

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092325\
 Data File : BG064438.D
 Acq On : 23 Sep 2025 13:59
 Operator : RC/JU
 Sample : Q3155-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Quant Time: Sep 23 14:36:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

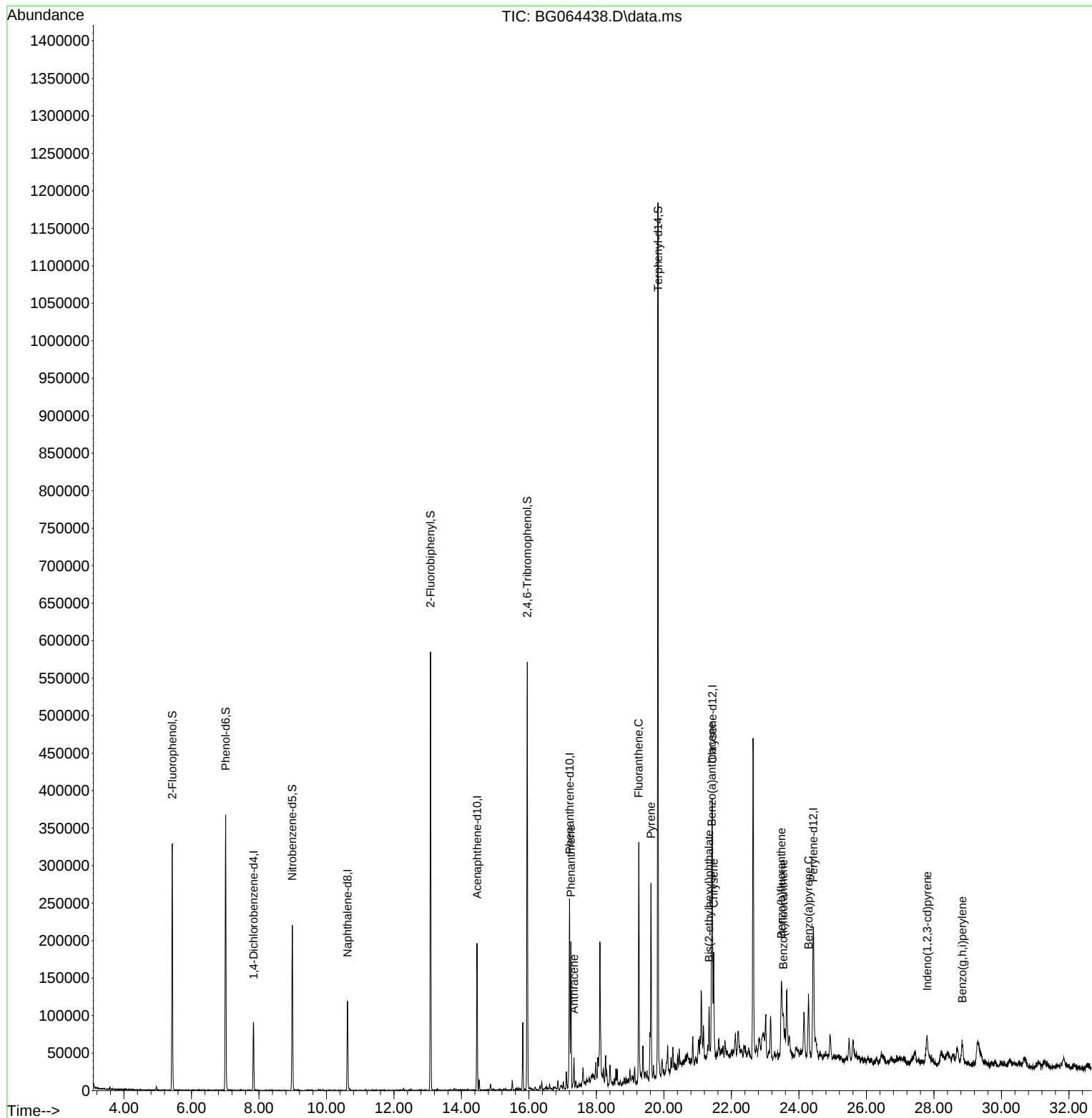
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	22529	20.000	ng	-0.02
21) Naphthalene-d8	10.621	136	95164	20.000	ng	#-0.03
39) Acenaphthene-d10	14.463	164	68543	20.000	ng	-0.02
64) Phenanthrene-d10	17.201	188	152982	20.000	ng	#-0.02
76) Chrysene-d12	21.432	240	165680	20.000	ng	#-0.02
86) Perylene-d12	24.422	264	182154	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	120183	95.708	ng	-0.01
7) Phenol-d6	7.013	99	159400	92.397	ng	-0.02
23) Nitrobenzene-d5	8.987	82	115178	67.499	ng	-0.03
42) 2,4,6-Tribromophenol	15.950	330	104767	115.397	ng	-0.02
45) 2-Fluorobiphenyl	13.082	172	283264	63.079	ng	-0.03
79) Terphenyl-d14	19.822	244	529910	66.730	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.242	178	116132	14.393	ng	98
72) Anthracene	17.336	178	25022	3.049	ng	97
75) Fluoranthene	19.252	202	186285	19.635	ng	97
78) Pyrene	19.616	202	158198	15.156	ng	96
81) Benzo(a)anthracene	21.414	228	99007	9.341	ng	97
83) Chrysene	21.473	228	90450	8.889	ng	95
84) Bis(2-ethylhexyl)phtha...	21.337	149	24165	4.088	ng	92
87) Indeno(1,2,3-cd)pyrene	27.795	276	56820	4.568	ng	# 97
88) Benzo(b)fluoranthene	23.476	252	110608	10.759	ng	# 94
89) Benzo(k)fluoranthene	23.535	252	48261m	4.608	ng	
90) Benzo(a)pyrene	24.281	252	82598	8.637	ng	93
92) Benzo(g,h,i)perylene	28.840	276	53436	5.498	ng	# 94

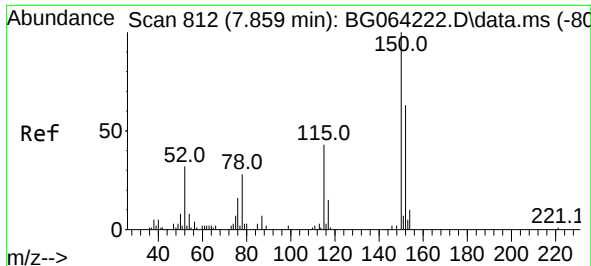
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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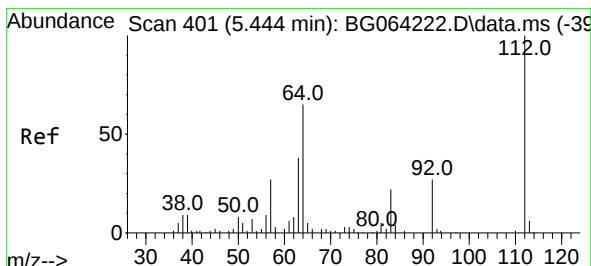
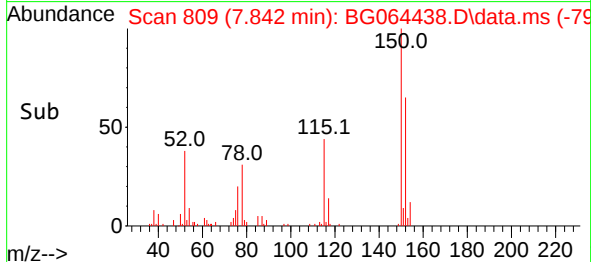
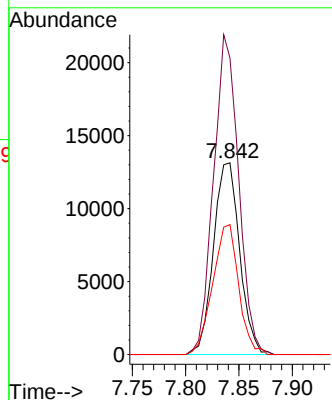
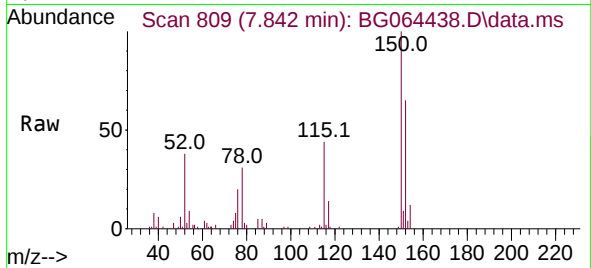




