

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043889.D
 Acq On : 3 Jan 2020 15:59
 Operator : JU
 Sample : K6460-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 03 22:21:26 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	132539	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	572019	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	395060	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	864894	20.00	ng	0.00
76) Chrysene-d12	21.58	240	743262	20.00	ng	0.00
87) Perylene-d12	24.72	264	843825	20.00	ng	0.00

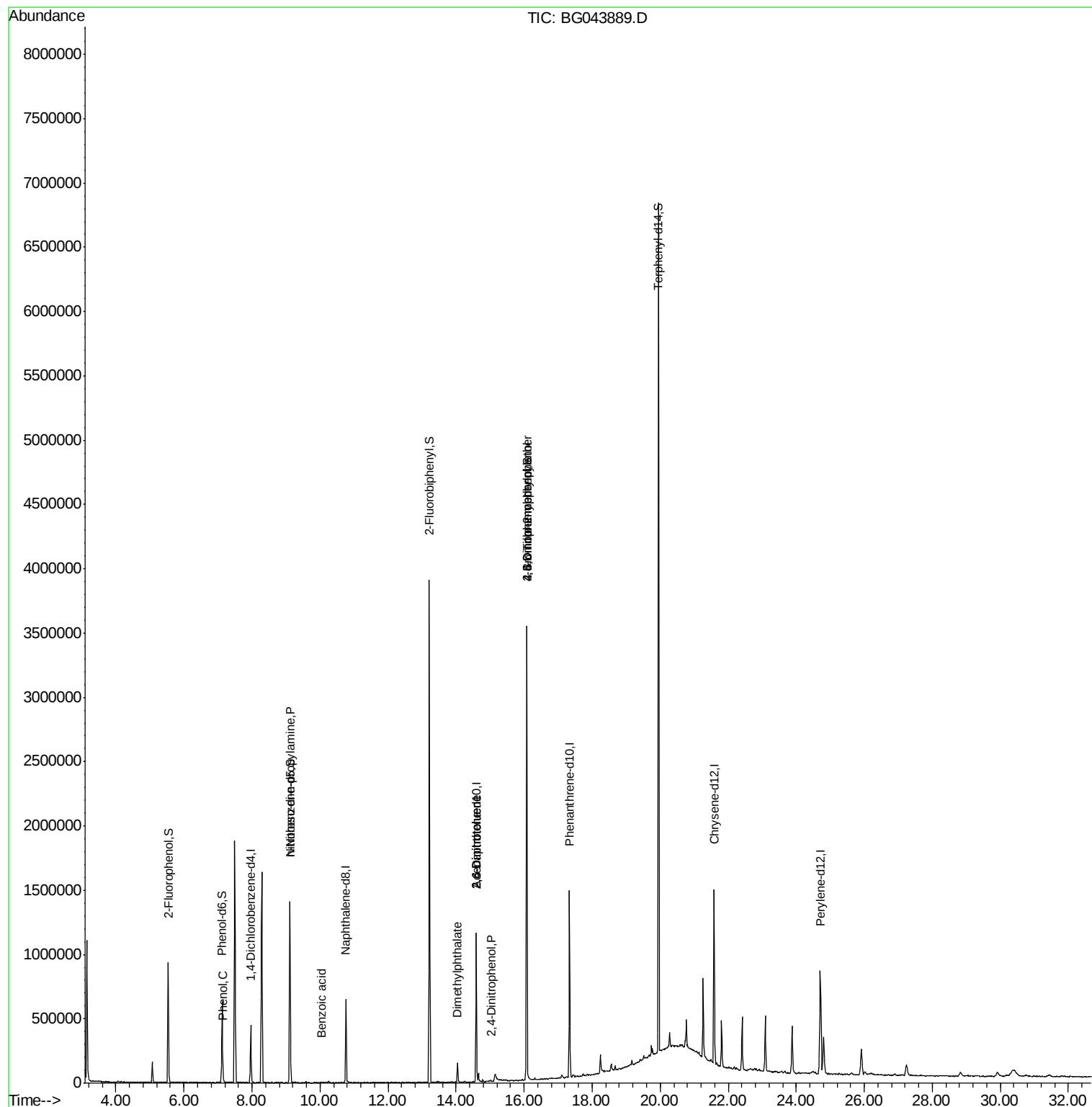
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	430701	59.67	ng	0.00
7) Phenol-d6	7.12	99	384784	38.13	ng	0.00
23) Nitrobenzene-d5	9.12	82	895228	83.72	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	610172	147.59	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1911641	87.67	ng	0.00
79) Terphenyl-d14	19.95	244	2688603	88.04	ng	0.00

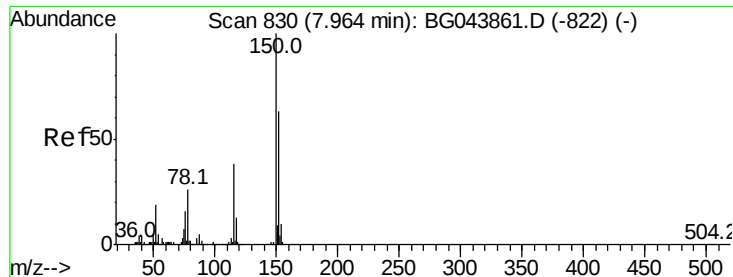
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.15	94	26891	2.587	ng	99
19) n-Nitroso-di-n-propylamine	9.12	70	118305	15.744	ng	# 80
32) Benzoic acid	10.04	122	227	6.294	ng	# 33
50) Dimethylphthalate	14.04	163	105832	3.773	ng	# 95
51) 2,6-Dinitrotoluene	14.59	165	52282	8.246	ng	# 25
54) 2,4-Dinitrophenol	15.05	184	73	5.504	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	52282	6.060	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.07	198	2345	4.868	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	44073	4.531	ng	# 1

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

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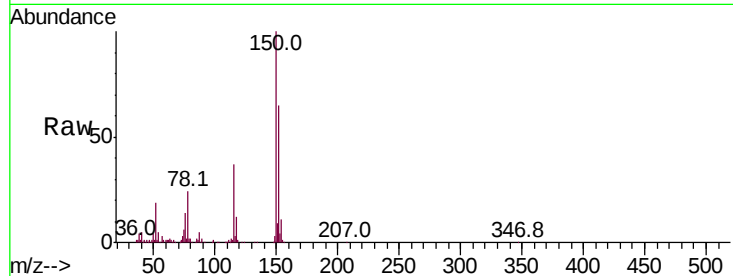




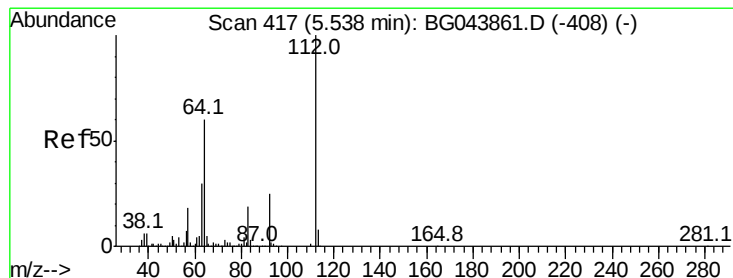
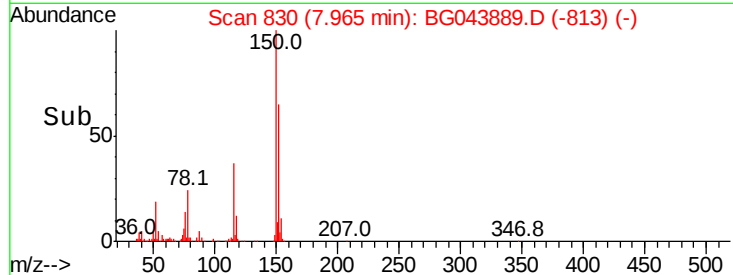
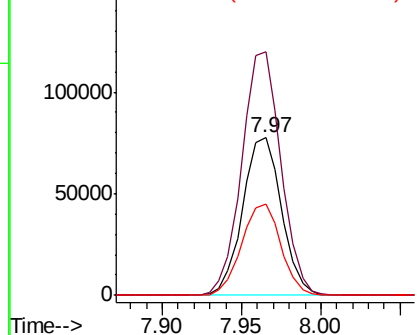
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043889.D
Acq: 3 Jan 2020 15:59

