

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043910.D
 Acq On : 4 Jan 2020 7:01
 Operator : JU
 Sample : PB125879TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

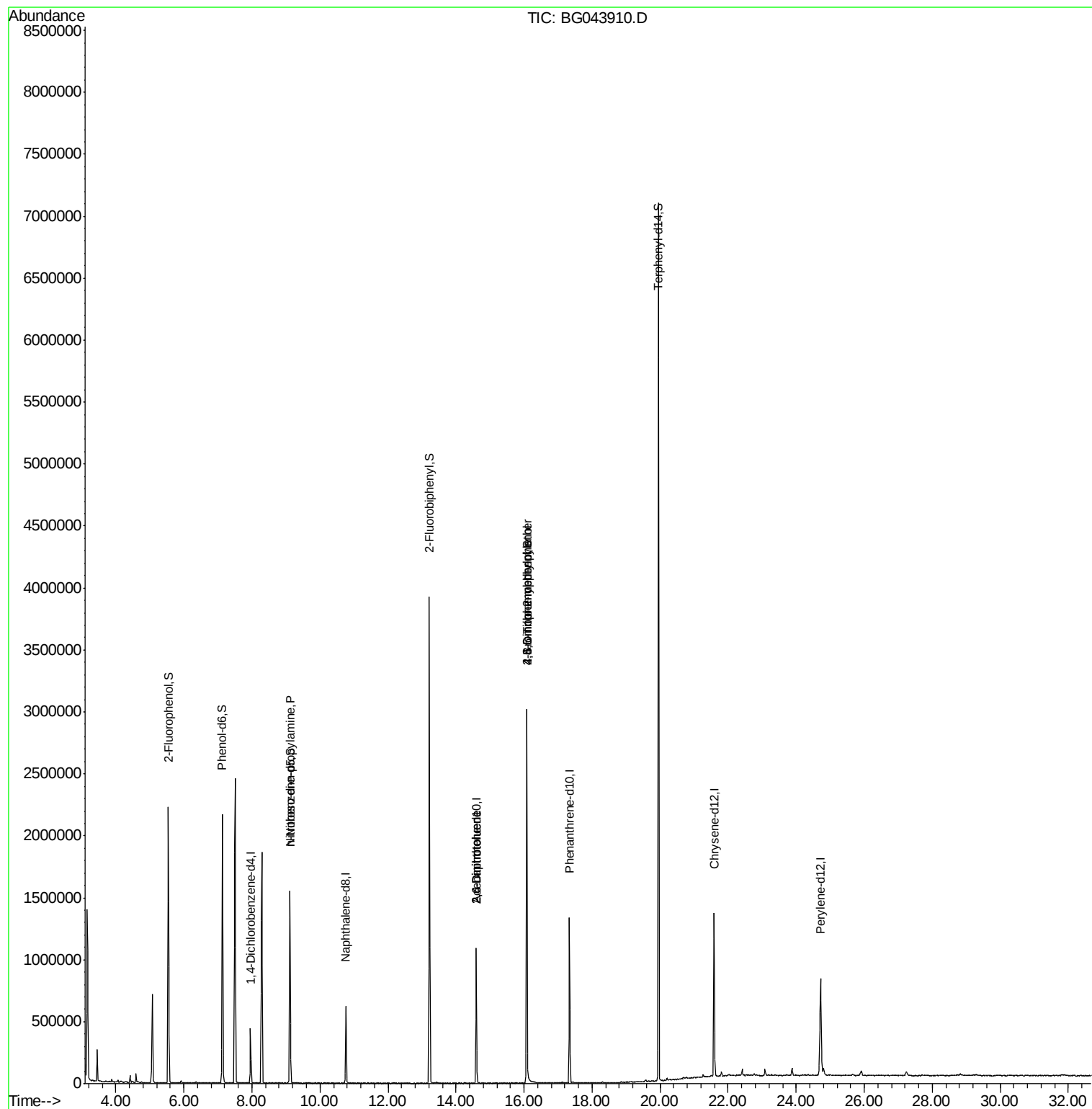
Quant Time: Jan 06 04:28:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	128068	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	544859	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	369325	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	819161	20.00	ng	0.00
76) Chrysene-d12	21.59	240	710393	20.00	ng	0.00
87) Perylene-d12	24.72	264	790761	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1002567	143.74	ng	0.00
7) Phenol-d6	7.13	99	1320085	135.40	ng	0.00
23) Nitrobenzene-d5	9.12	82	940210	92.31	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	550513	142.44	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2010696	98.64	ng	0.00
79) Terphenyl-d14	19.95	244	2756342	97.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	126772	17.460	ng	# 81
51) 2,6-Dinitrotoluene	14.59	165	48503	8.183	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	48503	6.014	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	2133	4.849	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	39755	4.315	ng	# 1

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

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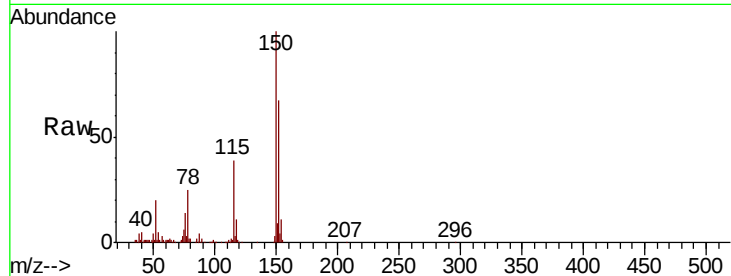




