

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046647.D
 Acq On : 16 Sep 2020 19:21
 Operator : CG/JU
 Sample : L4021-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B14-5-7

Quant Time: Sep 17 00:34:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 11:07:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	68398	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	283398	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	188397	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	427513	20.00	ng	0.00
76) Chrysene-d12	21.54	240	429674	20.00	ng	0.00
86) Perylene-d12	24.64	264	429454	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	332888	86.20	ng	0.00
7) Phenol-d6	7.09	99	473112	86.42	ng	0.00
23) Nitrobenzene-d5	9.07	82	310127	62.55	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	189284	74.15	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	831065	67.34	ng	0.00
79) Terphenyl-d14	19.91	244	1213171	60.09	ng	0.00

Target Compounds

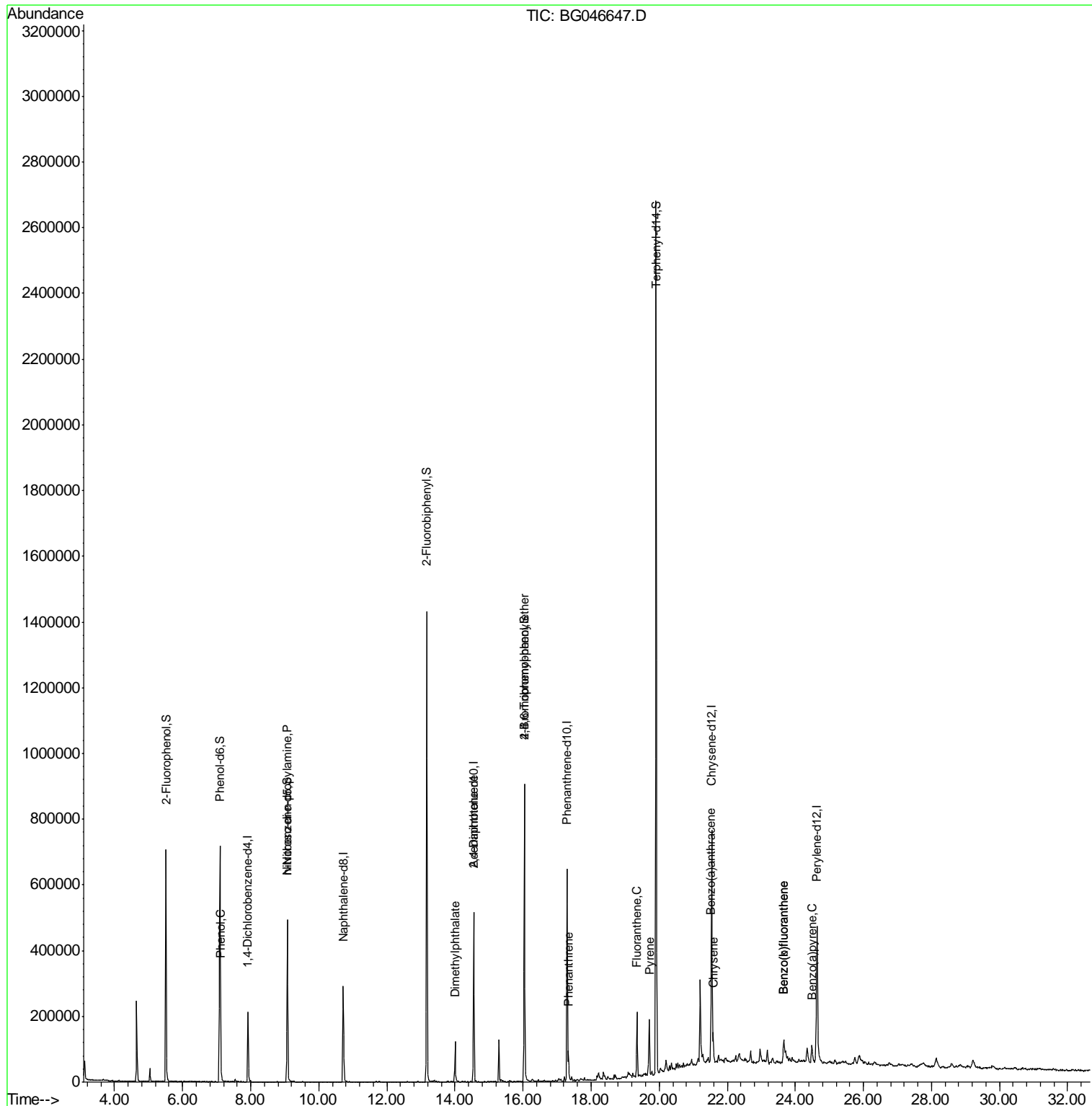
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.12	94	24418	4.843	ng	85
19) n-Nitroso-di-n-propylamine	9.07	70	39702	12.124	ng	# 76
50) Dimethylphthalate	14.00	163	98993	6.792	ng	99
57) 2,4-Dinitrotoluene	14.55	165	25214	5.504	ng	# 32
67) 4-Bromophenyl-phenylether	16.04	248	14359	2.879	ng	# 1
71) Phenanthrene	17.34	178	57935	2.674	ng	97
75) Fluoranthene	19.35	202	124369	4.460	ng	97
78) Pyrene	19.71	202	114342	4.179	ng	97
81) Benzo(a)anthracene	21.52	228	62898	2.349	ng	95
83) Chrysene	21.58	228	65207	2.531	ng	96
88) Benzo(b)fluoranthene	23.66	252	85178	3.176	ng	98
89) Benzo(k)fluoranthene	23.66	252	85178	3.287	ng	99
90) Benzo(a)pyrene	24.49	252	57120	2.283	ng	98

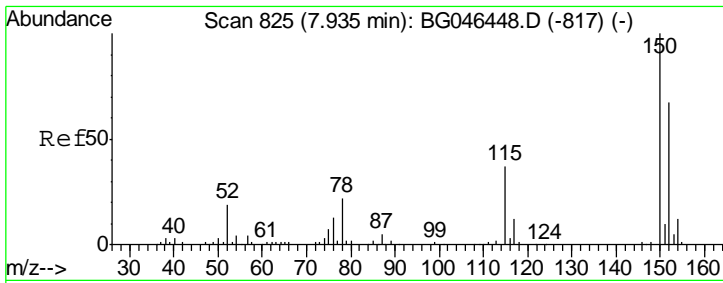
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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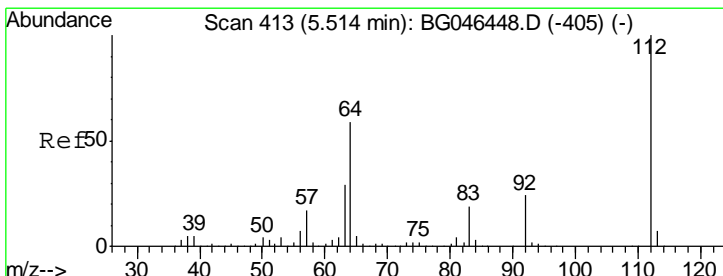
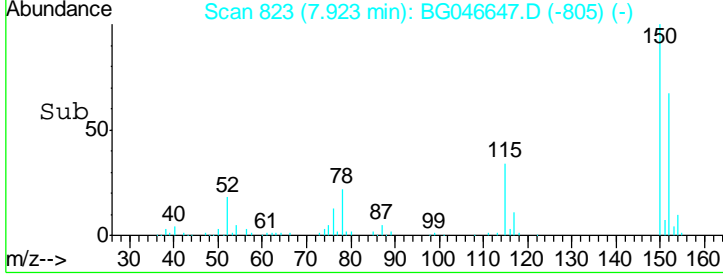
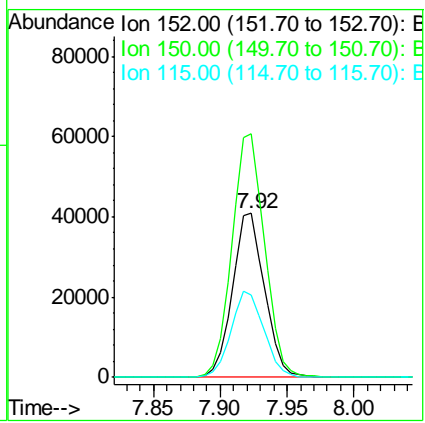
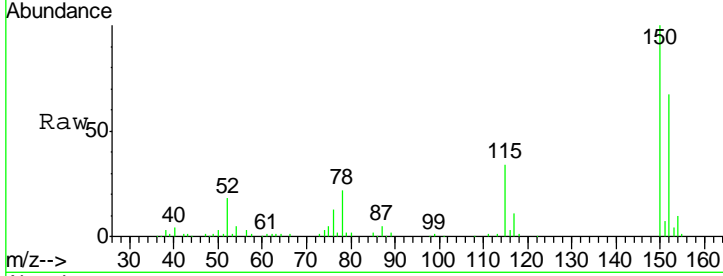




