

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040921\
 Data File : BG048654.D
 Acq On : 9 Apr 2021 21:04
 Operator : CG/JU
 Sample : M1967-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SED-1A

Quant Time: Apr 10 00:55:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 07 10:06:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

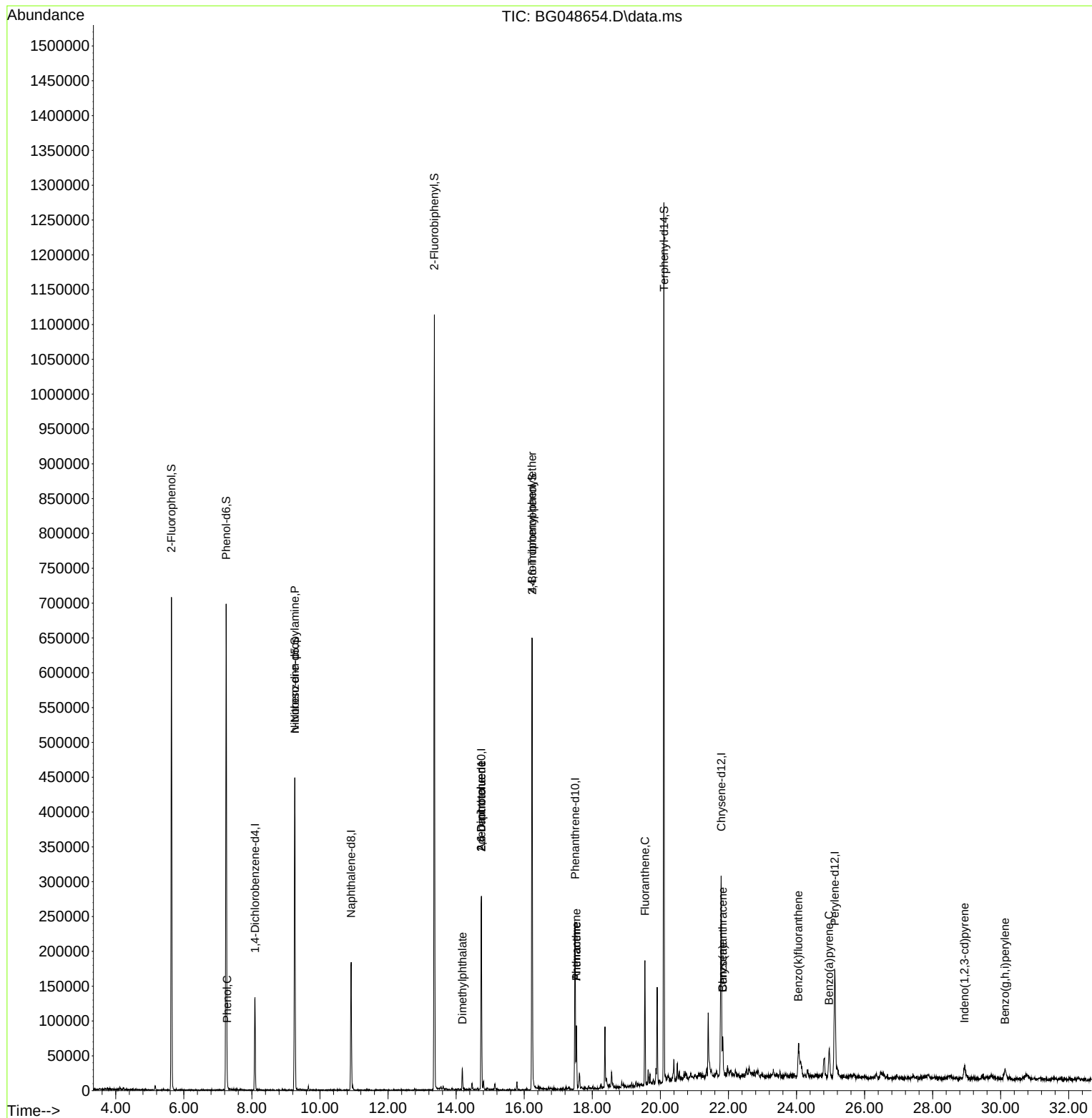
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.091	152	37614	20.00	ng	# 0.00
21) Naphthalene-d8	10.917	136	157999	20.00	ng	0.00
39) Acenaphthene-d10	14.742	164	97879	20.00	ng	0.00
64) Phenanthrene-d10	17.498	188	166834	20.00	ng	0.00
76) Chrysene-d12	21.787	240	168163	20.00	ng	#-0.02
86) Perylene-d12	25.124	264	168464	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.635	112	305925	143.59	ng	0.00
7) Phenol-d6	7.245	99	381690	123.53	ng	0.00
23) Nitrobenzene-d5	9.260	82	272854	83.61	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	123445	95.94	ng	0.00
45) 2-Fluorobiphenyl	13.361	172	555172	84.31	ng	0.00
79) Terphenyl-d14	20.106	244	613319	66.70	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.274	94	6246	2.02	ng	95
19) n-Nitroso-di-n-propyla...	9.260	70	38978	18.30	ng	# 67
50) Dimethylphthalate	14.184	163	20122	2.77	ng	99
51) 2,6-Dinitrotoluene	14.742	165	13427	8.08	ng	# 20
57) 2,4-Dinitrotoluene	14.742	165	13427	5.71	ng	# 25
67) 4-Bromophenyl-phenylether	16.229	248	8683	4.70	ng	# 1
71) Phenanthrene	17.533	178	57365	6.62	ng	98
72) Anthracene	17.533	178	57365	6.65	ng	96
75) Fluoranthene	19.548	202	116816	10.88	ng	99
81) Benzo(a)anthracene	21.834	228	40135	3.57	ng	93
83) Chrysene	21.834	228	40135	3.74	ng	93
87) Indeno(1,2,3-cd)pyrene	28.937	276	29713	2.52	ng	# 85
89) Benzo(k)fluoranthene	24.055	252	57534	5.47	ng	100
90) Benzo(a)pyrene	24.959	252	45065	4.47	ng	98
92) Benzo(g,h,i)perylene	30.124	276	29413	2.98	ng	# 94

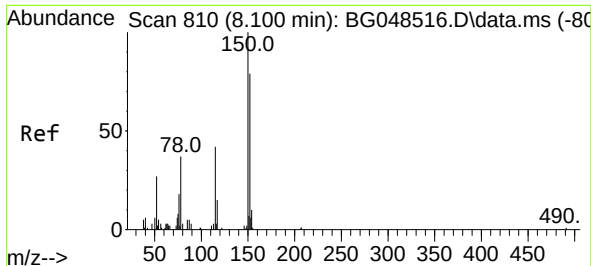
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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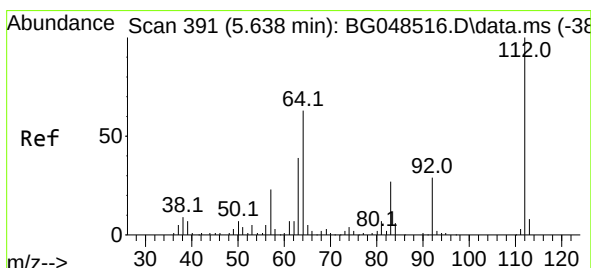
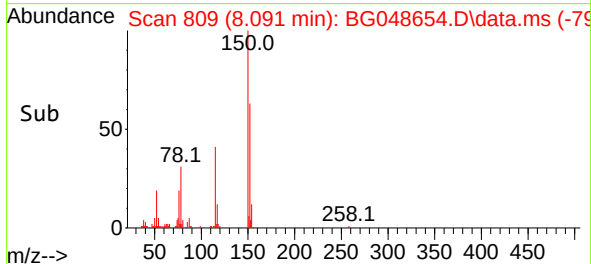
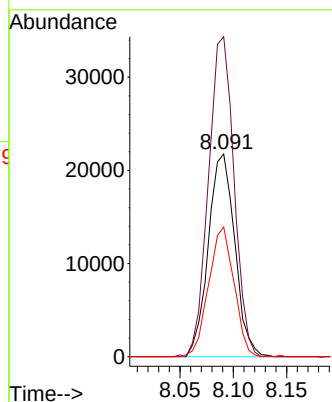
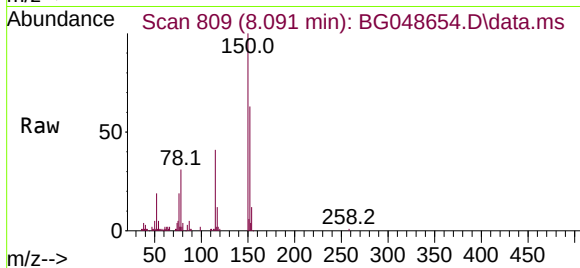




