

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060501.D
 Acq On : 31 Jan 2024 2:45
 Operator : MA/JU
 Sample : P1243-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MR-308-17-19

Quant Time: Jan 31 04:42:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

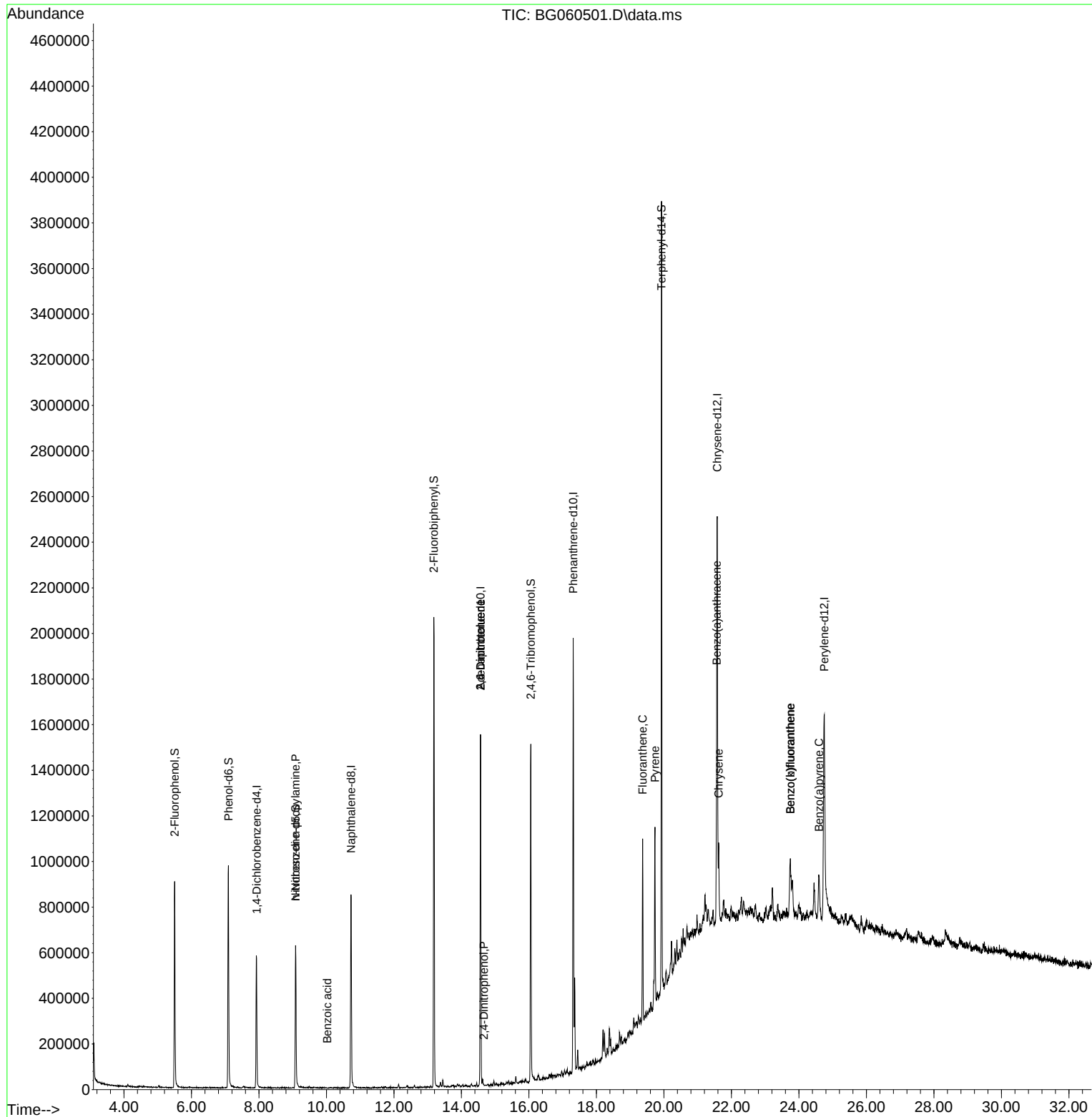
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	187566	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	775578	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	550987	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	1257701	20.000	ng	0.00
76) Chrysene-d12	21.578	240	1094114	20.000	ng	0.00
86) Perylene-d12	24.745	264	1199424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	456457	40.027	ng	0.00
7) Phenol-d6	7.095	99	695780	41.204	ng	0.00
23) Nitrobenzene-d5	9.087	82	439622	26.766	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	348274	42.962	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	1212071	30.584	ng	0.00
79) Terphenyl-d14	19.927	244	1844279	32.946	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.087	70	51884	4.439	ng	# 82
32) Benzoic acid	10.027	122	60	10.207	ng	# 40
51) 2,6-Dinitrotoluene	14.563	165	73733	8.207	ng	# 33
54) 2,4-Dinitrophenol	14.663	184	64	8.597	ng	# 27
57) 2,4-Dinitrotoluene	14.563	165	73733	5.985	ng	# 25
75) Fluoranthene	19.369	202	517775	7.091	ng	# 88
78) Pyrene	19.733	202	507766	7.267	ng	# 87
81) Benzo(a)anthracene	21.560	228	292607	4.320	ng	# 93
83) Chrysene	21.619	228	265531	3.986	ng	# 95
88) Benzo(b)fluoranthene	23.746	252	321016	4.530	ng	# 93
89) Benzo(k)fluoranthene	23.746	252	321016	4.591	ng	# 93
90) Benzo(a)pyrene	24.592	252	250508	3.914	ng	# 97

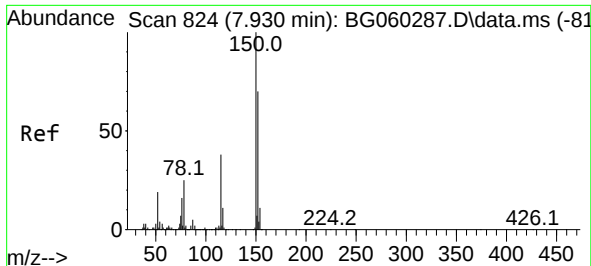
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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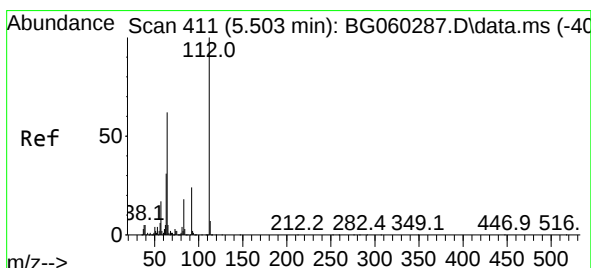
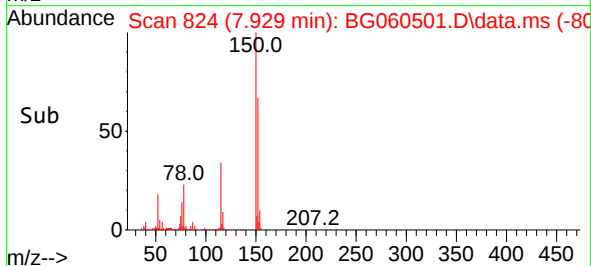
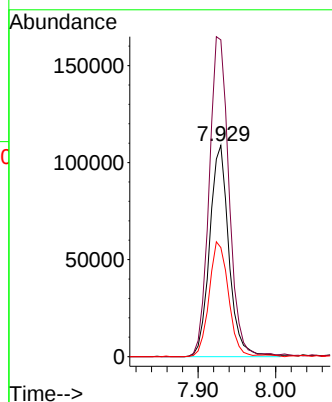
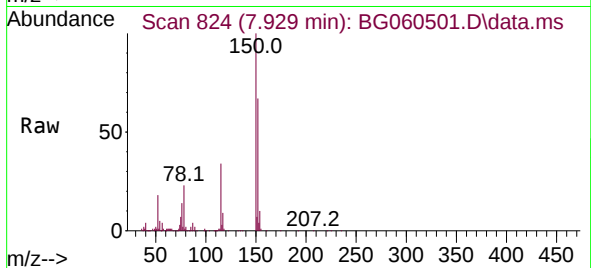




