

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032221\
 Data File : BG048465.D
 Acq On : 23 Mar 2021 6:02
 Operator : CG/JU
 Sample : M1713-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-7A

Quant Time: Mar 23 06:41:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 22 11:22:24 2021
 Response via : Initial Calibration

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

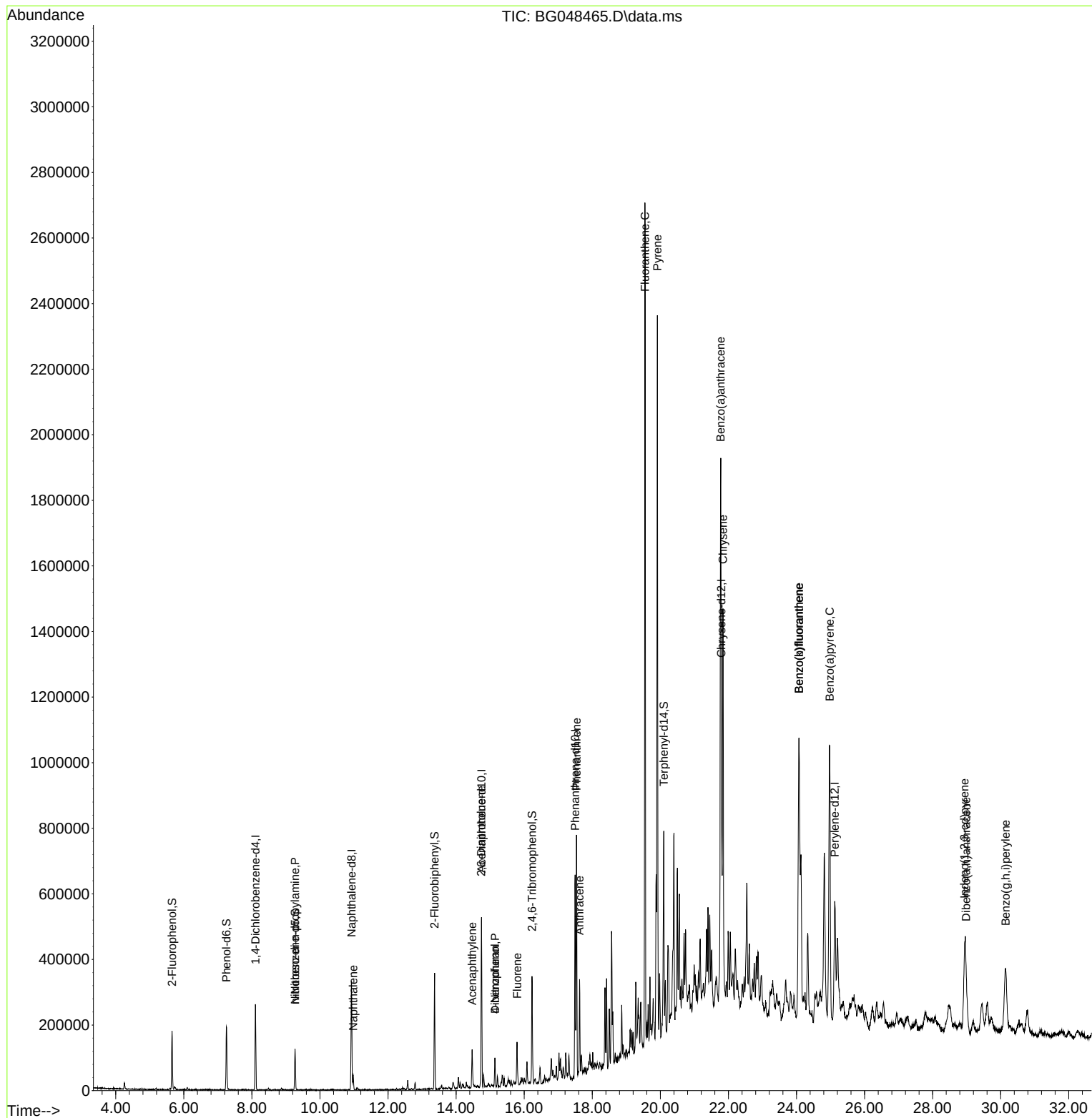
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.108	152	69333	20.00	ng	0.00
21) Naphthalene-d8	10.928	136	268342	20.00	ng	# 0.00
39) Acenaphthene-d10	14.747	164	198577	20.00	ng	0.00
64) Phenanthrene-d10	17.497	188	405897	20.00	ng	# 0.00
76) Chrysene-d12	21.792	240	378050	20.00	ng	# 0.00
86) Perylene-d12	25.123	264	406097	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.652	112	69648	16.61	ng	0.00
7) Phenol-d6	7.250	99	98047	16.07	ng	0.00
23) Nitrobenzene-d5	9.266	82	75181	11.20	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	50613	15.67	ng	0.00
45) 2-Fluorobiphenyl	13.367	172	168160	12.18	ng	0.00
79) Terphenyl-d14	20.100	244	254846	12.16	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.244	77	1047	Below Cal	#	69
19) n-Nitroso-di-n-propyla...	9.266	70	10908	2.41	ng	# 77
31) Naphthalene	10.975	128	32858	2.21	ng	98
49) Acenaphthylene	14.471	152	97302	5.23	ng	99
51) 2,6-Dinitrotoluene	14.741	165	26587	7.64	ng	# 34
55) Dibenzofuran	15.141	168	38626	2.07	ng	91
56) 4-Nitrophenol	15.141	139	15789	5.30	ng	# 15
58) Fluorene	15.793	166	54721	3.50	ng	98
71) Phenanthrene	17.538	178	437377	20.40	ng	96
72) Anthracene	17.626	178	185217	8.71	ng	98
75) Fluoranthene	19.548	202	1579392	55.32	ng	96
78) Pyrene	19.912	202	1457140	56.12	ng	98
81) Benzo(a)anthracene	21.769	228	1060606	40.45	ng	97
83) Chrysene	21.839	228	896723	35.67	ng	98
87) Indeno(1,2,3-cd)pyrene	28.937	276	581277	18.77	ng	# 53
88) Benzo(b)fluoranthene	24.072	252	1225915	42.84	ng	# 96
89) Benzo(k)fluoranthene	24.072	252	1225915	45.40	ng	# 95
90) Benzo(a)pyrene	24.977	252	1002468	38.42	ng	# 94
91) Dibenzo(a,h)anthracene	28.984	278	169115	6.40	ng	# 90
92) Benzo(g,h,i)perylene	30.147	276	464168	18.11	ng	# 91

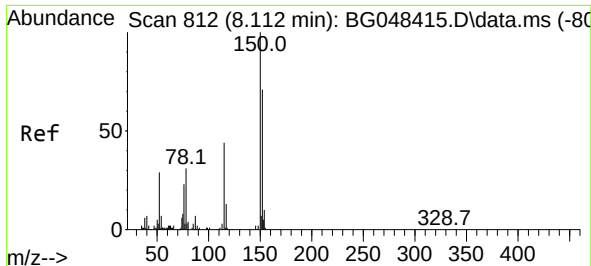
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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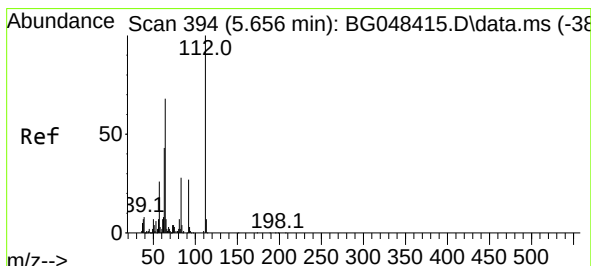
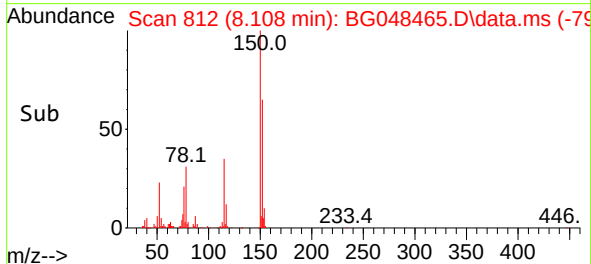
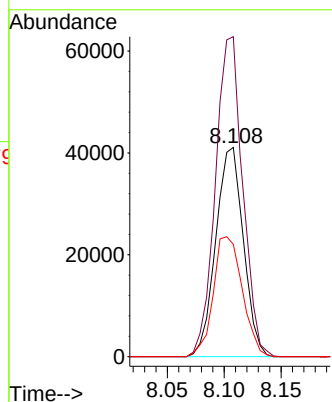
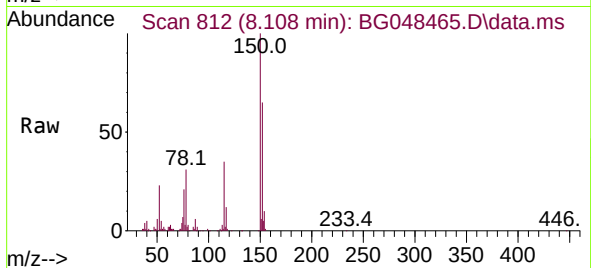




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.108 min Scan# 812
Delta R.T. 0.005 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

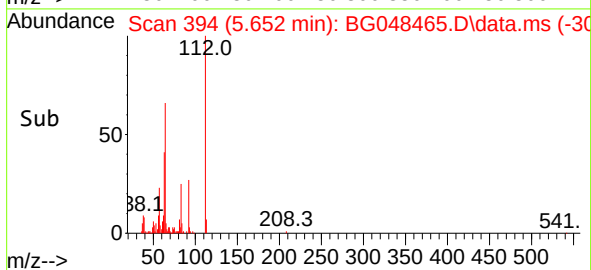
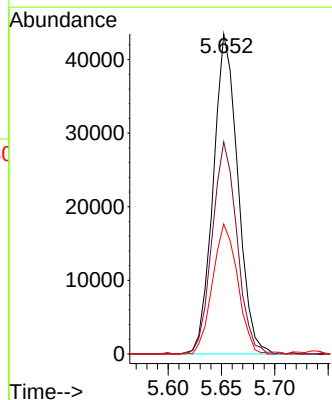
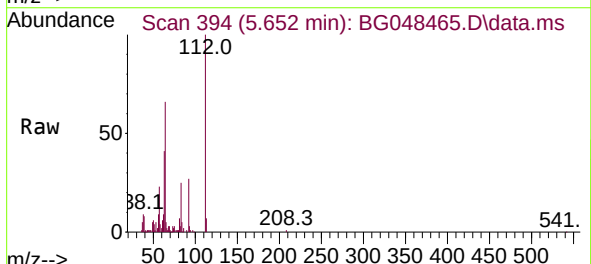
Instrument :
BNA_G
ClientSampleId :
TP-7A

