

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046033.D
 Acq On : 14 Jul 2020 15:06
 Operator : CG/JU
 Sample : L3283-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PILE-COMP

Quant Time: Jul 14 15:45:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:58:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	131105	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	526111	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	307368	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	642952	20.00	ng	0.00
76) Chrysene-d12	21.62	240	634613	20.00	ng	0.00
86) Perylene-d12	24.77	264	644530	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	582990	72.11	ng	0.00
7) Phenol-d6	7.17	99	952816	81.86	ng	0.00
23) Nitrobenzene-d5	9.15	82	662794	72.51	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	175480	61.51	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1234279	62.64	ng	0.00
79) Terphenyl-d14	19.98	244	1671308	58.61	ng	0.00

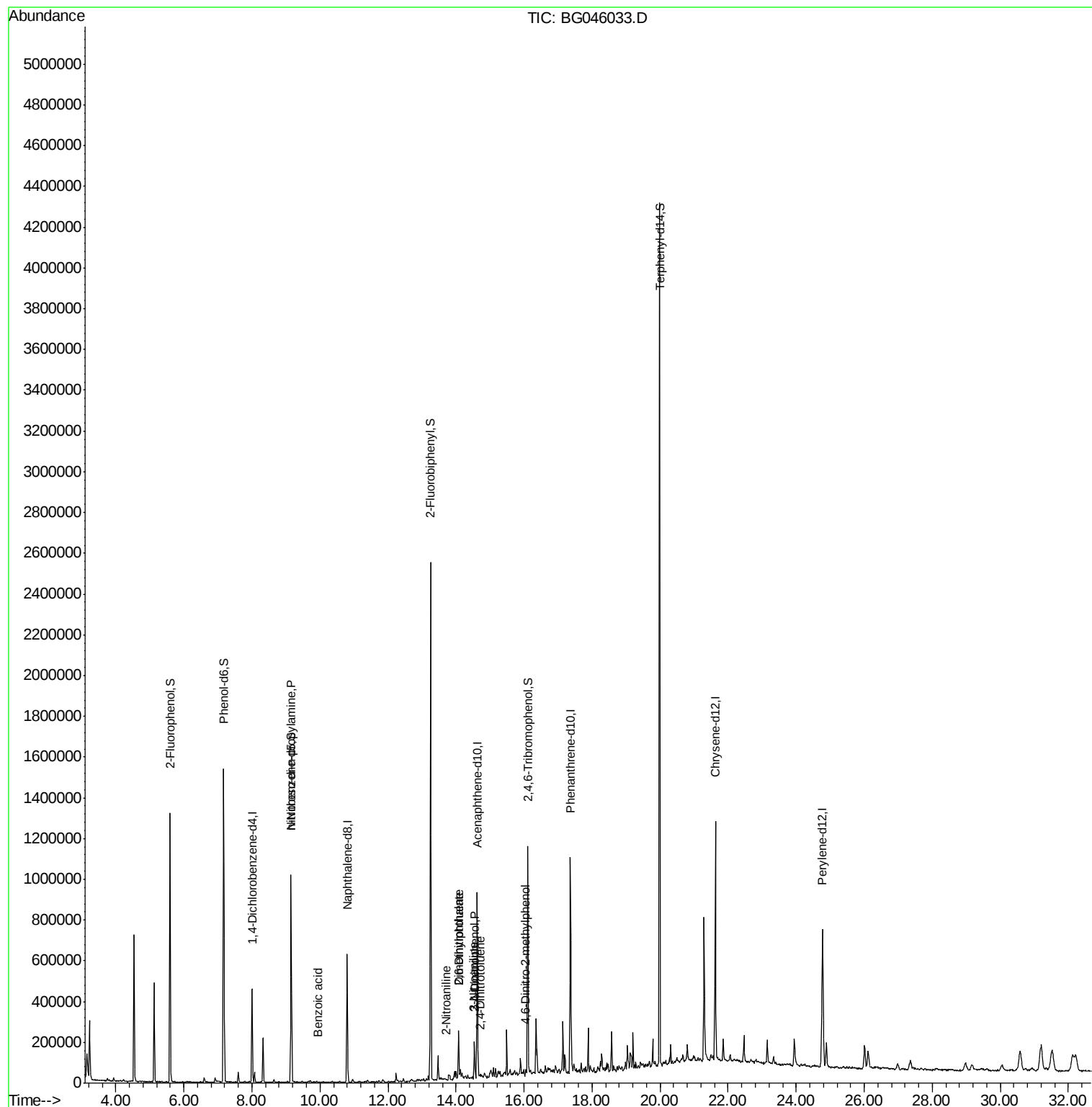
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.15	70	89171	10.905	ng	# 79
32) Benzoic acid	9.95	122	67	6.519	ng	# 1
48) 2-Nitroaniline	13.71	65	221	3.410	ng	# 7
50) Dimethylphthalate	14.07	163	152051	6.592	ng	98
51) 2,6-Dinitrotoluene	14.07	165	2021	3.767	ng	# 33
53) 3-Nitroaniline	14.53	138	65	2.995	ng	# 1
54) 2,4-Dinitrophenol	14.56	184	56	6.144	ng	# 40
57) 2,4-Dinitrotoluene	14.71	165	1637	4.249	ng	# 44
65) 4,6-Dinitro-2-methylphenol	16.05	198	59	6.813	ng	# 1

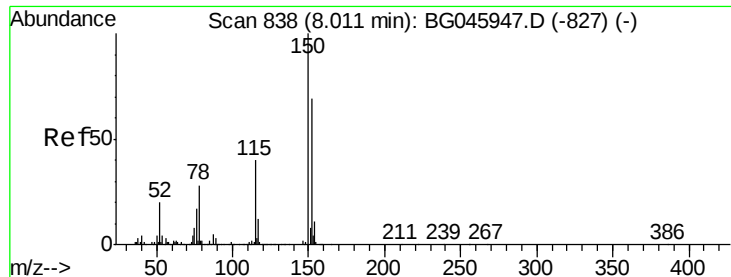
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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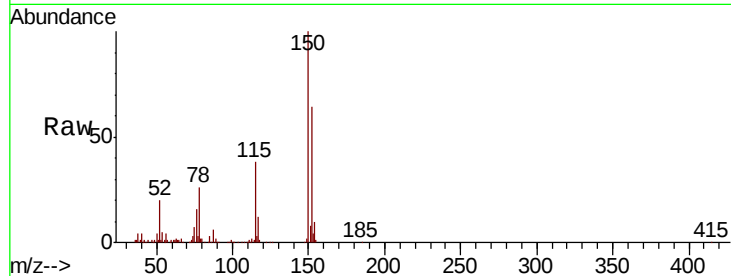


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Instrument :
BNA_G
ClientSampleId :
PILE-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	116.7	175.1
115	60.1	47.4	71.0

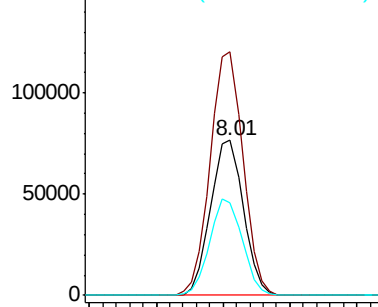


Abundance

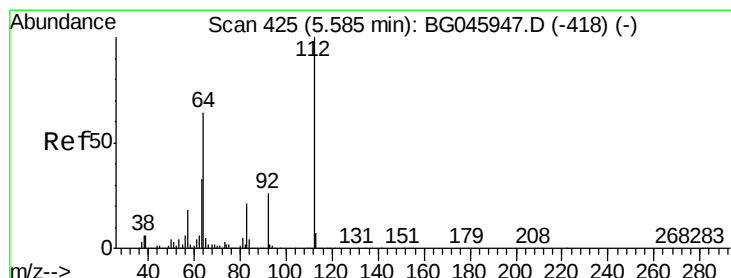
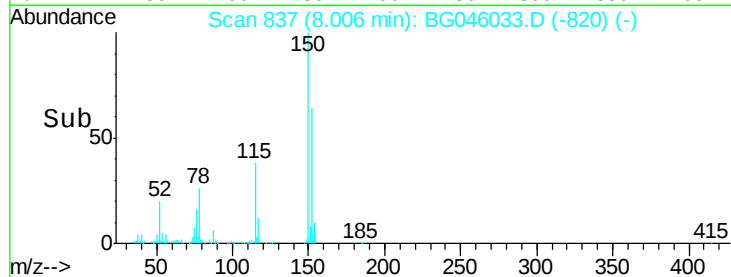
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



