

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\  
 Data File : BG035422.D  
 Acq On : 26 Jun 2018 22:47  
 Operator : JU/SJ  
 Sample : J3570-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 27 02:55:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	50646	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	191264	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	138696	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	359792	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	390985	20.00	ng	-0.04
86) Perylene-d12	24.89	264	382015	20.00	ng	-0.06

## System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	200829	66.92	ng	-0.02
7) Phenol-d6	7.21	99	180747	40.81	ng	-0.02
23) Nitrobenzene-d5	9.21	82	398222	98.97	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	282431	159.07	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	892012	83.61	ng	-0.03
78) Terphenyl-d14	20.02	244	1607191	86.10	ng	-0.02

## Target Compounds

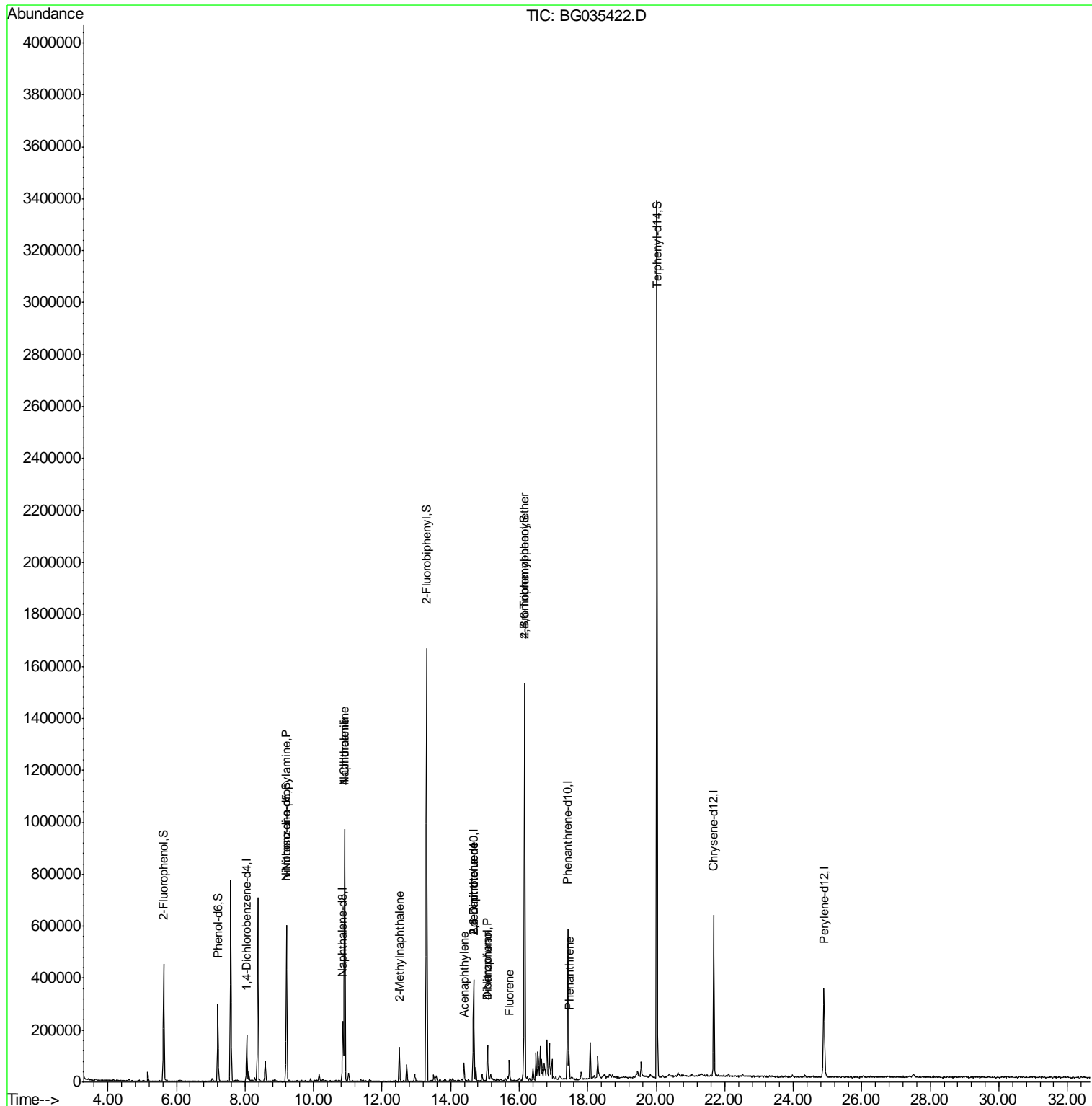
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.21	70	55265	14.686	ng	# 68
31) Naphthalene	10.91	128	792827	79.794	ng	98
33) 4-Chloroaniline	10.91	127	108964	25.257	ng	# 29
37) 2-Methylnaphthalene	12.50	142	58739	7.798	ng	94
48) Acenaphthylene	14.39	152	51007	3.608	ng	98
50) 2,6-Dinitrotoluene	14.67	165	20589	9.331	ng	# 22
54) Dibenzofuran	15.07	168	49528	3.580	ng	# 96
55) 4-Nitrophenol	15.07	139	19120	10.464	ng	# 2
56) 2,4-Dinitrotoluene	14.67	165	20589	7.024	ng	# 19
57) Fluorene	15.72	166	35515	3.071	ng	# 94
66) 4-Bromophenyl-phenylether	16.16	248	21221	4.898	ng	# 1
70) Phenanthrene	17.45	178	62384	3.413	ng	97

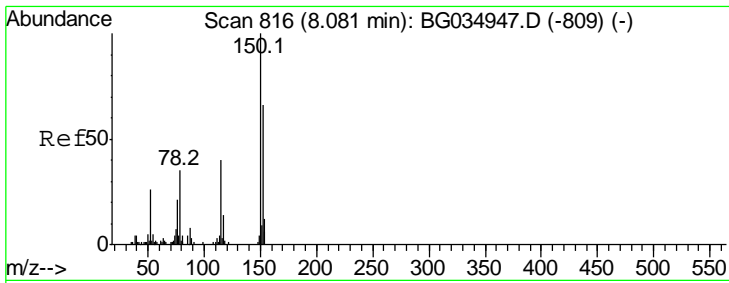
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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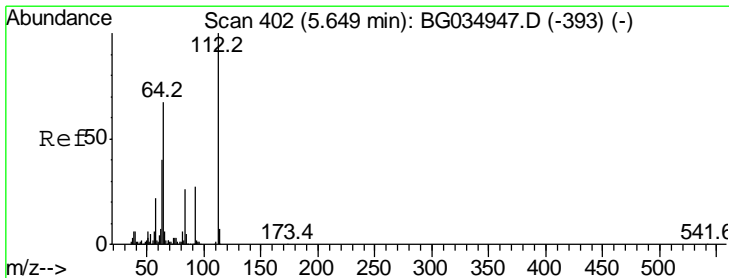
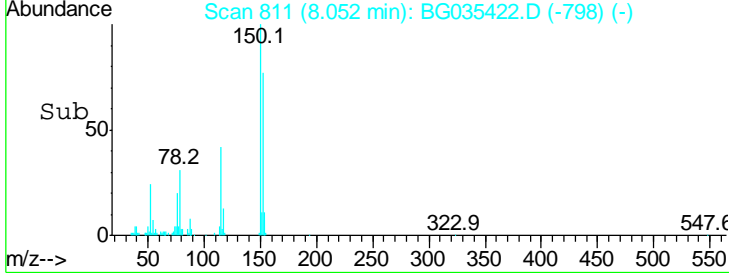
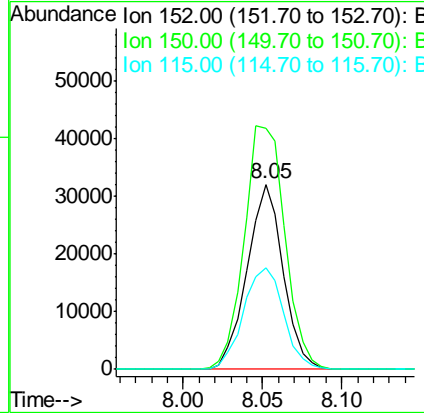
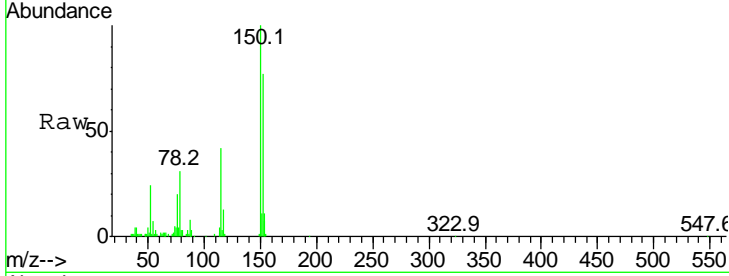




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 811  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

