

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043949.D
 Acq On : 7 Jan 2020 10:37
 Operator : JU
 Sample : PB125875BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 07 16:39:52 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

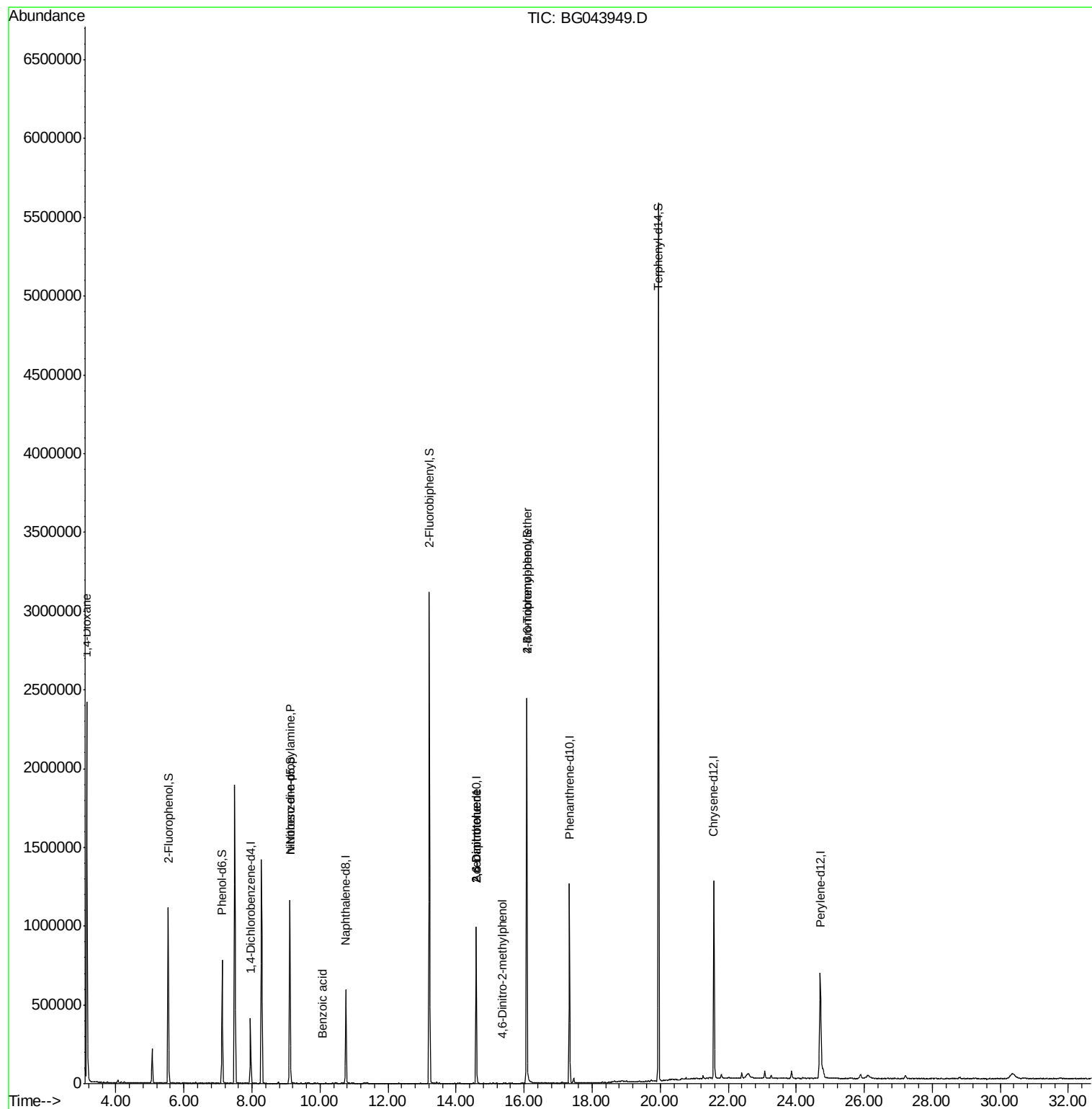
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	118331	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	523166	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	358194	20.00	ng	0.00
64) Phenanthrene-d10	17.33	188	774896	20.00	ng	0.00
76) Chrysene-d12	21.58	240	681791	20.00	ng	-0.01
87) Perylene-d12	24.71	264	747653	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	520396	80.75	ng	0.00
7) Phenol-d6	7.12	99	481037	53.40	ng	0.00
23) Nitrobenzene-d5	9.12	82	743861	76.06	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	459643	122.62	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1648239	83.37	ng	0.00
79) Terphenyl-d14	19.95	244	2374600	83.61	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	21451	7.634	ng	# 1
19) n-Nitroso-di-n-propylamine	9.12	70	96721	14.417	ng	# 76
32) Benzoic acid	10.07	122	57	6.271	ng	# 1
51) 2,6-Dinitrotoluene	14.59	165	48777	8.485	ng	# 27
57) 2,4-Dinitrotoluene	14.59	165	48777	6.236	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.36	198	65	4.405	ng	# 14
67) 4-Bromophenyl-phenylether	16.08	248	32652	3.747	ng	# 1

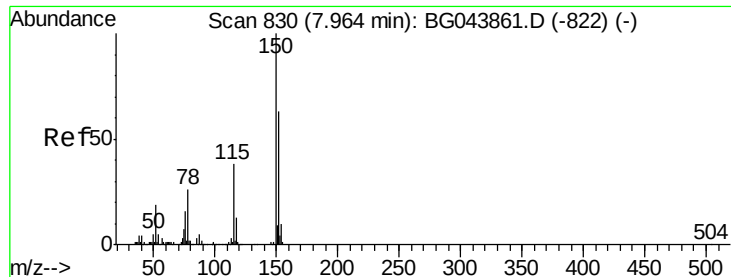
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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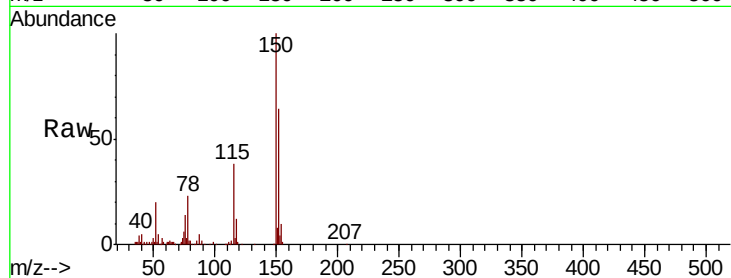


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BG043949.D
Acq: 7 Jan 2020 10:37

