

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030521\
 Data File : BG048352.D
 Acq On : 6 Mar 2021 00:30
 Operator : CG/JU
 Sample : M1567-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-030421

Quant Time: Mar 06 02:05:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG021021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 05 16:23:55 2021
 Response via : Initial Calibration

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

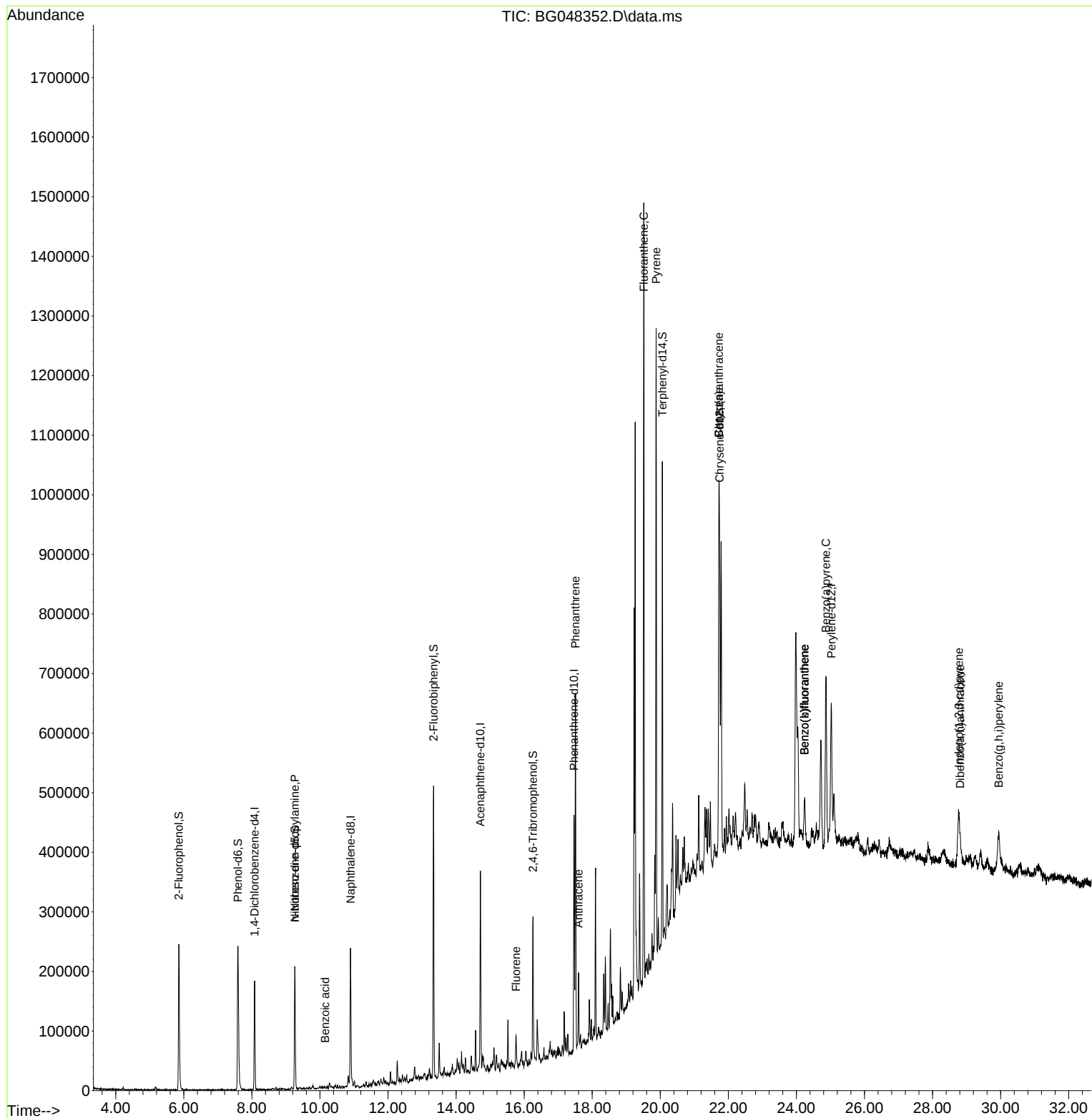
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.080	152	45300	20.00	ng	0.00
21) Naphthalene-d8	10.900	136	175316	20.00	ng	# 0.01
39) Acenaphthene-d10	14.713	164	108633	20.00	ng	0.00
64) Phenanthrene-d10	17.463	188	239390	20.00	ng	# 0.00
76) Chrysene-d12	21.740	240	250681	20.00	ng	# 0.01
86) Perylene-d12	25.025	264	257157	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.853	112	109030	40.97	ng	0.20
7) Phenol-d6	7.586	99	154723	38.27	ng	0.30
23) Nitrobenzene-d5	9.261	82	121598	29.34	ng	0.01
42) 2,4,6-Tribromophenol	16.259	330	48769	28.07	ng	0.05
45) 2-Fluorobiphenyl	13.339	172	240700	31.06	ng	0.01
79) Terphenyl-d14	20.060	244	341419	24.89	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.261	70	19848	6.36	ng	# 73
32) Benzoic acid	10.154	122	73	4.17	ng	88
58) Fluorene	15.765	166	21568	2.51	ng	93
71) Phenanthrene	17.510	178	363275	27.94	ng	95
72) Anthracene	17.598	178	78186	6.06	ng	93
75) Fluoranthene	19.514	202	837861	49.51	ng	95
78) Pyrene	19.878	202	669563	38.24	ng	99
81) Benzo(a)anthracene	21.723	228	412484	23.59	ng	96
83) Chrysene	21.723	228	412484	24.69	ng	94
87) Indeno(1,2,3-cd)pyrene	28.773	276	181615	9.32	ng	# 83
88) Benzo(b)fluoranthene	24.238	252	71683	4.03	ng	94
89) Benzo(k)fluoranthene	24.238	252	71683	4.23	ng	93
90) Benzo(a)pyrene	24.866	252	335581	20.35	ng	# 95
91) Dibenzo(a,h)anthracene	28.809	278	51110	3.07	ng	# 93
92) Benzo(g,h,i)perylene	29.948	276	157506	9.75	ng	# 90

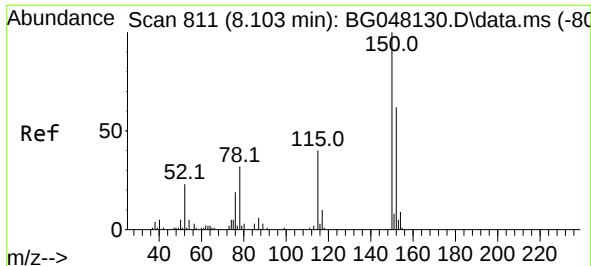
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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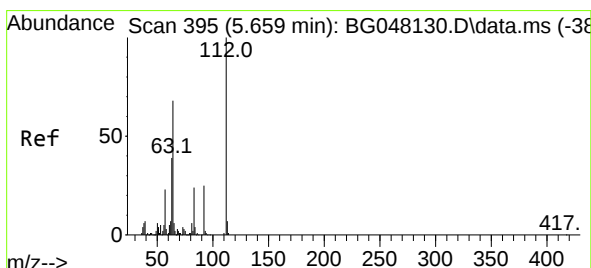
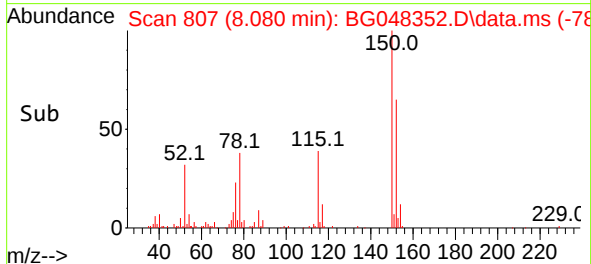
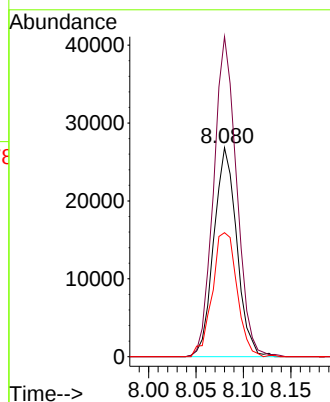
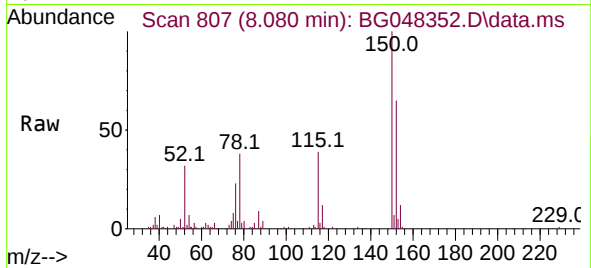




