

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044041.D
 Acq On : 14 Jan 2020 18:07
 Operator : JU
 Sample : L1111-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 20:34:35 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	116533	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	474304	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	294203	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	600764	20.00	ng	-0.01
76) Chrysene-d12	21.59	240	515809	20.00	ng	0.00
87) Perylene-d12	24.80	264	579299	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	493611	77.77	ng	0.00
7) Phenol-d6	7.12	99	702850	79.23	ng	0.00
23) Nitrobenzene-d5	9.10	82	414059	46.70	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	220149	71.51	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	954986	58.81	ng	-0.02
79) Terphenyl-d14	19.94	244	1308051	54.95	ng	-0.01

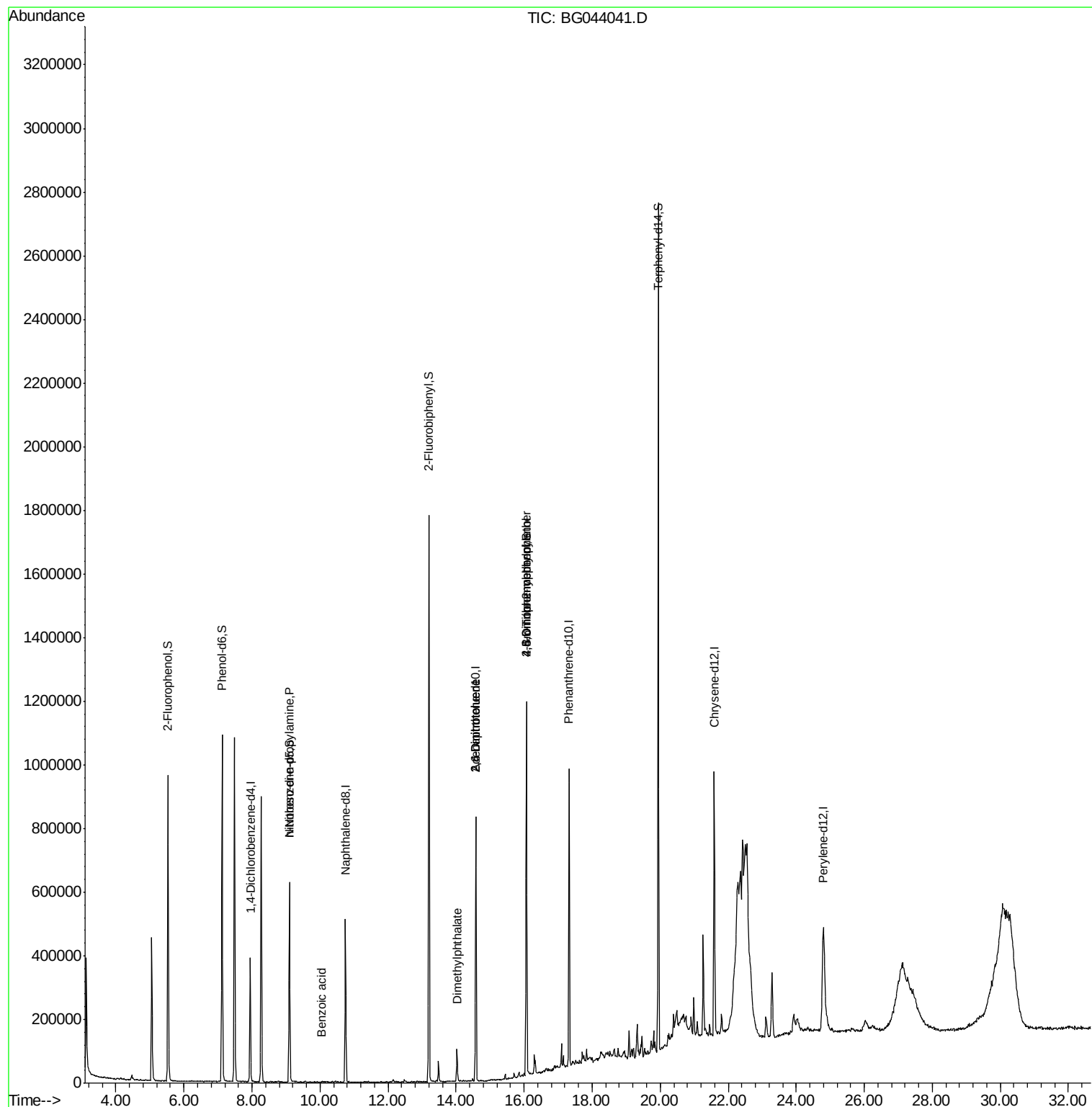
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.10	70	53890	8.157	ng	# 73
32) Benzoic acid	10.04	122	313	6.315	ng	# 78
50) Dimethylphthalate	14.03	163	73744	3.530	ng	96
51) 2,6-Dinitrotoluene	14.58	165	38258	8.103	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	38258	5.955	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	706	4.597	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	15668	2.319	ng	# 1

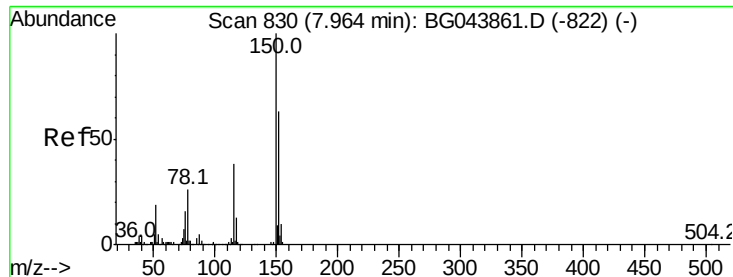
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 14 20:34:35 2020
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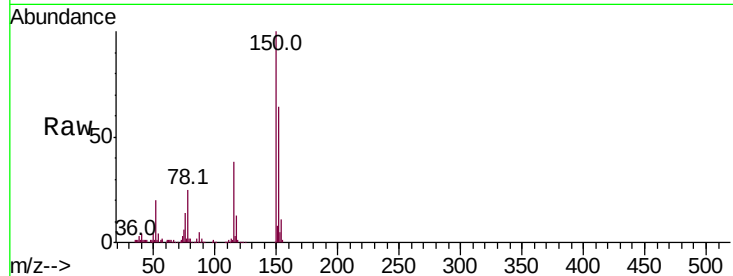


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044041.D
Acq: 14 Jan 2020 18:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.0	190.4
115	59.1	47.8	71.8