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.0	190.4
115	58.5	47.8	71.8

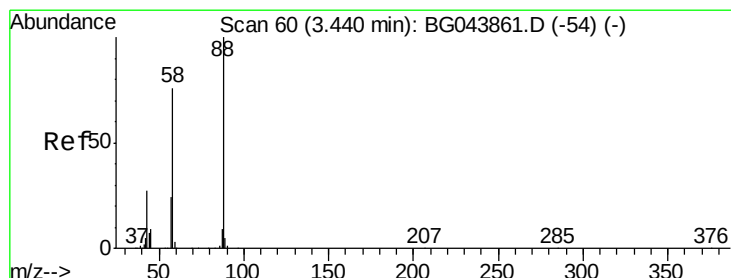
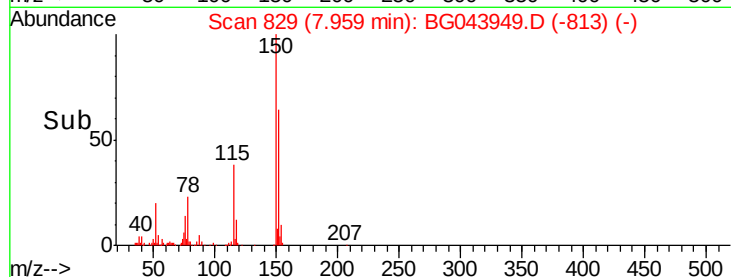
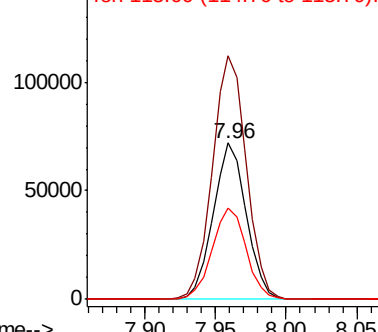


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

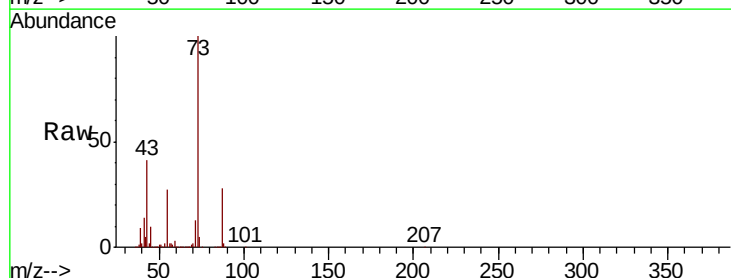
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.634 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.30 min
Lab File: BG043949.D
Acq: 7 Jan 2020 10:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.4	59.8	89.8#
43	2500.3	22.9	34.3#

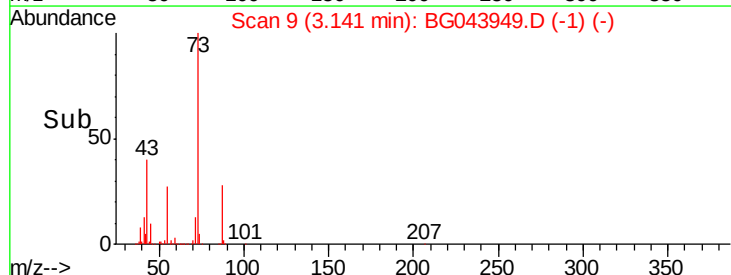
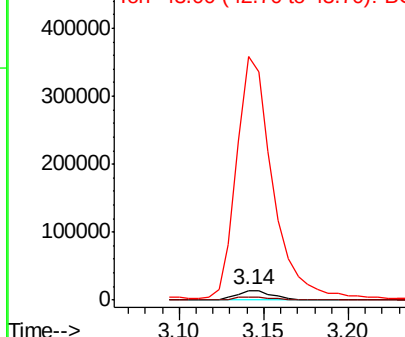


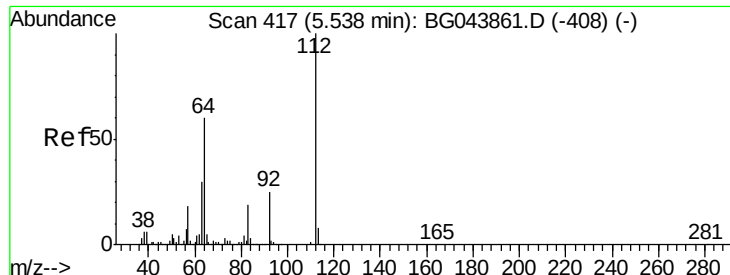
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 80.749 ng

RT: 5.54 min Scan# 417

Delta R.T. 0.00 min

Lab File: BG043949.D

Acq: 7 Jan 2020 10:37

Instrument :

BNA_G

ClientSampleId :

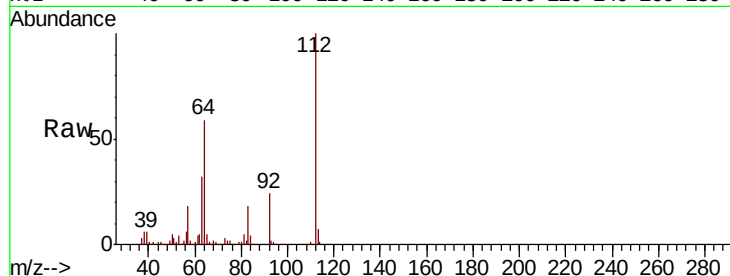
Tot Ion:112 Resp: 520396

Ion Ratio Lower Upper

112 100

64 58.8 47.8 71.6

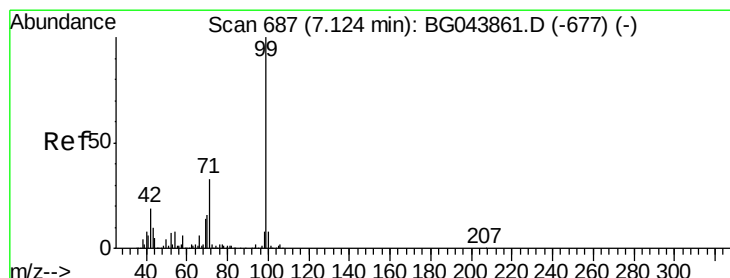
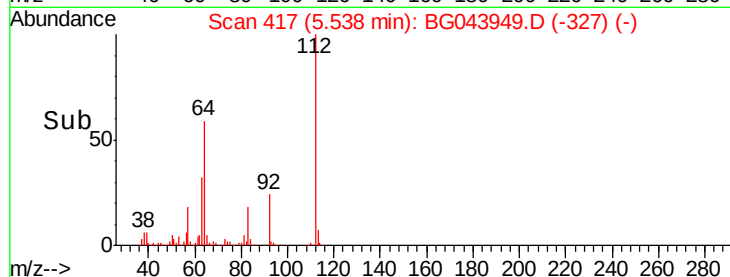
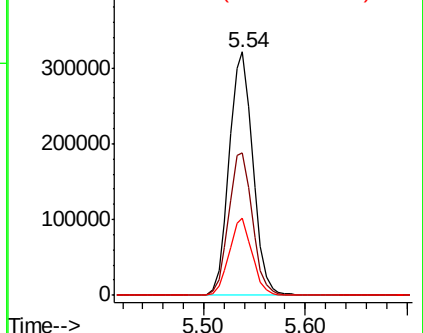
63 31.5 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 53.399 ng

