

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044049.D
 Acq On : 14 Jan 2020 23:21
 Operator : JU
 Sample : L1004-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 15 00:09:45 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

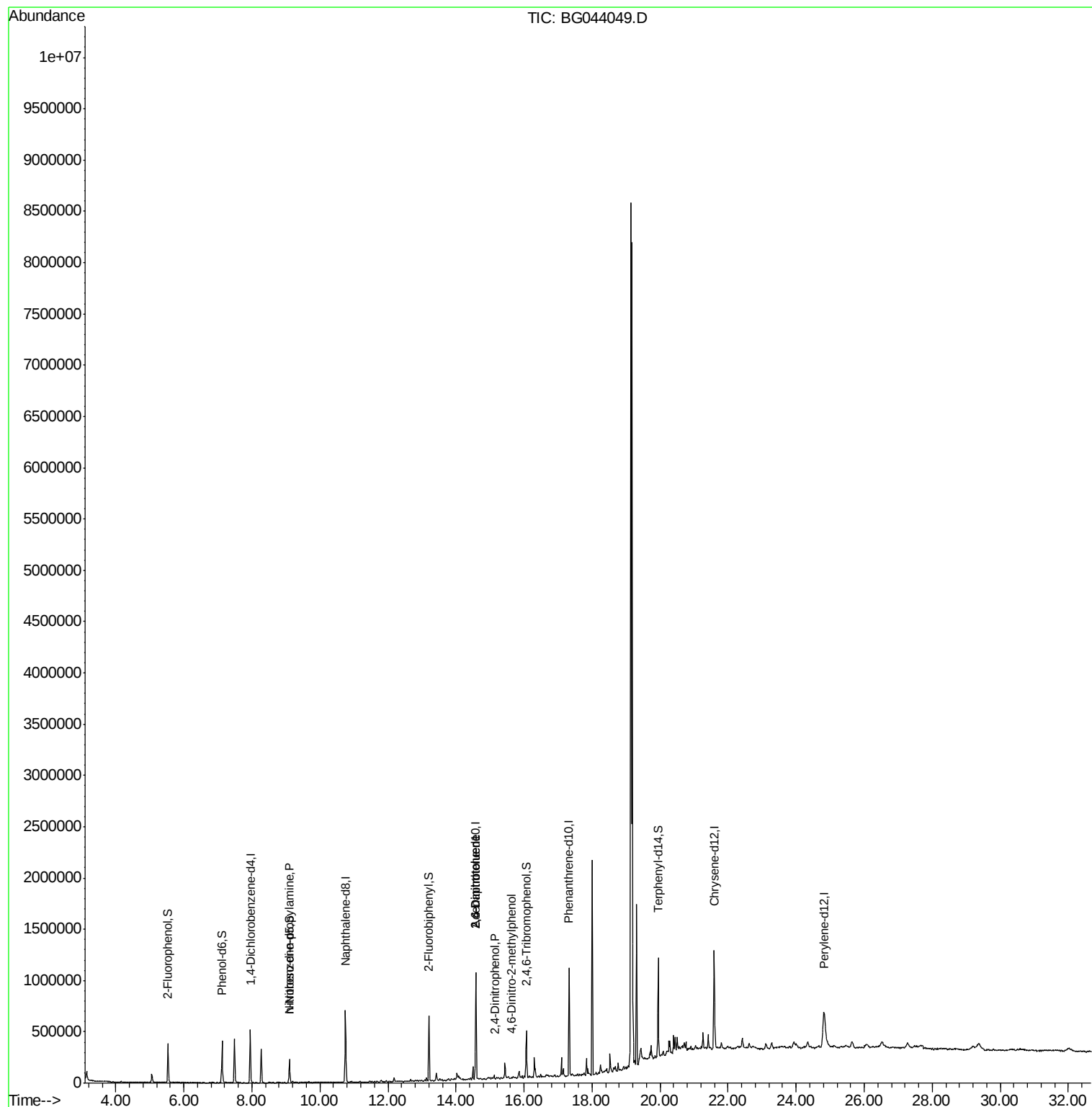
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	152482	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	623466	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	360672	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	682078	20.00	ng	0.00
76) Chrysene-d12	21.59	240	573113	20.00	ng	0.00
87) Perylene-d12	24.83	264	659340	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	197634	23.80	ng	0.00
7) Phenol-d6	7.12	99	275742	23.75	ng	0.00
23) Nitrobenzene-d5	9.10	82	154822	13.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	77575	20.55	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	348900	17.53	ng	-0.02
79) Terphenyl-d14	19.94	244	419719	8.77	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	20014	2.315	ng	# 71
51) 2,6-Dinitrotoluene	14.58	165	49496	8.551	ng	# 27
54) 2,4-Dinitrophenol	15.15	184	69	5.505	ng	# 20
57) 2,4-Dinitrotoluene	14.58	165	49496	6.284	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.64	198	53	4.403	ng	# 1

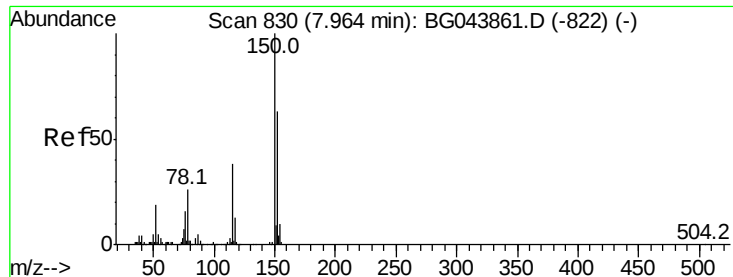
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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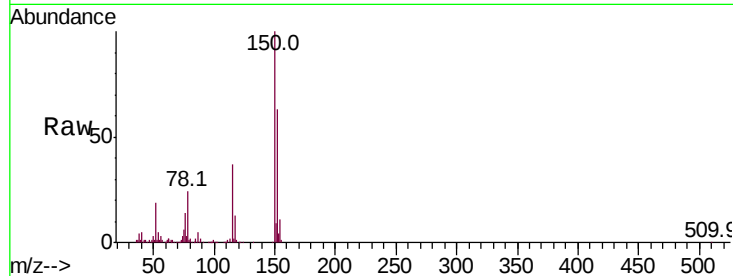