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.091 min Scan# 809
Delta R.T. -0.009 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

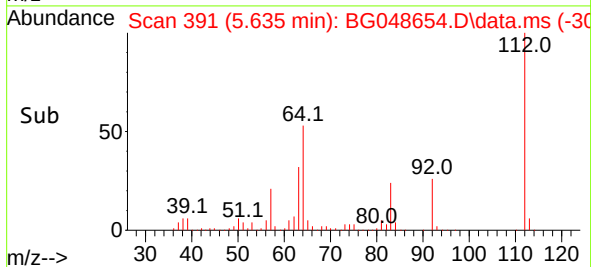
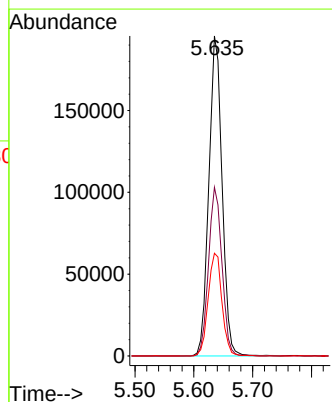
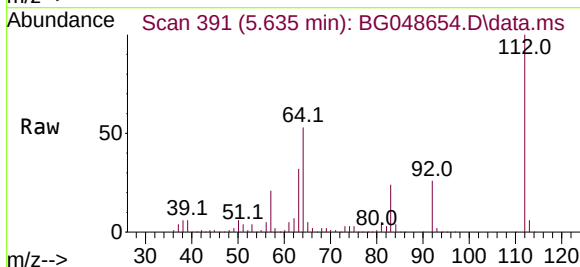
Instrument :
BNA_G
ClientSampleId :
SED-1A

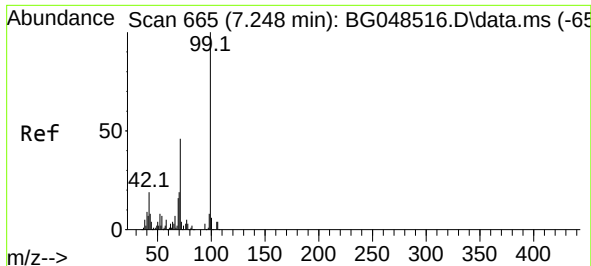
Tgt Ion:152 Resp: 37614
Ion Ratio Lower Upper
152 100
150 157.9 101.3 151.9#
115 64.0 42.3 63.5#



#5
2-Fluorophenol
Concen: 143.59 ng
RT: 5.635 min Scan# 391
Delta R.T. -0.003 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:112 Resp: 305925
Ion Ratio Lower Upper
112 100
64 52.7 50.4 75.6
63 32.1 31.4 47.2

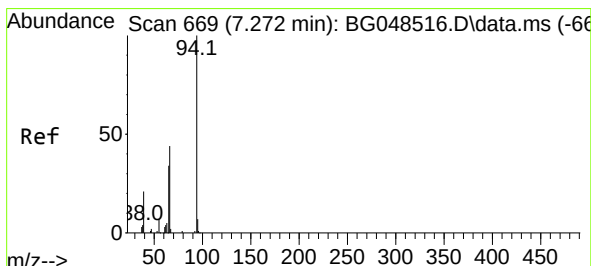
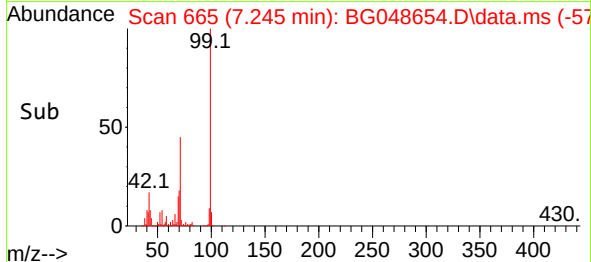
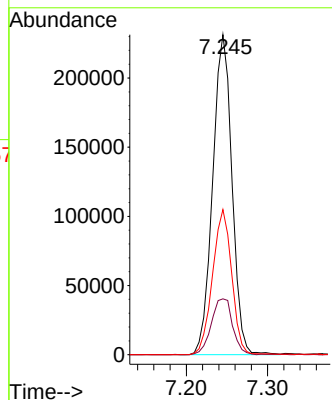
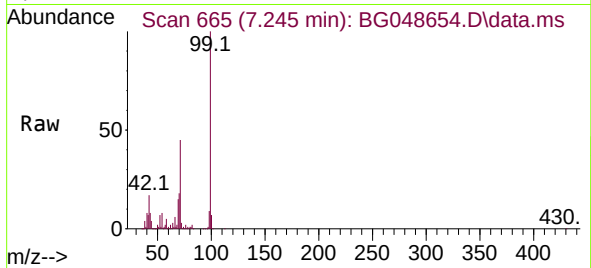




#7
Phenol-d6
Concen: 123.53 ng
RT: 7.245 min Scan# 665
Delta R.T. -0.003 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

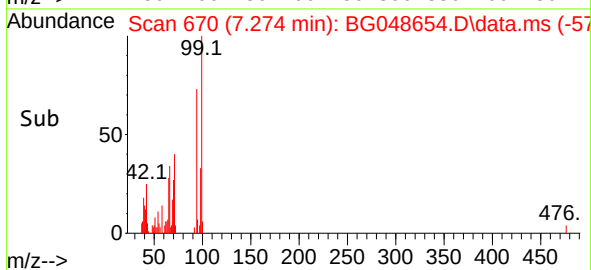
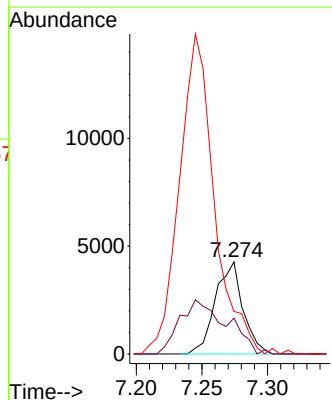
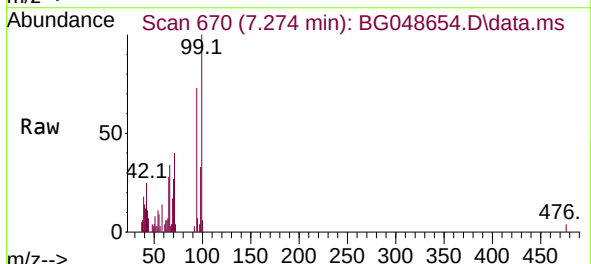
Instrument :
BNA_G
ClientSampleId :
SED-1A

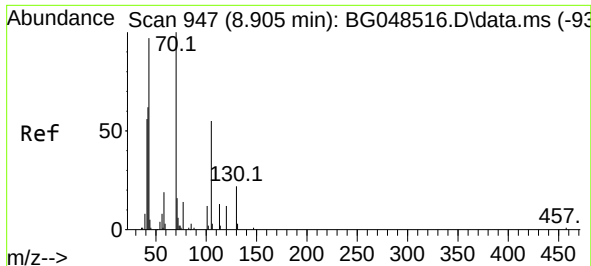
Tgt Ion: 99 Resp: 381690
Ion Ratio Lower Upper
99 100
42 17.5 15.5 23.3
71 45.3 36.6 54.8



#10
Phenol
Concen: 2.02 ng
RT: 7.274 min Scan# 670
Delta R.T. 0.003 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion: 94 Resp: 6246
Ion Ratio Lower Upper
94 100
65 39.0 15.1 55.1
66 46.2 28.9 68.9

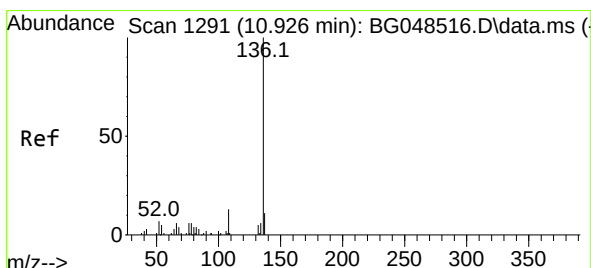
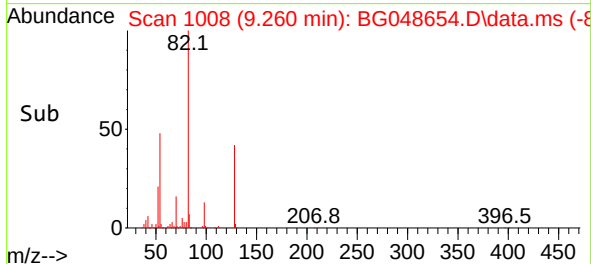
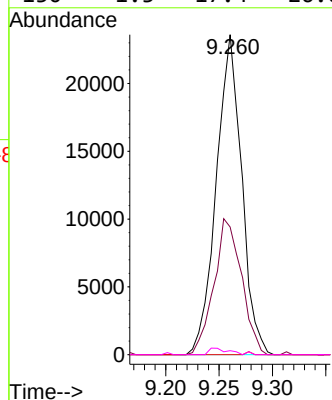
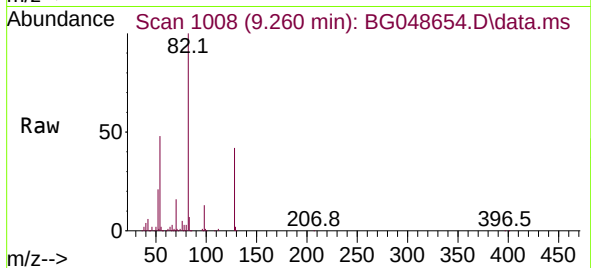