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.080 min Scan# 807
Delta R.T. 0.006 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

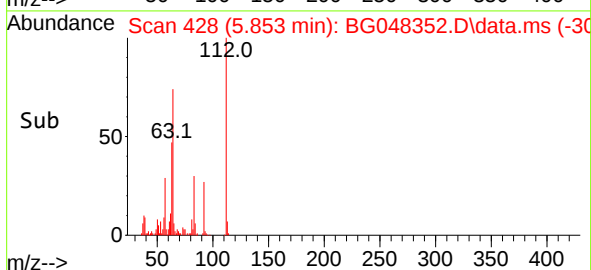
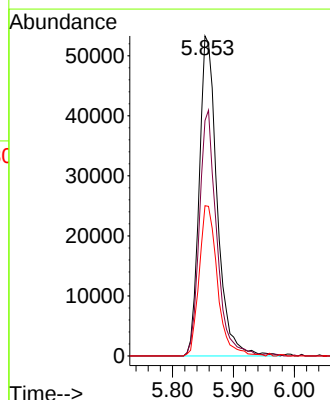
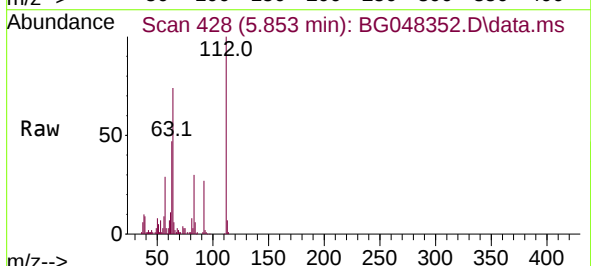
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

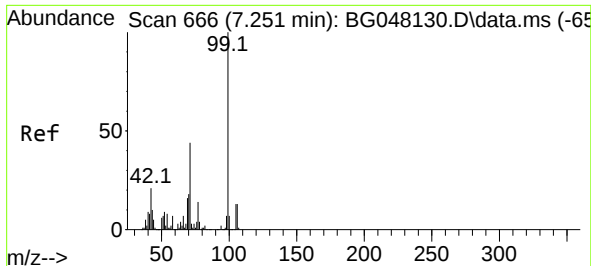
Tgt Ion:152 Resp: 45300
Ion Ratio Lower Upper
152 100
150 153.2 125.0 187.6
115 59.4 41.8 62.6



#5
2-Fluorophenol
Concen: 40.97 ng
RT: 5.853 min Scan# 428
Delta R.T. 0.200 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:112 Resp: 109030
Ion Ratio Lower Upper
112 100
64 73.6 46.7 70.1#
63 47.0 22.8 34.2#

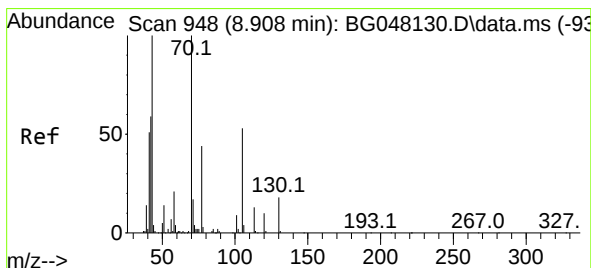
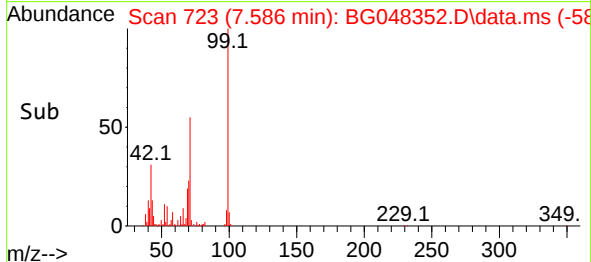
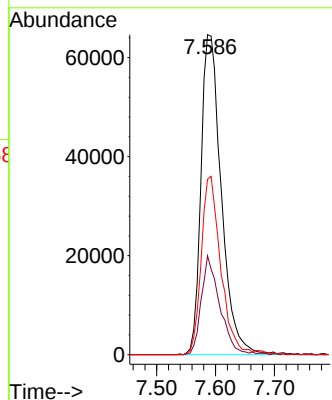
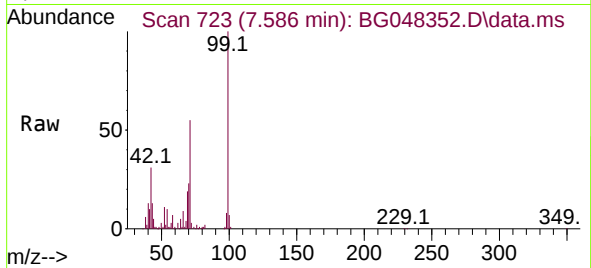




#7
Phenol-d6
Concen: 38.27 ng
RT: 7.586 min Scan# 723
Delta R.T. 0.300 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

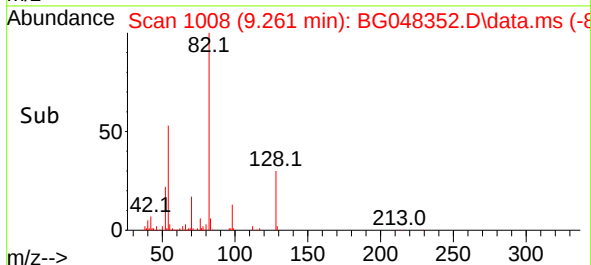
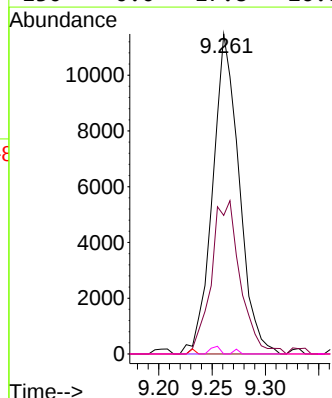
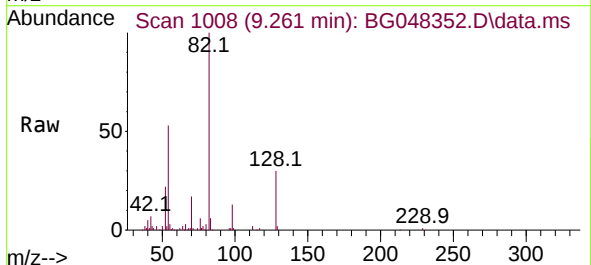
Instrument :
BNA_G
ClientSampleId :
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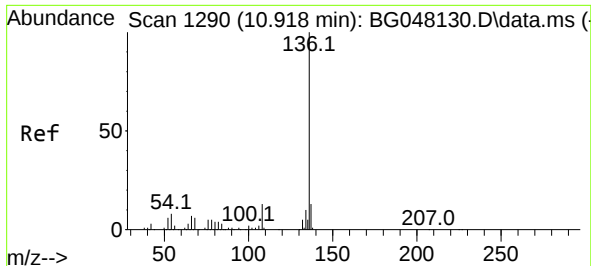
Tgt Ion: 99 Resp: 154723
Ion Ratio Lower Upper
99 100
42 30.9 12.8 19.2#
71 54.8 24.6 36.8#



#19
n-Nitroso-di-n-propylamine
Concen: 6.36 ng
RT: 9.261 min Scan# 1008
Delta R.T. 0.382 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion: 70 Resp: 19848
Ion Ratio Lower Upper
70 100
42 43.3 45.6 68.4#
101 0.0 8.4 12.6#
130 0.0 17.8 26.8#