#1

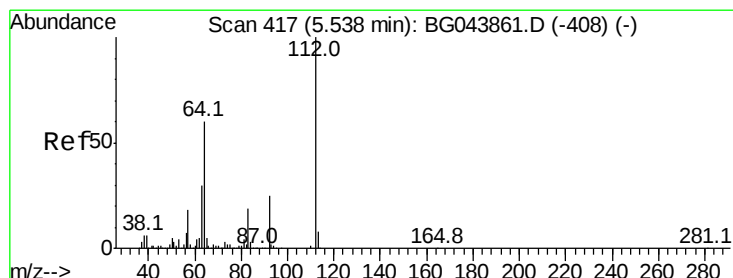
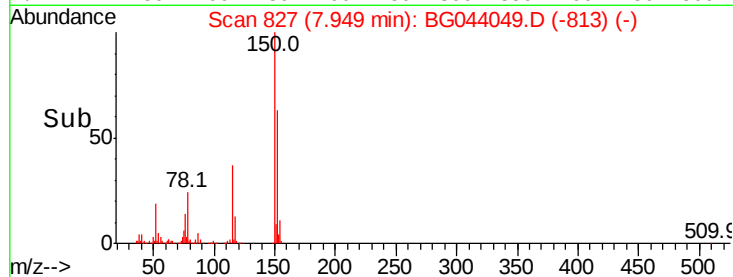
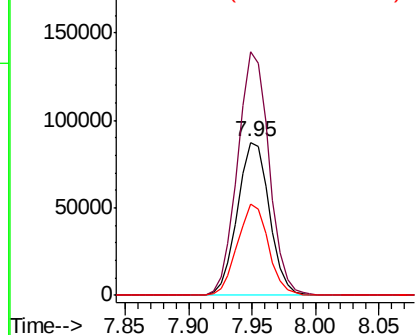
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044049.D
Acq: 14 Jan 2020 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.0	190.4
115	59.2	47.8	71.8



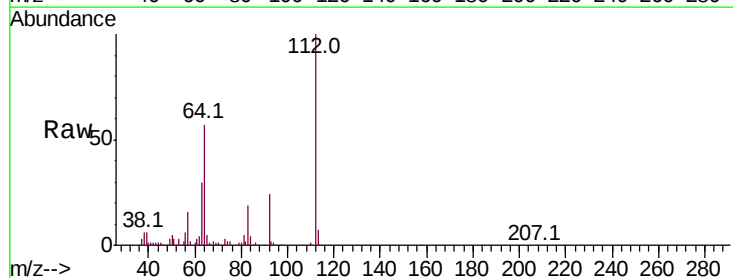
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



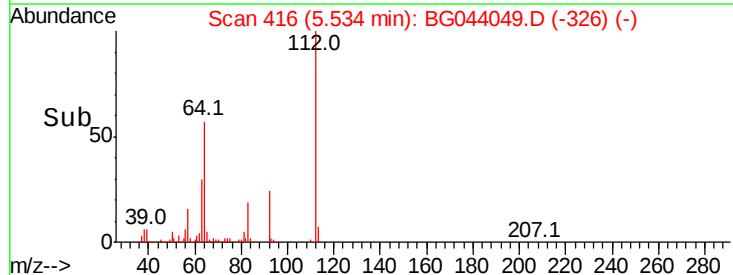
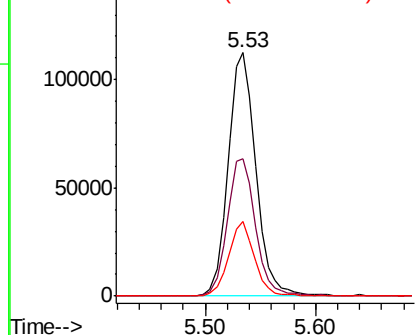
#5

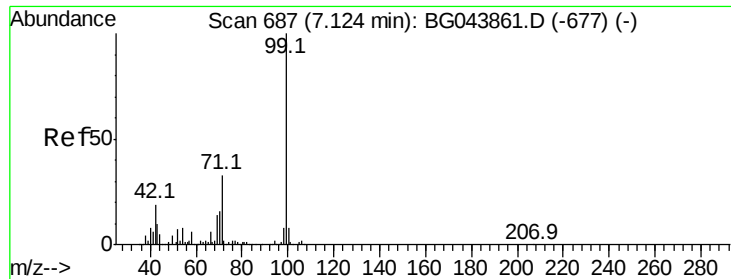
2-Fluorophenol
Concen: 23.798 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG044049.D
Acq: 14 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.8	71.6
63	30.5	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: 23.754 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

Instrument :

BNA_G

ClientSampleId :

