

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)

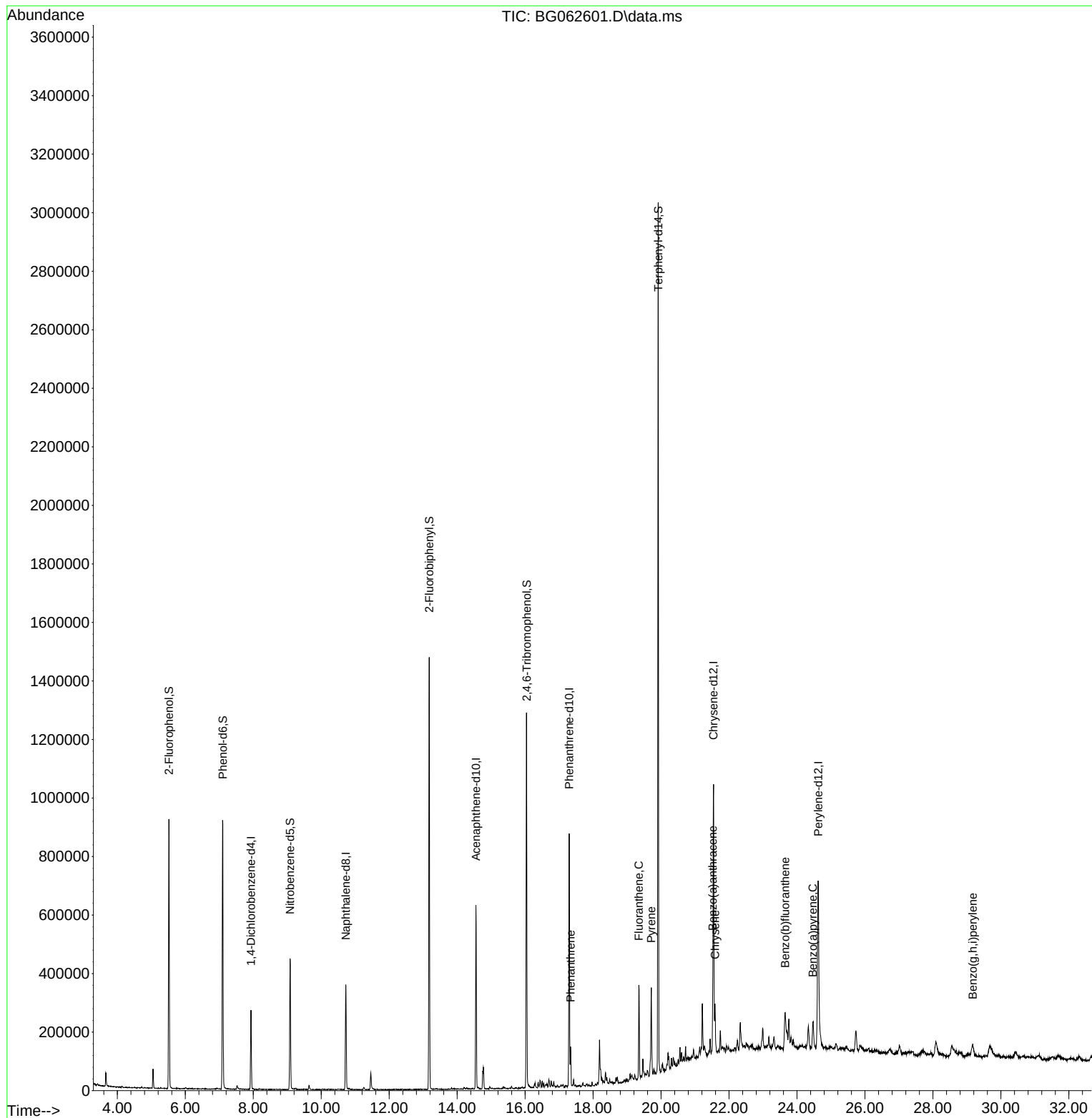
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	75128	20.000	ng	0.00
21) Naphthalene-d8	10.721	136	308803	20.000	ng	0.00
39) Acenaphthene-d10	14.552	164	222792	20.000	ng	0.00
64) Phenanthrene-d10	17.296	188	546816	20.000	ng	0.00
76) Chrysene-d12	21.543	240	523909	20.000	ng	0.00
86) Perylene-d12	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
71) Phenanthrene	17.337	178	84331	3.202	ng	98
75) Fluoranthene	19.346	202	201524	6.113	ng	98
78) Pyrene	19.710	202	185657	5.574	ng	99
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
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

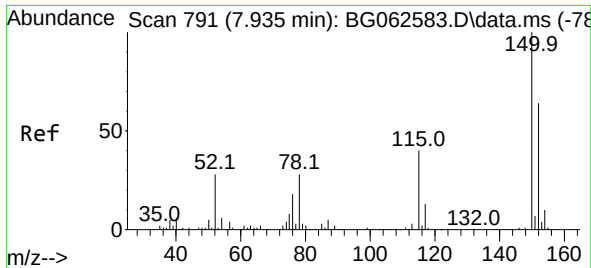
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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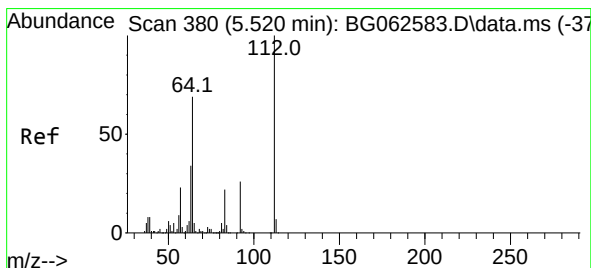
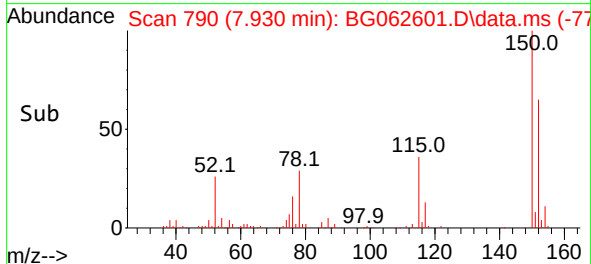
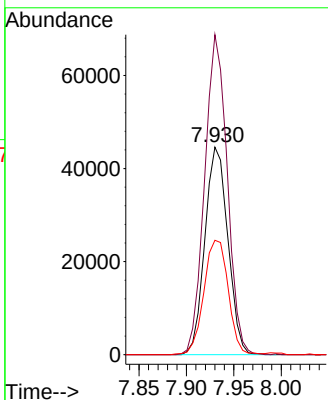
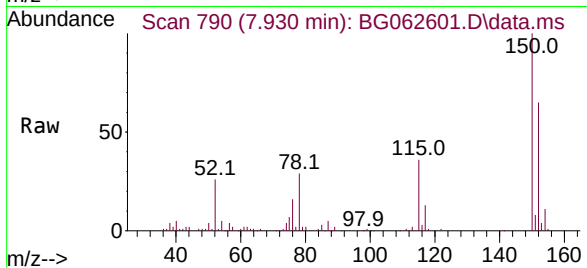




