

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043892.D
 Acq On : 3 Jan 2020 17:57
 Operator : JU
 Sample : K6461-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 03 22:21:51 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	132465	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	578511	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	398469	20.00	ng	0.00
64) Phenanthrene-d10	17.33	188	876638	20.00	ng	0.00
76) Chrysene-d12	21.59	240	748454	20.00	ng	0.00
87) Perylene-d12	24.71	264	835178	20.00	ng	0.00

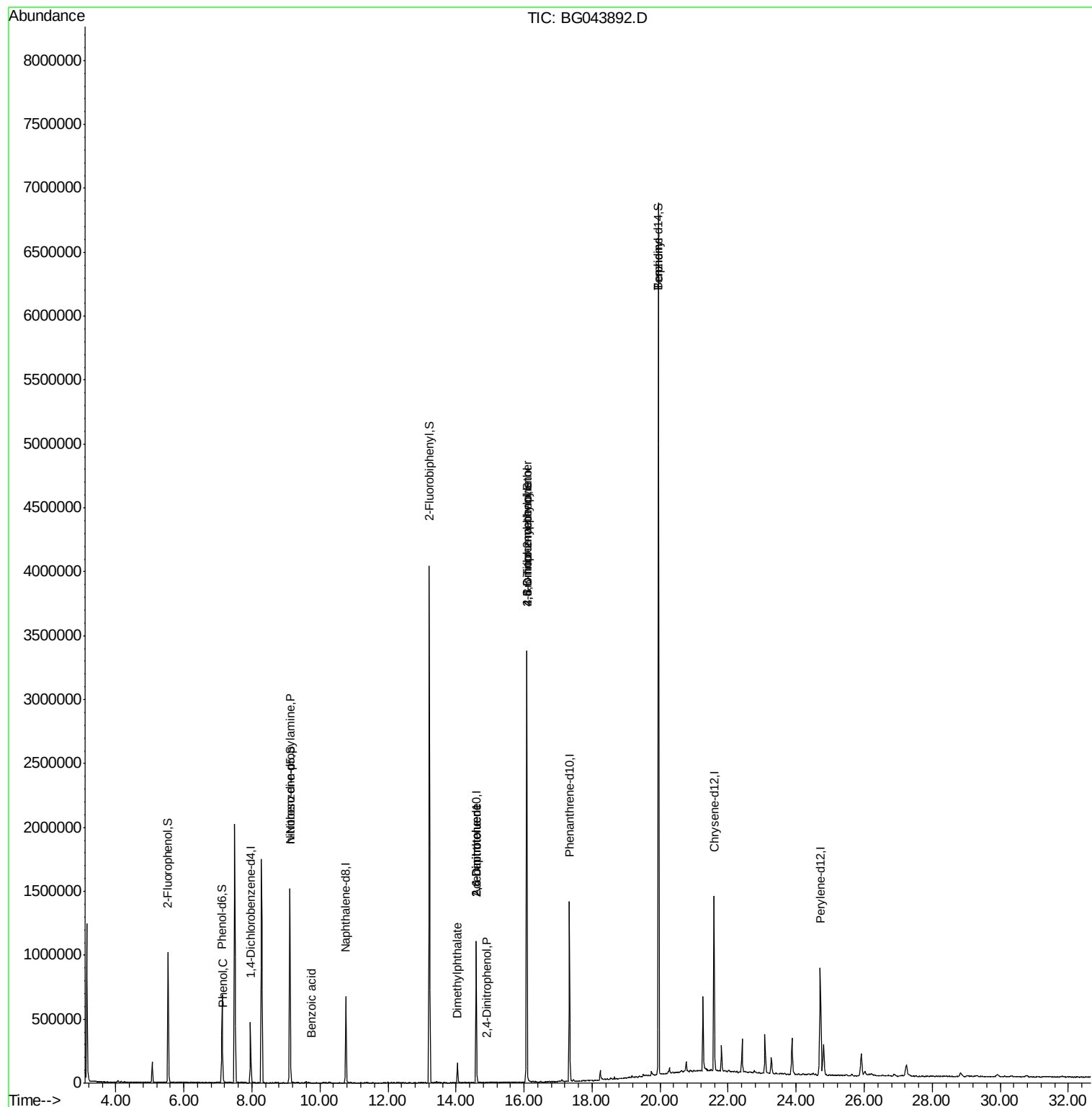
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	471372	65.34	ng	0.00
7) Phenol-d6	7.12	99	414731	41.13	ng	0.00
23) Nitrobenzene-d5	9.12	82	951614	88.00	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	601408	144.23	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1981796	90.11	ng	0.00
79) Terphenyl-d14	19.95	244	2672910	86.51	ng	0.00

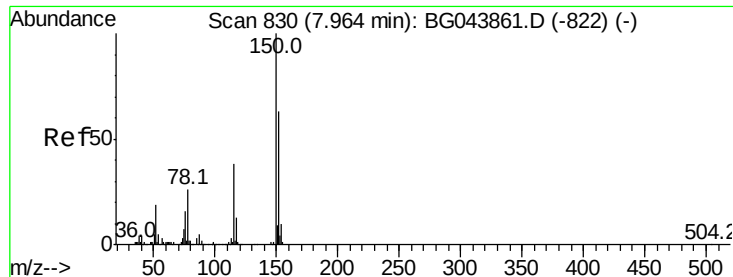
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.14	94	23919	2.302	ng	95
19) n-Nitroso-di-n-propylamine	9.12	70	128278	17.081	ng	# 78
32) Benzoic acid	9.75	122	56	6.270	ng	# 1
50) Dimethylphthalate	14.04	163	102464	3.622	ng	# 97
51) 2,6-Dinitrotoluene	14.59	165	51502	8.054	ng	# 26
54) 2,4-Dinitrophenol	14.91	184	54	5.498	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	51502	5.919	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	2344	4.861	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	44073	4.470	ng	# 1
77) Benzidine	19.95	184	60043	3.192	ng	# 92

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
Data File : BG043892.D
Acq On : 3 Jan 2020 17:57
Operator : JU
Sample : K6461-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 03 22:21:51 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

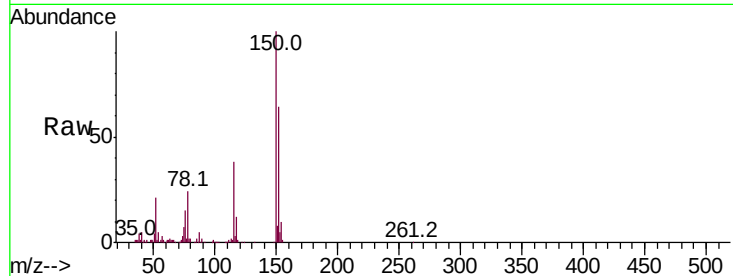




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.0	190.4
115	59.4	47.8	71.8

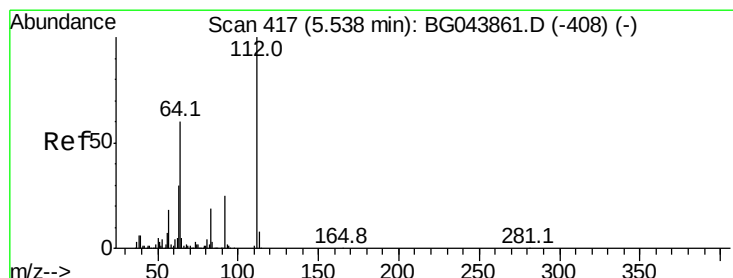
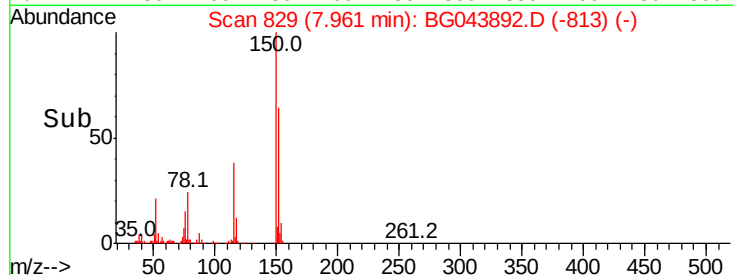
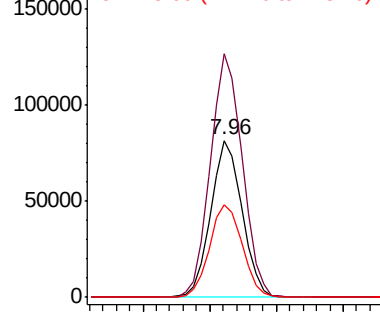


