

Data File : BG043897.D
Acq On : 3 Jan 2020 21:13
Operator : JU
Sample : K6464-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 04 04:42:48 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	126665	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	559926	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	380321	20.00	ng	0.00
64) Phenanthrene-d10	17.33	188	831403	20.00	ng	0.00
76) Chrysene-d12	21.59	240	726898	20.00	ng	0.00
87) Perylene-d12	24.71	264	822189	20.00	ng	0.00

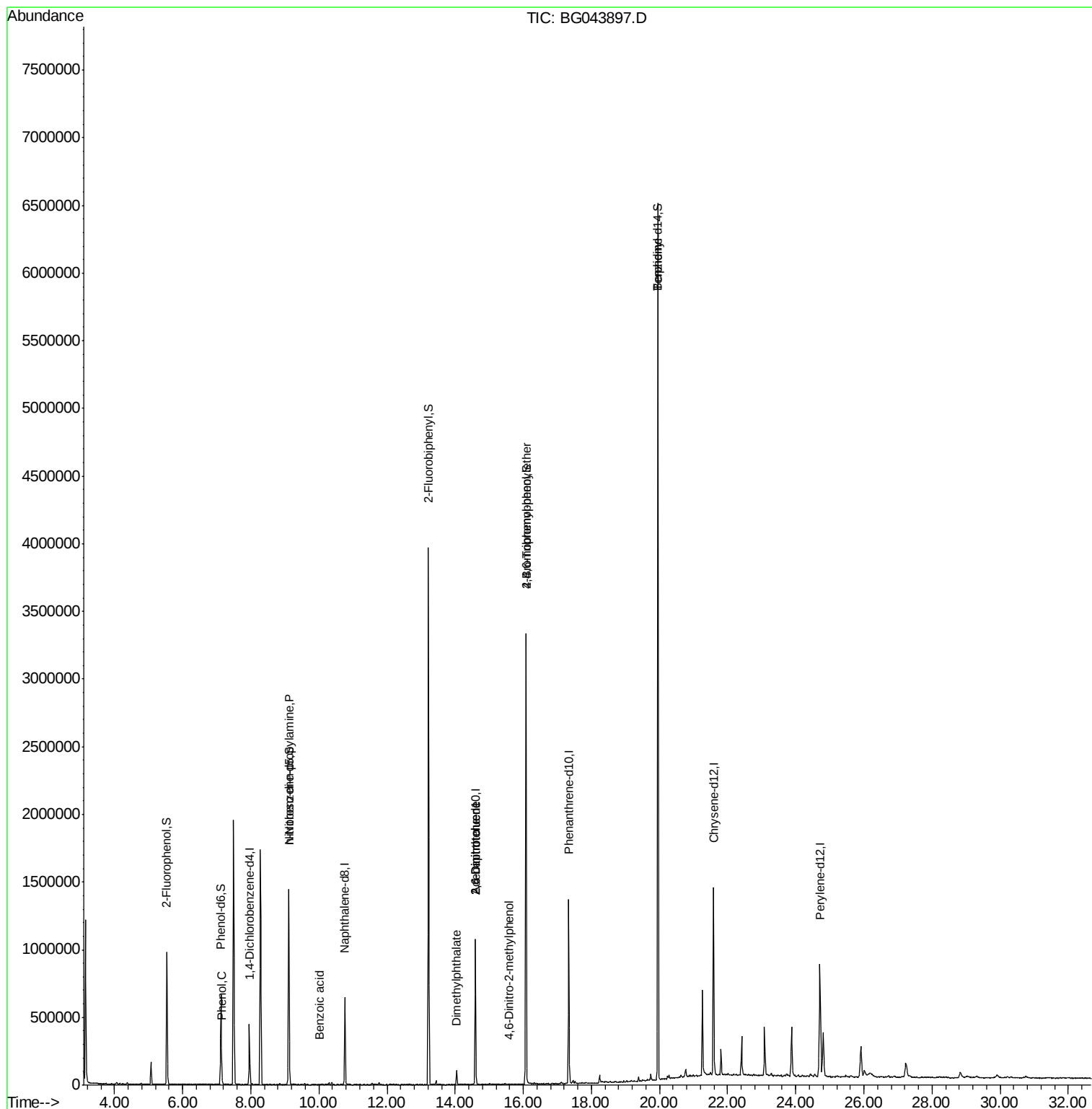
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	464351	67.31	ng	0.00
7) Phenol-d6	7.12	99	417811	43.33	ng	0.00
23) Nitrobenzene-d5	9.12	82	917613	87.67	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	587387	147.59	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1934278	92.14	ng	0.00
79) Terphenyl-d14	19.95	244	2690259	90.85	ng	0.00

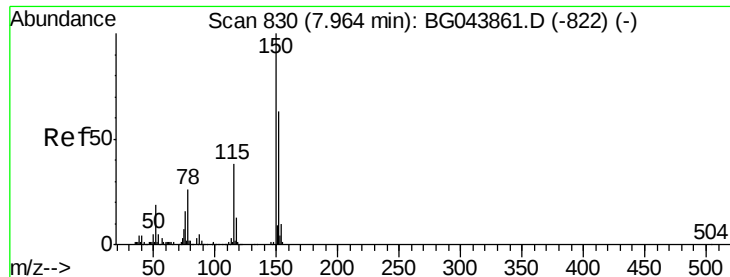
Target Compounds				Qvalue		
10) Phenol	7.15	94	30965	3.117	ng	99
19) n-Nitroso-di-n-propylamine	9.12	70	123514	17.200	ng	# 78
32) Benzoic acid	10.04	122	76	6.273	ng	# 37
50) Dimethylphthalate	14.04	163	73073	2.706	ng	99
51) 2,6-Dinitrotoluene	14.59	165	50213	8.227	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	50213	6.046	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.57	198	67	4.404	ng	# 19
67) 4-Bromophenyl-phenylether	16.08	248	42904	4.588	ng	# 1
77) Benzidine	19.95	184	58381	3.195	ng	# 94

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

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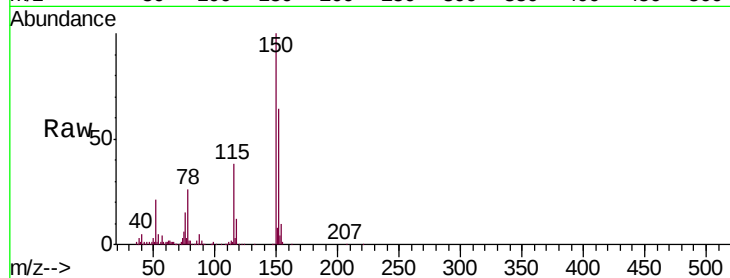




