

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082824\
 Data File : BG062601.D
 Acq On : 28 Aug 2024 18:41
 Operator : MA/JU
 Sample : P3767-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5-COMPOSITE

Quant Time: Aug 29 00:27:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 00:59:59 2024
 Response via : Initial Calibration

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

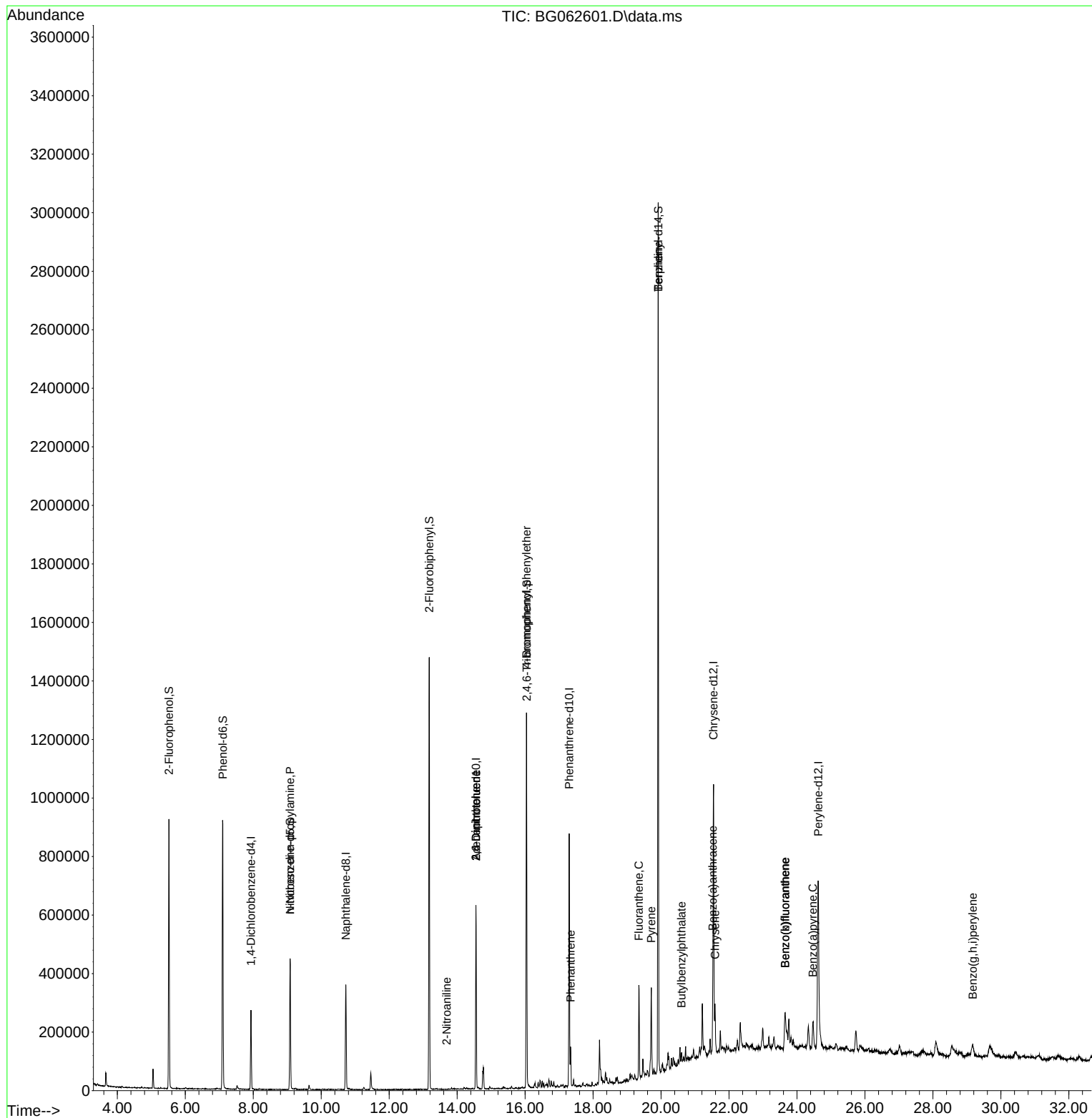
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	75128	20.000	ng	0.00
21) Naphthalene-d8	10.721	136	308803	20.000	ng	0.00
39) Acenaphthene-d10	14.552	164	222792	20.000	ng	0.00
64) Phenanthrene-d10	17.296	188	546816	20.000	ng	0.00
76) Chrysene-d12	21.543	240	523909	20.000	ng	0.00
86) Perylene-d12	24.622	264	620801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.515	112	391199	93.411	ng	0.00
7) Phenol-d6	7.102	99	530590	88.947	ng	0.00
23) Nitrobenzene-d5	9.082	82	268795	57.768	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	265384	107.834	ng	0.00
45) 2-Fluorobiphenyl	13.177	172	760010	56.092	ng	0.00
79) Terphenyl-d14	19.916	244	1531648	61.123	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.082	70	35141	8.797	ng	# 77
48) 2-Nitroaniline	13.688	65	53	3.623	ng	# 9
51) 2,6-Dinitrotoluene	14.552	165	28240	13.085	ng	# 21
57) 2,4-Dinitrotoluene	14.552	165	28240	8.537	ng	# 22
67) 4-Bromophenyl-phenylether	16.038	248	17543	3.333	ng	# 1
71) Phenanthrene	17.337	178	84331	3.202	ng	98
75) Fluoranthene	19.346	202	201524	6.113	ng	98
77) Benzidine	19.916	184	23799	6.948	ng	# 76
78) Pyrene	19.710	202	185657	5.574	ng	99
80) Butylbenzylphthalate	20.603	149	4731	5.504	ng	# 91
81) Benzo(a)anthracene	21.520	228	107356	3.217	ng	97
83) Chrysene	21.585	228	114298	3.501	ng	98
88) Benzo(b)fluoranthene	23.653	252	159402	4.584	ng	98
89) Benzo(k)fluoranthene	23.653	252	159402	4.620	ng	98
90) Benzo(a)pyrene	24.469	252	102455	3.352	ng	95
92) Benzo(g,h,i)perylene	29.170	276	84565	2.571	ng	99

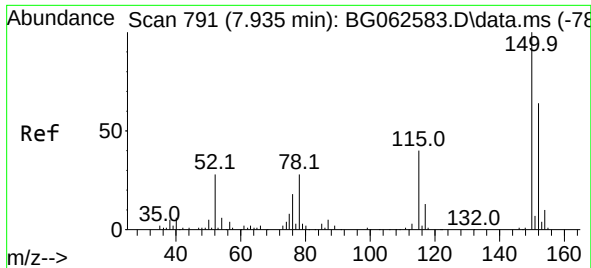
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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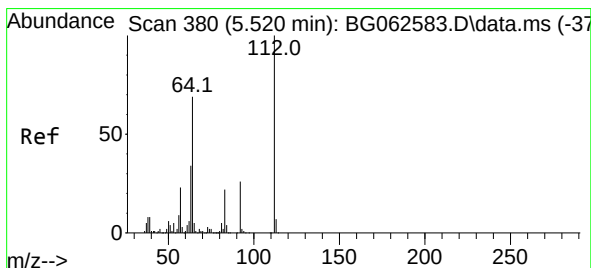
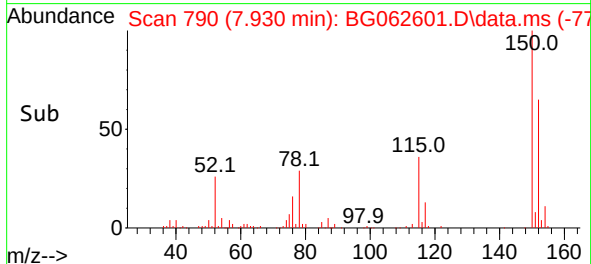
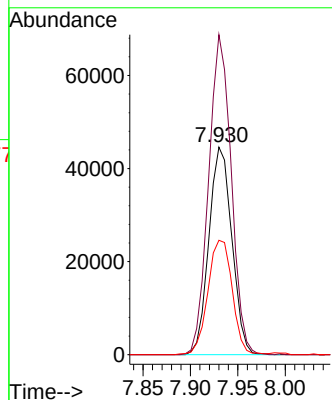
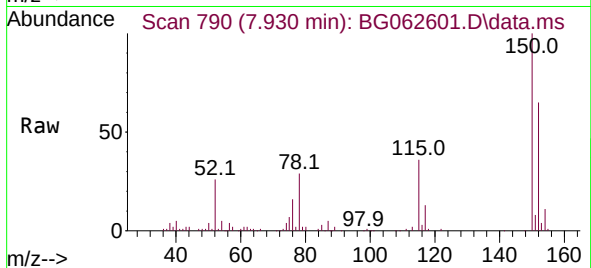