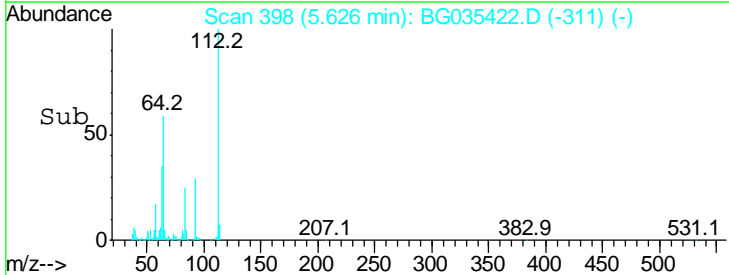
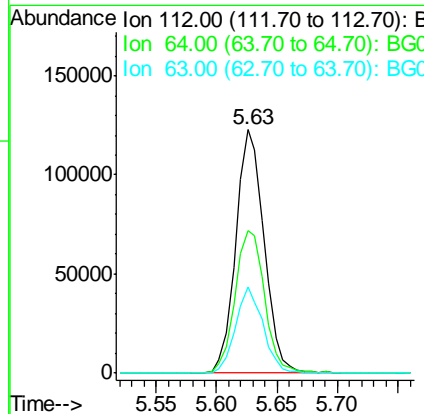
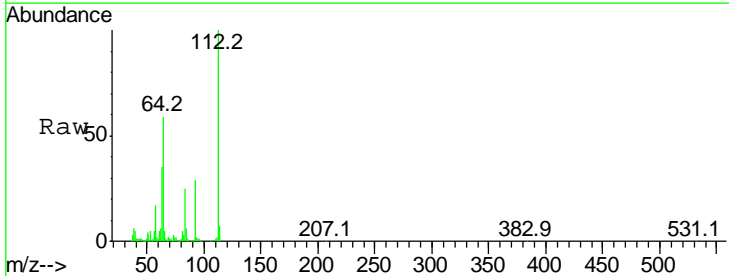
Instrument :  
 BNA\_G  
 ClientSampled :

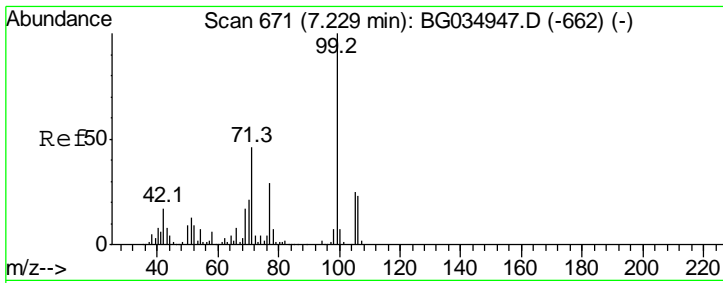
Tgt Ion	Resp	Lower	Upper
152	100		
150	130.5	126.6	189.8
115	54.7	53.0	79.4



#5  
 2-Fluorophenol  
 Concen: 66.920 ng  
 RT: 5.63 min Scan# 398  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
112	100		
64	58.7	56.3	84.5
63	35.3	30.1	45.1

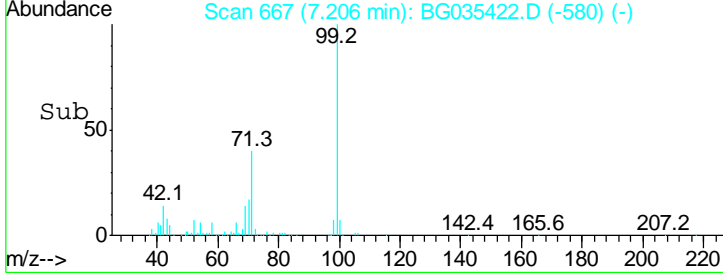
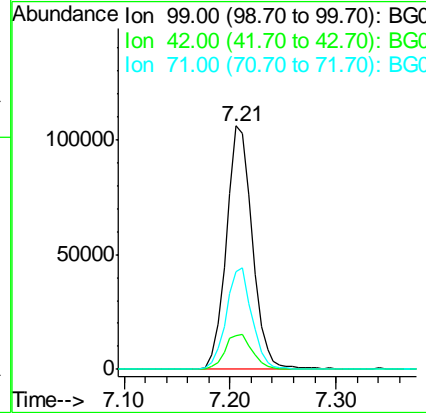
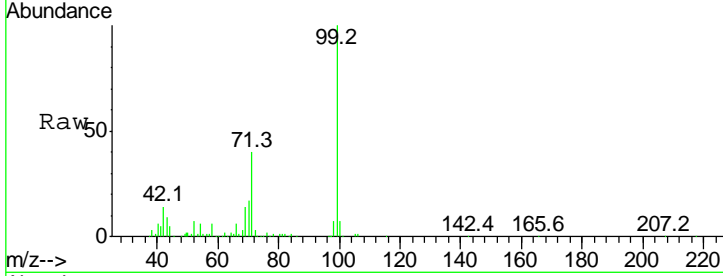




#7  
 Phenol-d6  
 Concen: 40.806 ng  
 RT: 7.21 min Scan# 667  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

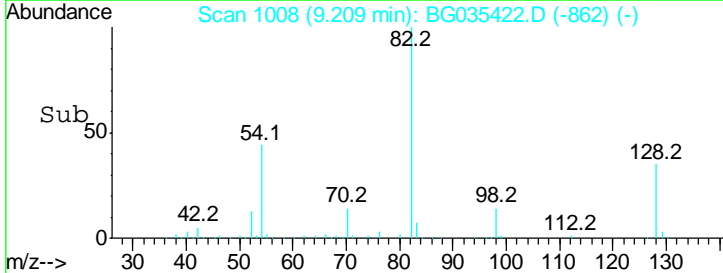
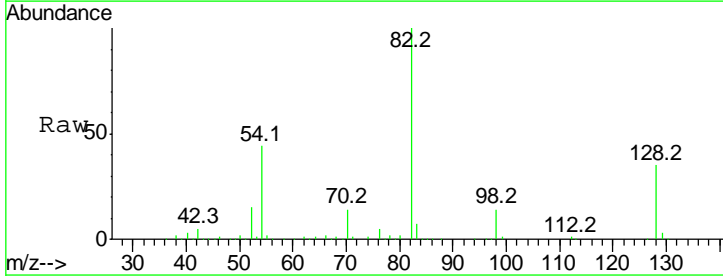
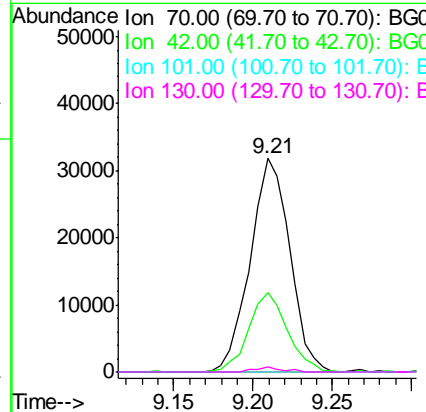
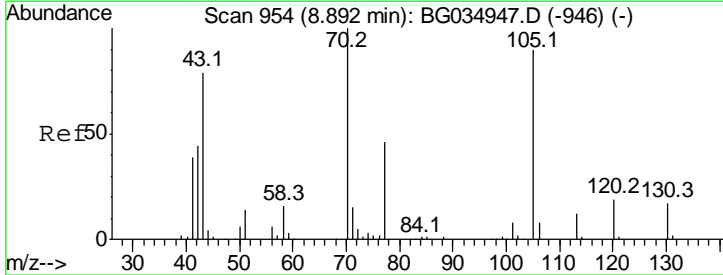
Instrument :  
 BNA\_G  
 ClientSampled :

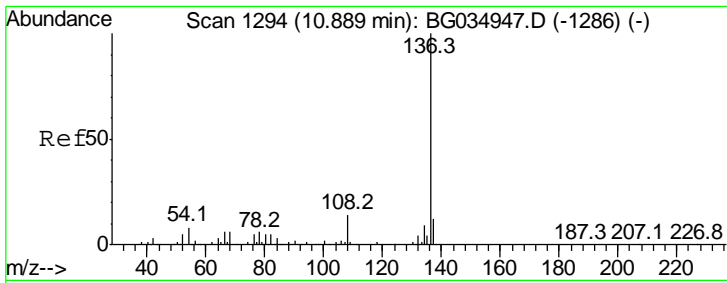
Tgt Ion	Resp	Lower	Upper
99	180747		
99	100		
42	13.7	14.1	21.1#
71	40.3	26.1	39.1#



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 14.686 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. 0.33 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
70	55265		
70	100		
42	37.1	49.1	73.7#
101	0.0	8.5	12.7#
130	2.2	13.4	20.0#