RT: 7.12 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043949.D

Acq: 7 Jan 2020 10:37

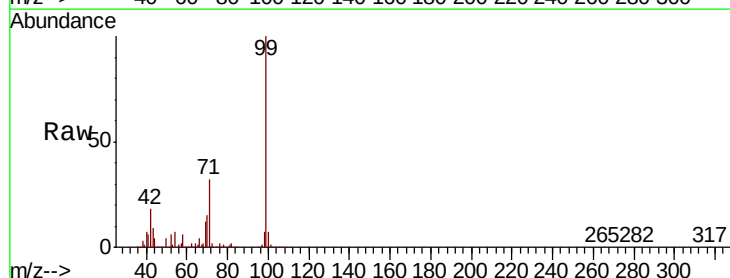
Tgt Ion: 99 Resp: 481037

Ion Ratio Lower Upper

99 100

42 18.0 14.9 22.3

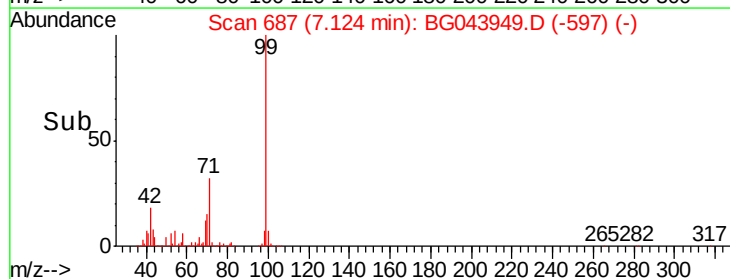
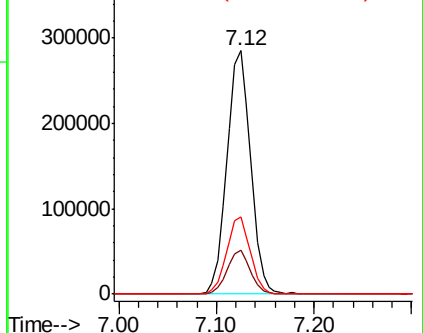
71 31.6 26.4 39.6

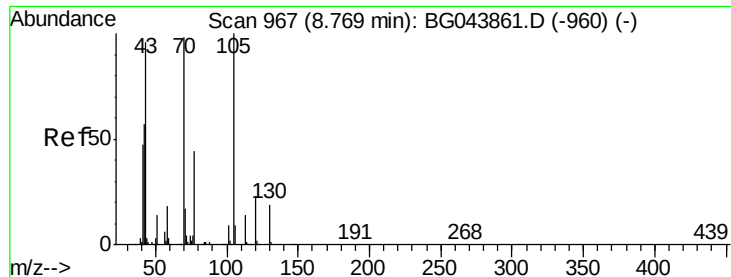


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.417 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG043949.D

Acq: 7 Jan 2020 10:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 96721

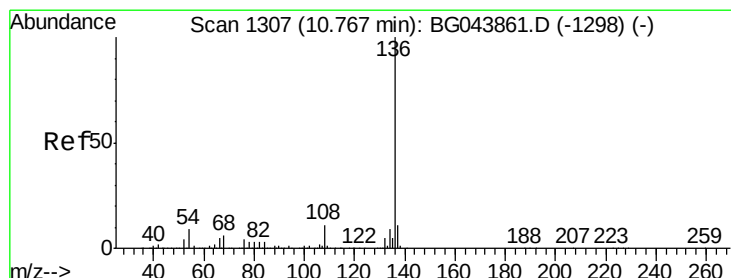
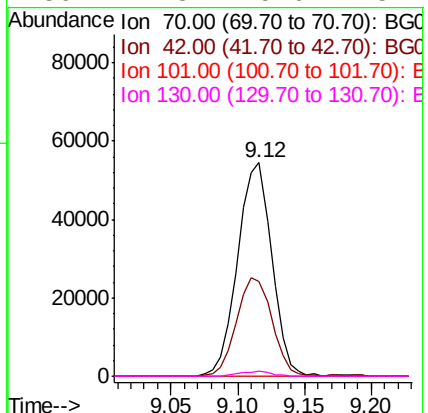
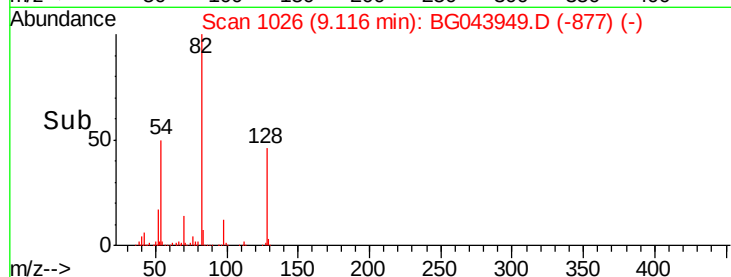
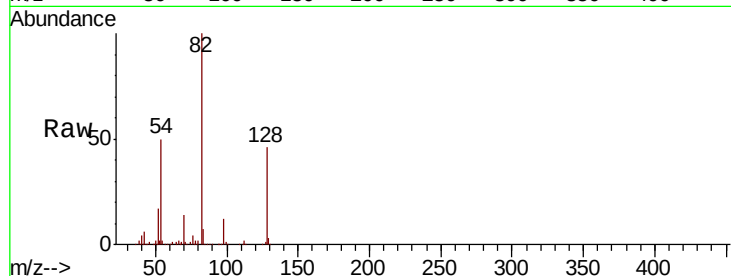
Ion Ratio Lower Upper

70 100

42 44.5 47.0 70.4#

101 0.0 7.2 10.8#

130 2.3 15.6 23.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG043949.D

Acq: 7 Jan 2020 10:37

Tgt Ion: 136 Resp: 523166

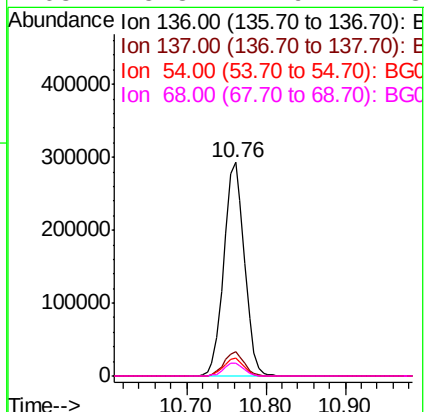
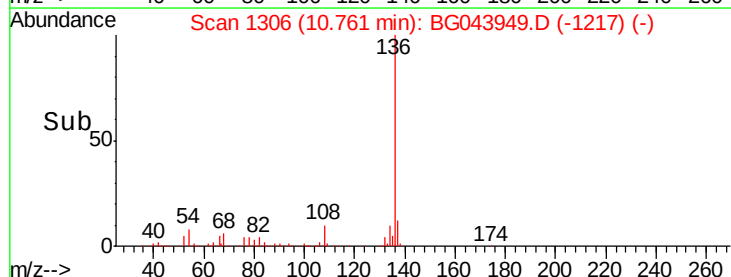
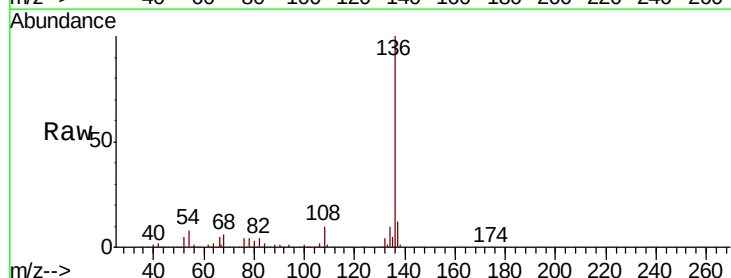
Ion Ratio Lower Upper