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 791
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

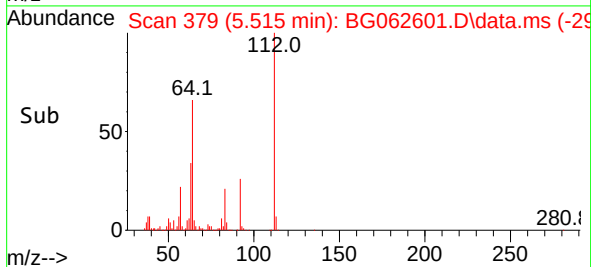
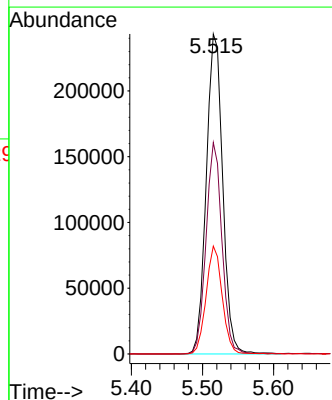
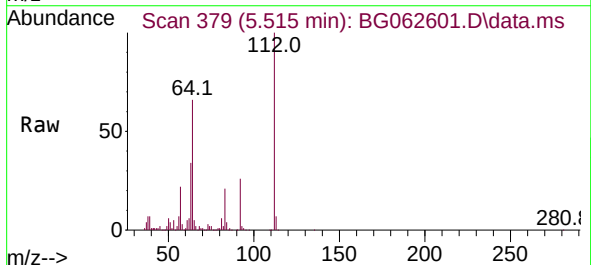
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

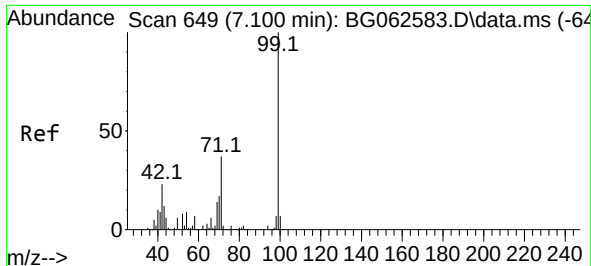
Tgt Ion:152 Resp: 75128
Ion Ratio Lower Upper
152 100
150 154.2 125.1 187.7
115 55.1 50.6 76.0



#5
2-Fluorophenol
Concen: 93.411 ng
RT: 5.515 min Scan# 379
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

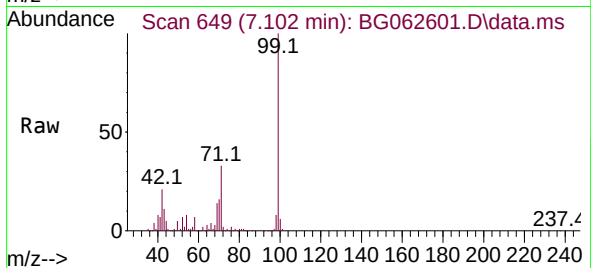
Tgt Ion:112 Resp: 391199
Ion Ratio Lower Upper
112 100
64 66.0 55.5 83.3
63 33.7 27.4 41.2



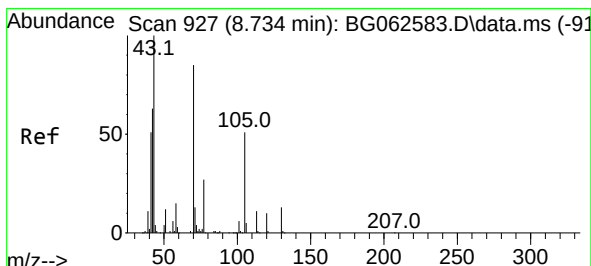
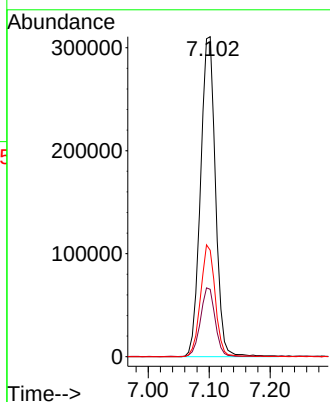
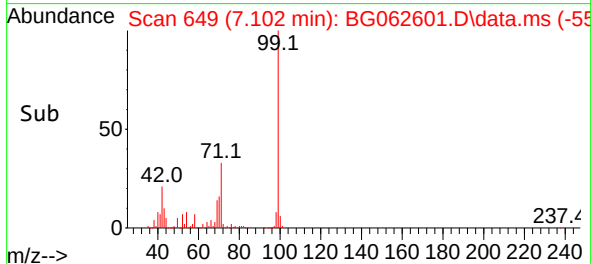


#7
Phenol-d6
Concen: 88.947 ng
RT: 7.102 min Scan# 649
Delta R.T. 0.001 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

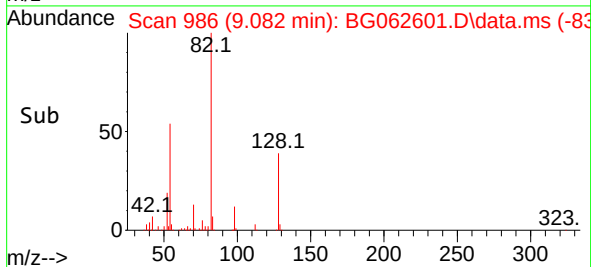
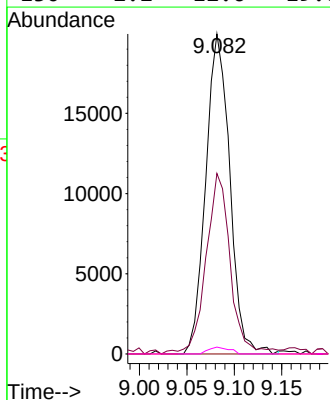
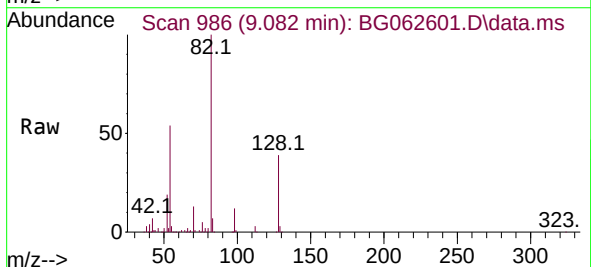


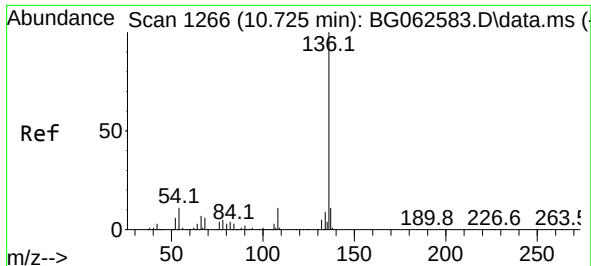
Tgt Ion:	99	Resp:	530590
Ion	Ratio	Lower	Upper
99	100		
42	21.1	18.7	28.1
71	33.3	29.8	44.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.797 ng
RT: 9.082 min Scan# 986
Delta R.T. 0.348 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:	70	Resp:	35141
Ion	Ratio	Lower	Upper
70	100		
42	56.4	60.0	90.0#
101	0.0	6.1	9.1#
130	2.2	12.6	19.0#

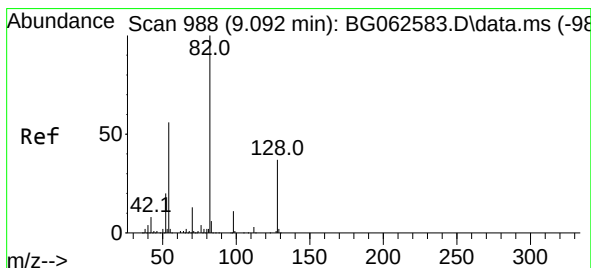
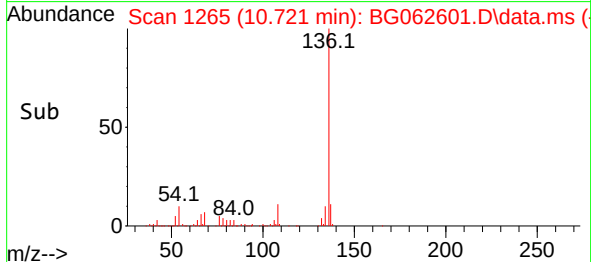
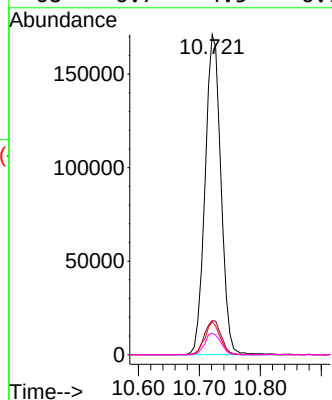
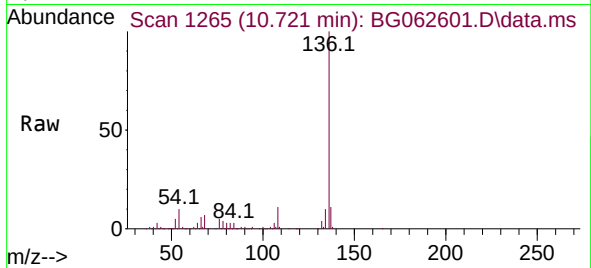