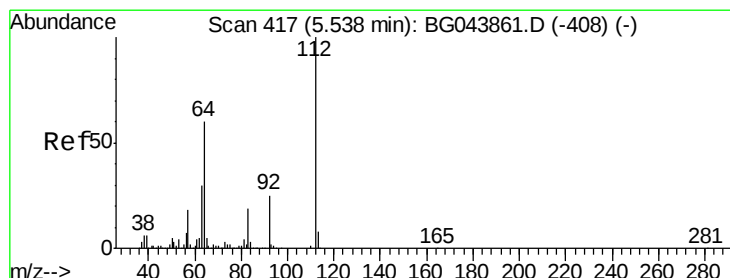
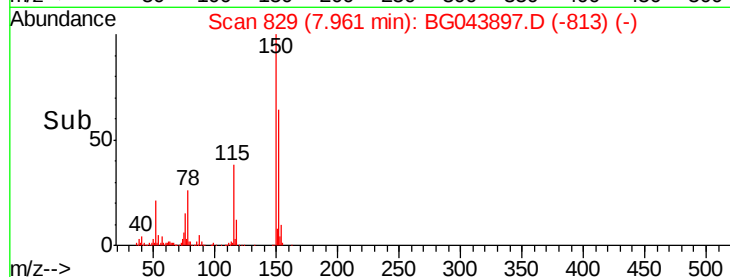
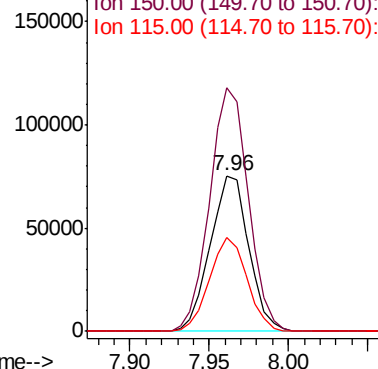
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.0	190.4
115	60.2	47.8	71.8



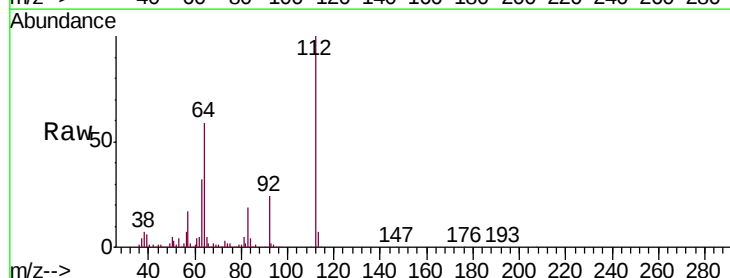
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



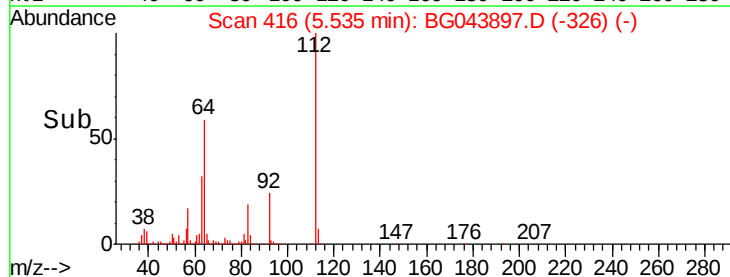
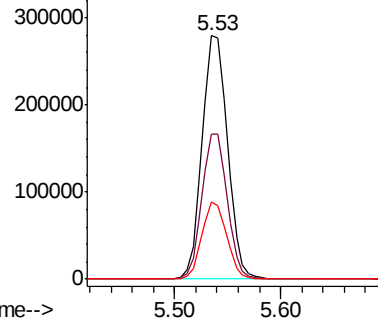
#5

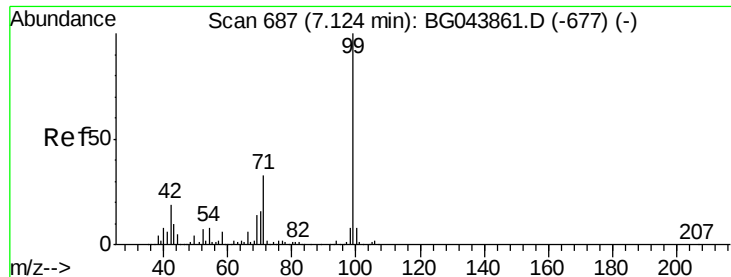
2-Fluorophenol
Concen: 67.312 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.8	71.6
63	31.7	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: 43.329 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043897.D

Acq: 3 Jan 2020 21:13

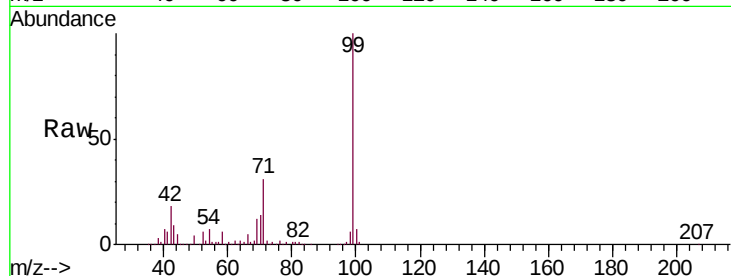
Tgt Ion: 99 Resp: 417811

Ion Ratio Lower Upper

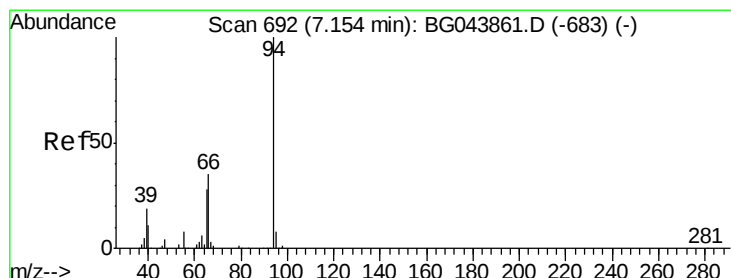
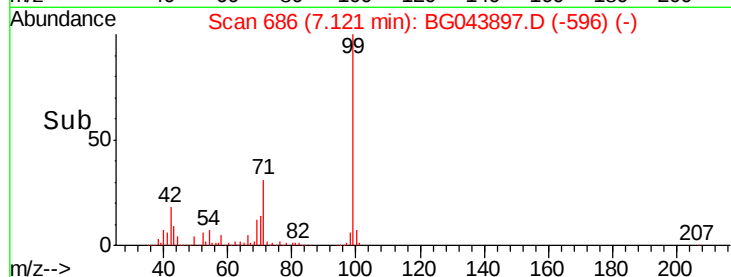
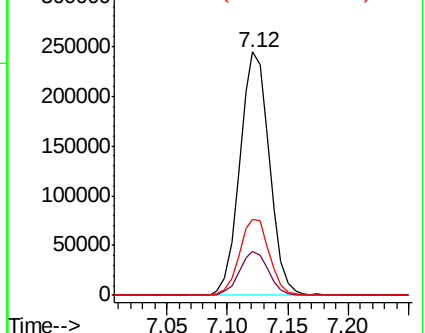
99 100

42 18.1 14.9 22.3

71 31.1 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: 3.117 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG043897.D

Acq: 3 Jan 2020 21:13

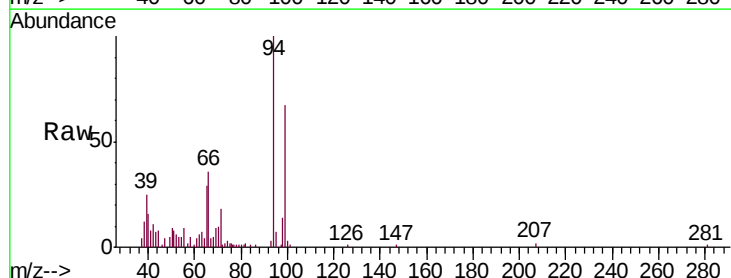
Tgt Ion: 94 Resp: 30965

Ion Ratio Lower Upper

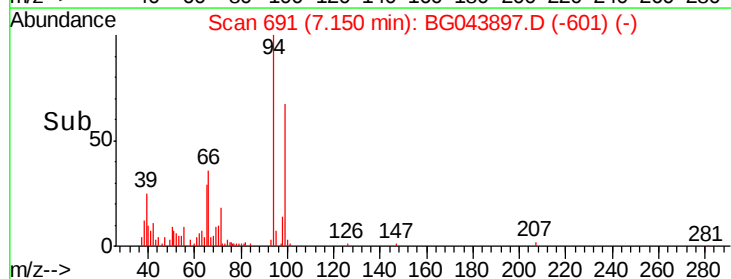
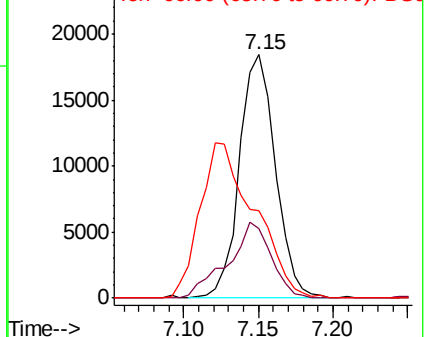
94 100