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

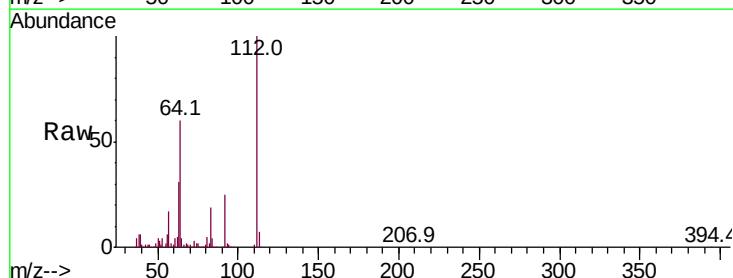
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.338 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.8	71.6
63	30.7	24.3	36.5

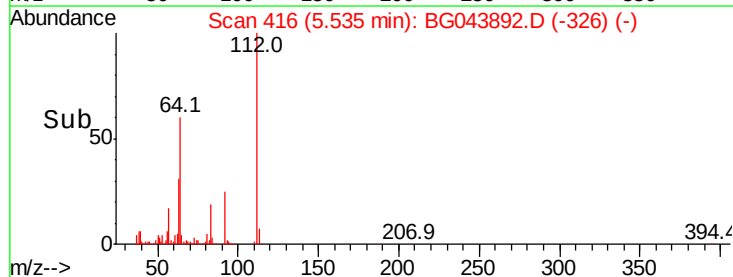
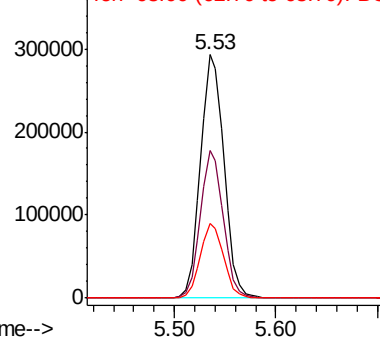


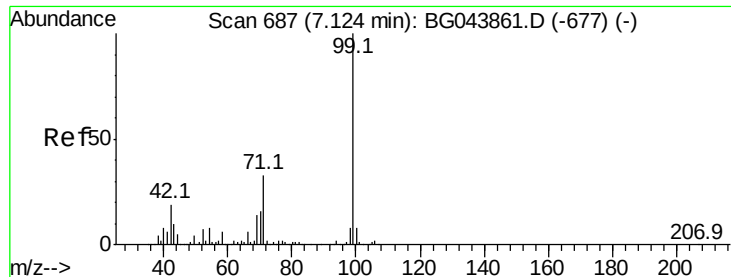
Abundance

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: 41.126 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

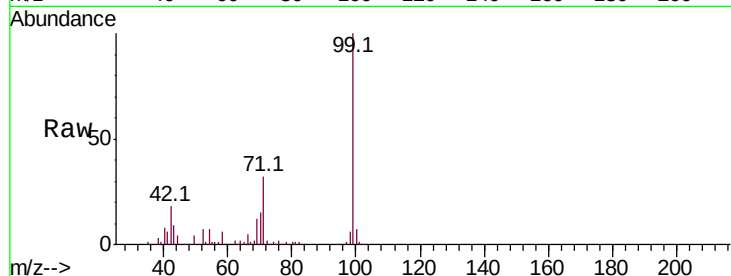
Tot Ion: 99 Resp: 414731

Ion Ratio Lower Upper

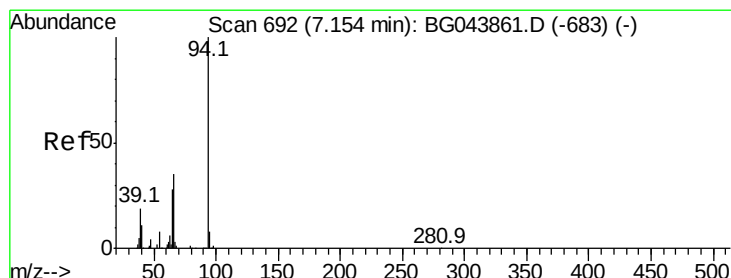
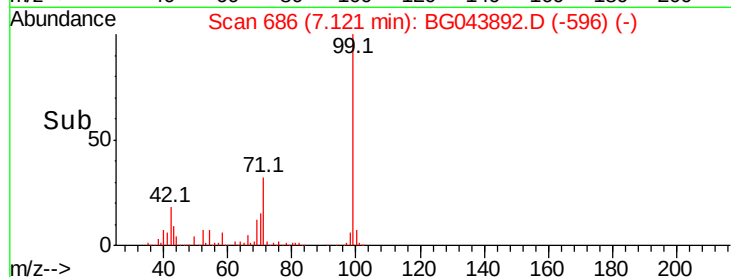
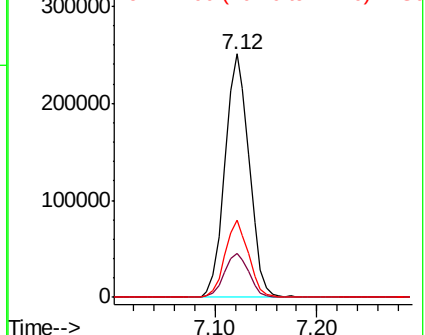
99 100

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



#10

Phenol

Concen: 2.302 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

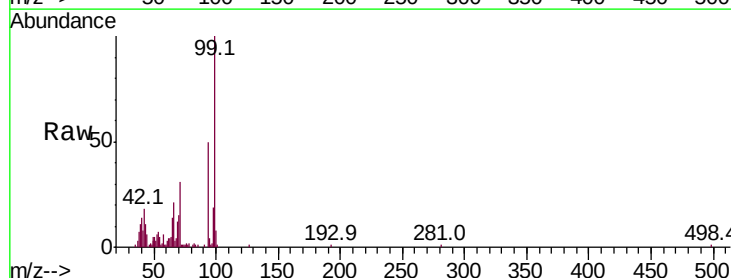
Tgt Ion: 94 Resp: 23919

Ion Ratio Lower Upper

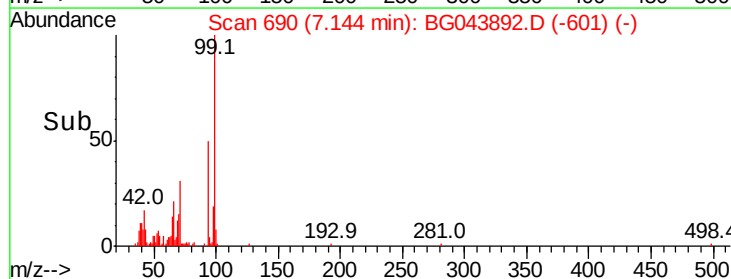
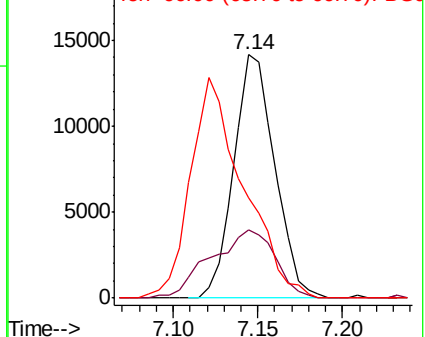
94 100