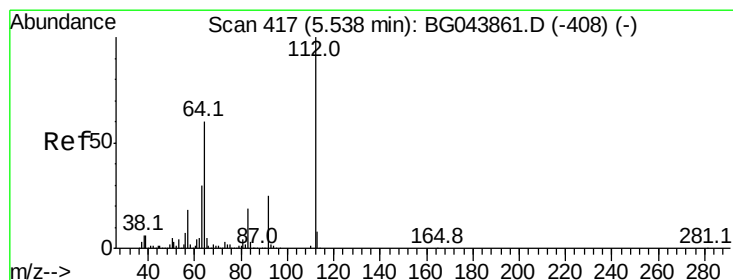
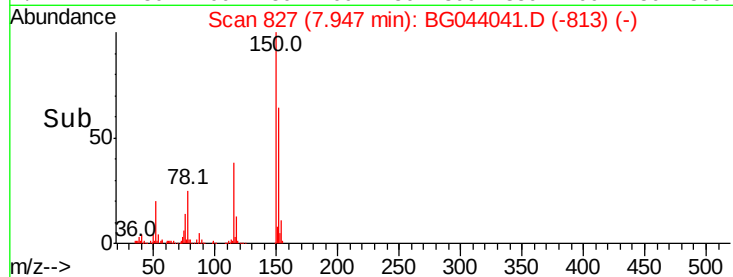
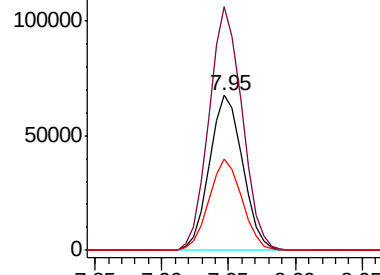


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

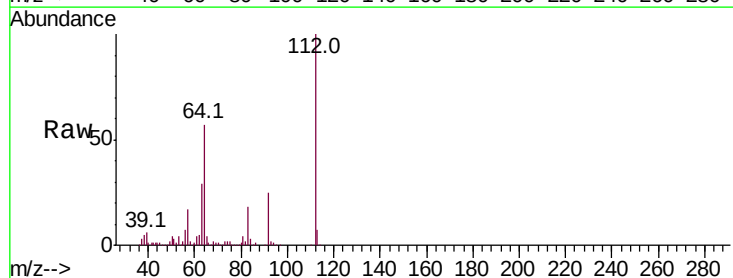
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.774 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044041.D
Acq: 14 Jan 2020 18:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.8	71.6
63	28.9	24.3	36.5

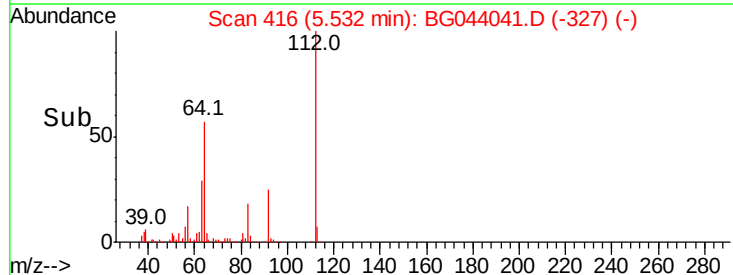
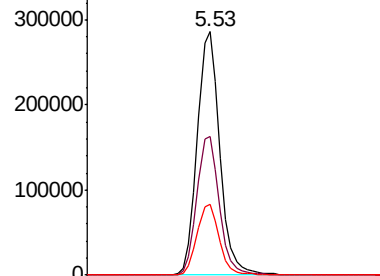


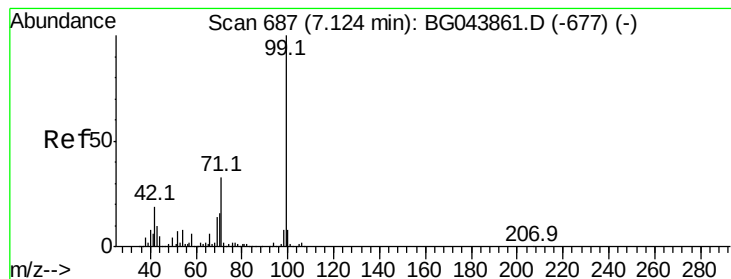
Abundance

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: 79.225 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044041.D

Acq: 14 Jan 2020 18:07

Instrument :

BNA_G

ClientSampled :

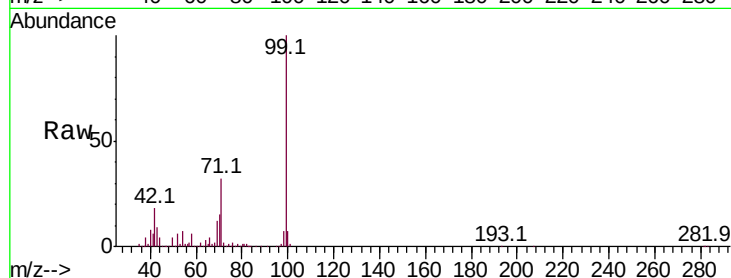
Tot Ion: 99 Resp: 702850

Ion Ratio Lower Upper

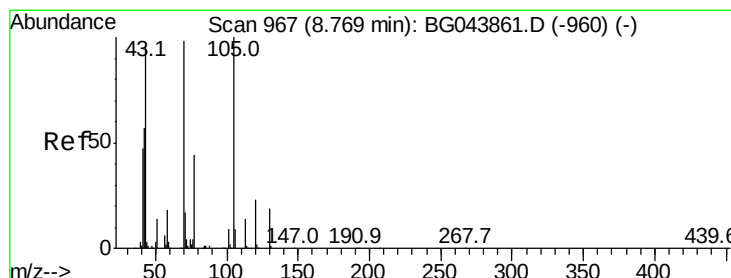
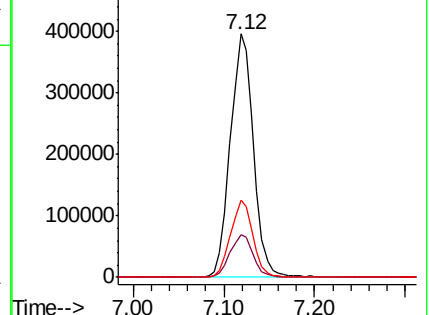
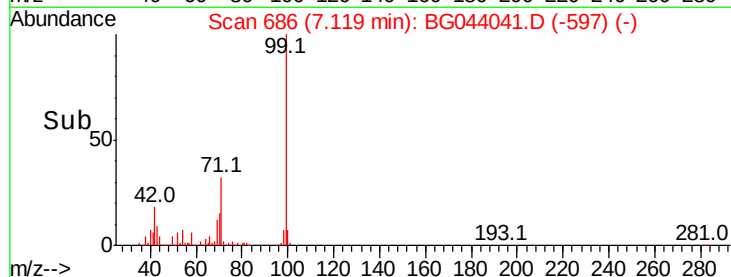
99 100

42 17.7 14.9 22.3

71 31.6 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: 8.157 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG044041.D