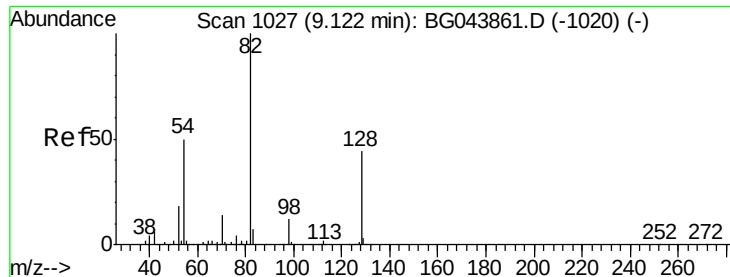
136 100

137 11.5 8.8 13.2

54 8.2 7.0 10.4

68 5.8 4.9 7.3

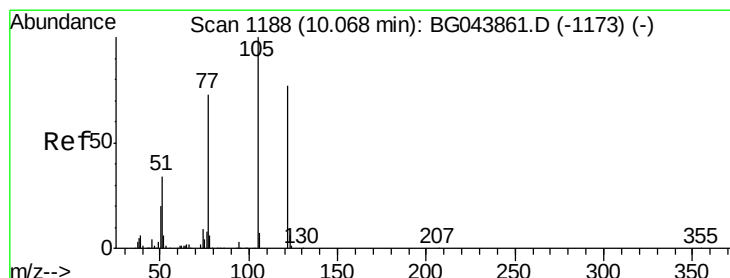
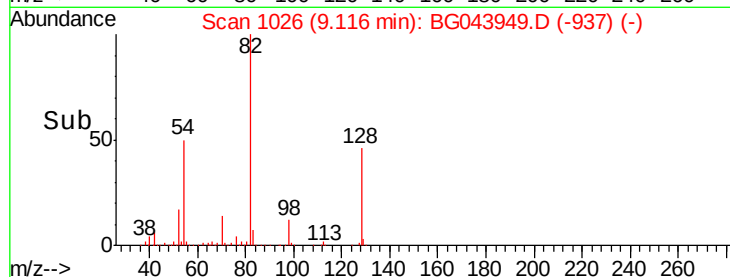
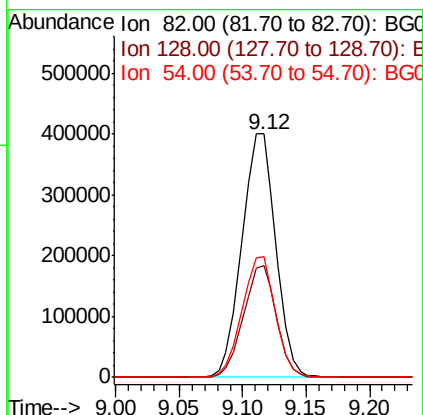
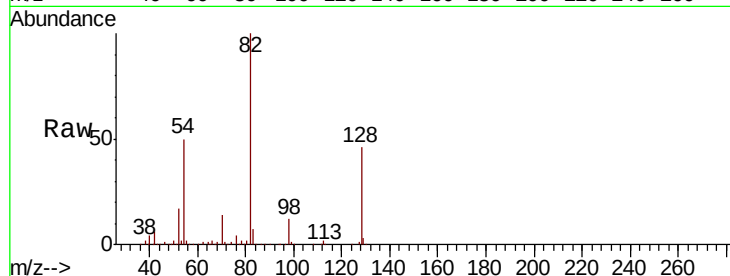




#23
 Nitrobenzene-d5
 Concen: 76.063 ng
 RT: 9.12 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BG043949.D
 Acq: 7 Jan 2020 10:37

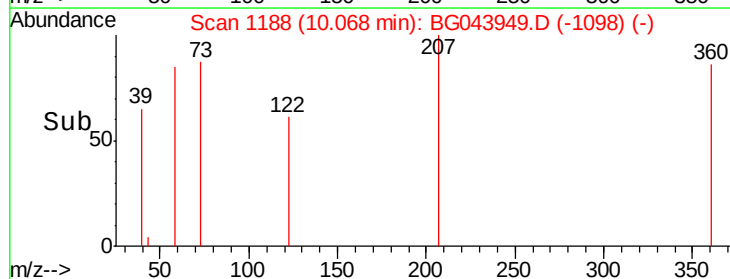
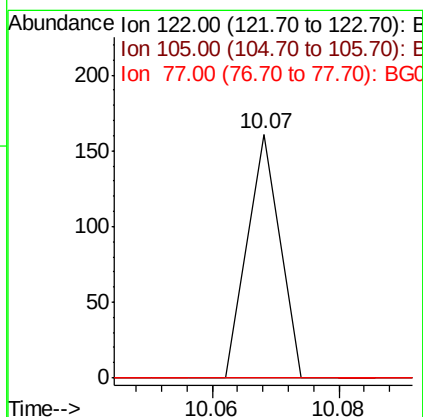
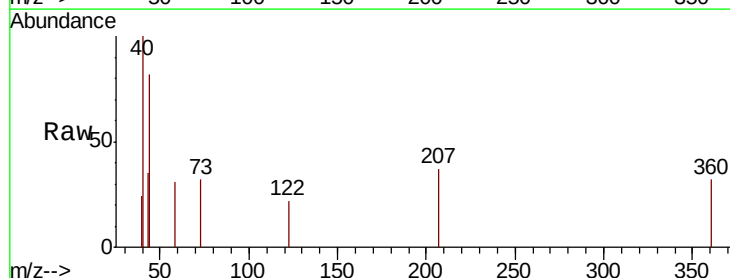
Instrument :
 BNA_G
 ClientSampleId :

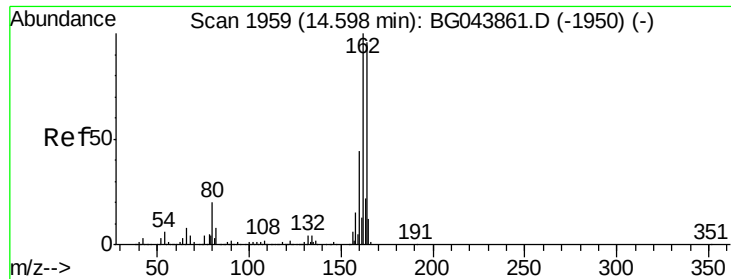
Tot Ion	82	Resp	743861
Ion Ratio	100	Lower	Upper
128	45.9	35.1	52.7
54	49.7	40.1	60.1



#32
 Benzoic acid
 Concen: 6.271 ng
 RT: 10.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BG043949.D
 Acq: 7 Jan 2020 10:37

Tgt Ion	122	Resp	57
Ion Ratio	100	Lower	Upper
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# 1958

Delta R.T. -0.01 min

Lab File: BG043949.D

Acq: 7 Jan 2020 10:37

Instrument :