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 791
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

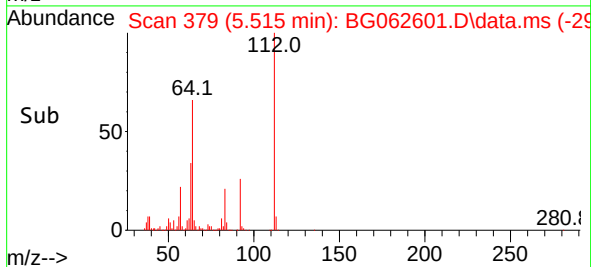
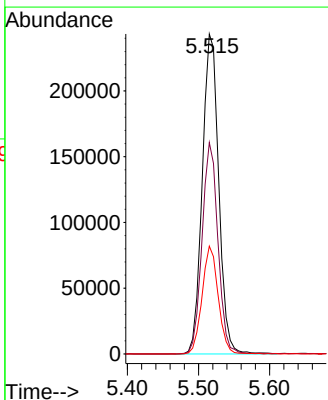
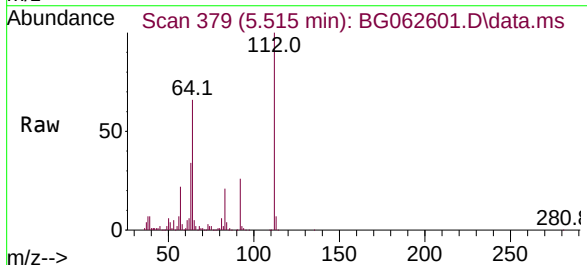
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

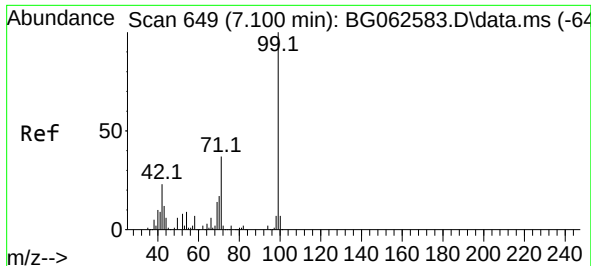
Tgt Ion:152 Resp: 75128
Ion Ratio Lower Upper
152 100
150 154.2 125.1 187.7
115 55.1 50.6 76.0



#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

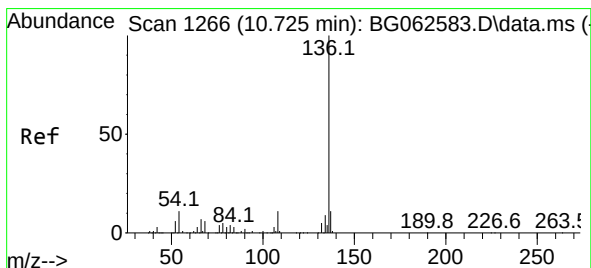
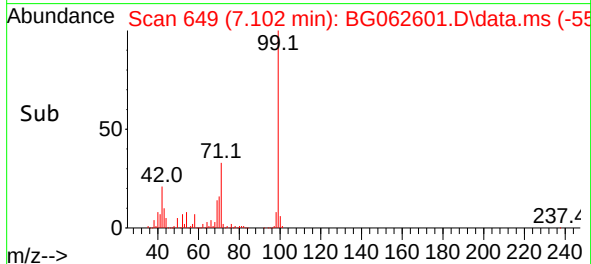
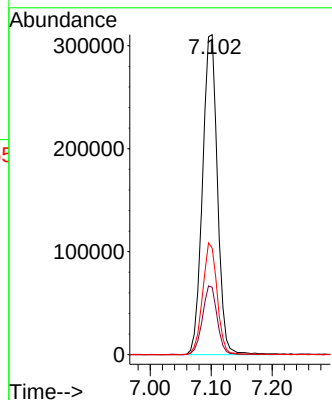
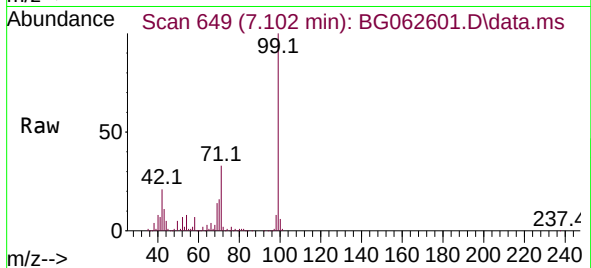




#7
Phenol-d6
Concen: 88.947 ng
RT: 7.102 min Scan# 649
Delta R.T. 0.001 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

