

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060868.D
 Acq On : 11 Apr 2024 20:59
 Operator : MA/JU
 Sample : P2072-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-01-041024

Quant Time: Apr 12 01:38:43 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)

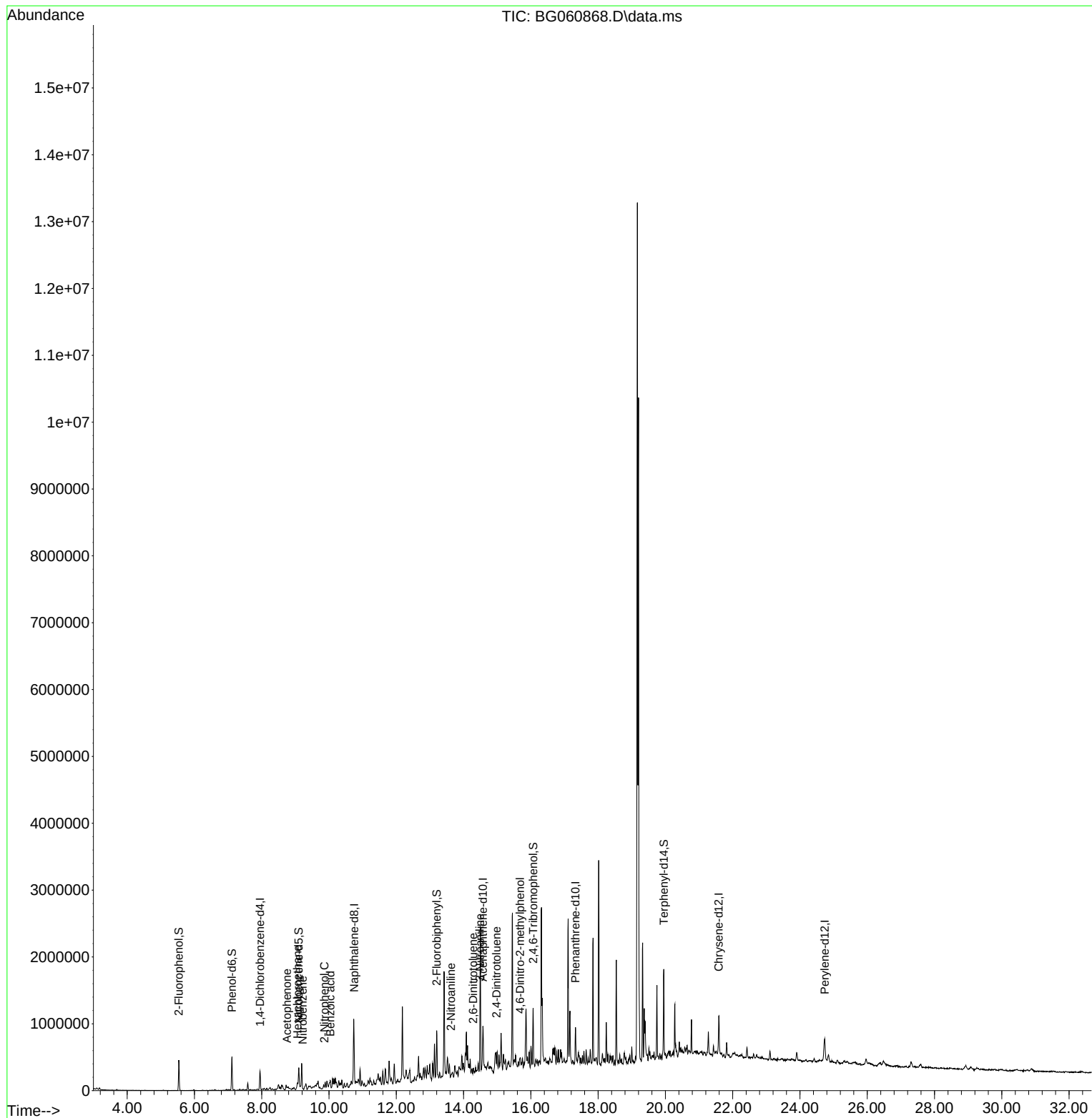
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	66047	20.000	ng	-0.01
21) Naphthalene-d8	10.745	136	247826	20.000	ng	#-0.01
39) Acenaphthene-d10	14.576	164	175318	20.000	ng	-0.01
64) Phenanthrene-d10	17.326	188	367564	20.000	ng	-0.01
76) Chrysene-d12	21.586	240	340987	20.000	ng	-0.02
86) Perylene-d12	24.735	264	409447	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	176102	44.418	ng	0.00
7) Phenol-d6	7.114	99	237468	40.351	ng	0.00
23) Nitrobenzene-d5	9.100	82	164183	37.803	ng	-0.01
42) 2,4,6-Tribromophenol	16.068	330	114358	57.462	ng	0.00
45) 2-Fluorobiphenyl	13.201	172	377731	31.621	ng	-0.02
79) Terphenyl-d14	19.952	244	598219	30.892	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	9.059	117	8311	4.907	ng	# 1
22) Acetophenone	8.754	105	19061	2.789	ng	# 53
24) Nitrobenzene	9.218	77	212	2.814	ng	# 22
26) 2-Nitrophenol	9.864	139	586	3.338	ng	# 1
32) Benzoic acid	10.040	122	59	6.855	ng	# 1
48) 2-Nitroaniline	13.624	65	722	3.041	ng	# 61
51) 2,6-Dinitrotoluene	14.288	165	1479	4.047	ng	# 66
53) 3-Nitroaniline	14.482	138	367	2.978	ng	# 48
57) 2,4-Dinitrotoluene	14.982	165	1352	3.652	ng	# 59
65) 4,6-Dinitro-2-methylph...	15.681	198	215	7.155	ng	# 1

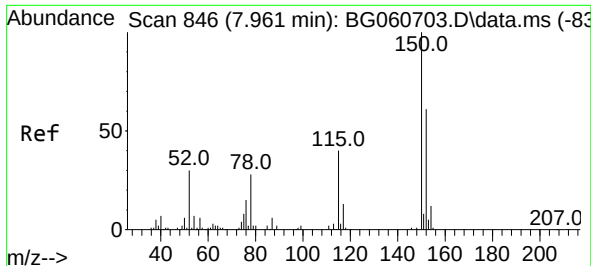
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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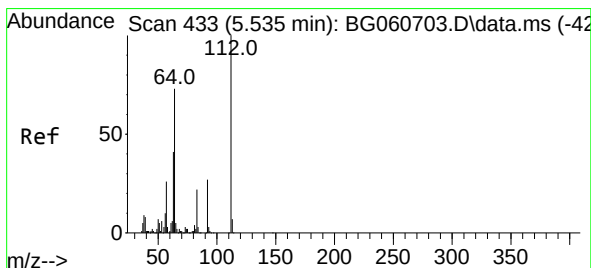
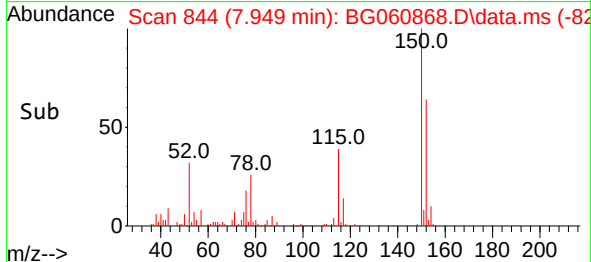
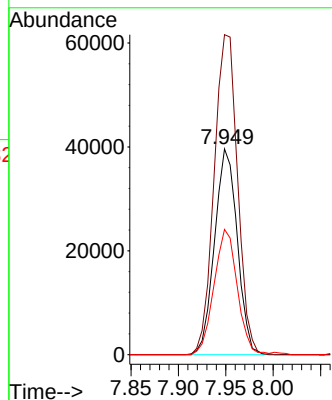
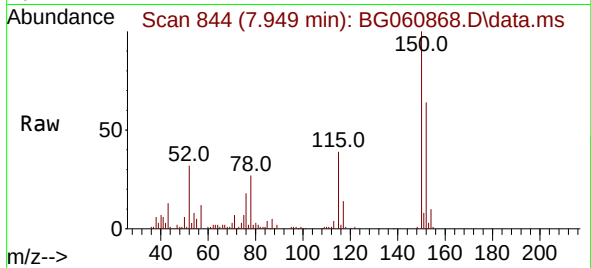