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

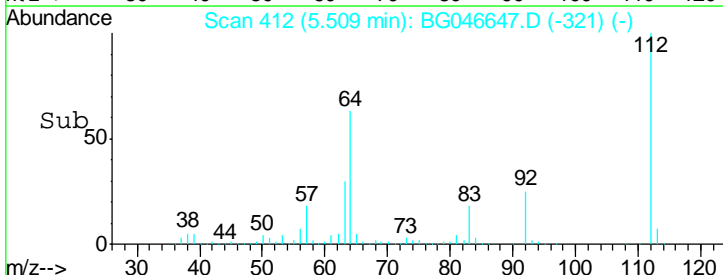
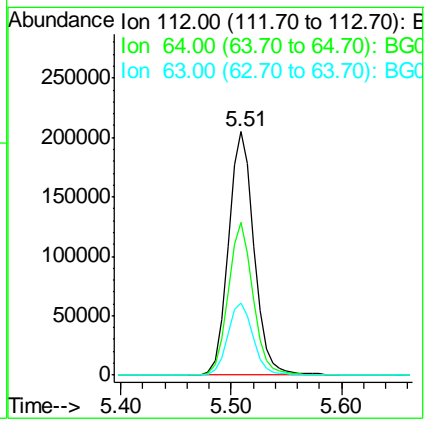
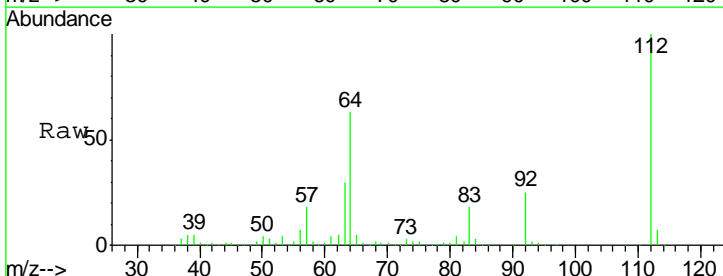
Instrument :
 BNA_G
ClientSampled :
 B14-5-7

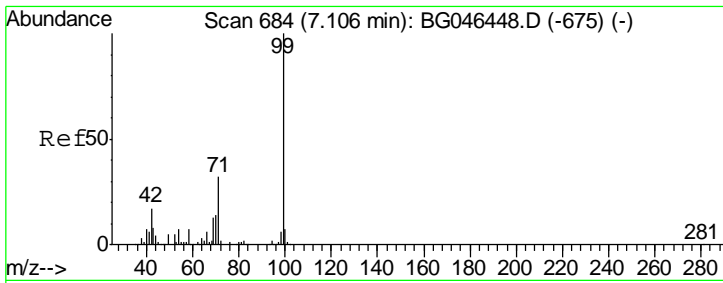
Tgt Ion	Resp	Lower	Upper
152	68398		
150	148.7	125.0	187.6
115	50.5	41.8	62.6



#5
 2-Fluorophenol
 Concen: 86.202 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
112	332888		
64	62.6	46.7	70.1
63	29.8	22.8	34.2

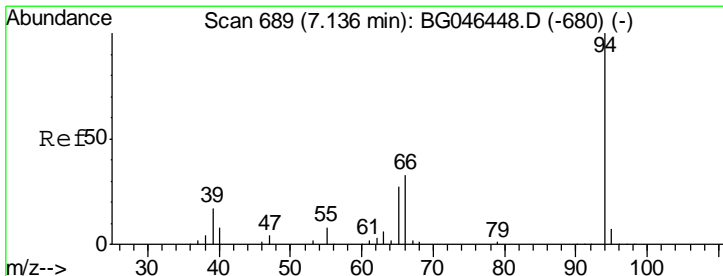
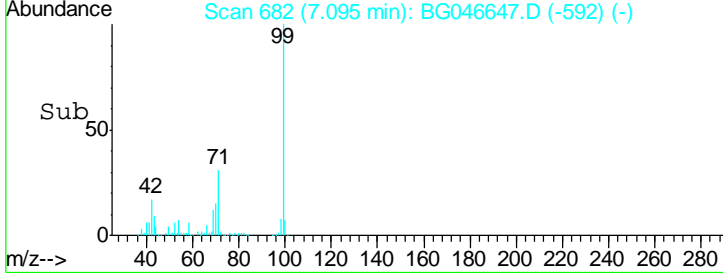
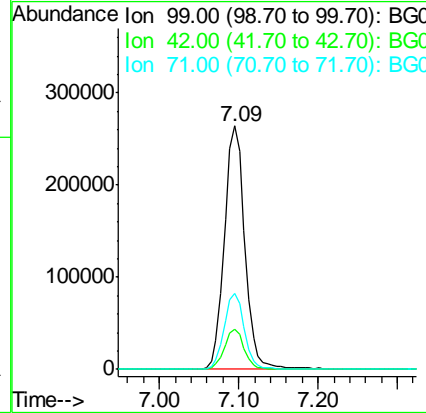
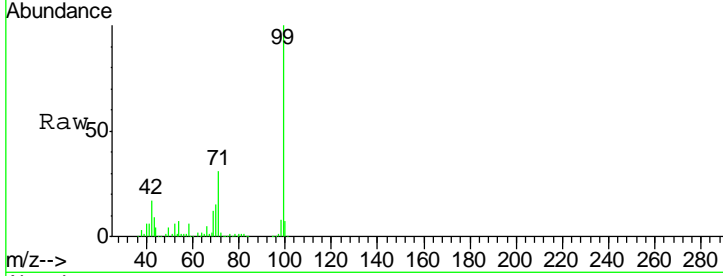




#7
 Phenol-d6
 Concen: 86.423 ng
 RT: 7.09 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

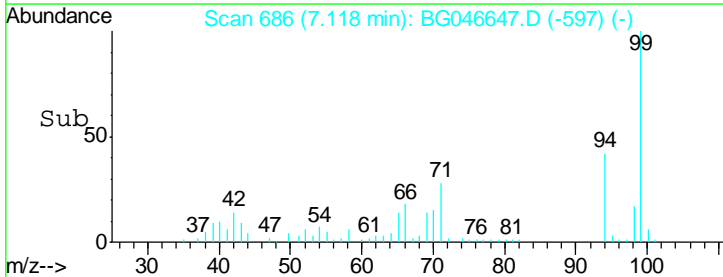
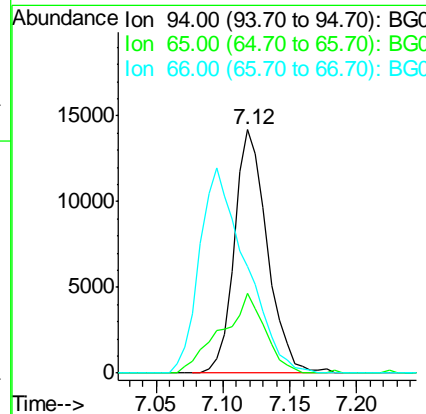
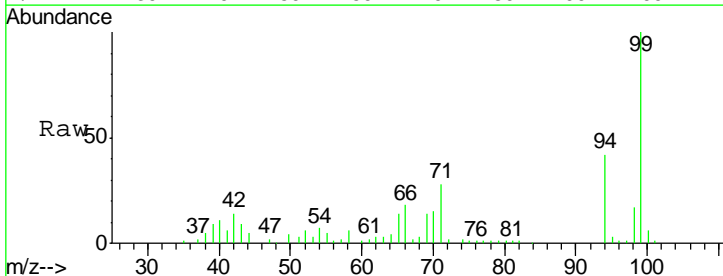
Instrument :
 BNA_G
ClientSampled :
 B14-5-7

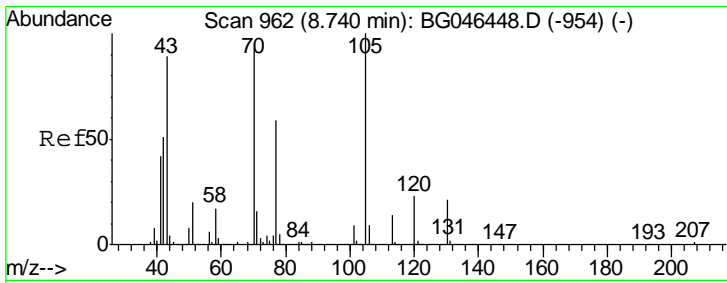
Tgt Ion	Resp	Lower	Upper
99	473112		
42	16.7	12.8	19.2
71	31.4	24.6	36.8



#10
 Phenol
 Concen: 4.843 ng
 RT: 7.12 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
94	24418		
94	100		
65	33.0	6.6	46.6
66	43.6	13.9	53.9