BNA_G

ClientSampleId :

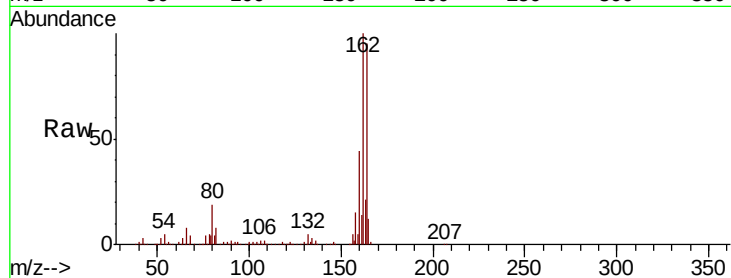
Tot Ion:164 Resp: 358194

Ion Ratio Lower Upper

164 100

162 105.6 83.0 124.4

160 46.0 36.1 54.1

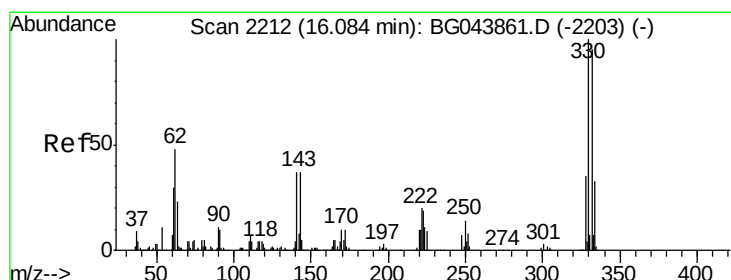
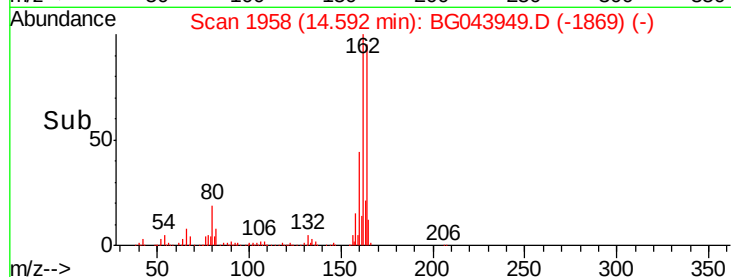
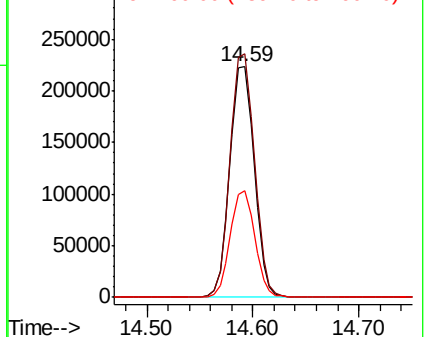


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 122.623 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043949.D

Acq: 7 Jan 2020 10:37

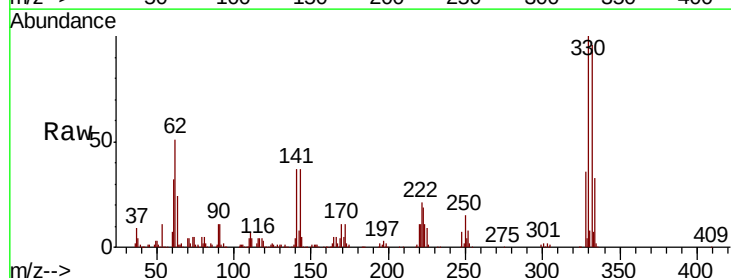
Tgt Ion:330 Resp: 459643

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

141 39.6 33.1 49.7

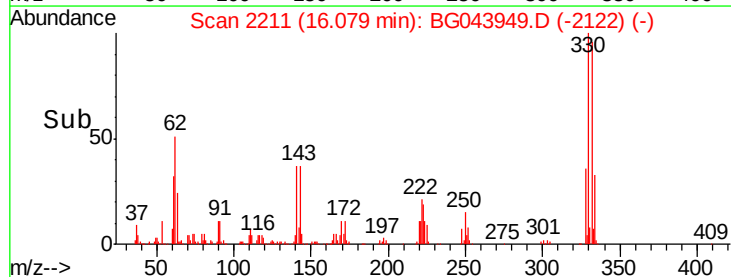
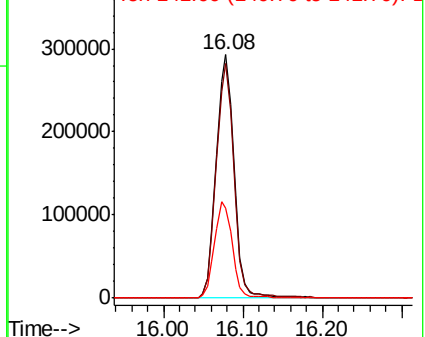


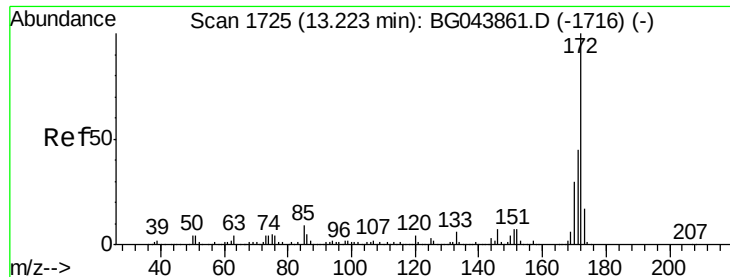
Abundance

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

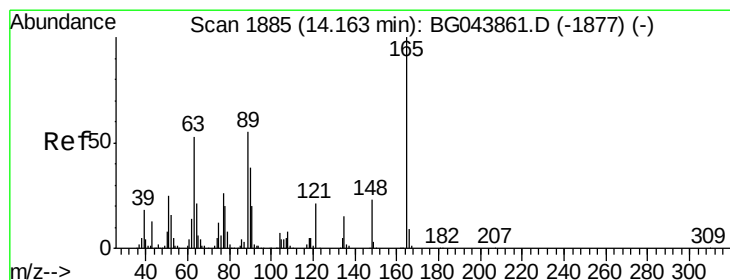
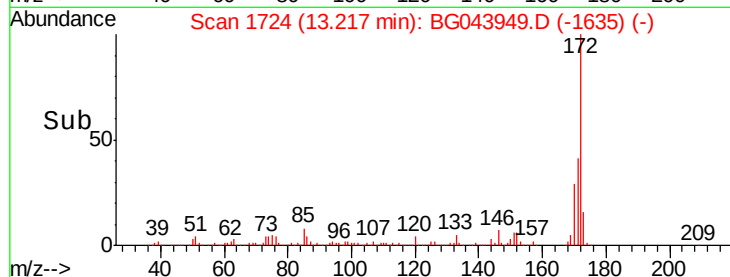
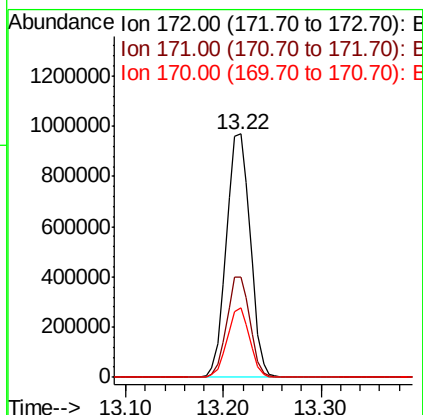
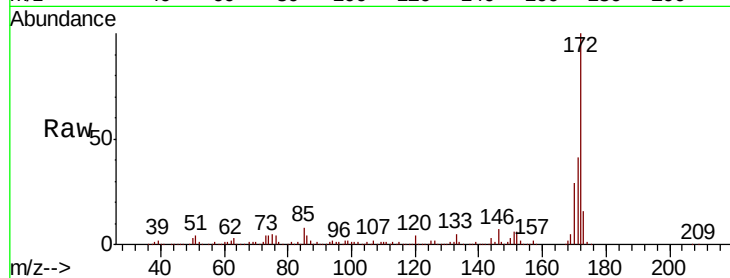