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 846
Delta R.T. -0.012 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

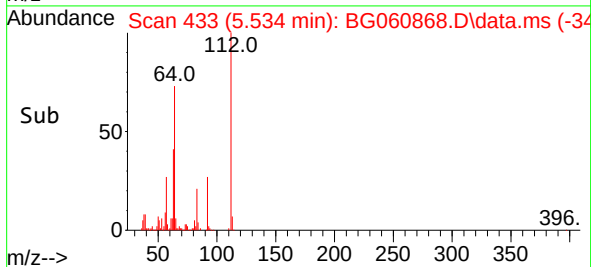
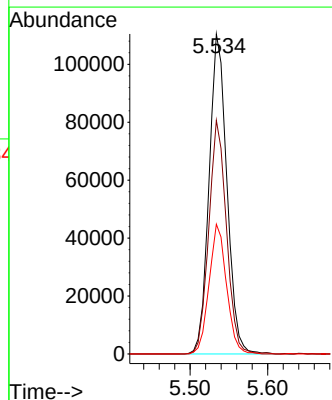
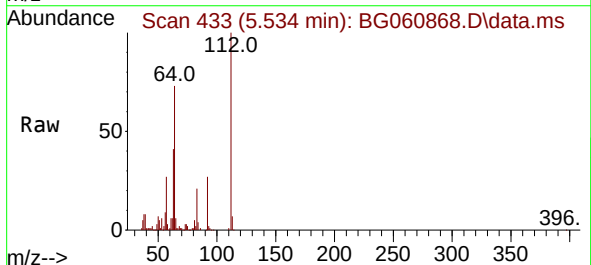
Instrument :
BNA_G
ClientSampleId :
HR-01-041024

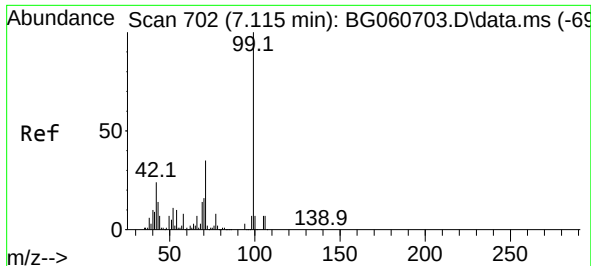
Tgt Ion:152 Resp: 66047
Ion Ratio Lower Upper
152 100
150 155.6 130.2 195.4
115 60.9 51.6 77.4



#5
2-Fluorophenol
Concen: 44.418 ng
RT: 5.534 min Scan# 433
Delta R.T. -0.001 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Tgt Ion:112 Resp: 176102
Ion Ratio Lower Upper
112 100
64 73.0 58.4 87.6
63 40.6 32.7 49.1

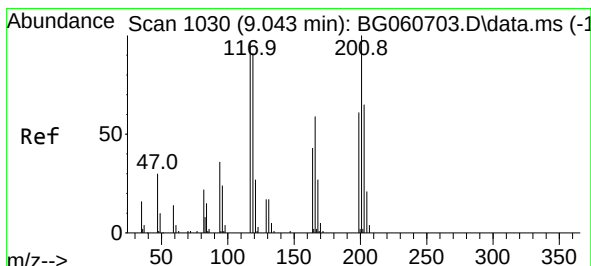
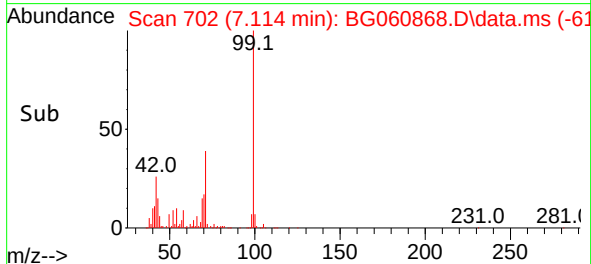
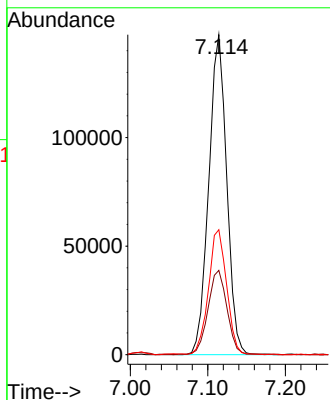
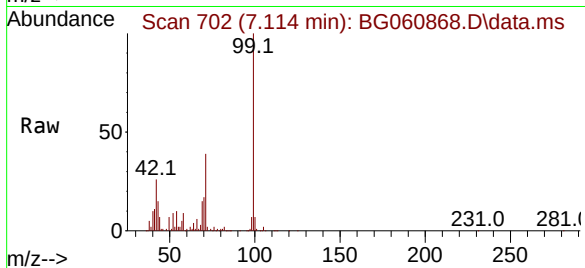




#7
Phenol-d6
Concen: 40.351 ng
RT: 7.114 min Scan# 702
Delta R.T. -0.001 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

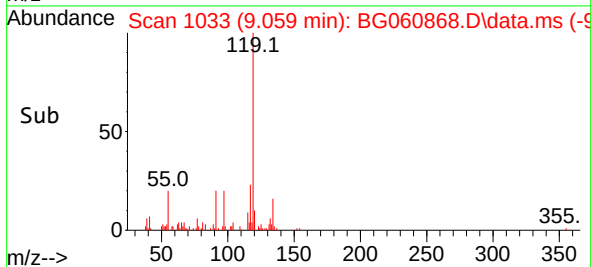
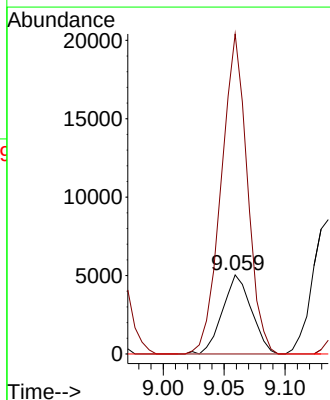
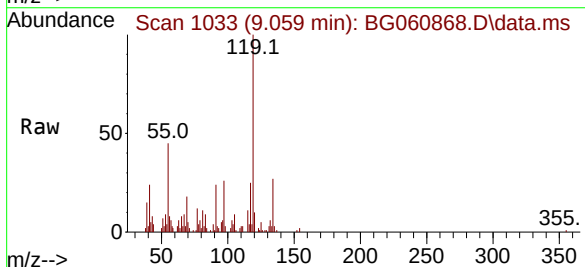
Instrument :
BNA_G
ClientSampleId :
HR-01-041024