Acq: 14 Jan 2020 18:07

Tgt Ion: 70 Resp: 53890

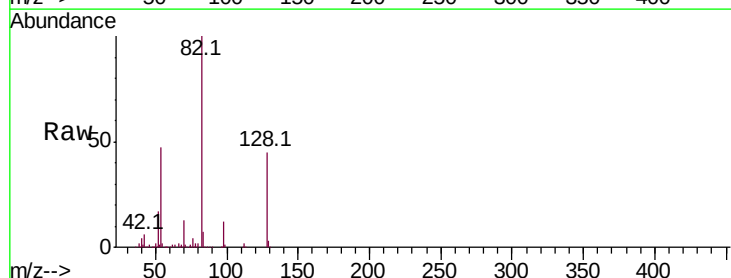
Ion Ratio Lower Upper

70 100

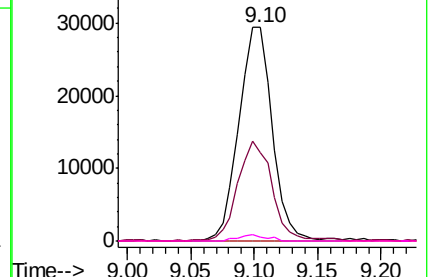
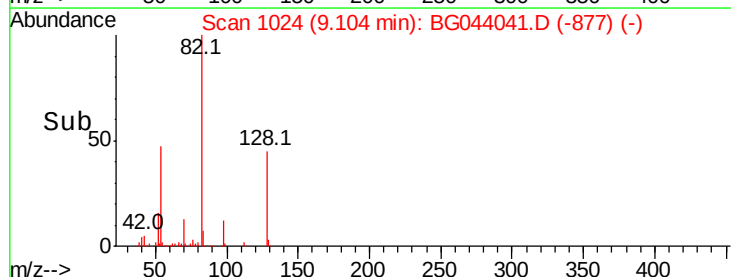
42 41.6 47.0 70.4#

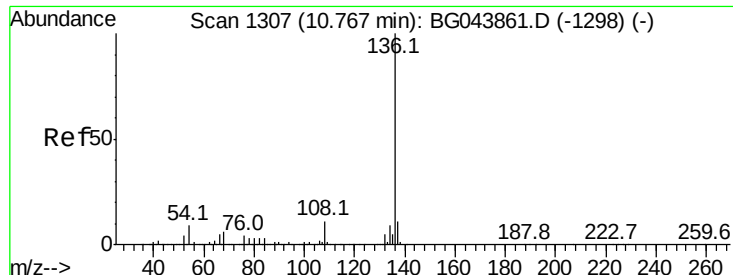
101 0.0 7.2 10.8#

130 1.9 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

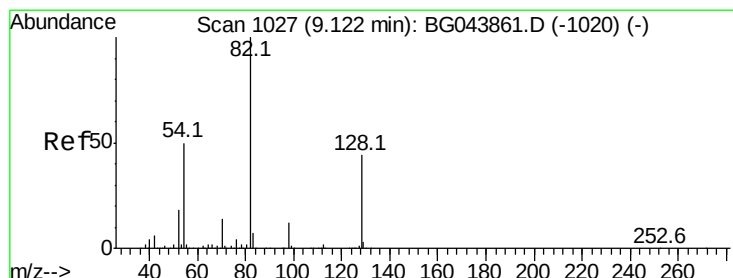
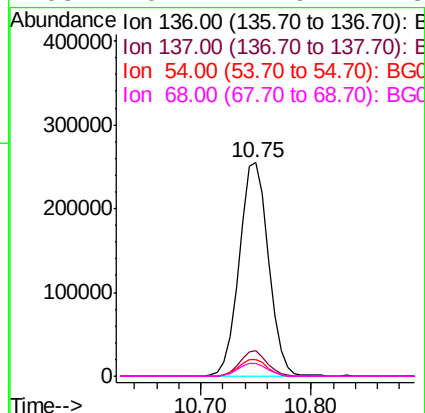
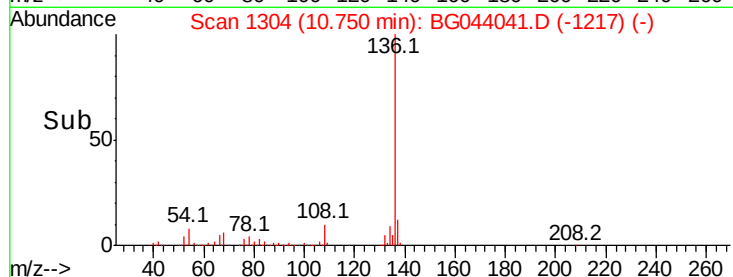
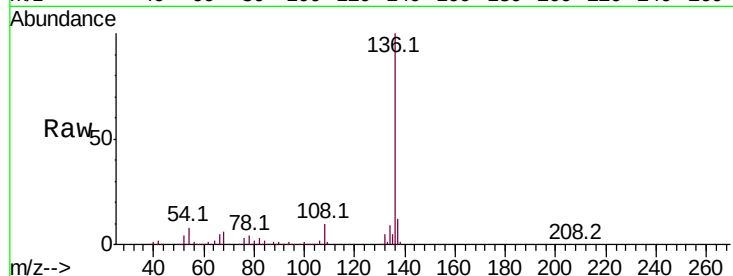




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044041.D
Acq: 14 Jan 2020 18:07

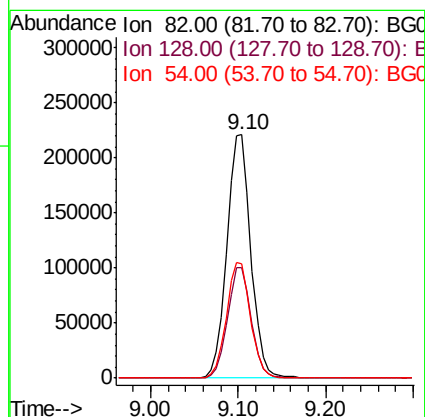
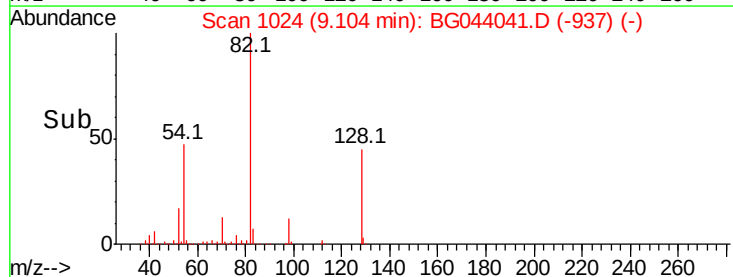
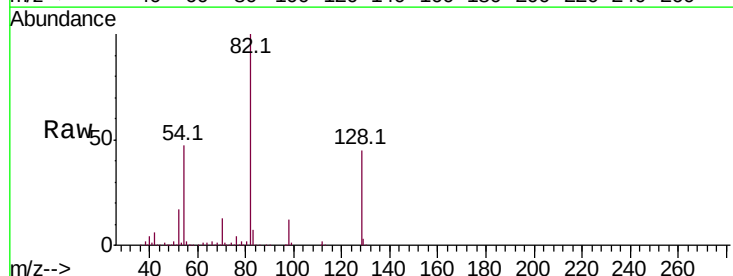
Instrument :
BNA_G
ClientSampleId :