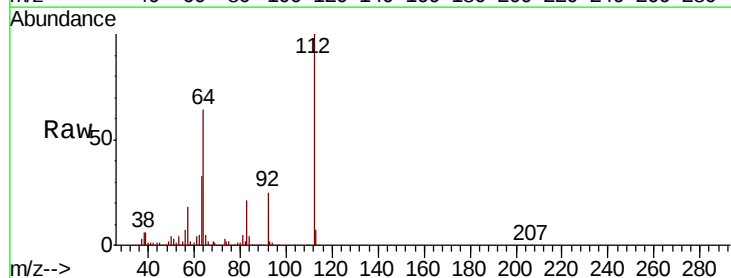
Time--> 7.90 7.95 8.00 8.05 8.10



#5

2-Fluorophenol
Concen: 72.111 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	51.4	77.2
63	33.2	26.6	40.0

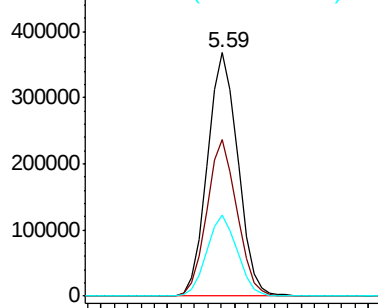


Abundance

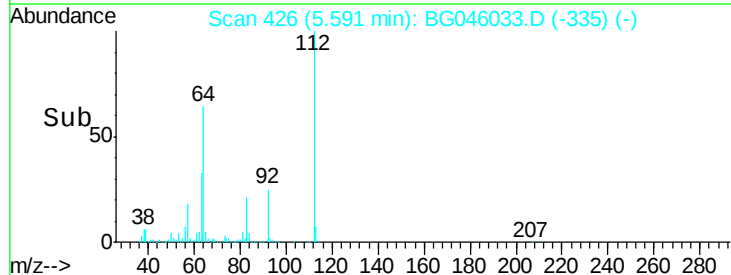
Ion 112.00 (111.70 to 112.70): E

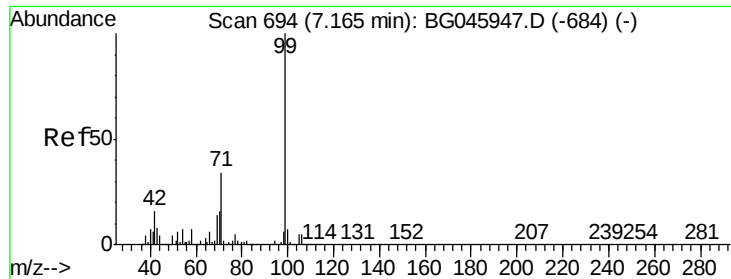
Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG



Time--> 5.50 5.55 5.60 5.65





#7

Phenol-d6

Concen: 81.861 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG046033.D

Acq: 14 Jul 2020 15:06

Instrument :

BNA_G

ClientSampleId :

FILE-COMP

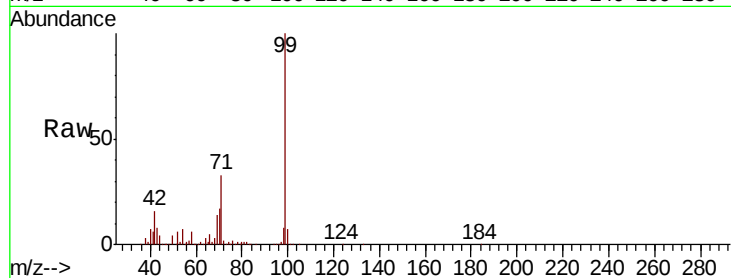
Tot Ion: 99 Resp: 952816

Ion Ratio Lower Upper

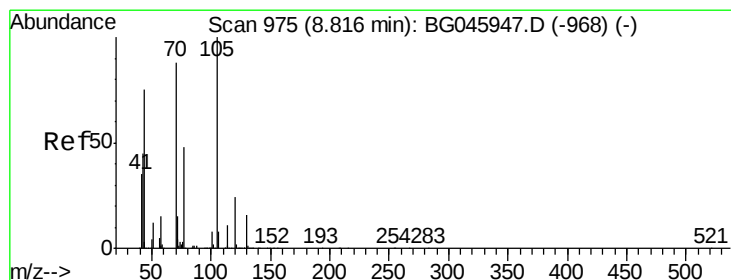
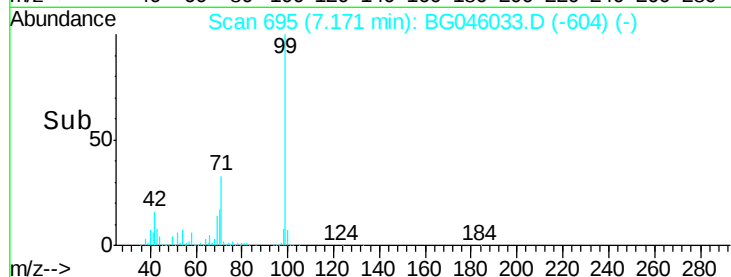
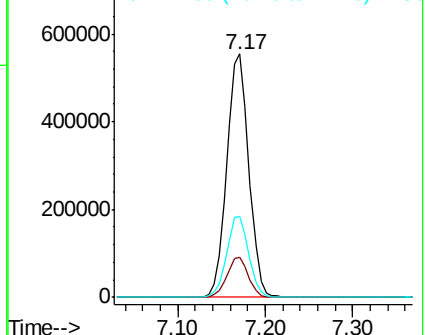
99 100

42 16.3 13.0 19.4

71 33.1 27.5 41.3



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: 10.905 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG046033.D

Acq: 14 Jul 2020 15:06

Tgt Ion: 70 Resp: 89171

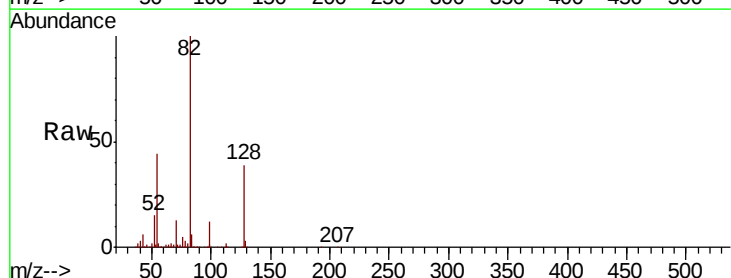
Ion Ratio Lower Upper

70 100

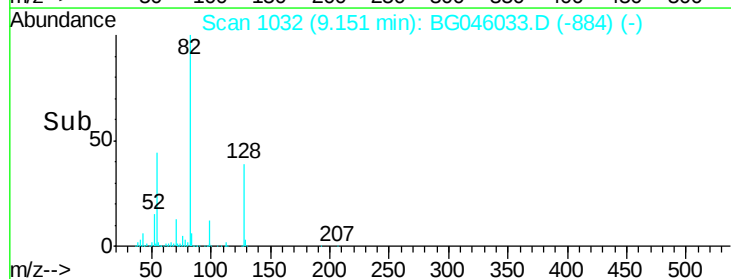
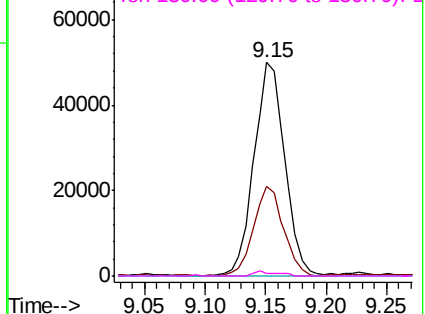
42 41.7 41.4 62.0

