

Data File : BG043986.D
Acq On : 9 Jan 2020 4:31
Operator : JU
Sample : K6474-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-02

Quant Time: Jan 09 06:18:27 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

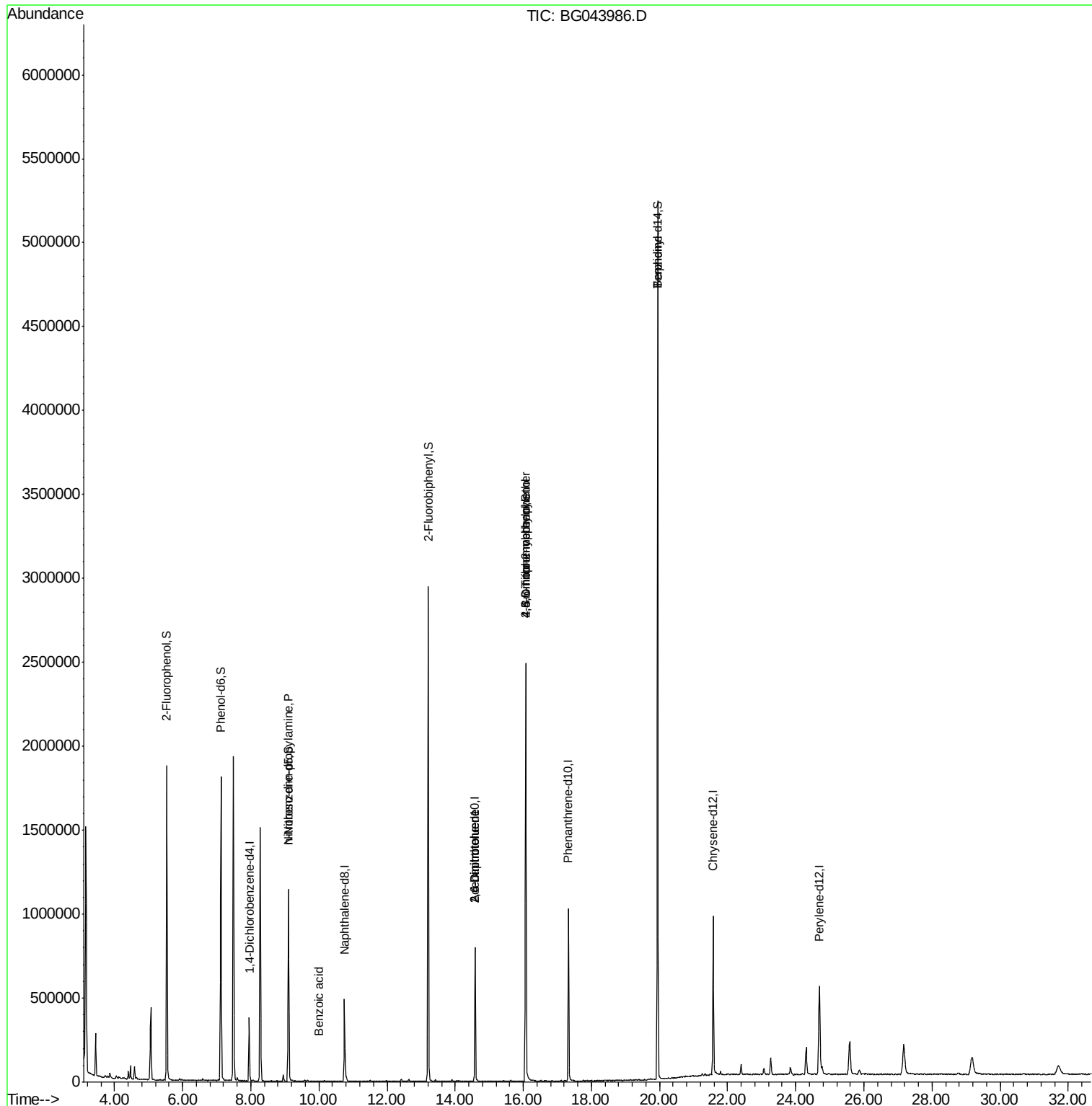
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	112441	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	443111	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	282826	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	631025	20.00	ng	0.00
76) Chrysene-d12	21.57	240	545372	20.00	ng	-0.02
87) Perylene-d12	24.69	264	552448	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	882960	144.18	ng	0.00
7) Phenol-d6	7.12	99	1134270	132.51	ng	0.00
23) Nitrobenzene-d5	9.11	82	735106	88.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	463482	156.60	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1562452	100.09	ng	-0.02
79) Terphenyl-d14	19.94	244	2310191	109.94	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	96749	15.177	ng	# 79
32) Benzoic acid	10.01	122	55	6.272	ng	# 1
51) 2,6-Dinitrotoluene	14.58	165	36795	8.107	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	36795	5.958	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1710	4.868	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	33225	4.681	ng	# 1
77) Benzidine	19.94	184	46109	3.364	ng	# 93

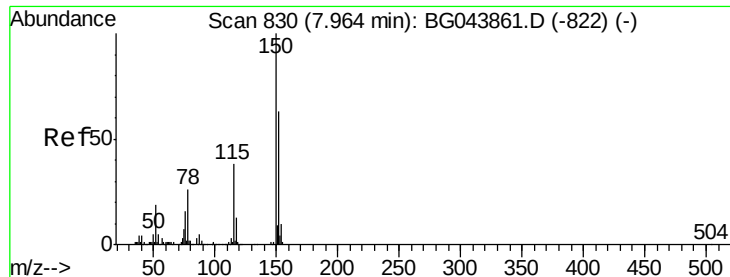
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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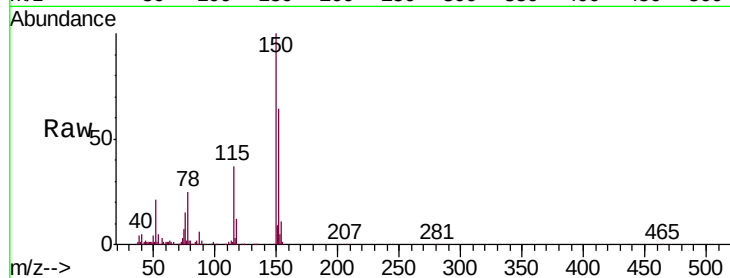


#1

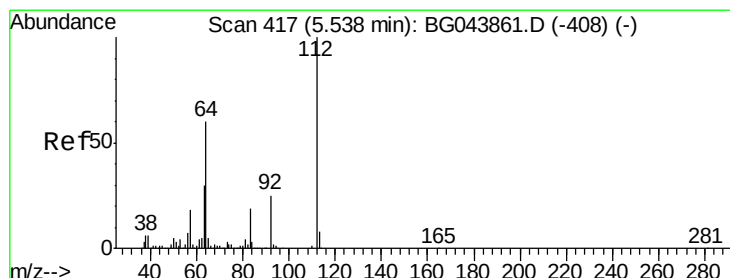
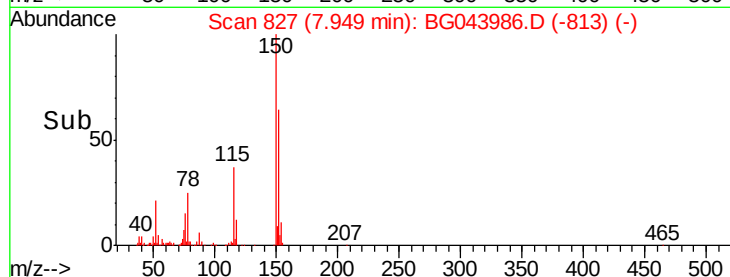
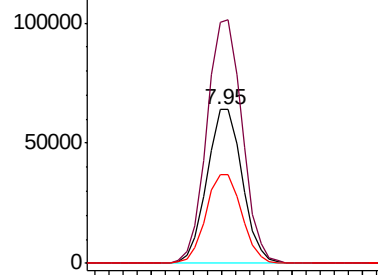
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

