

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
 Data File : BG060426.D
 Acq On : 25 Jan 2024 13:49
 Operator : MA/JU
 Sample : P1248-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 14:24:00 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)

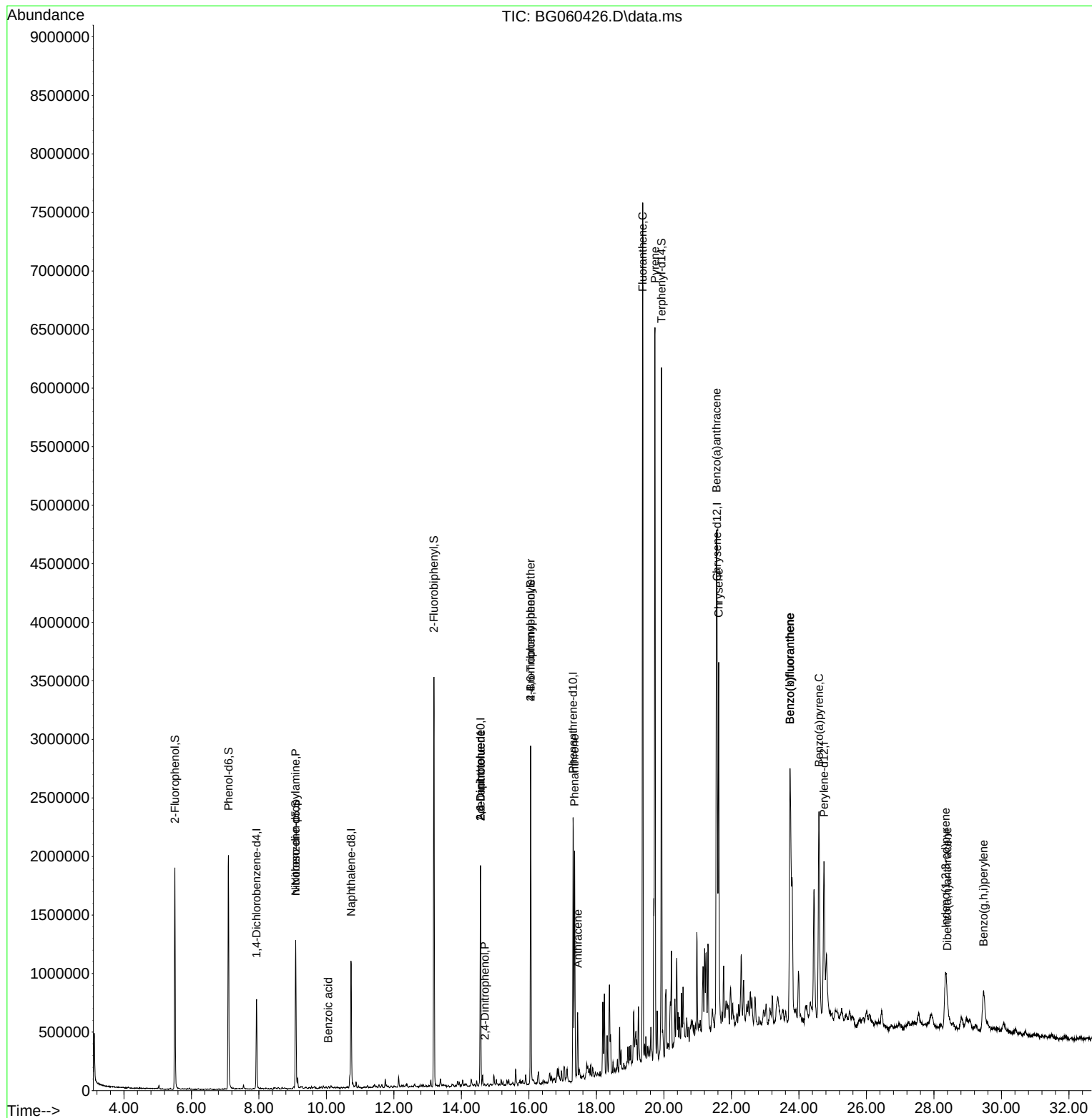
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	252181	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	988793	20.000	ng	0.00
39) Acenaphthene-d10	14.565	164	675461	20.000	ng	0.00
64) Phenanthrene-d10	17.308	188	1558776	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1372203	20.000	ng	0.00
86) Perylene-d12	24.741	264	1562563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.511	112	980941	63.979	ng	0.00
7) Phenol-d6	7.097	99	1400867	61.703	ng	0.00
23) Nitrobenzene-d5	9.089	82	887452	42.380	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	638068	64.205	ng	0.00
45) 2-Fluorobiphenyl	13.184	172	2052893	42.255	ng	0.00
79) Terphenyl-d14	19.929	244	2888250	43.881	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.089	70	105237	6.697	ng	# 82
32) Benzoic acid	10.052	122	77	10.207	ng	# 42
51) 2,6-Dinitrotoluene	14.565	165	96758	8.785	ng	# 34
54) 2,4-Dinitrophenol	14.694	184	56	8.594	ng	# 1
57) 2,4-Dinitrotoluene	14.565	165	96758	6.406	ng	# 26
67) 4-Bromophenyl-phenylether	16.051	248	40577	2.369	ng	# 1
71) Phenanthrene	17.350	178	1344039	17.839	ng	94
72) Anthracene	17.444	178	405943	5.396	ng	93
75) Fluoranthene	19.371	202	4429704	48.949	ng	99
78) Pyrene	19.735	202	4095955	46.742	ng	95
81) Benzo(a)anthracene	21.556	228	2568591	30.237	ng	96
83) Chrysene	21.621	228	2152343	25.762	ng	92
87) Indeno(1,2,3-cd)pyrene	28.343	276	1042295	9.593	ng	94
88) Benzo(b)fluoranthene	23.736	252	2764510	29.948	ng	97
89) Benzo(k)fluoranthene	23.736	252	2764510	30.349	ng	97
90) Benzo(a)pyrene	24.594	252	2196124	26.336	ng	99
91) Dibenzo(a,h)anthracene	28.390	278	247126	2.785	ng	93
92) Benzo(g,h,i)perylene	29.471	276	988348	10.868	ng	98

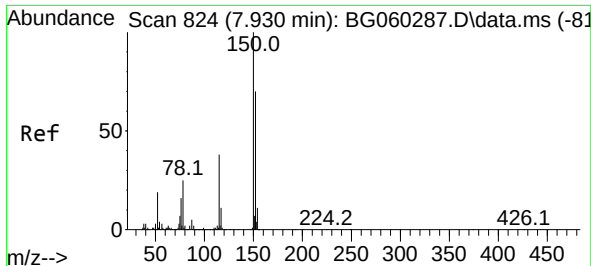
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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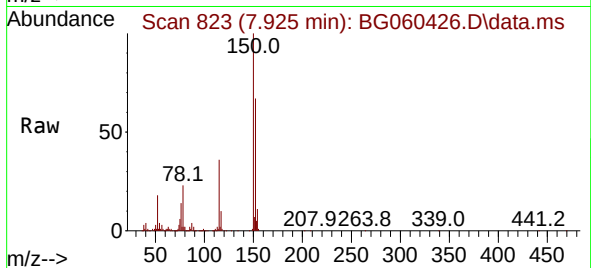
Quant Time: Jan 25 14:24:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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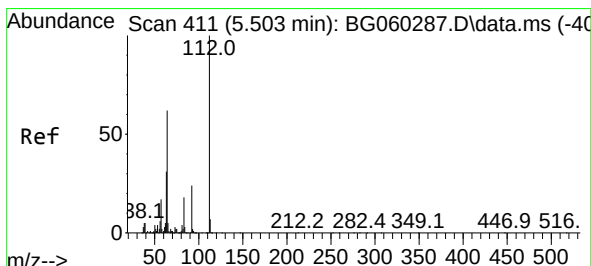
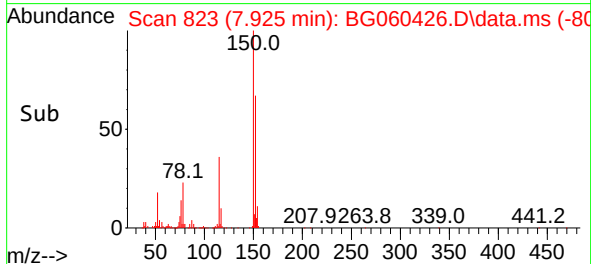
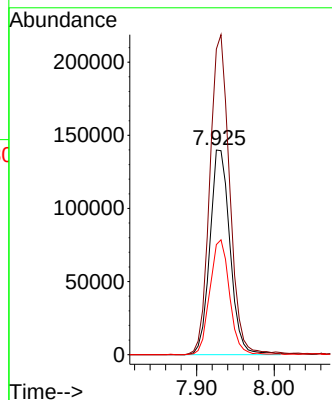


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Instrument :
BNA_G
ClientSampleId :

