

Data File : BG037966.D
Acq On : 13 Nov 2018 5:17
Operator : JU/SJ
Sample : J5905-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
06-TANK-SOIL

Quant Time: Nov 13 06:38:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

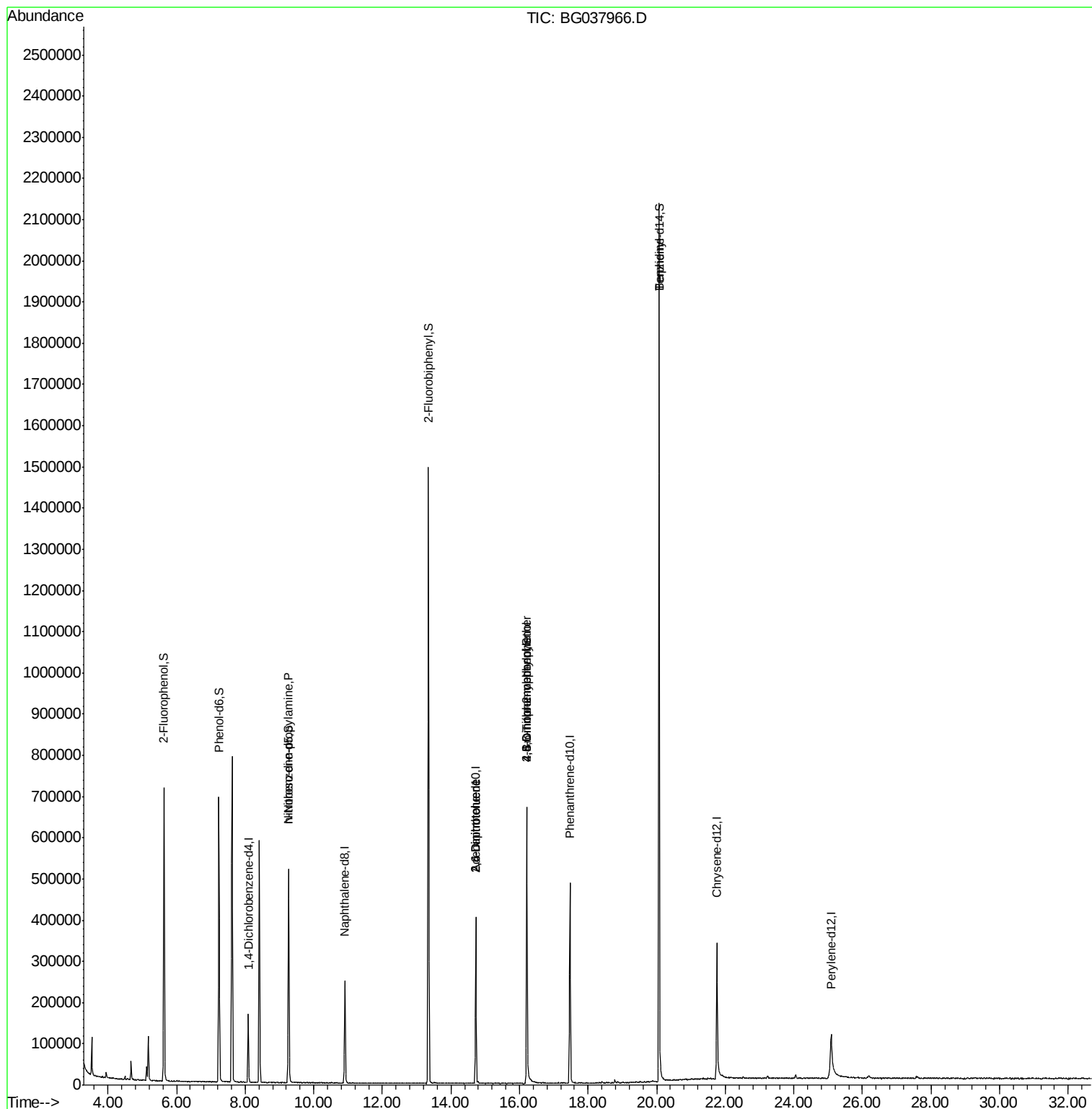
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	50597	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	223976	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	144461	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	316188	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	263238	20.00	ng	-0.02
87) Perylene-d12	25.09	264	184986	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	334758	110.61	ng	-0.01
7) Phenol-d6	7.24	99	440233	96.20	ng	-0.01
23) Nitrobenzene-d5	9.27	82	333945	83.52	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	138184	87.70	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	811486	84.71	ng	-0.02
79) Terphenyl-d14	20.07	244	1115890	90.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	41561	13.189	ng	# 72
51) 2,6-Dinitrotoluene	14.72	165	18846	7.623	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	18846	5.807	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.20	198	311	8.662	ng	77
67) 4-Bromophenyl-phenylether	16.21	248	9969	2.871	ng	# 1
77) Benzidine	20.07	184	18147	2.027	ng	# 93

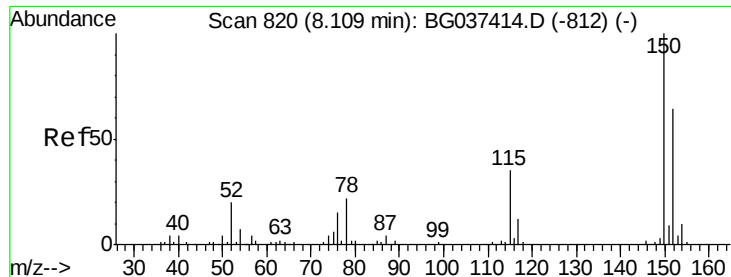
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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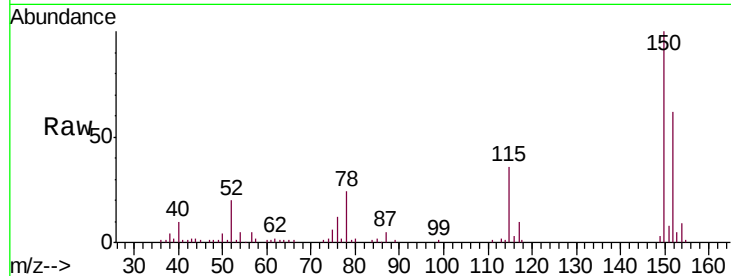




