

Data File : BG044013.D
Acq On : 10 Jan 2020 22:36
Operator : JU
Sample : L1068-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STUCO

Quant Time: Jan 11 04:17:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

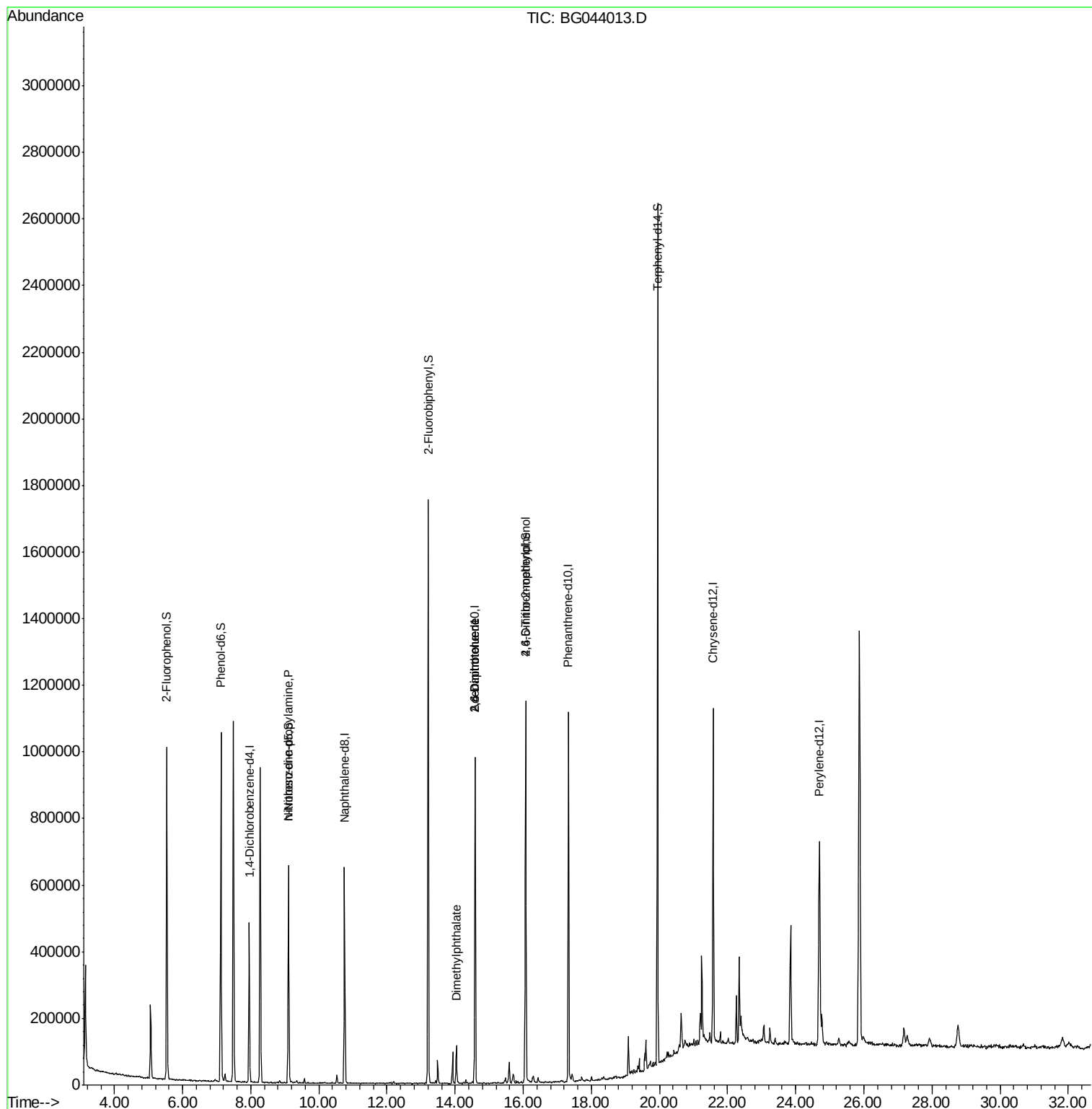
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	141569	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	593780	20.00	ng	-0.01
39) Acenaphthene-d10	14.58	164	353173	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	691402	20.00	ng	0.00
76) Chrysene-d12	21.58	240	572909	20.00	ng	-0.01
87) Perylene-d12	24.70	264	640334	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	494608	64.15	ng	0.00
7) Phenol-d6	7.12	99	680494	63.14	ng	0.00
23) Nitrobenzene-d5	9.11	82	407874	36.75	ng	-0.01
42) 2,4,6-Tribromophenol	16.07	330	207574	56.16	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	920881	47.24	ng	-0.01
79) Terphenyl-d14	19.94	244	1214899	43.49	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	52272	6.513	ng	# 80
50) Dimethylphthalate	14.04	163	79801	3.182	ng	# 98
51) 2,6-Dinitrotoluene	14.58	165	46717	8.242	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	46717	6.057	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	670	4.561	ng	# 1

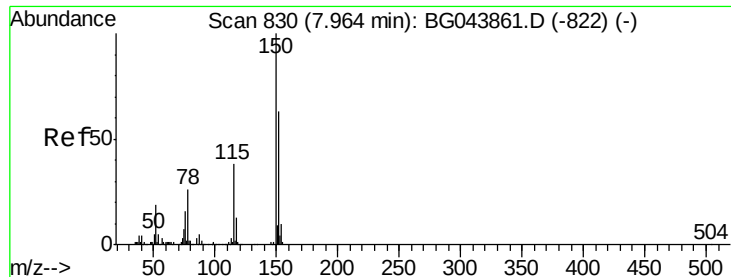
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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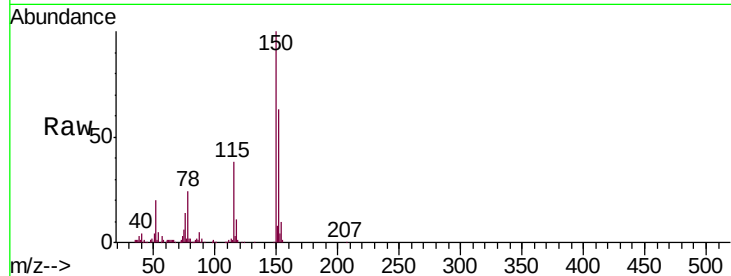