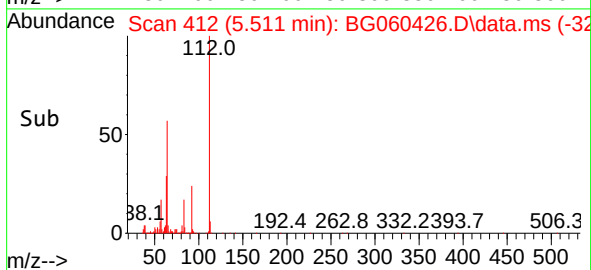
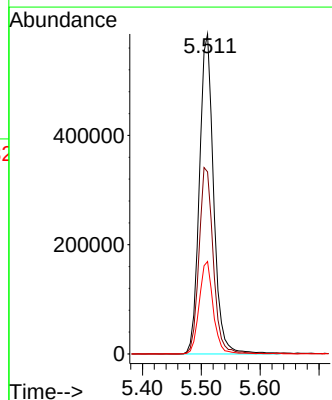
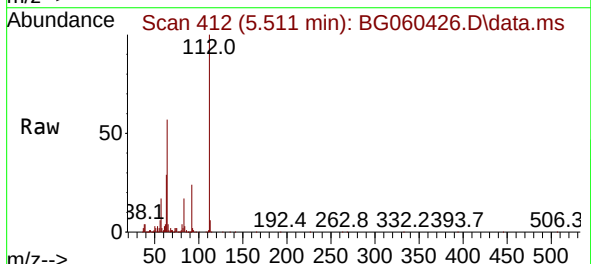


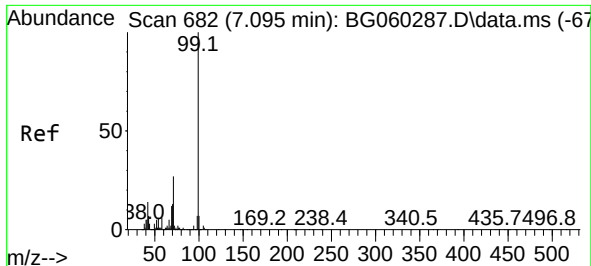
Tgt Ion:152 Resp: 252181
Ion Ratio Lower Upper
152 100
150 149.4 114.5 171.7
115 53.8 43.0 64.6



#5
2-Fluorophenol
Concen: 63.979 ng
RT: 5.511 min Scan# 412
Delta R.T. 0.008 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

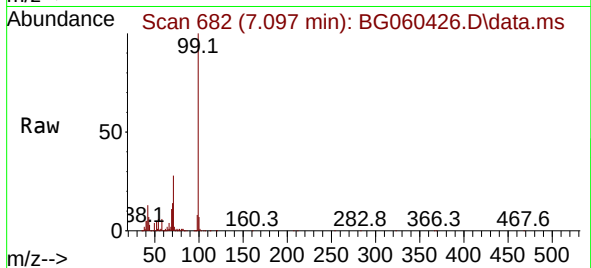
Tgt Ion:112 Resp: 980941
Ion Ratio Lower Upper
112 100
64 56.9 49.8 74.6
63 28.9 24.4 36.6





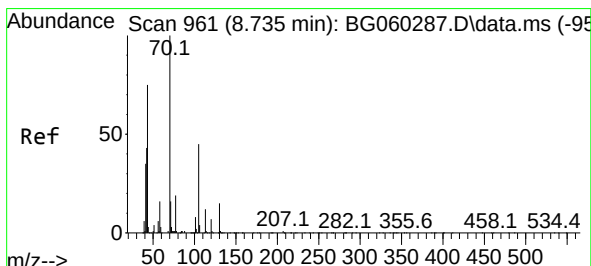
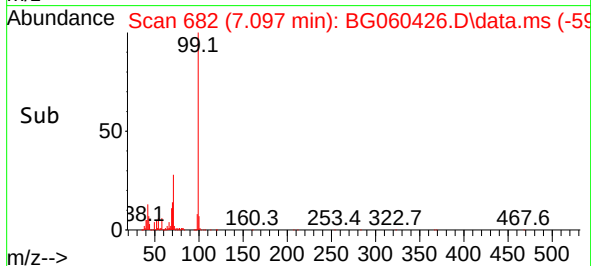
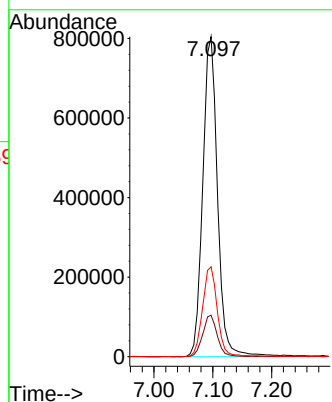
#7
Phenol-d6
Concen: 61.703 ng
RT: 7.097 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Instrument :
BNA_G
ClientSampleId :



Tgt Ion: 99 Resp: 1400867

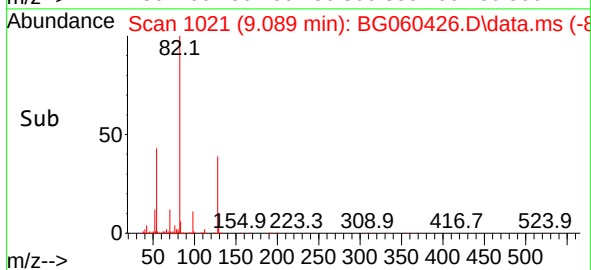
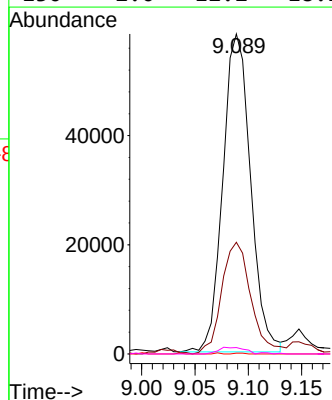
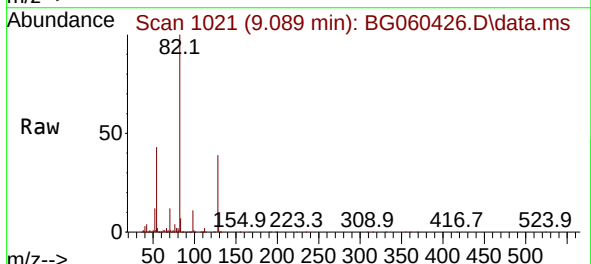
Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.9	16.3
71	28.1	21.5	32.3

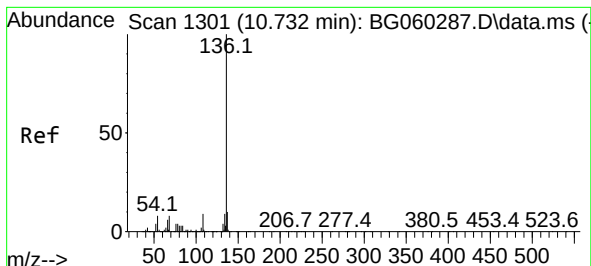


#19
n-Nitroso-di-n-propylamine
Concen: 6.697 ng
RT: 9.089 min Scan# 1021
Delta R.T. 0.354 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion: 70 Resp: 105237

Ion	Ratio	Lower	Upper
70	100		
42	34.9	34.3	51.5
101	0.3	6.2	9.2#
130	2.0	12.2	18.2#

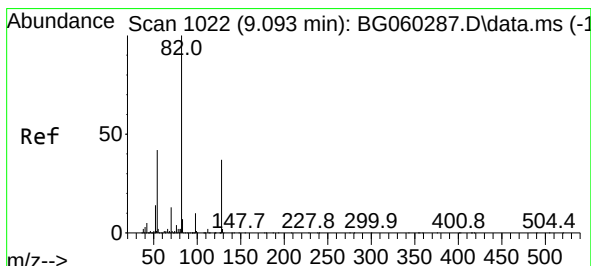
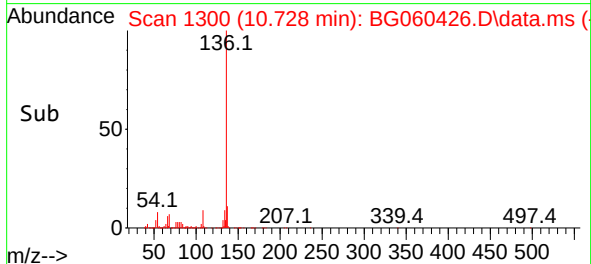
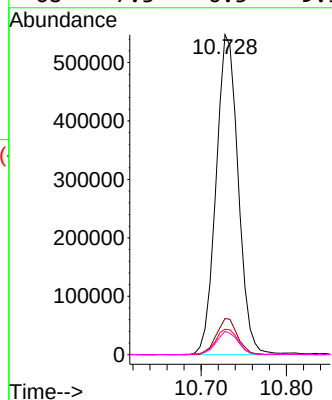
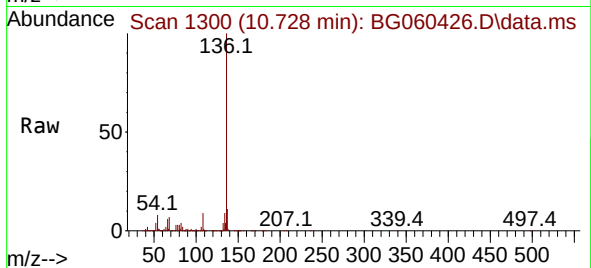




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1300
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