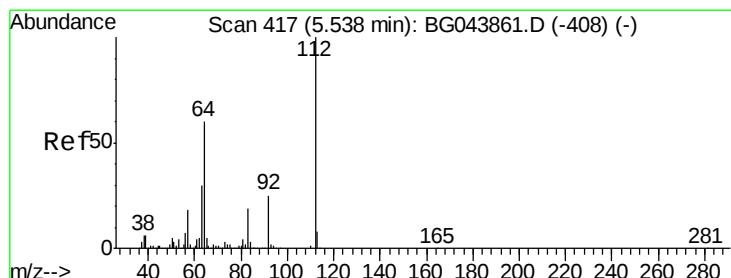
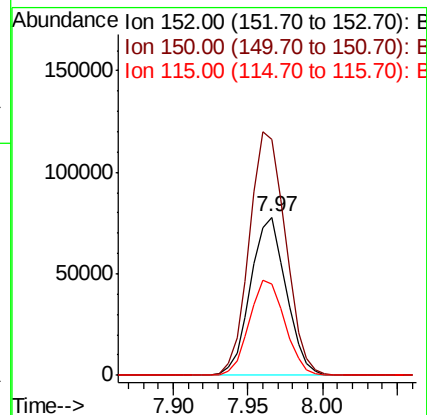
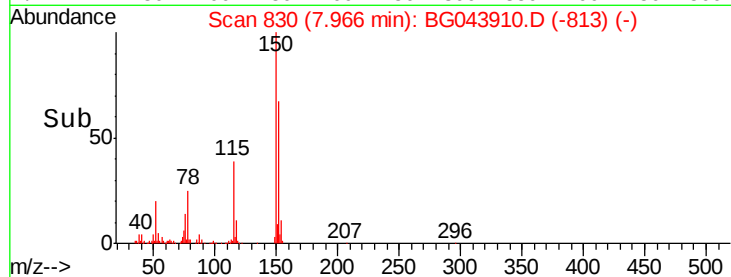
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043910.D
Acq: 4 Jan 2020 7:01

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	127.0	190.4
115	57.5	47.8	71.8



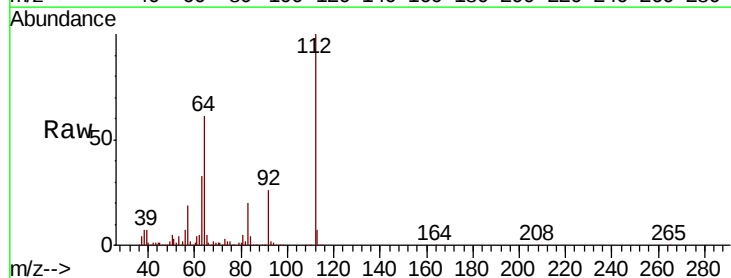
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



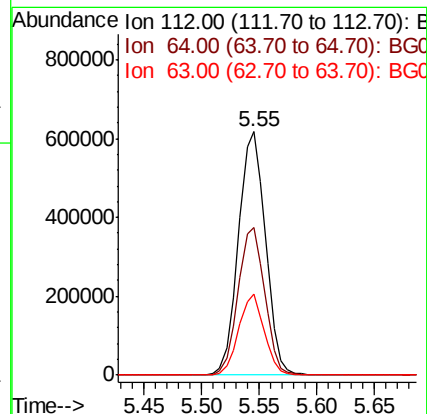
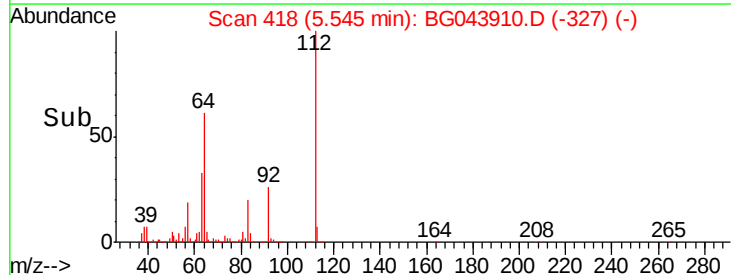
#5

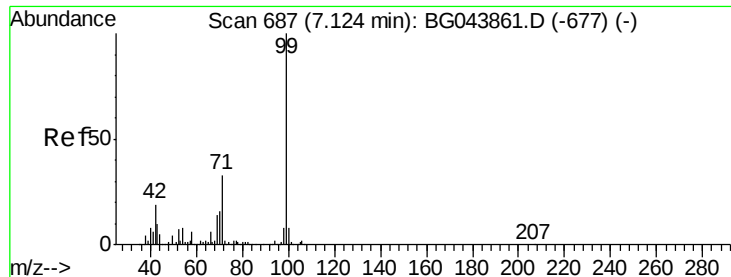
2-Fluorophenol
Concen: 143.739 ng
RT: 5.55 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043910.D
Acq: 4 Jan 2020 7:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.8	71.6
63	33.1	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 135.398 ng

RT: 7.13 min Scan# 688

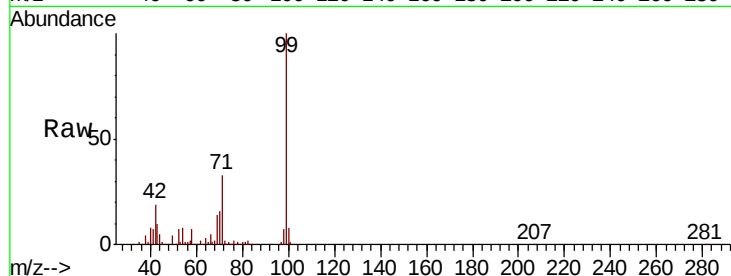
Delta R.T. 0.01 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

