

Data File : BG043983.D
Acq On : 9 Jan 2020 2:34
Operator : JU
Sample : K6456-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03

Quant Time: Jan 09 06:17:42 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

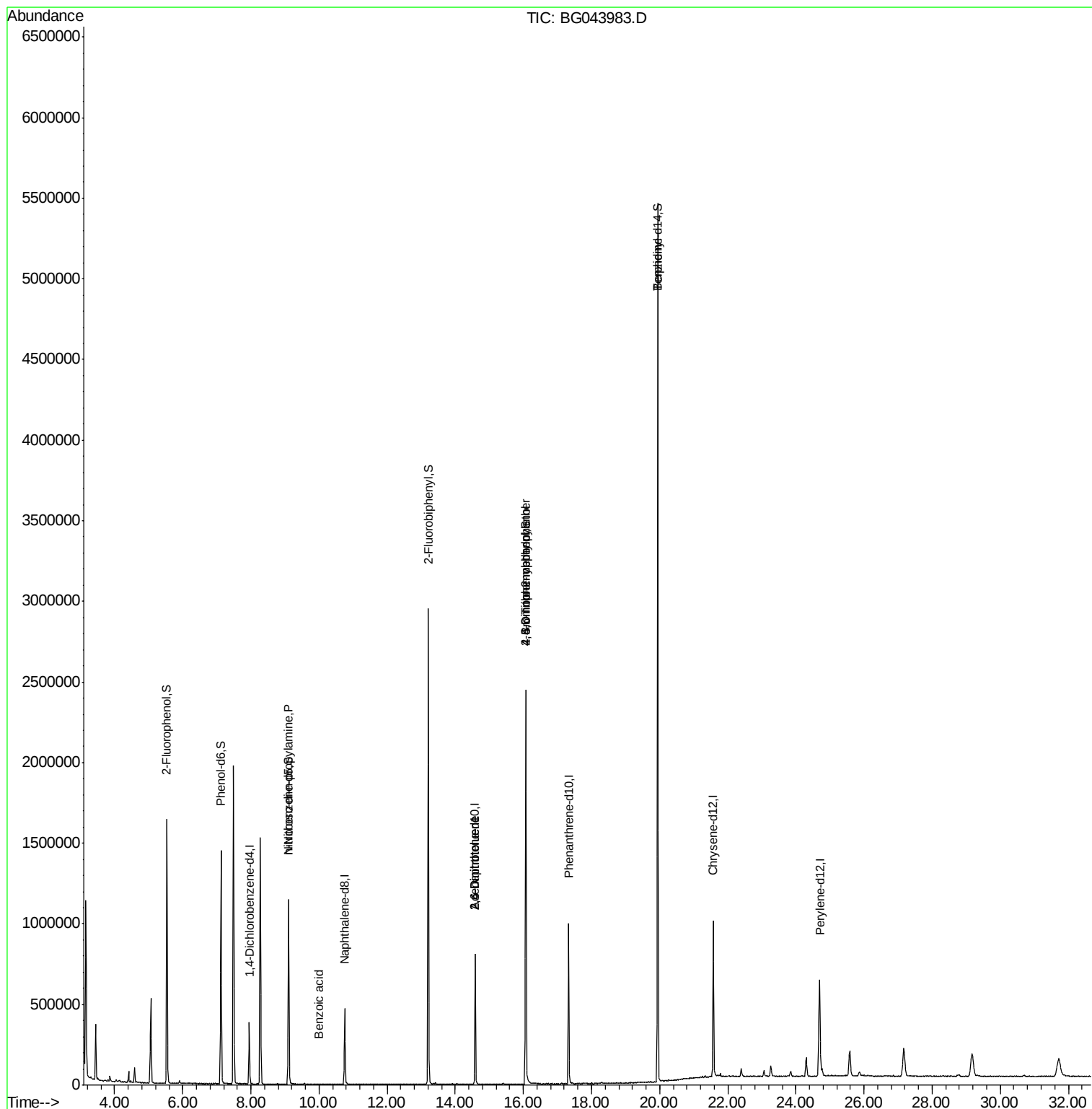
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	111461	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	439277	20.00	ng	-0.01
39) Acenaphthene-d10	14.59	164	287985	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	644452	20.00	ng	0.00
76) Chrysene-d12	21.57	240	574164	20.00	ng	-0.02
87) Perylene-d12	24.70	264	624050	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	781138	128.68	ng	0.00
7) Phenol-d6	7.12	99	934104	110.08	ng	0.00
23) Nitrobenzene-d5	9.10	82	746861	90.95	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	468502	155.46	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	1569791	98.76	ng	-0.01
79) Terphenyl-d14	19.94	244	2393819	107.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	99773	15.789	ng	# 76
32) Benzoic acid	10.00	122	59	6.273	ng	# 1
51) 2,6-Dinitrotoluene	14.59	165	37300	8.071	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	37300	5.931	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.07	198	1544	4.812	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	34465	4.755	ng	# 1
77) Benzidine	19.94	184	46646	3.232	ng	# 93

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

Data File : BG043983.D
Acq On : 9 Jan 2020 2:34
Operator : JU
Sample : K6456-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03

Quant Time: Jan 09 06:17:42 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



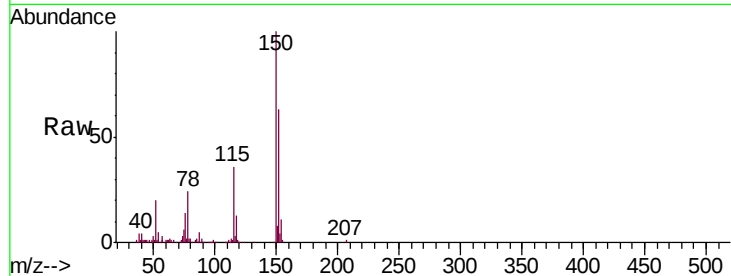


#1

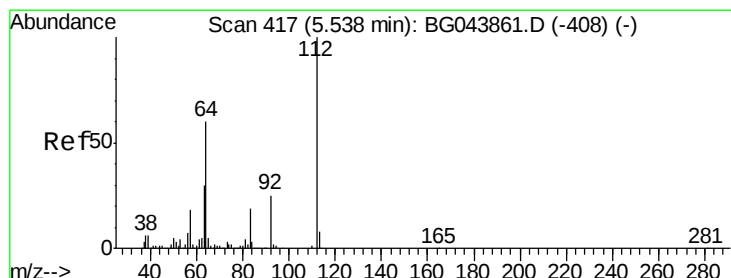
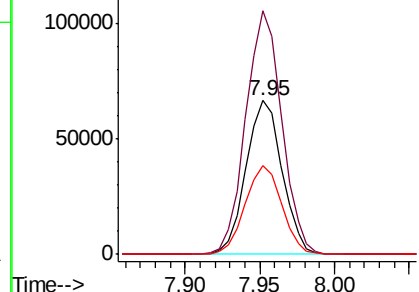
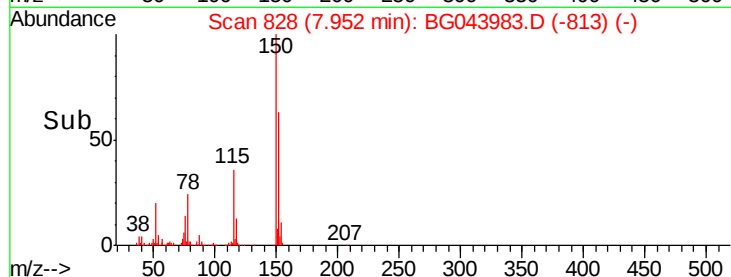
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Instrument :
BNA_G
ClientSampled :
SB-03