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.0	190.4
115	57.5	47.8	71.8



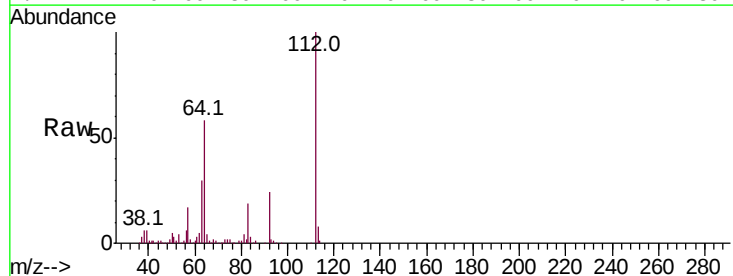
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



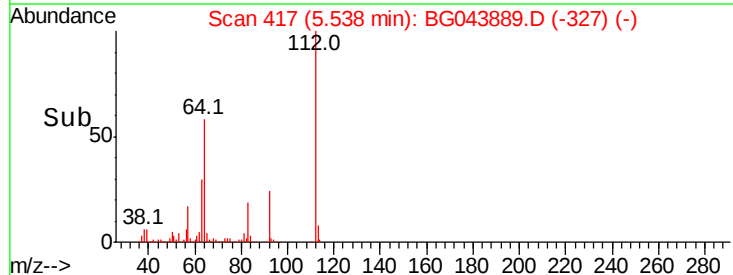
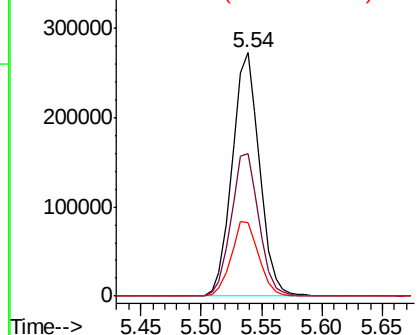
#5

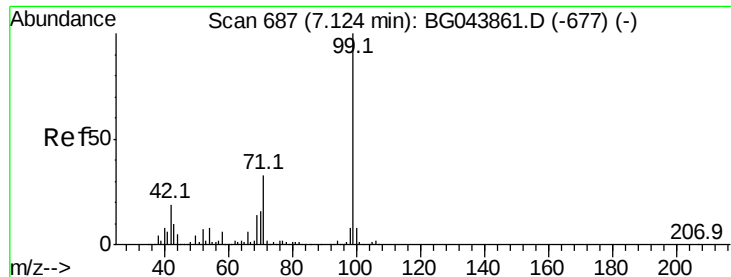
2-Fluorophenol
Concen: 59.667 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043889.D
Acq: 3 Jan 2020 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.8	71.6
63	30.0	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: 38.135 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

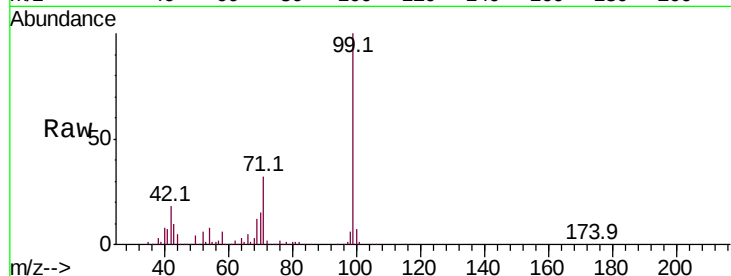
Tot Ion: 99 Resp: 384784

Ion Ratio Lower Upper

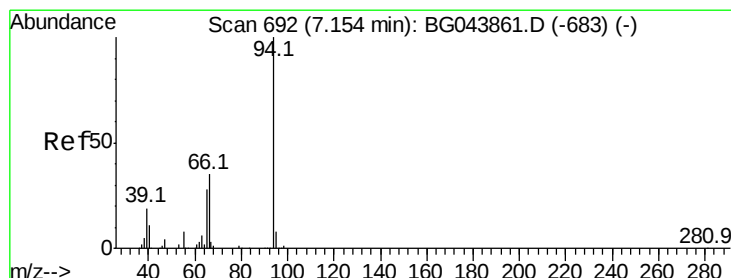
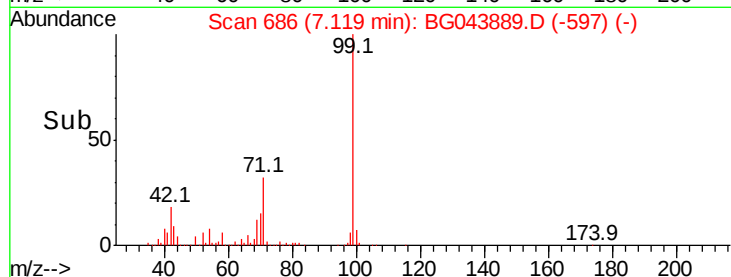
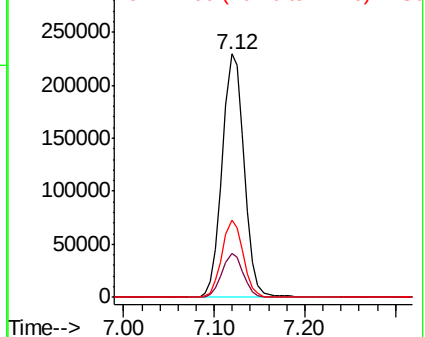
99 100

42 18.0 14.9 22.3

71 31.7 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



#10

Phenol

Concen: 2.587 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

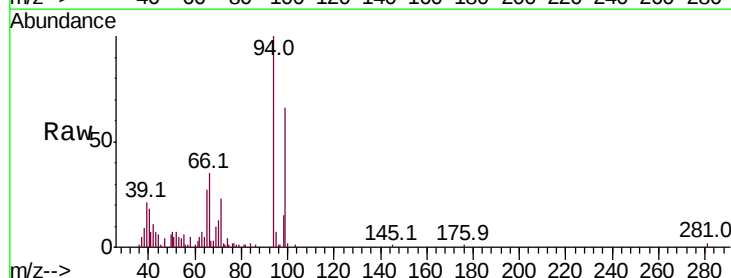
Tgt Ion: 94 Resp: 26891

Ion Ratio Lower Upper

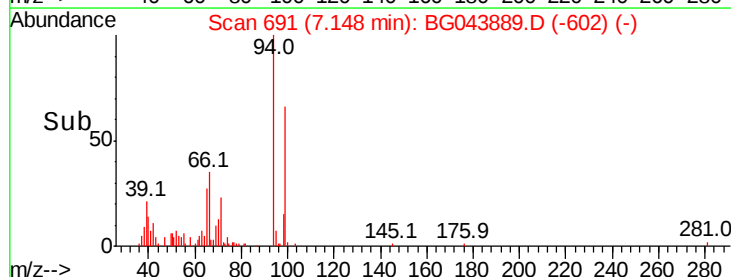
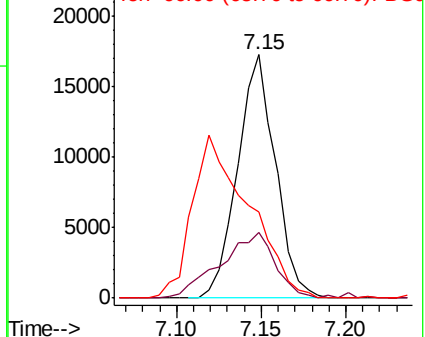
94 100

