

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
 Data File : BG048829.D
 Acq On : 21 Apr 2021 21:27
 Operator : CG/JU
 Sample : M1998-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-3C

Quant Time: Apr 22 01:02:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

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

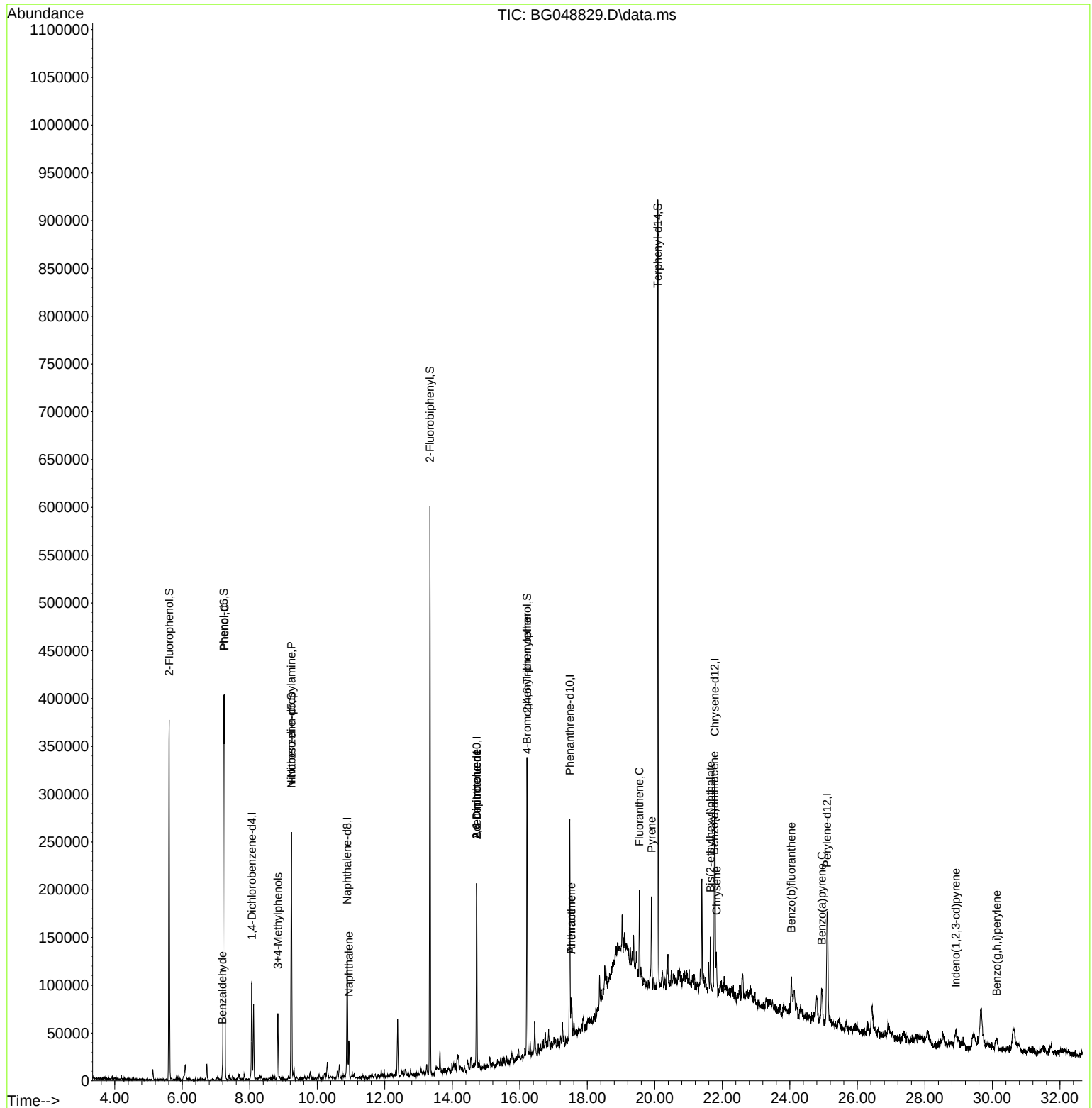
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	23916	20.00	ng	0.00
21) Naphthalene-d8	10.889	136	105880	20.00	ng	# 0.00
39) Acenaphthene-d10	14.720	164	65354	20.00	ng	0.00
64) Phenanthrene-d10	17.481	188	143203	20.00	ng	# 0.00
76) Chrysene-d12	21.776	240	127575	20.00	ng	0.00
86) Perylene-d12	25.102	264	133363	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.613	112	146725	102.61	ng	0.00
7) Phenol-d6	7.228	99	193475	95.66	ng	0.00
23) Nitrobenzene-d5	9.232	82	144965	61.30	ng	0.00
42) 2,4,6-Tribromophenol	16.212	330	48260	55.07	ng	0.00
45) 2-Fluorobiphenyl	13.339	172	278934	61.64	ng	0.00
79) Terphenyl-d14	20.090	244	359966	48.56	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.187	77	3613	2.70	ng	# 82
10) Phenol	7.252	94	179780	90.39	ng	96
19) n-Nitroso-di-n-propyla...	9.232	70	23490	17.21	ng	# 73
20) 3+4-Methylphenols	8.832	107	24498	13.98	ng	95
31) Naphthalene	10.936	128	13730	2.53	ng	97
51) 2,6-Dinitrotoluene	14.720	165	10258	9.07	ng	# 12
57) 2,4-Dinitrotoluene	14.720	165	10258	6.25	ng	# 17
67) 4-Bromophenyl-phenylether	16.218	248	4253	2.58	ng	# 1
71) Phenanthrene	17.522	178	25556	3.44	ng	99
72) Anthracene	17.522	178	25556	3.47	ng	97
75) Fluoranthene	19.543	202	54848	5.84	ng	98
78) Pyrene	19.902	202	50965	5.77	ng	98
81) Benzo(a)anthracene	21.759	228	33088	3.80	ng	92
83) Chrysene	21.829	228	32783	3.95	ng	98
84) Bis(2-ethylhexyl)phtha...	21.647	149	21090	4.36	ng	99
87) Indeno(1,2,3-cd)pyrene	28.915	276	26432	2.70	ng	# 66
88) Benzo(b)fluoranthene	24.044	252	44239	4.89	ng	# 94
90) Benzo(a)pyrene	24.949	252	35947	4.31	ng	# 98
92) Benzo(g,h,i)perylene	30.131	276	27527	3.32	ng	# 96

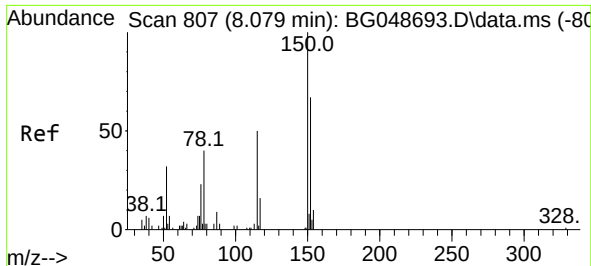
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 20 17:33:30 2021
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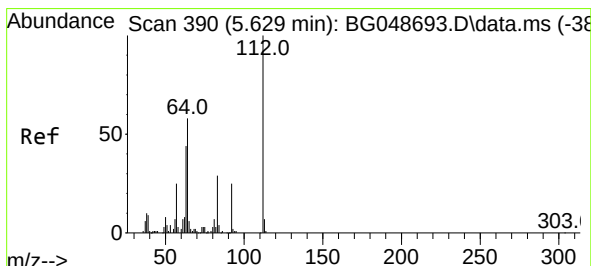
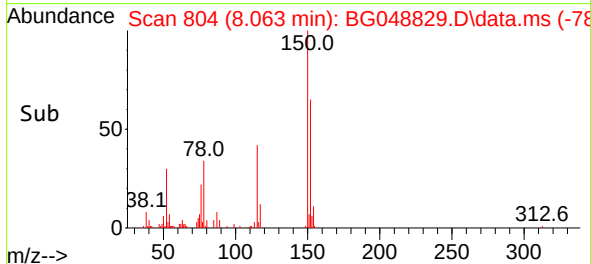
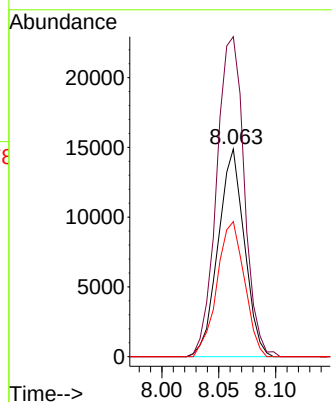
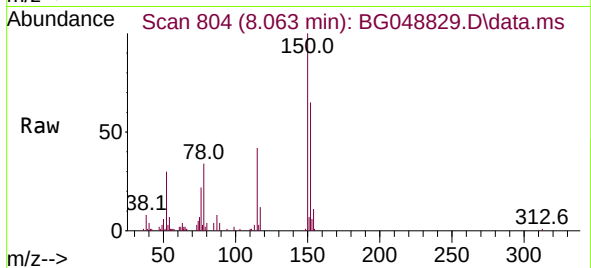




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.063 min Scan# 804
Delta R.T. 0.002 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