Tgt Ion:152 Resp: 111461
Ion Ratio Lower Upper
152 100
150 158.2 127.0 190.4
115 57.4 47.8 71.8



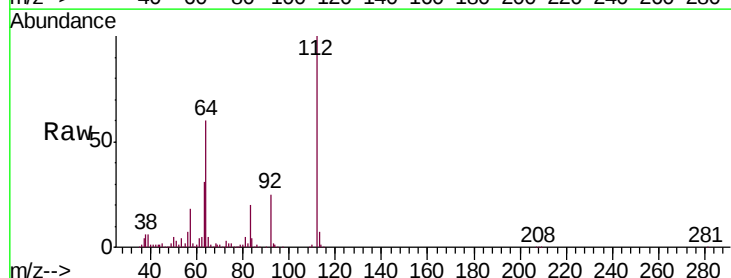
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



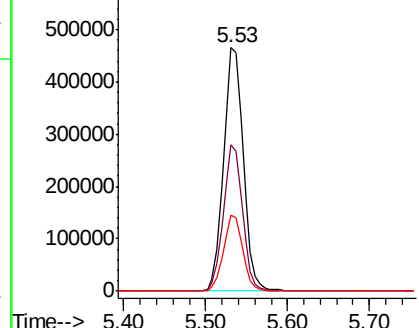
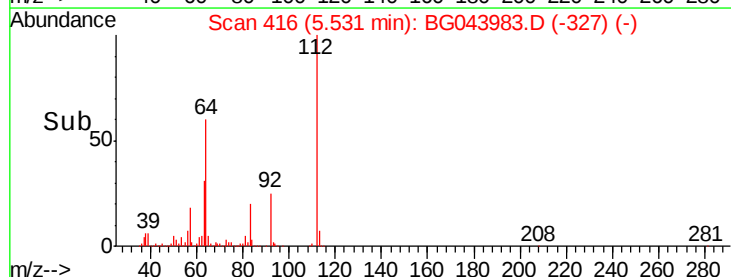
#5

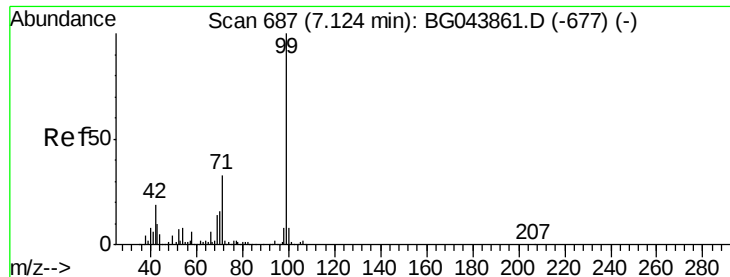
2-Fluorophenol
Concen: 128.679 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Tgt Ion:112 Resp: 781138
Ion Ratio Lower Upper
112 100
64 60.0 47.8 71.6
63 31.4 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: 110.084 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG043983.D

Acq: 9 Jan 2020 2:34

Instrument :

BNA_G

ClientSampleId :

SB-03

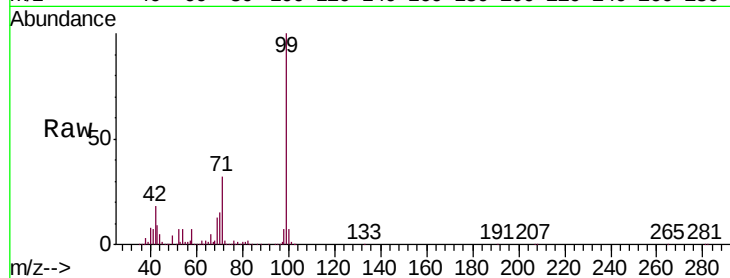
Tgt Ion: 99 Resp: 934104

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

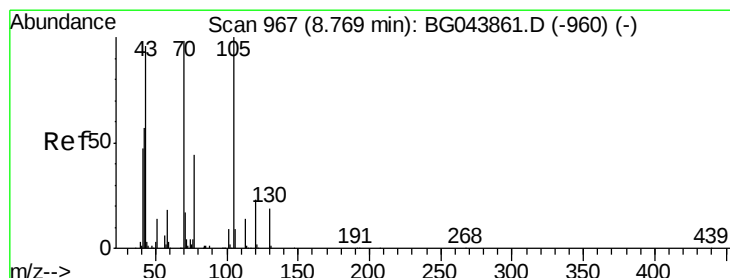
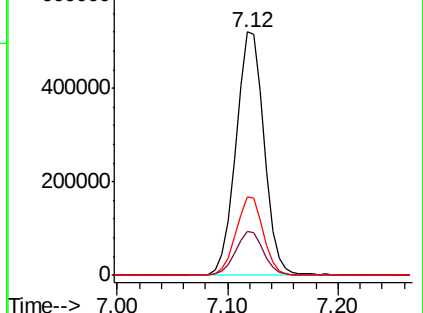
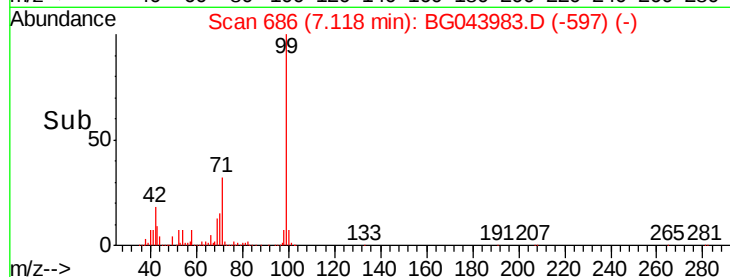
71 32.0 26.4 39.6



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: 15.789 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.33 min