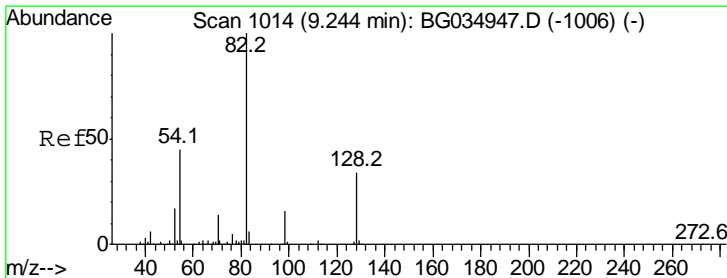
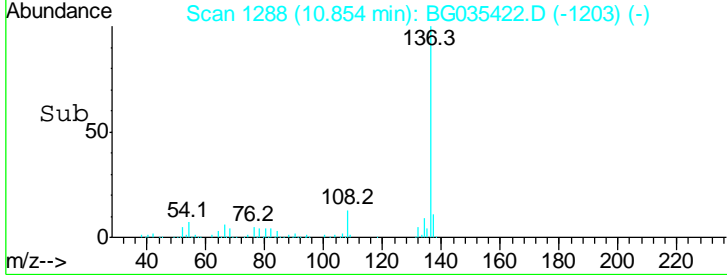
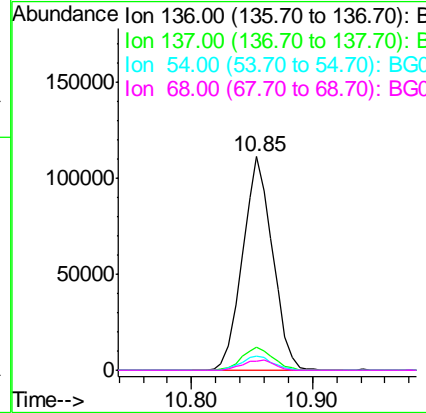
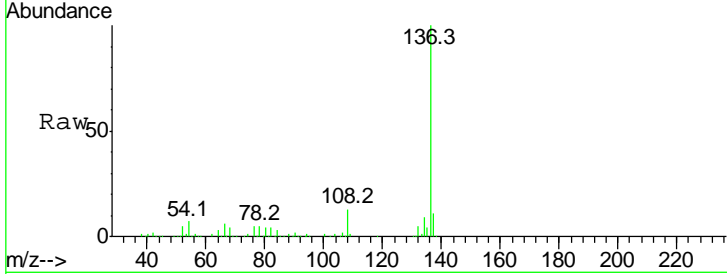




#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.85 min Scan# 1288  
 Delta R.T. -0.03 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

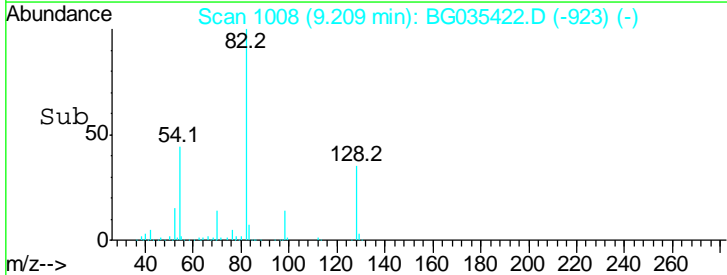
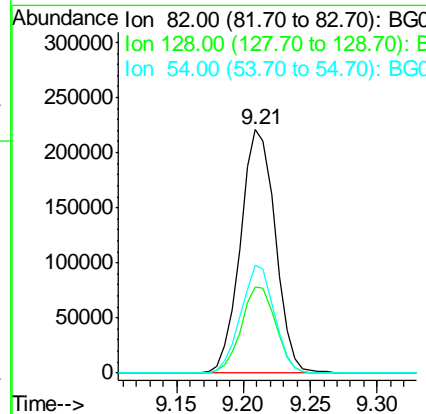
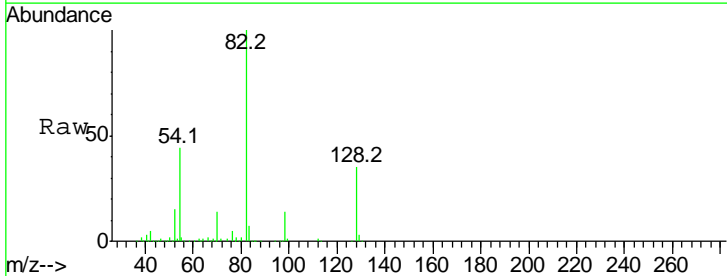
Instrument :  
 BNA\_G  
 ClientSampled :

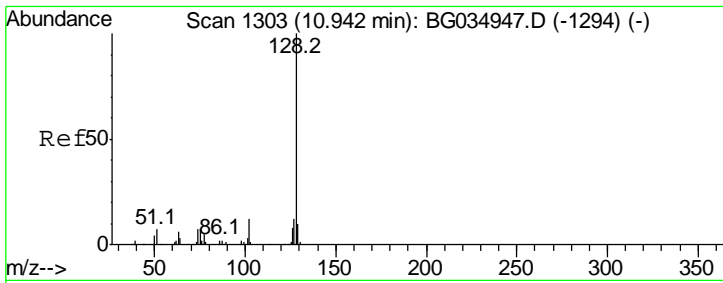
Tgt Ion	Resp	Lower	Upper
136	191264		
137	10.6	9.2	13.8
54	6.7	10.3	15.5#
68	4.1	4.5	6.7#



#23  
 Nitrobenzene-d5  
 Concen: 98.969 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. -0.03 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
82	398222		
128	35.2	29.7	44.5
54	44.1	43.1	64.7

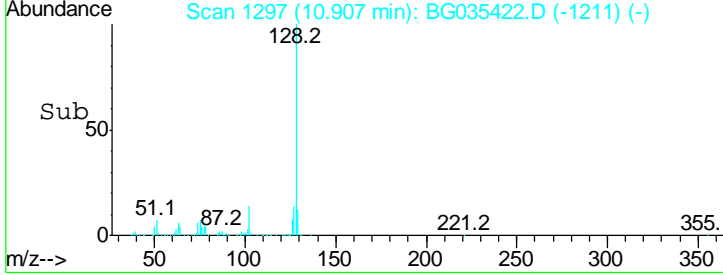
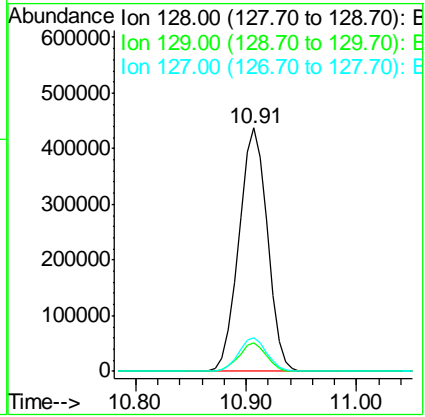
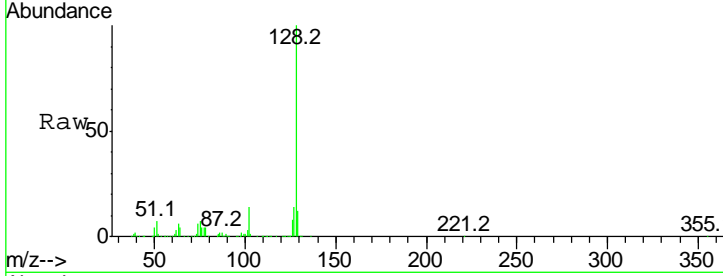




#31  
 Naphthalene  
 Concen: 79.794 ng  
 RT: 10.91 min Scan# 1297  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