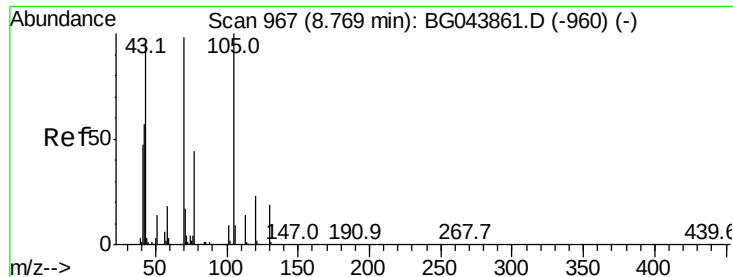
65 27.9 8.1 48.1

66 41.0 15.6 55.6



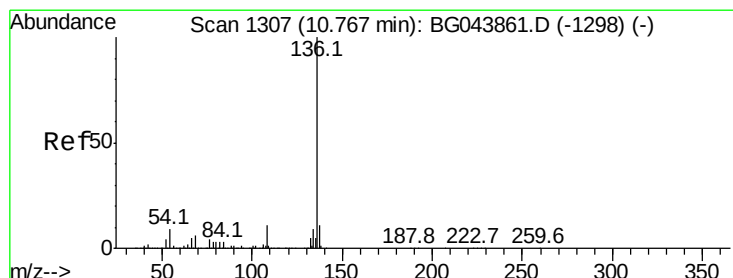
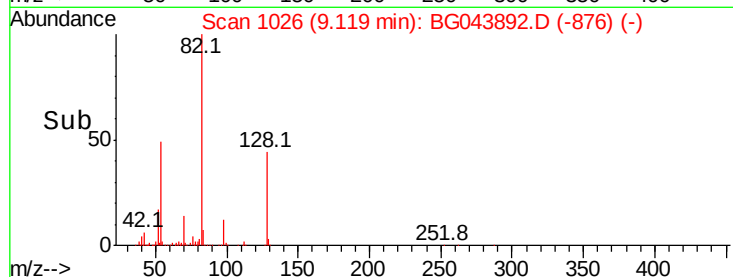
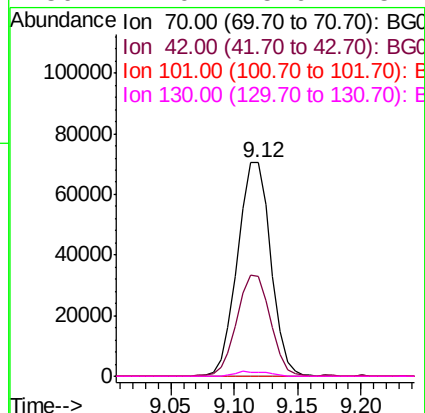
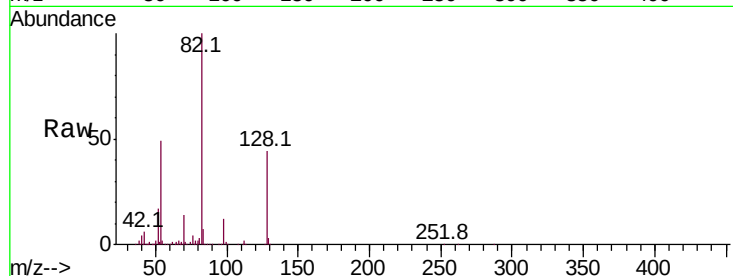
Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





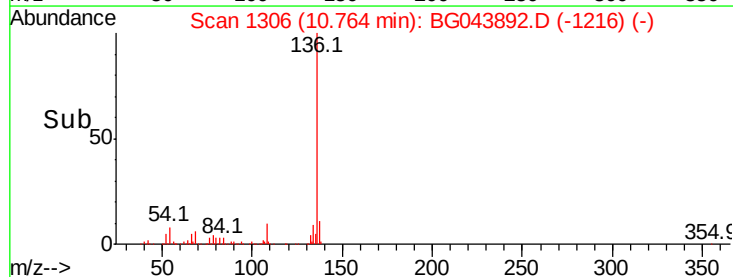
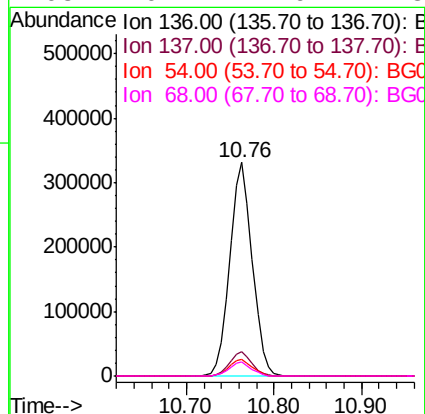
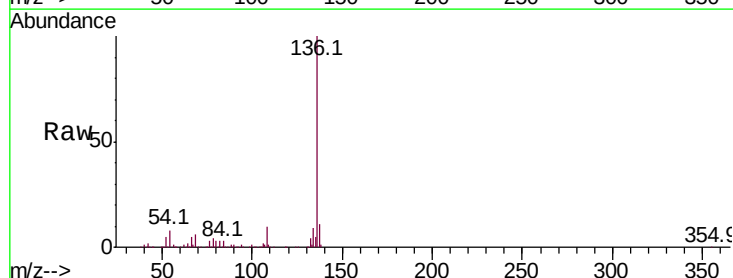
#19
n-Nitroso-di-n-propylamine
Concen: 17.081 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

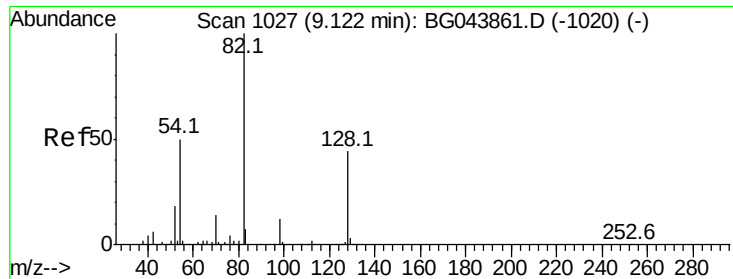
Tot Ion: 70 Resp: 128278
Ion Ratio Lower Upper
70 100
42 47.0 47.0 70.4
101 0.0 7.2 10.8#
130 2.0 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

Tgt Ion:136 Resp: 578511
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.1 7.0 10.4
68 6.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 87.997 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

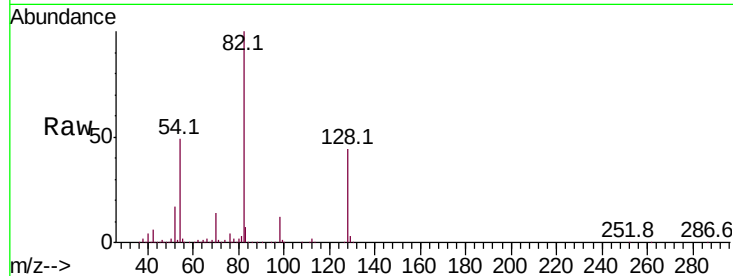
Tot Ion: 82 Resp: 951614

Ion Ratio Lower Upper

82 100

128 44.3 35.1 52.7

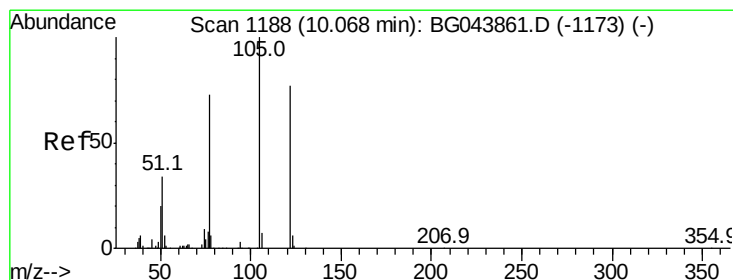
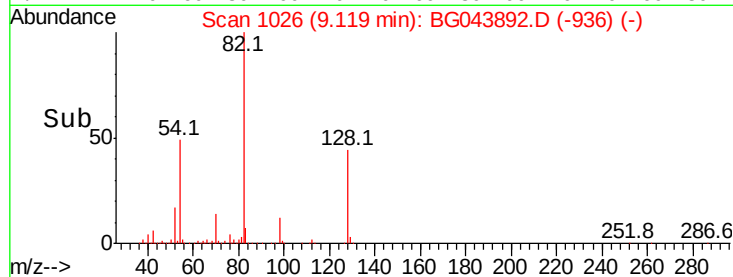
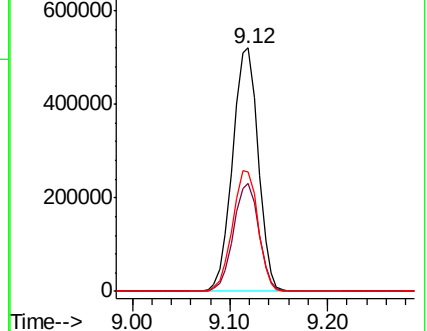
54 48.9 40.1 60.1