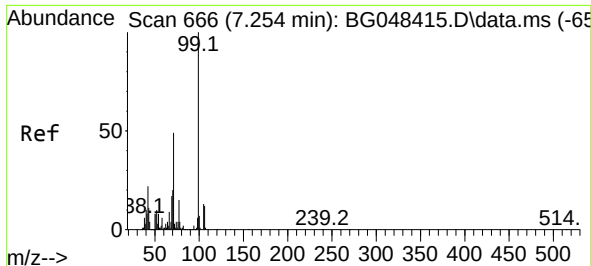
Tgt Ion:152 Resp: 69333
Ion Ratio Lower Upper
152 100
150 152.9 125.0 187.6
115 53.7 41.8 62.6



#5
2-Fluorophenol
Concen: 16.61 ng
RT: 5.652 min Scan# 394
Delta R.T. 0.005 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:112 Resp: 69648
Ion Ratio Lower Upper
112 100
64 66.2 46.7 70.1
63 40.6 22.8 34.2#

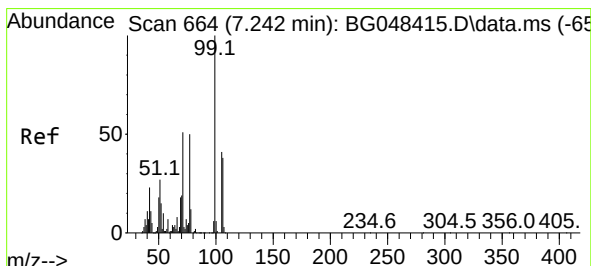
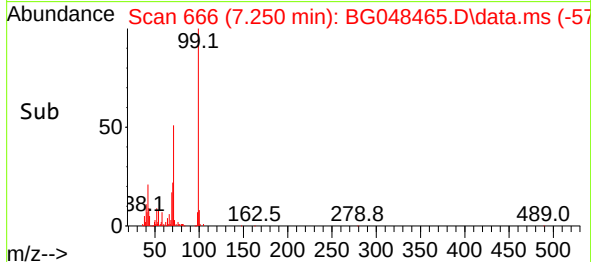
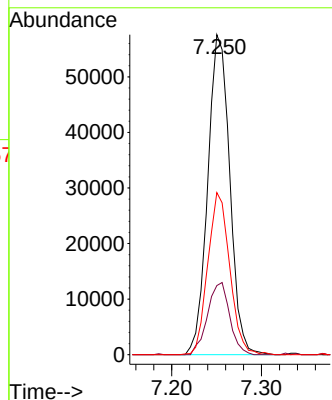
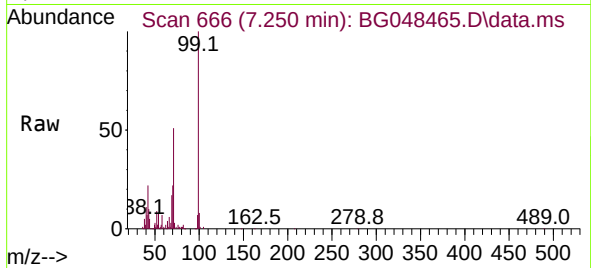




#7
Phenol-d6
Concen: 16.07 ng
RT: 7.250 min Scan# 666
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

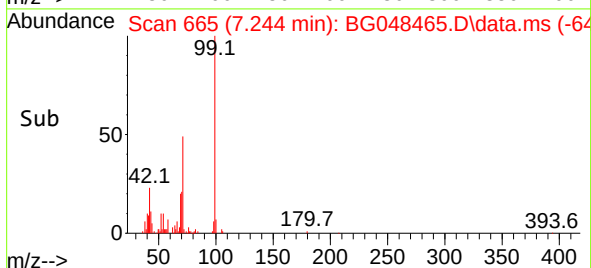
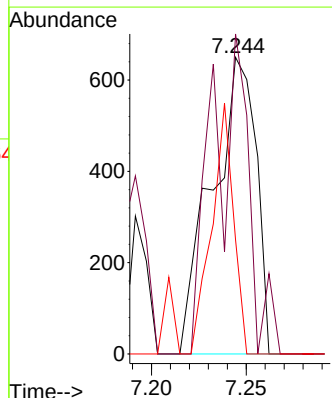
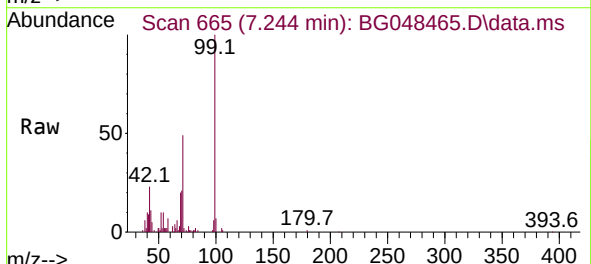
Instrument :
BNA_G
ClientSampleId :
TP-7A

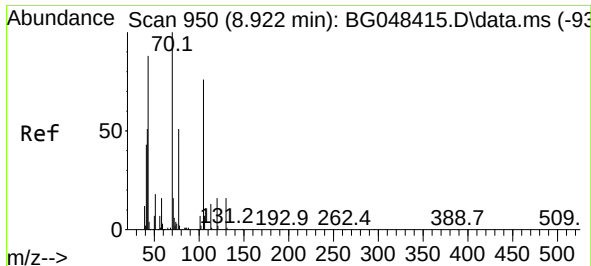
Tgt Ion: 99 Resp: 98047
Ion Ratio Lower Upper
99 100
42 21.6 12.8 19.2#
71 50.7 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.244 min Scan# 665
Delta R.T. 0.005 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion: 77 Resp: 1047
Ion Ratio Lower Upper
77 100
105 107.8 85.9 125.9
106 38.5 80.9 120.9#

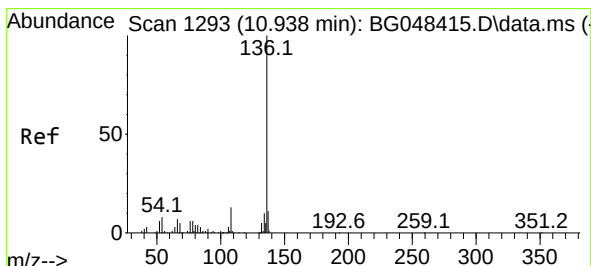
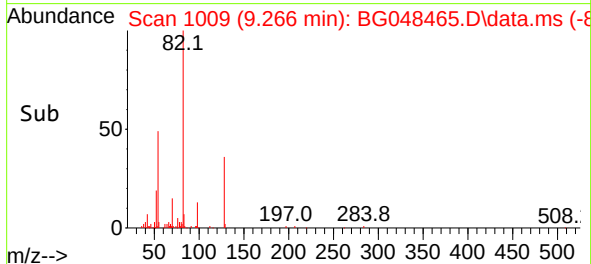
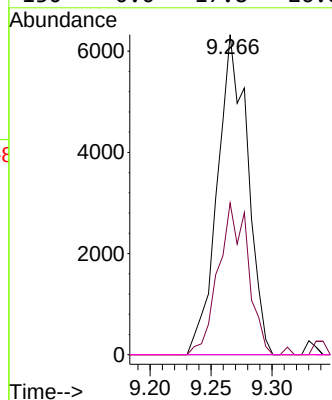
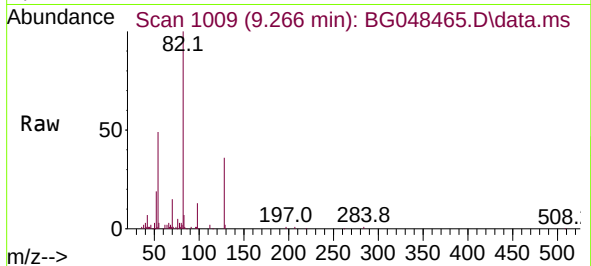




#19
n-Nitroso-di-n-propylamine
Concen: 2.41 ng
RT: 9.266 min Scan# 1009
Delta R.T. 0.352 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

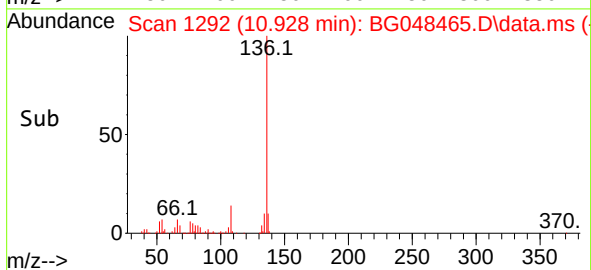
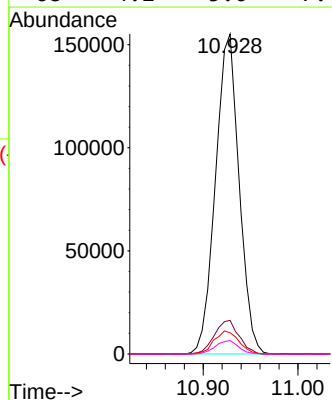
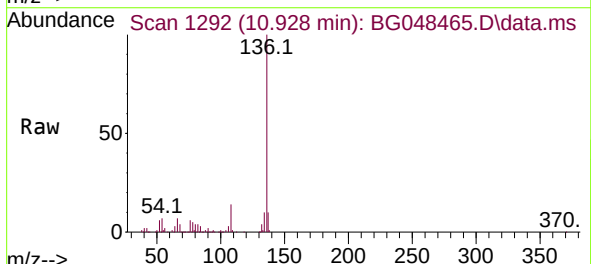
Instrument :
BNA_G
ClientSampleId :
TP-7A