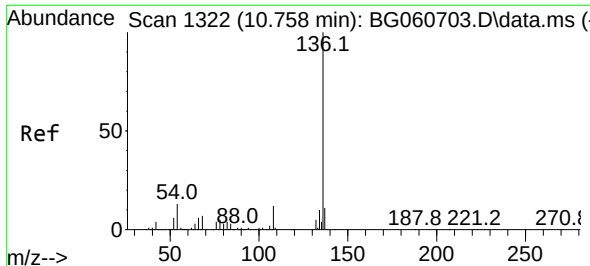
Tgt Ion: 99 Resp: 237468
Ion Ratio Lower Upper
99 100
42 26.4 19.4 29.2
71 39.0 28.2 42.2



#18
Hexachloroethane
Concen: 4.907 ng
RT: 9.059 min Scan# 1033
Delta R.T. 0.017 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Tgt Ion: 117 Resp: 8311
Ion Ratio Lower Upper
117 100
119 404.6 75.7 113.5#
201 0.0 83.4 125.2#



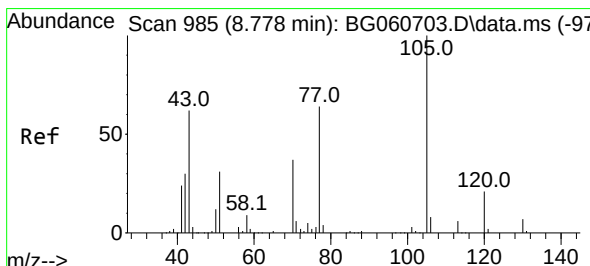
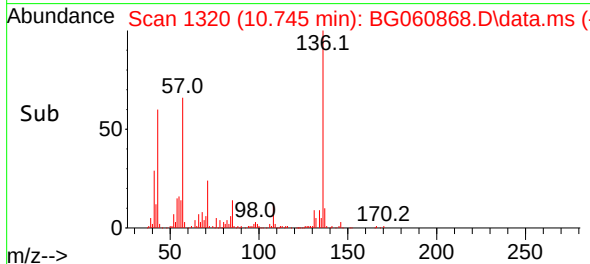
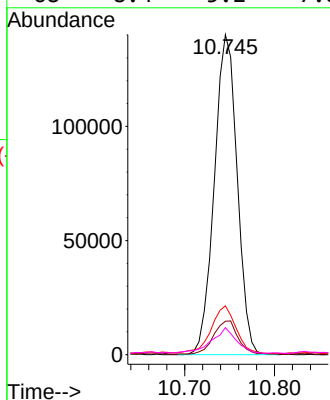
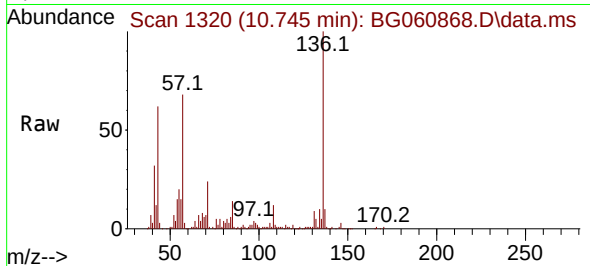


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Instrument :
BNA_G
ClientSampleId :
HR-01-041024

Tgt Ion:136 Resp: 247826

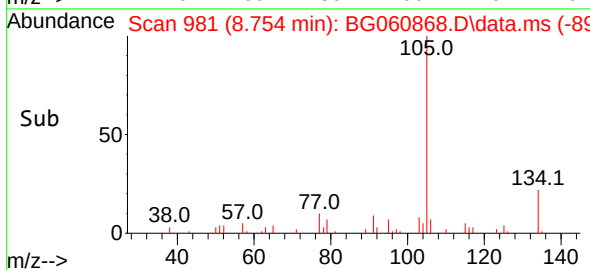
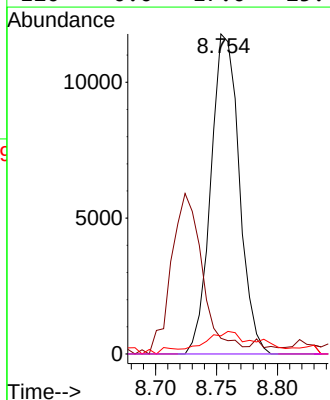
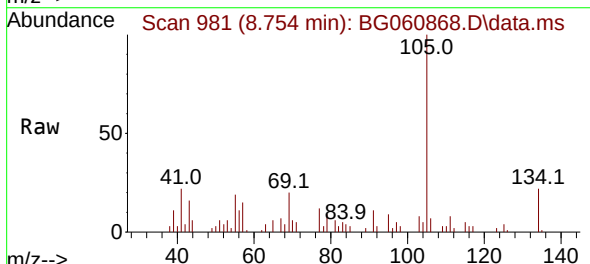
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	15.2	10.2	15.2
68	8.4	5.2	7.8#

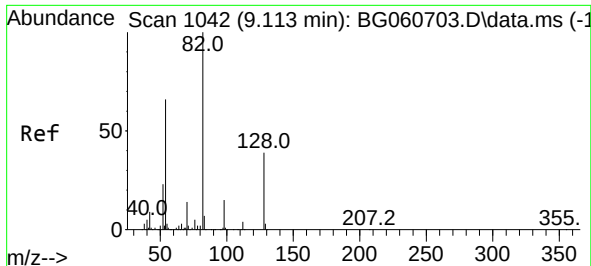


#22
Acetophenone
Concen: 2.789 ng
RT: 8.754 min Scan# 981
Delta R.T. -0.024 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Tgt Ion:105 Resp: 19061

Ion	Ratio	Lower	Upper
105	100		
71	4.9	4.9	7.3
51	5.7	31.1	46.7#
120	0.0	17.0	25.4#





#23

Nitrobenzene-d5

Concen: 37.803 ng

RT: 9.100 min Scan# 1040

Delta R.T. -0.013 min

Lab File: BG060868.D

Acq: 11 Apr 2024 20:59

Instrument :

BNA_G

ClientSampleId :