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.842 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

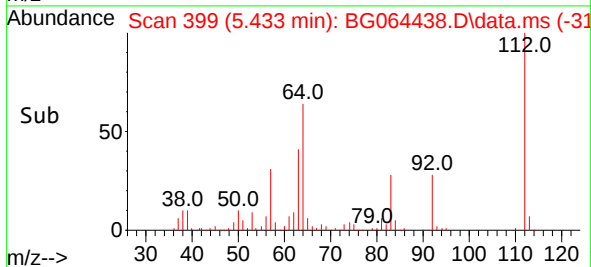
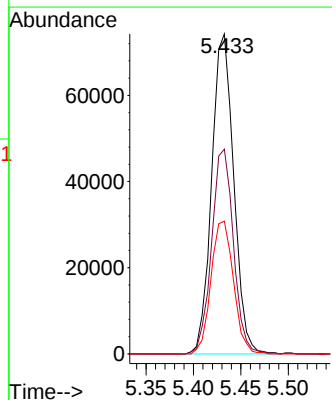
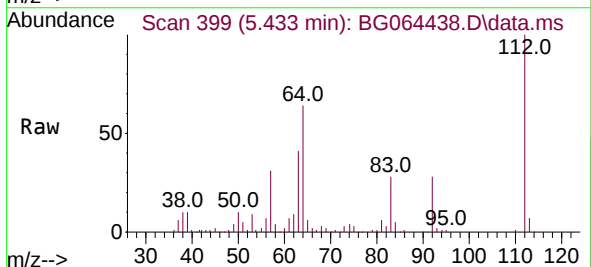
Instrument :
BNA_G
ClientSampleId :
COMP-2

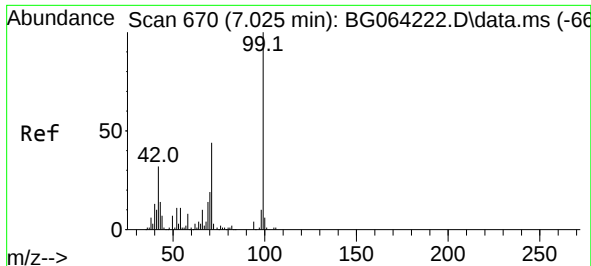
Tgt Ion:152 Resp: 22529
Ion Ratio Lower Upper
152 100
150 154.6 128.0 192.0
115 67.8 55.7 83.5



#5
2-Fluorophenol
Concen: 95.708 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.012 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:112 Resp: 120183
Ion Ratio Lower Upper
112 100
64 64.0 51.8 77.6
63 41.5 30.6 45.8

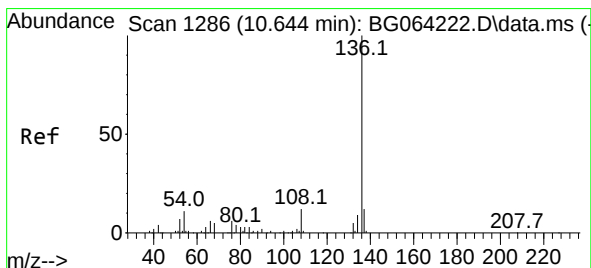
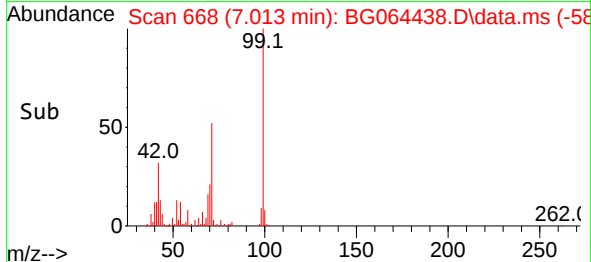
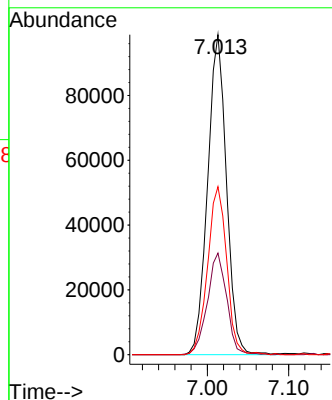
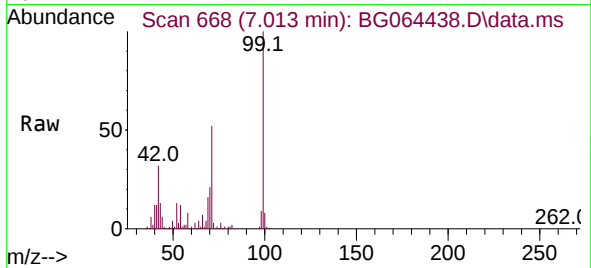




#7
Phenol-d6
Concen: 92.397 ng
RT: 7.013 min Scan# 60
Delta R.T. -0.018 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

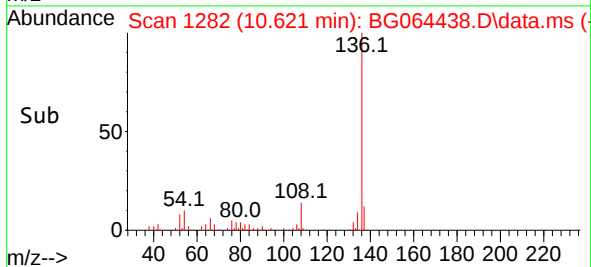
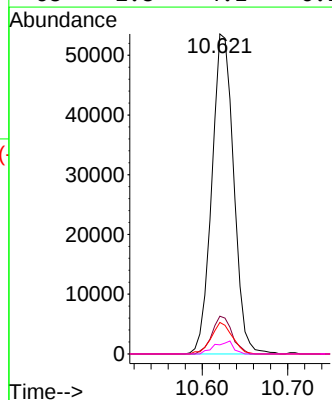
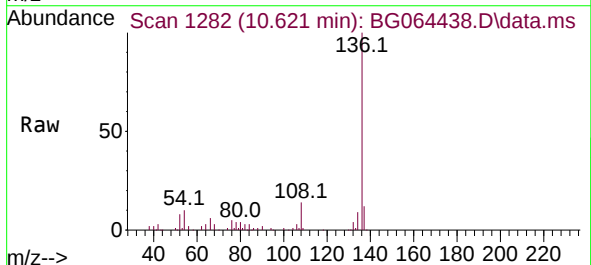
Instrument :
BNA_G
ClientSampleId :
COMP-2

