

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\
 Data File : BG044526.D
 Acq On : 20 Feb 2020 18:36
 Operator : CG/JU
 Sample : L1577-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 21 06:49:25 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

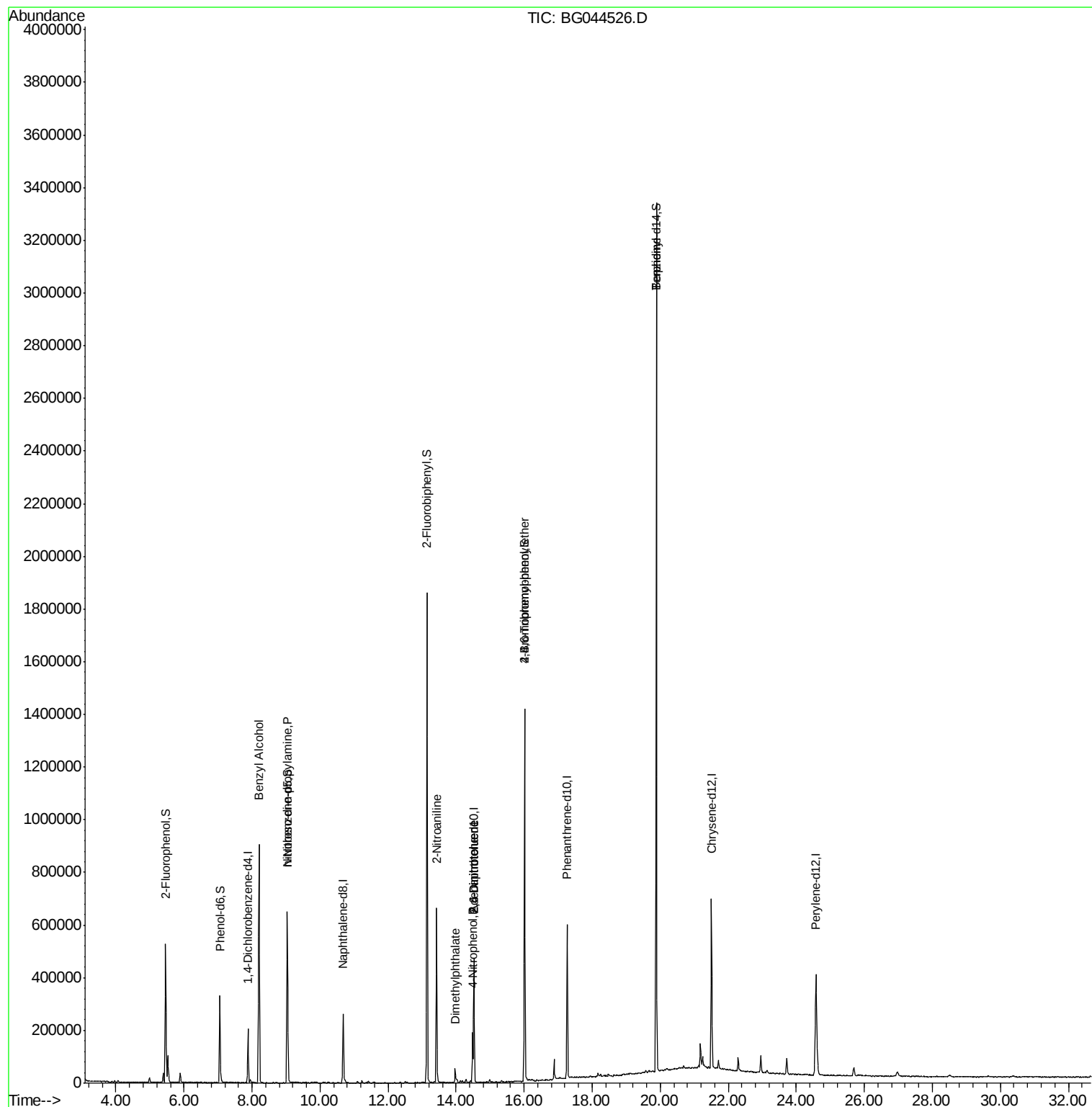
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	61428	20.00	ng	-0.02
21) Naphthalene-d8	10.68	136	253145	20.00	ng	-0.02
39) Acenaphthene-d10	14.52	164	164434	20.00	ng	-0.02
64) Phenanthrene-d10	17.26	188	367921	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	373463	20.00	ng	-0.03
87) Perylene-d12	24.58	264	399397	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	271237	77.93	ng	-0.02
7) Phenol-d6	7.05	99	226177	48.39	ng	-0.02
23) Nitrobenzene-d5	9.04	82	434610	96.93	ng	-0.02
42) 2,4,6-Tribromophenol	16.01	330	292564	151.56	ng	-0.02
45) 2-Fluorobiphenyl	13.15	172	1015177	103.38	ng	-0.02
79) Terphenyl-d14	19.89	244	1621179	89.29	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.20	79	6890	2.082	ng	# 40
19) n-Nitroso-di-n-propylamine	9.04	70	55807	17.916	ng	# 76
48) 2-Nitroaniline	13.43	65	11070	3.974	ng	# 9
50) Dimethylphthalate	13.97	163	40970	3.466	ng	# 98
51) 2,6-Dinitrotoluene	14.52	165	21798	8.271	ng	# 29
56) 4-Nitrophenol	14.49	139	11094	5.194	ng	# 17
57) 2,4-Dinitrotoluene	14.52	165	21798	5.901	ng	# 27
67) 4-Bromophenyl-phenylether	16.01	248	19925	4.971	ng	# 1
77) Benzidine	19.89	184	26679	2.575	ng	# 90

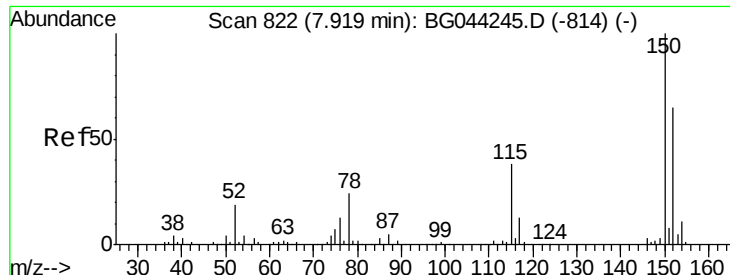
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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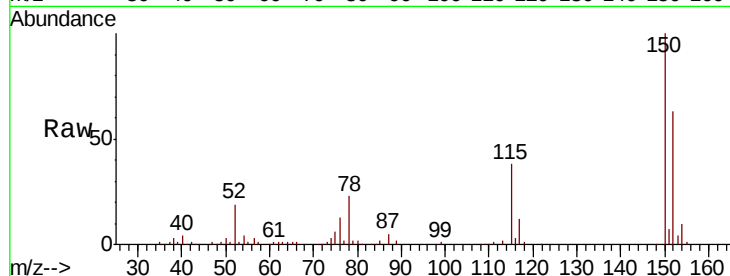