#1

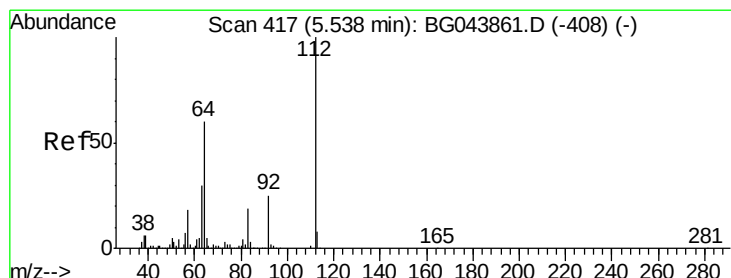
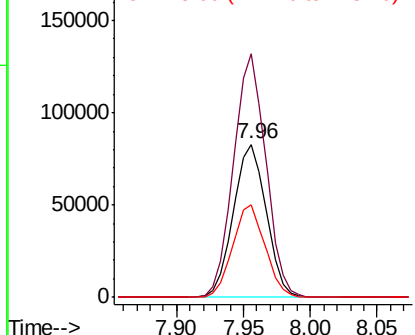
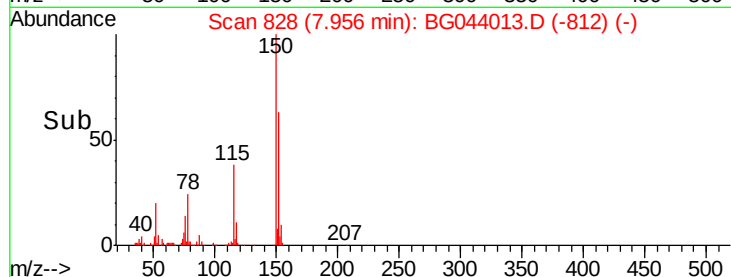
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044013.D
Acq: 10 Jan 2020 22:36

Instrument :
BNA_G
ClientSampleId :
STUCO

Tgt Ion:152 Resp: 141569
Ion Ratio Lower Upper
152 100
150 159.2 127.0 190.4
115 60.5 47.8 71.8



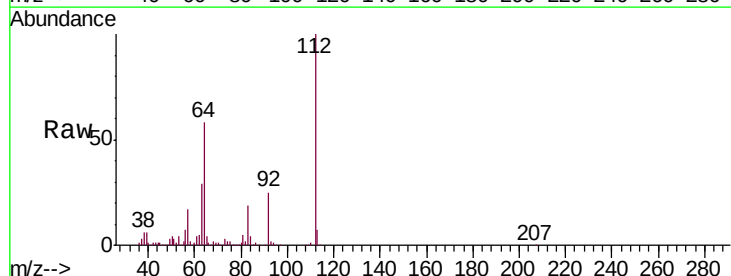
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



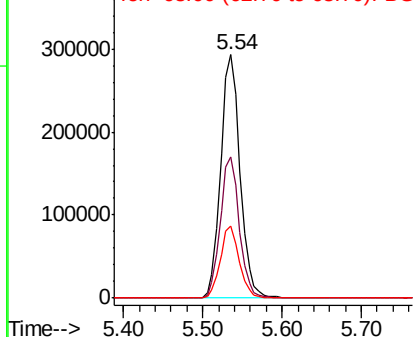
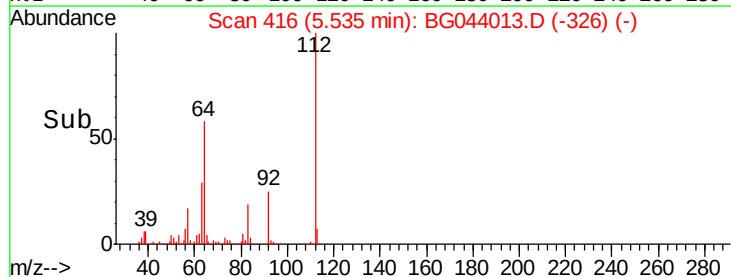
#5

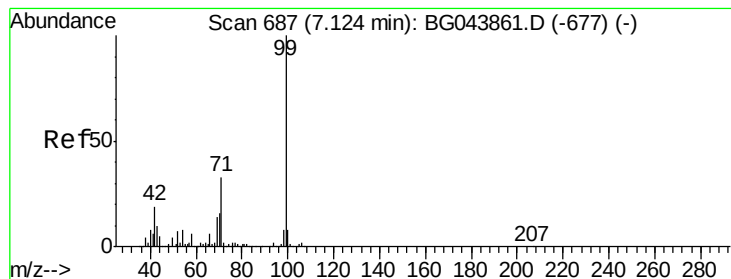
2-Fluorophenol
Concen: 64.150 ng
RT: 5.54 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG044013.D
Acq: 10 Jan 2020 22:36

Tgt Ion:112 Resp: 494608
Ion Ratio Lower Upper
112 100
64 58.0 47.8 71.6
63 29.4 24.3 36.5



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: 63.140 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044013.D

Acq: 10 Jan 2020 22:36

Instrument :

BNA_G

ClientSampled :

