

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064243.D
 Acq On : 2 Sep 2025 13:22
 Operator : RC/JU
 Sample : Q2982-05 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MOO-25-0249-0253

Quant Time: Sep 02 13:58:38 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)

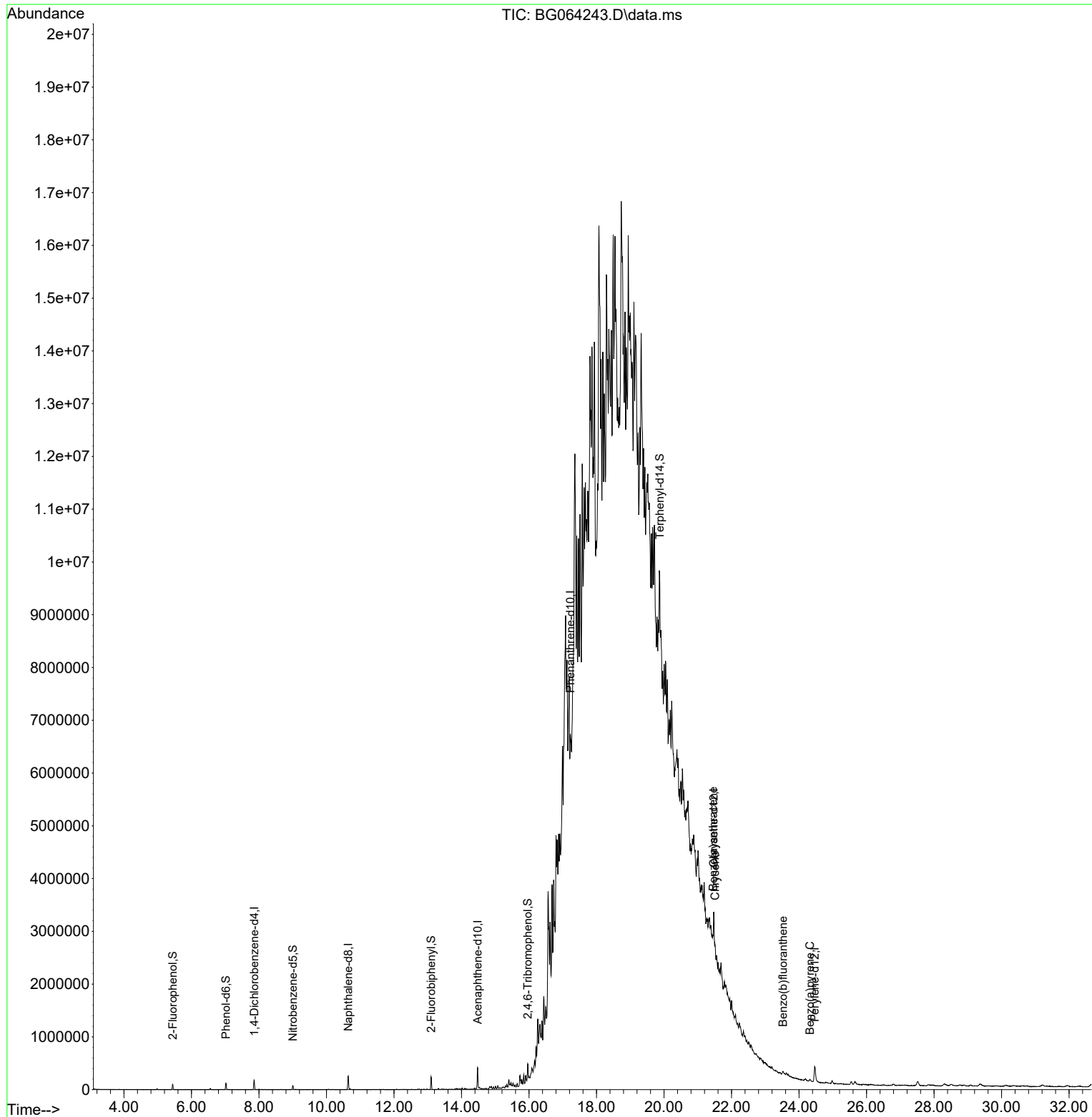
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	45307	20.000	ng	0.00
21) Naphthalene-d8	10.644	136	200096	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	132985	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	235092	20.000	ng	# 0.00
76) Chrysene-d12	21.473	240	240579	20.000	ng	# 0.02
86) Perylene-d12	24.463	264	296022	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	42431	16.802	ng	0.00
7) Phenol-d6	7.019	99	60883	17.549	ng	-0.01
23) Nitrobenzene-d5	9.005	82	42502	11.846	ng	-0.01
42) 2,4,6-Tribromophenol	15.962	330	29224	16.591	ng	-0.01
45) 2-Fluorobiphenyl	13.100	172	116241	13.342	ng	-0.01
79) Terphenyl-d14	19.875	244	152346	13.212	ng	0.03
Target Compounds						
						Qvalue
81) Benzo(a)anthracene	21.455	228	44594	2.897	ng	# 91
83) Chrysene	21.514	228	53785	3.640	ng	# 87
88) Benzo(b)fluoranthene	23.523	252	71769	4.296	ng	# 86
90) Benzo(a)pyrene	24.328	252	41685	2.682	ng	# 93