#1

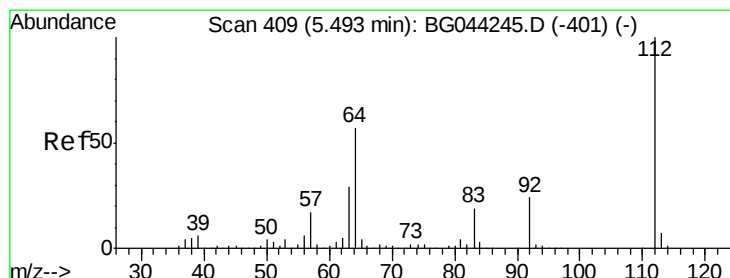
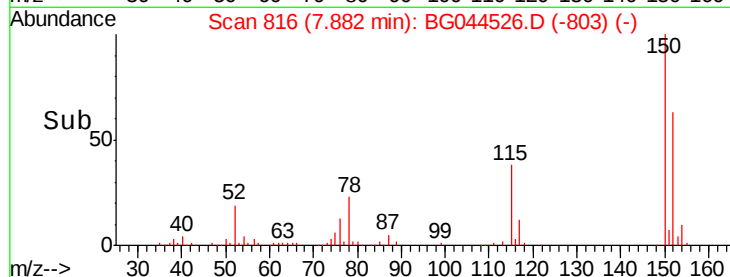
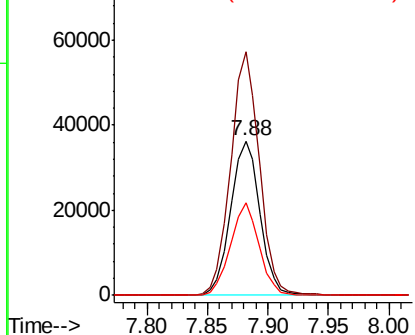
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BG044526.D
 Acq: 20 Feb 2020 18:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 61428
 Ion Ratio Lower Upper
 152 100
 150 157.9 122.6 183.8
 115 59.7 46.0 69.0



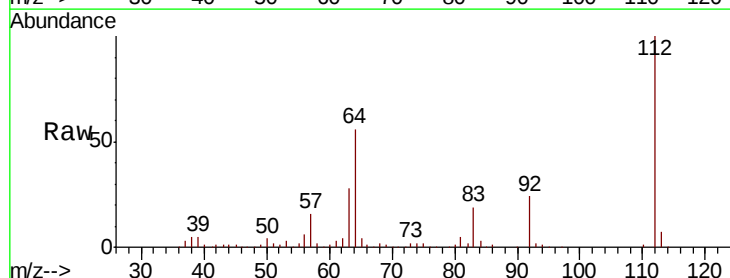
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



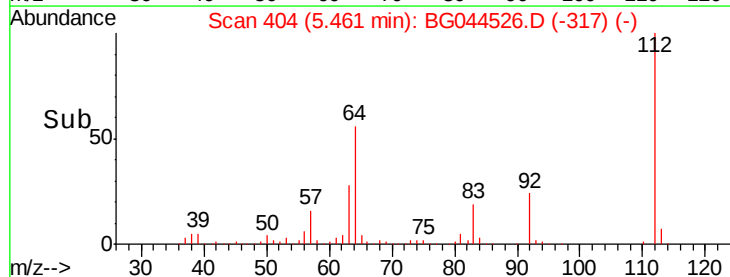
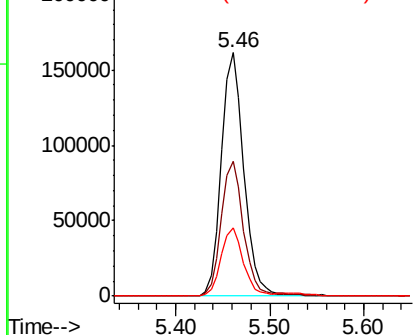
#5

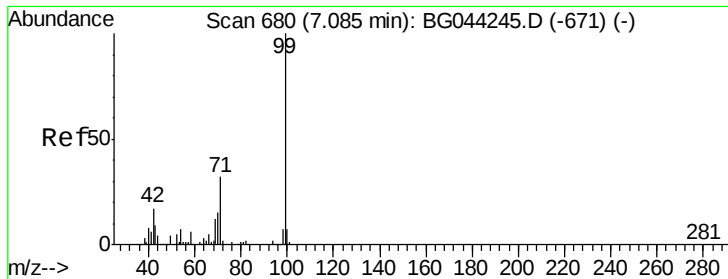
2-Fluorophenol
 Concen: 77.927 ng
 RT: 5.46 min Scan# 404
 Delta R.T. -0.02 min
 Lab File: BG044526.D
 Acq: 20 Feb 2020 18:36

Tgt Ion:112 Resp: 271237
 Ion Ratio Lower Upper
 112 100
 64 55.5 45.4 68.2
 63 28.2 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: 48.391 ng

RT: 7.05 min Scan# 675

Delta R.T. -0.02 min

Lab File: BG044526.D

Acq: 20 Feb 2020 18:36

Instrument :

BNA_G

ClientSampleId :

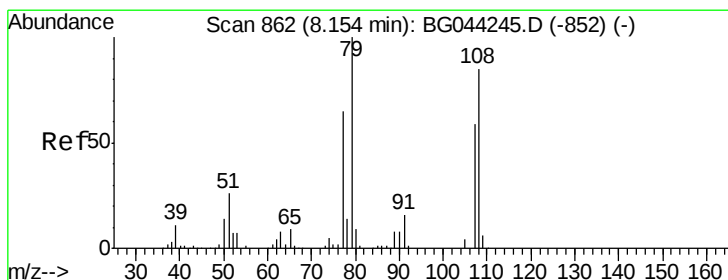
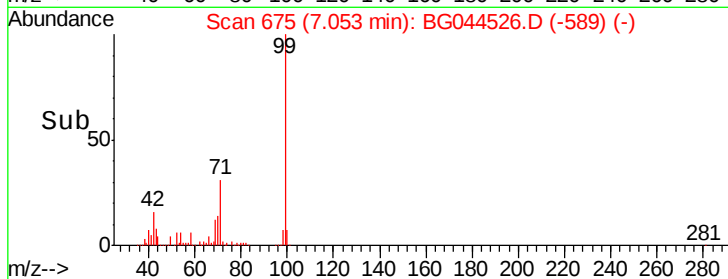
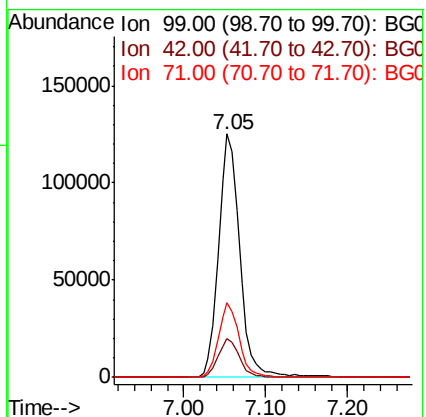
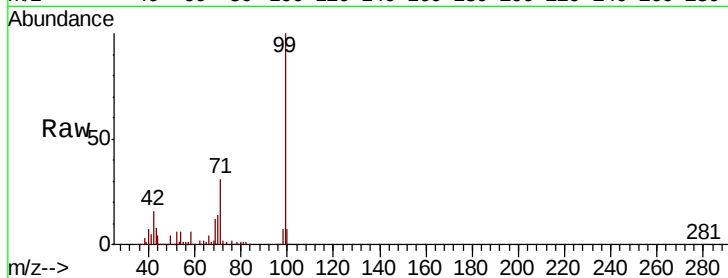
Tot Ion: 99 Resp: 226177

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.6

71 30.6 25.5 38.3



#15

Benzyl Alcohol

Concen: 2.082 ng

RT: 8.20 min Scan# 871

Delta R.T. 0.06 min

Lab File: BG044526.D

Acq: 20 Feb 2020 18:36

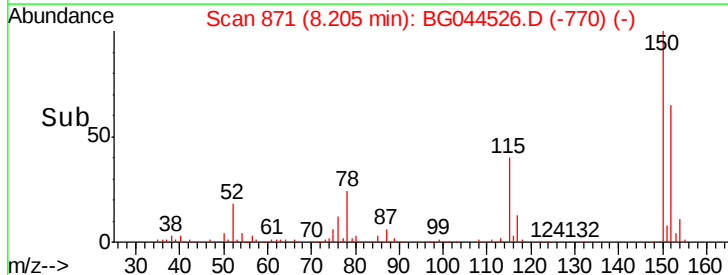
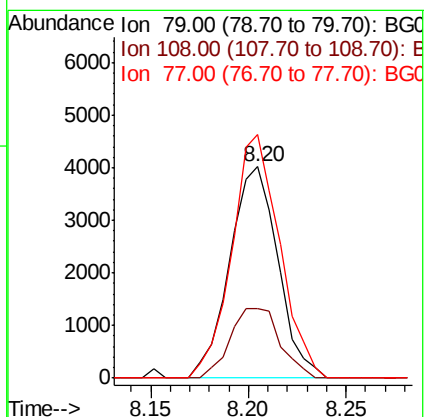
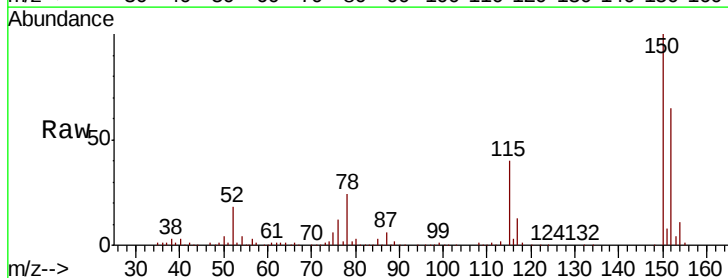
Tgt Ion: 79 Resp: 6890