Tot Ion: 99 Resp: 1320085

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.9	22.3
71	33.4	26.4	39.6

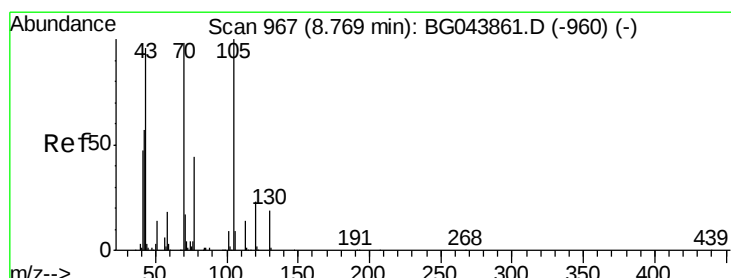
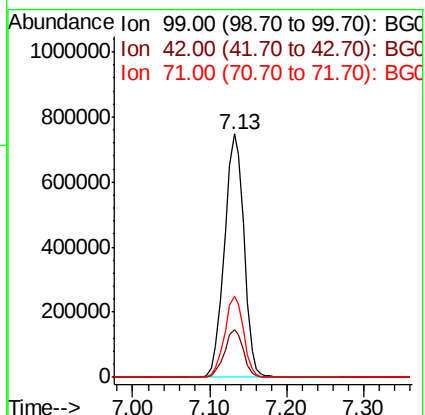
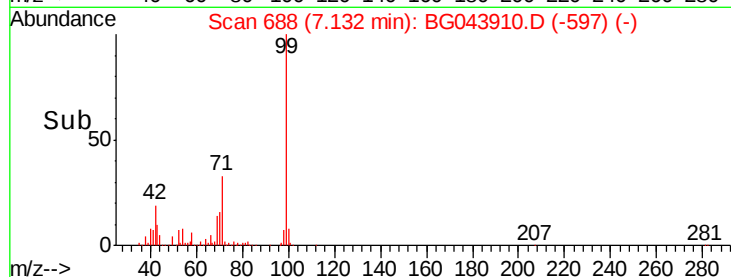


Abundance

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: 17.460 ng

RT: 9.12 min Scan# 1026

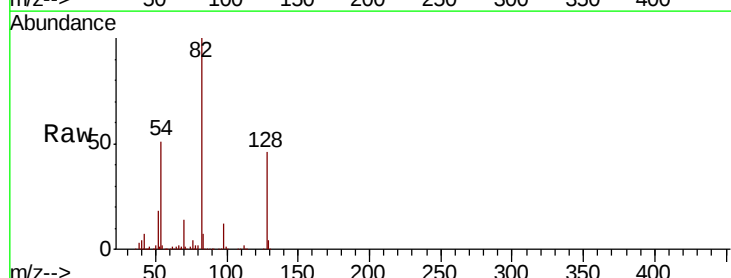
Delta R.T. 0.35 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

Tgt Ion: 70 Resp: 126772

Ion	Ratio	Lower	Upper
70	100		
42	50.2	47.0	70.4
101	0.0	7.2	10.8#
130	2.4	15.6	23.4#



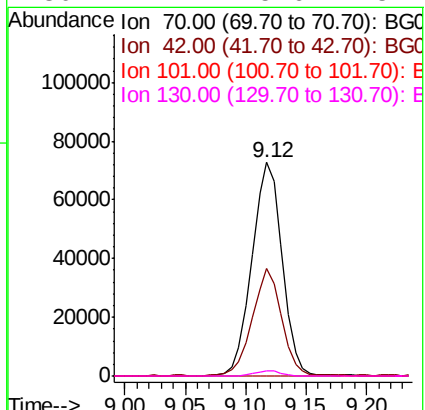
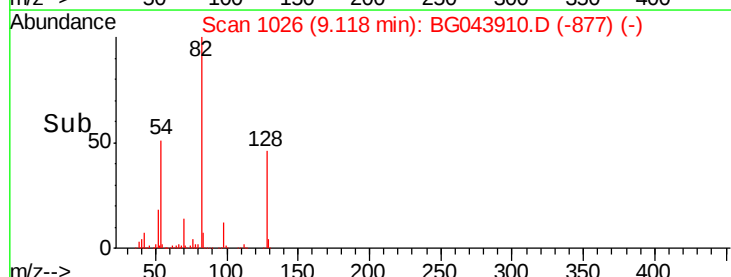
Abundance

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: 10.76 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

Tot Ion:136 Resp: 544859

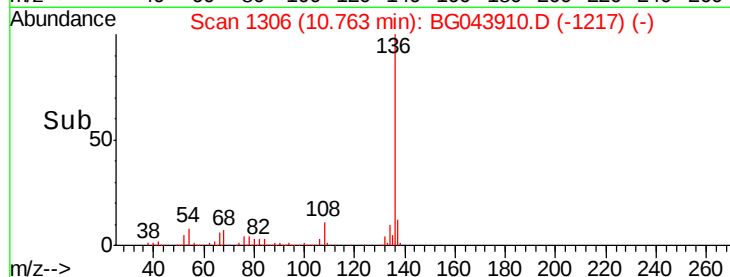
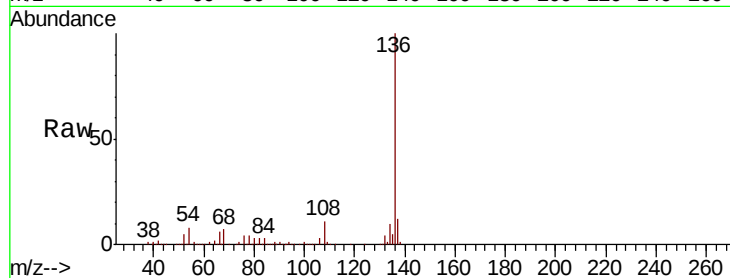
Ion Ratio Lower Upper

136 100

137 11.6 8.8 13.2

54 8.0 7.0 10.4

68 6.6 4.9 7.3

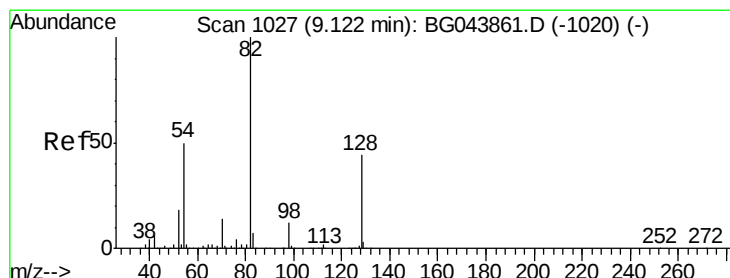
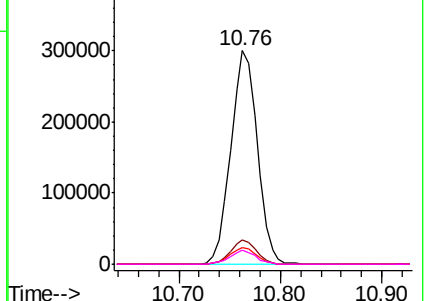


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 92.313 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