Lab File: BG043983.D

Acq: 9 Jan 2020 2:34

Tgt Ion: 70 Resp: 99773

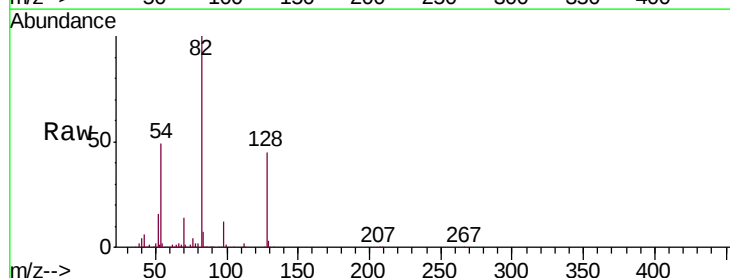
Ion Ratio Lower Upper

70 100

42 44.3 47.0 70.4#

101 0.0 7.2 10.8#

130 2.4 15.6 23.4#

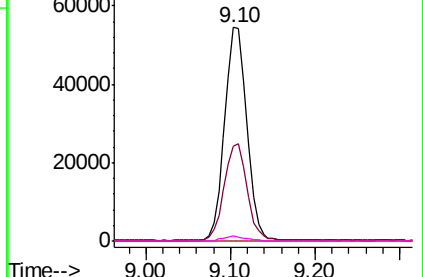
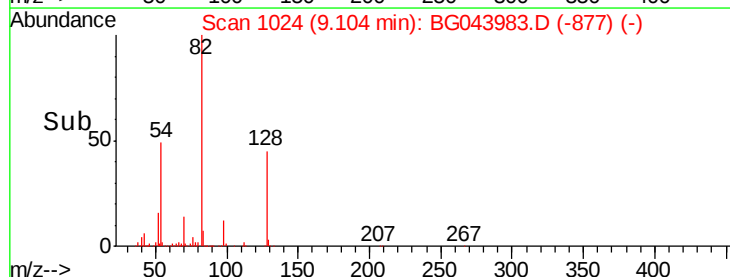


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

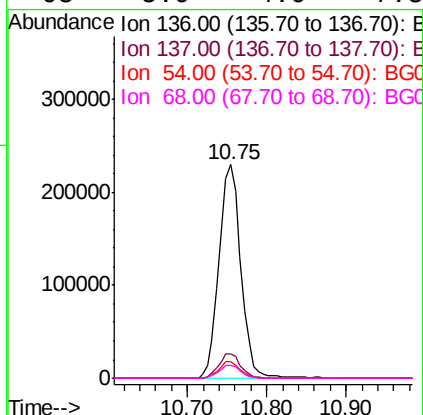
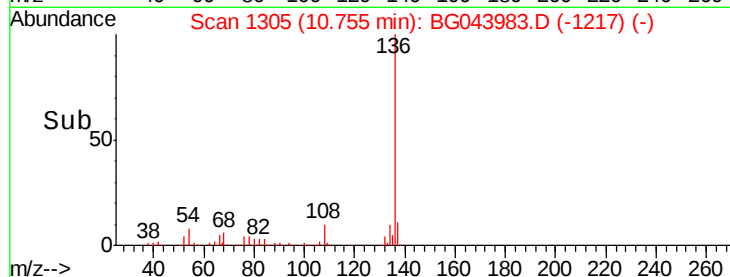
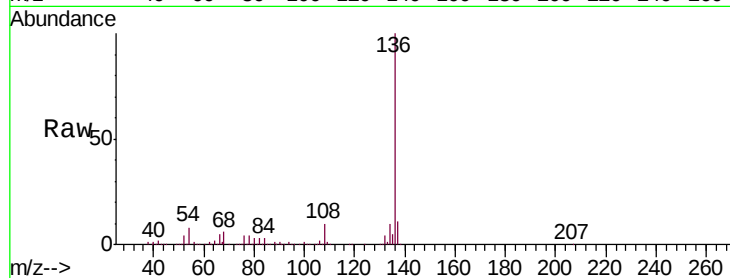




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

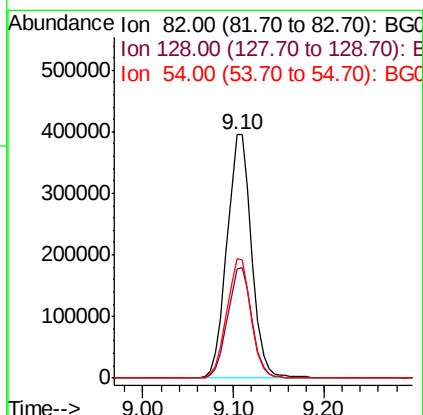
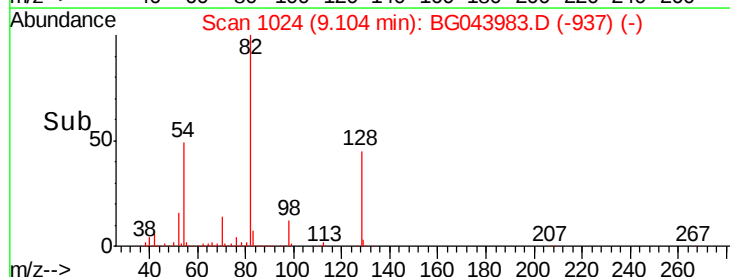
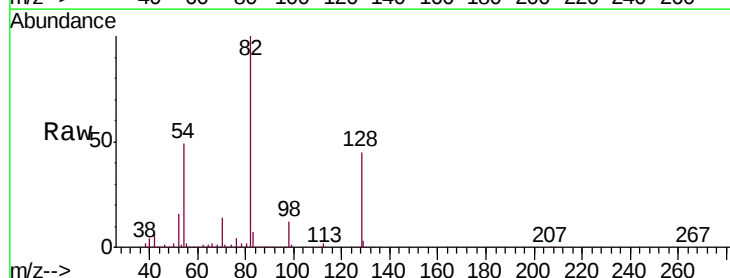
Instrument :
BNA_G
ClientSampleId :
SB-03

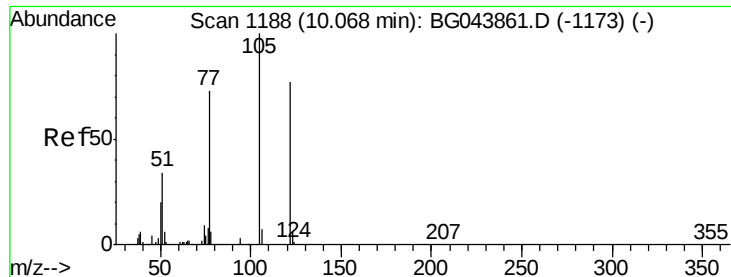
Tgt Ion:	136	Resp:	439277
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.6	7.0	10.4
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 90.954 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Tgt Ion:	82	Resp:	746861
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.1	52.7
54	49.0	40.1	60.1