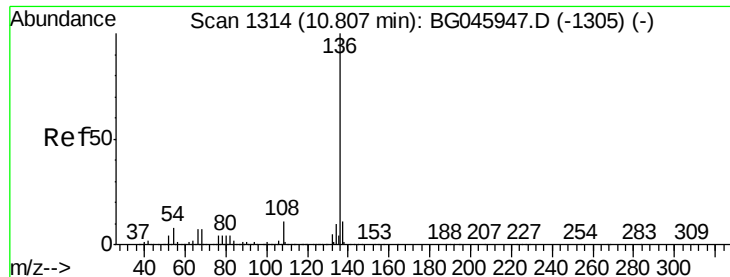
101 0.0 7.1 10.7#

130 1.5 14.9 22.3#



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

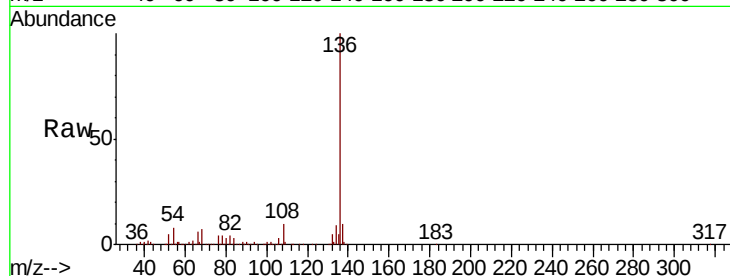




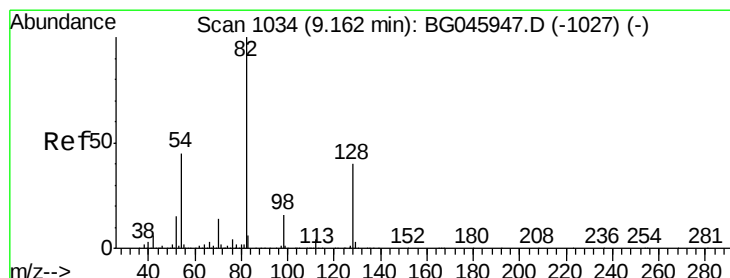
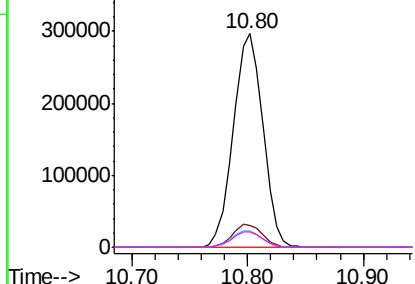
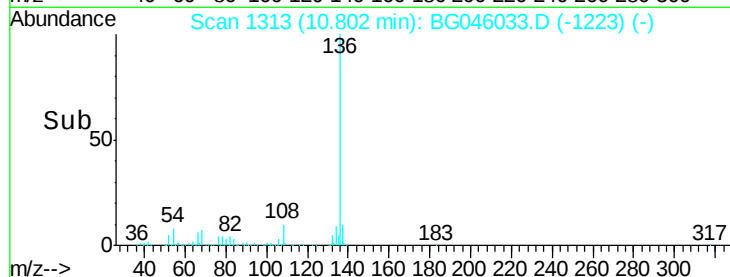
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Instrument :
BNA_G
ClientSampleId :
PILE-COMP

Tot Ion:136	Resp:	526111
Ion	Ratio	Lower Upper
136	100	
137	10.3	9.2 13.8
54	7.8	6.2 9.4
68	7.0	5.8 8.8

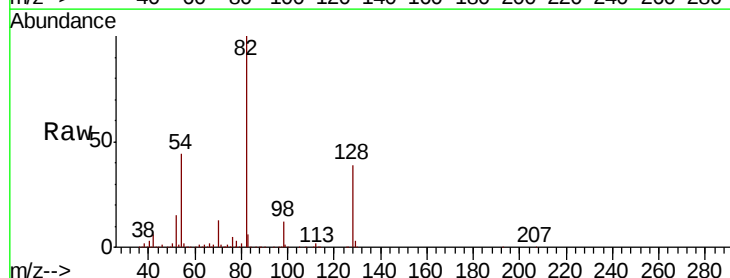


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

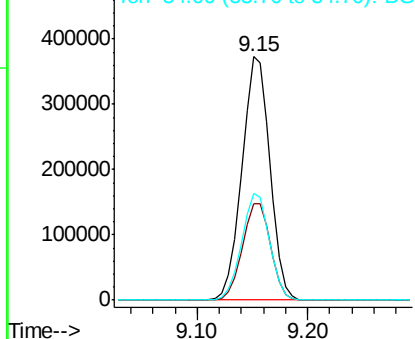
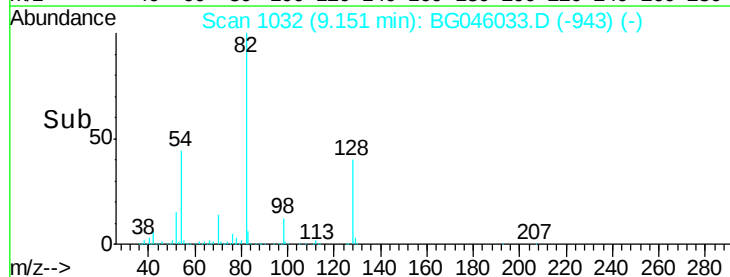


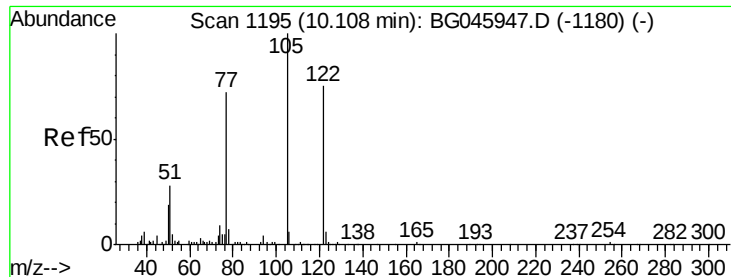
#23
Nitrobenzene-d5
Concen: 72.511 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Tgt Ion: 82	Resp:	662794
Ion	Ratio	Lower Upper
82	100	
128	39.4	32.2 48.4
54	43.7	35.8 53.6