#45
2-Fluorobiphenyl
Concen: 83.369 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BG043949.D
Acq: 7 Jan 2020 10:37

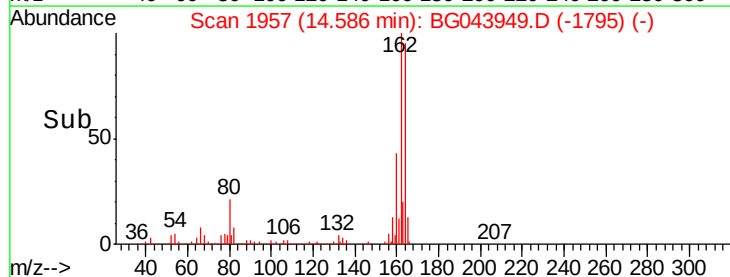
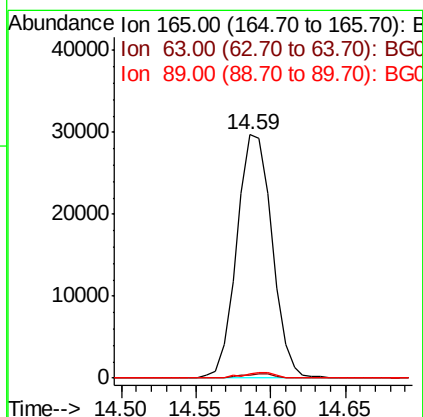
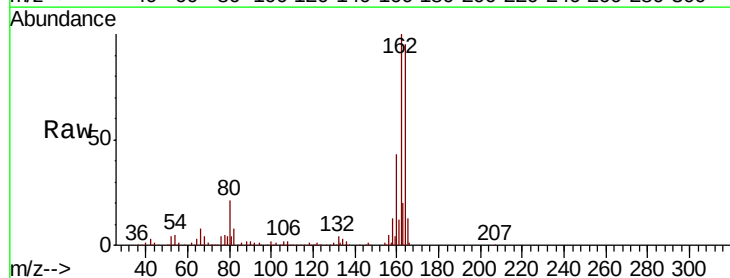
Instrument :
BNA_G
ClientSampleId :

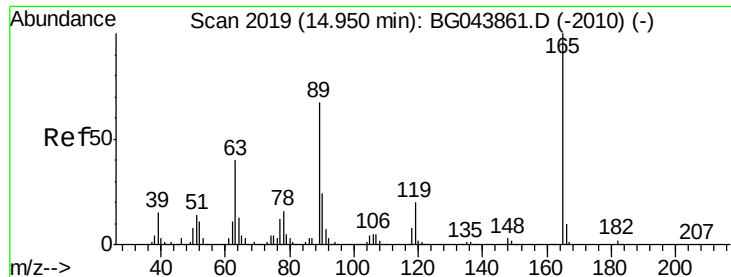
Tot Ion:172 Resp: 1648239
Ion Ratio Lower Upper
172 100
171 41.4 35.8 53.8
170 28.7 24.2 36.4



#51
2,6-Dinitrotoluene
Concen: 8.485 ng
RT: 14.59 min Scan# 1957
Delta R.T. 0.42 min
Lab File: BG043949.D
Acq: 7 Jan 2020 10:37

Tgt Ion:165 Resp: 48777
Ion Ratio Lower Upper
165 100
63 1.3 43.1 64.7#
89 1.8 43.8 65.6#

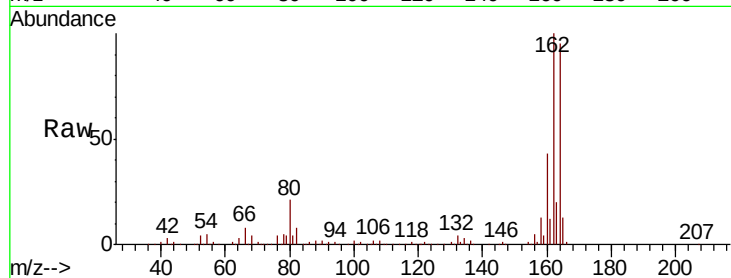




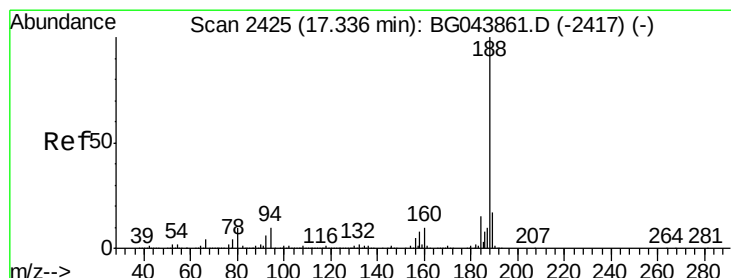
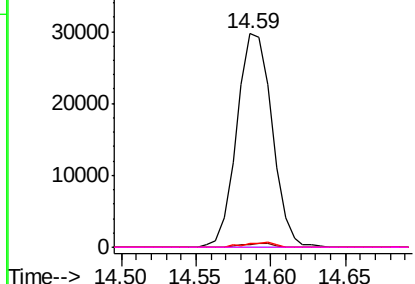
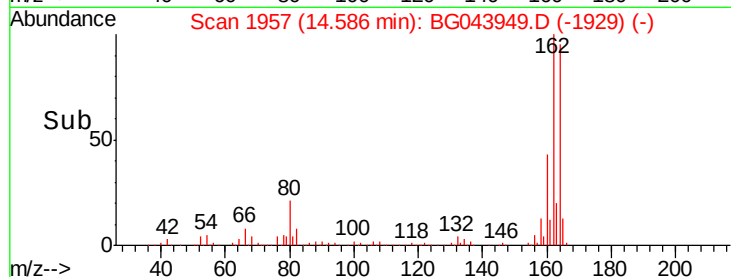
#57
 2,4-Dinitrotoluene
 Concen: 6.236 ng
 RT: 14.59 min Scan# 1957
 Delta R.T. -0.36 min
 Lab File: BG043949.D
 Acq: 7 Jan 2020 10:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	1.8	53.8	80.6#
182	0.0	2.0	3.0#