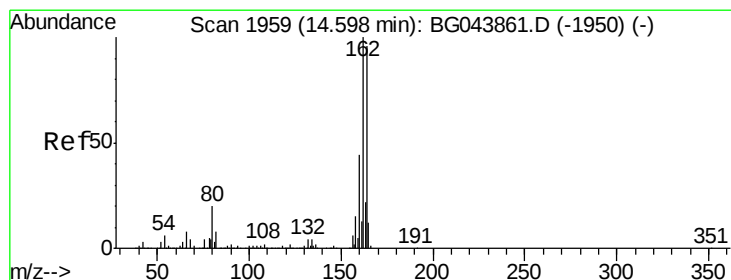
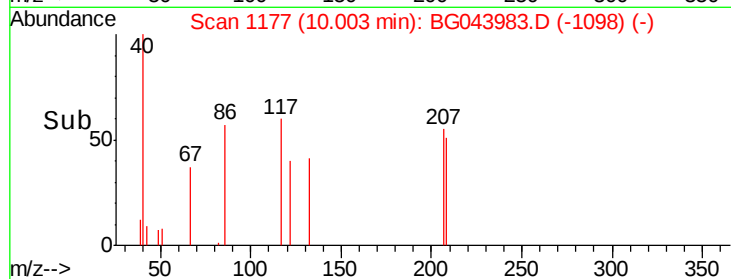
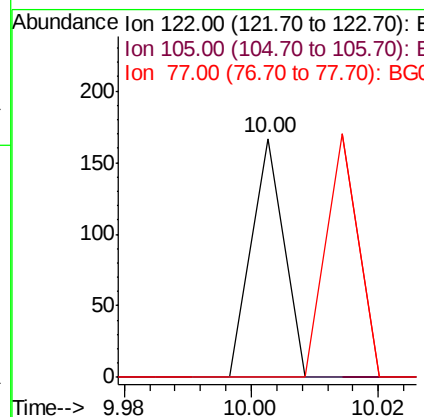
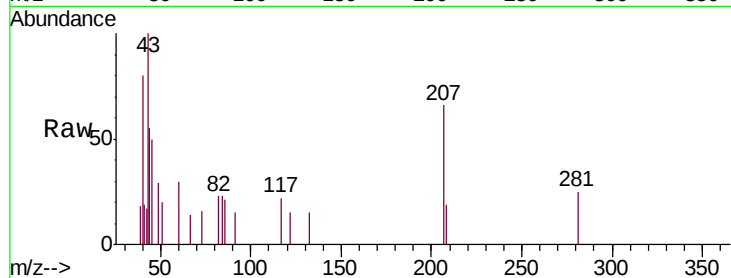




#32
Benzoic acid
Concen: 6.273 ng
RT: 10.00 min Scan# 1177
Delta R.T. -0.06 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

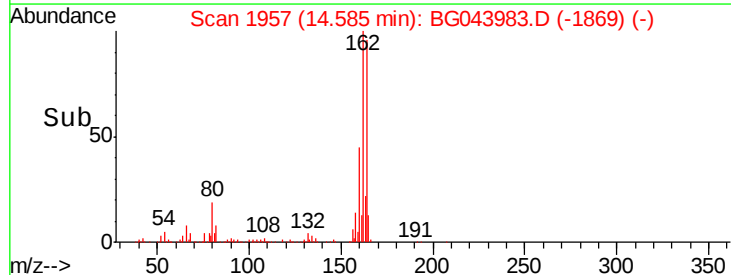
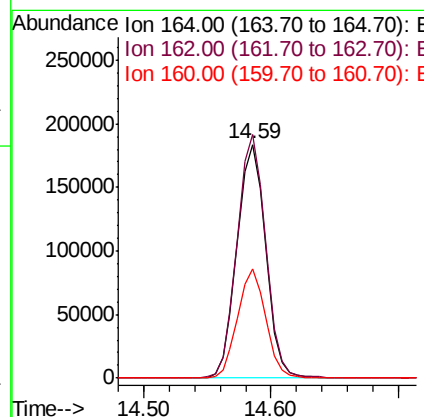
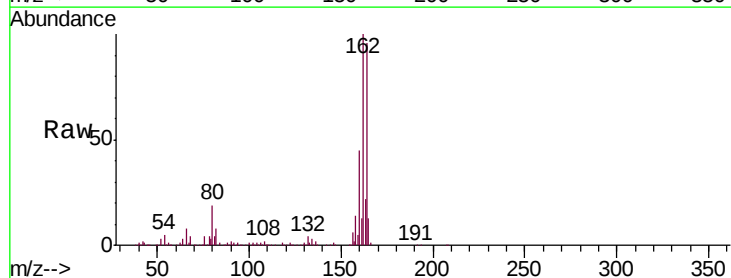
Instrument :
BNA_G
ClientSampled :
SB-03

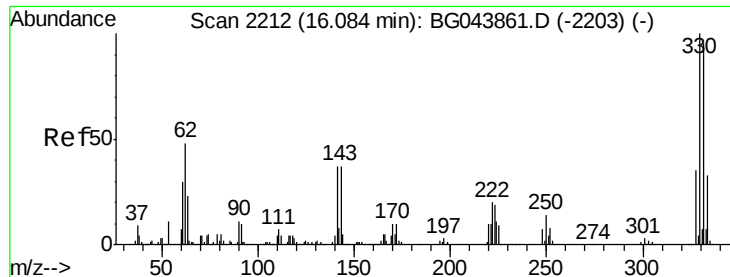
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.0	124.4
160	46.7	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 155.457 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG043983.D

Acq: 9 Jan 2020 2:34

Instrument :

BNA_G

ClientSampleId :