HR-01-041024

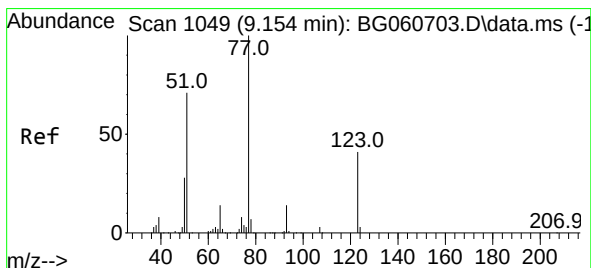
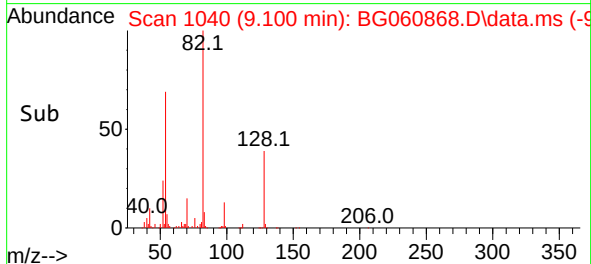
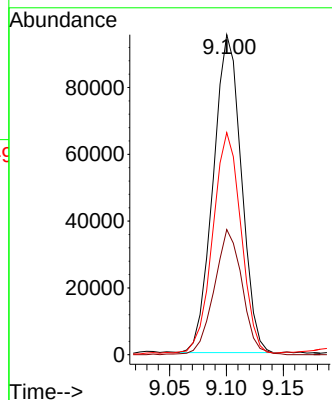
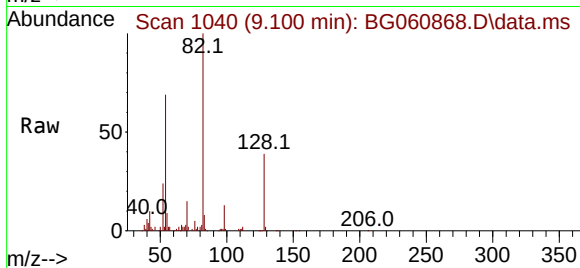
Tgt Ion: 82 Resp: 164183

Ion Ratio Lower Upper

82 100

128 39.1 31.2 46.8

54 69.4 53.2 79.8



#24

Nitrobenzene

Concen: 2.814 ng

RT: 9.218 min Scan# 1060

Delta R.T. 0.064 min

Lab File: BG060868.D

Acq: 11 Apr 2024 20:59

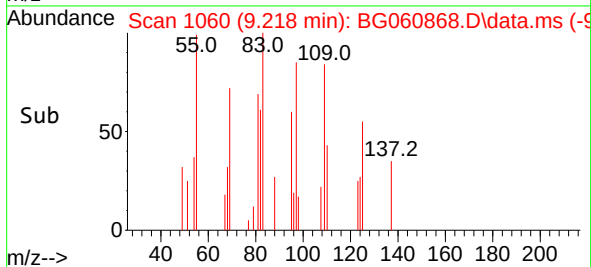
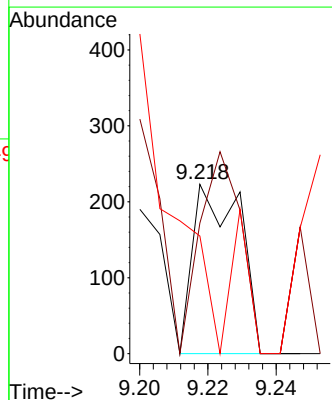
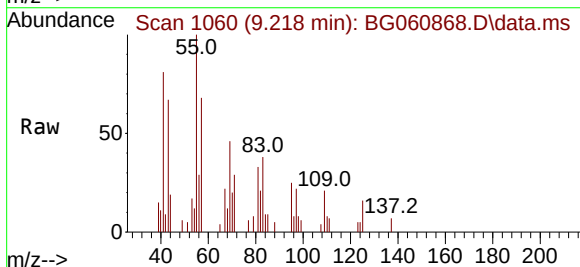
Tgt Ion: 77 Resp: 212

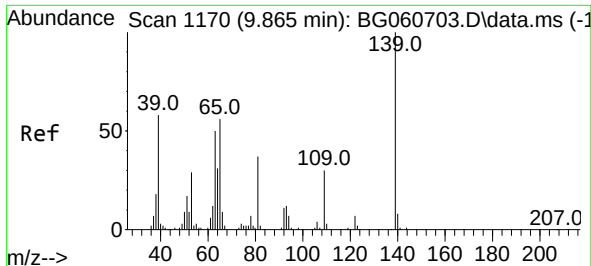
Ion Ratio Lower Upper

77 100

123 77.1 32.7 49.1#

65 69.5 11.3 16.9#

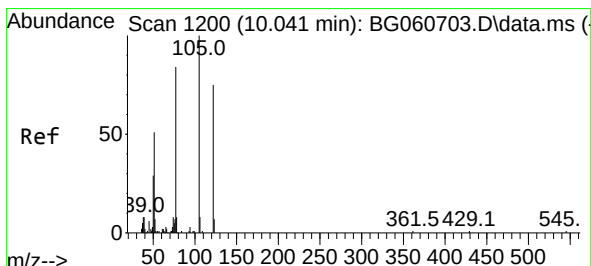
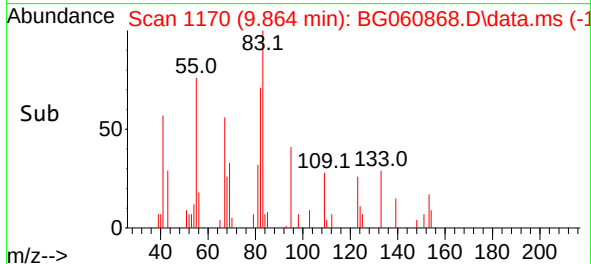
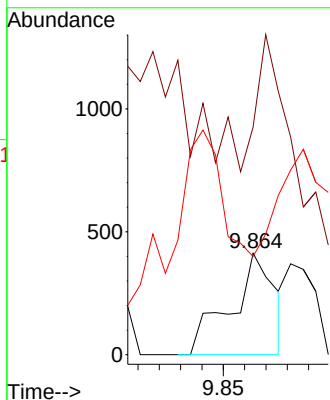
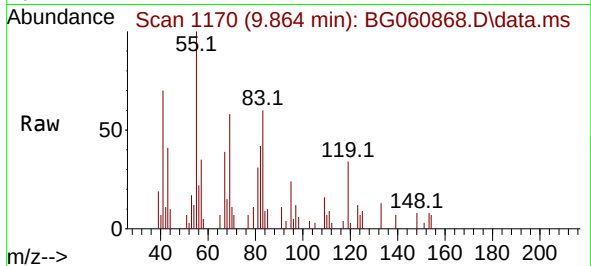




#26
2-Nitrophenol
Concen: 3.338 ng
RT: 9.864 min Scan# 1170
Delta R.T. -0.001 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

