

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\
 Data File : BG044527.D
 Acq On : 20 Feb 2020 19:15
 Operator : CG/JU
 Sample : L1578-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 21 06:49:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

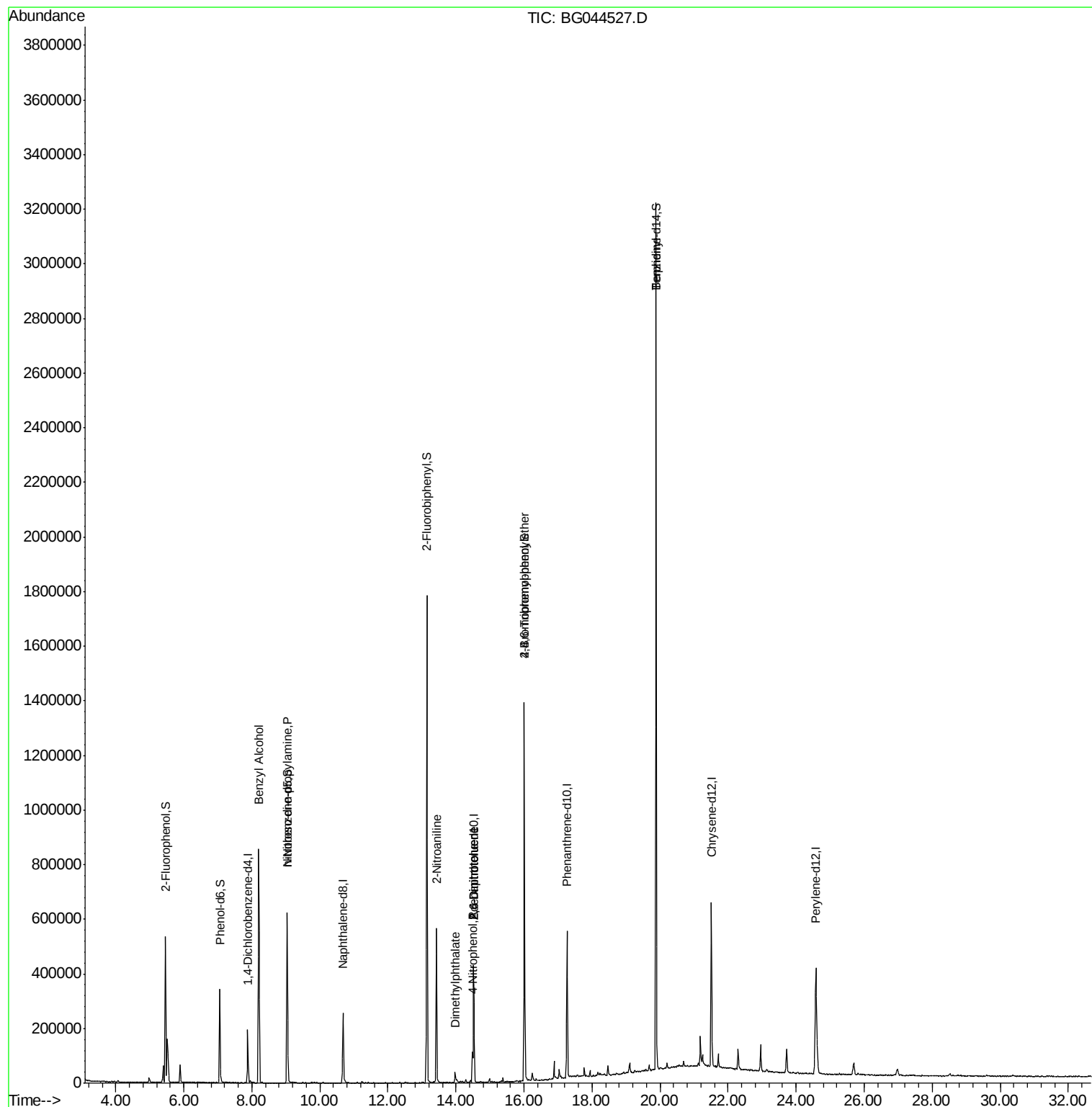
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	58956	20.00	ng	-0.03
21) Naphthalene-d8	10.68	136	243568	20.00	ng	-0.02
39) Acenaphthene-d10	14.52	164	158758	20.00	ng	-0.03
64) Phenanthrene-d10	17.26	188	357100	20.00	ng	-0.03
76) Chrysene-d12	21.51	240	370184	20.00	ng	-0.03
87) Perylene-d12	24.58	264	394897	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	276549	82.78	ng	-0.02
7) Phenol-d6	7.06	99	238412	53.15	ng	-0.02
23) Nitrobenzene-d5	9.04	82	416886	96.63	ng	-0.03
42) 2,4,6-Tribromophenol	16.01	330	285560	153.22	ng	-0.02
45) 2-Fluorobiphenyl	13.14	172	972598	102.59	ng	-0.02
79) Terphenyl-d14	19.88	244	1572123	87.35	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.20	79	6743	2.123	ng	# 42
19) n-Nitroso-di-n-propylamine	9.04	70	53398	17.861	ng	# 78
48) 2-Nitroaniline	13.43	65	9842	3.660	ng	# 10
50) Dimethylphthalate	13.97	163	31610	2.770	ng	# 99
51) 2,6-Dinitrotoluene	14.52	165	21007	8.256	ng	# 28
56) 4-Nitrophenol	14.48	139	9098	4.412	ng	# 18
57) 2,4-Dinitrotoluene	14.52	165	21007	5.890	ng	# 26
67) 4-Bromophenyl-phenylether	16.01	248	19137	4.919	ng	# 1
77) Benzidine	19.88	184	24408	2.377	ng	# 93

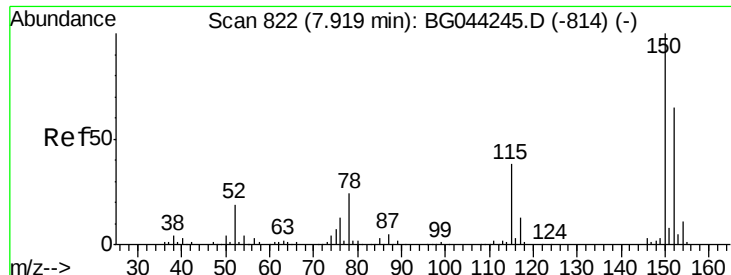
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\
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Response via : Initial Calibration