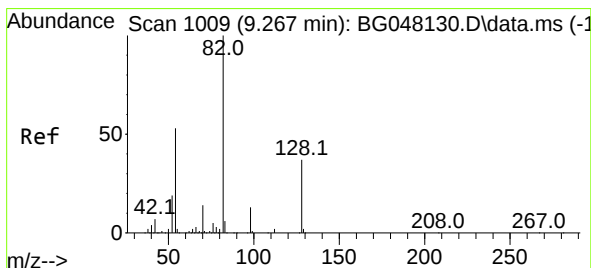
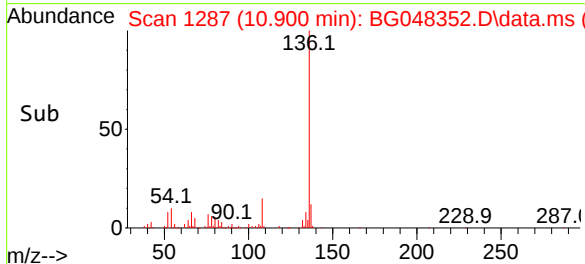
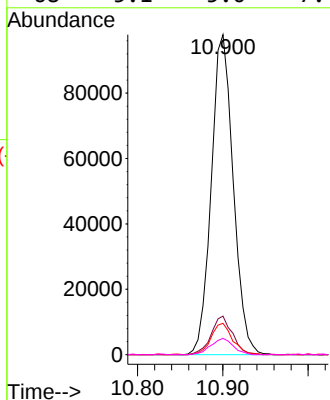
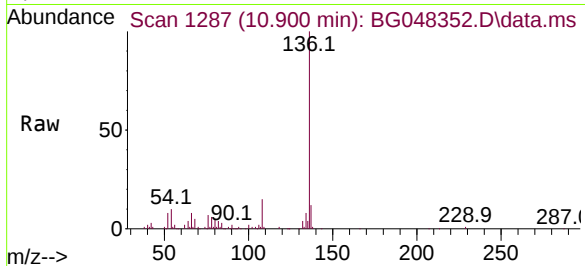




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.900 min Scan# 1287
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

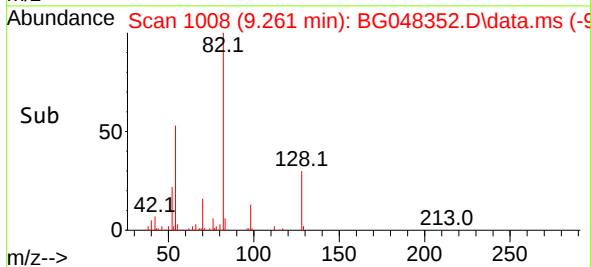
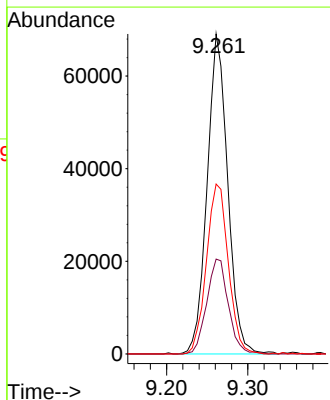
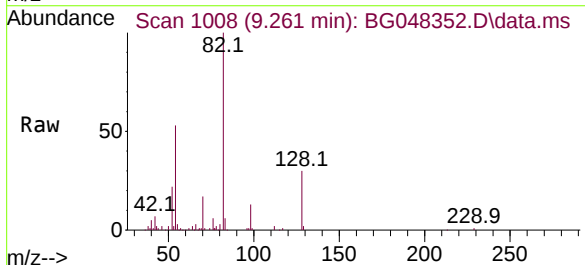
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

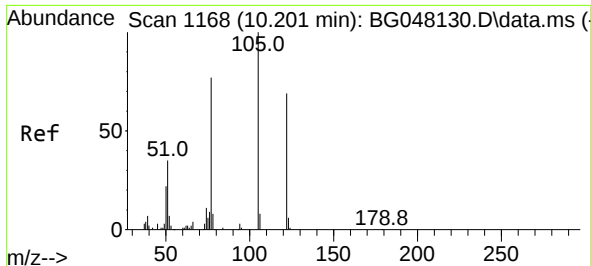
Tgt Ion:	136	Resp:	175316
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.1	13.7
54	9.8	6.2	9.4#
68	5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 29.34 ng
RT: 9.261 min Scan# 1008
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:	82	Resp:	121598
Ion Ratio	Lower	Upper	
82	100		
128	29.7	37.0	55.6#
54	53.1	39.0	58.4

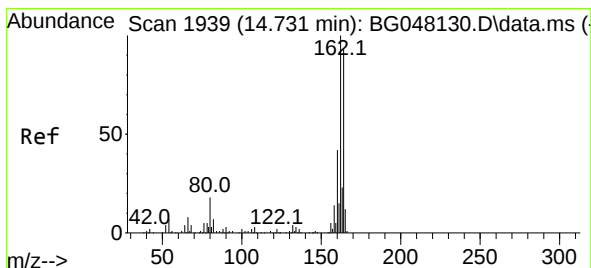
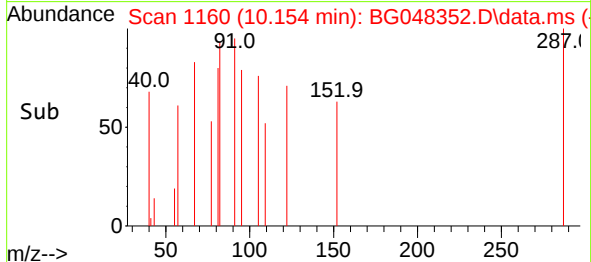
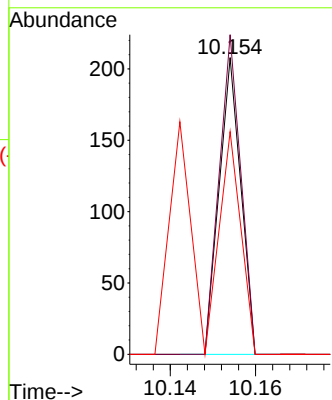
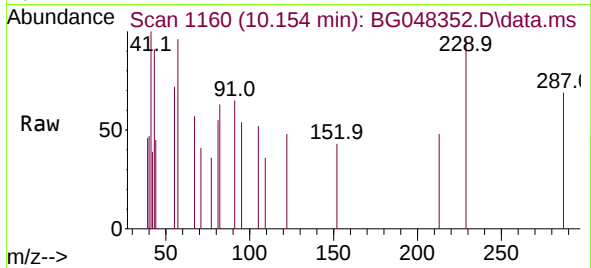




#32
Benzoic acid
Concen: 4.17 ng
RT: 10.154 min Scan# 1160
Delta R.T. -0.100 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

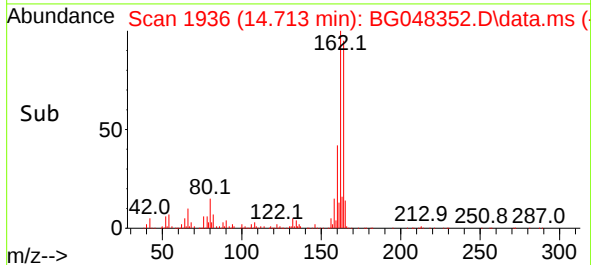
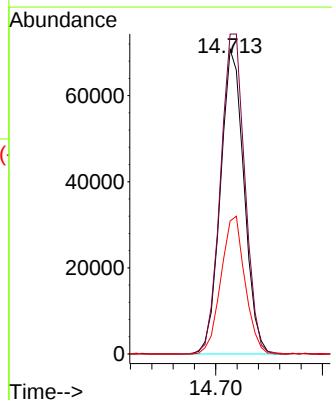
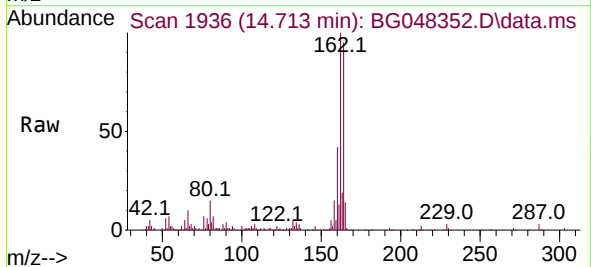
Instrument :
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ClientSampleId :
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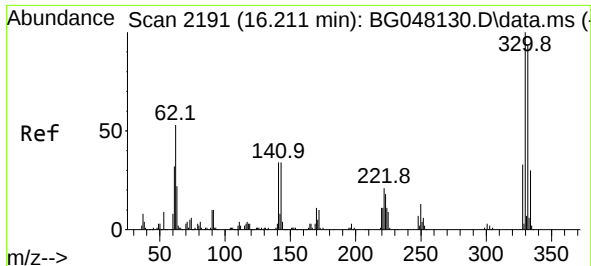
Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 107.7 103.7 143.7
77 75.0 63.0 103.0



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.713 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:164 Resp: 108633
Ion Ratio Lower Upper
164 100
162 105.0 82.3 123.5
160 43.6 35.3 52.9