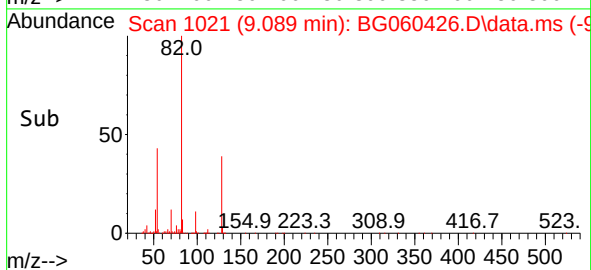
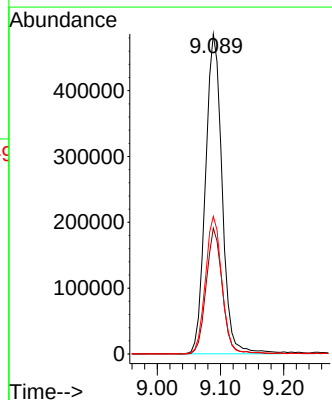
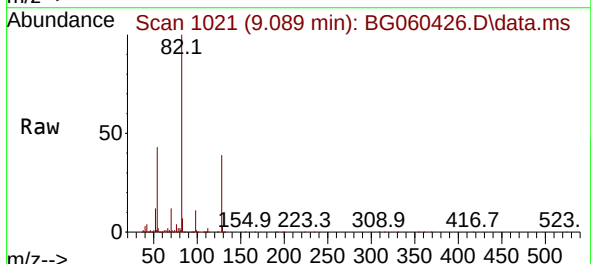
Instrument :
BNA_G
ClientSampleId :

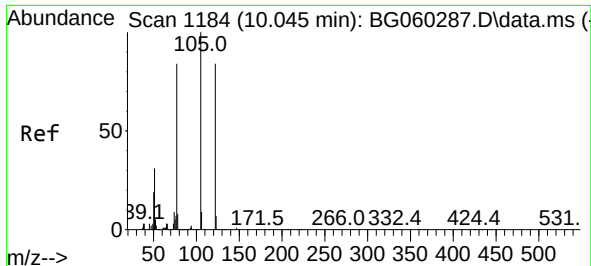
Tgt Ion:	136	Resp:	988793
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.2	12.4
54	8.0	6.2	9.2
68	7.3	6.3	9.5



#23
Nitrobenzene-d5
Concen: 42.380 ng
RT: 9.089 min Scan# 1021
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

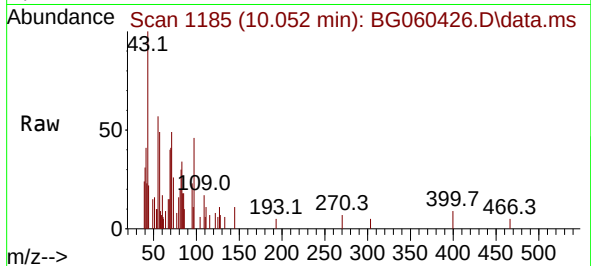
Tgt Ion:	82	Resp:	887452
Ion Ratio	Lower	Upper	
82	100		
128	39.3	29.6	44.4
54	43.0	33.6	50.4



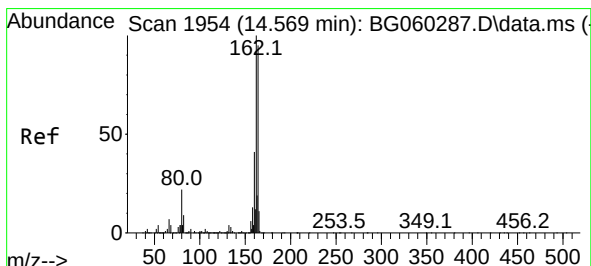
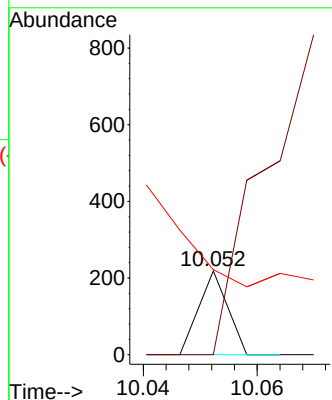
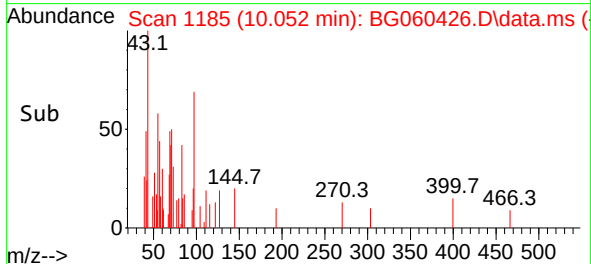


#32
Benzoic acid
Concen: 10.207 ng
RT: 10.052 min Scan# 1184
Delta R.T. 0.007 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Instrument :
BNA_G
ClientSampleId :

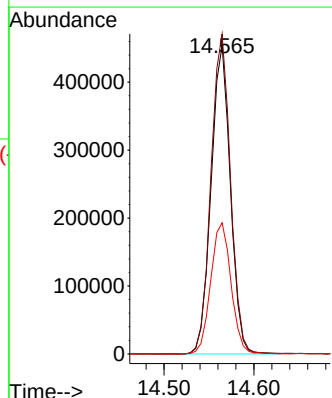
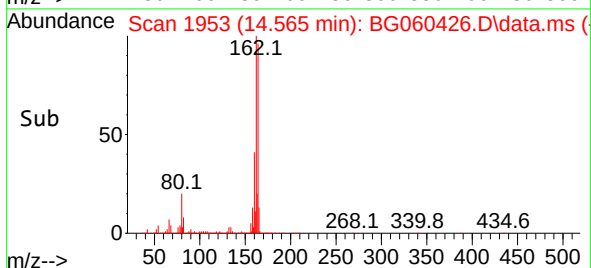
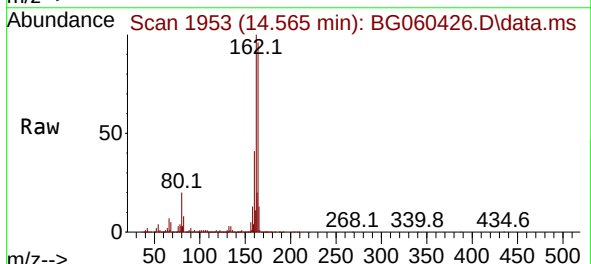


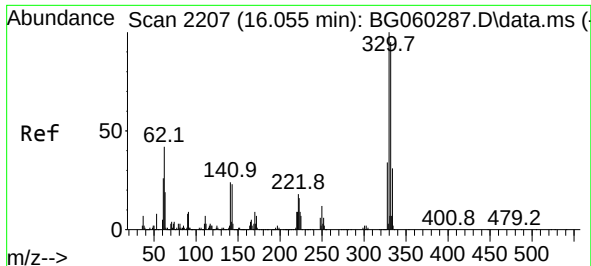
Tgt Ion:122 Resp: 77
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 101.4 80.1 120.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.565 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:164 Resp: 675461
Ion Ratio Lower Upper
164 100
162 103.8 84.4 126.6
160 42.5 34.6 52.0

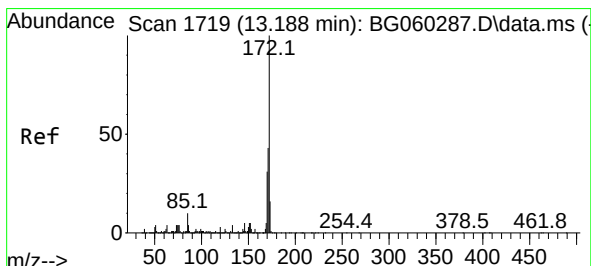
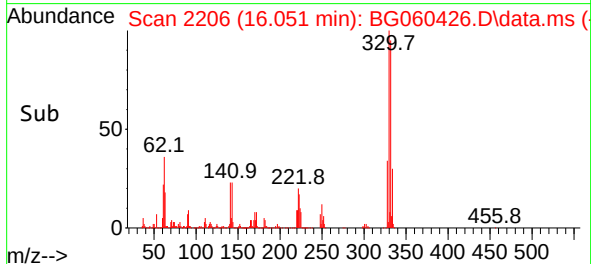
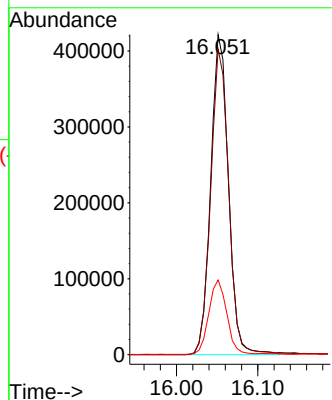
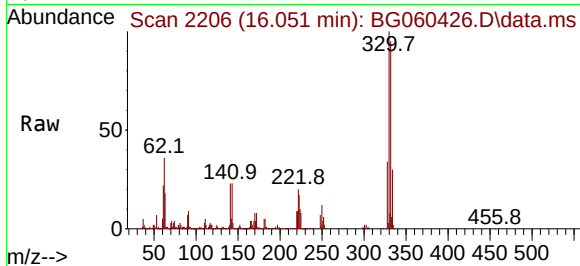




#42
2,4,6-Tribromophenol
Concen: 64.205 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