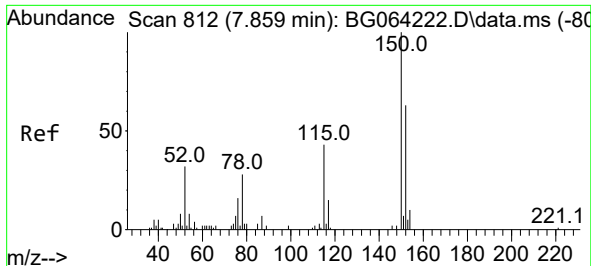
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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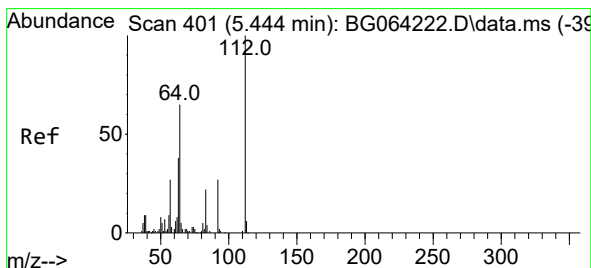
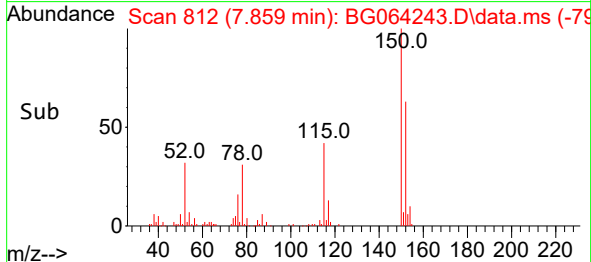
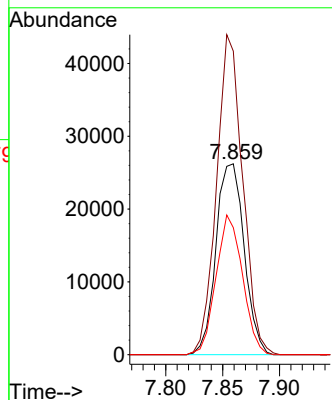
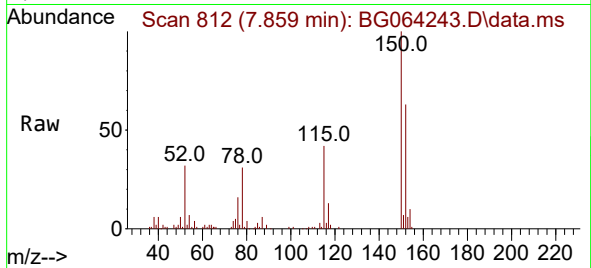




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.859 min Scan# 812
Delta R.T. 0.000 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

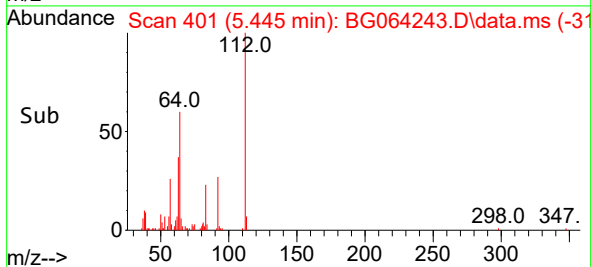
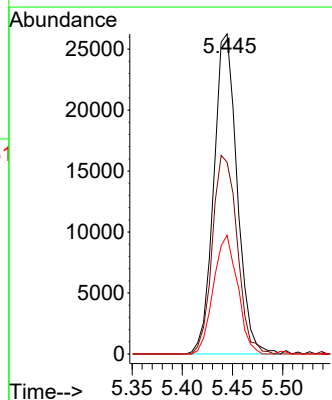
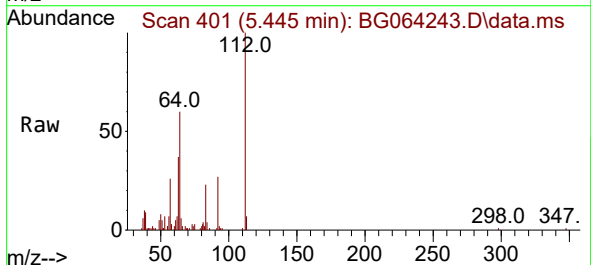
Instrument :
BNA_G
ClientSampleId :
MOO-25-0249-0253

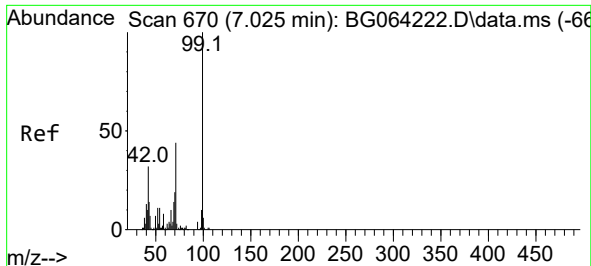
Tgt Ion:152 Resp: 45307
Ion Ratio Lower Upper
152 100
150 159.0 128.0 192.0
115 66.6 55.7 83.5



#5
2-Fluorophenol
Concen: 16.802 ng
RT: 5.445 min Scan# 401
Delta R.T. 0.000 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