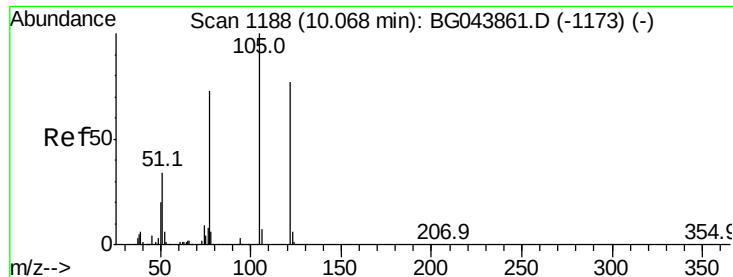
Tot Ion:	136	Resp:	474304
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	7.7	7.0	10.4
68	6.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 46.701 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044041.D
Acq: 14 Jan 2020 18:07

Tgt Ion:	82	Resp:	414059
Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.1	52.7
54	47.1	40.1	60.1





#32

Benzoic acid

Concen: 6.315 ng

RT: 10.04 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BG044041.D

Acq: 14 Jan 2020 18:07

Instrument :

BNA_G

ClientSampleId :

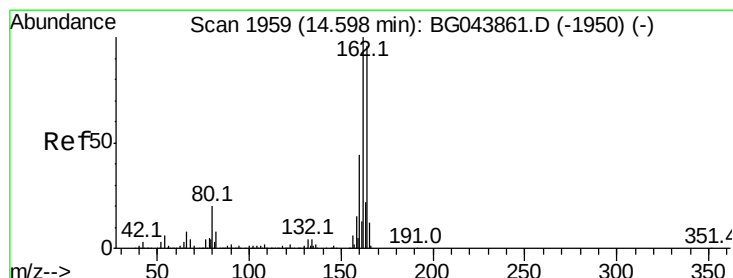
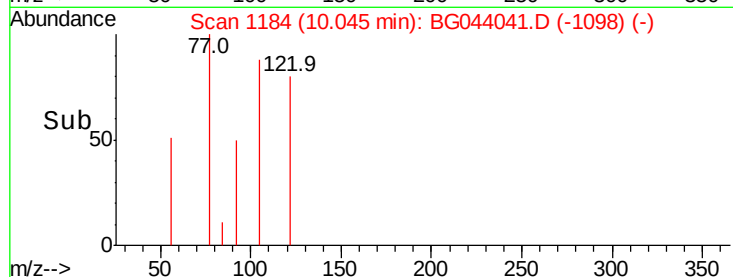
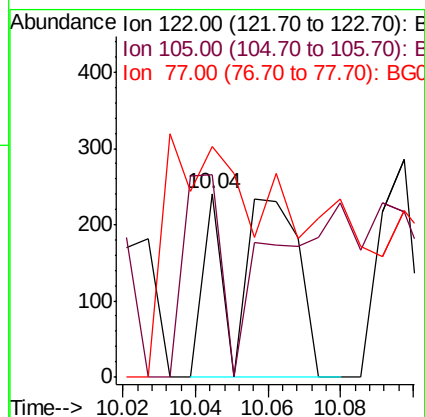
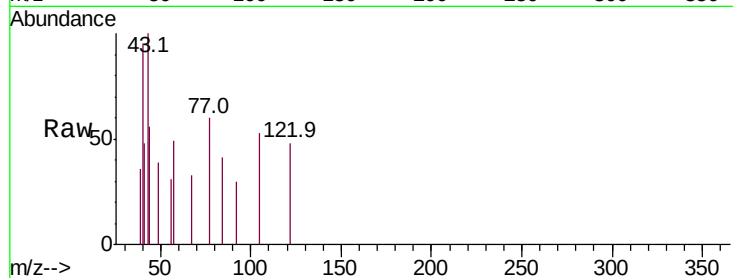
Tot Ion:122 Resp: 313

Ion Ratio Lower Upper

122 100

105 110.4 106.4 146.4

77 125.3 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: BG044041.D

Acq: 14 Jan 2020 18:07

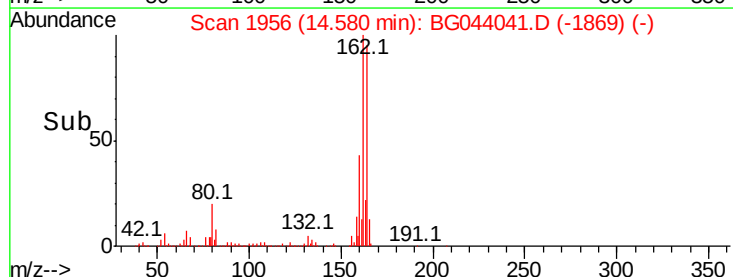
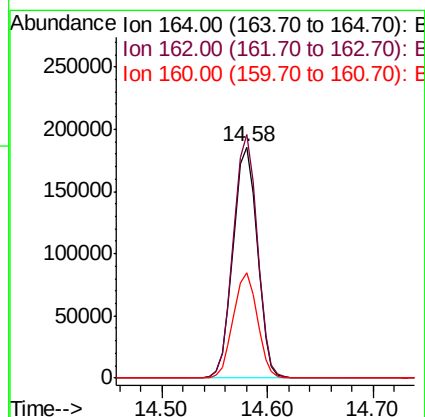
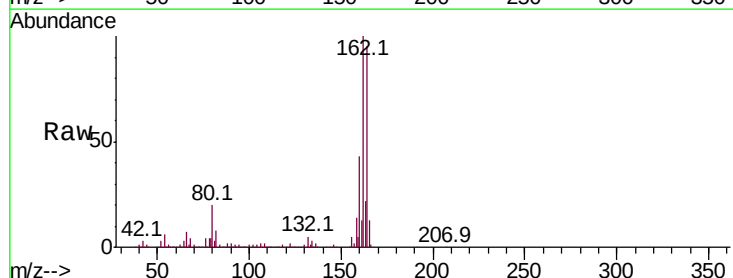
Tgt Ion:164 Resp: 294203