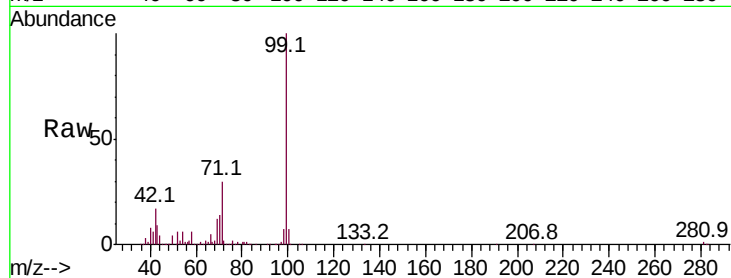
Tot Ion: 99 Resp: 275742

Ion Ratio Lower Upper

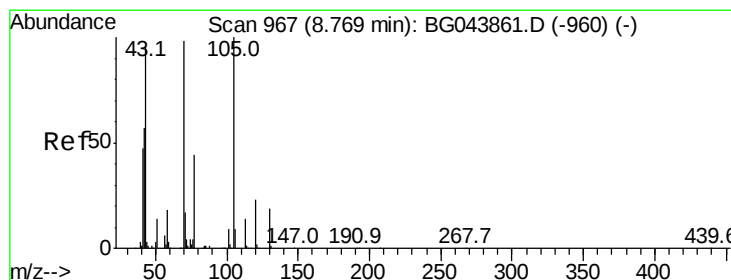
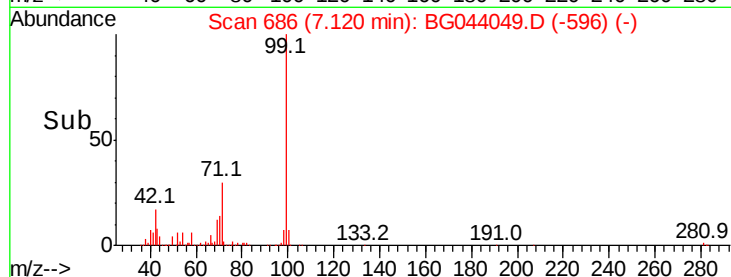
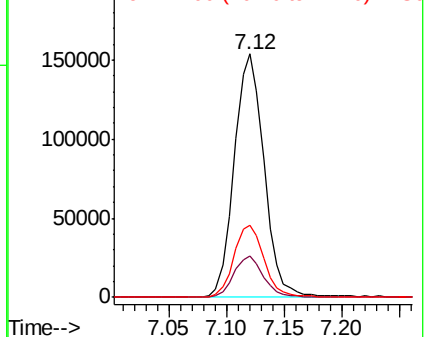
99 100

42 16.8 14.9 22.3

71 29.8 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: 2.315 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

Tgt Ion: 70 Resp: 20014

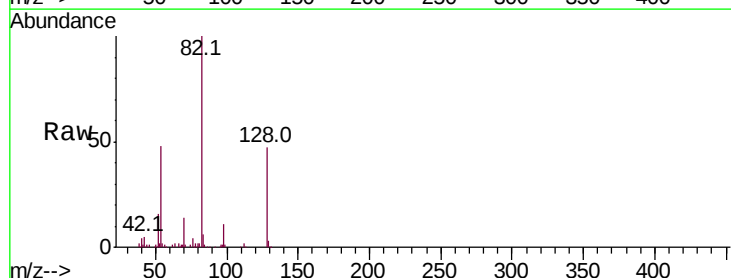
Ion Ratio Lower Upper

70 100

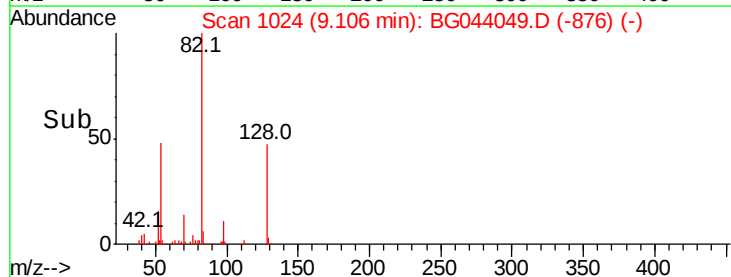
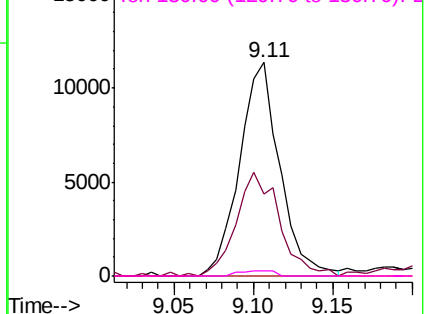
42 38.3 47.0 70.4#

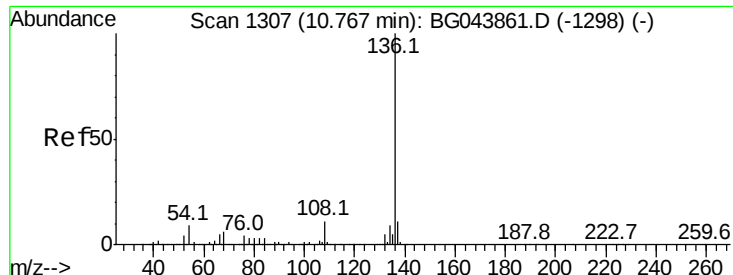
101 0.0 7.2 10.8#

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# 1304

Delta R.T. -0.02 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 623466

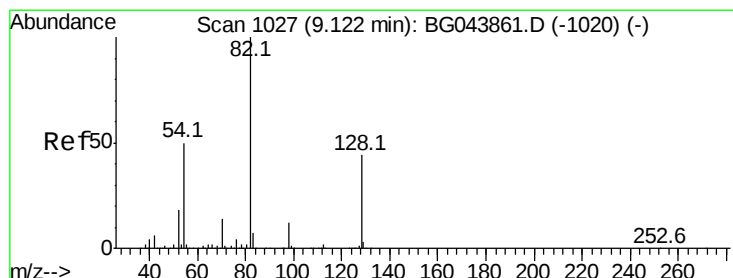
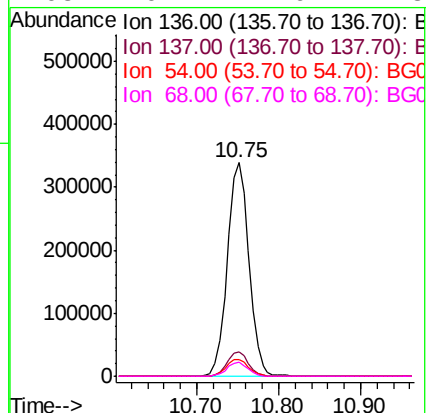
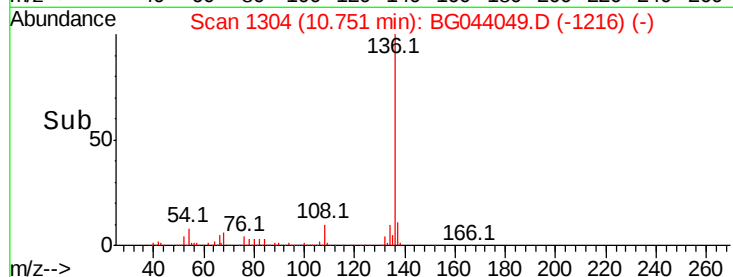
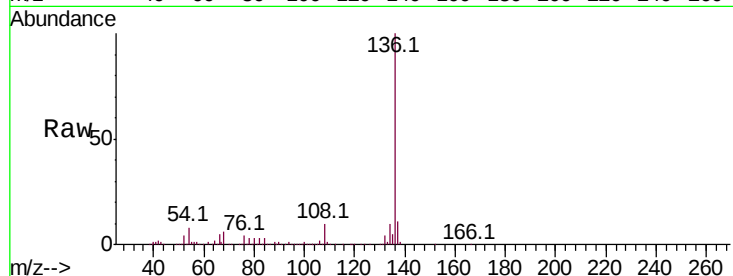
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 7.8 7.0 10.4