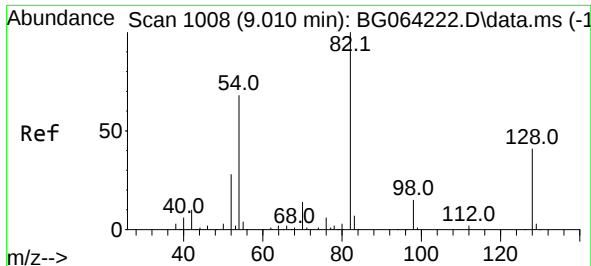
Tgt Ion: 99 Resp: 159400
Ion Ratio Lower Upper
99 100
42 31.7 25.8 38.8
71 52.5 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.621 min Scan# 1282
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion: 136 Resp: 95164
Ion Ratio Lower Upper
136 100
137 11.8 9.6 14.4
54 9.8 8.8 13.2
68 2.8 4.1 6.1#

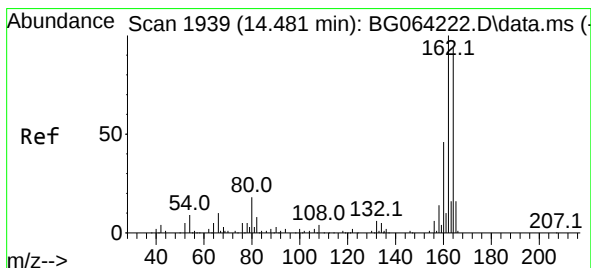
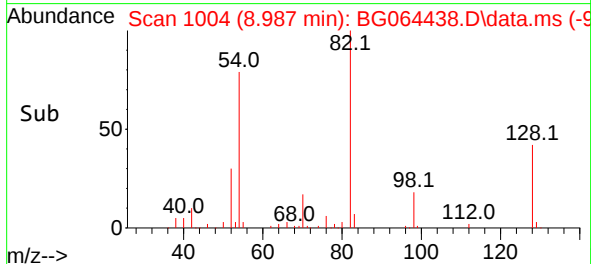
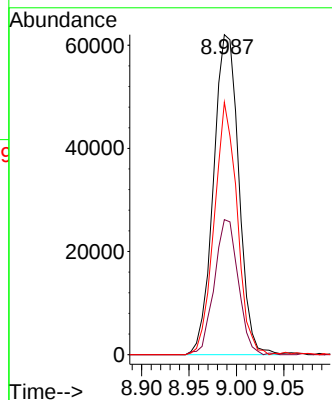
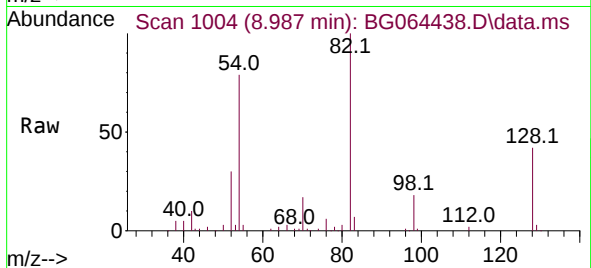




#23
Nitrobenzene-d5
Concen: 67.499 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

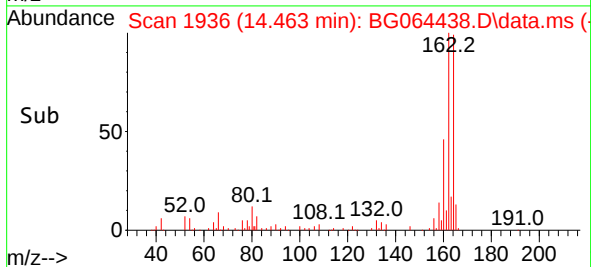
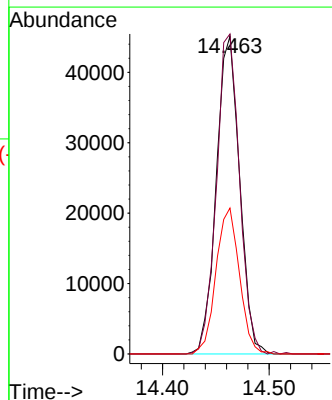
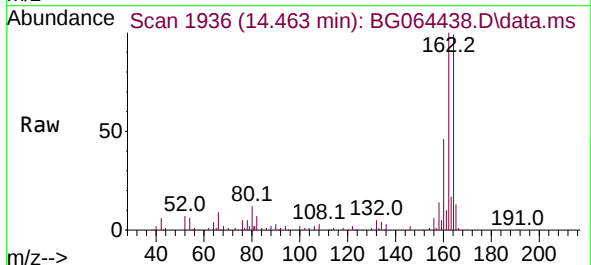
Instrument :
BNA_G
ClientSampleId :
COMP-2

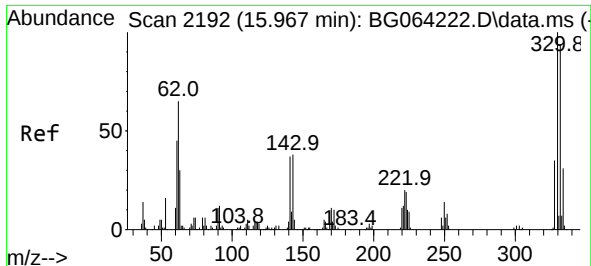
Tgt Ion: 82 Resp: 115178
Ion Ratio Lower Upper
82 100
128 42.2 32.6 48.8
54 78.9 54.7 82.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.018 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

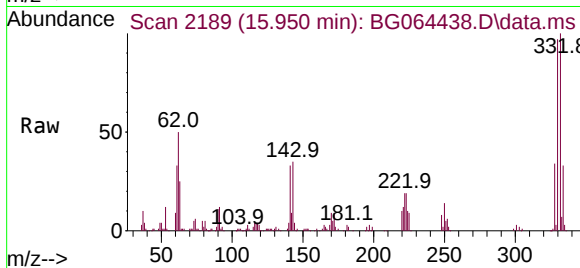
Tgt Ion: 164 Resp: 68543
Ion Ratio Lower Upper
164 100
162 100.8 85.4 128.0
160 45.9 39.2 58.8



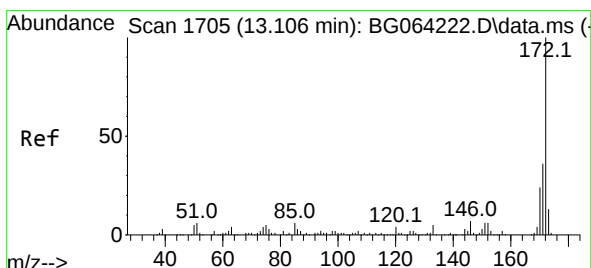
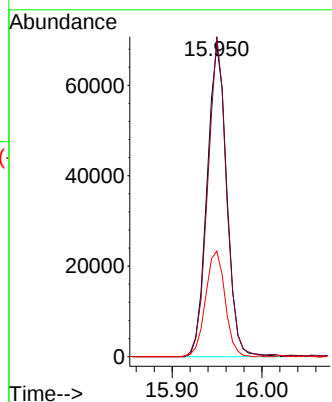
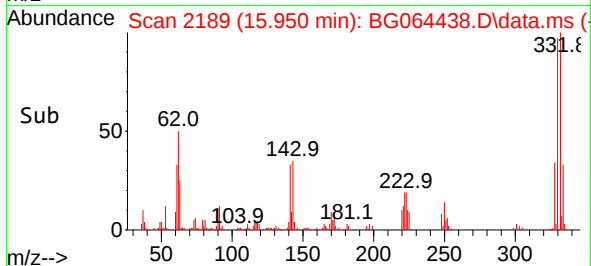


#42
2,4,6-Tribromophenol
Concen: 115.397 ng
RT: 15.950 min Scan# 2192
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