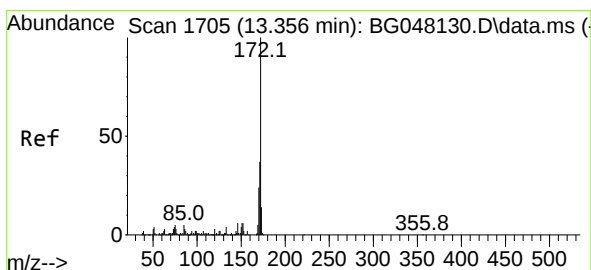
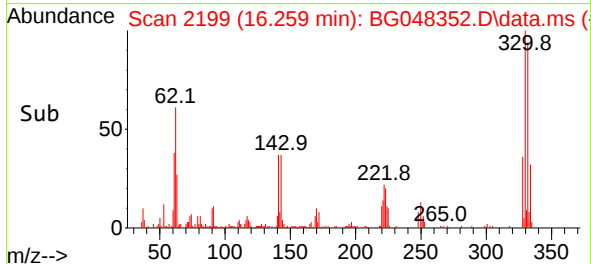
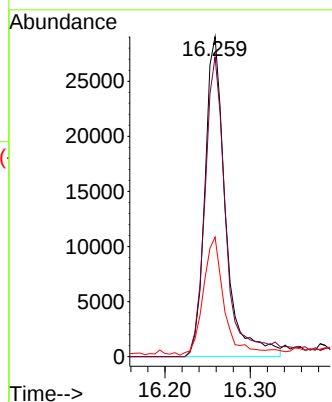
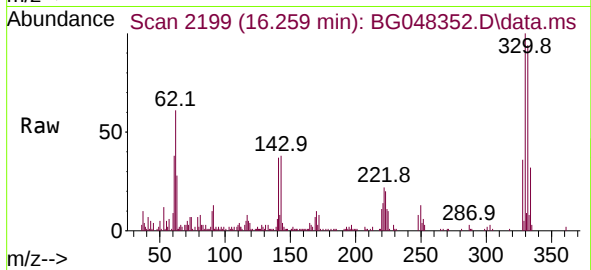




#42
2,4,6-Tribromophenol
Concen: 28.07 ng
RT: 16.259 min Scan# 2199
Delta R.T. 0.053 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

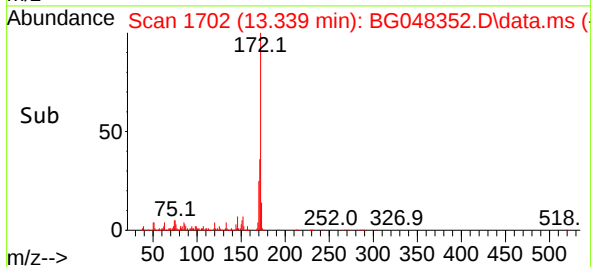
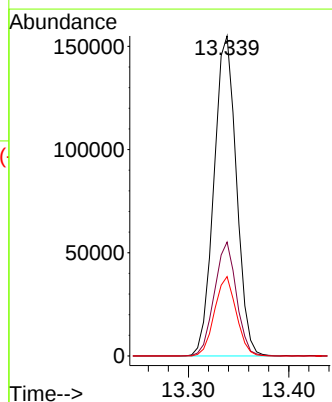
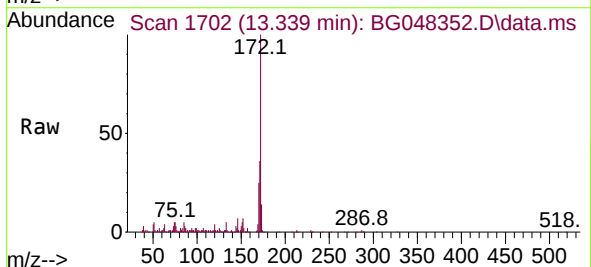
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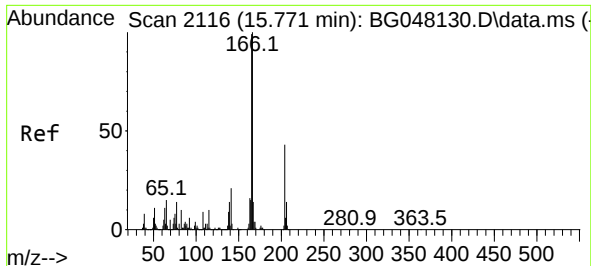
Tgt Ion:330 Resp: 48769
Ion Ratio Lower Upper
330 100
332 100.2 76.5 114.7
141 36.9 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 31.06 ng
RT: 13.339 min Scan# 1702
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:172 Resp: 240700
Ion Ratio Lower Upper
172 100
171 35.6 31.3 46.9
170 24.8 20.8 31.2

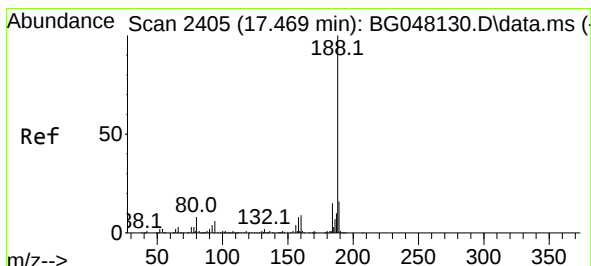
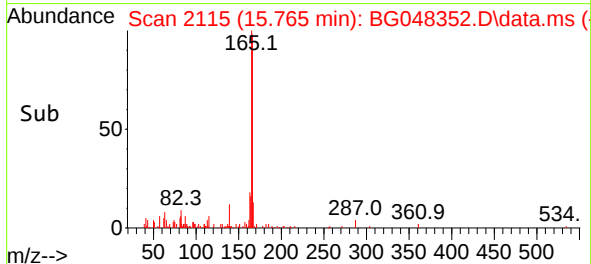
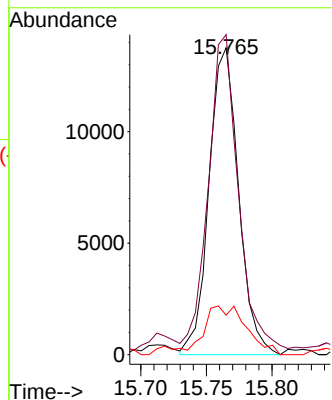
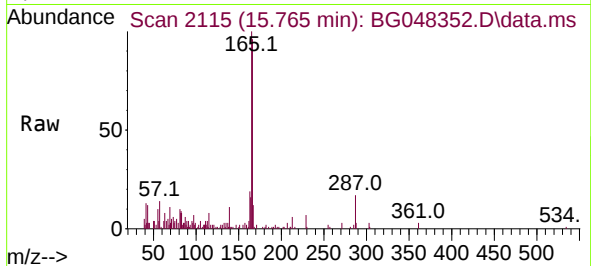




#58
Fluorene
Concen: 2.51 ng
RT: 15.765 min Scan# 2115
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

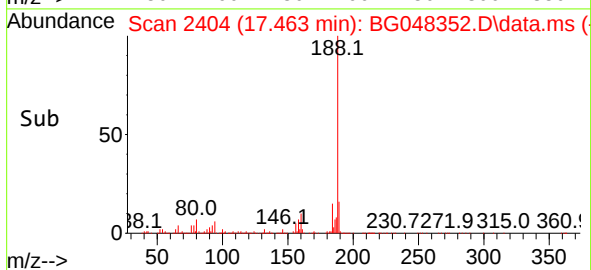
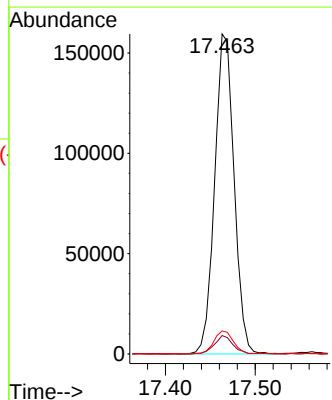
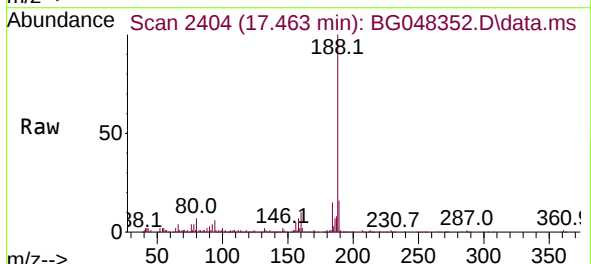
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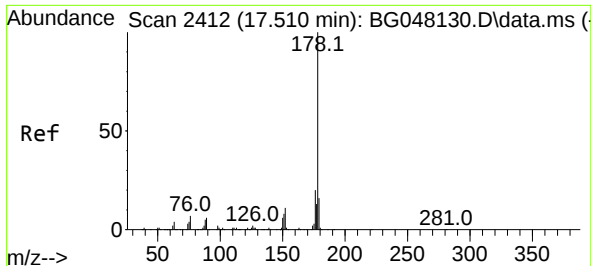
Tgt Ion:166 Resp: 21568
Ion Ratio Lower Upper
166 100
165 104.3 77.2 115.8
167 12.9 11.4 17.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.463 min Scan# 2404
Delta R.T. 0.006 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:188 Resp: 239390
Ion Ratio Lower Upper
188 100
94 5.8 6.3 9.5#
80 7.2 7.0 10.6