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

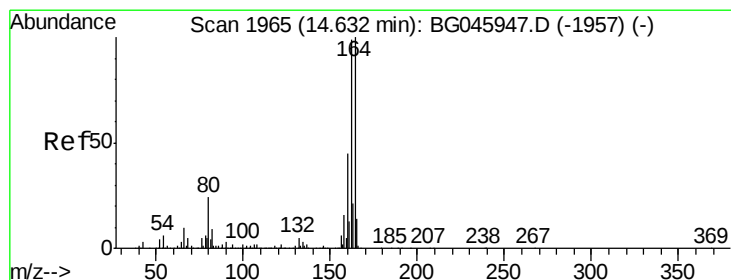
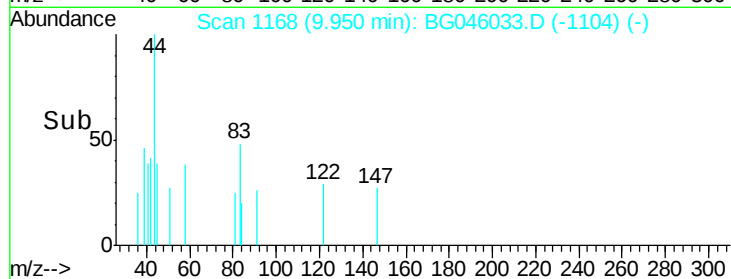
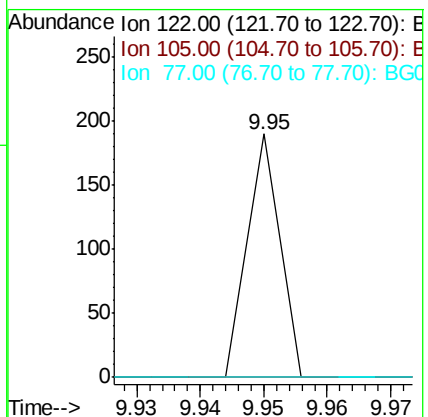
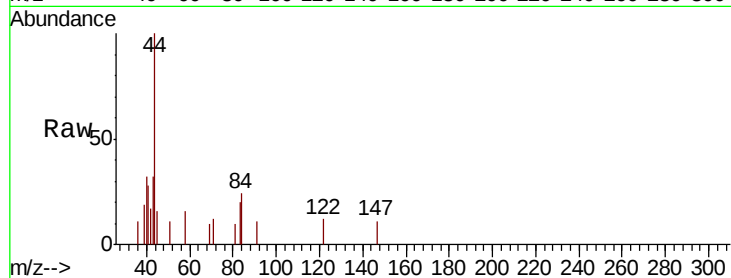




#32
Benzoic acid
Concen: 6.519 ng
RT: 9.95 min Scan# 1168
Delta R.T. -0.15 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

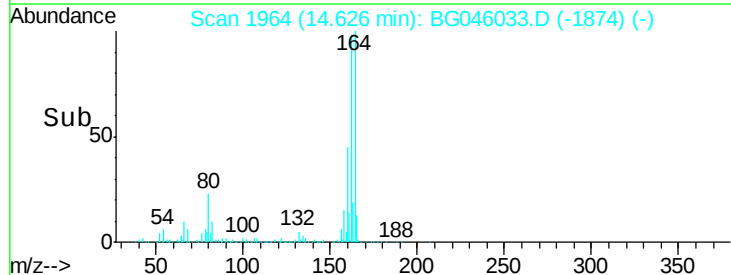
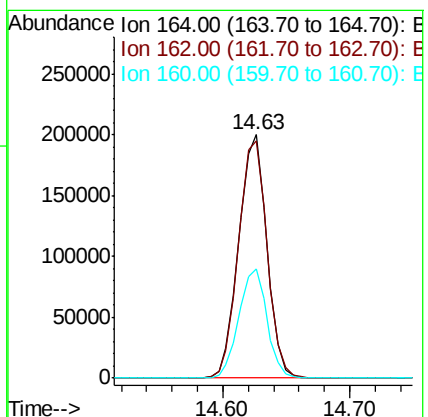
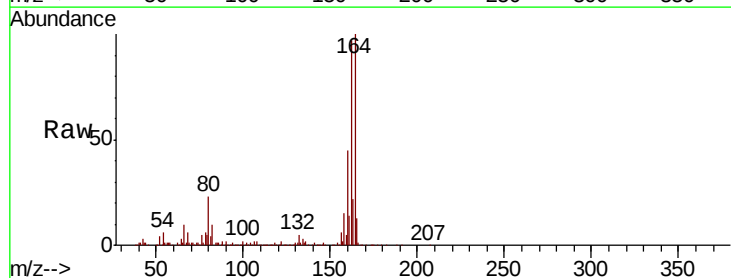
Instrument :
BNA_G
ClientSampleId :
PILE-COMP

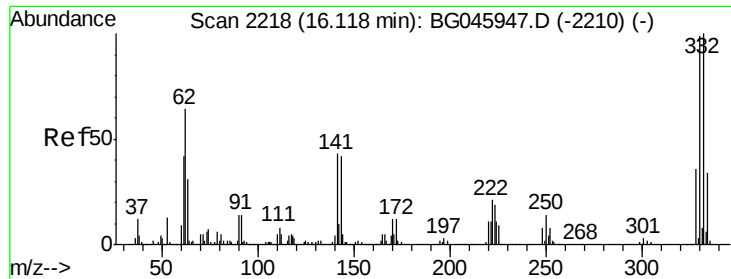
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	110.8	150.8#
77	0.0	76.4	116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.2	79.3	118.9
160	45.1	35.7	53.5

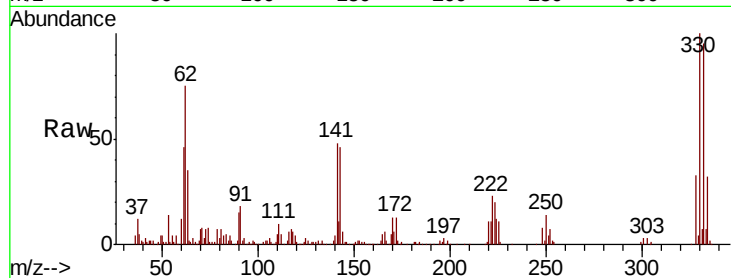




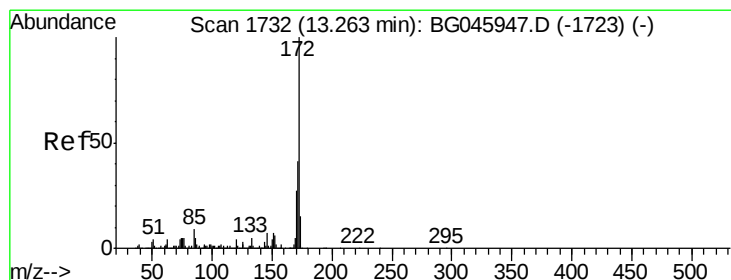
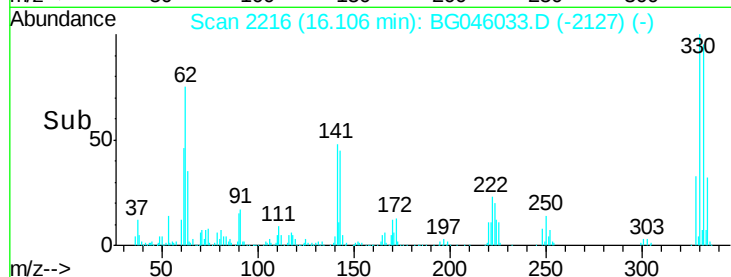
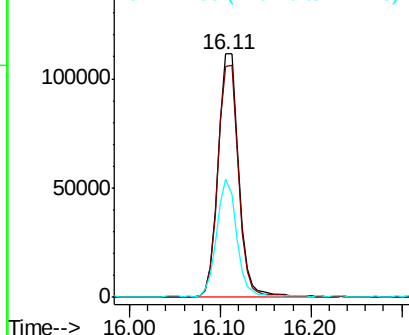
#42
 2,4,6-Tribromophenol
 Concen: 61.514 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG046033.D
 Acq: 14 Jul 2020 15:06

Instrument :
 BNA_G
 ClientSampled :
 FILE-COMP

Tot Ion:330 Resp: 175480
 Ion Ratio Lower Upper
 330 100
 332 94.6 78.3 117.5
 141 45.8 36.6 54.8

