

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041524\
 Data File : BG060901.D
 Acq On : 15 Apr 2024 14:28
 Operator : MA/JU
 Sample : PB160246BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB160246BL

Quant Time: Apr 15 15:22:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

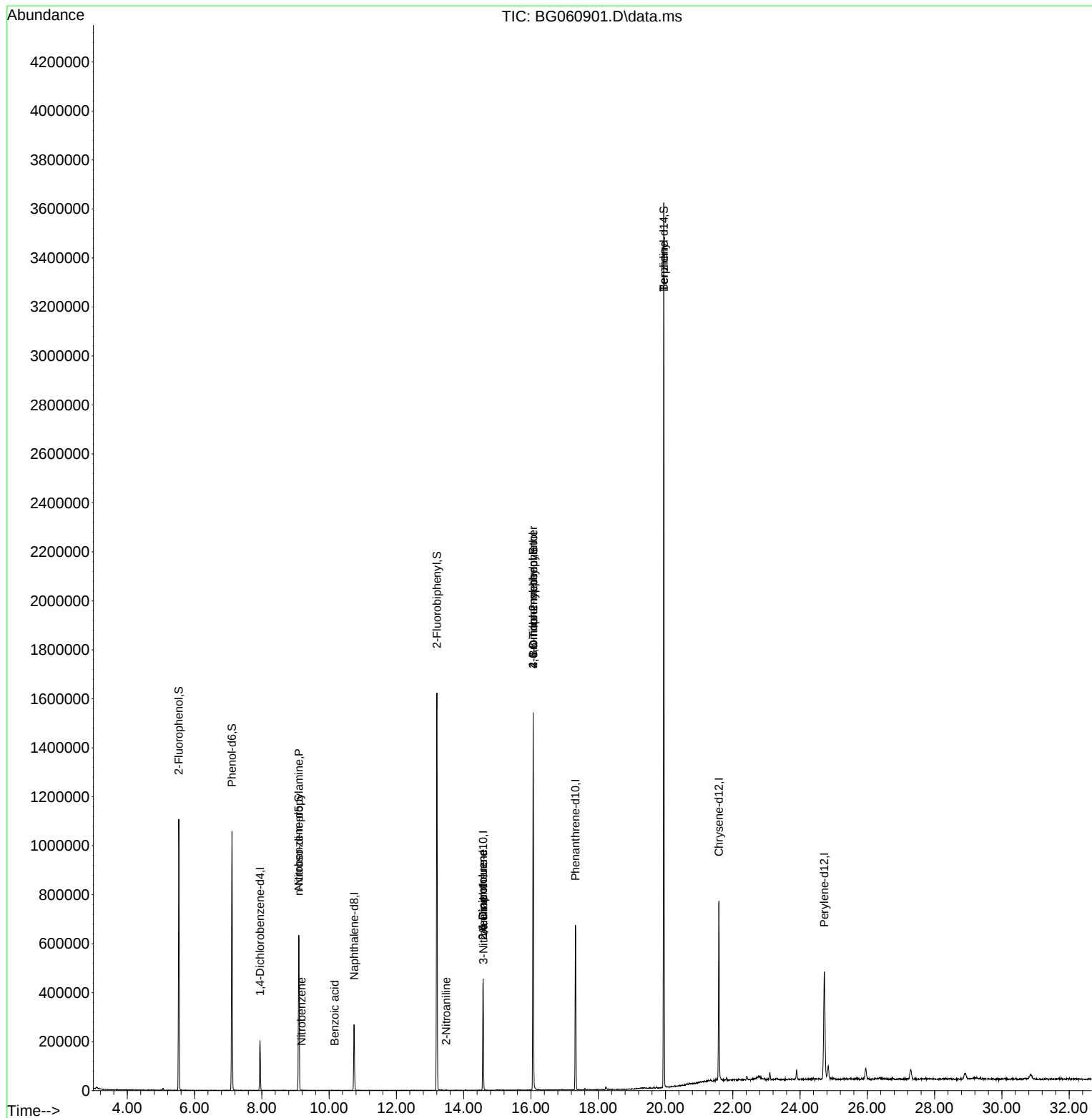
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	52519	20.000	ng	-0.01
21) Naphthalene-d8	10.743	136	215405	20.000	ng	-0.01
39) Acenaphthene-d10	14.580	164	168337	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	438856	20.000	ng	-0.01
76) Chrysene-d12	21.589	240	441864	20.000	ng	-0.01
86) Perylene-d12	24.721	264	497987	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	412421	130.819	ng	0.00
7) Phenol-d6	7.112	99	531131	113.497	ng	0.00
23) Nitrobenzene-d5	9.098	82	346467	91.780	ng	-0.01
42) 2,4,6-Tribromophenol	16.067	330	305757	160.007	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	857816	74.788	ng	-0.01
79) Terphenyl-d14	19.950	244	1856660	73.988	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.104	70	46041	12.901	ng	# 75
24) Nitrobenzene	9.181	77	68	2.788	ng	# 42
32) Benzoic acid	10.168	122	54	6.856	ng	# 1
48) 2-Nitroaniline	13.481	65	62	2.813	ng	# 11
51) 2,6-Dinitrotoluene	14.574	165	21156	11.728	ng	# 18
53) 3-Nitroaniline	14.586	138	62	2.873	ng	# 1
57) 2,4-Dinitrotoluene	14.574	165	21156	9.881	ng	# 19
65) 4,6-Dinitro-2-methylph...	16.067	198	679	7.354	ng	# 1
67) 4-Bromophenyl-phenylether	16.067	248	20478	4.598	ng	# 1
77) Benzidine	19.950	184	28626	2.460	ng	# 90

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

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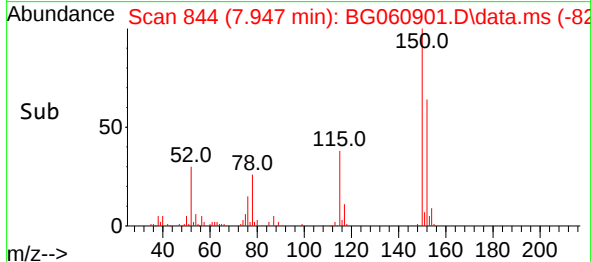
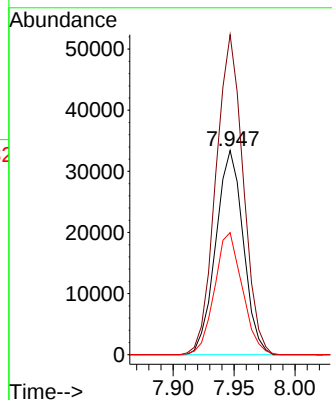
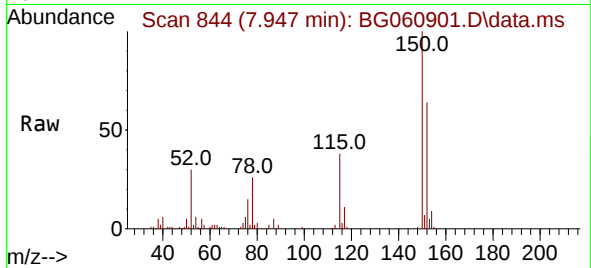