Instrument :
BNA_G
ClientSampleId :
SB-02

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.0	190.4
115	57.8	47.8	71.8



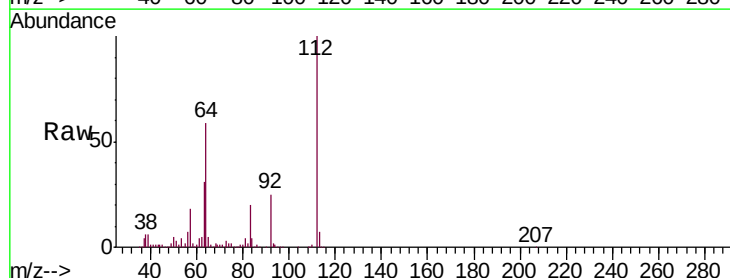
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



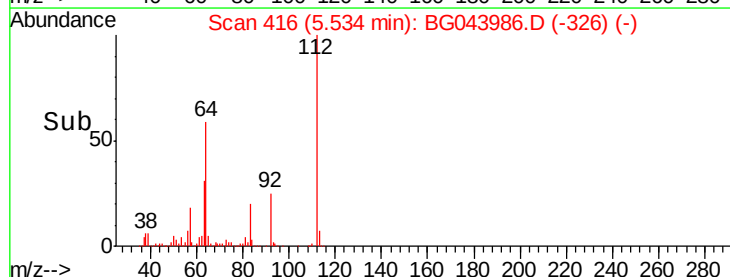
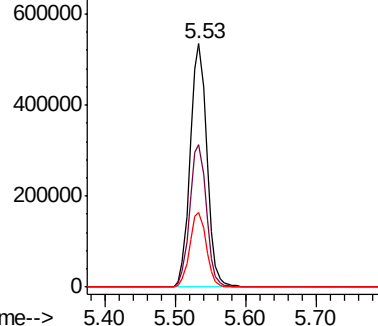
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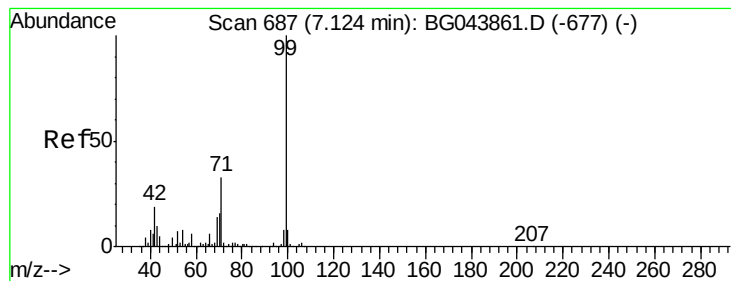
2-Fluorophenol
Concen: 144.184 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.8	71.6
63	30.7	24.3	36.5



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: 132.508 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043986.D

Acq: 9 Jan 2020 4:31

Instrument :

BNA_G

ClientSampleId :

SB-02

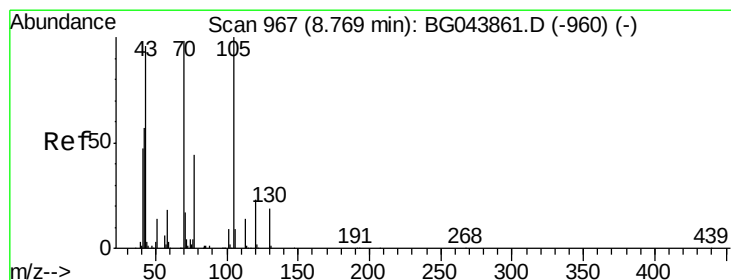
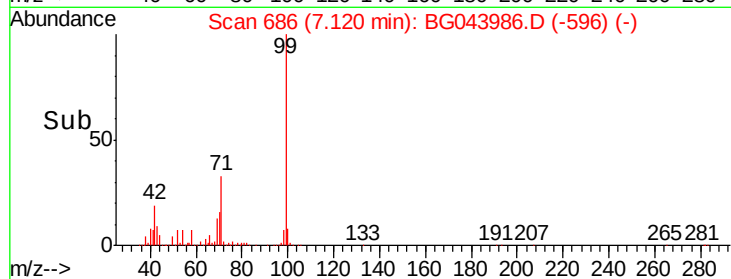
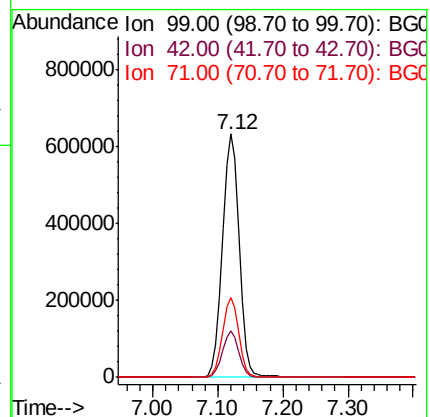
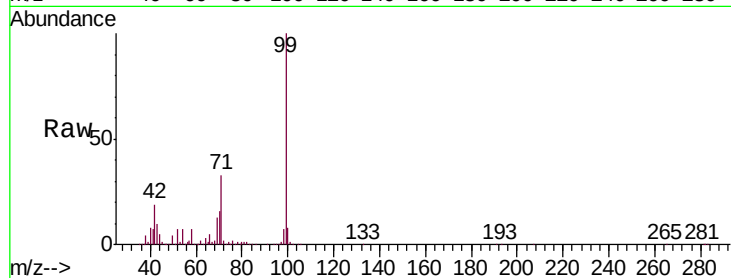
Tgt Ion: 99 Resp: 1134270

Ion Ratio Lower Upper

99 100

42 18.9 14.9 22.3

71 33.0 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.177 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG043986.D