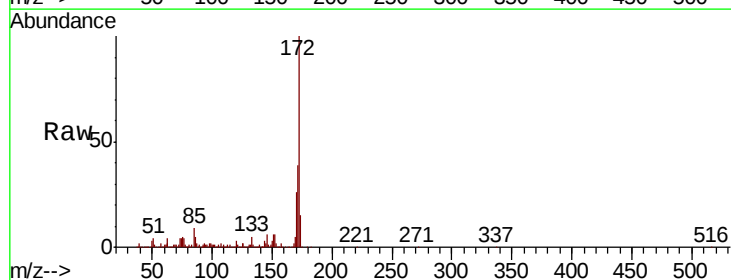


Abundance Ion 329.80 (329.50 to 330.50): E
 150000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

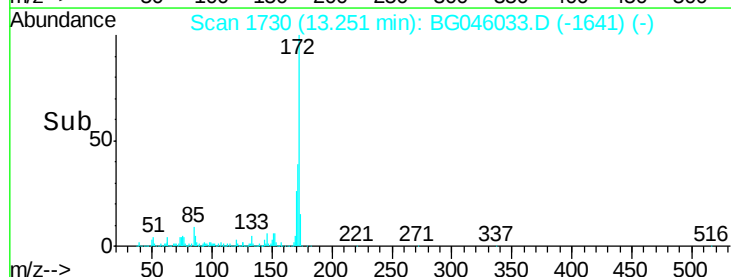
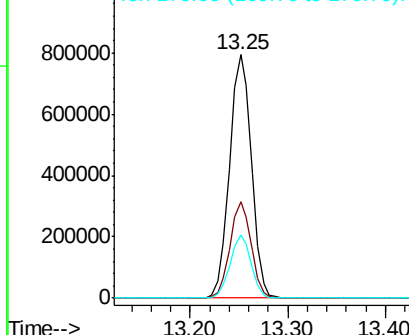


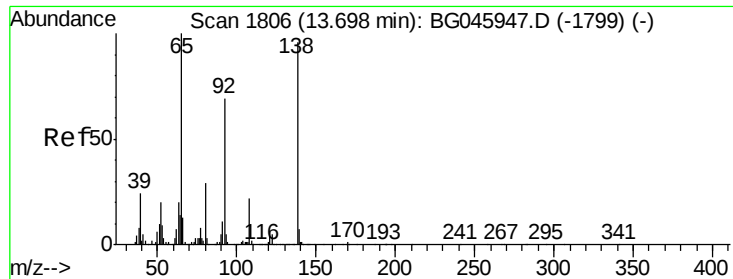
#45
 2-Fluorobiphenyl
 Concen: 62.637 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG046033.D
 Acq: 14 Jul 2020 15:06

Tgt Ion:172 Resp: 1234279
 Ion Ratio Lower Upper
 172 100
 171 39.4 32.9 49.3
 170 25.7 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 1000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

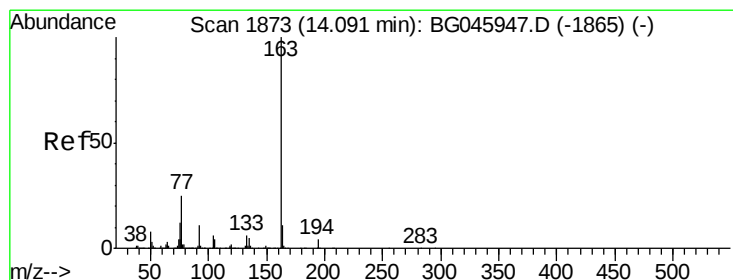
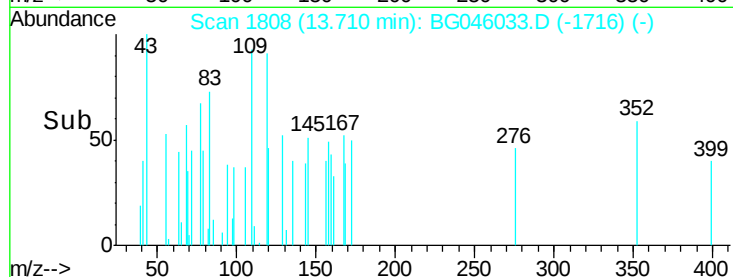
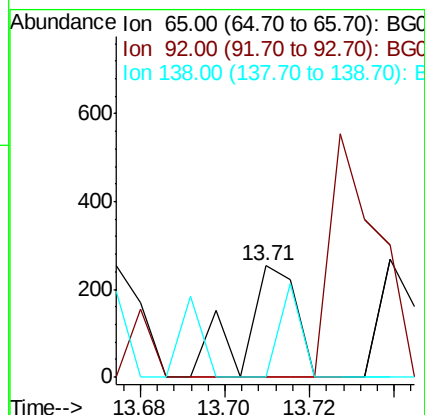
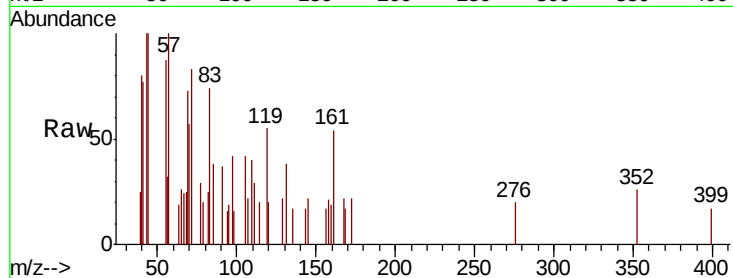




#48
2-Nitroaniline
Concen: 3.410 ng
RT: 13.71 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

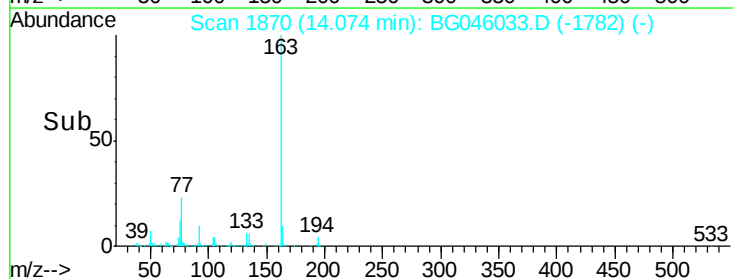
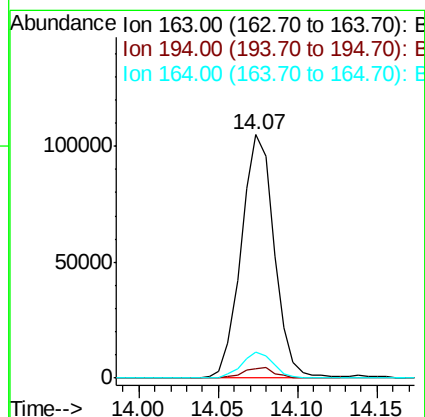
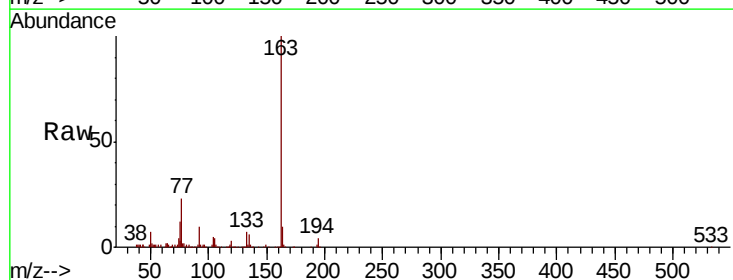
Instrument :
BNA_G
ClientSampleId :
PILE-COMP