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 846
Delta R.T. -0.014 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

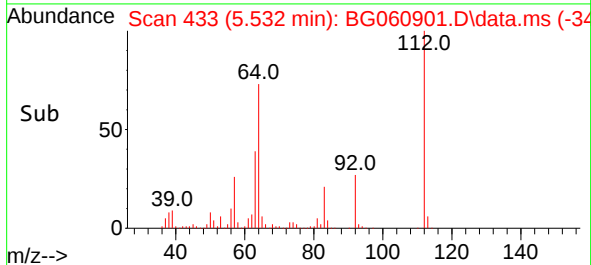
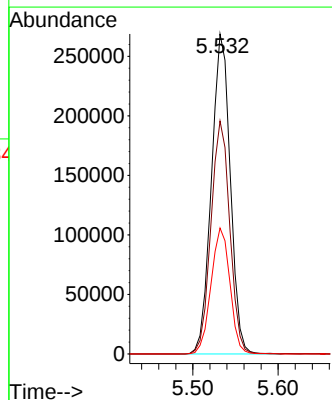
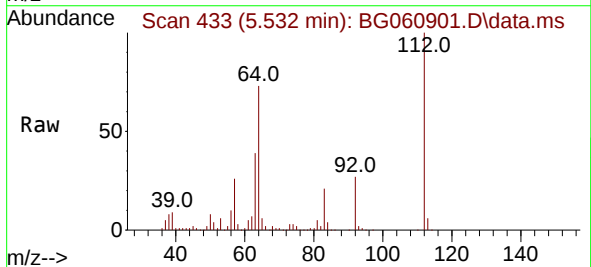
Instrument :
BNA_G
ClientSampleId :
PB160246BL

Tgt Ion:152 Resp: 52519
Ion Ratio Lower Upper
152 100
150 156.8 130.2 195.4
115 59.8 51.6 77.4



#5
2-Fluorophenol
Concen: 130.819 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.003 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion:112 Resp: 412421
Ion Ratio Lower Upper
112 100
64 72.8 58.4 87.6
63 39.3 32.7 49.1

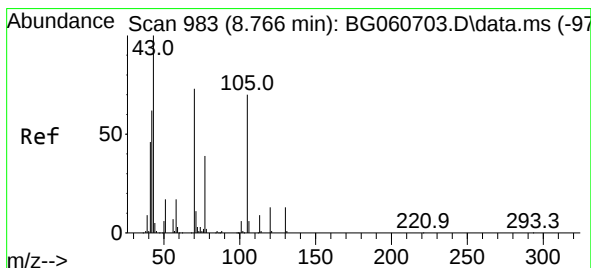
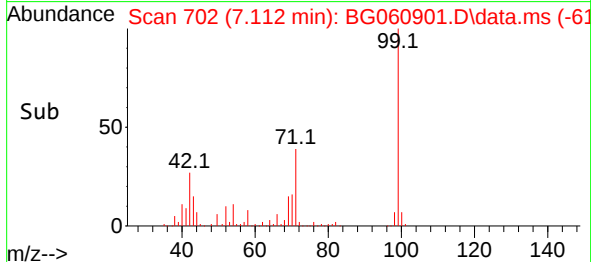
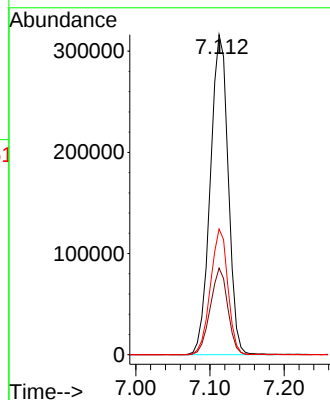
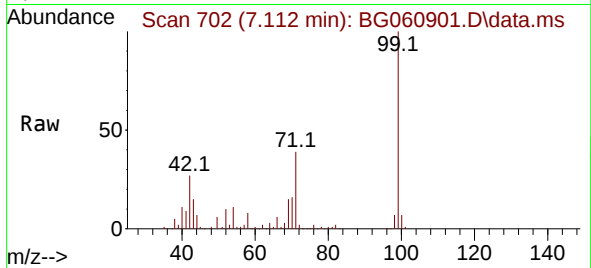




#7
Phenol-d6
Concen: 113.497 ng
RT: 7.112 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

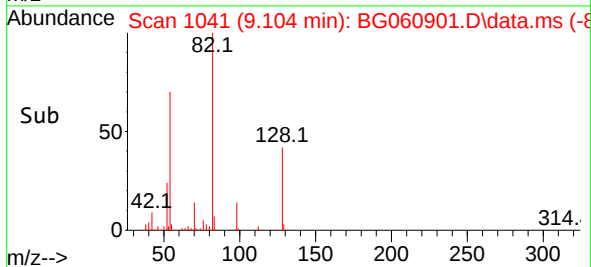
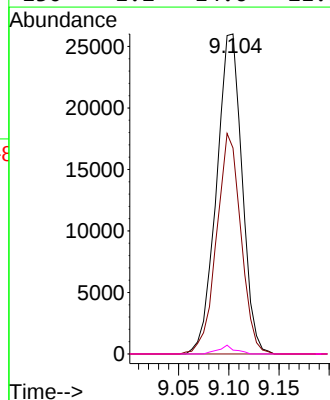
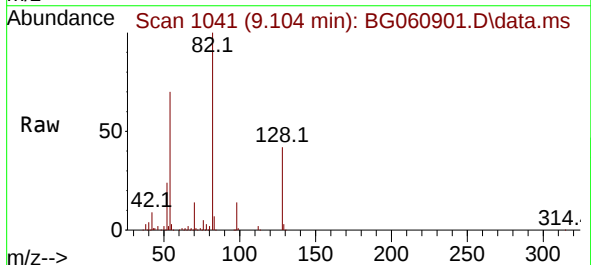
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ClientSampleId :
PB160246BL

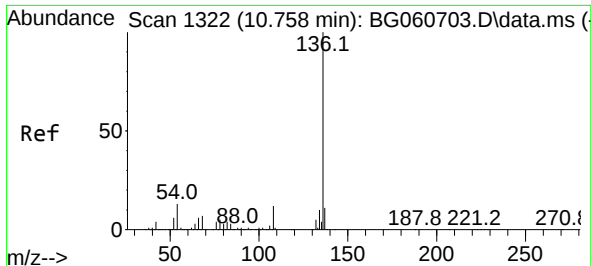
Tgt Ion: 99 Resp: 531131
Ion Ratio Lower Upper
99 100
42 27.0 19.4 29.2
71 39.3 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.901 ng
RT: 9.104 min Scan# 1041
Delta R.T. 0.338 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion: 70 Resp: 46041
Ion Ratio Lower Upper
70 100
42 64.4 68.4 102.6#
101 0.0 6.1 9.1#
130 1.2 14.6 21.8#