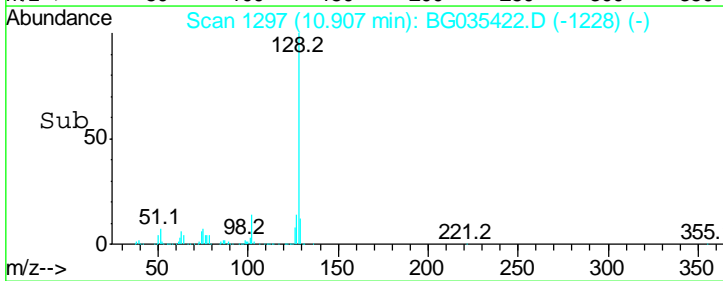
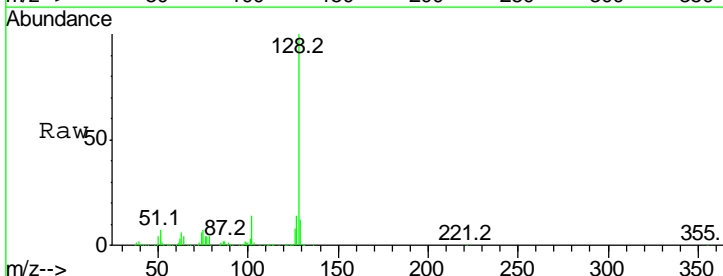
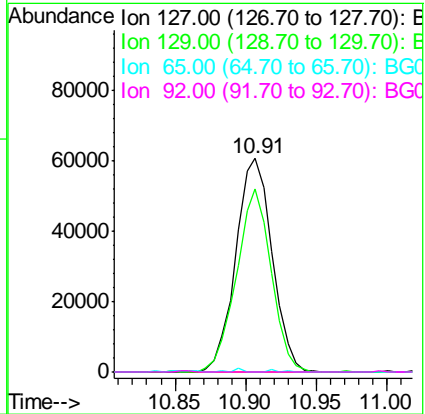
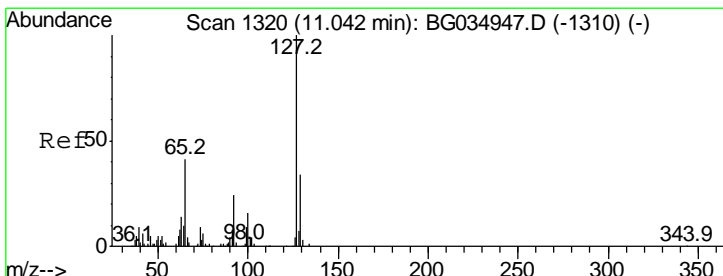
Instrument :  
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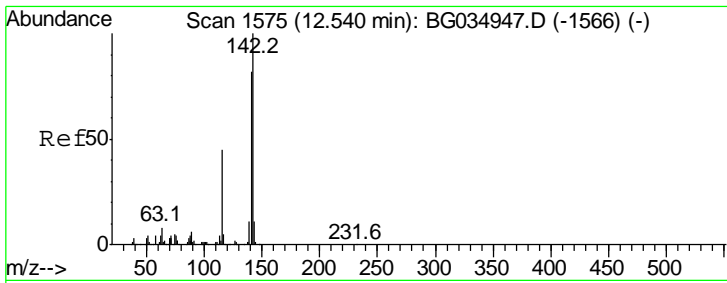
Tgt Ion	Resp	Lower	Upper
128	100		
129	11.9	8.6	12.8
127	13.9	11.6	17.4



#33  
 4-Chloroaniline  
 Concen: 25.257 ng  
 RT: 10.91 min Scan# 1297  
 Delta R.T. -0.12 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
127	100		
129	85.7	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

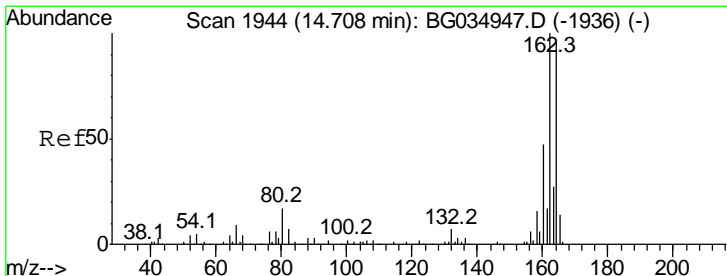
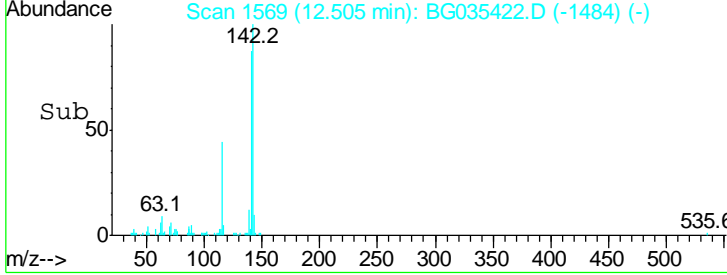
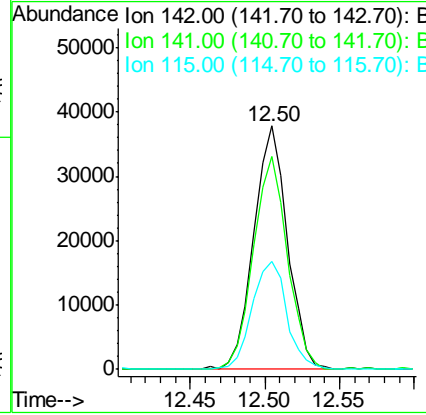
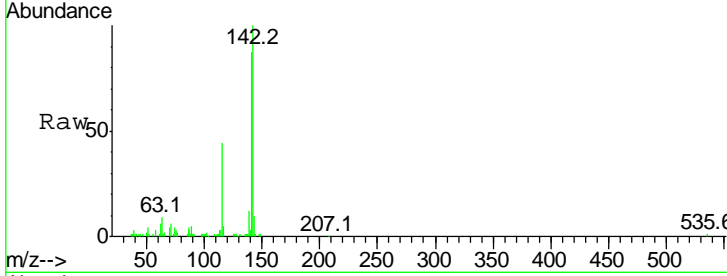




#37  
 2-Methylnaphthalene  
 Concen: 7.798 ng  
 RT: 12.50 min Scan# 1569  
 Delta R.T. -0.03 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

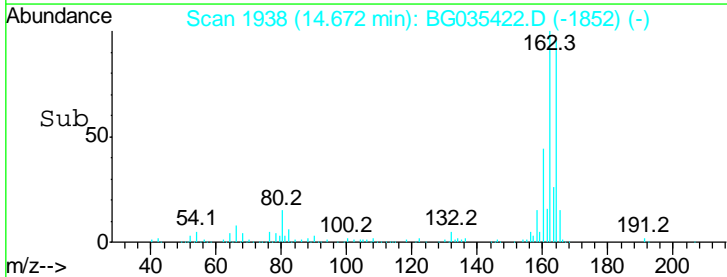
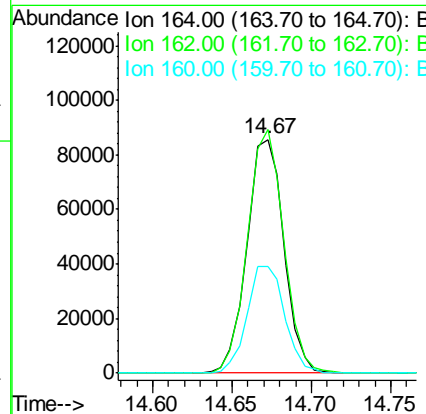
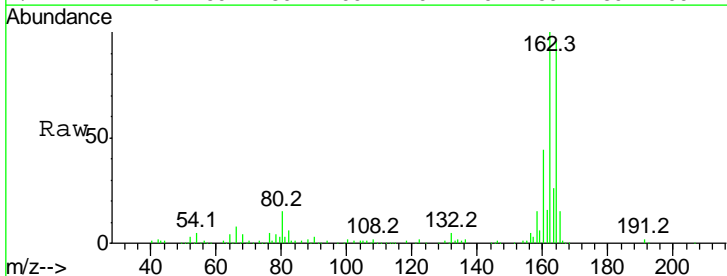
Instrument :  
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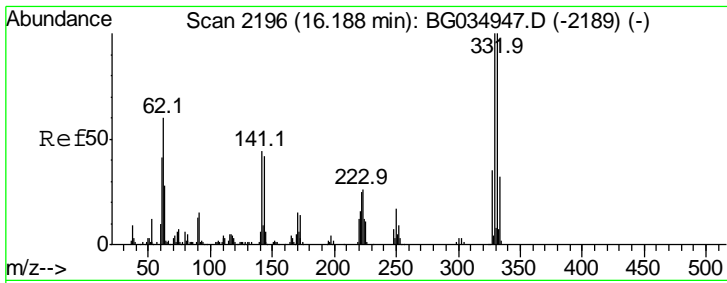
Tgt Ion	Resp	Lower	Upper
142	100		
141	87.4	67.1	100.7
115	44.4	30.7	46.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
164	100		
162	104.1	78.8	118.2
160	45.8	35.4	53.0