SB-03

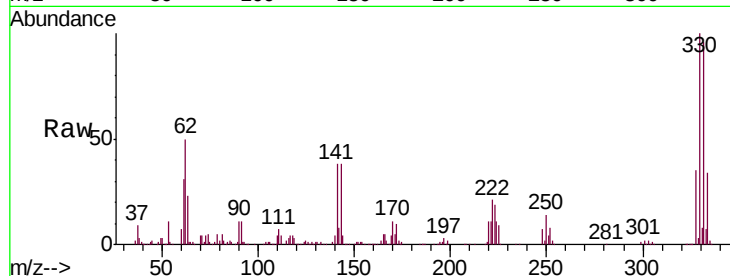
Tgt Ion:330 Resp: 468502

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

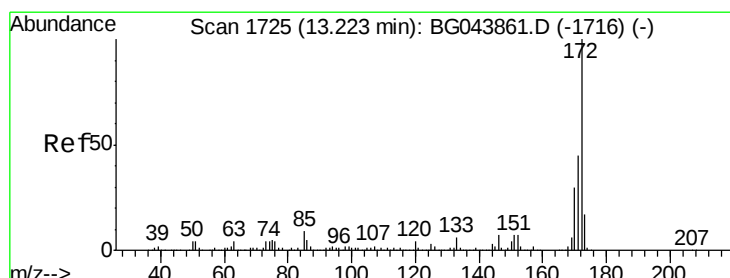
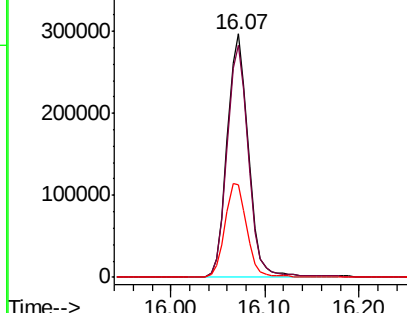
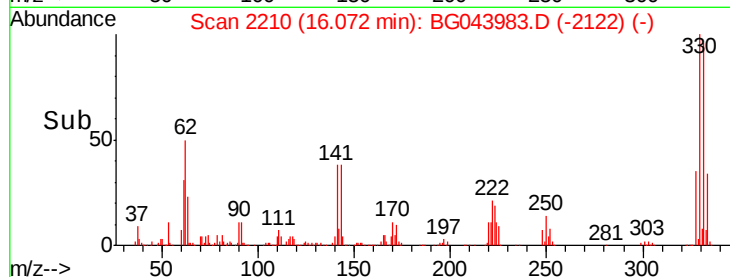
141 39.6 33.1 49.7



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: 98.759 ng

RT: 13.21 min Scan# 1723

Delta R.T. -0.01 min

Lab File: BG043983.D

Acq: 9 Jan 2020 2:34

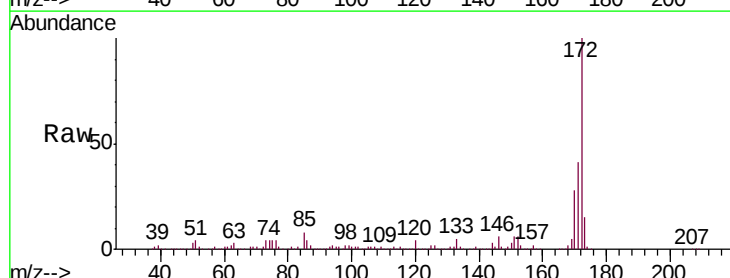
Tgt Ion:172 Resp: 1569791

Ion Ratio Lower Upper

172 100

171 41.0 35.8 53.8

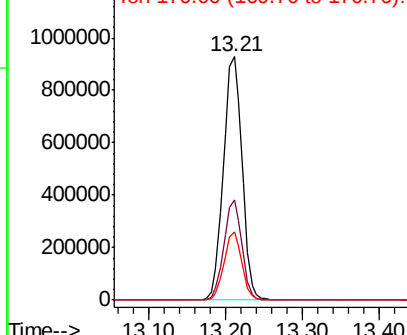
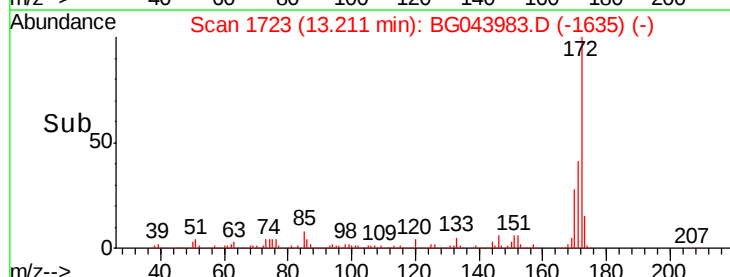
170 27.8 24.2 36.4

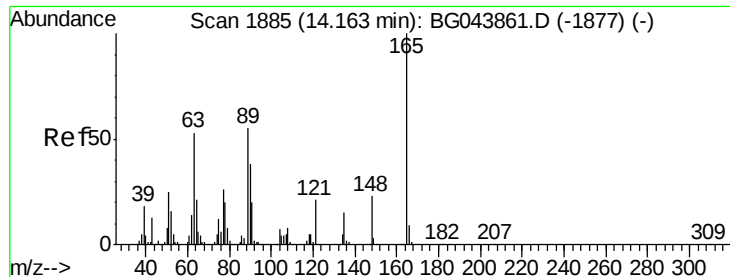


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

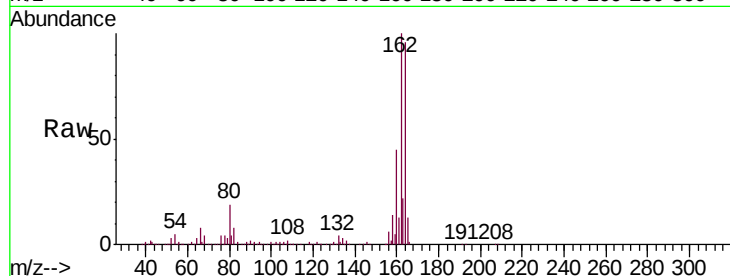




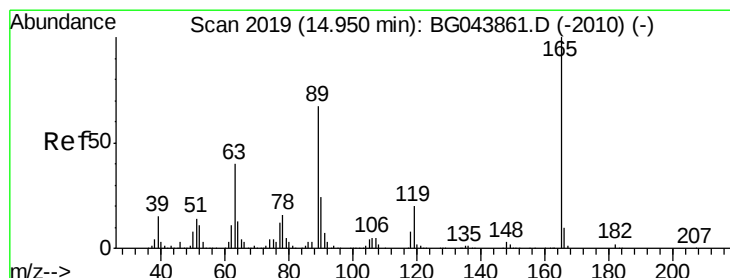
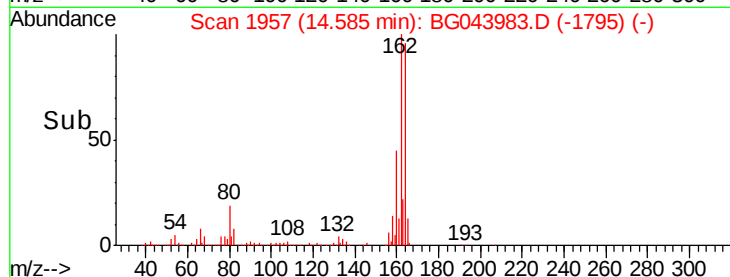
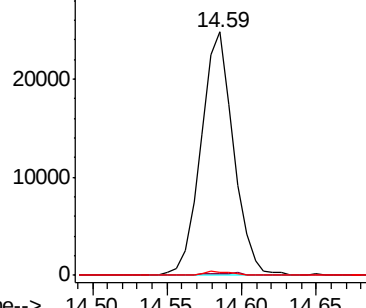
#51
2,6-Dinitrotoluene
Concen: 8.071 ng
RT: 14.59 min Scan# 1957
Delta R.T. 0.42 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Instrument :
BNA_G
ClientSampleId :
SB-03