Tgt Ion:112 Resp: 42431
Ion Ratio Lower Upper
112 100
64 60.0 51.8 77.6
63 37.1 30.6 45.8

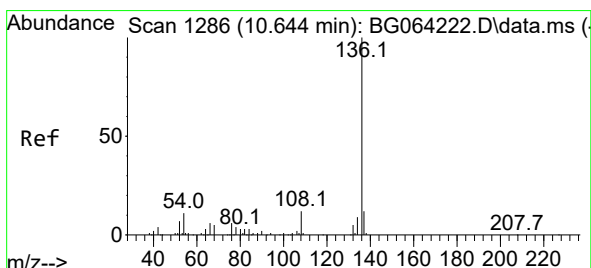
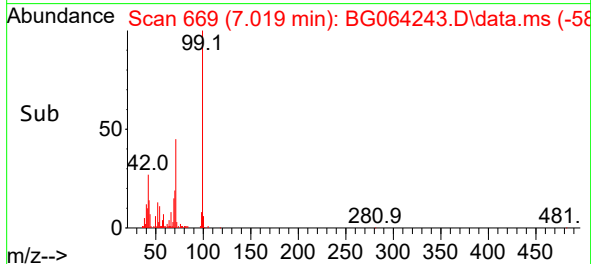
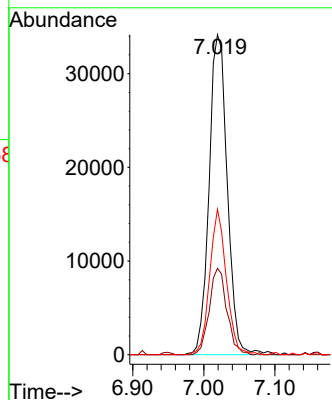
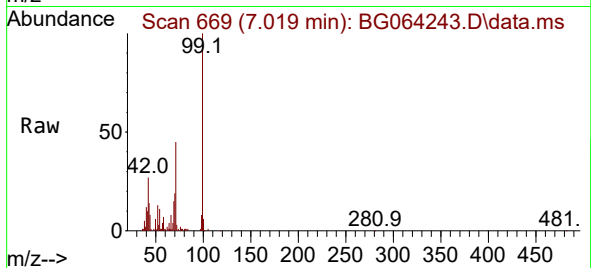




#7
Phenol-d6
Concen: 17.549 ng
RT: 7.019 min Scan# 608
Delta R.T. -0.011 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

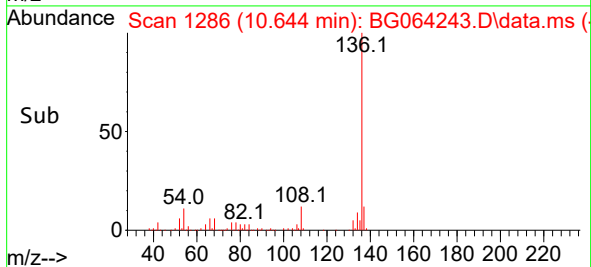
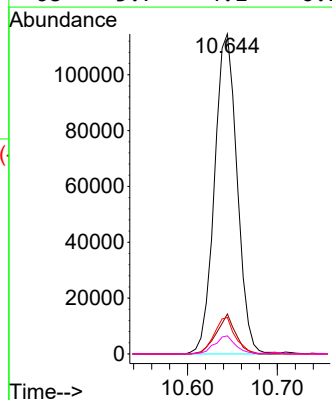
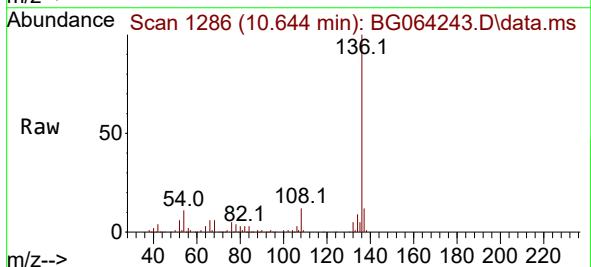
Instrument :
BNA_G
ClientSampleId :
MOO-25-0249-0253

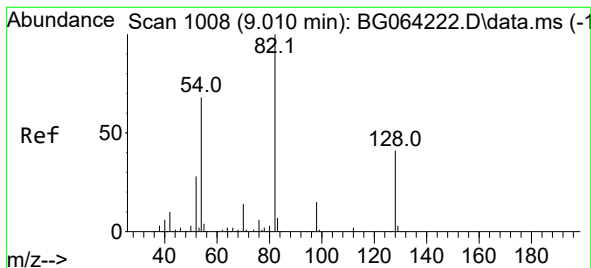
Tgt Ion: 99 Resp: 60883
Ion Ratio Lower Upper
99 100
42 27.0 25.8 38.8
71 45.4 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.644 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

Tgt Ion:136 Resp: 200096
Ion Ratio Lower Upper
136 100
137 12.5 9.6 14.4
54 11.4 8.8 13.2
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 11.846 ng

RT: 9.005 min Scan# 1007

Delta R.T. -0.011 min

Lab File: BG064243.D

Acq: 2 Sep 2025 13:22

Instrument :

BNA_G

ClientSampleId :