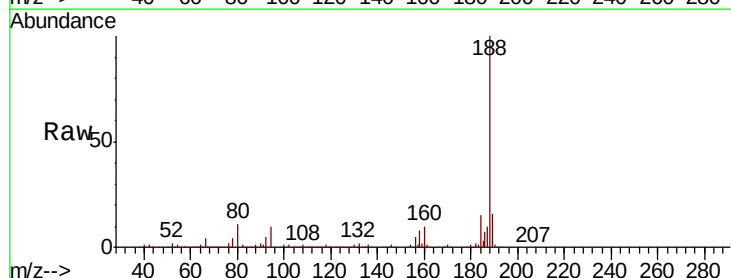


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

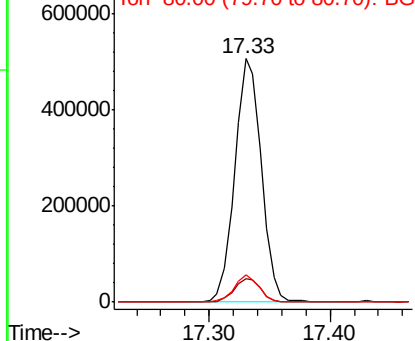
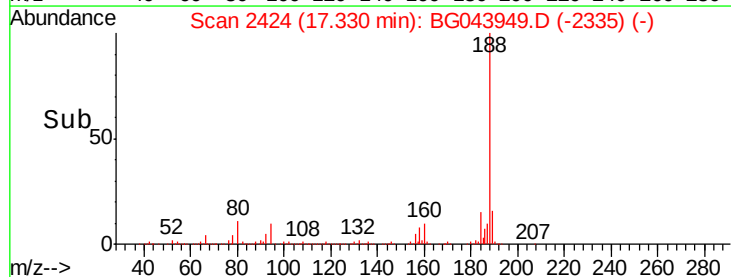


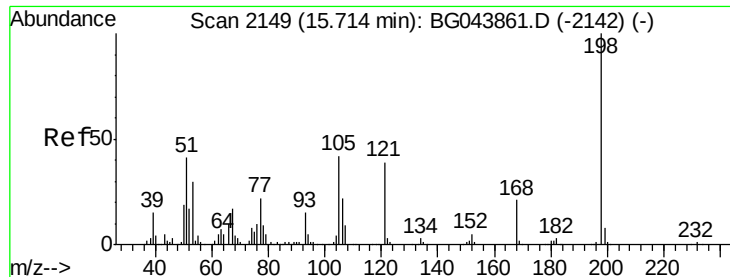
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.33 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BG043949.D
 Acq: 7 Jan 2020 10:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.9	11.9
80	11.2	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

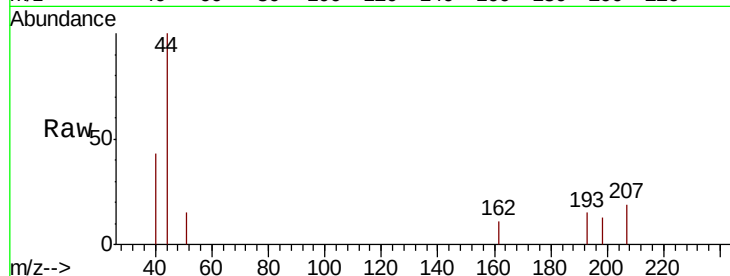




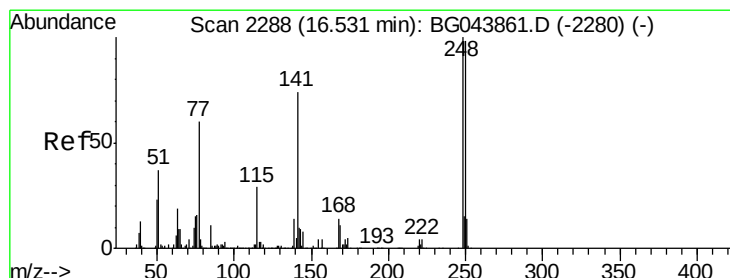
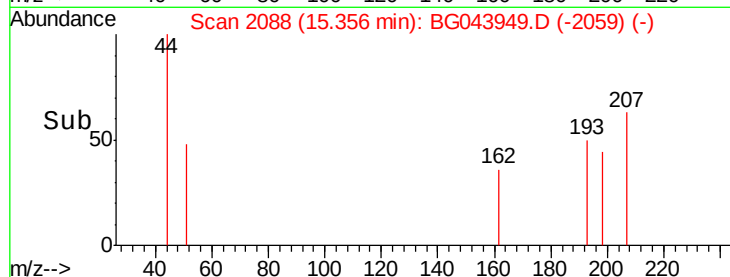
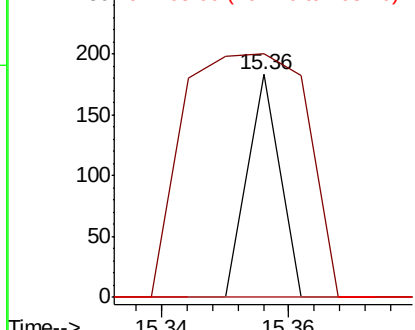
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.405 ng
 RT: 15.36 min Scan# 2088
 Delta R.T. -0.36 min
 Lab File: BG043949.D
 Acq: 7 Jan 2020 10:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 65
 Ion Ratio Lower Upper
 198 100
 51 109.3 22.5 62.5#
 105 0.0 22.3 62.3#

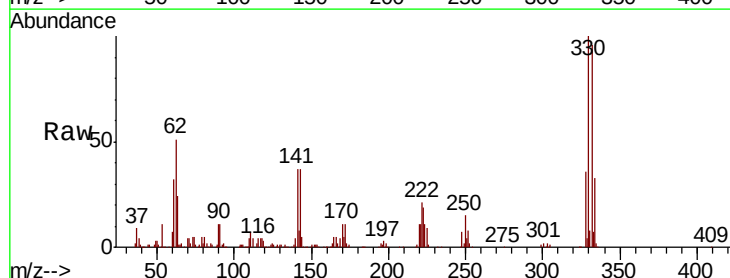


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

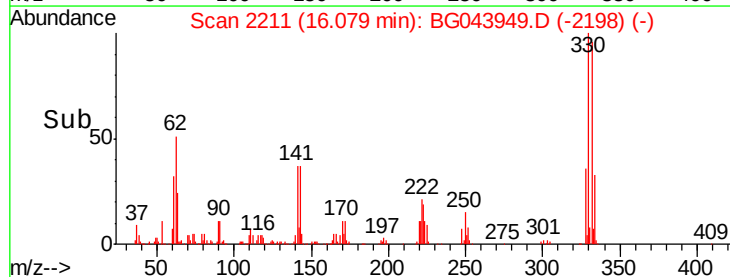
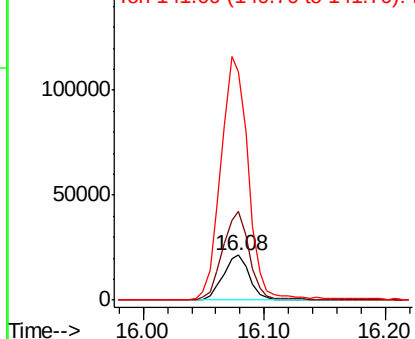