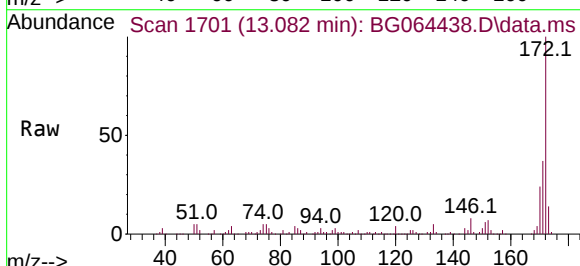
Instrument :
BNA_G
ClientSampleId :
COMP-2



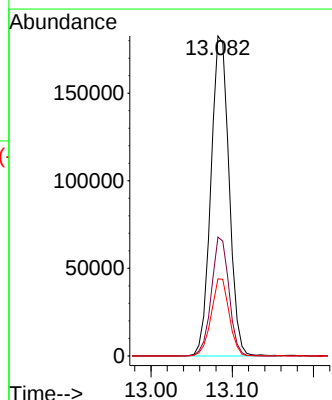
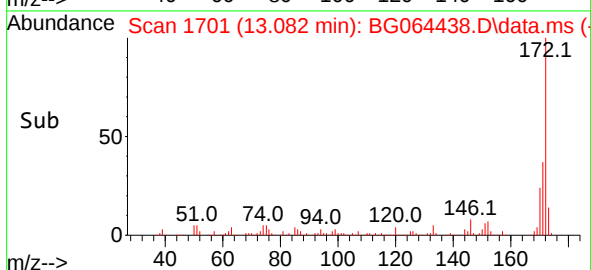
Tgt Ion:330 Resp: 104767
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 33.7 29.8 44.6

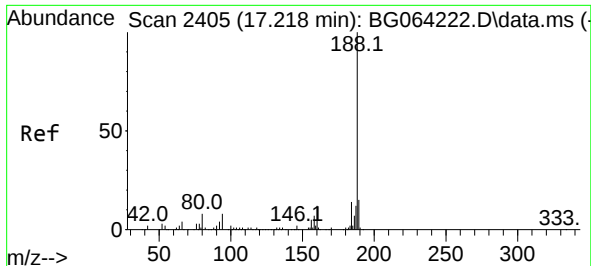


#45
2-Fluorobiphenyl
Concen: 63.079 ng
RT: 13.082 min Scan# 1701
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59



Tgt Ion:172 Resp: 283264
Ion Ratio Lower Upper
172 100
171 37.1 28.7 43.1
170 24.1 19.0 28.6

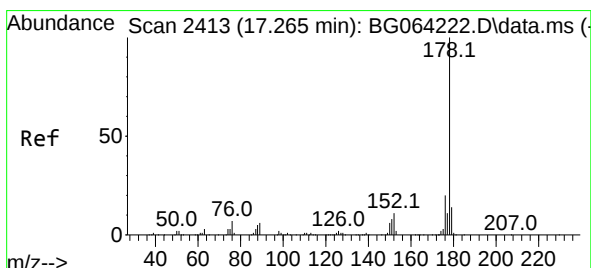
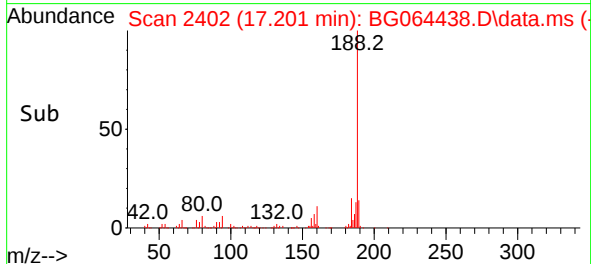
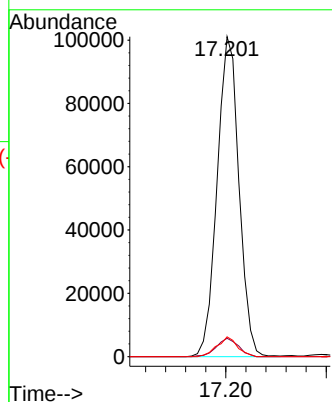
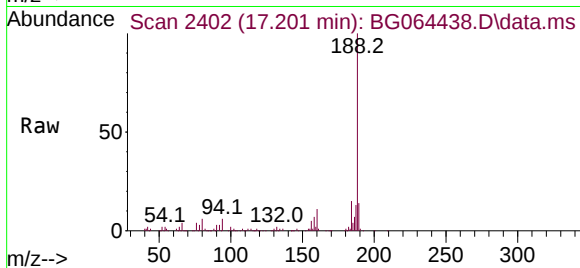




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2400
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

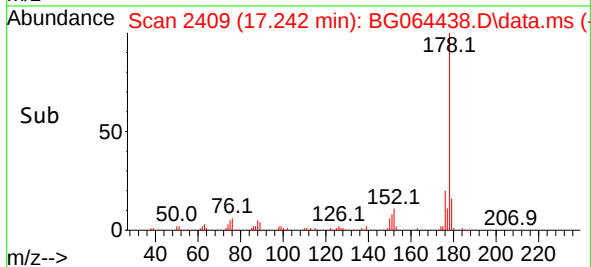
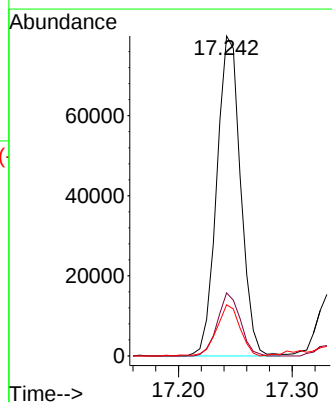
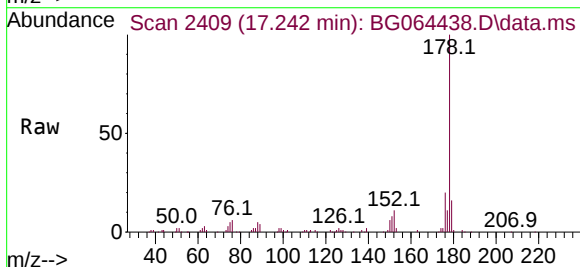
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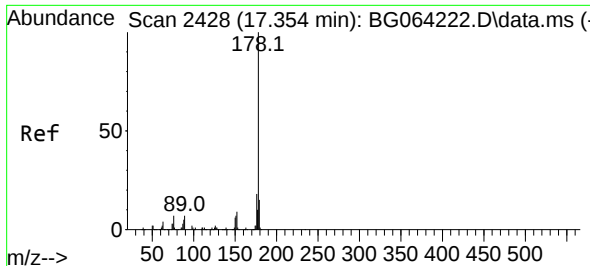
Tgt Ion:188 Resp: 152982
Ion Ratio Lower Upper
188 100
94 5.7 6.2 9.4#
80 6.2 6.8 10.2#



#71
Phenanthrene
Concen: 14.393 ng
RT: 17.242 min Scan# 2409
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:178 Resp: 116132
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.0 11.4 17.2