Acq: 9 Jan 2020 4:31

Tgt Ion: 70 Resp: 96749

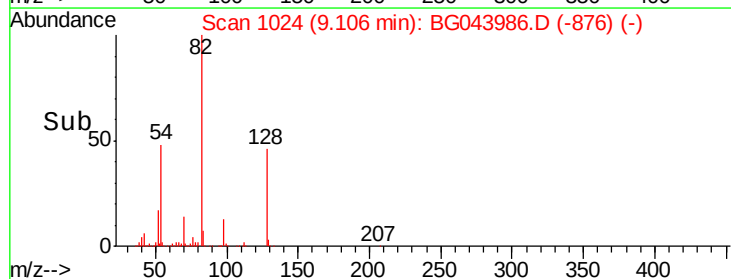
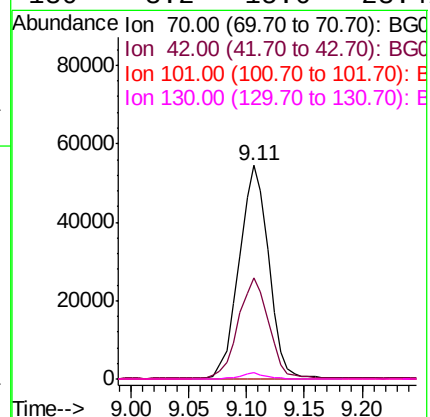
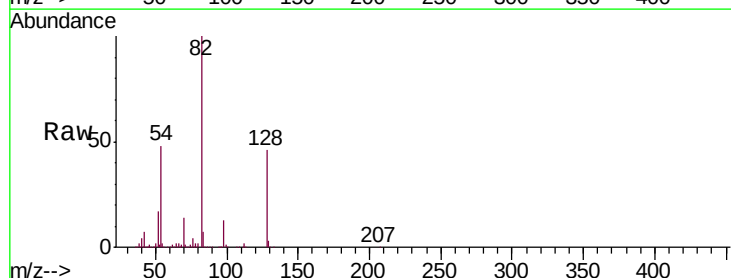
Ion Ratio Lower Upper

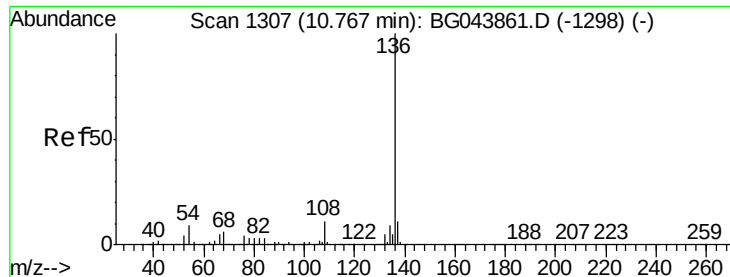
70 100

42 47.5 47.0 70.4

101 0.0 7.2 10.8#

130 3.2 15.6 23.4#

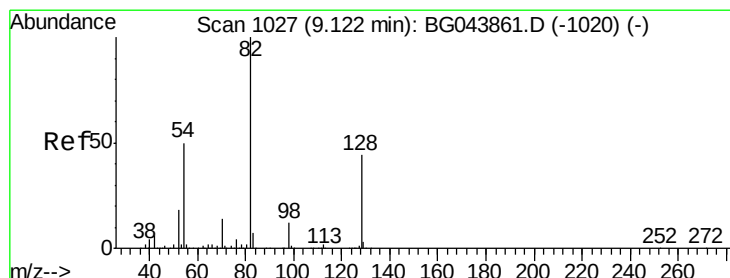
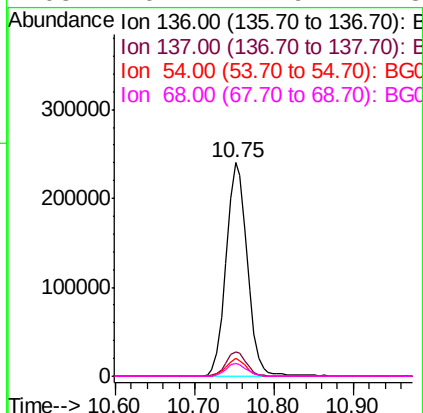
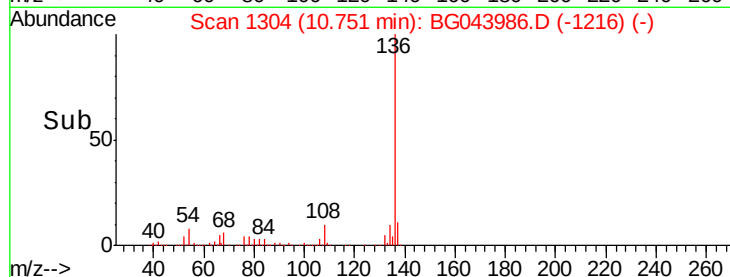
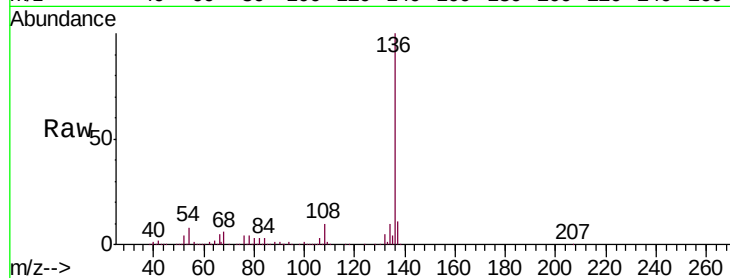




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

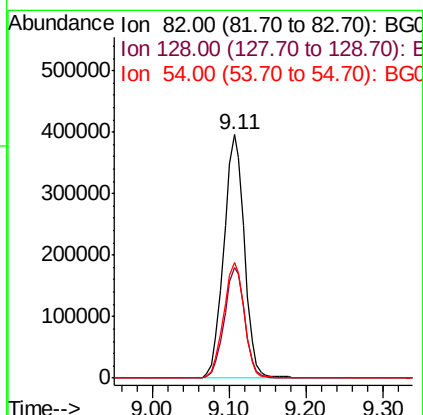
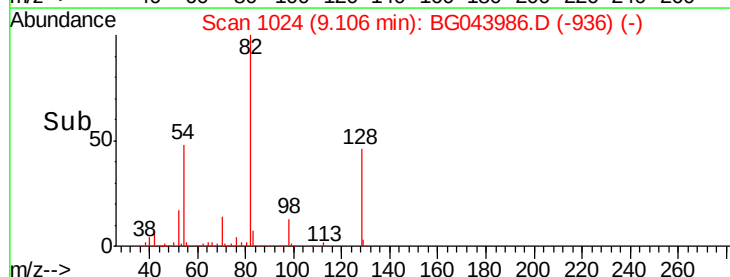
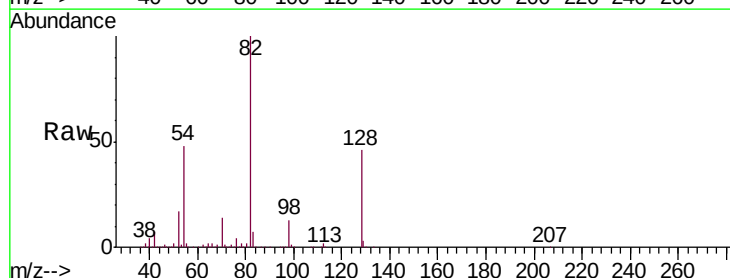
Instrument :
BNA_G
ClientSampleId :
SB-02