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

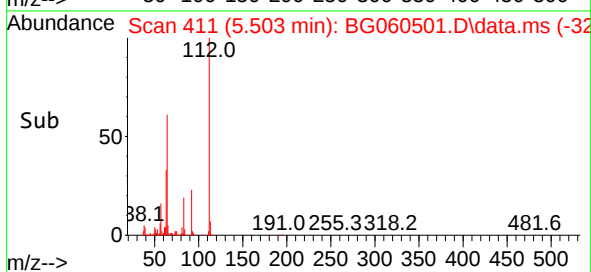
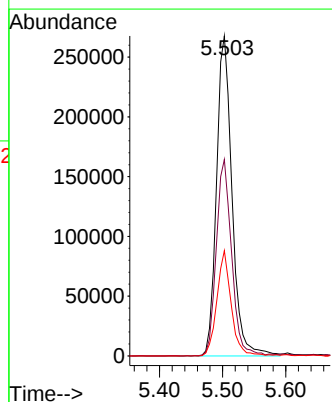
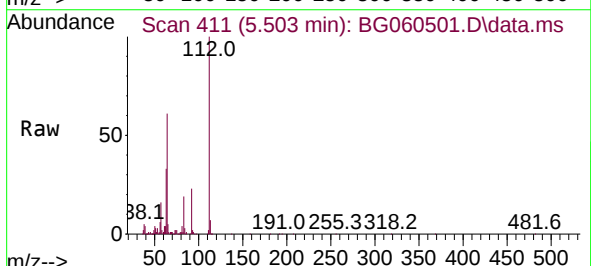
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BNA_G
ClientSampleId :
MR-308-17-19

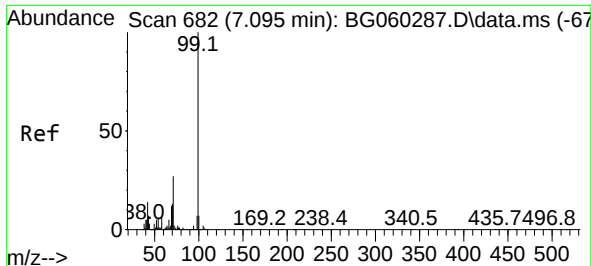
Tgt Ion:152 Resp: 187566
Ion Ratio Lower Upper
152 100
150 150.0 114.5 171.7
115 51.6 43.0 64.6



#5
2-Fluorophenol
Concen: 40.027 ng
RT: 5.503 min Scan# 411
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:112 Resp: 456457
Ion Ratio Lower Upper
112 100
64 61.4 49.8 74.6
63 32.9 24.4 36.6

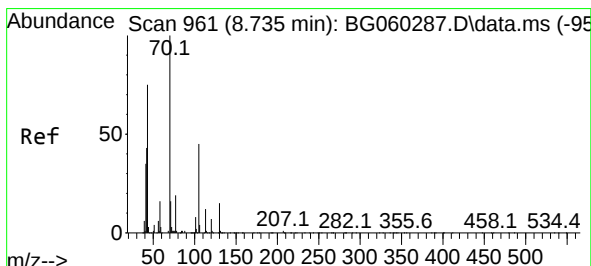
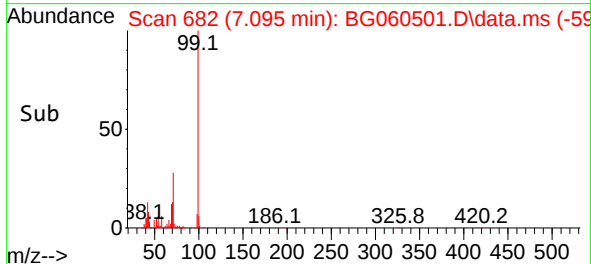
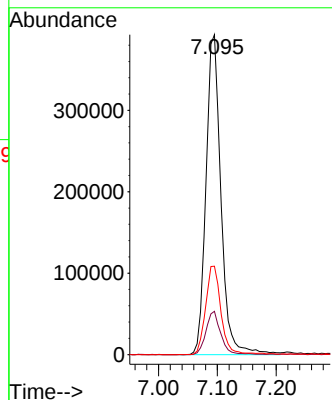
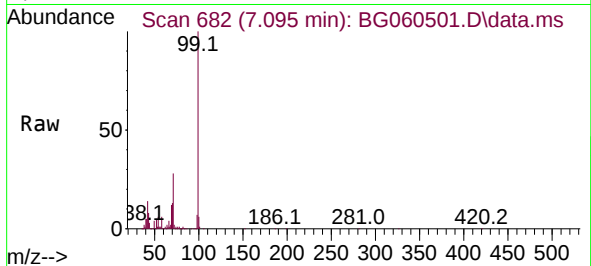




#7
Phenol-d6
Concen: 41.204 ng
RT: 7.095 min Scan# 682
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

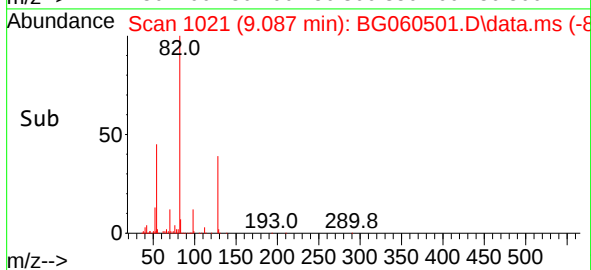
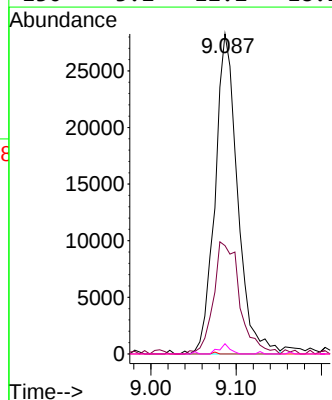
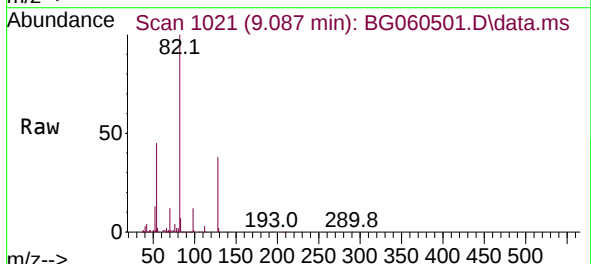
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

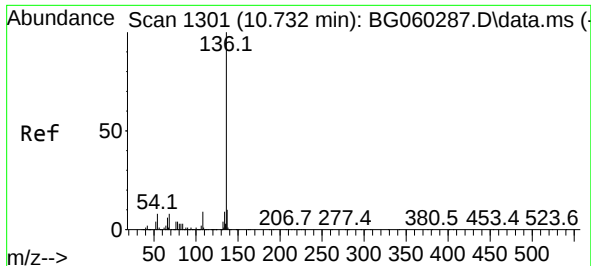
Tgt Ion: 99 Resp: 695780
Ion Ratio Lower Upper
99 100
42 13.5 10.9 16.3
71 27.6 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.439 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.352 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion: 70 Resp: 51884
Ion Ratio Lower Upper
70 100
42 33.8 34.3 51.5#
101 0.0 6.2 9.2#
130 3.2 12.2 18.2#