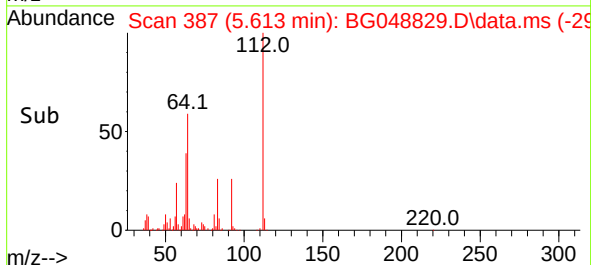
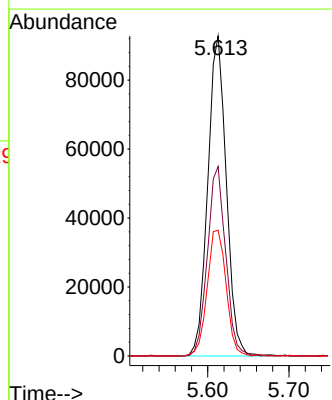
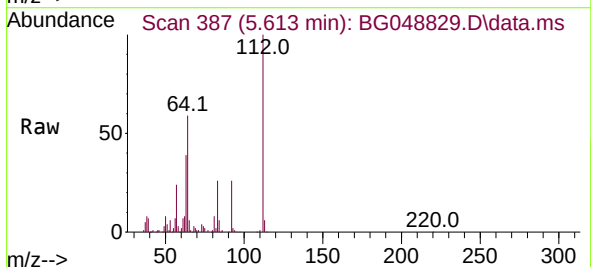
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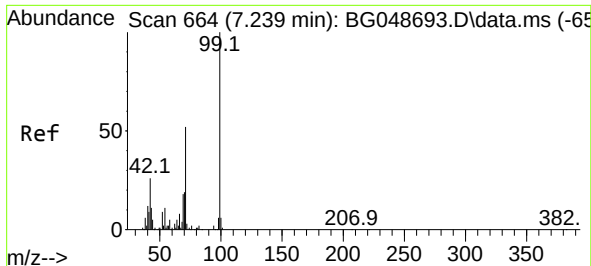
Tgt Ion:152 Resp: 23916
Ion Ratio Lower Upper
152 100
150 154.1 119.4 179.0
115 65.0 60.2 90.4



#5
2-Fluorophenol
Concen: 102.61 ng
RT: 5.613 min Scan# 387
Delta R.T. 0.007 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:112 Resp: 146725
Ion Ratio Lower Upper
112 100
64 59.2 46.7 70.1
63 39.3 35.3 52.9

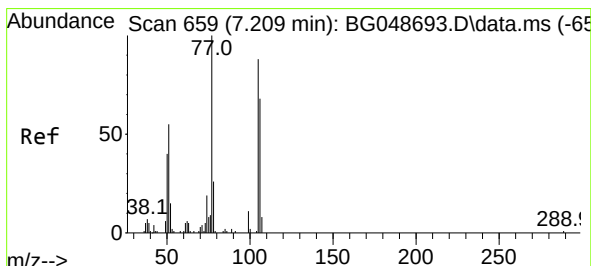
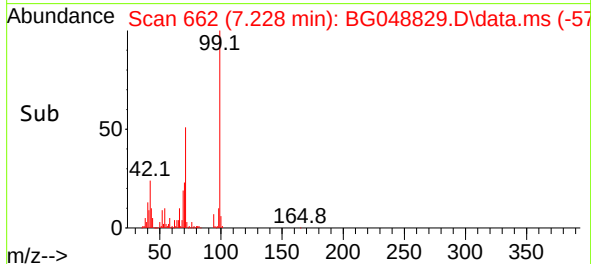
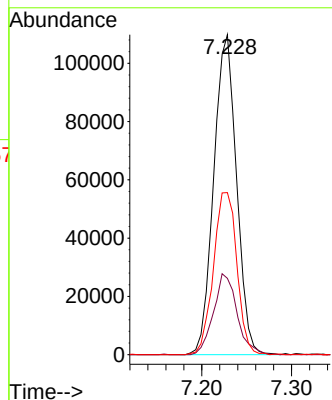
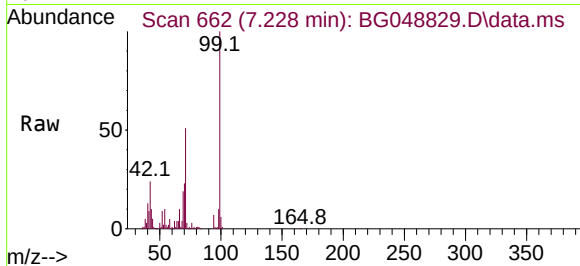




#7
Phenol-d6
Concen: 95.66 ng
RT: 7.228 min Scan# 662
Delta R.T. 0.007 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

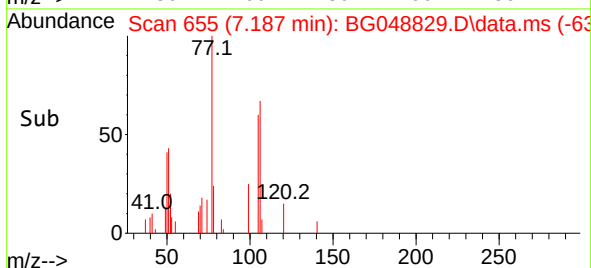
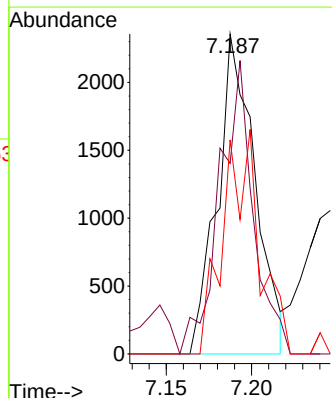
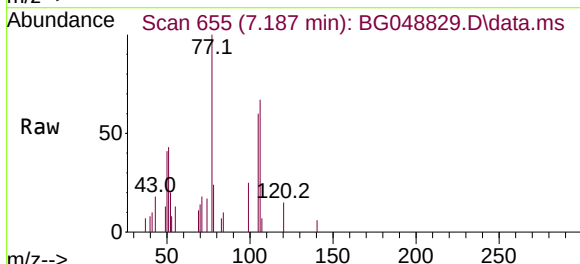
Instrument :
BNA_G
ClientSampleId :
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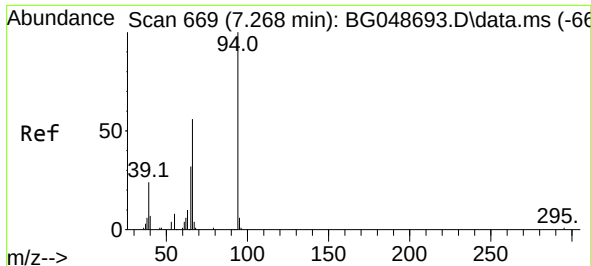
Tgt Ion: 99 Resp: 193475
Ion Ratio Lower Upper
99 100
42 23.9 20.5 30.7
71 50.6 41.5 62.3



#9
Benzaldehyde
Concen: 2.70 ng
RT: 7.187 min Scan# 655
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion: 77 Resp: 3613
Ion Ratio Lower Upper
77 100
105 59.6 68.8 108.8#
106 66.9 47.9 87.9

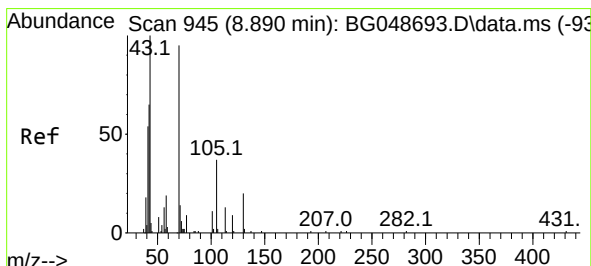
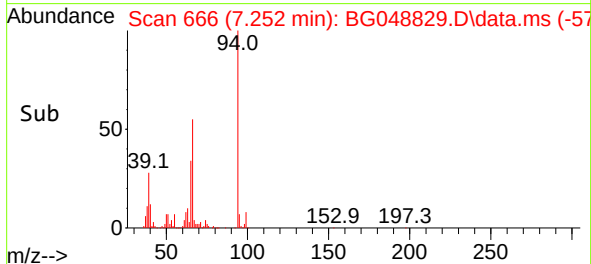
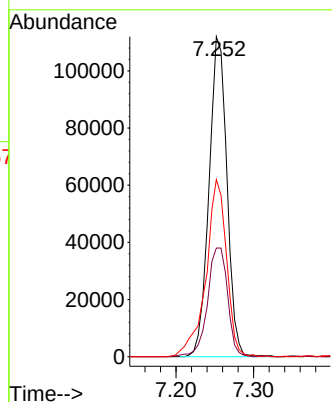
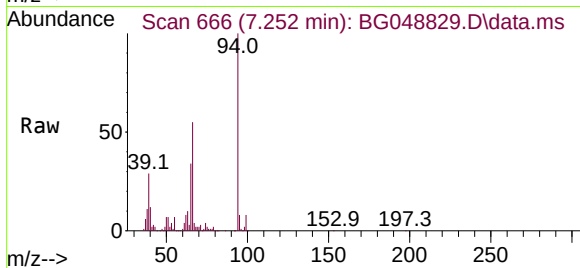




#10
Phenol
Concen: 90.39 ng
RT: 7.252 min Scan# 666
Delta R.T. 0.002 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

