

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
 Data File : BG064433.D
 Acq On : 23 Sep 2025 3:11
 Operator : RC/JU
 Sample : Q3145-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 23 03:53:59 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)

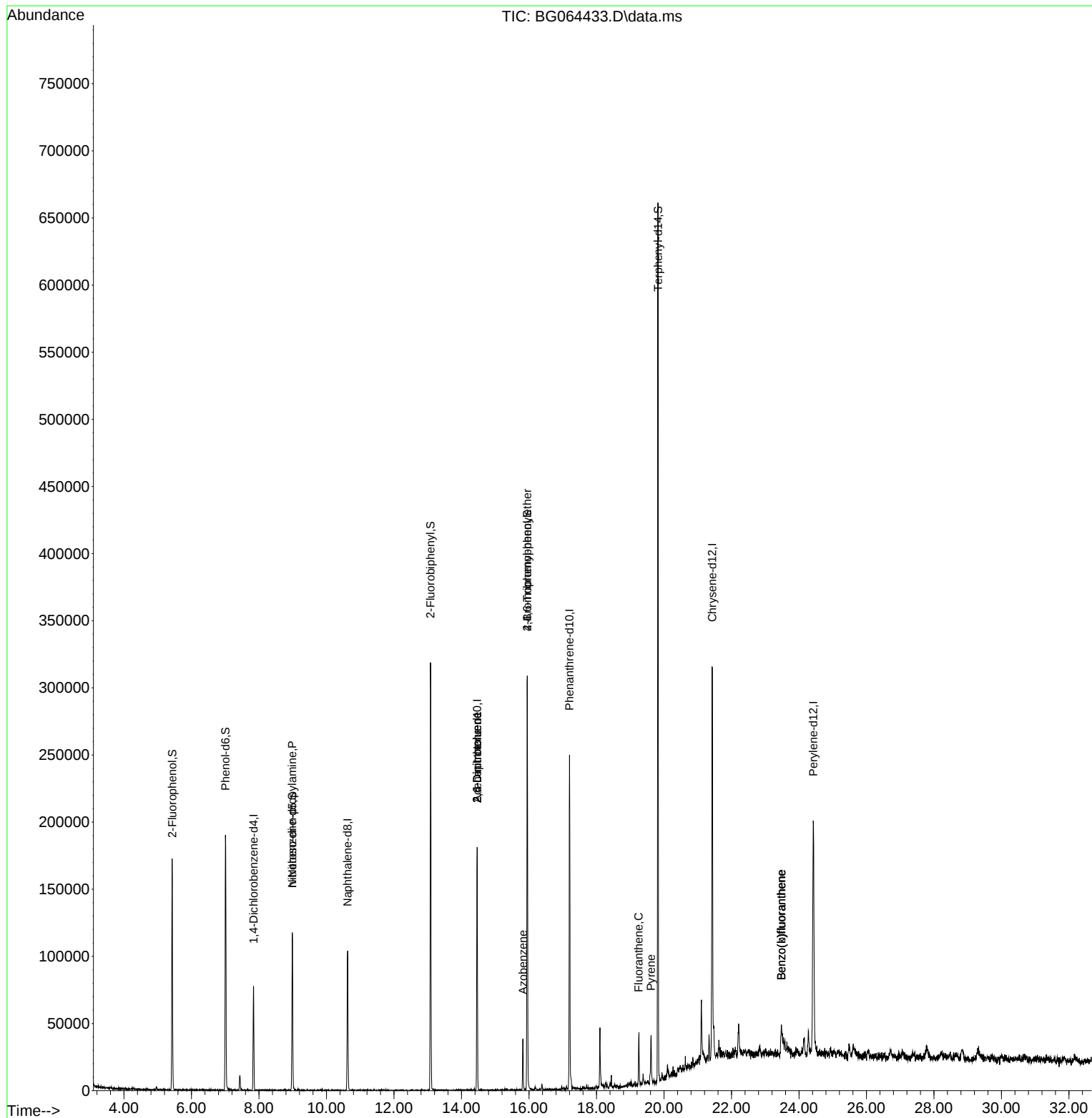
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	18811	20.000	ng	-0.02
21) Naphthalene-d8	10.627	136	83427	20.000	ng	#-0.02
39) Acenaphthene-d10	14.463	164	63602	20.000	ng	-0.02
64) Phenanthrene-d10	17.201	188	147057	20.000	ng	#-0.02
76) Chrysene-d12	21.426	240	163365	20.000	ng	#-0.03
86) Perylene-d12	24.422	264	178851	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	61615	58.765	ng	-0.01
7) Phenol-d6	7.007	99	87742	60.913	ng	-0.02
23) Nitrobenzene-d5	8.988	82	61357	41.017	ng	-0.03
42) 2,4,6-Tribromophenol	15.950	330	60304	71.583	ng	-0.02
45) 2-Fluorobiphenyl	13.083	172	155843	37.400	ng	-0.03
79) Terphenyl-d14	19.822	244	291547	37.234	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.988	70	9529	8.644	ng	# 69
51) 2,6-Dinitrotoluene	14.463	165	8482	9.101	ng	# 14
57) 2,4-Dinitrotoluene	14.463	165	8482	6.019	ng	# 17
63) Azobenzene	15.821	77	10973	2.390	ng	# 1
67) 4-Bromophenyl-phenylether	15.950	248	4123	2.640	ng	# 1
75) Fluoranthene	19.252	202	23481	2.575	ng	99
78) Pyrene	19.616	202	22432	2.180	ng	98
88) Benzo(b)fluoranthene	23.482	252	22410	2.220	ng	95
89) Benzo(k)fluoranthene	23.482	252	22410	2.179	ng	93