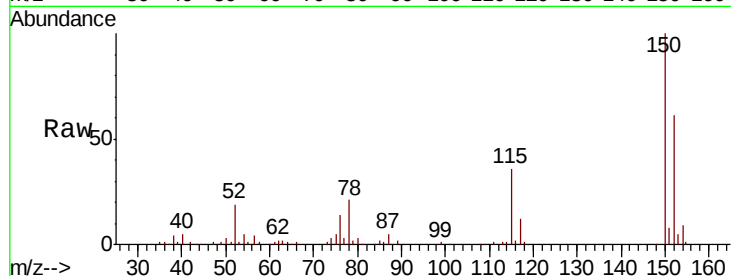


#1

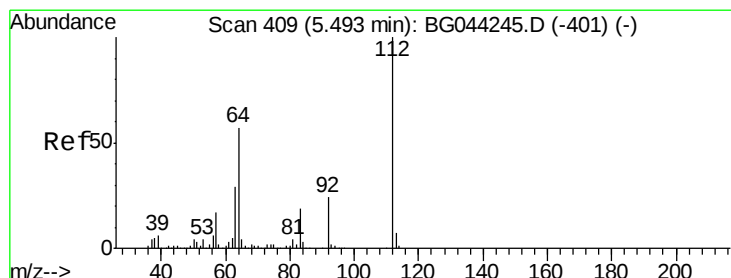
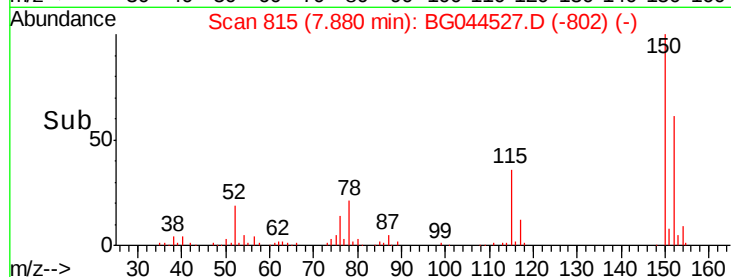
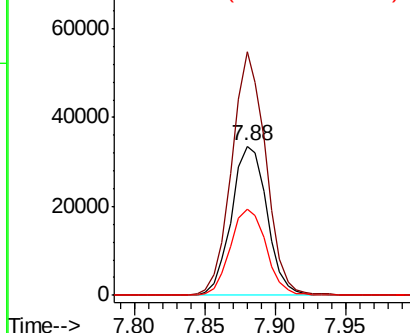
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 815
 Delta R.T. -0.03 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	122.6	183.8
115	58.1	46.0	69.0



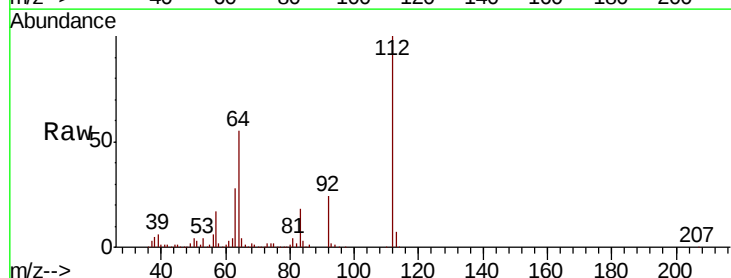
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



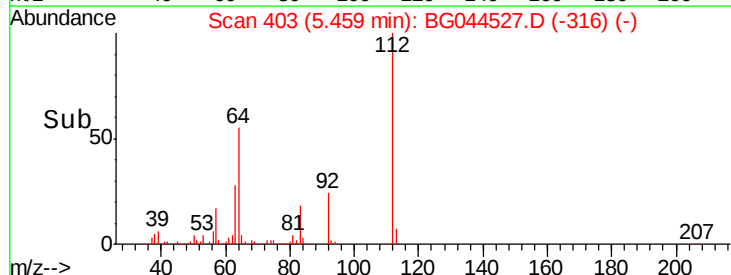
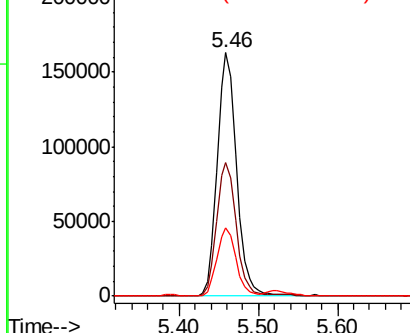
#5

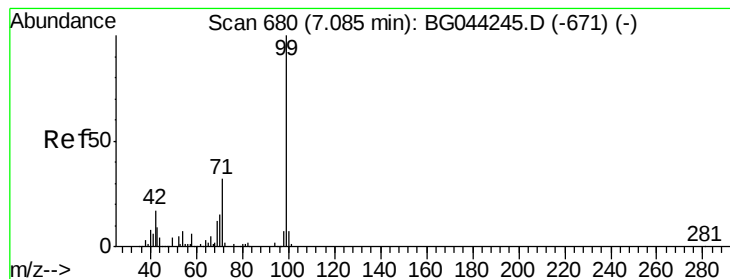
2-Fluorophenol
 Concen: 82.785 ng
 RT: 5.46 min Scan# 403
 Delta R.T. -0.02 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.4	68.2
63	28.1	22.9	34.3



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: 53.147 ng

RT: 7.06 min Scan# 675

Delta R.T. -0.02 min

Lab File: BG044527.D

Acq: 20 Feb 2020 19:15

Instrument :

BNA_G

ClientSampleId :

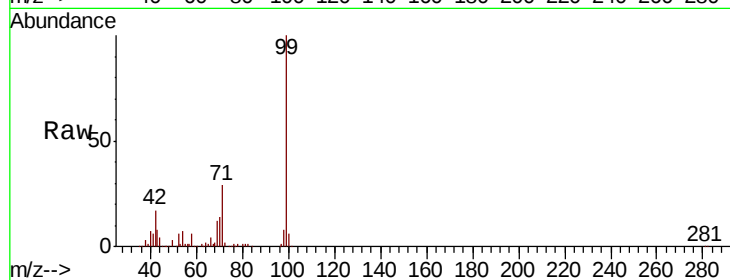
Tot Ion: 99 Resp: 238412

Ion Ratio Lower Upper

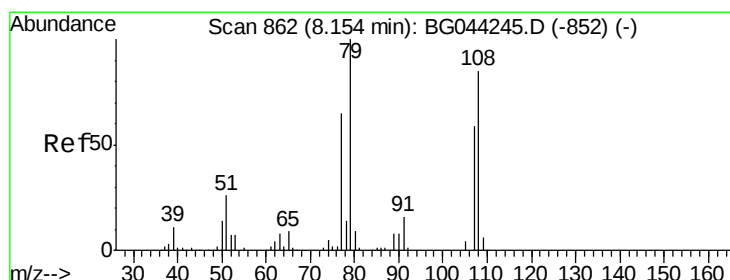
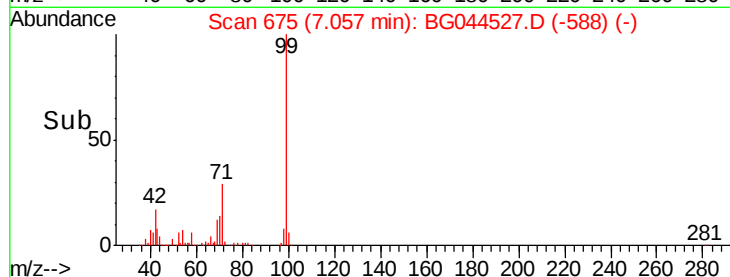
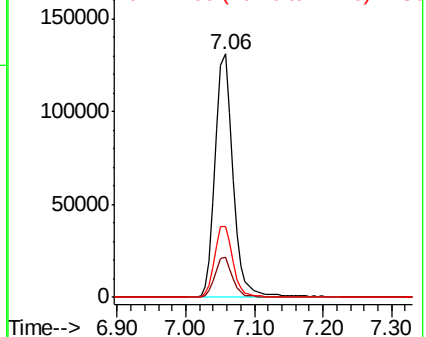
99 100