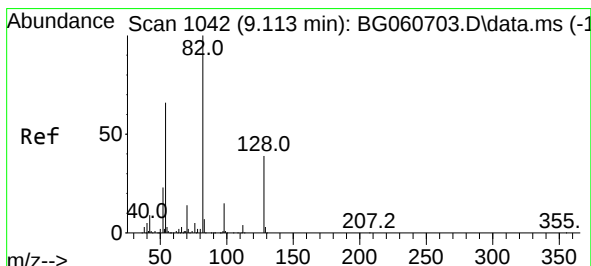
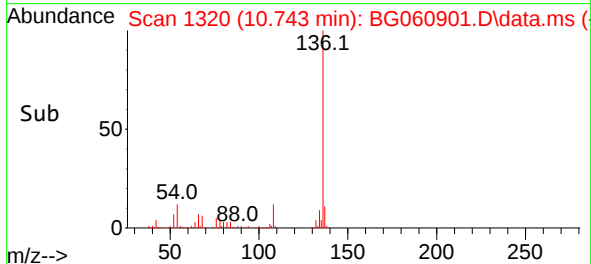
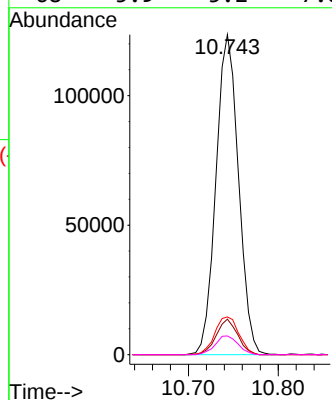
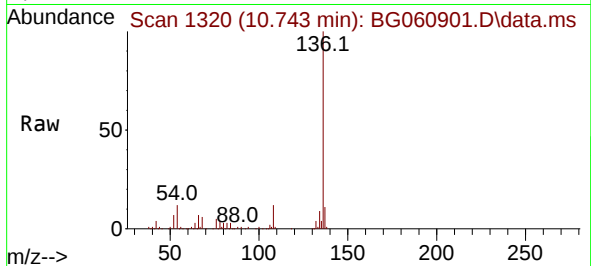




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

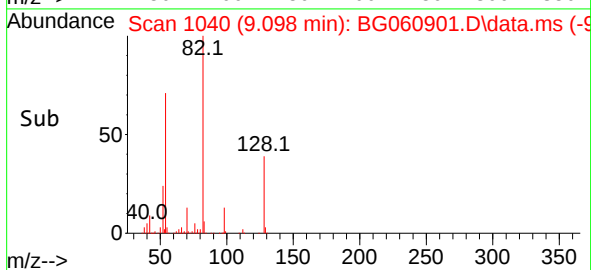
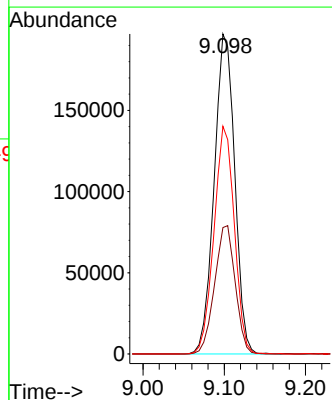
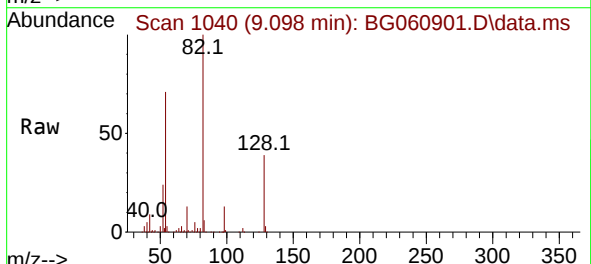
Instrument :
BNA_G
ClientSampleId :
PB160246BL

Tgt Ion:	136	Resp:	215405
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	11.8	10.2	15.2
68	5.9	5.2	7.8



#23
Nitrobenzene-d5
Concen: 91.780 ng
RT: 9.098 min Scan# 1040
Delta R.T. -0.015 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion:	82	Resp:	346467
Ion	Ratio	Lower	Upper
82	100		
128	39.5	31.2	46.8
54	71.2	53.2	79.8

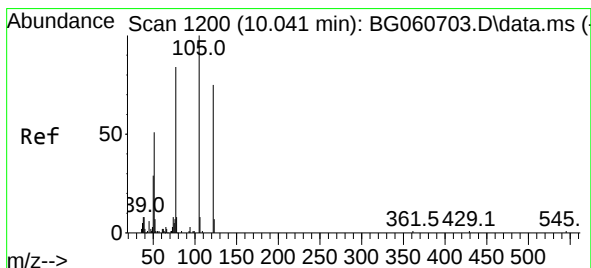
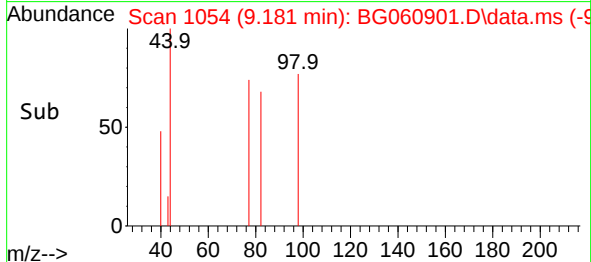
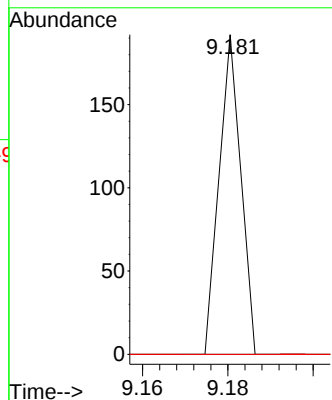
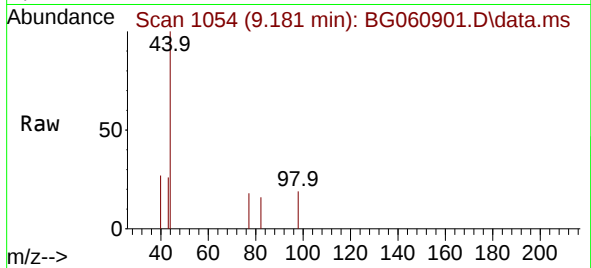