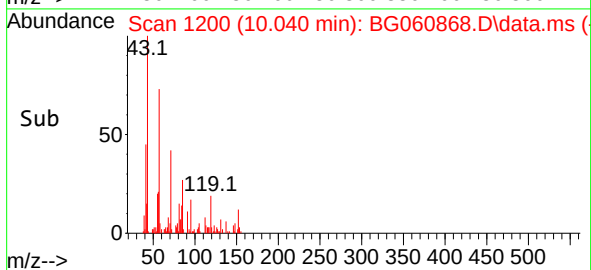
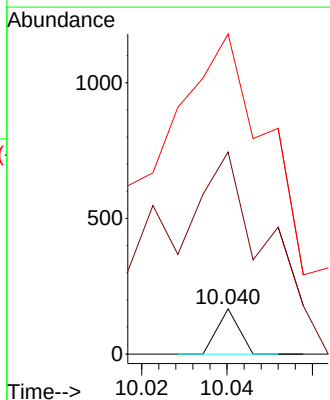
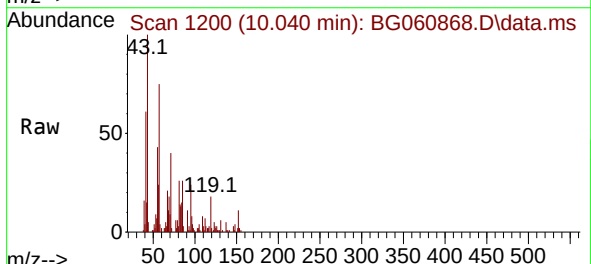
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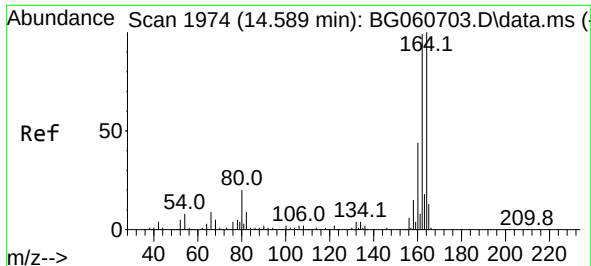
Tgt Ion:139 Resp: 586
Ion Ratio Lower Upper
139 100
109 224.2 23.9 35.9#
65 96.9 44.5 66.7#



#32
Benzoic acid
Concen: 6.855 ng
RT: 10.040 min Scan# 1200
Delta R.T. -0.001 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 446.1 104.5 144.5#
77 706.6 85.3 125.3#

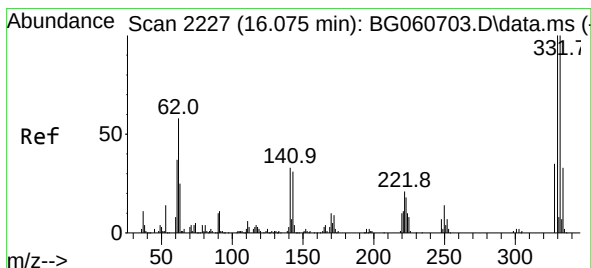
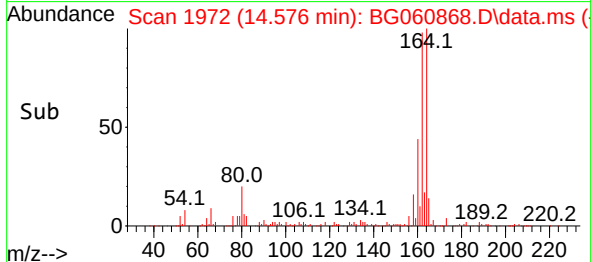
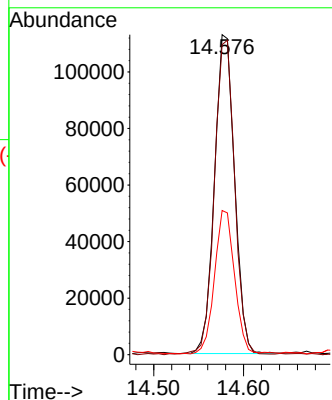
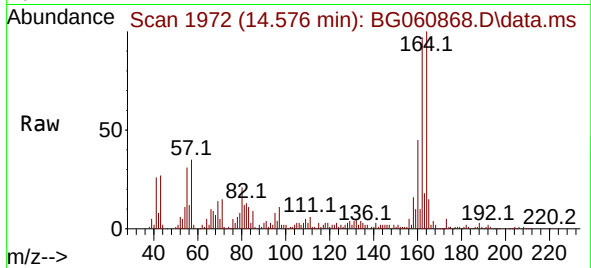




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.576 min Scan# 1972
Delta R.T. -0.013 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

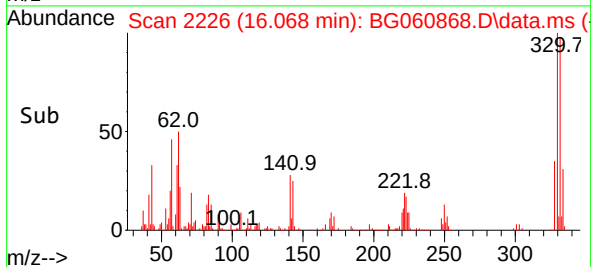
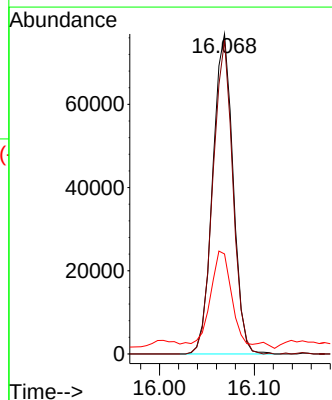
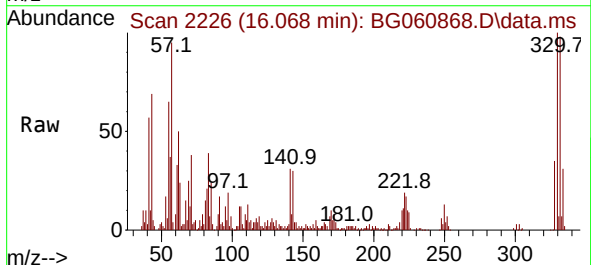
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ClientSampleId :
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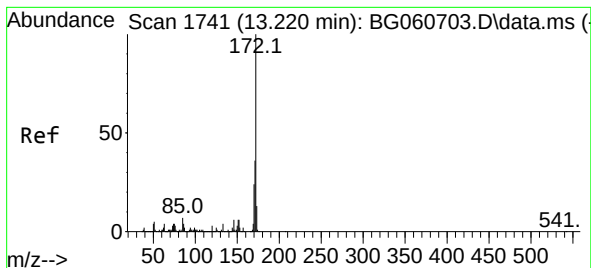
Tgt Ion:164 Resp: 175318
Ion Ratio Lower Upper
164 100
162 96.9 79.5 119.3
160 45.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 57.462 ng
RT: 16.068 min Scan# 2226
Delta R.T. -0.007 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Tgt Ion:330 Resp: 114358
Ion Ratio Lower Upper
330 100
332 95.8 78.2 117.4
141 29.8 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 31.621 ng

RT: 13.201 min Scan# 1

Delta R.T. -0.019 min

Lab File: BG060868.D

Acq: 11 Apr 2024 20:59

Instrument :

BNA_G

ClientSampleId :