68 6.4 4.9 7.3



#23

Nitrobenzene-d5

Concen: 13.284 ng

RT: 9.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

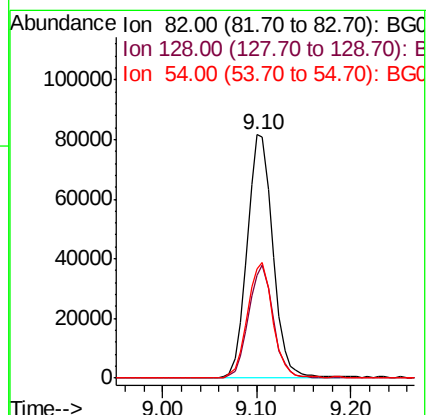
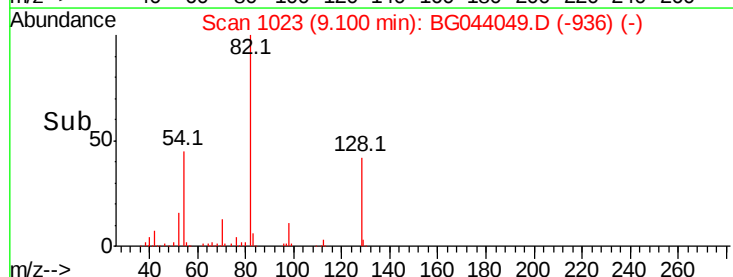
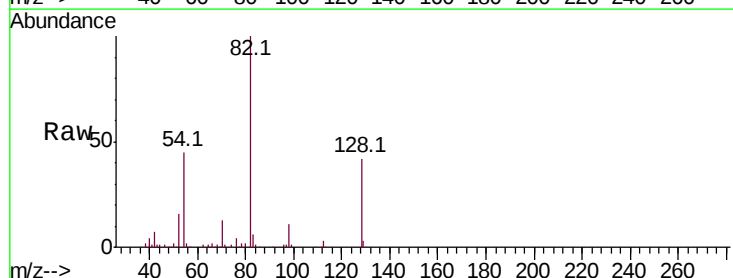
Tgt Ion: 82 Resp: 154822

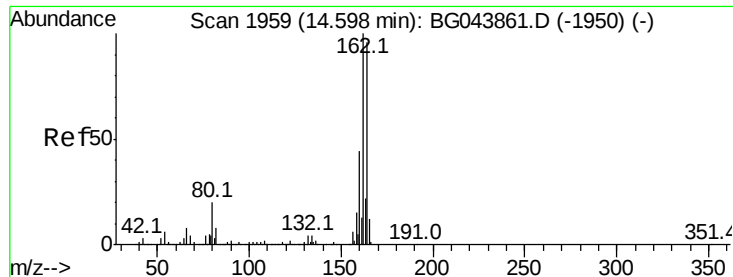
Ion Ratio Lower Upper

82 100

128 42.2 35.1 52.7

54 44.8 40.1 60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

Instrument :

BNA_G

ClientSampleId :

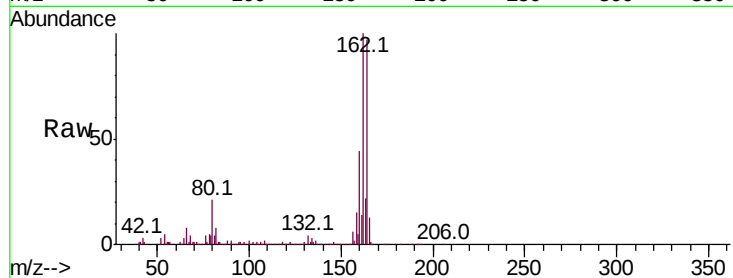
Tot Ion:164 Resp: 360672

Ion Ratio Lower Upper

164 100

162 103.5 83.0 124.4

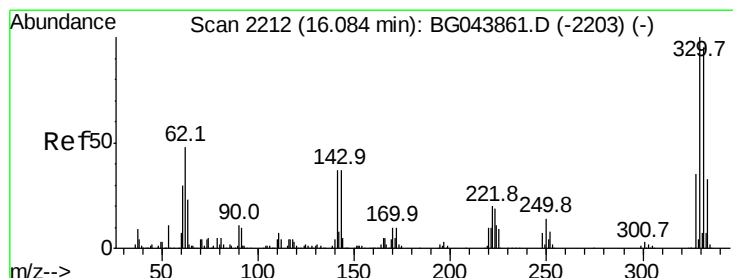
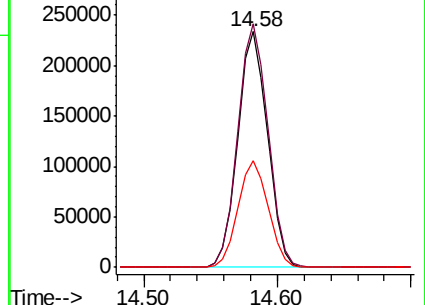
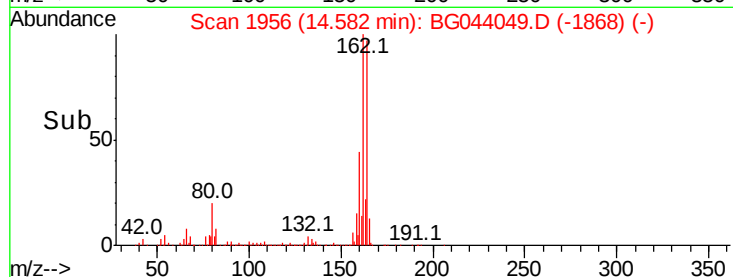
160 45.4 36.1 54.1



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: 20.553 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