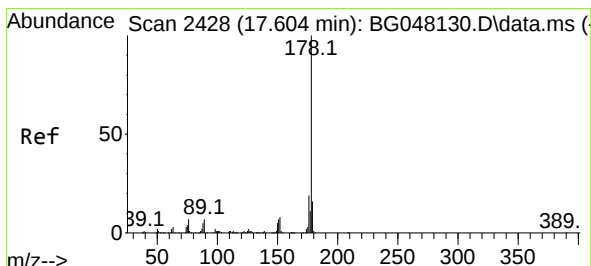
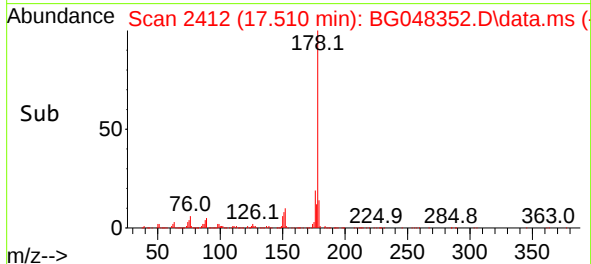
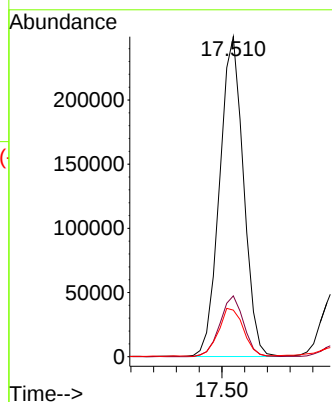
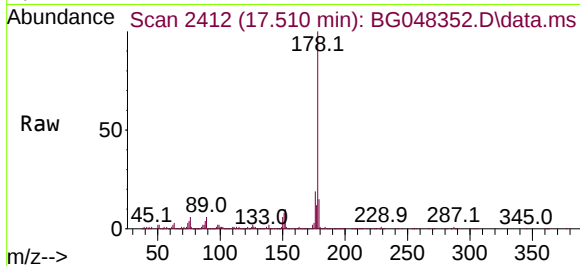




#71
Phenanthrene
Concen: 27.94 ng
RT: 17.510 min Scan# 2412
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

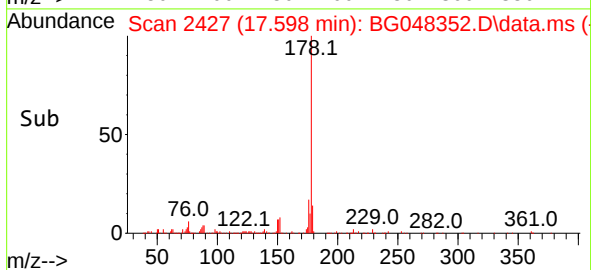
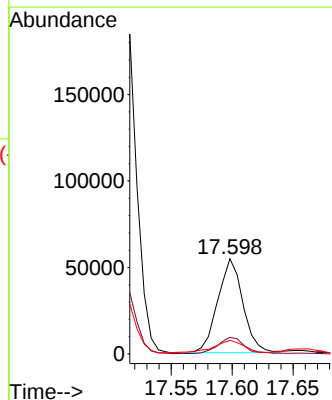
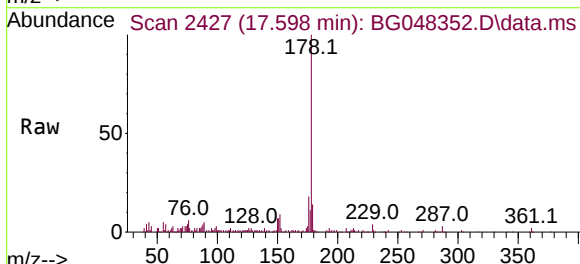
Instrument :
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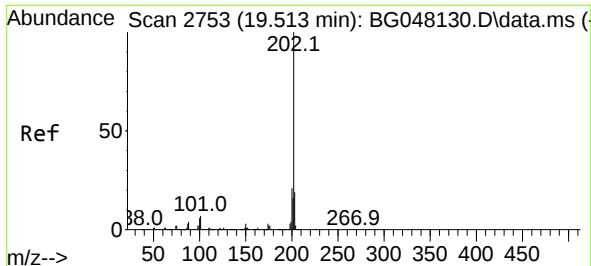
Tgt Ion:178 Resp: 363275
Ion Ratio Lower Upper
178 100
176 19.0 16.7 25.1
179 14.6 14.0 21.0



#72
Anthracene
Concen: 6.06 ng
RT: 17.598 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:178 Resp: 78186
Ion Ratio Lower Upper
178 100
176 17.5 16.4 24.6
179 14.3 13.8 20.6

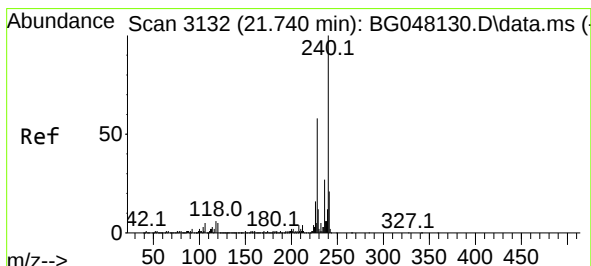
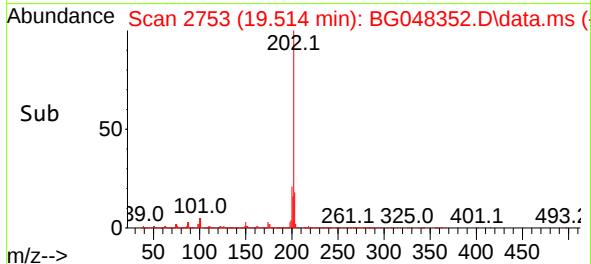
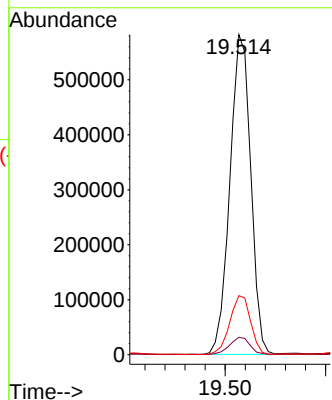
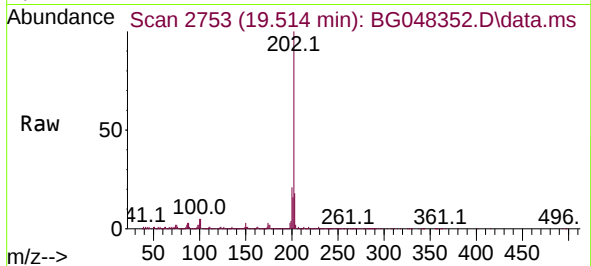




#75
Fluoranthene
Concen: 49.51 ng
RT: 19.514 min Scan# 2753
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

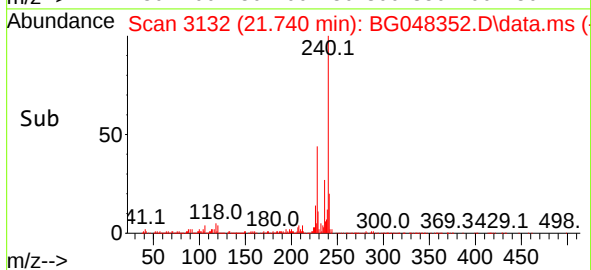
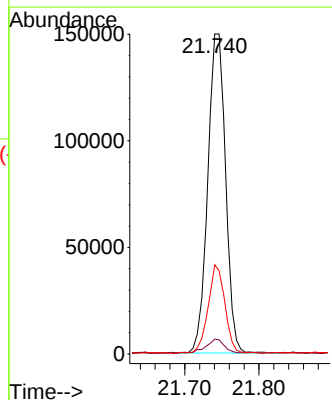
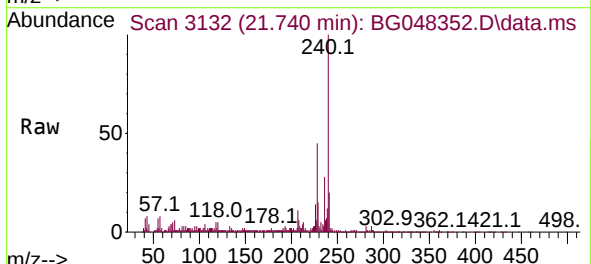
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