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: 6.270 ng

RT: 9.75 min Scan# 1134

Delta R.T. -0.31 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

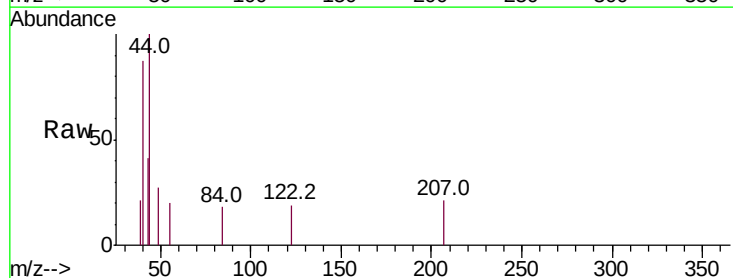
Tgt Ion: 122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

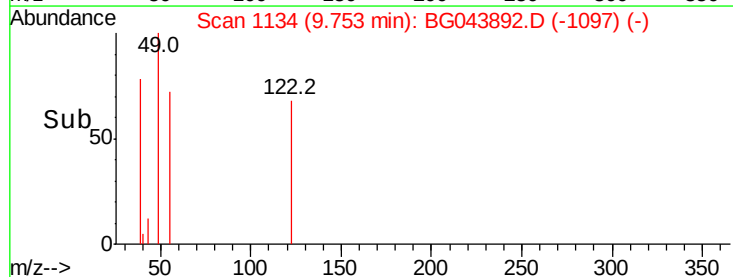
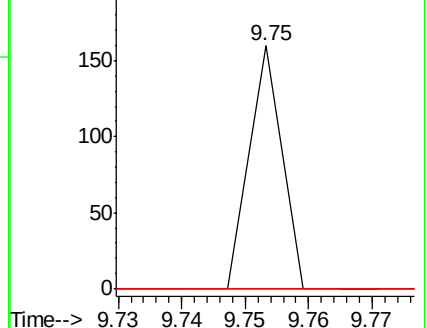
77 0.0 74.6 114.6#

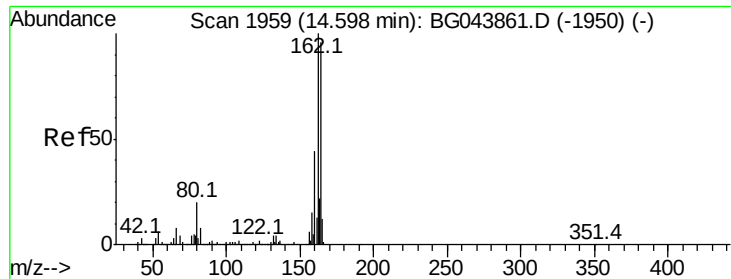


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

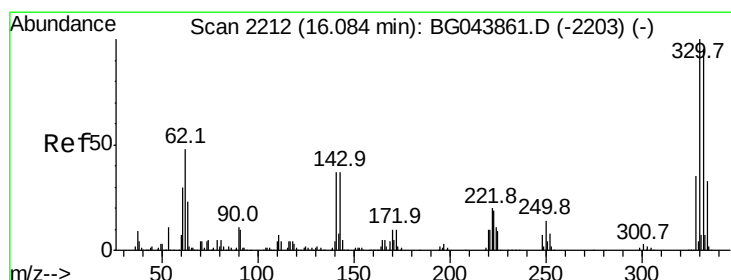
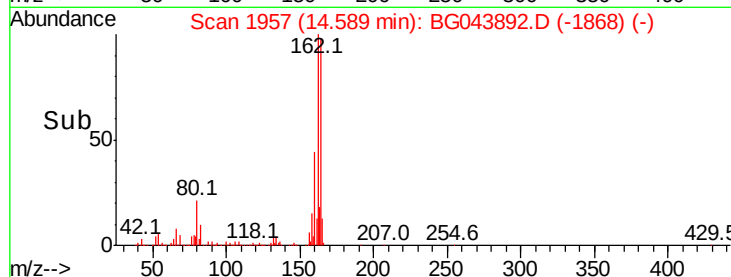
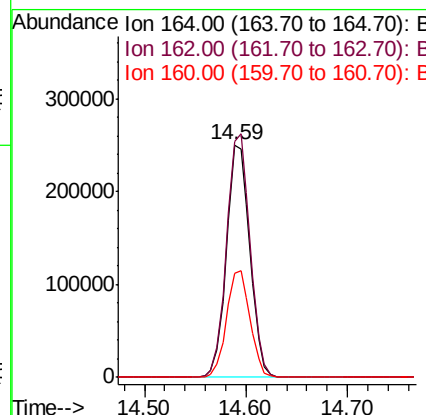
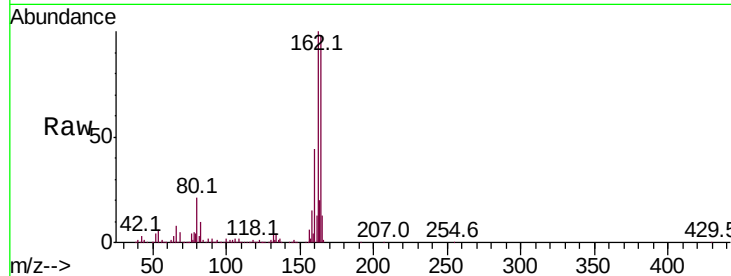
Ion 77.00 (76.70 to 77.70): BGC





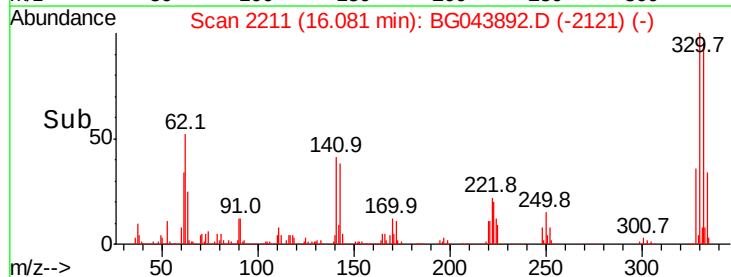
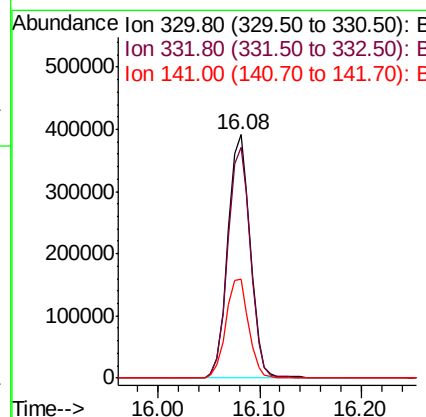
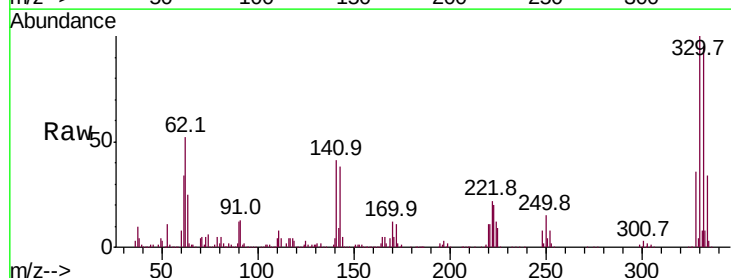
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