MOO-25-0249-0253

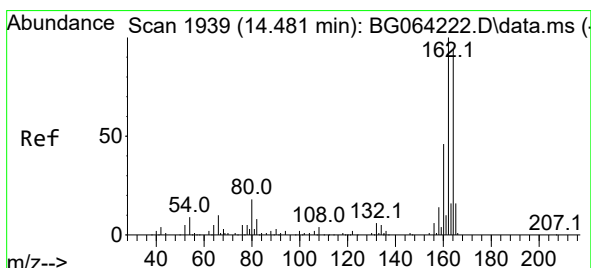
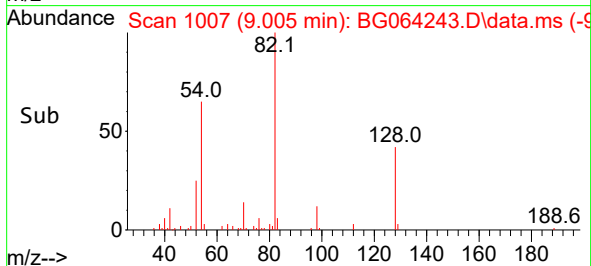
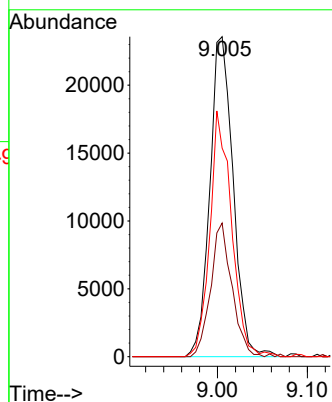
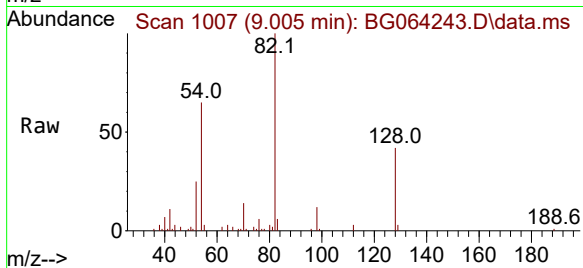
Tgt Ion: 82 Resp: 42502

Ion Ratio Lower Upper

82 100

128 41.8 32.6 48.8

54 65.2 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.481 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BG064243.D

Acq: 2 Sep 2025 13:22

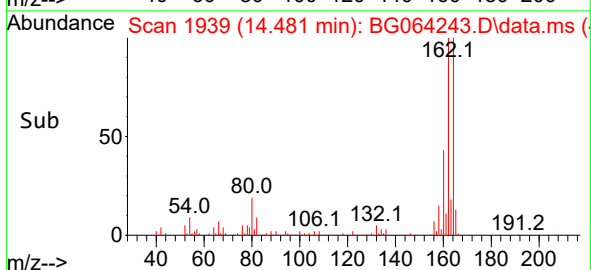
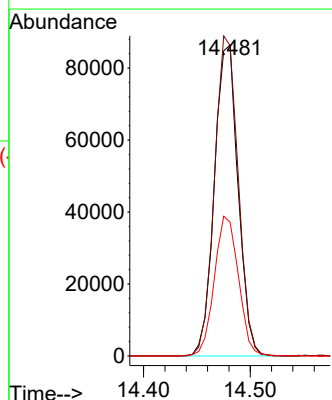
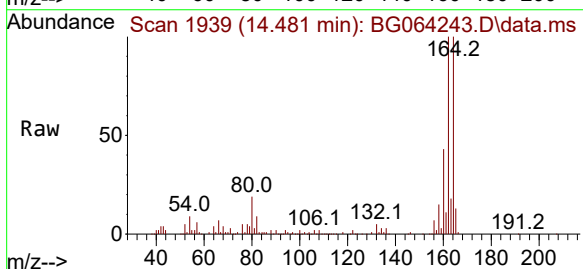
Tgt Ion:164 Resp: 132985