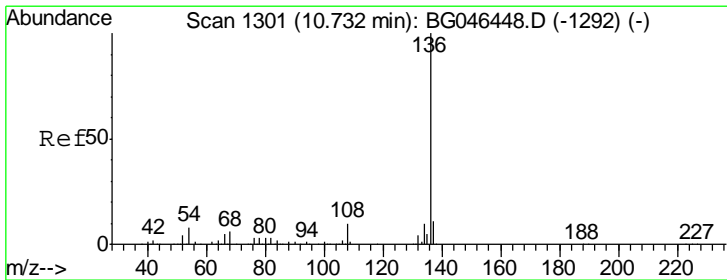
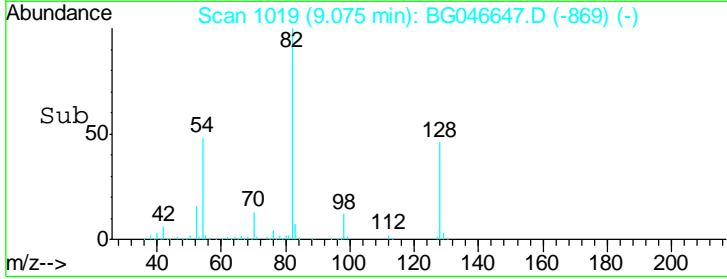
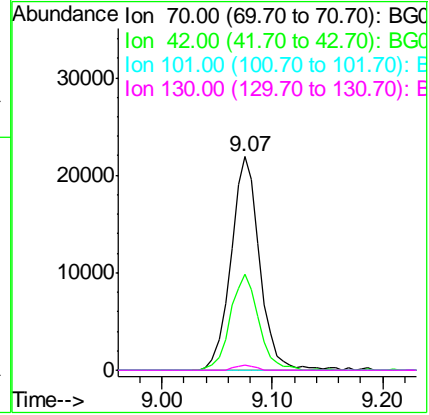
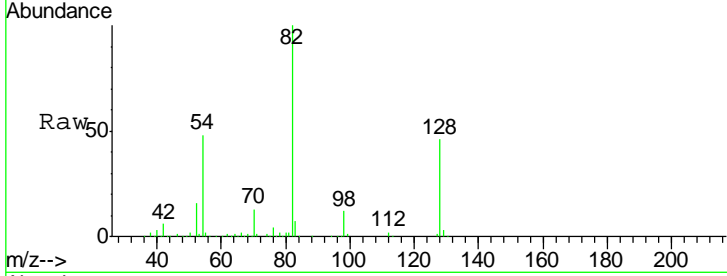




#19
 n-Nitroso-di-n-propylamine
 Concen: 12.124 ng
 RT: 9.07 min Scan# 1019
 Delta R.T. 0.35 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

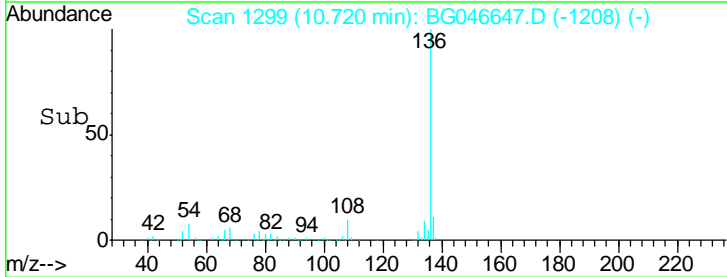
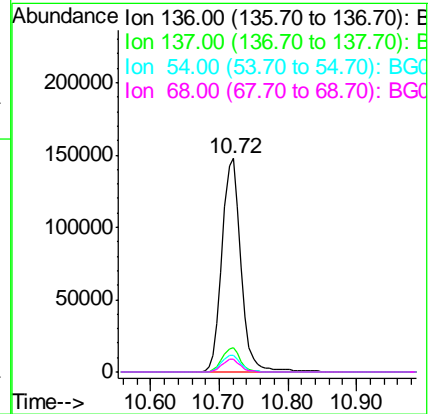
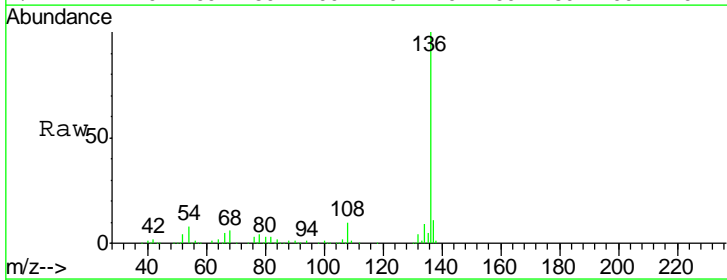
Instrument :
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ClientSampled :
 B14-5-7

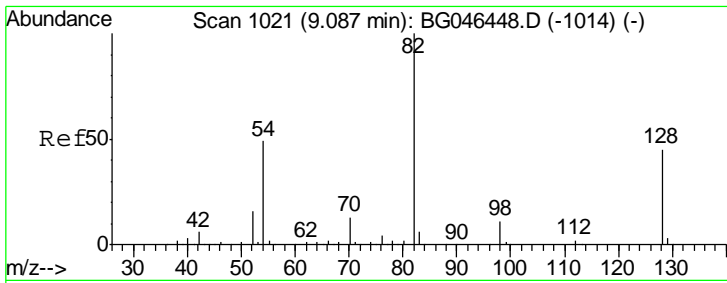
Tgt Ion	Resp	Lower	Upper
70	100		
42	44.9	45.6	68.4#
101	0.0	8.4	12.6#
130	2.1	17.8	26.8#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.72 min Scan# 1299
 Delta R.T. 0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.8	6.2	9.4
68	5.9	5.0	7.4

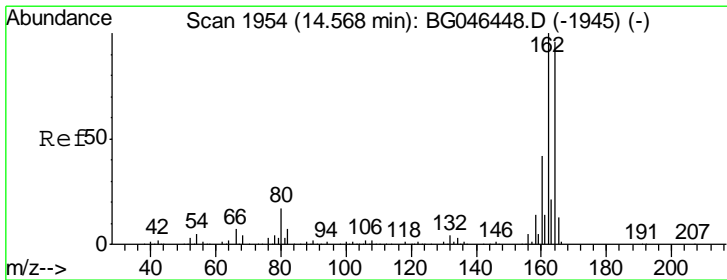
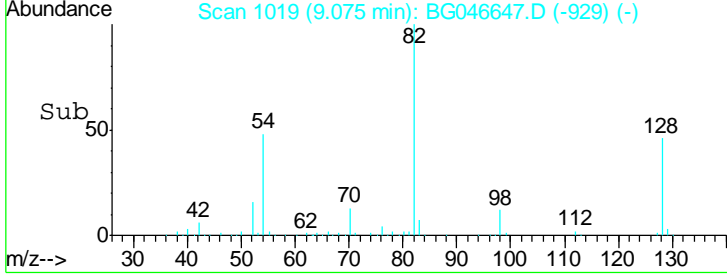
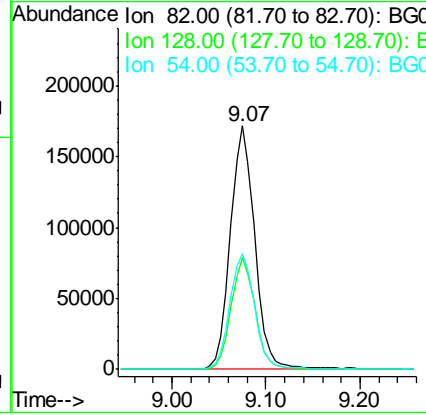
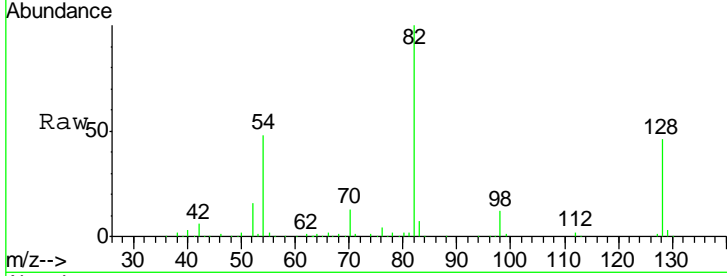




#23
 Nitrobenzene-d5
 Concen: 62.546 ng
 RT: 9.07 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

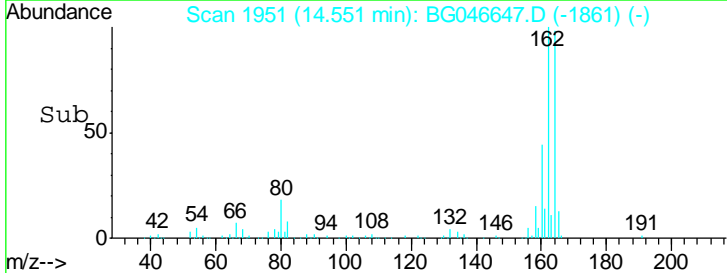
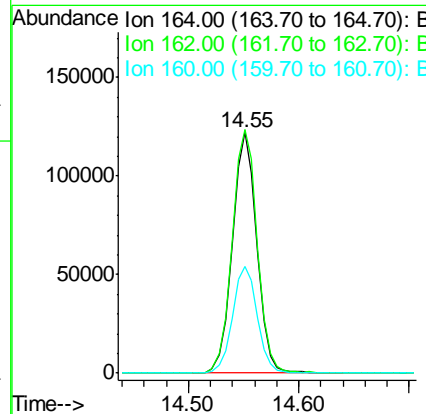
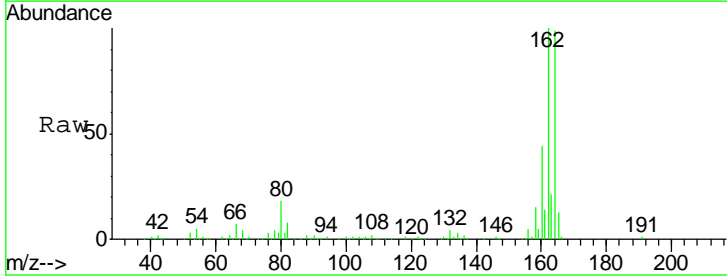
Instrument :
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 ClientSampled :
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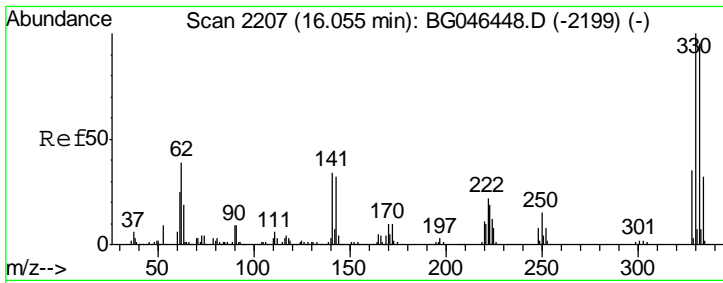
Tgt Ion	Resp	Lower	Upper
82	310127		
128	45.8	37.0	55.6
54	47.7	39.0	58.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
164	188397		
162	101.1	82.3	123.5
160	44.2	35.3	52.9