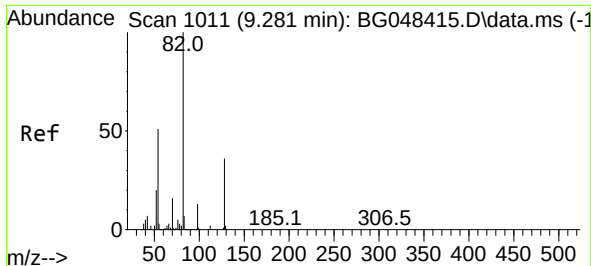
Tgt Ion: 70	Resp: 10908
Ion Ratio	Lower Upper
70 100	
42 47.4	45.6 68.4
101 0.0	8.4 12.6#
130 0.0	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.928 min Scan# 1292
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion: 136	Resp: 268342
Ion Ratio	Lower Upper
136 100	
137 10.5	9.1 13.7
54 6.6	6.2 9.4
68 4.2	5.0 7.4#





#23

Nitrobenzene-d5

Concen: 11.20 ng

RT: 9.266 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BG048465.D

Acq: 23 Mar 2021 6:02

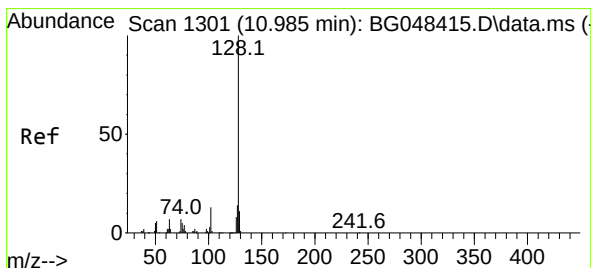
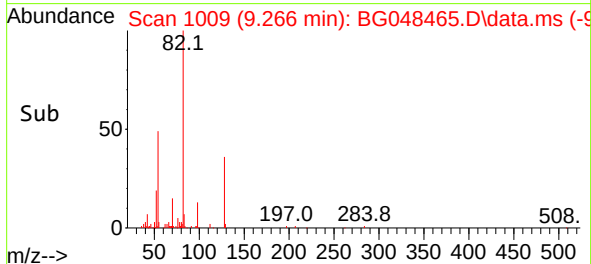
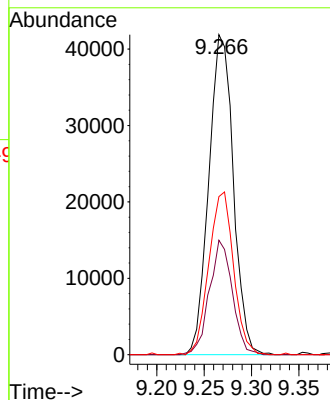
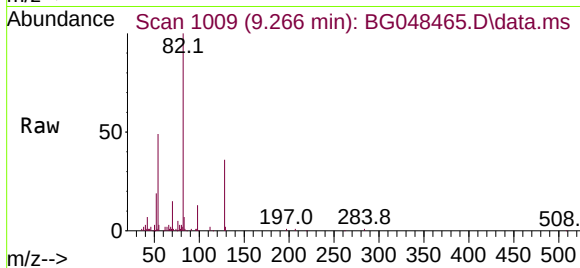
Tgt Ion: 82	Resp: 75181
Ion Ratio	Lower Upper
82 100	
128 35.8	37.0 55.6#
54 49.4	39.0 58.4

Instrument :

BNA_G

ClientSampleId :

TP-7A



#31

Naphthalene

Concen: 2.21 ng

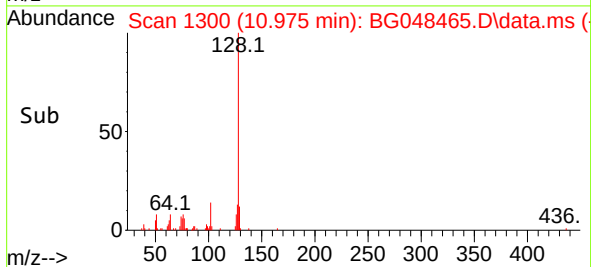
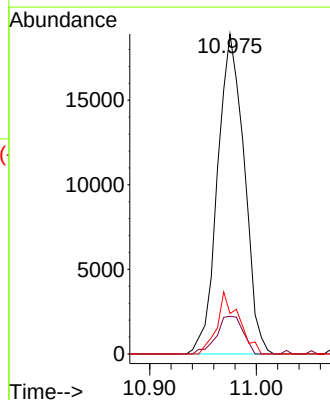
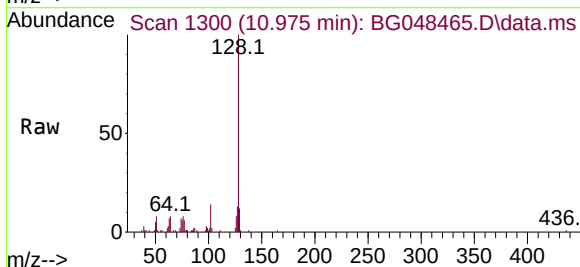
RT: 10.975 min Scan# 1300

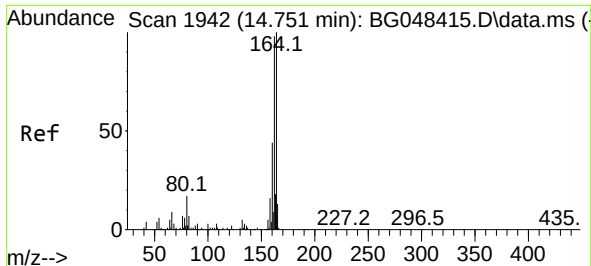
Delta R.T. -0.001 min

Lab File: BG048465.D

Acq: 23 Mar 2021 6:02

Tgt Ion: 128	Resp: 32858
Ion Ratio	Lower Upper
128 100	
129 11.7	9.0 13.6
127 12.7	11.0 16.4

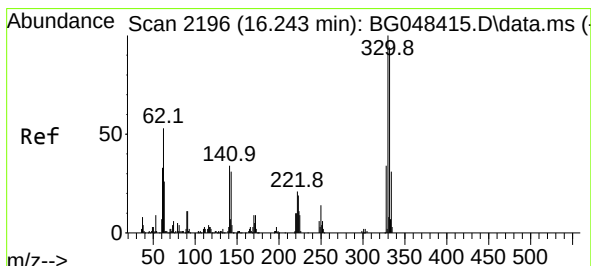
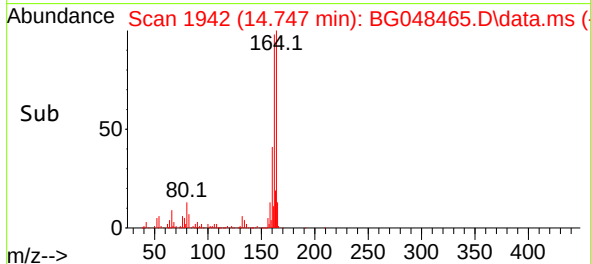
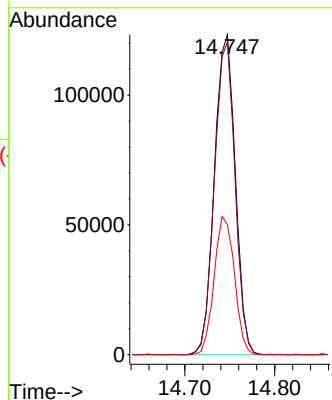
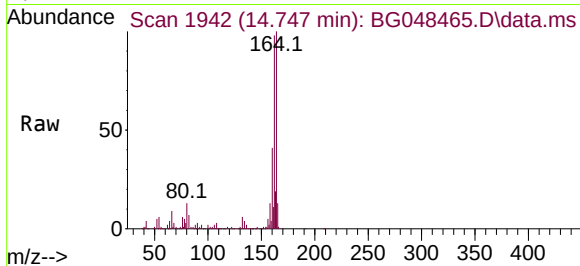




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.747 min Scan# 1942
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

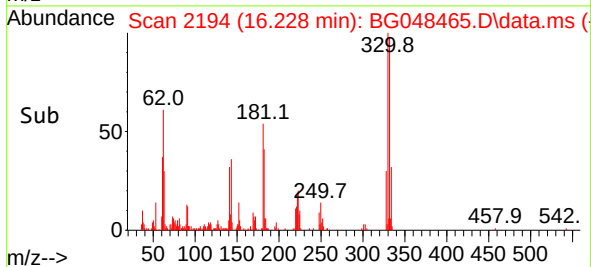
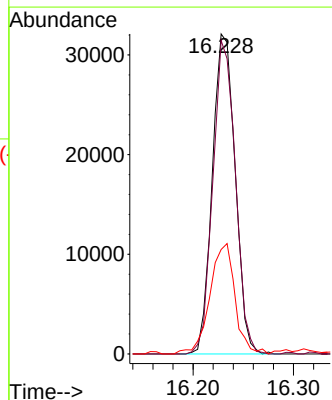
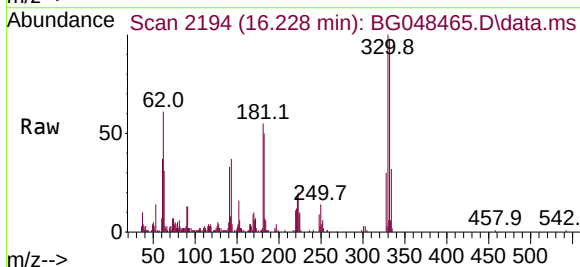
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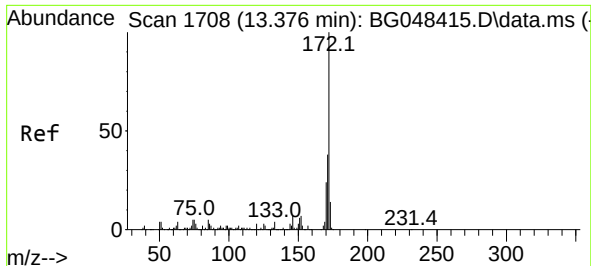
Tgt Ion:164 Resp: 198577
Ion Ratio Lower Upper
164 100
162 97.7 82.3 123.5
160 40.7 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 15.67 ng
RT: 16.228 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:330 Resp: 50613
Ion Ratio Lower Upper
330 100
332 96.6 76.5 114.7
141 37.9 26.0 39.0