Ion Ratio Lower Upper

79 100

108 32.8 68.3 102.5#

77 115.2 51.8 77.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.916 ng

RT: 9.04 min Scan# 1013

Delta R.T. 0.33 min

Lab File: BG044526.D

Acq: 20 Feb 2020 18:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 55807

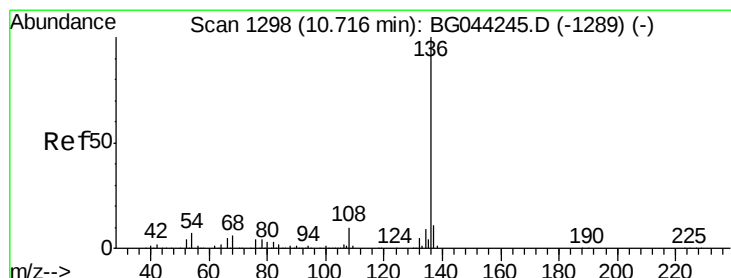
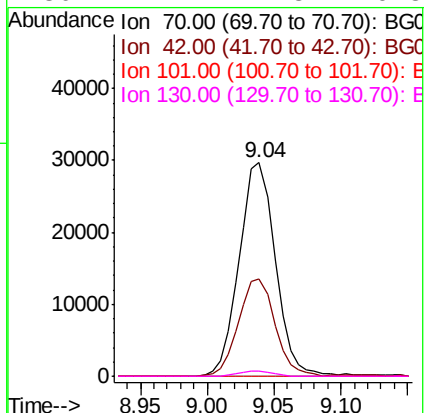
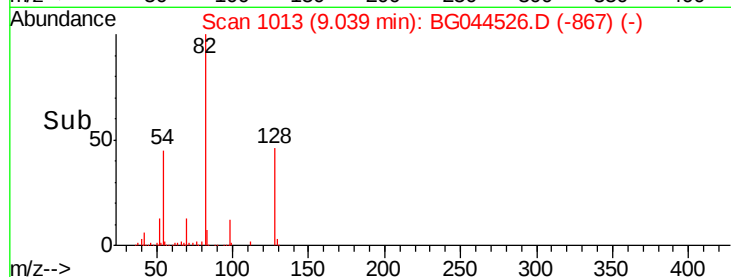
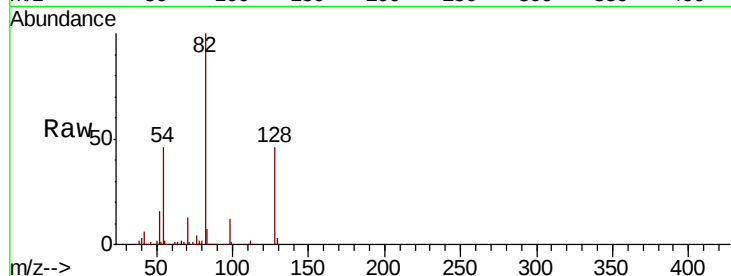
Ion Ratio Lower Upper

70 100

42 45.6 46.2 69.2#

101 0.0 8.4 12.6#

130 2.2 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: BG044526.D

Acq: 20 Feb 2020 18:36

Tgt Ion: 136 Resp: 253145

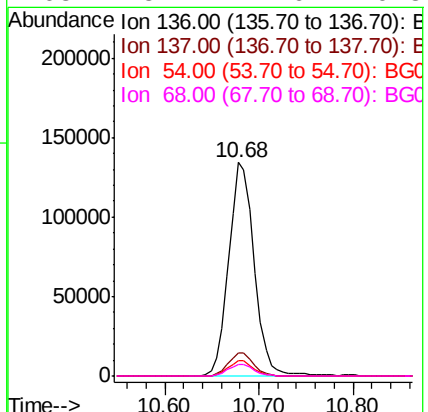
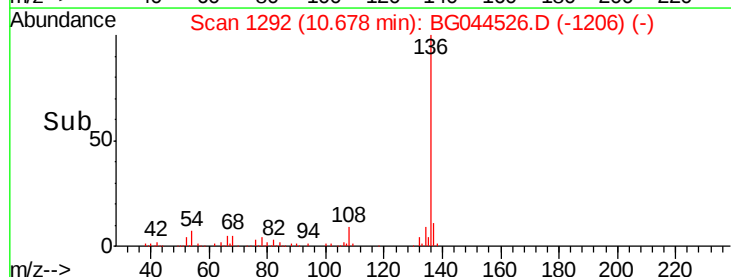
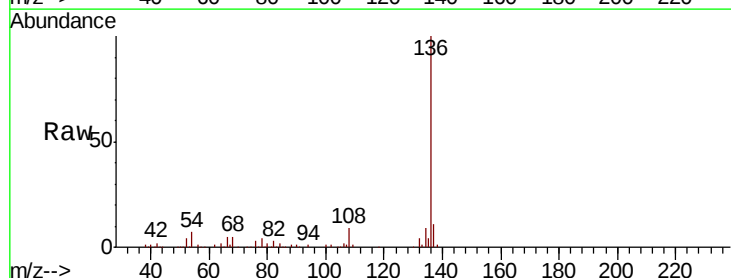
Ion Ratio Lower Upper