STUCO

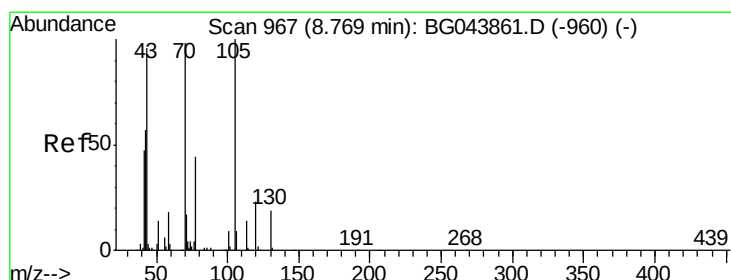
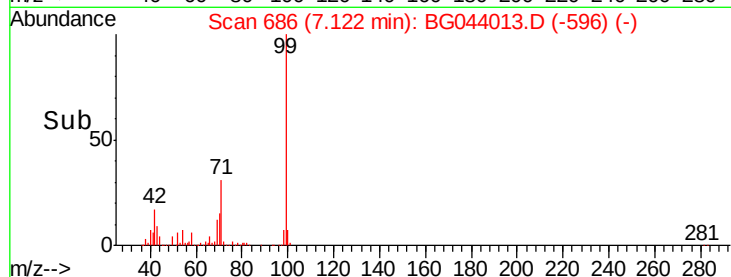
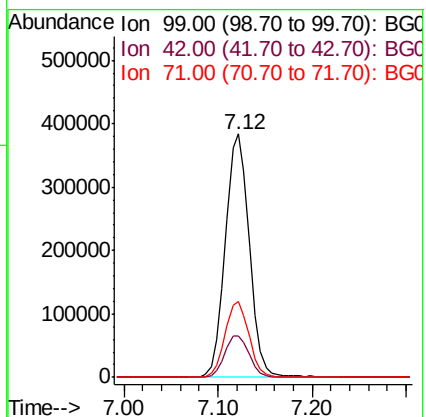
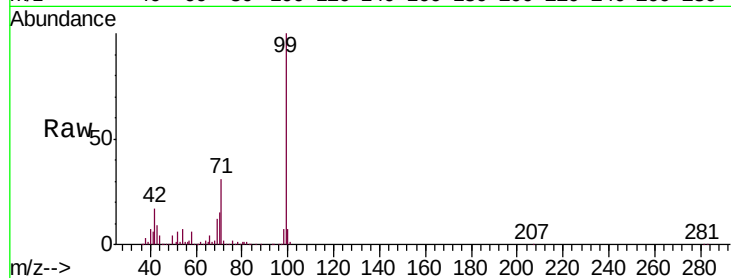
Tgt Ion: 99 Resp: 680494

Ion Ratio Lower Upper

99 100

42 17.2 14.9 22.3

71 31.0 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 6.513 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG044013.D

Acq: 10 Jan 2020 22:36

Tgt Ion: 70 Resp: 52272

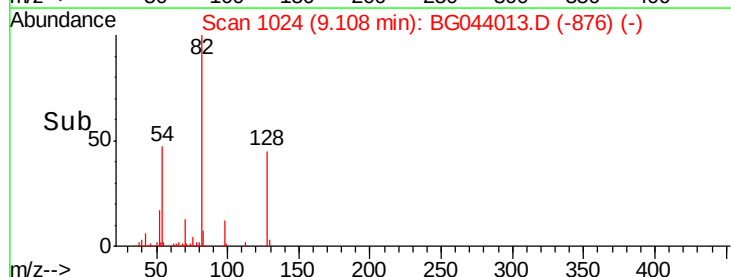
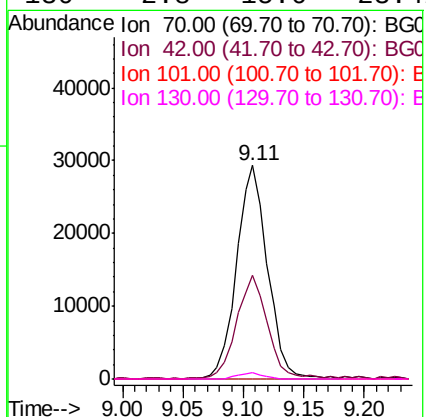
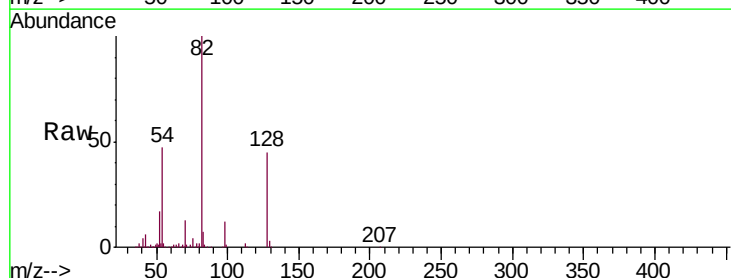
Ion Ratio Lower Upper

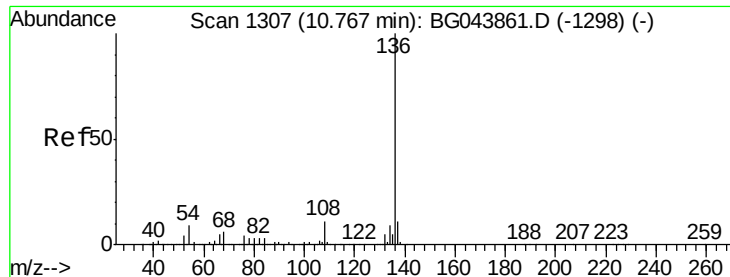
70 100

42 48.6 47.0 70.4

101 0.0 7.2 10.8#

130 2.8 15.6 23.4#

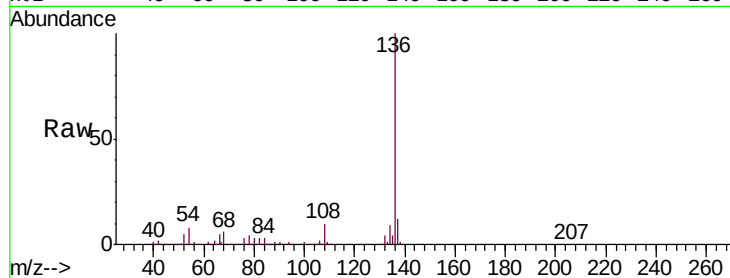




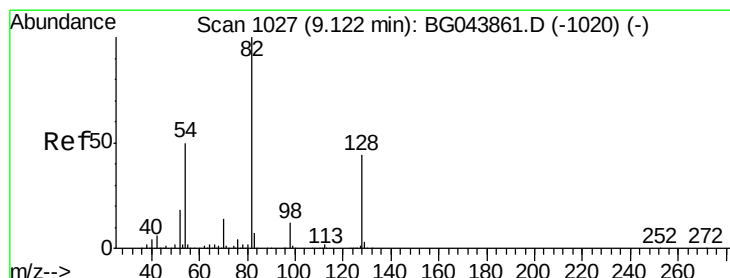
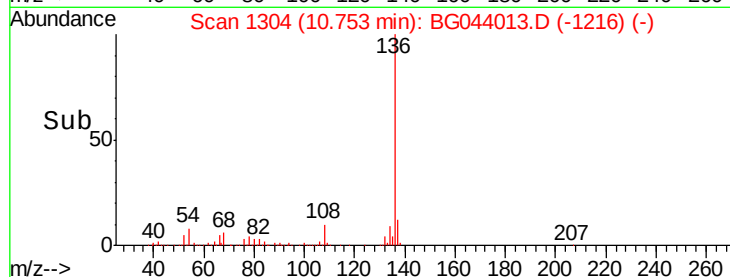
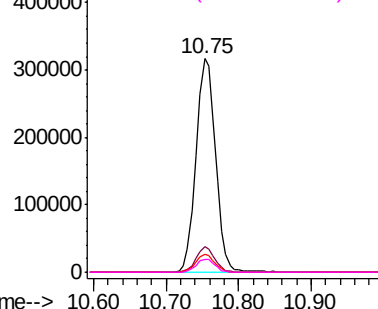
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG044013.D
Acq: 10 Jan 2020 22:36