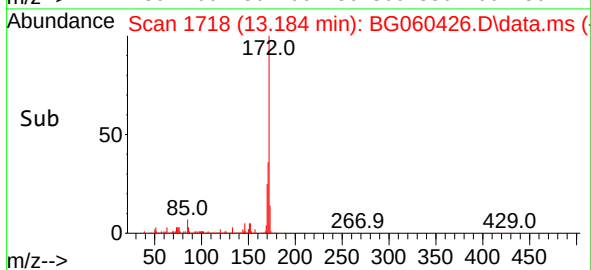
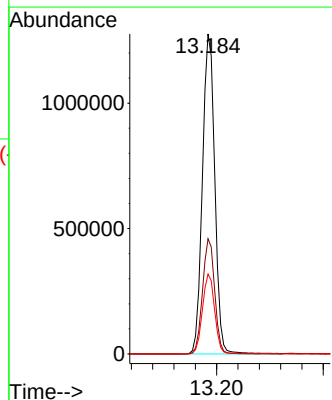
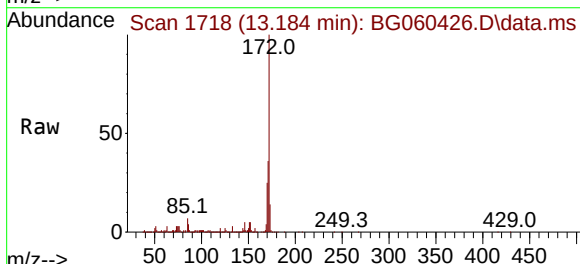
Instrument :
BNA_G
ClientSampleId :

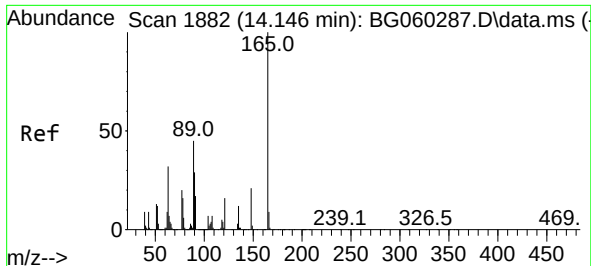
Tgt Ion:330 Resp: 638068
Ion Ratio Lower Upper
330 100
332 97.4 76.7 115.1
141 23.5 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 42.255 ng
RT: 13.184 min Scan# 1718
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:172 Resp: 2052893
Ion Ratio Lower Upper
172 100
171 36.0 34.6 51.8
170 24.9 24.4 36.6

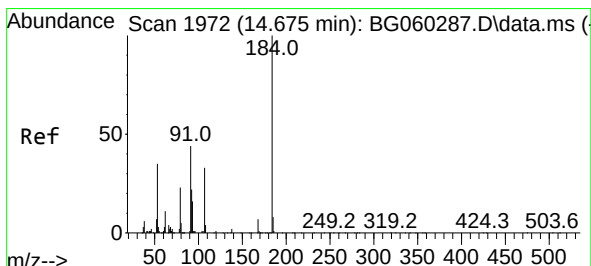
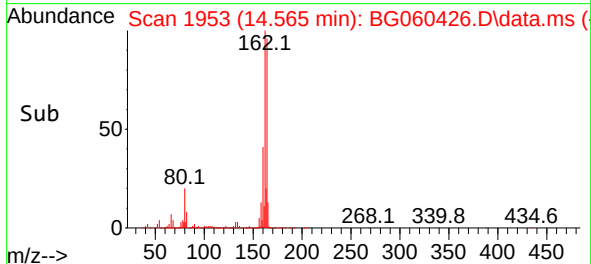
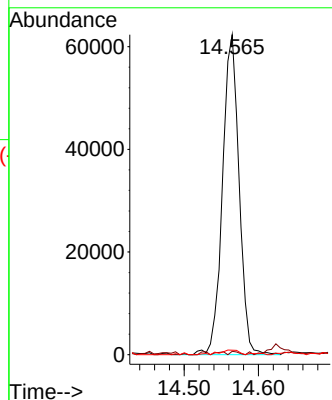
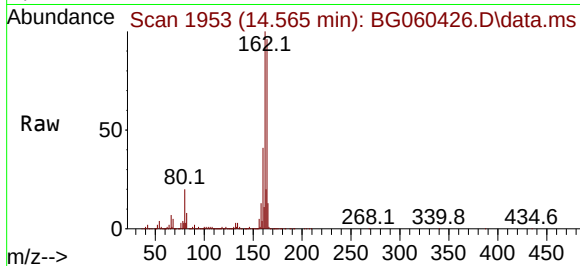




#51
2,6-Dinitrotoluene
Concen: 8.785 ng
RT: 14.565 min Scan# 1953
Delta R.T. 0.419 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

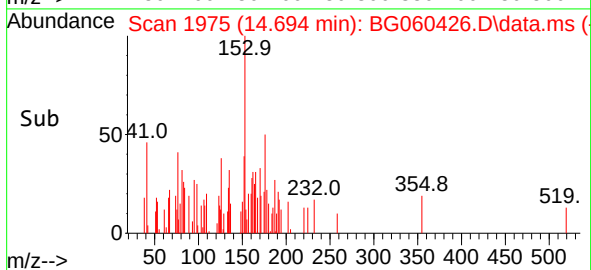
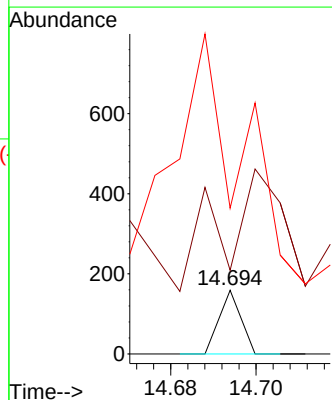
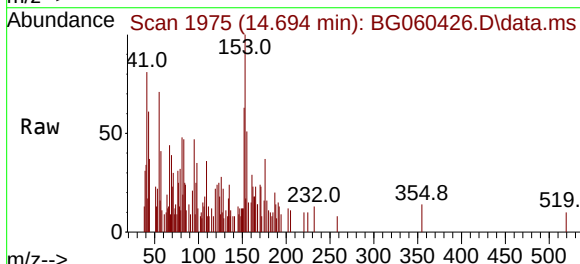
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ClientSampleId :

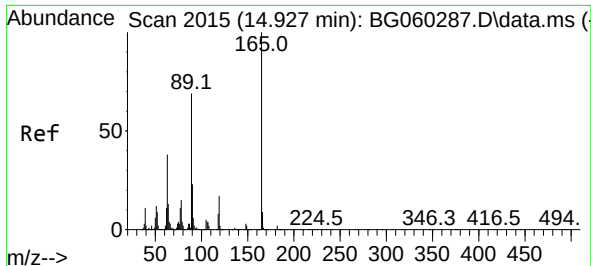
Tgt Ion:165 Resp: 96758
Ion Ratio Lower Upper
165 100
63 1.1 35.0 52.4#
89 1.4 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.594 ng
RT: 14.694 min Scan# 1975
Delta R.T. 0.019 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 131.4 41.0 61.4#
154 228.9 39.2 58.8#





#57

2,4-Dinitrotoluene

Concen: 6.406 ng

RT: 14.565 min Scan# 1953

Delta R.T. -0.363 min

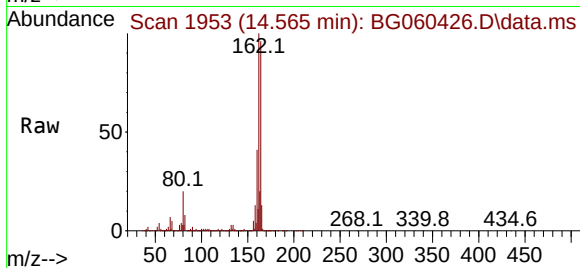
Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 96758

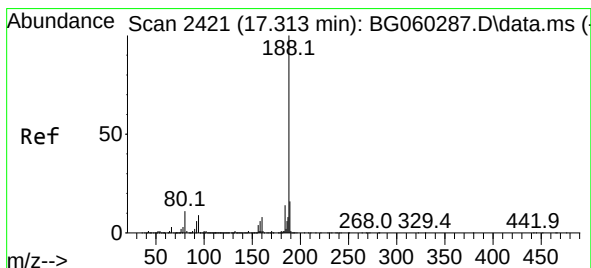
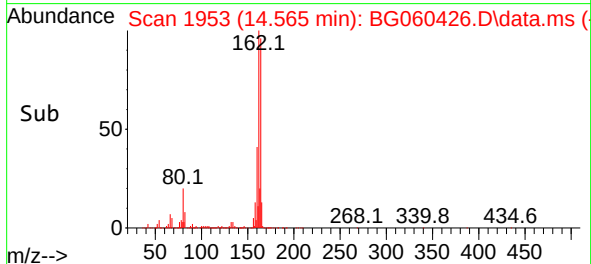
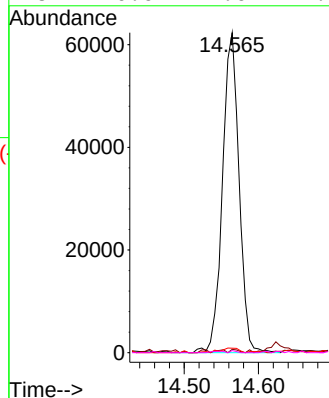
Ion Ratio Lower Upper