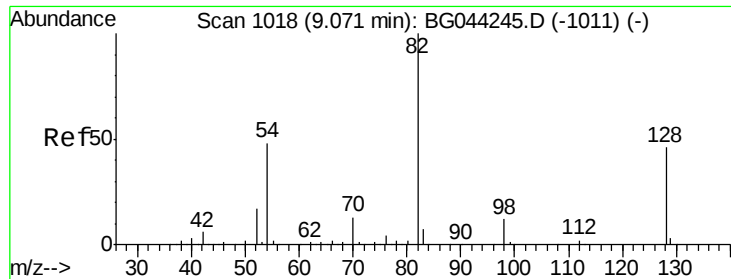
136 100

137 10.9 8.8 13.2

54 7.2 5.8 8.8

68 5.4 4.6 6.8

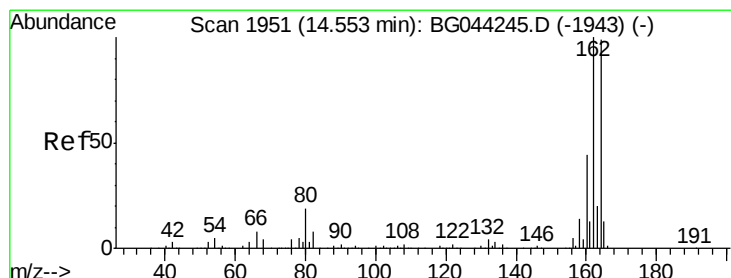
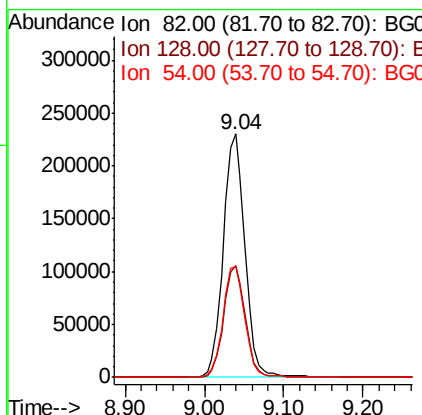
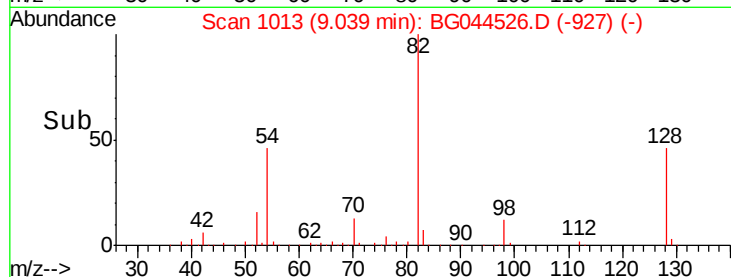
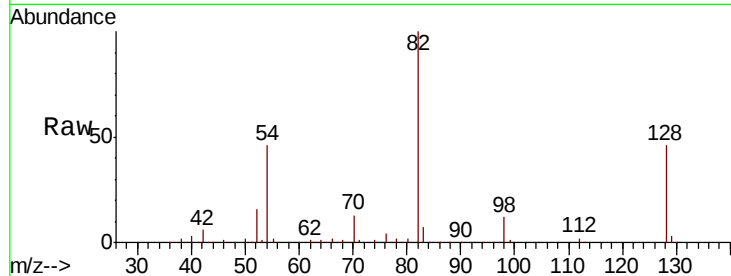




#23
Nitrobenzene-d5
Concen: 96.927 ng
RT: 9.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BG044526.D
Acq: 20 Feb 2020 18:36

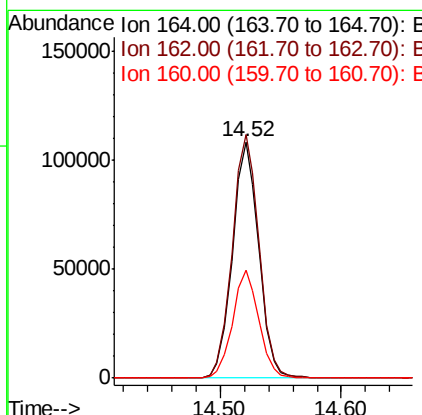
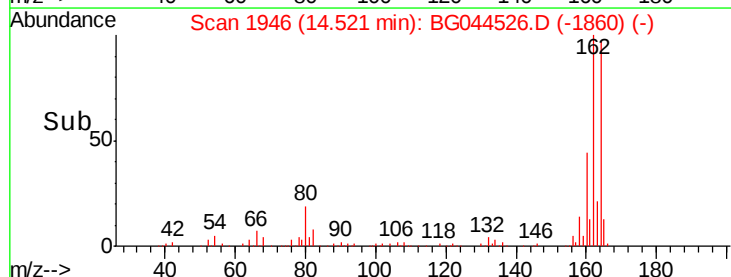
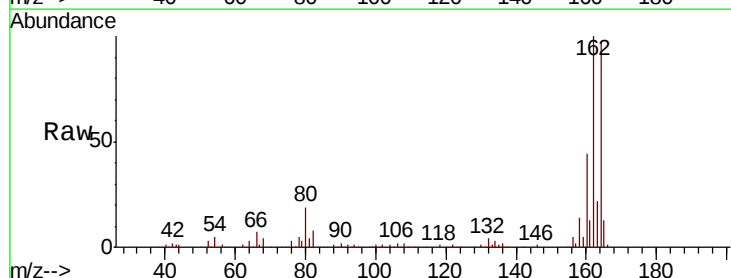
Instrument :
BNA_G
ClientSampleId :

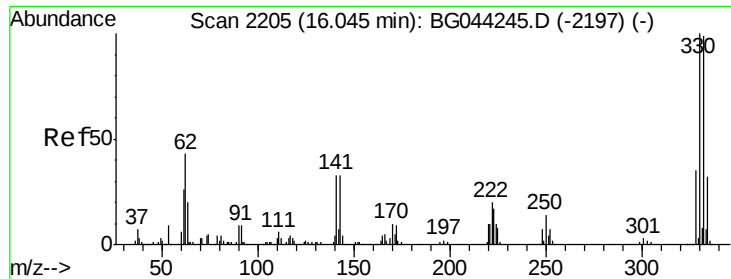
Tot Ion	82	Resp	434610
Ion Ratio	100	Lower	Upper
128	46.1	36.5	54.7
54	45.5	38.6	58.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG044526.D
Acq: 20 Feb 2020 18:36

Tgt Ion	164	Resp	164434
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	103.1	80.7	121.1
160	45.5	35.3	52.9

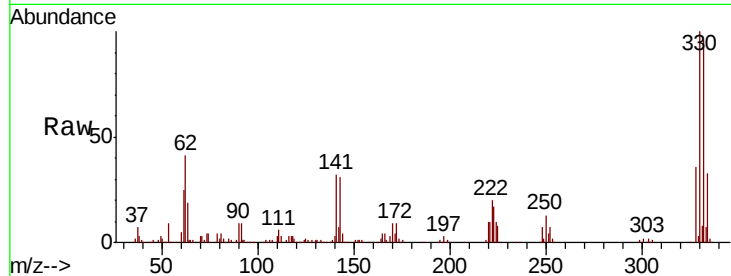




#42
 2,4,6-Tribromophenol
 Concen: 151.559 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. -0.02 min
 Lab File: BG044526.D
 Acq: 20 Feb 2020 18:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	34.3	28.3	42.5

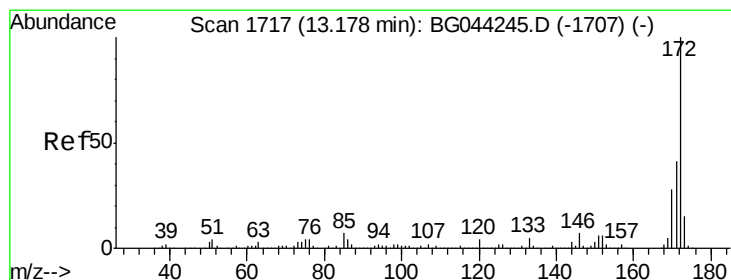
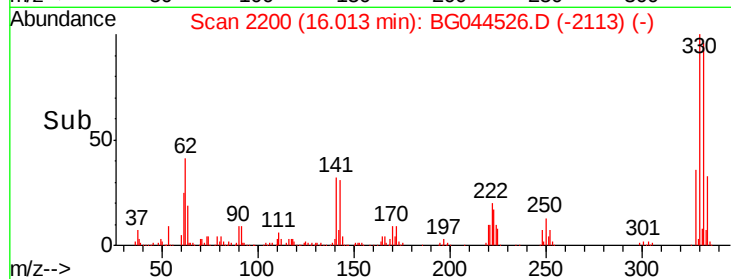
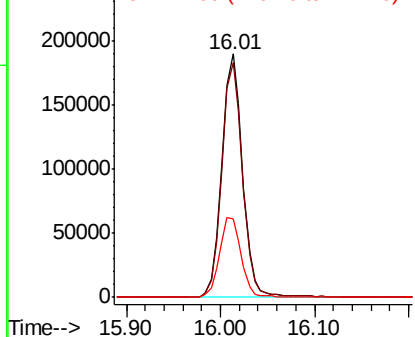