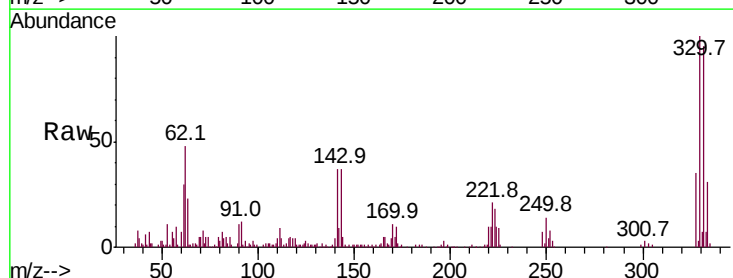
Tgt Ion:330 Resp: 77575

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

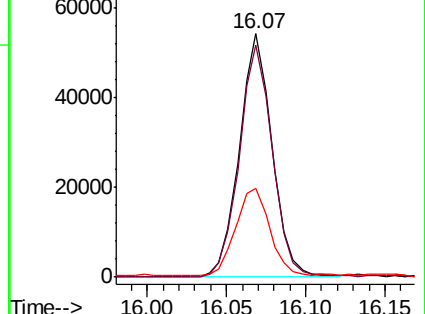
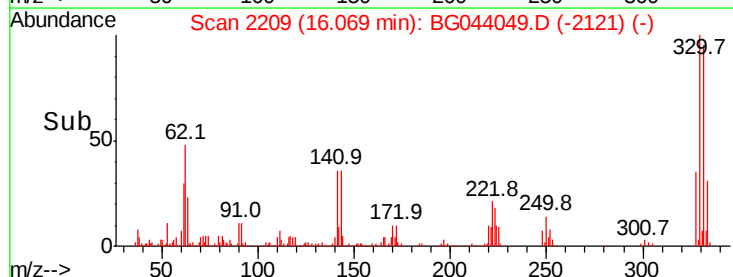
141 37.2 33.1 49.7

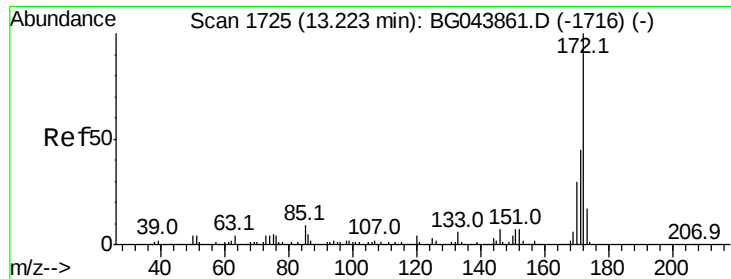


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

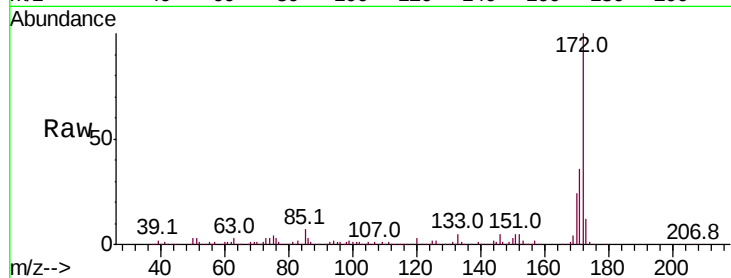




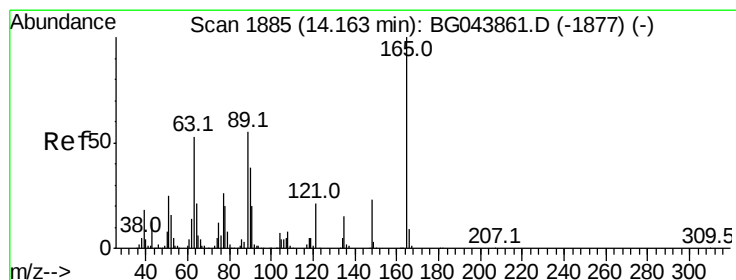
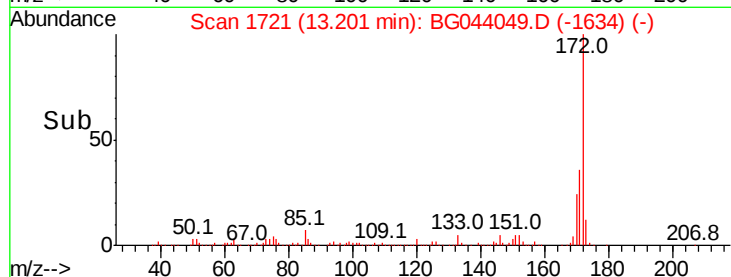
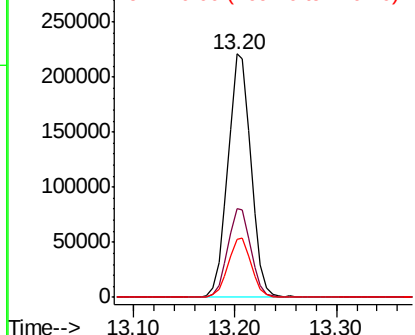
#45
 2-Fluorobiphenyl
 Concen: 17.526 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044049.D
 Acq: 14 Jan 2020 23:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	35.8	53.8
170	23.7	24.2	36.4#

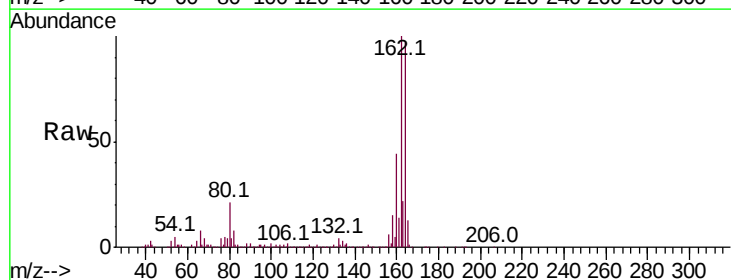


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

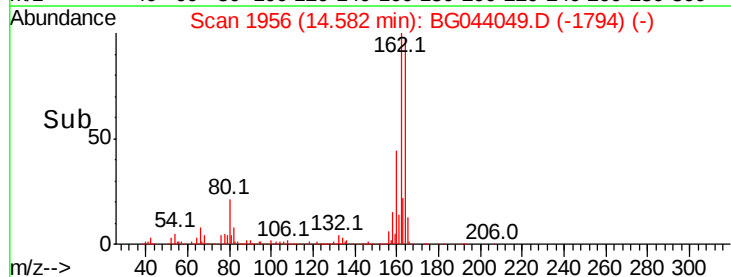
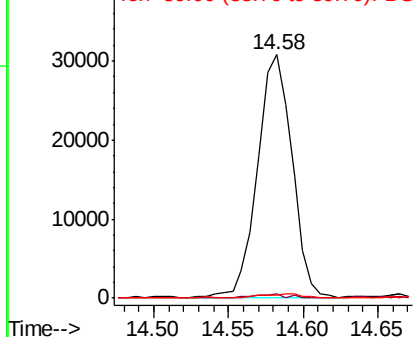