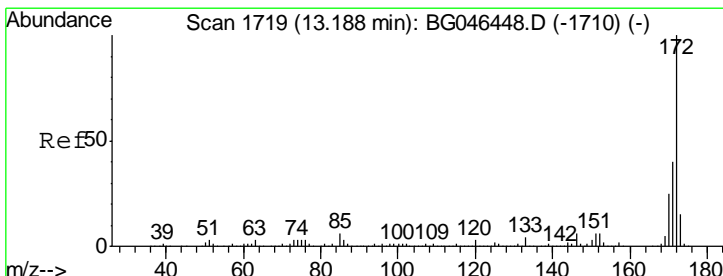
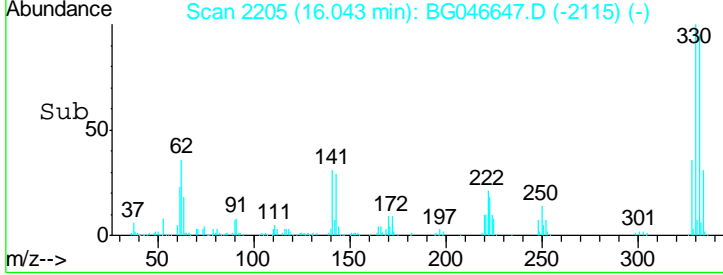
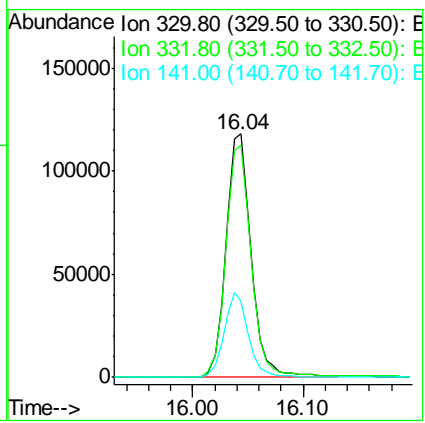
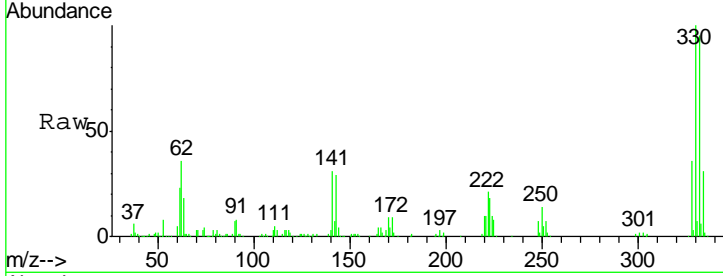




#42
 2,4,6-Tribromophenol
 Concen: 74.152 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

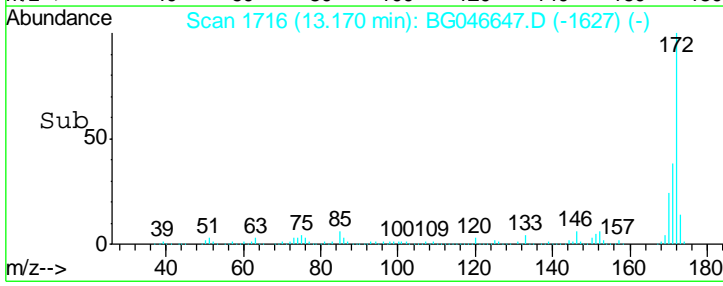
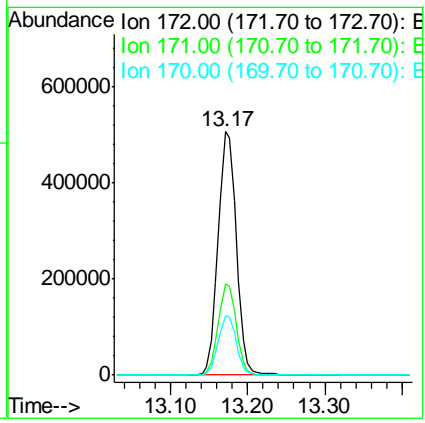
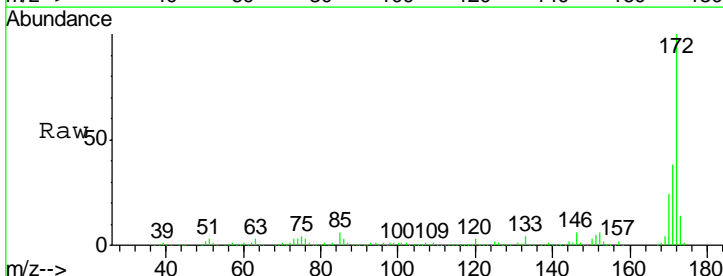
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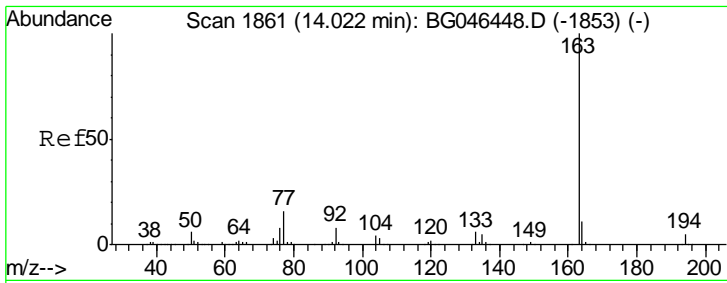
Tgt Ion	Resp	Lower	Upper
330	189284		
332	97.4	76.5	114.7
141	33.6	26.0	39.0



#45
 2-Fluorobiphenyl
 Concen: 67.340 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
172	831065		
171	37.6	31.3	46.9
170	24.1	20.8	31.2

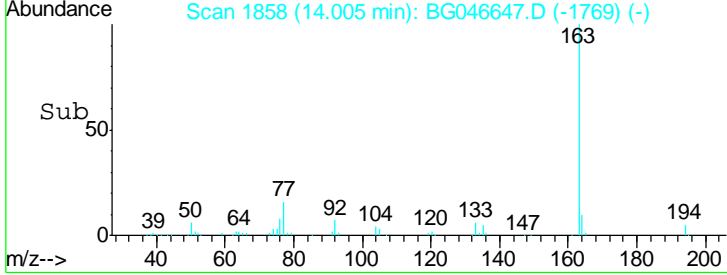
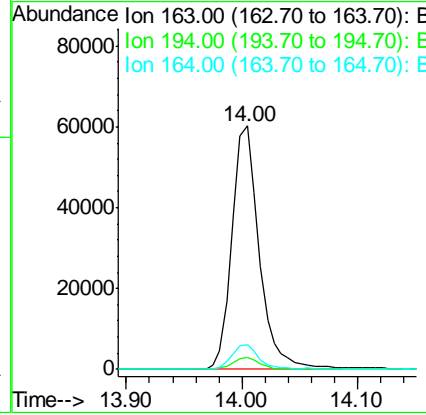
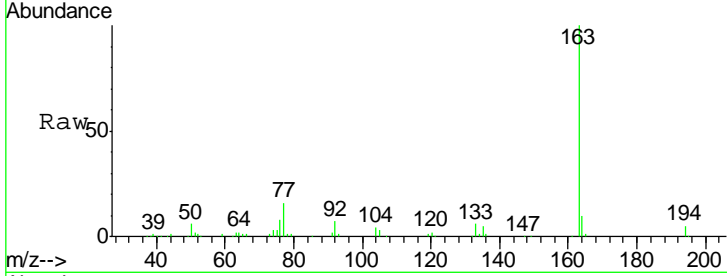




#50
 Dimethylphthalate
 Concen: 6.792 ng
 RT: 14.00 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

