

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
 Data File : BG060934.D
 Acq On : 18 Apr 2024 13:17
 Operator : MA/JU
 Sample : P2150-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ARCOLA-SP-1

Quant Time: Apr 18 14:00:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

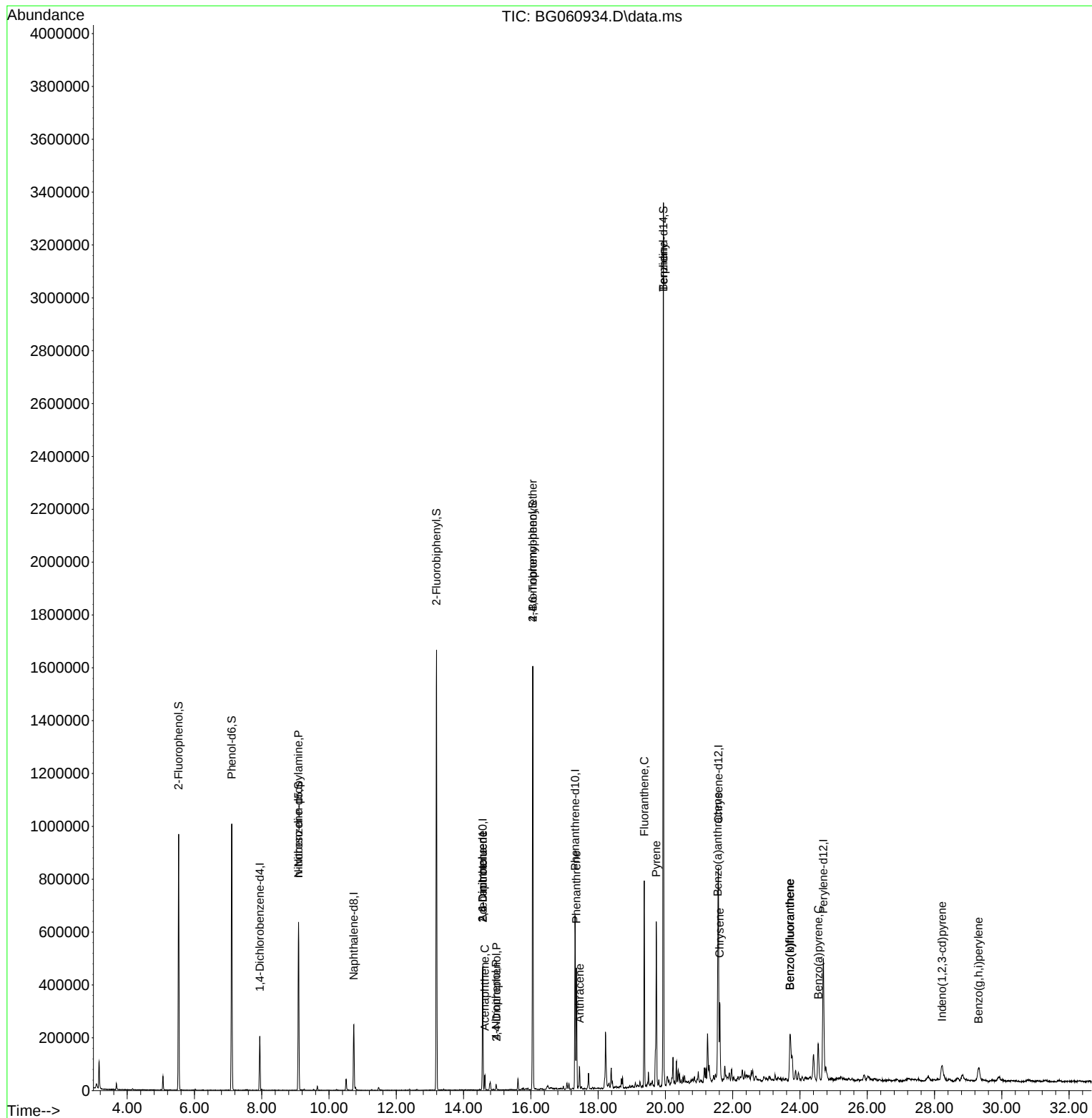
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	52662	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	204722	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	170584	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	427059	20.000	ng	0.00
76) Chrysene-d12	21.573	240	421775	20.000	ng	0.00
86) Perylene-d12	24.693	264	494281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	369224	121.783	ng	0.00
7) Phenol-d6	7.107	99	506113	115.879	ng	0.00
23) Nitrobenzene-d5	9.093	82	344834	76.468	ng	0.00
42) 2,4,6-Tribromophenol	16.056	330	317987	112.837	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	857302	73.750	ng	0.00
79) Terphenyl-d14	19.939	244	1705743	70.581	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.093	70	46965	14.117	ng	# 71
51) 2,6-Dinitrotoluene	14.569	165	22616	8.197	ng	# 18
52) Acenaphthene	14.634	154	20028	2.200	ng	98
54) 2,4-Dinitrophenol	14.974	184	62	5.469	ng	# 1
56) 4-Nitrophenol	14.963	139	5078	2.190	ng	# 1
57) 2,4-Dinitrotoluene	14.569	165	22616	5.736	ng	# 20
67) 4-Bromophenyl-phenylether	16.056	248	22072	4.614	ng	# 1
71) Phenanthrene	17.354	178	285412	13.204	ng	98
72) Anthracene	17.448	178	51257	2.308	ng	97
75) Fluoranthene	19.369	202	488114	17.740	ng	98
77) Benzidine	19.939	184	26305	2.828	ng	# 90
78) Pyrene	19.728	202	406434	14.047	ng	99
81) Benzo(a)anthracene	21.555	228	202374	6.795	ng	97
83) Chrysene	21.614	228	213355	7.503	ng	99
87) Indeno(1,2,3-cd)pyrene	28.224	276	103146	3.018	ng	96
88) Benzo(b)fluoranthene	23.705	252	226396	8.095	ng	96
89) Benzo(k)fluoranthene	23.705	252	226396	7.913	ng	98
90) Benzo(a)pyrene	24.540	252	151868	5.508	ng	96
92) Benzo(g,h,i)perylene	29.305	276	93755	3.409	ng	95

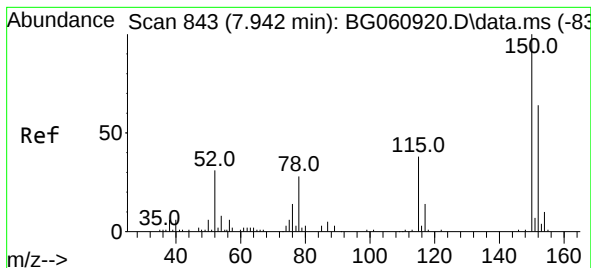
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
Data File : BG060934.D
Acq On : 18 Apr 2024 13:17
Operator : MA/JU
Sample : P2150-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

Quant Time: Apr 18 14:00:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 02:02:19 2024
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.942 min Scan# 843

Delta R.T. -0.000 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1

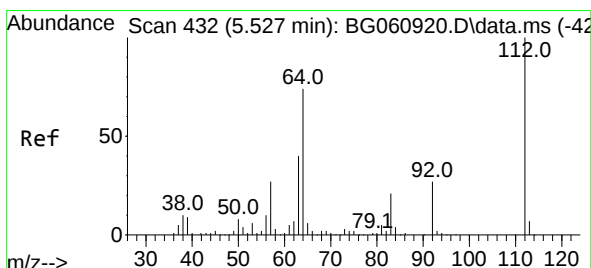
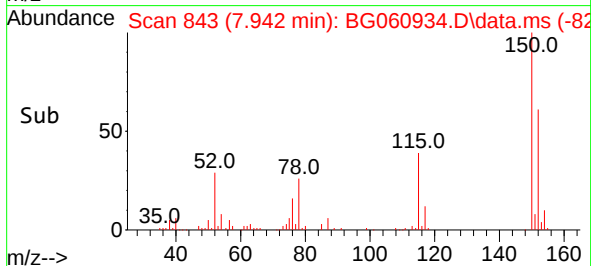
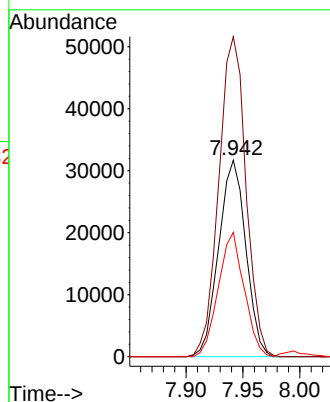
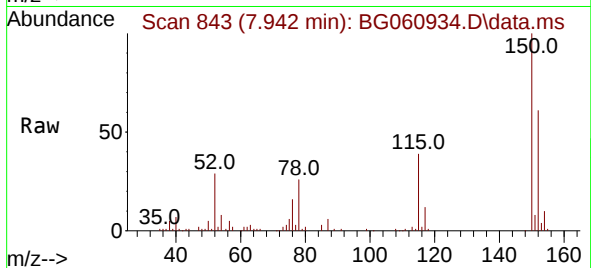
Tgt Ion:152 Resp: 52662