165 100

63 1.1 30.4 45.6#

89 1.4 55.4 83.0#

182 0.6 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.308 min Scan# 2420

Delta R.T. -0.004 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

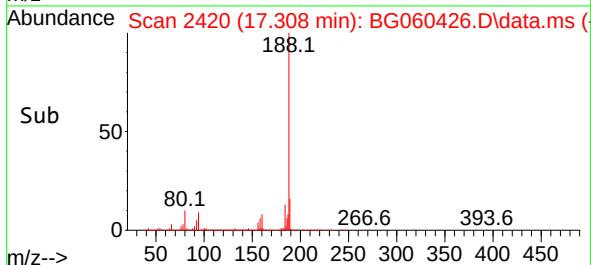
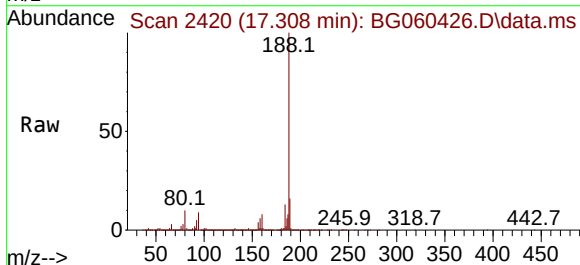
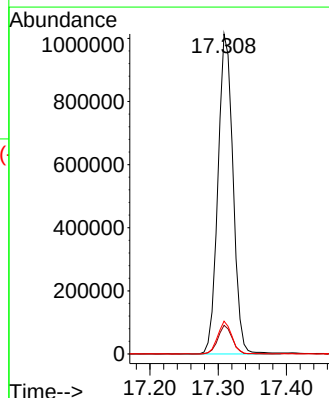
Tgt Ion:188 Resp: 1558776

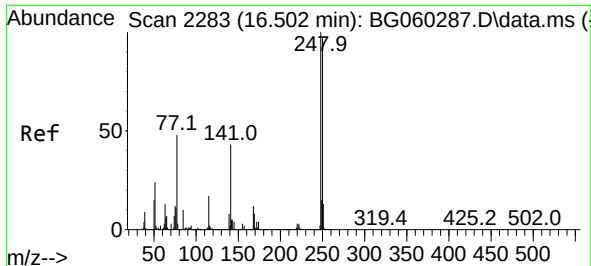
Ion Ratio Lower Upper

188 100

94 8.9 7.1 10.7

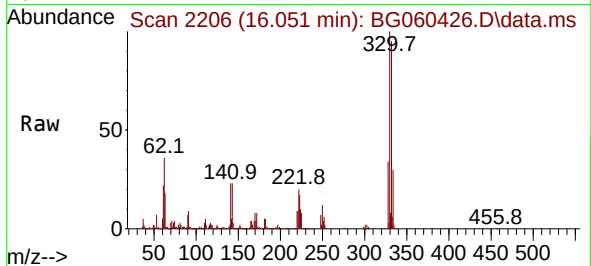
80 10.3 8.5 12.7



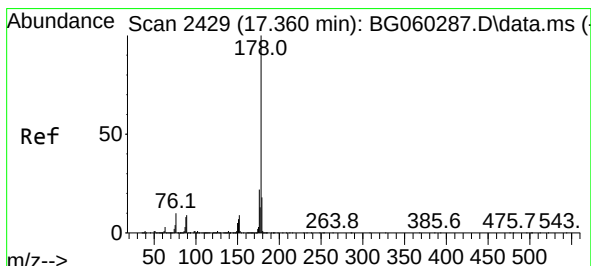
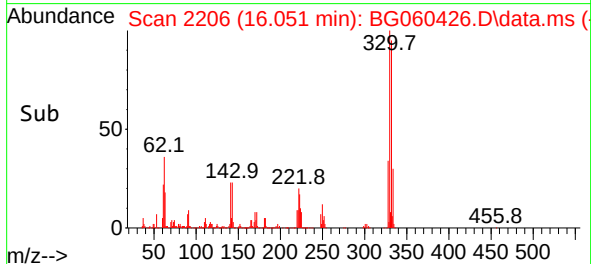
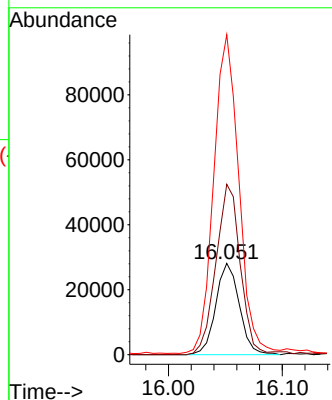


#67
4-Bromophenyl-phenylether
Concen: 2.369 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.451 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Instrument :
BNA_G
ClientSampleId :

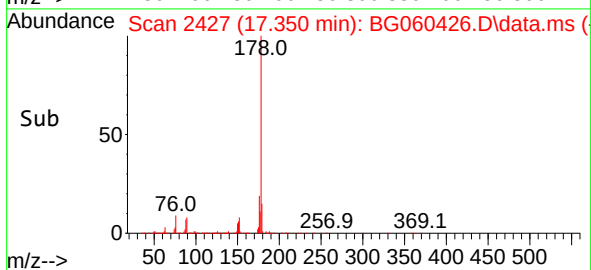
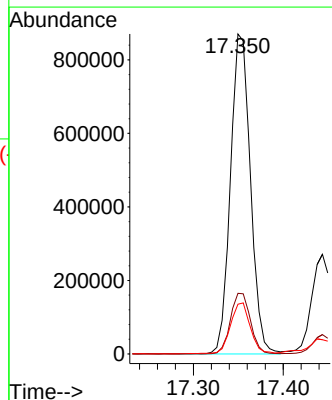
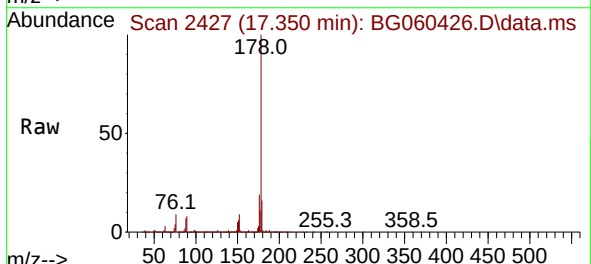


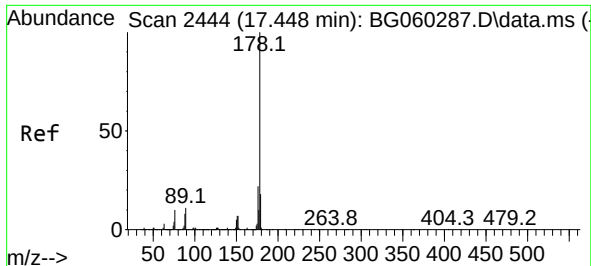
Tgt Ion:248 Resp: 40577
Ion Ratio Lower Upper
248 100
250 186.5 77.6 116.4#
141 350.3 34.2 51.4#



#71
Phenanthrene
Concen: 17.839 ng
RT: 17.350 min Scan# 2427
Delta R.T. -0.010 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

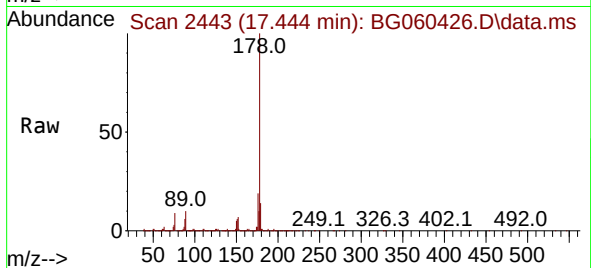
Tgt Ion:178 Resp: 1344039
Ion Ratio Lower Upper
178 100
176 18.9 17.4 26.2
179 15.5 14.7 22.1





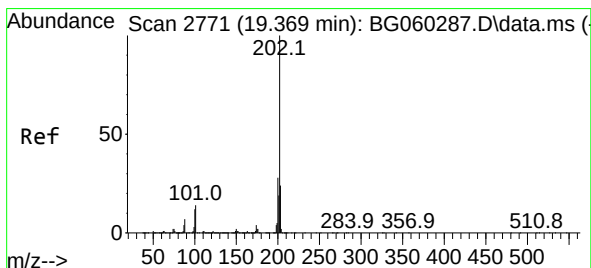
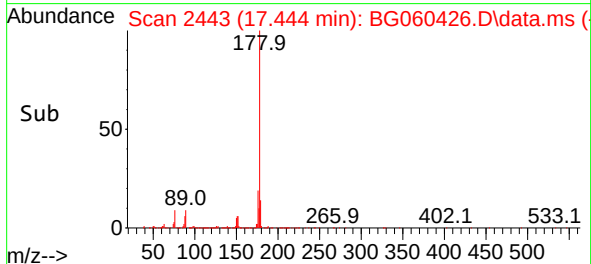
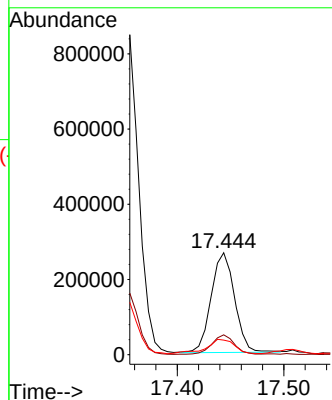
#72
 Anthracene
 Concen: 5.396 ng
 RT: 17.444 min Scan# 2444
 Delta R.T. -0.004 min
 Lab File: BG060426.D
 Acq: 25 Jan 2024 13:49