Tgt Ion:165 Resp: 37300
Ion Ratio Lower Upper
165 100
63 0.6 43.1 64.7#
89 1.2 43.8 65.6#

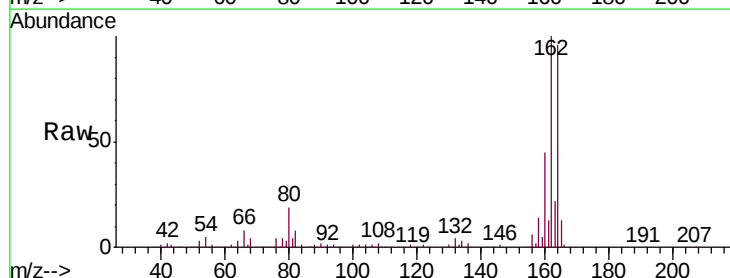


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

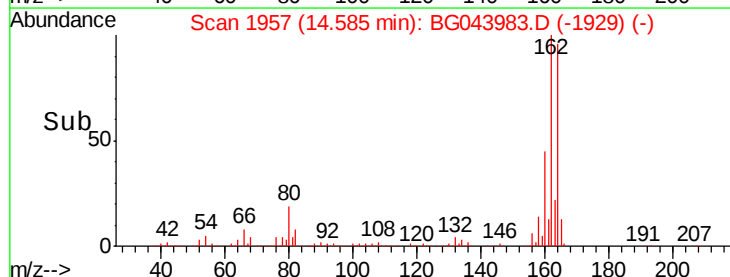
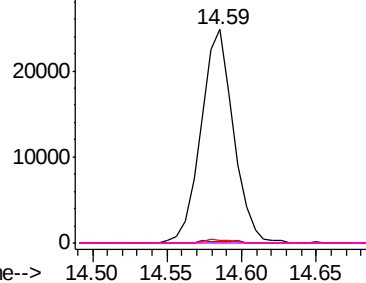


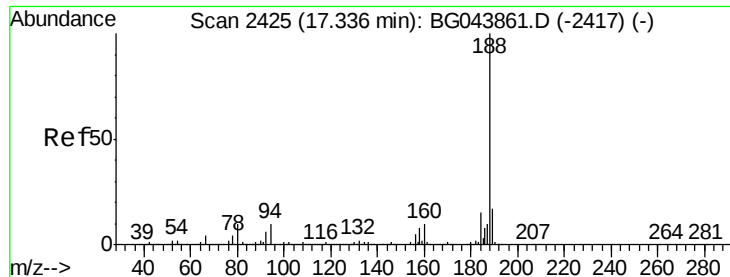
#57
2,4-Dinitrotoluene
Concen: 5.931 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.36 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Tgt Ion:165 Resp: 37300
Ion Ratio Lower Upper
165 100
63 0.6 31.9 47.9#
89 1.2 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# 2424

Delta R.T. -0.01 min

Lab File: BG043983.D

Acq: 9 Jan 2020 2:34

Instrument :

BNA_G

ClientSampleId :

SB-03

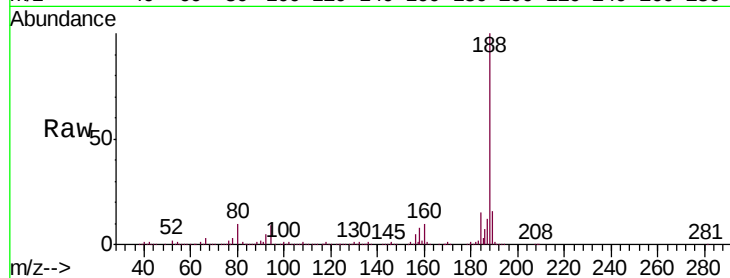
Tgt Ion:188 Resp: 644452

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

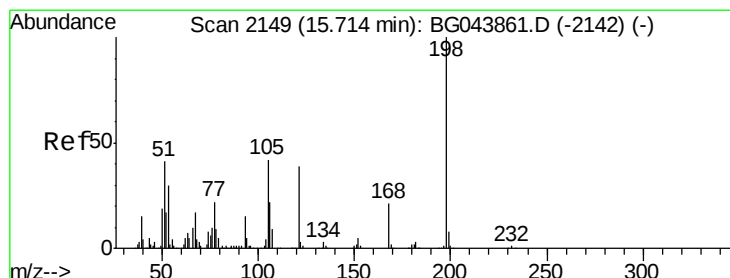
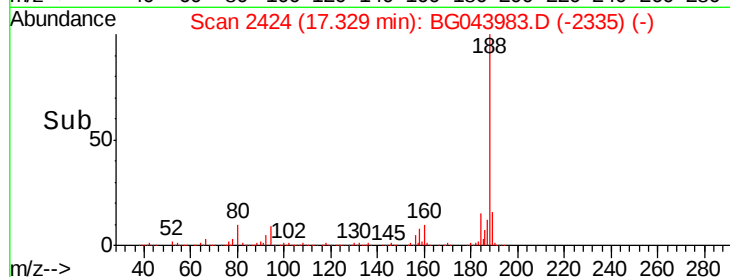
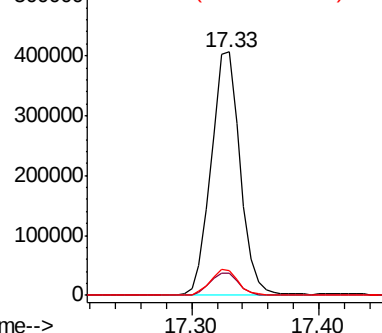
80 10.1 8.2 12.4



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: 4.812 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.36 min