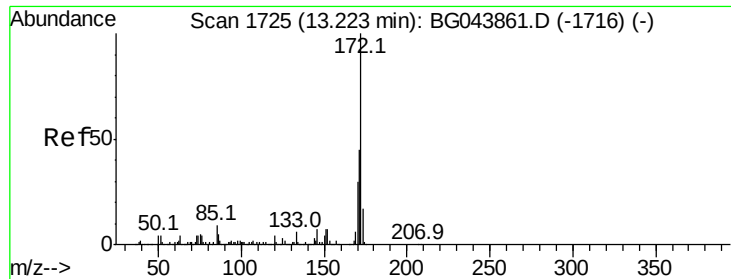
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.0	124.4
160	44.8	36.1	54.1



#42
2,4,6-Tribromophenol
Concen: 144.226 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	41.3	33.1	49.7





#45

2-Fluorobiphenyl

Concen: 90.109 ng

RT: 13.22 min Scan# 1724

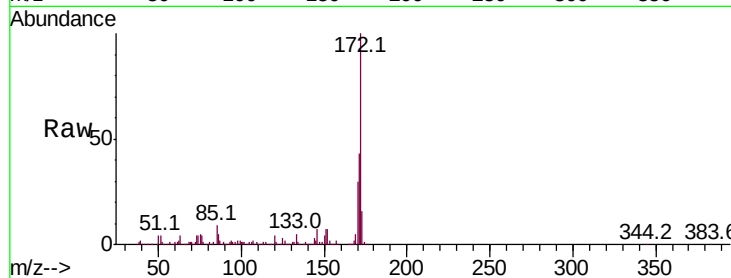
Delta R.T. -0.00 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tot Ion:172 Resp: 1981796

Ion	Ratio	Lower	Upper
172	100		
171	42.7	35.8	53.8
170	29.5	24.2	36.4

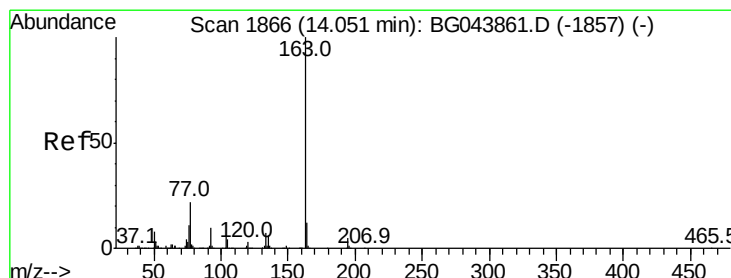
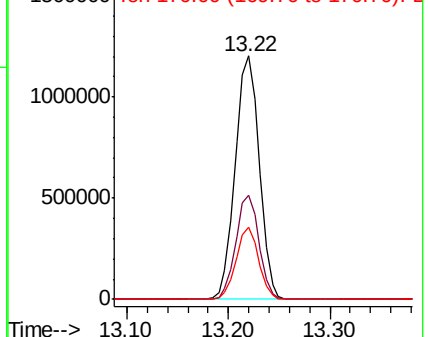
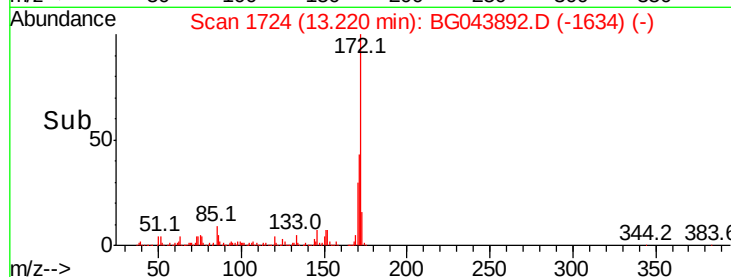


Abundance

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: 3.622 ng

RT: 14.04 min Scan# 1864

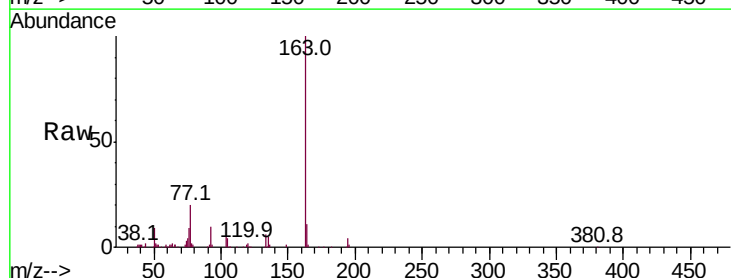
Delta R.T. -0.01 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tgt Ion:163 Resp: 102464

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.7	5.5#
164	10.6	9.3	13.9

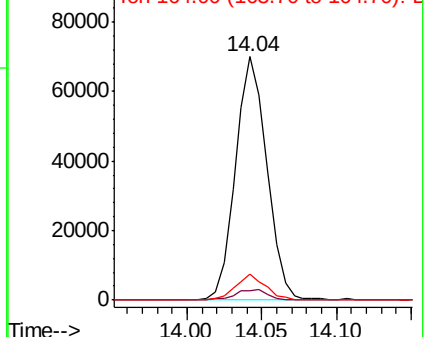
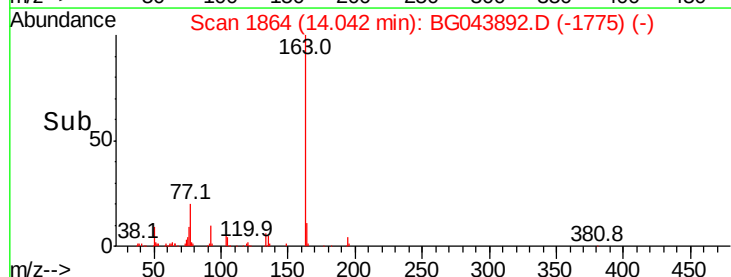


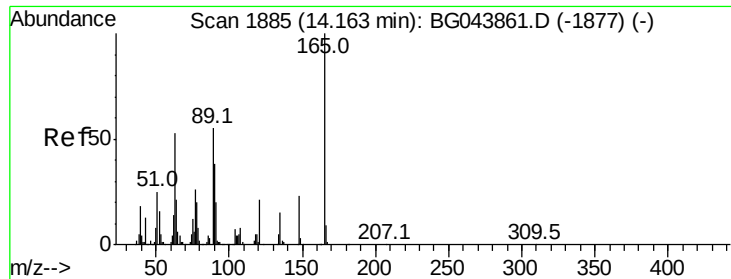
Abundance

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: 8.054 ng

RT: 14.59 min Scan# 1957

Delta R.T. 0.43 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

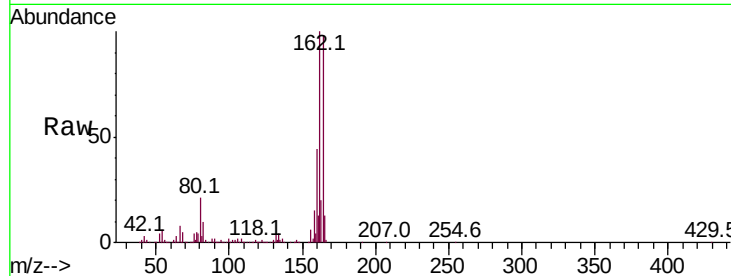
Tot Ion:165 Resp: 51502

Ion Ratio Lower Upper

165 100

63 1.4 43.1 64.7#

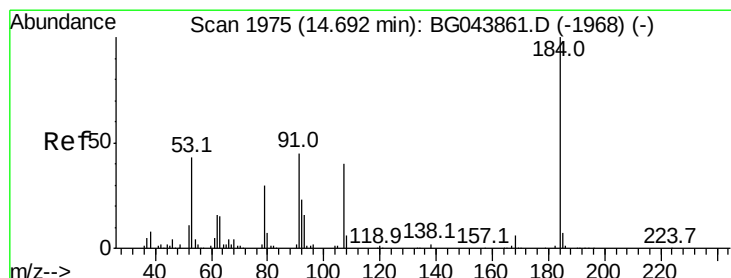
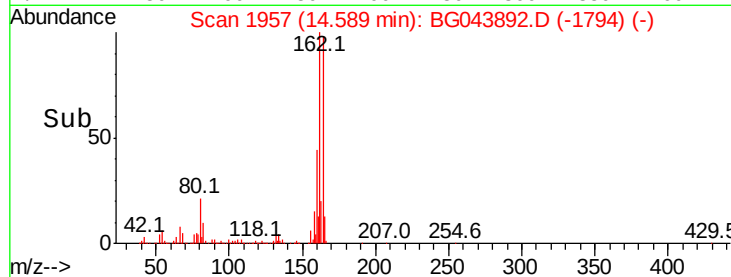
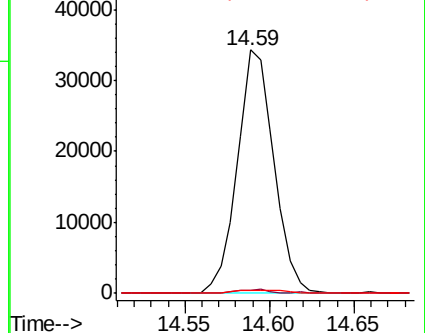
89 1.3 43.8 65.6#