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.721 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

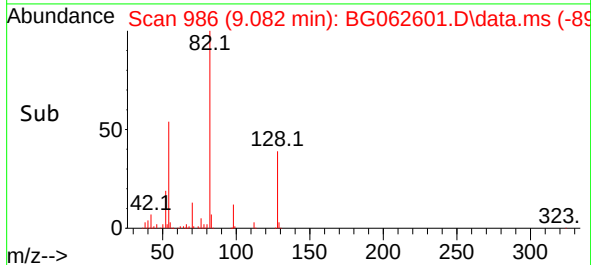
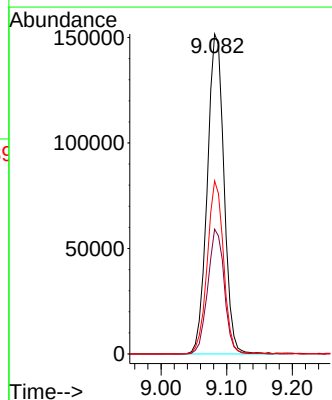
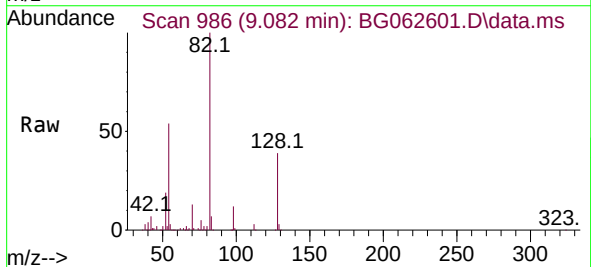
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

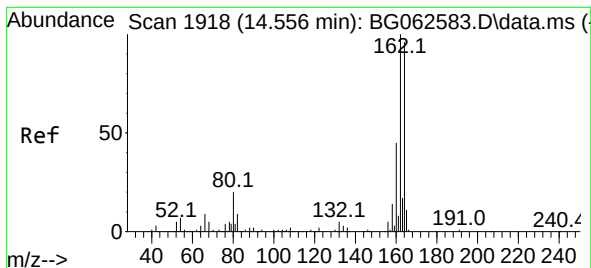
Tgt Ion:	136	Resp:	308803
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.3	9.0	13.4
68	6.7	4.5	6.7



#23
Nitrobenzene-d5
Concen: 57.768 ng
RT: 9.082 min Scan# 986
Delta R.T. -0.010 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:	82	Resp:	268795
Ion	Ratio	Lower	Upper
82	100		
128	39.0	29.7	44.5
54	54.1	44.4	66.6

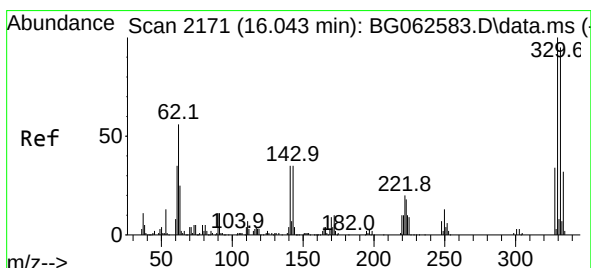
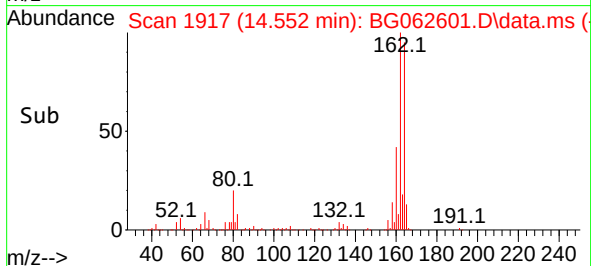
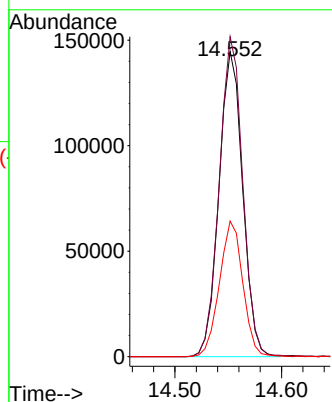
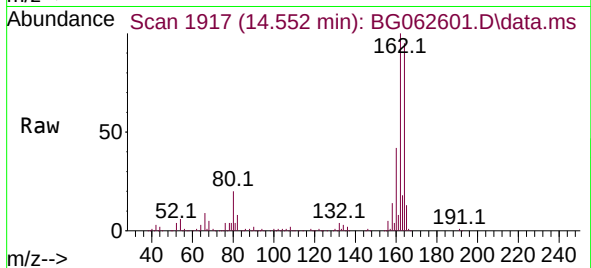




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.552 min Scan# 1918
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

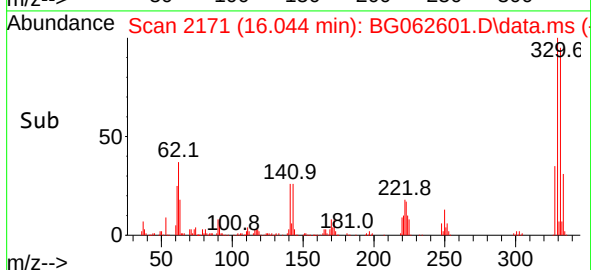
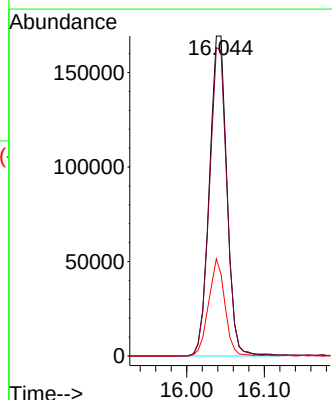
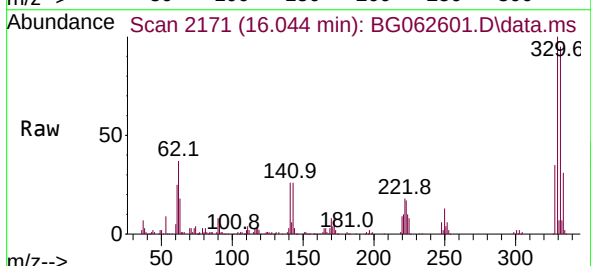
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

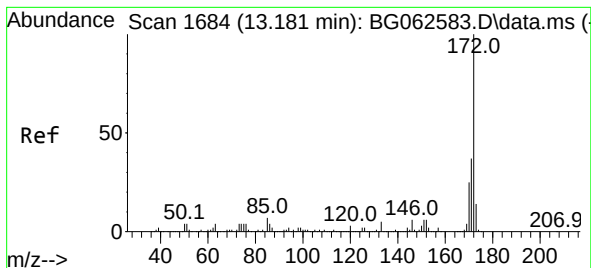
Tgt Ion:164 Resp: 222792
Ion Ratio Lower Upper
164 100
162 104.9 83.0 124.6
160 44.4 37.7 56.5



#42
2,4,6-Tribromophenol
Concen: 107.834 ng
RT: 16.044 min Scan# 2171
Delta R.T. 0.001 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:330 Resp: 265384
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 28.4 26.5 39.7