#24
Nitrobenzene
Concen: 2.788 ng
RT: 9.181 min Scan# 1054
Delta R.T. 0.027 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

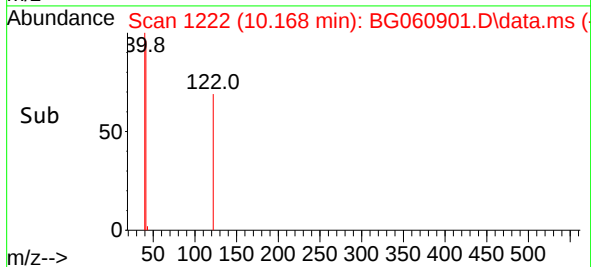
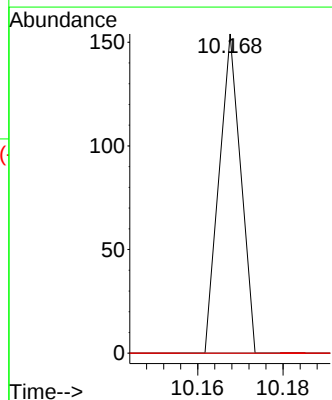
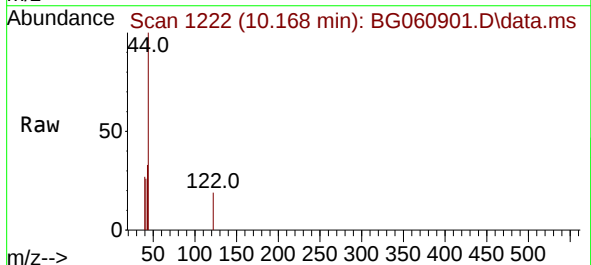
Instrument :
BNA_G
ClientSampleId :
PB160246BL

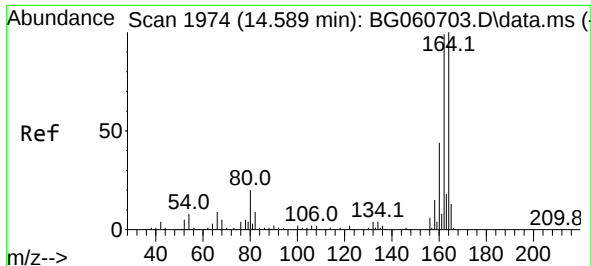
Tgt Ion: 77 Resp: 68
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 0.0 11.3 16.9#



#32
Benzoic acid
Concen: 6.856 ng
RT: 10.168 min Scan# 1222
Delta R.T. 0.127 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#

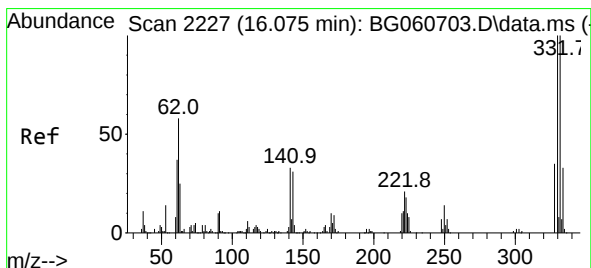
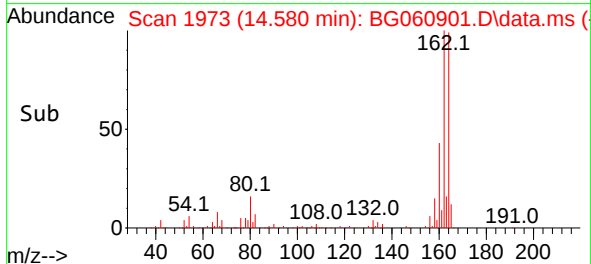
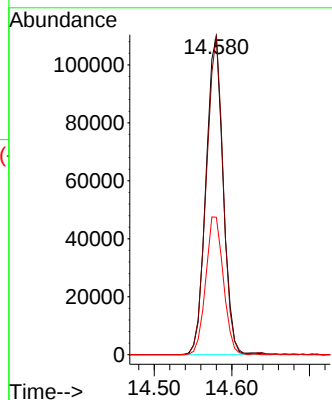
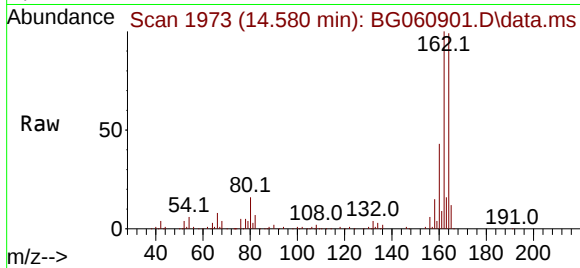




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.580 min Scan# 1974
 Delta R.T. -0.009 min
 Lab File: BG060901.D
 Acq: 15 Apr 2024 14:28

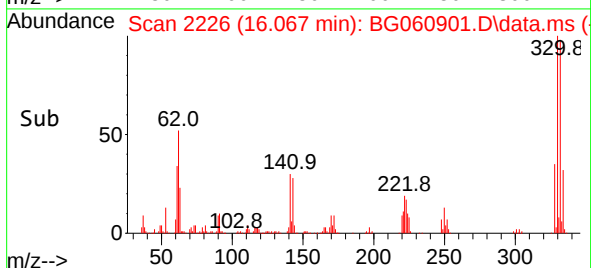
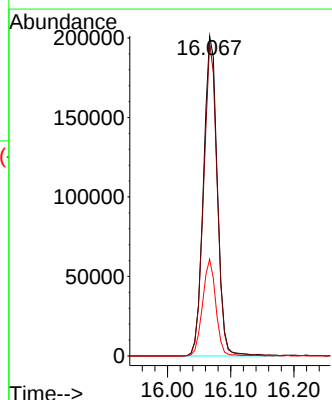
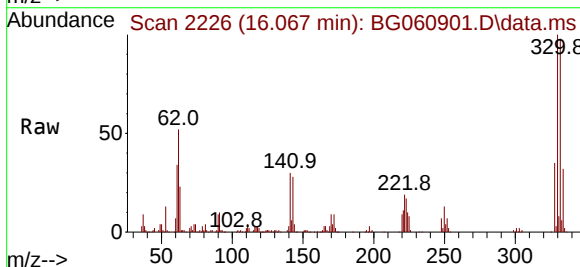
Instrument :
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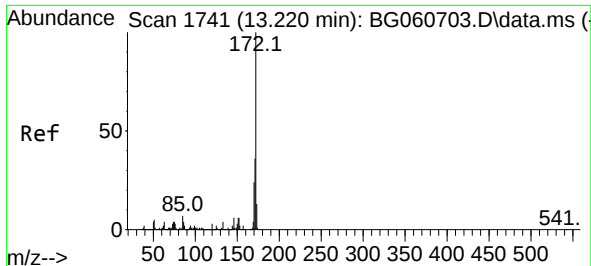
Tgt Ion:164 Resp: 168337
 Ion Ratio Lower Upper
 164 100
 162 100.6 79.5 119.3
 160 43.2 35.4 53.0