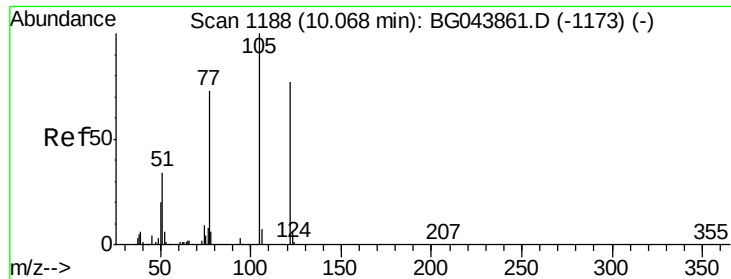
Tgt Ion:	136	Resp:	443111
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.1	7.0	10.4
68	6.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 88.748 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

Tgt Ion:	82	Resp:	735106
Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.1	52.7
54	47.6	40.1	60.1

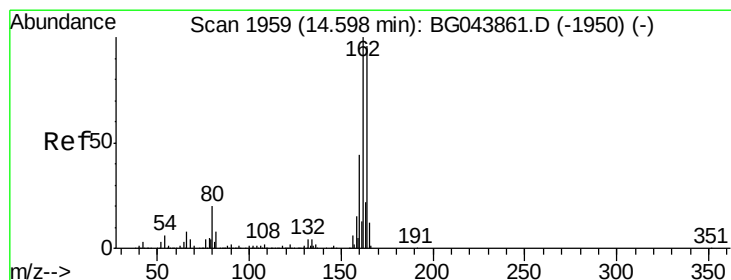
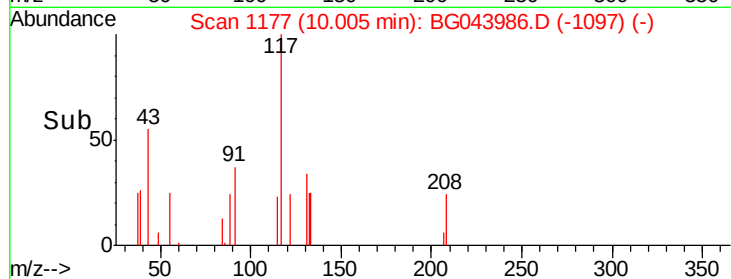
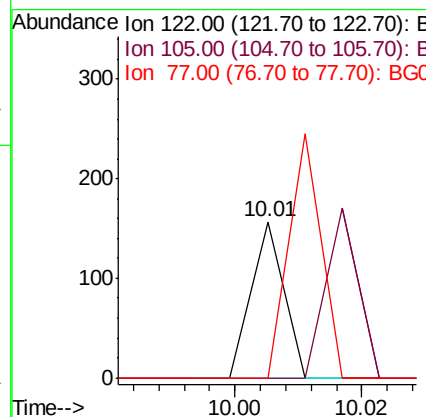
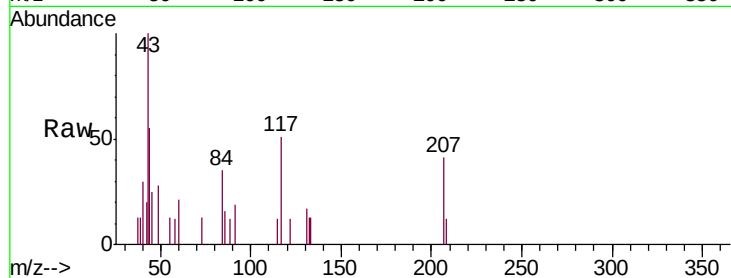




#32
Benzoic acid
Concen: 6.272 ng
RT: 10.01 min Scan# 1177
Delta R.T. -0.06 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

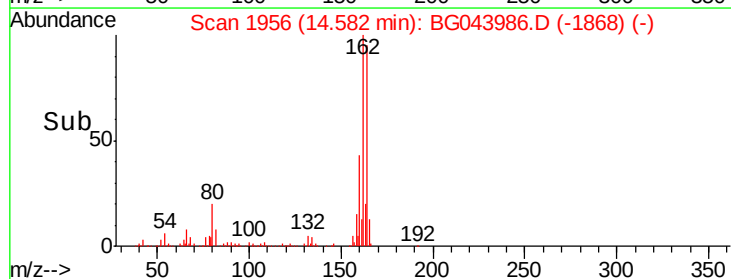
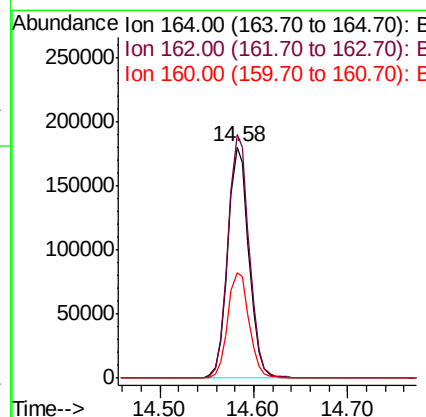
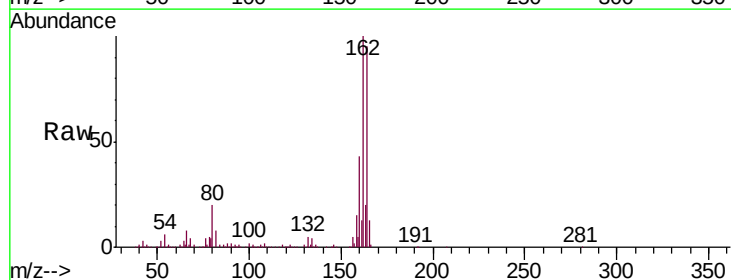
Instrument :
BNA_G
ClientSampleId :
SB-02

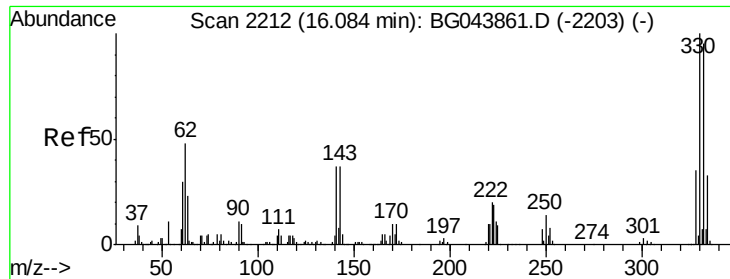
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.0	124.4
160	45.4	36.1	54.1