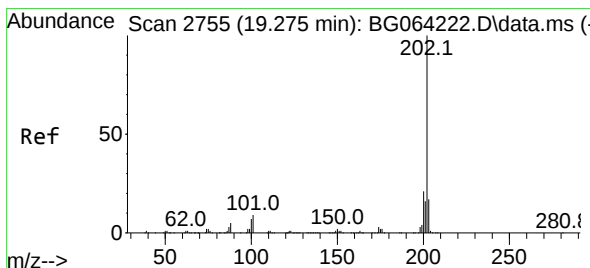
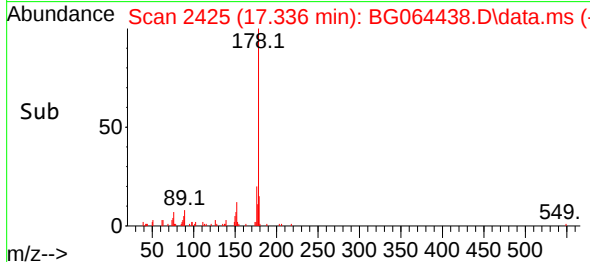
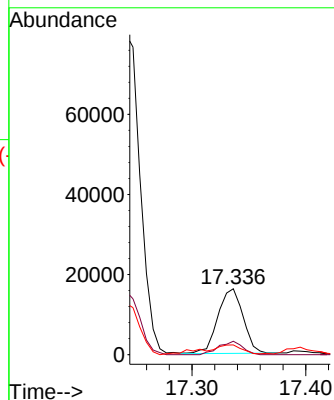
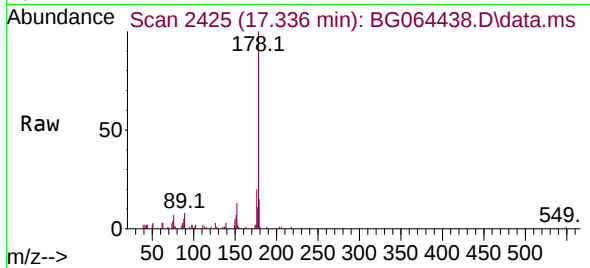




#72
 Anthracene
 Concen: 3.049 ng
 RT: 17.336 min Scan# 2428
 Delta R.T. -0.023 min
 Lab File: BG064438.D
 Acq: 23 Sep 2025 13:59

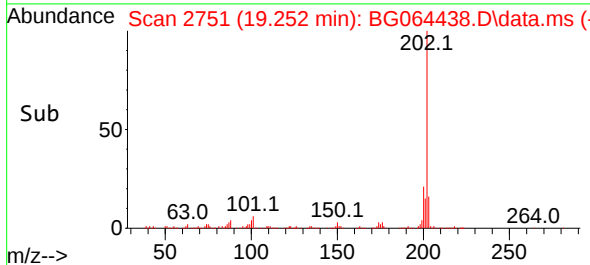
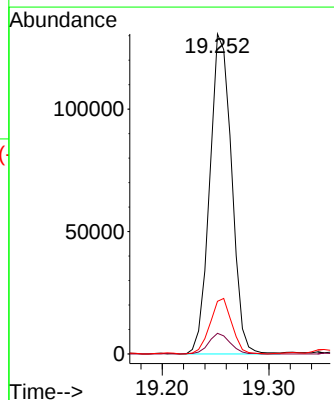
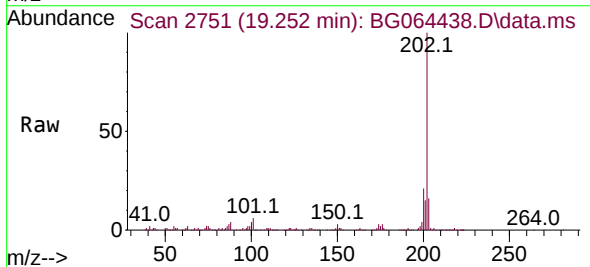
Instrument :
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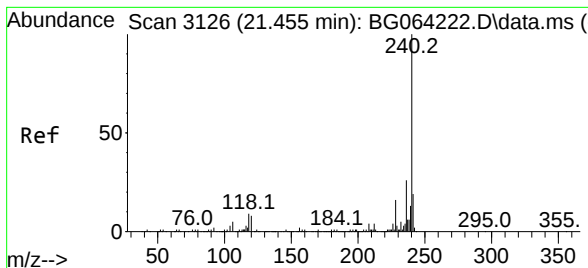
Tgt Ion:178 Resp: 25022
 Ion Ratio Lower Upper
 178 100
 176 20.4 14.7 22.1
 179 14.7 12.1 18.1



#75
 Fluoranthene
 Concen: 19.635 ng
 RT: 19.252 min Scan# 2751
 Delta R.T. -0.023 min
 Lab File: BG064438.D
 Acq: 23 Sep 2025 13:59

Tgt Ion:202 Resp: 186285
 Ion Ratio Lower Upper
 202 100
 101 6.4 0.0 28.7
 203 16.4 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.432 min Scan# 31

Delta R.T. -0.023 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_G

ClientSampleId :

COMP-2

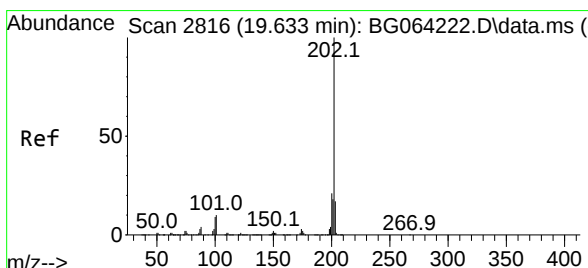
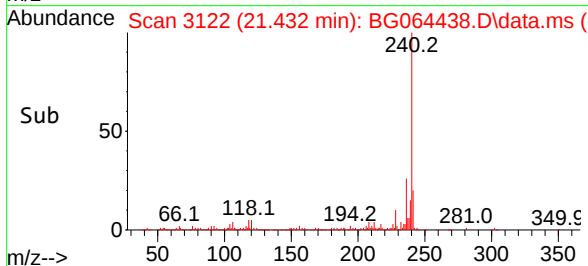
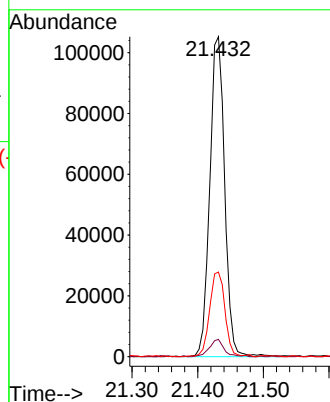
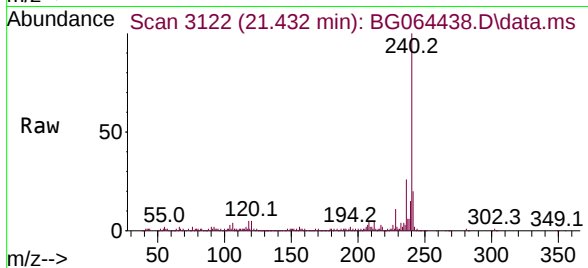
Tgt Ion:240 Resp: 165680

Ion Ratio Lower Upper

240 100

120 5.4 6.2 9.4#

236 26.4 20.5 30.7



#78

Pyrene

Concen: 15.156 ng

RT: 19.616 min Scan# 2813

Delta R.T. -0.023 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

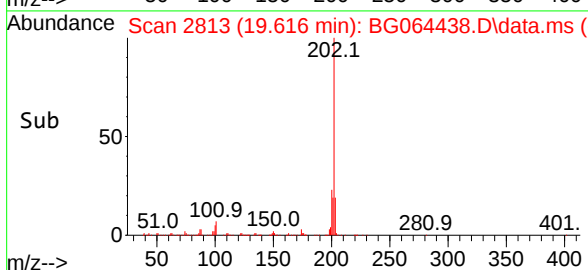
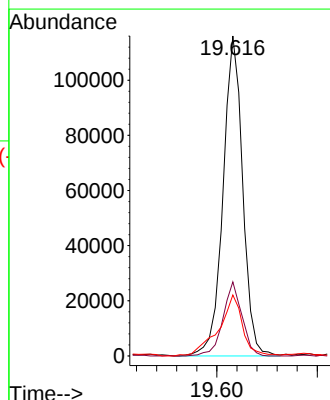
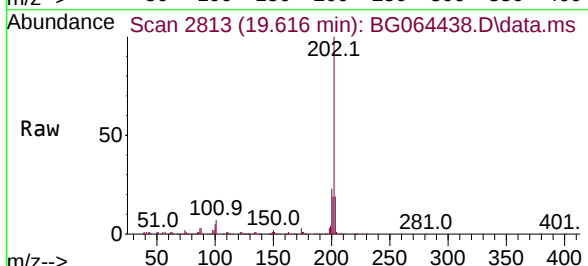
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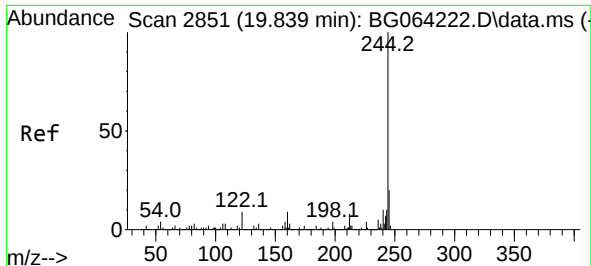
Ion Ratio Lower Upper