HR-01-041024

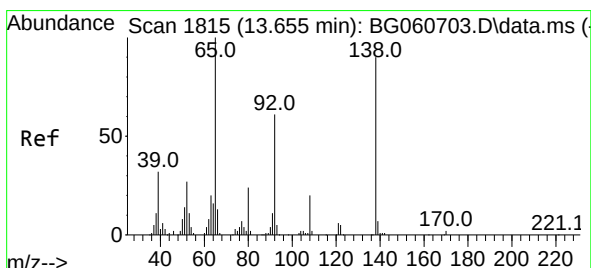
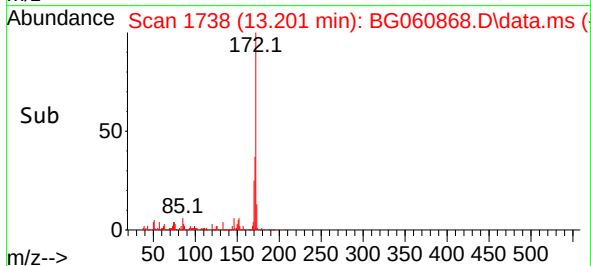
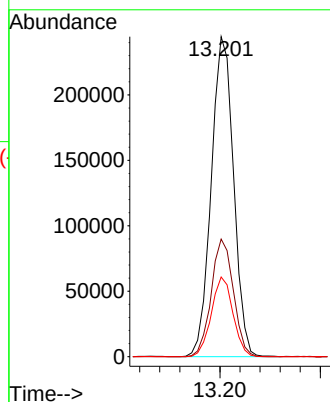
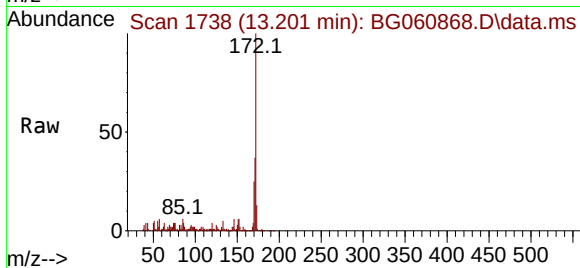
Tgt Ion:172 Resp: 377731

Ion Ratio Lower Upper

172 100

171 36.7 28.7 43.1

170 24.9 19.4 29.0



#48

2-Nitroaniline

Concen: 3.041 ng

RT: 13.624 min Scan# 1810

Delta R.T. -0.031 min

Lab File: BG060868.D

Acq: 11 Apr 2024 20:59

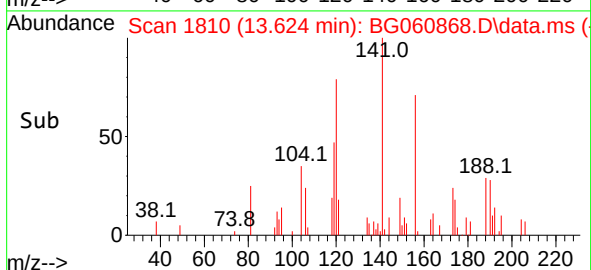
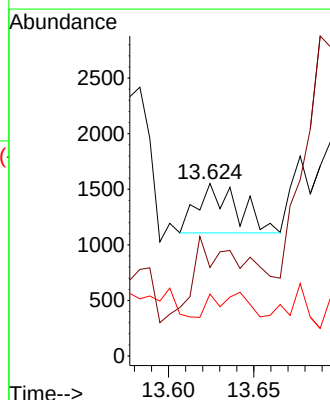
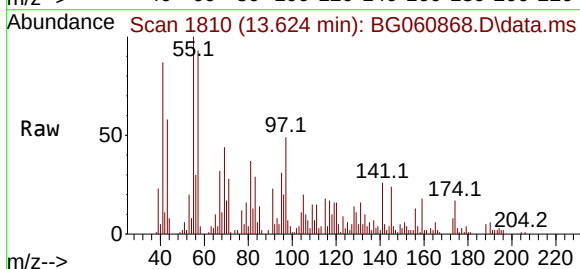
Tgt Ion: 65 Resp: 722

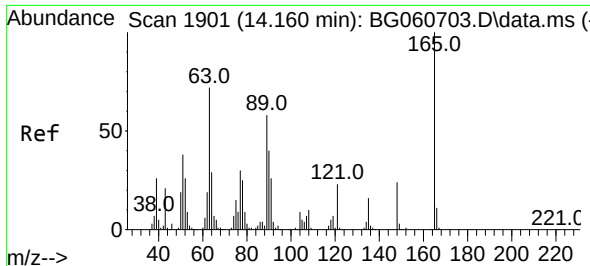
Ion Ratio Lower Upper

65 100

92 51.3 48.6 72.8

138 35.9 72.2 108.4#

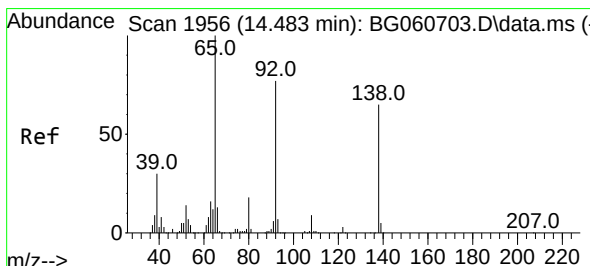
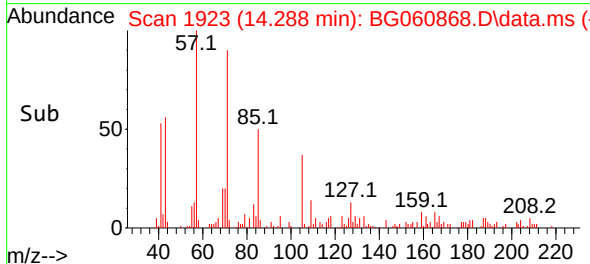
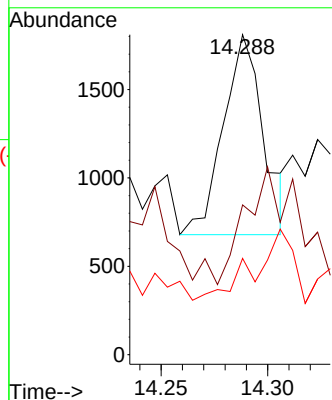
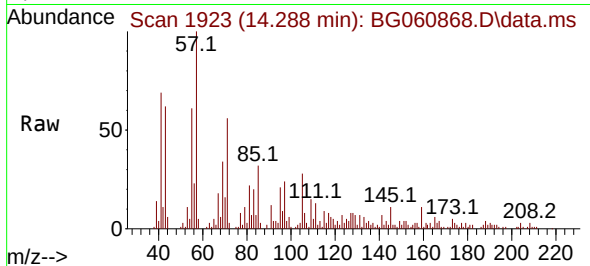




#51
2,6-Dinitrotoluene
Concen: 4.047 ng
RT: 14.288 min Scan# 1901
Delta R.T. 0.128 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