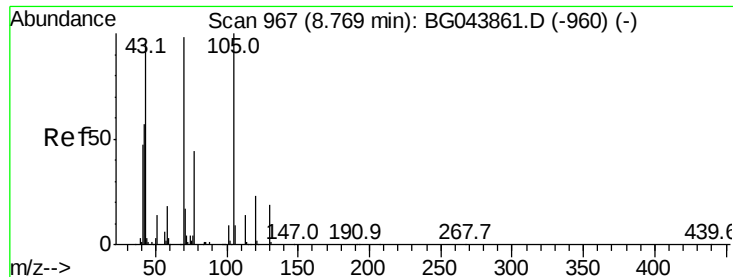
65 27.2 8.1 48.1

66 35.4 15.6 55.6



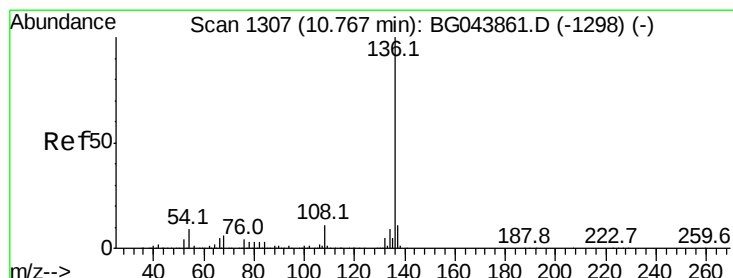
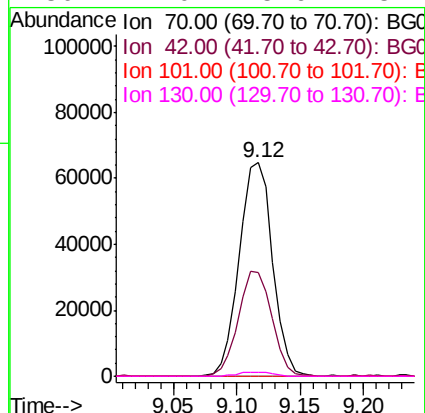
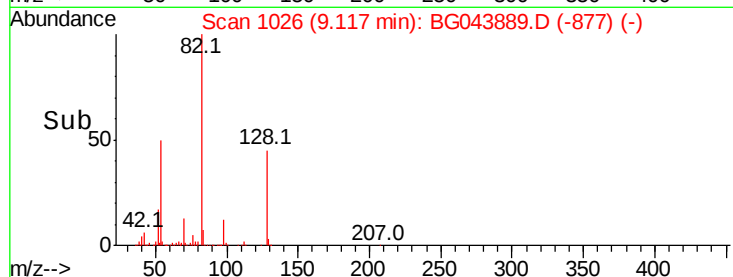
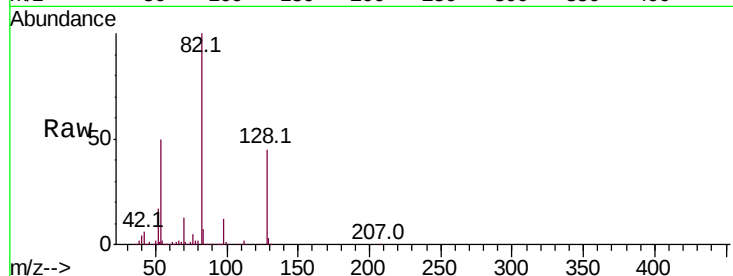
Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





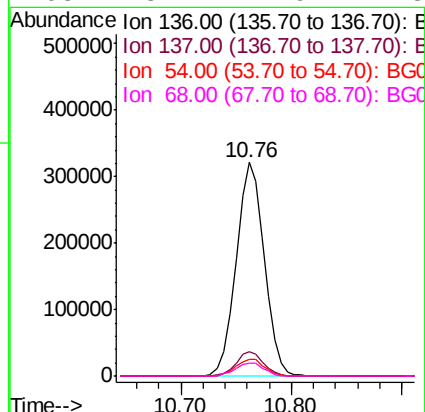
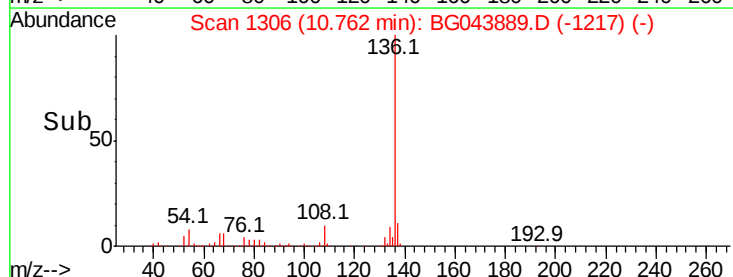
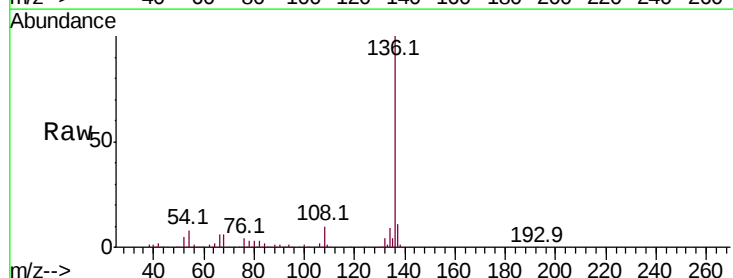
#19
n-Nitroso-di-n-propylamine
Concen: 15.744 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043889.D
Acq: 3 Jan 2020 15:59

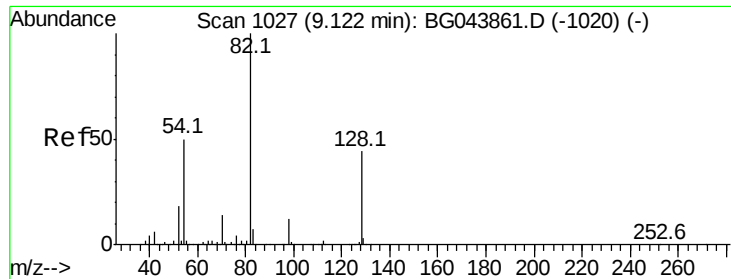
Tot Ion:	70	Resp:	118305
Ion	Ratio	Lower	Upper
70	100		
42	48.6	47.0	70.4
101	0.0	7.2	10.8#
130	2.0	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043889.D
Acq: 3 Jan 2020 15:59

Tgt Ion:	136	Resp:	572019
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.8	7.0	10.4
68	5.7	4.9	7.3