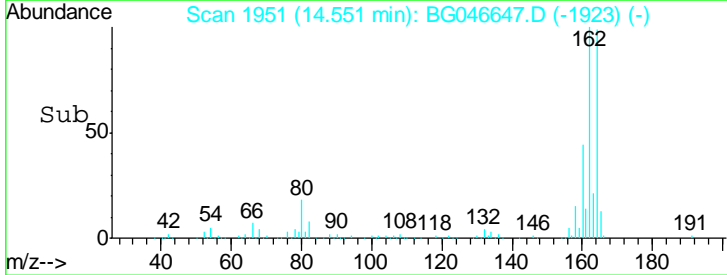
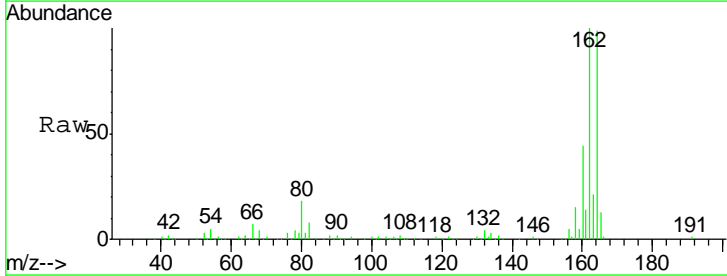
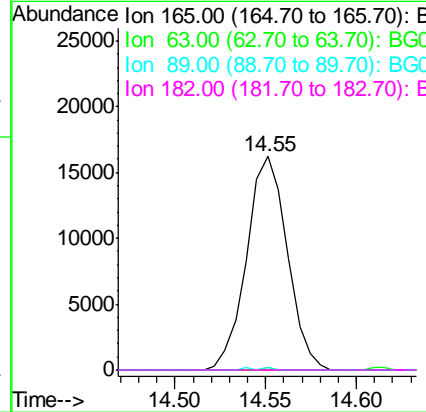
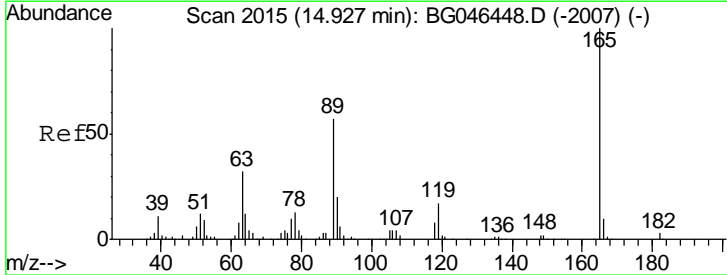
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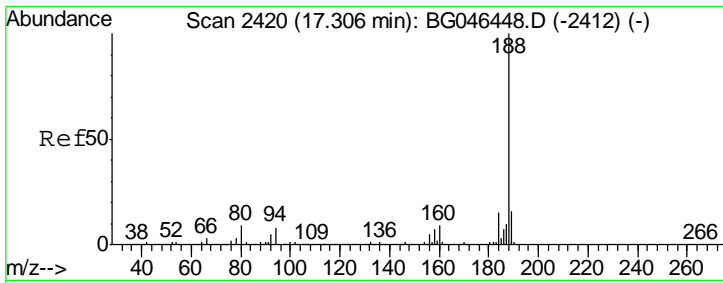
Tgt Ion	Resp	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	10.3	8.8	13.2



#57
 2,4-Dinitrotoluene
 Concen: 5.504 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.0	26.4	39.6#
89	1.2	47.8	71.8#
182	0.0	2.6	4.0#

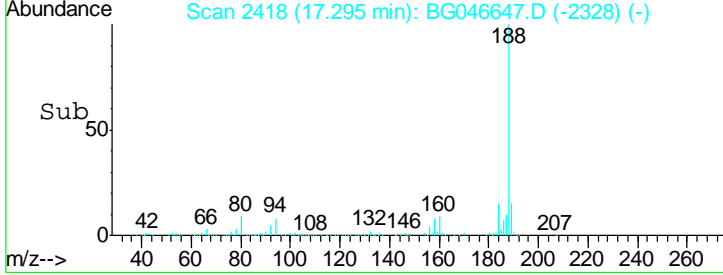
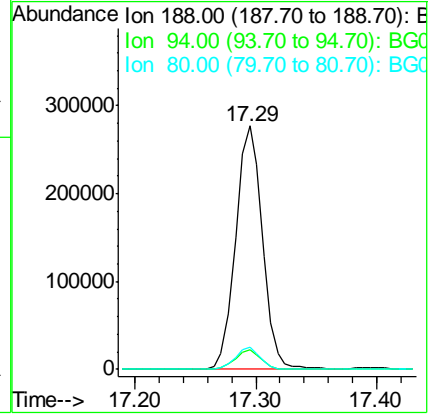
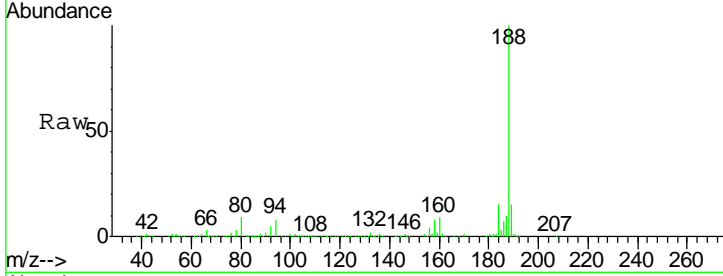




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

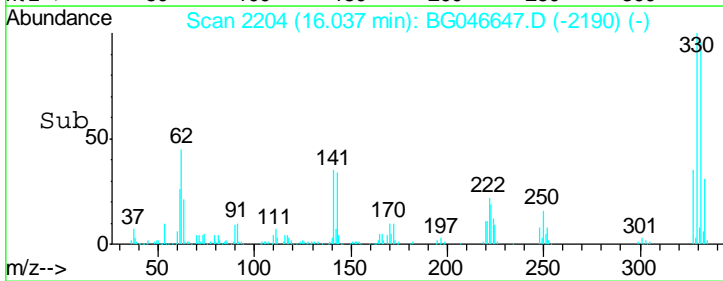
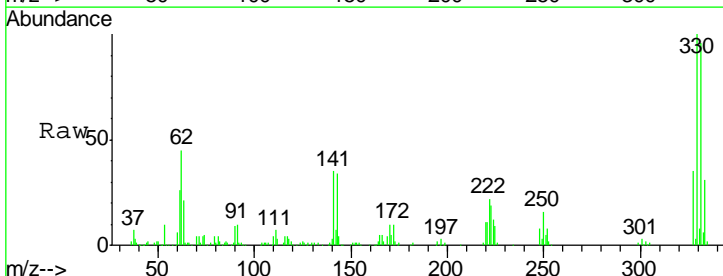
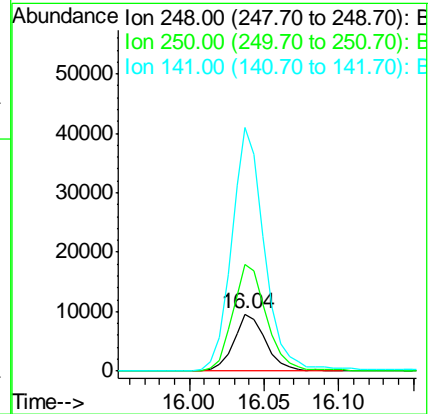
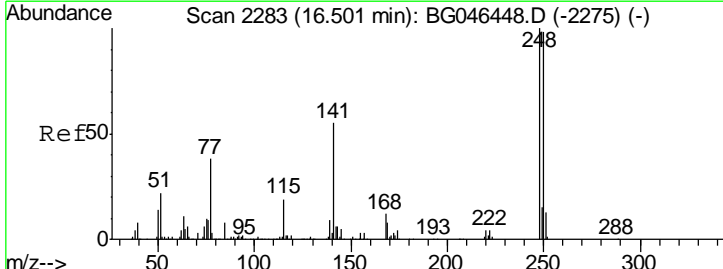
Instrument :
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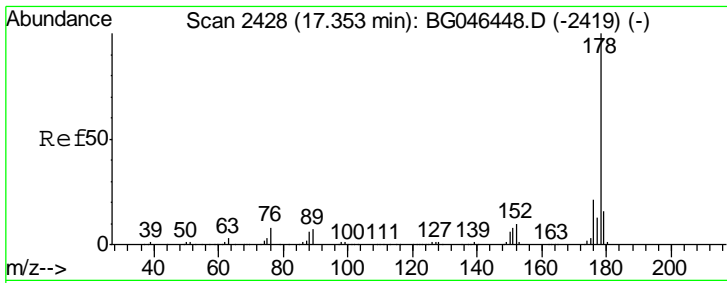
Tgt Ion	Resp	Lower	Upper
188	427513		
94	7.9	6.3	9.5
80	8.9	7.0	10.6



#67
 4-Bromophenyl-phenylether
 Concen: 2.879 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
248	14359		
250	188.0	78.9	118.3#
141	427.1	46.2	69.4#