Instrument :
BNA_G
ClientSampleId :
STUCO

Tgt Ion:	136	Resp:	593780
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	8.2	7.0	10.4
68	6.0	4.9	7.3

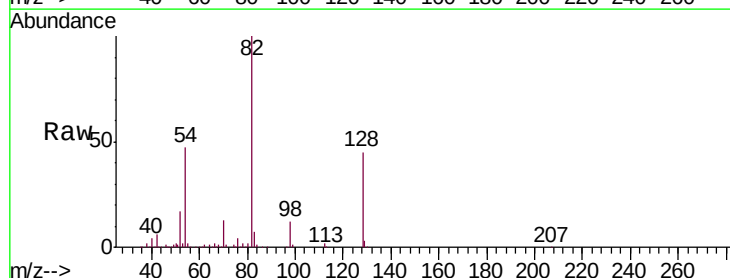


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

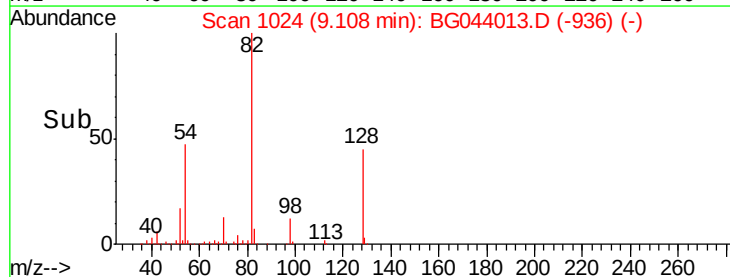
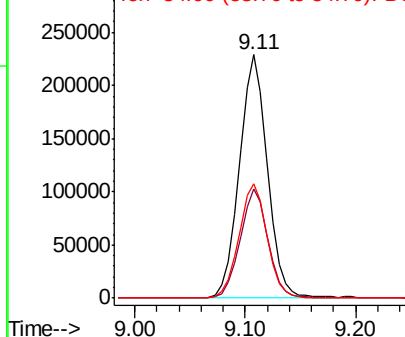


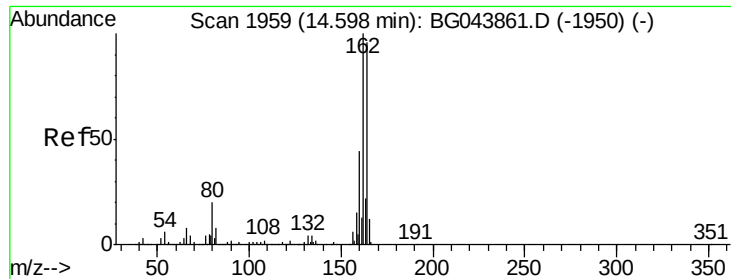
#23
Nitrobenzene-d5
Concen: 36.747 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG044013.D
Acq: 10 Jan 2020 22:36

Tgt Ion:	82	Resp:	407874
Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.1	52.7
54	47.0	40.1	60.1



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

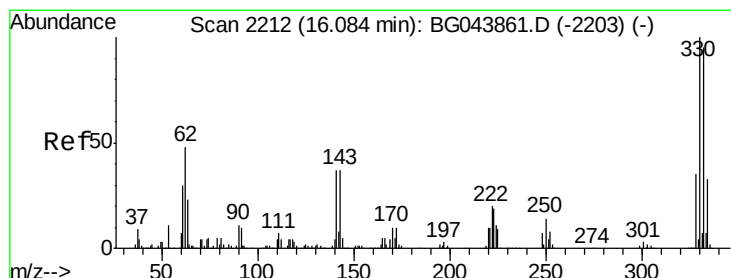
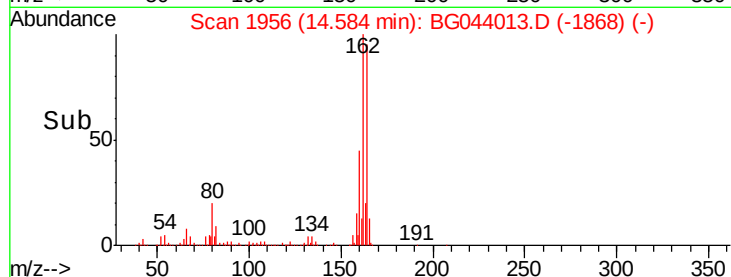
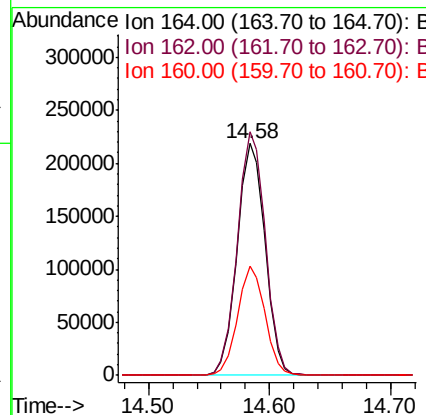
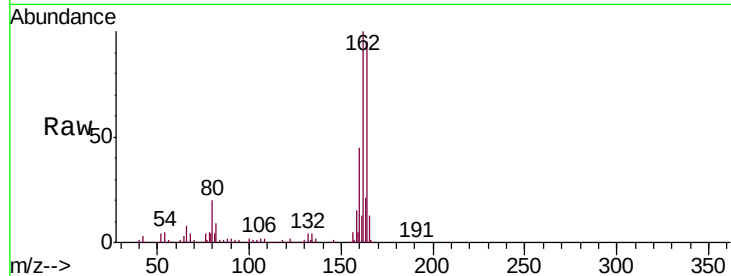




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG044013.D
Acq: 10 Jan 2020 22:36