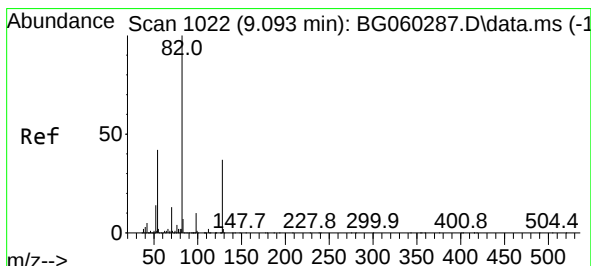
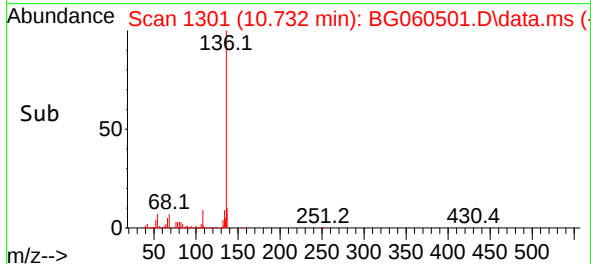
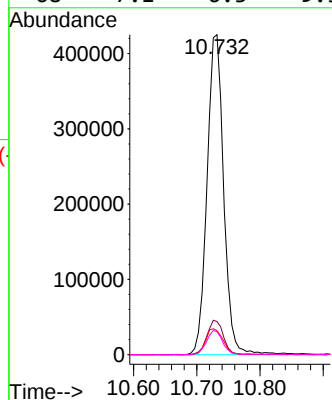
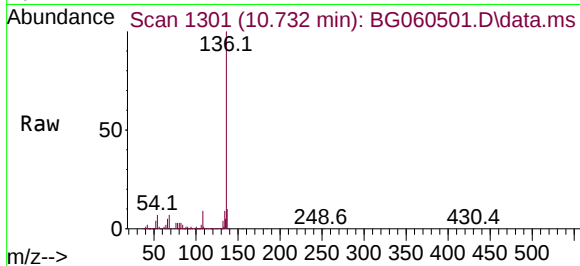




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

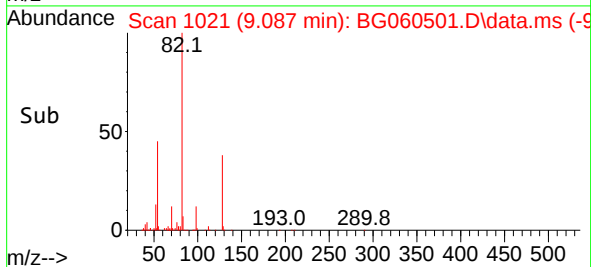
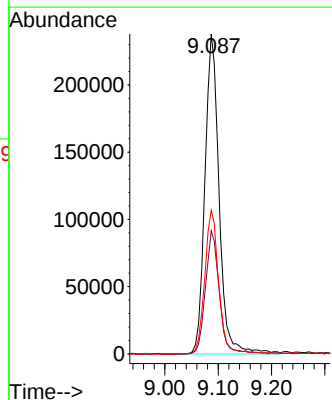
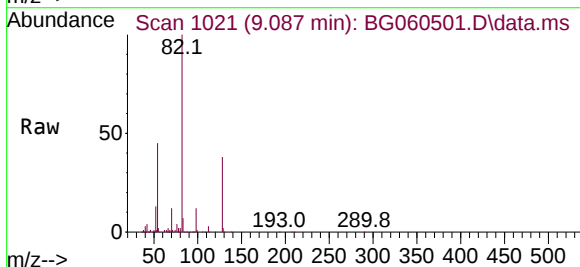
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

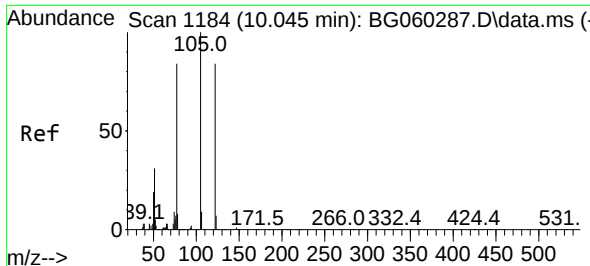
Tgt Ion:	136	Resp:	775578
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	7.5	6.2	9.2
68	7.1	6.3	9.5



#23
Nitrobenzene-d5
Concen: 26.766 ng
RT: 9.087 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:	82	Resp:	439622
Ion	Ratio	Lower	Upper
82	100		
128	38.5	29.6	44.4
54	44.9	33.6	50.4

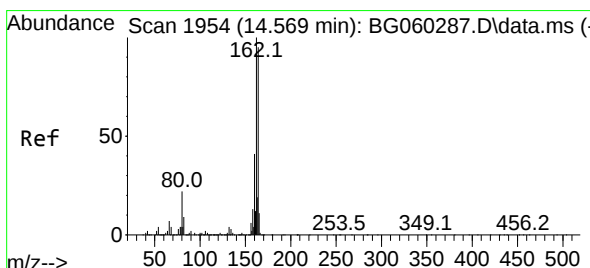
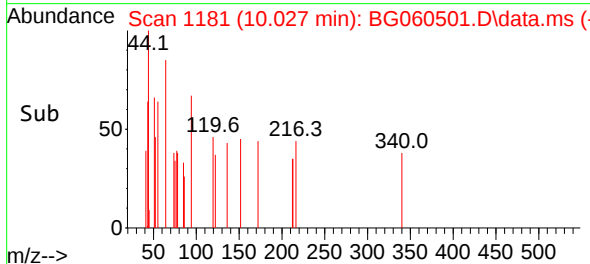
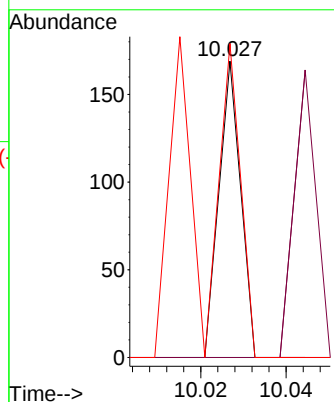
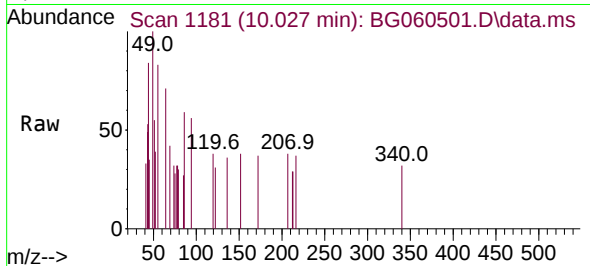




#32
Benzoic acid
Concen: 10.207 ng
RT: 10.027 min Scan# 1181
Delta R.T. -0.018 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