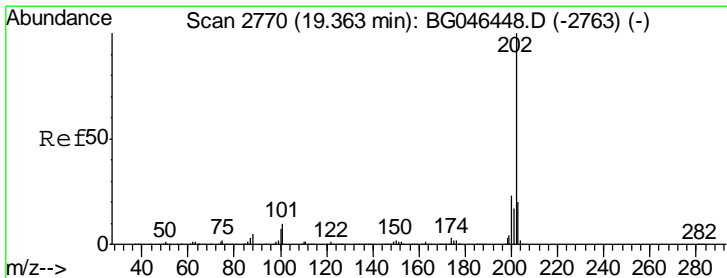
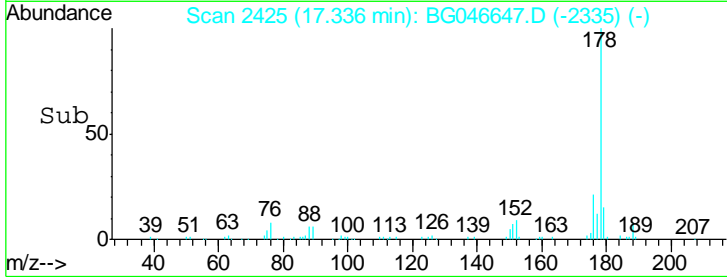
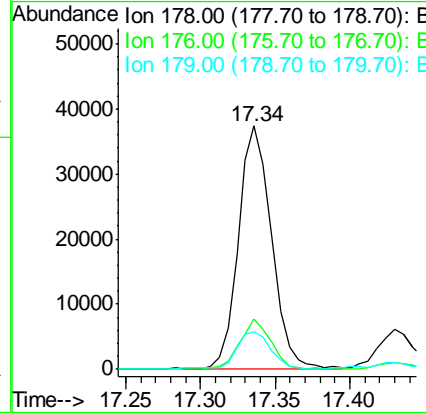
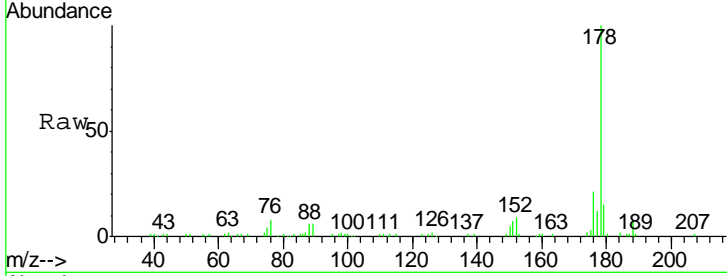




#71
 Phenanthrene
 Concen: 2.674 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

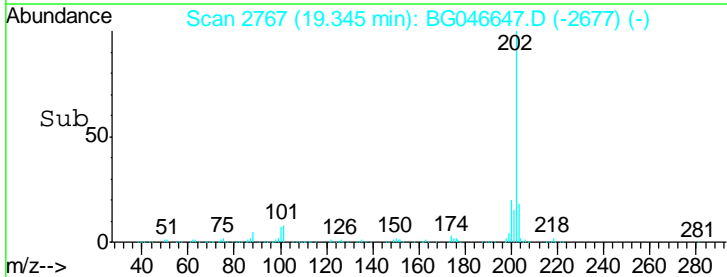
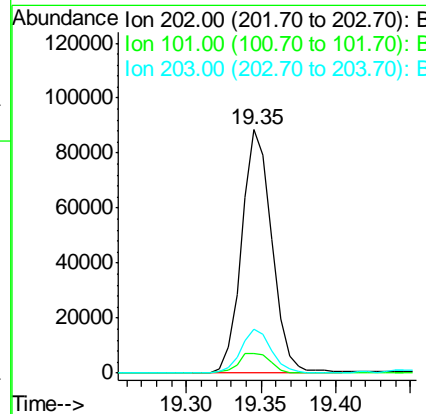
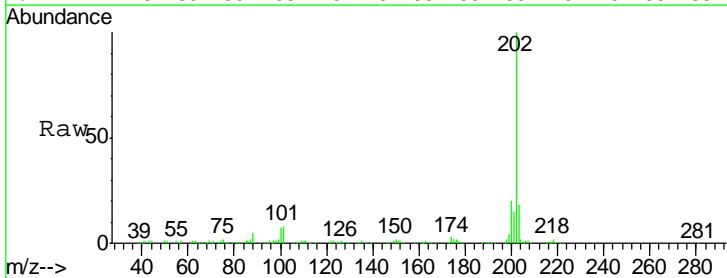
Instrument :
 BNA_G
 ClientSampled :
 B14-5-7

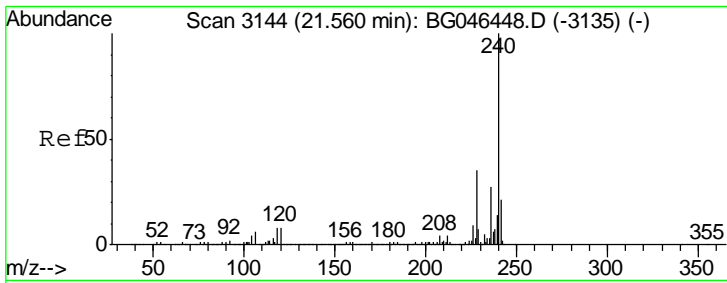
Tgt Ion	Resp	Lower	Upper
178	57935		
176	20.7	16.7	25.1
179	15.3	14.0	21.0



#75
 Fluoranthene
 Concen: 4.460 ng
 RT: 19.35 min Scan# 2767
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
202	124369		
101	8.1	0.0	29.7
203	17.8	0.0	39.2

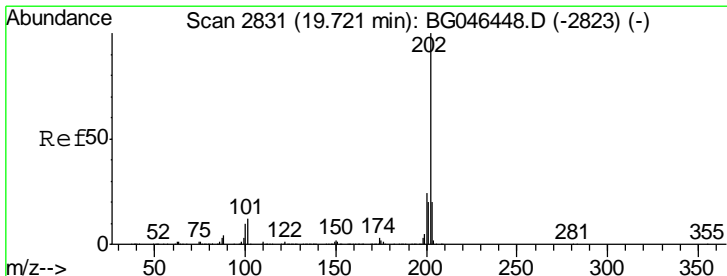
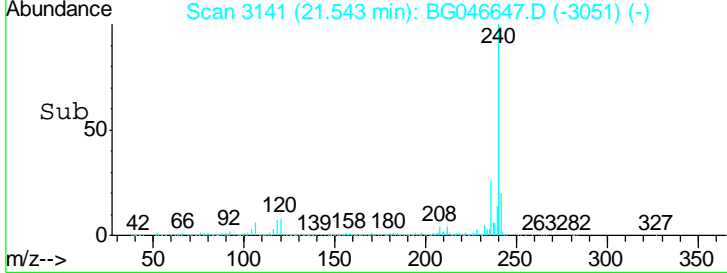
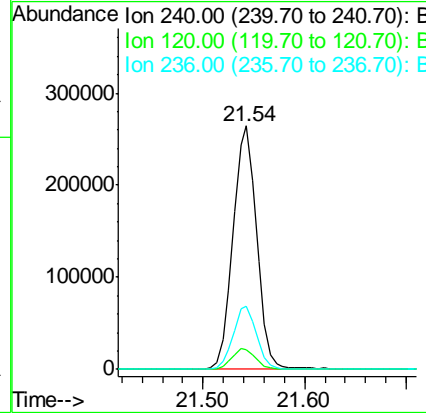
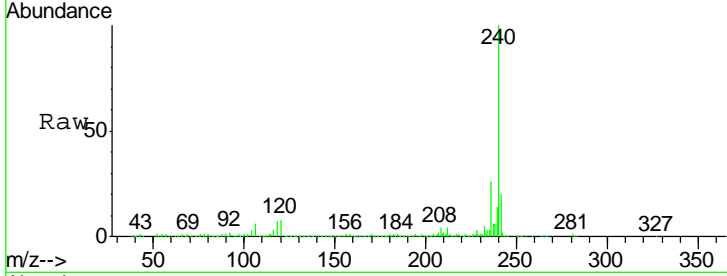




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

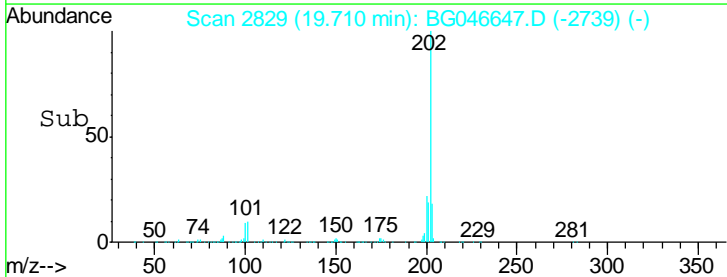
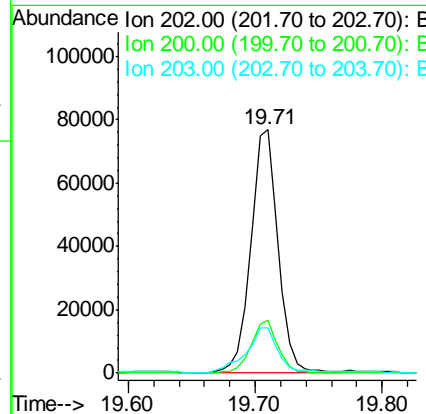
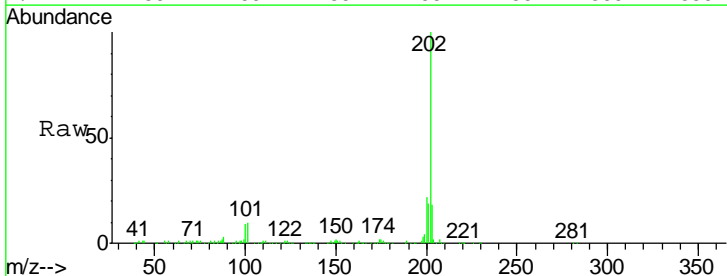
Instrument :
 BNA_G
 ClientSampled :
 B14-5-7