#42
 2,4,6-Tribromophenol
 Concen: 160.007 ng
 RT: 16.067 min Scan# 2226
 Delta R.T. -0.009 min
 Lab File: BG060901.D
 Acq: 15 Apr 2024 14:28

Tgt Ion:330 Resp: 305757
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.2 117.4
 141 28.7 27.0 40.6

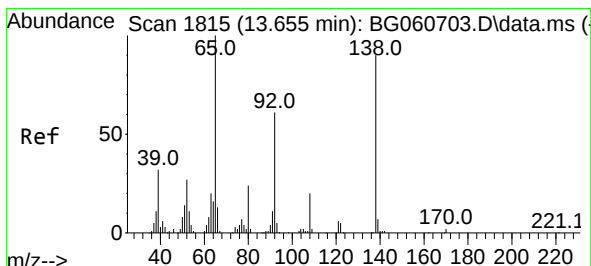
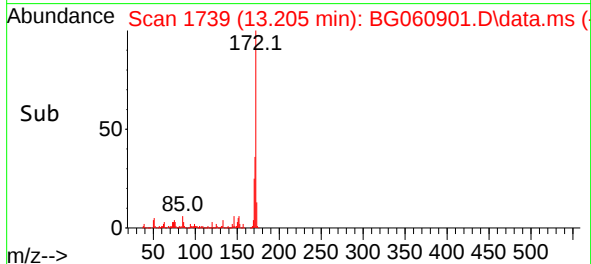
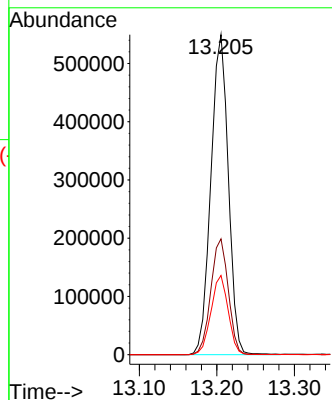
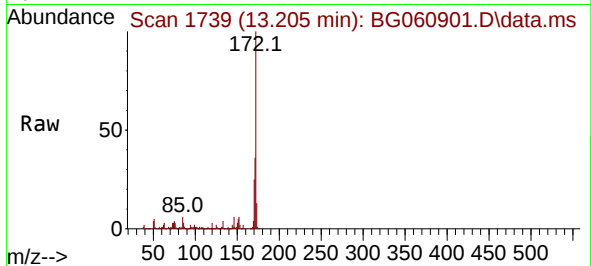




#45
2-Fluorobiphenyl
Concen: 74.788 ng
RT: 13.205 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

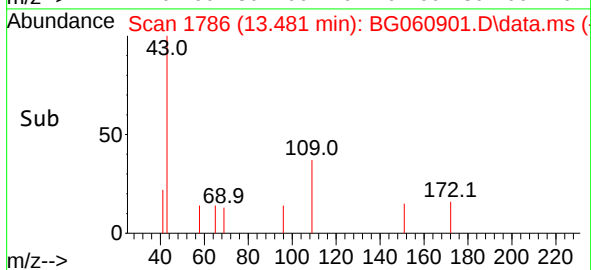
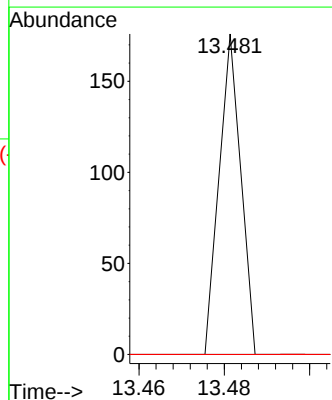
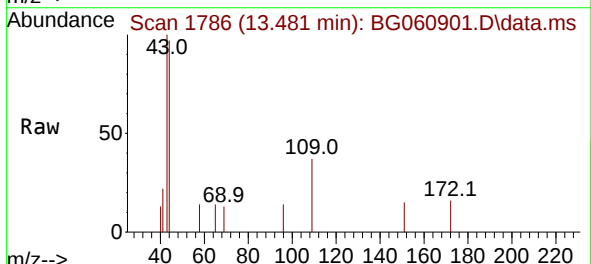
Instrument :
BNA_G
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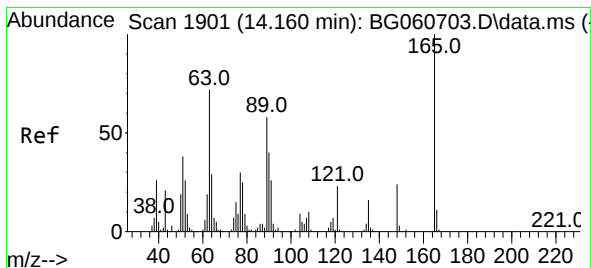
Tgt Ion:172 Resp: 857816
Ion Ratio Lower Upper
172 100
171 36.2 28.7 43.1
170 24.8 19.4 29.0



#48
2-Nitroaniline
Concen: 2.813 ng
RT: 13.481 min Scan# 1786
Delta R.T. -0.174 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#

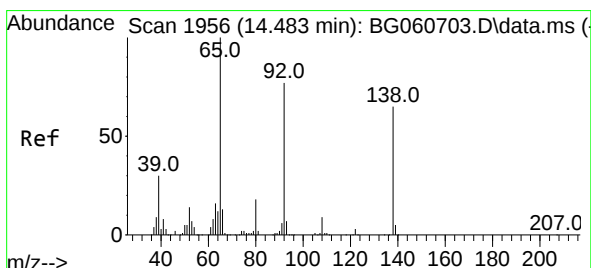
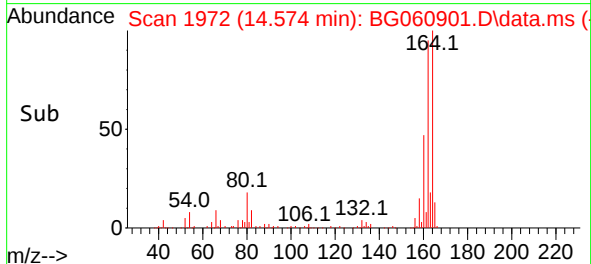
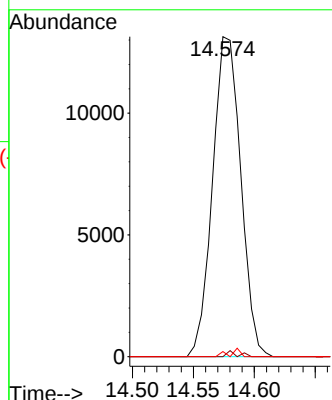
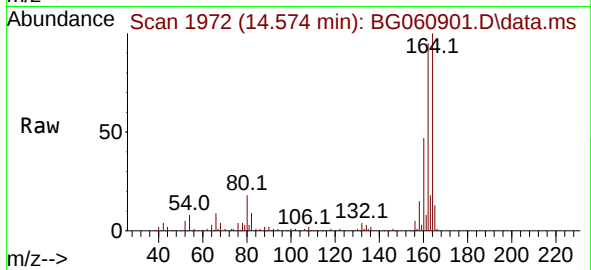