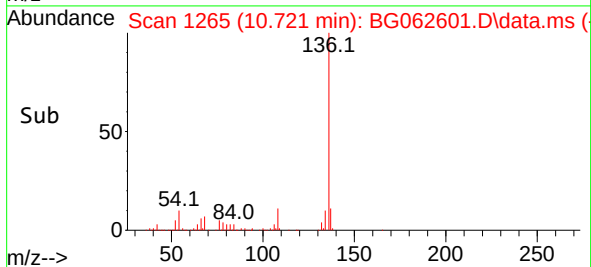
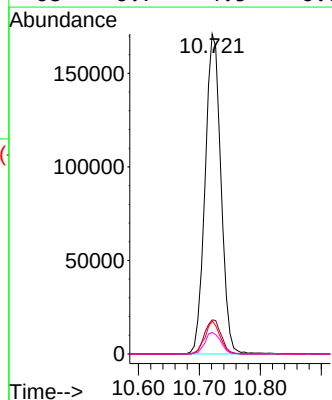
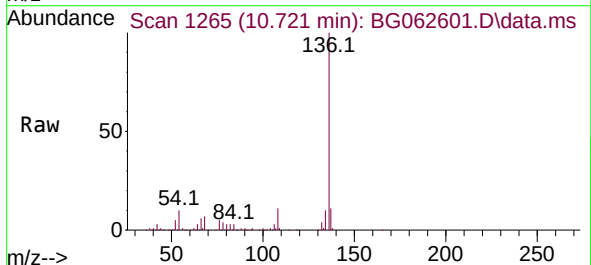
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

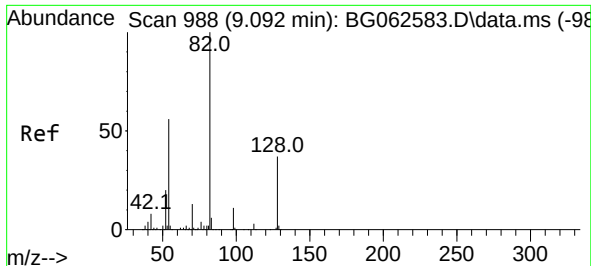
Tgt Ion: 99 Resp: 530590
Ion Ratio Lower Upper
99 100
42 21.1 18.7 28.1
71 33.3 29.8 44.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.721 min Scan# 1265
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

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# 91

Delta R.T. -0.010 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Instrument :

BNA_G

ClientSampleId :

P-5-COMPOSITE

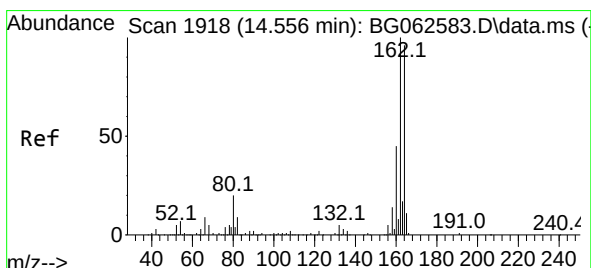
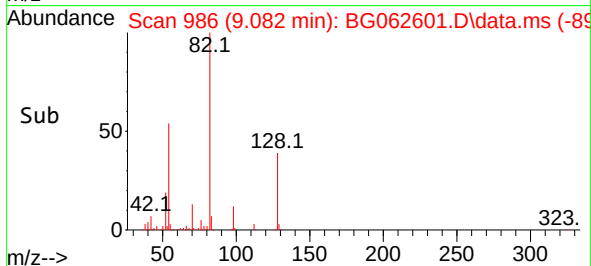
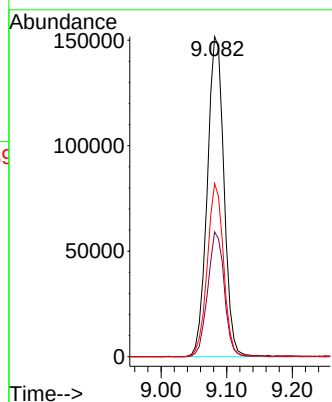
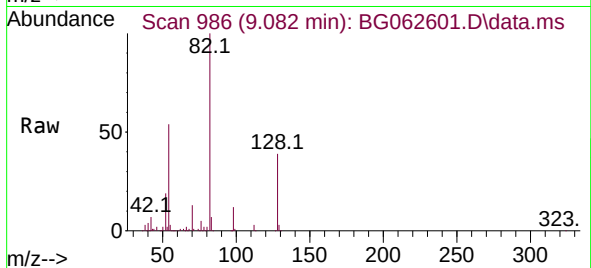
Tgt Ion: 82 Resp: 268795

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# 1917

Delta R.T. -0.005 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

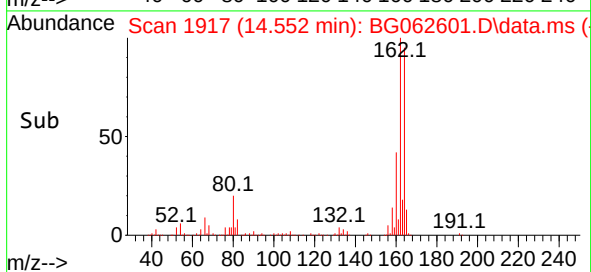
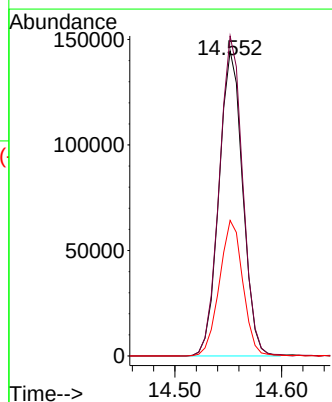
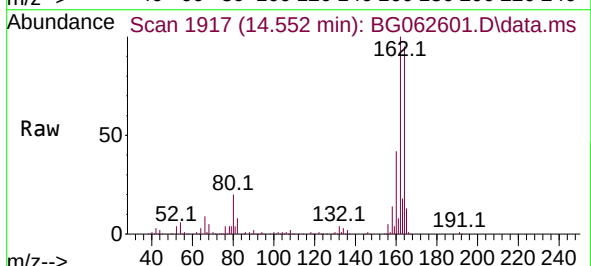
Tgt Ion: 164 Resp: 222792