#23

Nitrobenzene-d5

Concen: 83.723 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

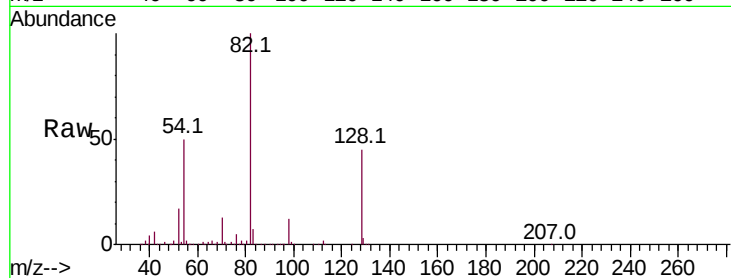
Tot Ion: 82 Resp: 895228

Ion Ratio Lower Upper

82 100

128 44.6 35.1 52.7

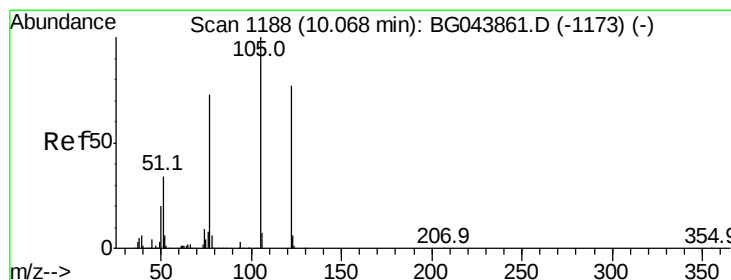
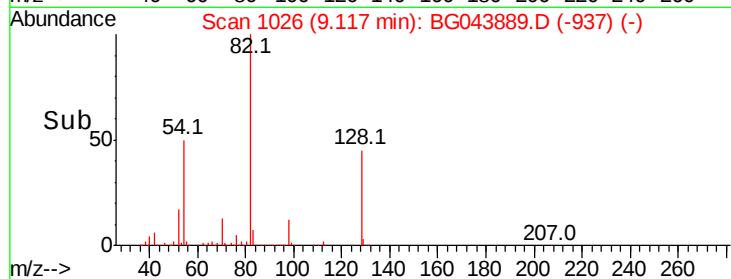
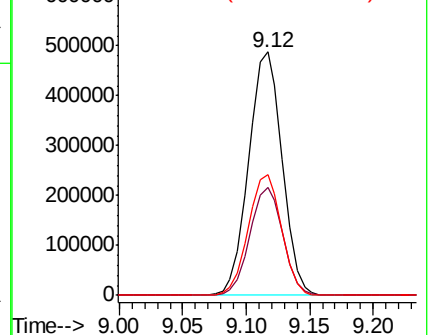
54 49.8 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32

Benzoic acid

Concen: 6.294 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.03 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

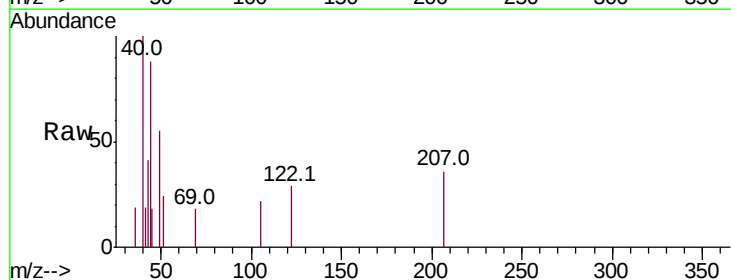
Tgt Ion: 122 Resp: 227

Ion Ratio Lower Upper

122 100

105 75.1 106.4 146.4#

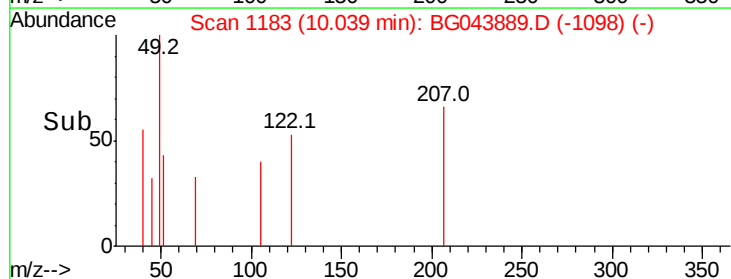
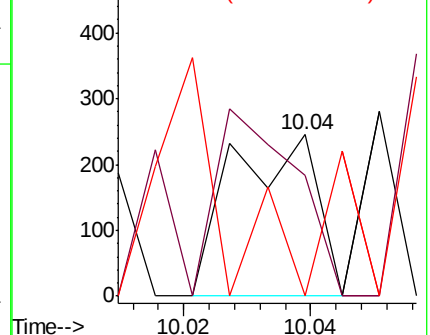
77 0.0 74.6 114.6#

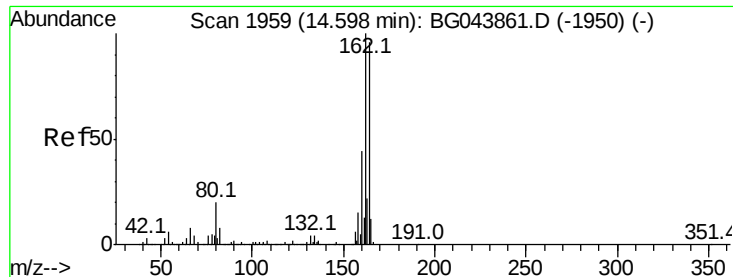


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

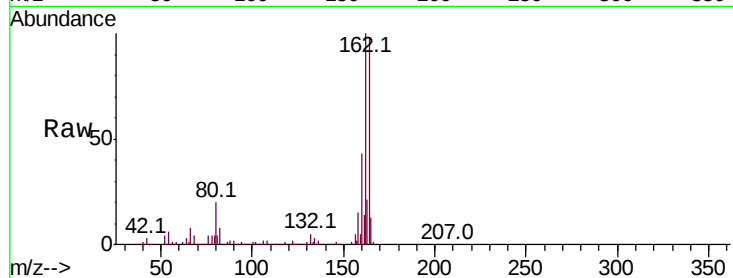
Tot Ion:164 Resp: 395060

Ion Ratio Lower Upper

164 100

162 102.5 83.0 124.4

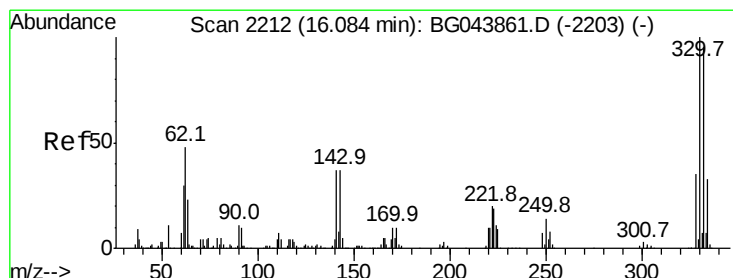
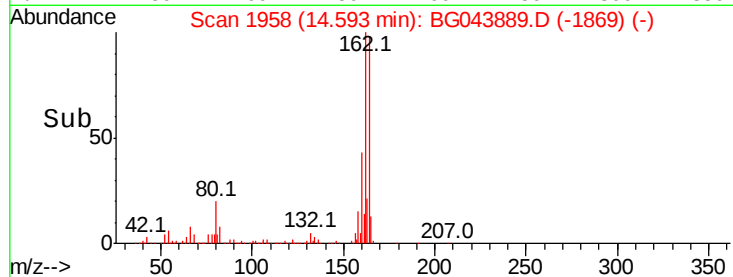
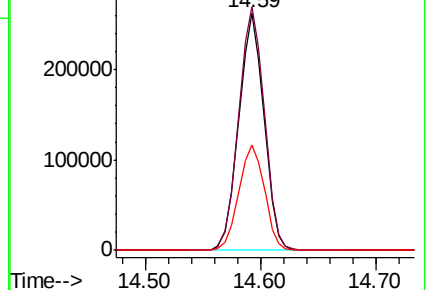
160 44.1 36.1 54.1



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: 147.590 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