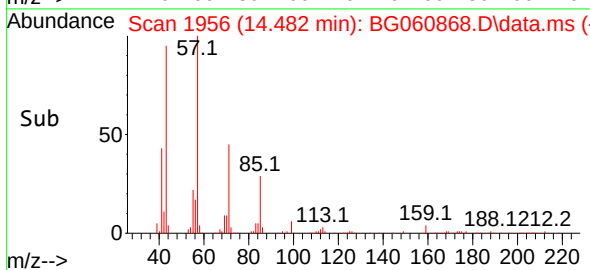
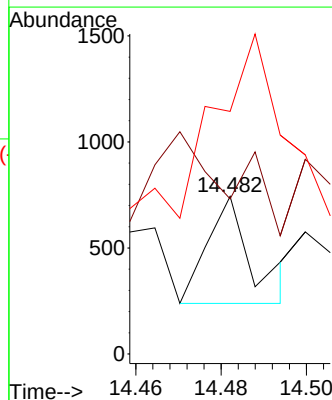
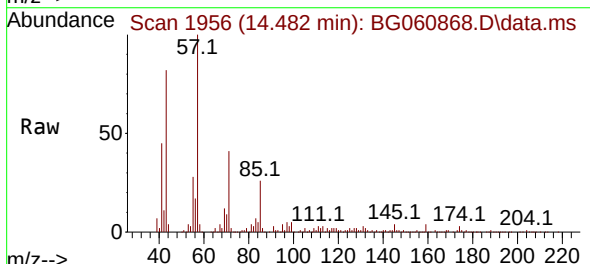
Instrument :
BNA_G
ClientSampleId :
HR-01-041024

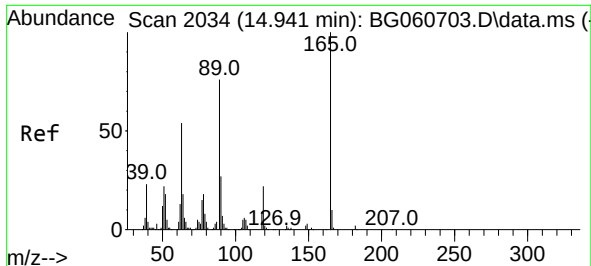
Tgt Ion:165 Resp: 1479
Ion Ratio Lower Upper
165 100
63 46.8 58.2 87.4#
89 30.1 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.978 ng
RT: 14.482 min Scan# 1956
Delta R.T. -0.001 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Tgt Ion:138 Resp: 367
Ion Ratio Lower Upper
138 100
108 98.4 11.3 16.9#
92 154.0 94.1 141.1#





#57

2,4-Dinitrotoluene

Concen: 3.652 ng

RT: 14.982 min Scan# 2034

Delta R.T. 0.040 min

Lab File: BG060868.D

Acq: 11 Apr 2024 20:59

Instrument :

BNA_G

ClientSampleId :

HR-01-041024

Tgt Ion:165 Resp: 1352

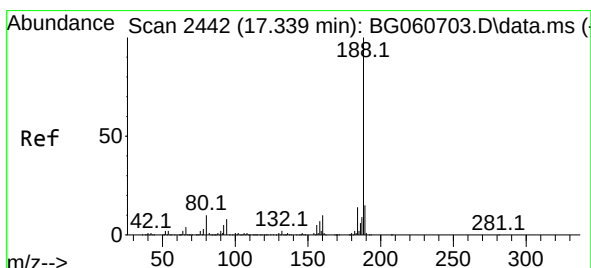
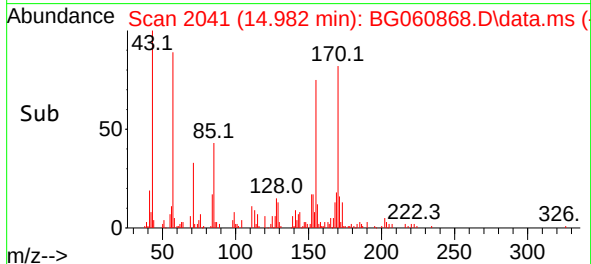
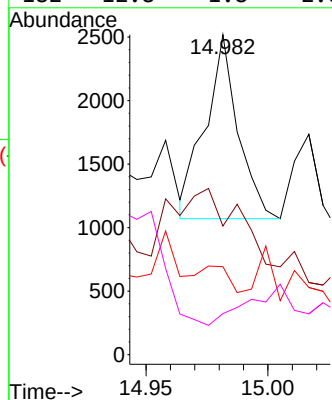
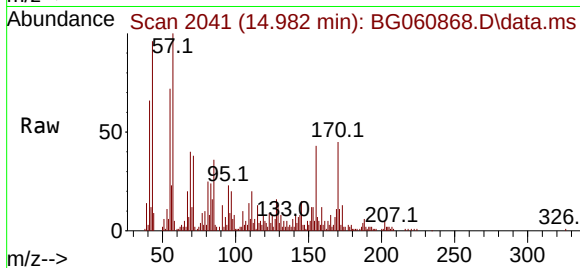
Ion Ratio Lower Upper

165 100

63 40.2 43.4 65.0#

89 27.5 61.0 91.6#

182 12.8 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.326 min Scan# 2440

Delta R.T. -0.013 min

Lab File: BG060868.D

Acq: 11 Apr 2024 20:59

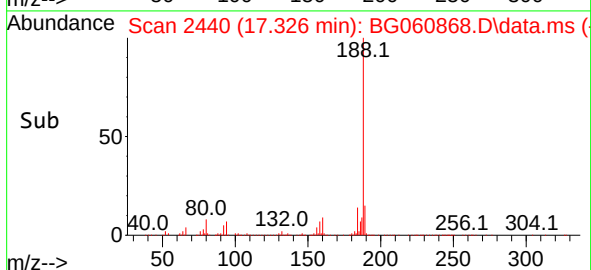
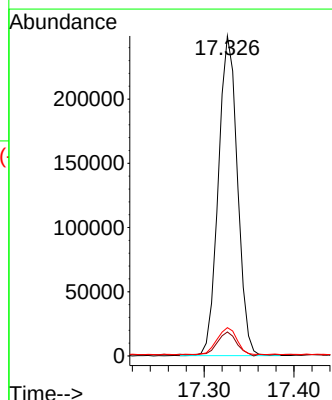
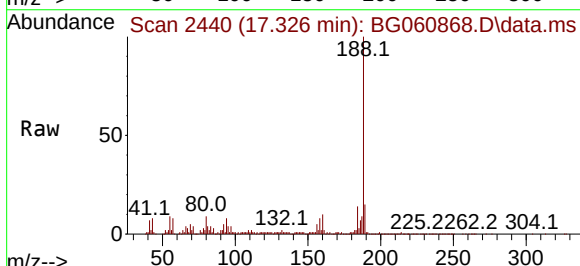
Tgt Ion:188 Resp: 367564