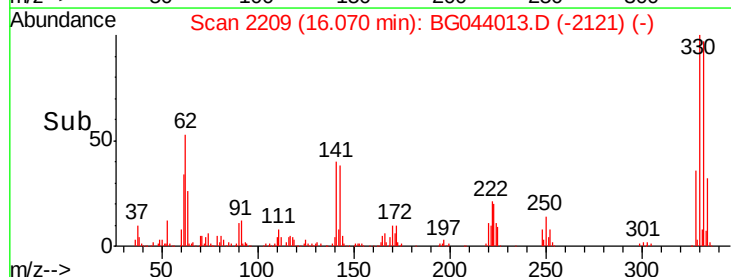
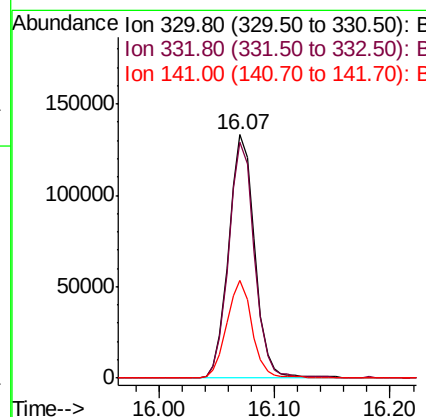
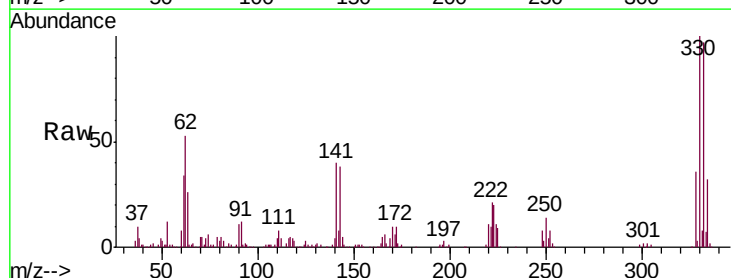
Instrument :
BNA_G
ClientSampleId :
STUCO

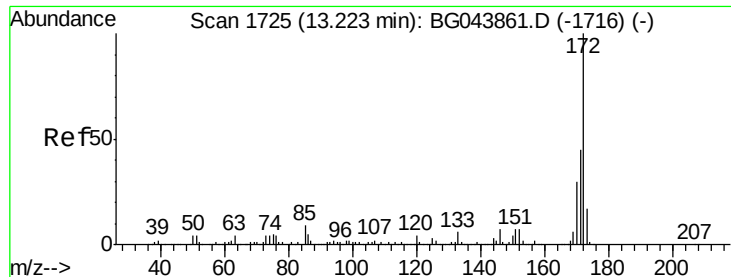
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	83.0	124.4
160	47.1	36.1	54.1



#42
2,4,6-Tribromophenol
Concen: 56.164 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG044013.D
Acq: 10 Jan 2020 22:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	38.9	33.1	49.7

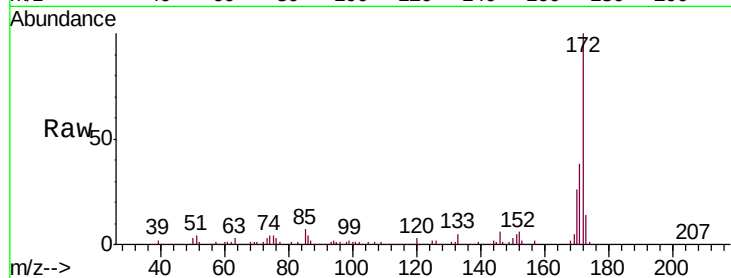




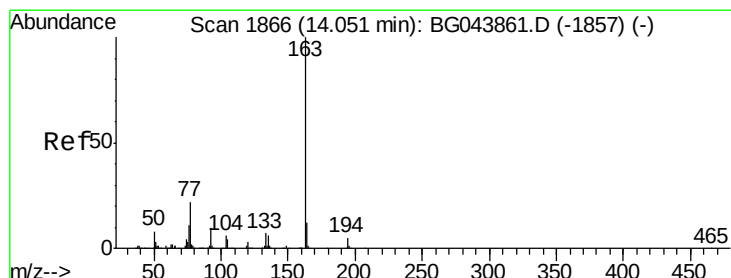
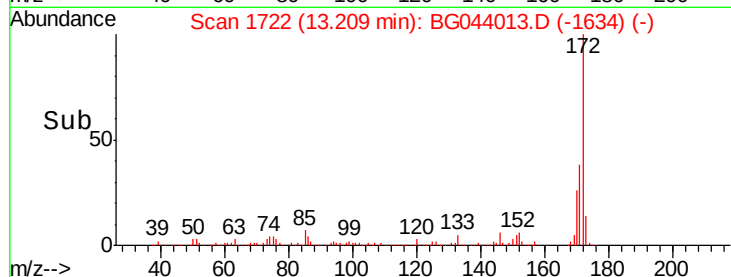
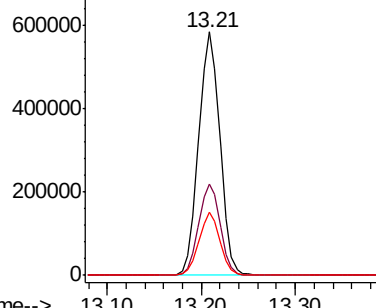
#45
 2-Fluorobiphenyl
 Concen: 47.241 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG044013.D
 Acq: 10 Jan 2020 22:36

Instrument :
 BNA_G
 ClientSampleId :
 STUCO

Tgt Ion:	172	Resp:	920881
Ion	Ratio	Lower	Upper
172	100		
171	37.7	35.8	53.8
170	26.1	24.2	36.4