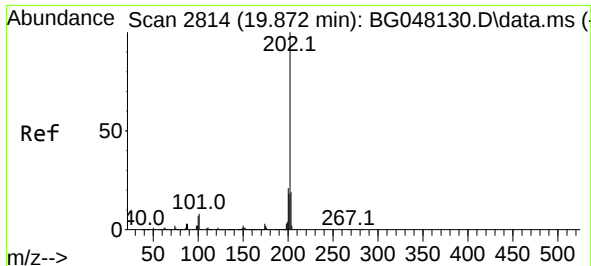
Tgt Ion:202 Resp: 837861
Ion Ratio Lower Upper
202 100
101 5.4 0.0 29.7
203 18.4 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.740 min Scan# 3132
Delta R.T. 0.012 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:240 Resp: 250681
Ion Ratio Lower Upper
240 100
120 4.7 6.2 9.4#
236 27.8 20.5 30.7

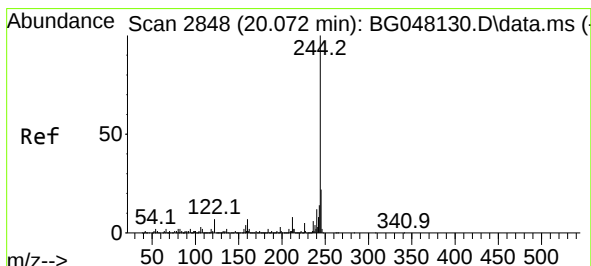
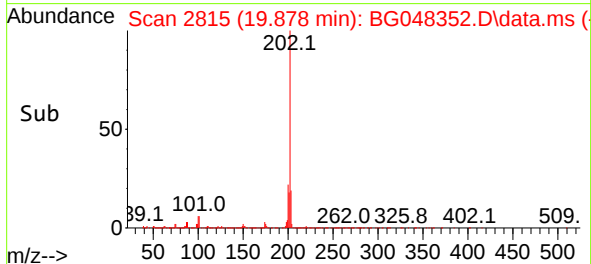
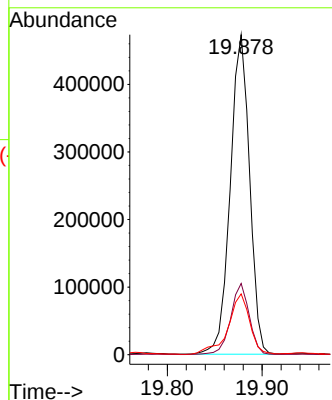
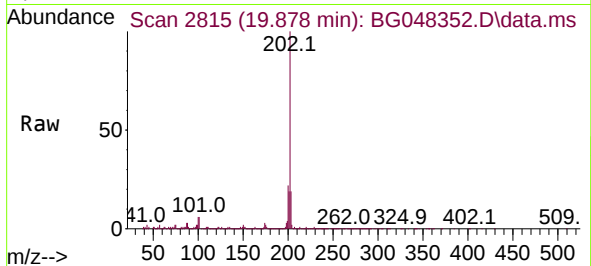




#78
Pyrene
Concen: 38.24 ng
RT: 19.878 min Scan# 2815
Delta R.T. 0.018 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

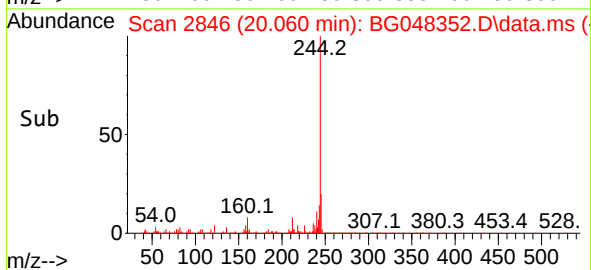
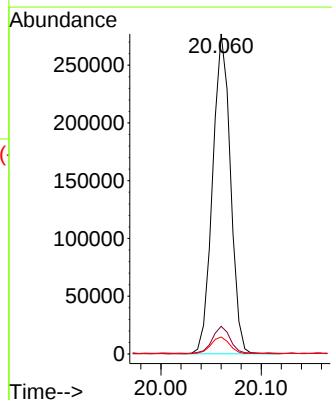
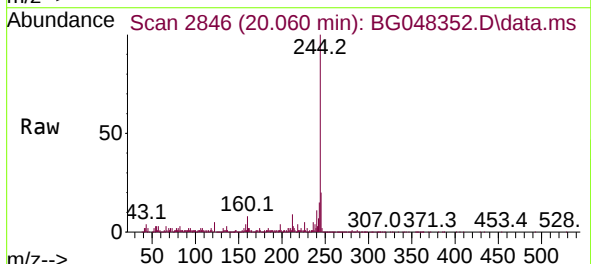
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

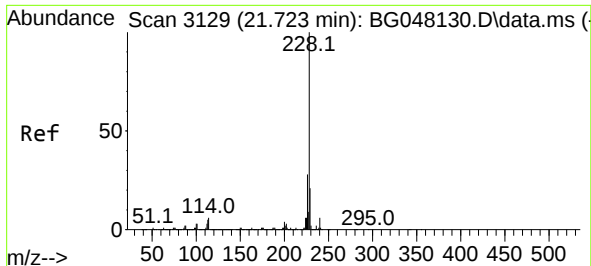
Tgt Ion:202 Resp: 669563
Ion Ratio Lower Upper
202 100
200 22.2 18.6 27.8
203 19.0 15.3 22.9



#79
Terphenyl-d14
Concen: 24.89 ng
RT: 20.060 min Scan# 2846
Delta R.T. 0.006 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:244 Resp: 341419
Ion Ratio Lower Upper
244 100
212 8.6 6.7 10.1
122 5.3 7.8 11.6#

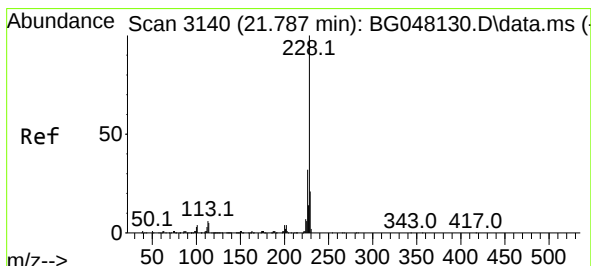
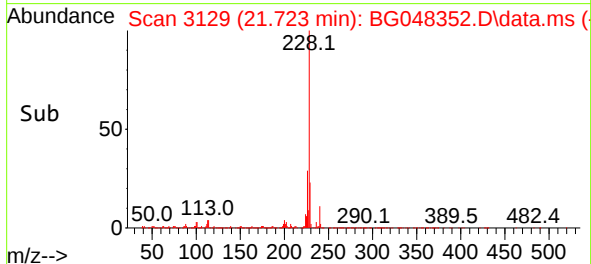
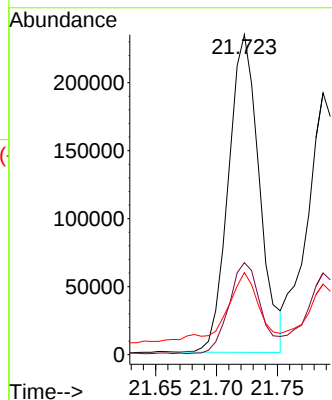
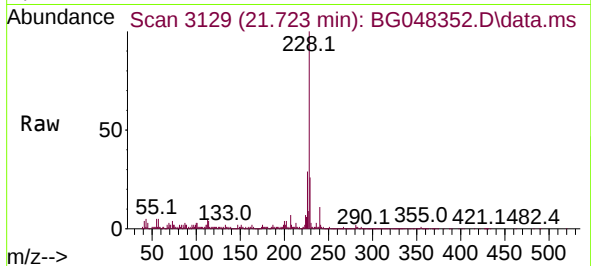




#81
Benzo(a)anthracene
Concen: 23.59 ng
RT: 21.723 min Scan# 3129
Delta R.T. 0.018 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