Ion Ratio Lower Upper

152 100

150 162.9 125.6 188.4

115 63.3 47.1 70.7



#5

2-Fluorophenol

Concen: 121.783 ng

RT: 5.527 min Scan# 432

Delta R.T. 0.000 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

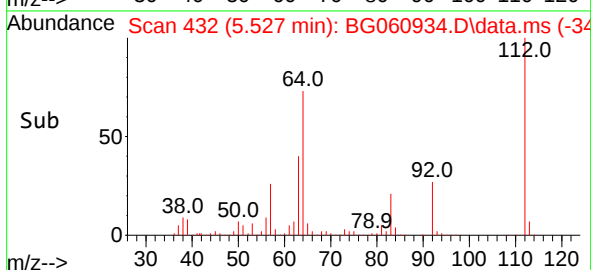
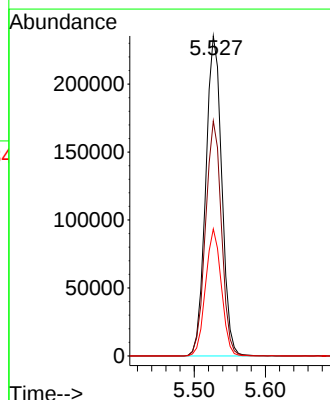
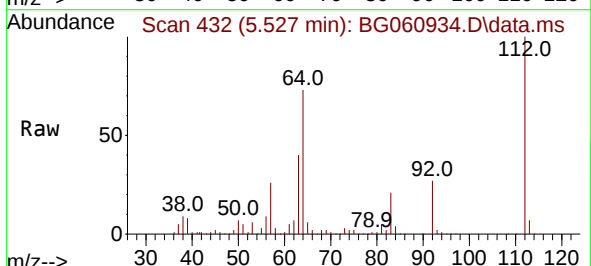
Tgt Ion:112 Resp: 369224

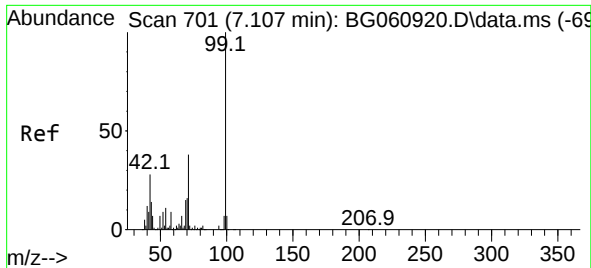
Ion Ratio Lower Upper

112 100

64 73.5 58.9 88.3

63 39.7 32.1 48.1

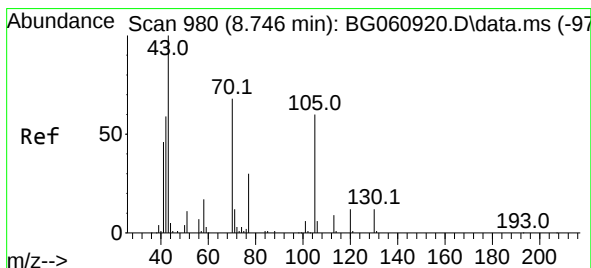
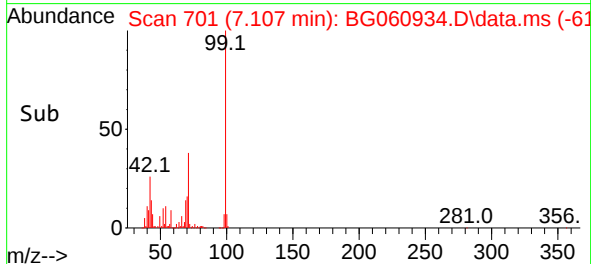
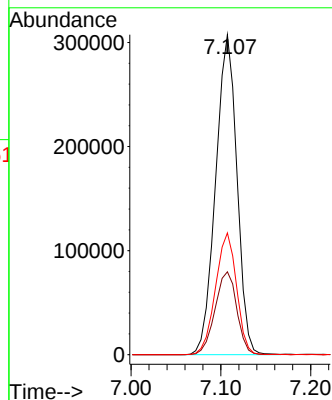
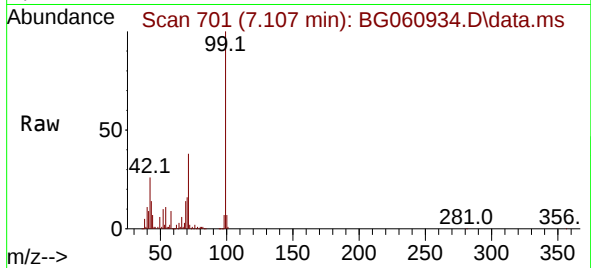




#7
Phenol-d6
Concen: 115.879 ng
RT: 7.107 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

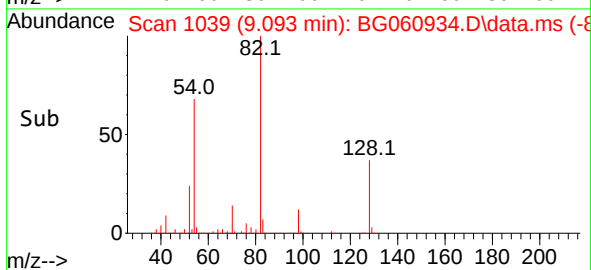
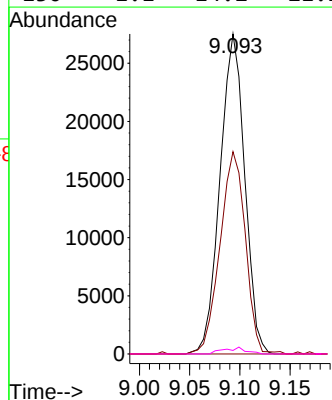
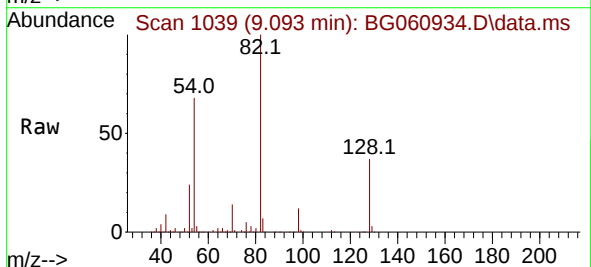
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

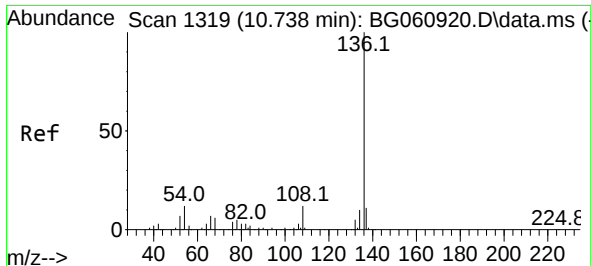
Tgt Ion: 99 Resp: 506113
Ion Ratio Lower Upper
99 100
42 25.9 22.2 33.2
71 38.0 30.5 45.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.117 ng
RT: 9.093 min Scan# 1039
Delta R.T. 0.347 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion: 70 Resp: 46965
Ion Ratio Lower Upper
70 100
42 63.2 70.9 106.3#
101 0.0 7.0 10.4#
130 1.1 14.2 21.2#

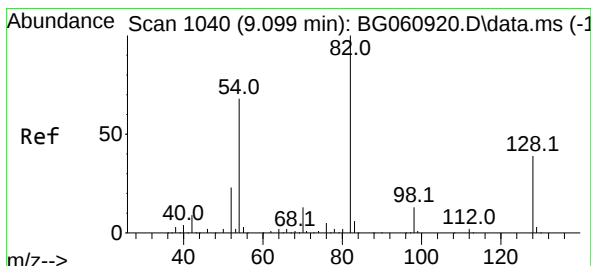
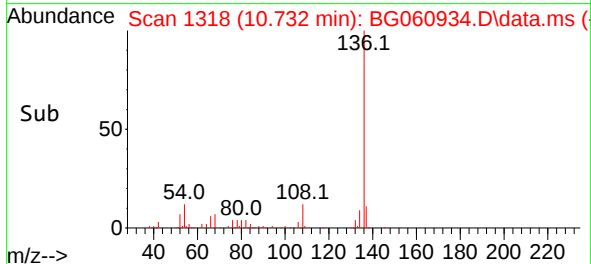
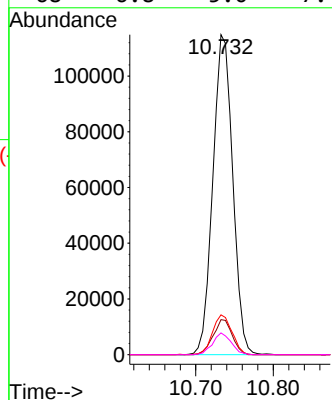
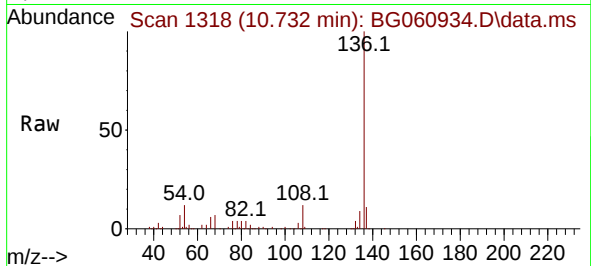