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



#54

2,4-Dinitrophenol

Concen: 5.498 ng

RT: 14.91 min Scan# 2012

Delta R.T. 0.22 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

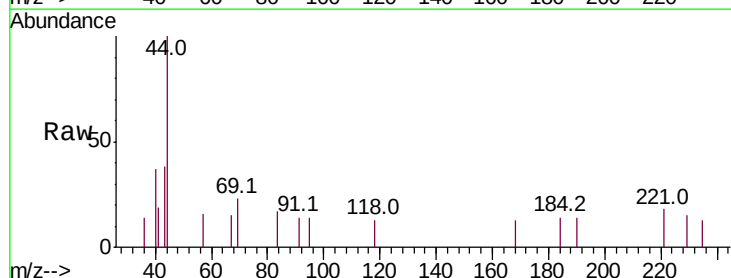
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

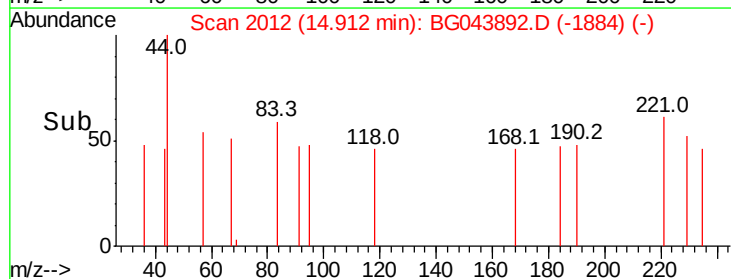
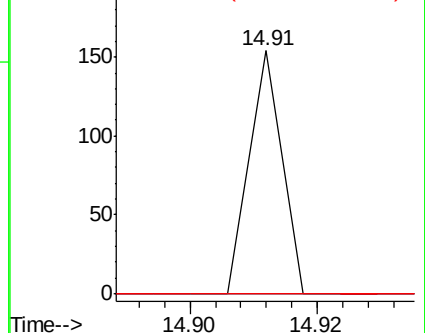
154 0.0 50.2 75.4#

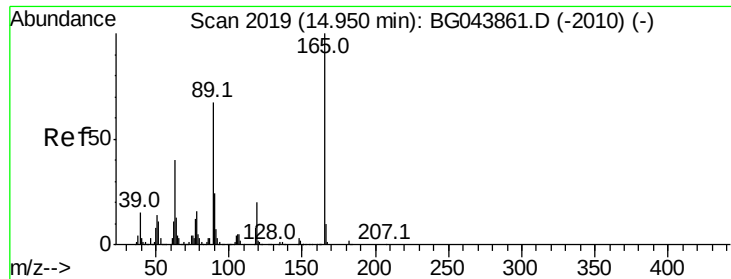


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.919 ng

RT: 14.59 min Scan# 1957

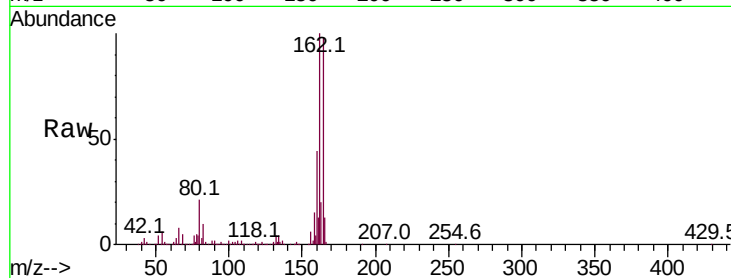
Delta R.T. -0.36 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tot Ion:165 Resp: 51502

Ion	Ratio	Lower	Upper
165	100		
63	1.4	31.9	47.9#
89	1.3	53.8	80.6#
182	0.0	2.0	3.0#



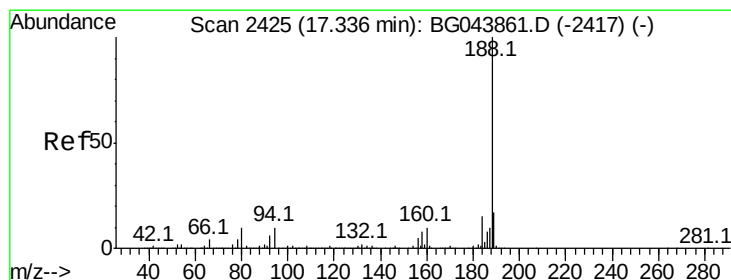
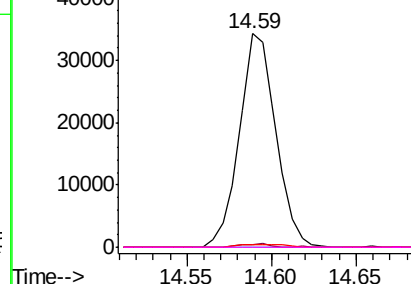
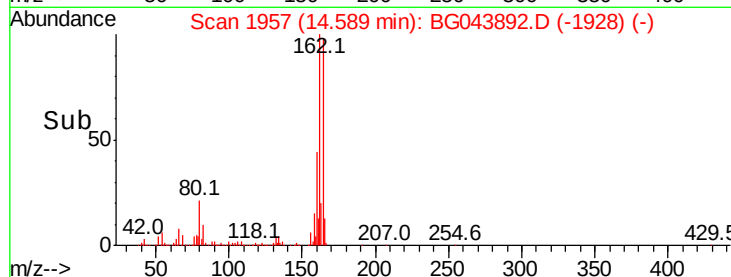
Abundance

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: 17.33 min Scan# 2424

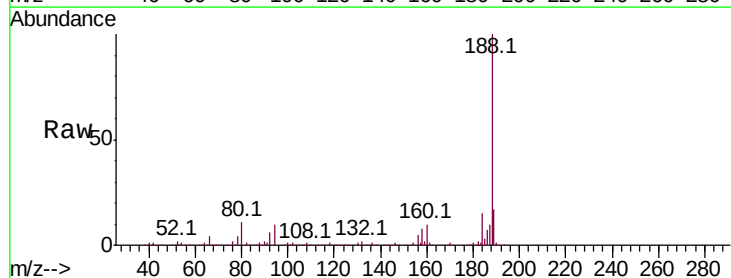
Delta R.T. -0.00 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tgt Ion:188 Resp: 876638

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.9	11.9
80	10.8	8.2	12.4

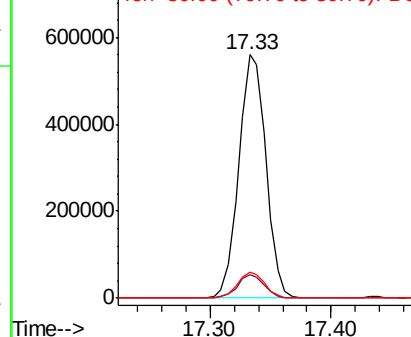
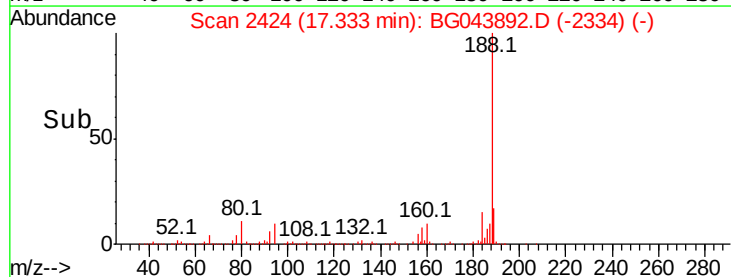