Lab File: BG043983.D

Acq: 9 Jan 2020 2:34

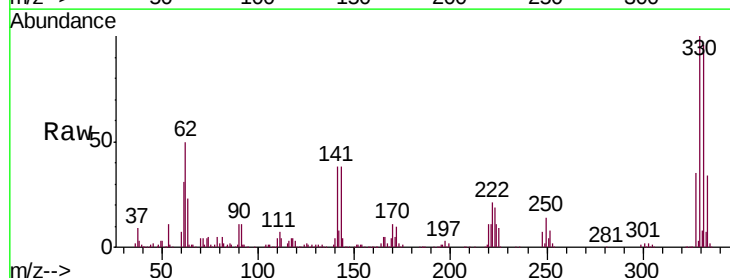
Tgt Ion:198 Resp: 1544

Ion Ratio Lower Upper

198 100

51 137.5 22.5 62.5#

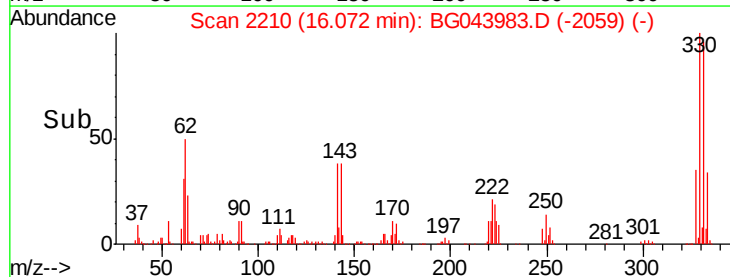
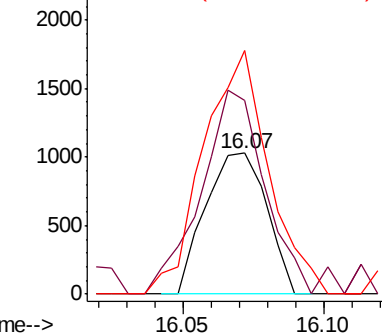
105 172.5 22.3 62.3#

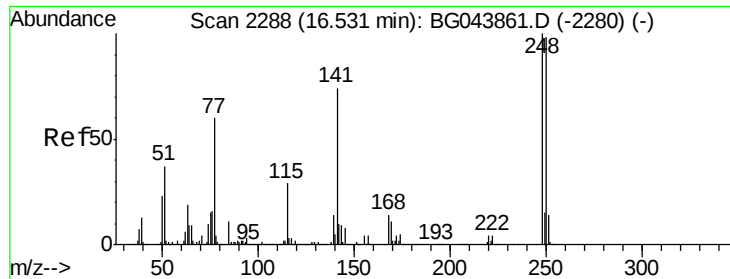


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

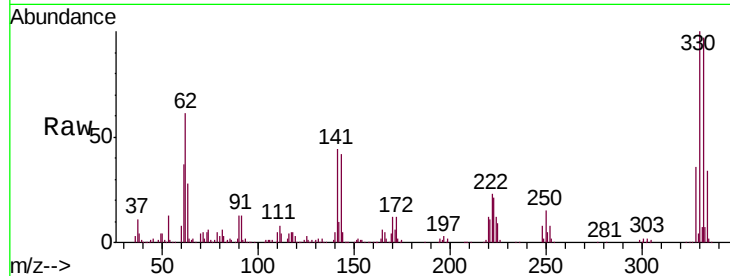




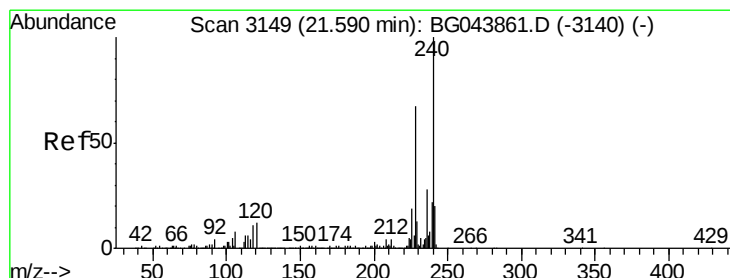
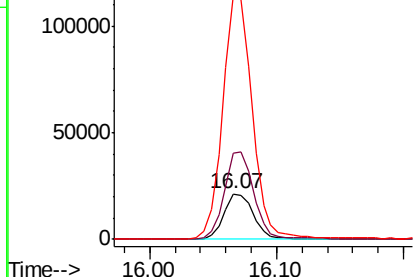
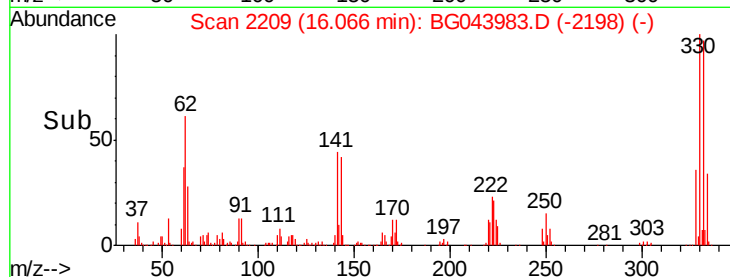
#67
 4-Bromophenyl-phenylether
 Concen: 4.755 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.46 min
 Lab File: BG043983.D
 Acq: 9 Jan 2020 2:34

Instrument :
 BNA_G
 ClientSampleId :
 SB-03

Tgt Ion:248 Resp: 34465
 Ion Ratio Lower Upper
 248 100
 250 188.2 78.2 117.2#
 141 535.3 59.3 88.9#

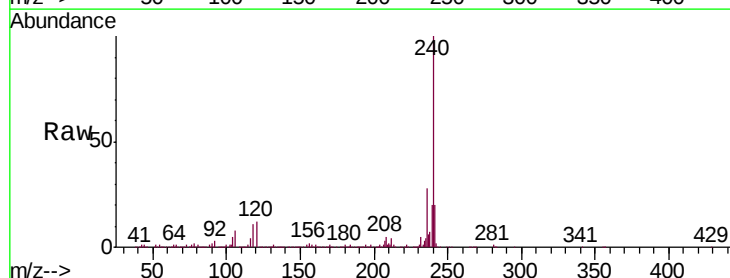


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

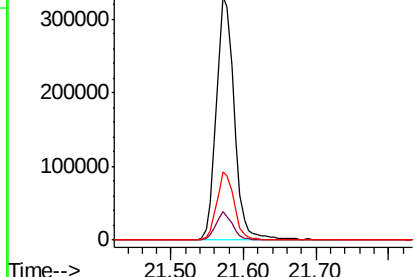
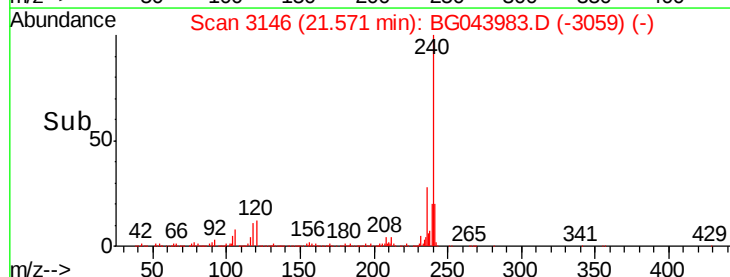