#51
2,6-Dinitrotoluene
Concen: 11.728 ng
RT: 14.574 min Scan# 1901
Delta R.T. 0.414 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

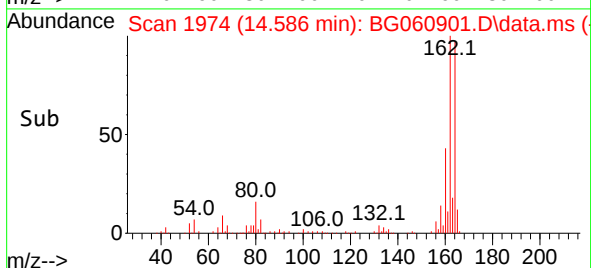
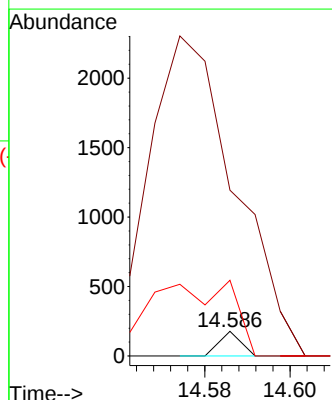
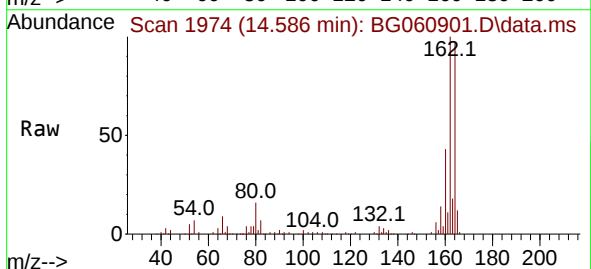
Instrument :
BNA_G
ClientSampleId :
PB160246BL

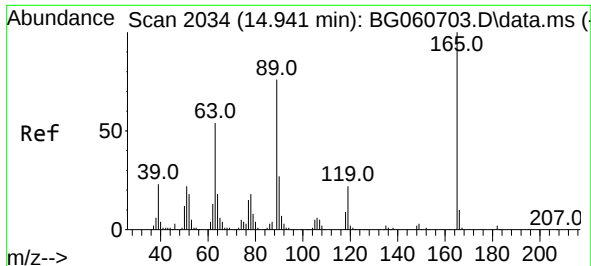
Tgt Ion:165 Resp: 21156
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.4#
89 1.6 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.873 ng
RT: 14.586 min Scan# 1974
Delta R.T. 0.103 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion:138 Resp: 62
Ion Ratio Lower Upper
138 100
108 674.6 11.3 16.9#
92 307.9 94.1 141.1#

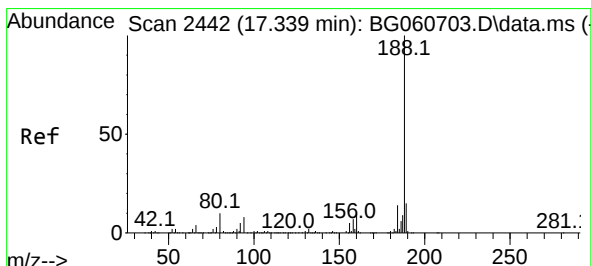
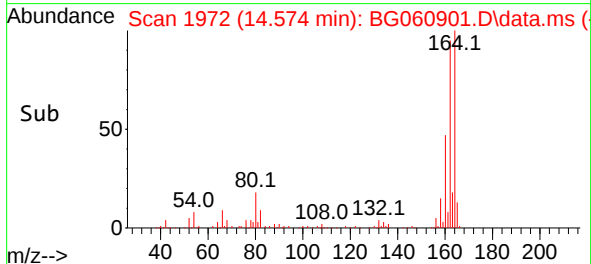
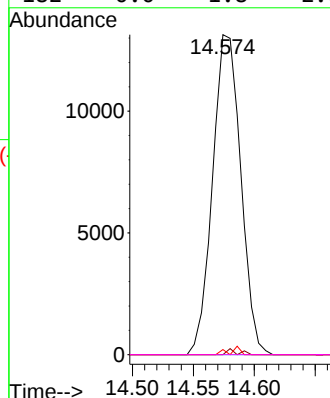
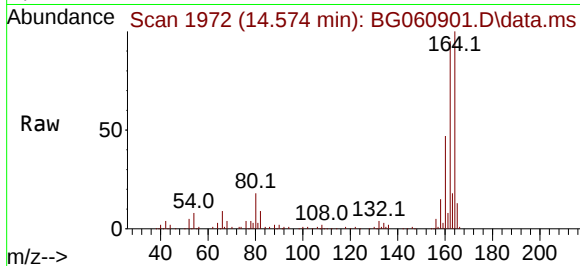




#57
2,4-Dinitrotoluene
Concen: 9.881 ng
RT: 14.574 min Scan# 1972
Delta R.T. -0.367 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

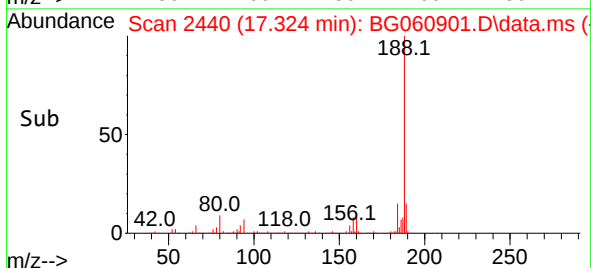
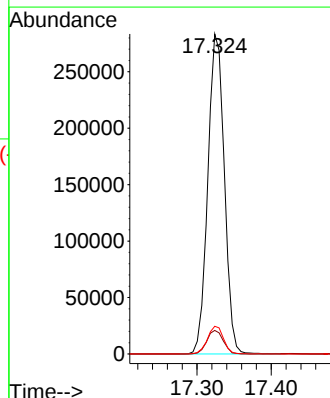
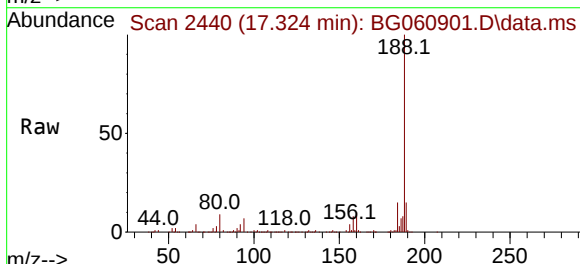
Instrument :
BNA_G
ClientSampleId :
PB160246BL