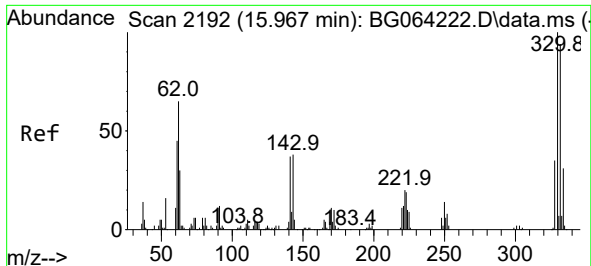
Ion Ratio Lower Upper

164 100

162 99.8 85.4 128.0

160 43.0 39.2 58.8

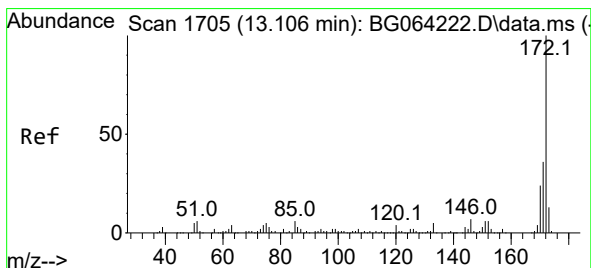
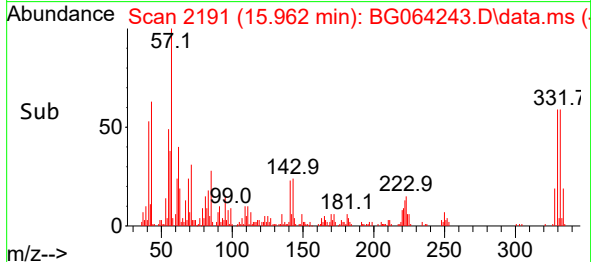
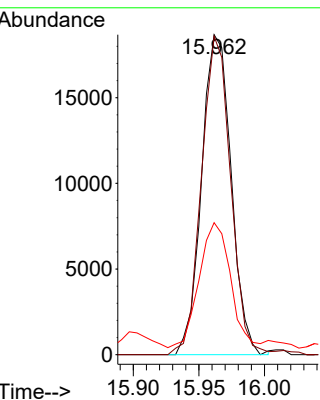
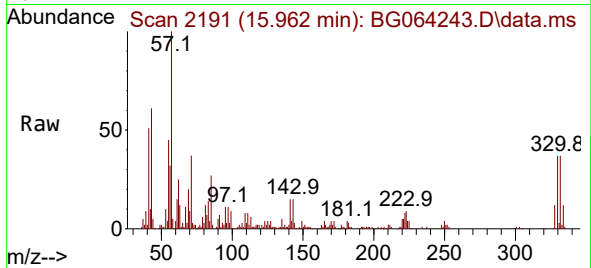




#42
2,4,6-Tribromophenol
Concen: 16.591 ng
RT: 15.962 min Scan# 2192
Delta R.T. -0.011 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

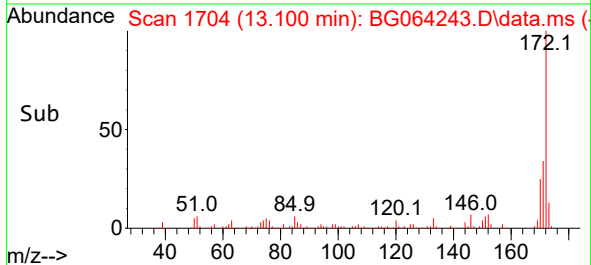
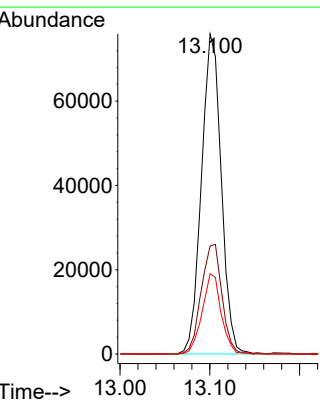
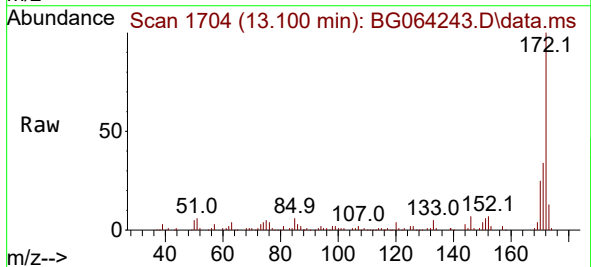
Instrument :
BNA_G
ClientSampleId :
MOO-25-0249-0253

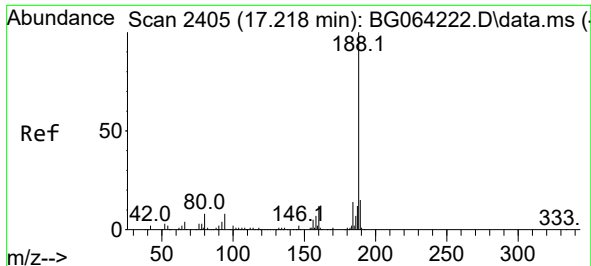
Tgt Ion:330 Resp: 29224
Ion Ratio Lower Upper
330 100
332 98.3 77.6 116.4
141 41.2 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 13.342 ng
RT: 13.100 min Scan# 1704
Delta R.T. -0.011 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

Tgt Ion:172 Resp: 116241
Ion Ratio Lower Upper
172 100
171 33.8 28.7 43.1
170 25.1 19.0 28.6

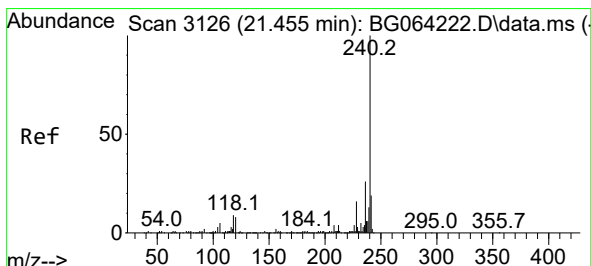
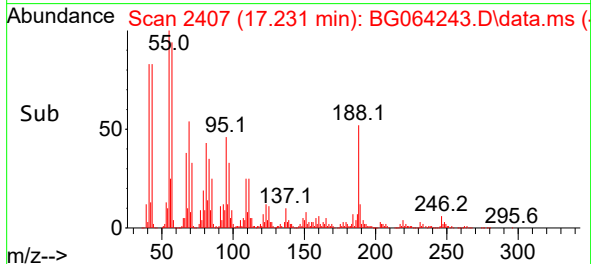
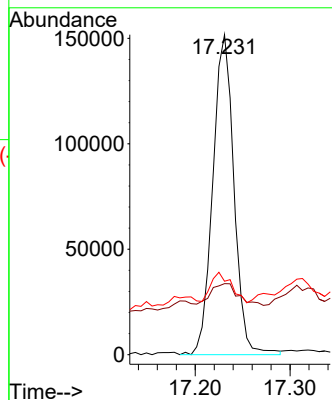
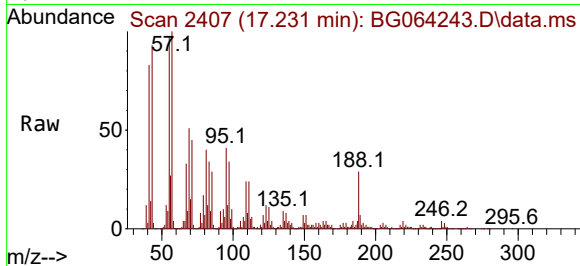