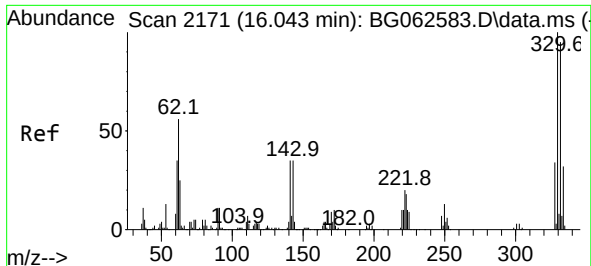
Ion Ratio Lower Upper

164 100

162 104.9 83.0 124.6

160 44.4 37.7 56.5

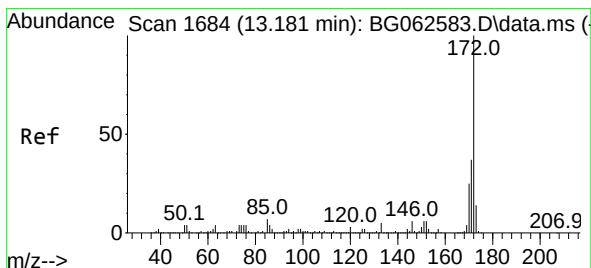
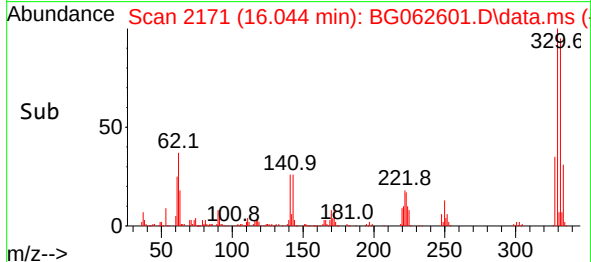
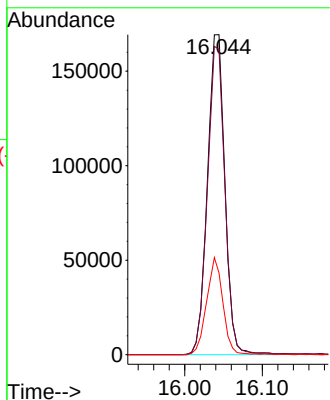
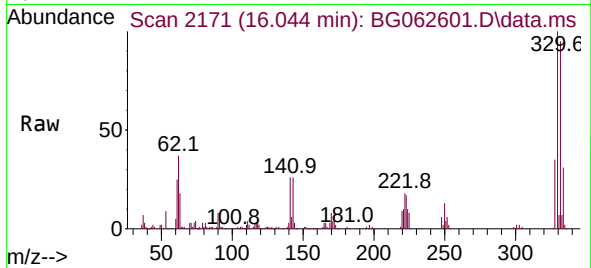




#42
2,4,6-Tribromophenol
Concen: 107.834 ng
RT: 16.044 min Scan# 2171
Delta R.T. 0.001 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

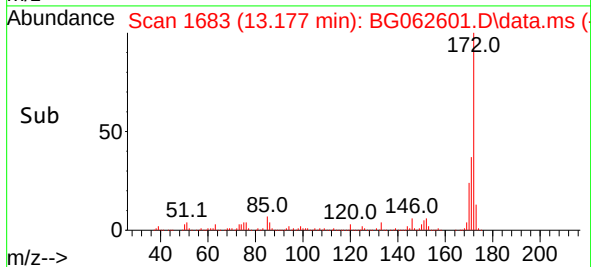
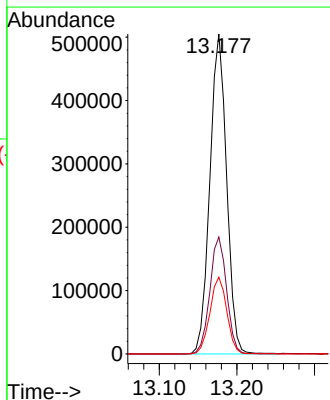
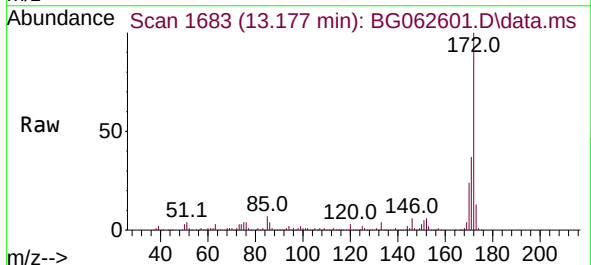
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

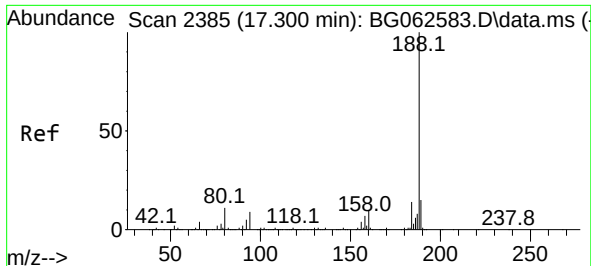
Tgt Ion:330 Resp: 265384
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 28.4 26.5 39.7



#45
2-Fluorobiphenyl
Concen: 56.092 ng
RT: 13.177 min Scan# 1683
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