#19
n-Nitroso-di-n-propylamine
Concen: 18.30 ng
RT: 9.260 min Scan# 1008
Delta R.T. 0.355 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

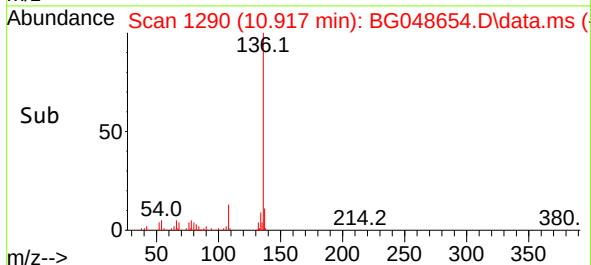
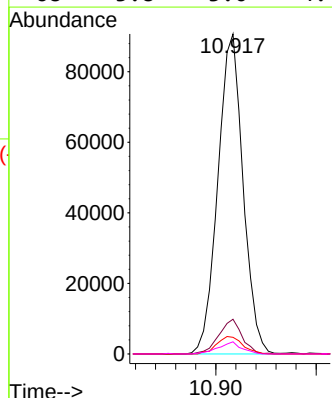
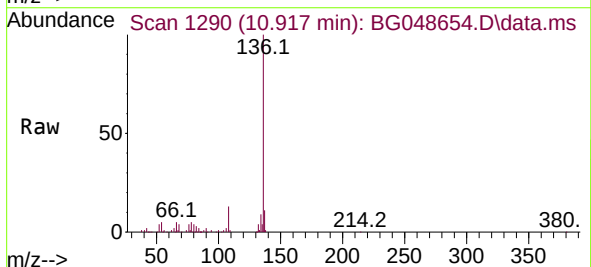
Instrument :
BNA_G
ClientSampleId :
SED-1A

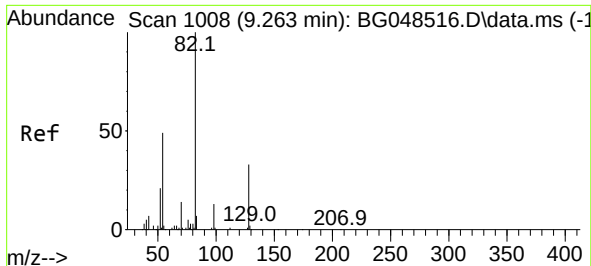
Tgt Ion: 70 Resp: 38978
Ion Ratio Lower Upper
70 100
42 39.9 50.8 76.2#
101 0.0 9.7 14.5#
130 1.3 17.4 26.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.917 min Scan# 1290
Delta R.T. -0.009 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion: 136 Resp: 157999
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 5.2 4.2 6.4
68 3.8 3.0 4.4

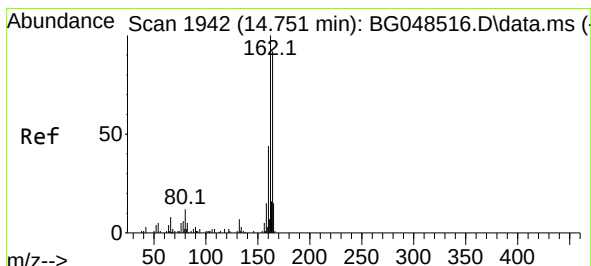
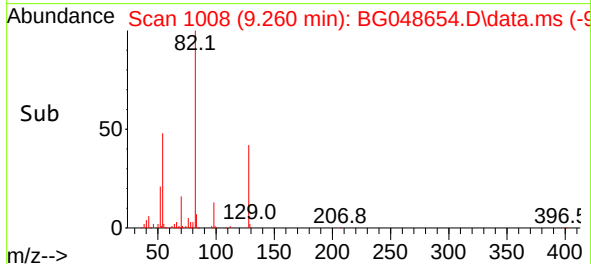
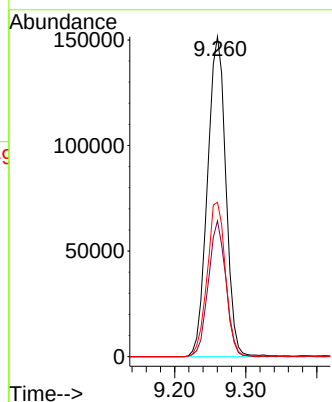
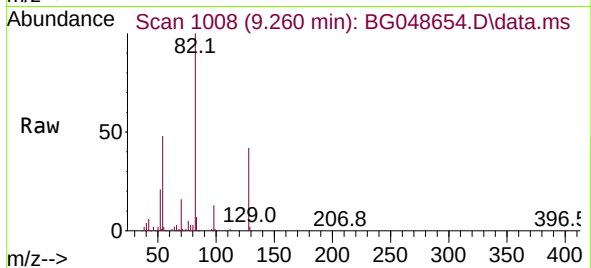




#23
Nitrobenzene-d5
Concen: 83.61 ng
RT: 9.260 min Scan# 1008
Delta R.T. -0.003 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

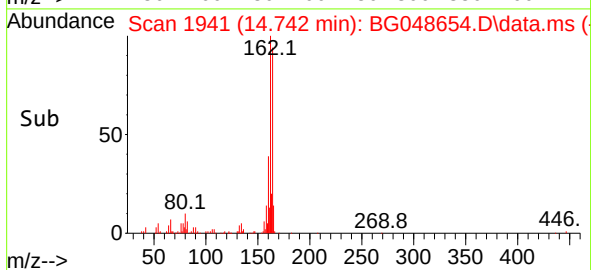
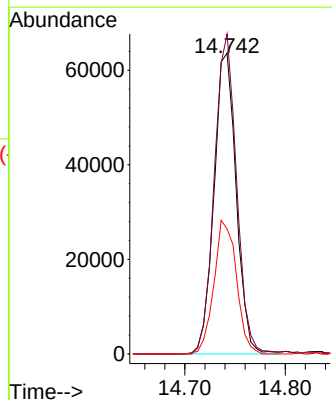
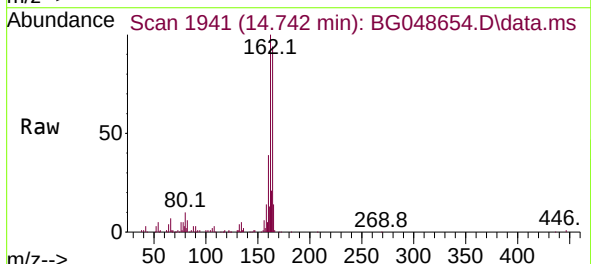
Instrument :
BNA_G
ClientSampleId :
SED-1A

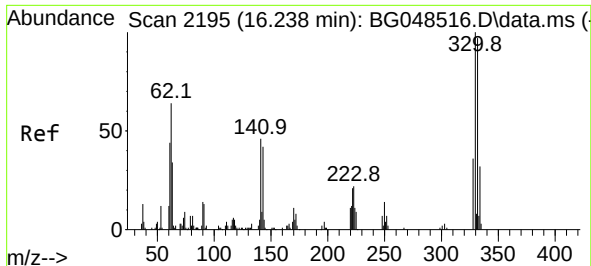
Tgt Ion: 82 Resp: 272854
Ion Ratio Lower Upper
82 100
128 42.5 26.2 39.4#
54 48.2 38.9 58.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.742 min Scan# 1941
Delta R.T. -0.009 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:164 Resp: 97879
Ion Ratio Lower Upper
164 100
162 106.4 87.0 130.6
160 41.6 38.4 57.6