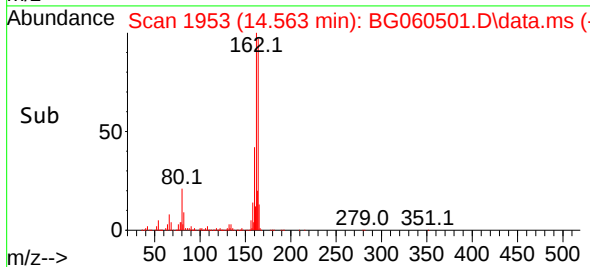
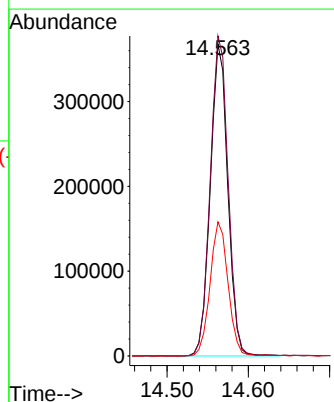
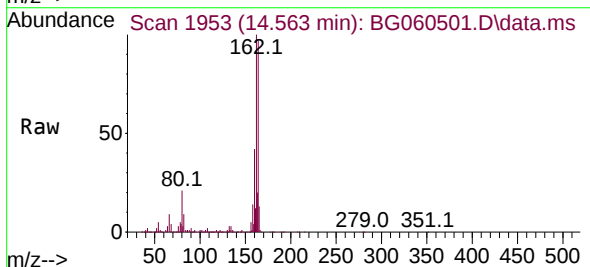
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

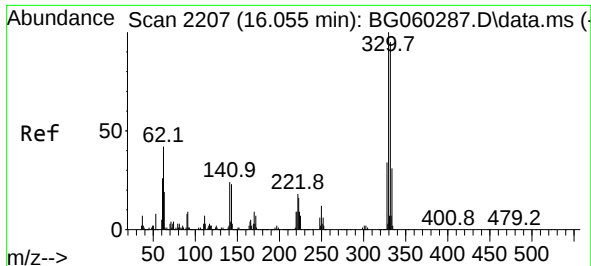
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 105.9 80.1 120.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:164 Resp: 550987
Ion Ratio Lower Upper
164 100
162 102.6 84.4 126.6
160 43.0 34.6 52.0

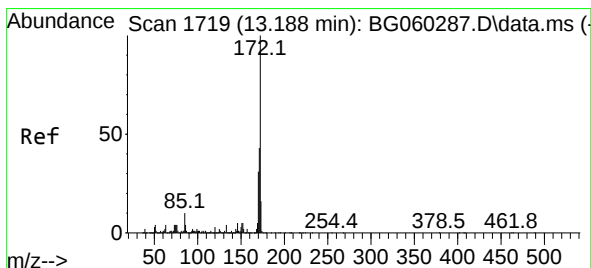
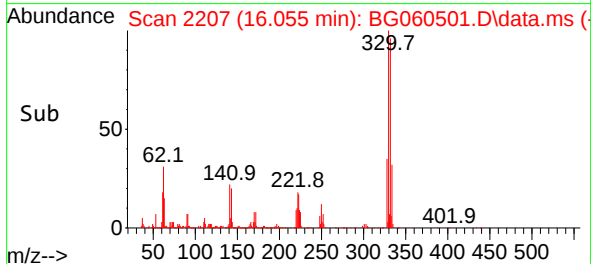
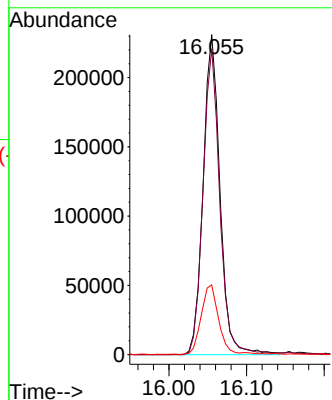
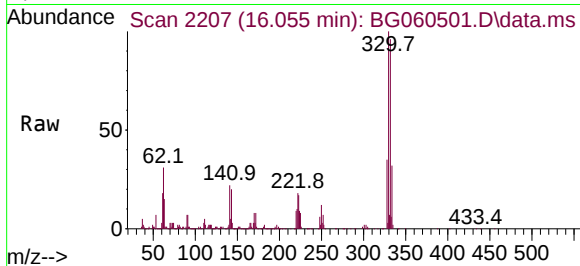




#42
2,4,6-Tribromophenol
Concen: 42.962 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

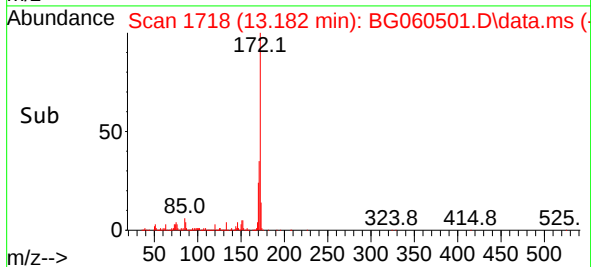
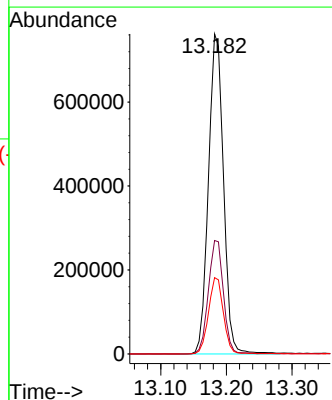
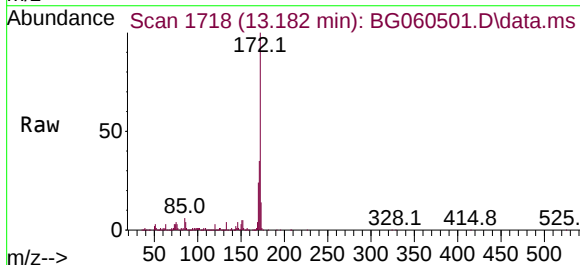
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

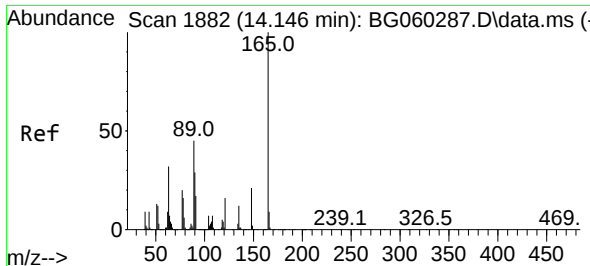
Tgt Ion:330 Resp: 348274
Ion Ratio Lower Upper
330 100
332 95.0 76.7 115.1
141 22.7 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 30.584 ng
RT: 13.182 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:172 Resp: 1212071
Ion Ratio Lower Upper
172 100
171 35.4 34.6 51.8
170 23.8 24.4 36.6#