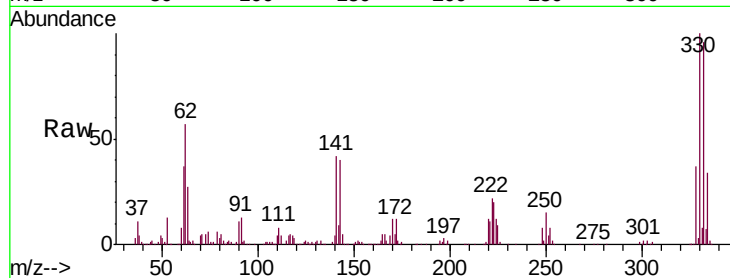




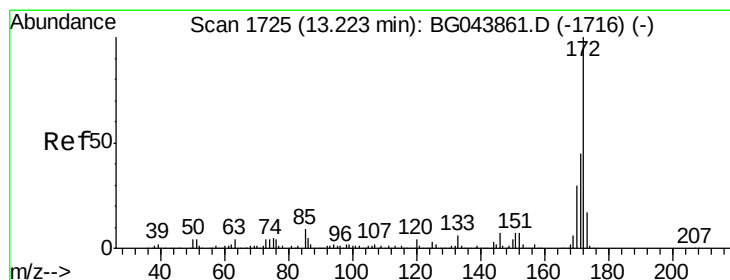
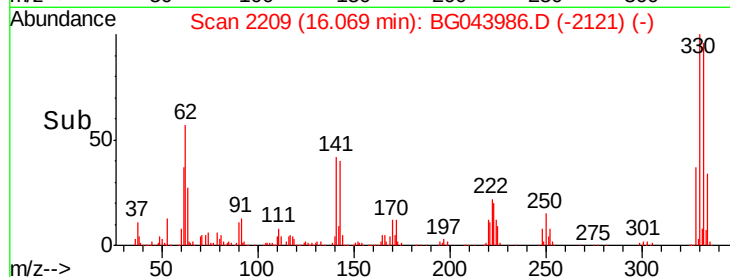
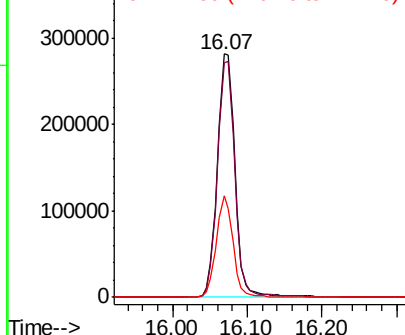
#42
 2,4,6-Tribromophenol
 Concen: 156.597 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG043986.D
 Acq: 9 Jan 2020 4:31

Instrument :
 BNA_G
 ClientSampled :
 SB-02

Tgt Ion:330 Resp: 463482
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.2 115.8
 141 38.9 33.1 49.7

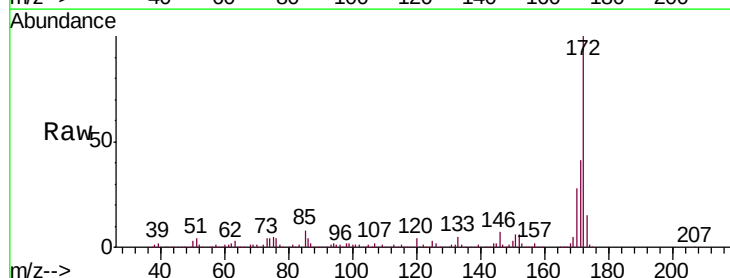


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

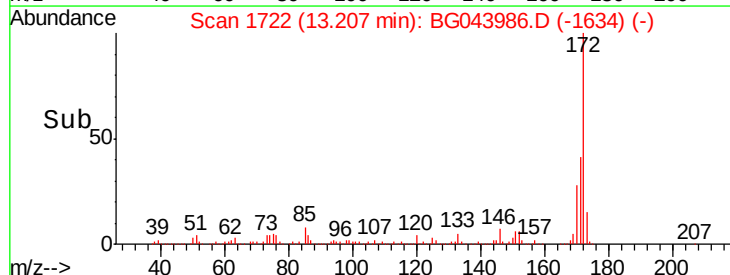
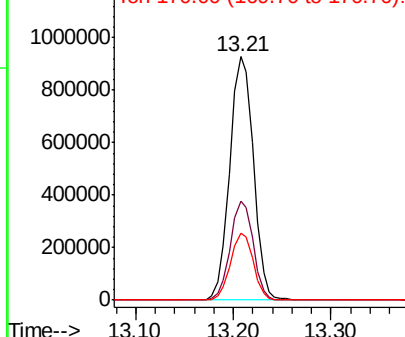


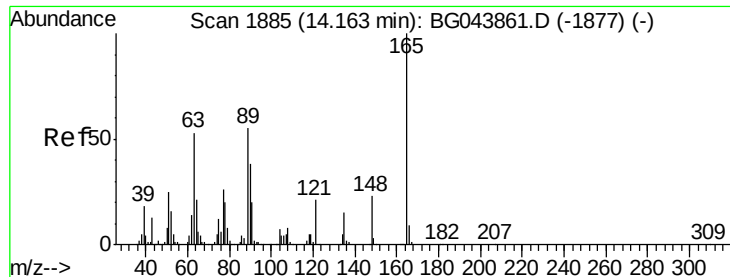
#45
 2-Fluorobiphenyl
 Concen: 100.090 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG043986.D
 Acq: 9 Jan 2020 4:31

Tgt Ion:172 Resp: 1562452
 Ion Ratio Lower Upper
 172 100
 171 40.5 35.8 53.8
 170 27.6 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





#51

2,6-Dinitrotoluene

Concen: 8.107 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.42 min

Lab File: BG043986.D

Acq: 9 Jan 2020 4:31

Instrument :

BNA_G

ClientSampleId :

SB-02

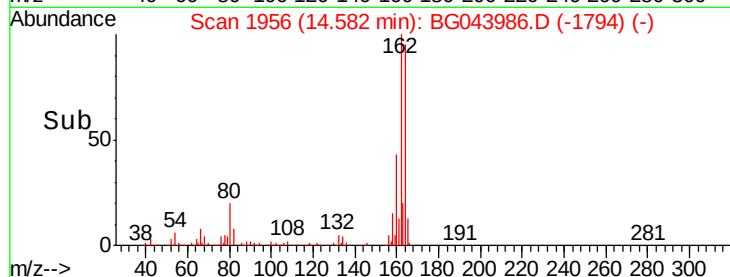
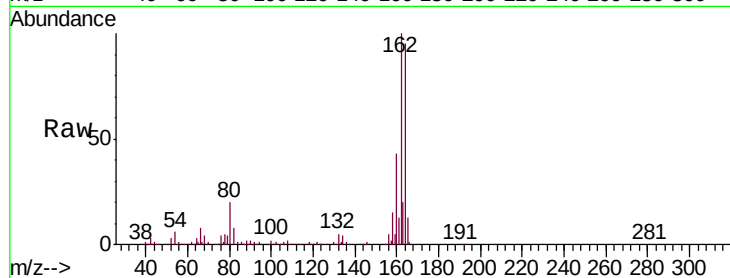
Tgt Ion:165 Resp: 36795

Ion Ratio Lower Upper

165 100

63 1.4 43.1 64.7#

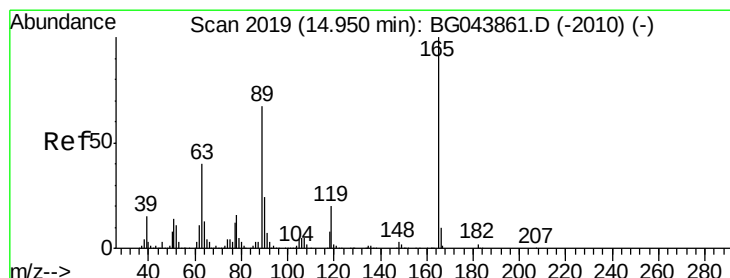
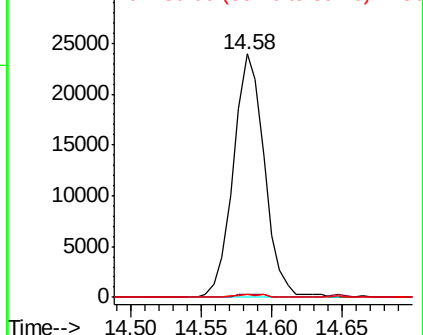
89 1.4 43.8 65.6#