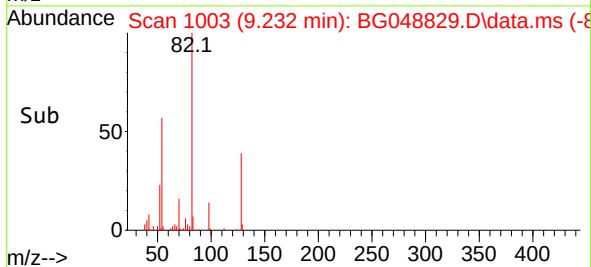
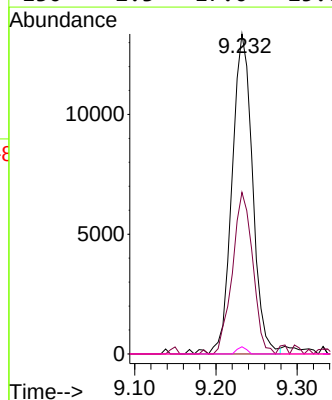
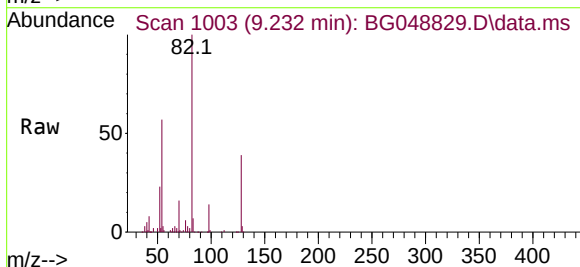
Instrument :
BNA_G
ClientSampleId :
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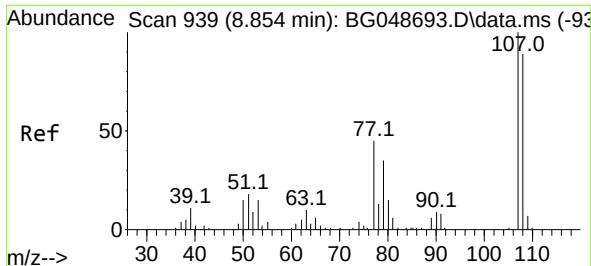
Tgt Ion: 94 Resp: 179780
Ion Ratio Lower Upper
94 100
65 34.0 12.9 52.9
66 55.4 39.4 79.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.21 ng
RT: 9.232 min Scan# 1003
Delta R.T. 0.360 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion: 70 Resp: 23490
Ion Ratio Lower Upper
70 100
42 50.5 54.5 81.7#
101 0.0 9.0 13.6#
130 2.3 17.0 25.6#

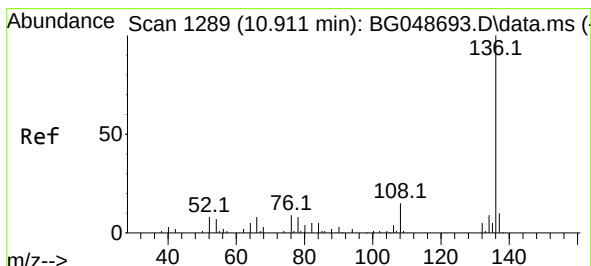
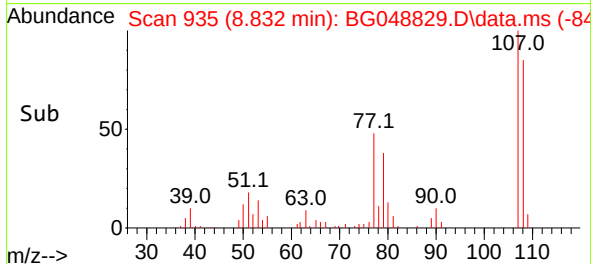
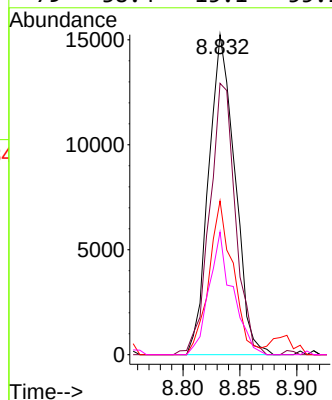
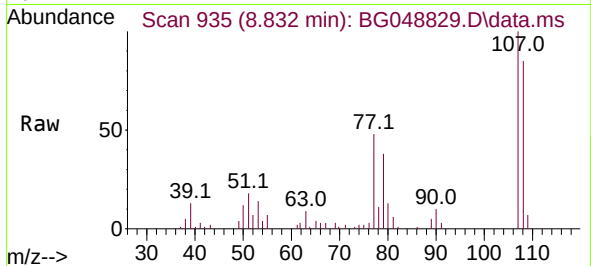




#20
3+4-Methylphenols
Concen: 13.98 ng
RT: 8.832 min Scan# 935
Delta R.T. -0.010 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

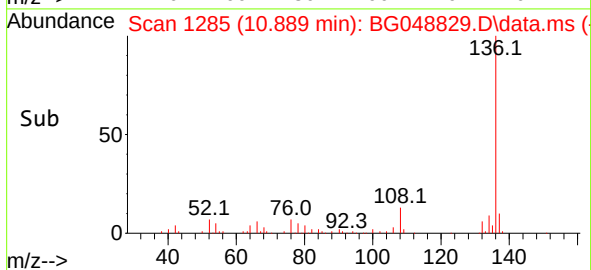
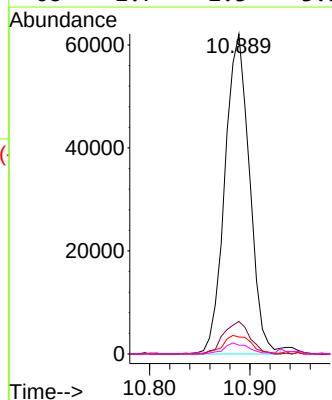
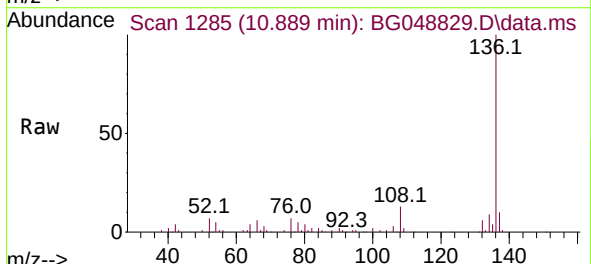
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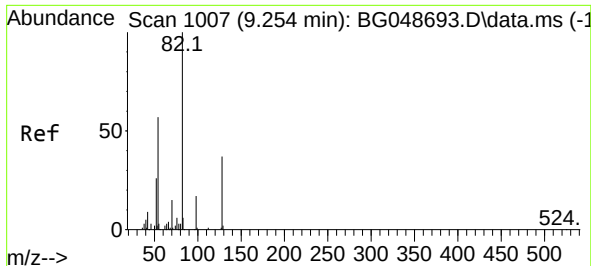
Tgt Ion:107	Resp:	24498
Ion Ratio	Lower	Upper
107	100	
108	84.8	69.3 109.3
77	48.1	25.2 65.2
79	38.4	15.1 55.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.889 min Scan# 1285
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:136	Resp:	105880
Ion Ratio	Lower	Upper
136	100	
137	10.1	8.2 12.2
54	5.3	5.5 8.3#
68	2.7	2.3 3.5

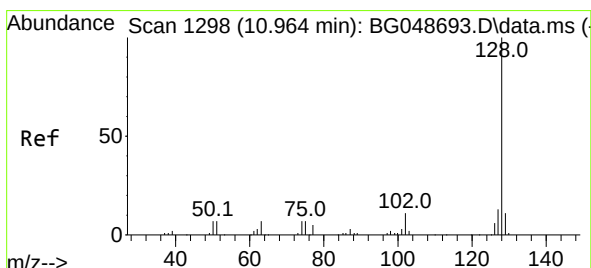
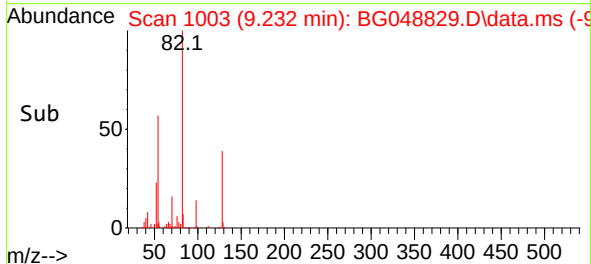
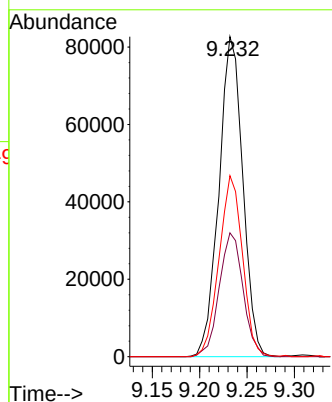
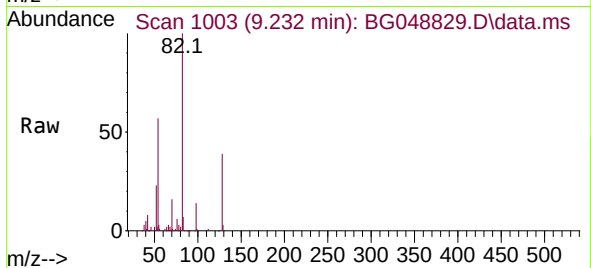




#23
Nitrobenzene-d5
Concen: 61.30 ng
RT: 9.232 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

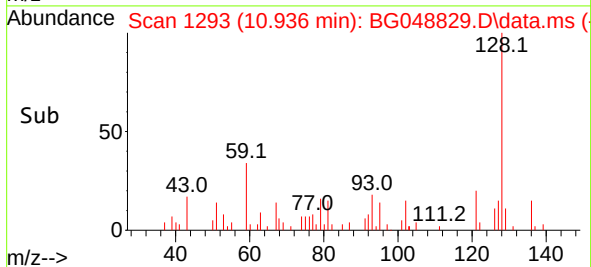
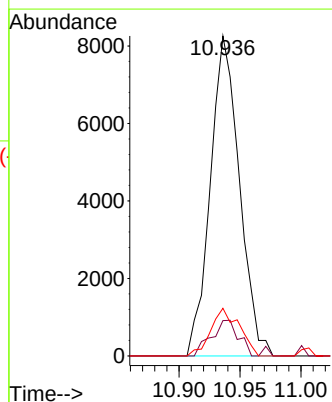
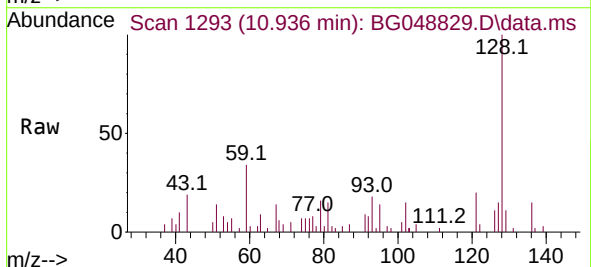
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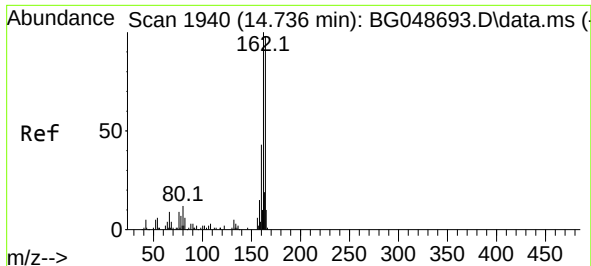
Tgt Ion: 82 Resp: 144965
Ion Ratio Lower Upper
82 100
128 38.7 29.8 44.6
54 56.6 45.8 68.8