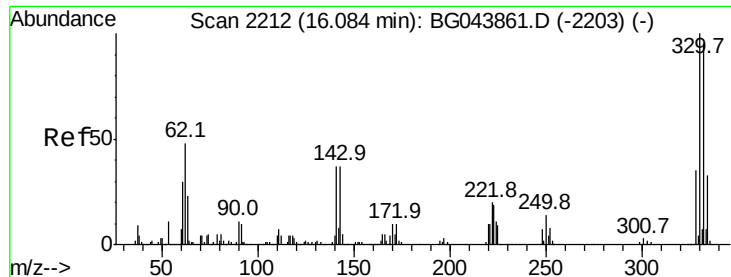
Ion Ratio Lower Upper

164 100

162 105.2 83.0 124.4

160 45.5 36.1 54.1

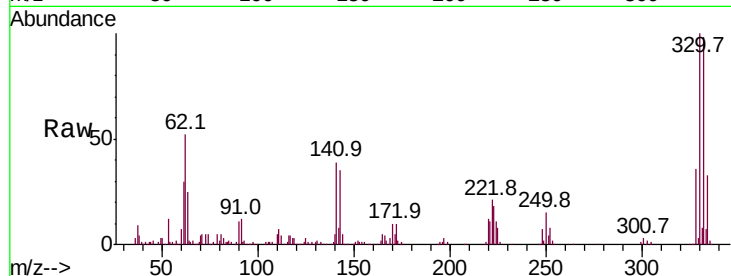




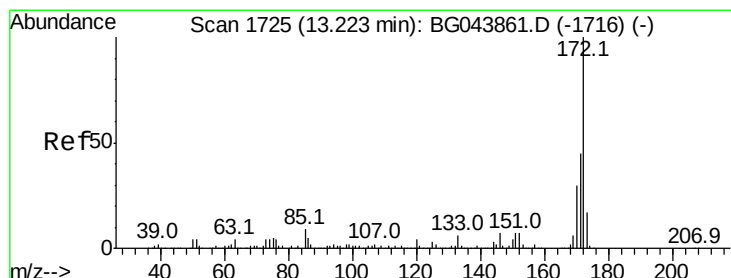
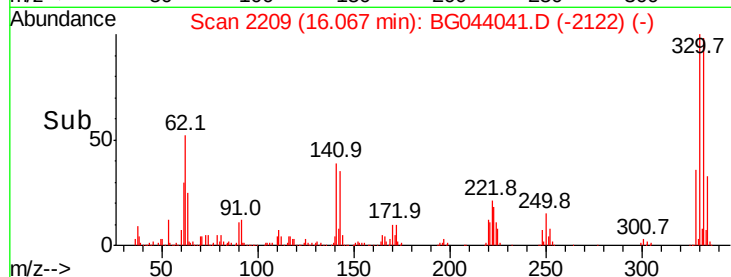
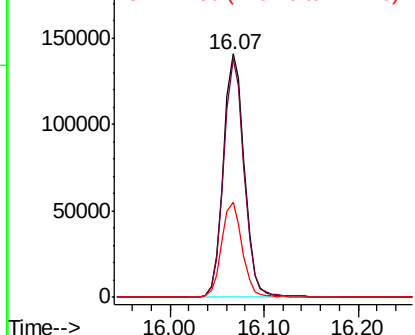
#42
 2,4,6-Tribromophenol
 Concen: 71.505 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044041.D
 Acq: 14 Jan 2020 18:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	38.5	33.1	49.7

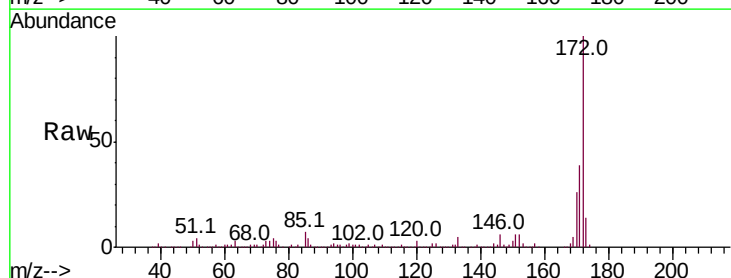


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

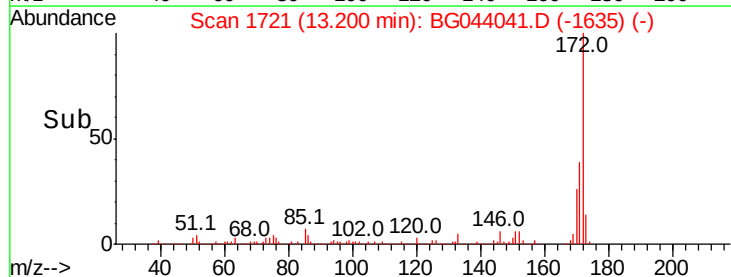
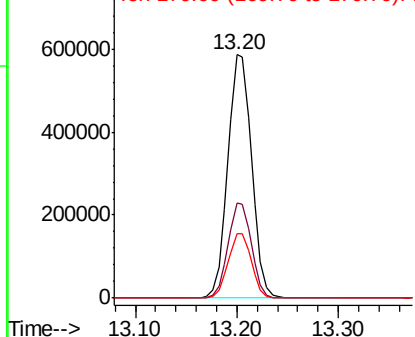


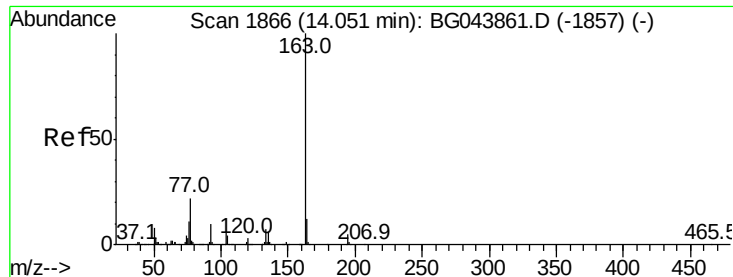
#45
 2-Fluorobiphenyl
 Concen: 58.810 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044041.D
 Acq: 14 Jan 2020 18:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	35.8	53.8
170	26.3	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: 3.530 ng

RT: 14.03 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BG044041.D

Acq: 14 Jan 2020 18:07

Instrument :

BNA_G

ClientSampleId :

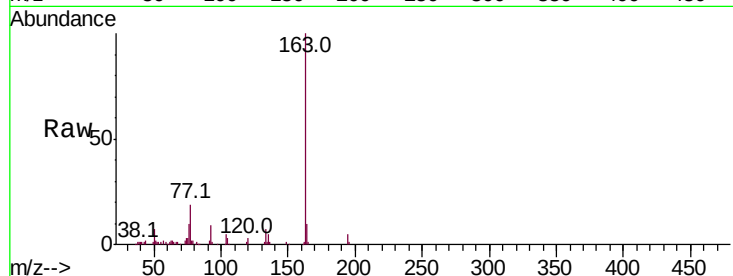
Tot Ion:163 Resp: 73744

Ion Ratio Lower Upper

163 100

194 4.8 3.7 5.5

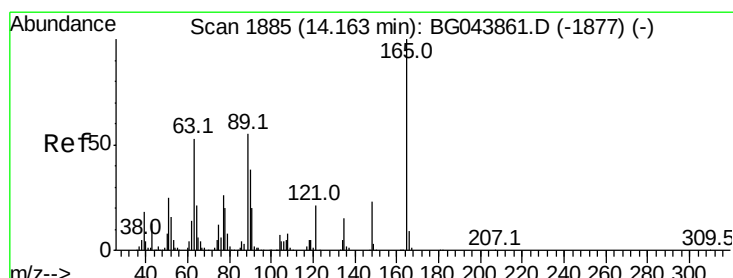
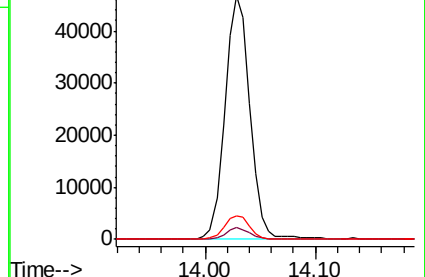
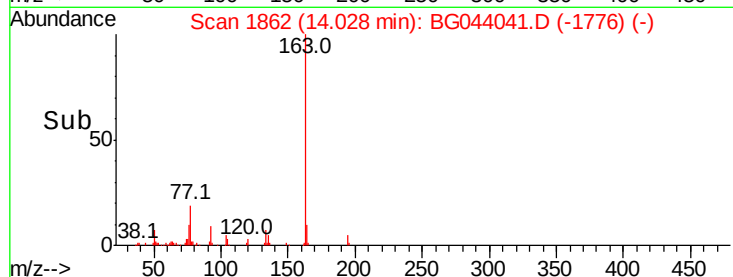
164 9.7 9.3 13.9