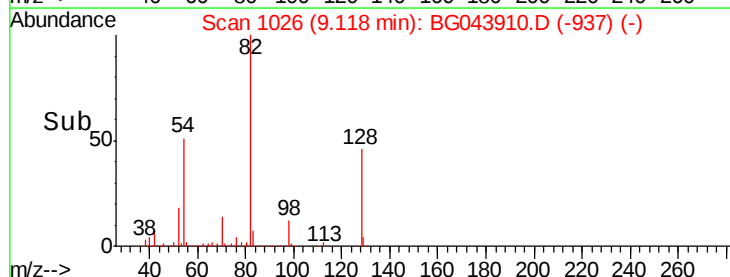
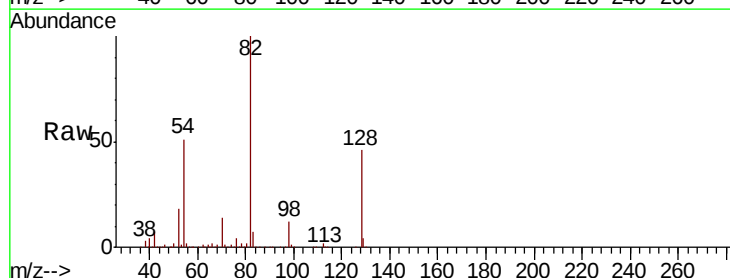
Tgt Ion: 82 Resp: 940210

Ion Ratio Lower Upper

82 100

128 46.1 35.1 52.7

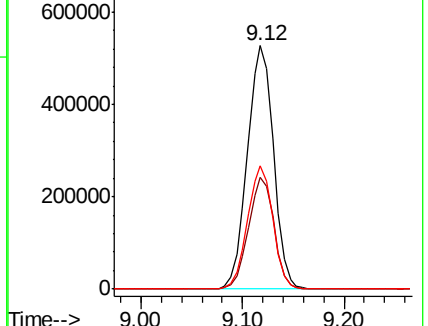
54 50.6 40.1 60.1

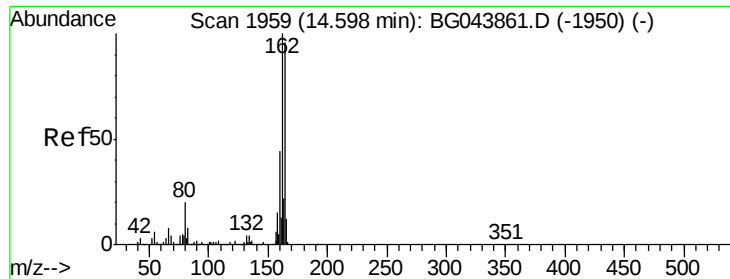


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

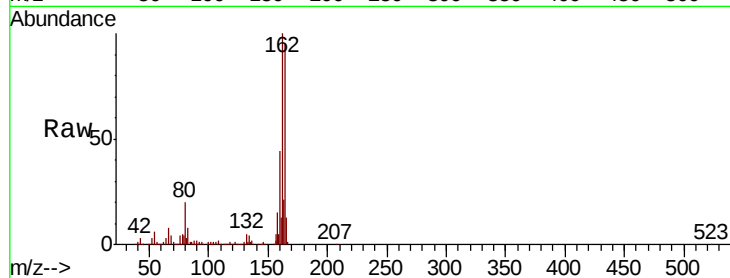
Delta R.T. -0.00 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

Tot Ion:164 Resp: 369325

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.0	124.4
160	46.0	36.1	54.1

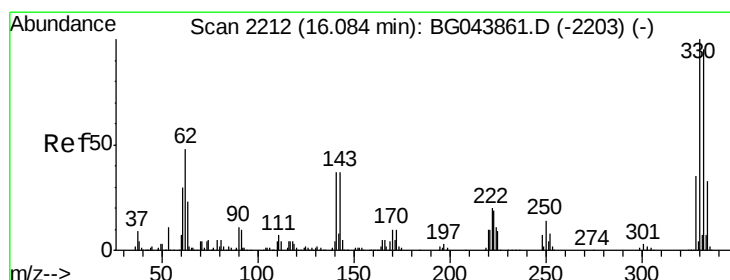
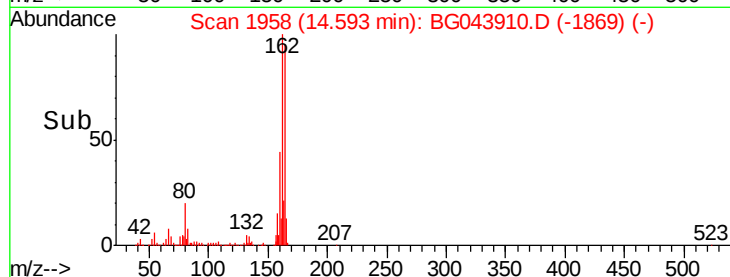
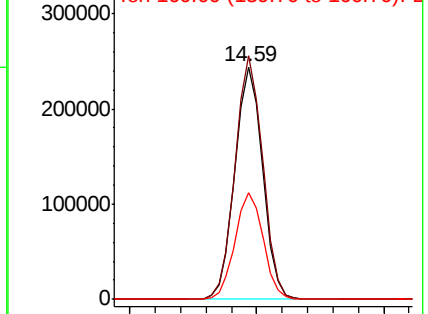


Abundance

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: 142.439 ng

RT: 16.08 min Scan# 2211

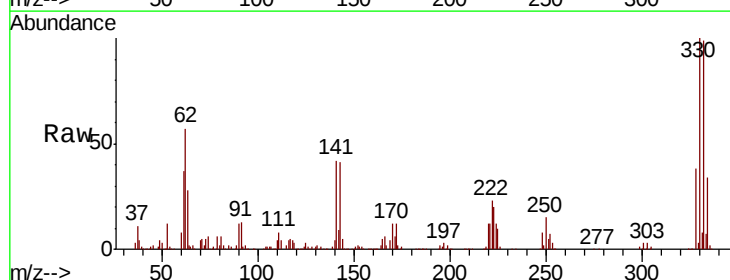
Delta R.T. -0.00 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