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: 5.958 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.37 min

Lab File: BG043986.D

Acq: 9 Jan 2020 4:31

Tgt Ion:165 Resp: 36795

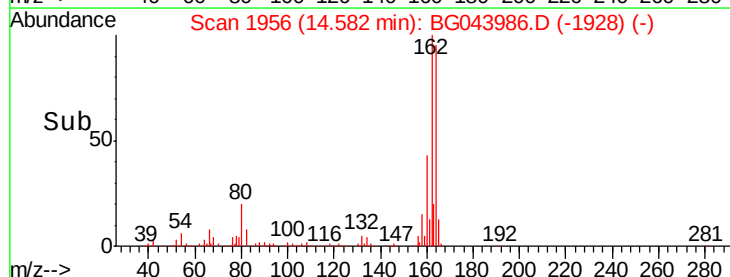
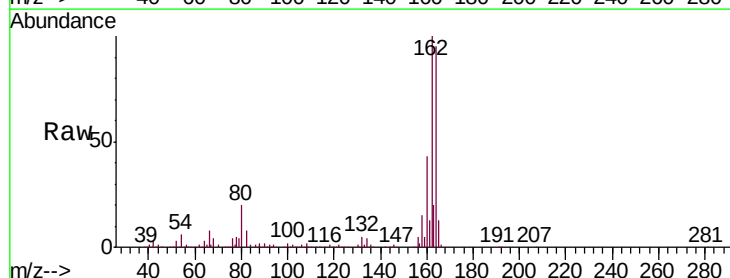
Ion Ratio Lower Upper

165 100

63 1.4 31.9 47.9#

89 1.4 53.8 80.6#

182 0.0 2.0 3.0#

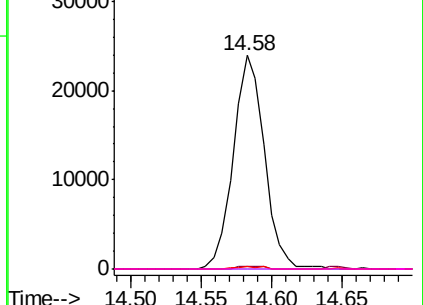


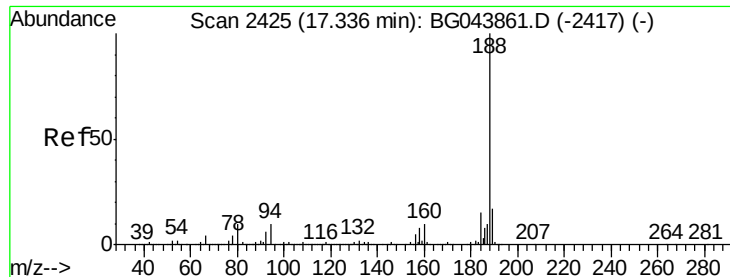
Abundance Ion 165.00 (164.70 to 165.70): E

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

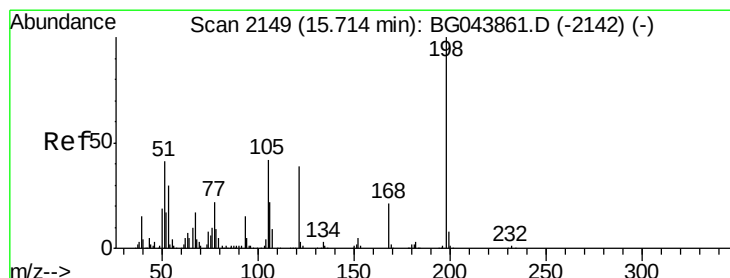
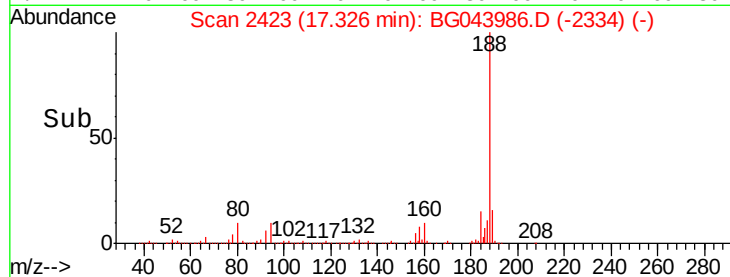
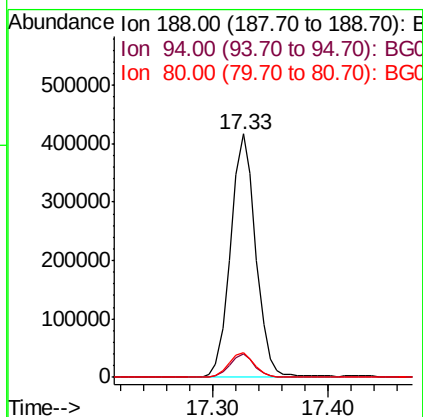
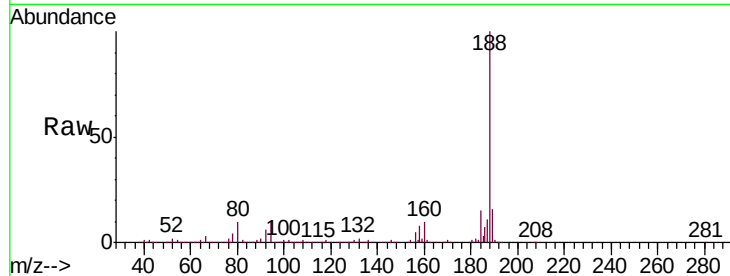




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

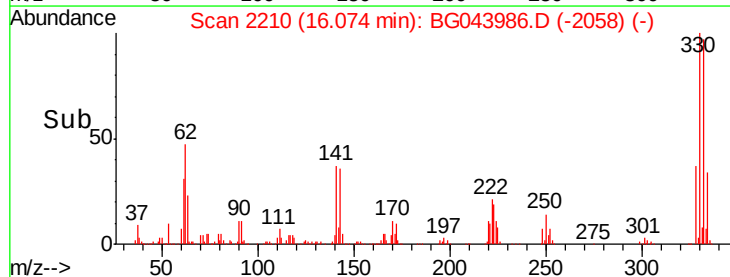
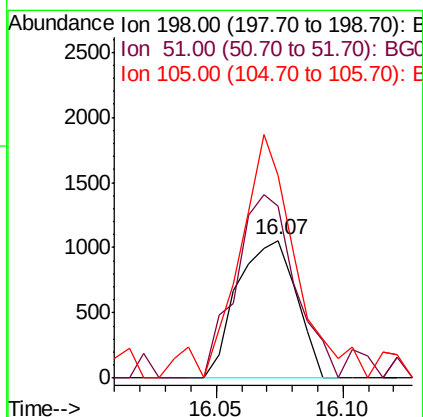
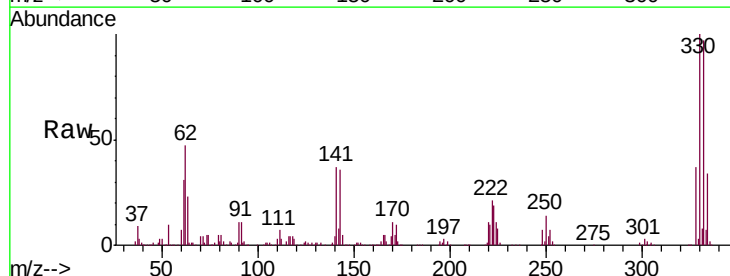
Instrument :
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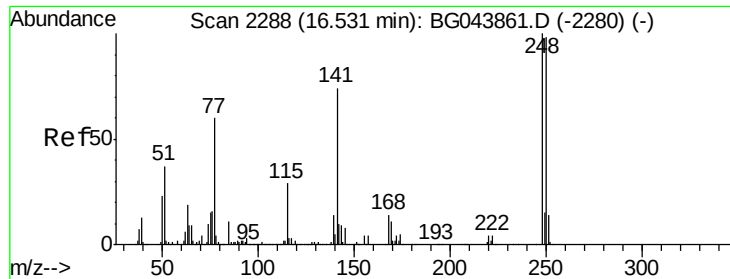
Tgt Ion:188 Resp: 631025
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.2 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.868 ng
RT: 16.07 min Scan# 2210
Delta R.T. 0.36 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