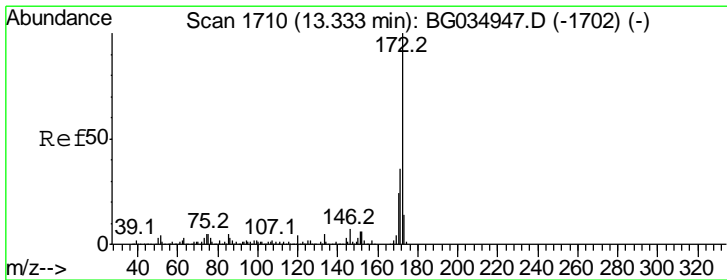
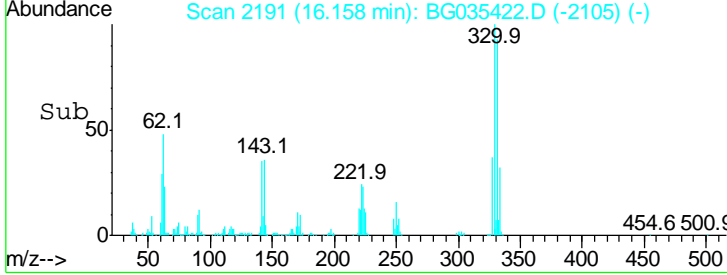
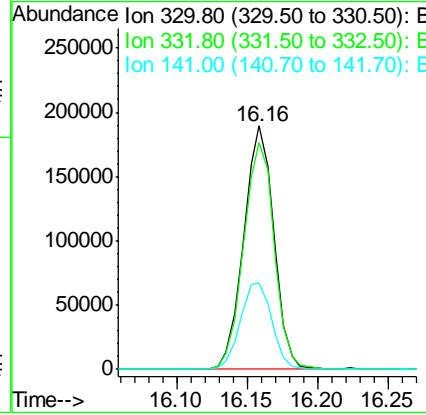
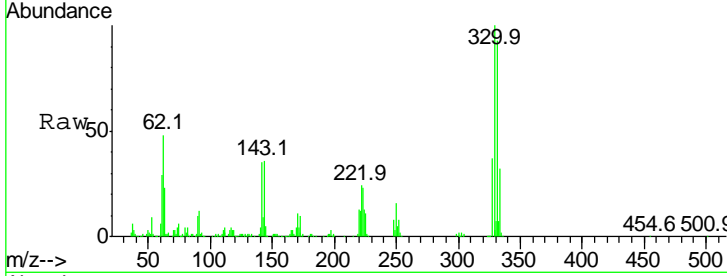




#41  
 2,4,6-Tribromophenol  
 Concen: 159.073 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

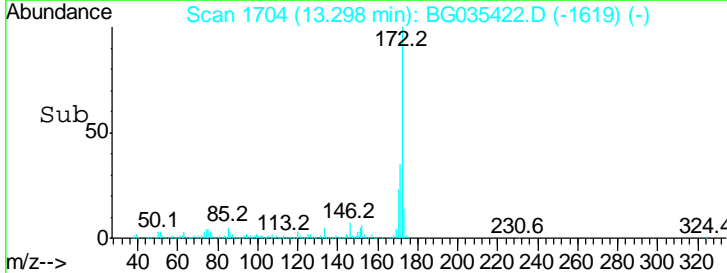
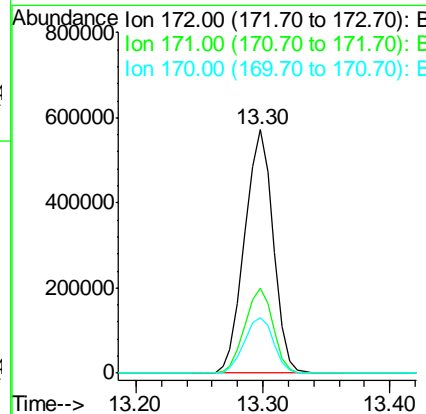
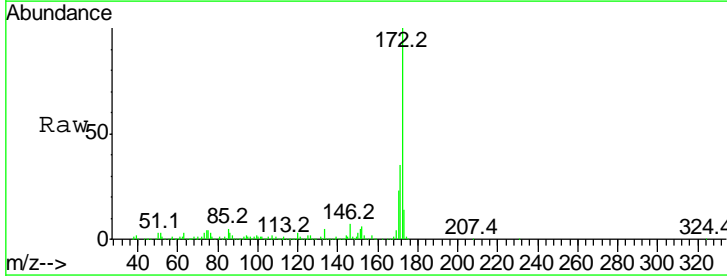
Instrument :  
 BNA\_G  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	37.4	25.2	37.8

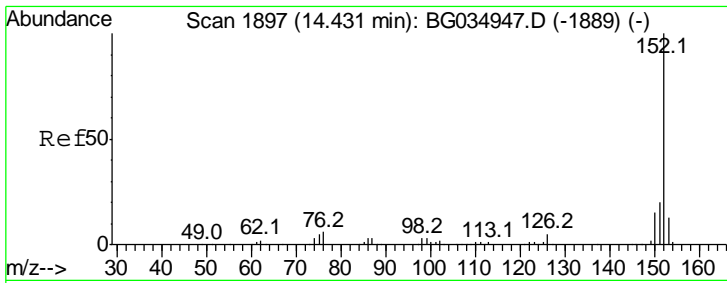


#44  
 2-Fluorobiphenyl  
 Concen: 83.608 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.03 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	22.6	19.5	29.3





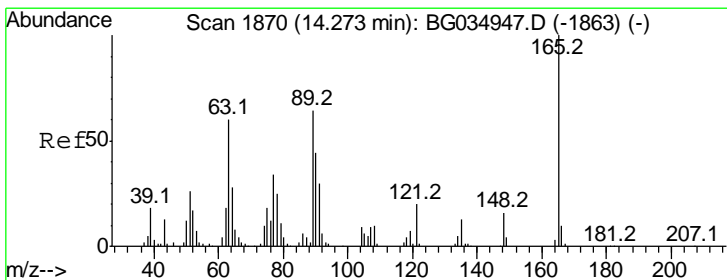
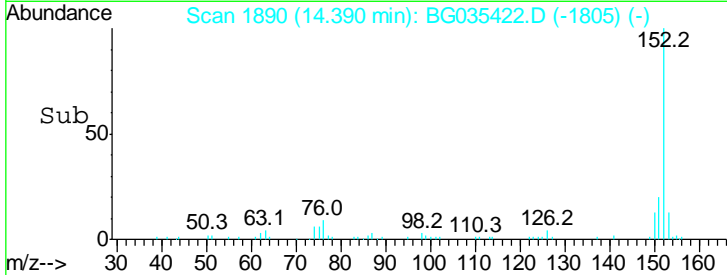
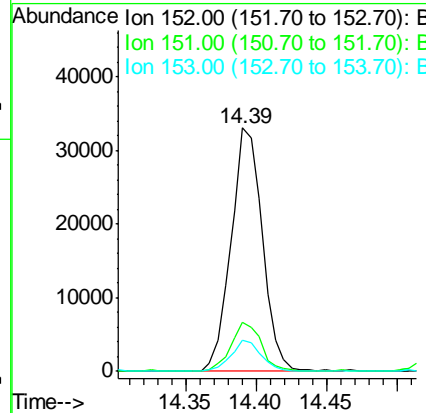
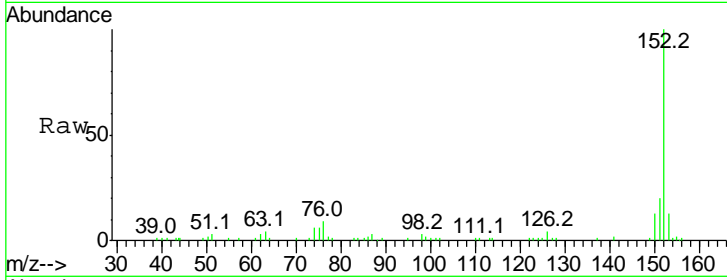


#48  
 Acenaphthylene  
 Concen: 3.608 ng  
 RT: 14.39 min Scan# 1890  
 Delta R.T. -0.03 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Instrument :  
 BNA\_G  
 ClientSampled :

Tgt Ion:152 Resp: 51007

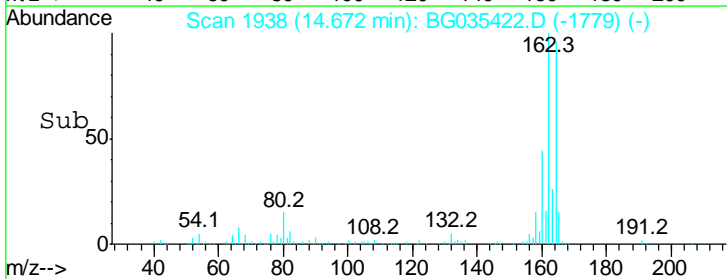
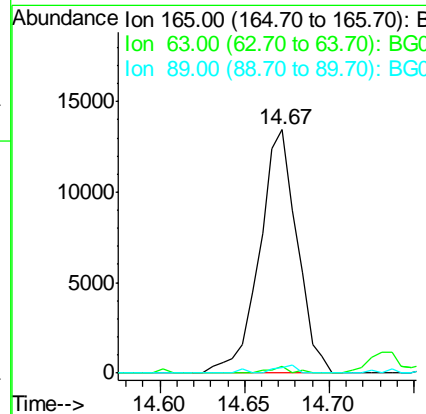
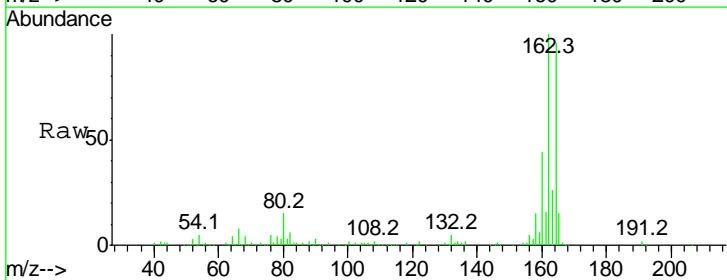
Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.2	25.8
153	12.6	10.2	15.4