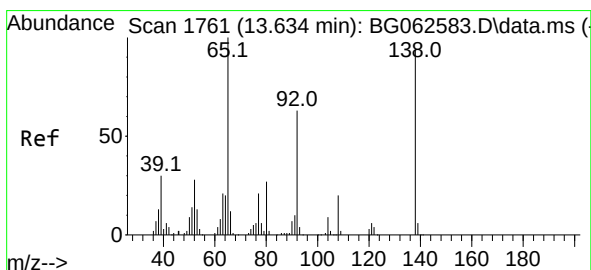
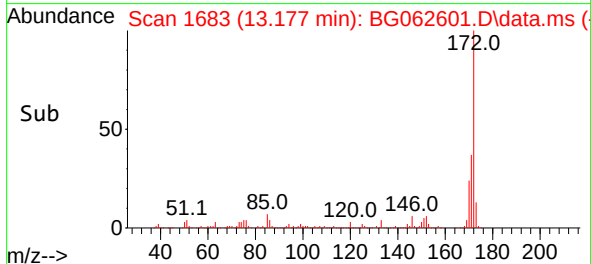
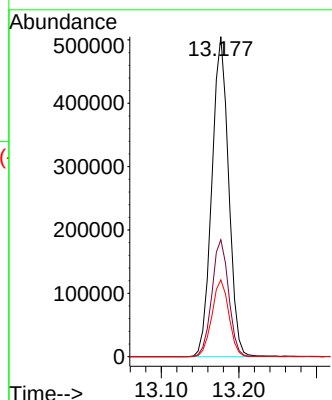
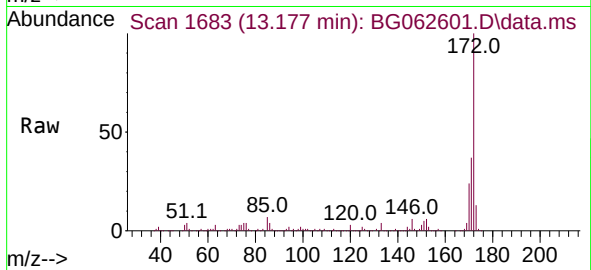




#45
2-Fluorobiphenyl
Concen: 56.092 ng
RT: 13.177 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

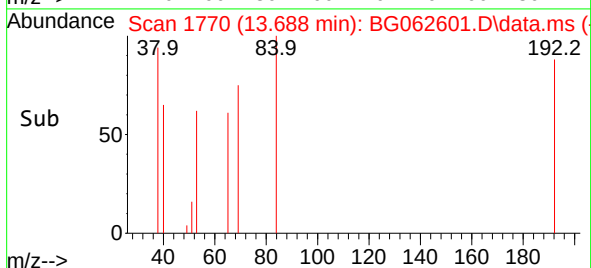
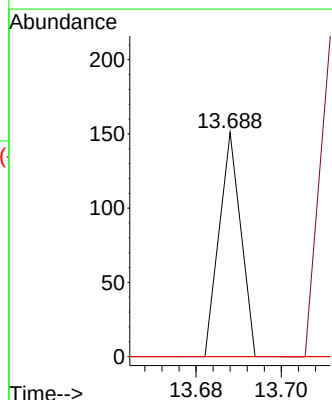
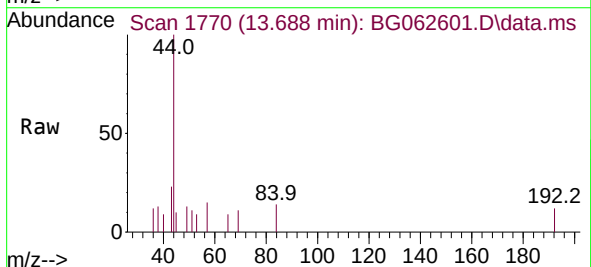
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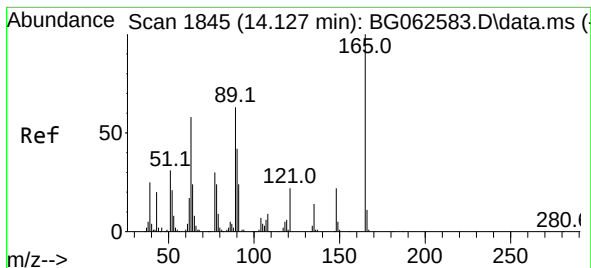
Tgt Ion:172 Resp: 760010
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.0 20.1 30.1



#48
2-Nitroaniline
Concen: 3.623 ng
RT: 13.688 min Scan# 1770
Delta R.T. 0.054 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion: 65 Resp: 53
Ion Ratio Lower Upper
65 100
92 0.0 50.6 76.0#
138 0.0 75.4 113.2#

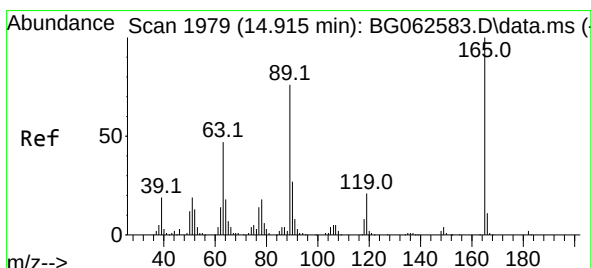
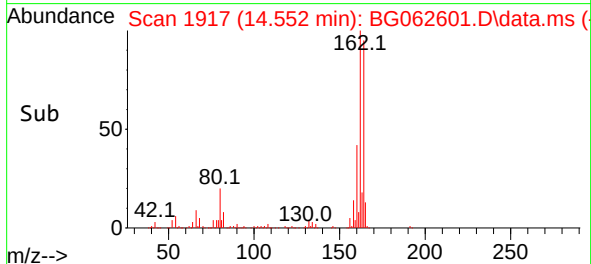
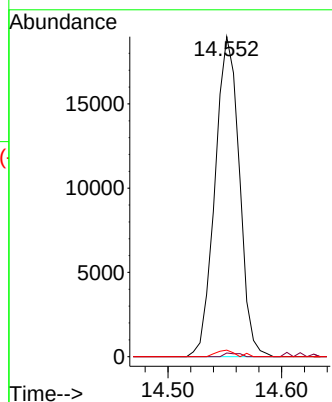
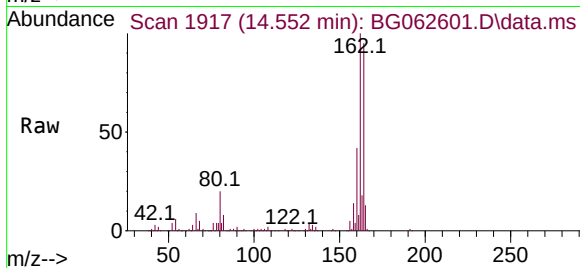




#51
2,6-Dinitrotoluene
Concen: 13.085 ng
RT: 14.552 min Scan# 1917
Delta R.T. 0.425 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

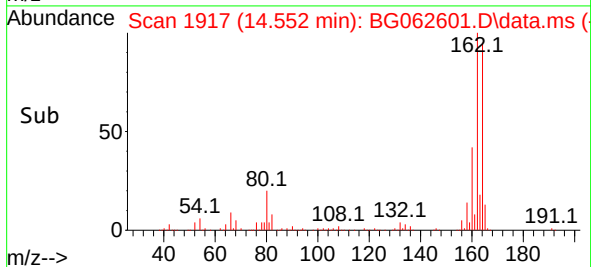
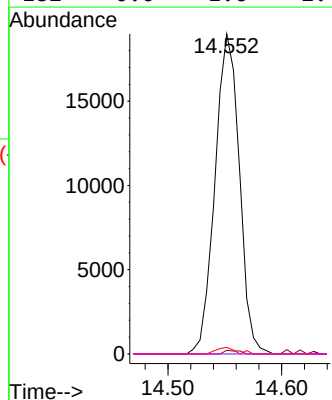
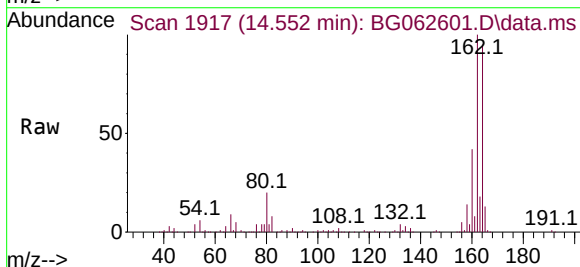
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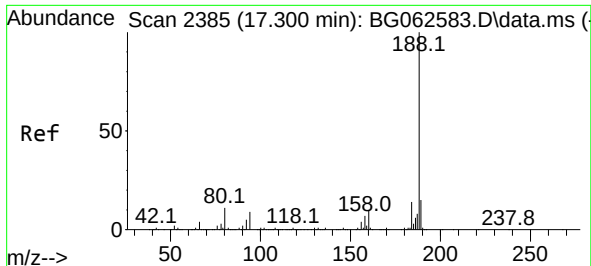
Tgt Ion:165 Resp: 28240
Ion Ratio Lower Upper
165 100
63 1.2 51.0 76.6#
89 2.1 50.6 76.0#



#57
2,4-Dinitrotoluene
Concen: 8.537 ng
RT: 14.552 min Scan# 1917
Delta R.T. -0.363 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:165 Resp: 28240
Ion Ratio Lower Upper
165 100
63 1.2 37.5 56.3#
89 2.1 60.8 91.2#
182 0.0 1.6 2.4#