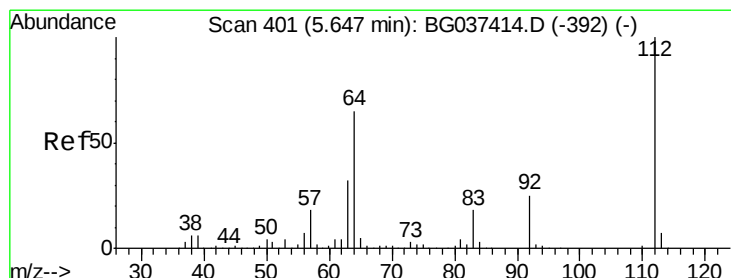
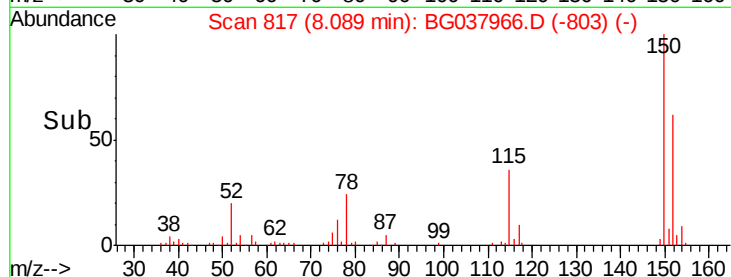
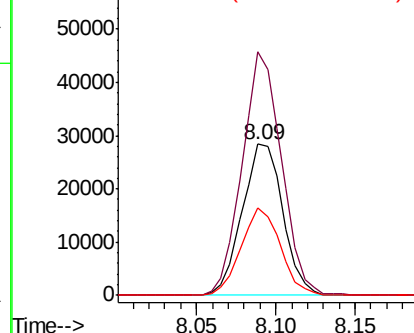
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.09 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

Instrument :
 BNA_G
 ClientSampleId :
 06-TANK-SOIL

Tgt Ion:152 Resp: 50597
 Ion Ratio Lower Upper
 152 100
 150 161.2 126.0 189.0
 115 57.6 45.5 68.3

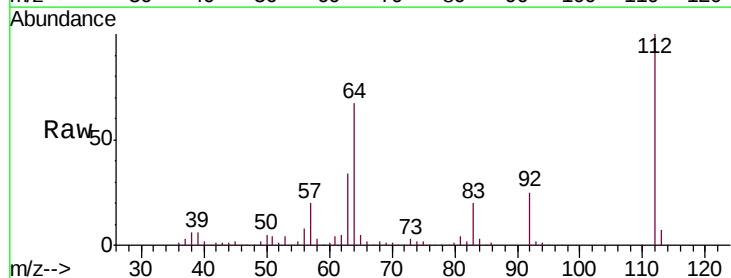


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

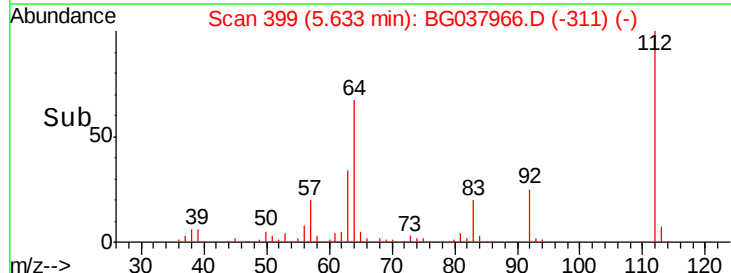
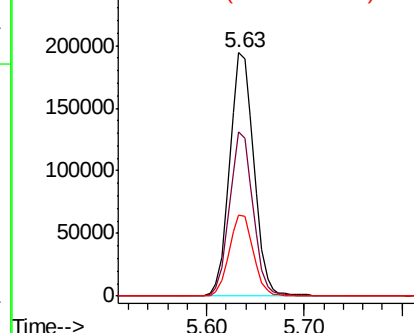


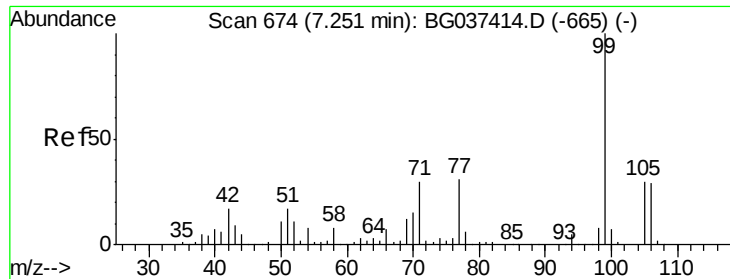
#5
 2-Fluorophenol
 Concen: 110.613 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

Tgt Ion:112 Resp: 334758
 Ion Ratio Lower Upper
 112 100
 64 67.2 53.1 79.7
 63 33.5 27.3 40.9



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





#7

Phenol-d6

Concen: 96.198 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

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Acq: 13 Nov 2018 5:17

Instrument :

BNA_G

ClientSampleId :

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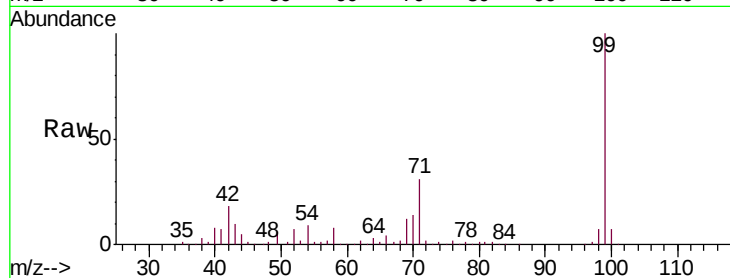
Tgt Ion: 99 Resp: 440233

Ion Ratio Lower Upper

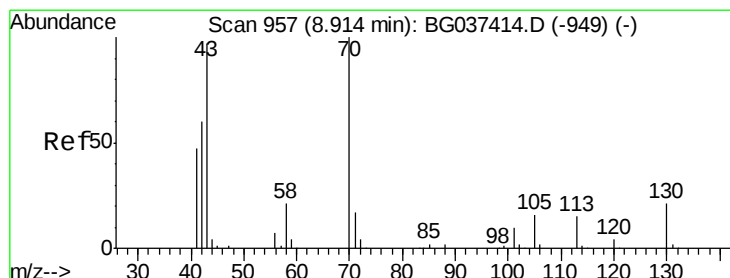
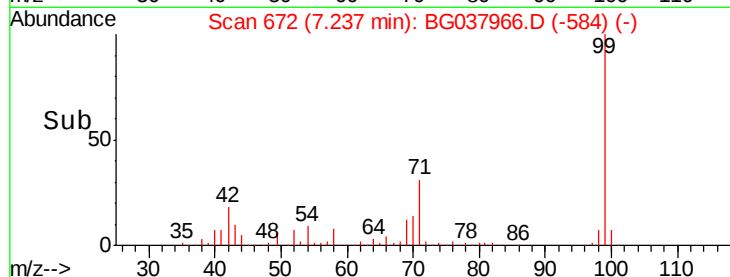
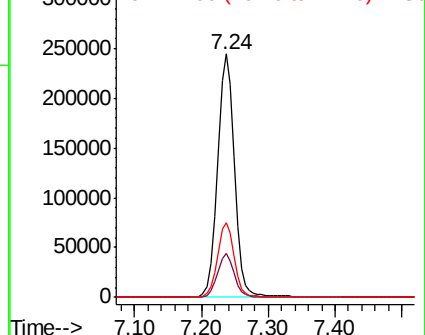
99 100