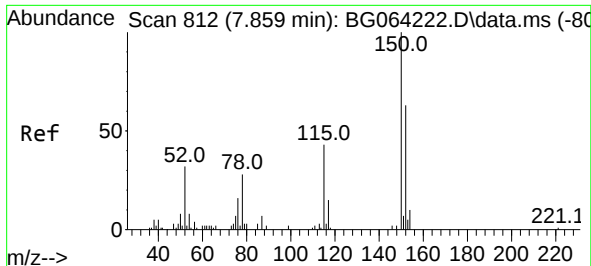
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
Data File : BG064433.D
Acq On : 23 Sep 2025 3:11
Operator : RC/JU
Sample : Q3145-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 23 03:53:59 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

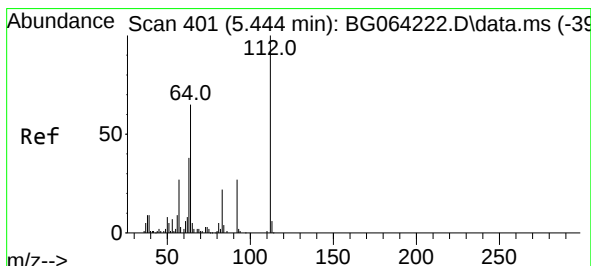
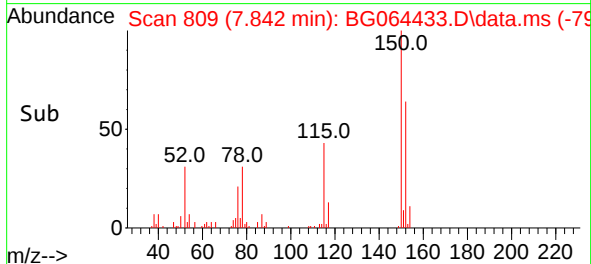
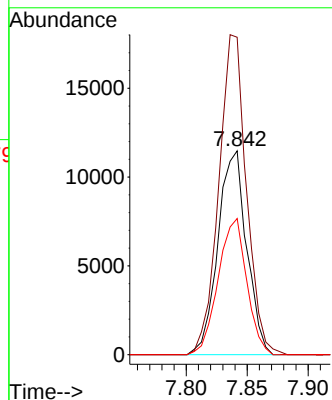
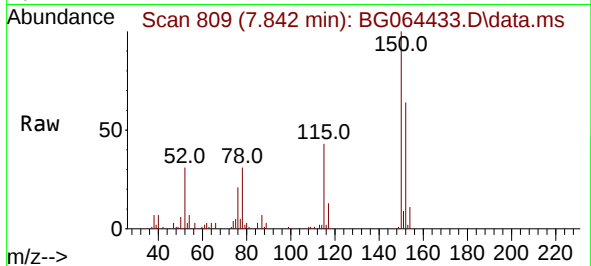




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.842 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

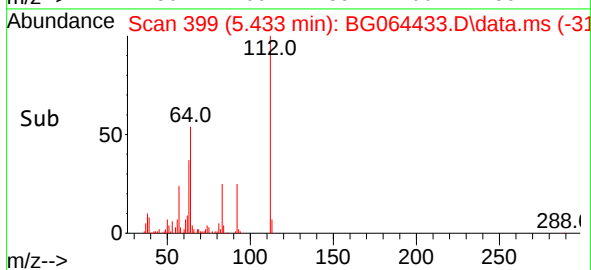
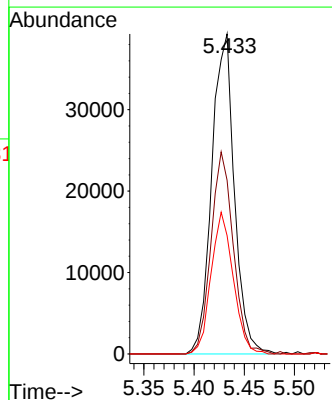
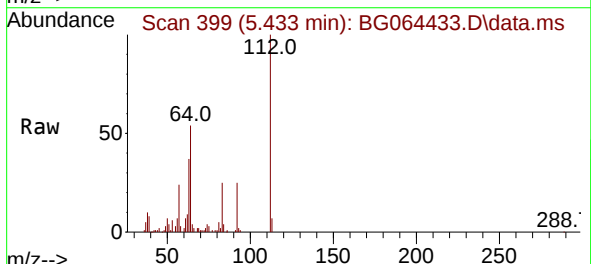
Instrument :
BNA_G
ClientSampleId :