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

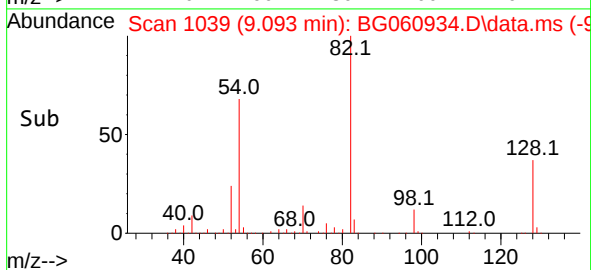
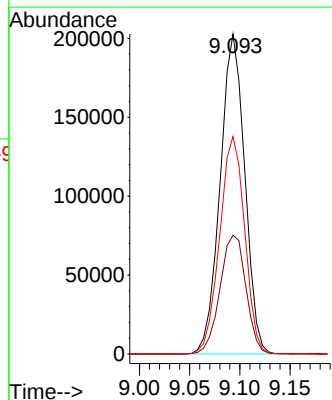
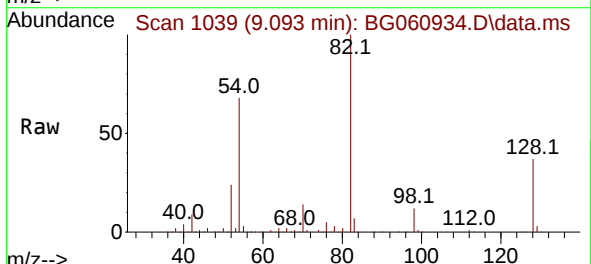
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

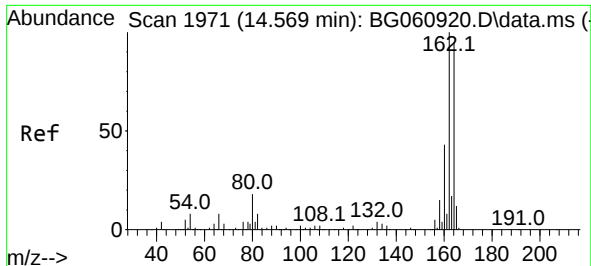
Tgt Ion:	136	Resp:	204722
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	12.5	9.8	14.8
68	6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 76.468 ng
RT: 9.093 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:	82	Resp:	344834
Ion Ratio	Lower	Upper	
82	100		
128	37.1	31.4	47.0
54	68.0	54.2	81.4

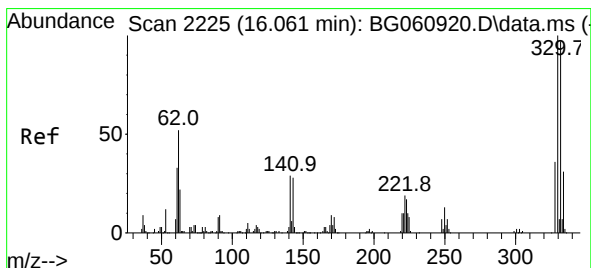
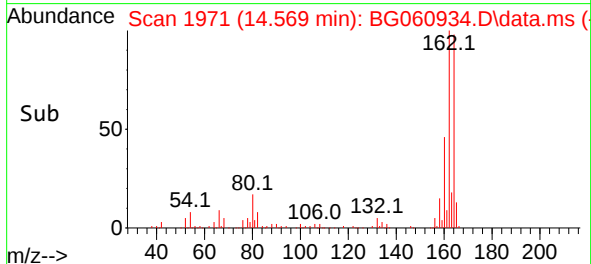
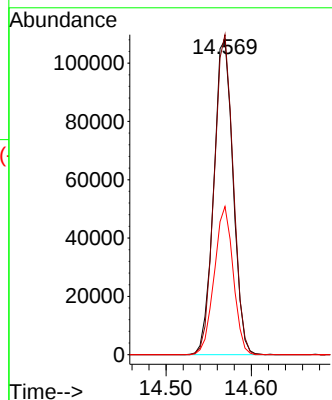
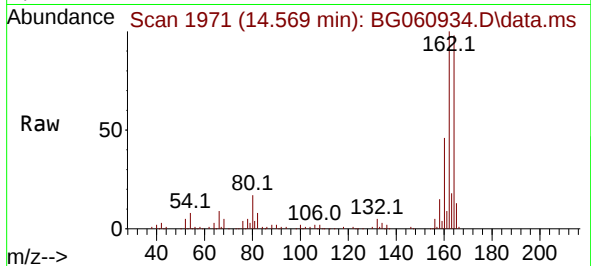




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

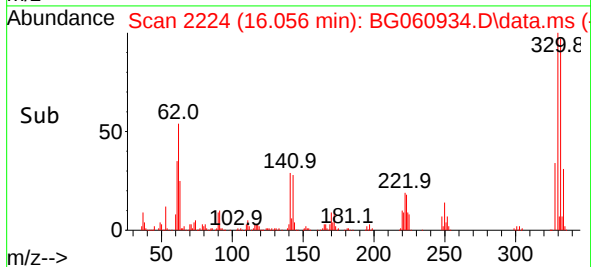
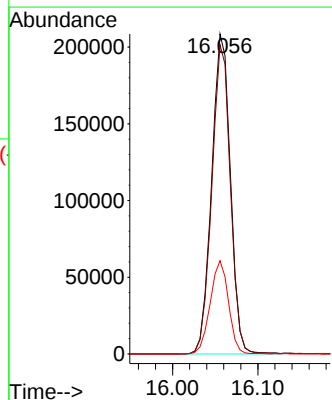
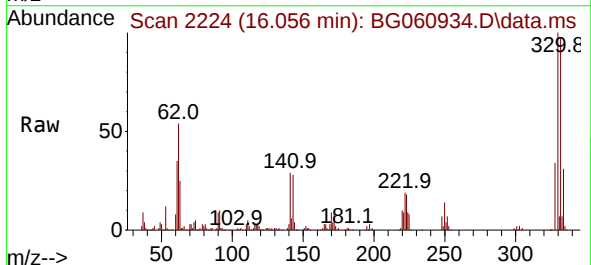
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

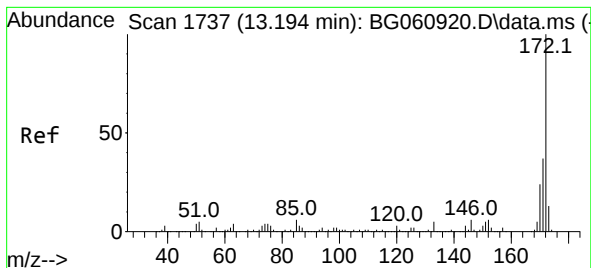
Tgt Ion:164 Resp: 170584
Ion Ratio Lower Upper
164 100
162 101.6 84.1 126.1
160 47.0 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 112.837 ng
RT: 16.056 min Scan# 2224
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:330 Resp: 317987
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 28.5 23.7 35.5

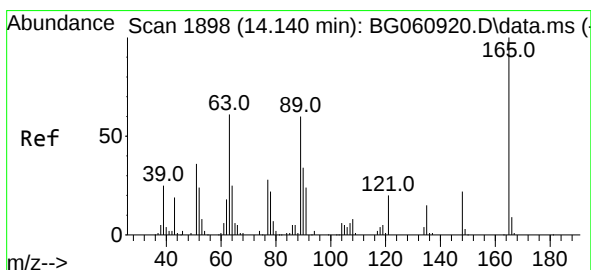
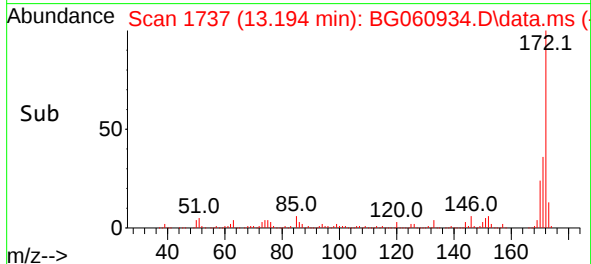
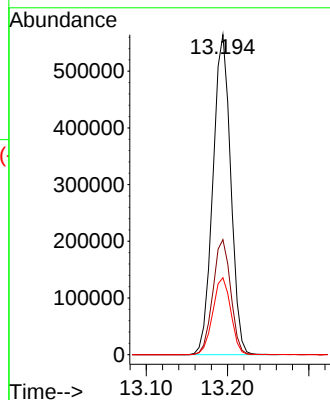
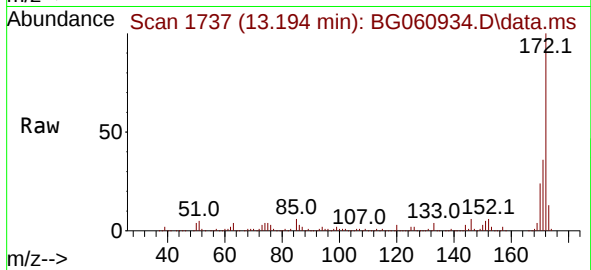




#45
2-Fluorobiphenyl
Concen: 73.750 ng
RT: 13.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

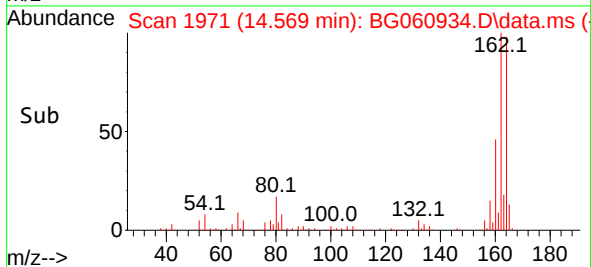
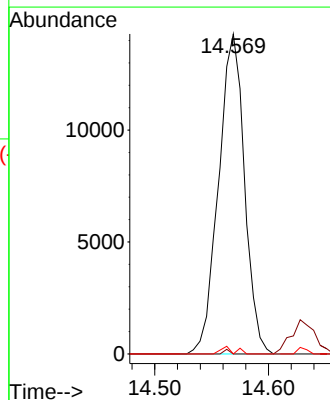
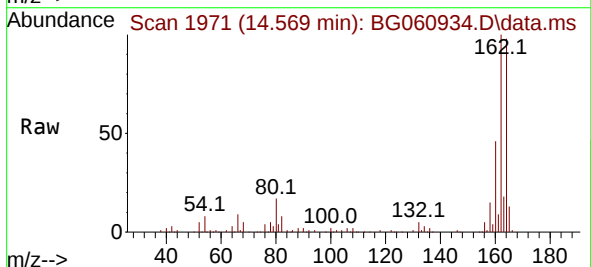
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