202 100

200 23.1 16.9 25.3

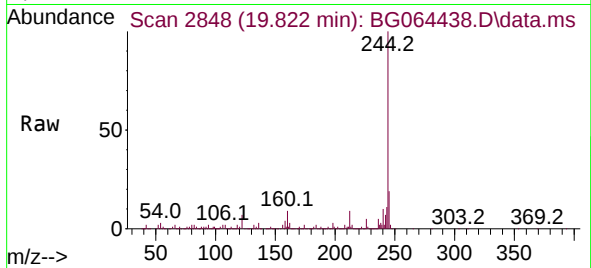
203 19.0 13.8 20.8



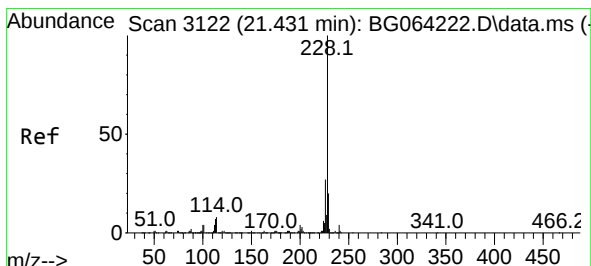
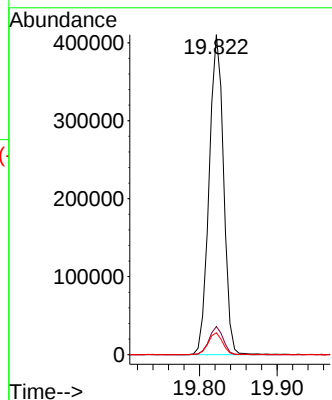
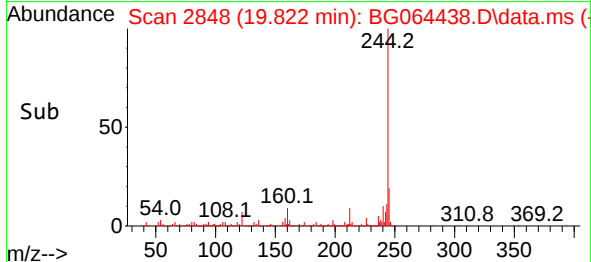


#79
 Terphenyl-d14
 Concen: 66.730 ng
 RT: 19.822 min Scan# 2848
 Delta R.T. -0.023 min
 Lab File: BG064438.D
 Acq: 23 Sep 2025 13:59

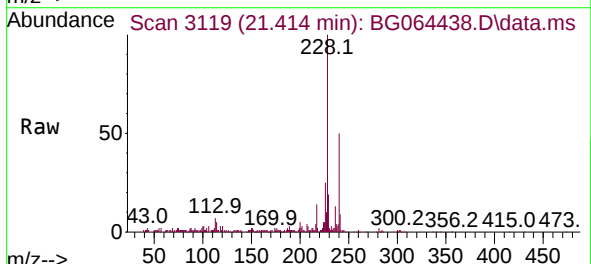
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2



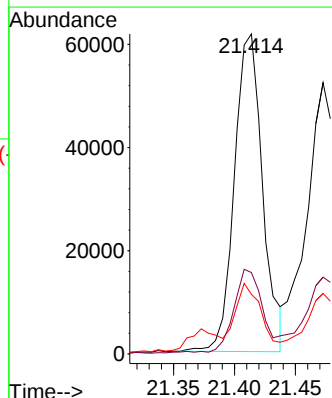
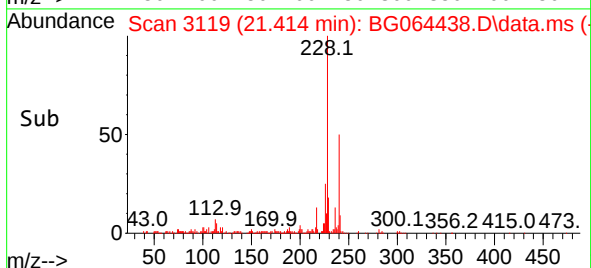
Tgt Ion:244 Resp: 529910
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.6 10.0
 122 6.8 7.0 10.6#

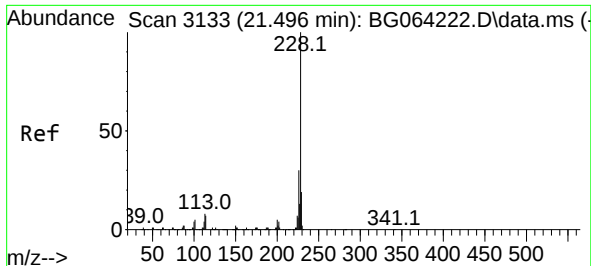


#81
 Benzo(a)anthracene
 Concen: 9.341 ng
 RT: 21.414 min Scan# 3119
 Delta R.T. -0.023 min
 Lab File: BG064438.D
 Acq: 23 Sep 2025 13:59



Tgt Ion:228 Resp: 99007
 Ion Ratio Lower Upper
 228 100
 226 25.4 21.7 32.5
 229 18.6 15.9 23.9





#83

Chrysene

Concen: 8.889 ng

RT: 21.473 min Scan# 31

Delta R.T. -0.029 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_G

ClientSampleId :

COMP-2

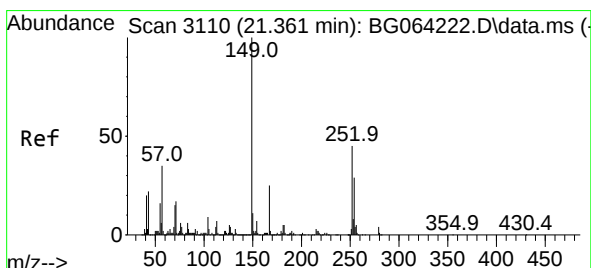
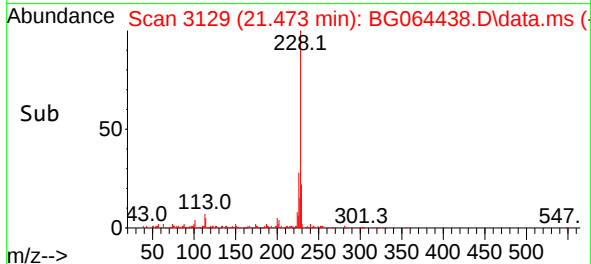
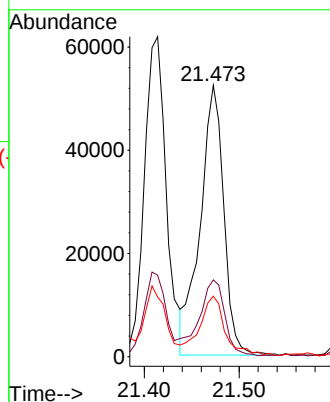
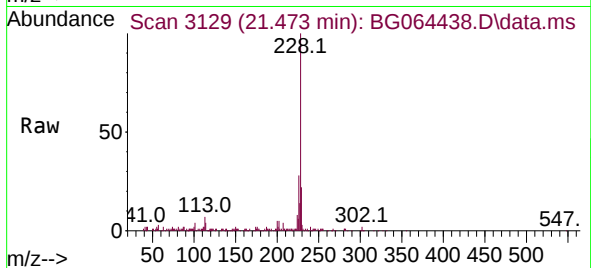
Tgt Ion:228 Resp: 90450