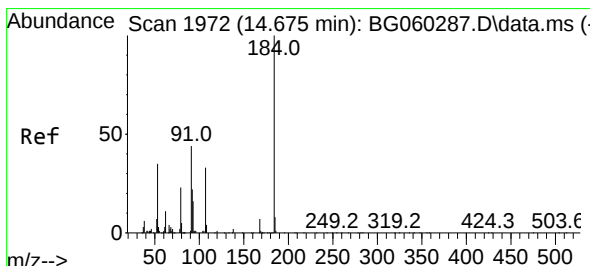
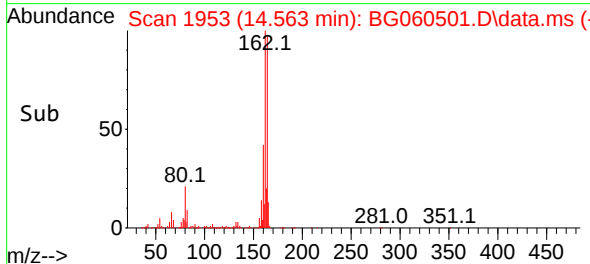
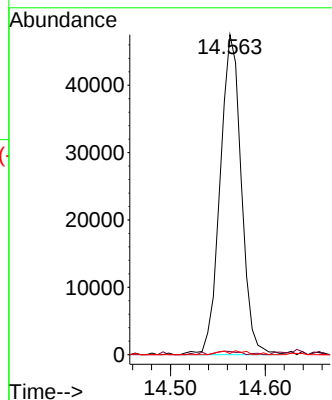
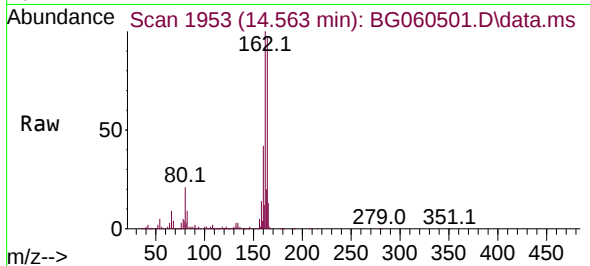




#51
2,6-Dinitrotoluene
Concen: 8.207 ng
RT: 14.563 min Scan# 1953
Delta R.T. 0.417 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

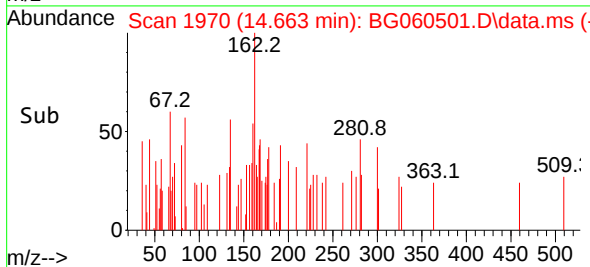
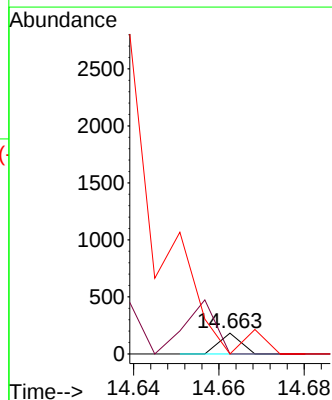
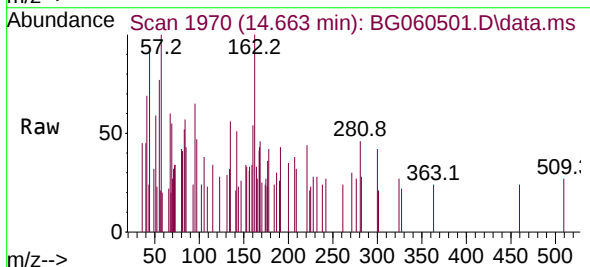
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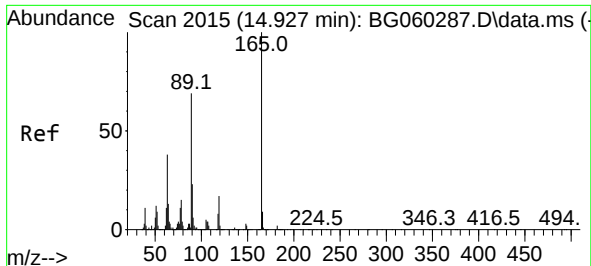
Tgt Ion:165 Resp: 73733
Ion Ratio Lower Upper
165 100
63 1.0 35.0 52.4#
89 0.3 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.597 ng
RT: 14.663 min Scan# 1970
Delta R.T. -0.012 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 0.0 41.0 61.4#
154 0.0 39.2 58.8#





#57

2,4-Dinitrotoluene

Concen: 5.985 ng

RT: 14.563 min Scan# 1953

Delta R.T. -0.365 min

Lab File: BG060501.D

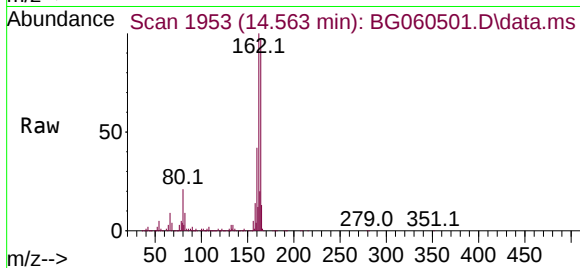
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

MR-308-17-19



Tgt Ion:165 Resp: 73733

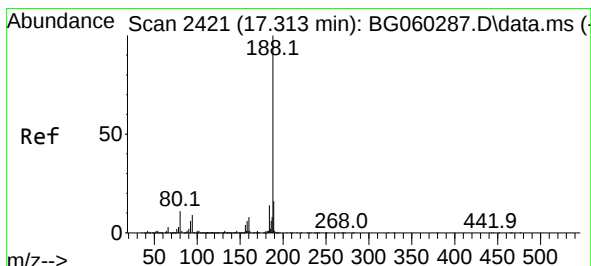
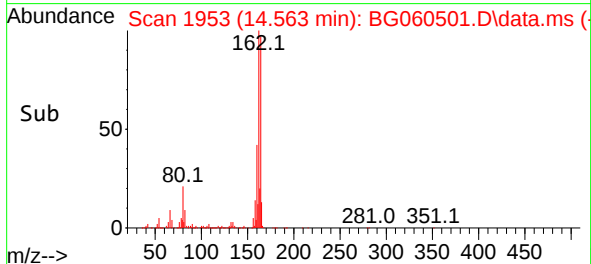
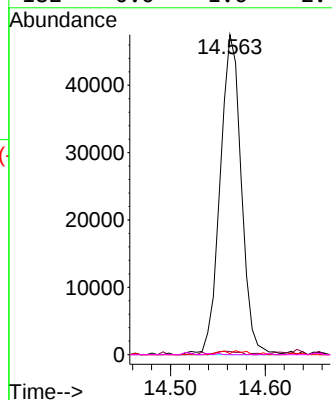
Ion Ratio Lower Upper

165 100

63 1.0 30.4 45.6#

89 0.3 55.4 83.0#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2421

Delta R.T. -0.000 min

Lab File: BG060501.D

Acq: 31 Jan 2024 2:45

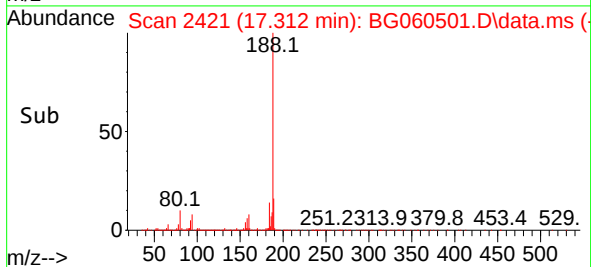
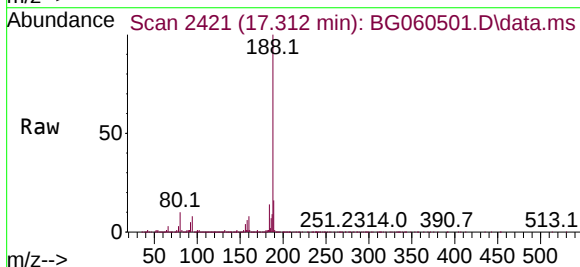
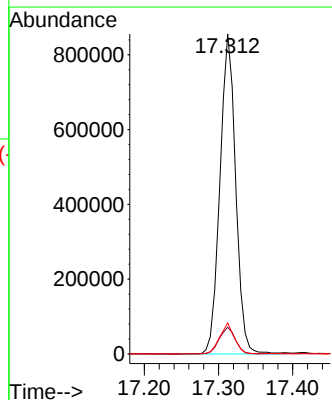
Tgt Ion:188 Resp: 1257701