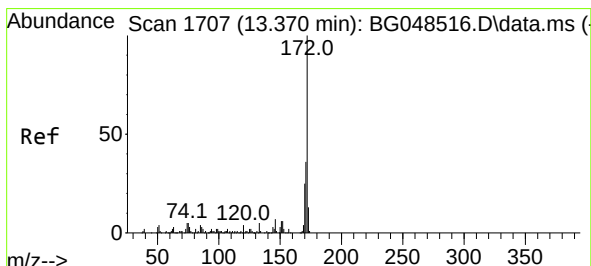
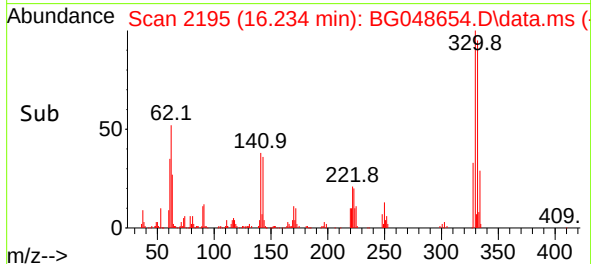
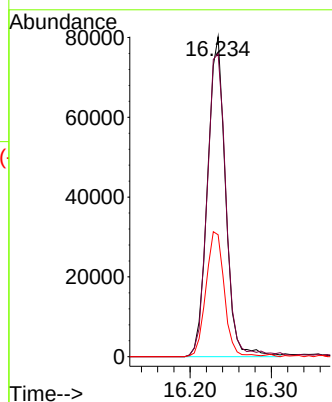
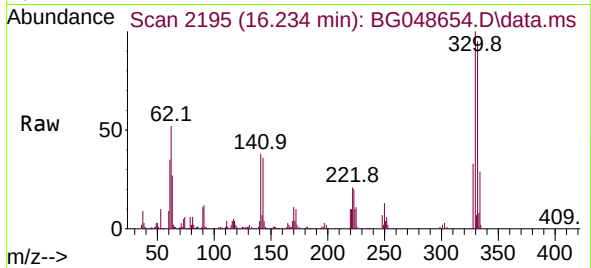




#42
2,4,6-Tribromophenol
Concen: 95.94 ng
RT: 16.234 min Scan# 2195
Delta R.T. -0.003 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

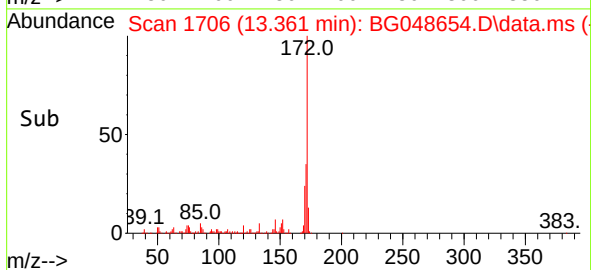
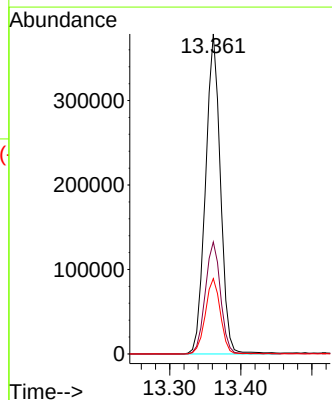
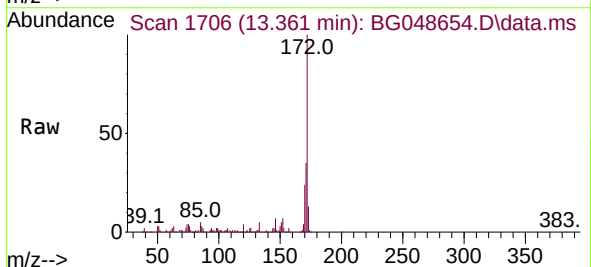
Instrument :
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ClientSampleId :
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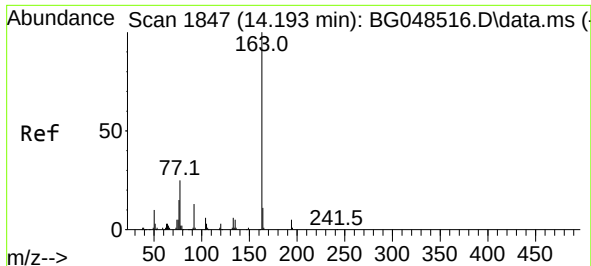
Tgt Ion:330 Resp: 123445
Ion Ratio Lower Upper
330 100
332 99.9 77.6 116.4
141 39.6 34.6 52.0



#45
2-Fluorobiphenyl
Concen: 84.31 ng
RT: 13.361 min Scan# 1706
Delta R.T. -0.009 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:172 Resp: 555172
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.6 19.8 29.6

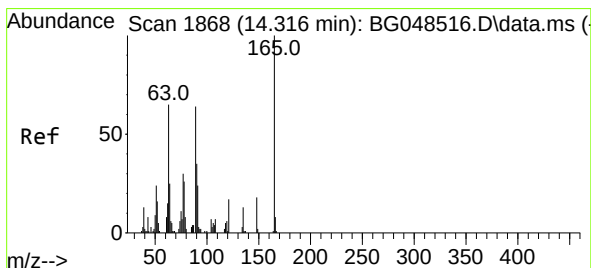
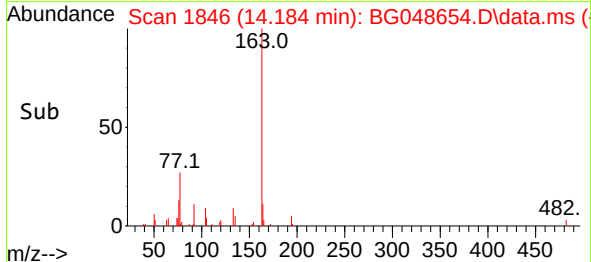
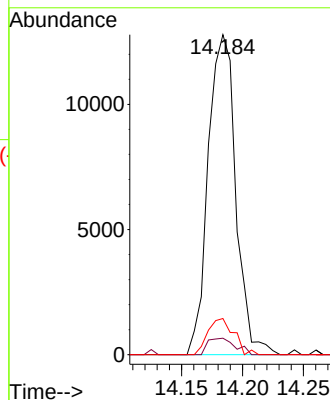
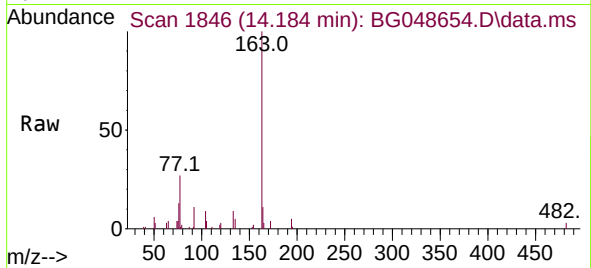




#50
Dimethylphthalate
Concen: 2.77 ng
RT: 14.184 min Scan# 1846
Delta R.T. -0.009 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

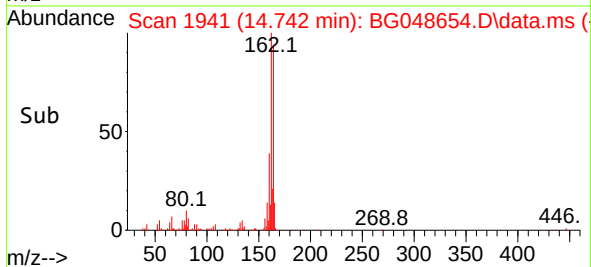
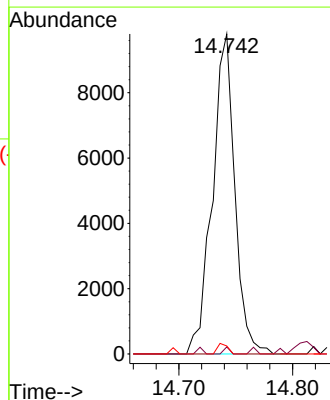
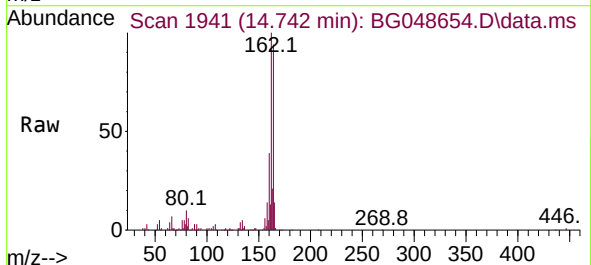
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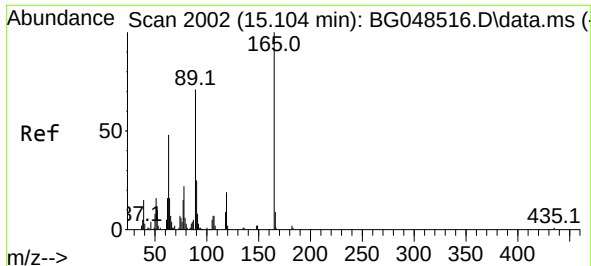
Tgt Ion:163 Resp: 20122
Ion Ratio Lower Upper
163 100
194 5.2 4.1 6.1
164 11.3 8.6 12.8