42 18.1 15.0 22.4

71 30.9 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.189 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037966.D

Acq: 13 Nov 2018 5:17

Tgt Ion: 70 Resp: 41561

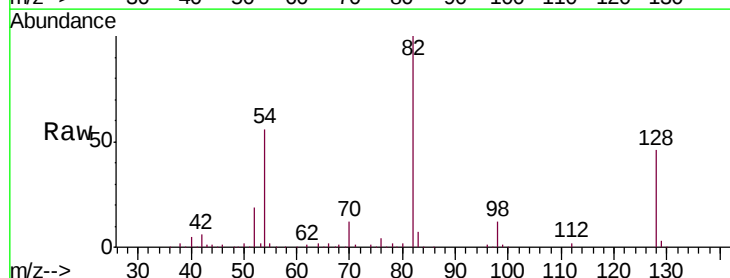
Ion Ratio Lower Upper

70 100

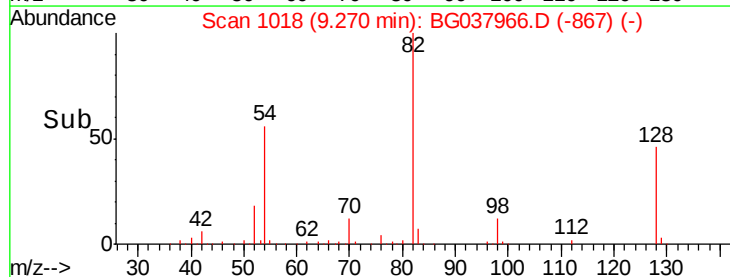
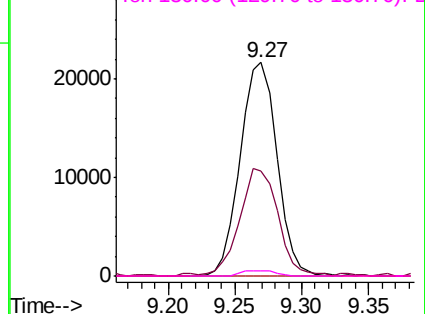
42 49.0 53.9 80.9#

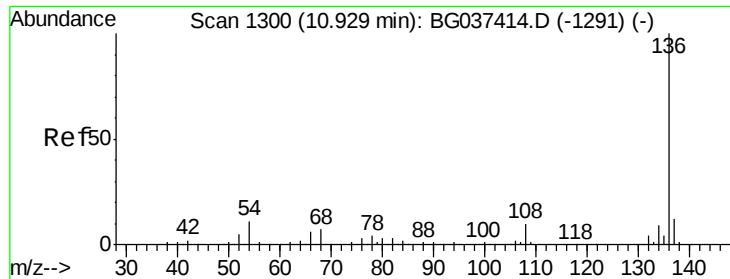
101 0.0 8.2 12.2#

130 2.2 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

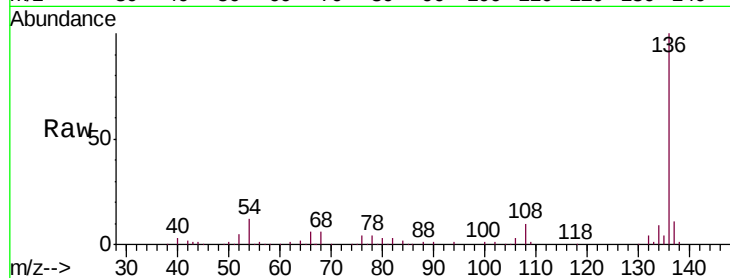




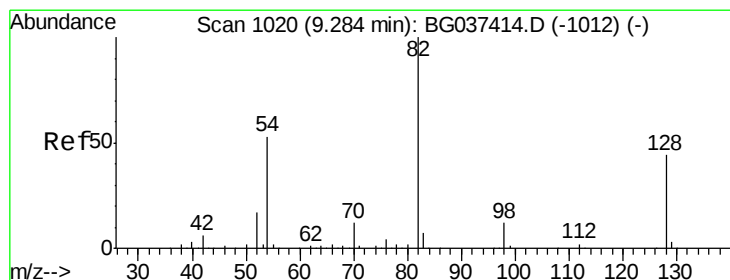
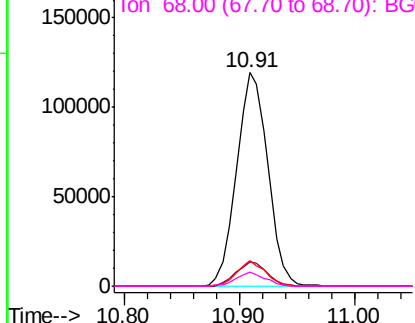
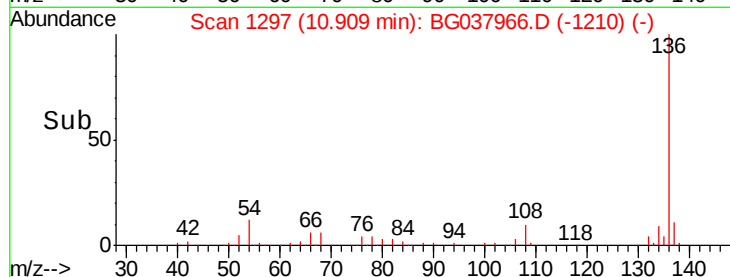
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG037966.D
Acq: 13 Nov 2018 5:17

Instrument :
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Tgt Ion:	136	Resp:	223976
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	12.1	7.9	11.9#
68	6.5	4.8	7.2