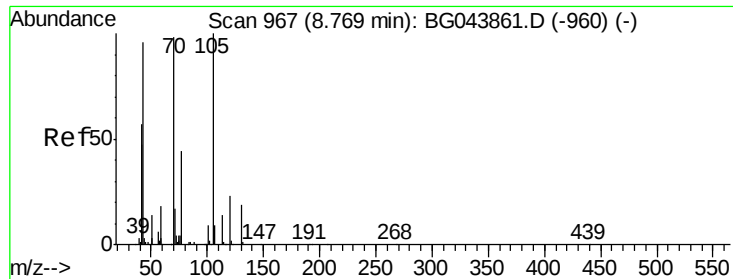
65 28.8 8.1 48.1

66 36.1 15.6 55.6



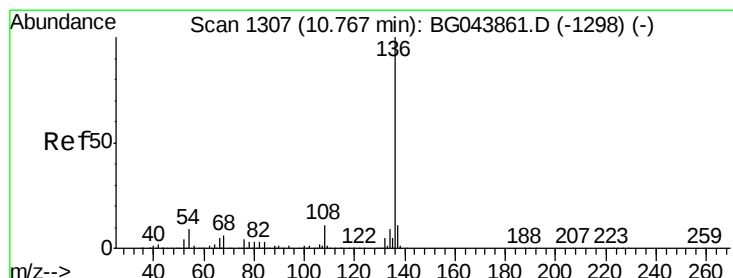
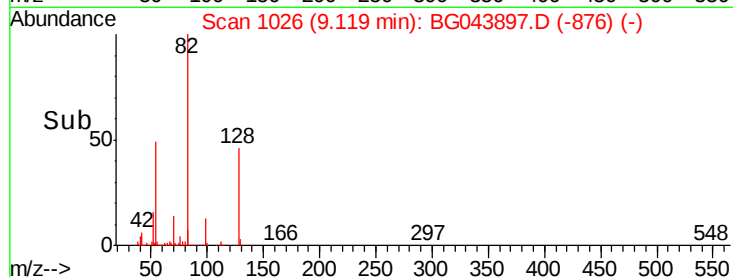
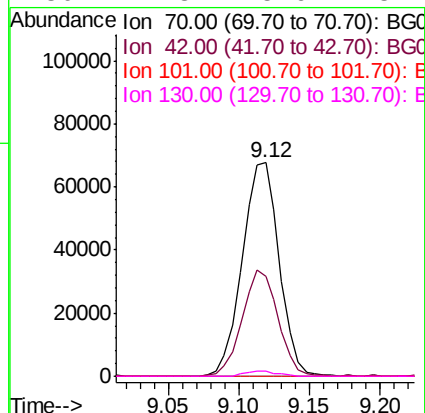
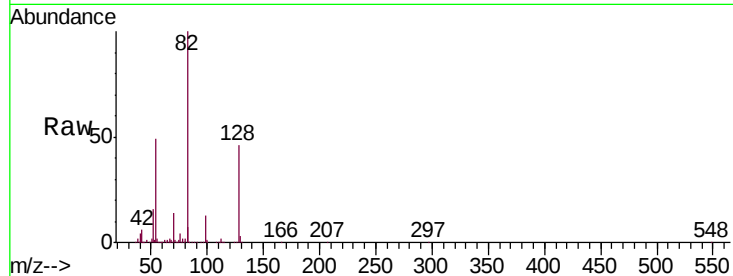
Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





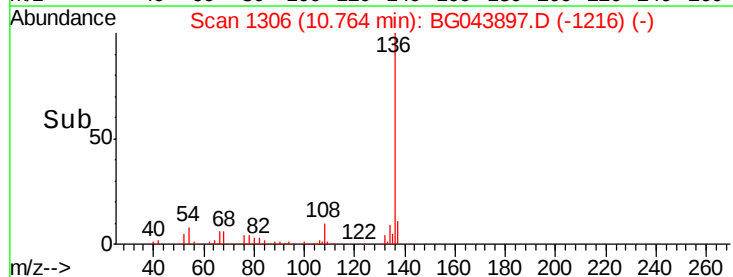
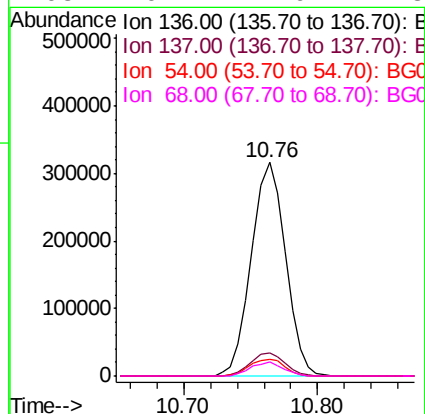
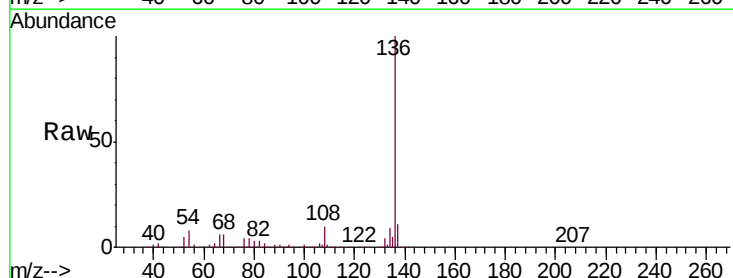
#19
n-Nitroso-di-n-propylamine
Concen: 17.200 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

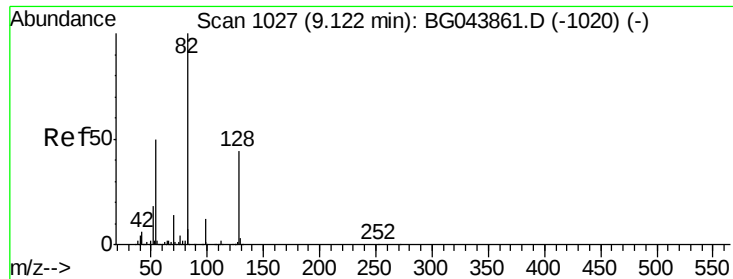
Tgt Ion:	70	Resp:	123514
Ion	Ratio	Lower	Upper
70	100		
42	46.9	47.0	70.4#
101	0.0	7.2	10.8#
130	2.3	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