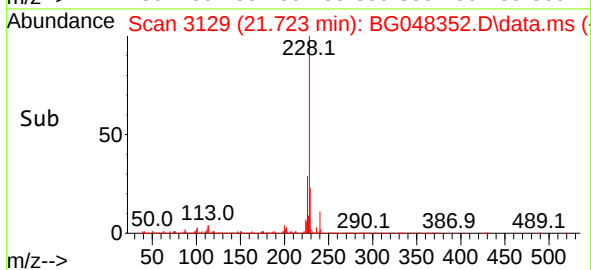
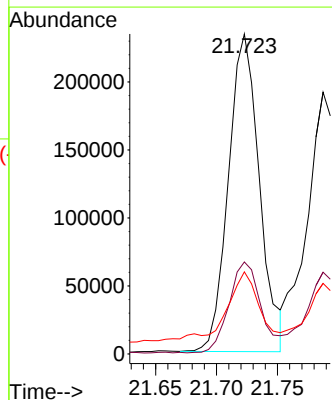
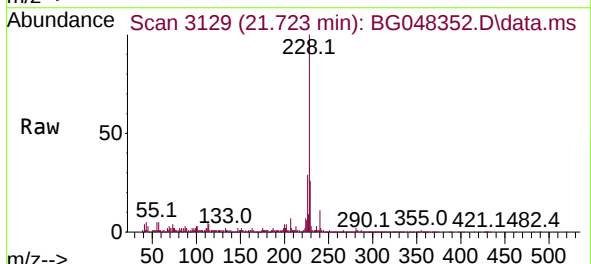
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

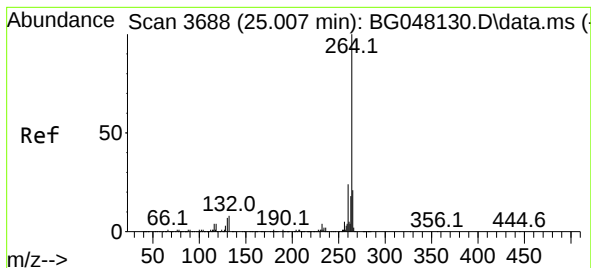
Tgt Ion:228 Resp: 412484
Ion Ratio Lower Upper
228 100
226 28.7 23.3 34.9
229 25.6 17.4 26.0



#83
Chrysene
Concen: 24.69 ng
RT: 21.723 min Scan# 3129
Delta R.T. -0.053 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:228 Resp: 412484
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.4
229 25.6 17.3 25.9

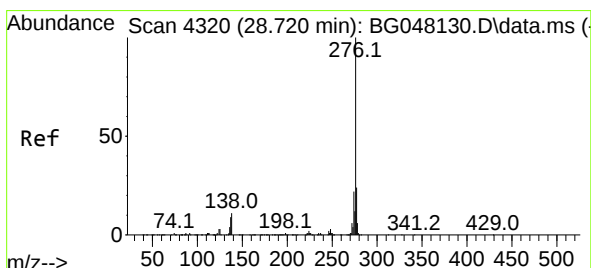
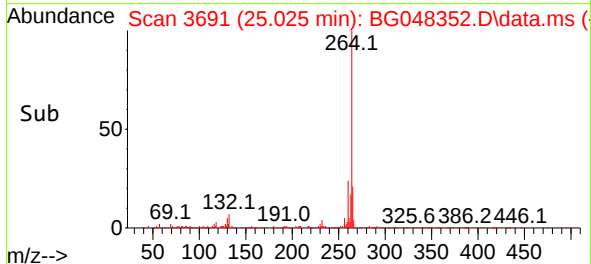
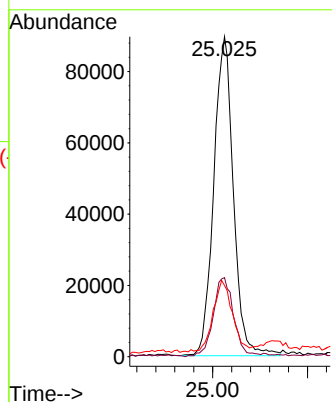
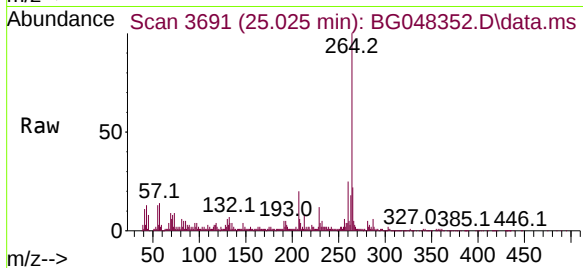




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.025 min Scan# 3691
Delta R.T. 0.035 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

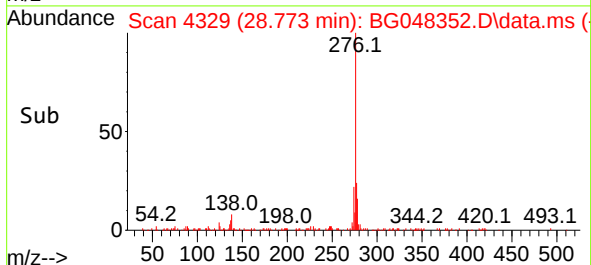
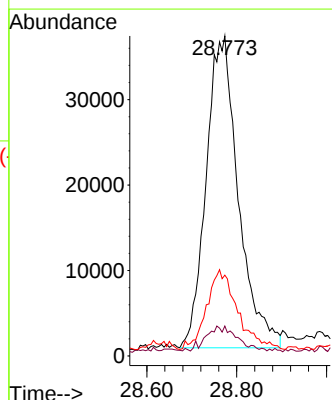
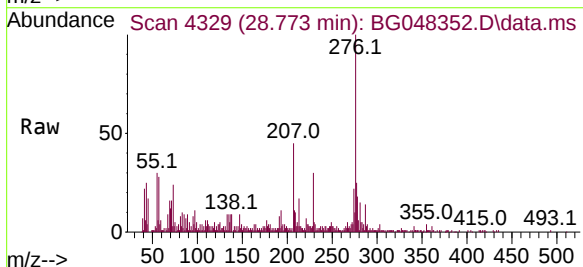
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

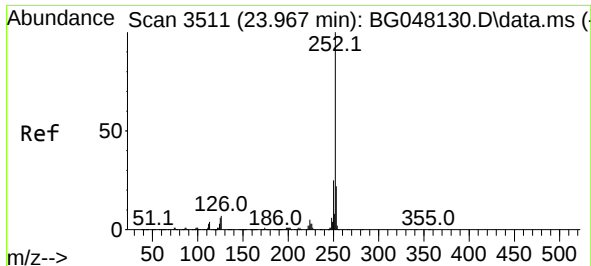
Tgt Ion:264 Resp: 257157
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 22.2 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.32 ng
RT: 28.773 min Scan# 4329
Delta R.T. 0.059 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:276 Resp: 181615
Ion Ratio Lower Upper
276 100
138 3.1 16.2 24.2#
277 24.5 20.3 30.5

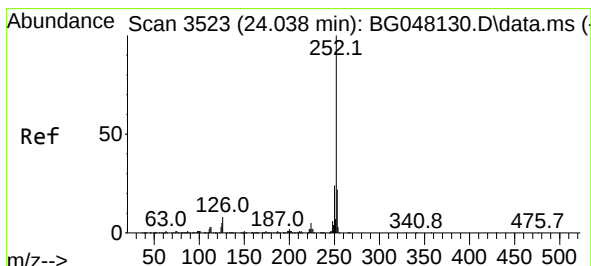
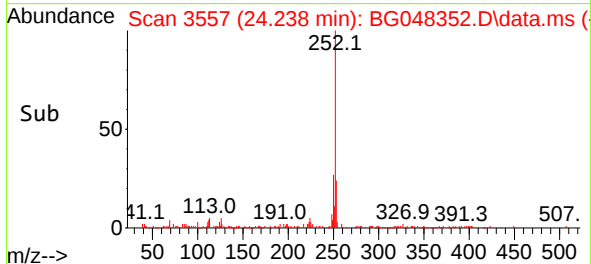
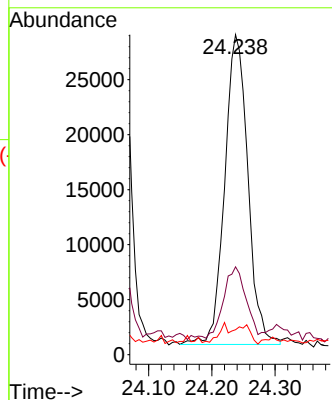
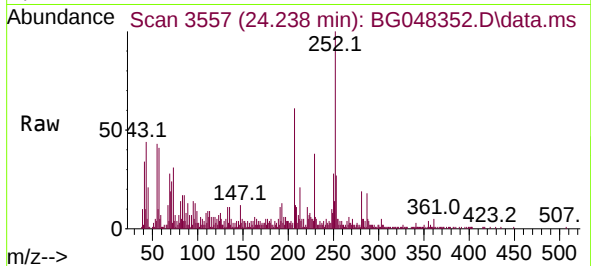