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

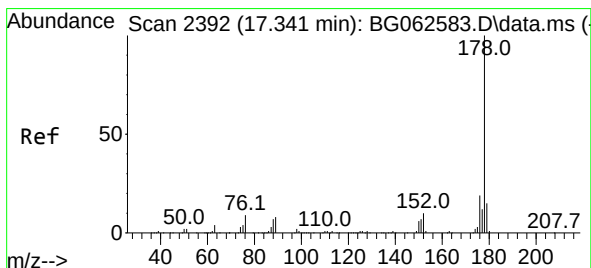
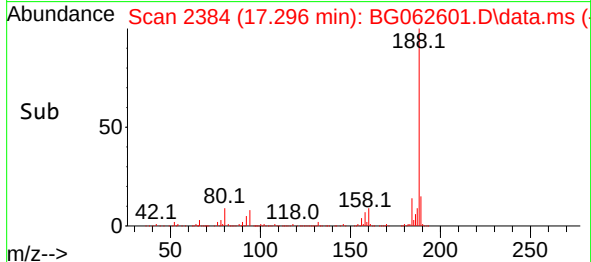
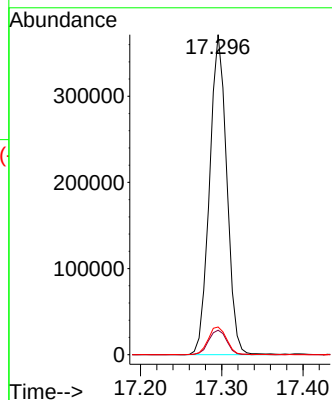
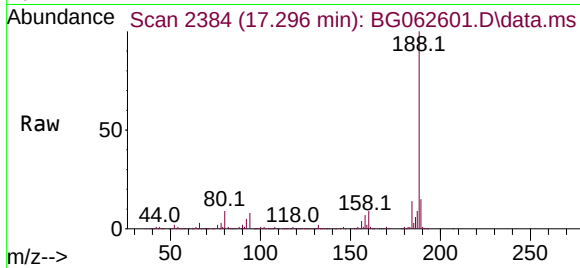




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.296 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

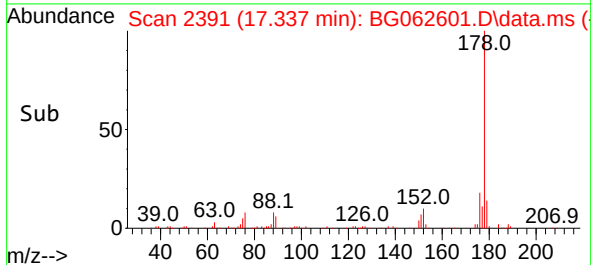
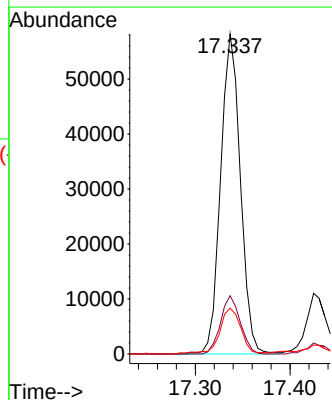
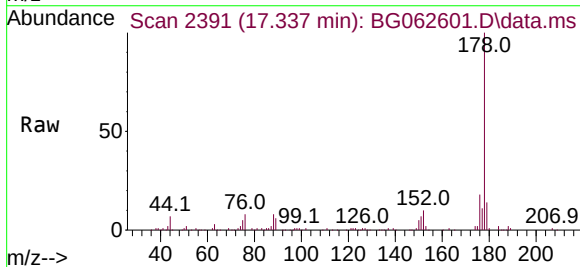
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

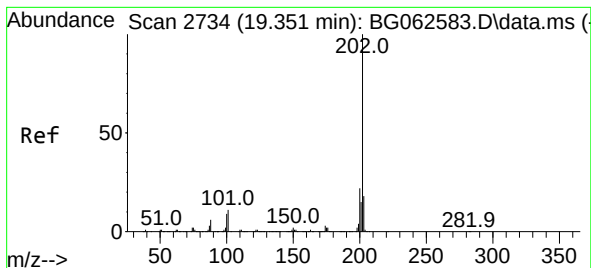
Tgt Ion:188 Resp: 546816
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 8.7 8.4 12.6



#71
Phenanthrene
Concen: 3.202 ng
RT: 17.337 min Scan# 2391
Delta R.T. -0.005 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

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# 21

Delta R.T. -0.005 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Instrument :

BNA_G

ClientSampleId :

P-5-COMPOSITE

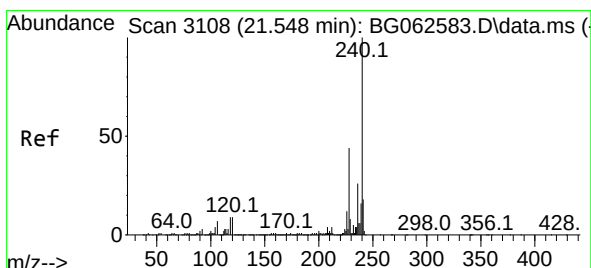
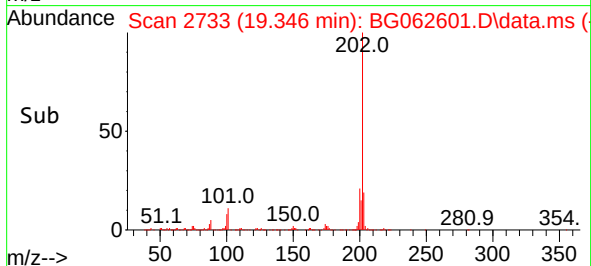
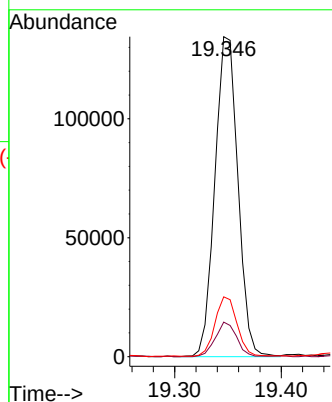
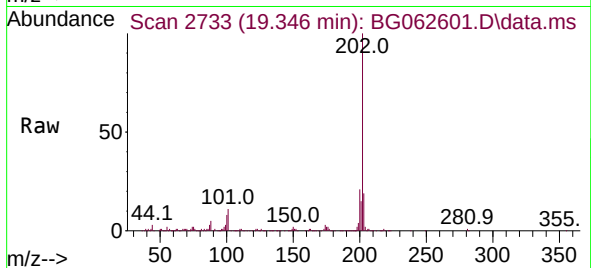
Tgt Ion:202 Resp: 201524