#31
Naphthalene
Concen: 2.53 ng
RT: 10.936 min Scan# 1293
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion: 128 Resp: 13730
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 14.9 10.2 15.4

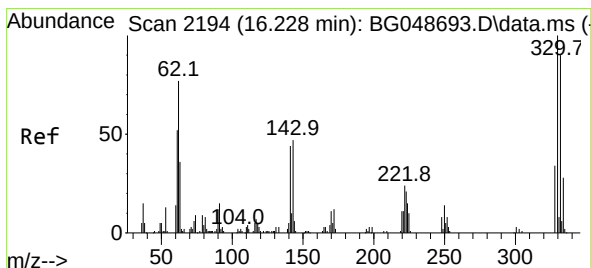
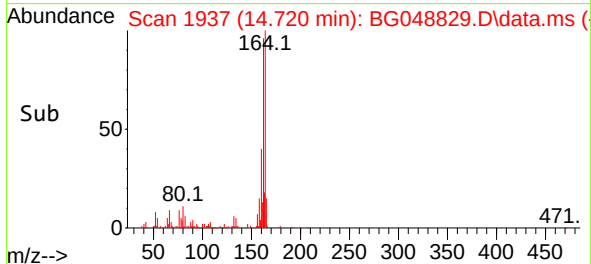
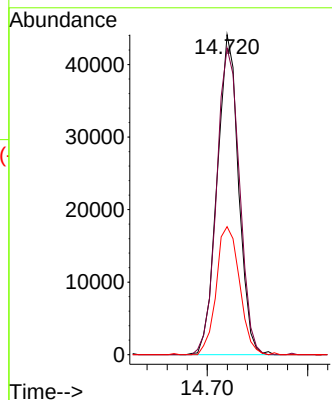
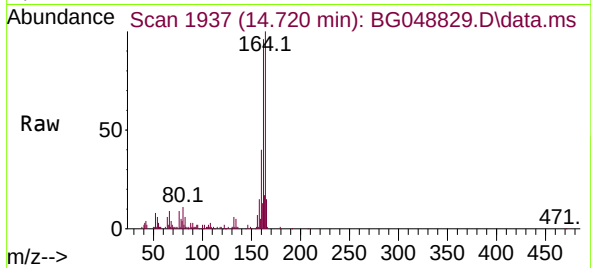




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.720 min Scan# 1937
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

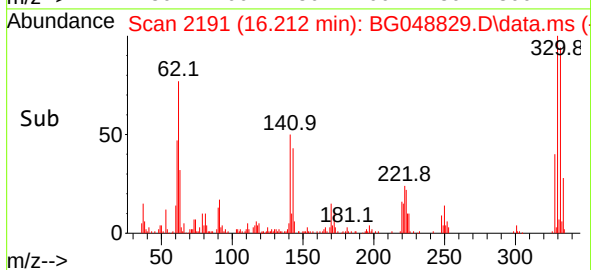
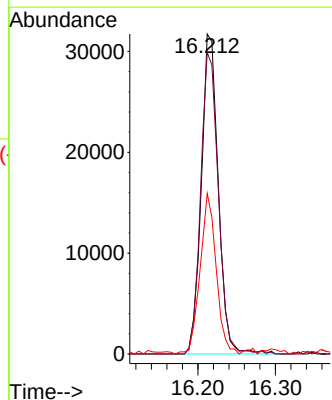
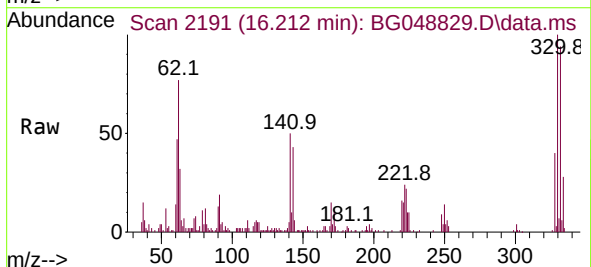
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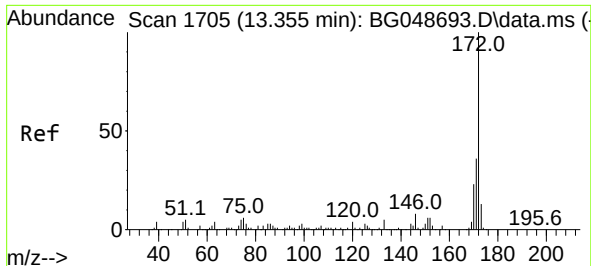
Tgt Ion:164 Resp: 65354
Ion Ratio Lower Upper
164 100
162 95.8 81.4 122.0
160 40.0 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 55.07 ng
RT: 16.212 min Scan# 2191
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:330 Resp: 48260
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 47.3 35.6 53.4

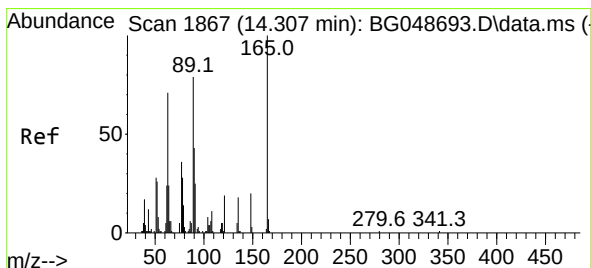
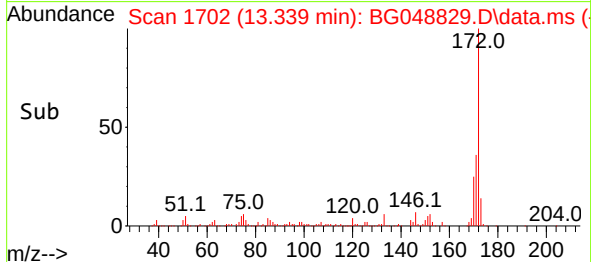
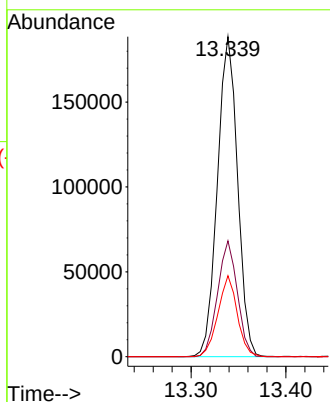
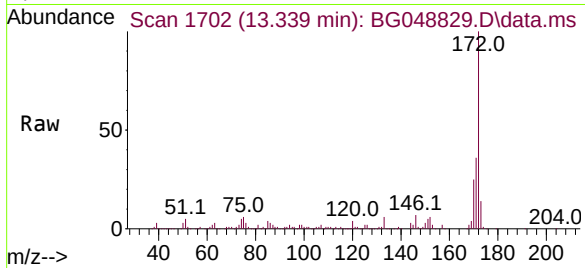




#45
2-Fluorobiphenyl
Concen: 61.64 ng
RT: 13.339 min Scan# 1702
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

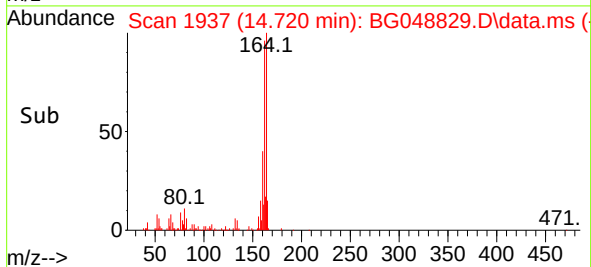
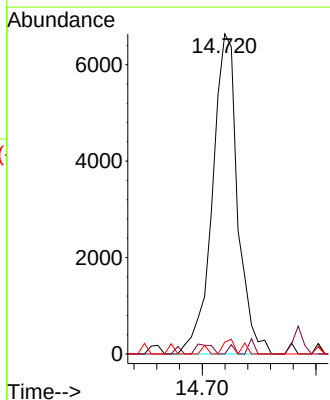
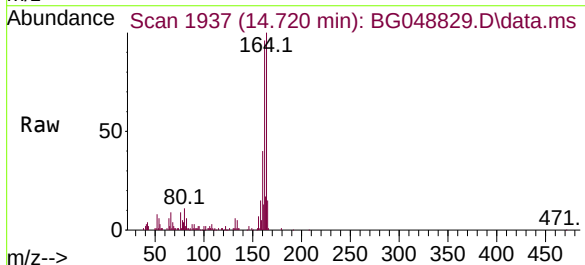
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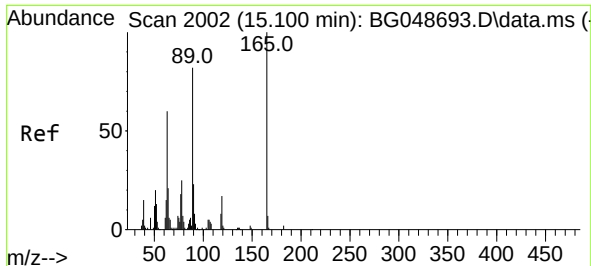
Tgt Ion:172 Resp: 278934
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 25.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.07 ng
RT: 14.720 min Scan# 1937
Delta R.T. 0.425 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:165 Resp: 10258
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 3.7 63.4 95.0#