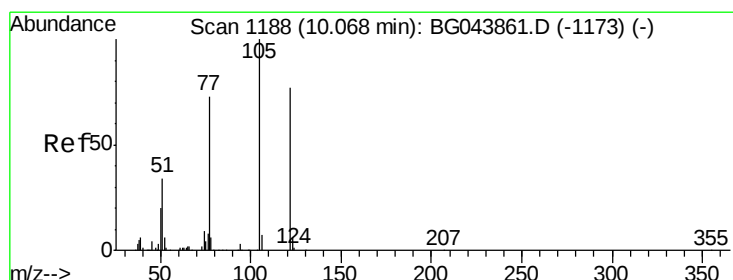
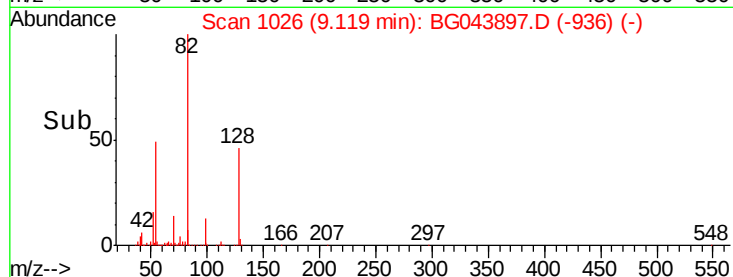
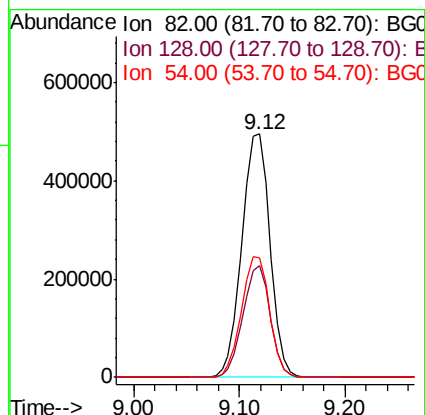
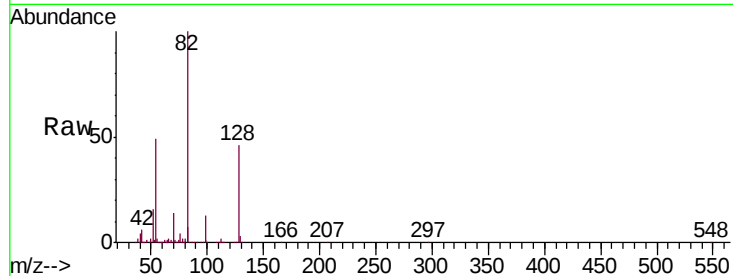
Tgt Ion:	136	Resp:	559926
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	7.0	10.4
68	6.4	4.9	7.3





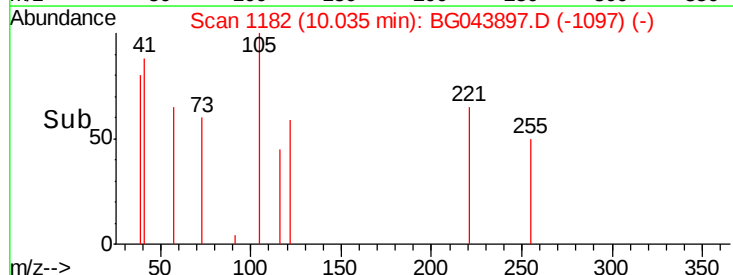
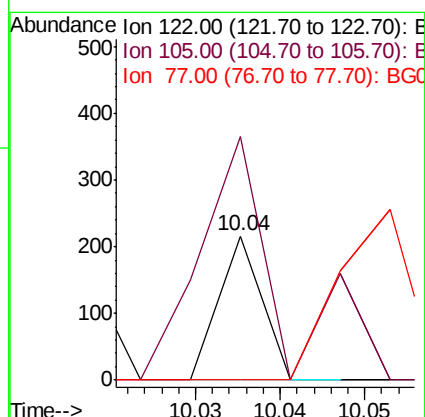
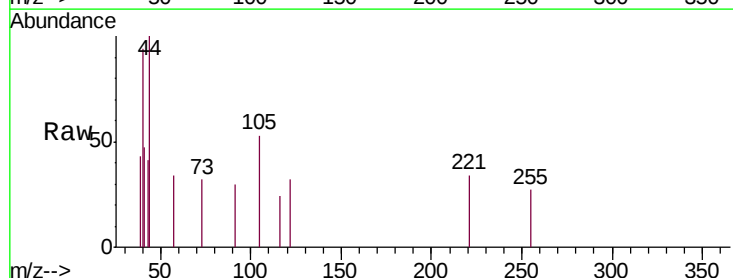
#23
Nitrobenzene-d5
Concen: 87.670 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

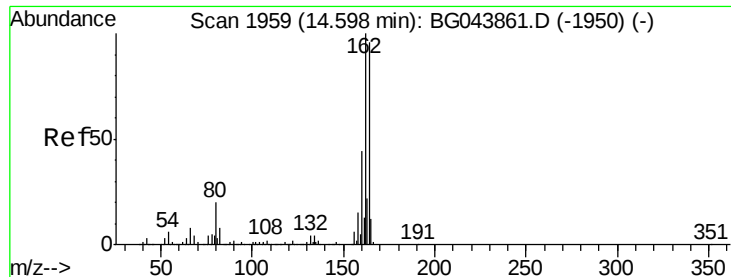
Tgt Ion: 82 Resp: 917613
Ion Ratio Lower Upper
82 100
128 45.9 35.1 52.7
54 49.1 40.1 60.1



#32
Benzoic acid
Concen: 6.273 ng
RT: 10.04 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

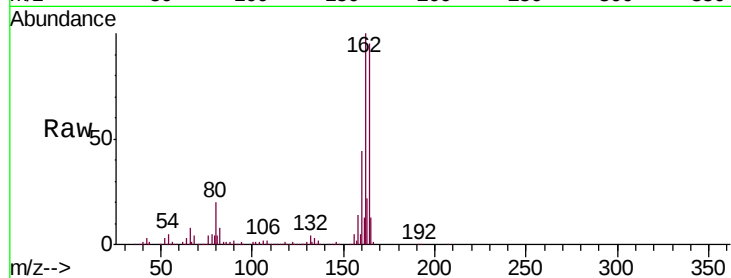
Tgt Ion: 122 Resp: 76
Ion Ratio Lower Upper
122 100
105 169.0 106.4 146.4#
77 0.0 74.6 114.6#



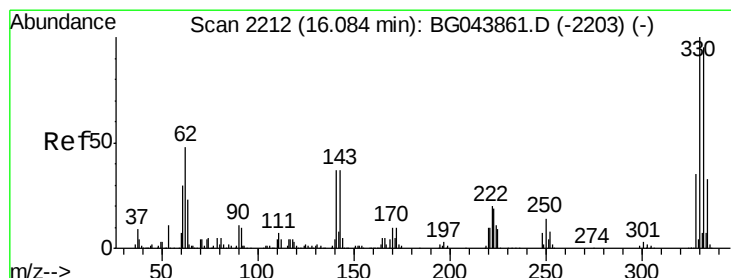
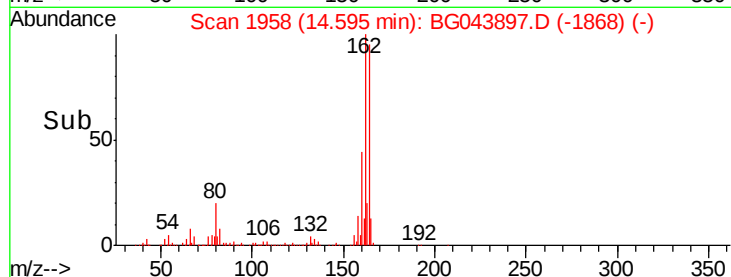
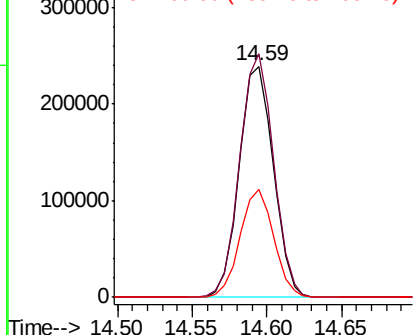