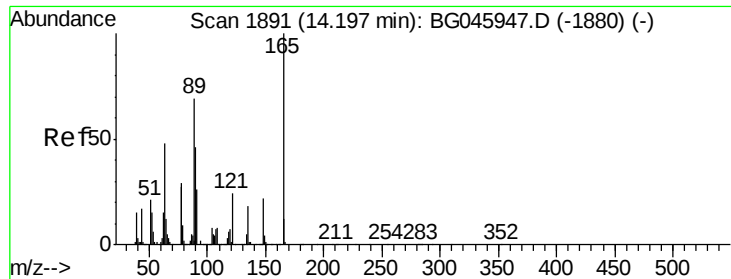
Tot Ion: 65 Resp: 221
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#50
Dimethylphthalate
Concen: 6.592 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Tgt Ion:163 Resp: 152051
Ion Ratio Lower Upper
163 100
194 3.8 3.6 5.4
164 10.5 8.9 13.3

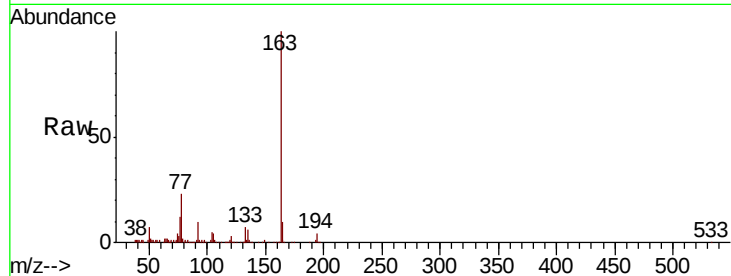




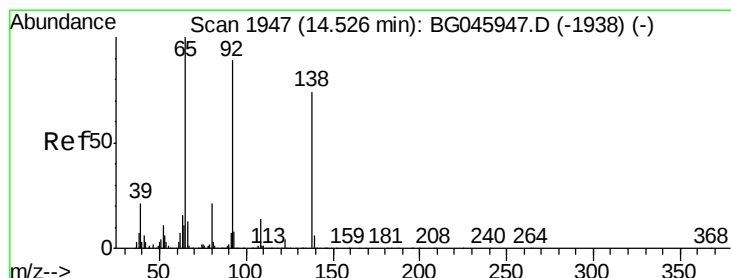
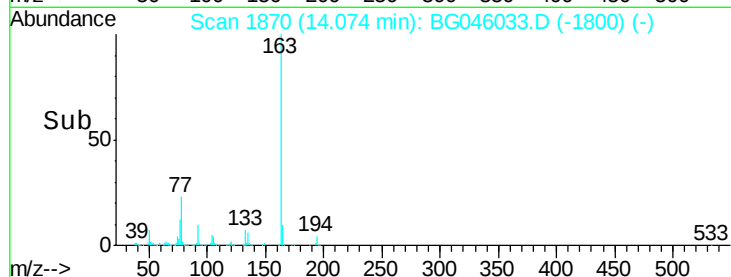
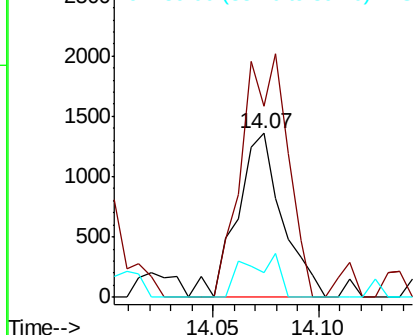
#51
2,6-Dinitrotoluene
Concen: 3.767 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.12 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Instrument :
BNA_G
ClientSampled :
PILE-COMP

Tot Ion:165 Resp: 2021
Ion Ratio Lower Upper
165 100
63 116.9 51.0 76.4#
89 14.9 55.7 83.5#

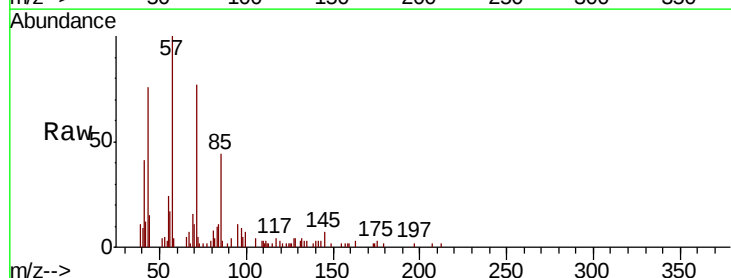


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

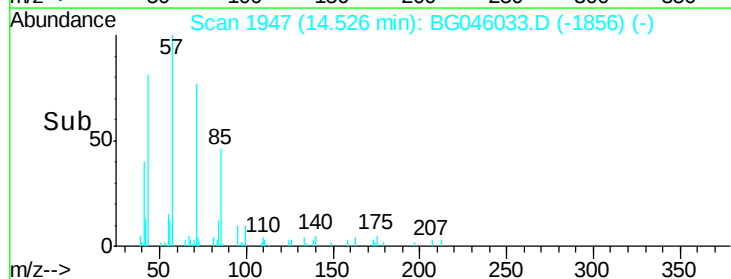
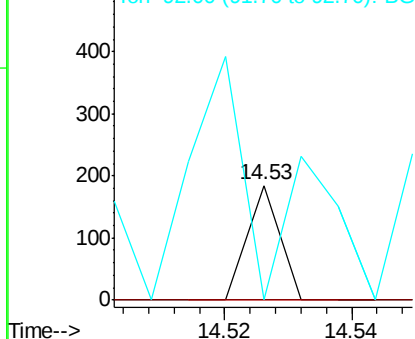


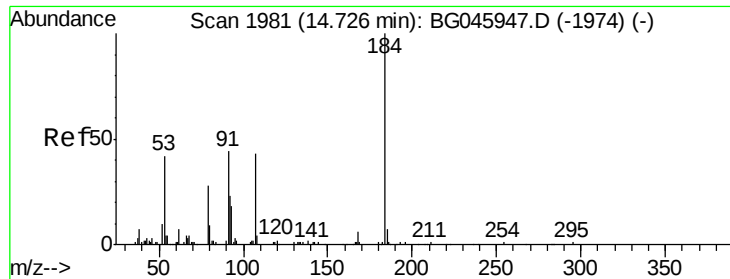
#53
3-Nitroaniline
Concen: 2.995 ng
RT: 14.53 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Tgt Ion:138 Resp: 65
Ion Ratio Lower Upper
138 100
108 0.0 15.4 23.2#
92 0.0 95.9 143.9#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

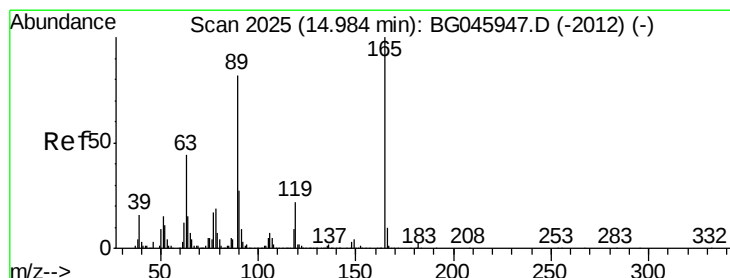
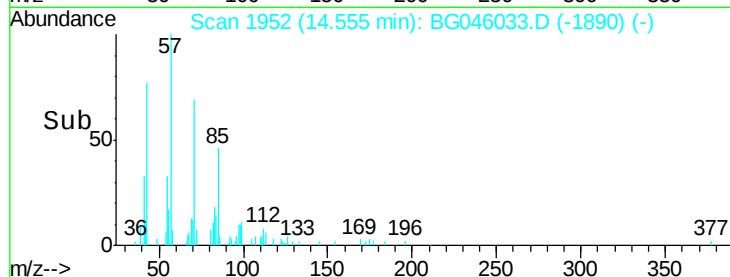
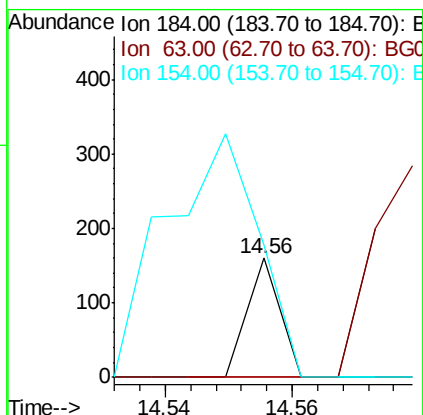
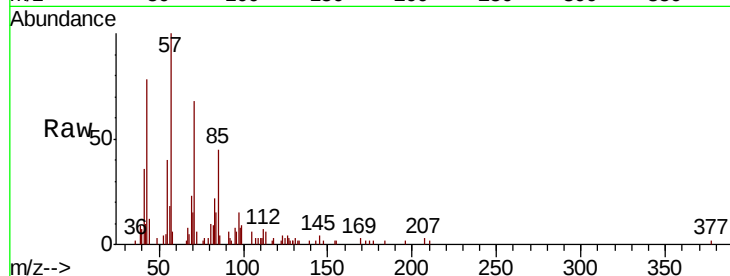