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

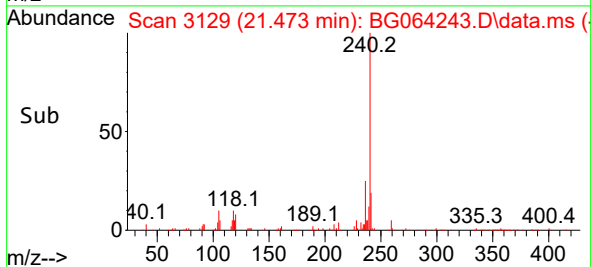
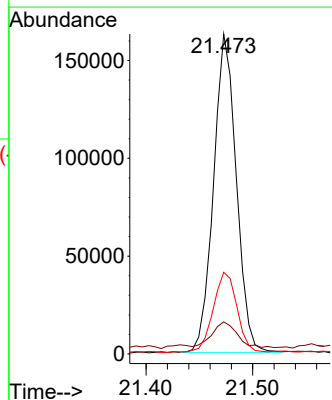
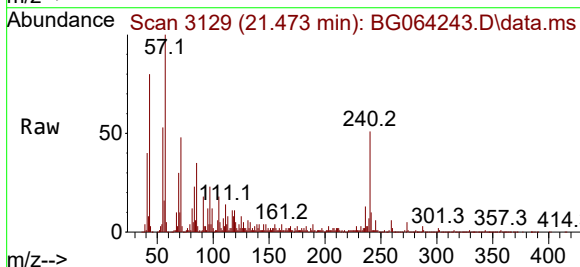
Instrument :
BNA_G
ClientSampleId :
MOO-25-0249-0253

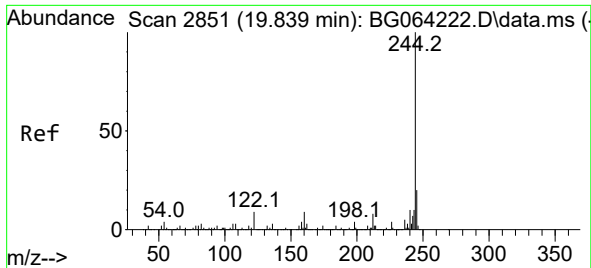
Tgt Ion:188 Resp: 235092
Ion Ratio Lower Upper
188 100
94 22.2 6.2 9.4#
80 22.9 6.8 10.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.473 min Scan# 3129
Delta R.T. 0.018 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

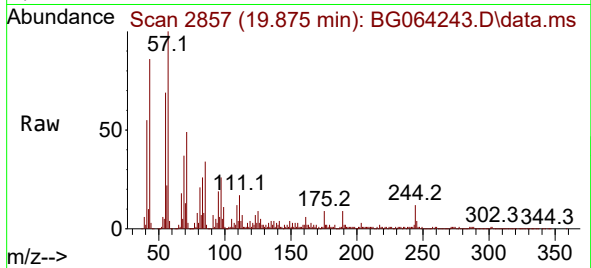
Tgt Ion:240 Resp: 240579
Ion Ratio Lower Upper
240 100
120 10.0 6.2 9.4#
236 25.5 20.5 30.7



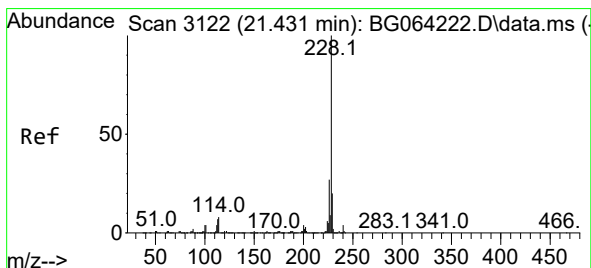
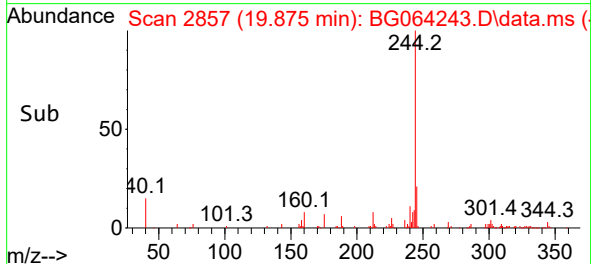
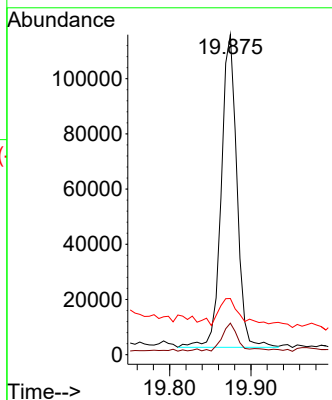