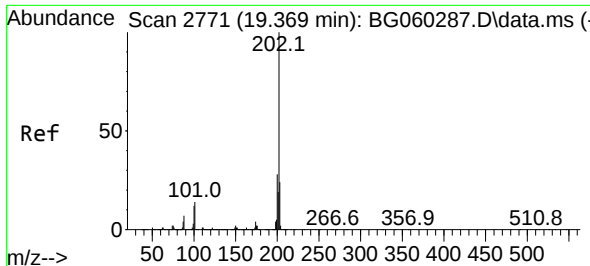
Ion Ratio Lower Upper

188 100

94 8.3 7.1 10.7

80 9.7 8.5 12.7

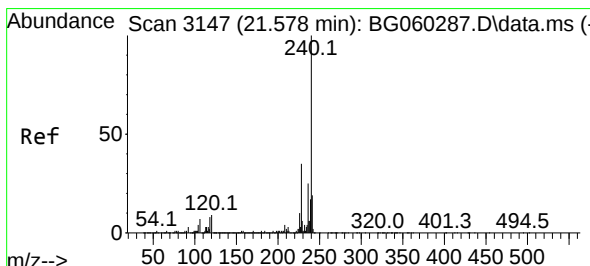
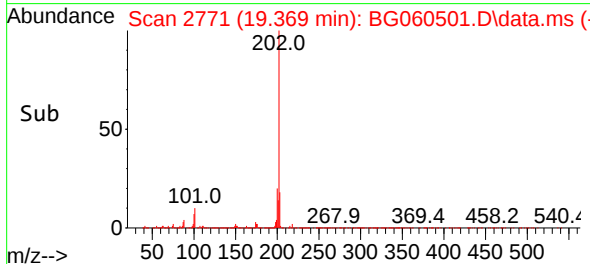
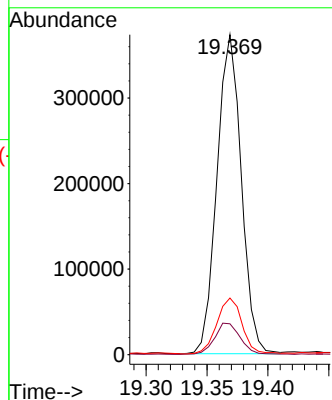
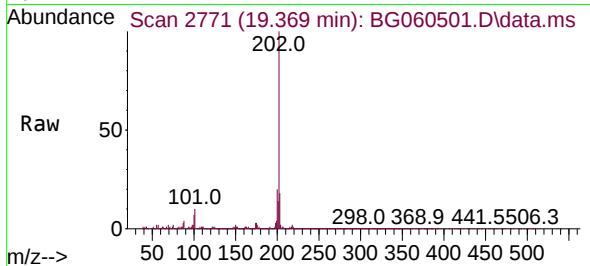




#75
Fluoranthene
Concen: 7.091 ng
RT: 19.369 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

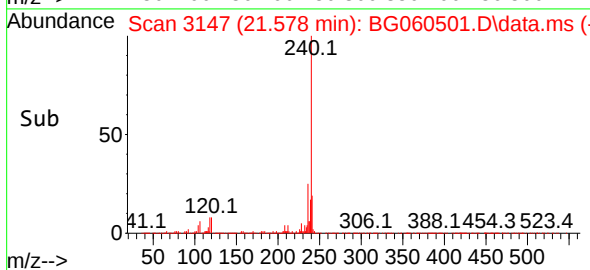
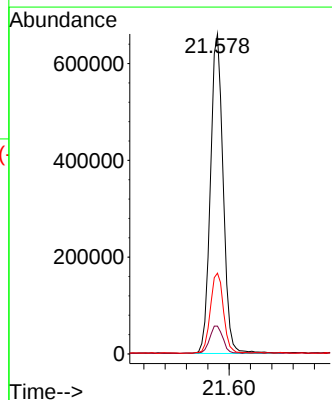
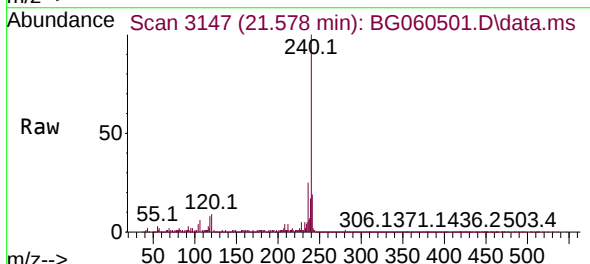
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

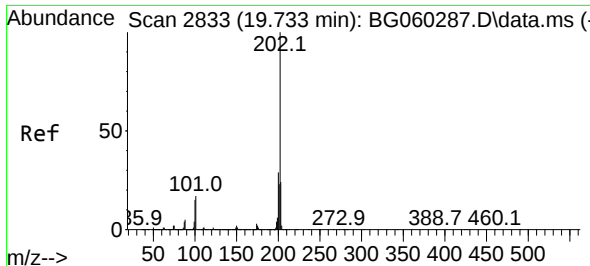
Tgt Ion:202 Resp: 517775
Ion Ratio Lower Upper
202 100
101 9.6 0.0 34.4
203 17.7 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3147
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:240 Resp: 1094114
Ion Ratio Lower Upper
240 100
120 8.7 7.3 10.9
236 25.2 20.3 30.5

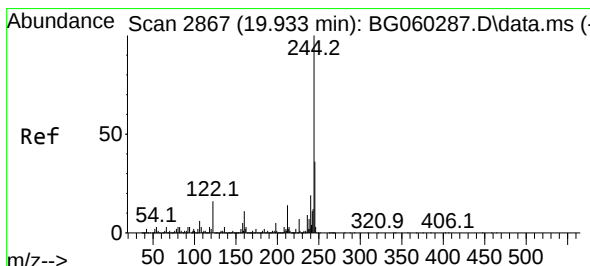
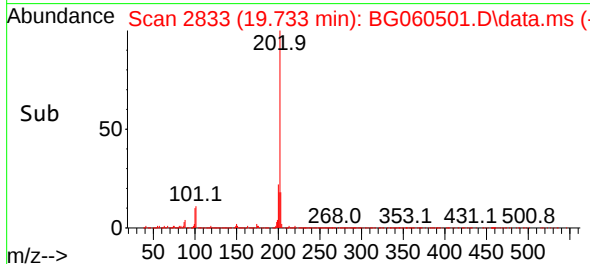
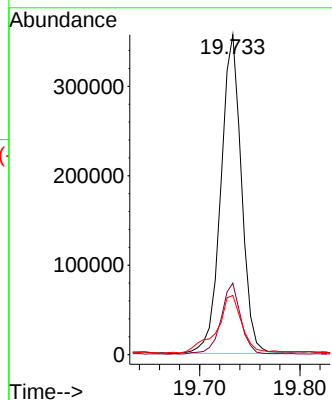
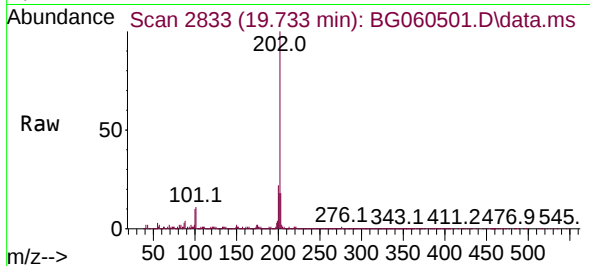