#54
2,4-Dinitrophenol
Concen: 6.144 ng
RT: 14.56 min Scan# 1952
Delta R.T. -0.16 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

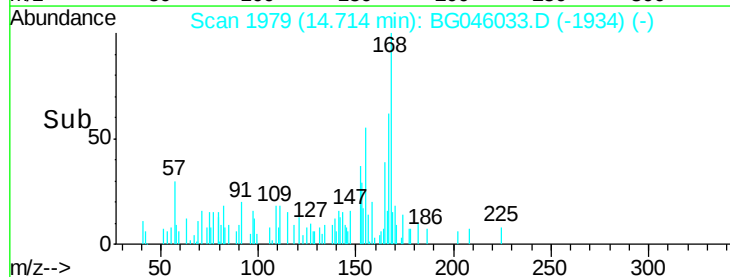
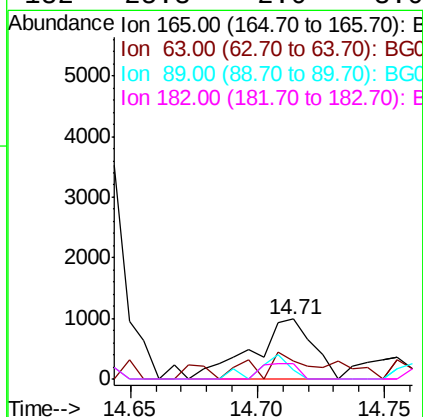
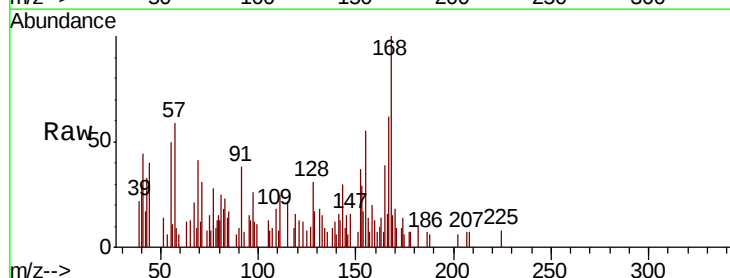
Instrument :
BNA_G
ClientSampleId :
PILE-COMP

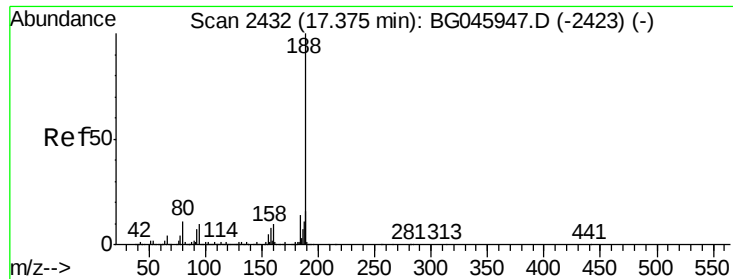
Tot Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 46.0 69.0#
154 111.3 58.2 87.2#



#57
2,4-Dinitrotoluene
Concen: 4.249 ng
RT: 14.71 min Scan# 1979
Delta R.T. -0.26 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Tgt Ion:165 Resp: 1637
Ion Ratio Lower Upper
165 100
63 29.6 35.4 53.0#
89 15.7 65.4 98.2#
182 25.3 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG046033.D

Acq: 14 Jul 2020 15:06

Instrument :

BNA_G

ClientSampleId :

PILE-COMP

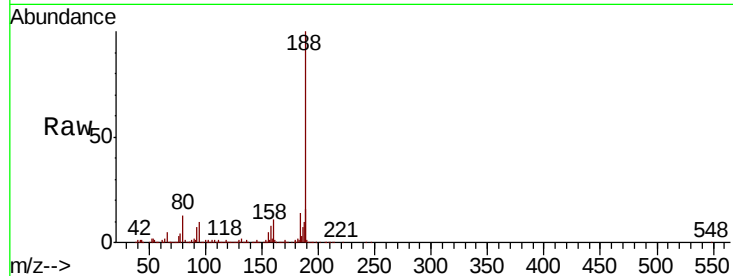
Tot Ion:188 Resp: 642952

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.4

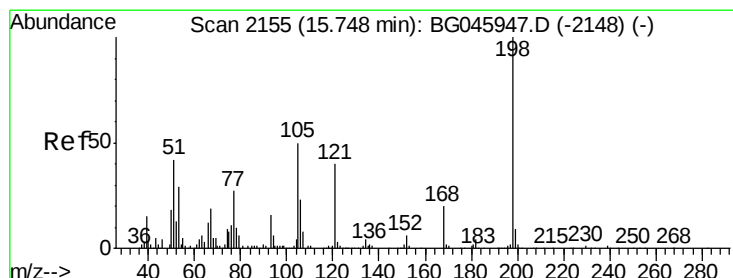
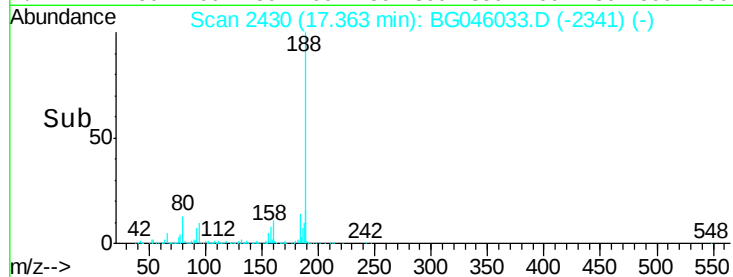
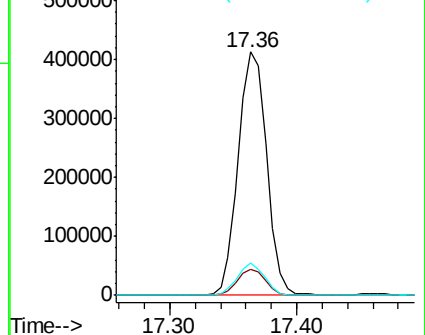
80 13.1 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.813 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.31 min

Lab File: BG046033.D

Acq: 14 Jul 2020 15:06

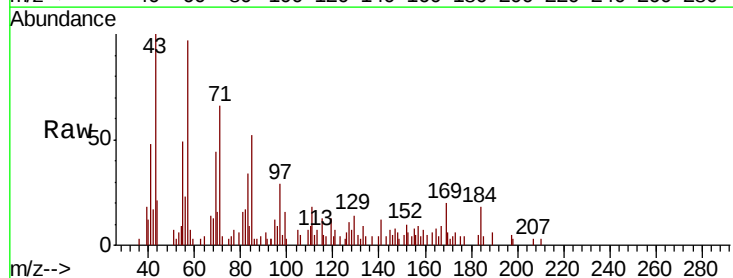
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 245.2 24.5 64.5#