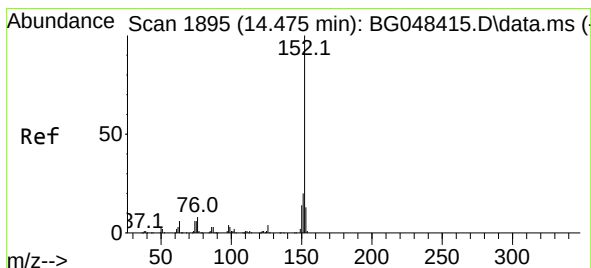
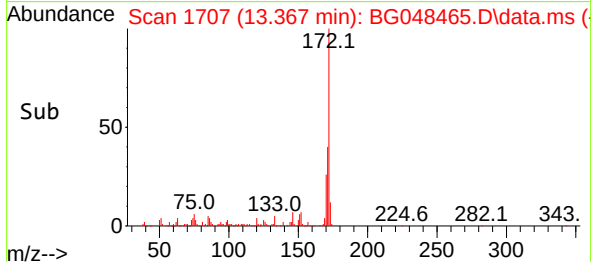
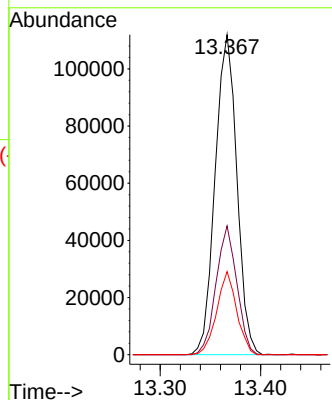
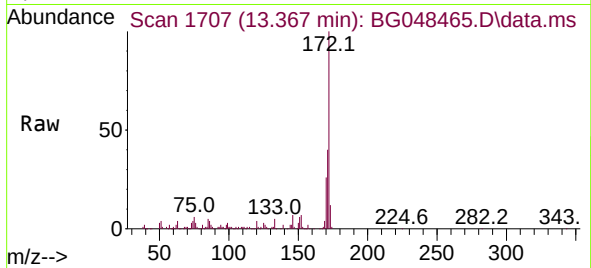




#45
2-Fluorobiphenyl
Concen: 12.18 ng
RT: 13.367 min Scan# 1707
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

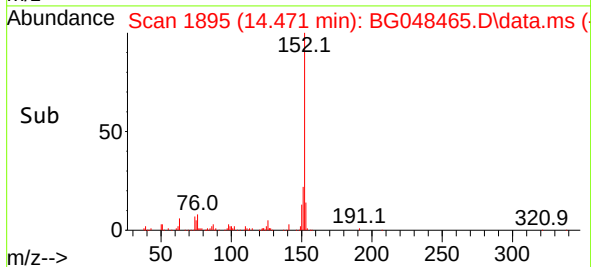
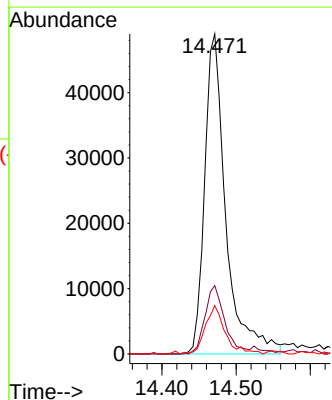
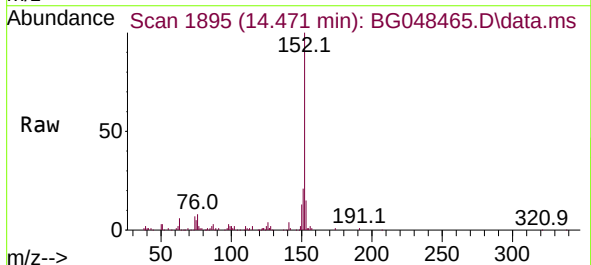
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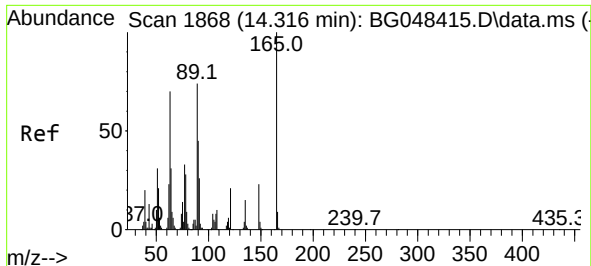
Tgt Ion:172 Resp: 168160
Ion Ratio Lower Upper
172 100
171 40.2 31.3 46.9
170 25.9 20.8 31.2



#49
Acenaphthylene
Concen: 5.23 ng
RT: 14.471 min Scan# 1895
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:152 Resp: 97302
Ion Ratio Lower Upper
152 100
151 21.4 17.4 26.0
153 15.1 11.5 17.3

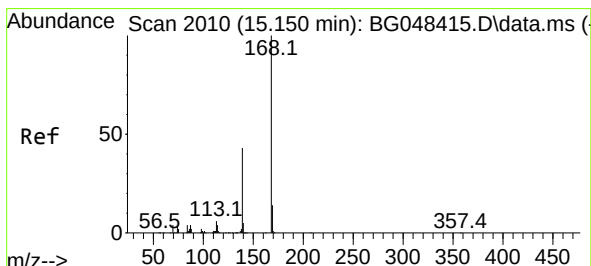
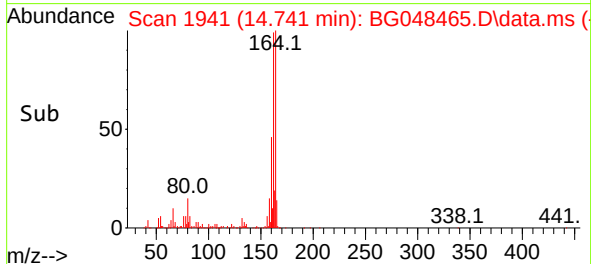
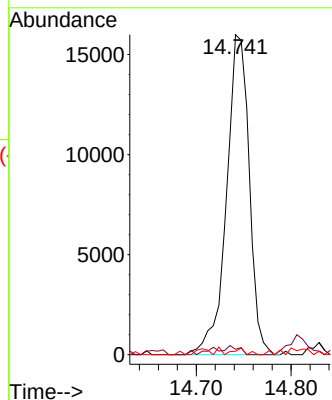
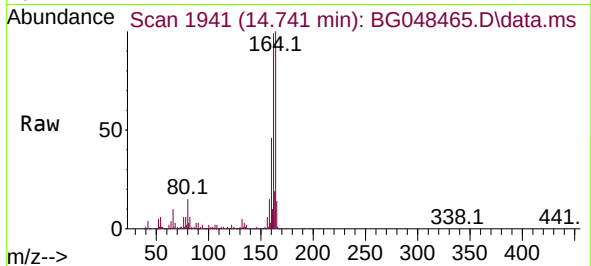




#51
2,6-Dinitrotoluene
Concen: 7.64 ng
RT: 14.741 min Scan# 1941
Delta R.T. 0.428 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

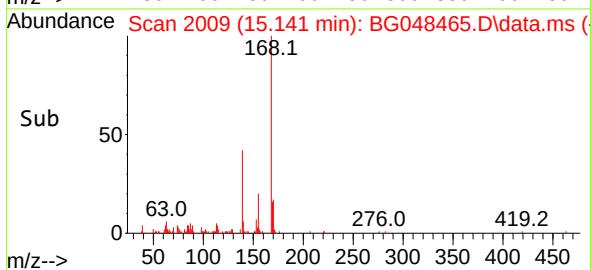
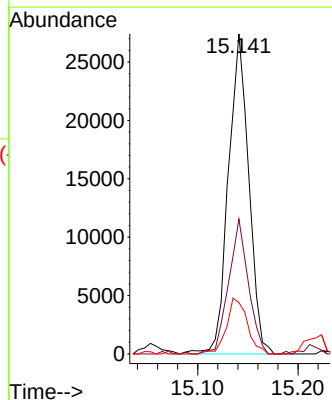
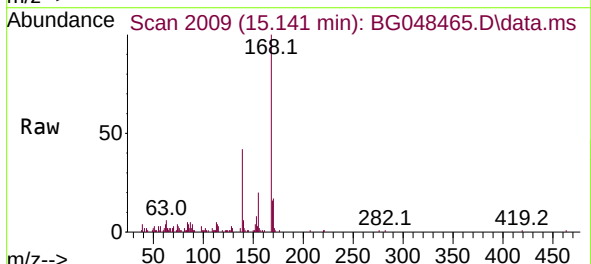
Instrument :
BNA_G
ClientSampled :
TP-7A

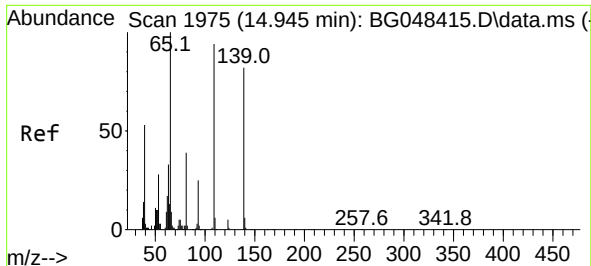
Tgt Ion:165 Resp: 26587
Ion Ratio Lower Upper
165 100
63 1.7 33.7 50.5#
89 1.1 36.6 54.8#



#55
Dibenzofuran
Concen: 2.07 ng
RT: 15.141 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:168 Resp: 38626
Ion Ratio Lower Upper
168 100
139 42.2 28.6 43.0
169 16.1 11.0 16.6