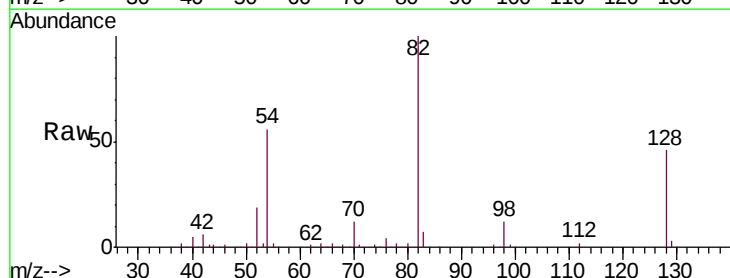


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

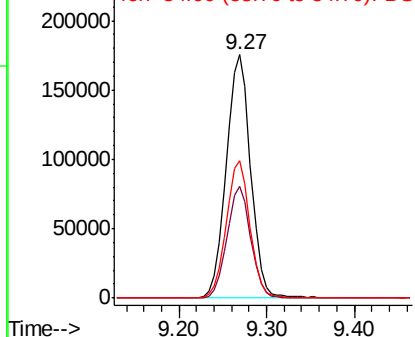
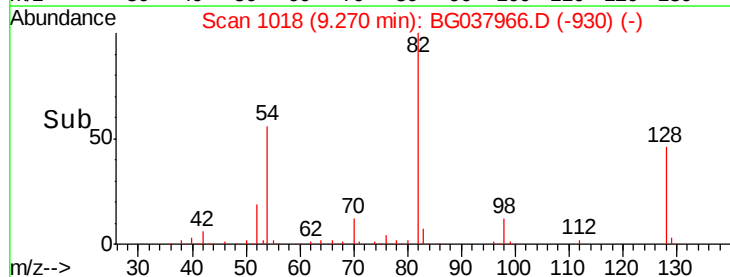


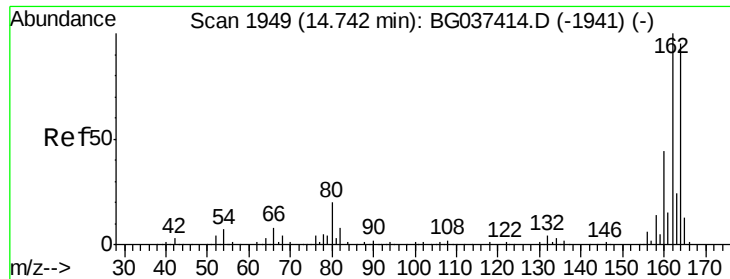
#23
Nitrobenzene-d5
Concen: 83.523 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037966.D
Acq: 13 Nov 2018 5:17

Tgt Ion:	82	Resp:	333945
Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.6	51.8
54	56.2	45.3	67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG037966.D

Acq: 13 Nov 2018 5:17

Instrument :

BNA_G

ClientSampleId :

06-TANK-SOIL

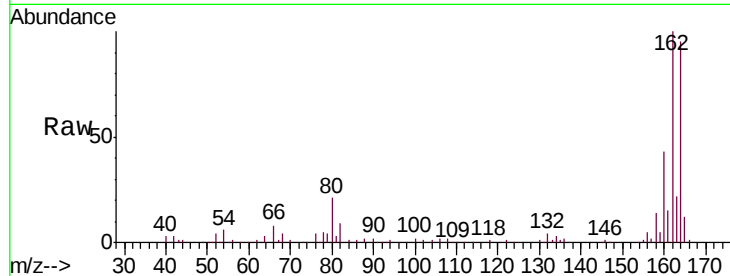
Tgt Ion:164 Resp: 144461

Ion Ratio Lower Upper

164 100

162 105.6 81.3 121.9

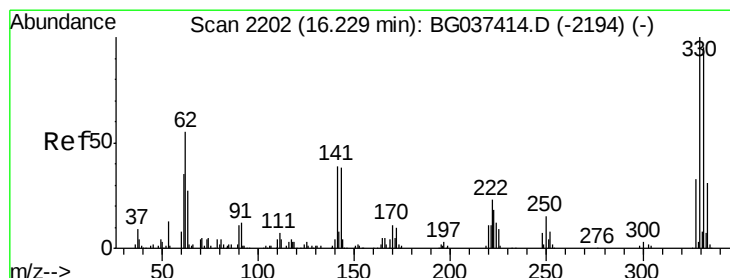
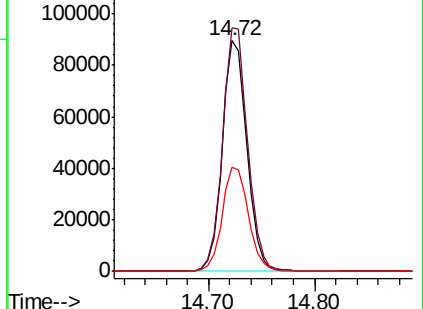
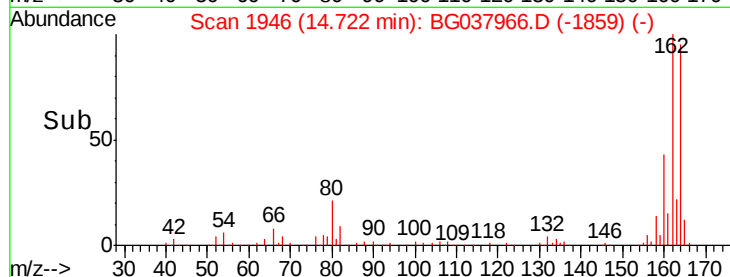
160 45.1 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 87.701 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037966.D

Acq: 13 Nov 2018 5:17

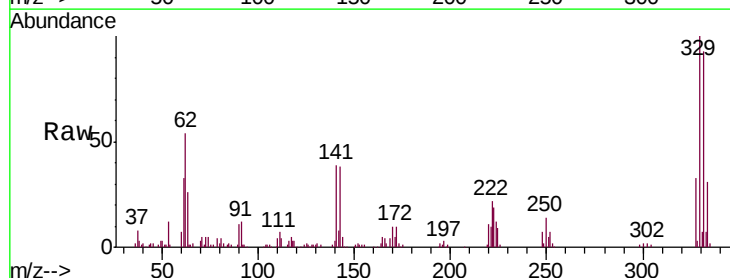
Tgt Ion:330 Resp: 138184

Ion Ratio Lower Upper

330 100

332 95.2 78.4 117.6

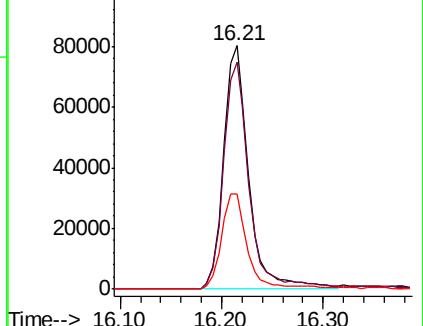
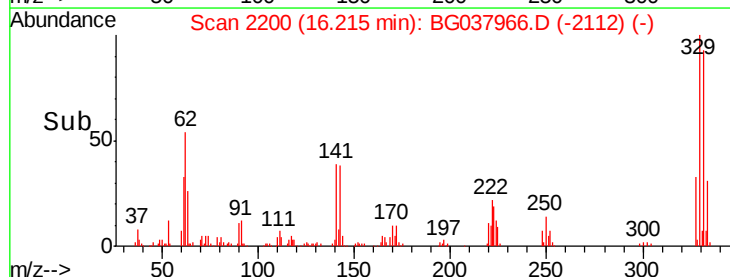
141 41.1 32.2 48.2