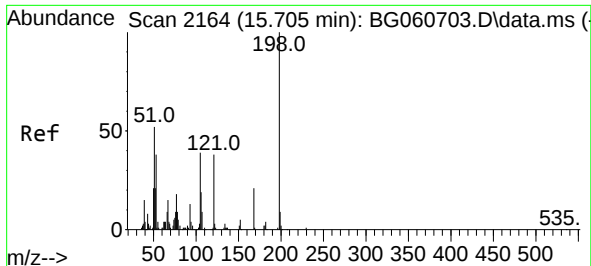
Tgt Ion:	165	Resp:	21156
Ion Ratio	Lower	Upper	
165	100		
63	0.0	43.4	65.0#
89	1.6	61.0	91.6#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2440
Delta R.T. -0.015 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion:	188	Resp:	438856
Ion Ratio	Lower	Upper	
188	100		
94	7.4	6.6	9.8
80	8.7	7.6	11.4

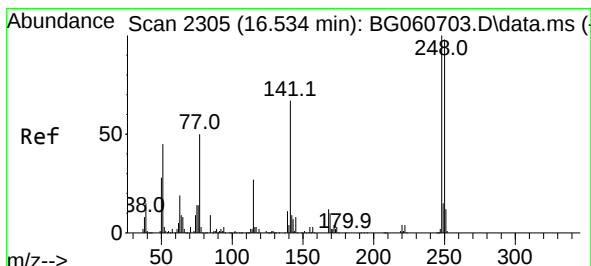
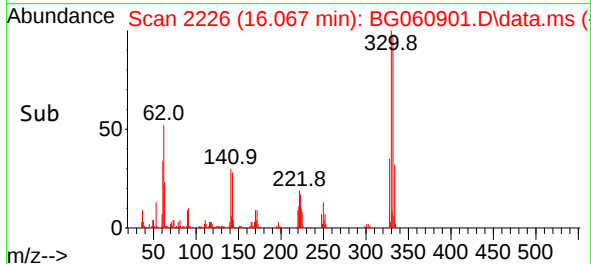
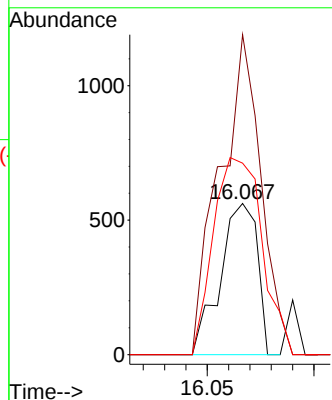
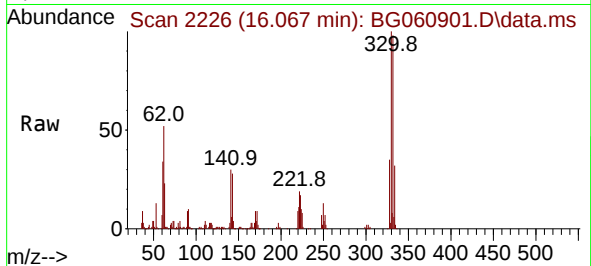




#65
4,6-Dinitro-2-methylphenol
Concen: 7.354 ng
RT: 16.067 min Scan# 2164
Delta R.T. 0.362 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

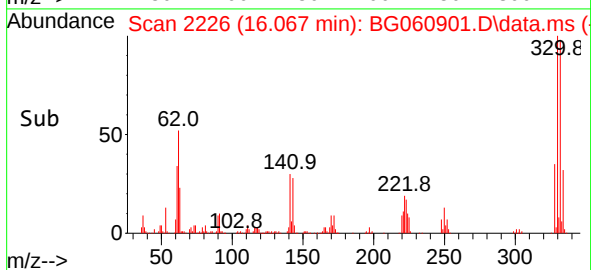
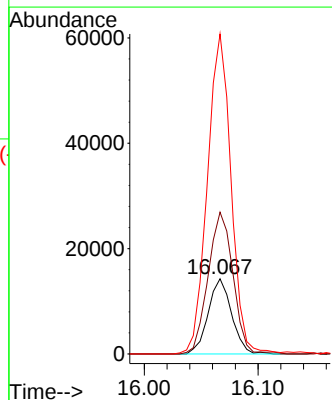
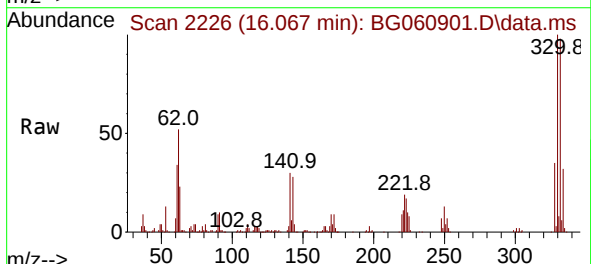
Instrument :
BNA_G
ClientSampleId :
PB160246BL

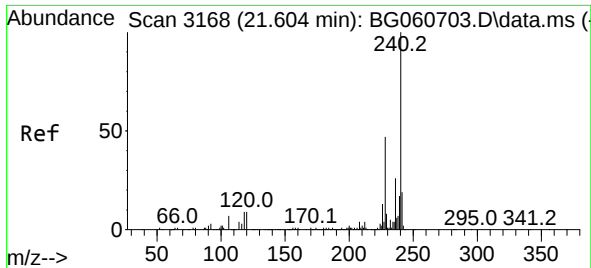
Tgt Ion:198 Resp: 679
Ion Ratio Lower Upper
198 100
51 211.7 36.7 76.7#
105 126.7 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 4.598 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.467 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion:248 Resp: 20478
Ion Ratio Lower Upper
248 100
250 188.4 78.3 117.5#
141 425.2 53.7 80.5#