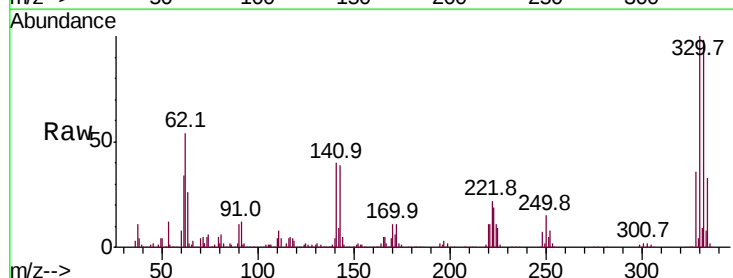
Tgt Ion:330 Resp: 610172

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

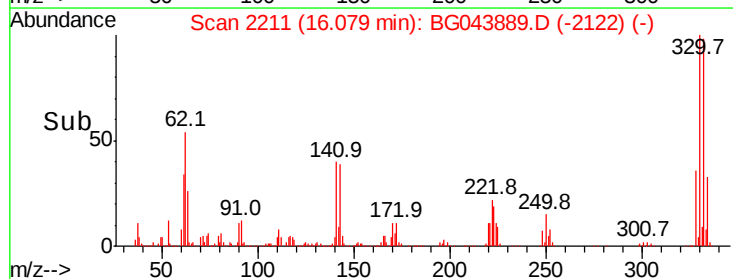
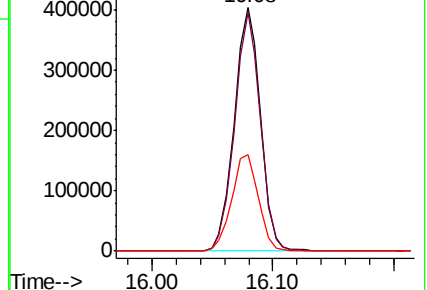
141 40.7 33.1 49.7

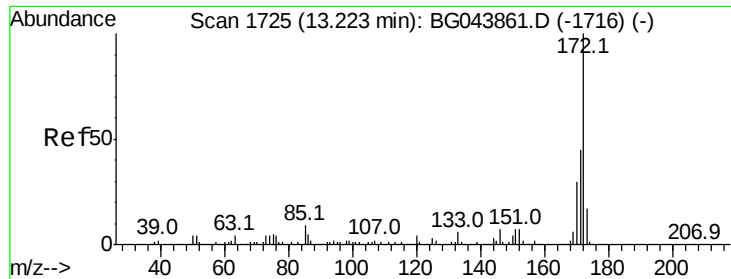


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

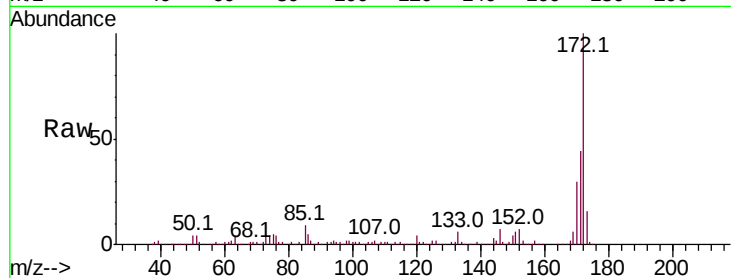




#45
2-Fluorobiphenyl
Concen: 87.669 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BG043889.D
Acq: 3 Jan 2020 15:59

Tot Ion:172 Resp: 1911641

Ion	Ratio	Lower	Upper
172	100		
171	43.7	35.8	53.8
170	29.7	24.2	36.4

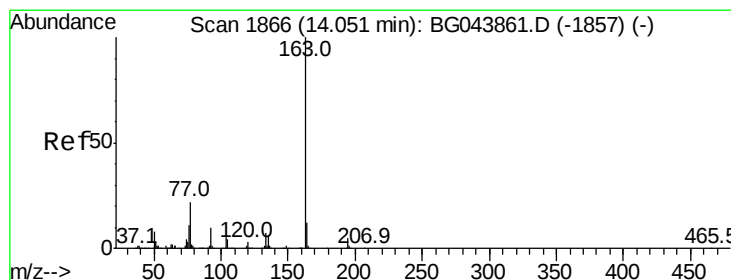
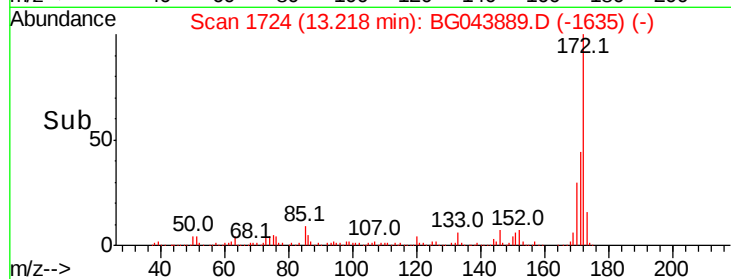
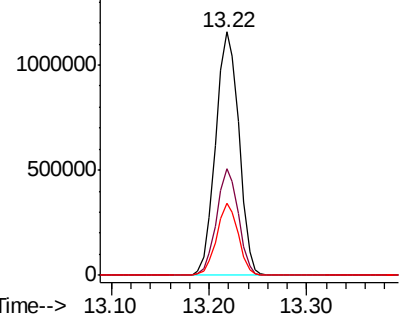


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

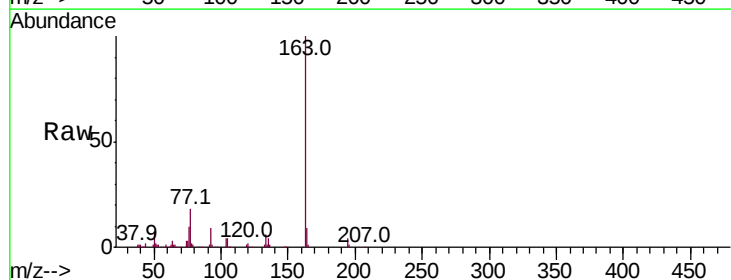
Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.773 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG043889.D
Acq: 3 Jan 2020 15:59

Tgt Ion:163 Resp: 105832

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.7	5.5#
164	9.1	9.3	13.9#

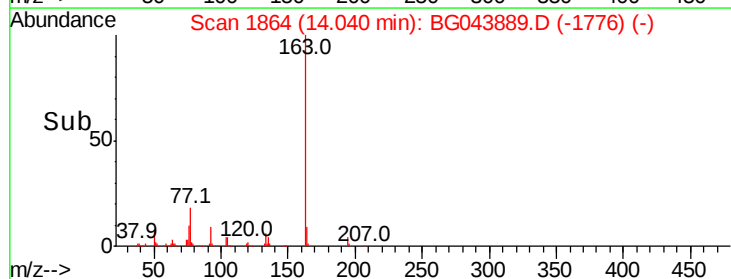
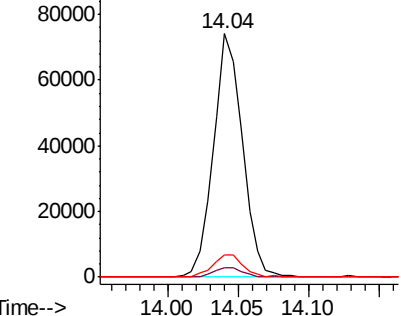


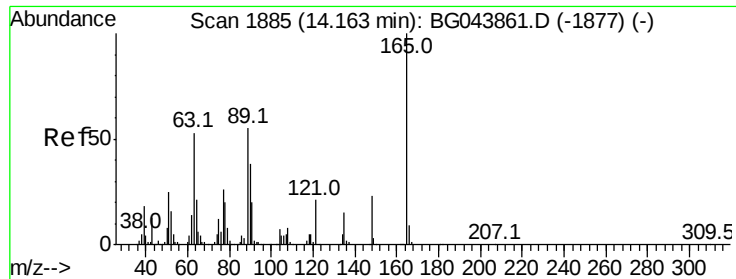
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