Abundance

Ion 329.80 (329.50 to 330.50): E

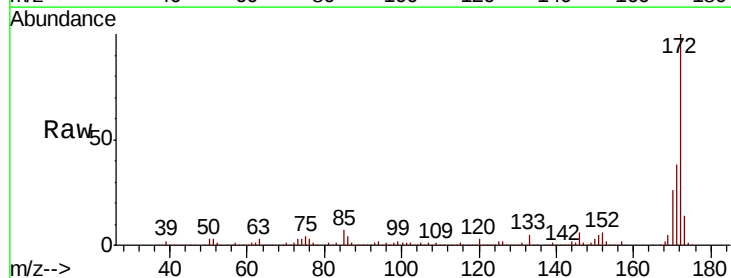
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 103.383 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG044526.D
 Acq: 20 Feb 2020 18:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	32.9	49.3
170	26.2	22.0	33.0

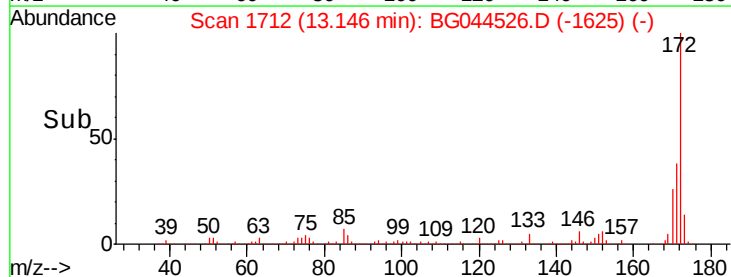
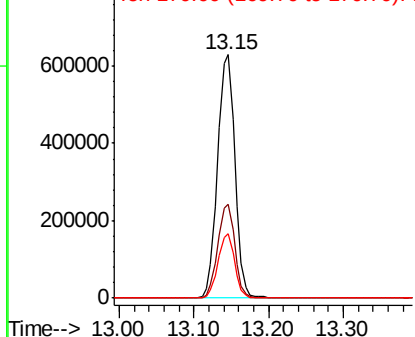


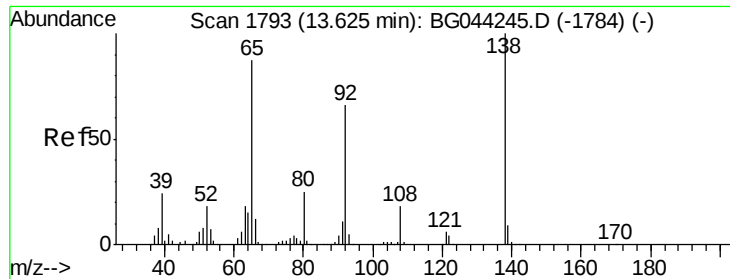
Abundance

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

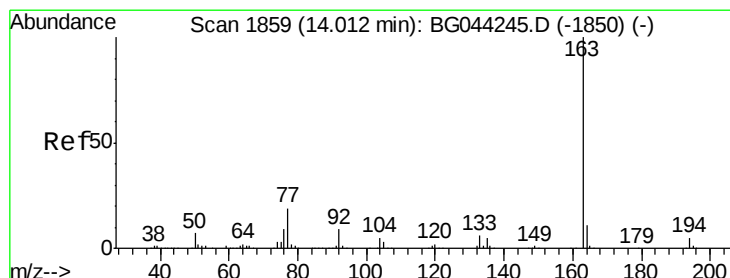
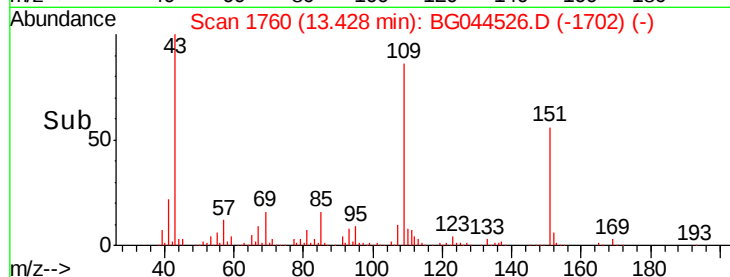
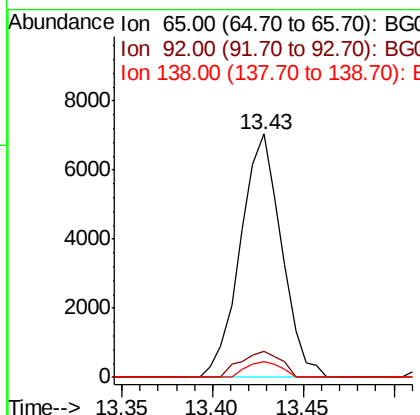
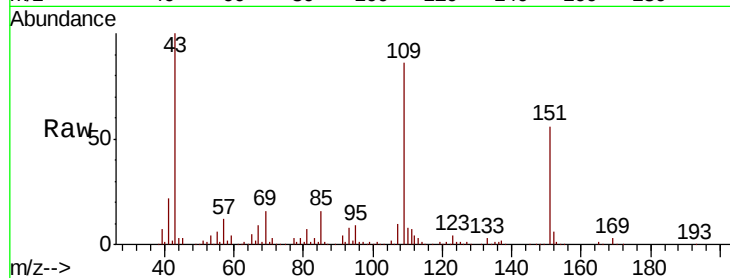




#48
2-Nitroaniline
Concen: 3.974 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.19 min
Lab File: BG044526.D
Acq: 20 Feb 2020 18:36

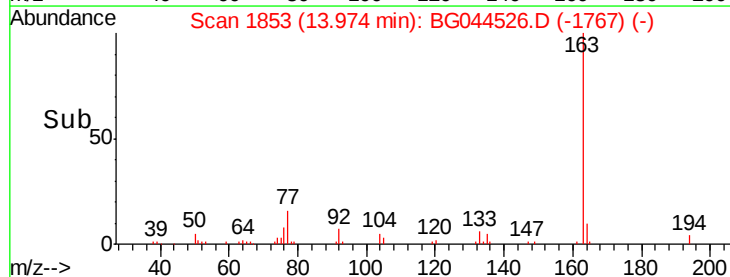
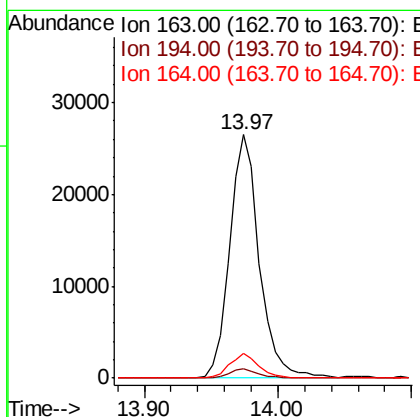
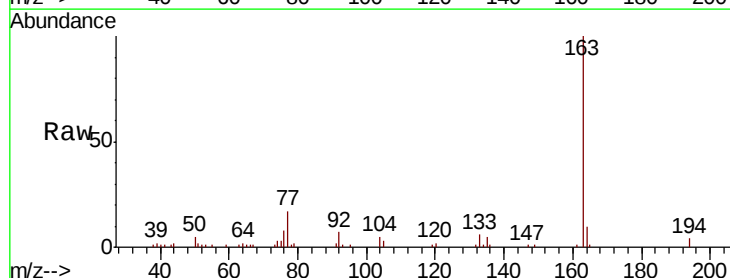
Instrument :
BNA_G
ClientSampled :

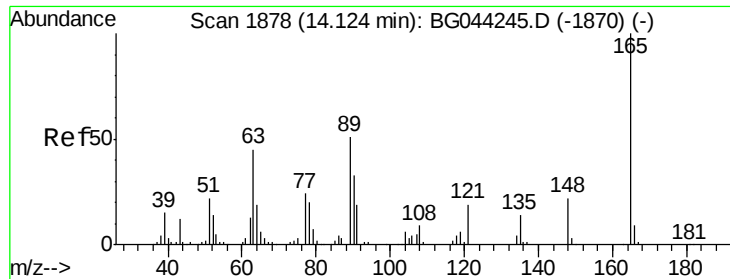
Tot Ion: 65 Resp: 11070
Ion Ratio Lower Upper
65 100
92 10.7 60.3 90.5#
138 6.3 91.9 137.9#