#51
2,6-Dinitrotoluene
Concen: 8.08 ng
RT: 14.742 min Scan# 1941
Delta R.T. 0.426 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:165 Resp: 13427
Ion Ratio Lower Upper
165 100
63 2.2 53.8 80.6#
89 2.5 50.8 76.2#

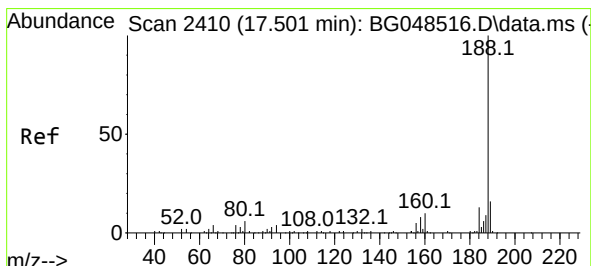
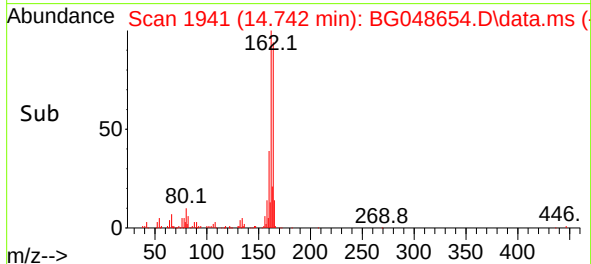
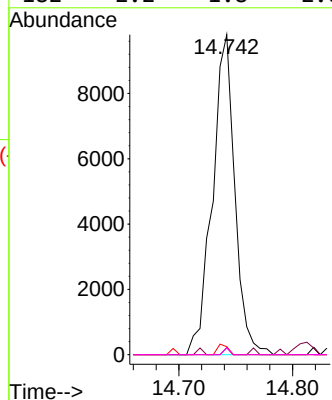
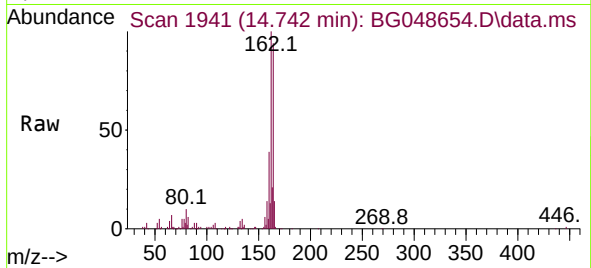




#57
2,4-Dinitrotoluene
Concen: 5.71 ng
RT: 14.742 min Scan# 1941
Delta R.T. -0.362 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

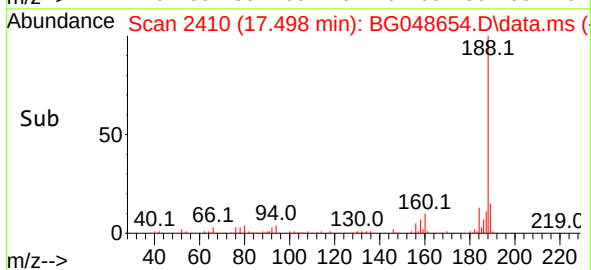
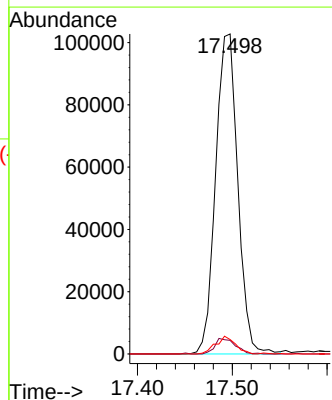
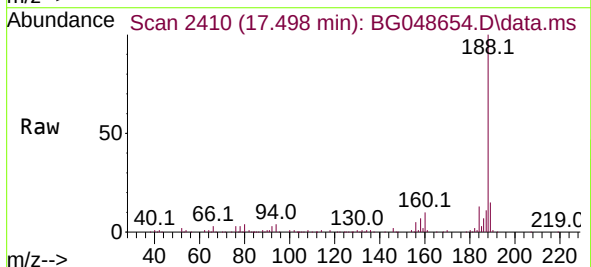
Instrument :
BNA_G
ClientSampleId :
SED-1A

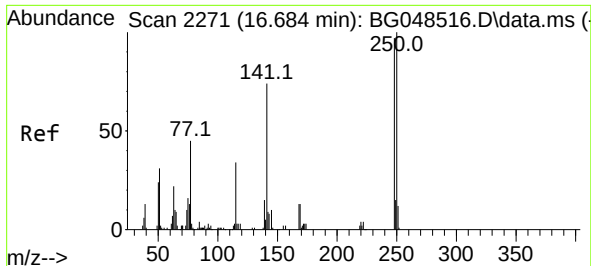
Tgt Ion:165 Resp: 13427
Ion Ratio Lower Upper
165 100
63 2.2 38.3 57.5#
89 2.5 56.5 84.7#
182 2.2 1.8 2.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.498 min Scan# 2410
Delta R.T. -0.003 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:188 Resp: 166834
Ion Ratio Lower Upper
188 100
94 4.2 3.0 4.6
80 4.5 4.5 6.7

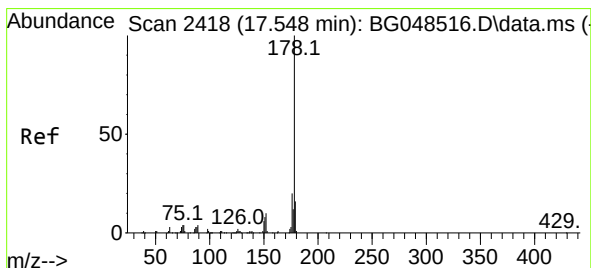
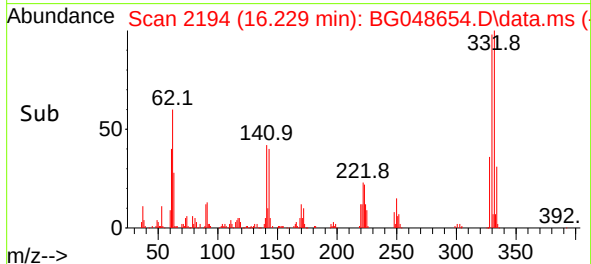
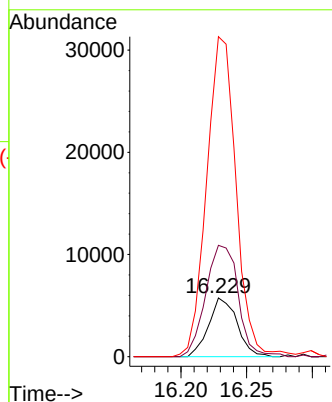
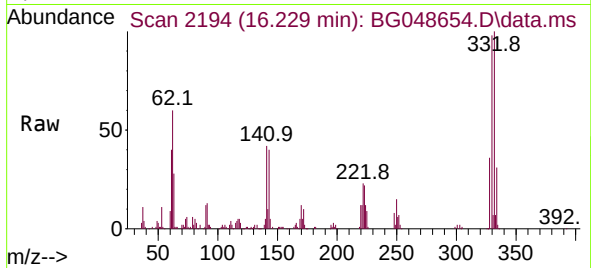




#67
4-Bromophenyl-phenylether
Concen: 4.70 ng
RT: 16.229 min Scan# 2194
Delta R.T. -0.456 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

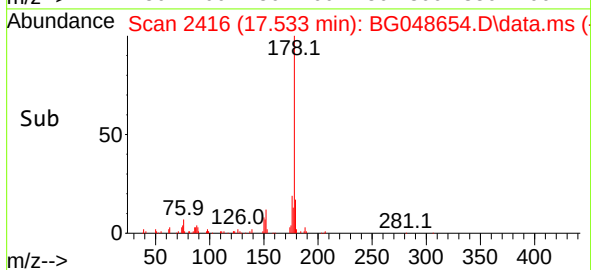
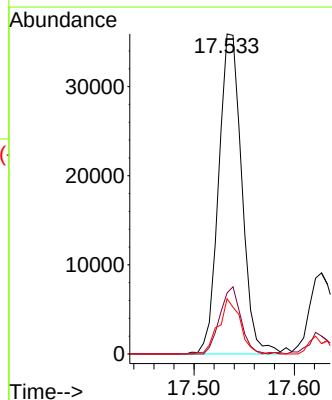
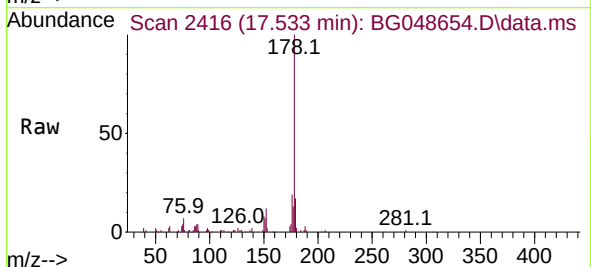
Instrument :
BNA_G
ClientSampleId :
SED-1A