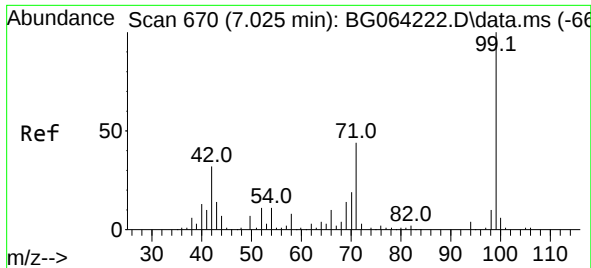
Tgt Ion:152 Resp: 18811
Ion Ratio Lower Upper
152 100
150 155.8 128.0 192.0
115 66.8 55.7 83.5



#5
2-Fluorophenol
Concen: 58.765 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.011 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

Tgt Ion:112 Resp: 61615
Ion Ratio Lower Upper
112 100
64 54.3 51.8 77.6
63 37.0 30.6 45.8

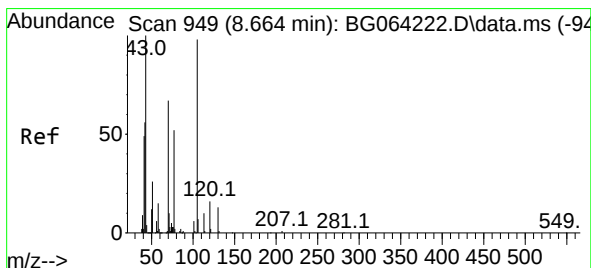
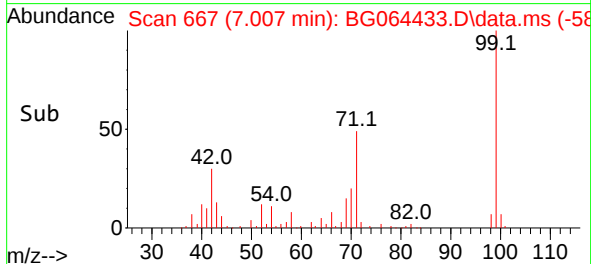
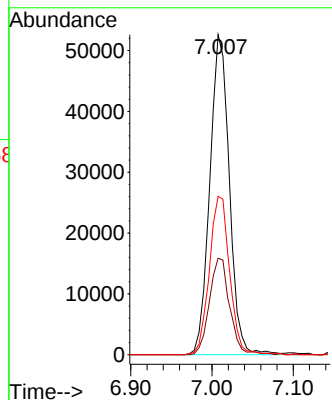
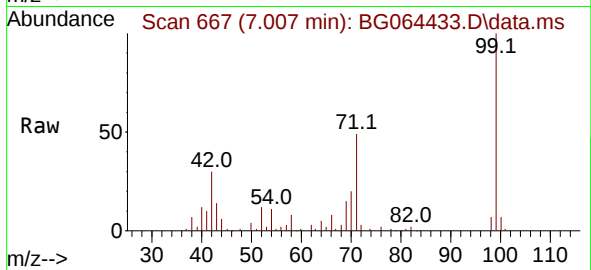




#7
Phenol-d6
Concen: 60.913 ng
RT: 7.007 min Scan# 60
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

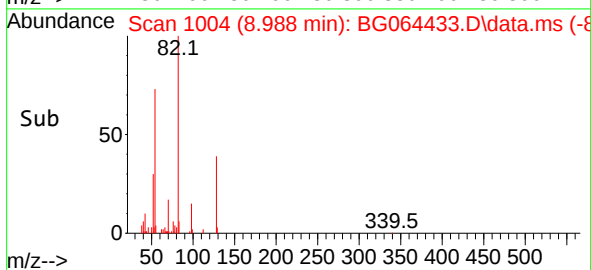
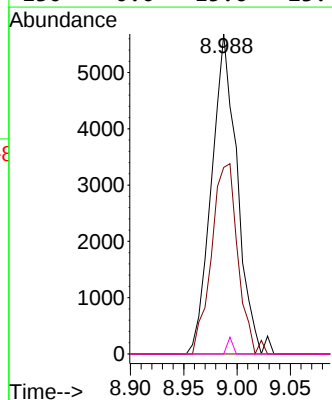
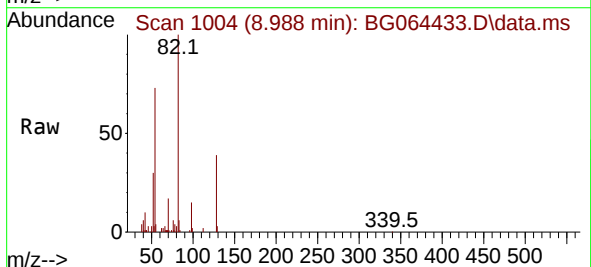
Instrument :
BNA_G
ClientSampleId :

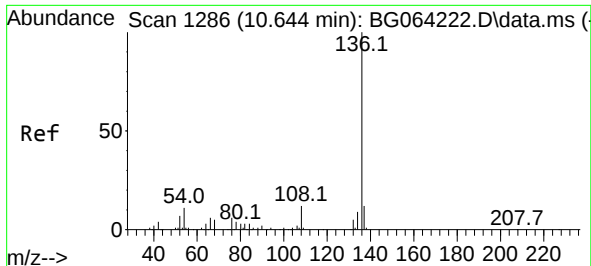
Tgt Ion: 99 Resp: 87742
Ion Ratio Lower Upper
99 100
42 30.1 25.8 38.8
71 49.5 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.644 ng
RT: 8.988 min Scan# 1004
Delta R.T. 0.323 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

