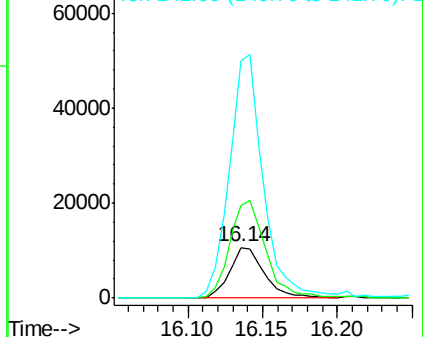
141 469.3 50.8 76.2#



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

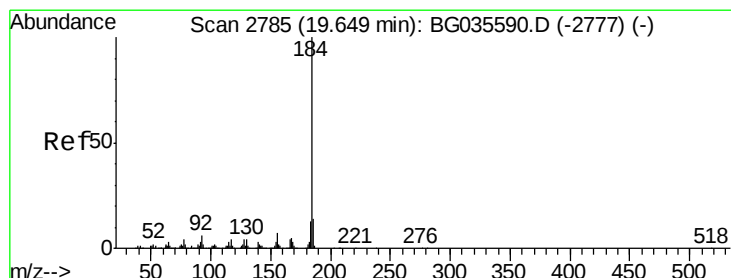
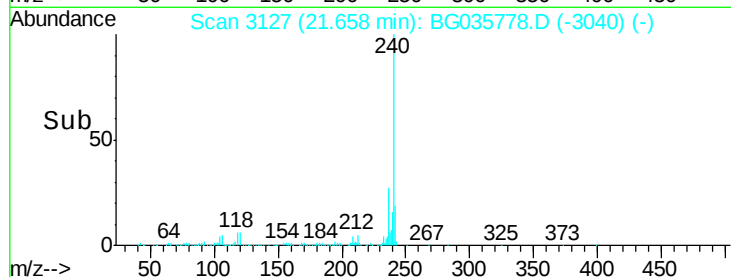
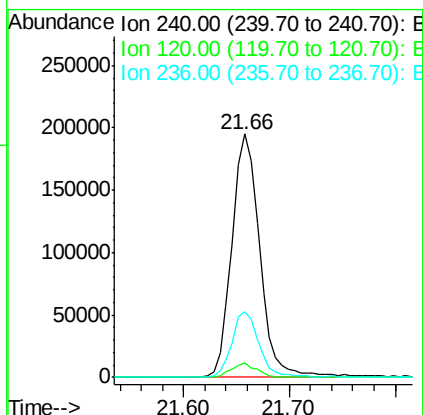
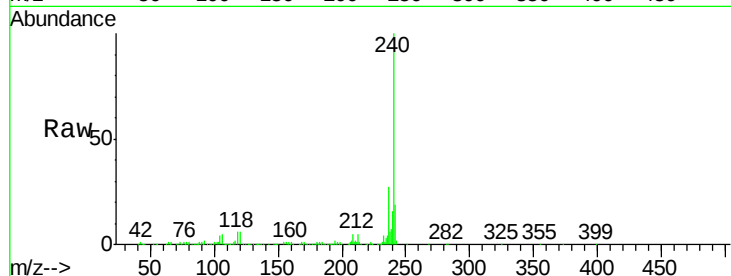




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

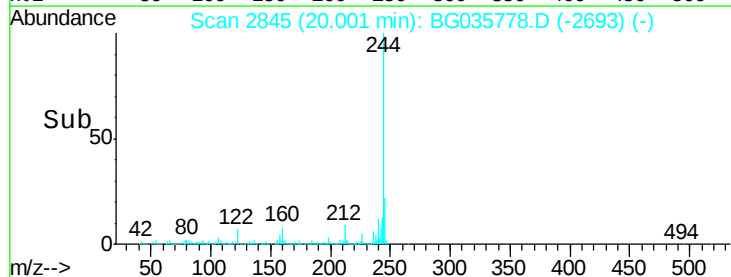
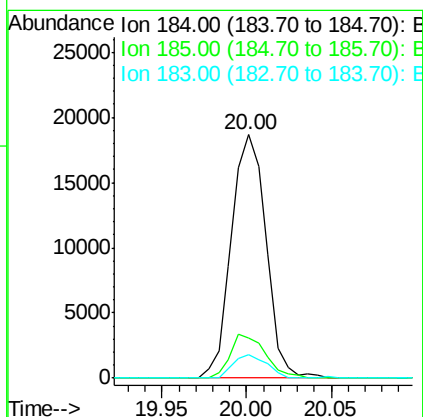
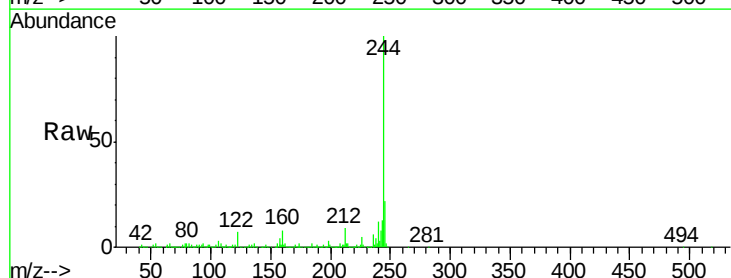
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-5