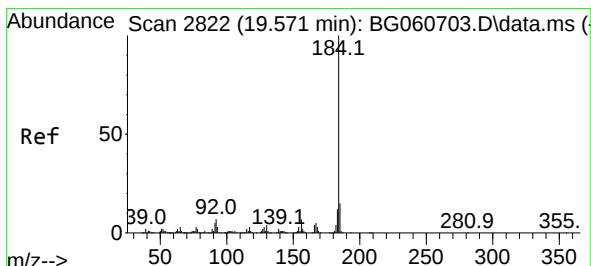
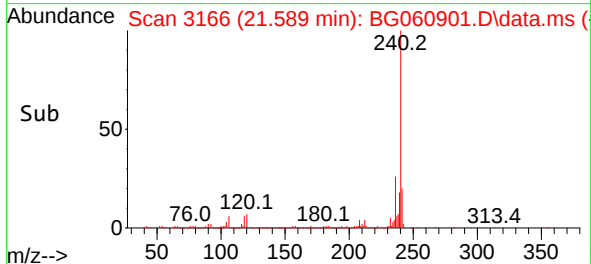
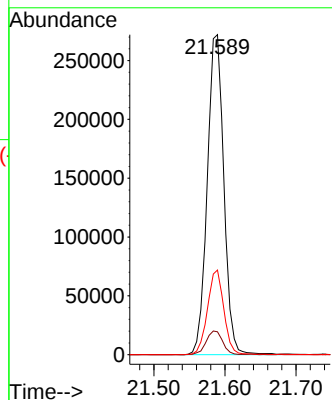
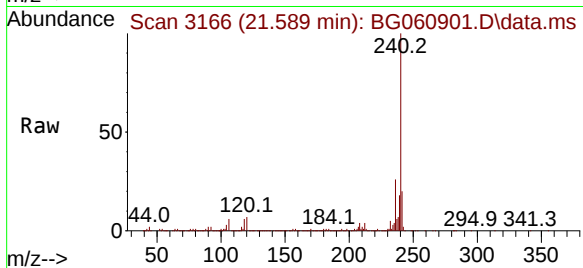




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3166
Delta R.T. -0.015 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

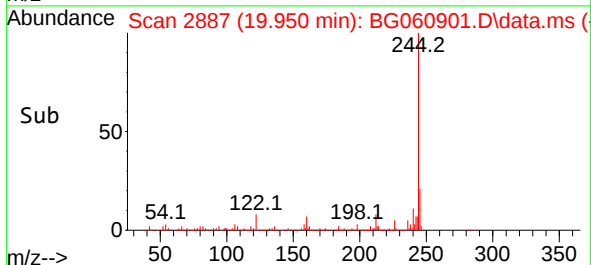
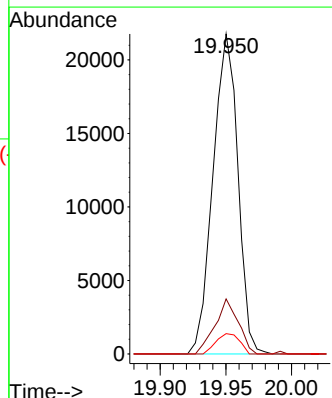
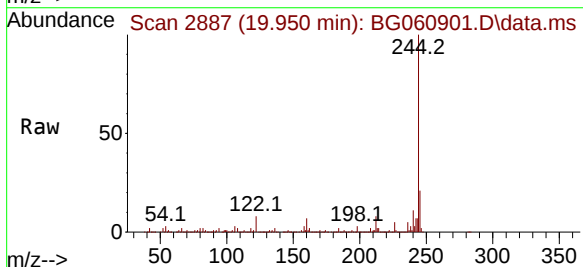
Instrument :
BNA_G
ClientSampleId :
PB160246BL

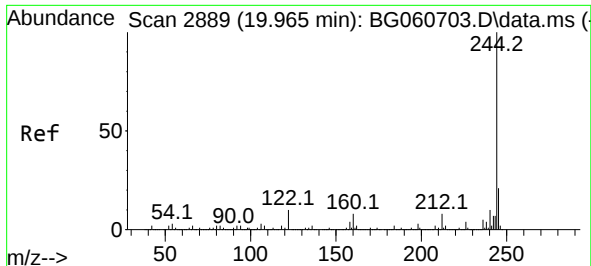
Tgt Ion:240 Resp: 441864
Ion Ratio Lower Upper
240 100
120 7.2 7.1 10.7
236 26.5 20.7 31.1



#77
Benzidine
Concen: 2.460 ng
RT: 19.950 min Scan# 2887
Delta R.T. 0.379 min
Lab File: BG060901.D
Acq: 15 Apr 2024 14:28

Tgt Ion:184 Resp: 28626
Ion Ratio Lower Upper
184 100
185 17.2 11.8 17.6
183 6.4 9.5 14.3#

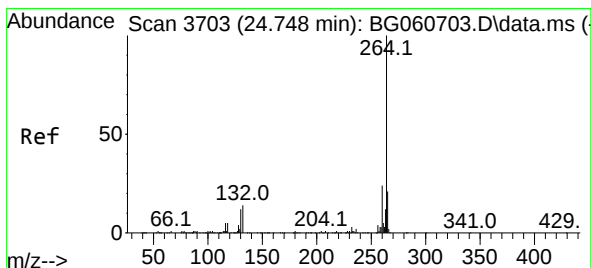
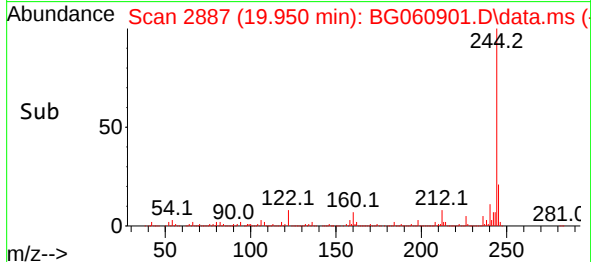
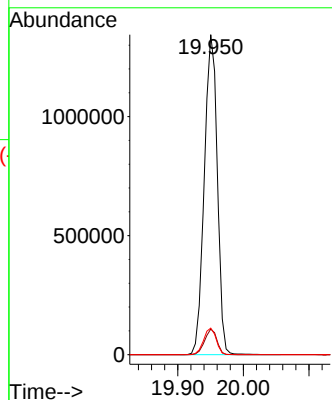
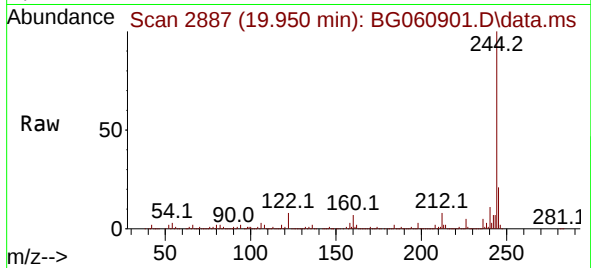




#79
 Terphenyl-d14
 Concen: 73.988 ng
 RT: 19.950 min Scan# 21
 Delta R.T. -0.015 min
 Lab File: BG060901.D
 Acq: 15 Apr 2024 14:28

Instrument :
 BNA_G
 ClientSampleId :
 PB160246BL

Tgt Ion:244 Resp: 1856660
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 8.3 7.8 11.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.721 min Scan# 3699
 Delta R.T. -0.027 min
 Lab File: BG060901.D
 Acq: 15 Apr 2024 14:28

Tgt Ion:264 Resp: 497987
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.5 29.3
 265 21.8 16.9 25.3