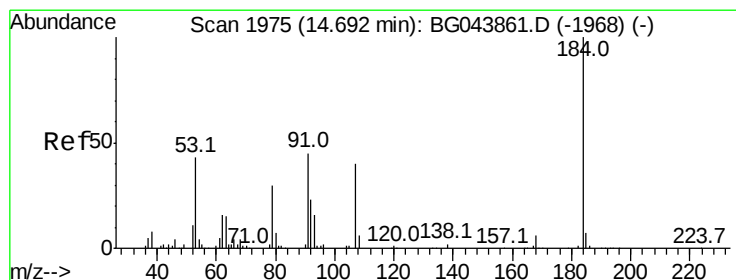
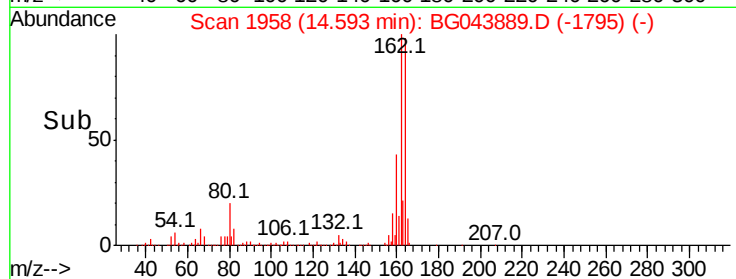
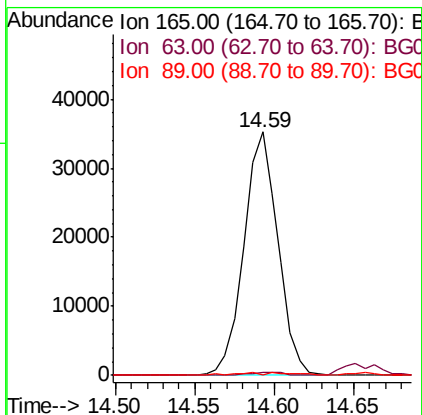
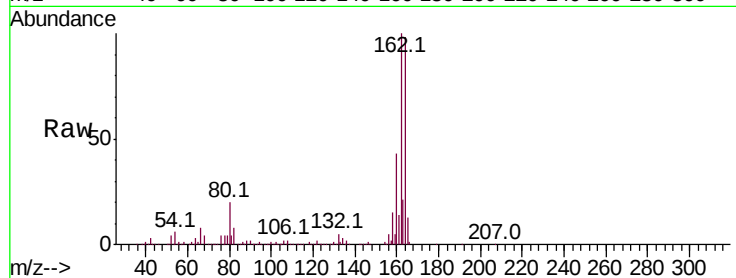
Ion 164.00 (163.70 to 164.70): E





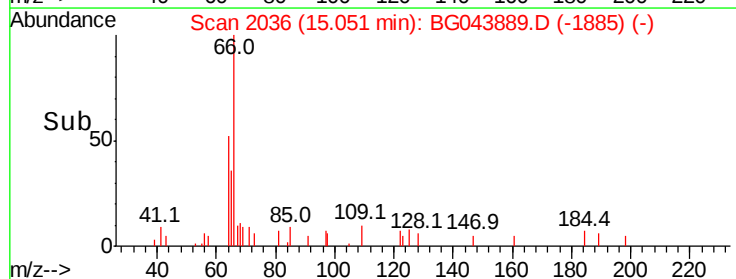
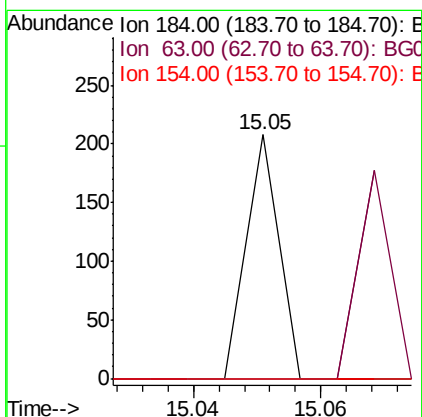
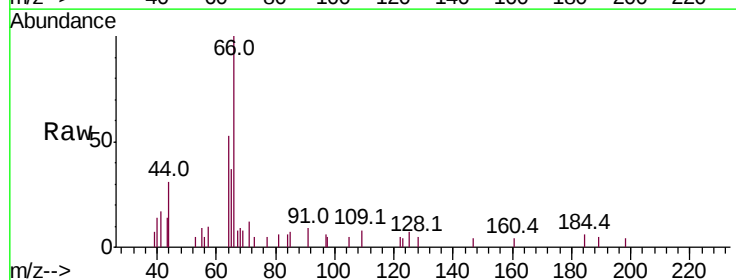
#51
 2,6-Dinitrotoluene
 Concen: 8.246 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG043889.D
 Acq: 3 Jan 2020 15:59

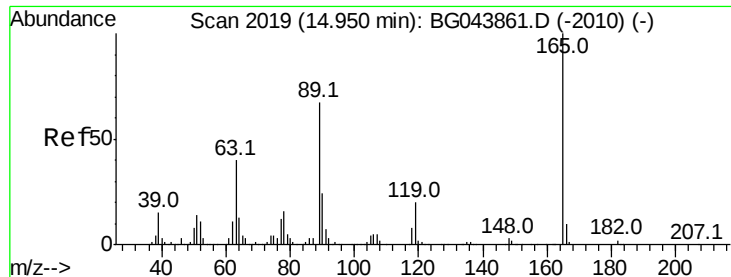
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.1	64.7#
89	0.0	43.8	65.6#



#54
 2,4-Dinitrophenol
 Concen: 5.504 ng
 RT: 15.05 min Scan# 2036
 Delta R.T. 0.36 min
 Lab File: BG043889.D
 Acq: 3 Jan 2020 15:59

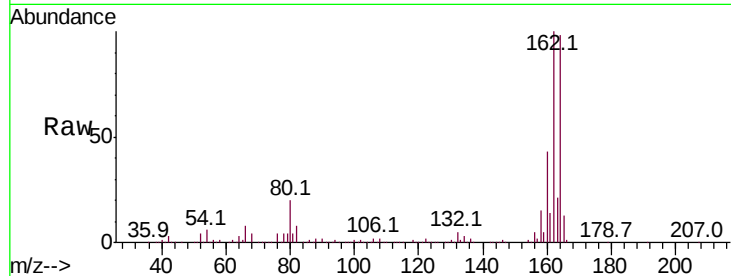
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	46.6	70.0#
154	0.0	50.2	75.4#





#57
 2,4-Dinitrotoluene
 Concen: 6.060 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043889.D
 Acq: 3 Jan 2020 15:59

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



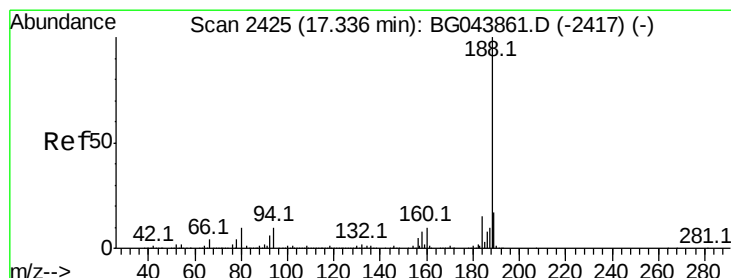
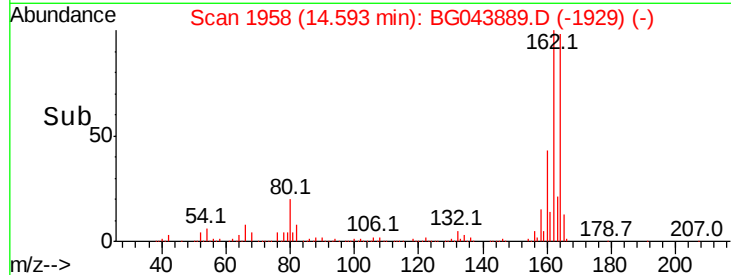
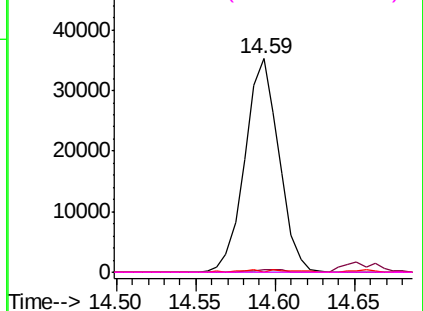
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