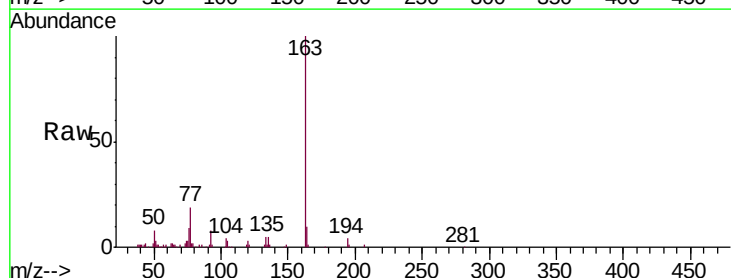


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

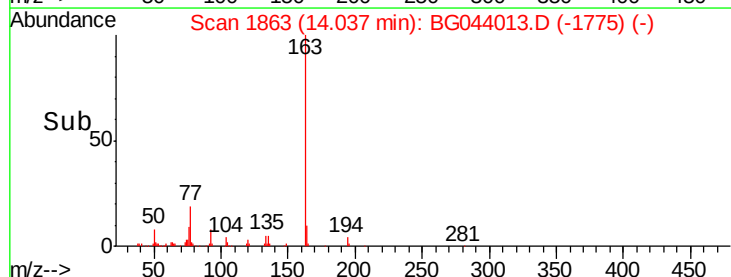
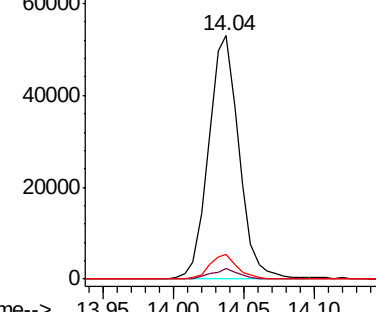


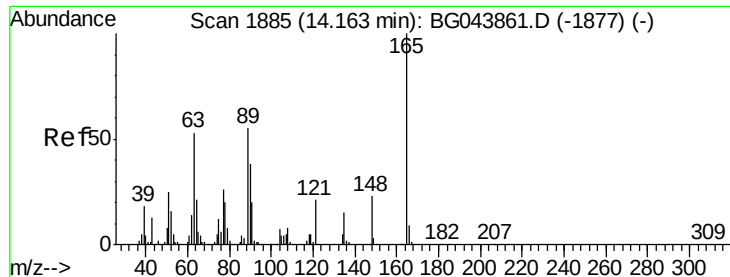
#50
 Dimethylphthalate
 Concen: 3.182 ng
 RT: 14.04 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BG044013.D
 Acq: 10 Jan 2020 22:36

Tgt Ion:	163	Resp:	79801
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.7	5.5
164	10.4	9.3	13.9



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





#51

2,6-Dinitrotoluene

Concen: 8.242 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.42 min

Lab File: BG044013.D

Acq: 10 Jan 2020 22:36

Instrument :

BNA_G

ClientSampleId :

STUCO

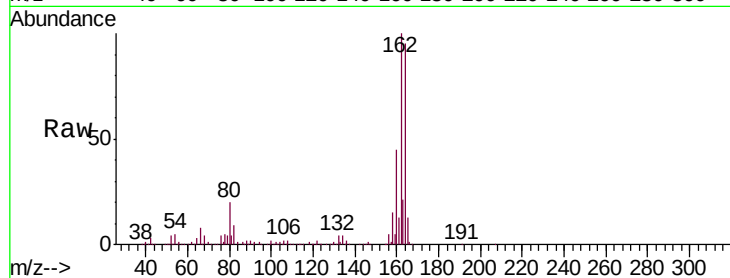
Tgt Ion:165 Resp: 46717

Ion Ratio Lower Upper

165 100

63 1.5 43.1 64.7#

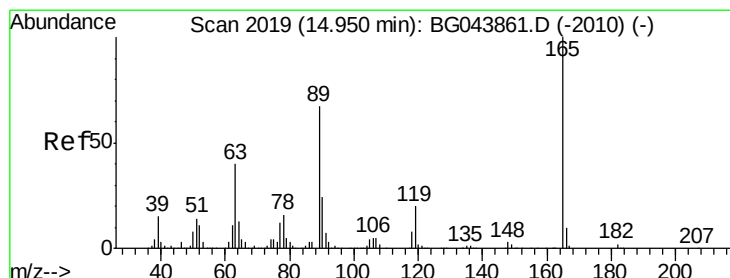
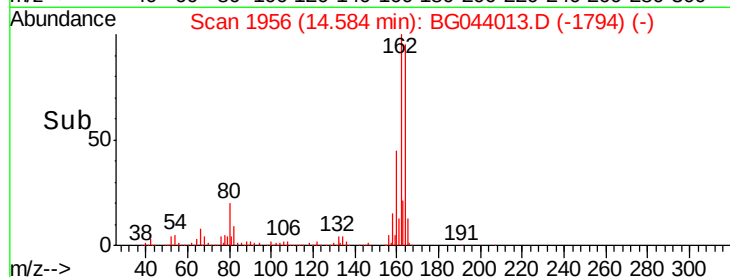
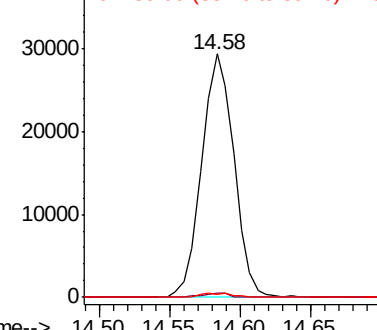
89 1.4 43.8 65.6#



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



#57

2,4-Dinitrotoluene

Concen: 6.057 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.37 min

Lab File: BG044013.D

Acq: 10 Jan 2020 22:36

Tgt Ion:165 Resp: 46717

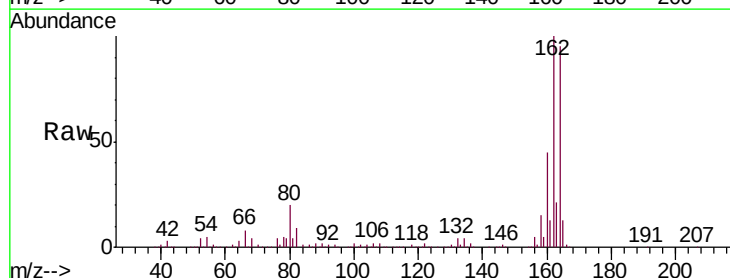
Ion Ratio Lower Upper

165 100

63 1.5 31.9 47.9#

89 1.4 53.8 80.6#

182 0.0 2.0 3.0#

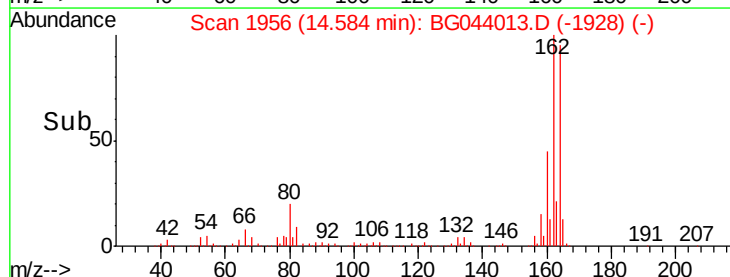
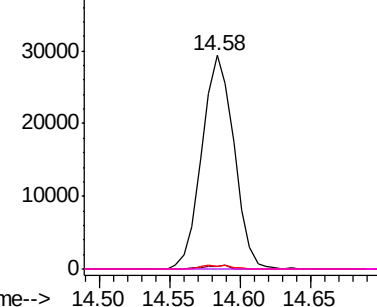