Tgt Ion:198 Resp: 1710
Ion Ratio Lower Upper
198 100
51 125.0 22.5 62.5#
105 147.4 22.3 62.3#

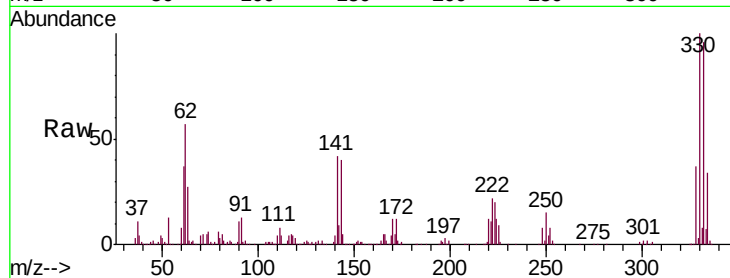




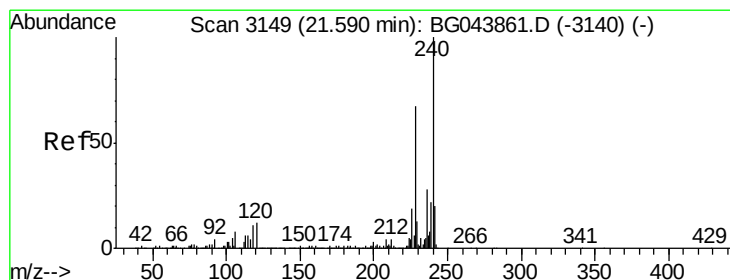
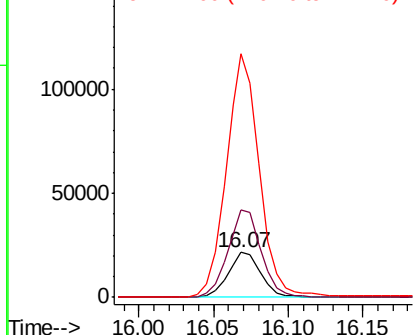
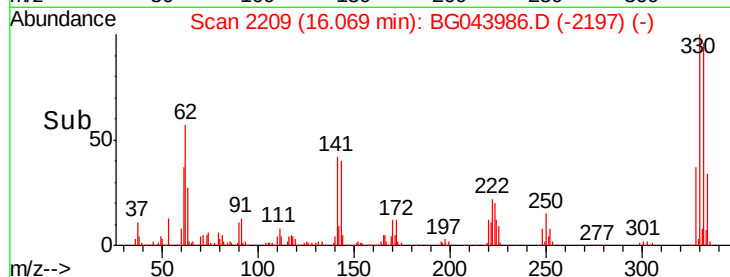
#67
4-Bromophenyl-phenylether
Concen: 4.681 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.46 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

Instrument :
BNA_G
ClientSampleId :
SB-02

Tgt Ion:248 Resp: 33225
Ion Ratio Lower Upper
248 100
250 194.6 78.2 117.2#
141 543.4 59.3 88.9#

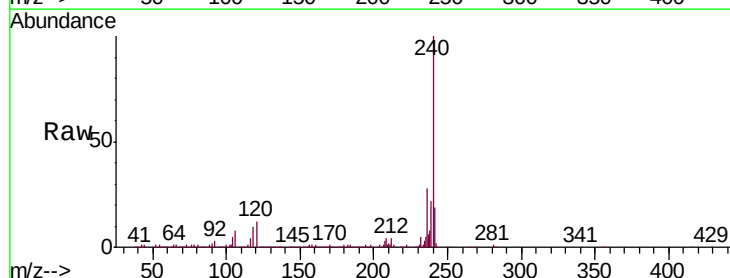


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

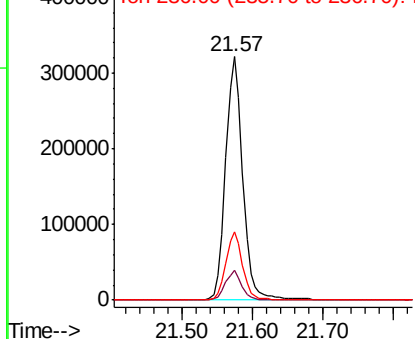
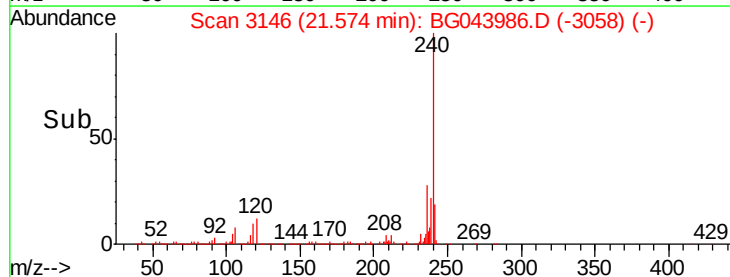


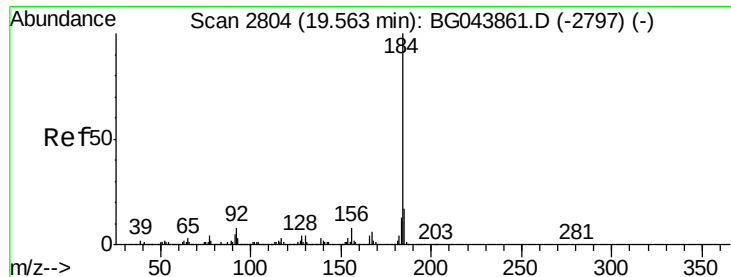
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG043986.D
Acq: 9 Jan 2020 4:31

Tgt Ion:240 Resp: 545372
Ion Ratio Lower Upper
240 100
120 12.1 9.6 14.4
236 28.0 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





#77

Benzidine

Concen: 3.364 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG043986.D

Acq: 9 Jan 2020 4:31

Instrument :