Tgt Ion: 70 Resp: 9529
Ion Ratio Lower Upper
70 100
42 58.3 67.9 101.9#
101 0.0 7.3 10.9#
130 0.0 15.6 23.4#

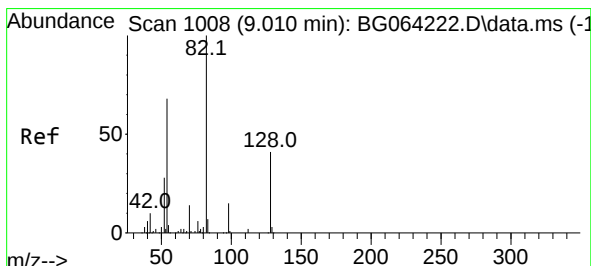
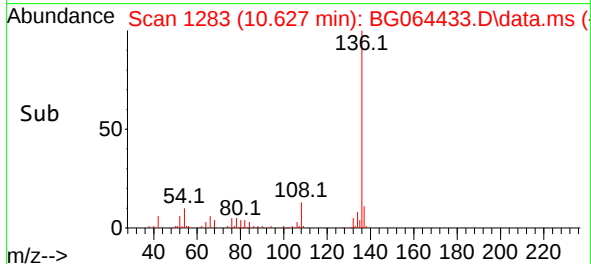
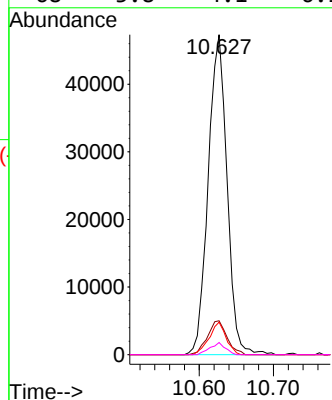
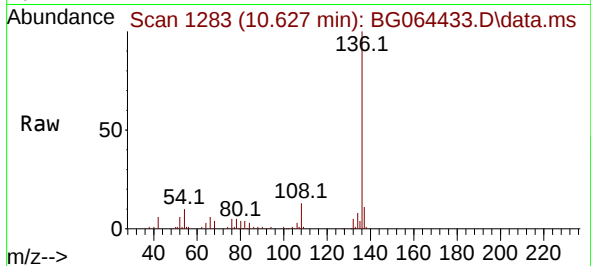




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.627 min Scan# 1004
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

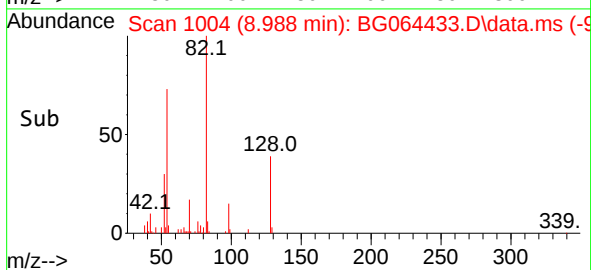
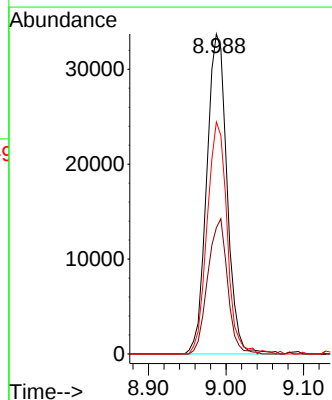
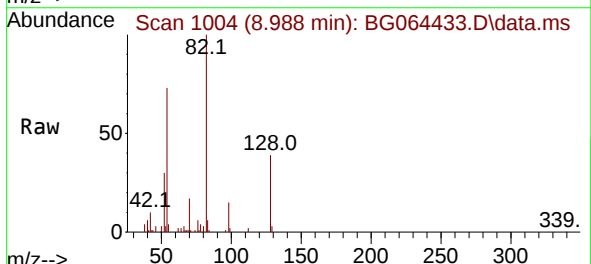
Instrument :
BNA_G
ClientSampleId :

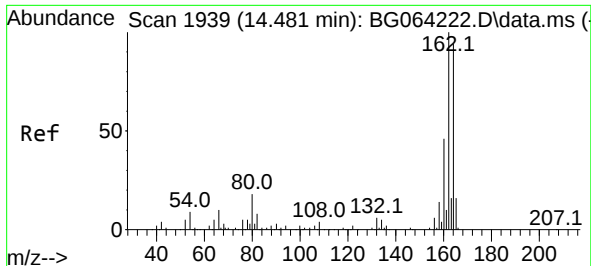
Tgt Ion:136	Resp:	83427
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.6 14.4
54	10.2	8.8 13.2
68	3.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 41.017 ng
RT: 8.988 min Scan# 1004
Delta R.T. -0.029 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