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# 3107

Delta R.T. -0.005 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

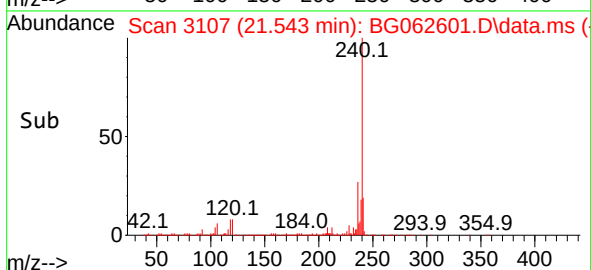
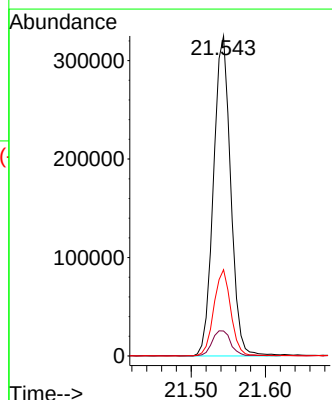
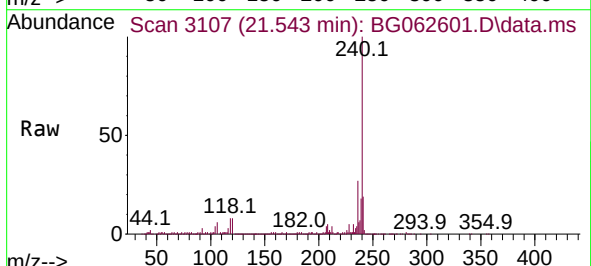
Tgt Ion:240 Resp: 523909

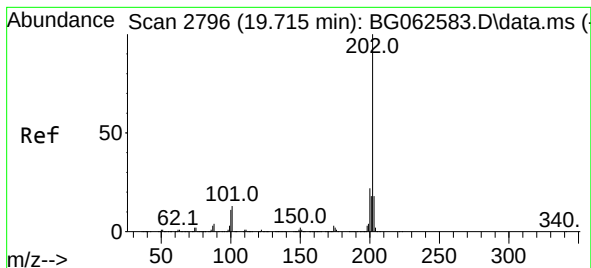
Ion Ratio Lower Upper

240 100

120 7.8 7.4 11.0

236 27.0 20.5 30.7





#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

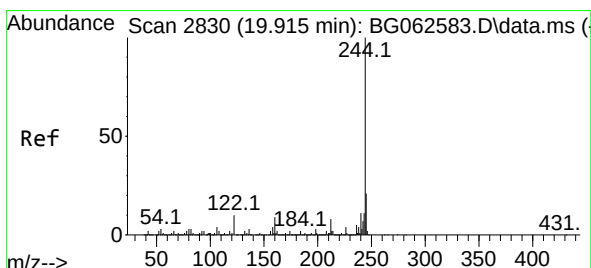
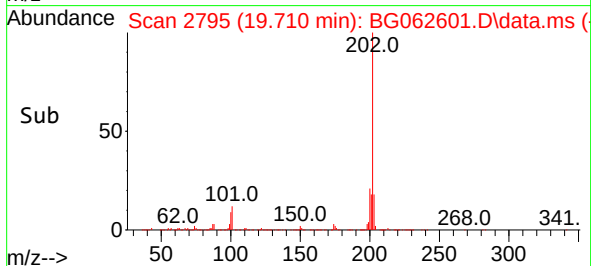
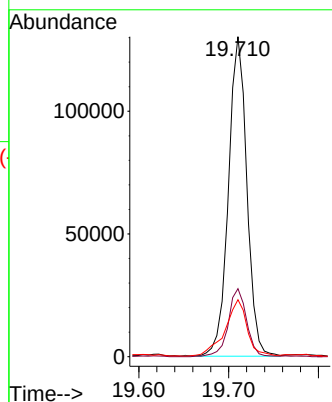
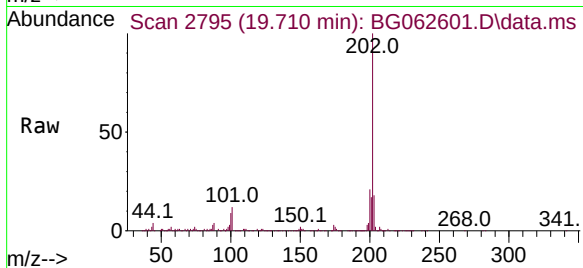
Tgt Ion:202 Resp: 185657

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

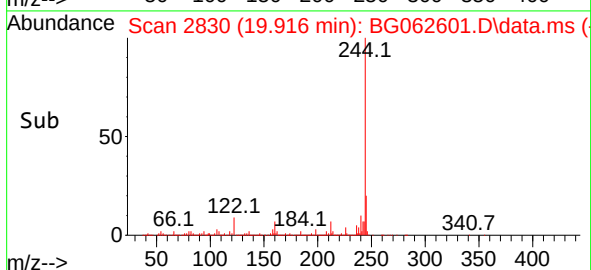
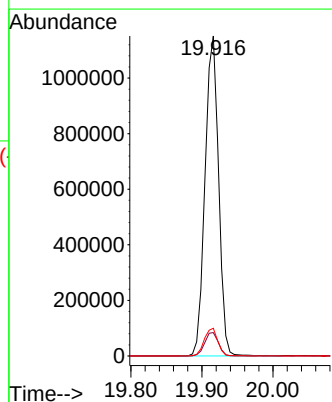
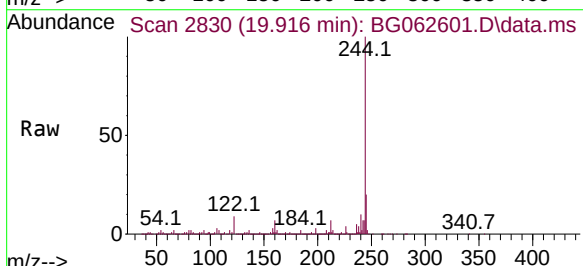
Tgt Ion:244 Resp: 1531648