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.0	124.4
160	46.8	36.1	54.1

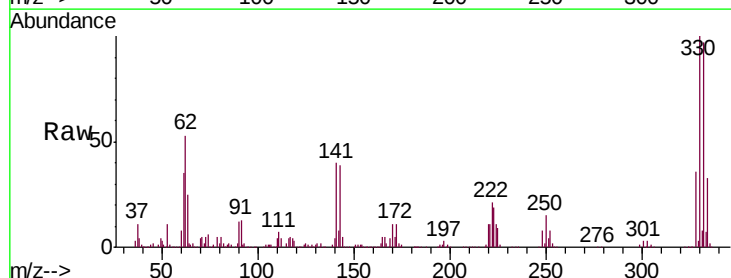


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

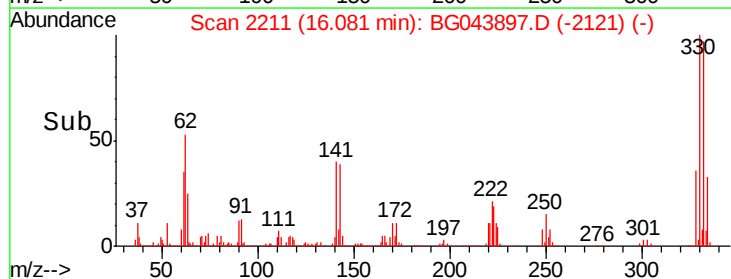
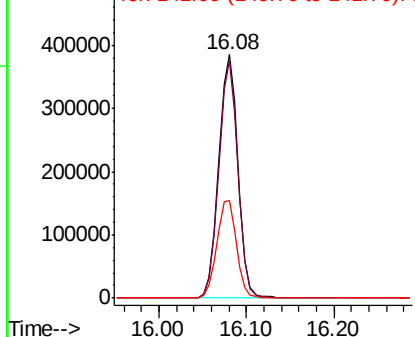


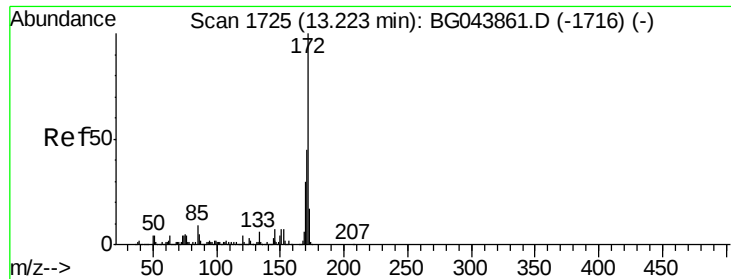
#42
2,4,6-Tribromophenol
Concen: 147.585 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	41.3	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

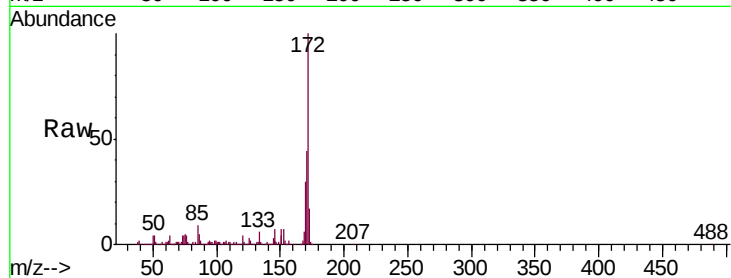




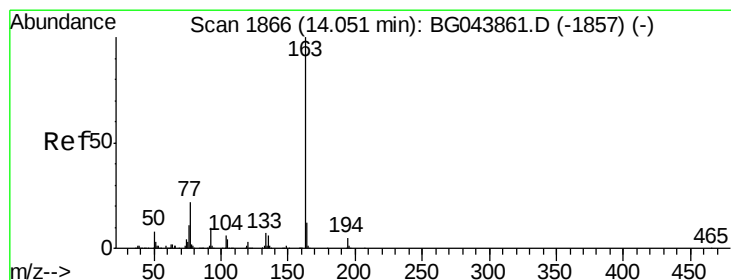
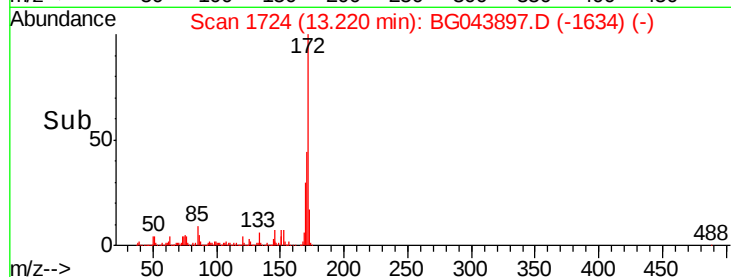
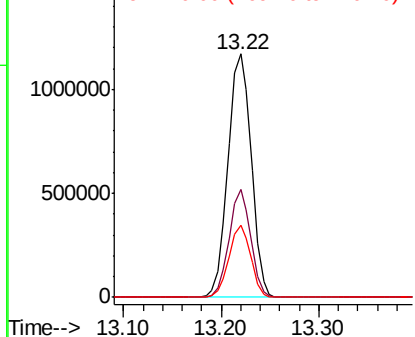
#45
2-Fluorobiphenyl
Concen: 92.145 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion:172 Resp: 1934278

Ion	Ratio	Lower	Upper
172	100		
171	44.2	35.8	53.8
170	29.9	24.2	36.4



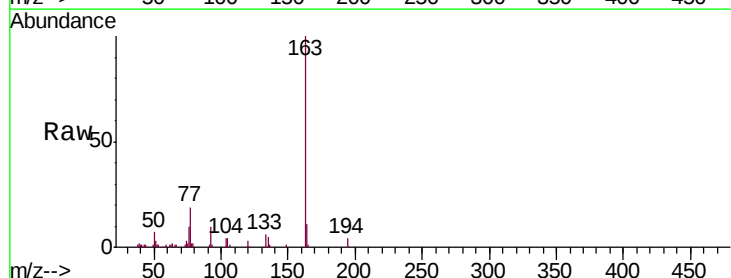
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



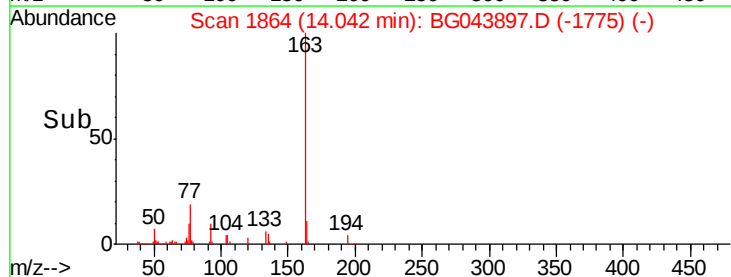
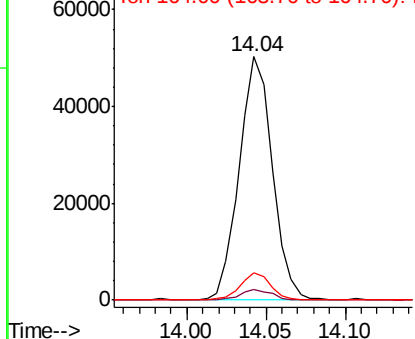
#50
Dimethylphthalate
Concen: 2.706 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