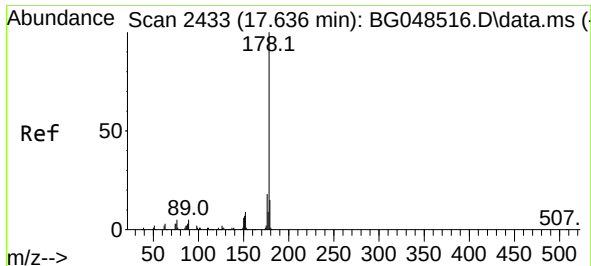
Tgt Ion:248 Resp: 8683
Ion Ratio Lower Upper
248 100
250 189.7 82.6 124.0#
141 545.2 61.0 91.6#



#71
Phenanthrene
Concen: 6.62 ng
RT: 17.533 min Scan# 2416
Delta R.T. -0.015 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:178 Resp: 57365
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 17.2 12.9 19.3

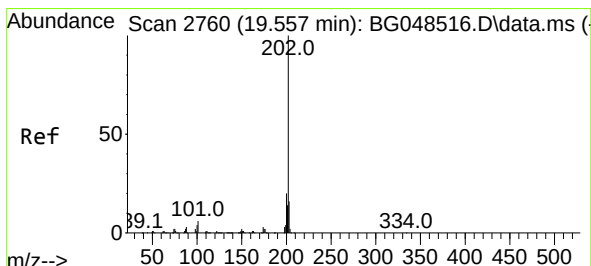
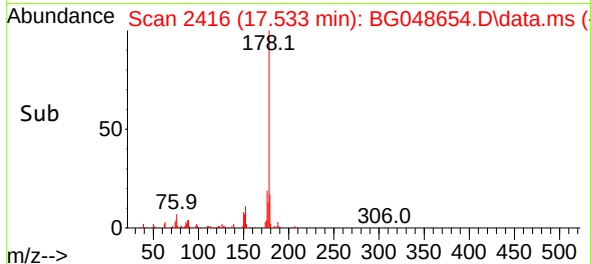
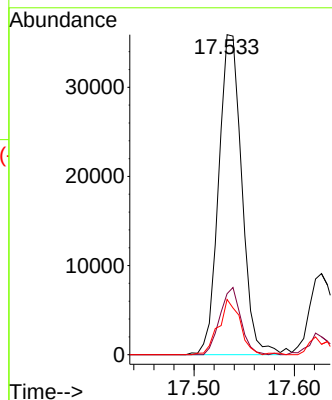
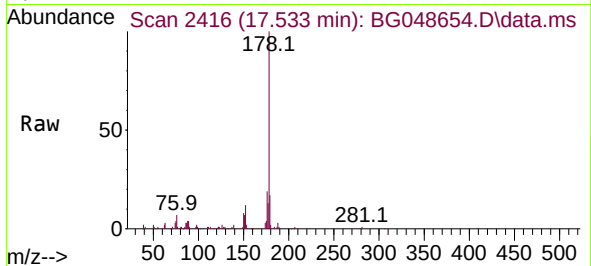




#72
 Anthracene
 Concen: 6.65 ng
 RT: 17.533 min Scan# 2416
 Delta R.T. -0.103 min
 Lab File: BG048654.D
 Acq: 9 Apr 2021 21:04

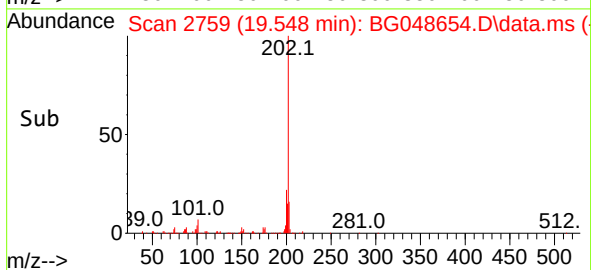
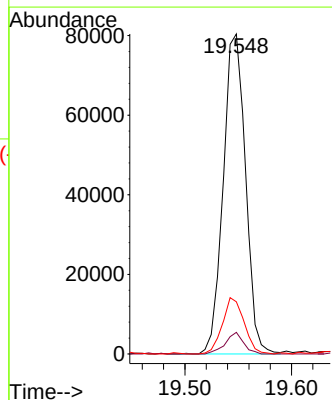
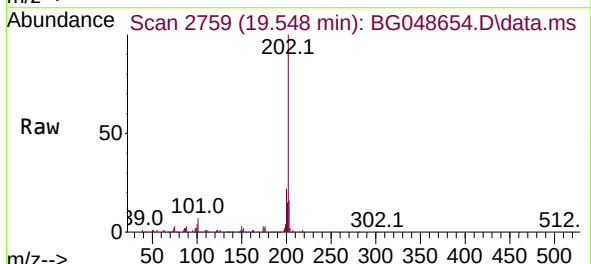
Instrument :
 BNA_G
 ClientSampleId :
 SED-1A

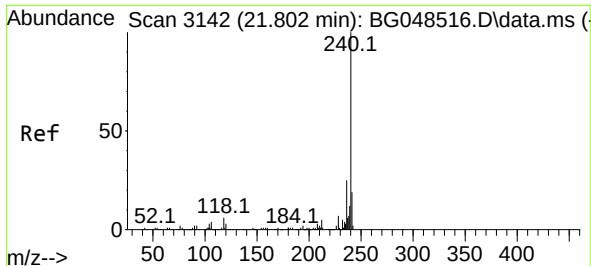
Tgt Ion:178 Resp: 57365
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.1 21.1
 179 17.2 11.9 17.9



#75
 Fluoranthene
 Concen: 10.88 ng
 RT: 19.548 min Scan# 2759
 Delta R.T. -0.009 min
 Lab File: BG048654.D
 Acq: 9 Apr 2021 21:04

Tgt Ion:202 Resp: 116816
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 25.8
 203 16.3 0.0 36.4

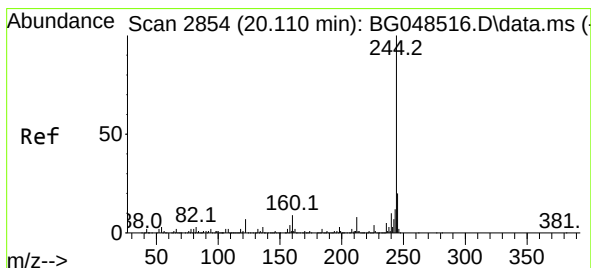
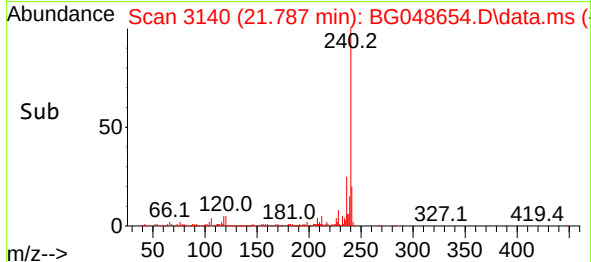
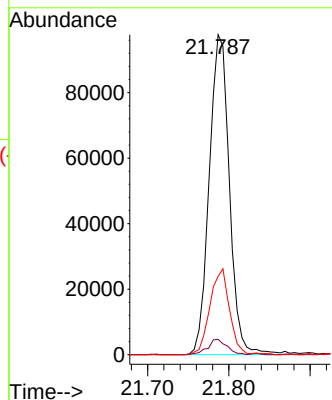
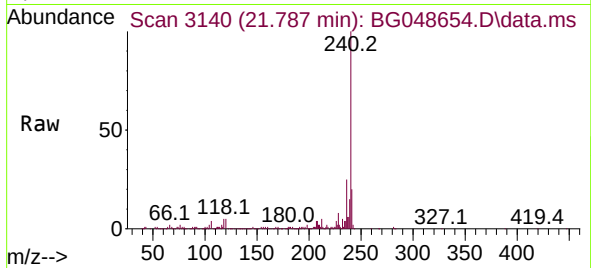




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.787 min Scan# 3140
Delta R.T. -0.015 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