42 16.7 13.8 20.6

71 28.9 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



#15

Benzyl Alcohol

Concen: 2.123 ng

RT: 8.20 min Scan# 870

Delta R.T. 0.06 min

Lab File: BG044527.D

Acq: 20 Feb 2020 19:15

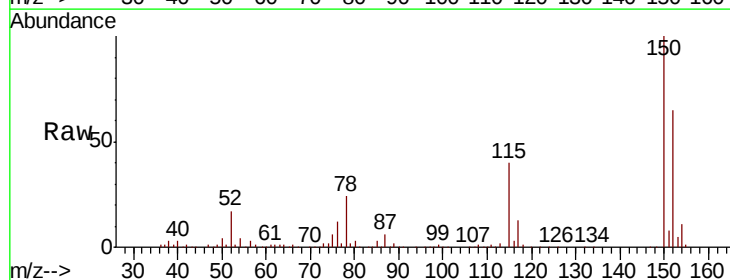
Tgt Ion: 79 Resp: 6743

Ion Ratio Lower Upper

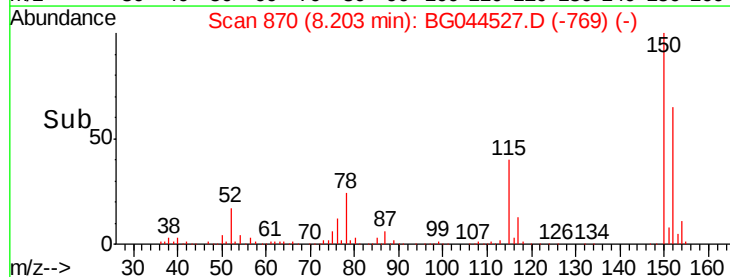
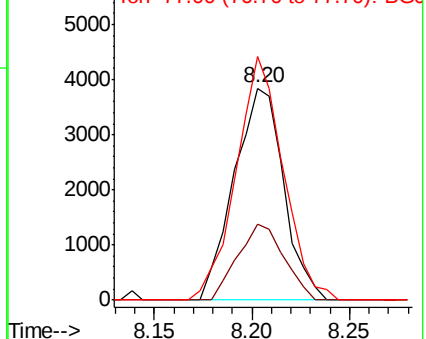
79 100

108 36.1 68.3 102.5#

77 115.0 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

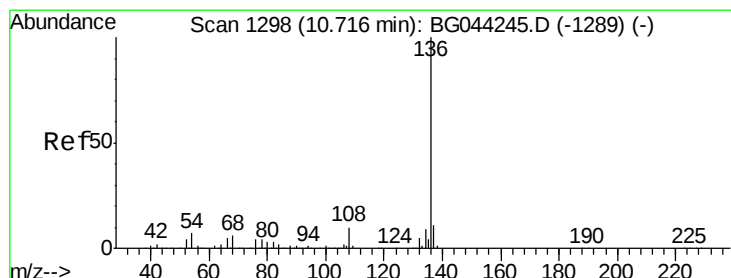
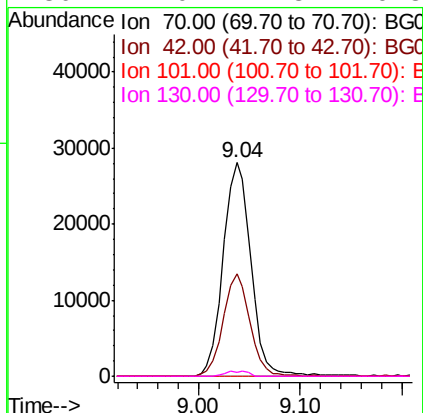
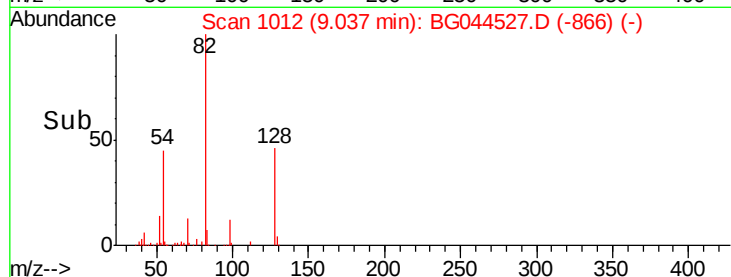
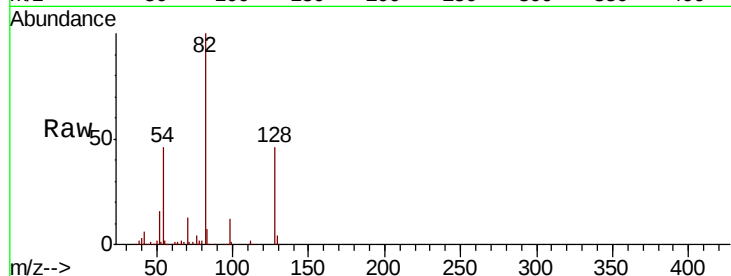




#19
n-Nitroso-di-n-propylamine
Concen: 17.861 ng
RT: 9.04 min Scan# 1012
Delta R.T. 0.33 min
Lab File: BG044527.D
Acq: 20 Feb 2020 19:15

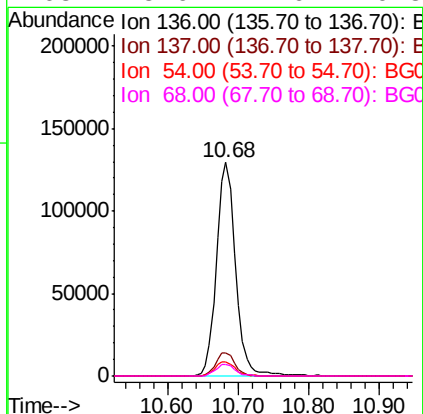
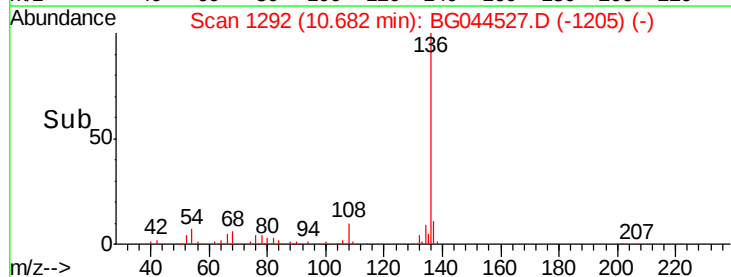
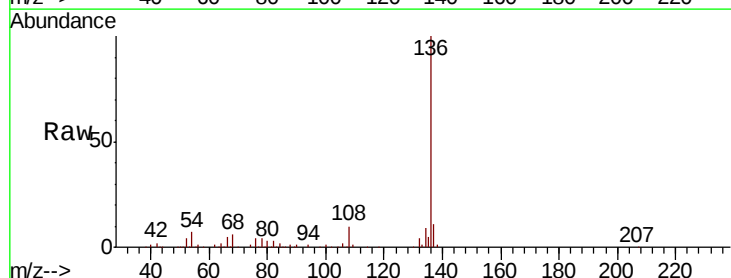
Instrument :
BNA_G
ClientSampleId :

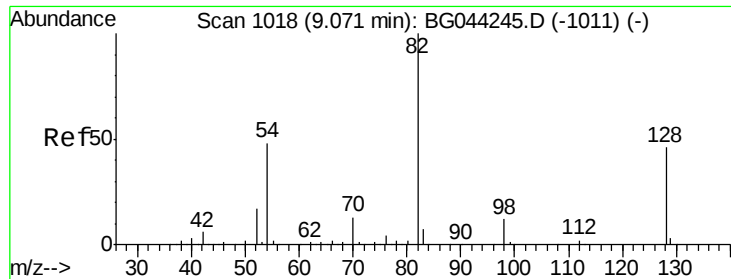
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.9	46.2	69.2
101	0.0	8.4	12.6#
130	2.0	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BG044527.D
Acq: 20 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.9	5.8	8.8
68	5.6	4.6	6.8