#50
Dimethylphthalate
Concen: 3.466 ng
RT: 13.97 min Scan# 1853
Delta R.T. -0.02 min
Lab File: BG044526.D
Acq: 20 Feb 2020 18:36

Tgt Ion: 163 Resp: 40970
Ion Ratio Lower Upper
163 100
194 4.0 3.6 5.4
164 10.0 8.7 13.1

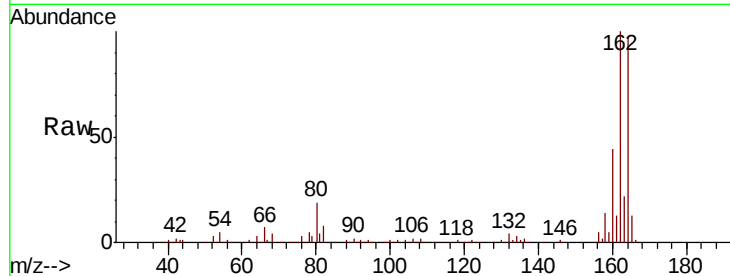




#51
 2,6-Dinitrotoluene
 Concen: 8.271 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. 0.41 min
 Lab File: BG044526.D
 Acq: 20 Feb 2020 18:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.6	40.4	60.6#

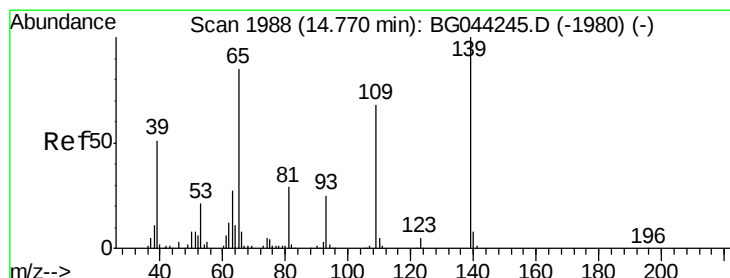
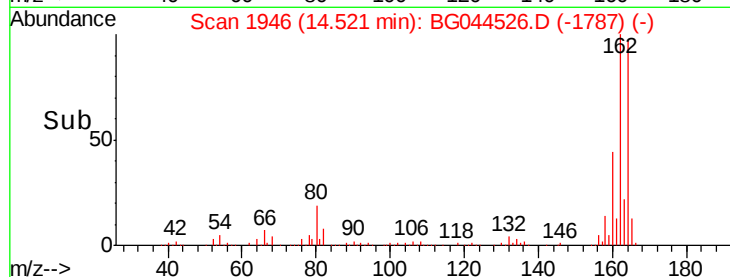
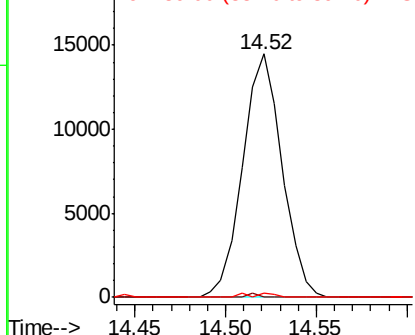


Abundance

Ion 165.00 (164.70 to 165.70): E

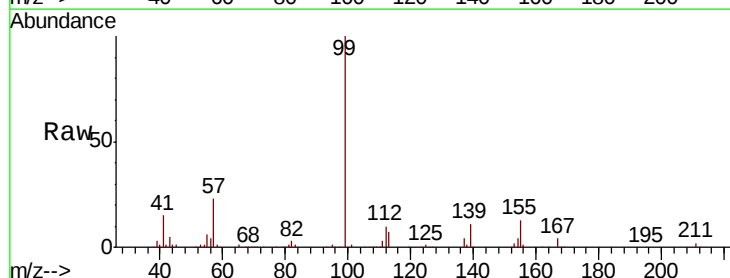
Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#56
 4-Nitrophenol
 Concen: 5.194 ng
 RT: 14.49 min Scan# 1940
 Delta R.T. -0.28 min
 Lab File: BG044526.D
 Acq: 20 Feb 2020 18:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	2.0	47.5	87.5#
65	7.5	64.9	104.9#

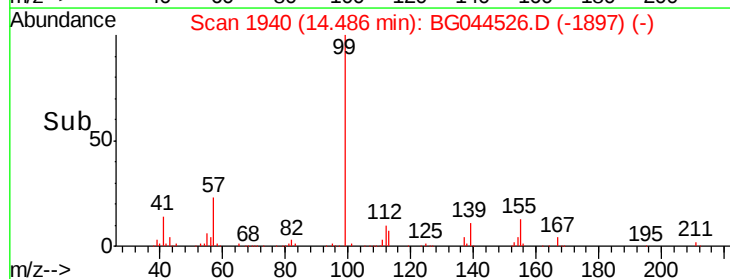
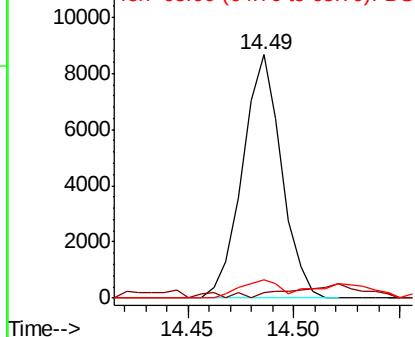


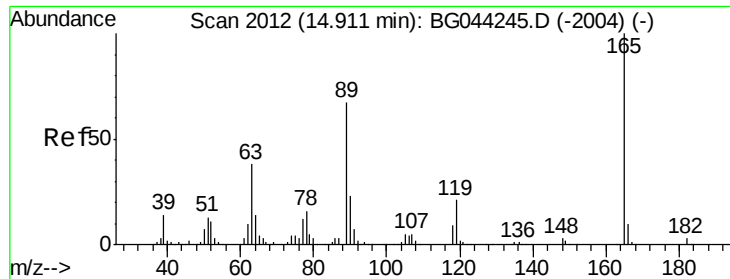
Abundance

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): BG





#57

2,4-Dinitrotoluene

Concen: 5.901 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.38 min

Lab File: BG044526.D

Acq: 20 Feb 2020 18:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 21798

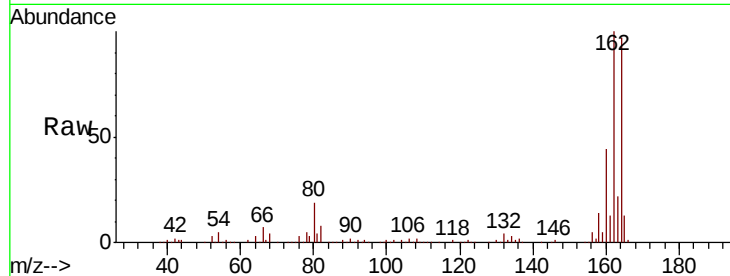
Ion Ratio Lower Upper

165 100

63 0.0 30.3 45.5#

89 1.6 53.4 80.2#

182 0.0 2.1 3.1#

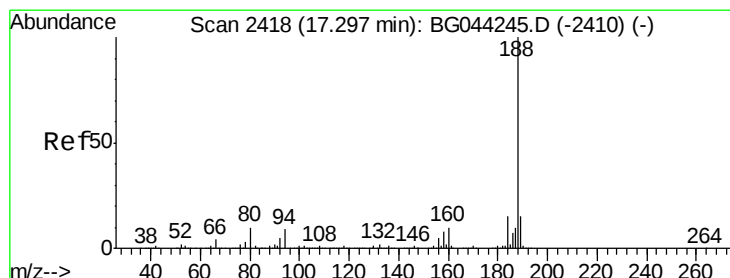
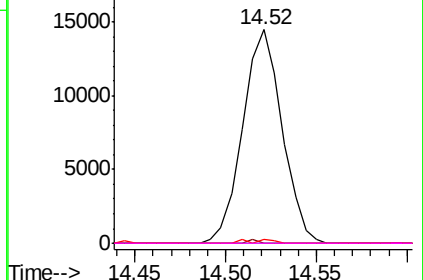
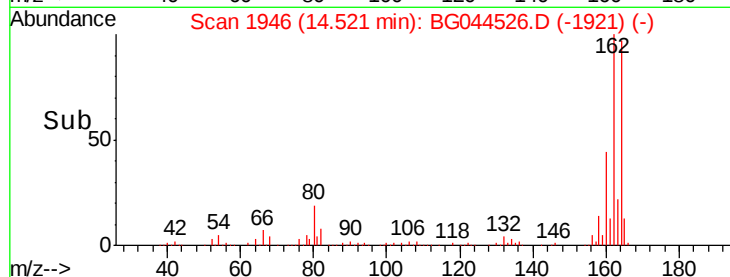