BNA_G

ClientSampleId :

SB-02

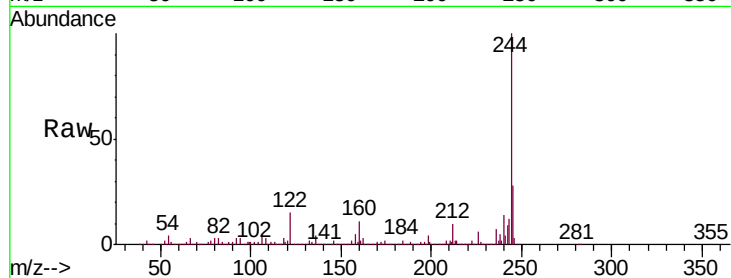
Tgt Ion:184 Resp: 46109

Ion Ratio Lower Upper

184 100

185 16.7 13.4 20.0

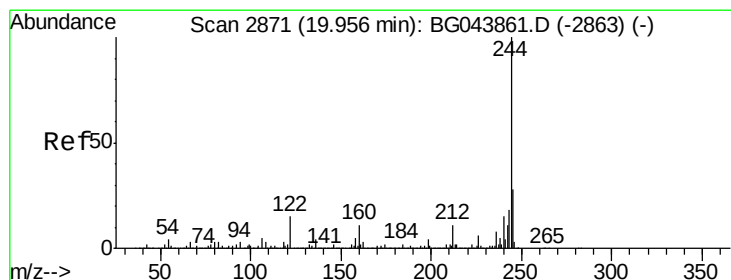
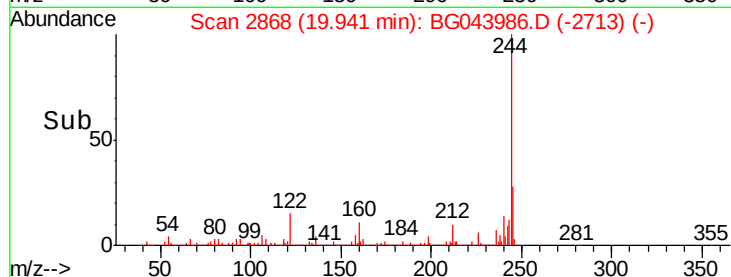
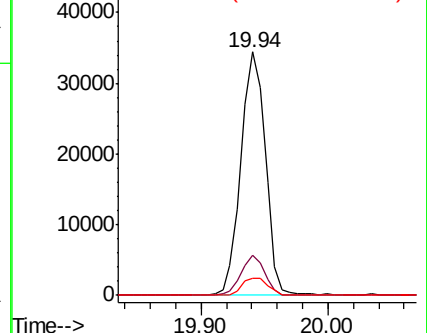
183 7.1 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 109.936 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG043986.D

Acq: 9 Jan 2020 4:31

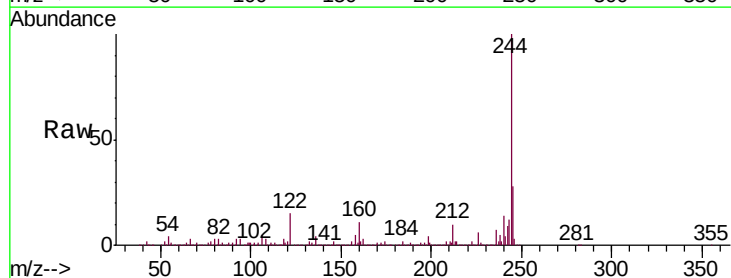
Tgt Ion:244 Resp: 2310191

Ion Ratio Lower Upper

244 100

212 10.4 8.6 13.0

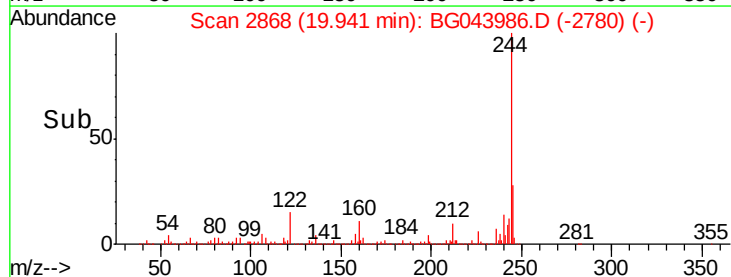
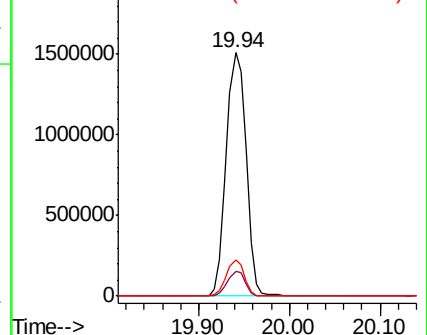
122 14.8 11.9 17.9

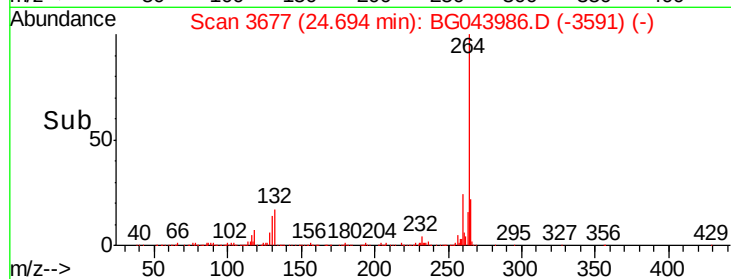
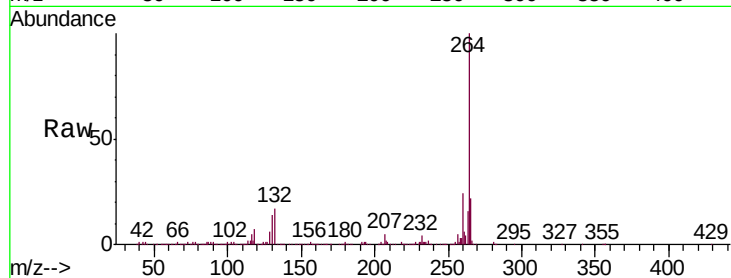
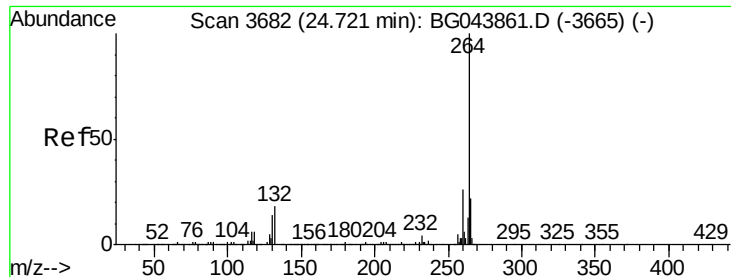


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.69 min Scan# 3677

Delta R.T. -0.03 min

Lab File: BG043986.D

Acq: 9 Jan 2020 4:31

Instrument :

BNA_G

ClientSampleId :

SB-02

Tgt Ion:264 Resp: 552448

Ion Ratio Lower Upper

264 100

260 23.8 20.4 30.6

265 21.9 17.4 26.2