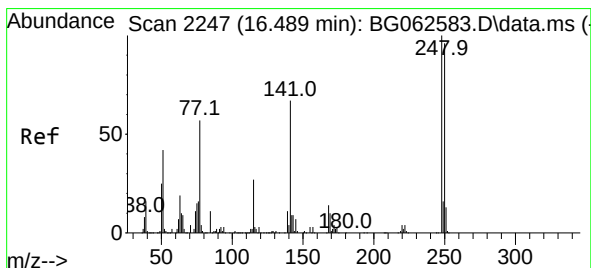
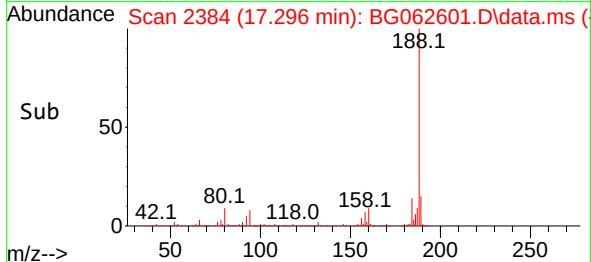
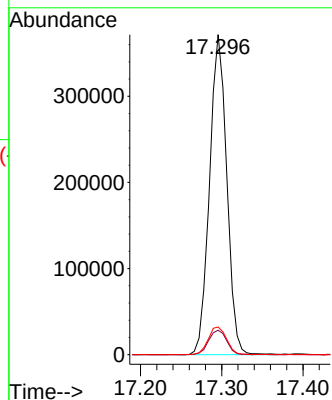
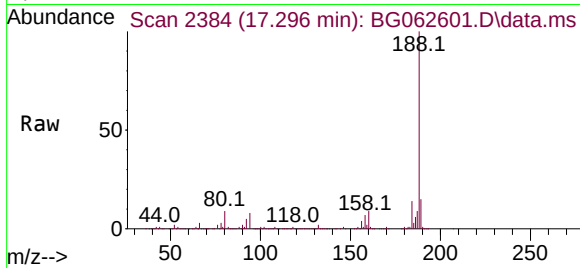




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.296 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

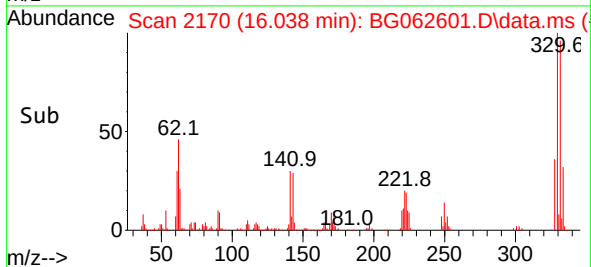
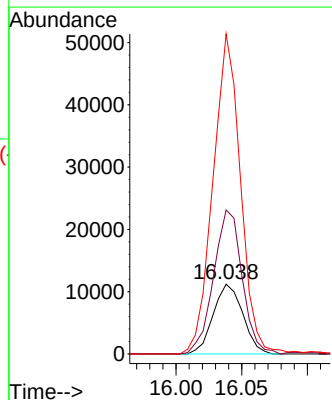
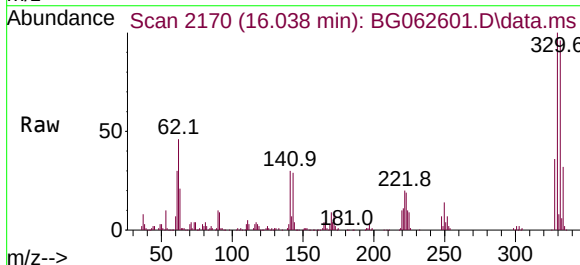
Instrument :
BNA_G
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P-5-COMPOSITE

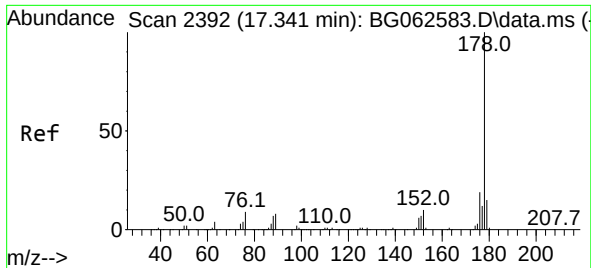
Tgt Ion:188 Resp: 546816
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 8.7 8.4 12.6



#67
4-Bromophenyl-phenylether
Concen: 3.333 ng
RT: 16.038 min Scan# 2170
Delta R.T. -0.451 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:248 Resp: 17543
Ion Ratio Lower Upper
248 100
250 268.1 76.7 115.1#
141 458.6 54.0 81.0#

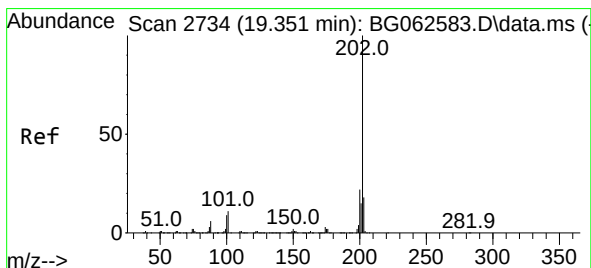
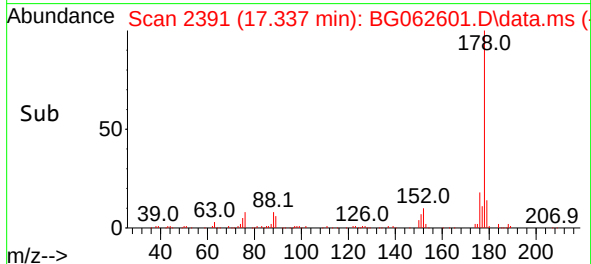
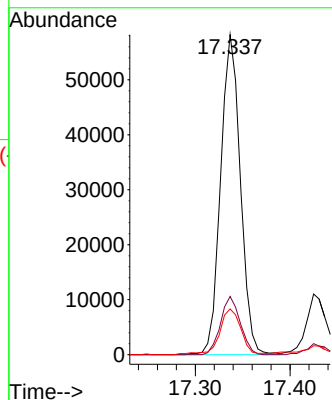
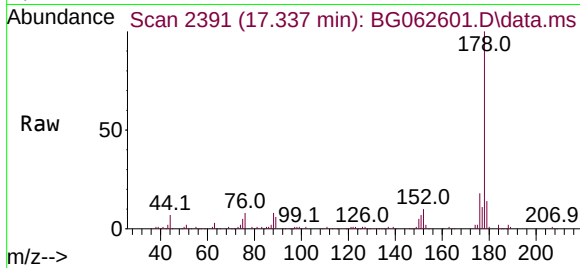




#71
Phenanthrene
Concen: 3.202 ng
RT: 17.337 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

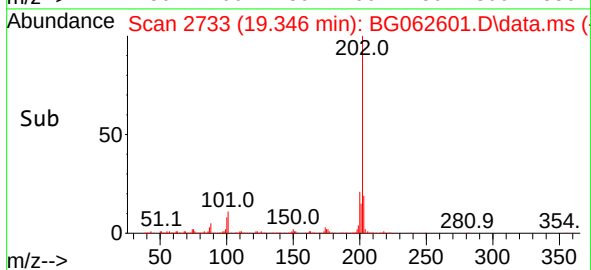
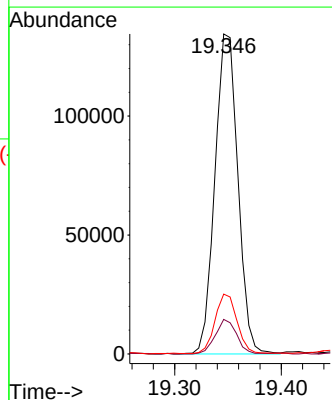
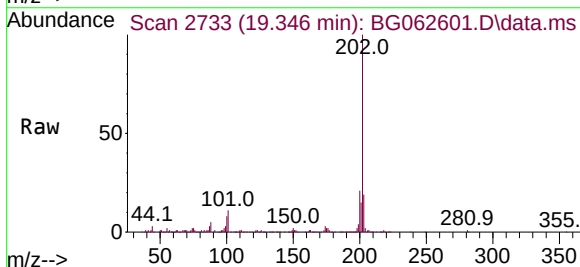
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

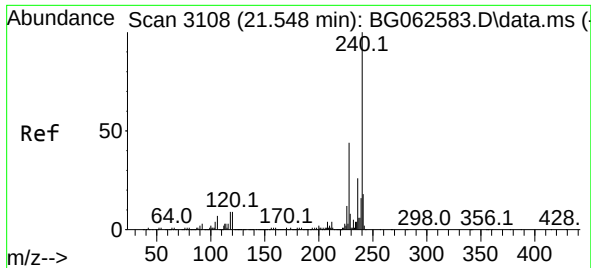
Tgt Ion:178 Resp: 84331
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 14.3 12.1 18.1