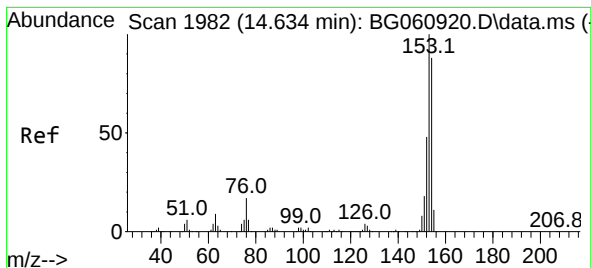
Tgt Ion:172 Resp: 857302
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 24.1 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.197 ng
RT: 14.569 min Scan# 1971
Delta R.T. 0.429 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:165 Resp: 22616
Ion Ratio Lower Upper
165 100
63 0.0 53.8 80.8#
89 0.0 48.2 72.4#





#52

Acenaphthene

Concen: 2.200 ng

RT: 14.634 min Scan# 1982

Delta R.T. 0.000 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1

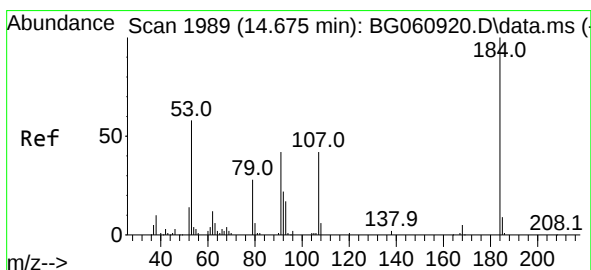
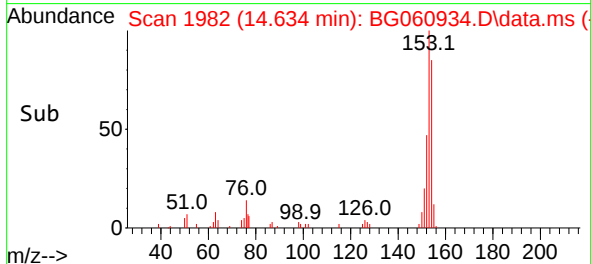
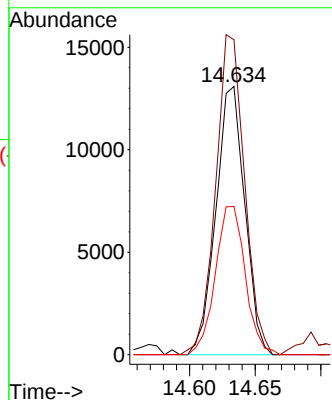
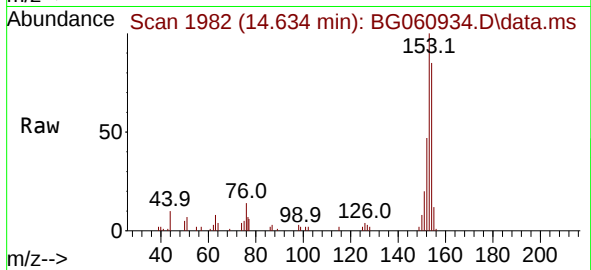
Tgt Ion:154 Resp: 20028

Ion Ratio Lower Upper

154 100

153 117.4 91.4 137.0

152 55.2 44.1 66.1



#54

2,4-Dinitrophenol

Concen: 5.469 ng

RT: 14.974 min Scan# 2040

Delta R.T. 0.299 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

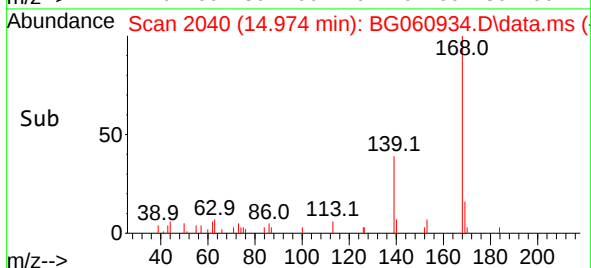
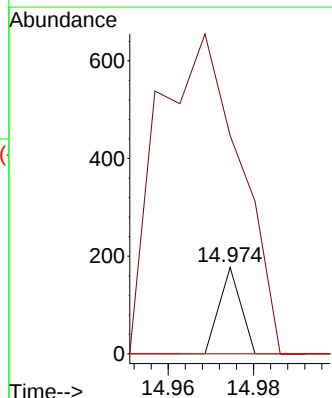
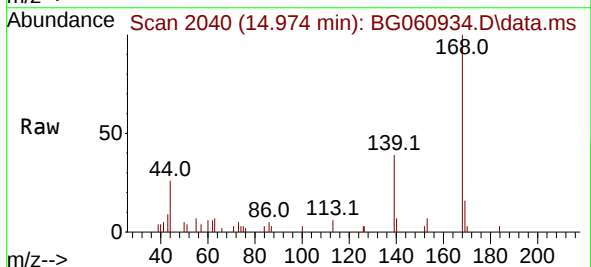
Tgt Ion:184 Resp: 62

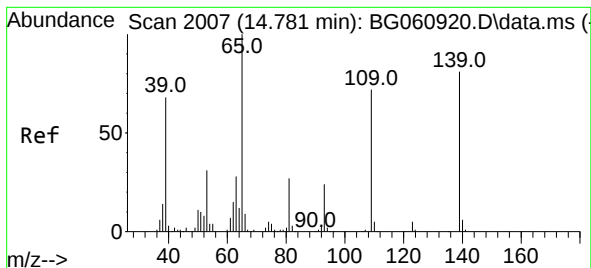
Ion Ratio Lower Upper

184 100

63 252.5 52.0 78.0#

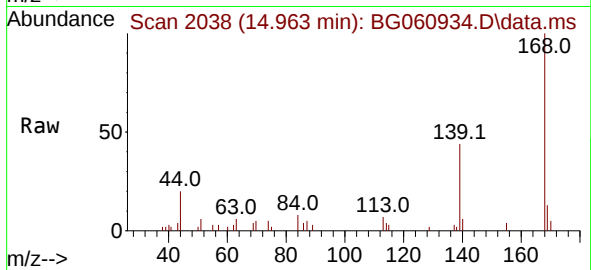
154 0.0 50.7 76.1#



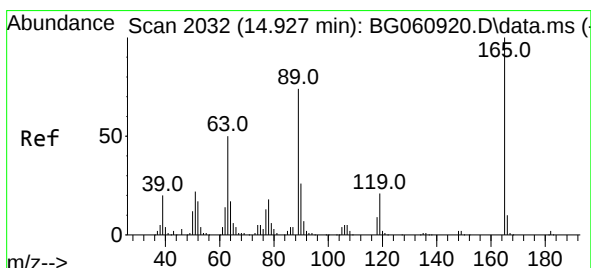
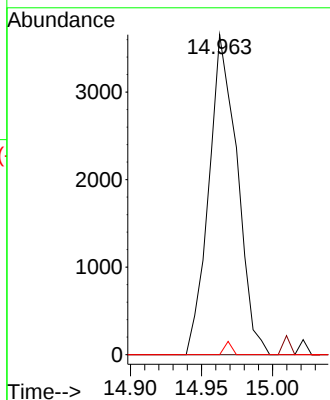
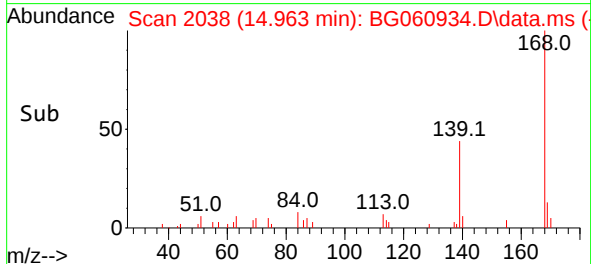


#56
4-Nitrophenol
Concen: 2.190 ng
RT: 14.963 min Scan# 2007
Delta R.T. 0.182 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

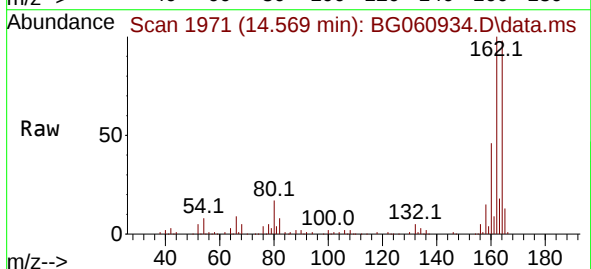
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



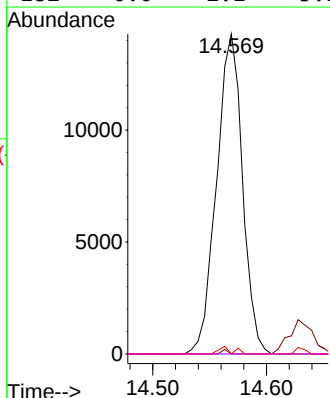
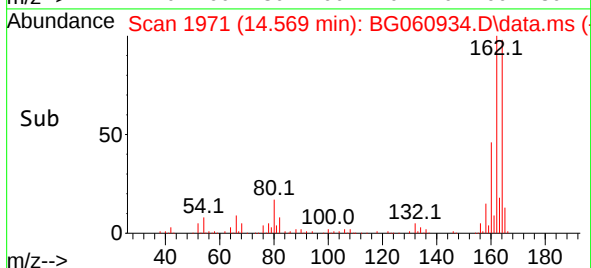
Tgt Ion:139 Resp: 5078
Ion Ratio Lower Upper
139 100
109 0.0 69.7 109.7#
65 0.0 103.7 143.7#