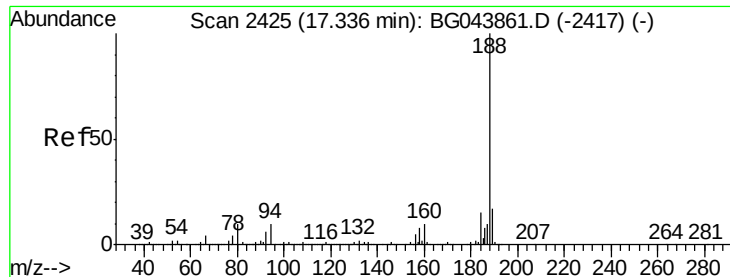
Abundance Ion 165.00 (164.70 to 165.70): E

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

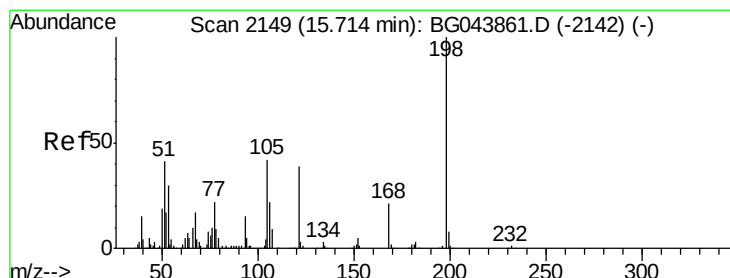
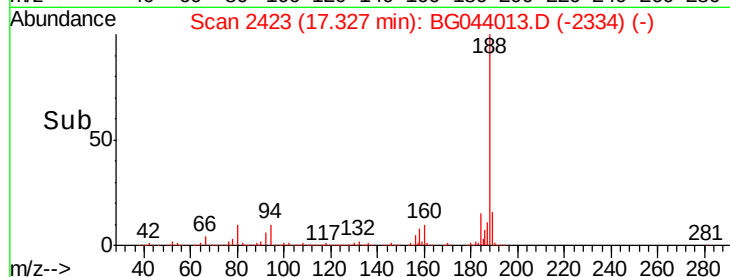
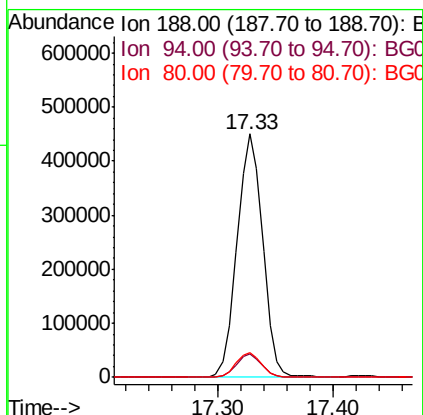
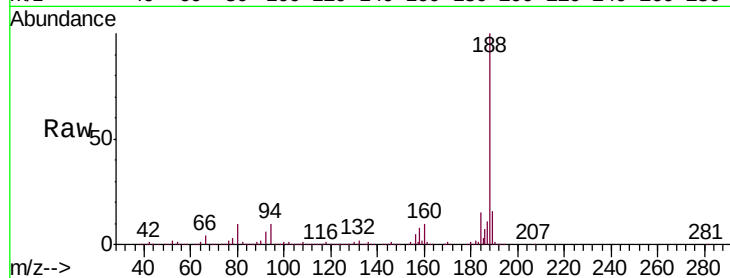




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.33 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044013.D
 Acq: 10 Jan 2020 22:36

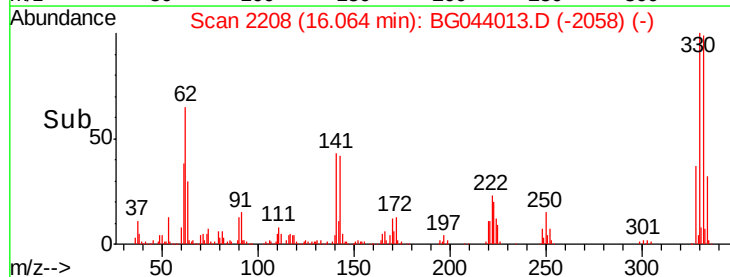
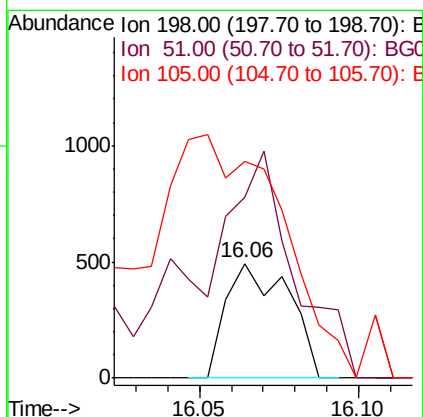
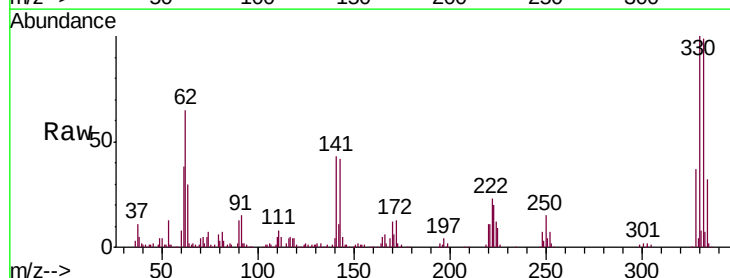
Instrument :
 BNA_G
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 STUCO

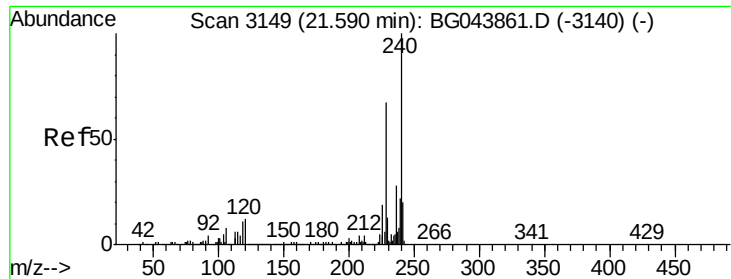
Tgt Ion:188 Resp: 691402
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.9 11.9
 80 10.3 8.2 12.4