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2413

Delta R.T. -0.02 min

Lab File: BG044526.D

Acq: 20 Feb 2020 18:36

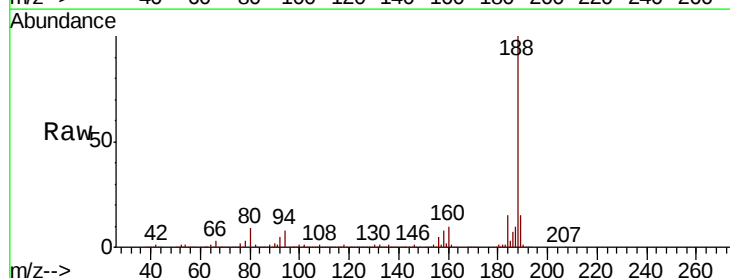
Tgt Ion:188 Resp: 367921

Ion Ratio Lower Upper

188 100

94 8.3 7.4 11.2

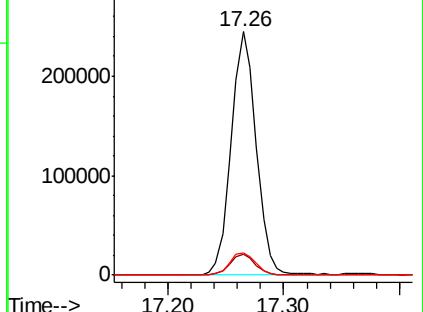
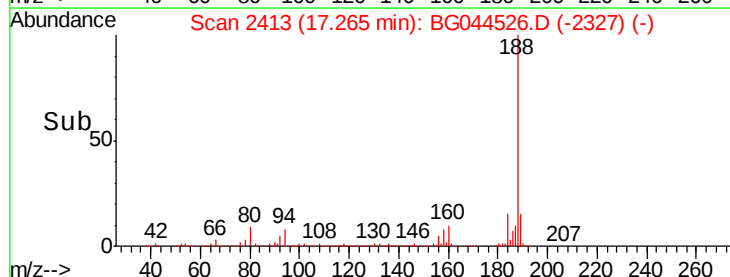
80 9.4 7.7 11.5

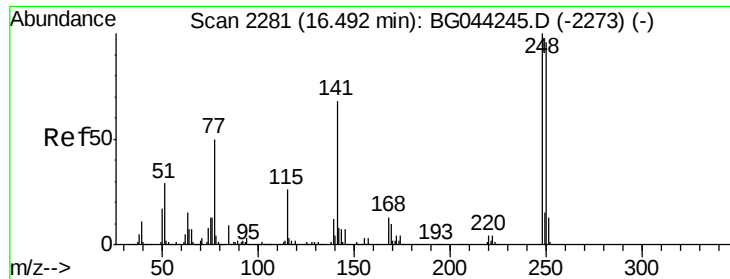


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

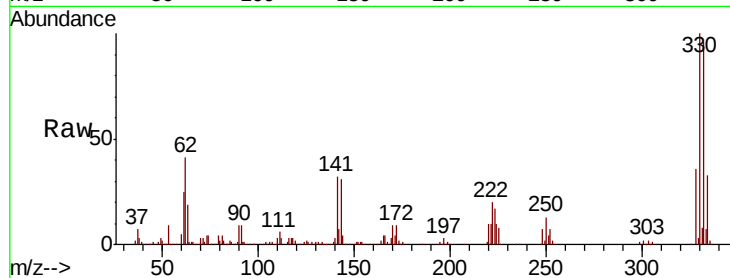




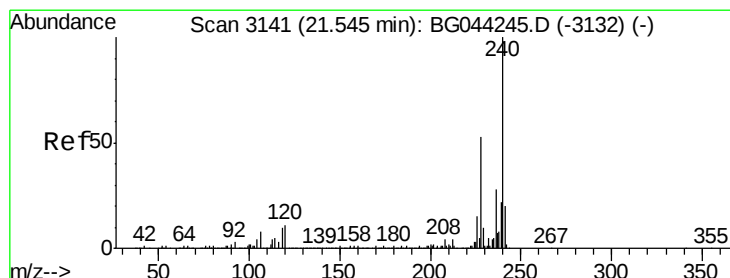
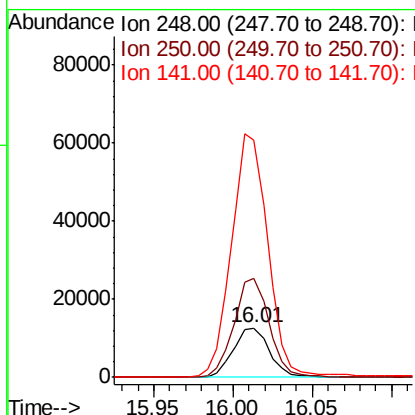
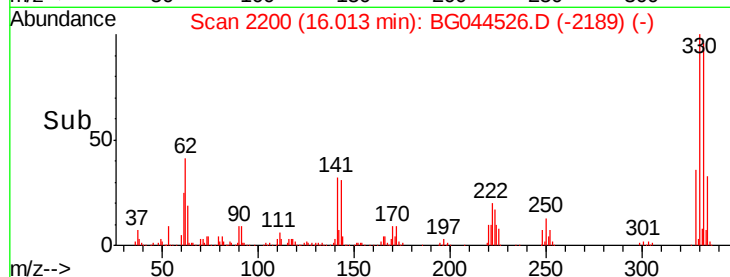
#67
4-Bromophenyl-phenylether
Concen: 4.971 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.46 min
Lab File: BG044526.D
Acq: 20 Feb 2020 18:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19925
Ion Ratio Lower Upper
248 100
250 201.5 76.6 114.8#
141 480.8 54.7 82.1#

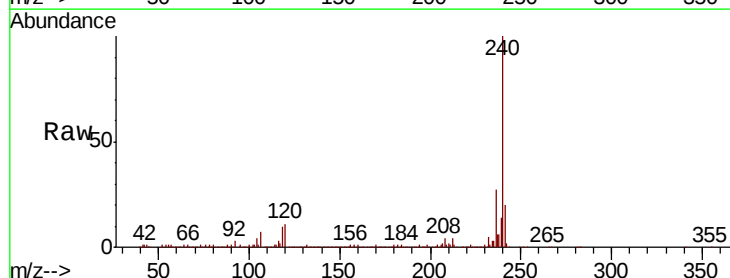


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

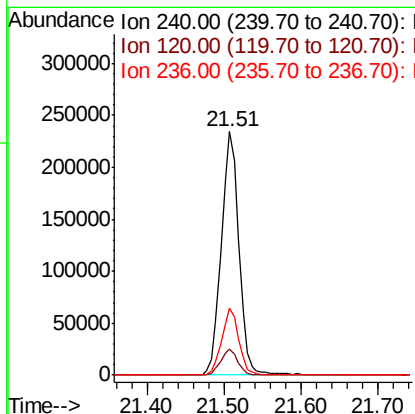
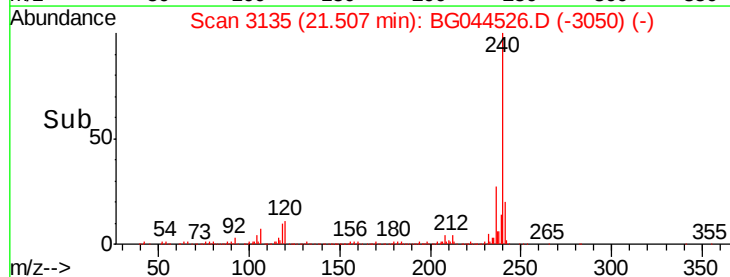