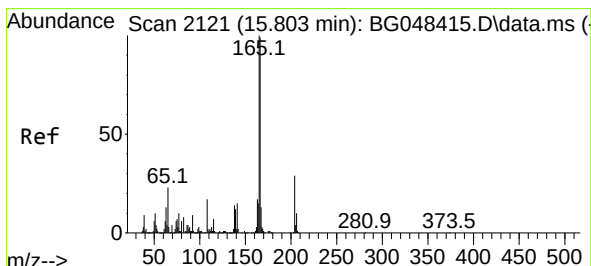
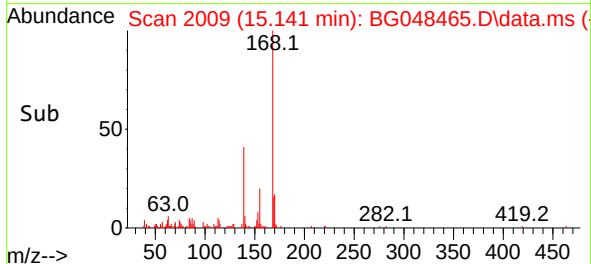
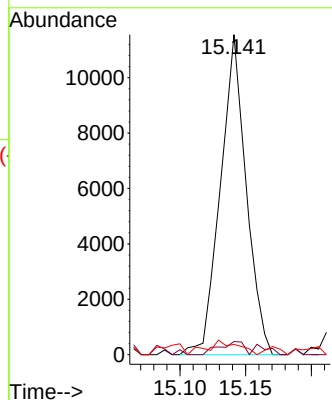
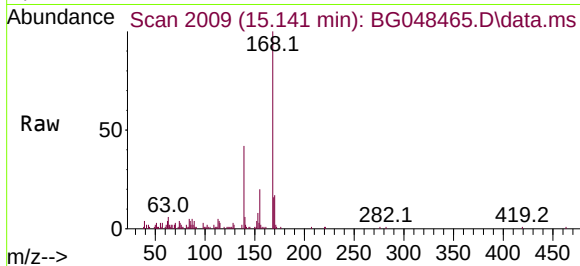




#56
4-Nitrophenol
Concen: 5.30 ng
RT: 15.141 min Scan# 2009
Delta R.T. 0.205 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

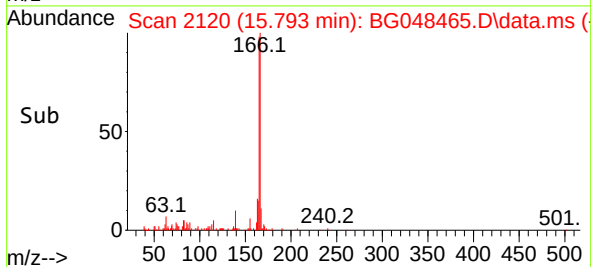
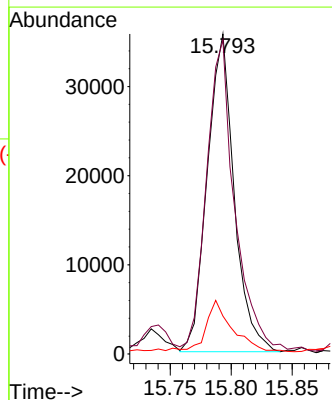
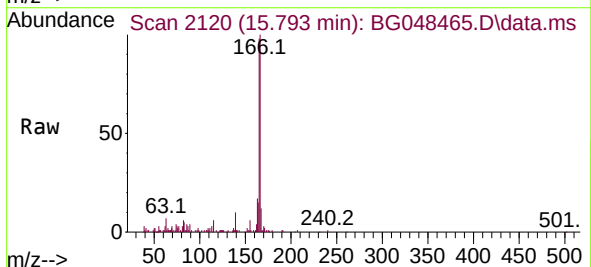
Instrument :
BNA_G
ClientSampled :
TP-7A

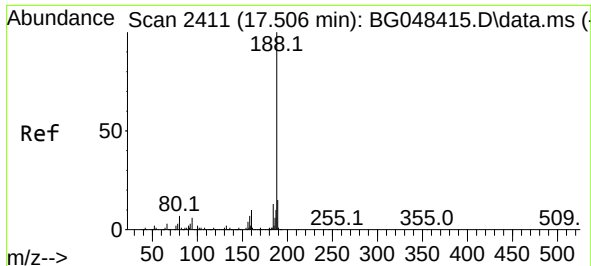
Tgt Ion:139 Resp: 15789
Ion Ratio Lower Upper
139 100
109 4.1 45.9 85.9#
65 3.2 65.4 105.4#



#58
Fluorene
Concen: 3.50 ng
RT: 15.793 min Scan# 2120
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:166 Resp: 54721
Ion Ratio Lower Upper
166 100
165 98.1 77.2 115.8
167 11.8 11.4 17.2

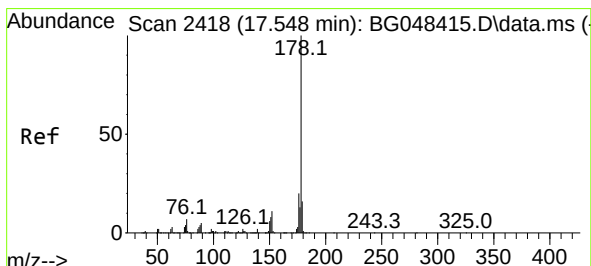
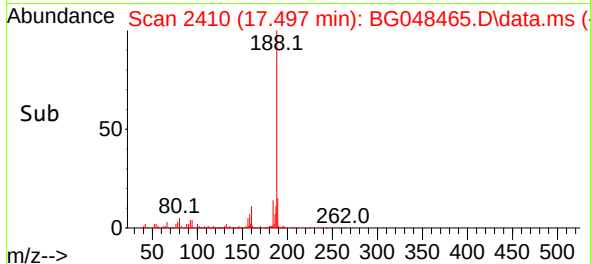
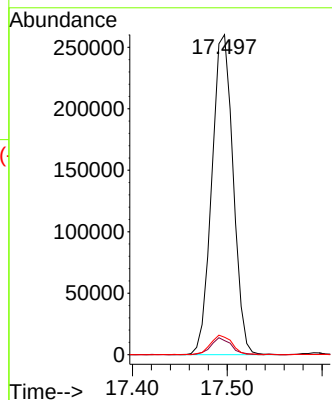
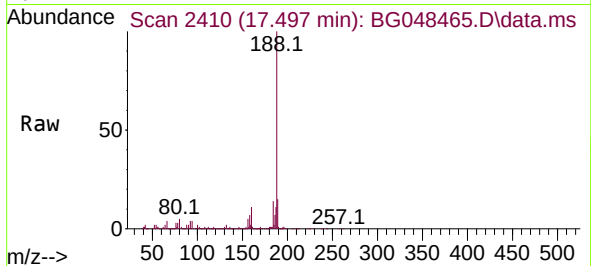




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.497 min Scan# 2410
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

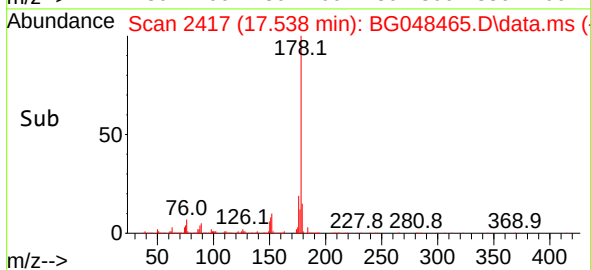
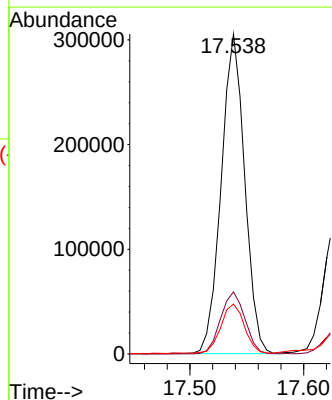
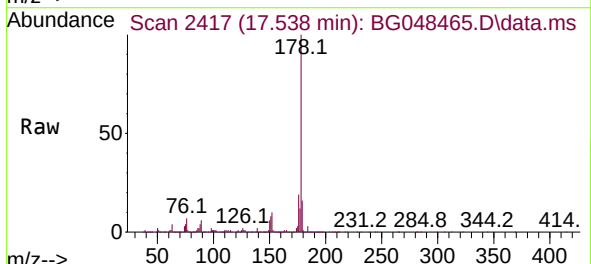
Instrument :
BNA_G
ClientSampleId :
TP-7A

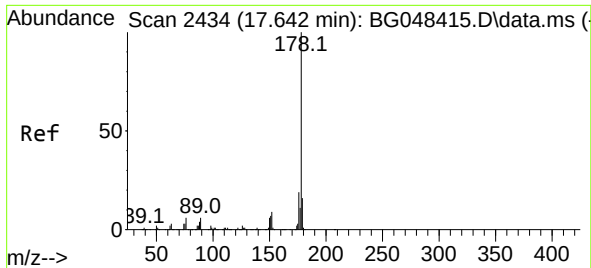
Tgt Ion:188 Resp: 405897
Ion Ratio Lower Upper
188 100
94 4.4 6.3 9.5#
80 5.4 7.0 10.6#



#71
Phenanthrene
Concen: 20.40 ng
RT: 17.538 min Scan# 2417
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:178 Resp: 437377
Ion Ratio Lower Upper
178 100
176 19.4 16.7 25.1
179 15.6 14.0 21.0

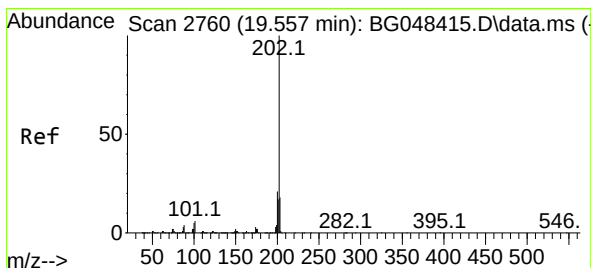
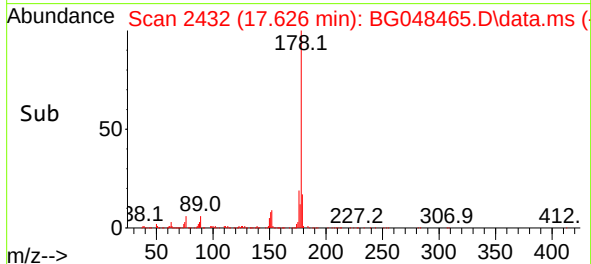
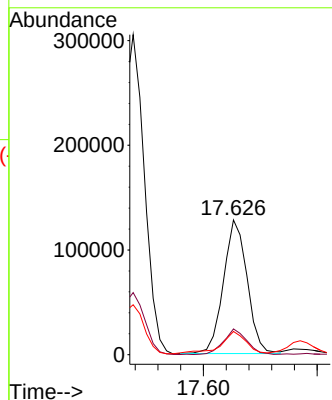
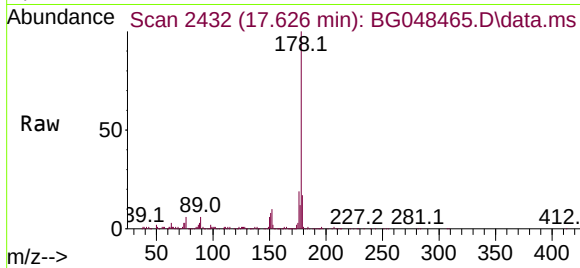