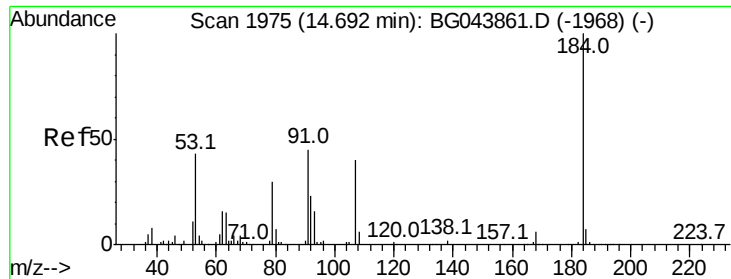
#51
 2,6-Dinitrotoluene
 Concen: 8.551 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. 0.42 min
 Lab File: BG044049.D
 Acq: 14 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.1	64.7#
89	1.5	43.8	65.6#



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

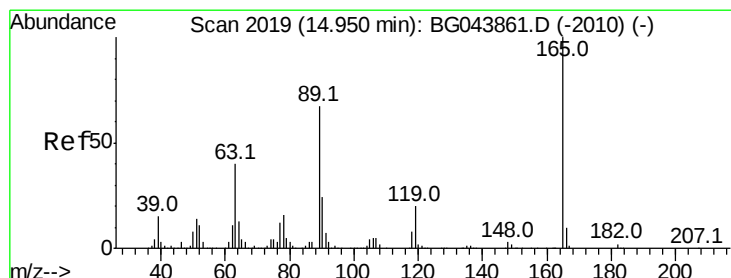
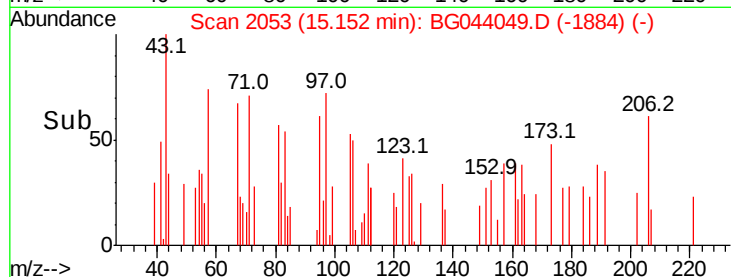
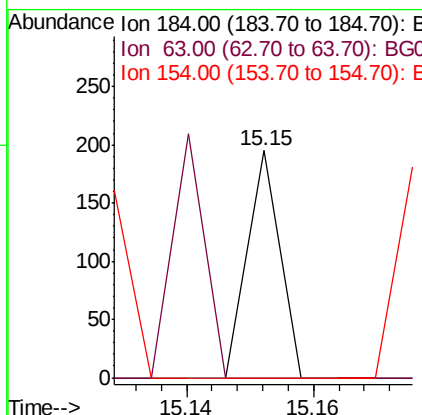
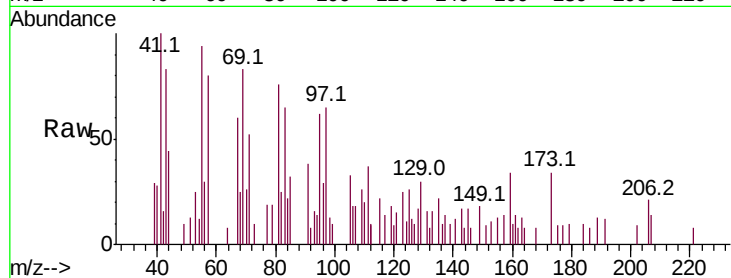




#54
2,4-Dinitrophenol
Concen: 5.505 ng
RT: 15.15 min Scan# 2053
Delta R.T. 0.46 min
Lab File: BG044049.D
Acq: 14 Jan 2020 23:21

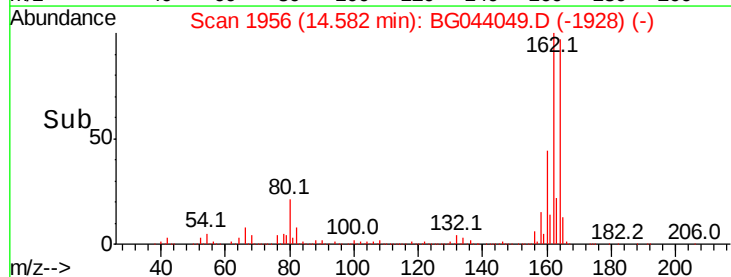
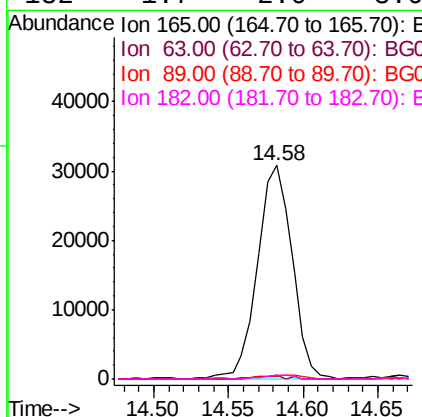
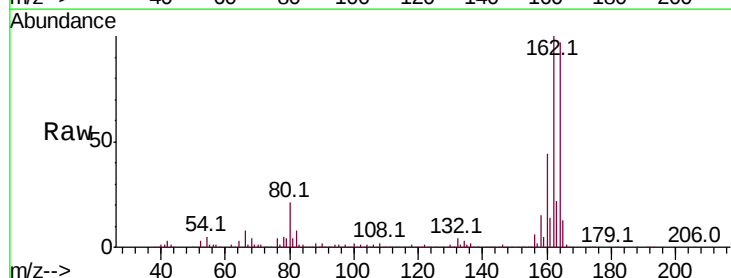
Instrument :
BNA_G
ClientSampleId :