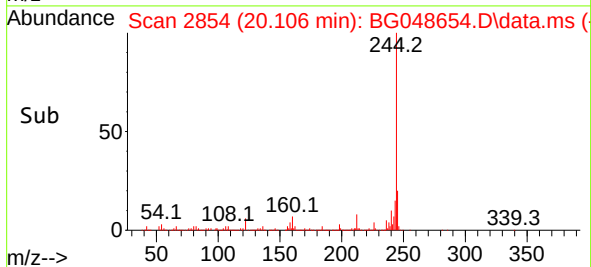
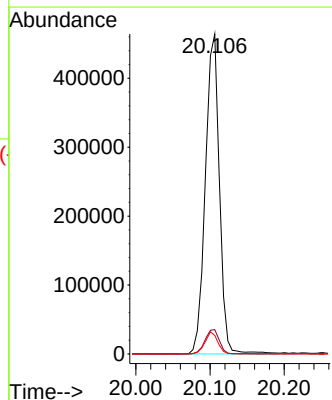
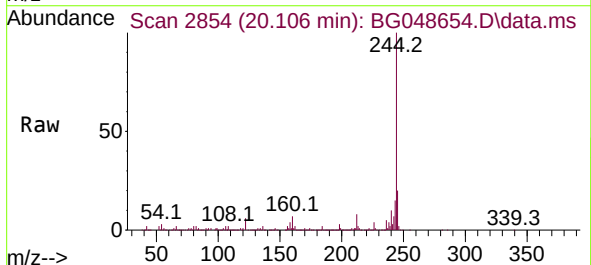
Instrument :
BNA_G
ClientSampleId :
SED-1A

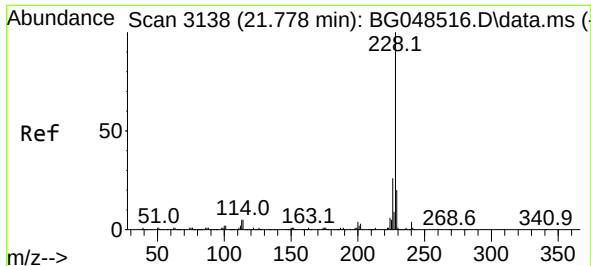
Tgt Ion:240 Resp: 168163
Ion Ratio Lower Upper
240 100
120 4.8 2.6 3.8#
236 24.5 19.8 29.6



#79
Terphenyl-d14
Concen: 66.70 ng
RT: 20.106 min Scan# 2854
Delta R.T. -0.003 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:244 Resp: 613319
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 5.8 5.8 8.6

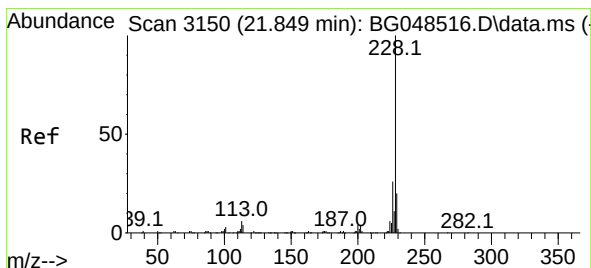
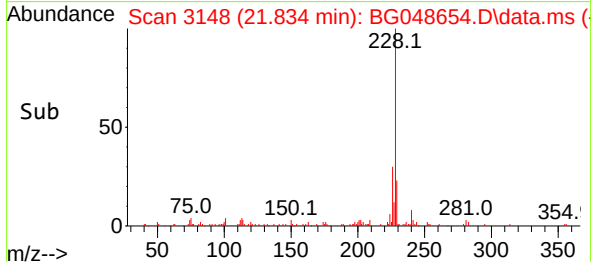
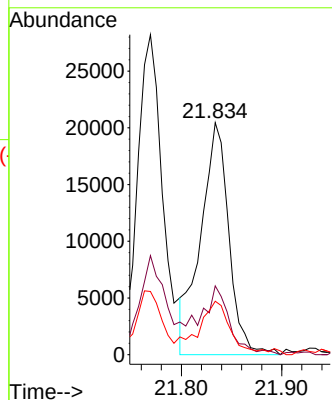
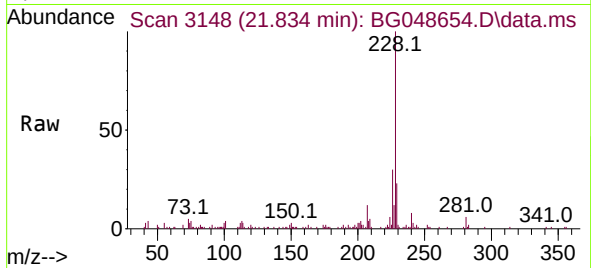




#81
Benzo(a)anthracene
Concen: 3.57 ng
RT: 21.834 min Scan# 3148
Delta R.T. 0.056 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

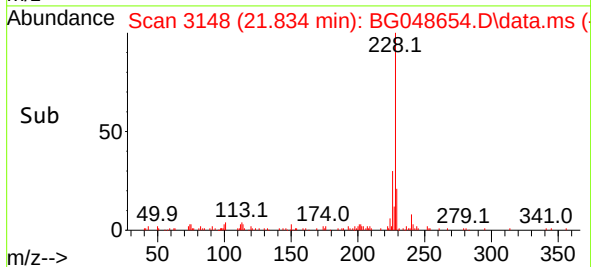
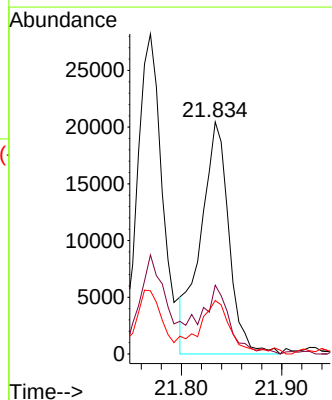
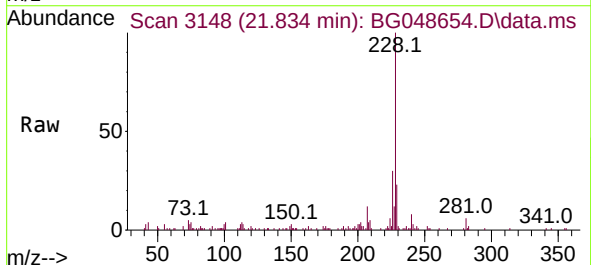
Instrument :
BNA_G
ClientSampleId :
SED-1A

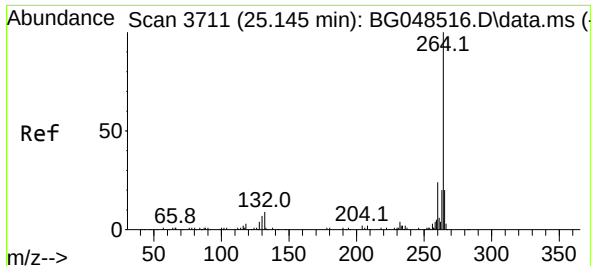
Tgt Ion:228 Resp: 40135
Ion Ratio Lower Upper
228 100
226 29.7 20.6 30.8
229 23.0 15.8 23.8



#83
Chrysene
Concen: 3.74 ng
RT: 21.834 min Scan# 3148
Delta R.T. -0.015 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:228 Resp: 40135
Ion Ratio Lower Upper
228 100
226 29.7 20.6 31.0
229 23.0 16.3 24.5



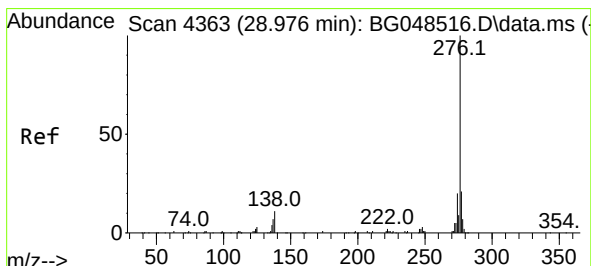
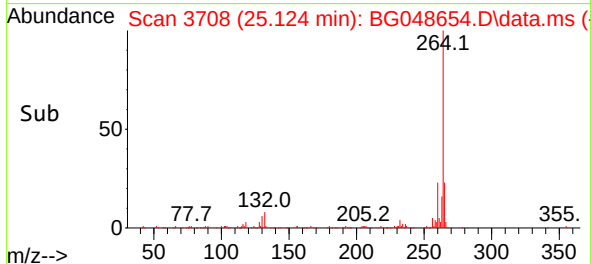
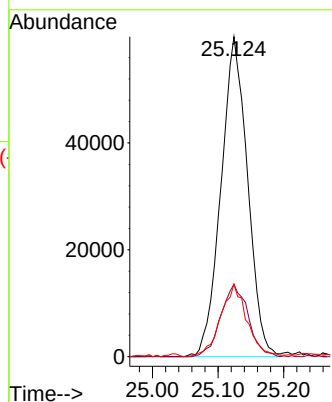
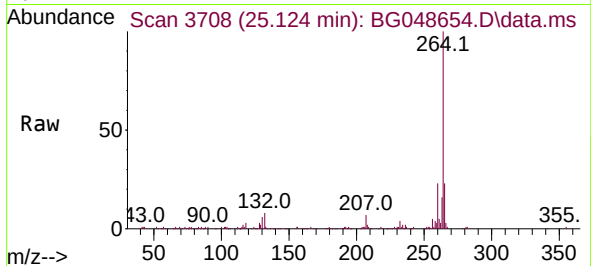