Tgt Ion:330 Resp: 550513

Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.2	115.8
141	42.1	33.1	49.7

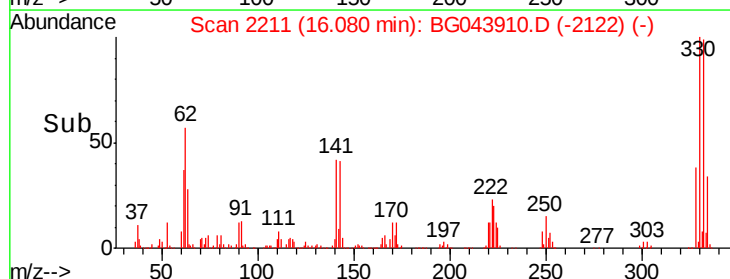
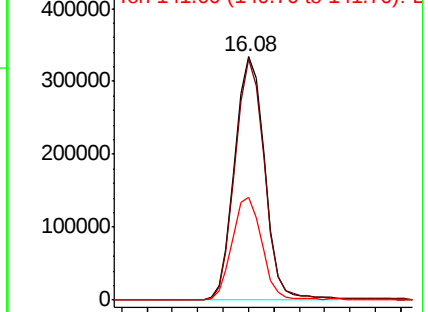


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

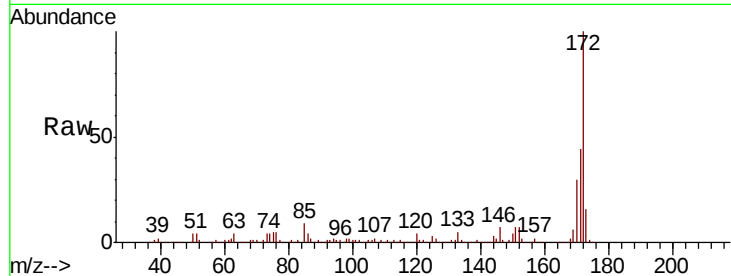
Ion 141.00 (140.70 to 141.70): E



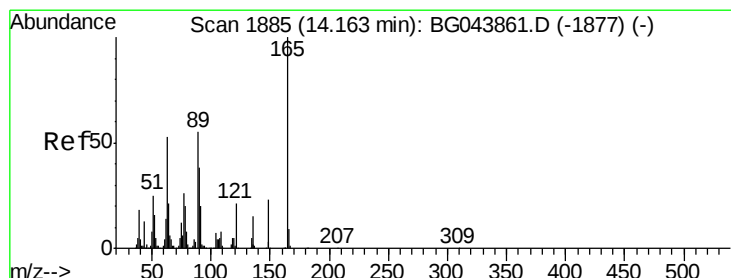
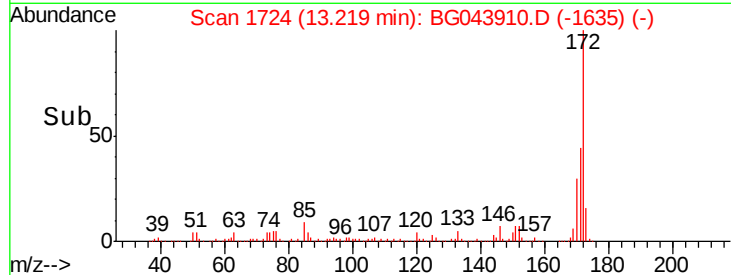
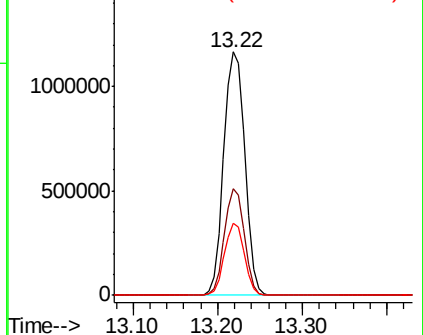


#45
 2-Fluorobiphenyl
 Concen: 98.637 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BG043910.D
 Acq: 4 Jan 2020 7:01

Tot Ion:	172	Resp:	2010696
Ion	Ratio	Lower	Upper
172	100		
171	43.7	35.8	53.8
170	29.8	24.2	36.4

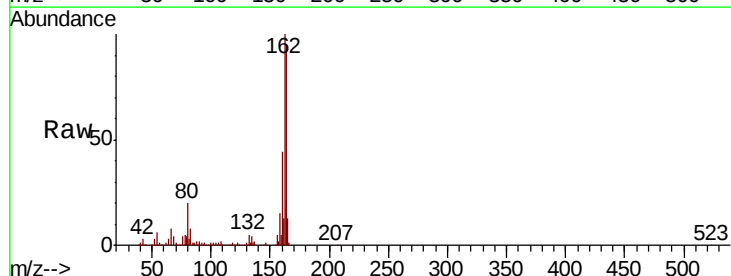


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

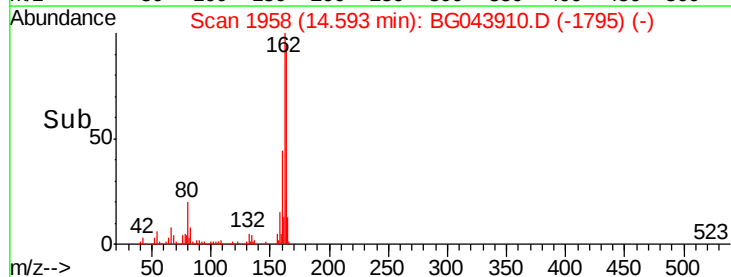
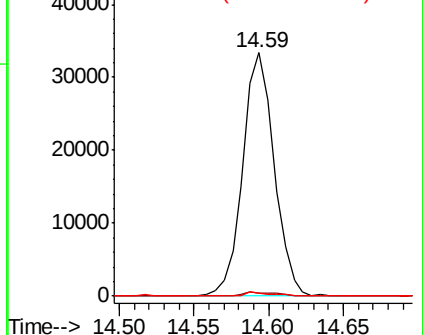