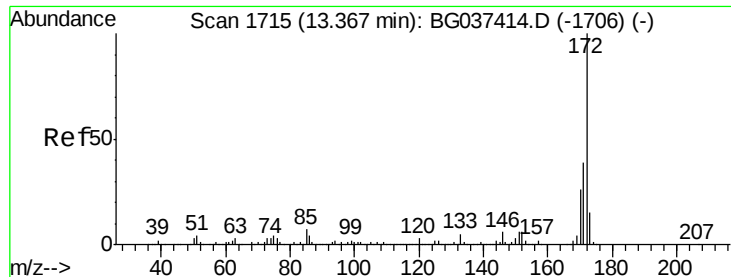


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

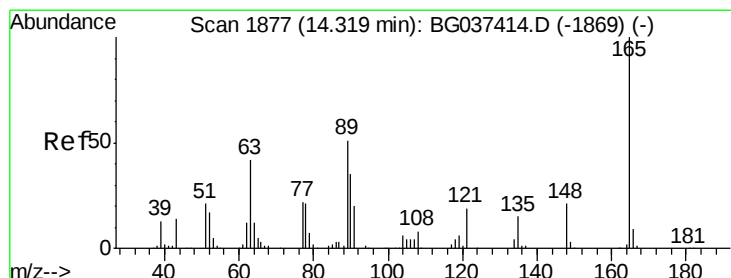
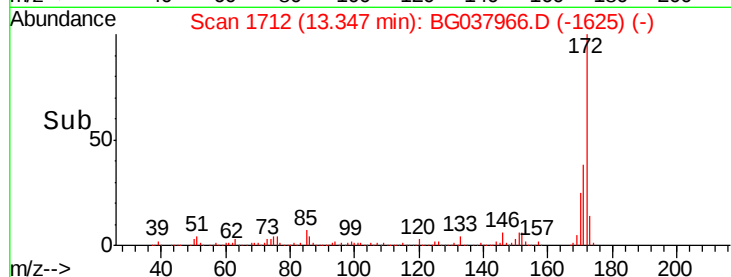
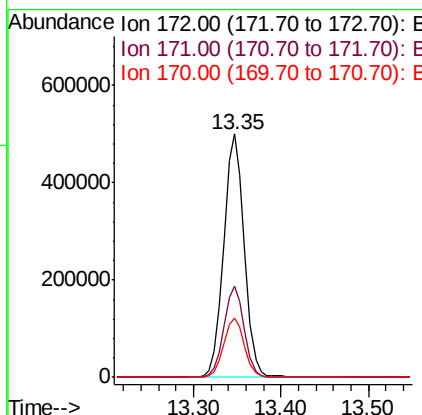
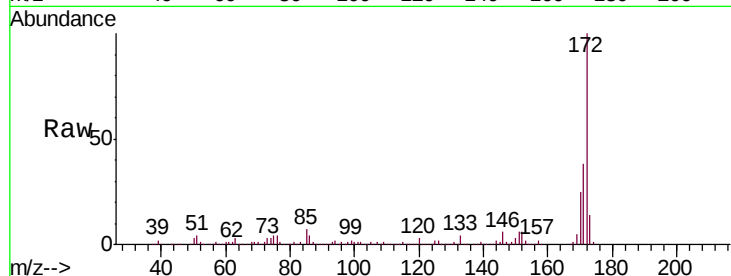




#45
 2-Fluorobiphenyl
 Concen: 84.706 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

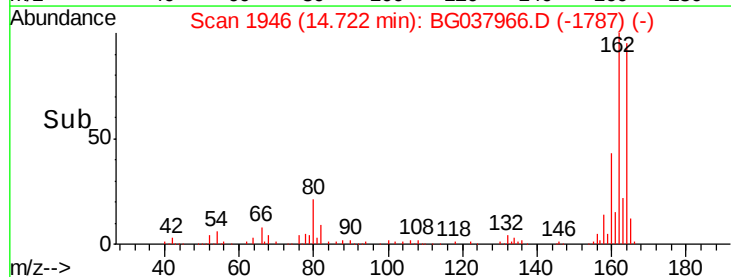
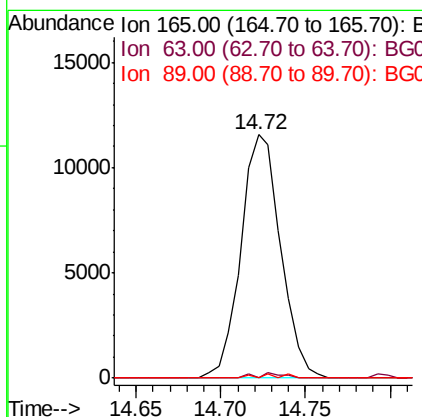
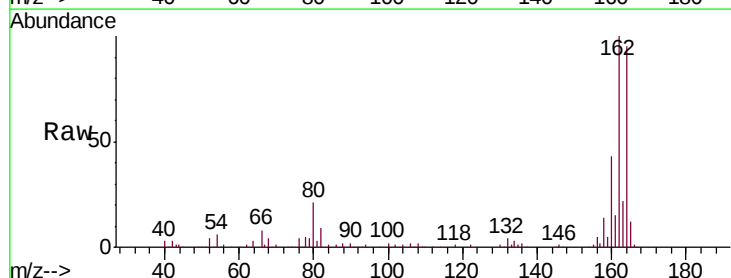
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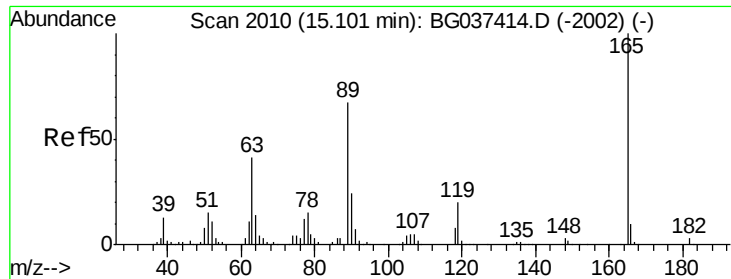
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.0	46.4
170	24.6	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.623 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.40 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#