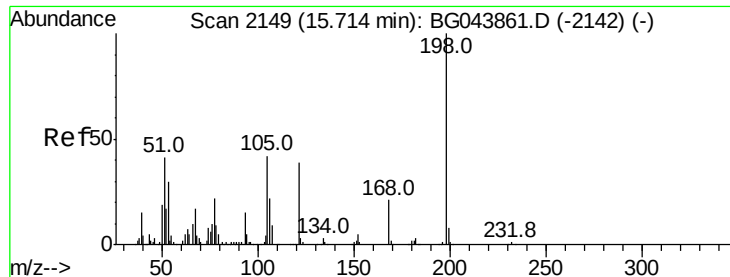
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

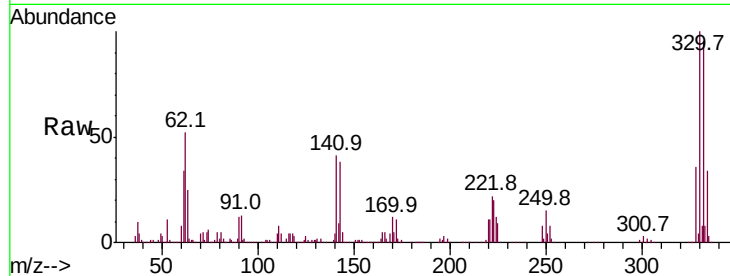
Ion 80.00 (79.70 to 80.70): BG



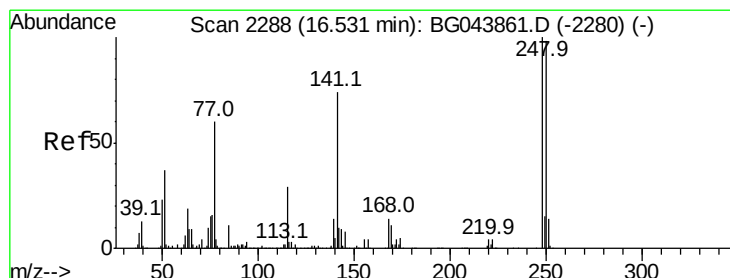
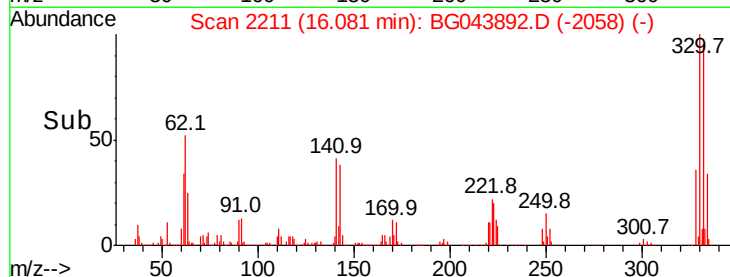
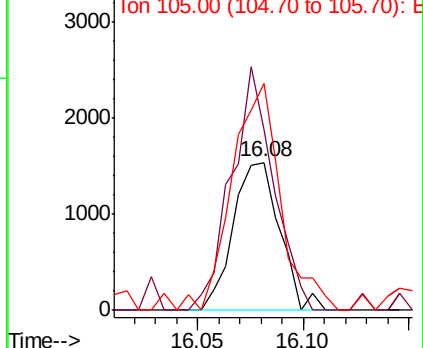


#65
4,6-Dinitro-2-methylphenol
Concen: 4.861 ng
RT: 16.08 min Scan# 2211
Delta R.T. 0.37 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

Tot Ion	Ratio	Lower	Upper
198	100		
51	122.1	22.5	62.5#
105	153.5	22.3	62.3#

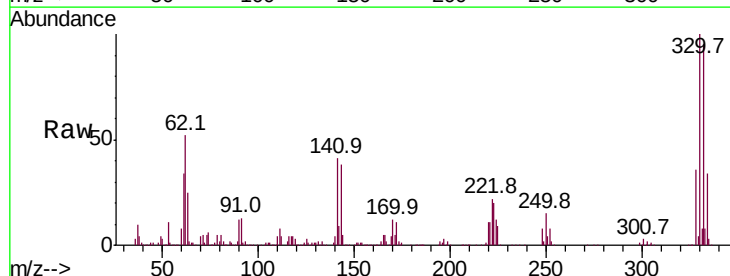


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

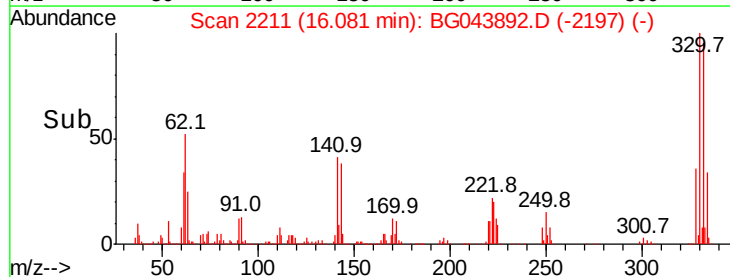
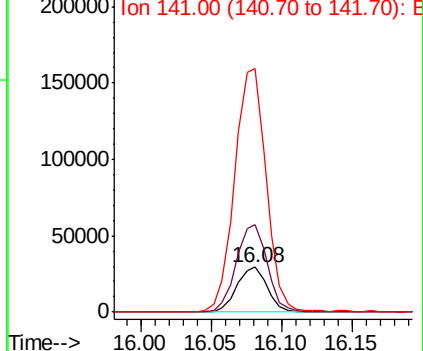


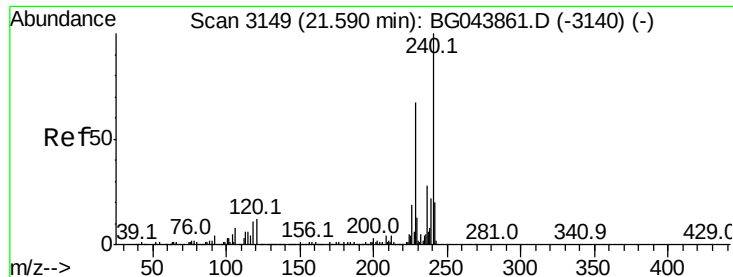
#67
4-Bromophenyl-phenylether
Concen: 4.470 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.45 min
Lab File: BG043892.D
Acq: 3 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
248	100		
250	193.0	78.2	117.2#
141	539.0	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

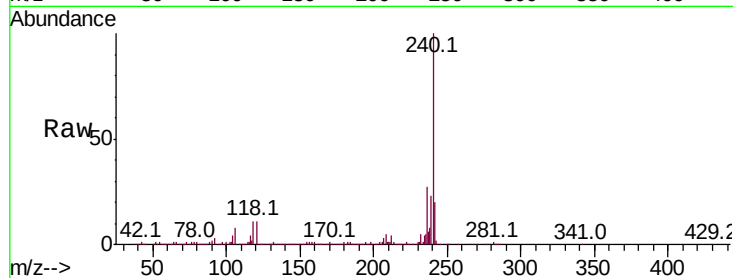
Delta R.T. -0.00 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tot Ion:240 Resp: 748454