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.124 min Scan# 3708
Delta R.T. -0.021 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Instrument :
BNA_G
ClientSampled :
SED-1A

Tgt Ion:264 Resp: 168464

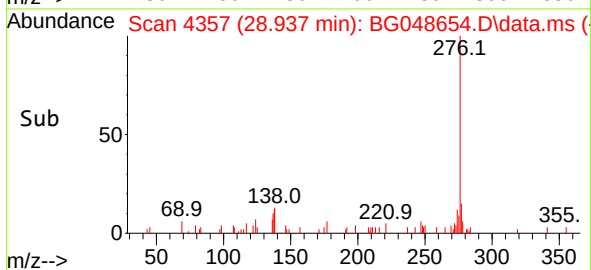
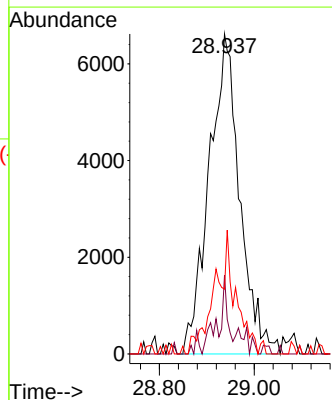
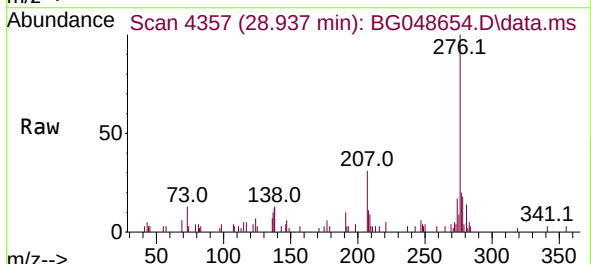
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.1	28.7
265	22.6	16.1	24.1

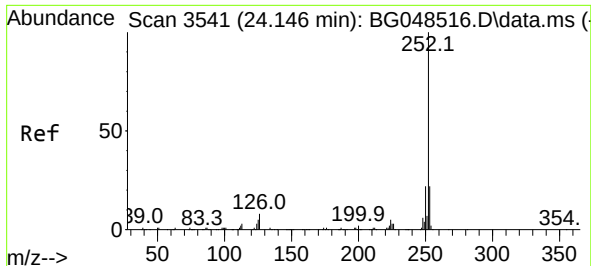


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.52 ng
RT: 28.937 min Scan# 4357
Delta R.T. -0.039 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

Tgt Ion:276 Resp: 29713

Ion	Ratio	Lower	Upper
276	100		
138	4.2	7.8	11.8#
277	12.5	0.0	0.0#

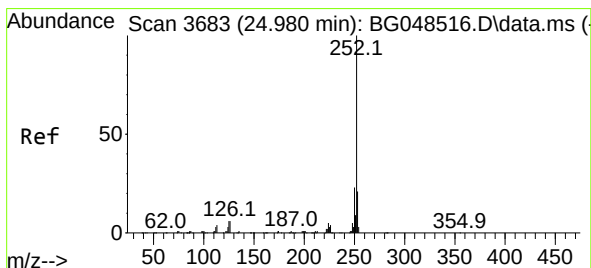
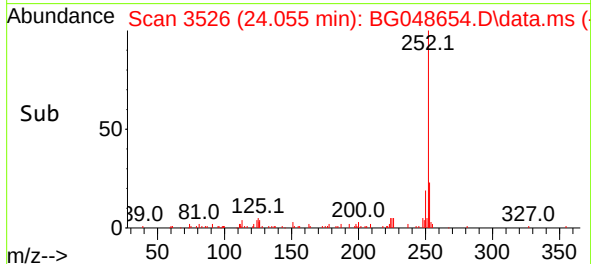
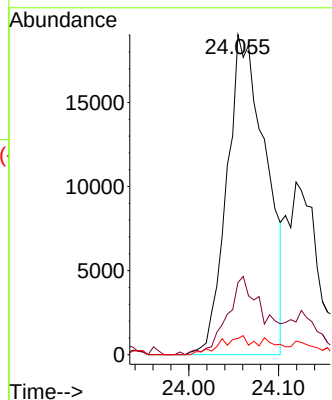
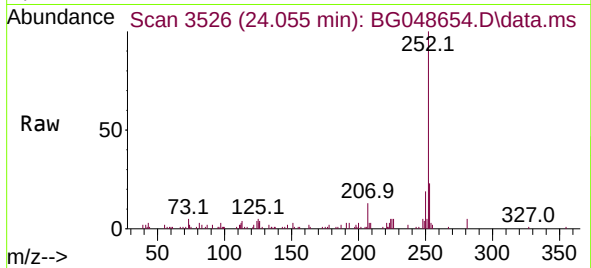




#89
Benzo(k)fluoranthene
Concen: 5.47 ng
RT: 24.055 min Scan# 3526
Delta R.T. -0.091 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

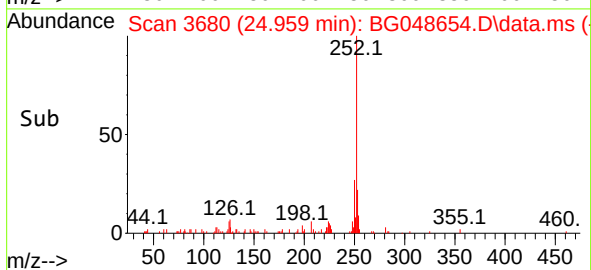
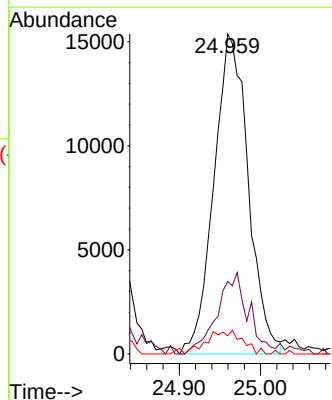
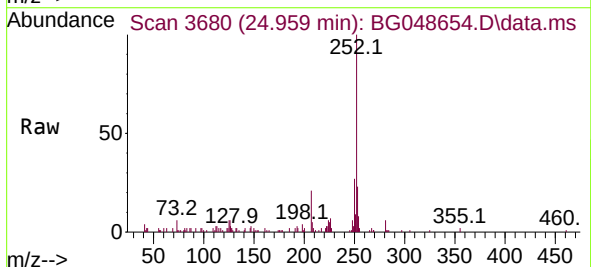
Instrument :
BNA_G
ClientSampleId :
SED-1A

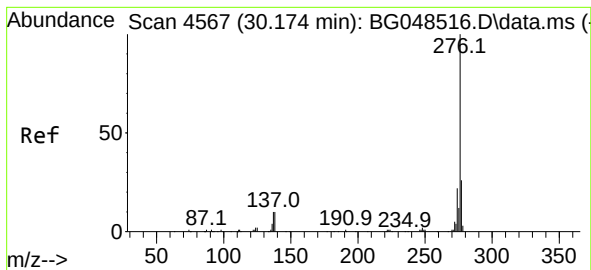
Tgt Ion:252 Resp: 57534
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 5.0 3.9 5.9



#90
Benzo(a)pyrene
Concen: 4.47 ng
RT: 24.959 min Scan# 3680
Delta R.T. -0.021 min
Lab File: BG048654.D
Acq: 9 Apr 2021 21:04

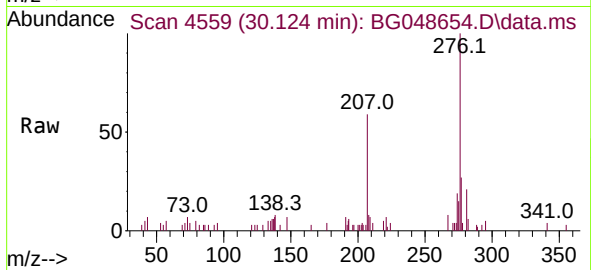
Tgt Ion:252 Resp: 45065
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 5.7 4.4 6.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.98 ng
 RT: 30.124 min Scan# 4559
 Delta R.T. -0.050 min
 Lab File: BG048654.D
 Acq: 9 Apr 2021 21:04

Instrument :
 BNA_G
 ClientSampleId :
 SED-1A



Tgt Ion:276 Resp: 29413
 Ion Ratio Lower Upper
 276 100
 277 27.1 20.4 30.6
 138 14.9 8.1 12.1#