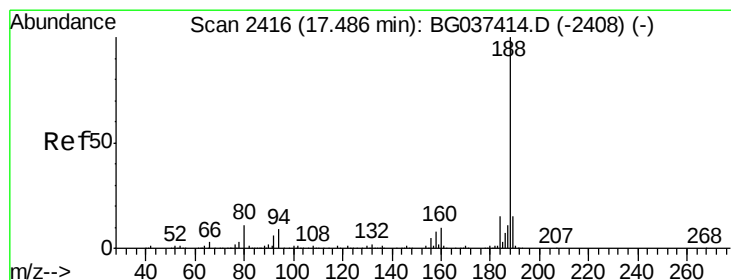
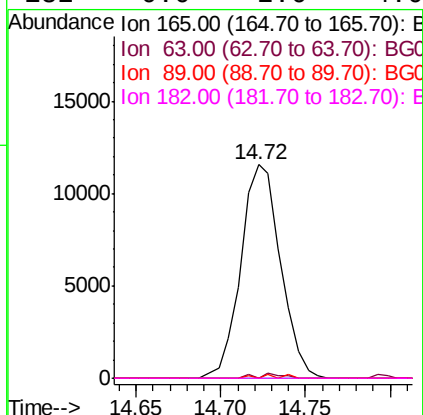
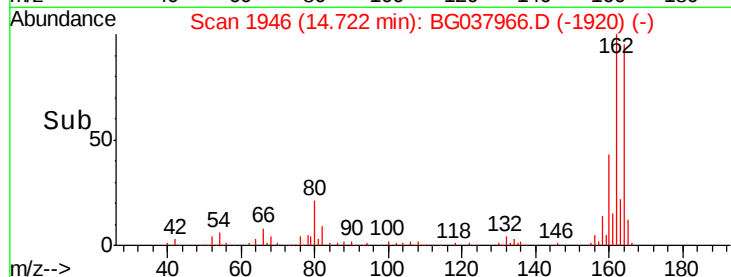
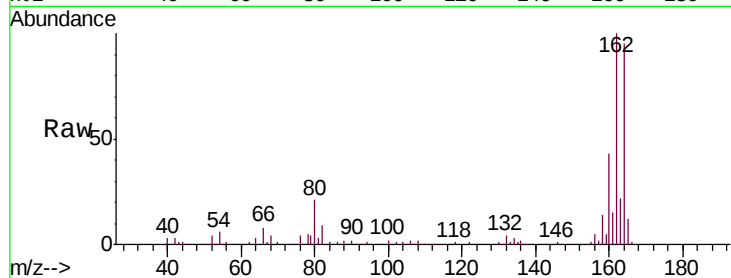




#57
 2,4-Dinitrotoluene
 Concen: 5.807 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.38 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

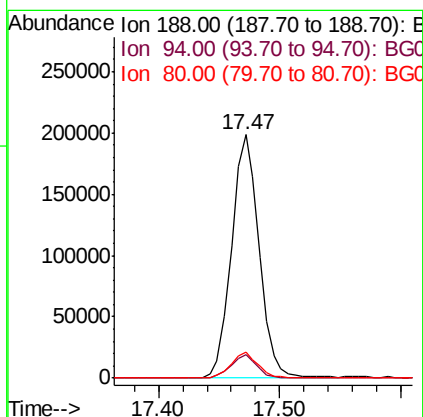
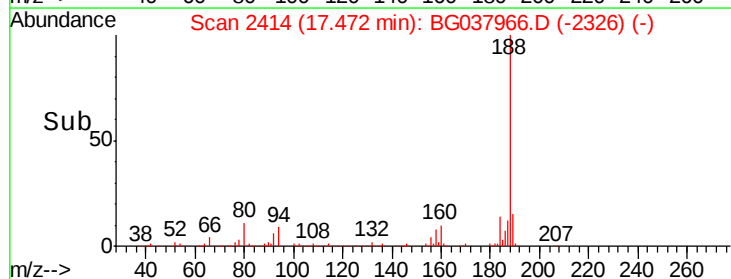
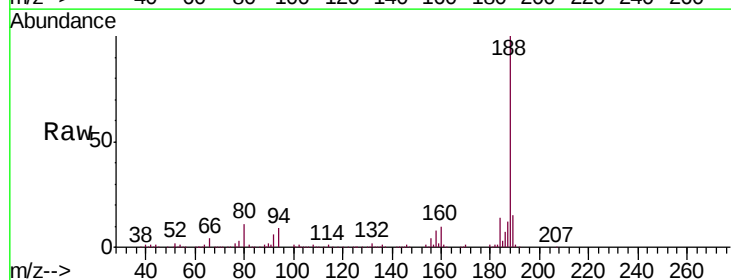
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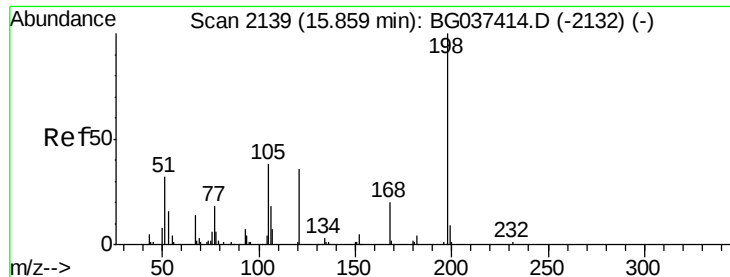
Tgt Ion:	165	Resp:	18846
Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

Tgt Ion:	188	Resp:	316188
Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.8	7.7	11.5