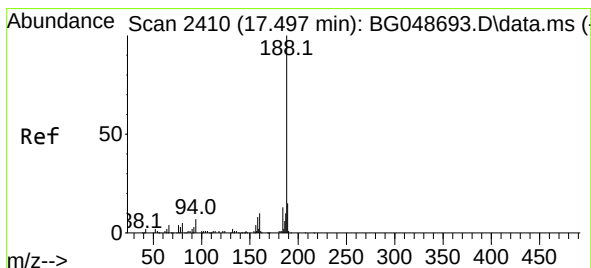
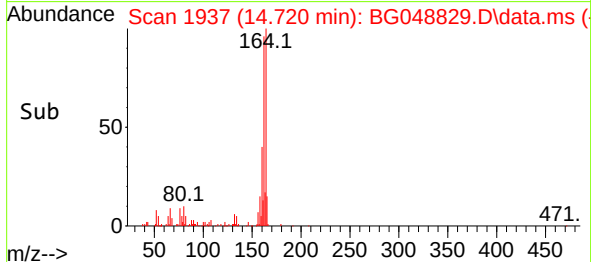
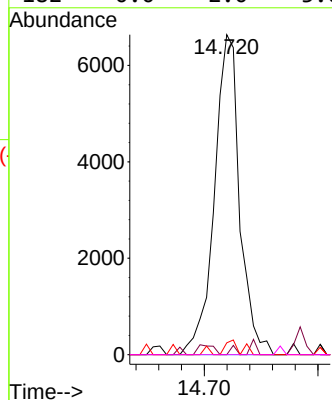
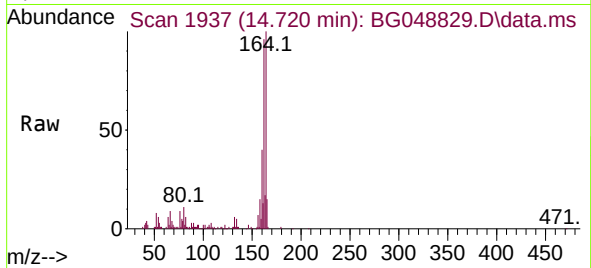




#57
2,4-Dinitrotoluene
Concen: 6.25 ng
RT: 14.720 min Scan# 1937
Delta R.T. -0.363 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

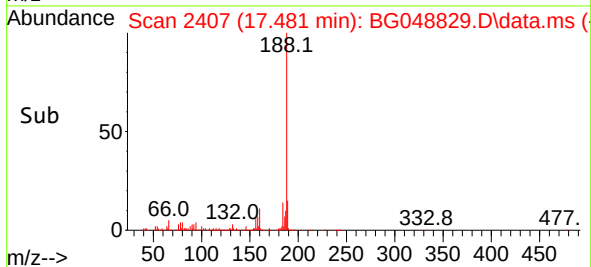
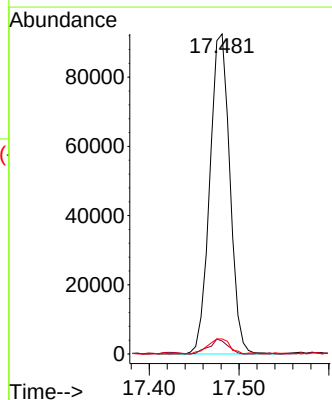
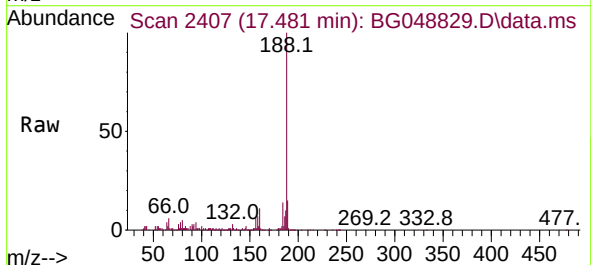
Instrument :
BNA_G
ClientSampleId :
SB-3C

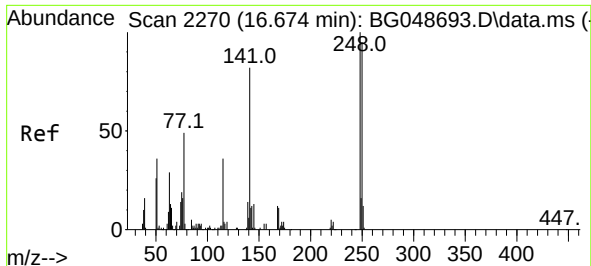
Tgt Ion:165 Resp: 10258
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 3.7 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.481 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:188 Resp: 143203
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.7 3.7 5.5

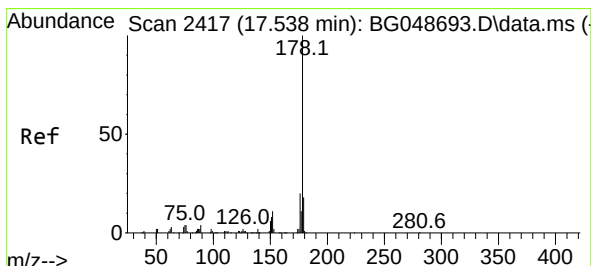
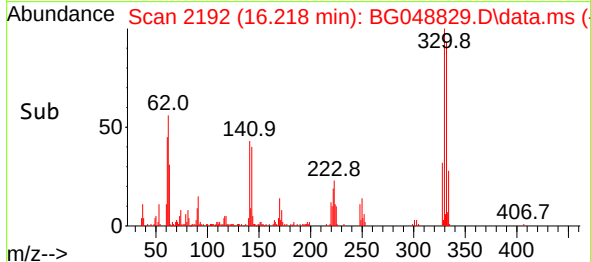
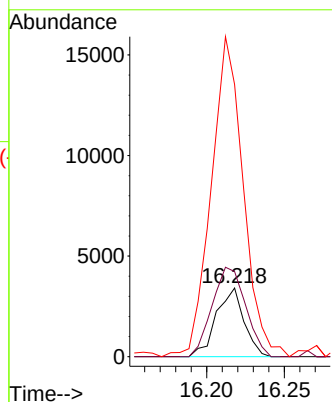
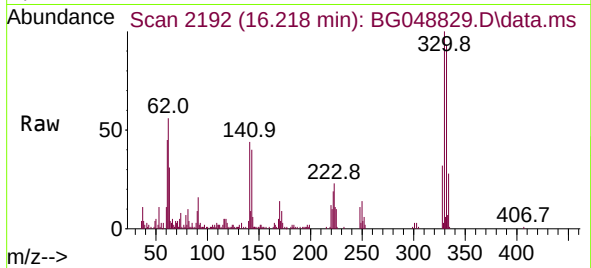




#67
4-Bromophenyl-phenylether
Concen: 2.58 ng
RT: 16.218 min Scan# 2192
Delta R.T. -0.445 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

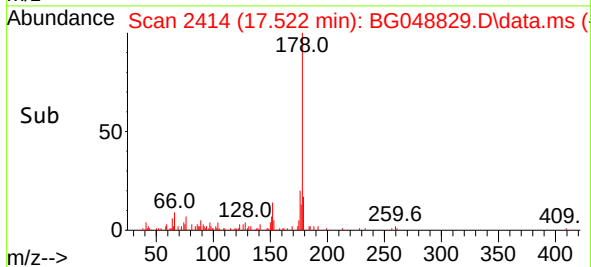
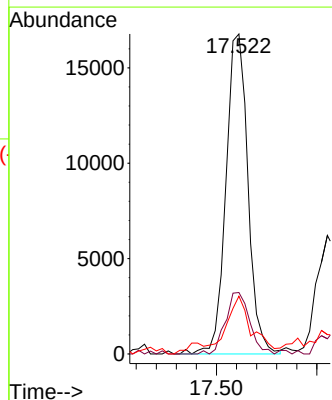
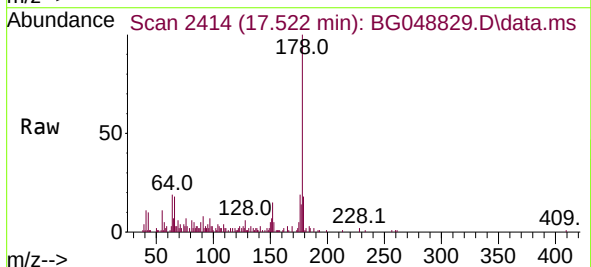
Instrument :
BNA_G
ClientSampleId :
SB-3C

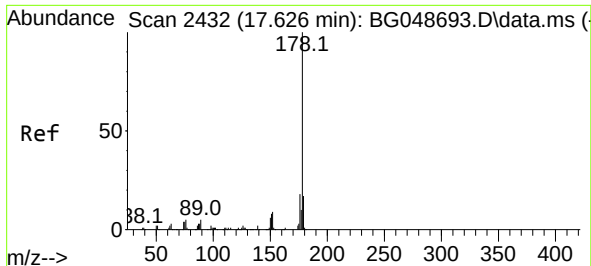
Tgt Ion:248 Resp: 4253
Ion Ratio Lower Upper
248 100
250 159.3 76.1 114.1#
141 396.9 65.4 98.2#



#71
Phenanthrene
Concen: 3.44 ng
RT: 17.522 min Scan# 2414
Delta R.T. 0.002 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:178 Resp: 25556
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 18.1 14.2 21.4