#72
 Anthracene
 Concen: 8.71 ng
 RT: 17.626 min Scan# 2432
 Delta R.T. -0.006 min
 Lab File: BG048465.D
 Acq: 23 Mar 2021 6:02

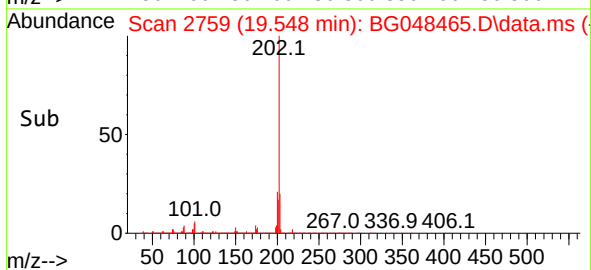
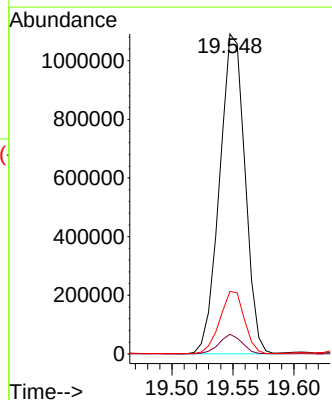
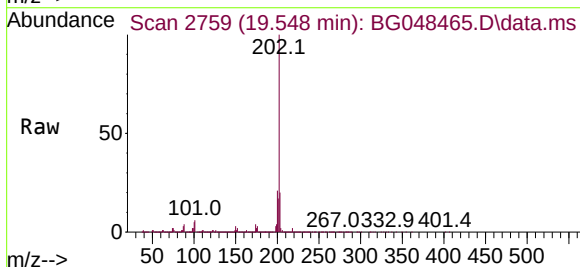
Instrument :
 BNA_G
 ClientSampled :
 TP-7A

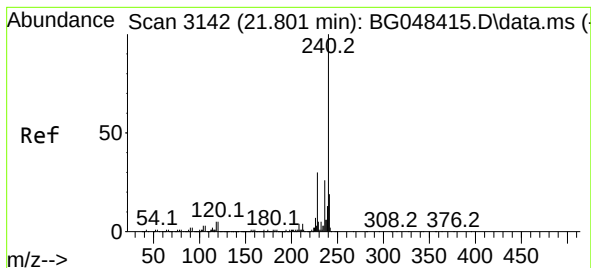
Tgt Ion:178 Resp: 185217
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.4 24.6
 179 17.2 13.8 20.6



#75
 Fluoranthene
 Concen: 55.32 ng
 RT: 19.548 min Scan# 2759
 Delta R.T. -0.001 min
 Lab File: BG048465.D
 Acq: 23 Mar 2021 6:02

Tgt Ion:202 Resp: 1579392
 Ion Ratio Lower Upper
 202 100
 101 6.2 0.0 29.7
 203 19.5 0.0 39.2

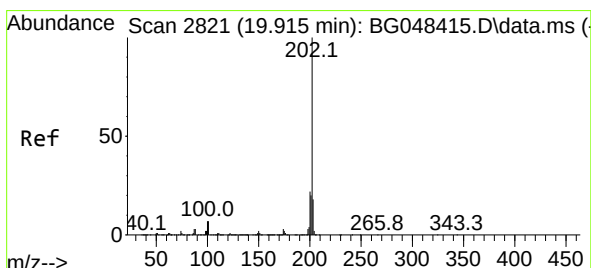
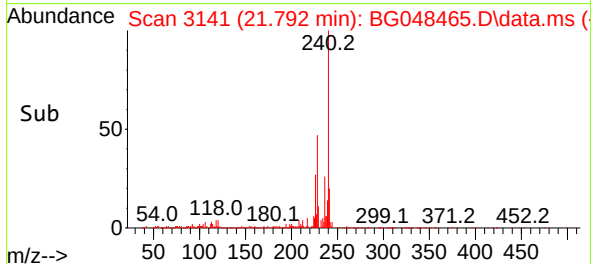
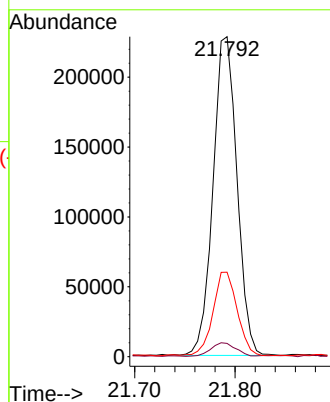
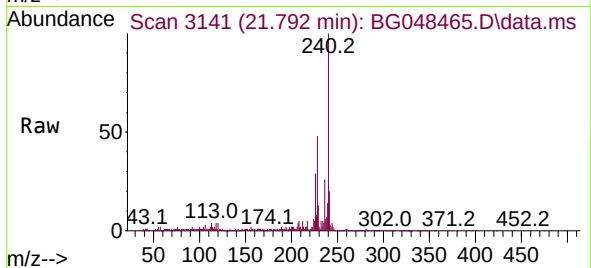




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.792 min Scan# 3141
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

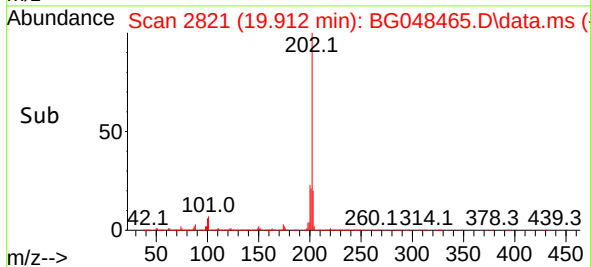
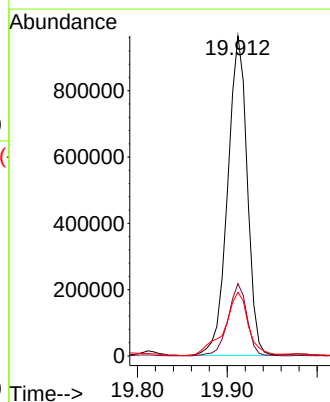
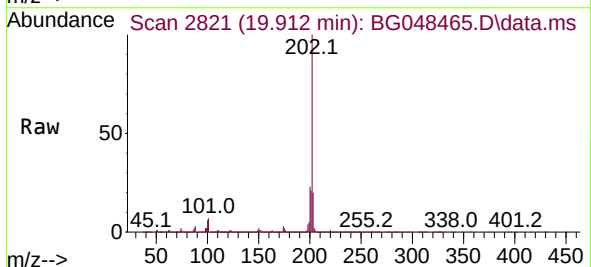
Instrument :
BNA_G
ClientSampleId :
TP-7A

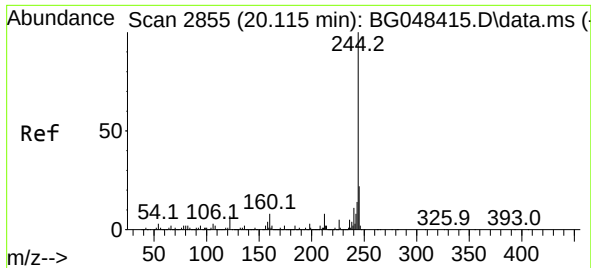
Tgt Ion:240 Resp: 378050
Ion Ratio Lower Upper
240 100
120 4.2 6.2 9.4#
236 26.4 20.5 30.7



#78
Pyrene
Concen: 56.12 ng
RT: 19.912 min Scan# 2821
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:202 Resp: 1457140
Ion Ratio Lower Upper
202 100
200 22.6 18.6 27.8
203 19.9 15.3 22.9

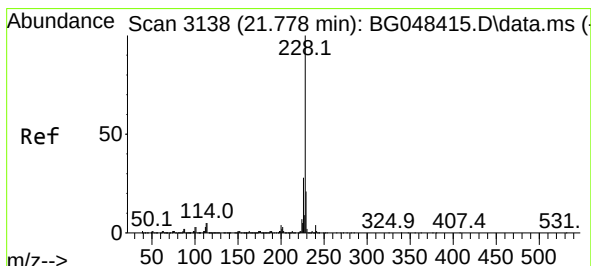
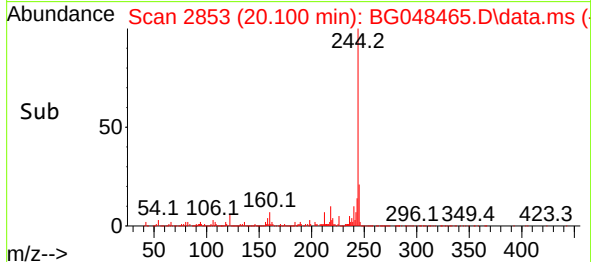
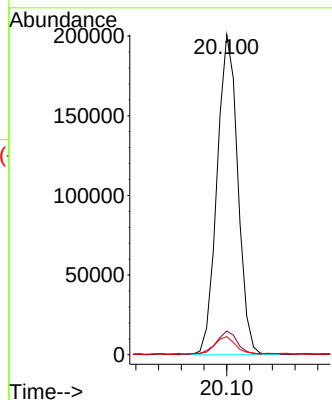
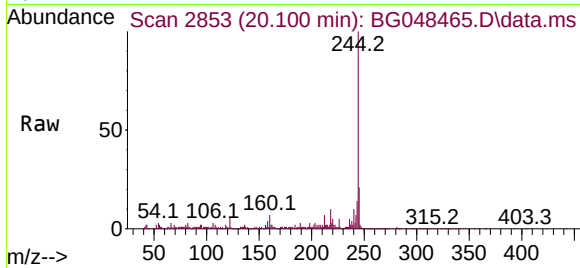