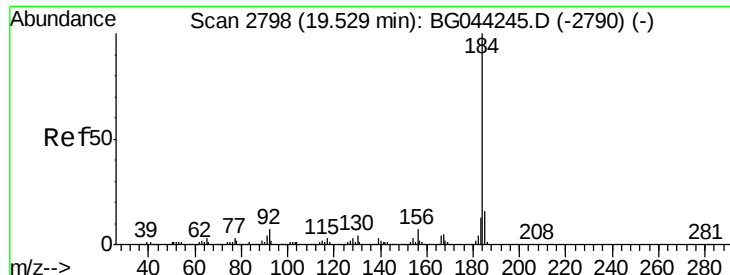
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.51 min Scan# 3135
Delta R.T. -0.03 min
Lab File: BG044526.D
Acq: 20 Feb 2020 18:36

Tgt Ion:240 Resp: 373463
Ion Ratio Lower Upper
240 100
120 10.6 8.4 12.6
236 27.3 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: 2.575 ng

RT: 19.89 min Scan# 2859

Delta R.T. 0.36 min

Lab File: BG044526.D

Acq: 20 Feb 2020 18:36

Instrument :

BNA_G

ClientSampled :

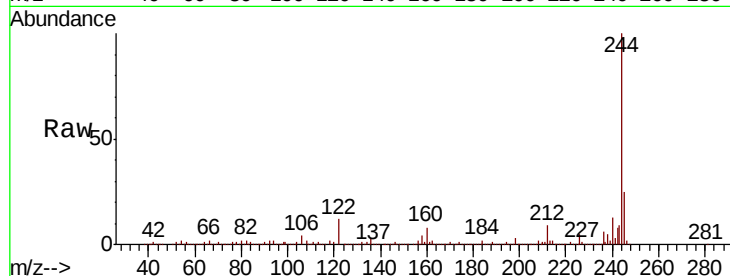
Tot Ion:184 Resp: 26679

Ion Ratio Lower Upper

184 100

185 18.4 12.9 19.3

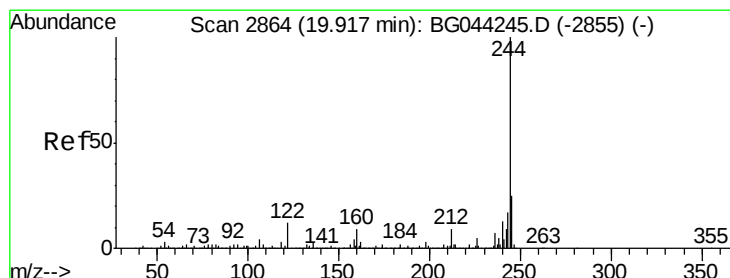
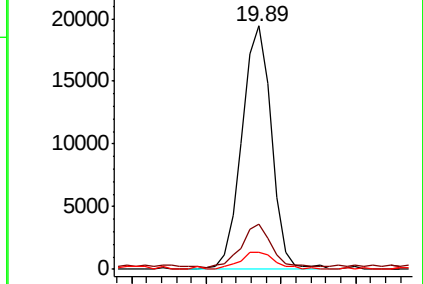
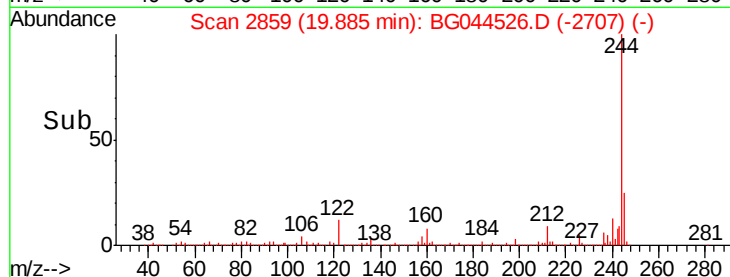
183 7.1 10.8 16.2#



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: 89.287 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BG044526.D

Acq: 20 Feb 2020 18:36

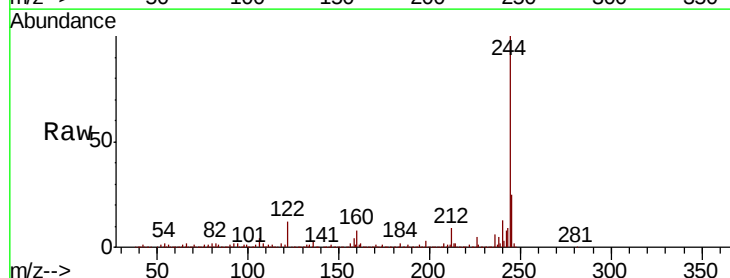
Tgt Ion:244 Resp: 1621179

Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.2

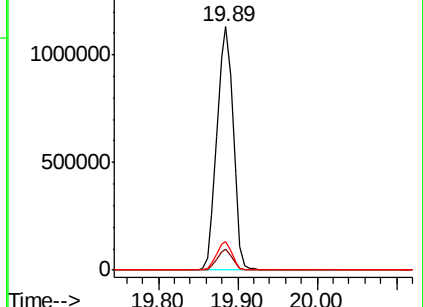
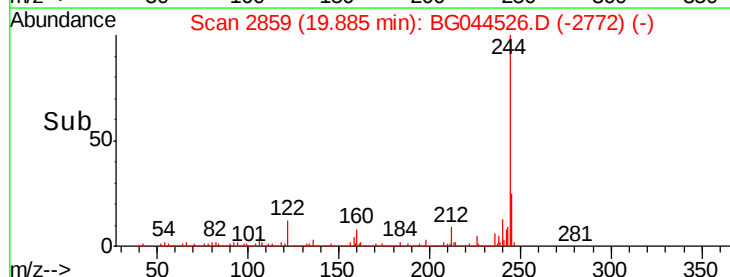
122 11.6 9.8 14.6

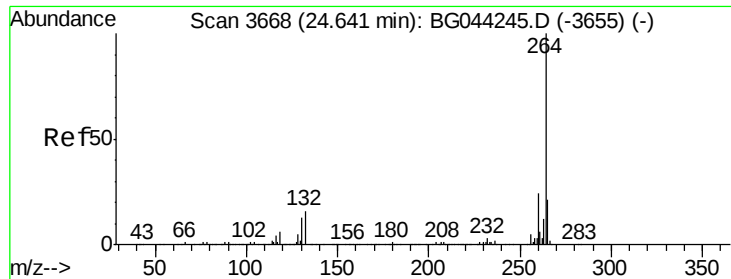


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

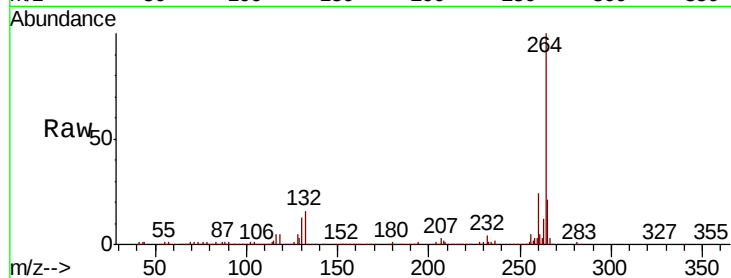




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.58 min Scan# 3658
Delta R.T. -0.04 min
Lab File: BG044526.D
Acq: 20 Feb 2020 18:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.3	16.7	25.1



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