#78
 Pyrene
 Concen: 7.267 ng
 RT: 19.733 min Scan# 2833
 Delta R.T. -0.000 min
 Lab File: BG060501.D
 Acq: 31 Jan 2024 2:45

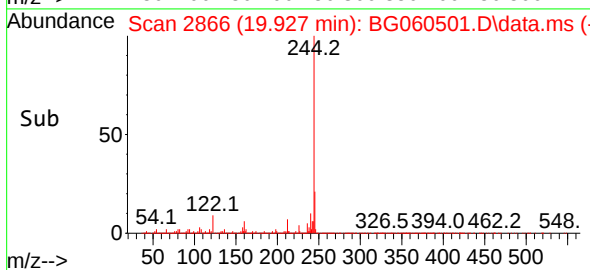
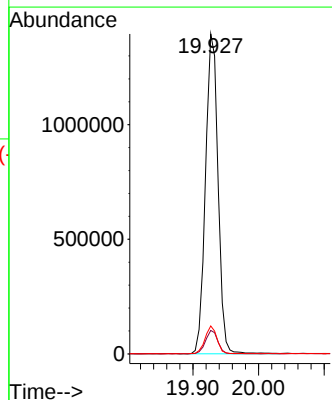
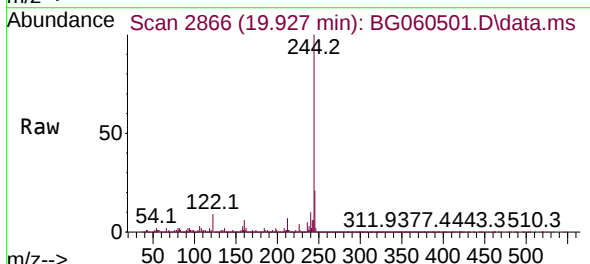
Instrument :
 BNA_G
 ClientSampleId :
 MR-308-17-19

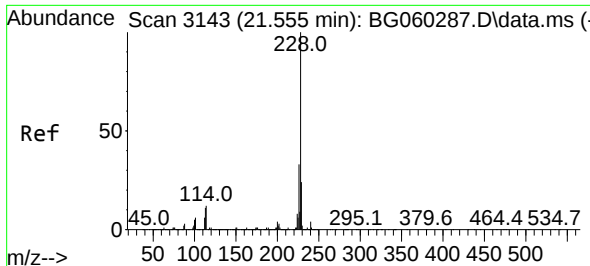
Tgt Ion:202 Resp: 507766
 Ion Ratio Lower Upper
 202 100
 200 22.3 23.5 35.3#
 203 18.5 19.6 29.4#



#79
 Terphenyl-d14
 Concen: 32.946 ng
 RT: 19.927 min Scan# 2866
 Delta R.T. -0.006 min
 Lab File: BG060501.D
 Acq: 31 Jan 2024 2:45

Tgt Ion:244 Resp: 1844279
 Ion Ratio Lower Upper
 244 100
 212 7.3 10.9 16.3#
 122 8.7 12.6 18.8#

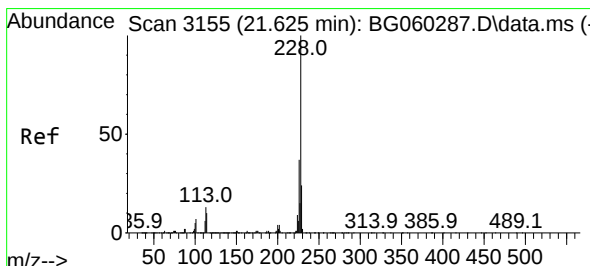
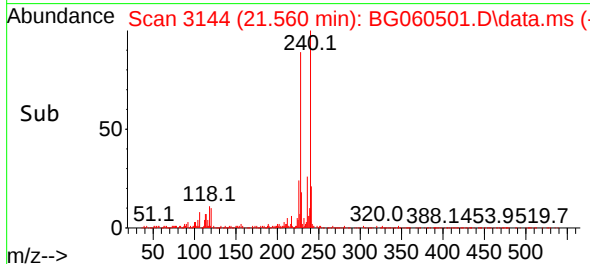
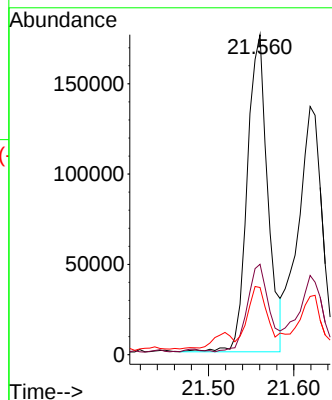
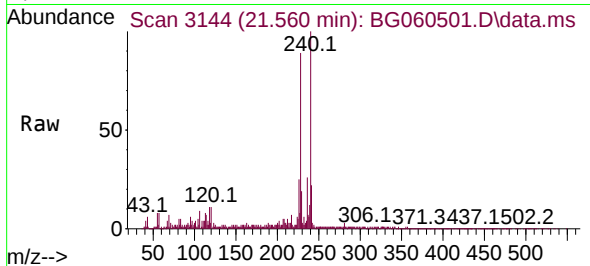




#81
Benzo(a)anthracene
Concen: 4.320 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

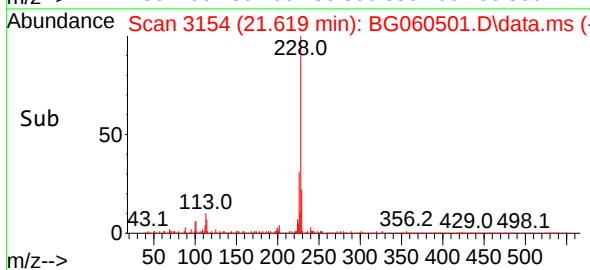
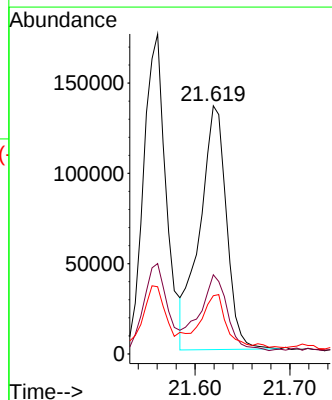
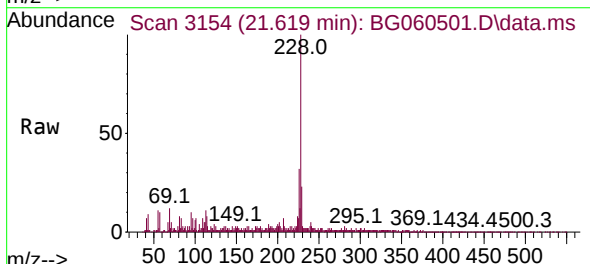
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

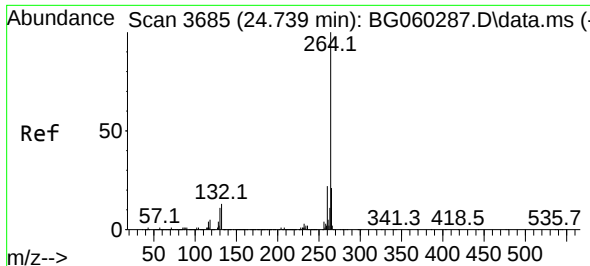
Tgt Ion:228 Resp: 292607
Ion Ratio Lower Upper
228 100
226 28.2 26.2 39.2
229 21.0 19.4 29.2