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: 8.103 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.42 min

Lab File: BG044041.D

Acq: 14 Jan 2020 18:07

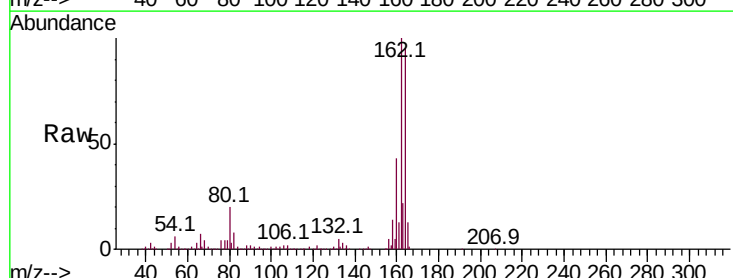
Tgt Ion:165 Resp: 38258

Ion Ratio Lower Upper

165 100

63 1.0 43.1 64.7#

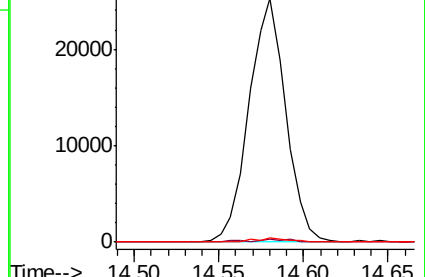
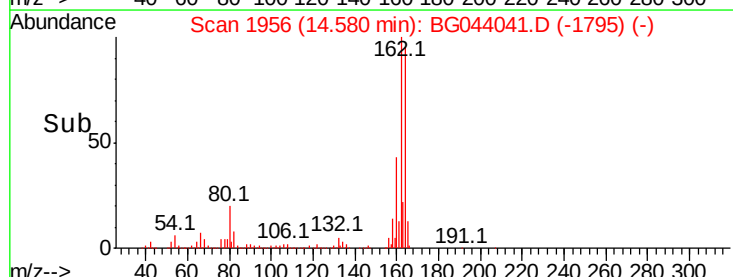
89 1.9 43.8 65.6#

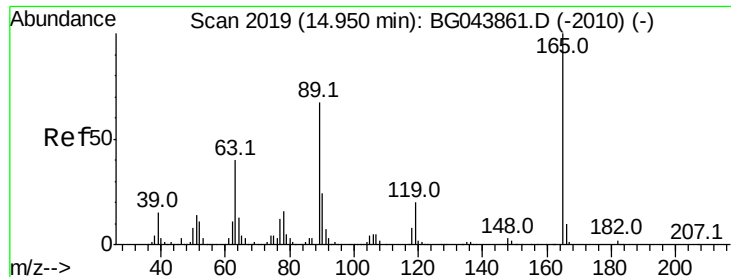


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

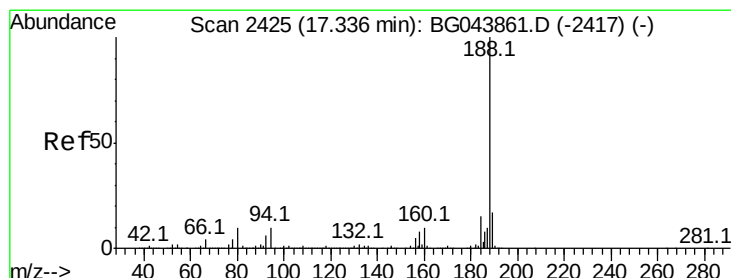
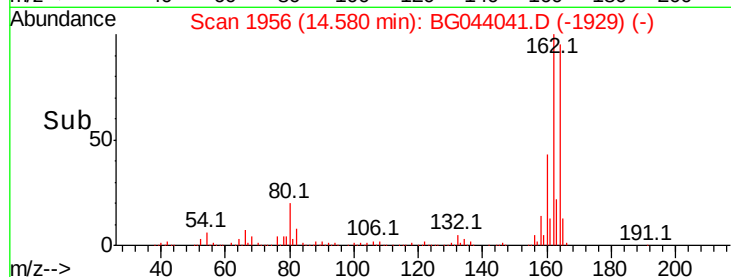
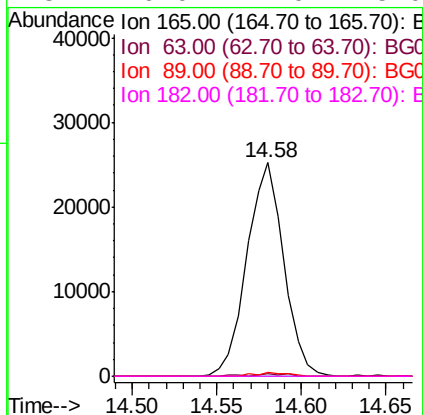
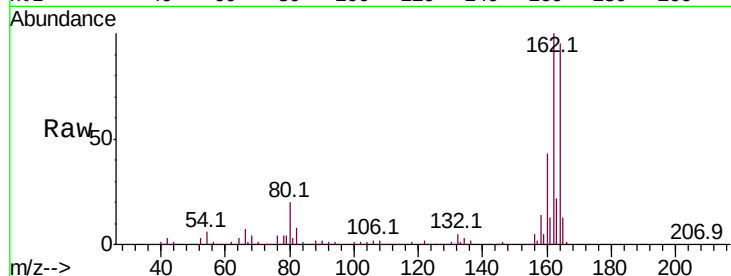




#57
 2,4-Dinitrotoluene
 Concen: 5.955 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.37 min
 Lab File: BG044041.D
 Acq: 14 Jan 2020 18:07