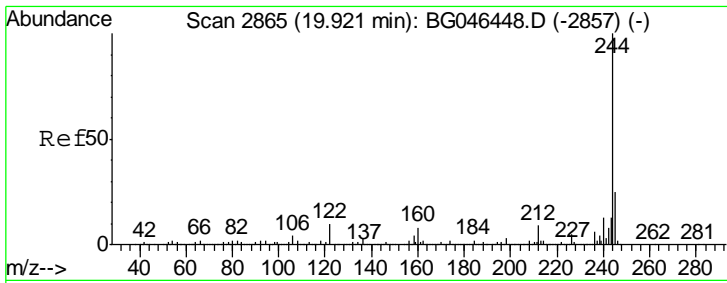
Tgt Ion	Resp	Lower	Upper
240	429674		
120	8.1	6.2	9.4
236	25.7	20.5	30.7



#78
 Pyrene
 Concen: 4.179 ng
 RT: 19.71 min Scan# 2829
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
202	114342		
200	21.6	18.6	27.8
203	18.4	15.3	22.9



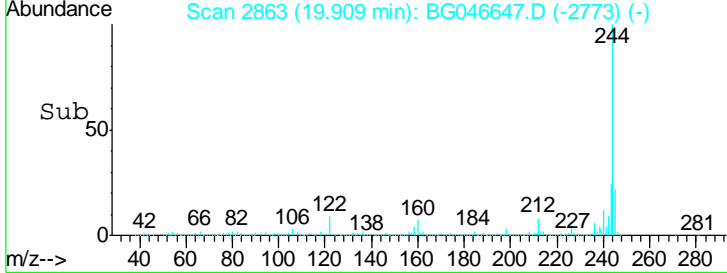
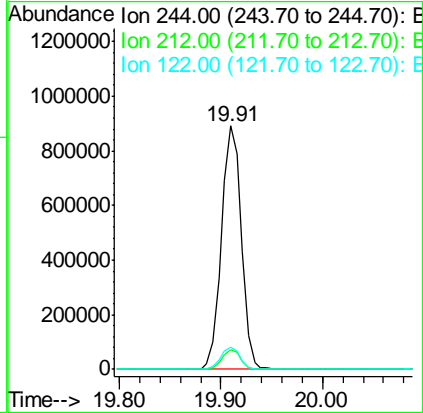
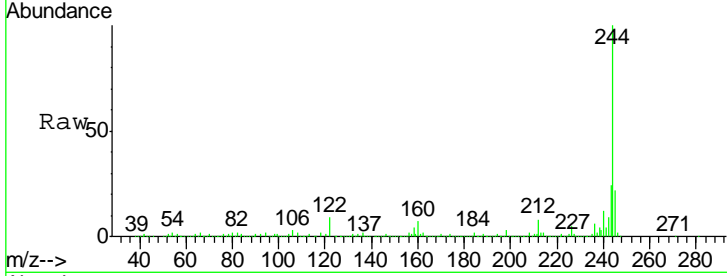


#79
 Terphenyl-d14
 Concen: 60.088 ng
 RT: 19.91 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Instrument :
 BNA_G
 ClientSampled :
 B14-5-7

Tgt Ion: 244 Resp: 1213171

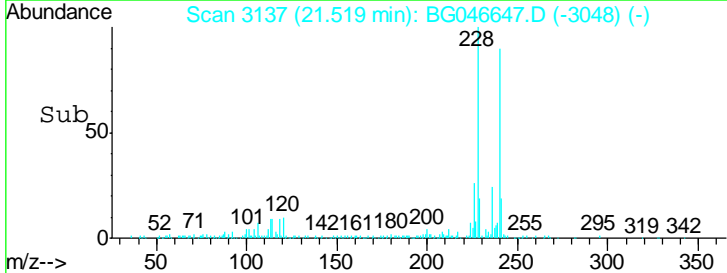
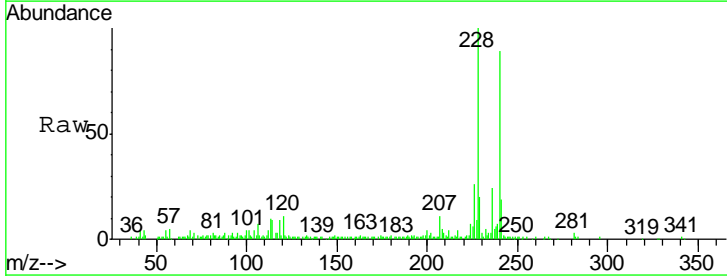
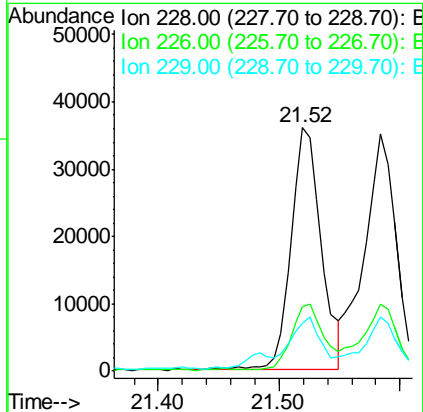
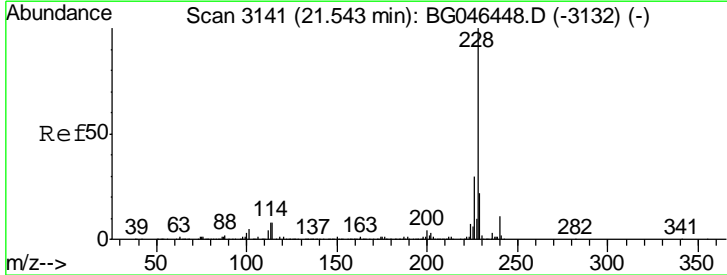
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.7	10.1
122	9.1	7.8	11.6

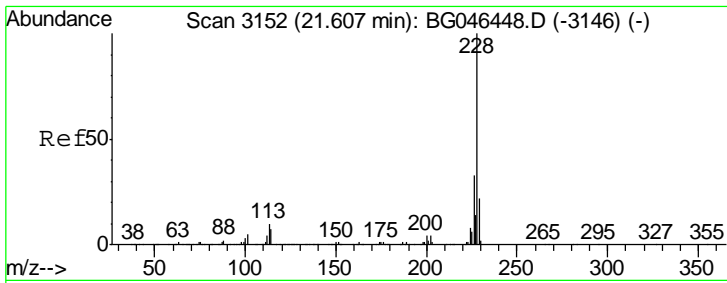


#81
 Benzo(a)anthracene
 Concen: 2.349 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion: 228 Resp: 62898

Ion	Ratio	Lower	Upper
228	100		
226	26.2	23.3	34.9
229	19.9	17.4	26.0

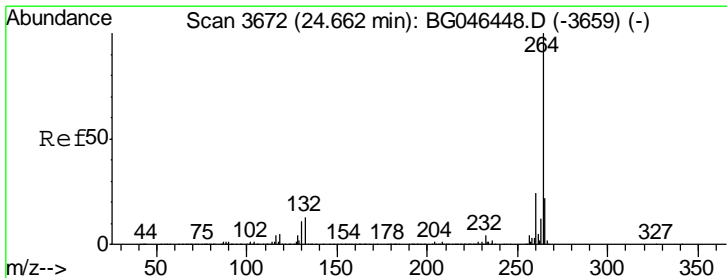
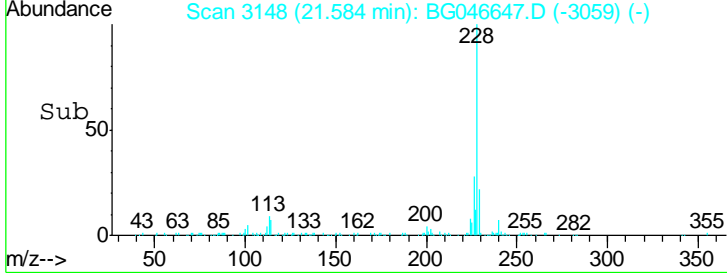
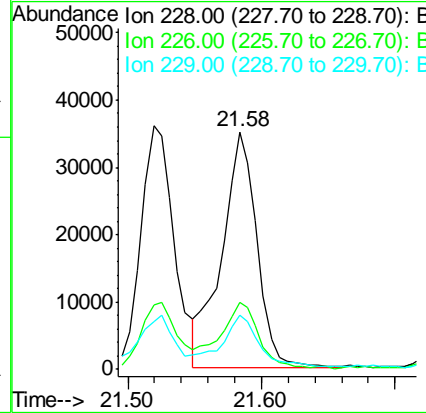
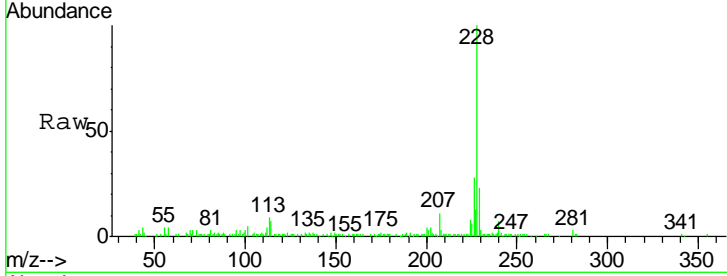