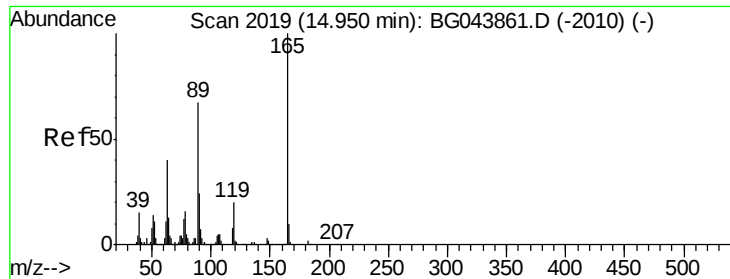
#51
 2,6-Dinitrotoluene
 Concen: 8.183 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG043910.D
 Acq: 4 Jan 2020 7:01

Tgt Ion:	165	Resp:	48503
Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.1	64.7#
89	1.2	43.8	65.6#



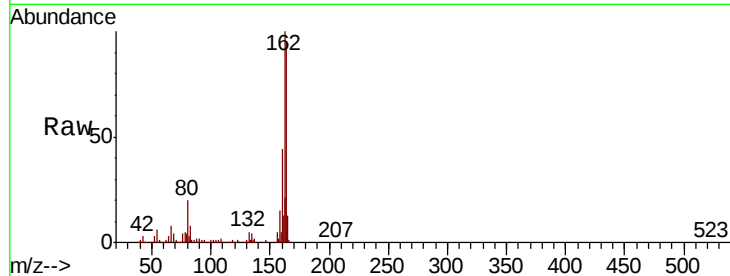
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0



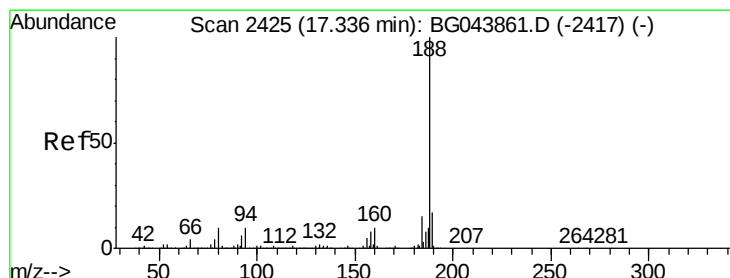
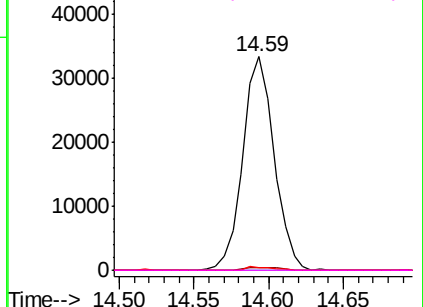
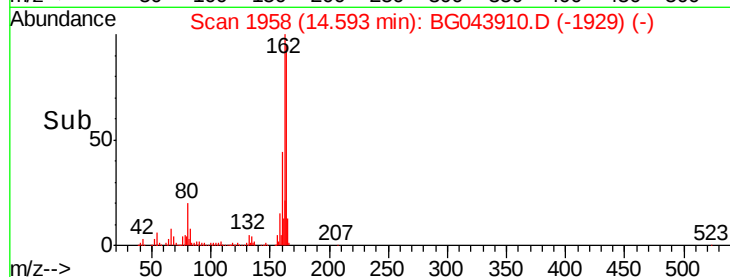


#57
 2,4-Dinitrotoluene
 Concen: 6.014 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043910.D
 Acq: 4 Jan 2020 7:01

Tot Ion:165 Resp: 48503
 Ion Ratio Lower Upper
 165 100
 63 1.3 31.9 47.9#
 89 1.2 53.8 80.6#
 182 0.0 2.0 3.0#

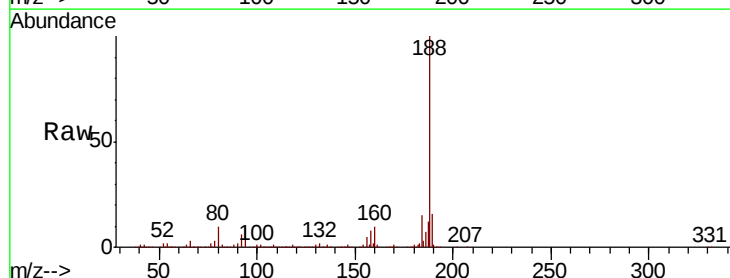


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

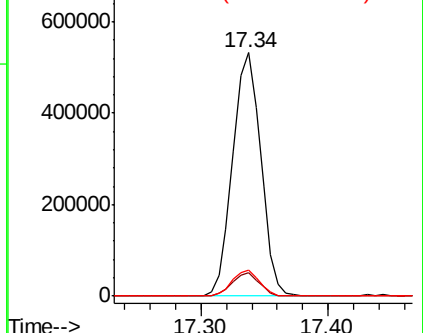
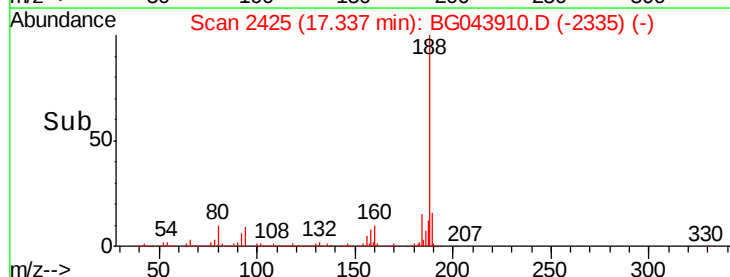


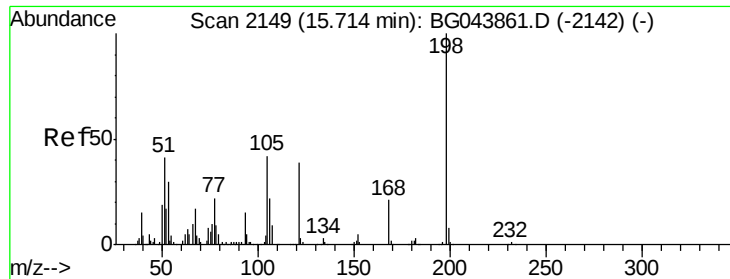
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG043910.D
 Acq: 4 Jan 2020 7:01