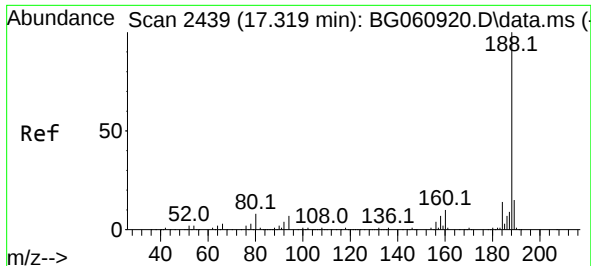


#57
2,4-Dinitrotoluene
Concen: 5.736 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.358 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17



Tgt Ion:165 Resp: 22616
Ion Ratio Lower Upper
165 100
63 0.0 40.2 60.2#
89 0.0 59.0 88.4#
182 0.0 2.1 3.1#

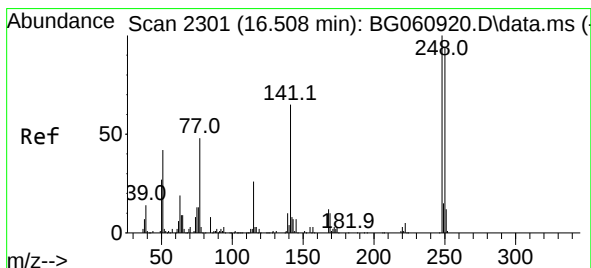
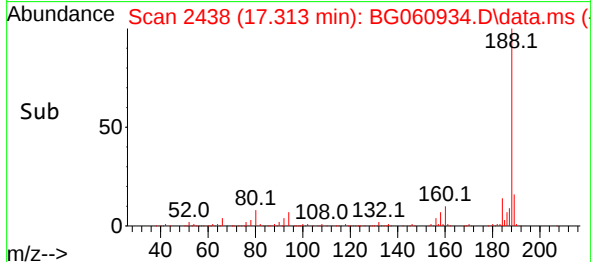
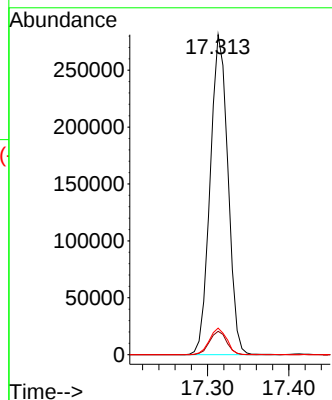
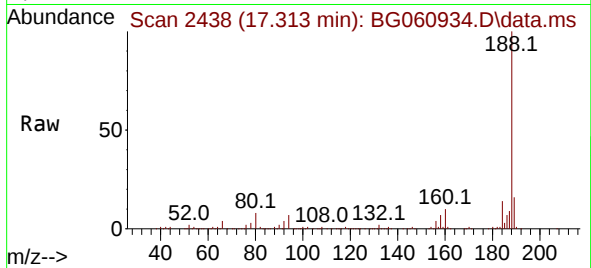




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

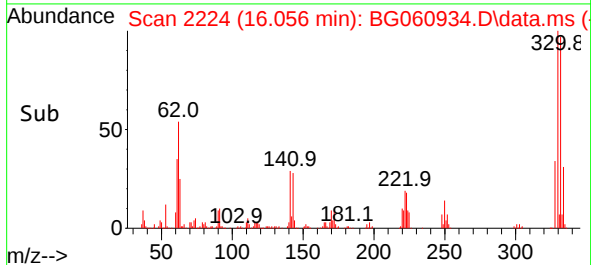
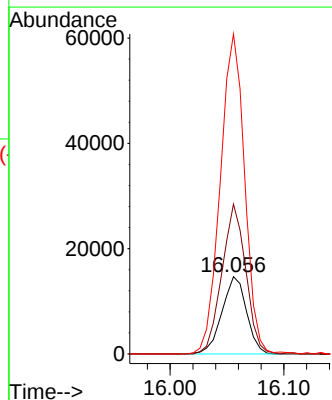
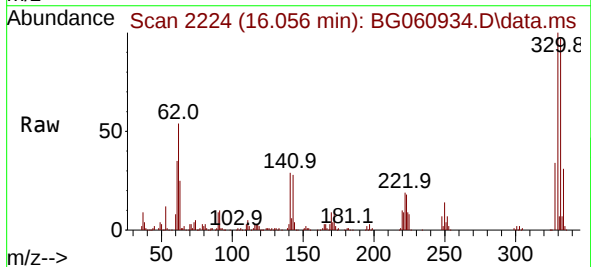
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

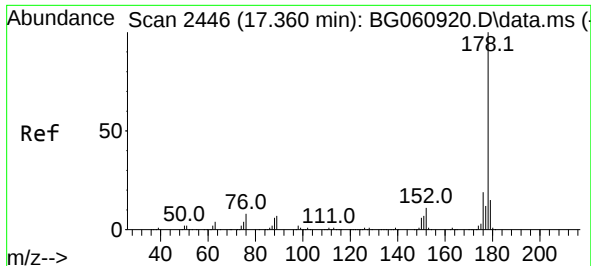
Tgt Ion:188 Resp: 427059
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 8.3 6.6 9.8



#67
4-Bromophenyl-phenylether
Concen: 4.614 ng
RT: 16.056 min Scan# 2224
Delta R.T. -0.452 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:248 Resp: 22072
Ion Ratio Lower Upper
248 100
250 193.8 75.4 113.2#
141 413.8 52.2 78.2#

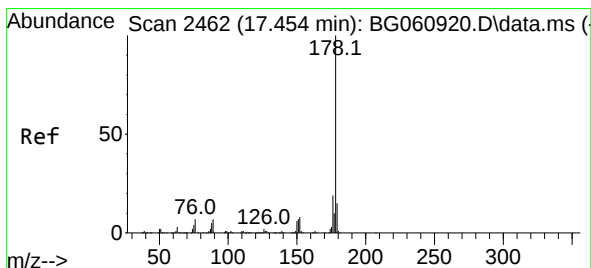
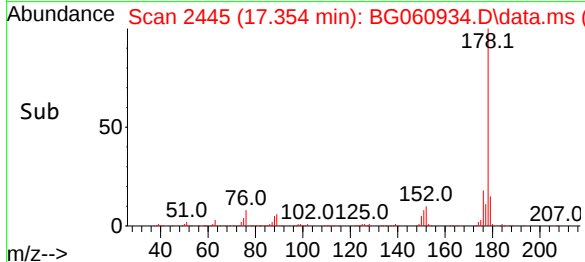
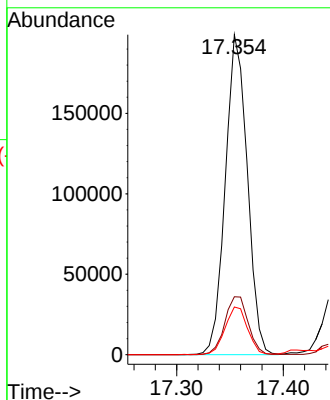
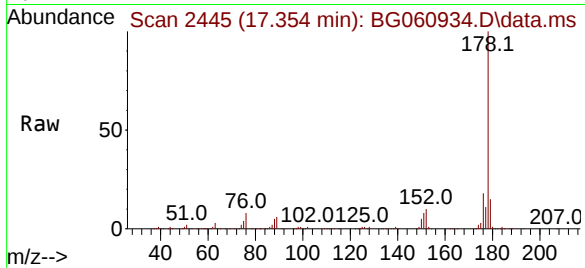




#71
Phenanthrene
Concen: 13.204 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

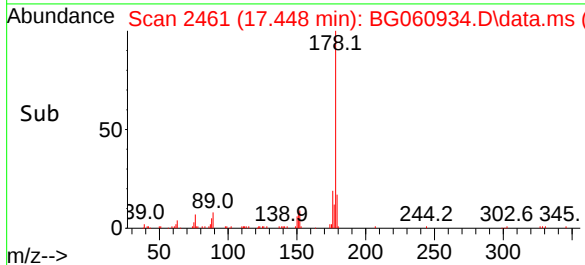
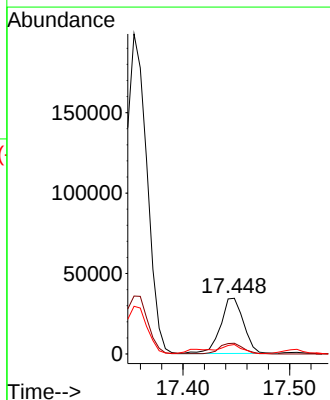
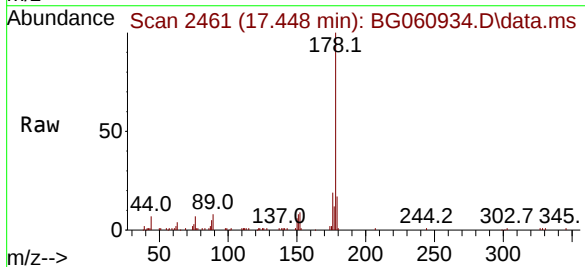
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