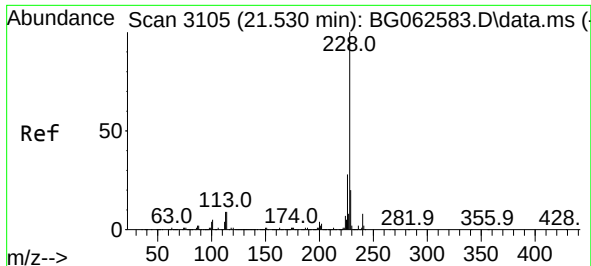
Ion Ratio Lower Upper

244 100

212 7.3 6.7 10.1

122 8.6 8.4 12.6

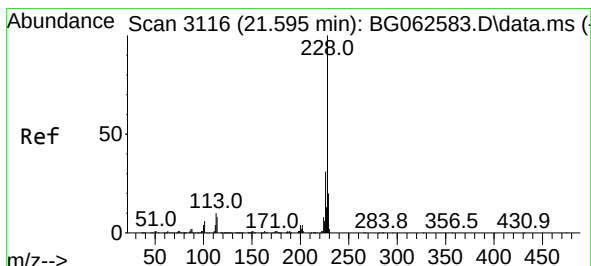
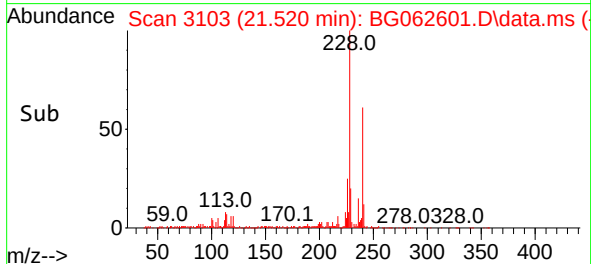
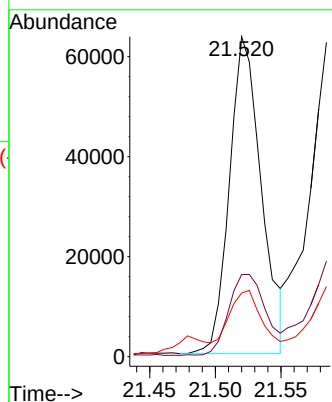
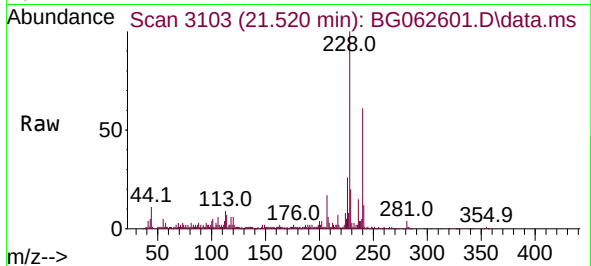




#81
Benzo(a)anthracene
Concen: 3.217 ng
RT: 21.520 min Scan# 3103
Delta R.T. -0.010 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

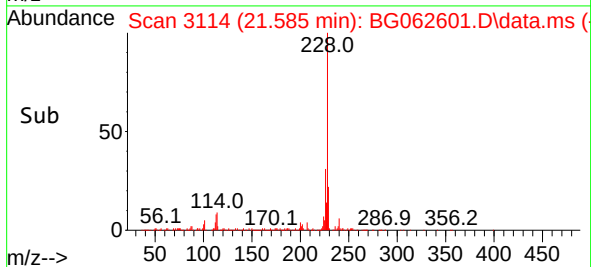
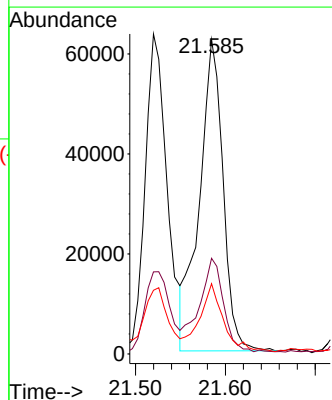
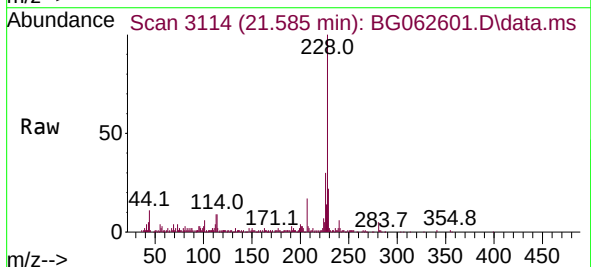
Instrument :
BNA_G
ClientSampleId :
P-5-COMPOSITE

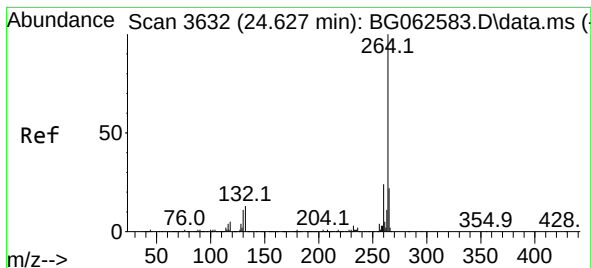
Tgt Ion:228 Resp: 107356
Ion Ratio Lower Upper
228 100
226 25.7 22.6 33.8
229 19.9 16.2 24.2



#83
Chrysene
Concen: 3.501 ng
RT: 21.585 min Scan# 3114
Delta R.T. -0.010 min
Lab File: BG062601.D
Acq: 28 Aug 2024 18:41

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# 3

Delta R.T. -0.005 min

Lab File: BG062601.D

Acq: 28 Aug 2024 18:41

Instrument :

BNA_G

ClientSampleId :