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:178 Resp: 405943

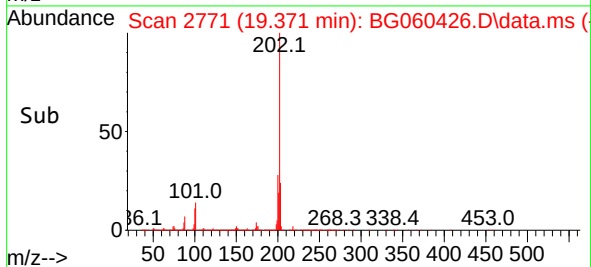
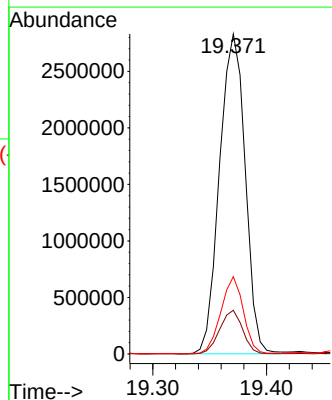
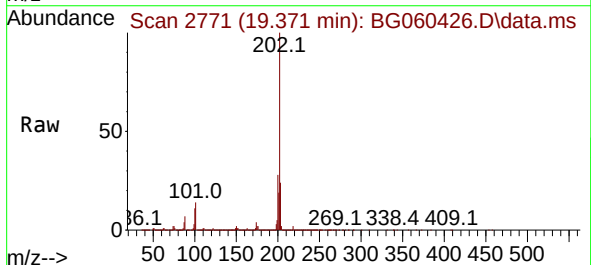
Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.8	26.6
179	14.3	14.1	21.1

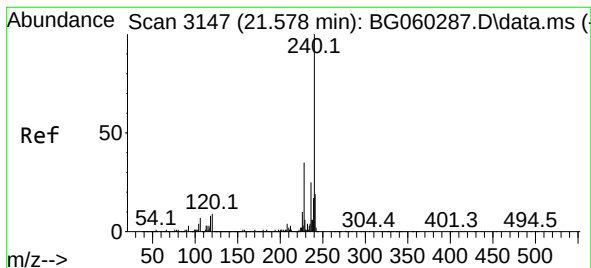


#75
 Fluoranthene
 Concen: 48.949 ng
 RT: 19.371 min Scan# 2771
 Delta R.T. 0.002 min
 Lab File: BG060426.D
 Acq: 25 Jan 2024 13:49

Tgt Ion:202 Resp: 4429704

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.4
203	24.2	4.0	44.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3146

Delta R.T. -0.004 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

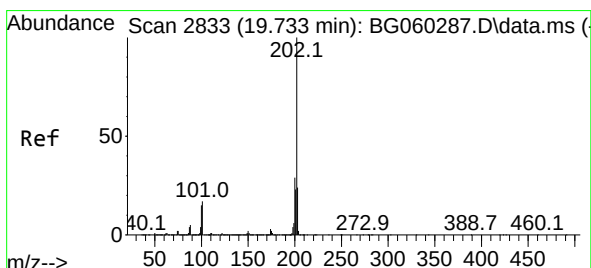
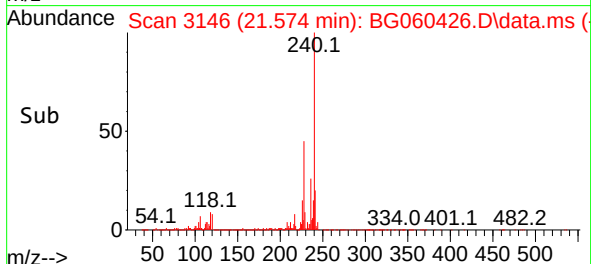
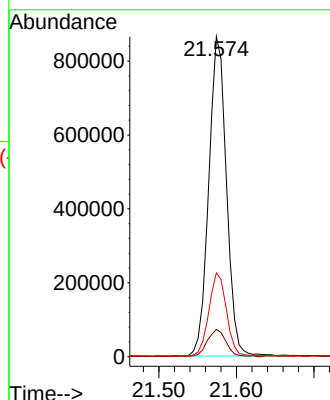
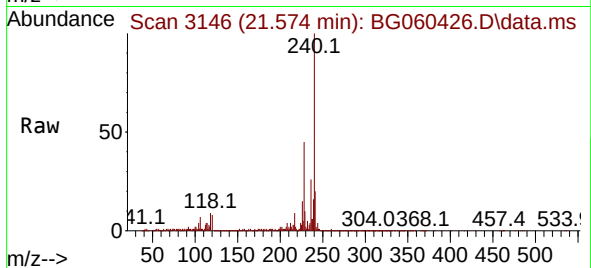
Tgt Ion:240 Resp: 1372203

Ion Ratio Lower Upper

240 100

120 8.5 7.3 10.9

236 26.2 20.3 30.5



#78

Pyrene

Concen: 46.742 ng

RT: 19.735 min Scan# 2833

Delta R.T. 0.002 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

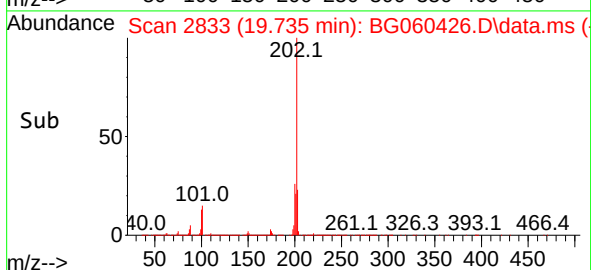
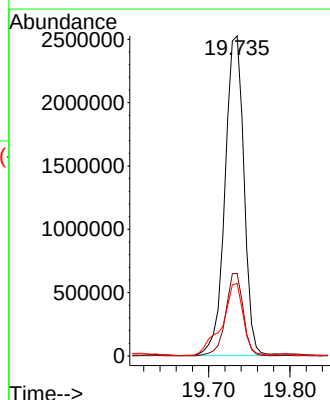
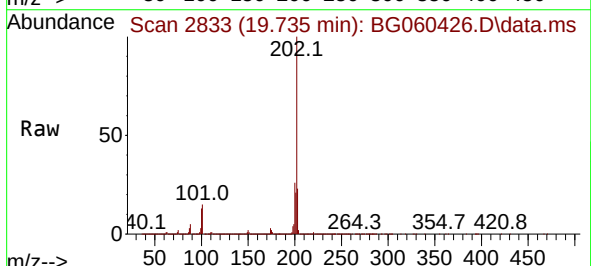
Tgt Ion:202 Resp: 4095955

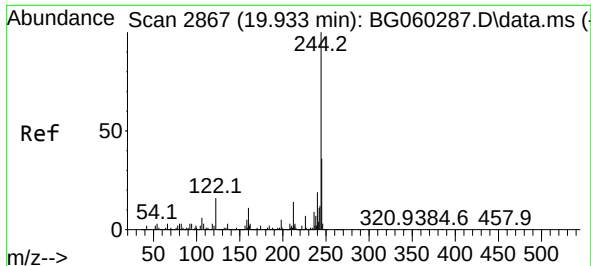
Ion Ratio Lower Upper

202 100

200 25.8 23.5 35.3

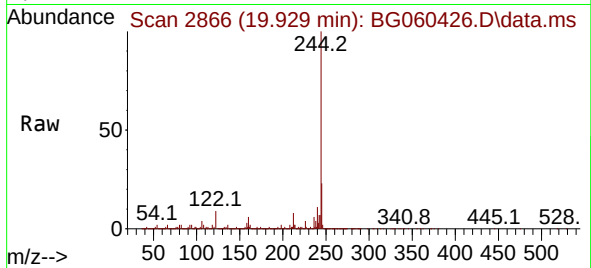
203 22.6 19.6 29.4



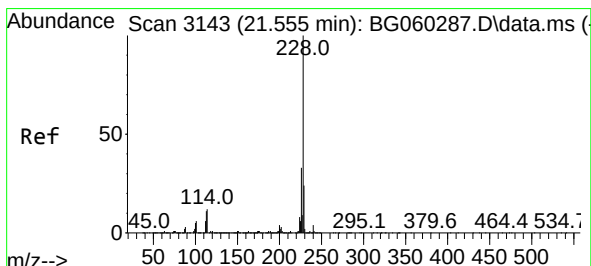
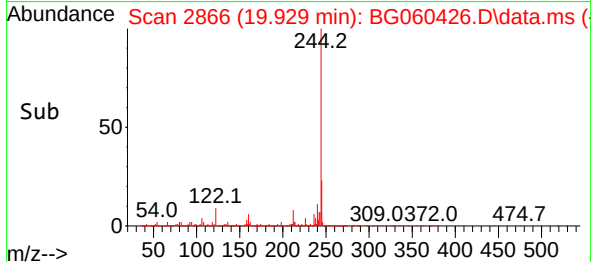
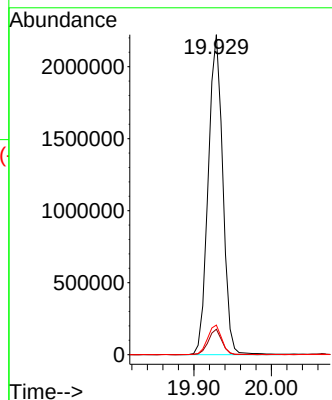


#79
 Terphenyl-d14
 Concen: 43.881 ng
 RT: 19.929 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG060426.D
 Acq: 25 Jan 2024 13:49

Instrument :
 BNA_G
 ClientSampleId :