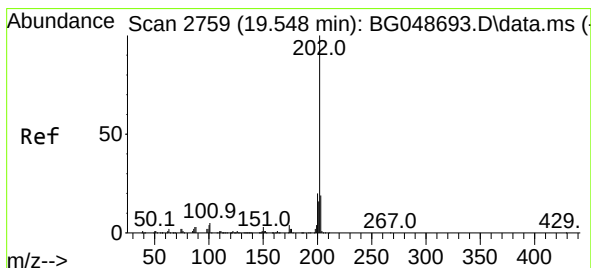
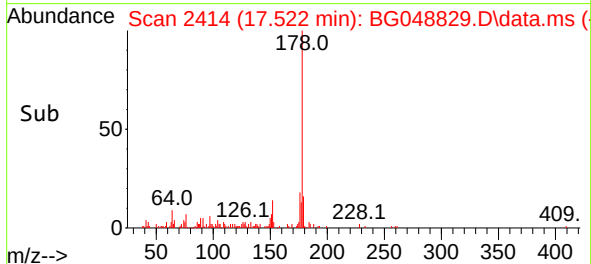
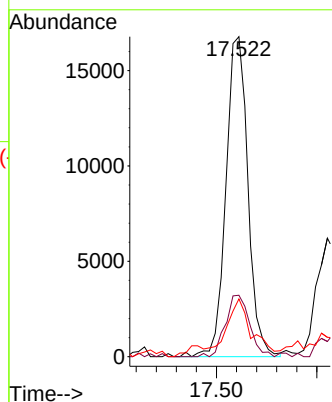
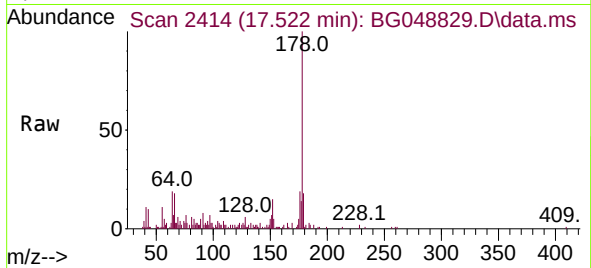




#72
 Anthracene
 Concen: 3.47 ng
 RT: 17.522 min Scan# 2414
 Delta R.T. -0.092 min
 Lab File: BG048829.D
 Acq: 21 Apr 2021 21:27

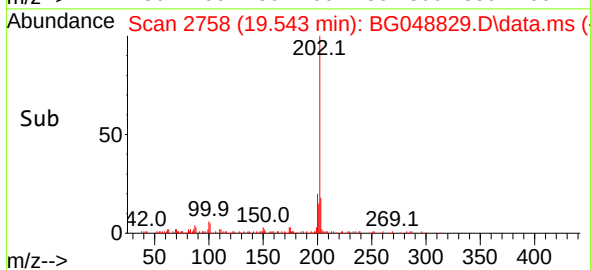
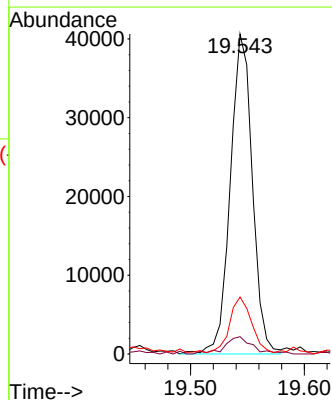
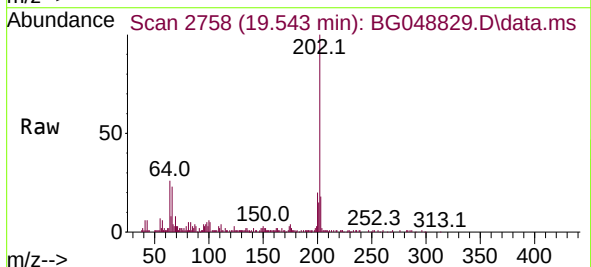
Instrument :
 BNA_G
 ClientSampleId :
 SB-3C

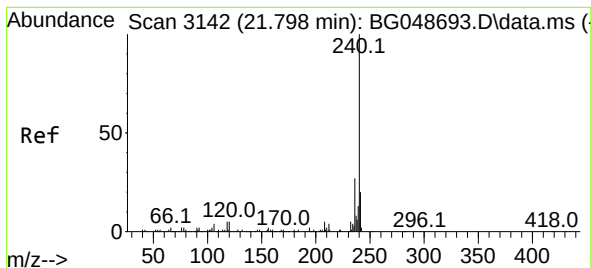
Tgt Ion:	178	Resp:	25556
Ion Ratio	Lower	Upper	
178	100		
176	19.2	14.6	21.8
179	18.1	13.4	20.0



#75
 Fluoranthene
 Concen: 5.84 ng
 RT: 19.543 min Scan# 2758
 Delta R.T. 0.007 min
 Lab File: BG048829.D
 Acq: 21 Apr 2021 21:27

Tgt Ion:	202	Resp:	54848
Ion Ratio	Lower	Upper	
202	100		
101	5.4	0.0	24.7
203	17.8	0.0	38.5

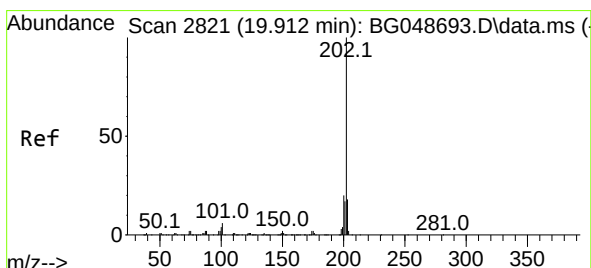
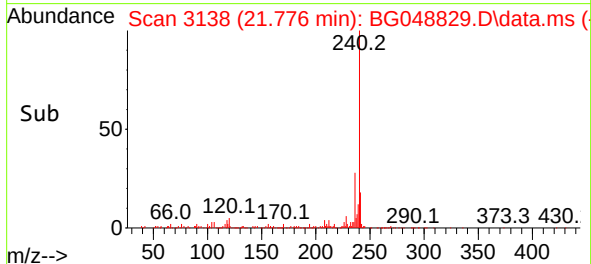
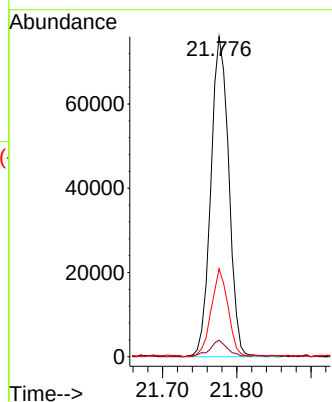
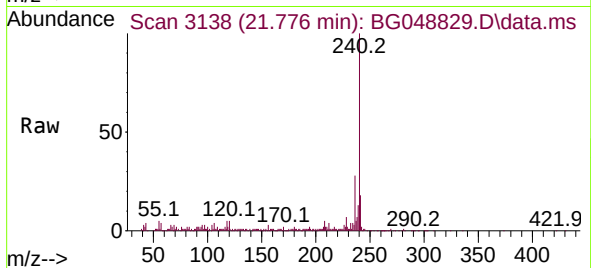




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.776 min Scan# 3138
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

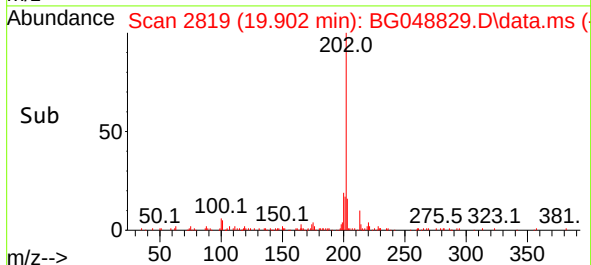
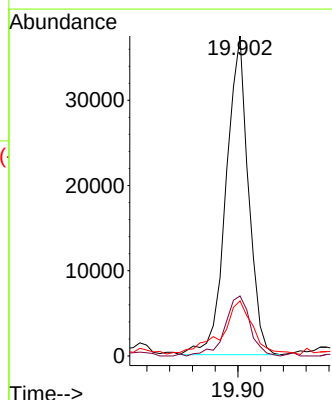
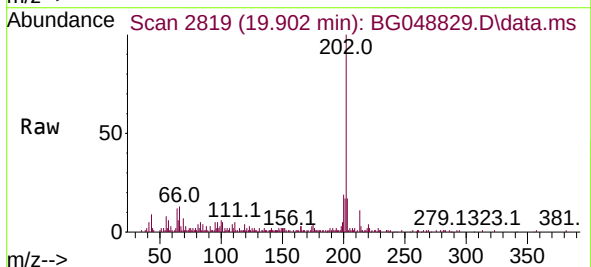
Instrument :
BNA_G
ClientSampled :
SB-3C

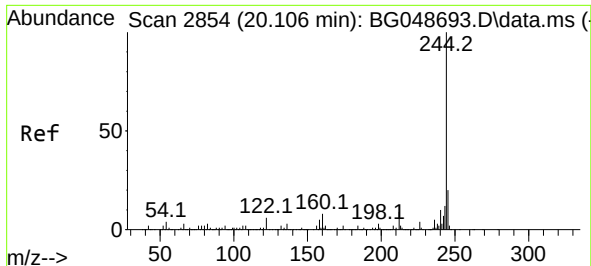
Tgt Ion:240 Resp: 127575
Ion Ratio Lower Upper
240 100
120 5.1 4.2 6.2
236 27.5 21.8 32.6



#78
Pyrene
Concen: 5.77 ng
RT: 19.902 min Scan# 2819
Delta R.T. 0.002 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:202 Resp: 50965
Ion Ratio Lower Upper
202 100
200 18.8 15.8 23.8
203 17.2 14.6 21.8