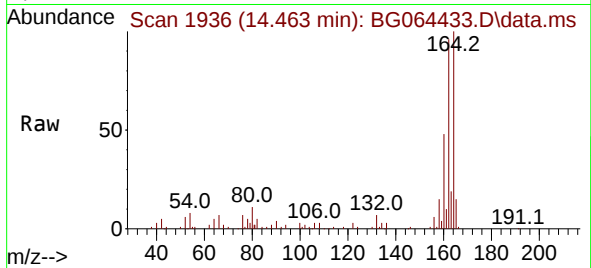
Tgt Ion: 82	Resp:	61357
Ion Ratio	Lower	Upper
82	100	
128	39.5	32.6 48.8
54	72.5	54.7 82.1



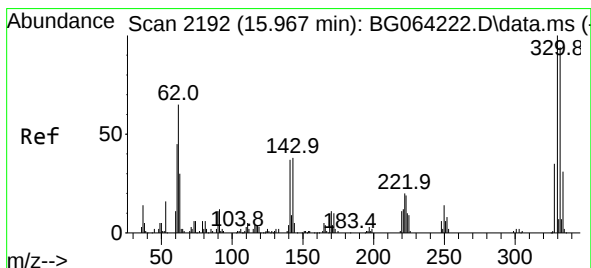
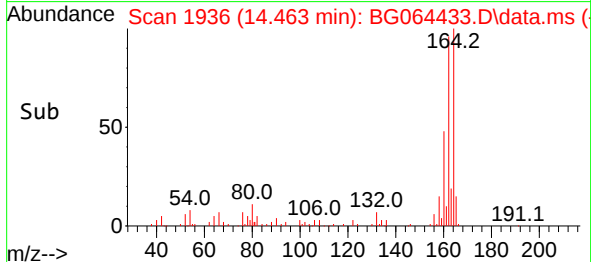
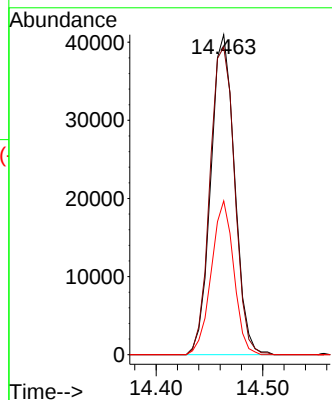


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.018 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

Instrument :
BNA_G
ClientSampleId :

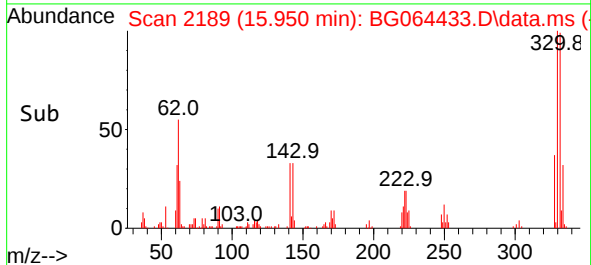
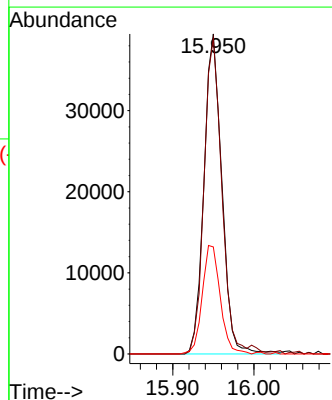
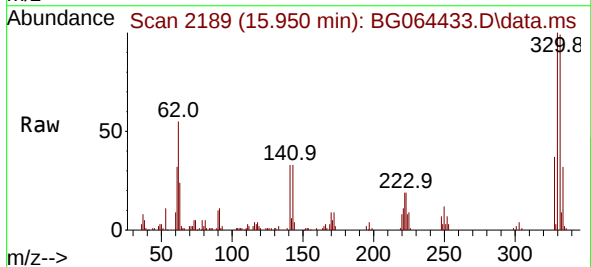


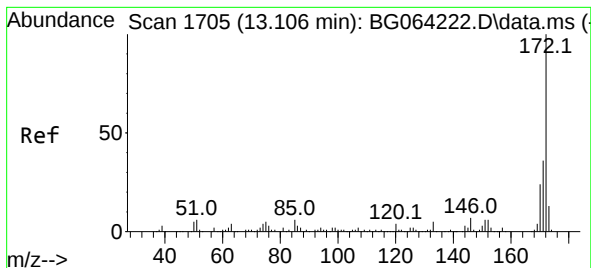
Tgt Ion:164 Resp: 63602
Ion Ratio Lower Upper
164 100
162 96.2 85.4 128.0
160 48.0 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 71.583 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

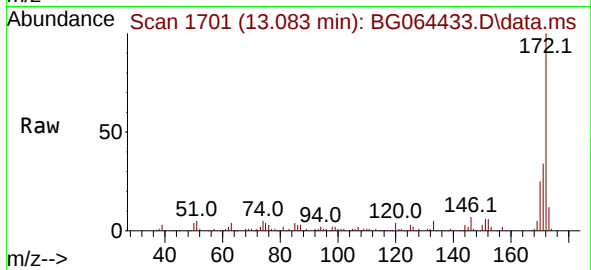
Tgt Ion:330 Resp: 60304
Ion Ratio Lower Upper
330 100
332 98.5 77.6 116.4
141 34.1 29.8 44.6