#75
Fluoranthene
Concen: 6.113 ng
RT: 19.346 min Scan# 2733
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:202 Resp: 201524
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.8
203 18.7 0.0 37.6

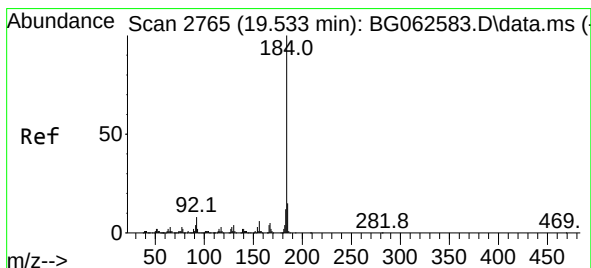
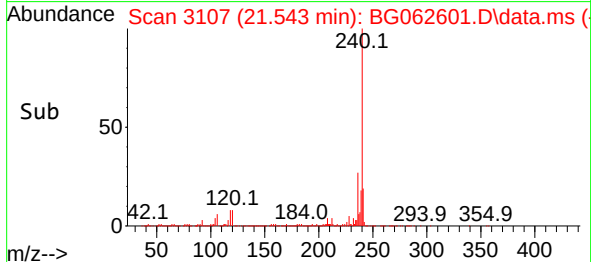
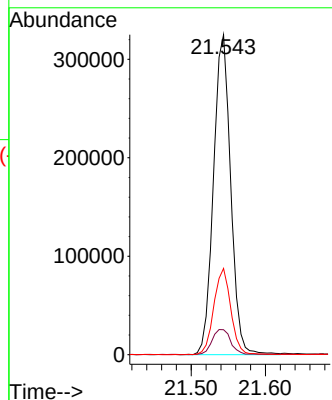
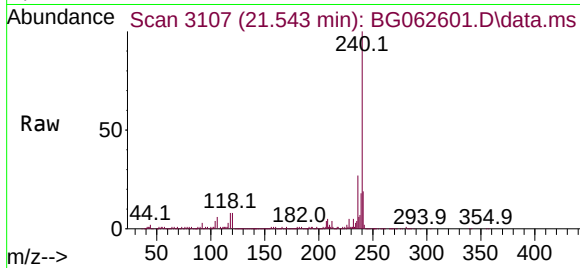




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.543 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

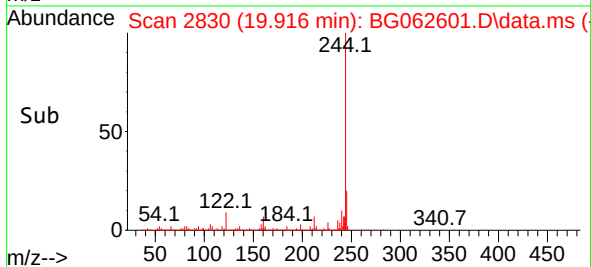
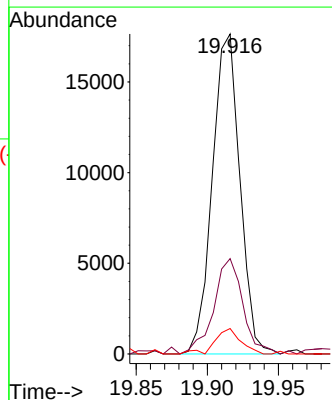
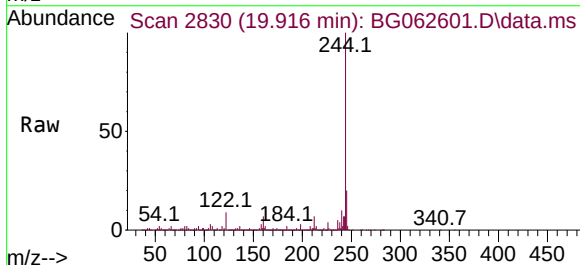
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

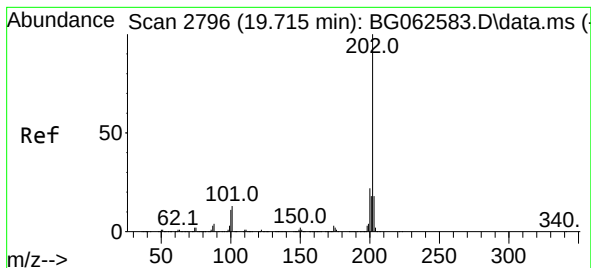
Tgt Ion:240 Resp: 523909
Ion Ratio Lower Upper
240 100
120 7.8 7.4 11.0
236 27.0 20.5 30.7



#77
Benzidine
Concen: 6.948 ng
RT: 19.916 min Scan# 2830
Delta R.T. 0.383 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:184 Resp: 23799
Ion Ratio Lower Upper
184 100
185 29.8 11.8 17.8#
183 8.0 9.3 13.9#





#78

Pyrene

Concen: 5.574 ng

RT: 19.710 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Instrument :

BNA_G

ClientSampleId :

P-5-COMPOSITE

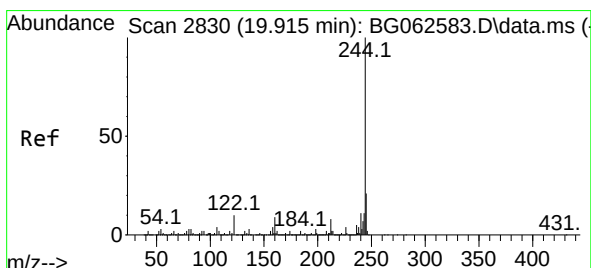
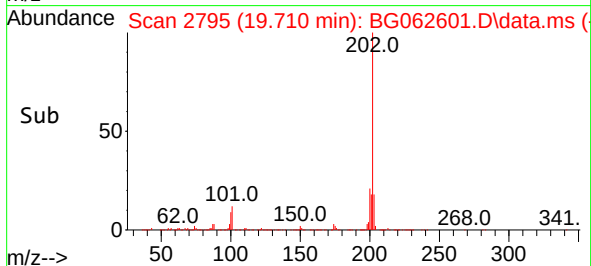
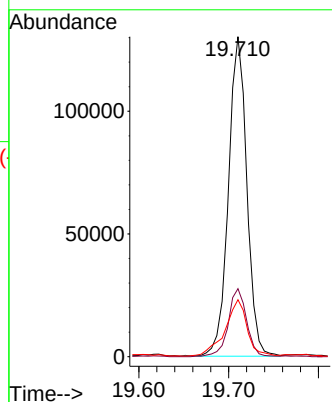
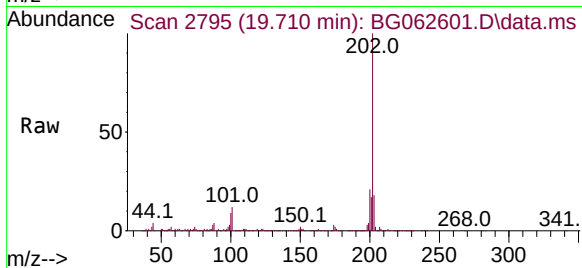
Tgt Ion:202 Resp: 185657

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

203 17.8 14.3 21.5



#79

Terphenyl-d14

Concen: 61.123 ng

RT: 19.916 min Scan# 2830

Delta R.T. 0.001 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

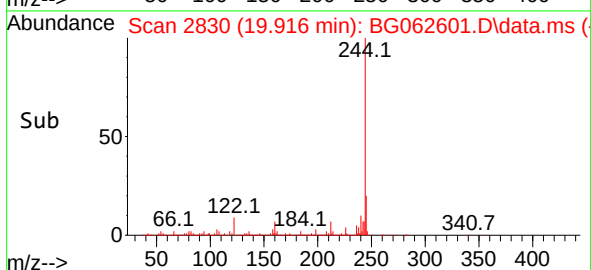
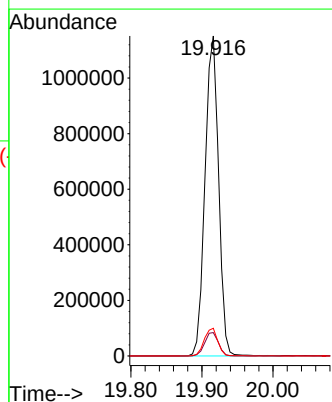
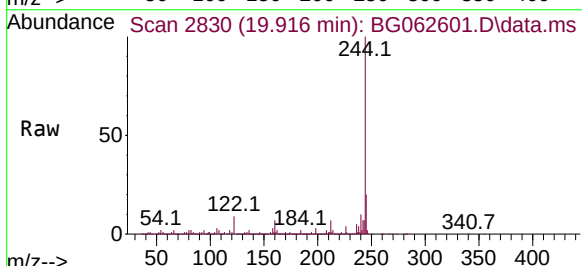
Tgt Ion:244 Resp: 1531648