Ion Ratio Lower Upper

228 100

226 28.3 24.2 36.2

229 22.3 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.088 ng

RT: 21.337 min Scan# 3106

Delta R.T. -0.029 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

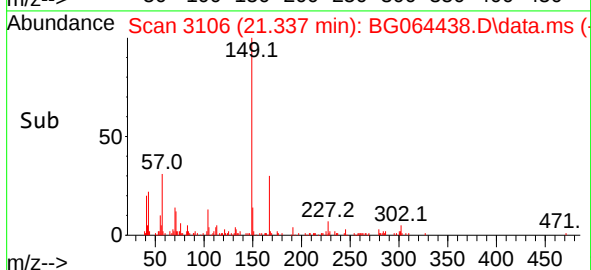
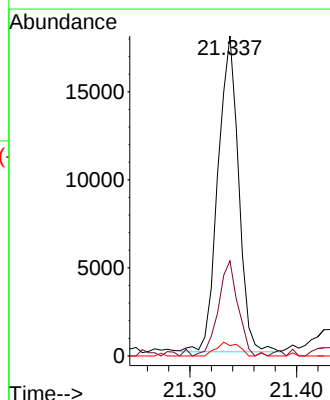
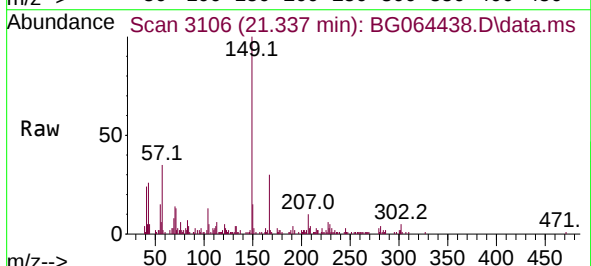
Tgt Ion:149 Resp: 24165

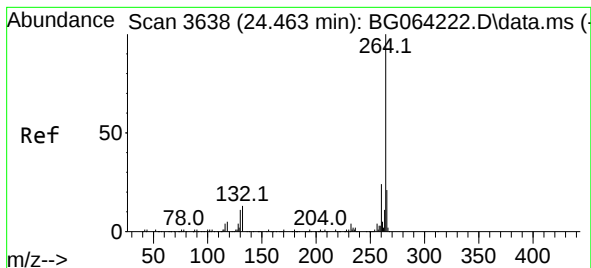
Ion Ratio Lower Upper

149 100

167 29.7 20.0 30.0

279 3.2 3.0 4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.422 min Scan# 30

Delta R.T. -0.041 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_G

ClientSampleId :

COMP-2

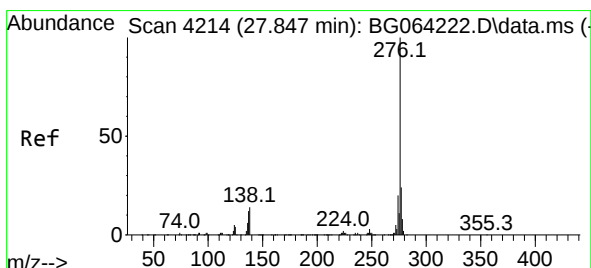
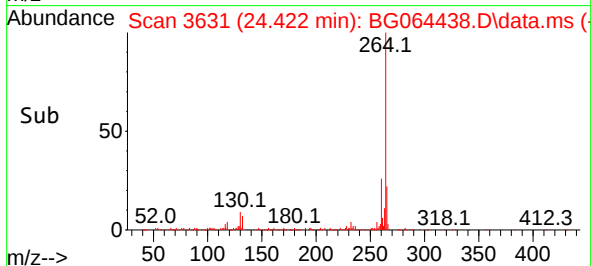
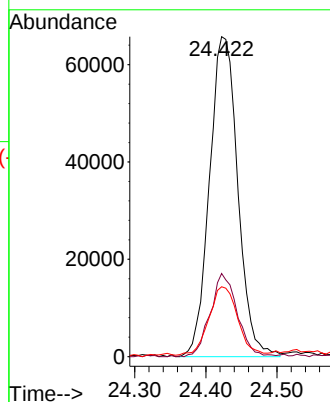
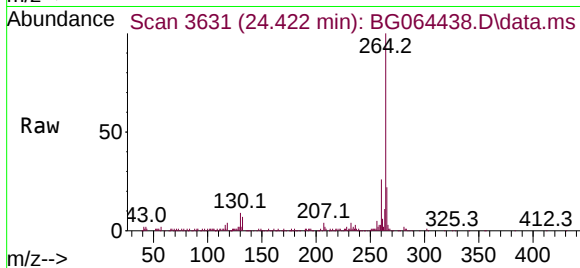
Tgt Ion:264 Resp: 182154

Ion Ratio Lower Upper

264 100

260 26.0 18.9 28.3

265 21.8 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.568 ng

RT: 27.795 min Scan# 4205

Delta R.T. -0.076 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

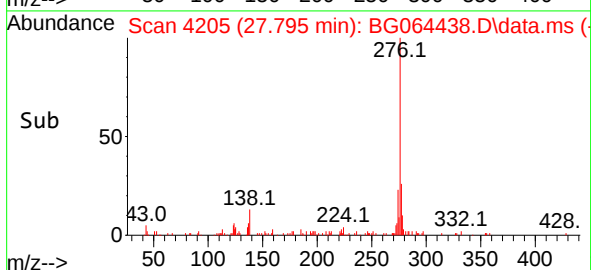
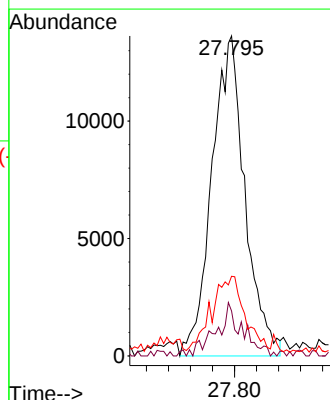
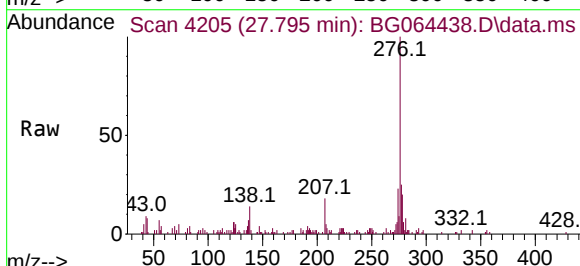
Tgt Ion:276 Resp: 56820

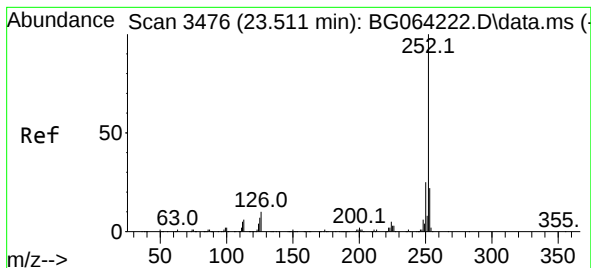
Ion Ratio Lower Upper

276 100

138 6.4 7.4 11.0#

277 24.8 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 10.759 ng

RT: 23.476 min Scan# 3476

Delta R.T. -0.041 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_G

ClientSampleId :