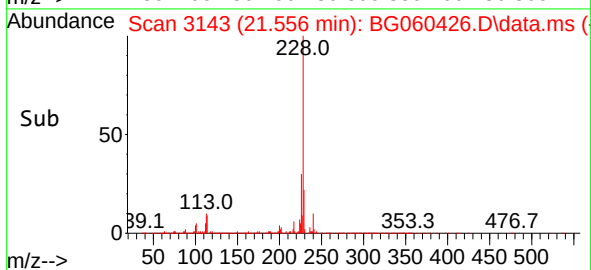
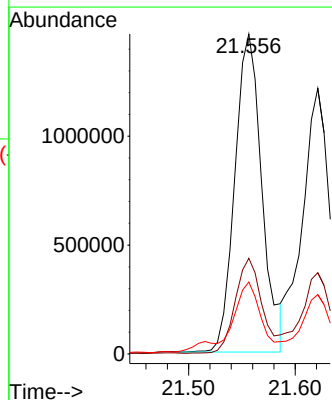
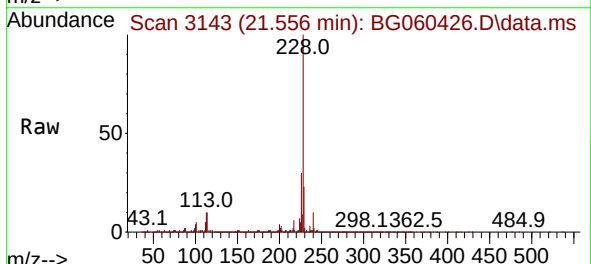


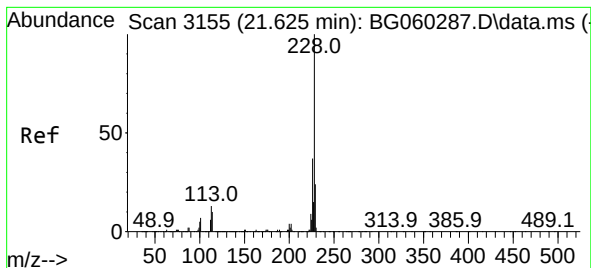
Tgt Ion:244 Resp: 2888250
 Ion Ratio Lower Upper
 244 100
 212 8.0 10.9 16.3#
 122 9.2 12.6 18.8#



#81
 Benzo(a)anthracene
 Concen: 30.237 ng
 RT: 21.556 min Scan# 3143
 Delta R.T. 0.002 min
 Lab File: BG060426.D
 Acq: 25 Jan 2024 13:49

Tgt Ion:228 Resp: 2568591
 Ion Ratio Lower Upper
 228 100
 226 29.9 26.2 39.2
 229 22.5 19.4 29.2





#83

Chrysene

Concen: 25.762 ng

RT: 21.621 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

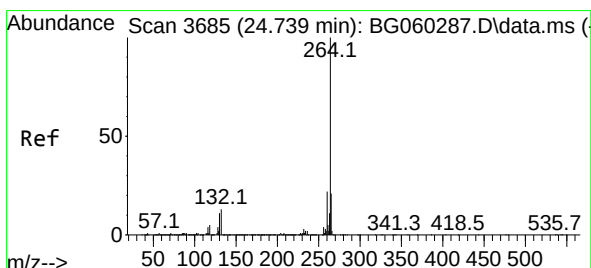
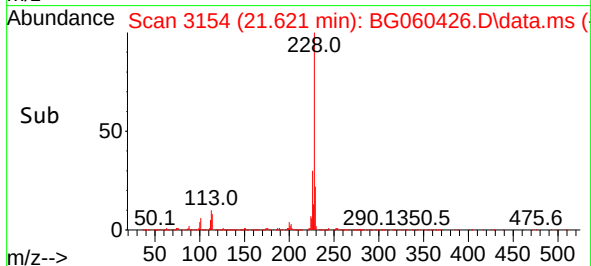
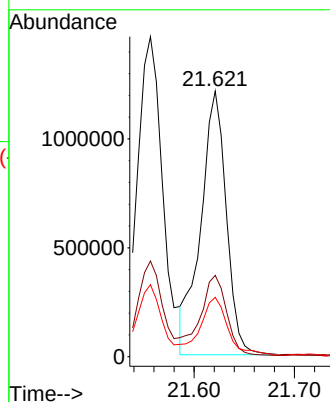
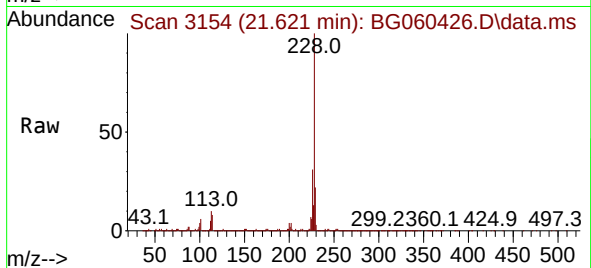
Tgt Ion:228 Resp: 2152343

Ion Ratio Lower Upper

228 100

226 30.6 29.4 44.2

229 22.4 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.741 min Scan# 3685

Delta R.T. 0.002 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

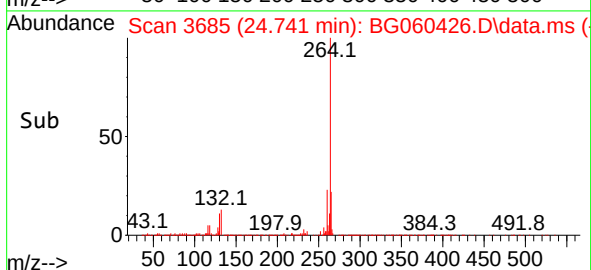
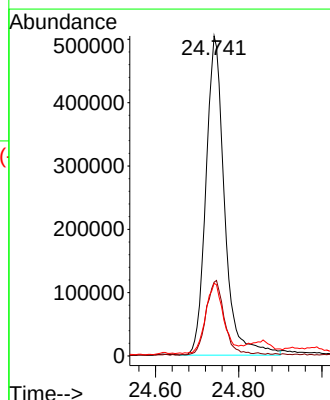
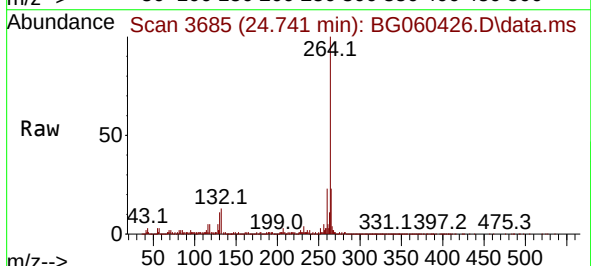
Tgt Ion:264 Resp: 1562563

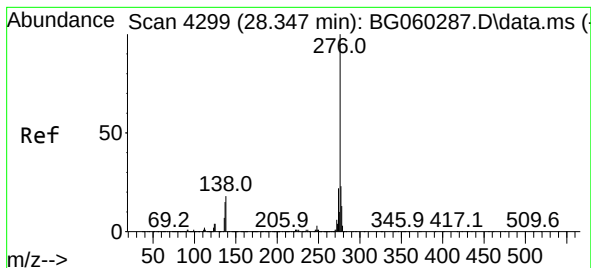
Ion Ratio Lower Upper

264 100

260 23.1 17.8 26.6

265 22.7 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.593 ng

RT: 28.343 min Scan# 4299

Delta R.T. -0.004 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

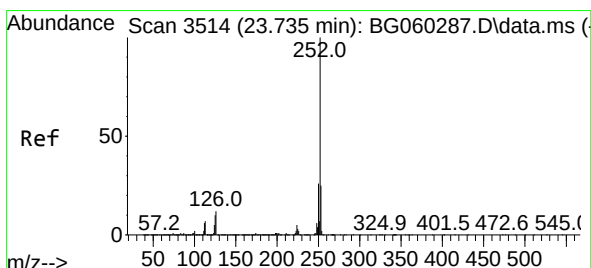
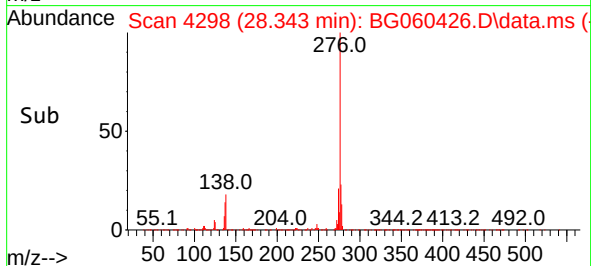
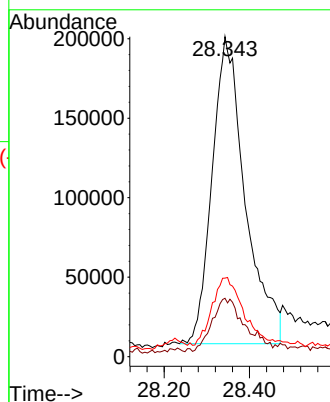
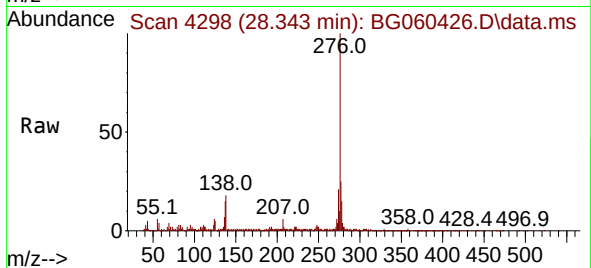
Tgt Ion:276 Resp: 1042295