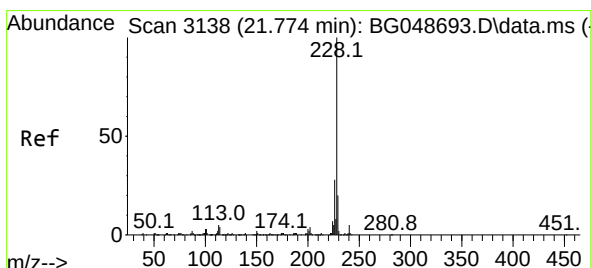
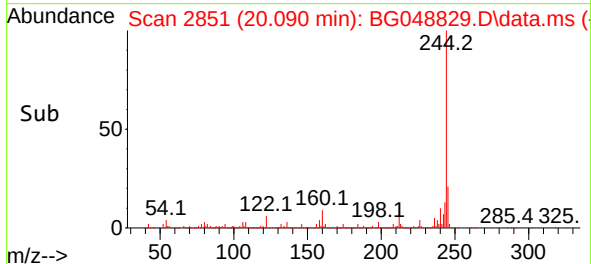
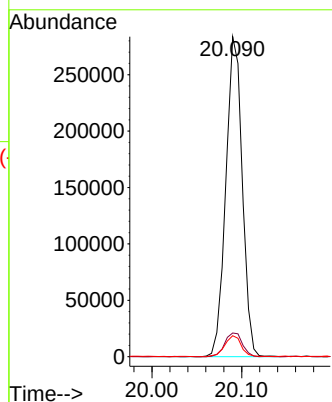
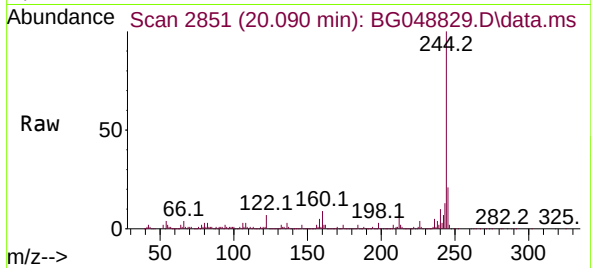




#79
 Terphenyl-d14
 Concen: 48.56 ng
 RT: 20.090 min Scan# 2851
 Delta R.T. -0.004 min
 Lab File: BG048829.D
 Acq: 21 Apr 2021 21:27

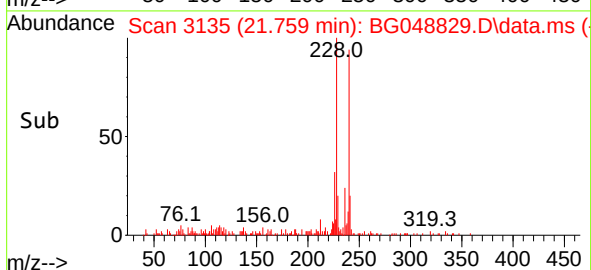
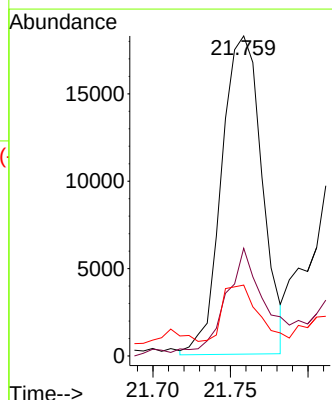
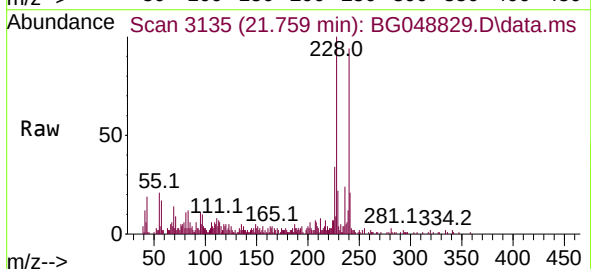
Instrument :
 BNA_G
 ClientSampled :
 SB-3C

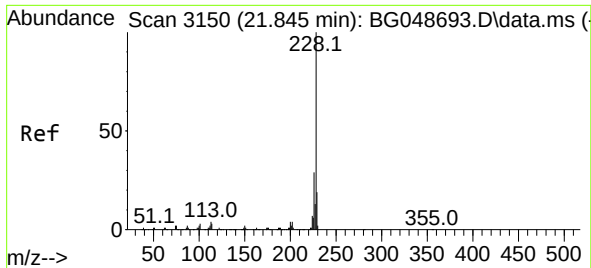
Tgt Ion:244 Resp: 359966
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.9 10.3
 122 6.5 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 3.80 ng
 RT: 21.759 min Scan# 3135
 Delta R.T. 0.002 min
 Lab File: BG048829.D
 Acq: 21 Apr 2021 21:27

Tgt Ion:228 Resp: 33088
 Ion Ratio Lower Upper
 228 100
 226 33.7 22.7 34.1
 229 22.1 16.0 24.0

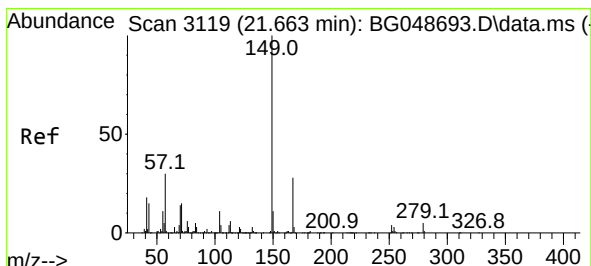
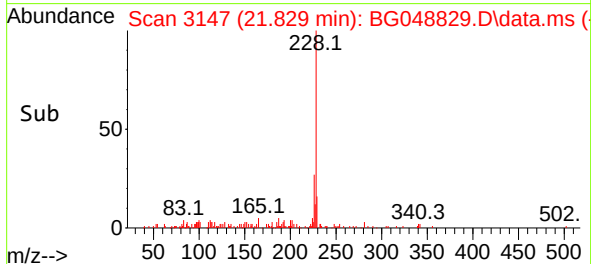
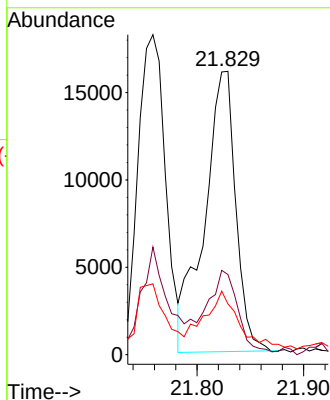
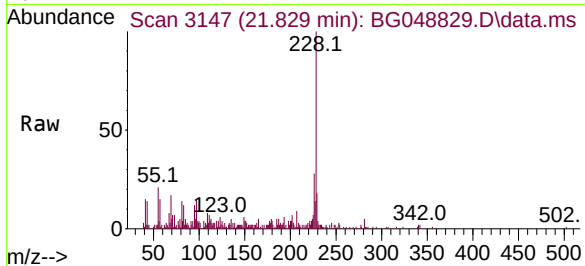




#83
Chrysene
Concen: 3.95 ng
RT: 21.829 min Scan# 3147
Delta R.T. 0.002 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

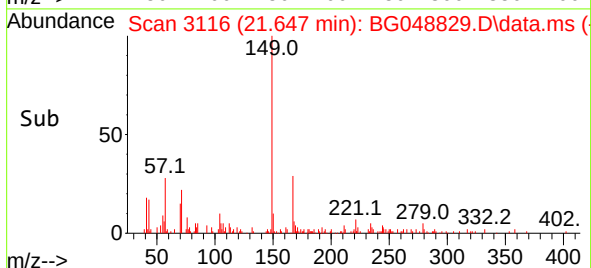
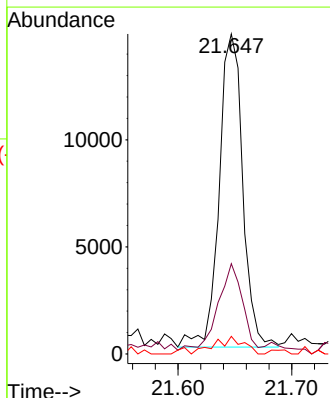
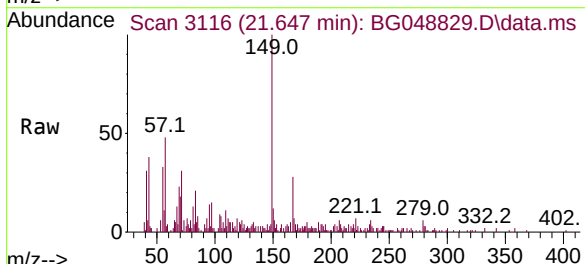
Instrument :
BNA_G
ClientSampleId :
SB-3C

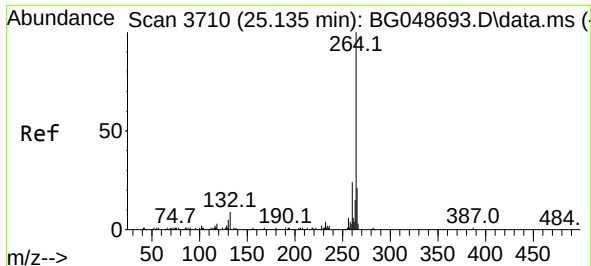
Tgt Ion:228	Resp:	32783
Ion Ratio	Lower	Upper
228	100	
226	28.3	23.1 34.7
229	17.9	15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.36 ng
RT: 21.647 min Scan# 3116
Delta R.T. 0.002 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:149	Resp:	21090
Ion Ratio	Lower	Upper
149	100	
167	28.2	22.3 33.5
279	5.5	3.8 5.8