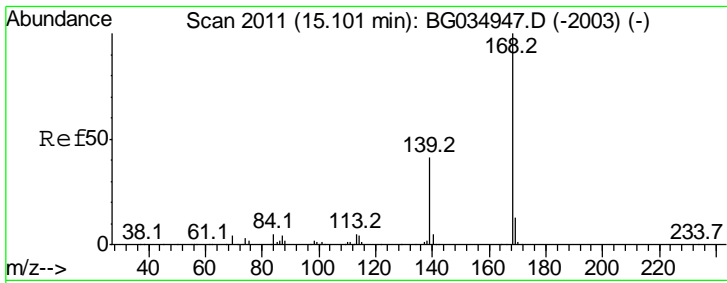


#50  
 2,6-Dinitrotoluene  
 Concen: 9.331 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. 0.40 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion:165 Resp: 20589

Ion	Ratio	Lower	Upper
165	100		
63	2.9	52.7	79.1#
89	2.2	49.2	73.8#

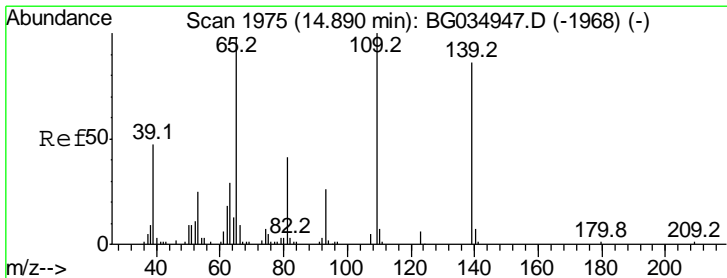
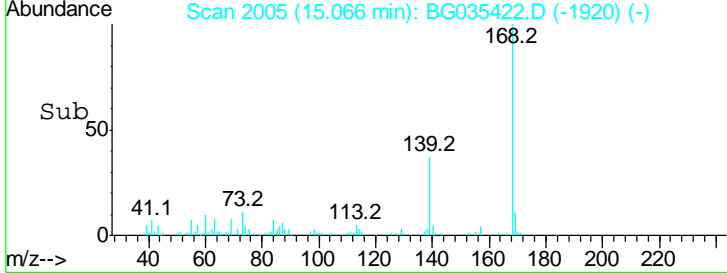
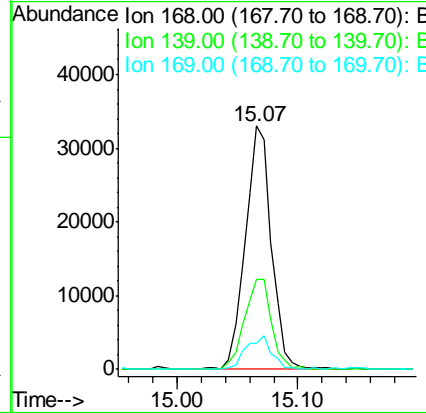
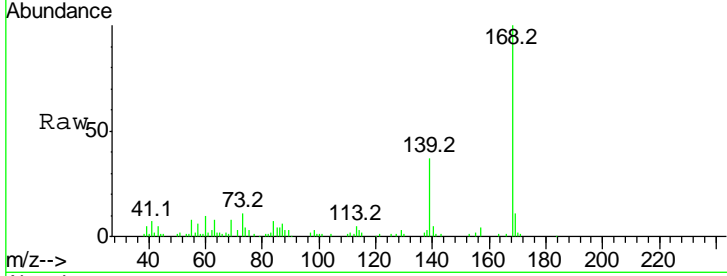




#54  
 Dibenzofuran  
 Concen: 3.580 ng  
 RT: 15.07 min Scan# 2005  
 Delta R.T. -0.03 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

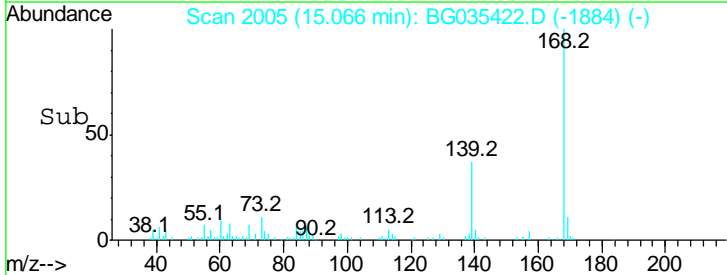
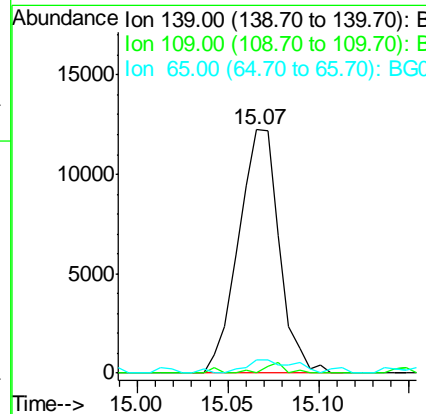
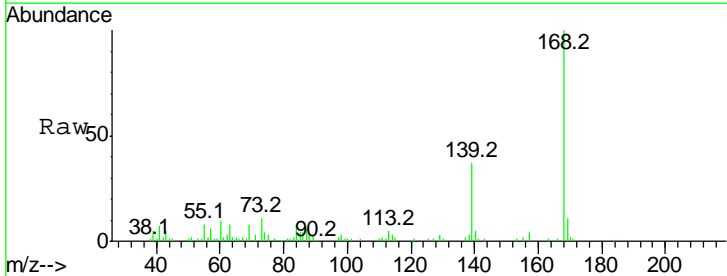
Instrument :  
 BNA\_G  
 ClientSampled :

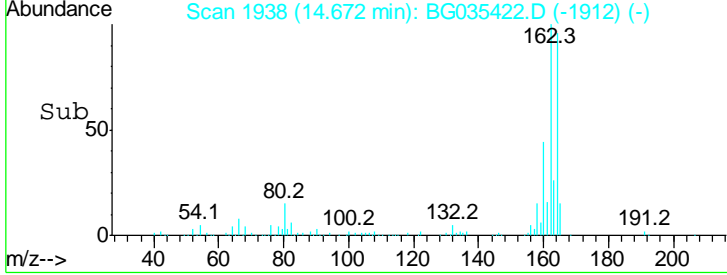
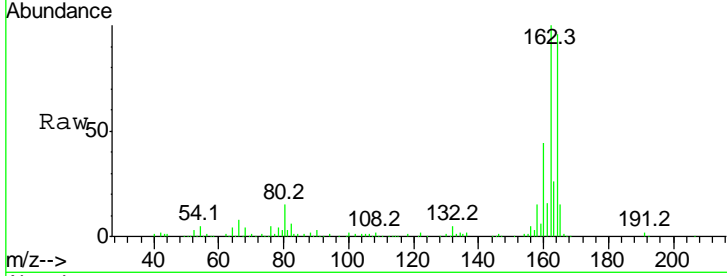
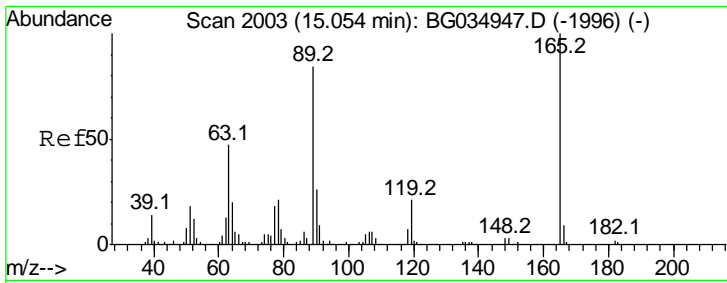
Tgt Ion	Resp	Lower	Upper
168	49528		
168	100		
139	37.1	28.6	43.0
169	10.6	11.2	16.8#



#55  
 4-Nitrophenol  
 Concen: 10.464 ng  
 RT: 15.07 min Scan# 2005  
 Delta R.T. 0.18 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
139	19120		
139	100		
109	0.0	62.2	102.2#
65	5.4	97.2	137.2#