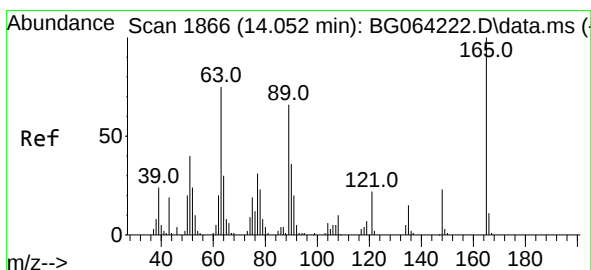
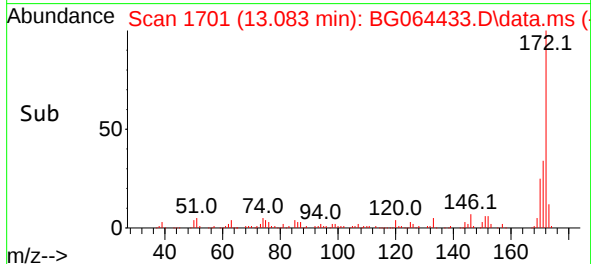
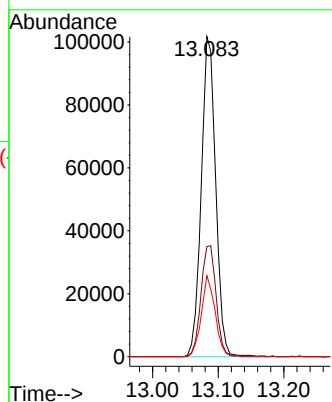


#45
2-Fluorobiphenyl
Concen: 37.400 ng
RT: 13.083 min Scan# 1
Delta R.T. -0.029 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

Instrument :
BNA_G
ClientSampleId :

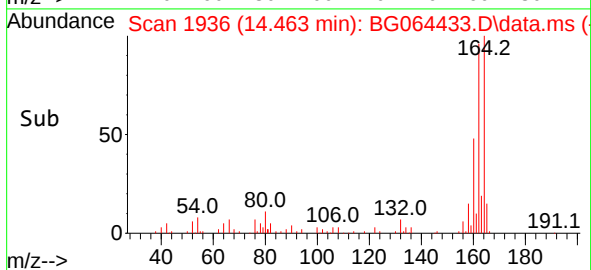
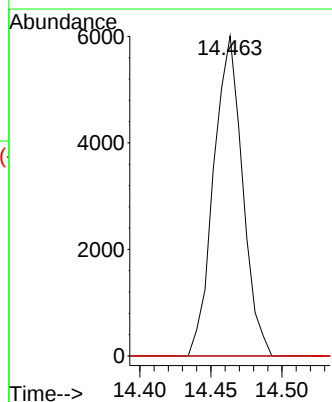
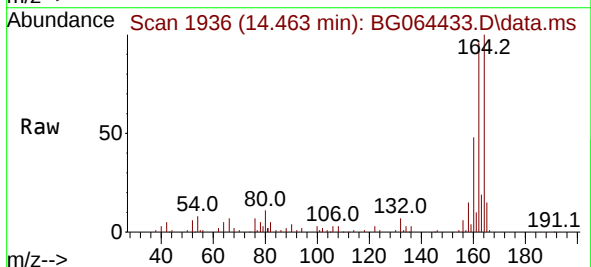


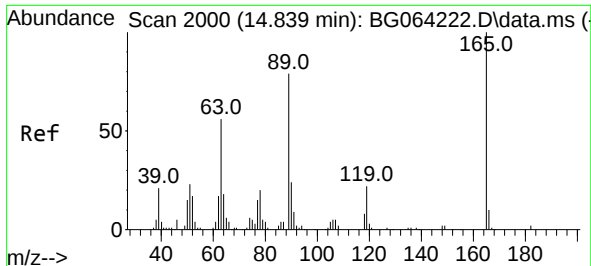
Tgt Ion:172 Resp: 155843
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 25.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.101 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.406 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

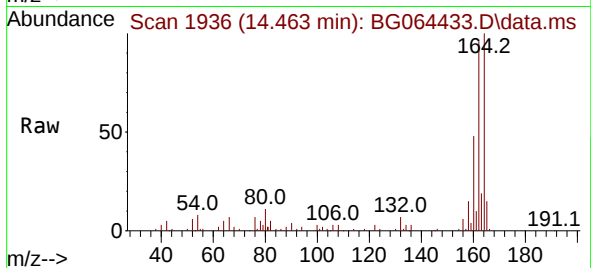
Tgt Ion:165 Resp: 8482
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



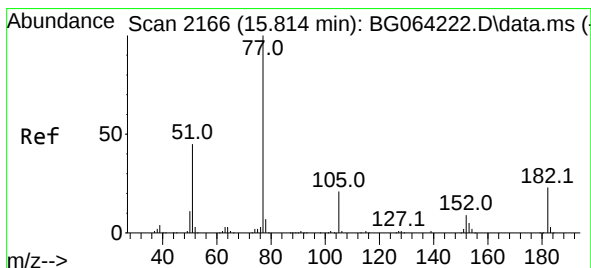
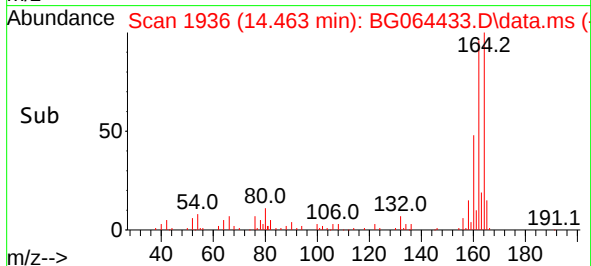
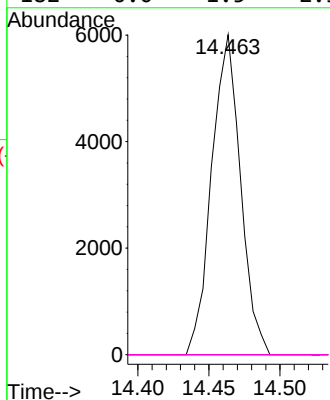