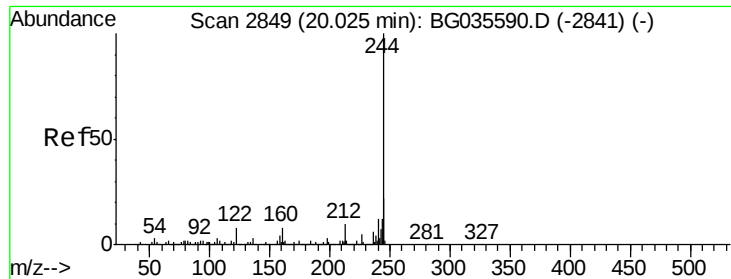
Tgt Ion:240 Resp: 354789
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 27.0 20.9 31.3



#76
Benzidine
Concen: 2.861 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.36 min
Lab File: BG035778.D
Acq: 20 Jul 2018 10:24

Tgt Ion:184 Resp: 26688
Ion Ratio Lower Upper
184 100
185 16.4 11.1 16.7
183 9.7 10.6 16.0#





#78

Terphenyl-d14

Concen: 95.086 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

Instrument :

BNA_G

ClientSampled :

LS-SOIL-5

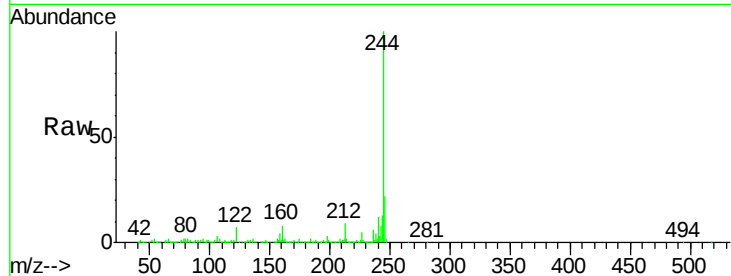
Tgt Ion:244 Resp: 1530440

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

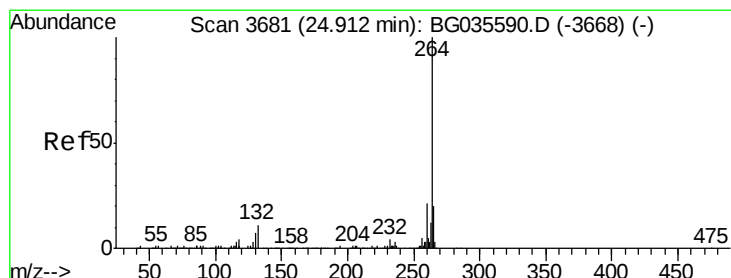
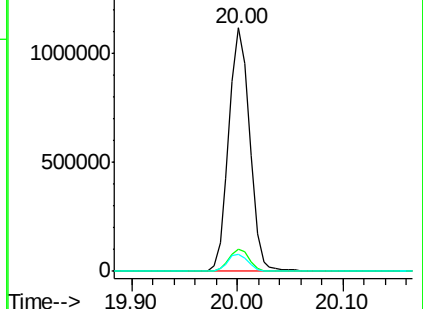
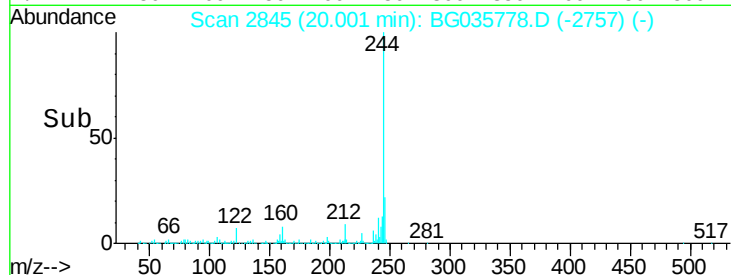
122 7.1 7.0 10.4



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: 24.86 min Scan# 3672

Delta R.T. -0.02 min

Lab File: BG035778.D

Acq: 20 Jul 2018 10:24

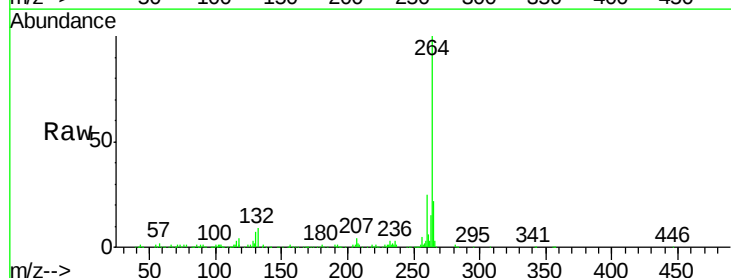
Tgt Ion:264 Resp: 329439

Ion Ratio Lower Upper

264 100

260 24.8 17.4 26.0

265 21.7 17.7 26.5



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