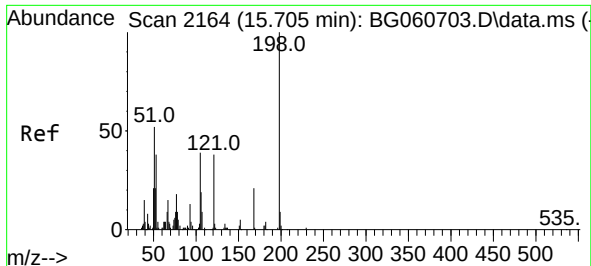
Ion Ratio Lower Upper

188 100

94 7.5 6.6 9.8

80 8.8 7.6 11.4

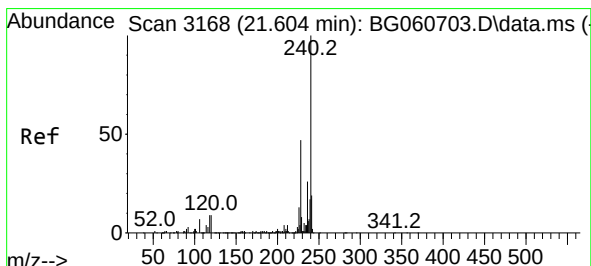
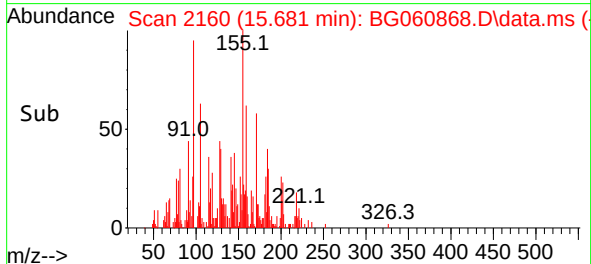
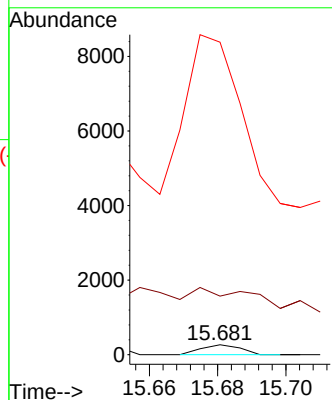
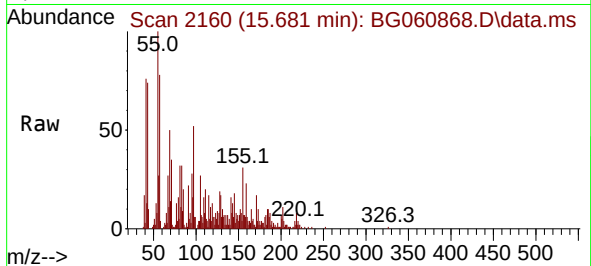




#65
4,6-Dinitro-2-methylphenol
Concen: 7.155 ng
RT: 15.681 min Scan# 2160
Delta R.T. -0.024 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

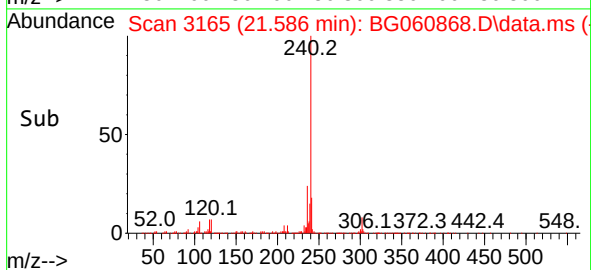
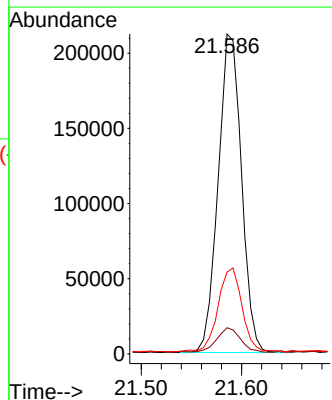
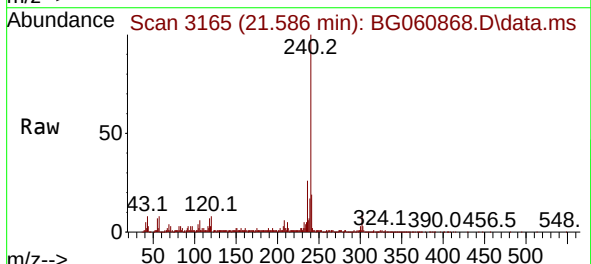
Instrument :
BNA_G
ClientSampleId :
HR-01-041024

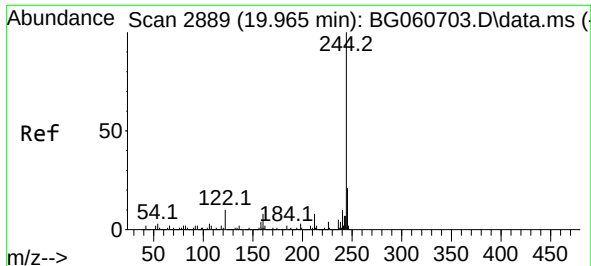
Tgt Ion:198 Resp: 215
Ion Ratio Lower Upper
198 100
51 586.2 36.7 76.7#
105 3127.2 19.1 59.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3165
Delta R.T. -0.019 min
Lab File: BG060868.D
Acq: 11 Apr 2024 20:59

Tgt Ion:240 Resp: 340987
Ion Ratio Lower Upper
240 100
120 8.2 7.1 10.7
236 25.6 20.7 31.1

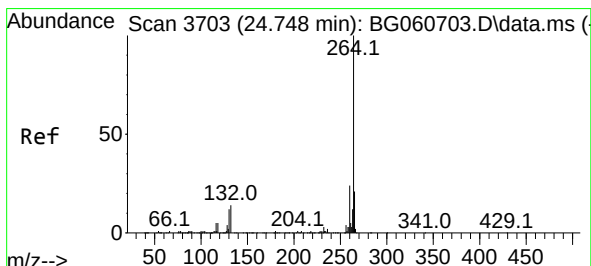
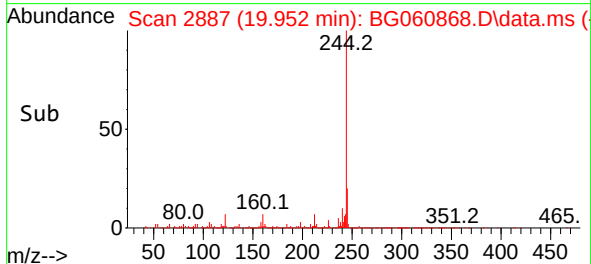
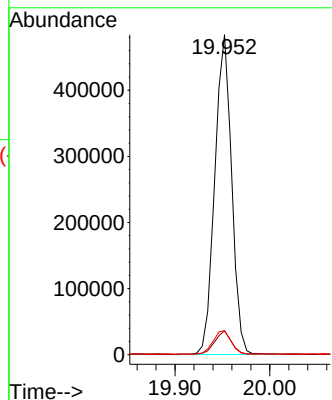
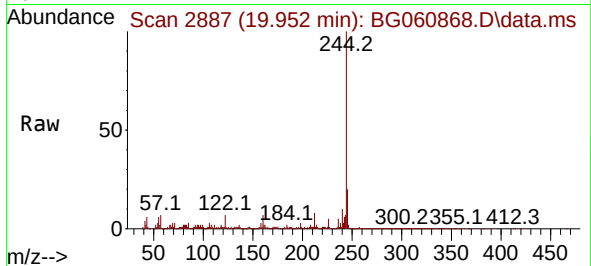




#79
 Terphenyl-d14
 Concen: 30.892 ng
 RT: 19.952 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: BG060868.D
 Acq: 11 Apr 2024 20:59

Instrument :
 BNA_G
 ClientSampleId :
 HR-01-041024

Tgt Ion:244 Resp: 598219
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 7.5 7.8 11.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.735 min Scan# 3701
 Delta R.T. -0.013 min
 Lab File: BG060868.D
 Acq: 11 Apr 2024 20:59

Tgt Ion:264 Resp: 409447
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 22.0 16.9 25.3