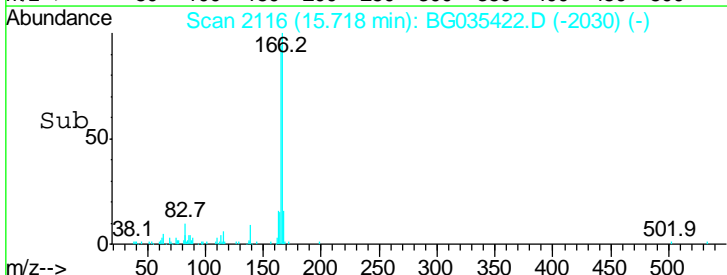
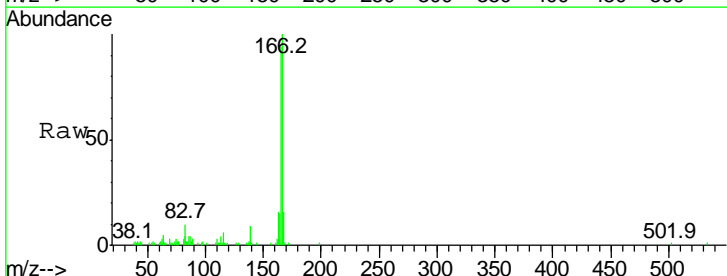
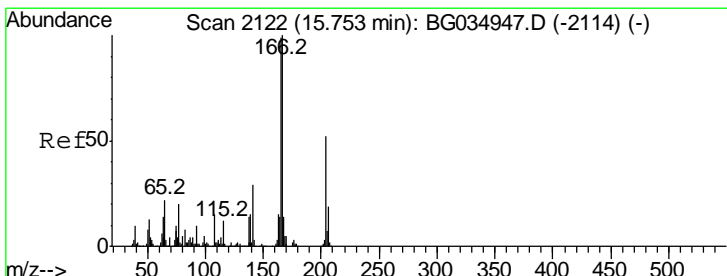
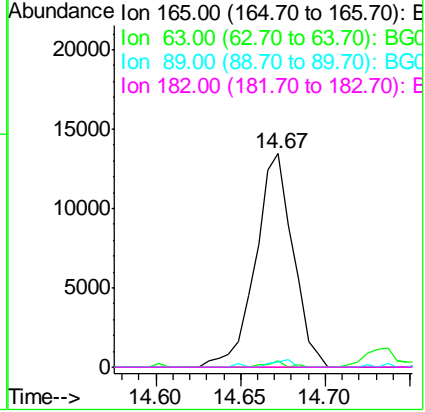




#56  
 2,4-Dinitrotoluene  
 Concen: 7.024 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.38 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

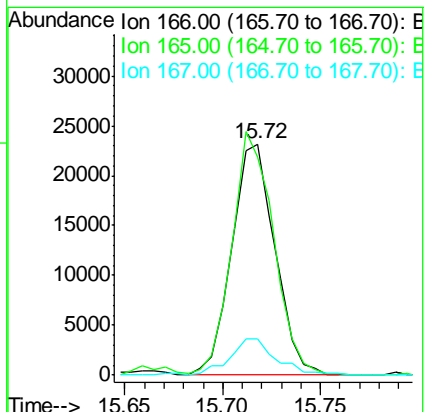
Instrument :  
 BNA\_G  
 ClientSampleId :

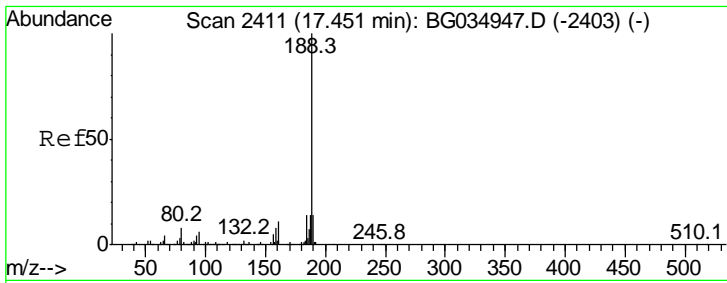
Tgt Ion	Resp	Lower	Upper
165	100		
63	2.9	42.0	63.0#
89	2.2	66.9	100.3#
182	0.0	2.6	3.8#



#57  
 Fluorene  
 Concen: 3.071 ng  
 RT: 15.72 min Scan# 2116  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
166	100		
165	94.4	80.6	121.0
167	15.6	10.4	15.6#

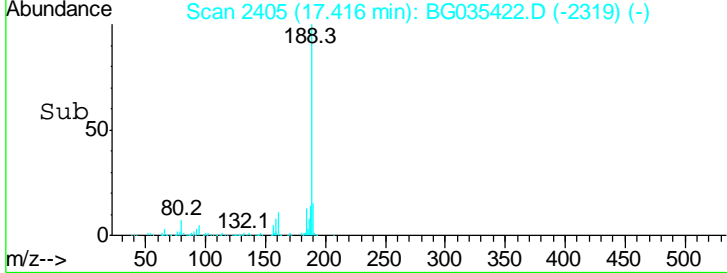
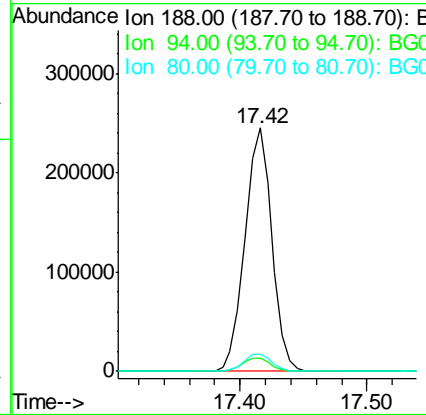
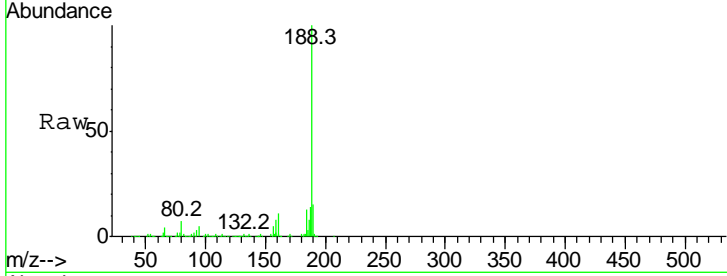




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2405  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

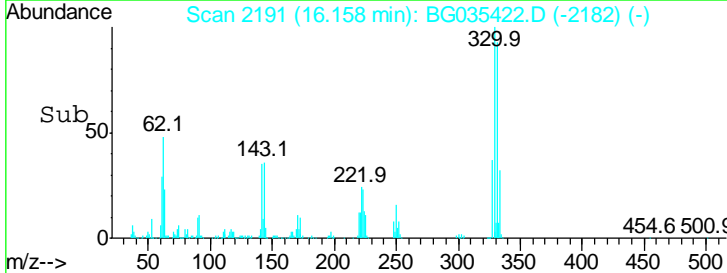
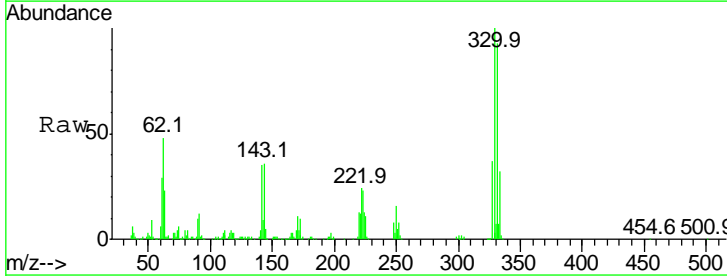
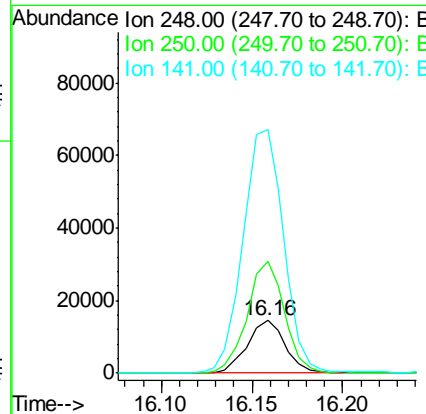
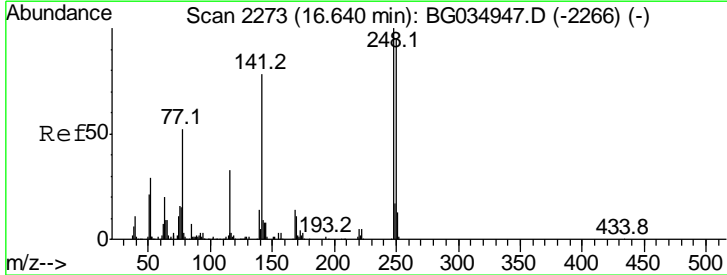
Instrument :  
 BNA\_G  
 ClientSampled :

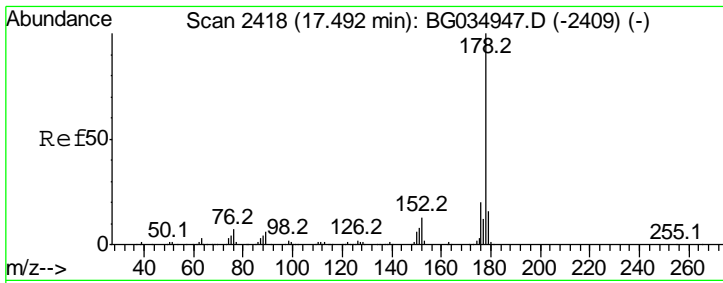
Tgt Ion	Resp	Lower	Upper
188	100		
94	5.3	6.9	10.3#
80	7.2	7.7	11.5#