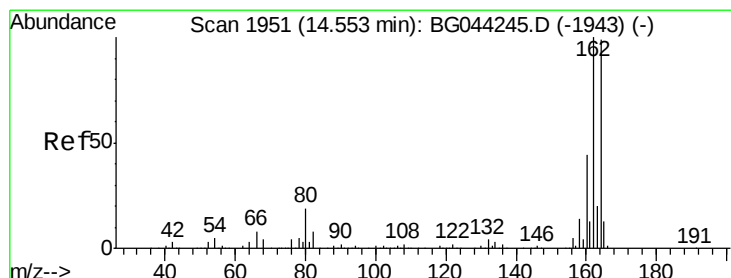
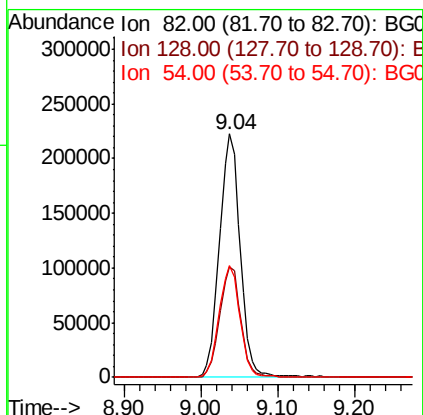
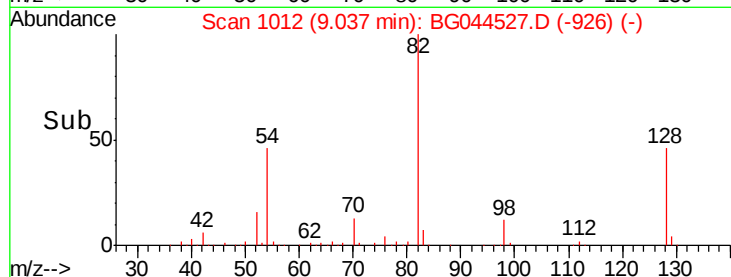
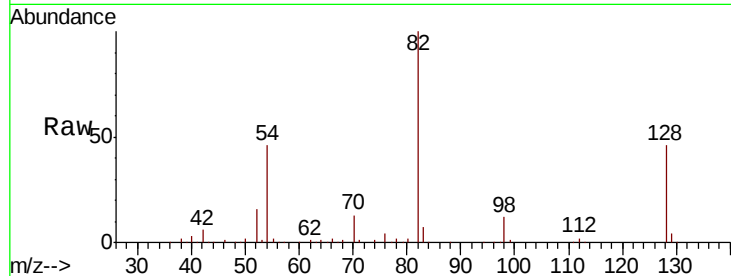




#23
Nitrobenzene-d5
Concen: 96.629 ng
RT: 9.04 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BG044527.D
Acq: 20 Feb 2020 19:15

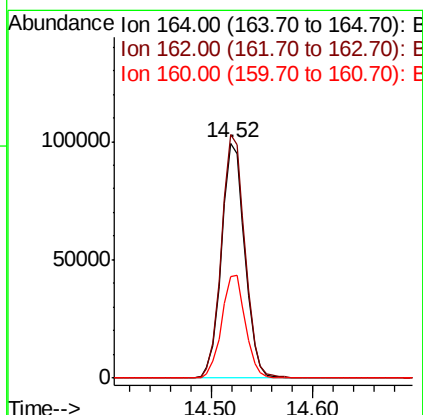
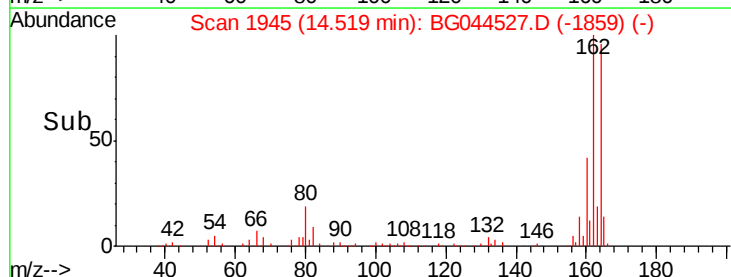
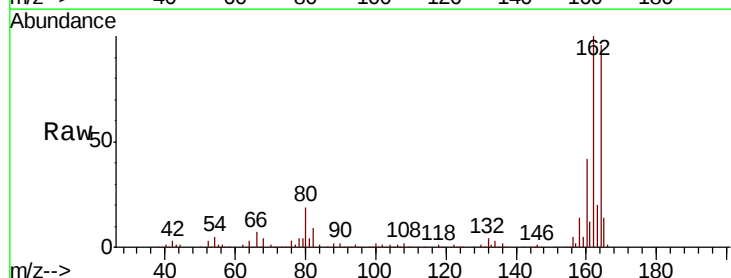
Instrument :
BNA_G
ClientSampled :

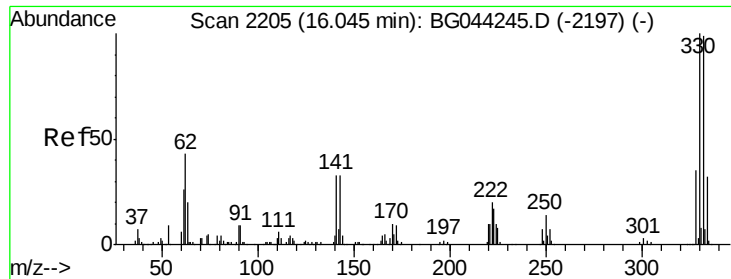
Tot Ion	82	Resp	416886
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.5	54.7
54	45.8	38.6	58.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.03 min
Lab File: BG044527.D
Acq: 20 Feb 2020 19:15

Tgt Ion	164	Resp	158758
Ion Ratio	Lower	Upper	
164	100		
162	103.8	80.7	121.1
160	43.1	35.3	52.9

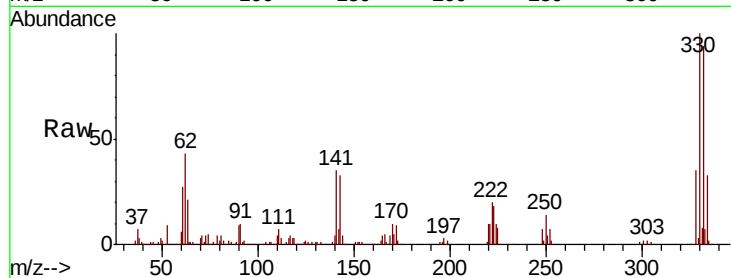




#42
 2,4,6-Tribromophenol
 Concen: 153.220 ng
 RT: 16.01 min Scan# 2199
 Delta R.T. -0.02 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.2	115.8
141	33.7	28.3	42.5

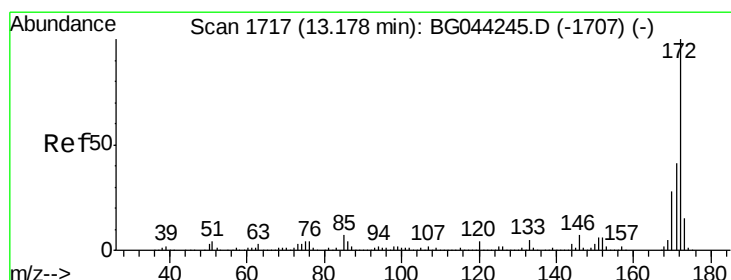
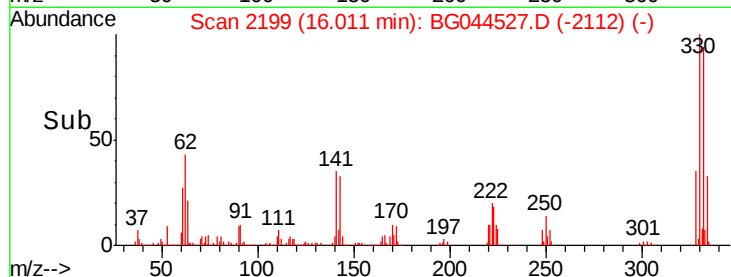
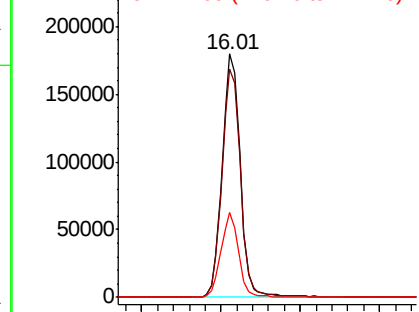