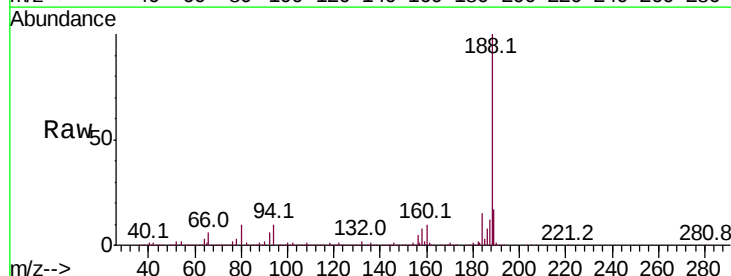
Ion 89.00 (88.70 to 89.70): BG

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: BG043889.D
 Acq: 3 Jan 2020 15:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.9	11.9
80	10.4	8.2	12.4

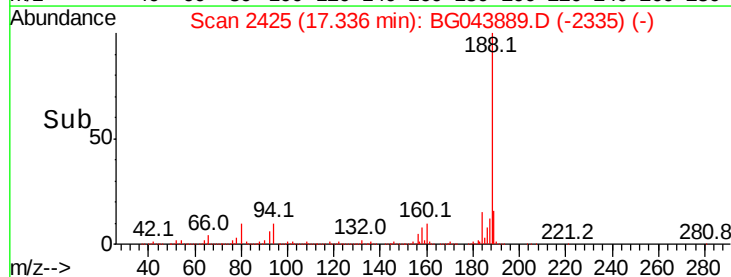
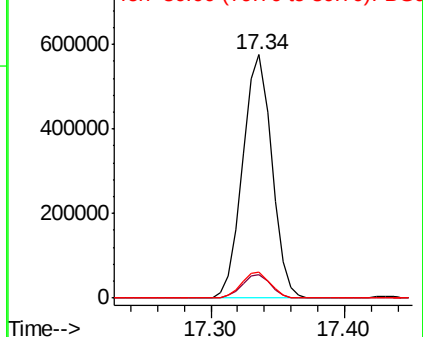


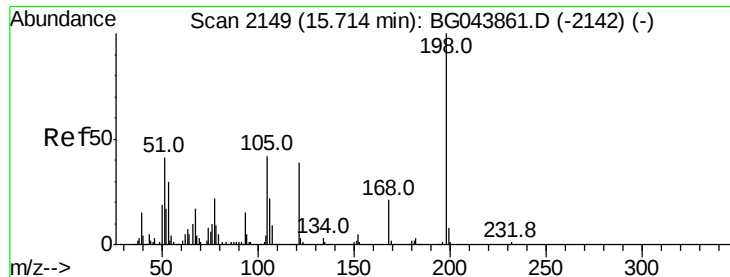
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

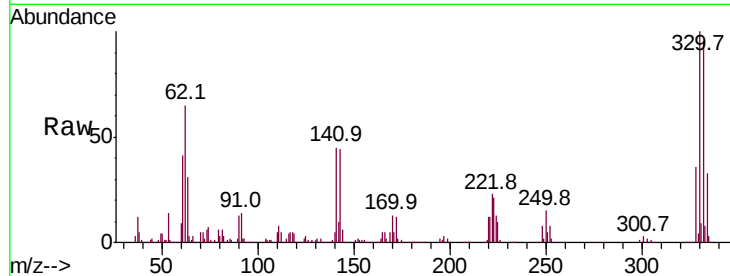
Ion 80.00 (79.70 to 80.70): BG



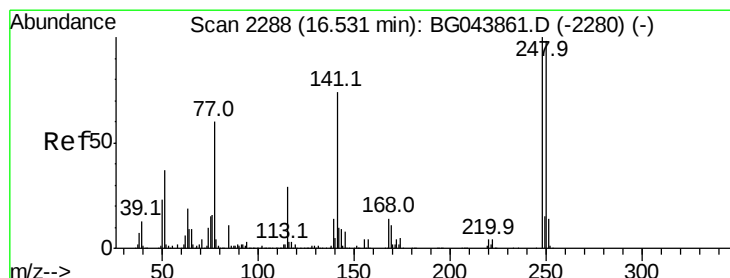
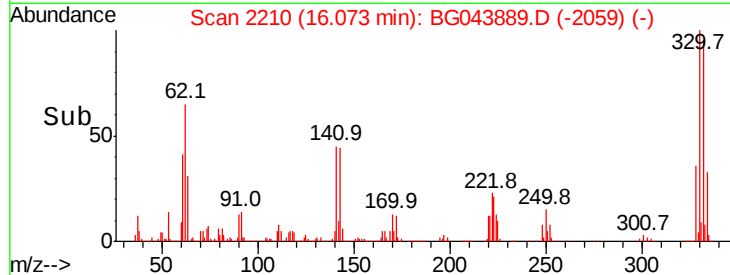
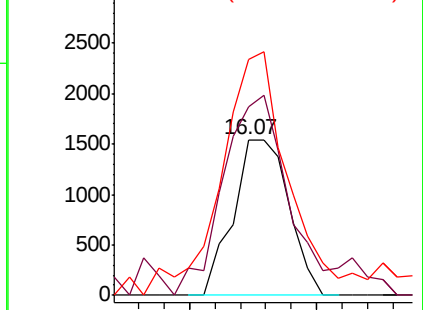


#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.868 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. 0.36 min
 Lab File: BG043889.D
 Acq: 3 Jan 2020 15:59

Tot Ion	Ratio	Lower	Upper
198	100		
51	120.8	22.5	62.5#
105	151.6	22.3	62.3#

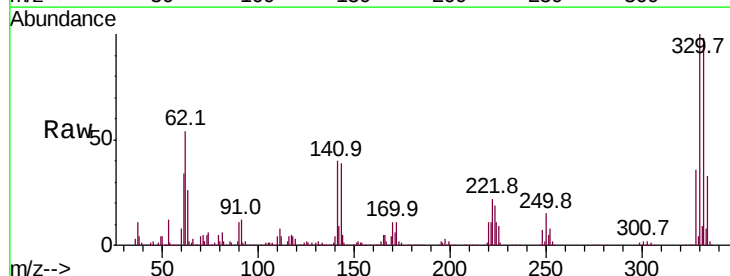


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

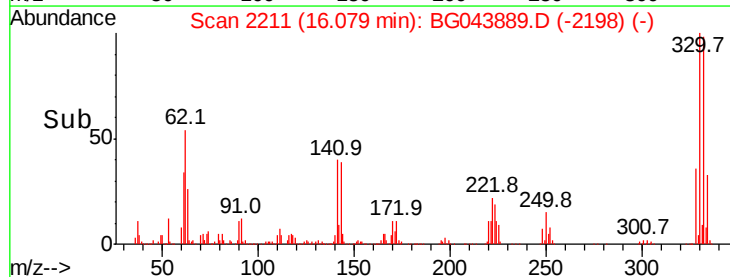
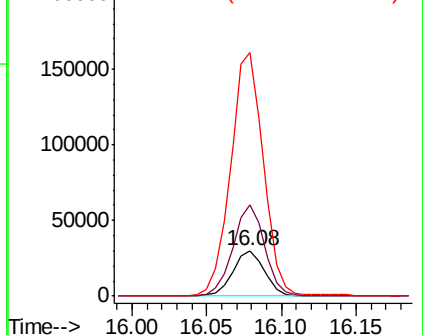