#79
 Terphenyl-d14
 Concen: 12.16 ng
 RT: 20.100 min Scan# 2853
 Delta R.T. -0.006 min
 Lab File: BG048465.D
 Acq: 23 Mar 2021 6:02

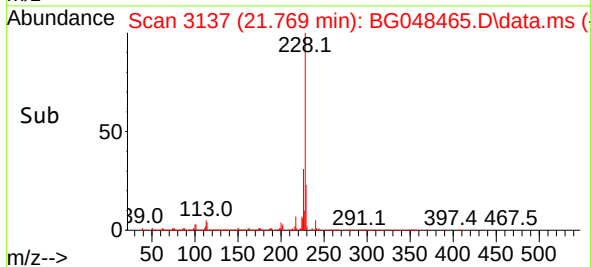
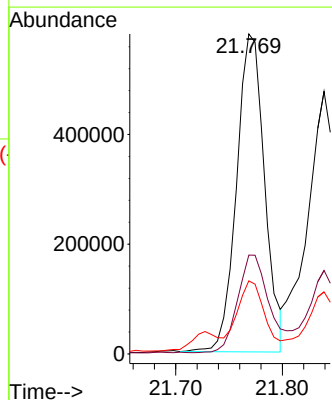
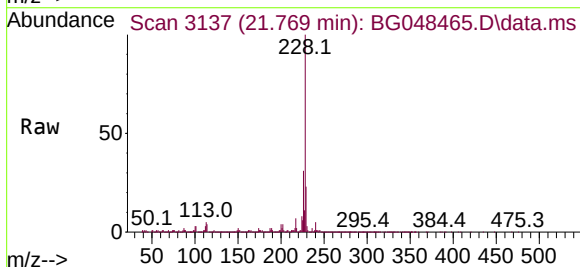
Instrument :
 BNA_G
 ClientSampled :
 TP-7A

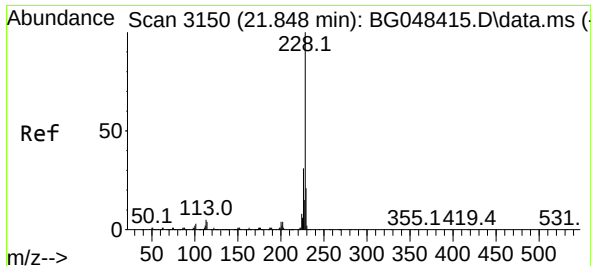
Tgt Ion:244 Resp: 254846
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.7 10.1
 122 5.7 7.8 11.6#



#81
 Benzo(a)anthracene
 Concen: 40.45 ng
 RT: 21.769 min Scan# 3137
 Delta R.T. -0.001 min
 Lab File: BG048465.D
 Acq: 23 Mar 2021 6:02

Tgt Ion:228 Resp: 1060606
 Ion Ratio Lower Upper
 228 100
 226 30.9 23.3 34.9
 229 22.9 17.4 26.0

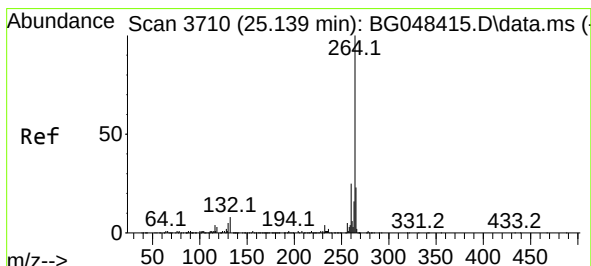
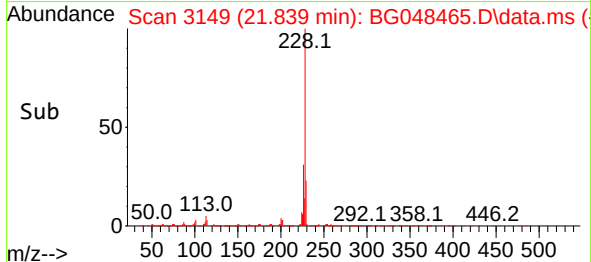
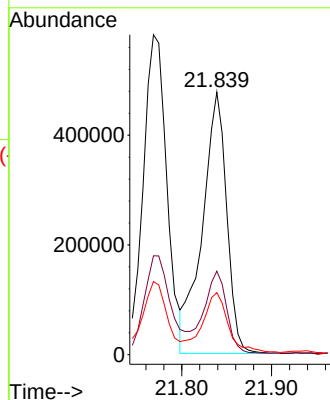
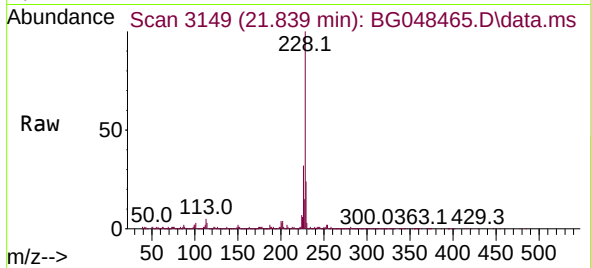




#83
Chrysene
Concen: 35.67 ng
RT: 21.839 min Scan# 3149
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

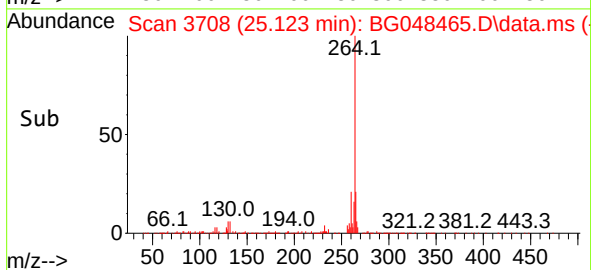
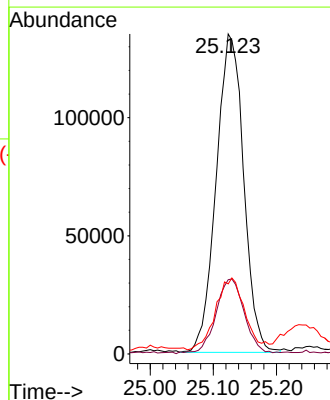
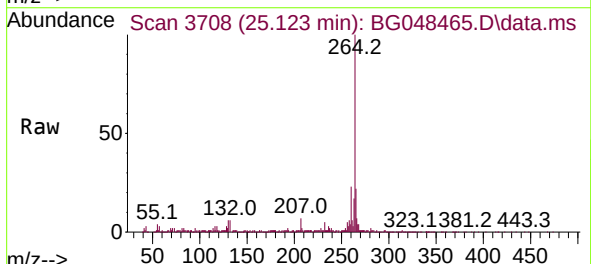
Instrument :
BNA_G
ClientSampled :
TP-7A

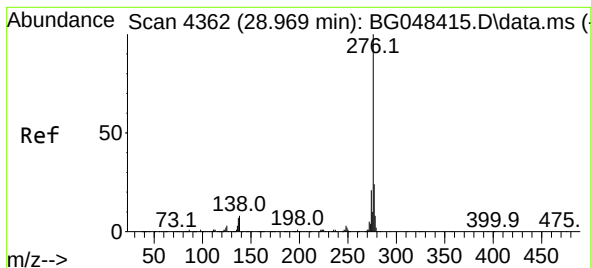
Tgt Ion:228	Resp: 896723
Ion Ratio	Lower Upper
228 100	
226 31.8	25.0 37.4
229 23.7	17.3 25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.123 min Scan# 3708
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:264	Resp: 406097
Ion Ratio	Lower Upper
264 100	
260 23.2	18.8 28.2
265 21.9	17.8 26.8

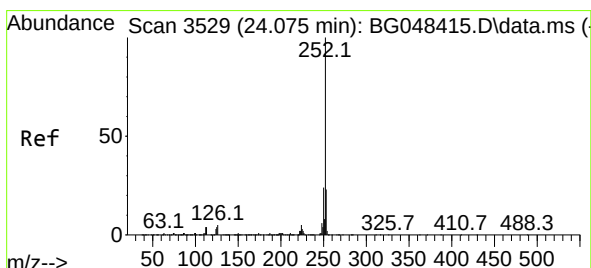
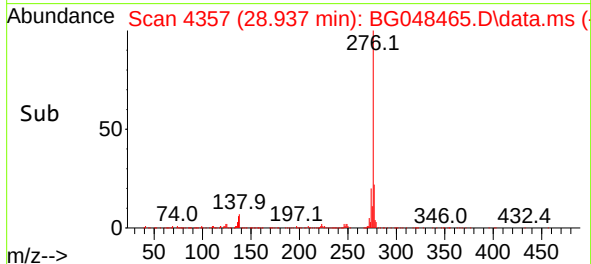
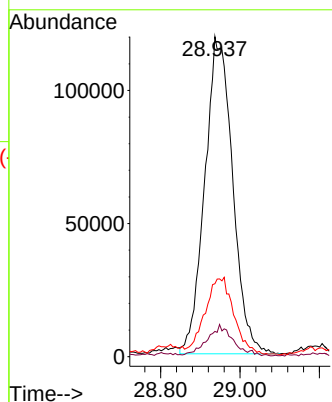
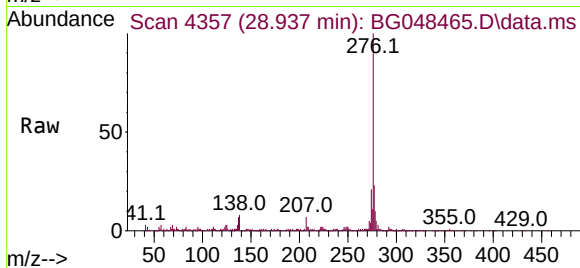




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 18.77 ng
 RT: 28.937 min Scan# 4357
 Delta R.T. -0.012 min
 Lab File: BG048465.D
 Acq: 23 Mar 2021 6:02