Abundance

Ion 329.80 (329.50 to 330.50): E

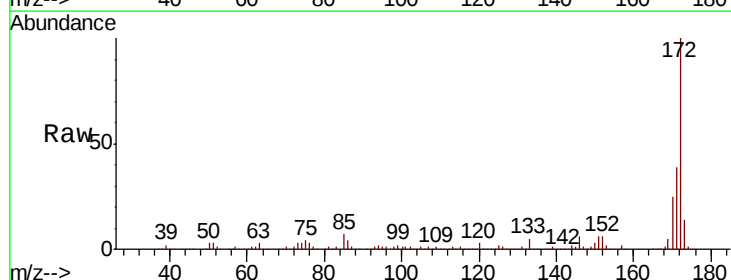
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.588 ng
 RT: 13.14 min Scan# 1711
 Delta R.T. -0.02 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	32.9	49.3
170	25.1	22.0	33.0

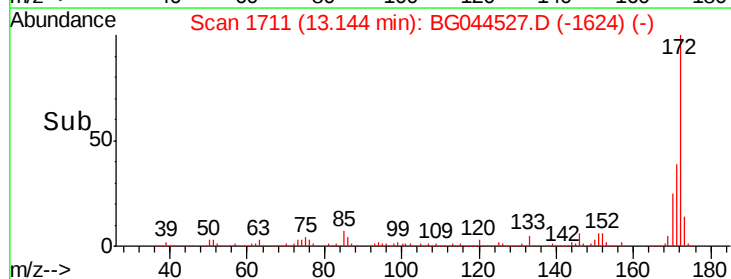
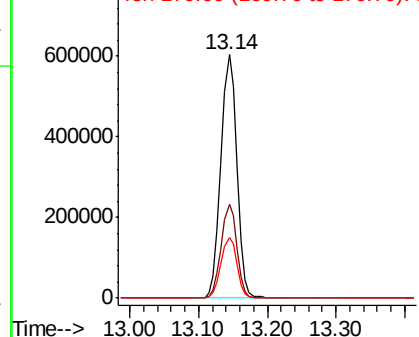


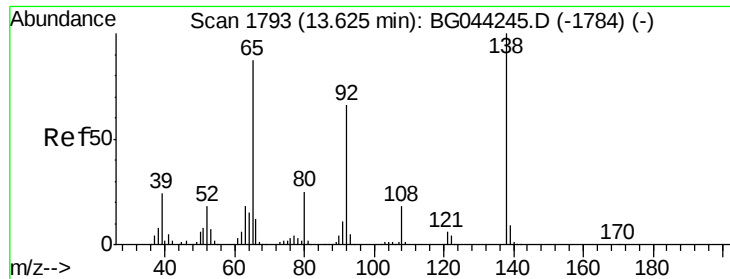
Abundance

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

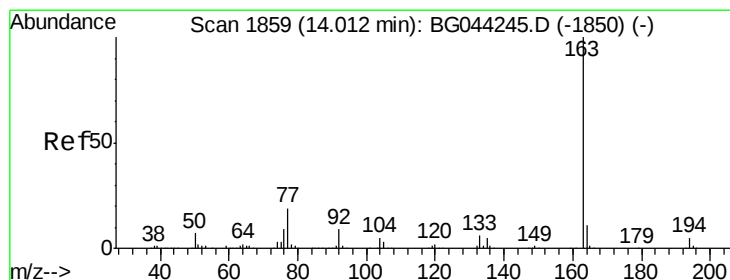
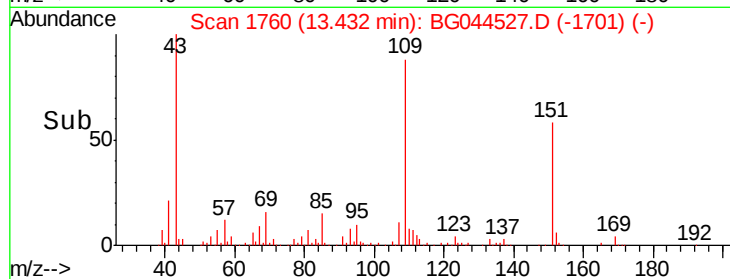
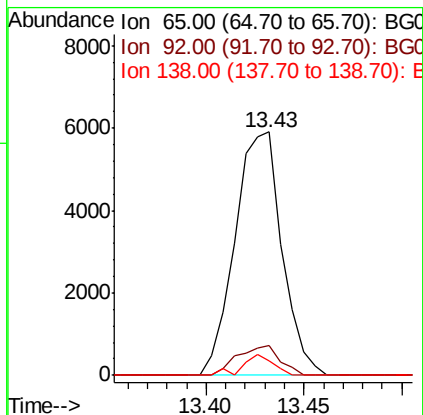
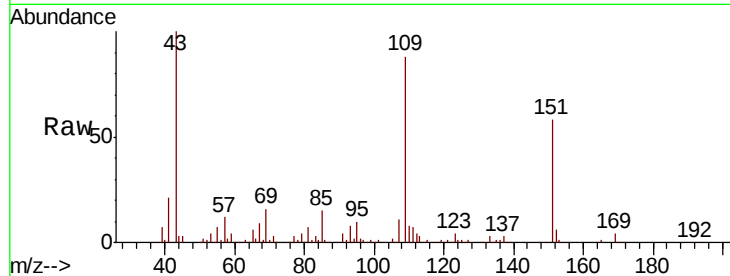




#48
2-Nitroaniline
Concen: 3.660 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.18 min
Lab File: BG044527.D
Acq: 20 Feb 2020 19:15

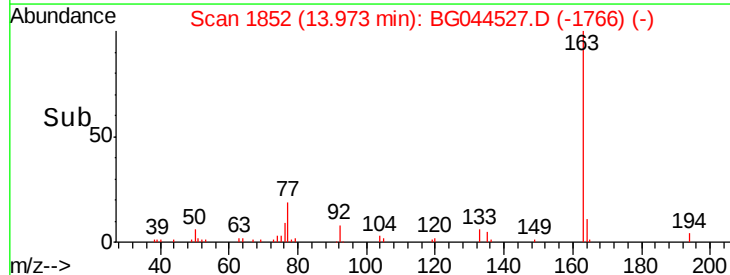
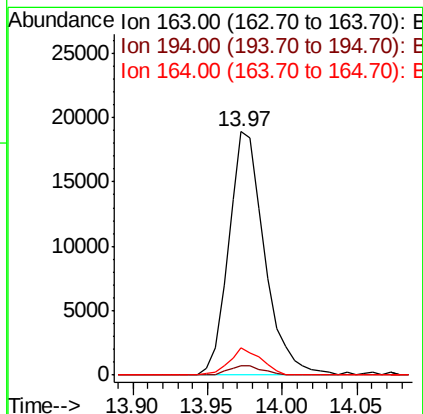
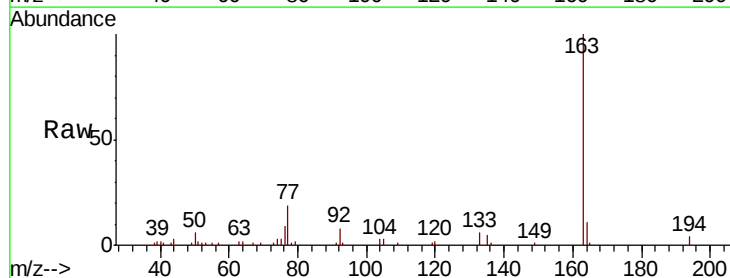
Instrument :
BNA_G
ClientSampleId :