#79
Terphenyl-d14
Concen: 13.212 ng
RT: 19.875 min Scan# 21
Delta R.T. 0.030 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

Instrument :
BNA_G
ClientSampleId :
MOO-25-0249-0253

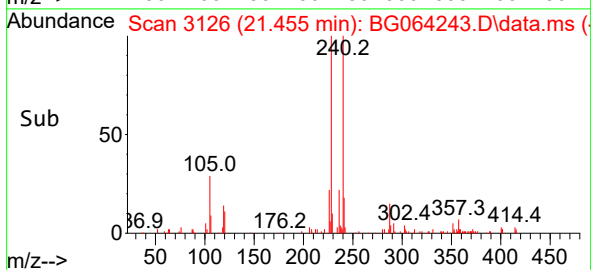
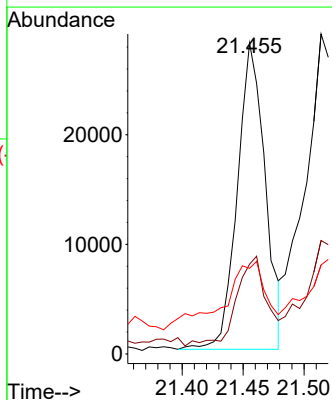
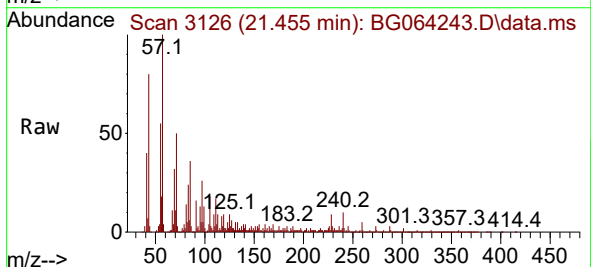


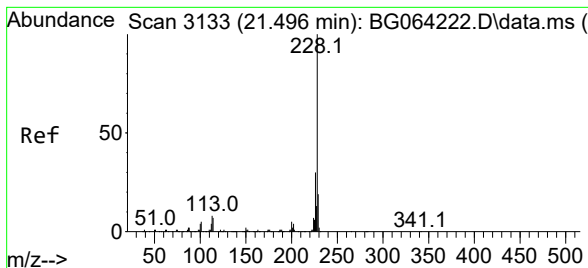
Tgt Ion:244 Resp: 152346
Ion Ratio Lower Upper
244 100
212 9.8 6.6 10.0
122 17.6 7.0 10.6#



#81
Benzo(a)anthracene
Concen: 2.897 ng
RT: 21.455 min Scan# 3126
Delta R.T. 0.018 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

Tgt Ion:228 Resp: 44594
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 27.5 15.9 23.9#





#83

Chrysene

Concen: 3.640 ng

RT: 21.514 min Scan# 3133

Delta R.T. 0.012 min

Lab File: BG064243.D

Acq: 2 Sep 2025 13:22

Instrument :

BNA_G

ClientSampleId :

MOO-25-0249-0253

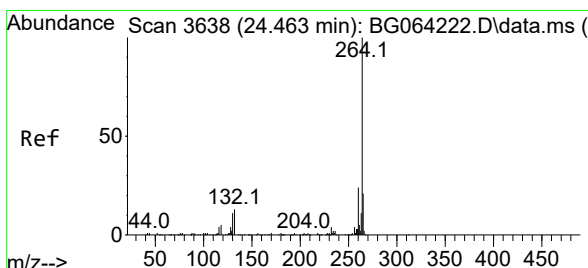
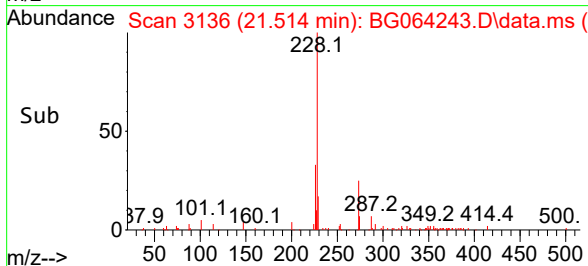
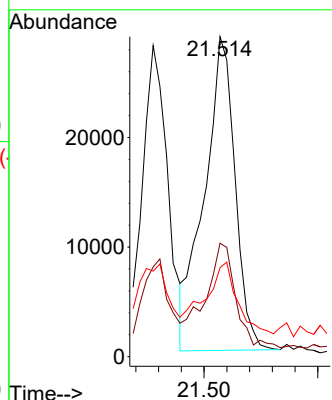
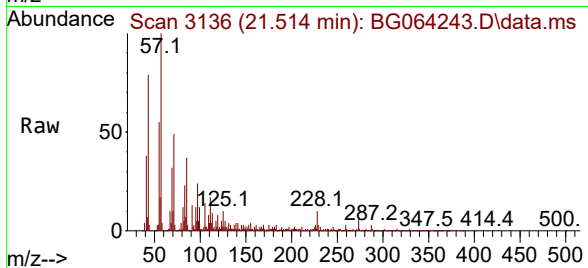
Tgt Ion:228 Resp: 53785