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.6	14.4
236	27.4	22.2	33.2

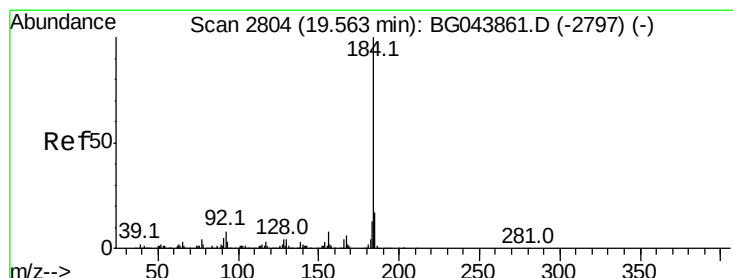
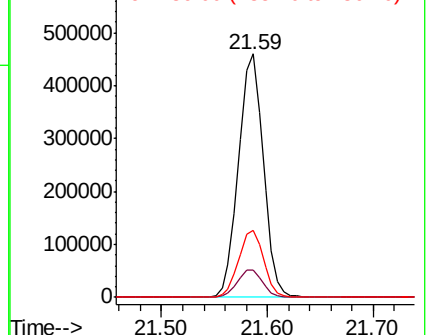
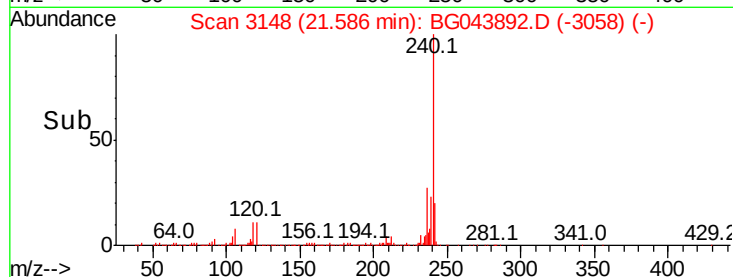


Abundance

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



#77

Benzidine

Concen: 3.192 ng

RT: 19.95 min Scan# 2870

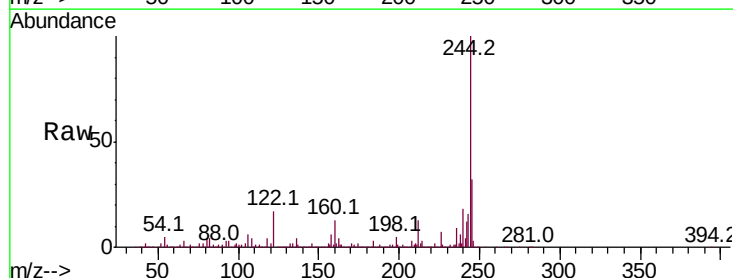
Delta R.T. 0.39 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tgt Ion:184 Resp: 60043

Ion	Ratio	Lower	Upper
184	100		
185	15.7	13.4	20.0
183	7.4	10.6	15.8

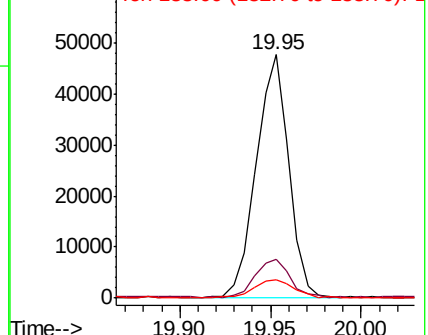
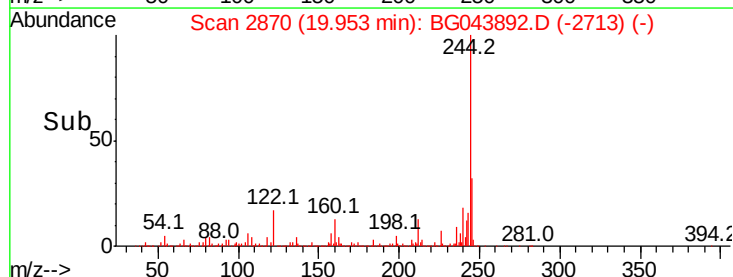


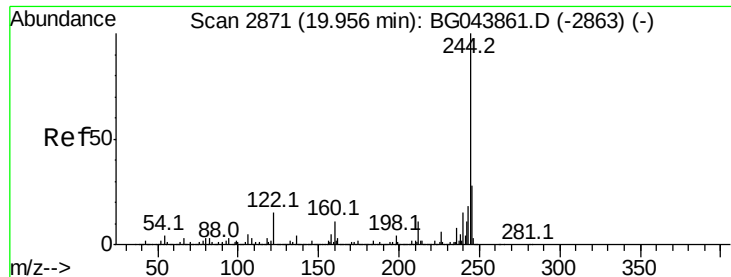
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 86.508 ng

RT: 19.95 min Scan# 2870

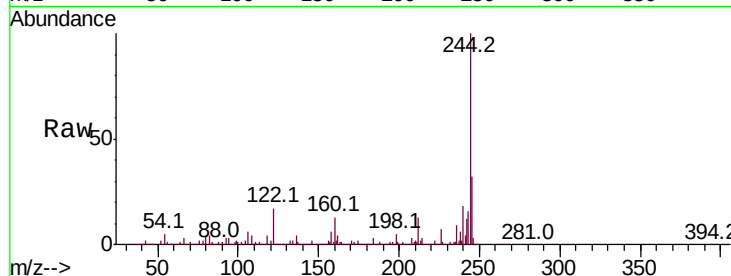
Delta R.T. -0.00 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tot Ion:244 Resp: 2672910

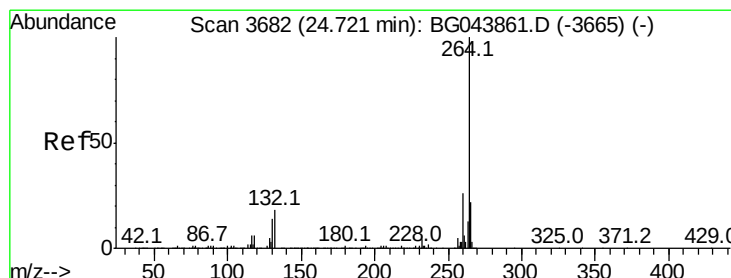
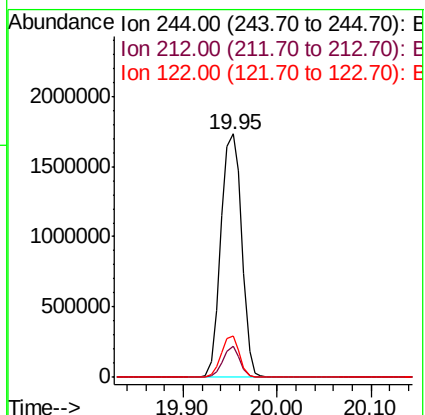
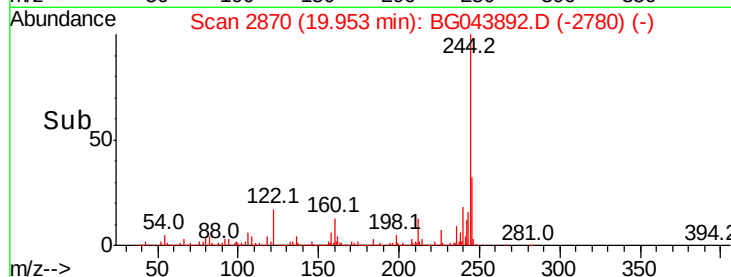
Ion	Ratio	Lower	Upper
244	100		
212	12.8	8.6	13.0
122	17.1	11.9	17.9



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

Perylene-d12

Concen: 20.000 ng

RT: 24.71 min Scan# 3680

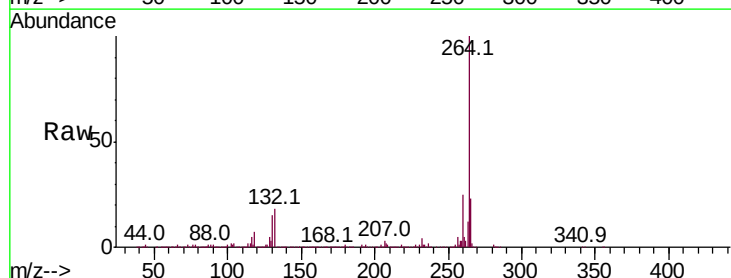
Delta R.T. -0.01 min

Lab File: BG043892.D

Acq: 3 Jan 2020 17:57

Tgt Ion:264 Resp: 835178

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.4	30.6
265	23.1	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