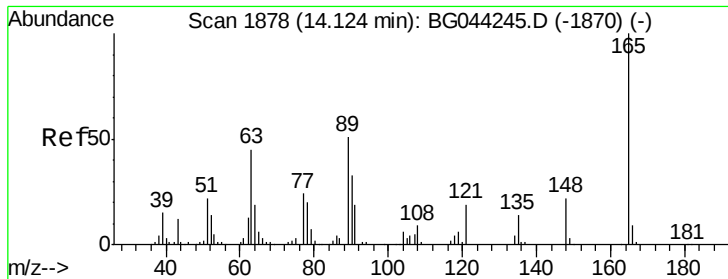
Tot Ion: 65 Resp: 9842
Ion Ratio Lower Upper
65 100
92 12.5 60.3 90.5#
138 6.1 91.9 137.9#



#50
Dimethylphthalate
Concen: 2.770 ng
RT: 13.97 min Scan# 1852
Delta R.T. -0.03 min
Lab File: BG044527.D
Acq: 20 Feb 2020 19:15

Tgt Ion: 163 Resp: 31610
Ion Ratio Lower Upper
163 100
194 3.8 3.6 5.4
164 11.1 8.7 13.1





#51

2,6-Dinitrotoluene

Concen: 8.256 ng

RT: 14.52 min Scan# 1945

Delta R.T. 0.40 min

Lab File: BG044527.D

Acq: 20 Feb 2020 19:15

Instrument :

BNA_G

ClientSampleId :

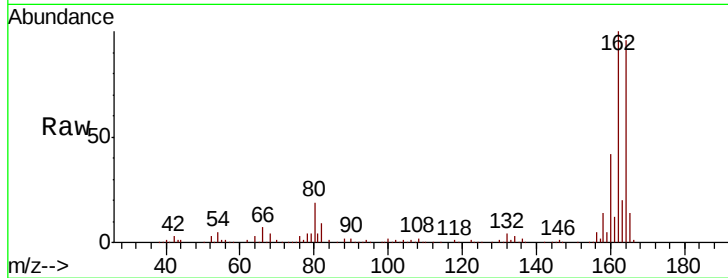
Tot Ion:165 Resp: 21007

Ion Ratio Lower Upper

165 100

63 0.0 38.7 58.1#

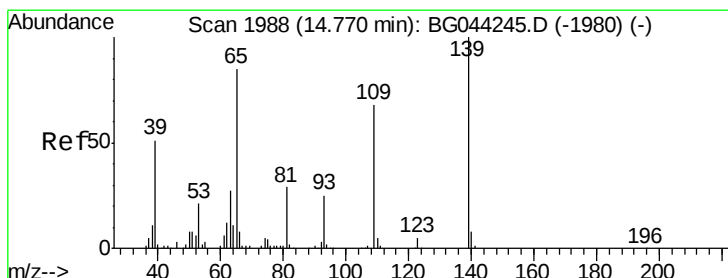
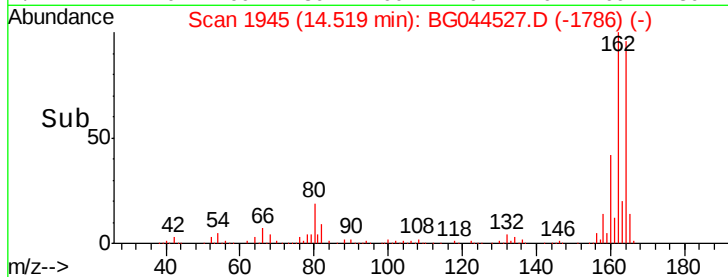
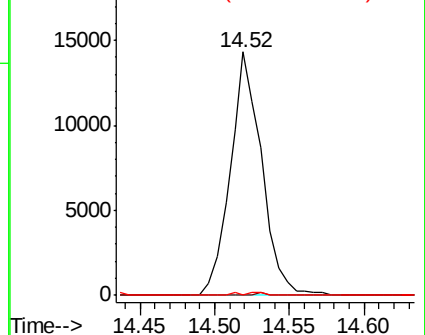
89 0.0 40.4 60.6#



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



#56

4-Nitrophenol

Concen: 4.412 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.28 min

Lab File: BG044527.D

Acq: 20 Feb 2020 19:15

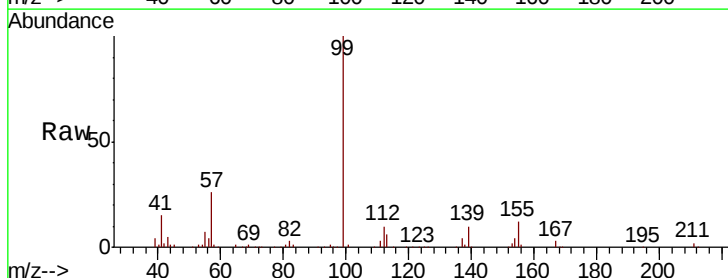
Tgt Ion:139 Resp: 9098

Ion Ratio Lower Upper

139 100

109 2.7 47.5 87.5#

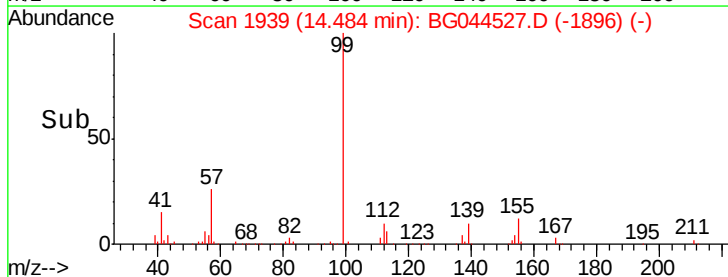
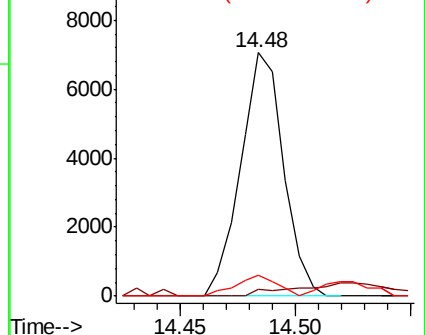
65 8.7 64.9 104.9#

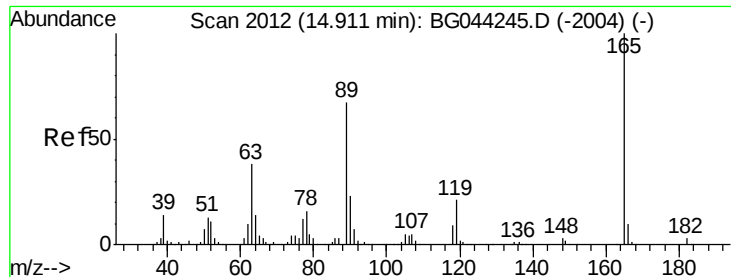


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

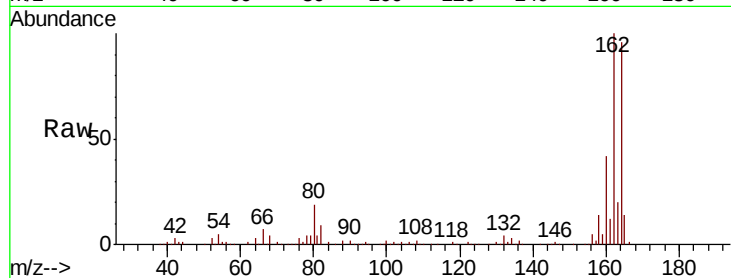




#57
 2,4-Dinitrotoluene
 Concen: 5.890 ng
 RT: 14.52 min Scan# 1945
 Delta R.T. -0.38 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	0.0	53.4	80.2#
182	0.0	2.1	3.1#