#83
 Chrysene
 Concen: 2.531 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

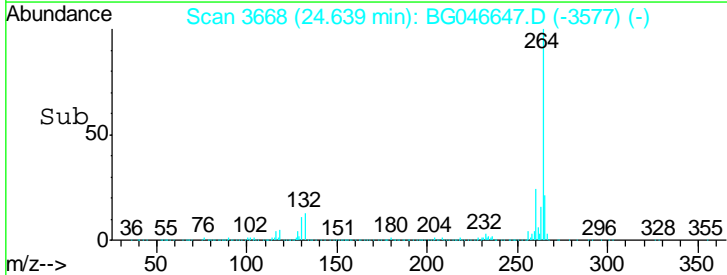
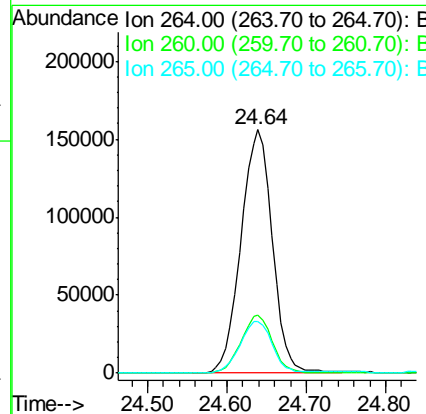
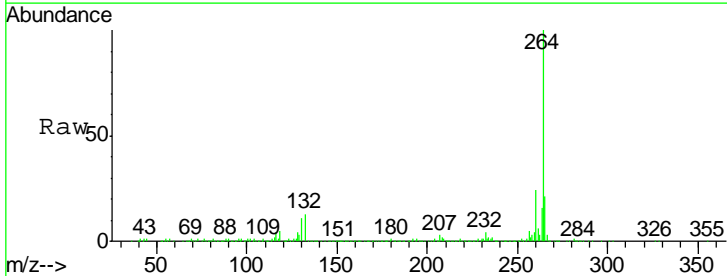
Instrument :
 BNA_G
 ClientSampled :
 B14-5-7

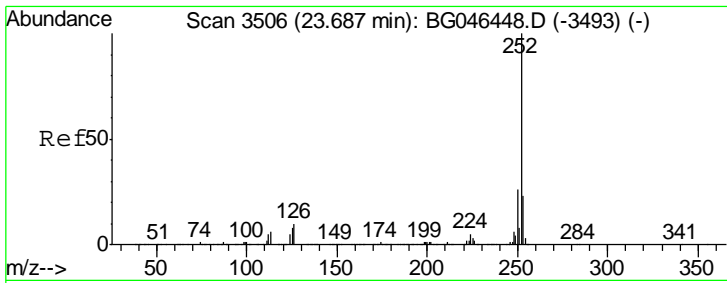
Tgt Ion	Resp	Lower	Upper
228	65207		
226	28.3	25.0	37.4
229	23.0	17.3	25.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.64 min Scan# 3668
 Delta R.T. 0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
264	429454		
260	23.6	18.8	28.2
265	21.4	17.8	26.8

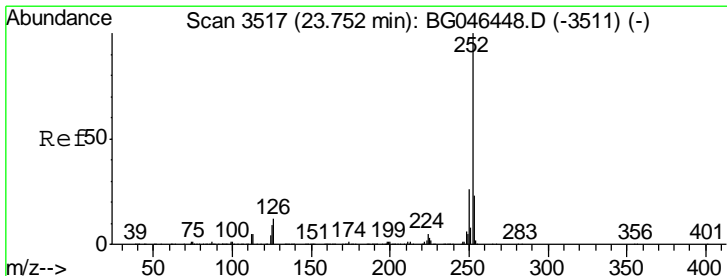
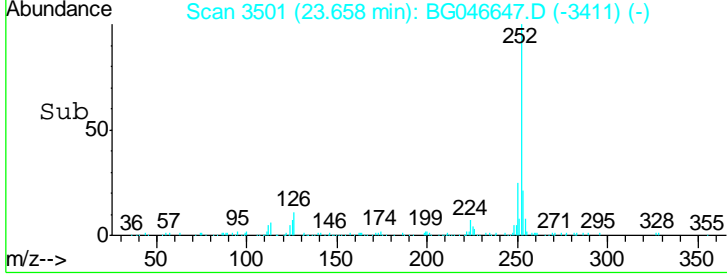
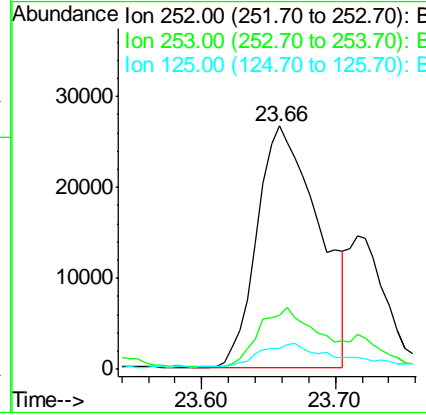
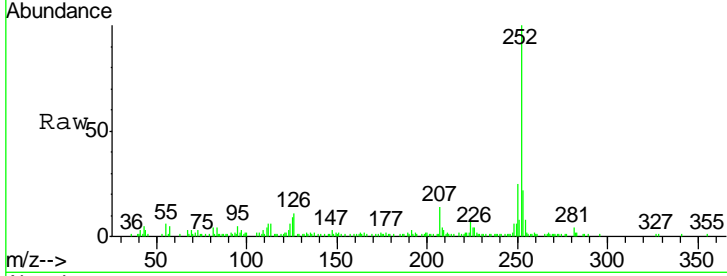




#88
 Benzo(b)fluoranthene
 Concen: 3.176 ng
 RT: 23.66 min Scan# 3501
 Delta R.T. -0.00 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

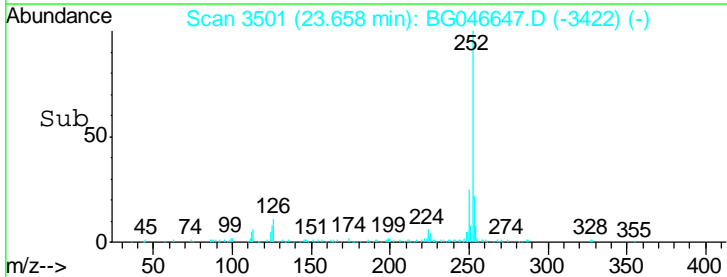
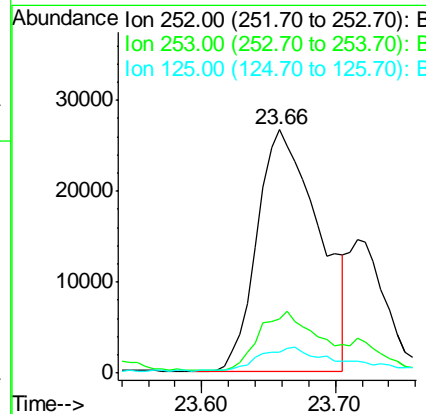
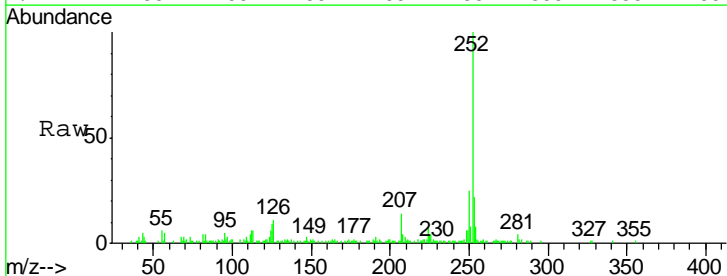
Instrument :
 BNA_G
 ClientSampled :
 B14-5-7

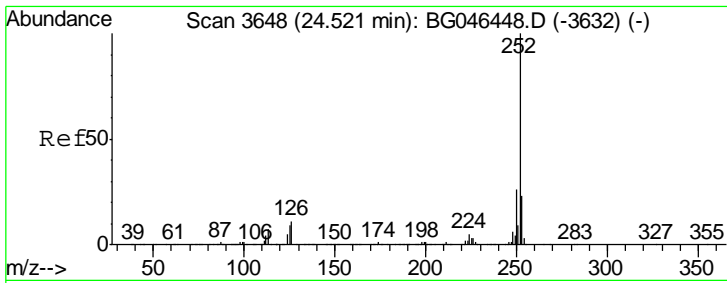
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.2	18.7	28.1
125	8.5	6.5	9.7



#89
 Benzo(k)fluoranthene
 Concen: 3.287 ng
 RT: 23.66 min Scan# 3501
 Delta R.T. -0.07 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.2	18.6	27.8
125	8.5	6.8	10.2





#90
 Benzo(a)pyrene
 Concen: 2.283 ng
 RT: 24.49 min Scan# 3642
 Delta R.T. -0.01 min
 Lab File: BG046647.D
 Acq: 16 Sep 2020 19:21

Instrument :
 BNA_G
 ClientSampleId :
 B14-5-7

Tot Ion: 252 Resp: 57120

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	9.9	7.0	10.4