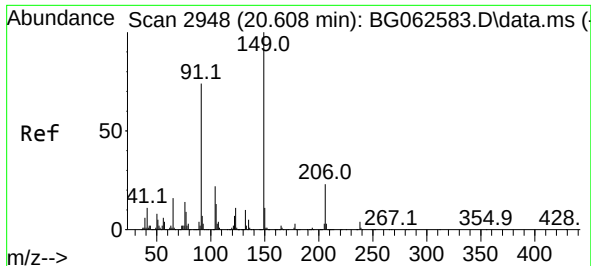
Ion Ratio Lower Upper

244 100

212 7.3 6.7 10.1

122 8.6 8.4 12.6

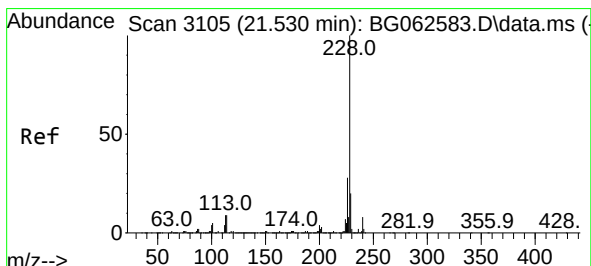
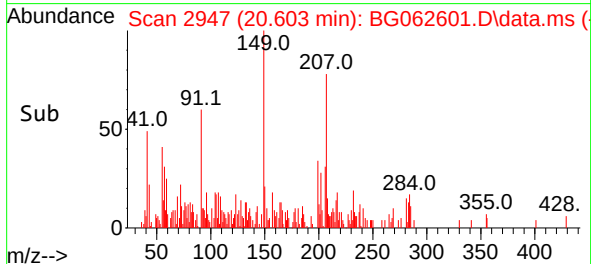
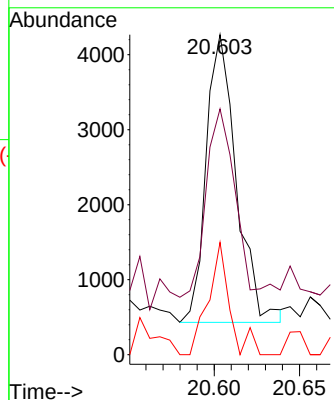
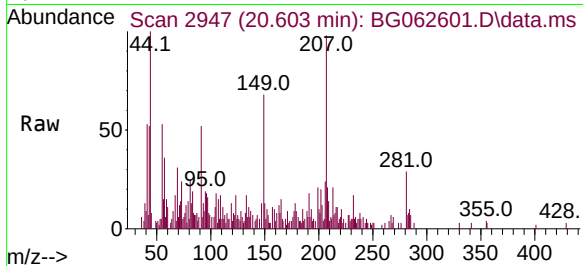




#80
Butylbenzylphthalate
Concen: 5.504 ng
RT: 20.603 min Scan# 2947
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

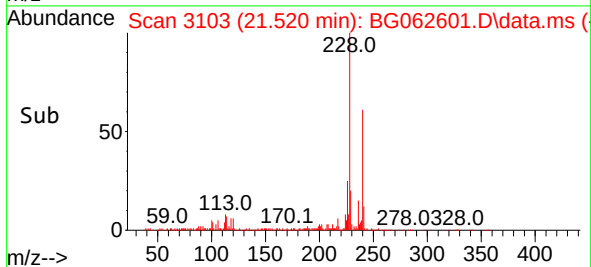
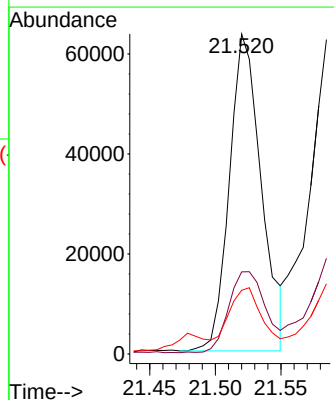
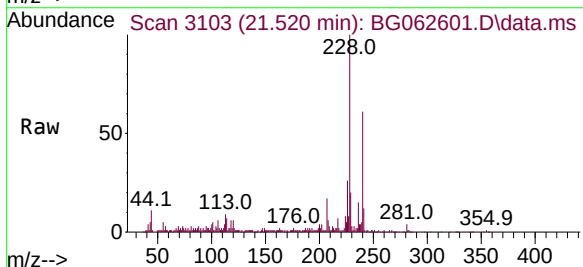
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

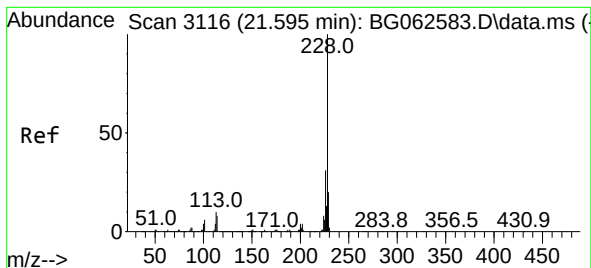
Tgt Ion:149 Resp: 4731
Ion Ratio Lower Upper
149 100
91 76.8 59.0 88.6
206 35.1 18.5 27.7#



#81
Benzo(a)anthracene
Concen: 3.217 ng
RT: 21.520 min Scan# 3103
Delta R.T. -0.010 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

Tgt Ion:228 Resp: 107356
Ion Ratio Lower Upper
228 100
226 25.7 22.6 33.8
229 19.9 16.2 24.2





#83

Chrysene

Concen: 3.501 ng

RT: 21.585 min Scan# 3116

Delta R.T. -0.010 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Instrument :

BNA_G

ClientSampleId :

P-5-COMPOSITE

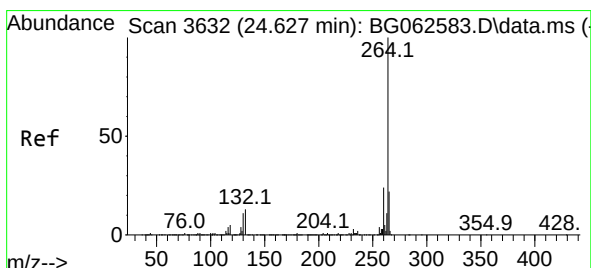
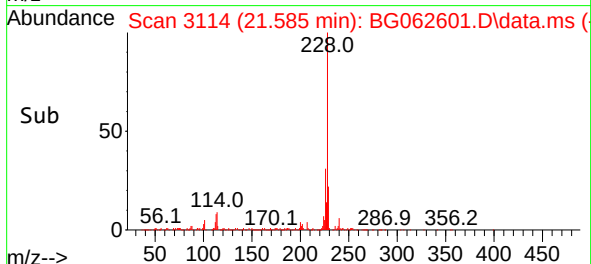
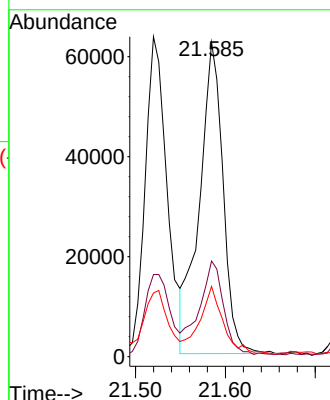
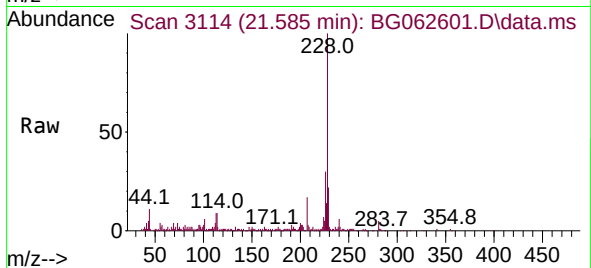
Tgt Ion:228 Resp: 114298