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.898 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.48 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
248	100		
250	210.6	77.1	115.7#
141	460.9	50.8	76.2#

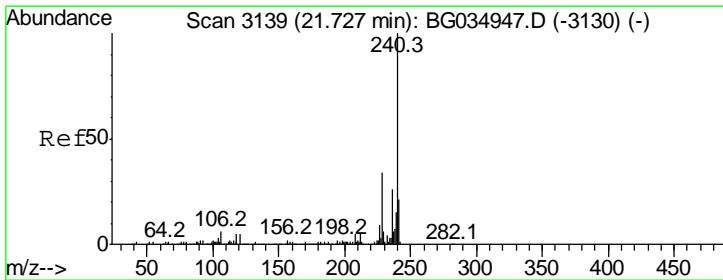
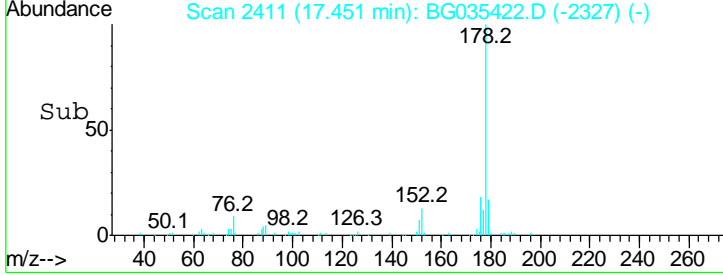
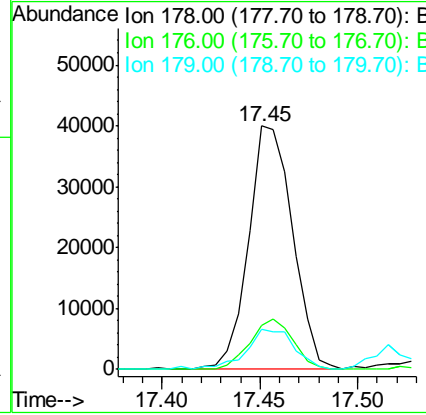
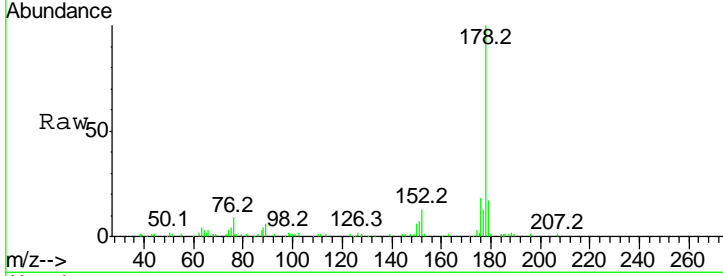




#70  
 Phenanthrene  
 Concen: 3.413 ng  
 RT: 17.45 min Scan# 2411  
 Delta R.T. -0.04 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

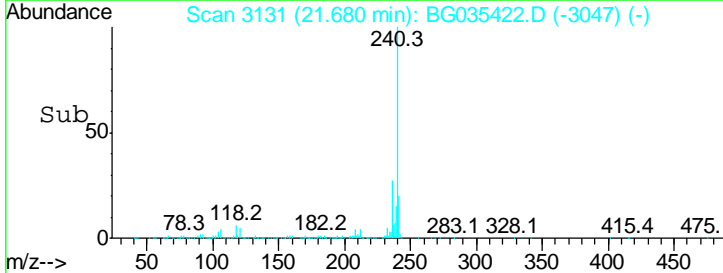
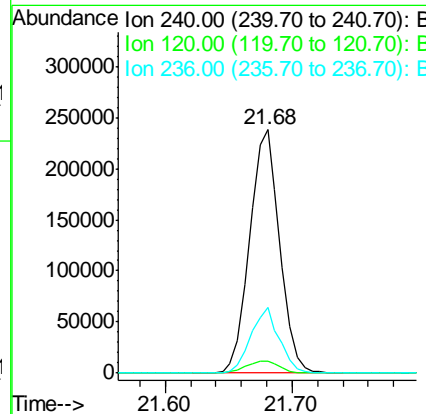
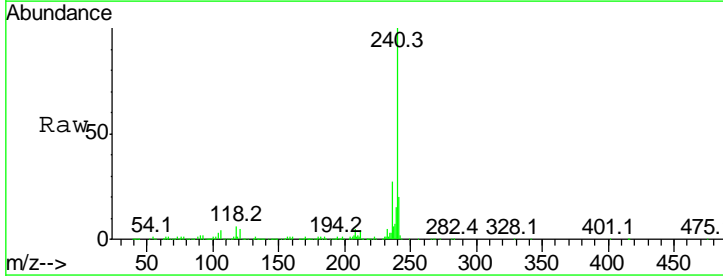
Instrument :  
 BNA\_G  
 ClientSampled :

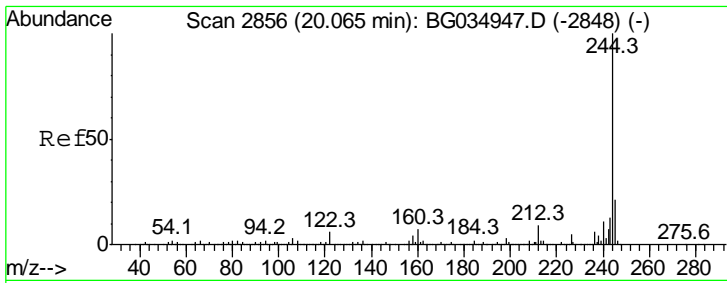
Tgt Ion	Resp	Lower	Upper
178	62384		
176	18.1	15.7	23.5
179	16.5	12.5	18.7



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3131  
 Delta R.T. -0.04 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion	Resp	Lower	Upper
240	390985		
120	5.0	6.8	10.2#
236	26.8	20.9	31.3



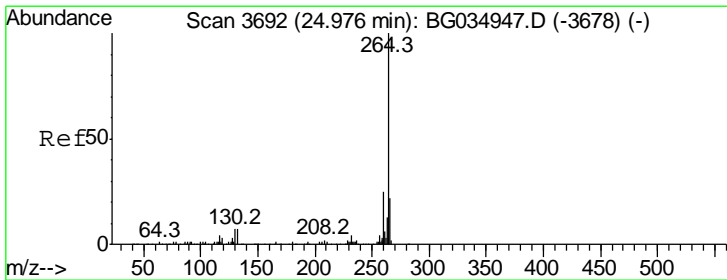
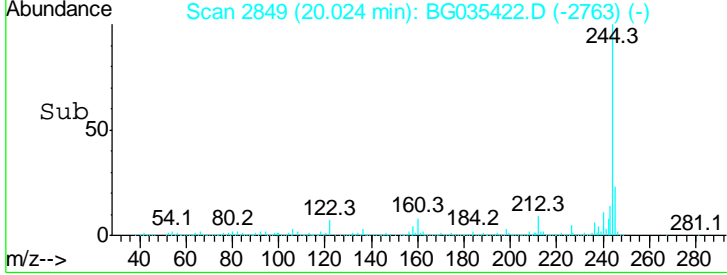
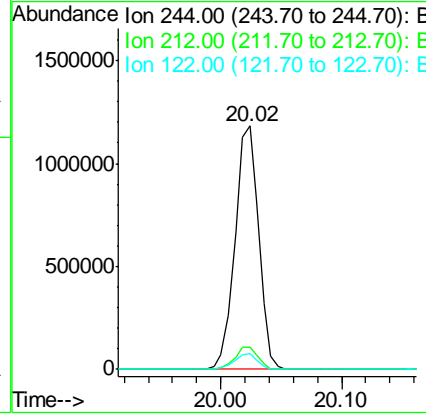
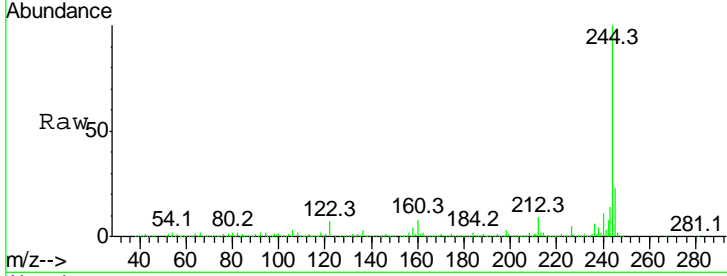


#78  
 Terphenyl-d14  
 Concen: 86.104 ng  
 RT: 20.02 min Scan# 2849  
 Delta R.T. -0.02 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Instrument :  
 BNA\_G  
 ClientSampled :

Tgt Ion: 244 Resp: 1607191

Ion	Ratio	Lower	Upper
244	100		
212	9.1	5.8	8.8#
122	6.6	7.0	10.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.89 min Scan# 3678  
 Delta R.T. -0.06 min  
 Lab File: BG035422.D  
 Acq: 26 Jun 2018 22:47

Tgt Ion: 264 Resp: 382015

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	21.7	17.7	26.5