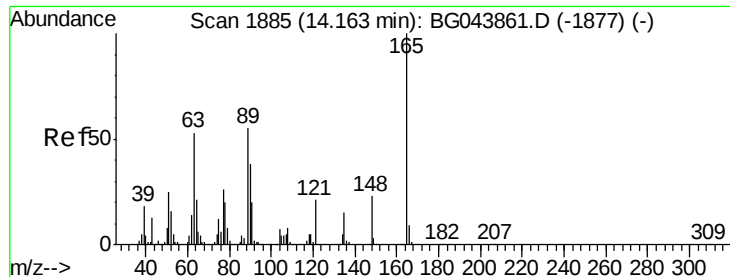
Tgt Ion:163 Resp: 73073

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.7	5.5
164	11.0	9.3	13.9



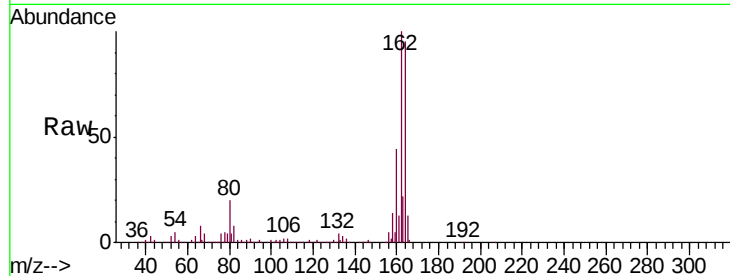
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



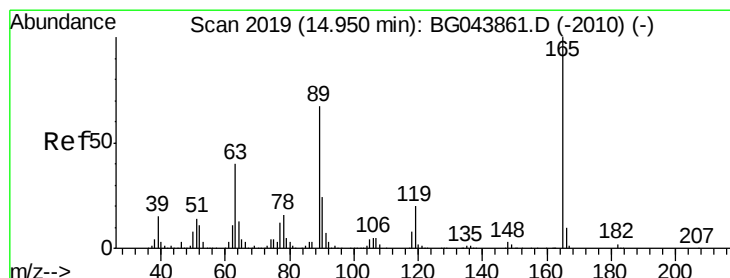
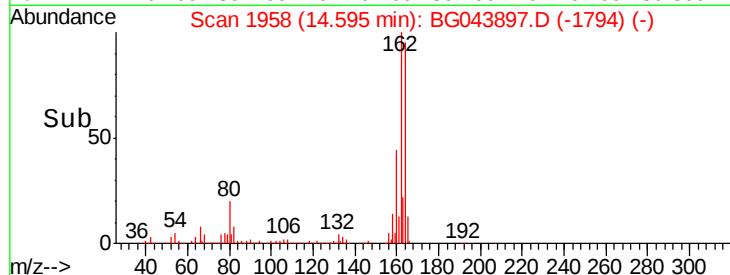
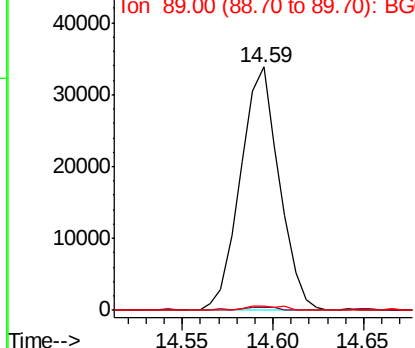


#51
2,6-Dinitrotoluene
Concen: 8.227 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.43 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.1	64.7#
89	1.5	43.8	65.6#

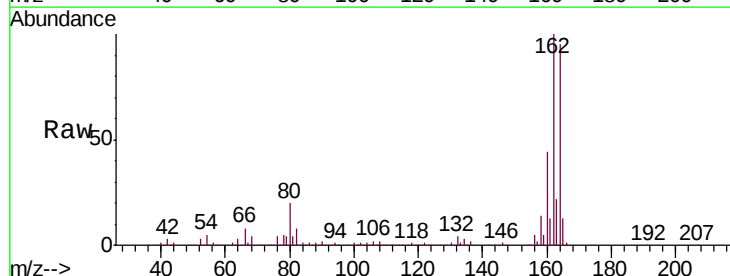


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

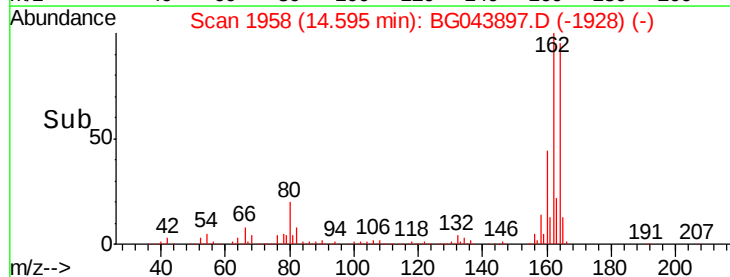
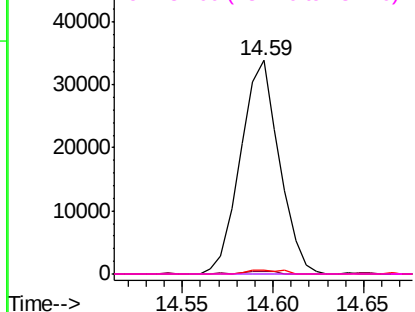


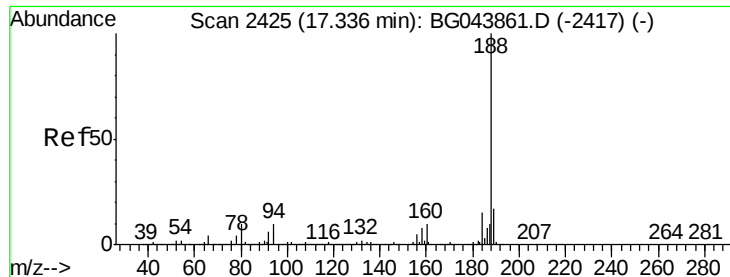
#57
2,4-Dinitrotoluene
Concen: 6.046 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.36 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	1.5	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

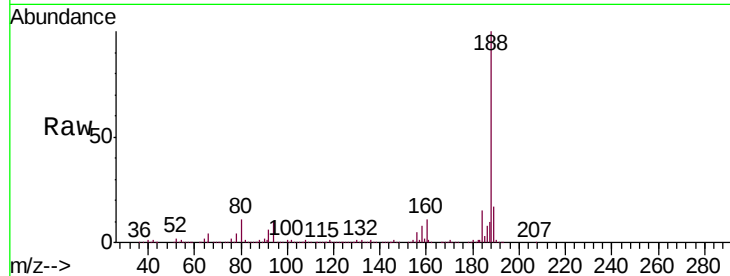
RT: 17.33 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BG043897.D