#57
2,4-Dinitrotoluene
Concen: 6.019 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.382 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

Instrument :
BNA_G
ClientSampleId :

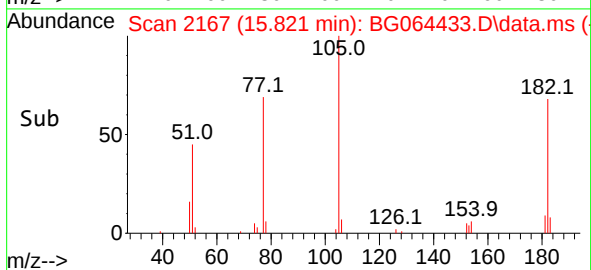
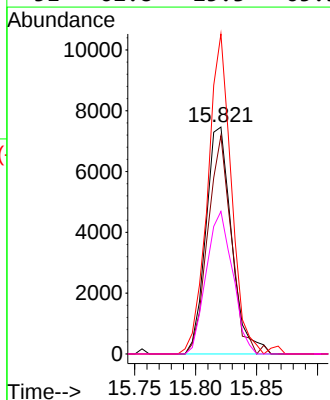
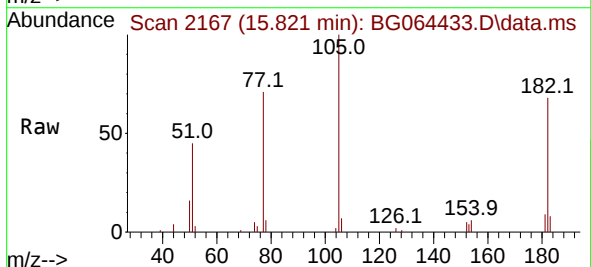


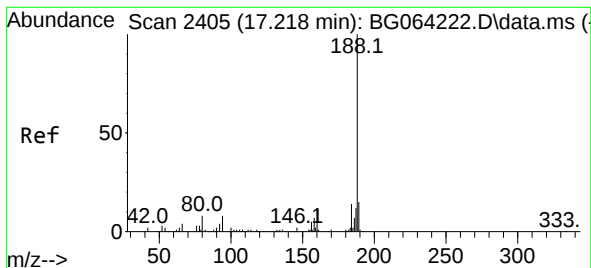
Tgt Ion:165 Resp: 8482
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#



#63
Azobenzene
Concen: 2.390 ng
RT: 15.821 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

Tgt Ion: 77 Resp: 10973
Ion Ratio Lower Upper
77 100
182 96.2 3.3 43.3#
105 141.0 0.6 40.6#
51 62.8 25.3 65.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2405

Delta R.T. -0.023 min

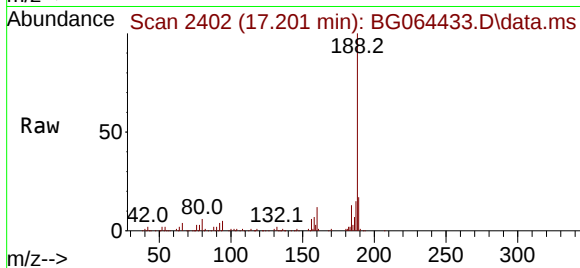
Lab File: BG064433.D

Acq: 23 Sep 2025 3:11

Instrument :

BNA_G

ClientSampleId :



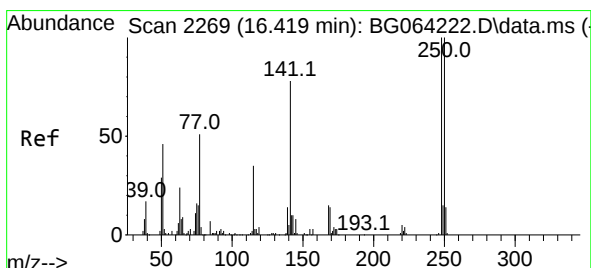
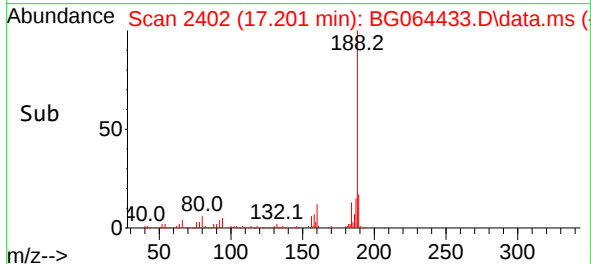
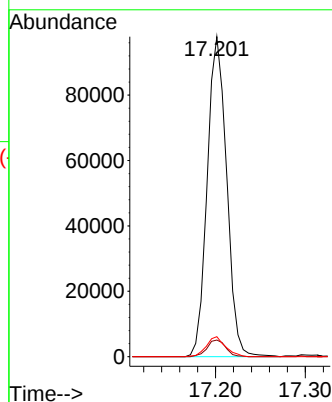
Tgt Ion:188 Resp: 147057