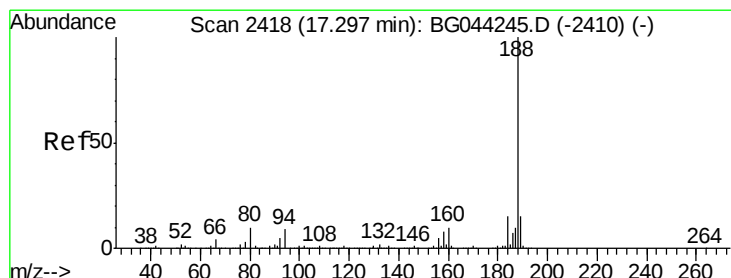
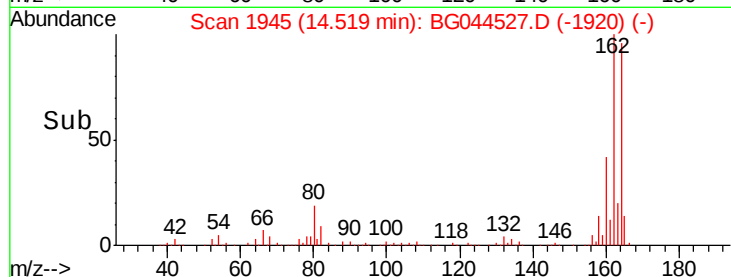
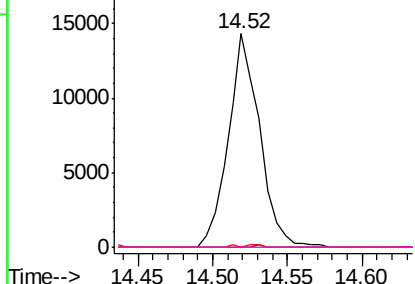


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

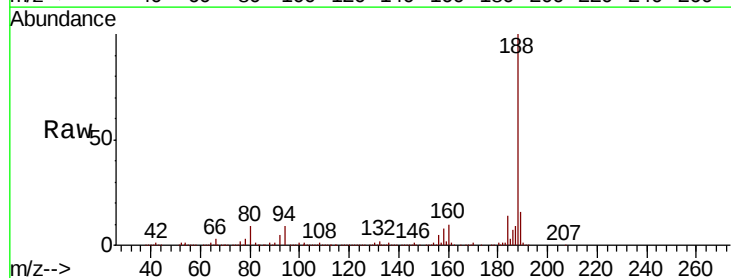
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2412
 Delta R.T. -0.03 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

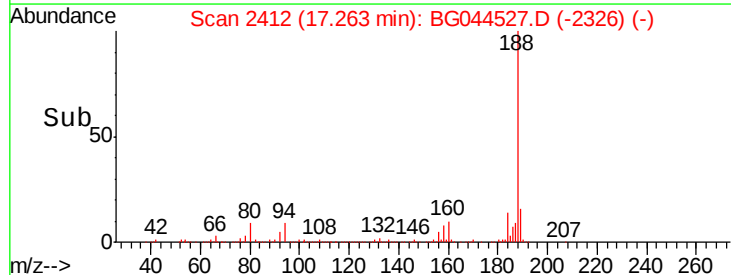
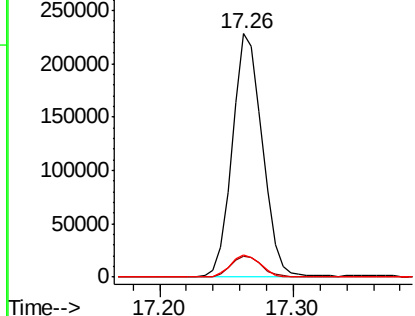
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.4	11.2
80	9.2	7.7	11.5

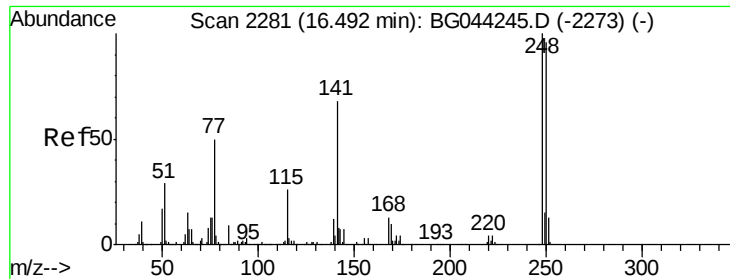


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

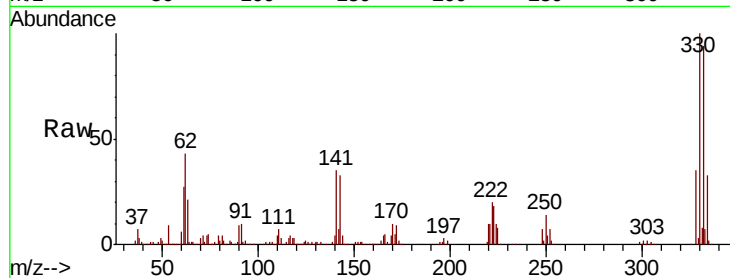




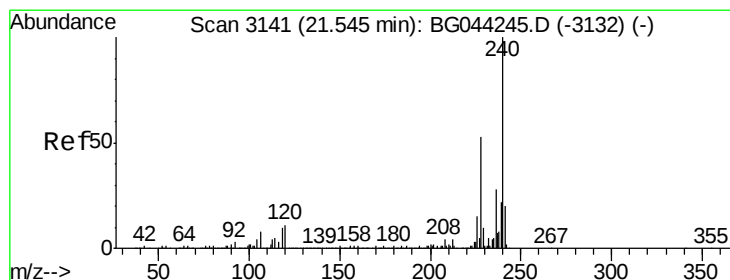
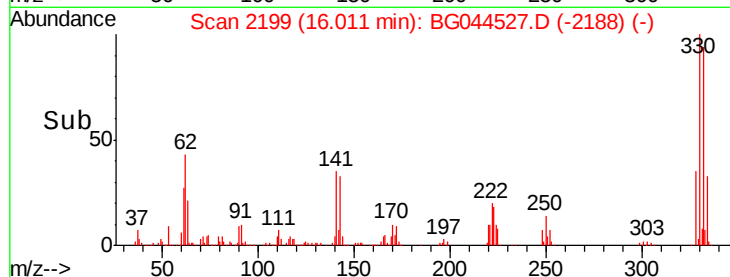
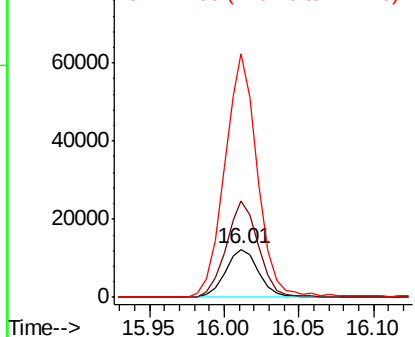
#67
 4-Bromophenyl-phenylether
 Concen: 4.919 ng
 RT: 16.01 min Scan# 2199
 Delta R.T. -0.47 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19137
 Ion Ratio Lower Upper
 248 100
 250 201.6 76.6 114.8#
 141 508.8 54.7 82.1#