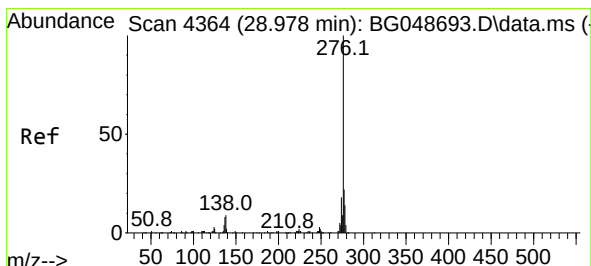
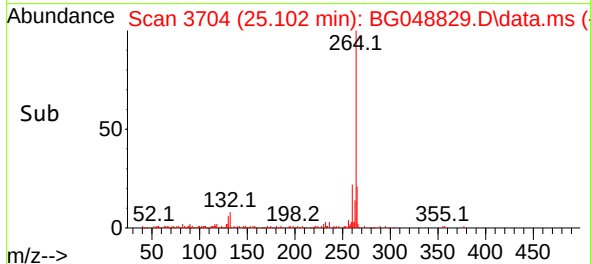
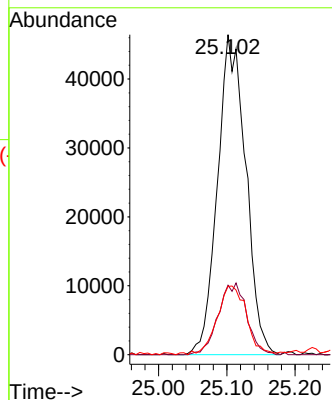
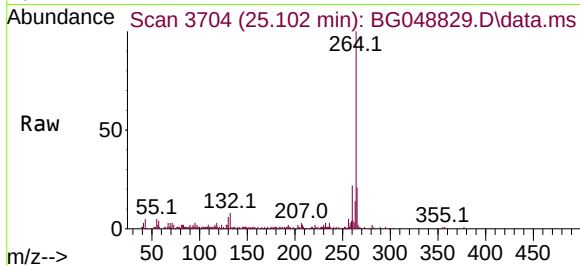


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.102 min Scan# 3704
Delta R.T. -0.010 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Instrument :
BNA_G
ClientSampled :
SB-3C

Tgt Ion:264 Resp: 133363

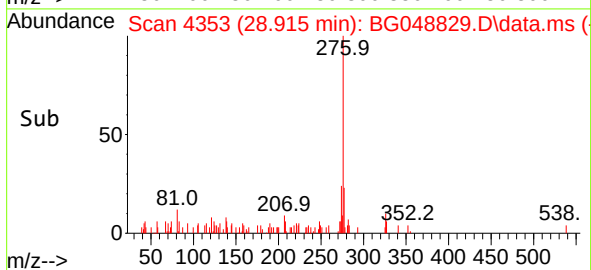
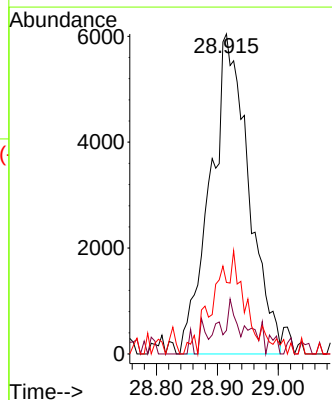
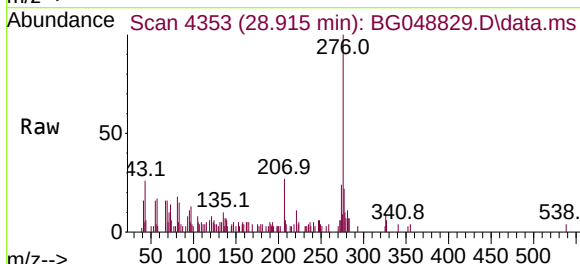
Ion	Ratio	Lower	Upper
264	100		
260	21.7	19.4	29.2
265	21.4	16.9	25.3

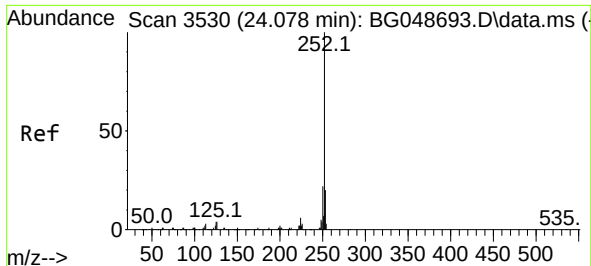


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.70 ng
RT: 28.915 min Scan# 4353
Delta R.T. -0.022 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:276 Resp: 26432

Ion	Ratio	Lower	Upper
276	100		
138	2.3	5.1	7.7#
277	4.9	19.8	29.6#

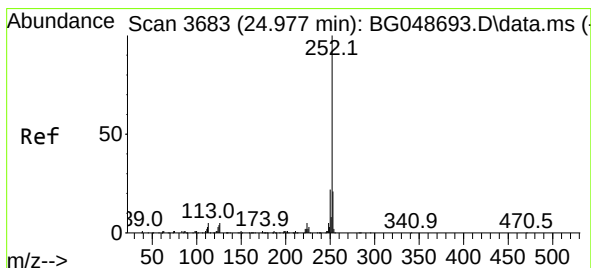
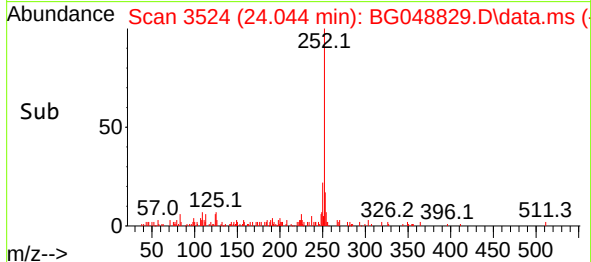
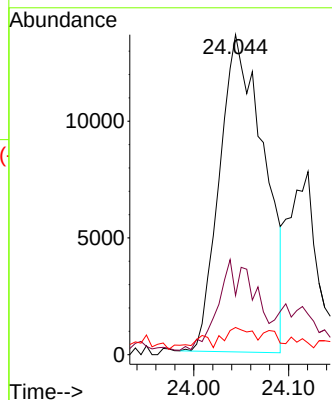
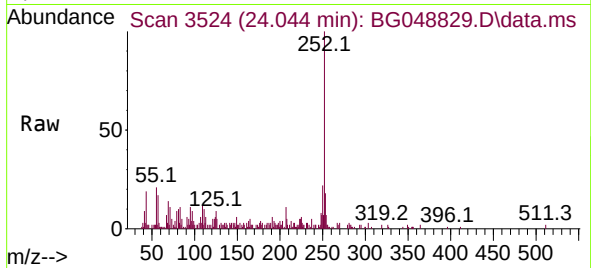




#88
Benzo(b)fluoranthene
Concen: 4.89 ng
RT: 24.044 min Scan# 3524
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

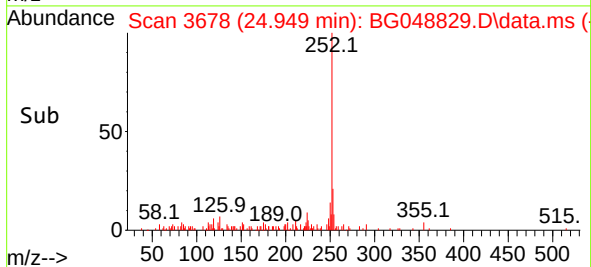
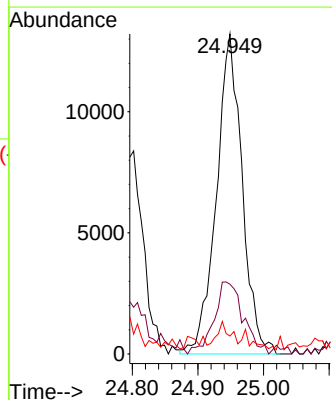
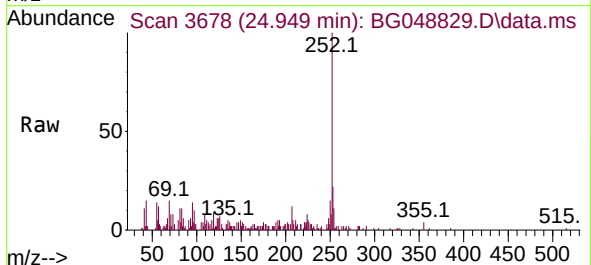
Instrument :
BNA_G
ClientSampled :
SB-3C

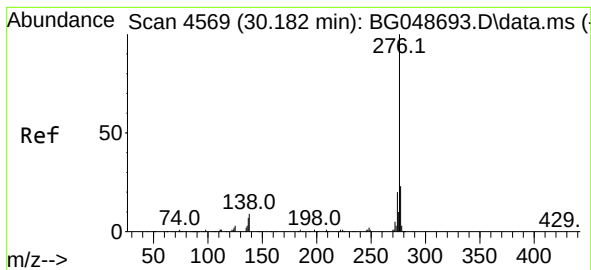
Tgt Ion:252 Resp: 44239
Ion Ratio Lower Upper
252 100
253 18.5 16.2 24.4
125 8.5 3.0 4.4#



#90
Benzo(a)pyrene
Concen: 4.31 ng
RT: 24.949 min Scan# 3678
Delta R.T. -0.004 min
Lab File: BG048829.D
Acq: 21 Apr 2021 21:27

Tgt Ion:252 Resp: 35947
Ion Ratio Lower Upper
252 100
253 21.8 16.6 25.0
125 5.6 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 3.32 ng
 RT: 30.131 min Scan# 4560
 Delta R.T. 0.002 min
 Lab File: BG048829.D
 Acq: 21 Apr 2021 21:27

Instrument :
 BNA_G
 ClientSampleId :
 SB-3C

Tgt Ion:276 Resp: 27527
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.4 27.6
 138 12.1 7.0 10.6#