P-5-COMPOSITE

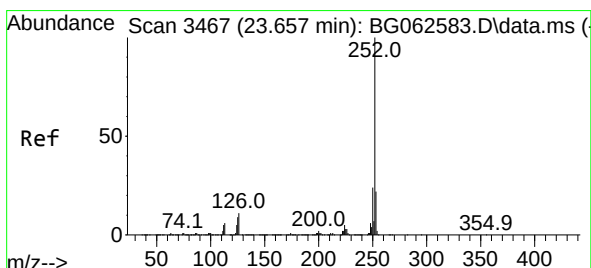
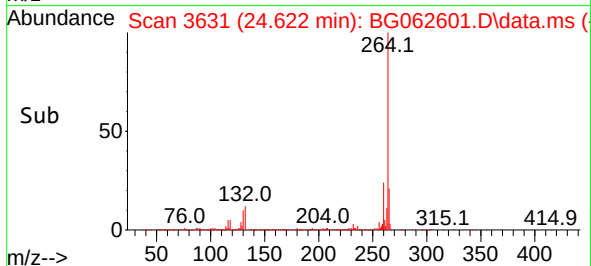
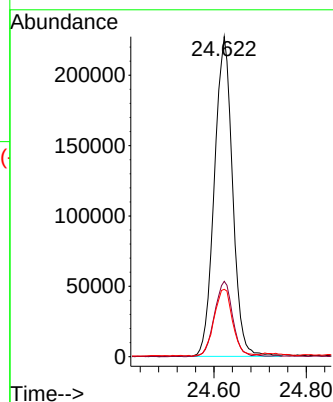
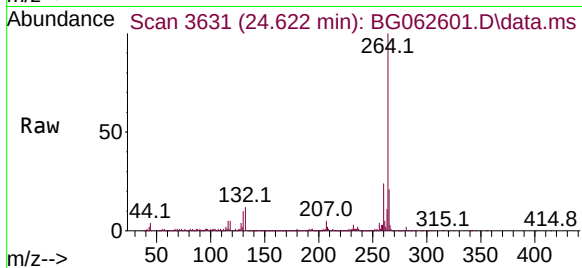
Tgt Ion:264 Resp: 620801

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

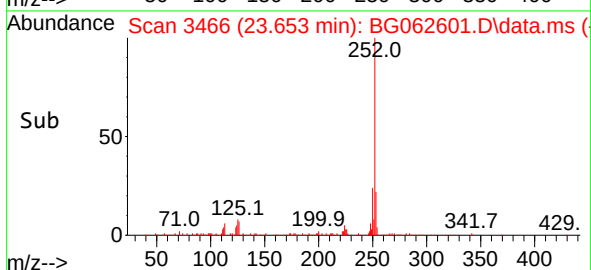
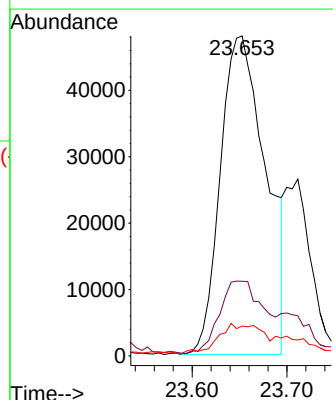
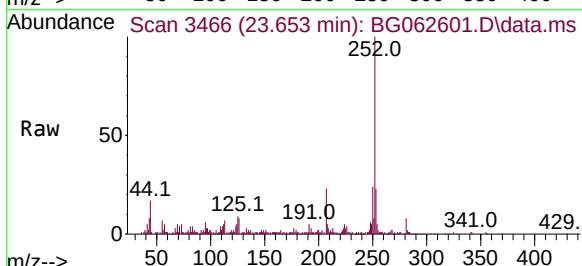
Tgt Ion:252 Resp: 159402

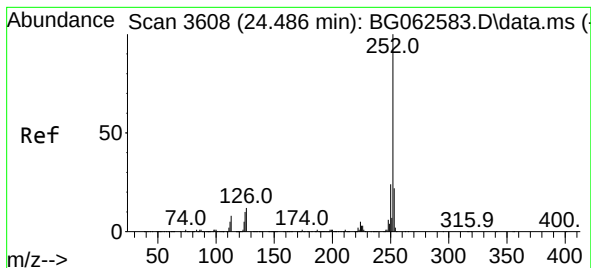
Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 9.3 7.3 10.9





#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

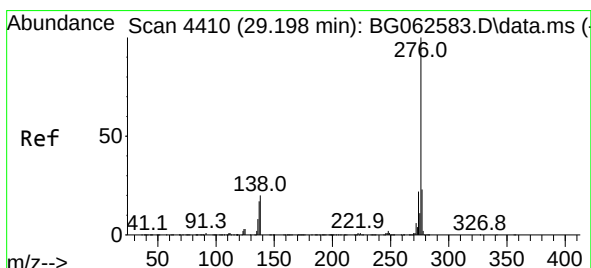
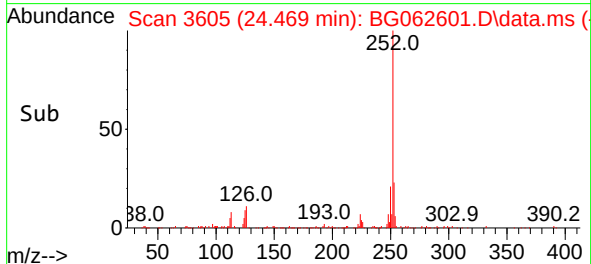
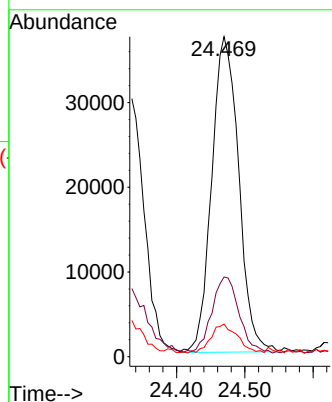
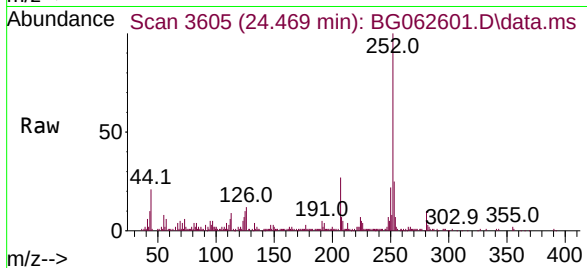
Tgt Ion:252 Resp: 102455

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