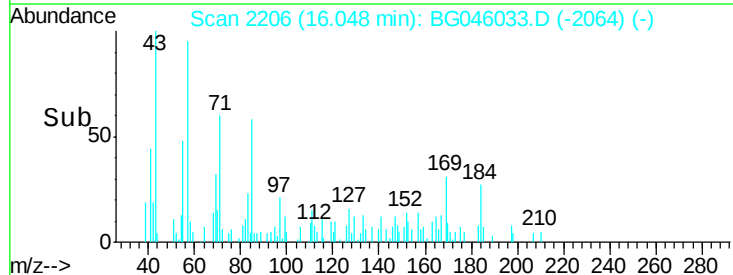
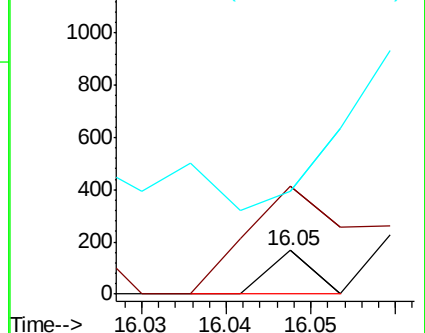
105 234.5 30.9 70.9#

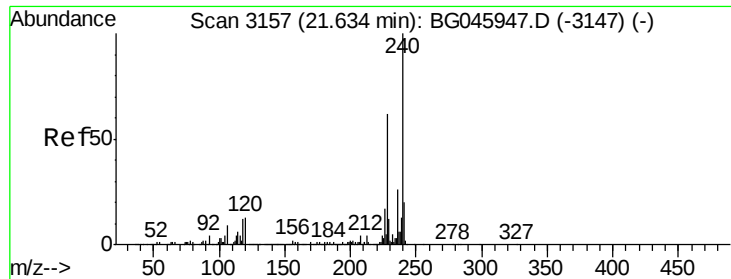


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

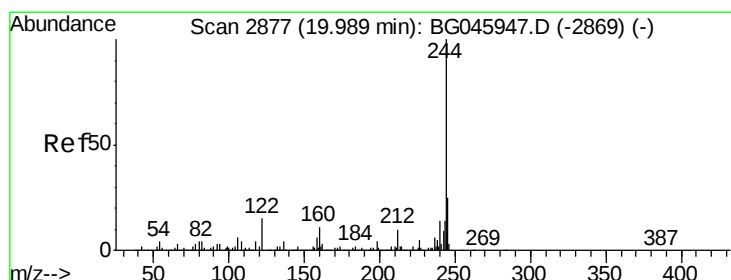
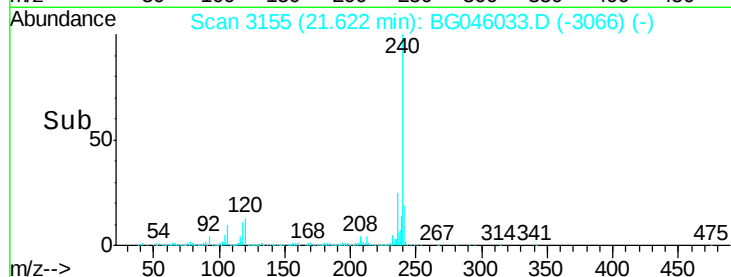
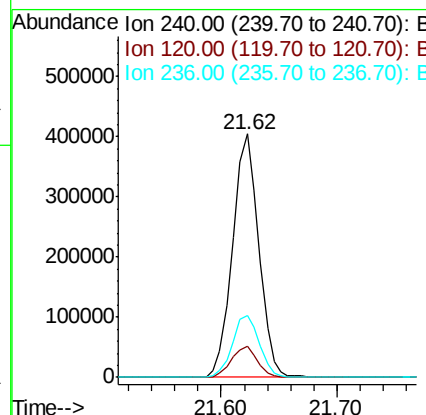
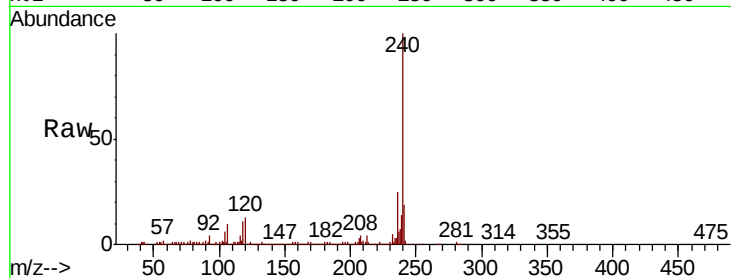




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

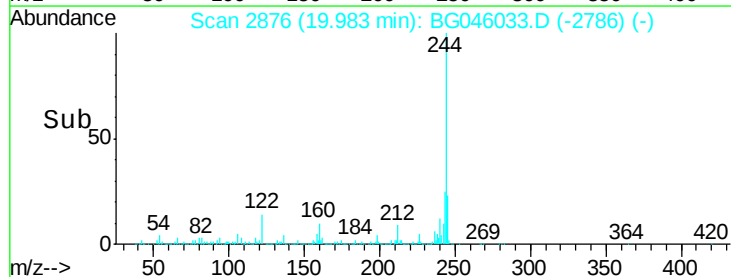
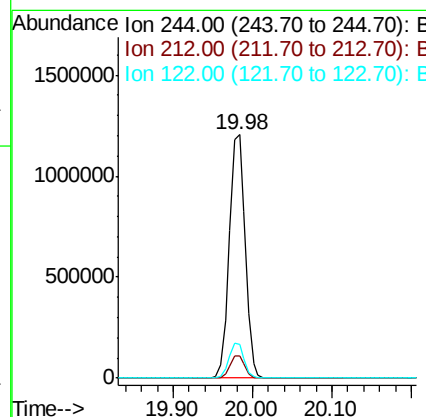
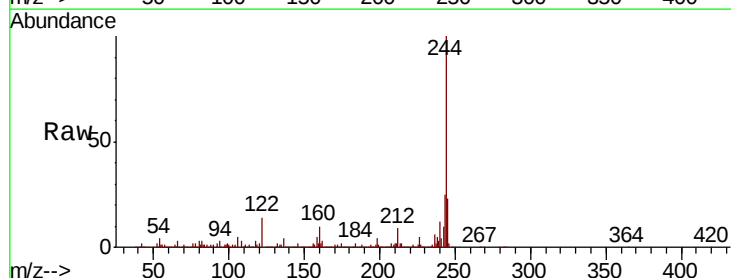
Instrument :
BNA_G
ClientSampleId :
PILE-COMP

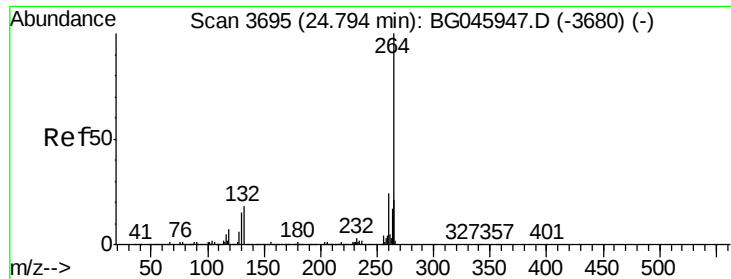
Tot Ion:240 Resp: 634613
Ion Ratio Lower Upper
240 100
120 12.6 10.6 16.0
236 25.2 20.4 30.6



#79
Terphenyl-d14
Concen: 58.611 ng
RT: 19.98 min Scan# 2876
Delta R.T. 0.00 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Tgt Ion:244 Resp: 1671308
Ion Ratio Lower Upper
244 100
212 9.2 8.3 12.5
122 13.8 12.1 18.1





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG046033.D
Acq: 14 Jul 2020 15:06

Instrument :
BNA_G
ClientSampleId :
PILE-COMP

Tot Ion: 264 Resp: 644530

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.6
265	21.3	16.9	25.3