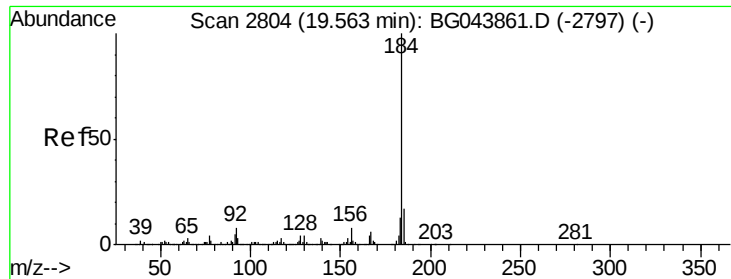
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG043983.D
 Acq: 9 Jan 2020 2:34

Tgt Ion:240 Resp: 574164
 Ion Ratio Lower Upper
 240 100
 120 11.6 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

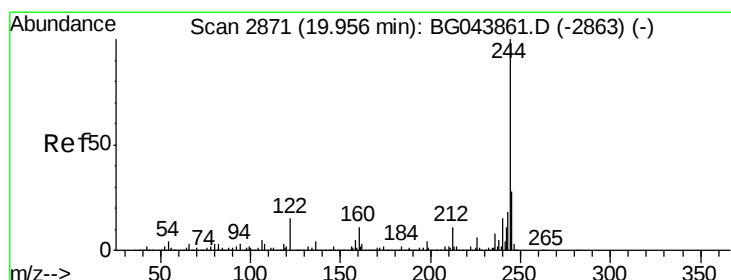
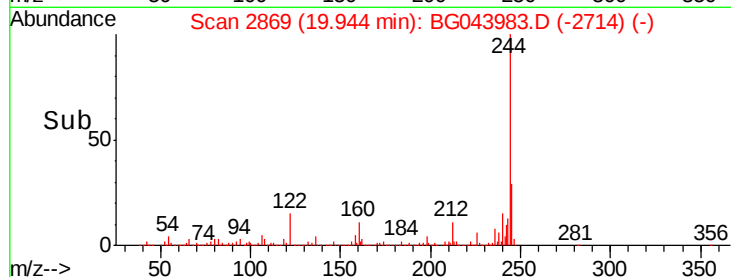
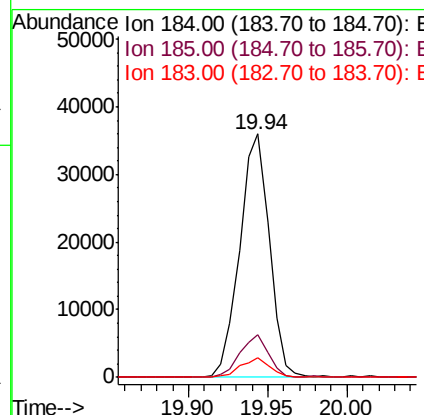
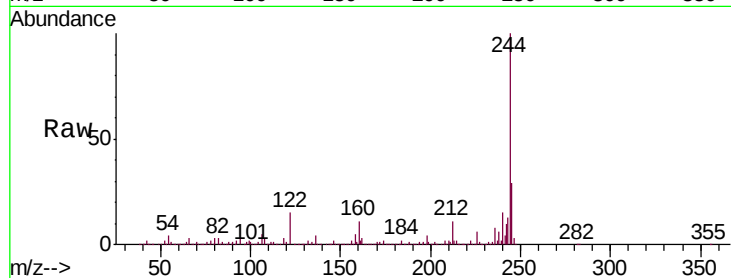




#77
Benzidine
Concen: 3.232 ng
RT: 19.94 min Scan# 2869
Delta R.T. 0.38 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

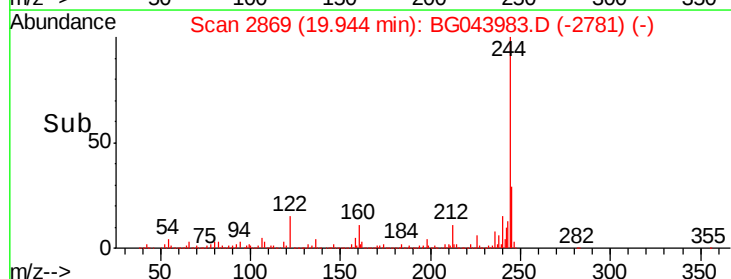
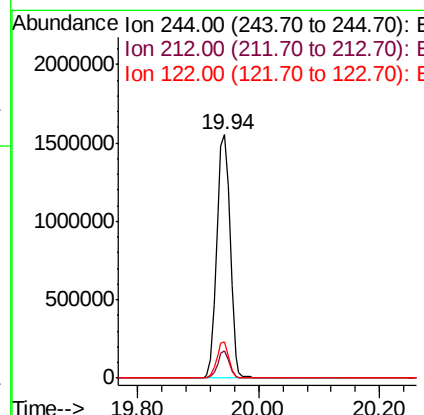
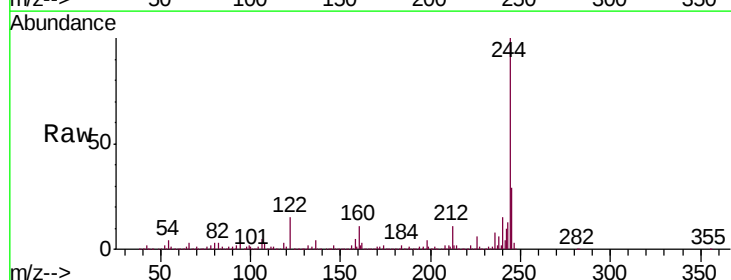
Instrument :
BNA_G
ClientSampleId :
SB-03

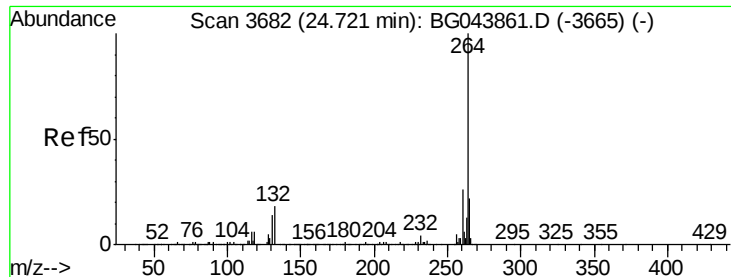
Tgt Ion:184 Resp: 46646
Ion Ratio Lower Upper
184 100
185 17.7 13.4 20.0
183 8.0 10.6 15.8#



#79
Terphenyl-d14
Concen: 107.435 ng
RT: 19.94 min Scan# 2869
Delta R.T. -0.01 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Tgt Ion:244 Resp: 2393819
Ion Ratio Lower Upper
244 100
212 11.1 8.6 13.0
122 15.0 11.9 17.9





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.02 min
Lab File: BG043983.D
Acq: 9 Jan 2020 2:34

Instrument :
BNA_G
ClientSampleId :
SB-03

Tgt Ion: 264 Resp: 624050
Ion Ratio Lower Upper
264 100
260 26.0 20.4 30.6
265 21.2 17.4 26.2