#83
Chrysene
Concen: 3.986 ng
RT: 21.619 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:228 Resp: 265531
Ion Ratio Lower Upper
228 100
226 31.9 29.4 44.2
229 23.5 19.2 28.8

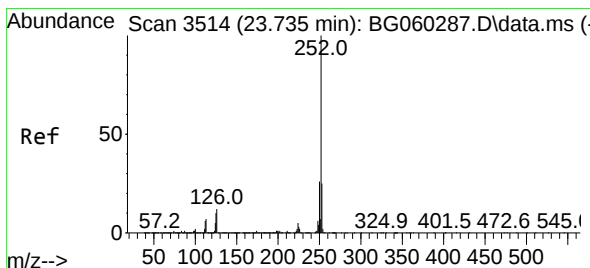
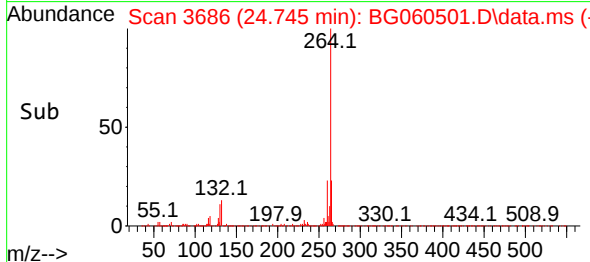
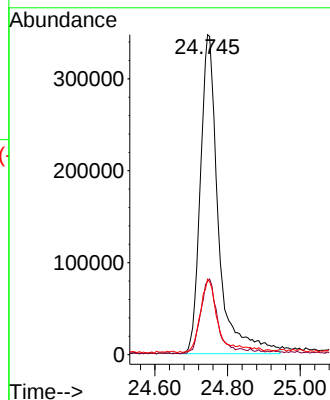
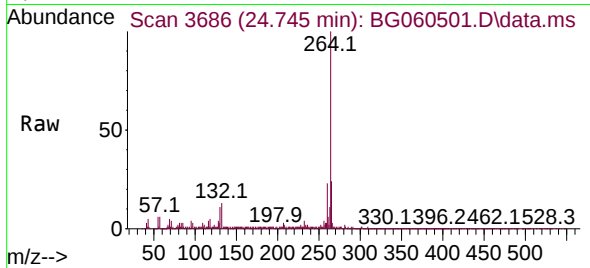




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.745 min Scan# 3686
Delta R.T. 0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

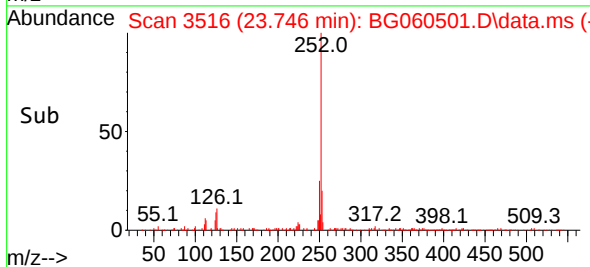
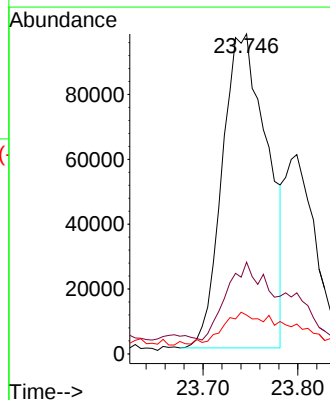
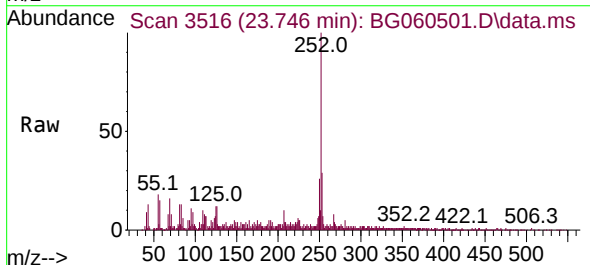
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

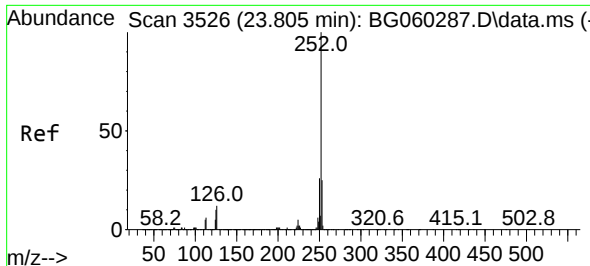
Tgt Ion:264 Resp: 1199424
Ion Ratio Lower Upper
264 100
260 22.9 17.8 26.6
265 23.6 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 4.530 ng
RT: 23.746 min Scan# 3516
Delta R.T. 0.011 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:252 Resp: 321016
Ion Ratio Lower Upper
252 100
253 28.7 20.0 30.0
125 12.1 8.1 12.1#

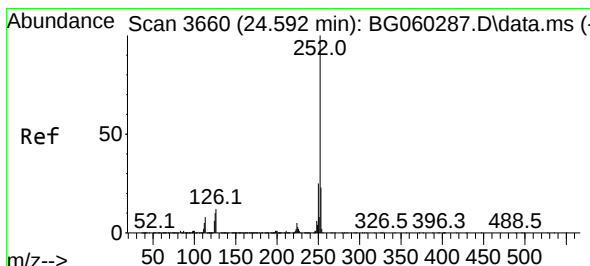
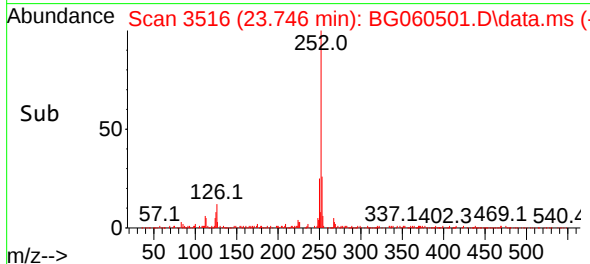
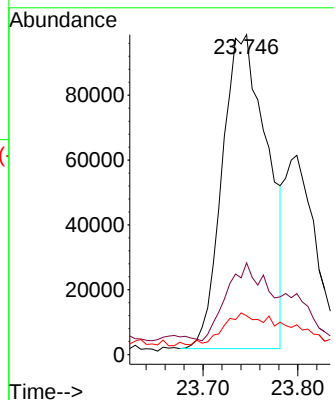
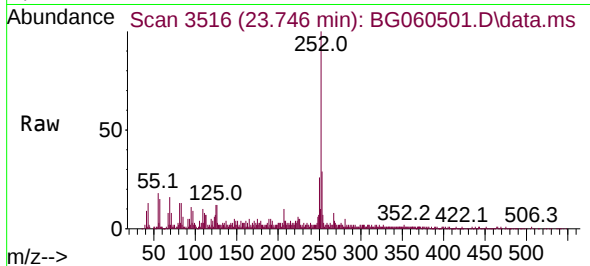




#89
Benzo(k)fluoranthene
Concen: 4.591 ng
RT: 23.746 min Scan# 3516
Delta R.T. -0.059 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

Tgt Ion:252 Resp: 321016
Ion Ratio Lower Upper
252 100
253 28.7 19.6 29.4
125 12.1 8.2 12.2



#90
Benzo(a)pyrene
Concen: 3.914 ng
RT: 24.592 min Scan# 3660
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:252 Resp: 250508
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 13.1 8.1 12.1#