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

229 22.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.622 min Scan# 3631

Delta R.T. -0.005 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

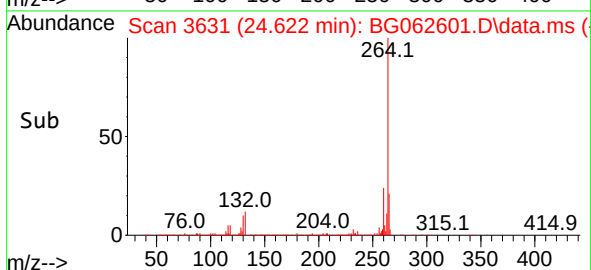
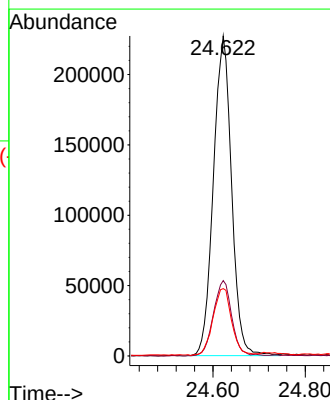
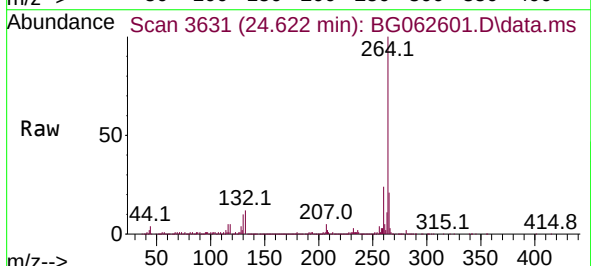
Tgt Ion:264 Resp: 620801

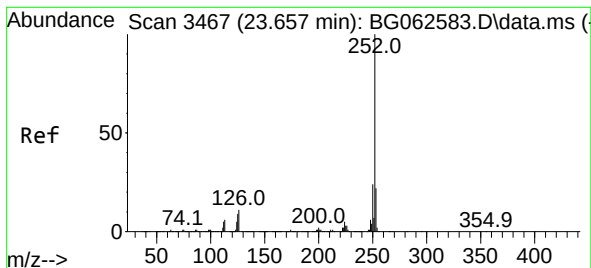
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.0 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 4.584 ng

RT: 23.653 min Scan# 3466

Delta R.T. -0.005 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Instrument :

BNA_G

ClientSampleId :

P-5-COMPOSITE

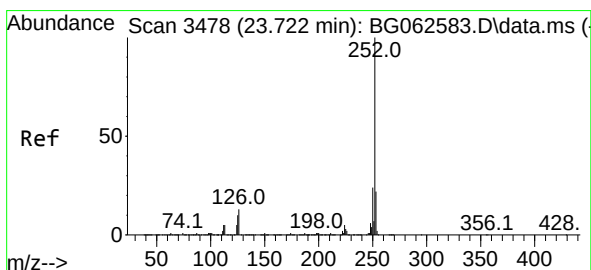
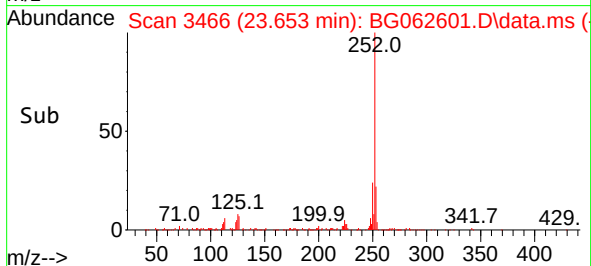
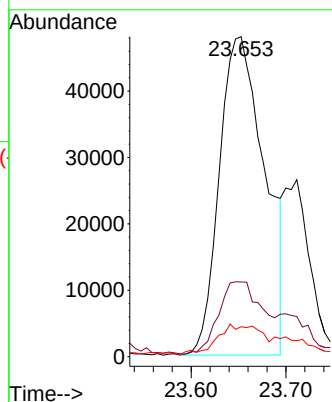
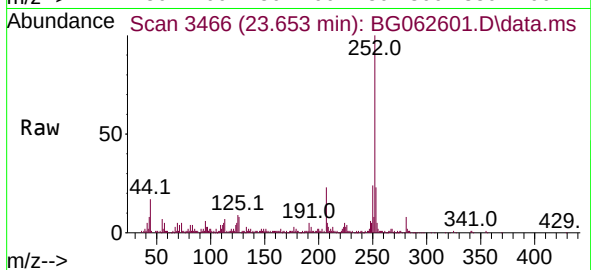
Tgt Ion:252 Resp: 159402

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 9.3 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 4.620 ng

RT: 23.653 min Scan# 3466

Delta R.T. -0.069 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

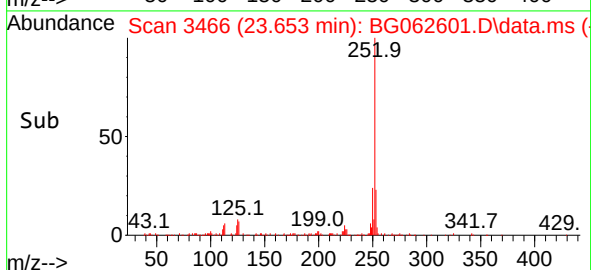
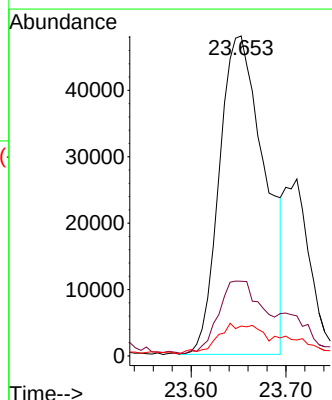
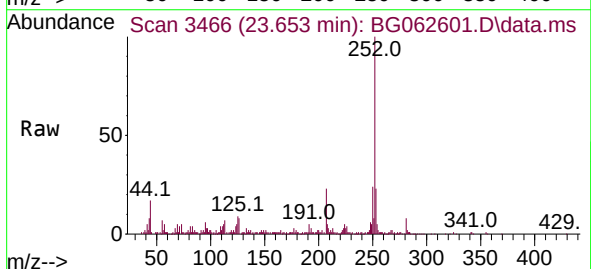
Tgt Ion:252 Resp: 159402

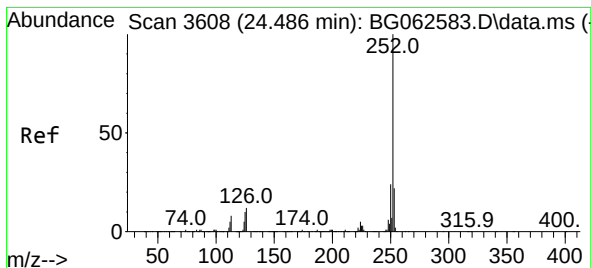
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 9.3 7.5 11.3





#90

Benzo(a)pyrene

Concen: 3.352 ng

RT: 24.469 min Scan# 3

Delta R.T. -0.016 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Instrument :

BNA_G

ClientSampleId :

P-5-COMPOSITE

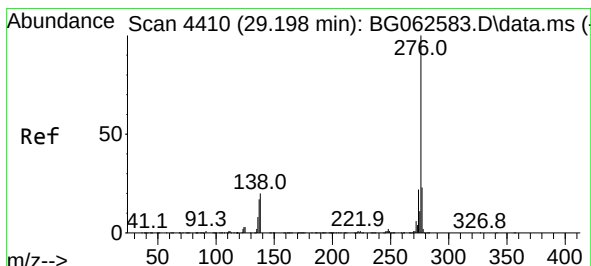
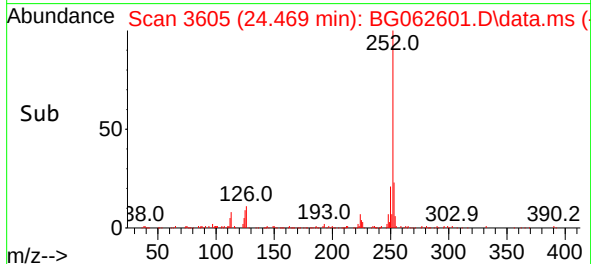
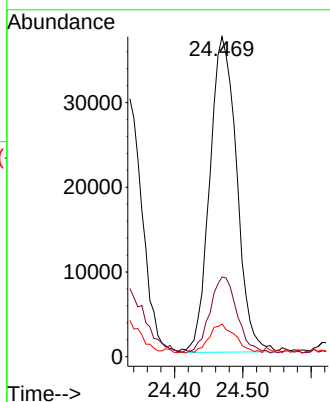
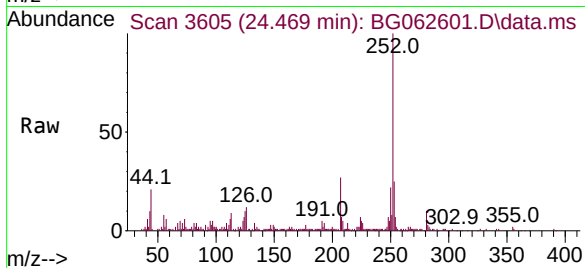
Tgt Ion:252 Resp: 102455

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.2

125 10.2 7.9 11.9



#92

Benzo(g,h,i)perylene

Concen: 2.571 ng

RT: 29.170 min Scan# 4405

Delta R.T. -0.028 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Tgt Ion:276 Resp: 84565

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 18.9 15.8 23.6