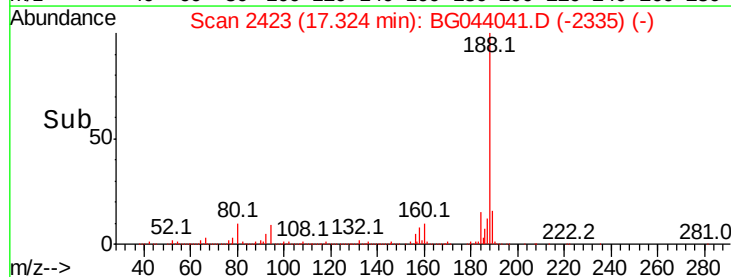
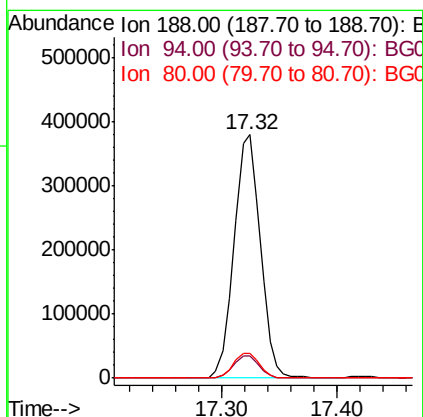
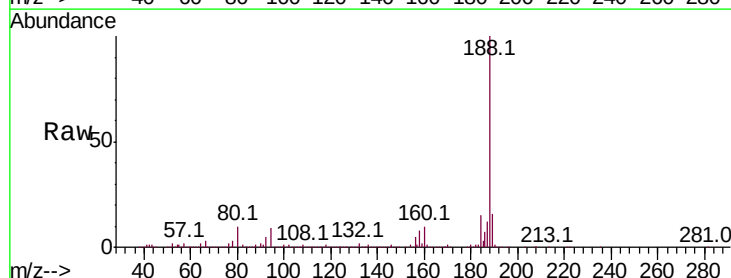
Instrument :
 BNA_G
 ClientSampleId :

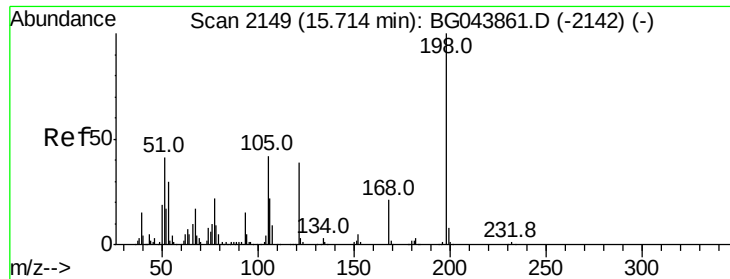
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.9	47.9#
89	1.9	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044041.D
 Acq: 14 Jan 2020 18:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.9	11.9
80	10.2	8.2	12.4

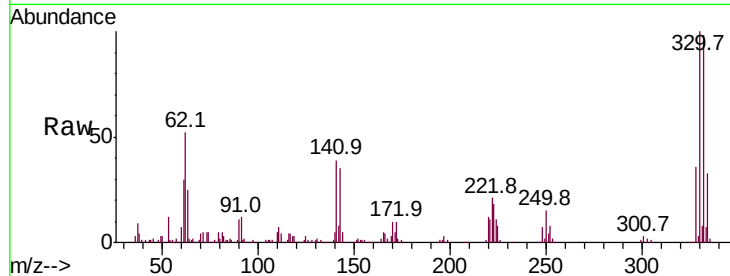




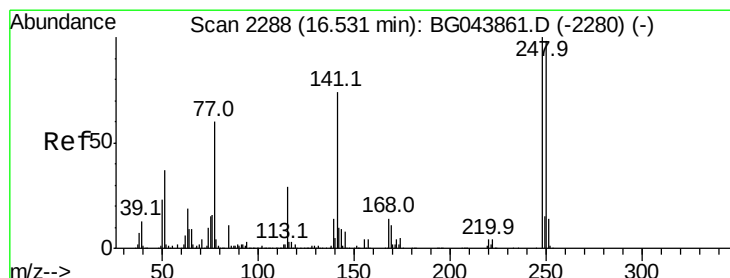
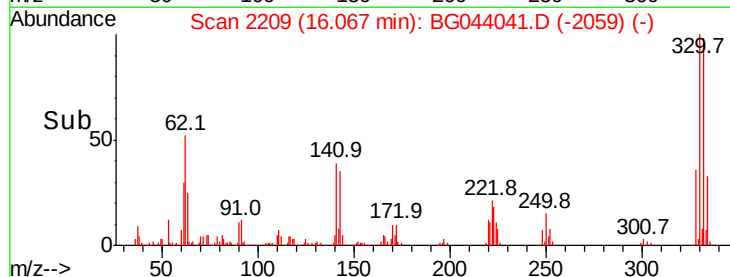
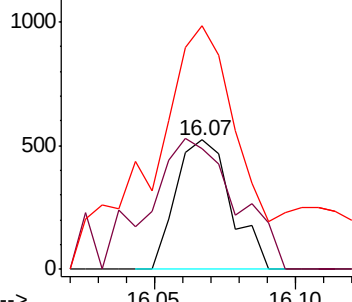
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.597 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. 0.35 min
 Lab File: BG044041.D
 Acq: 14 Jan 2020 18:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 706
 Ion Ratio Lower Upper
 198 100
 51 93.7 22.5 62.5#
 105 188.3 22.3 62.3#

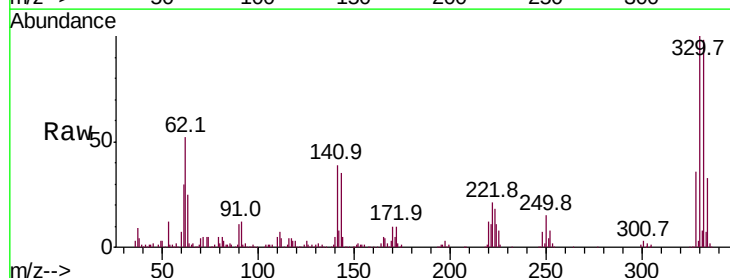


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG043861.D (-2142) (-)
 Ion 105.00 (104.70 to 105.70): E

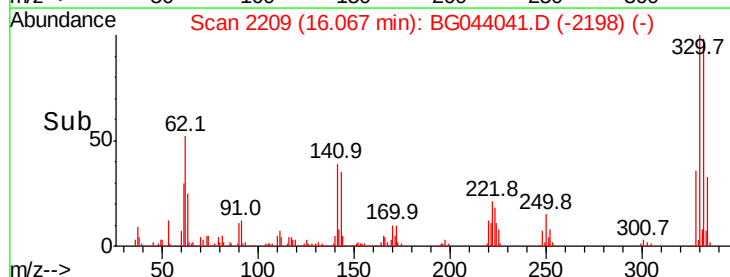
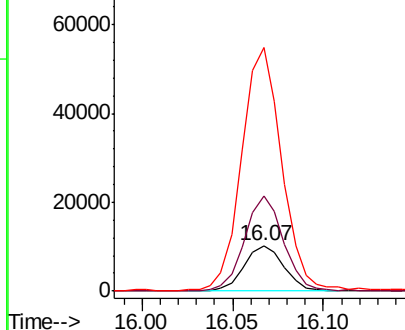