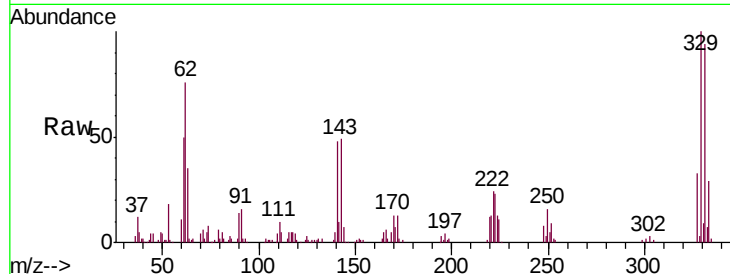




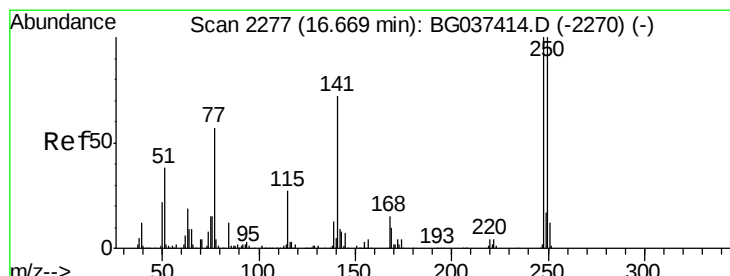
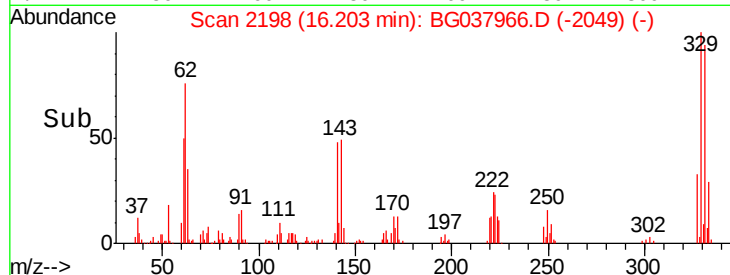
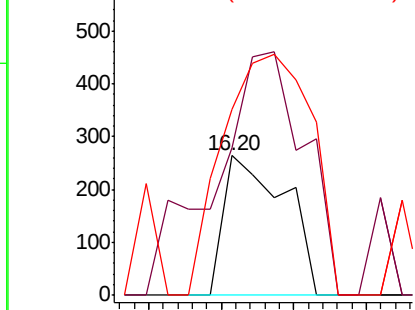
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.662 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. 0.34 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

Instrument :
 BNA_G
 ClientSampleId :
 06-TANK-SOIL

Tgt Ion:198 Resp: 311
 Ion Ratio Lower Upper
 198 100
 51 24.1 22.7 62.7
 105 30.2 19.7 59.7

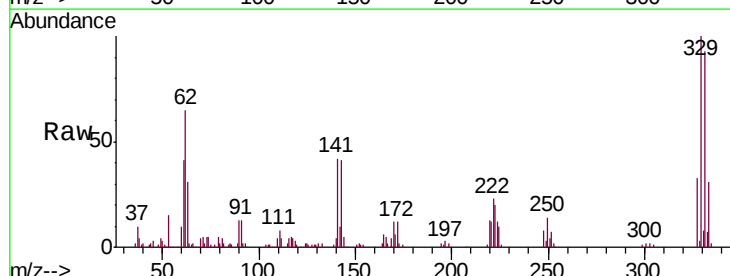


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

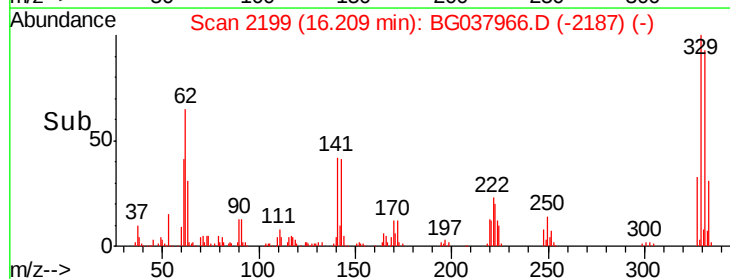
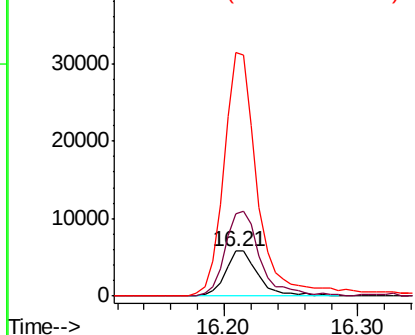


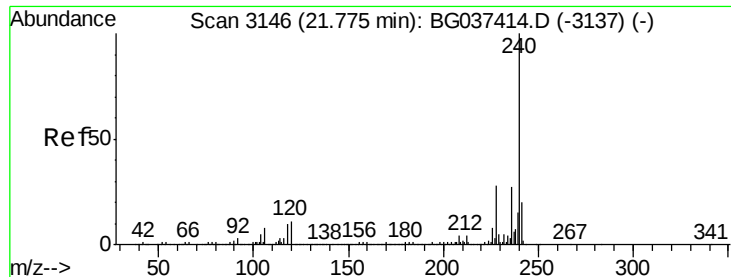
#67
 4-Bromophenyl-phenylether
 Concen: 2.871 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.46 min
 Lab File: BG037966.D
 Acq: 13 Nov 2018 5:17

Tgt Ion:248 Resp: 9969
 Ion Ratio Lower Upper
 248 100
 250 174.3 77.0 115.6#
 141 396.1 55.5 83.3#



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

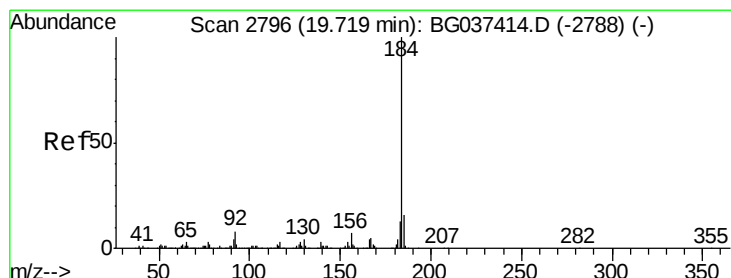
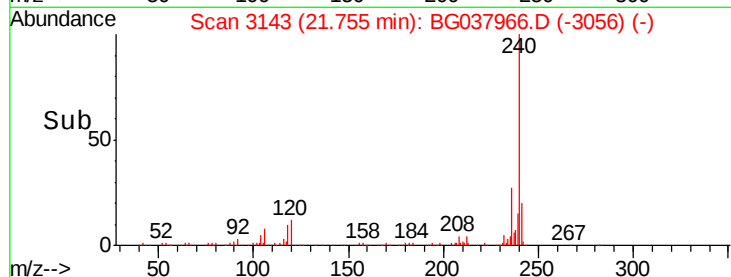
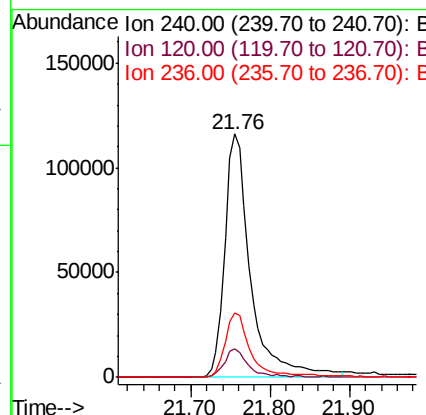
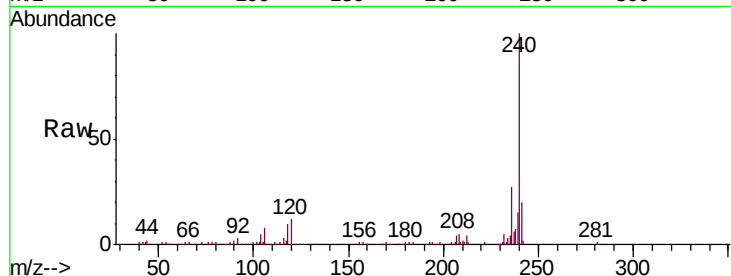