COMP-2

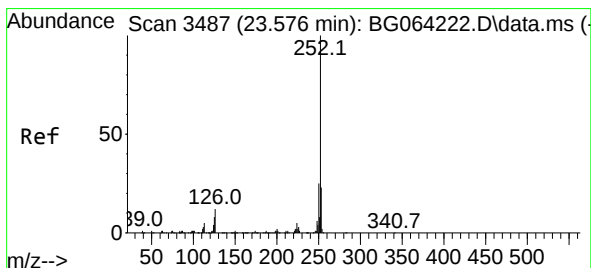
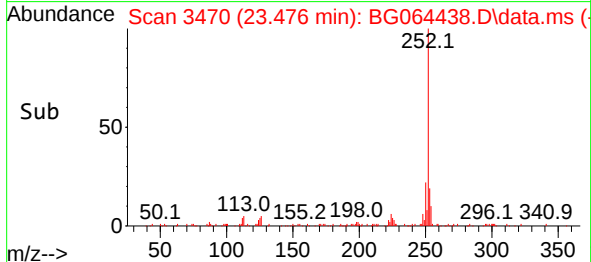
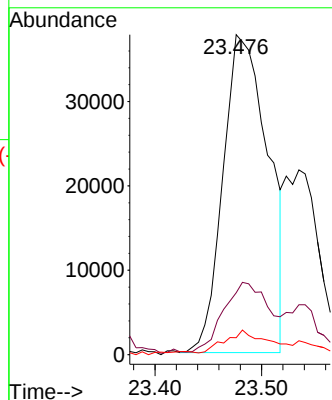
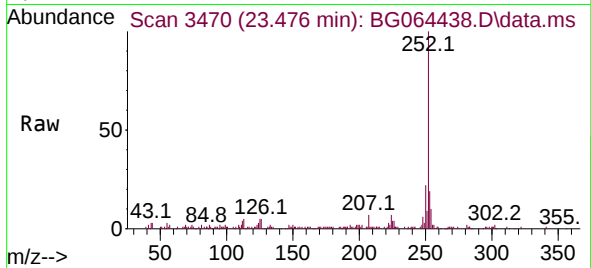
Tgt Ion:252 Resp: 110608

Ion Ratio Lower Upper

252 100

253 19.3 17.5 26.3

125 5.3 5.9 8.9#



#89

Benzo(k)fluoranthene

Concen: 4.608 ng m

RT: 23.535 min Scan# 3480

Delta R.T. -0.053 min

Lab File: BG064438.D

Acq: 23 Sep 2025 13:59

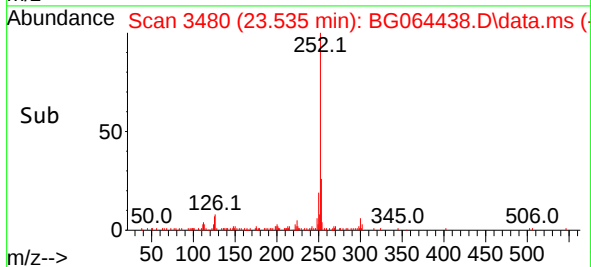
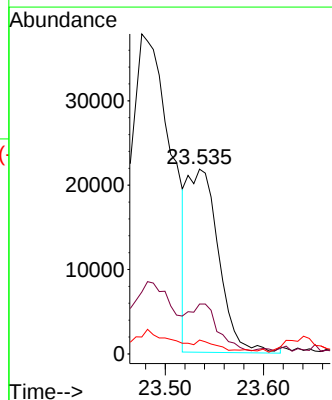
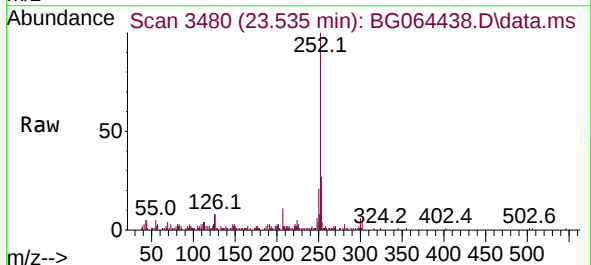
Tgt Ion:252 Resp: 48261

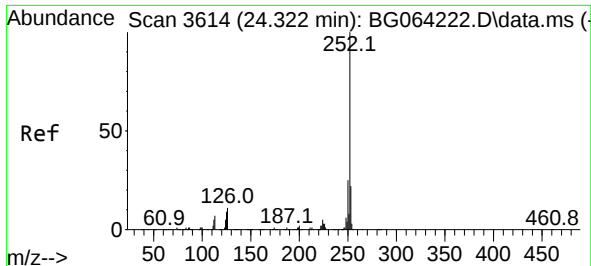
Ion Ratio Lower Upper

252 100

253 26.9 18.2 27.4

125 7.5 7.0 10.4

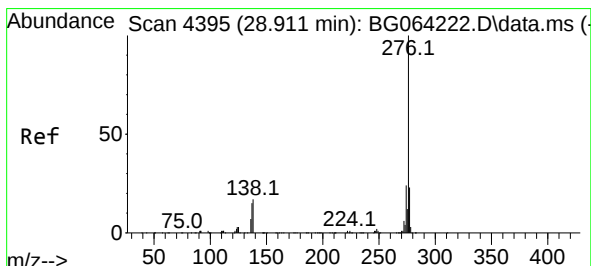
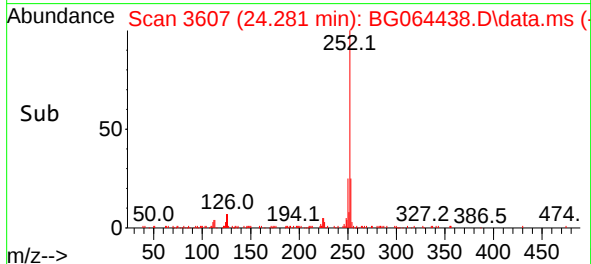
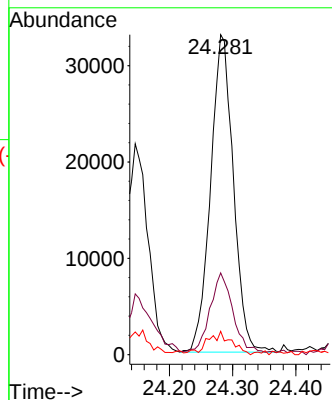
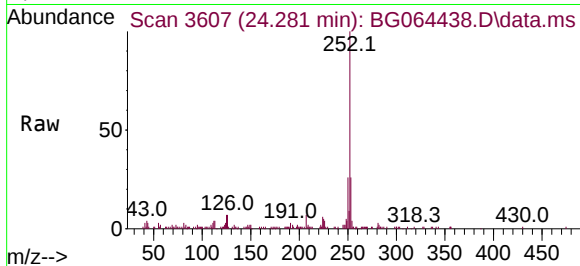




#90
Benzo(a)pyrene
Concen: 8.637 ng
RT: 24.281 min Scan# 30
Delta R.T. -0.047 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 82598
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.2
125 7.3 7.0 10.6



#92
Benzo(g,h,i)perylene
Concen: 5.498 ng
RT: 28.840 min Scan# 4383
Delta R.T. -0.094 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:276 Resp: 53436
Ion Ratio Lower Upper
276 100
277 23.7 18.2 27.4
138 12.0 13.3 19.9#