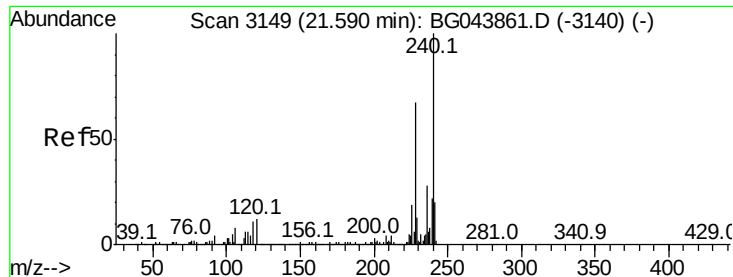
#67
 4-Bromophenyl-phenylether
 Concen: 2.319 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.46 min
 Lab File: BG044041.D
 Acq: 14 Jan 2020 18:07

Tgt Ion:248 Resp: 15668
 Ion Ratio Lower Upper
 248 100
 250 209.4 78.2 117.2#
 141 537.5 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: 21.59 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG044041.D

Acq: 14 Jan 2020 18:07

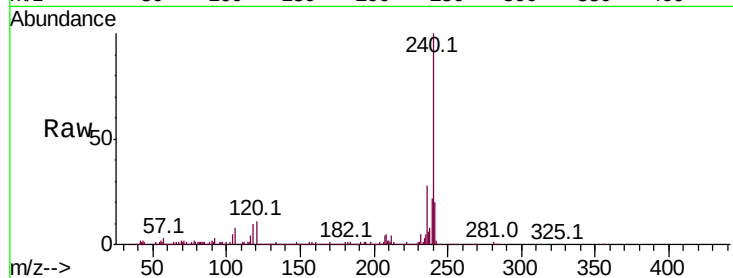
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 515809

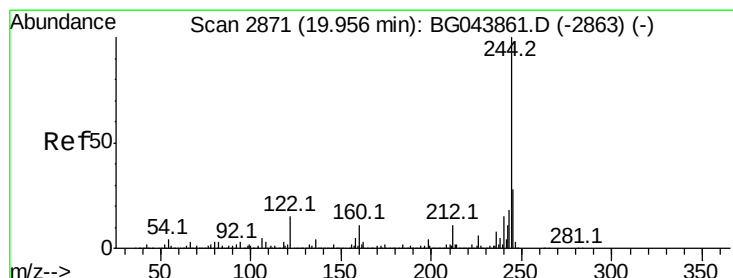
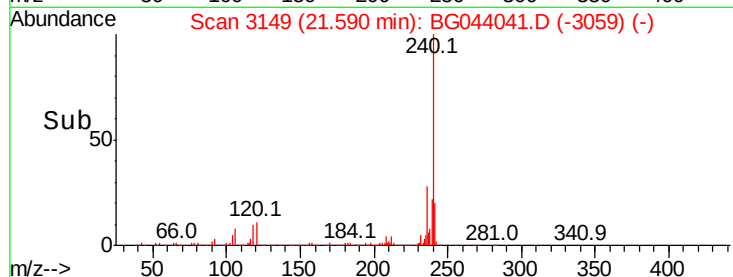
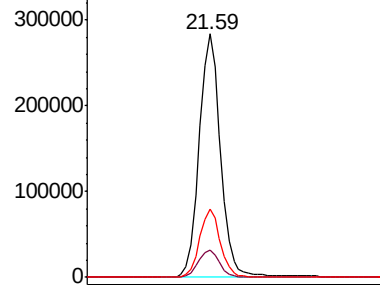
Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	28.0	22.2	33.2



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



#79

Terphenyl-d14

Concen: 54.945 ng

RT: 19.94 min Scan# 2869

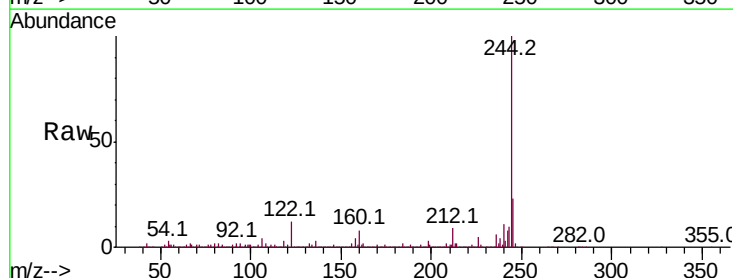
Delta R.T. -0.01 min

Lab File: BG044041.D

Acq: 14 Jan 2020 18:07

Tgt Ion:244 Resp: 1308051

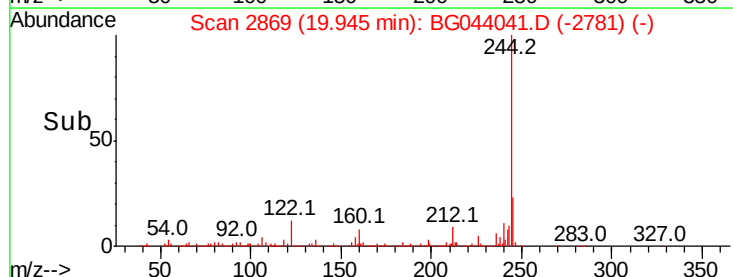
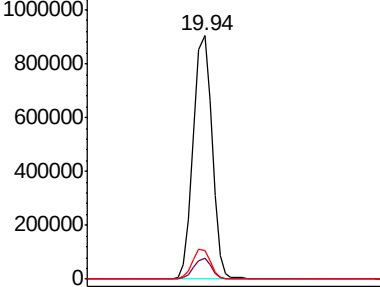
Ion	Ratio	Lower	Upper
244	100		
212	8.5	8.6	13.0#
122	11.8	11.9	17.9#

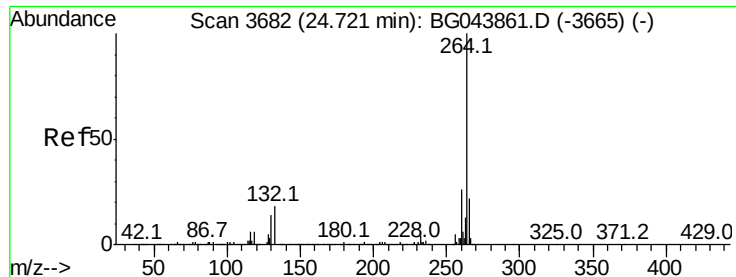


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

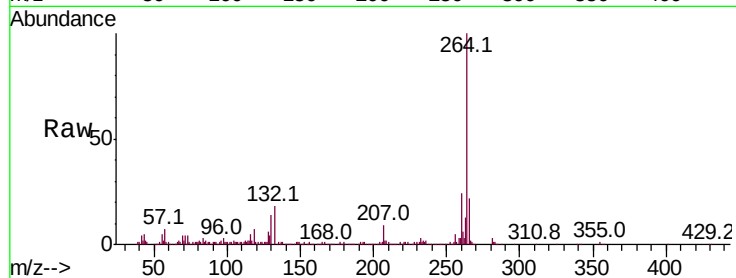




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.80 min Scan# 3696
 Delta R.T. 0.08 min
 Lab File: BG044041.D
 Acq: 14 Jan 2020 18:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.4	30.6
265	21.8	17.4	26.2



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