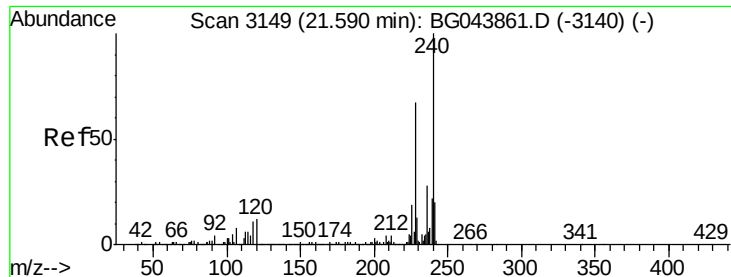
#67
 4-Bromophenyl-phenylether
 Concen: 3.747 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043949.D
 Acq: 7 Jan 2020 10:37

Tgt Ion:248 Resp: 32652
 Ion Ratio Lower Upper
 248 100
 250 199.7 78.2 117.2#
 141 510.6 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

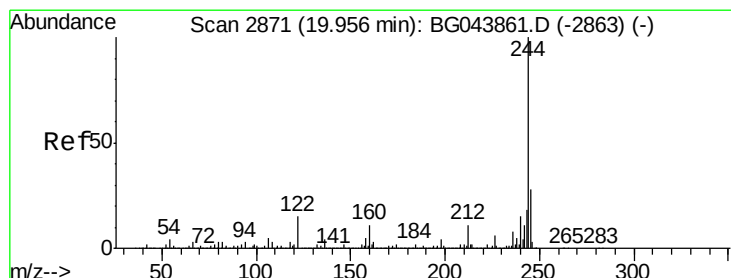
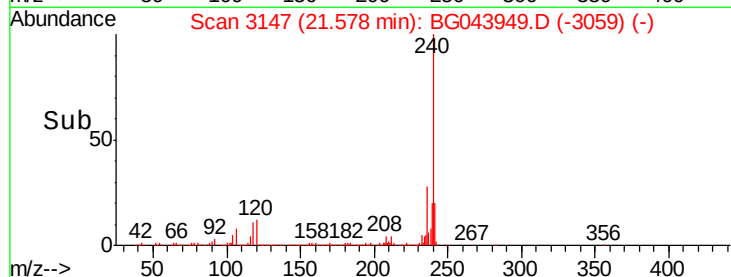
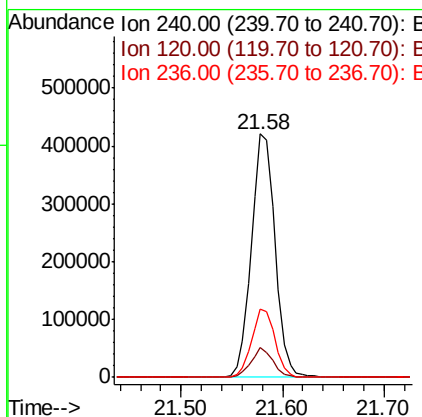
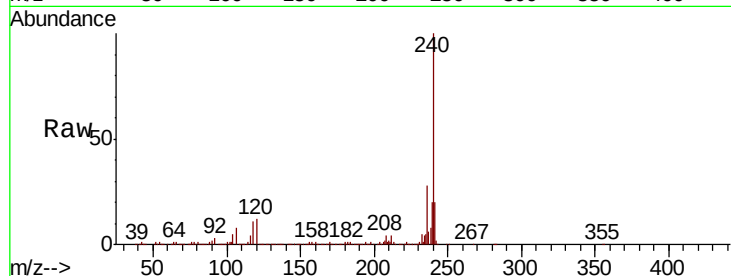




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG043949.D
Acq: 7 Jan 2020 10:37

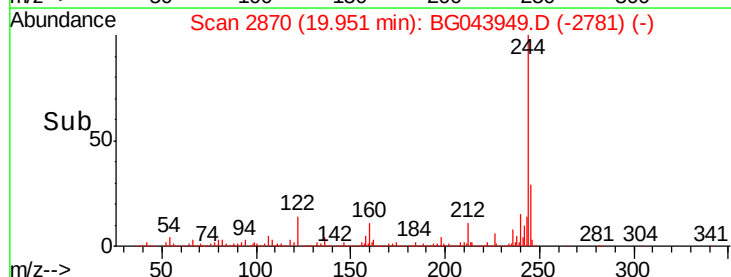
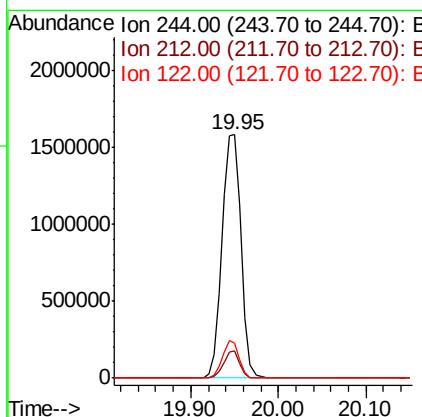
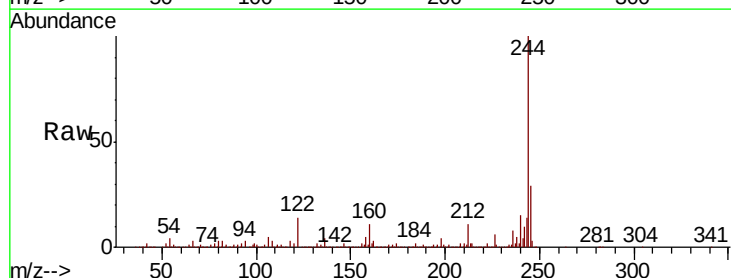
Instrument :
BNA_G
ClientSampled :

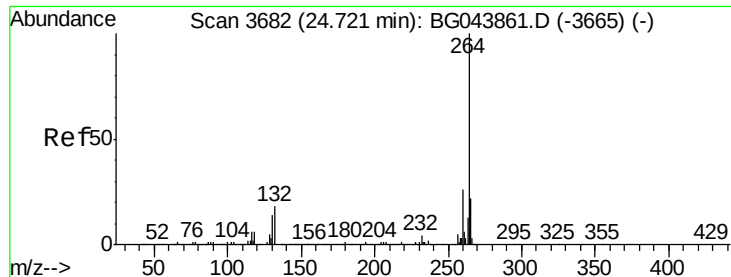
Tot Ion:240 Resp: 681791
Ion Ratio Lower Upper
240 100
120 12.2 9.6 14.4
236 28.2 22.2 33.2



#79
Terphenyl-d14
Concen: 83.611 ng
RT: 19.95 min Scan# 2870
Delta R.T. -0.01 min
Lab File: BG043949.D
Acq: 7 Jan 2020 10:37

Tgt Ion:244 Resp: 2374600
Ion Ratio Lower Upper
244 100
212 11.1 8.6 13.0
122 14.4 11.9 17.9





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043949.D
Acq: 7 Jan 2020 10:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	21.2	17.4	26.2