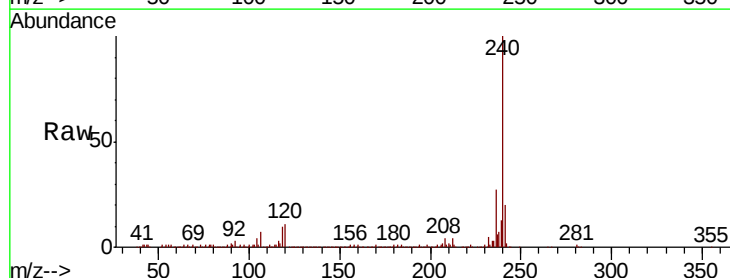


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

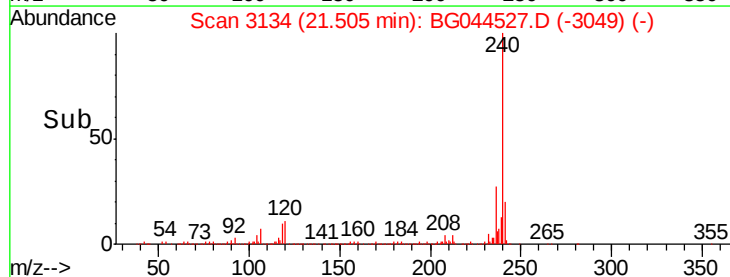
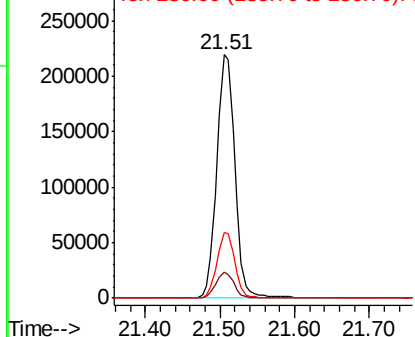


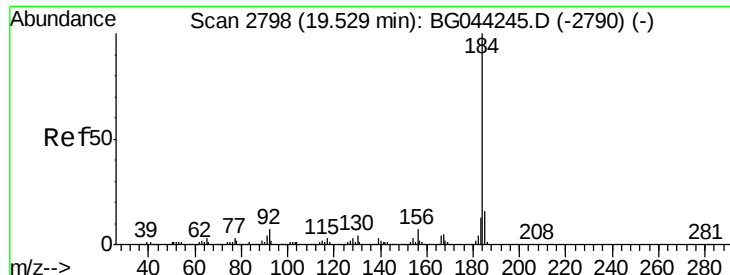
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3134
 Delta R.T. -0.03 min
 Lab File: BG044527.D
 Acq: 20 Feb 2020 19:15

Tgt Ion:240 Resp: 370184
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.4 12.6
 236 27.1 22.1 33.1



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: 2.377 ng

RT: 19.88 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG044527.D

Acq: 20 Feb 2020 19:15

Instrument :

BNA_G

ClientSampled :

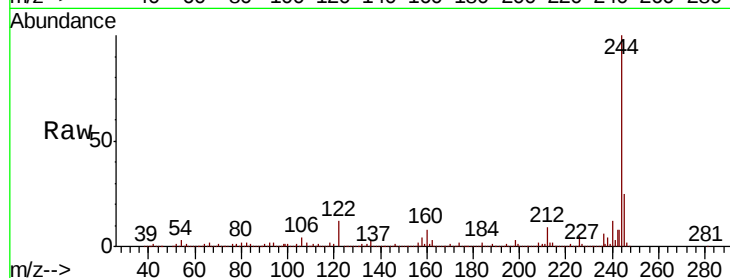
Tot Ion:184 Resp: 24408

Ion Ratio Lower Upper

184 100

185 17.5 12.9 19.3

183 8.5 10.8 16.2#

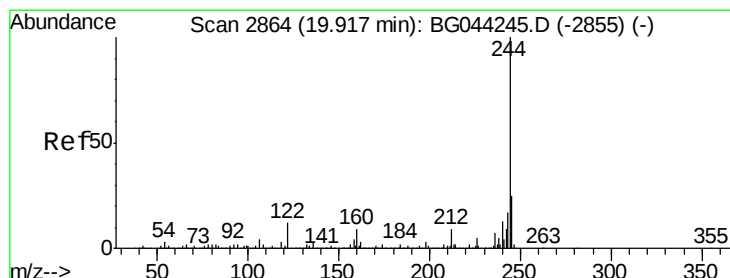
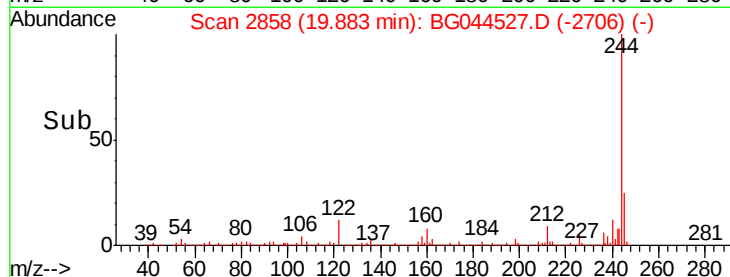
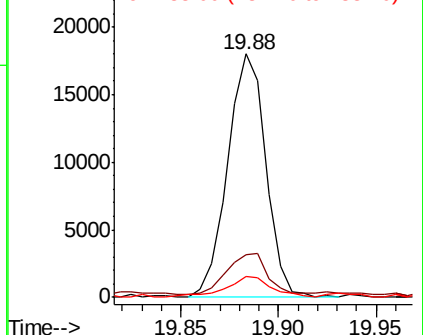


Abundance

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: 87.353 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.02 min

Lab File: BG044527.D

Acq: 20 Feb 2020 19:15

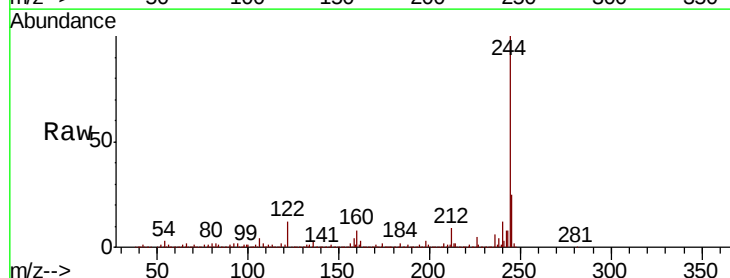
Tgt Ion:244 Resp: 1572123

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.2

122 11.7 9.8 14.6

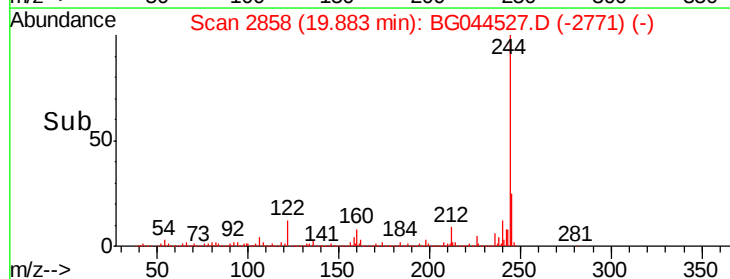
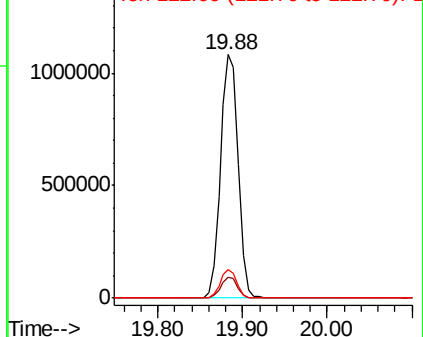


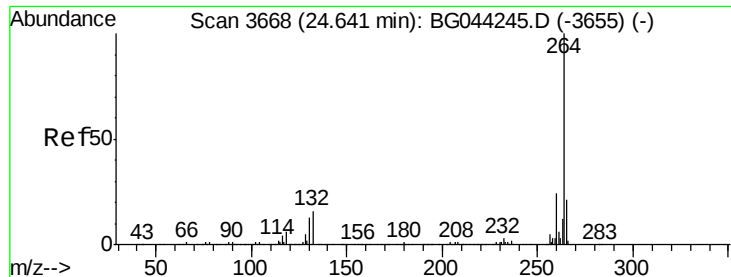
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 24.58 min Scan# 3658
Delta R.T. -0.04 min
Lab File: BG044527.D
Acq: 20 Feb 2020 19:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.8	16.7	25.1