Ion Ratio Lower Upper

228 100

226 35.4 24.2 36.2

229 27.8 15.4 23.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.463 min Scan# 3638

Delta R.T. 0.000 min

Lab File: BG064243.D

Acq: 2 Sep 2025 13:22

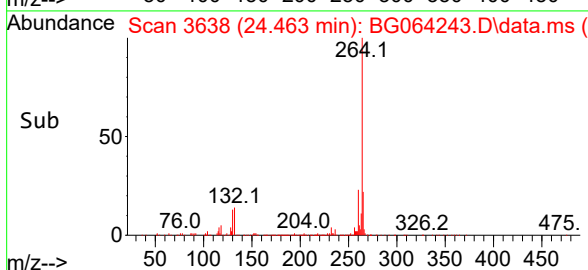
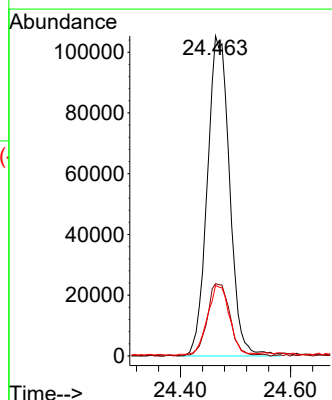
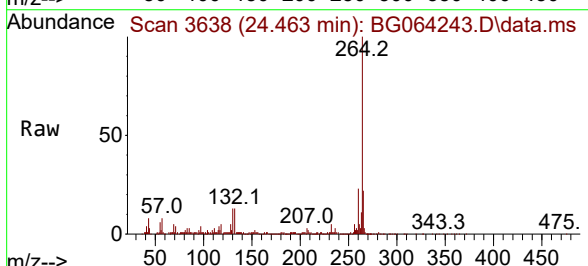
Tgt Ion:264 Resp: 296022

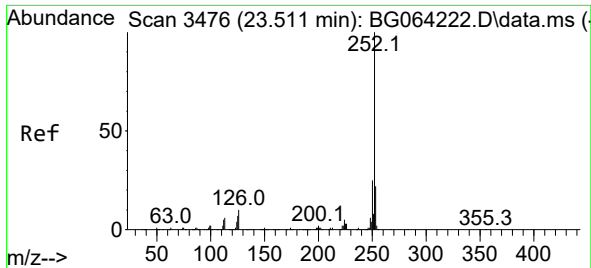
Ion Ratio Lower Upper

264 100

260 22.6 18.9 28.3

265 22.1 16.7 25.1

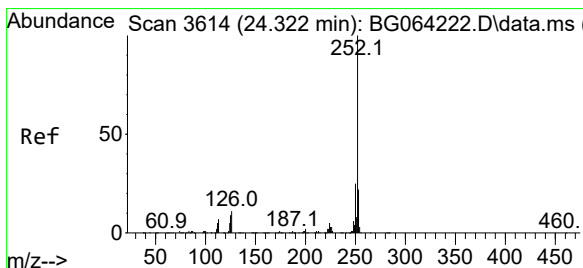
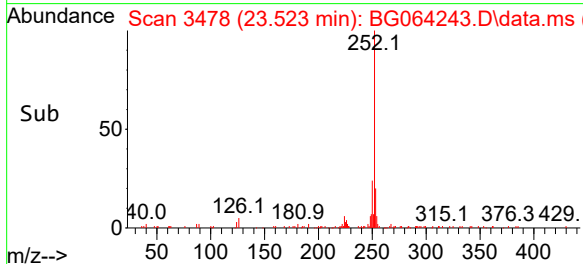
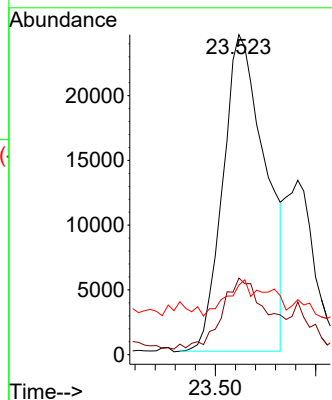
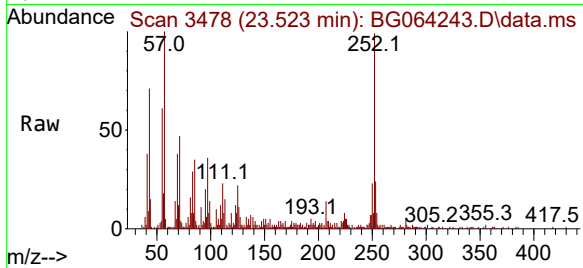




#88
Benzo(b)fluoranthene
Concen: 4.296 ng
RT: 23.523 min Scan# 3476
Delta R.T. 0.006 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

Instrument :
BNA_G
ClientSampleId :
MOO-25-0249-0253

Tgt Ion:252 Resp: 71769
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 21.7 5.9 8.9#



#90
Benzo(a)pyrene
Concen: 2.682 ng
RT: 24.328 min Scan# 3615
Delta R.T. 0.000 min
Lab File: BG064243.D
Acq: 2 Sep 2025 13:22

Tgt Ion:252 Resp: 41685
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 15.8 7.0 10.6#