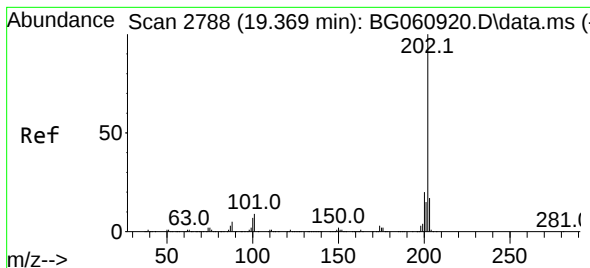
Tgt Ion:178 Resp: 285412
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 14.9 12.0 18.0



#72
Anthracene
Concen: 2.308 ng
RT: 17.448 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:178 Resp: 51257
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 17.0 11.6 17.4





#75

Fluoranthene

Concen: 17.740 ng

RT: 19.369 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1

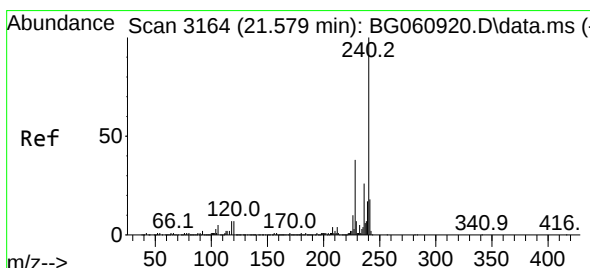
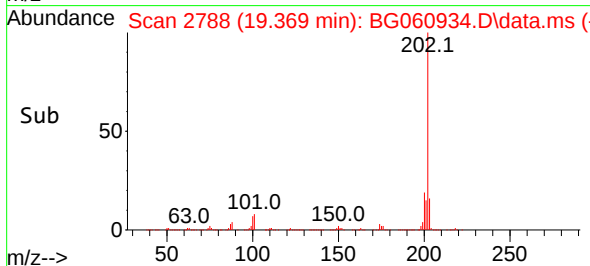
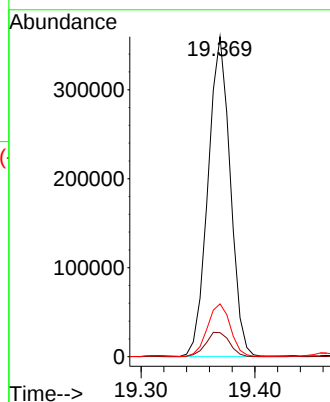
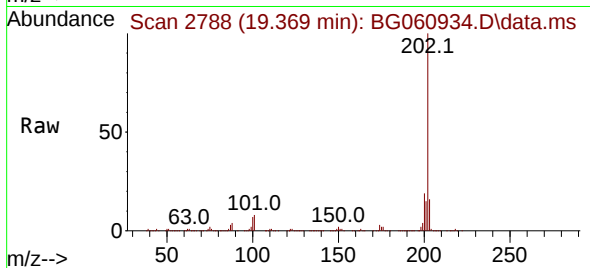
Tgt Ion:202 Resp: 488114

Ion Ratio Lower Upper

202 100

101 7.5 0.0 28.6

203 16.5 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.573 min Scan# 3163

Delta R.T. -0.006 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

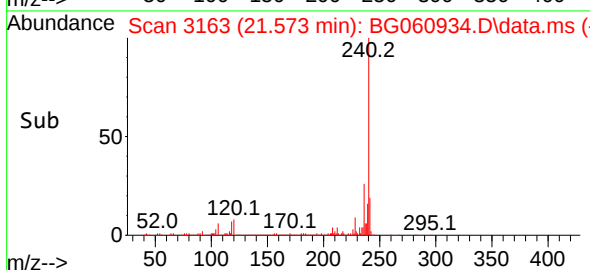
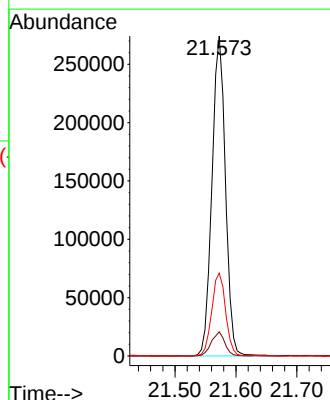
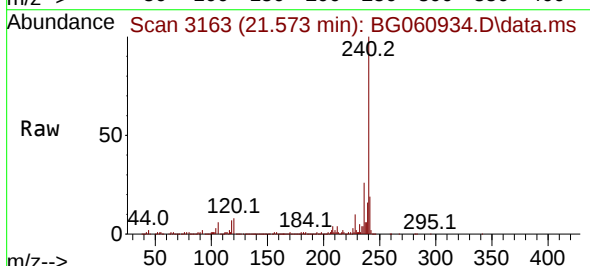
Tgt Ion:240 Resp: 421775

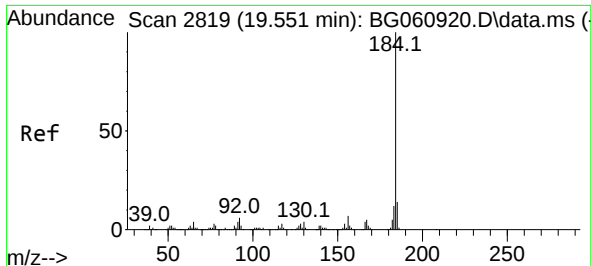
Ion Ratio Lower Upper

240 100

120 7.5 5.7 8.5

236 25.8 21.1 31.7

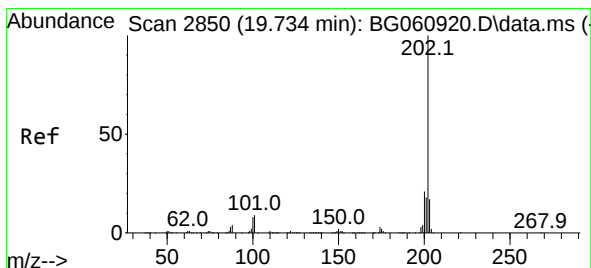
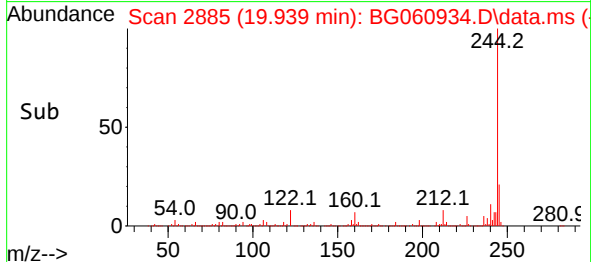
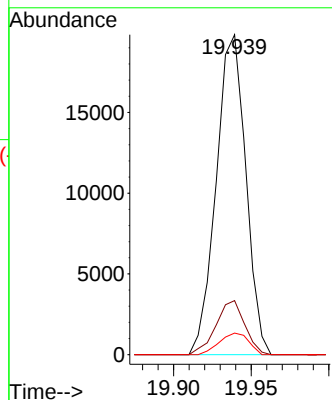
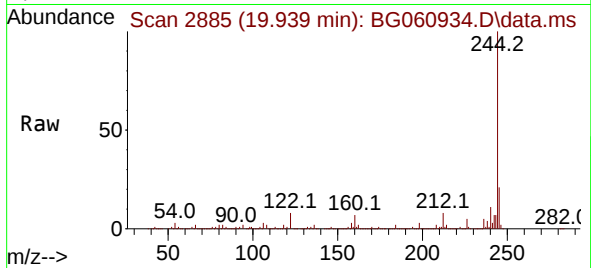




#77
Benzidine
Concen: 2.828 ng
RT: 19.939 min Scan# 2885
Delta R.T. 0.388 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

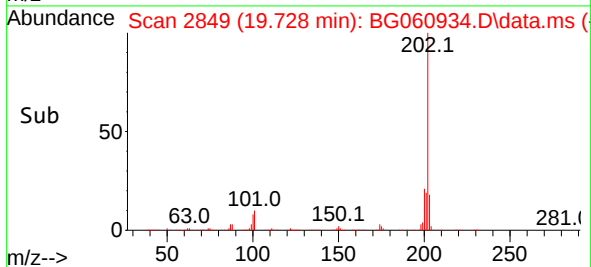
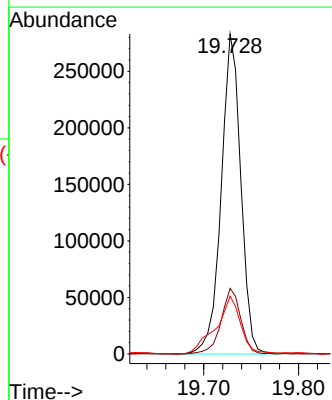
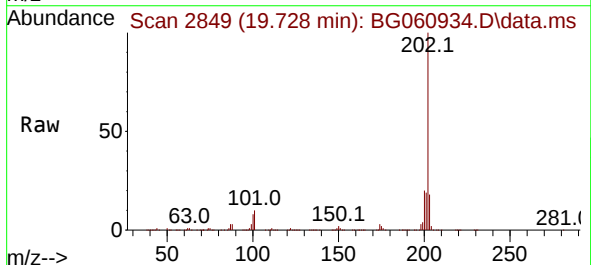
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

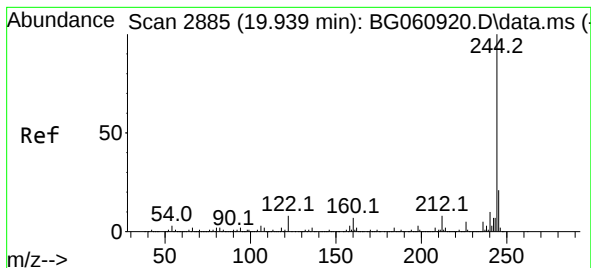
Tgt Ion:184 Resp: 26305
Ion Ratio Lower Upper
184 100
185 16.9 11.4 17.0
183 6.8 9.4 14.2#