Ion Ratio Lower Upper

276 100

138 17.1 12.5 18.7

277 22.0 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 29.948 ng

RT: 23.736 min Scan# 3514

Delta R.T. 0.002 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

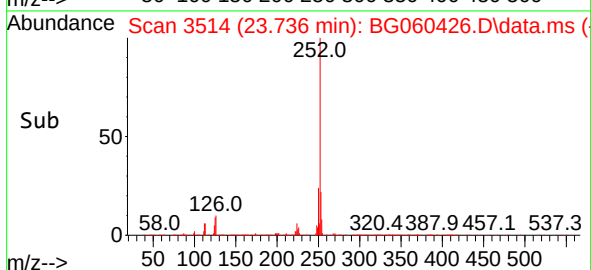
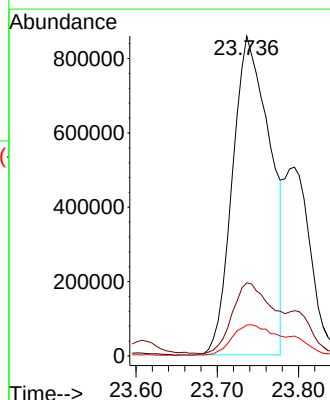
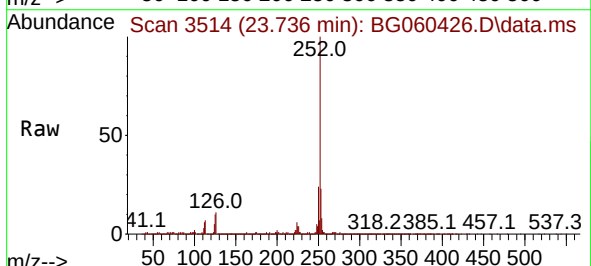
Tgt Ion:252 Resp: 2764510

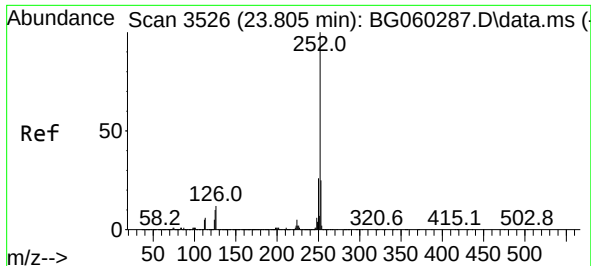
Ion Ratio Lower Upper

252 100

253 22.9 20.0 30.0

125 9.6 8.1 12.1

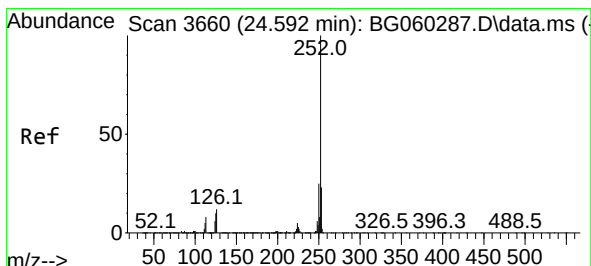
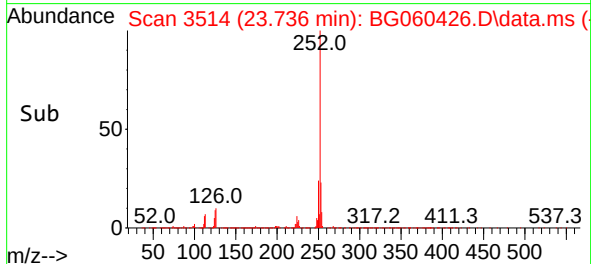
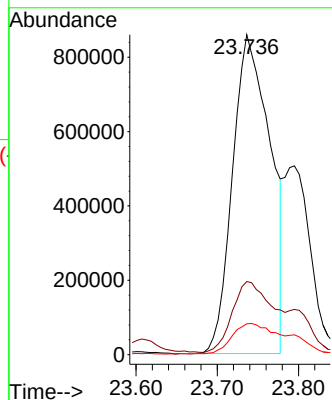
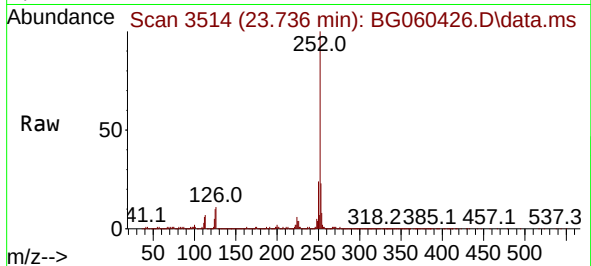




#89
Benzo(k)fluoranthene
Concen: 30.349 ng
RT: 23.736 min Scan# 31
Delta R.T. -0.069 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

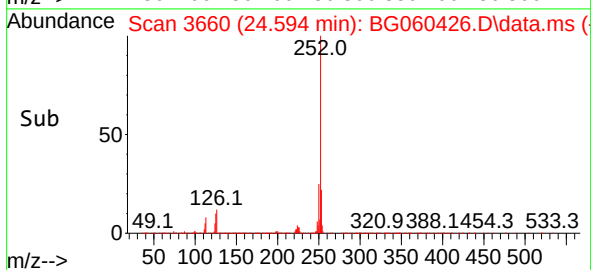
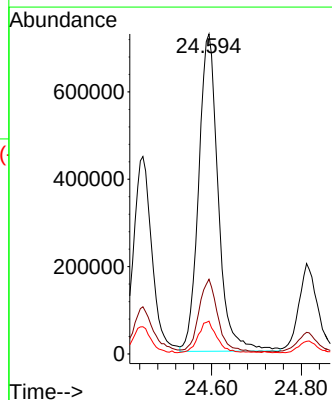
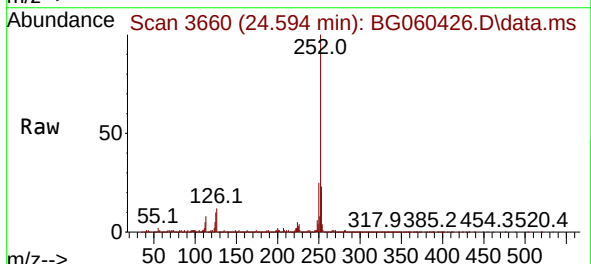
Instrument :
BNA_G
ClientSampleId :

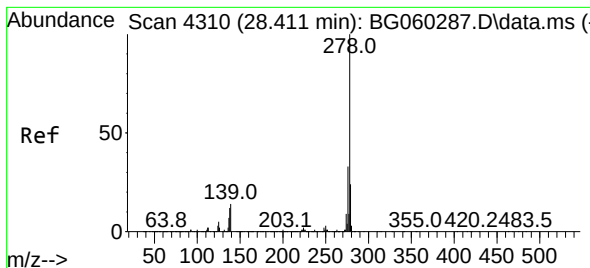
Tgt Ion:252 Resp: 2764510
Ion Ratio Lower Upper
252 100
253 22.9 19.6 29.4
125 9.6 8.2 12.2



#90
Benzo(a)pyrene
Concen: 26.336 ng
RT: 24.594 min Scan# 3660
Delta R.T. 0.002 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:252 Resp: 2196124
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 10.3 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 2.785 ng

RT: 28.390 min Scan# 41

Delta R.T. -0.022 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

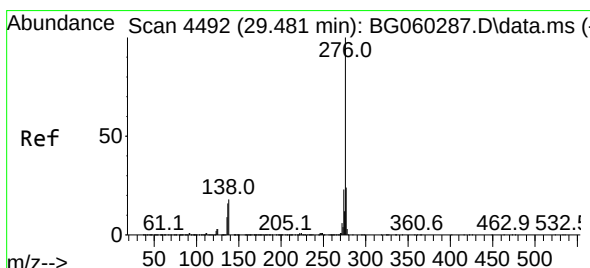
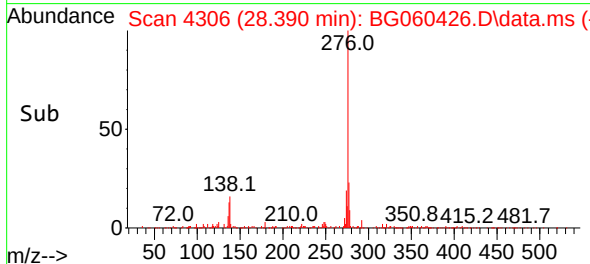
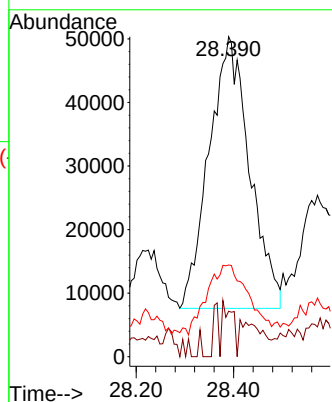
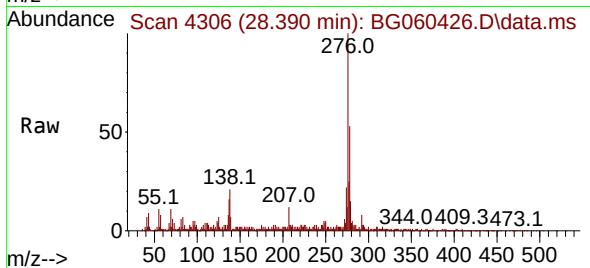
Tgt Ion:278 Resp: 247126

Ion Ratio Lower Upper

278 100

139 14.2 10.9 16.3

279 28.7 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 10.868 ng

RT: 29.471 min Scan# 4490

Delta R.T. -0.010 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Tgt Ion:276 Resp: 988348

Ion Ratio Lower Upper

276 100

277 25.6 19.4 29.0

138 18.0 14.2 21.4