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.561 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. 0.35 min
 Lab File: BG044013.D
 Acq: 10 Jan 2020 22:36

Tgt Ion:198 Resp: 670
 Ion Ratio Lower Upper
 198 100
 51 157.7 22.5 62.5#
 105 189.6 22.3 62.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG044013.D

Acq: 10 Jan 2020 22:36

Instrument :

BNA_G

ClientSampleId :

STUCO

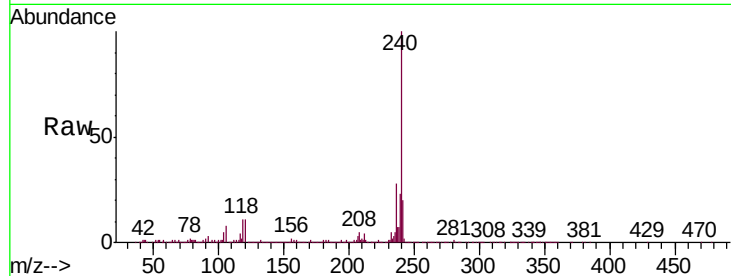
Tgt Ion:240 Resp: 572909

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

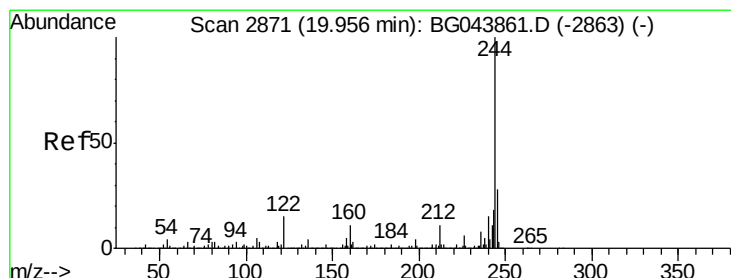
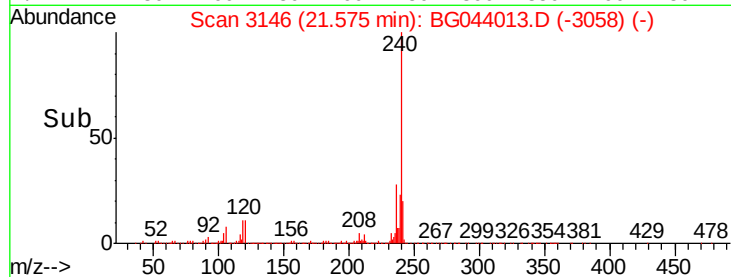
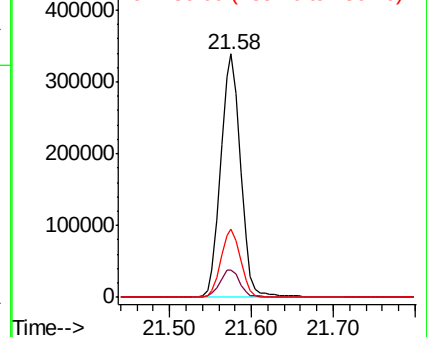
236 27.8 22.2 33.2



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



#79

Terphenyl-d14

Concen: 43.492 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG044013.D

Acq: 10 Jan 2020 22:36

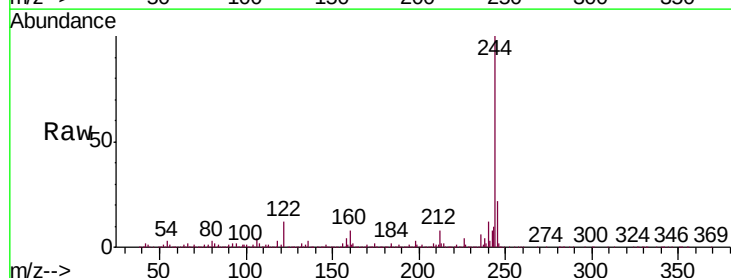
Tgt Ion:244 Resp: 1214899

Ion Ratio Lower Upper

244 100

212 8.5 8.6 13.0#

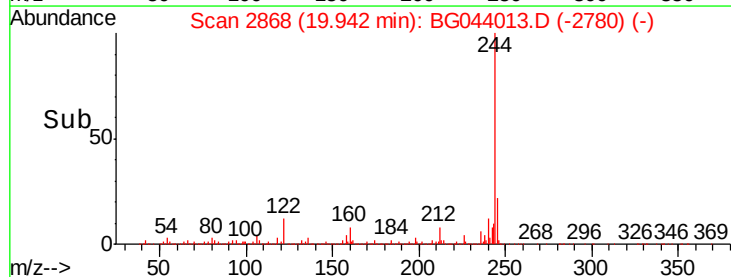
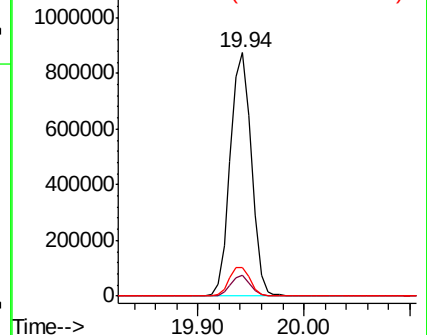
122 11.9 11.9 17.9#

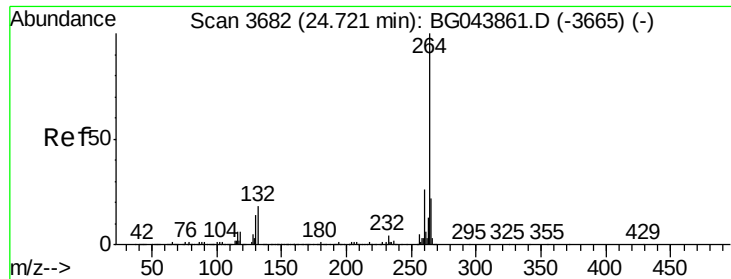


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3677
Delta R.T. -0.03 min
Lab File: BG044013.D
Acq: 10 Jan 2020 22:36

Instrument :
BNA_G
ClientSampleId :
STUCO

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.4	30.6
265	21.9	17.4	26.2