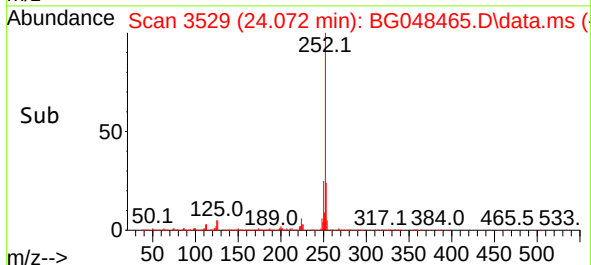
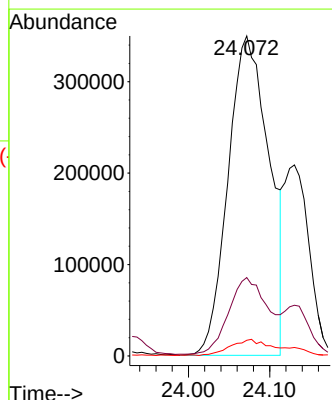
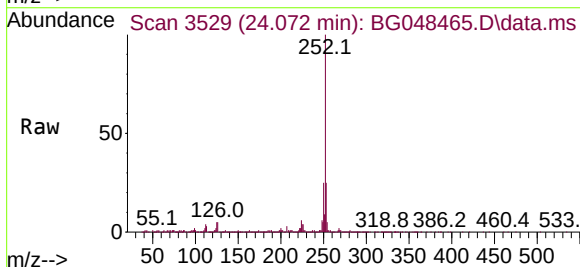
Instrument :
 BNA_G
 ClientSampled :
 TP-7A

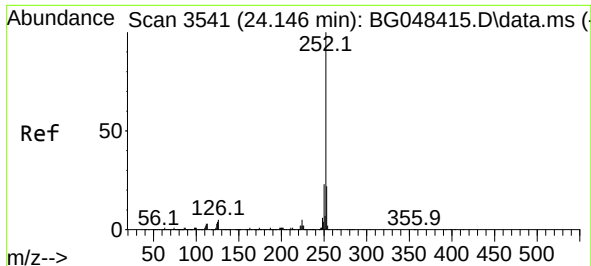
Tgt Ion:276 Resp: 581277
 Ion Ratio Lower Upper
 276 100
 138 0.0 16.2 24.2#
 277 0.0 20.3 30.5#



#88
 Benzo(b)fluoranthene
 Concen: 42.84 ng
 RT: 24.072 min Scan# 3529
 Delta R.T. 0.011 min
 Lab File: BG048465.D
 Acq: 23 Mar 2021 6:02

Tgt Ion:252 Resp: 1225915
 Ion Ratio Lower Upper
 252 100
 253 24.5 18.7 28.1
 125 4.9 6.5 9.7#

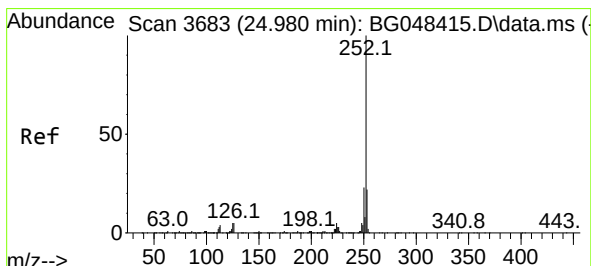
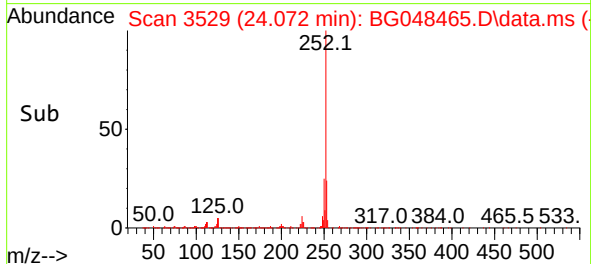
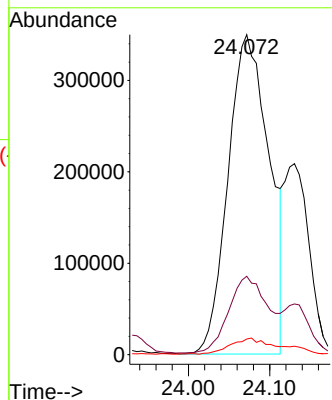
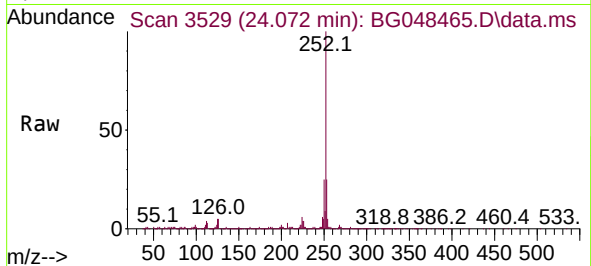




#89
Benzo(k)fluoranthene
Concen: 45.40 ng
RT: 24.072 min Scan# 3529
Delta R.T. -0.059 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

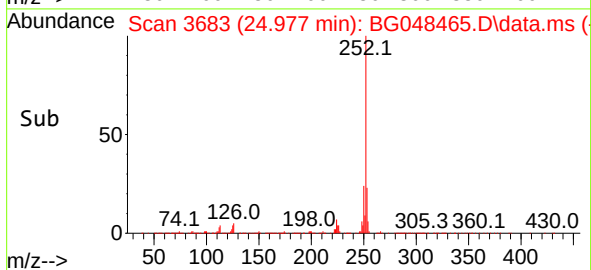
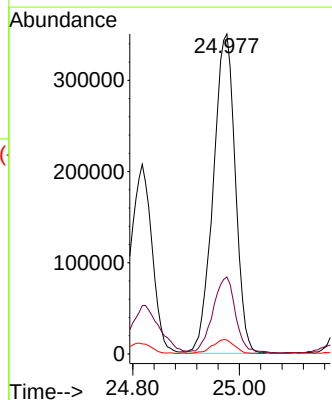
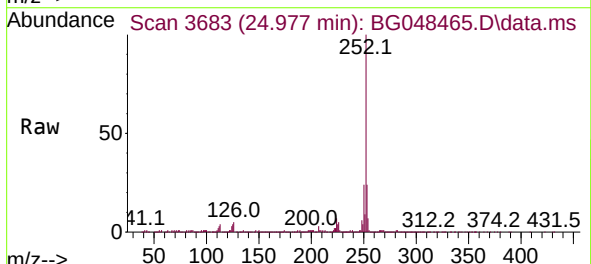
Instrument :
BNA_G
ClientSampleId :
TP-7A

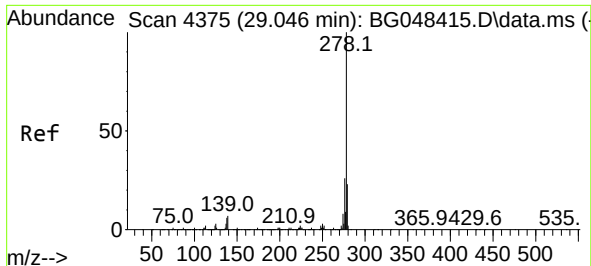
Tgt Ion:252 Resp: 1225915
Ion Ratio Lower Upper
252 100
253 24.5 18.6 27.8
125 4.9 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 38.42 ng
RT: 24.977 min Scan# 3683
Delta R.T. 0.005 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:252 Resp: 1002468
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 4.4 7.0 10.4#

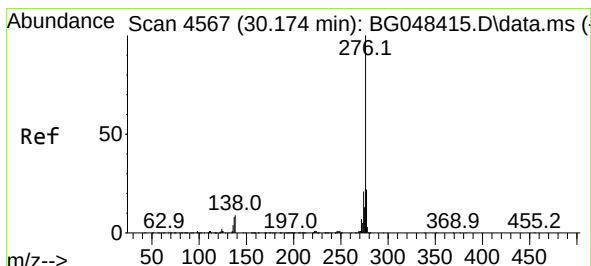
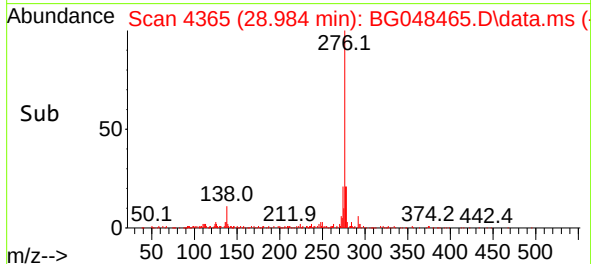
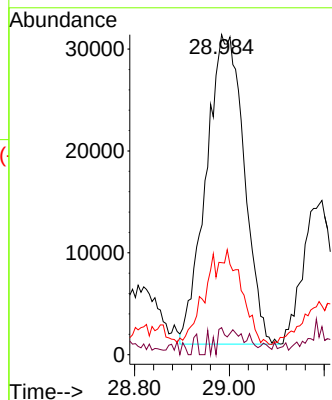
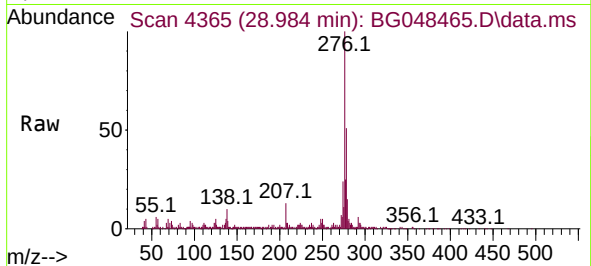




#91
Dibenzo(a,h)anthracene
Concen: 6.40 ng
RT: 28.984 min Scan# 4365
Delta R.T. -0.036 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Instrument :
BNA_G
ClientSampled :
TP-7A

Tgt Ion:278 Resp: 169115
Ion Ratio Lower Upper
278 100
139 8.4 10.5 15.7#
279 28.8 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 18.11 ng
RT: 30.147 min Scan# 4563
Delta R.T. -0.001 min
Lab File: BG048465.D
Acq: 23 Mar 2021 6:02

Tgt Ion:276 Resp: 464168
Ion Ratio Lower Upper
276 100
277 24.6 19.6 29.4
138 7.5 13.4 20.2#