#78
Pyrene
Concen: 14.047 ng
RT: 19.728 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:202 Resp: 406434
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 18.1 13.8 20.8





#79

Terphenyl-d14

Concen: 70.581 ng

RT: 19.939 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1

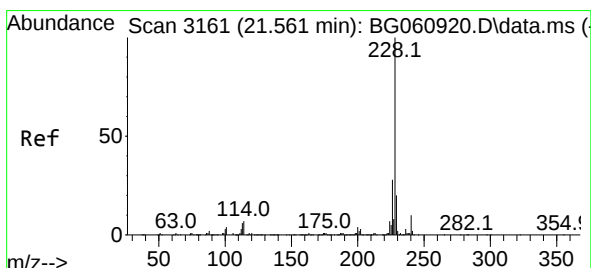
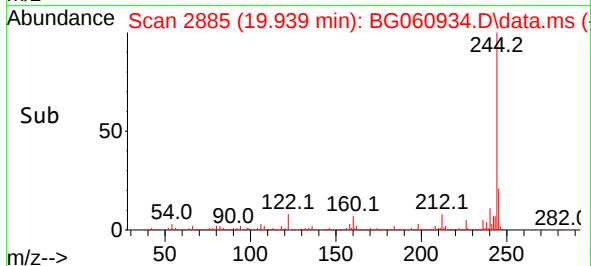
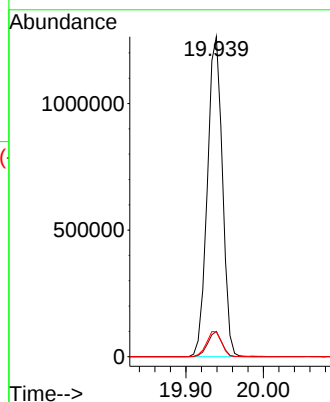
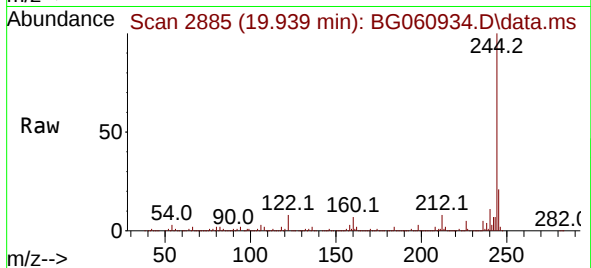
Tgt Ion:244 Resp: 1705743

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.4

122 7.8 6.6 9.8



#81

Benzo(a)anthracene

Concen: 6.795 ng

RT: 21.555 min Scan# 3160

Delta R.T. -0.006 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

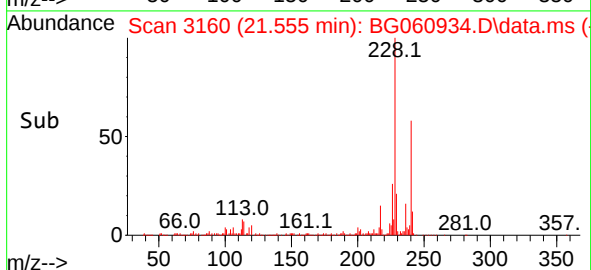
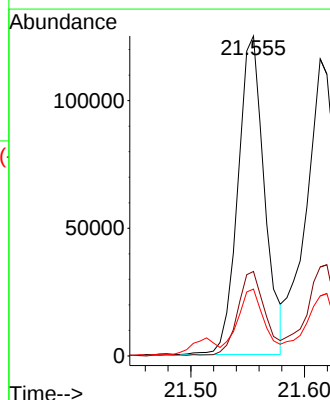
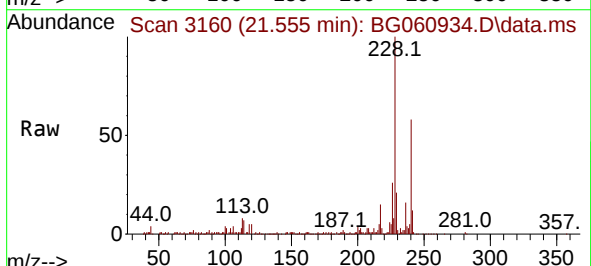
Tgt Ion:228 Resp: 202374

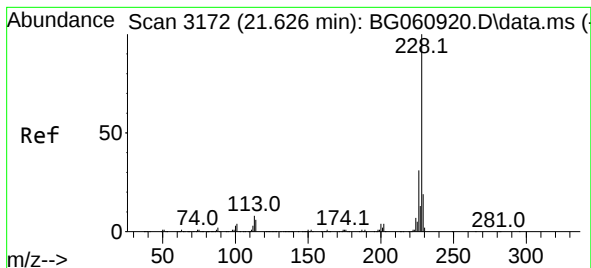
Ion Ratio Lower Upper

228 100

226 26.4 22.0 33.0

229 20.9 15.6 23.4





#83

Chrysene

Concen: 7.503 ng

RT: 21.614 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1

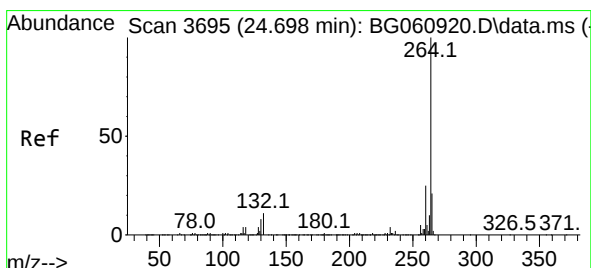
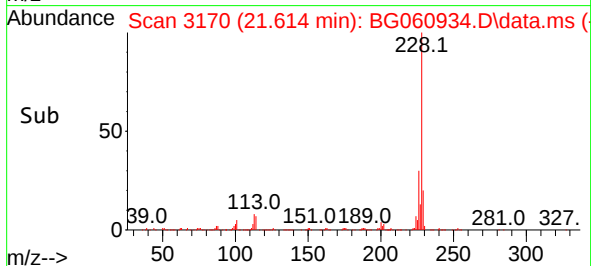
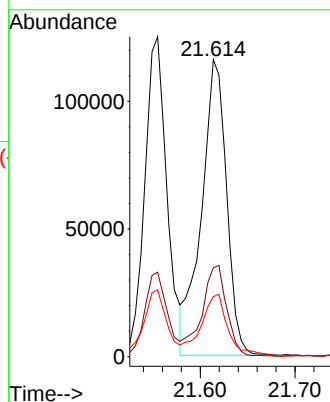
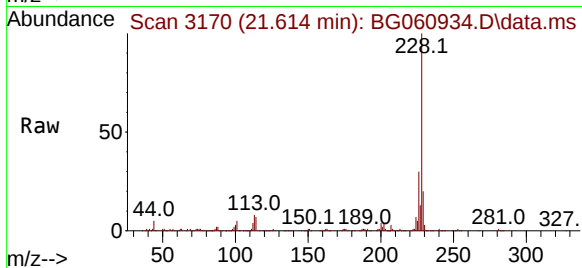
Tgt Ion:228 Resp: 213355

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 20.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.693 min Scan# 3694

Delta R.T. -0.006 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

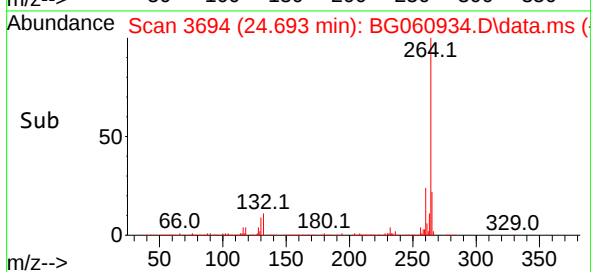
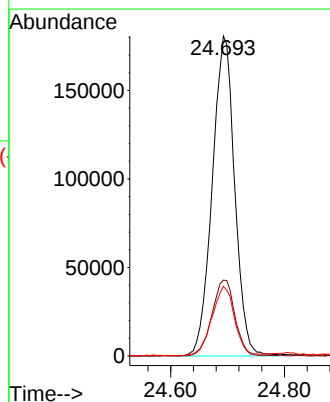
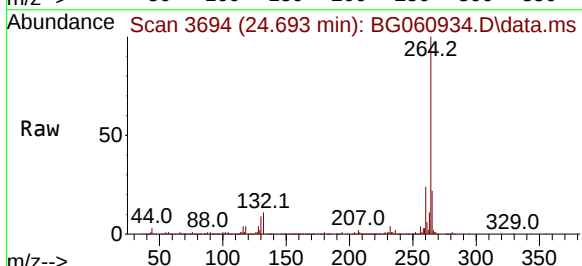
Tgt Ion:264 Resp: 494281

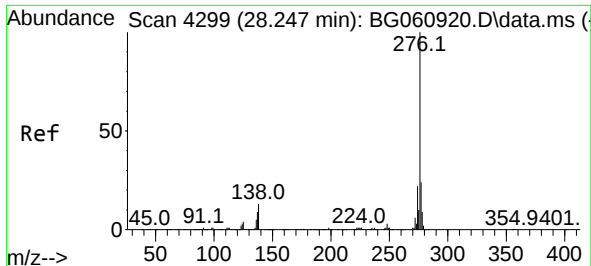
Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 21.8 16.6 25.0