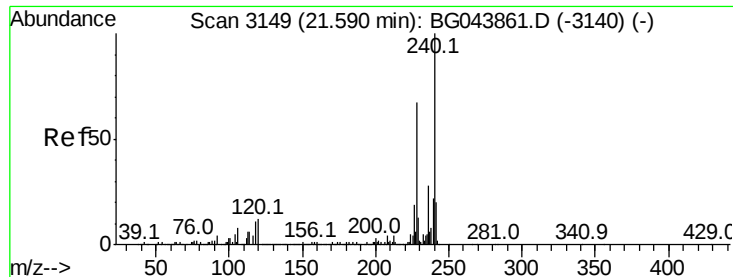
#67
 4-Bromophenyl-phenylether
 Concen: 4.531 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043889.D
 Acq: 3 Jan 2020 15:59

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.1	78.2	117.2#
141	535.4	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# 3148

Delta R.T. -0.01 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

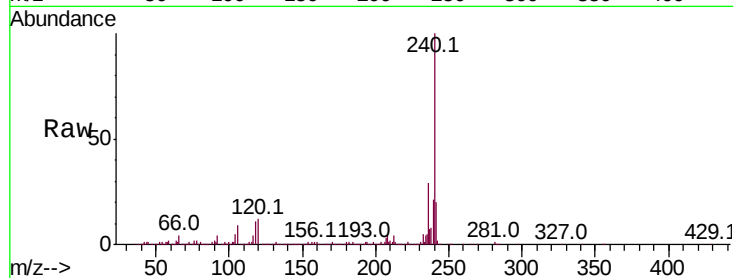
Tot Ion:240 Resp: 743262

Ion Ratio Lower Upper

240 100

120 11.7 9.6 14.4

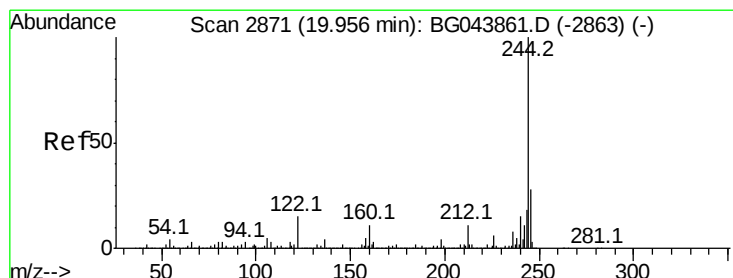
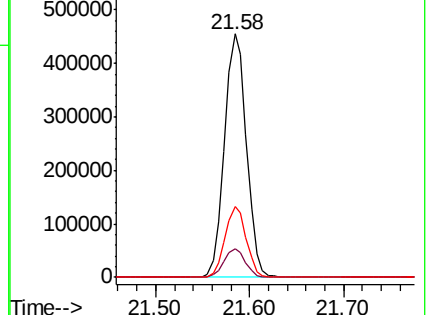
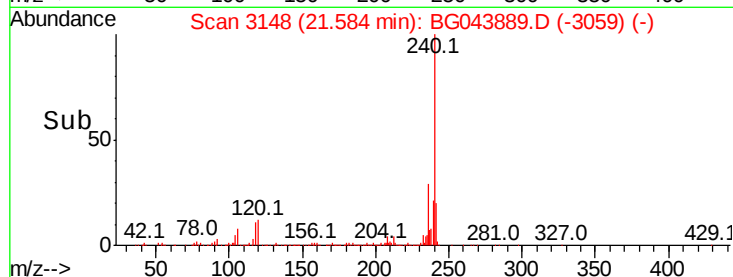
236 28.9 22.2 33.2



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: 88.037 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043889.D

Acq: 3 Jan 2020 15:59

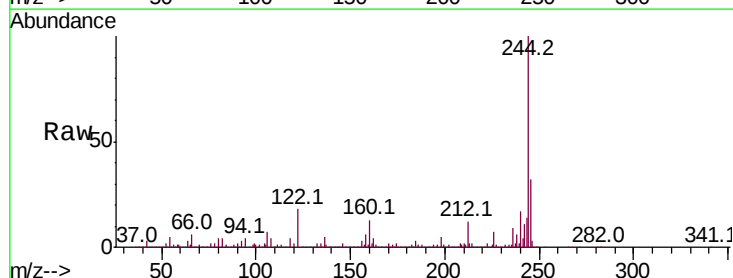
Tgt Ion:244 Resp: 2688603

Ion Ratio Lower Upper

244 100

212 12.3 8.6 13.0

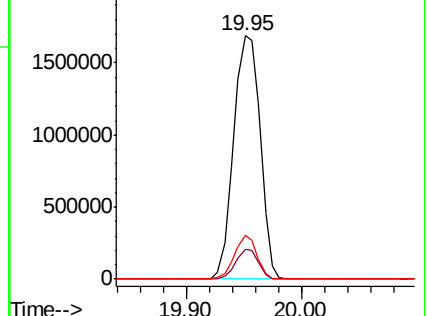
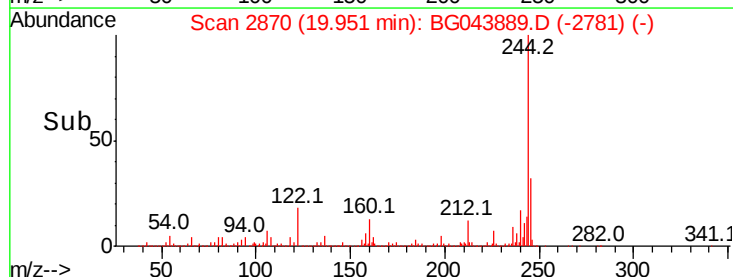
122 17.8 11.9 17.9

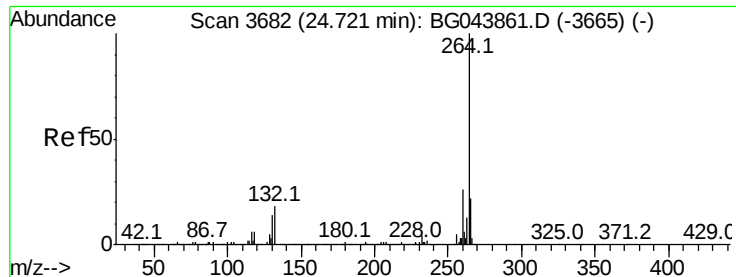


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

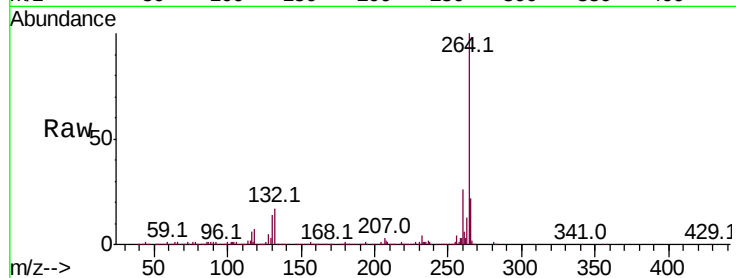
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.72 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG043889.D
Acq: 3 Jan 2020 15:59

Tot	Ion:264	Resp:	843825
Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.4	30.6
265	22.4	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