Tgt Ion:188 Resp: 819161
 Ion Ratio Lower Upper
 188 100
 94 9.4 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): BGC
 Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 4.849 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.36 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

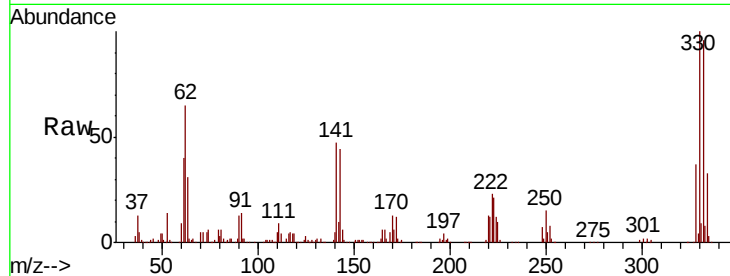
Tot Ion:198 Resp: 2133

Ion Ratio Lower Upper

198 100

51 120.8 22.5 62.5#

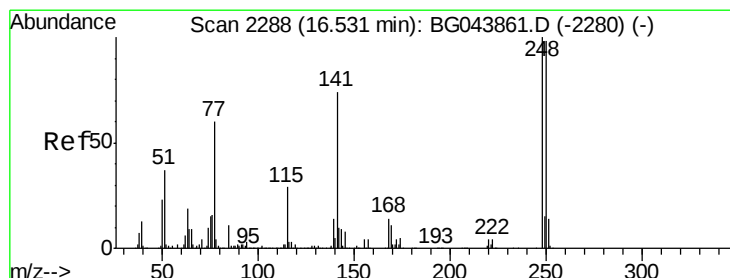
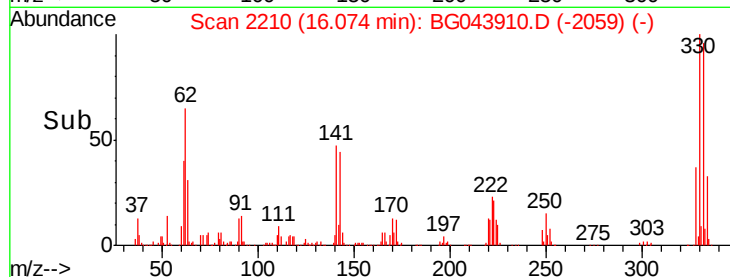
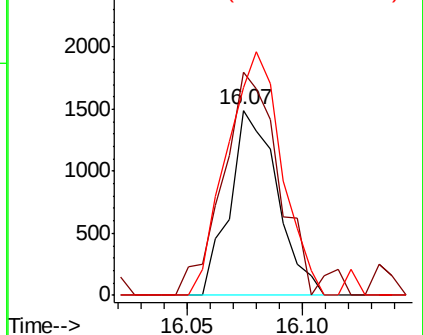
105 112.2 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.315 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.45 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

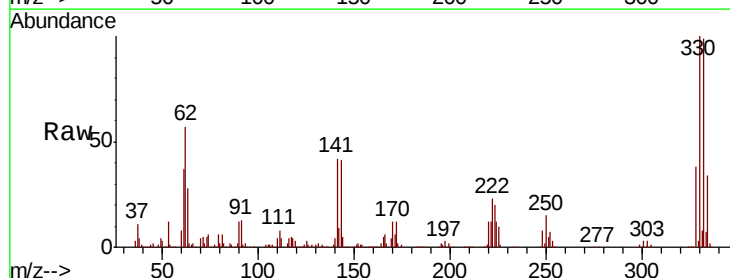
Tgt Ion:248 Resp: 39755

Ion Ratio Lower Upper

248 100

250 203.1 78.2 117.2#

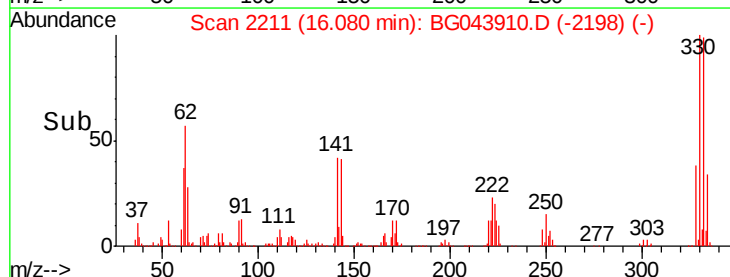
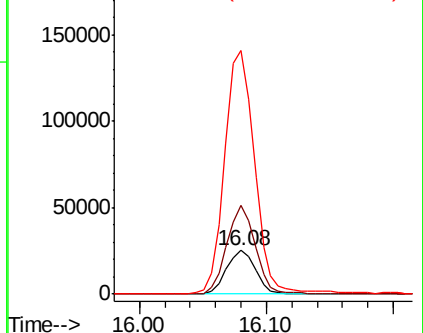
141 559.3 59.3 88.9#

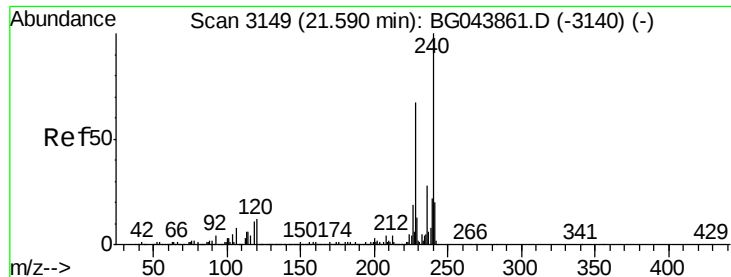


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3148

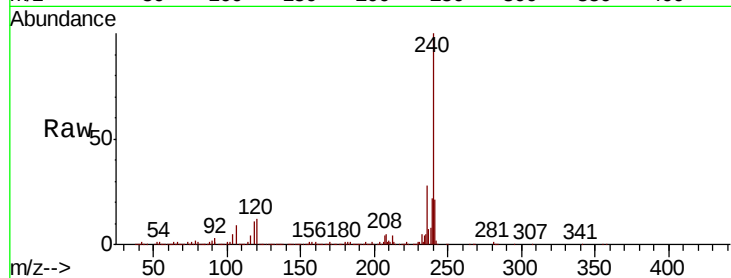
Delta R.T. -0.00 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