Acq: 3 Jan 2020 21:13

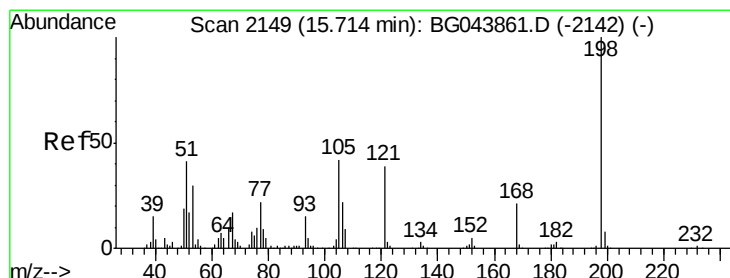
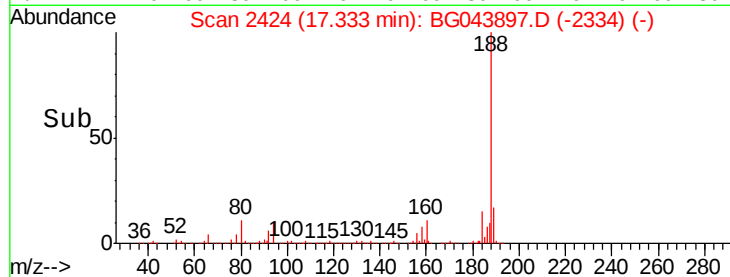
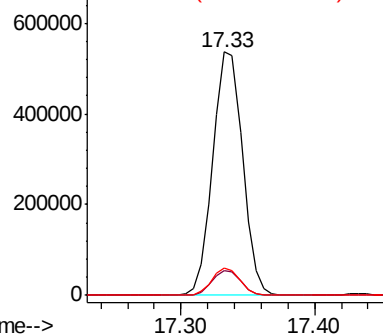
Tgt Ion:	188	Resp:	831403
Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.9	11.9
80	11.2	8.2	12.4



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: 4.404 ng

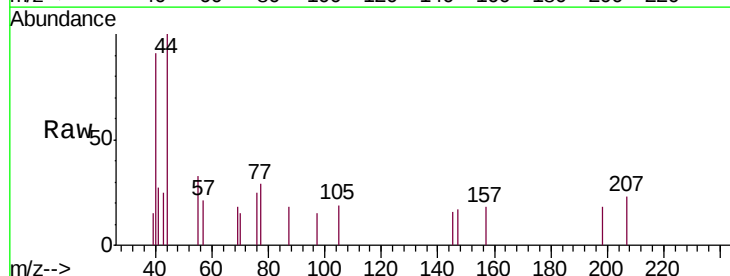
RT: 15.57 min Scan# 2124

Delta R.T. -0.14 min

Lab File: BG043897.D

Acq: 3 Jan 2020 21:13

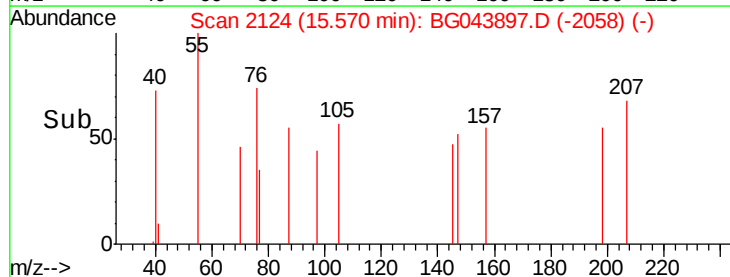
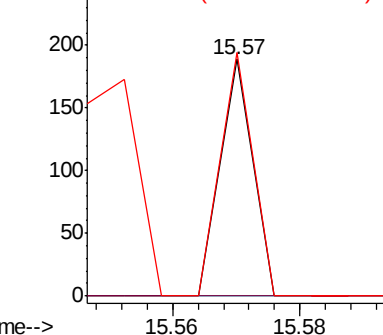
Tgt Ion:	198	Resp:	67
Ion	Ratio	Lower	Upper
198	100		
51	0.0	22.5	62.5#
105	102.6	22.3	62.3#

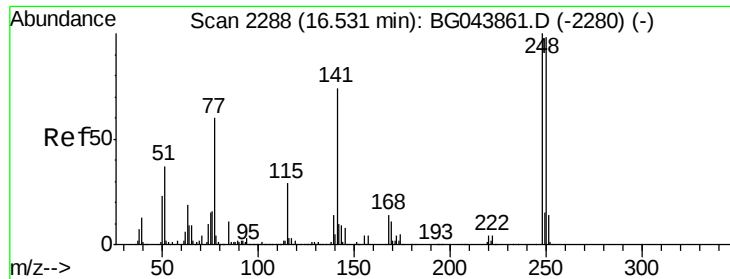


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

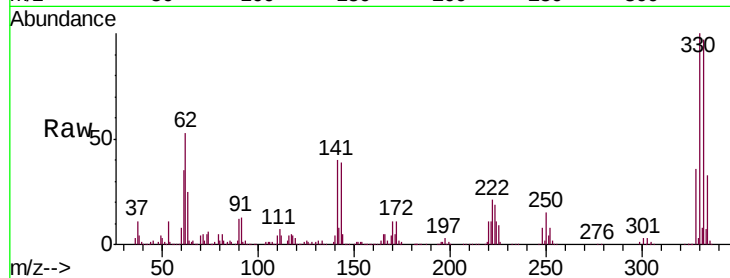
Ion 105.00 (104.70 to 105.70): E



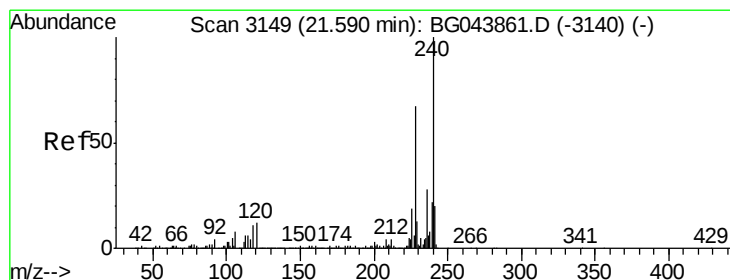
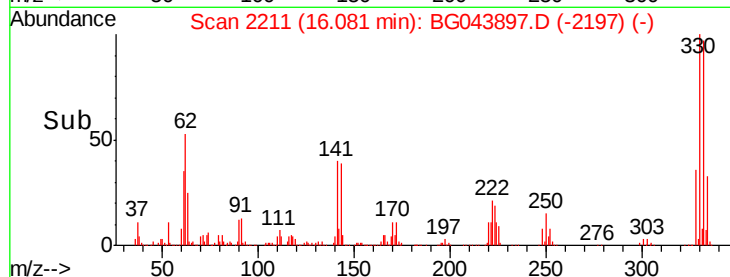
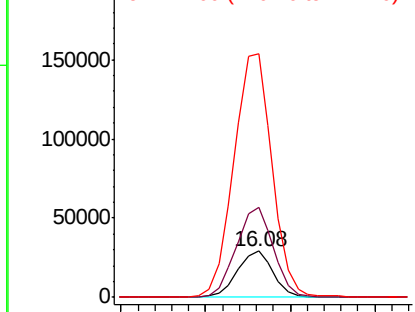


#67
4-Bromophenyl-phenylether
Concen: 4.588 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.45 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion:248 Resp: 42904
Ion Ratio Lower Upper
248 100
250 193.1 78.2 117.2#
141 525.5 59.3 88.9#