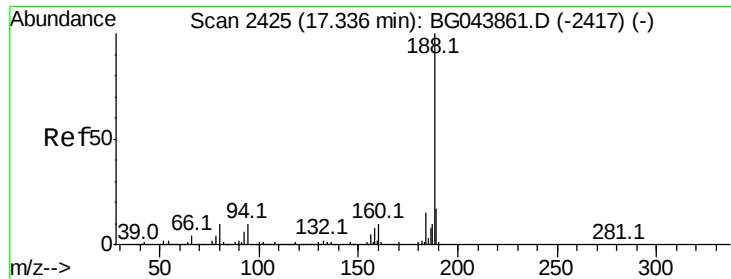
Tot Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 0.0 46.6 70.0#
154 0.0 50.2 75.4#



#57
2,4-Dinitrotoluene
Concen: 6.284 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.37 min
Lab File: BG044049.D
Acq: 14 Jan 2020 23:21

Tgt Ion:165 Resp: 49496
Ion Ratio Lower Upper
165 100
63 1.6 31.9 47.9#
89 1.5 53.8 80.6#
182 1.7 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

Instrument :

BNA_G

ClientSampleId :

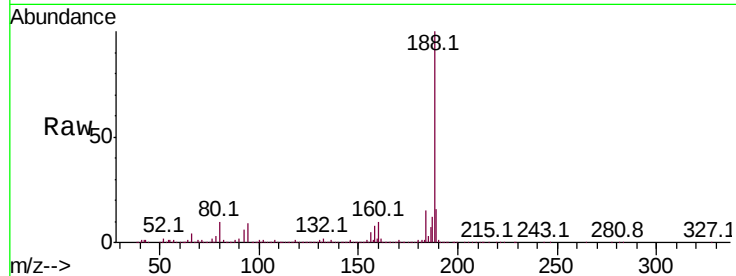
Tot Ion:188 Resp: 682078

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

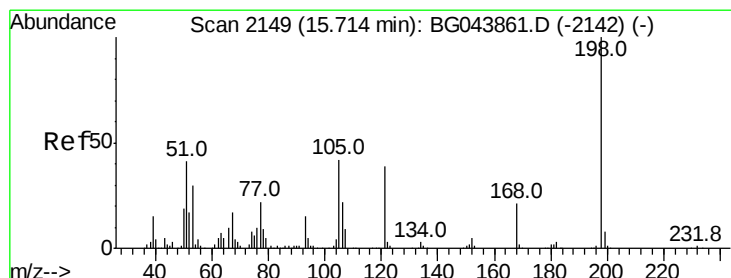
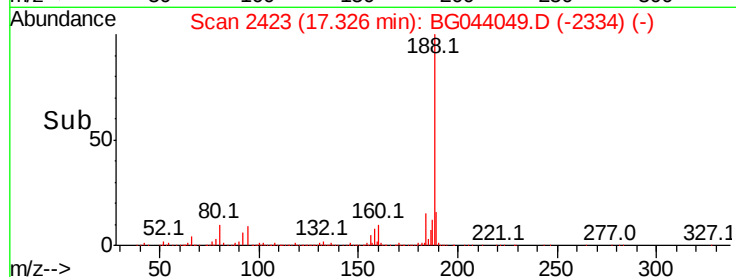
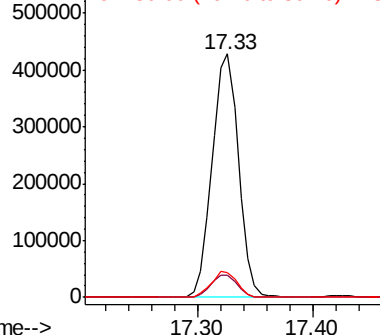
80 10.4 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.403 ng

RT: 15.64 min Scan# 2136

Delta R.T. -0.07 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

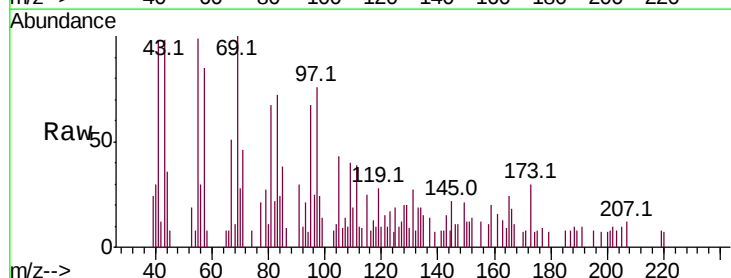
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 22.5 62.5#

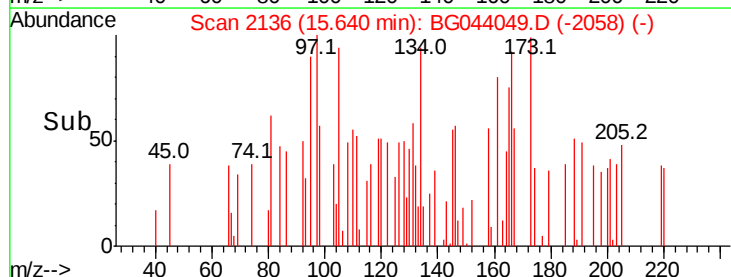
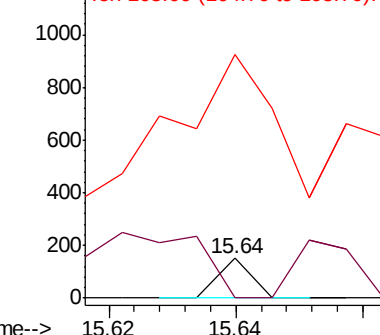
105 611.9 22.3 62.3#

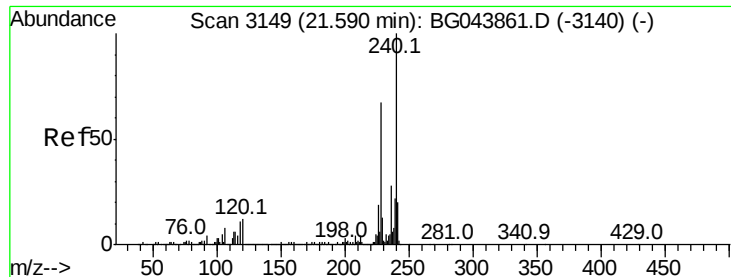


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.59 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