Tot Ion:240 Resp: 710393

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.6	14.4
236	28.5	22.2	33.2

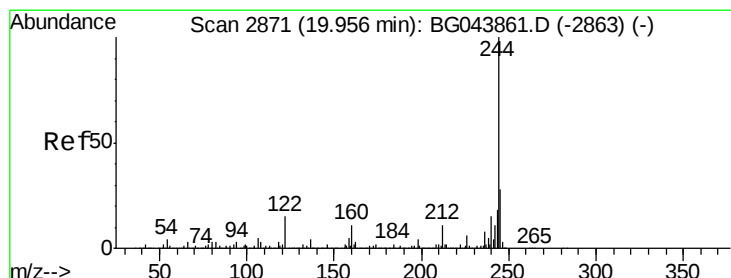
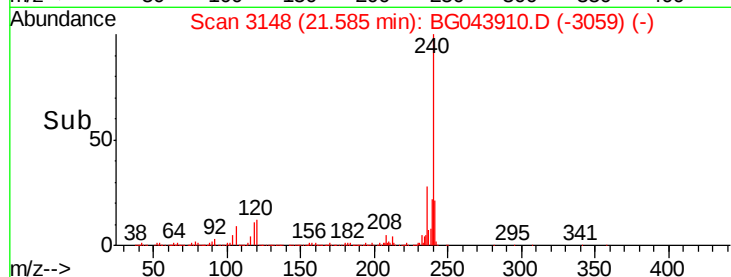
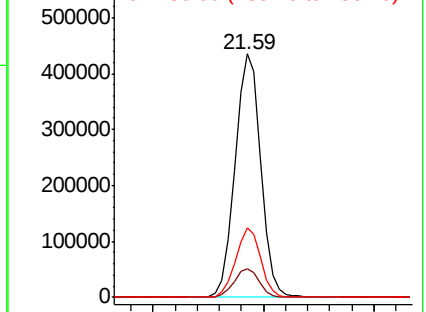


Abundance

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: 97.006 ng

RT: 19.95 min Scan# 2870

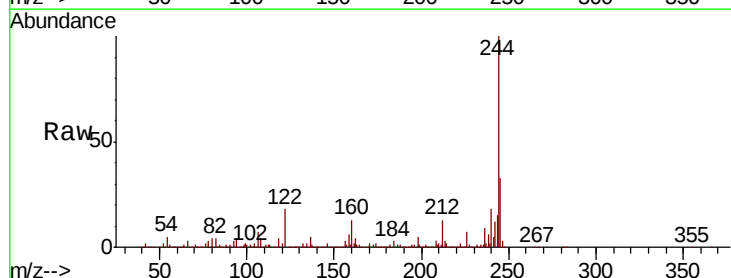
Delta R.T. -0.00 min

Lab File: BG043910.D

Acq: 4 Jan 2020 7:01

Tgt Ion:244 Resp: 2756342

Ion	Ratio	Lower	Upper
244	100		
212	13.0	8.6	13.0#
122	18.0	11.9	17.9#

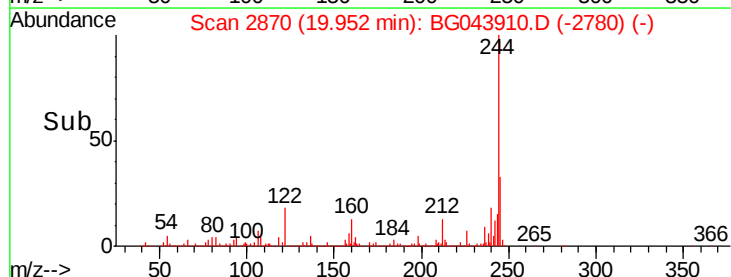
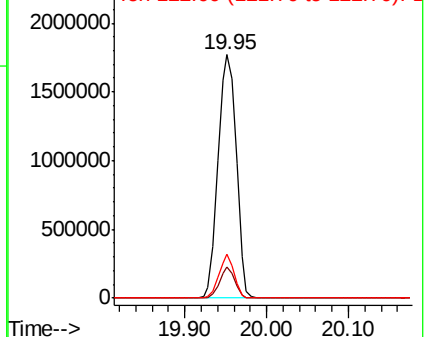


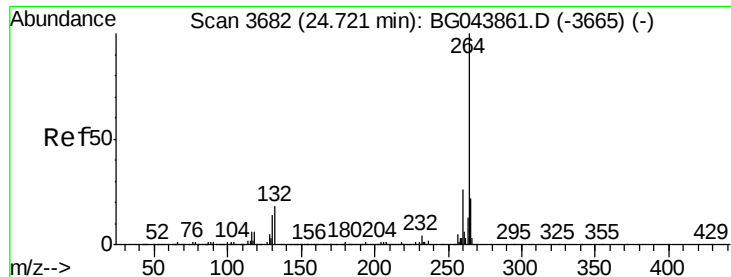
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

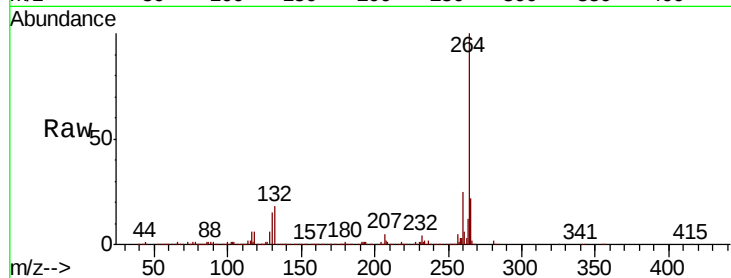
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.72 min Scan# 3681
Delta R.T. -0.00 min
Lab File: BG043910.D
Acq: 4 Jan 2020 7:01

Tot Ion:	264	Resp:	790761
Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	21.9	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