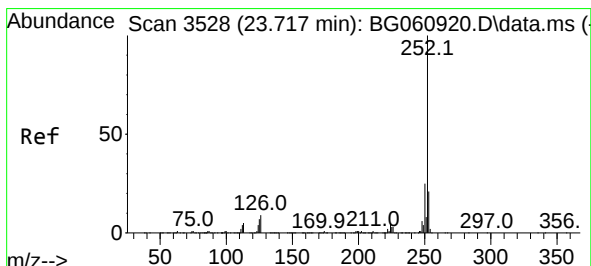
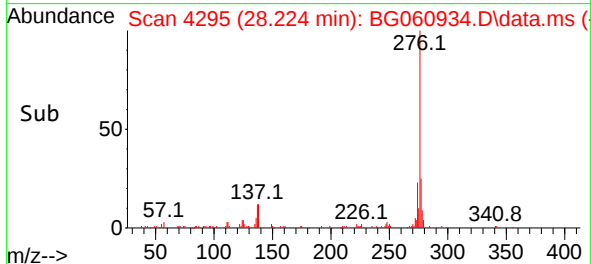
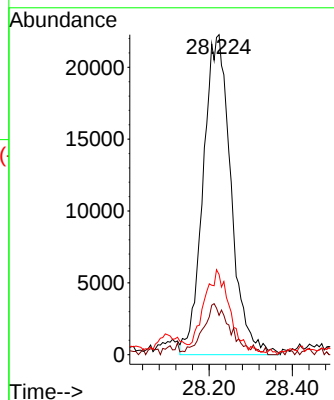
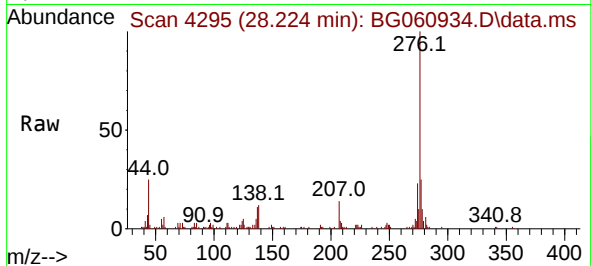




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.018 ng
RT: 28.224 min Scan# 41
Delta R.T. -0.023 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

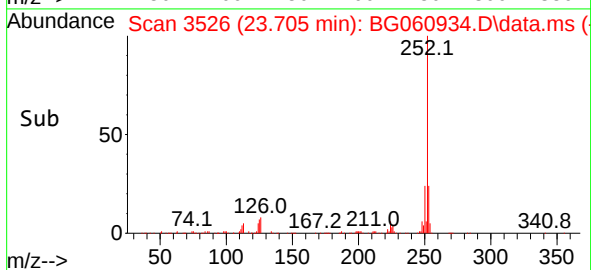
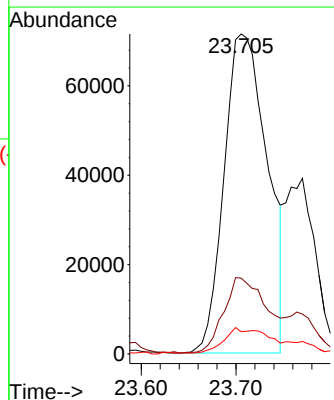
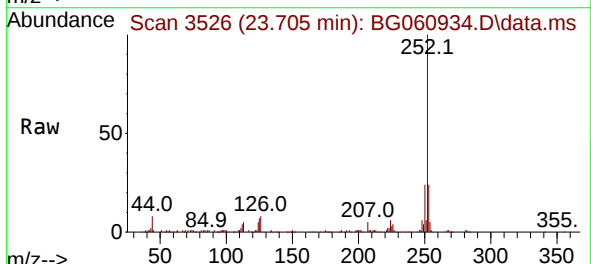
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

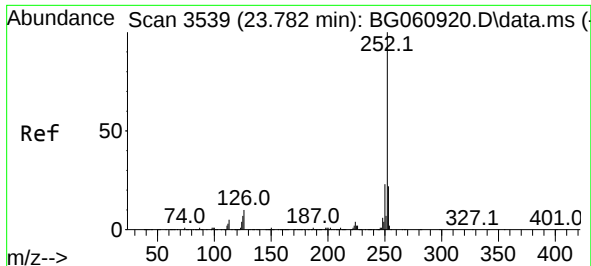
Tgt Ion:276 Resp: 103146
Ion Ratio Lower Upper
276 100
138 13.5 10.8 16.2
277 22.1 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 8.095 ng
RT: 23.705 min Scan# 3526
Delta R.T. -0.012 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:252 Resp: 226396
Ion Ratio Lower Upper
252 100
253 23.7 16.8 25.2
125 7.0 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 7.913 ng

RT: 23.705 min Scan# 3

Delta R.T. -0.076 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1

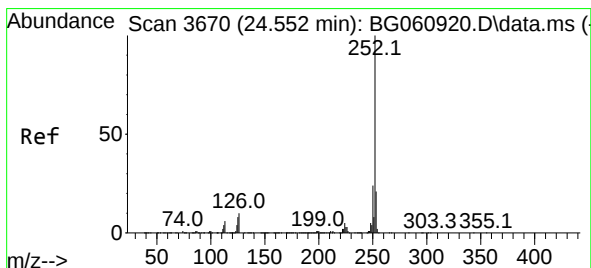
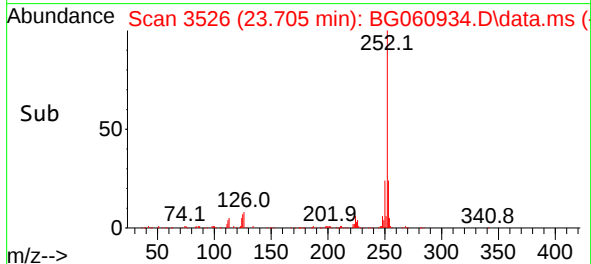
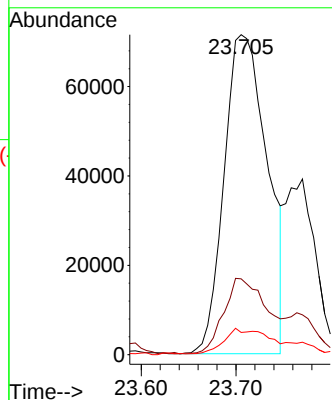
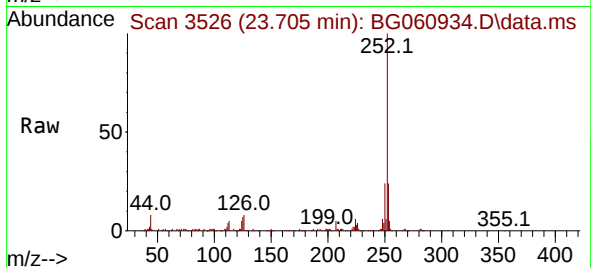
Tgt Ion:252 Resp: 226396

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 7.0 5.8 8.8



#90

Benzo(a)pyrene

Concen: 5.508 ng

RT: 24.540 min Scan# 3668

Delta R.T. -0.012 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

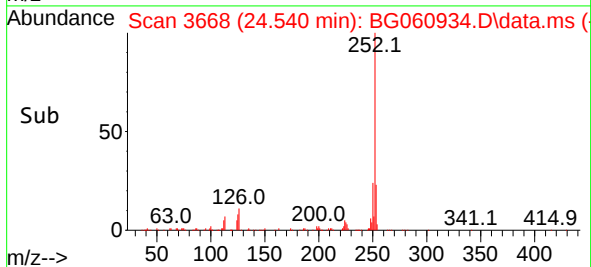
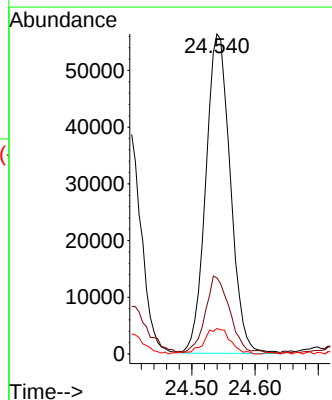
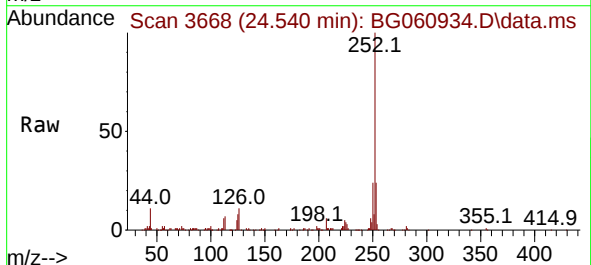
Tgt Ion:252 Resp: 151868

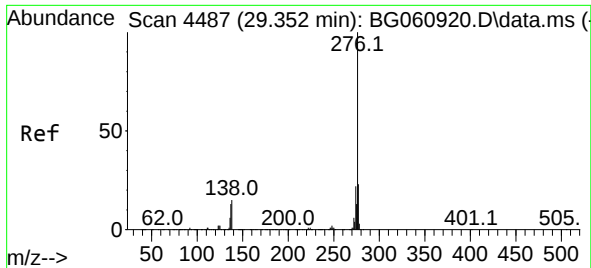
Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 8.0 6.1 9.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.409 ng
 RT: 29.305 min Scan# 44
 Delta R.T. -0.047 min
 Lab File: BG060934.D
 Acq: 18 Apr 2024 13:17

Instrument :
 BNA_G
 ClientSampleId :
 ARCOLA-SP-1

Tgt Ion:	276	Resp:	93755
Ion	Ratio	Lower	Upper
276	100		
277	19.9	18.3	27.5
138	13.6	12.2	18.4