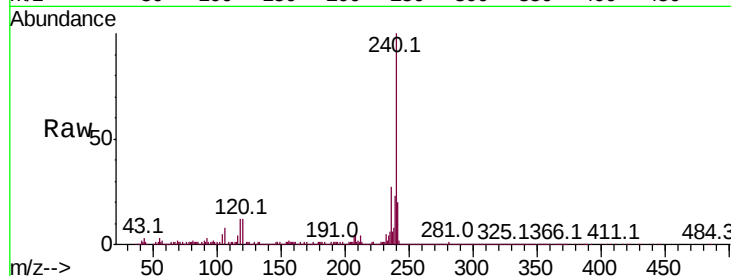
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 573113

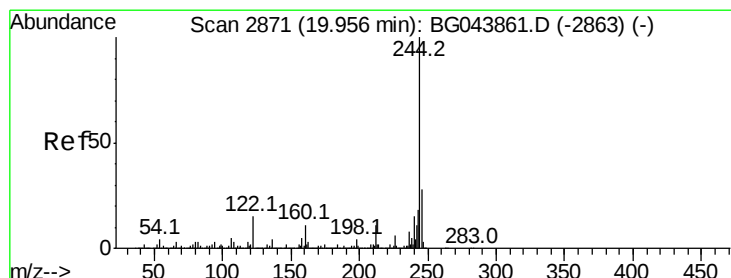
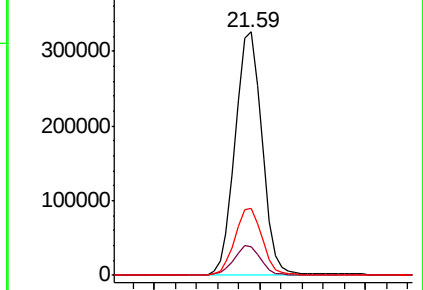
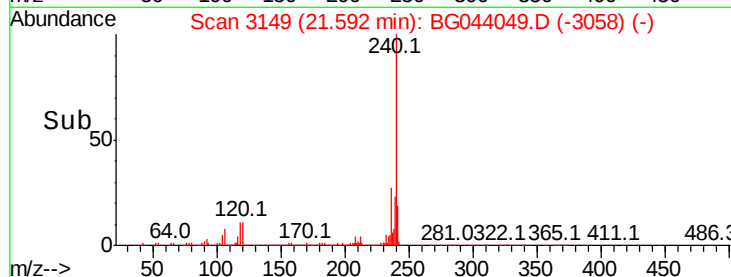
Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.6	14.4
236	27.4	22.2	33.2



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: 8.772 ng

RT: 19.94 min Scan# 2868

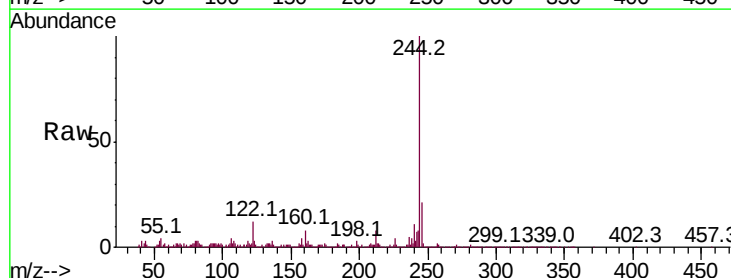
Delta R.T. -0.02 min

Lab File: BG044049.D

Acq: 14 Jan 2020 23:21

Tgt Ion:244 Resp: 419719

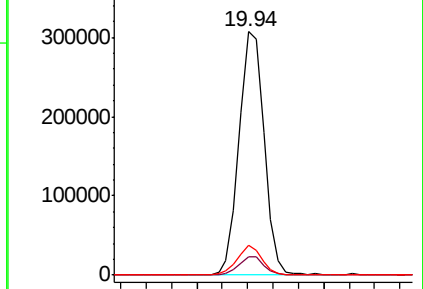
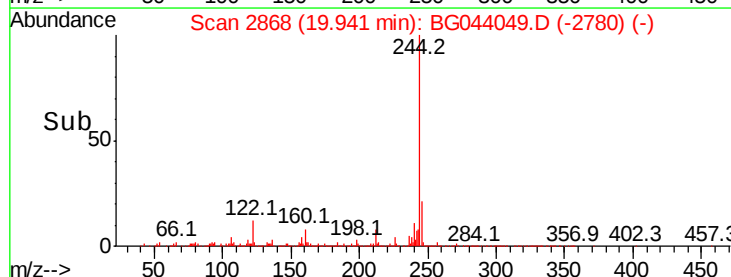
Ion	Ratio	Lower	Upper
244	100		
212	7.6	8.6	13.0#
122	12.1	11.9	17.9

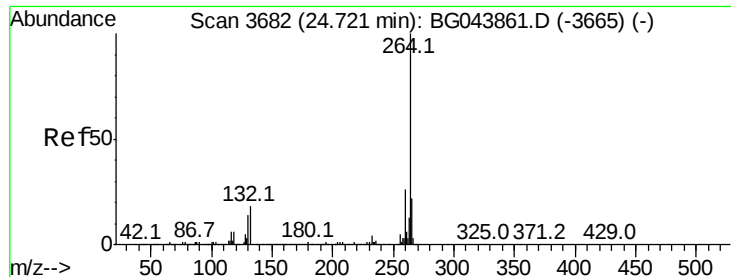


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

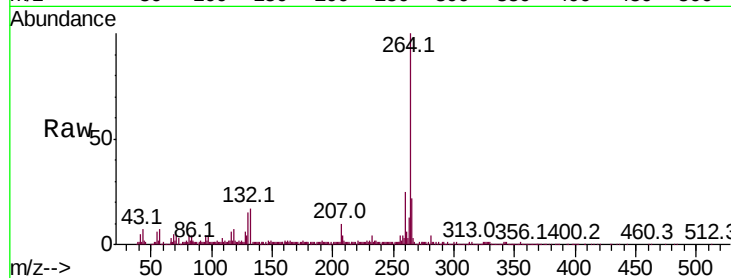




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3700
Delta R.T. 0.11 min
Lab File: BG044049.D
Acq: 14 Jan 2020 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.4	30.6
265	22.0	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