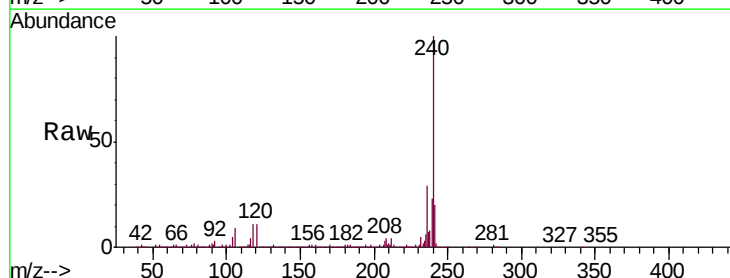


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

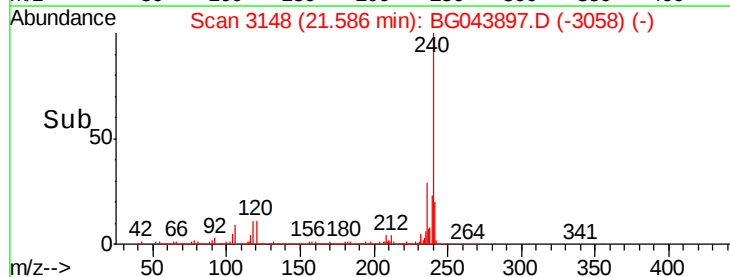
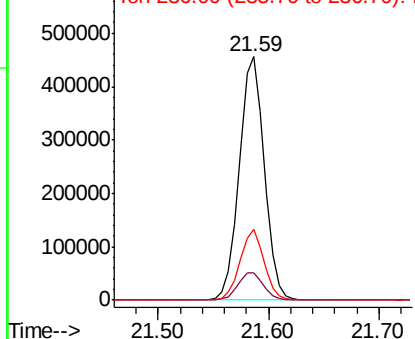


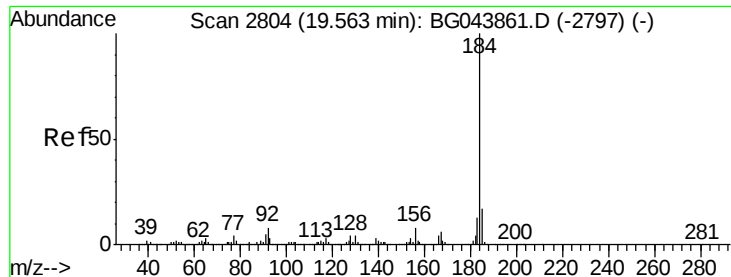
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion:240 Resp: 726898
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 29.1 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: 3.195 ng

RT: 19.95 min Scan# 2870

Delta R.T. 0.39 min

Lab File: BG043897.D

Acq: 3 Jan 2020 21:13

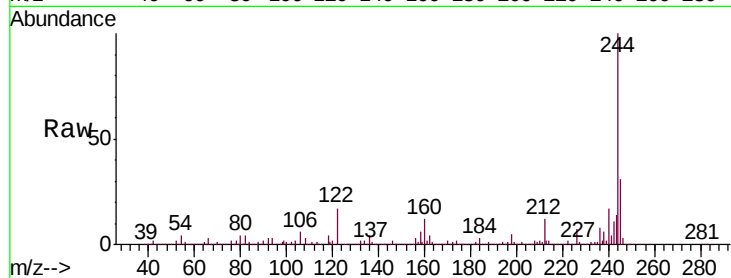
Tgt Ion:184 Resp: 58381

Ion Ratio Lower Upper

184 100

185 16.1 13.4 20.0

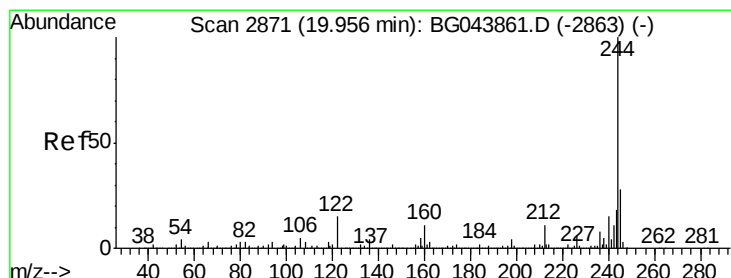
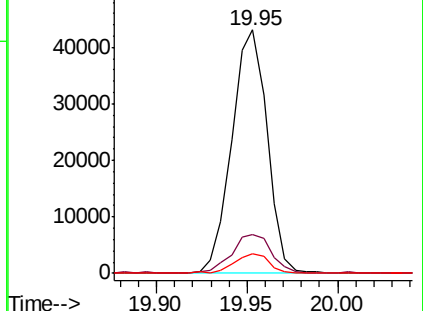
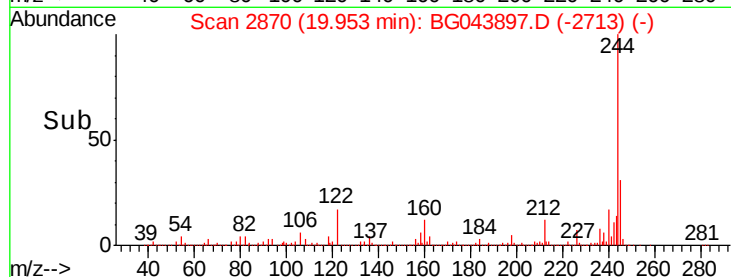
183 8.1 10.6 15.8#



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: 90.847 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BG043897.D

Acq: 3 Jan 2020 21:13

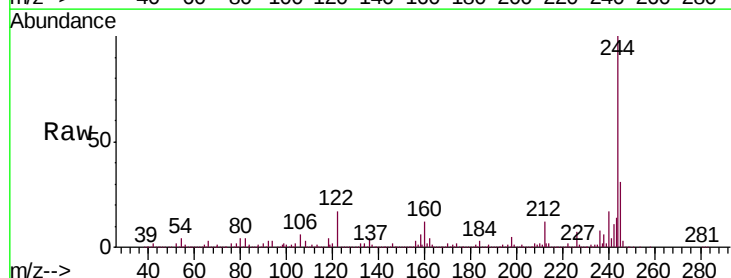
Tgt Ion:244 Resp: 2690259

Ion Ratio Lower Upper

244 100

212 12.1 8.6 13.0

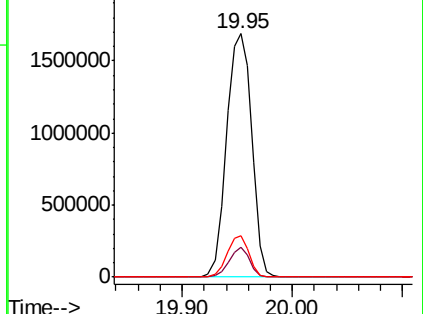
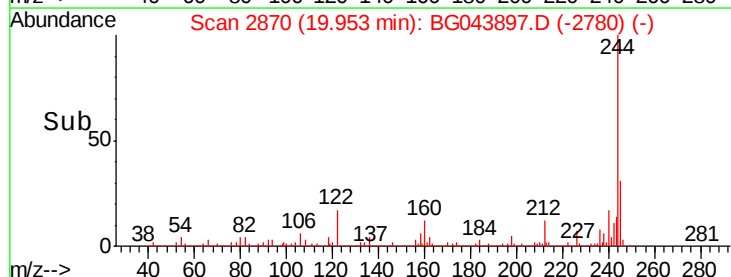
122 17.0 11.9 17.9

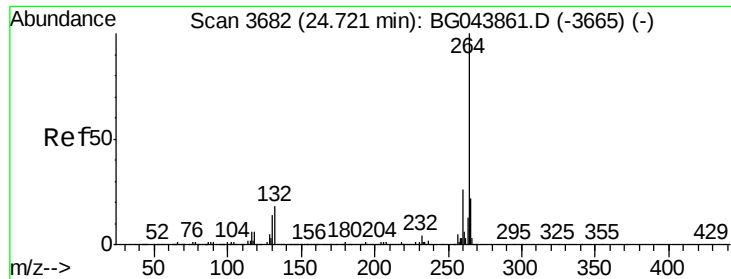


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043897.D
Acq: 3 Jan 2020 21:13

Tgt Ion:	264	Resp:	822189
Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.4	30.6
265	22.1	17.4	26.2