#88
Benzo(b)fluoranthene
Concen: 4.03 ng
RT: 24.238 min Scan# 3557
Delta R.T. 0.288 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

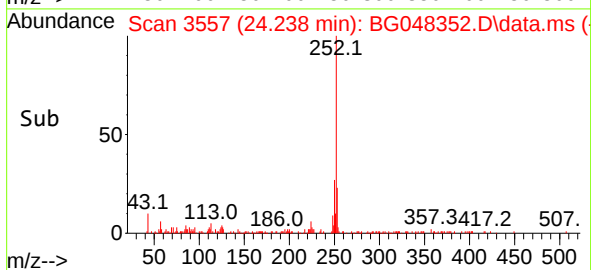
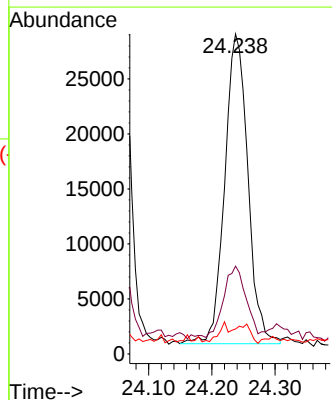
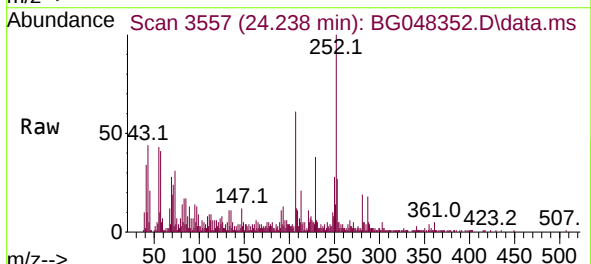
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

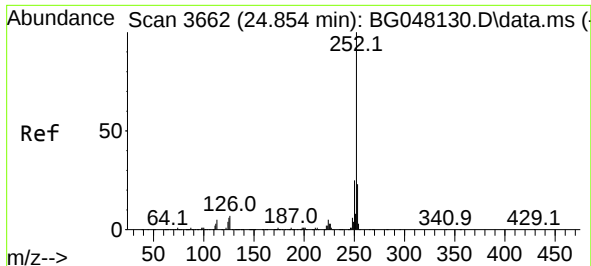
Tgt Ion:252 Resp: 71683
Ion Ratio Lower Upper
252 100
253 27.4 18.7 28.1
125 7.8 6.5 9.7



#89
Benzo(k)fluoranthene
Concen: 4.23 ng
RT: 24.238 min Scan# 3557
Delta R.T. 0.218 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Tgt Ion:252 Resp: 71683
Ion Ratio Lower Upper
252 100
253 27.4 18.6 27.8
125 7.8 6.8 10.2

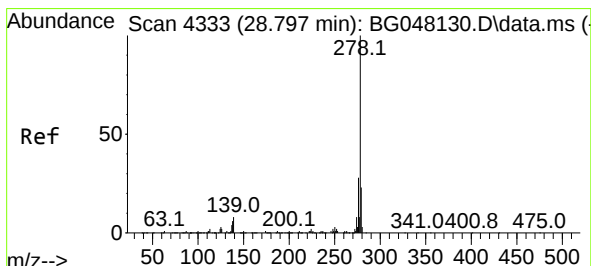
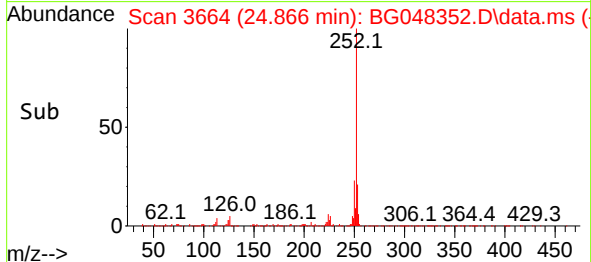
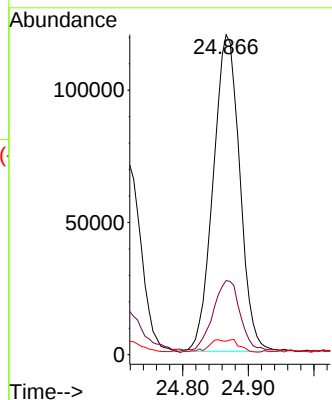
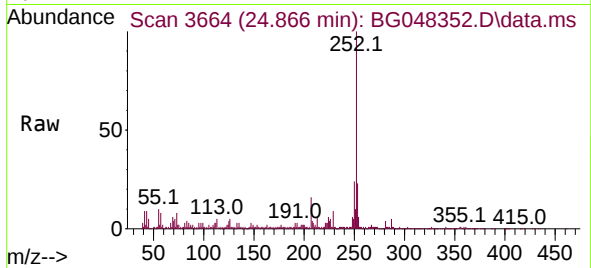




#90
Benzo(a)pyrene
Concen: 20.35 ng
RT: 24.866 min Scan# 3664
Delta R.T. 0.035 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

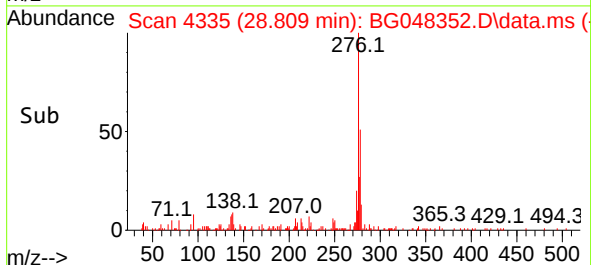
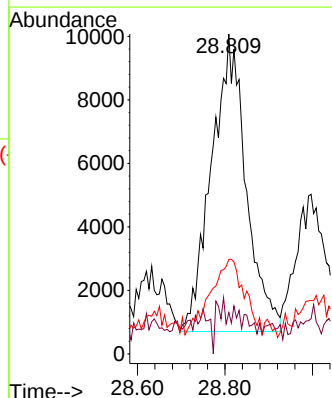
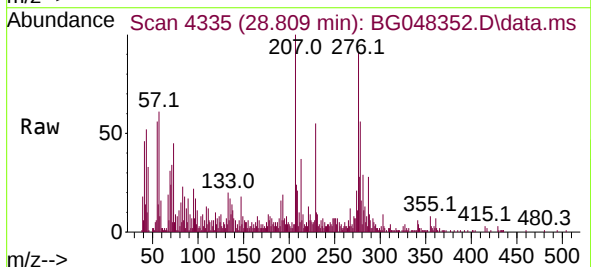
Instrument :
BNA_G
ClientSampleId :
PL-02-030421

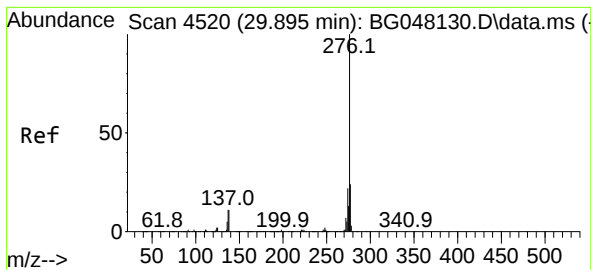
Tgt Ion:252 Resp: 335581
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 4.2 7.0 10.4#



#91
Dibenzo(a,h)anthracene
Concen: 3.07 ng
RT: 28.809 min Scan# 4335
Delta R.T. 0.035 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

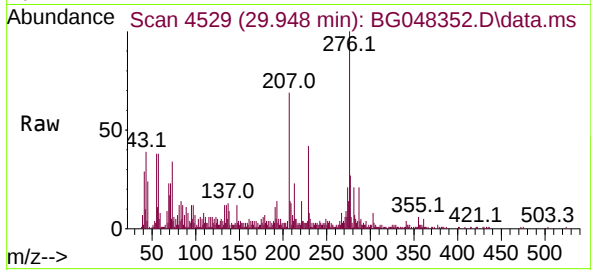
Tgt Ion:278 Resp: 51110
Ion Ratio Lower Upper
278 100
139 12.9 10.5 15.7
279 29.6 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 9.75 ng
RT: 29.948 min Scan# 4529
Delta R.T. 0.059 min
Lab File: BG048352.D
Acq: 6 Mar 2021 00:30

Instrument :
BNA_G
ClientSampleId :
PL-02-030421



Tgt Ion:276 Resp: 157506
Ion Ratio Lower Upper
276 100
277 27.0 19.6 29.4
138 9.3 13.4 20.2#