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. -0.02 min
Lab File: BG037966.D
Acq: 13 Nov 2018 5:17

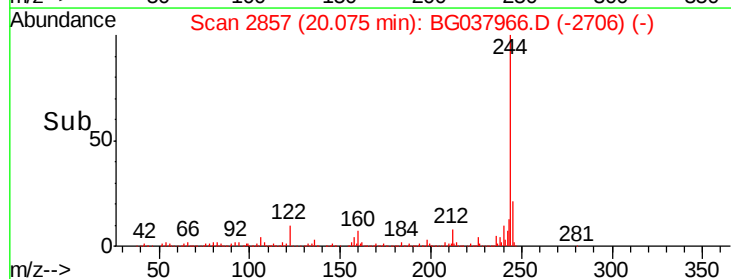
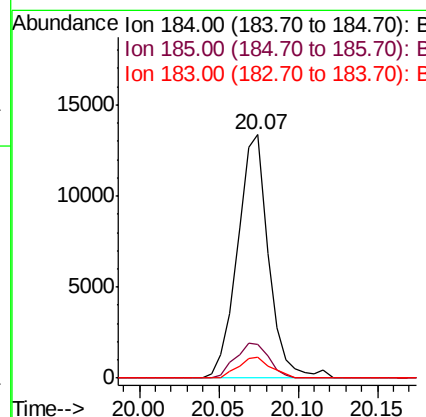
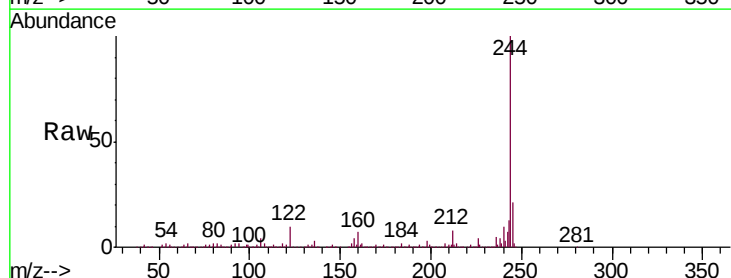
Instrument :
BNA_G
ClientSampleId :
06-TANK-SOIL

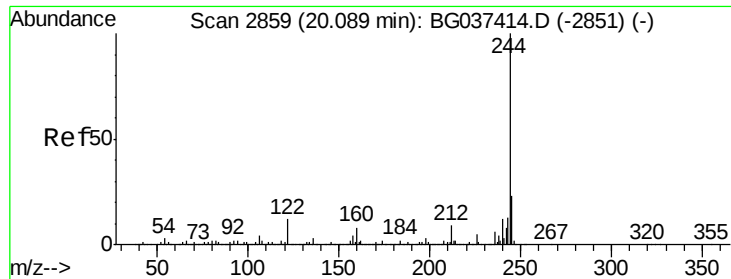
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.1	12.1
236	26.7	21.4	32.0



#77
Benzidine
Concen: 2.027 ng
RT: 20.07 min Scan# 2857
Delta R.T. 0.36 min
Lab File: BG037966.D
Acq: 13 Nov 2018 5:17

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.7	12.6	18.8
183	8.7	10.2	15.2#





#79

Terphenyl-d14

Concen: 90.579 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037966.D

Acq: 13 Nov 2018 5:17

Instrument :

BNA_G

ClientSampleId :

06-TANK-SOIL

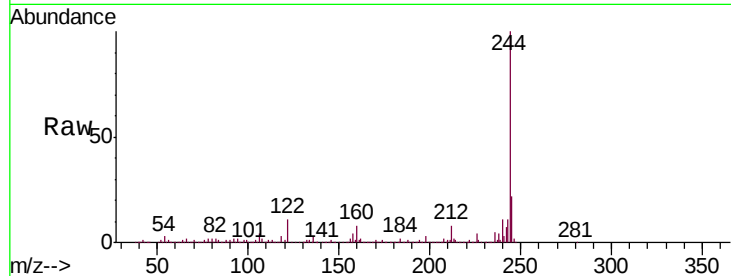
Tgt Ion:244 Resp: 1115890

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 11.1 9.0 13.4



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

1000000

800000

600000

400000

200000

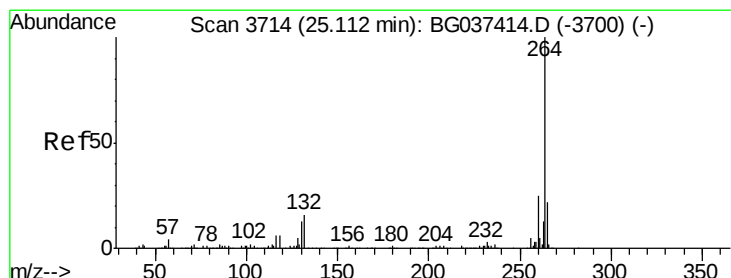
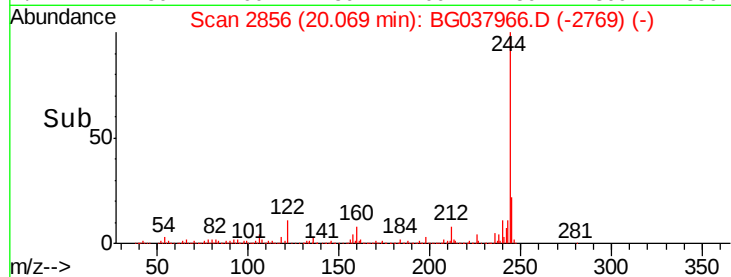
0

20.07

20.10

20.20

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.03 min

Lab File: BG037966.D

Acq: 13 Nov 2018 5:17

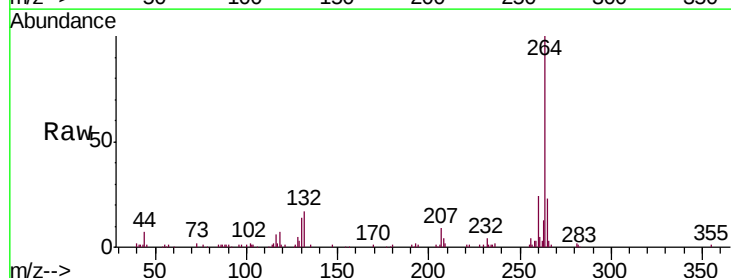
Tgt Ion:264 Resp: 184986

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

265 23.1 17.9 26.9



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

50000

40000

30000

20000

10000

0

25.09

25.20

Time-->