Ion Ratio Lower Upper

188 100

94 5.2 6.2 9.4#

80 6.3 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 2.640 ng

RT: 15.950 min Scan# 2189

Delta R.T. -0.470 min

Lab File: BG064433.D

Acq: 23 Sep 2025 3:11

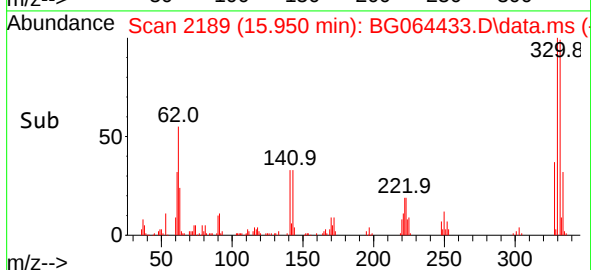
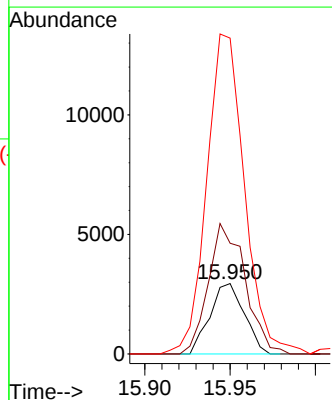
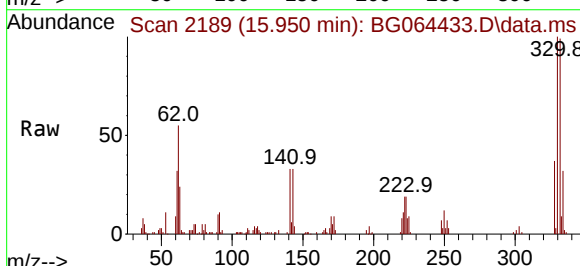
Tgt Ion:248 Resp: 4123

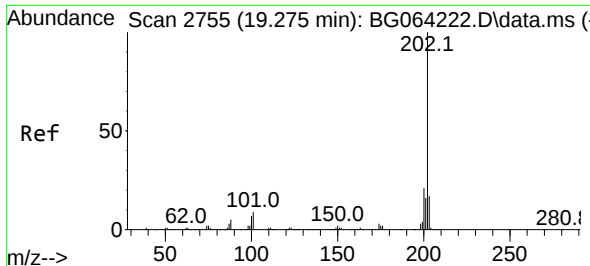
Ion Ratio Lower Upper

248 100

250 157.1 80.2 120.4#

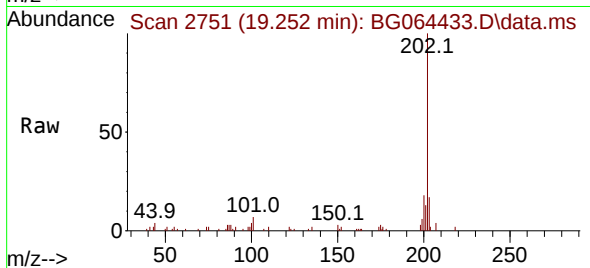
141 448.3 62.4 93.6#



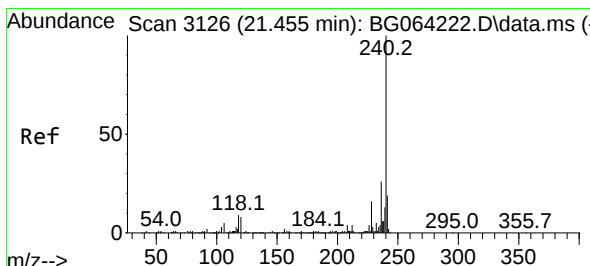
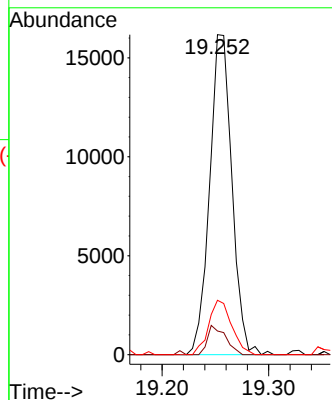
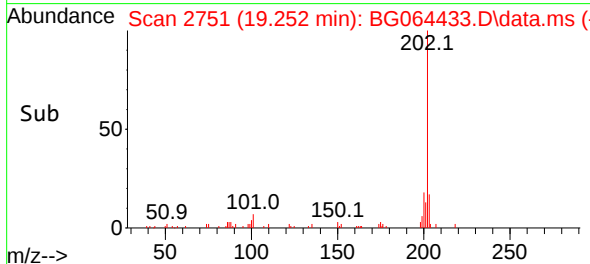


#75
Fluoranthene
Concen: 2.575 ng
RT: 19.252 min Scan# 21
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

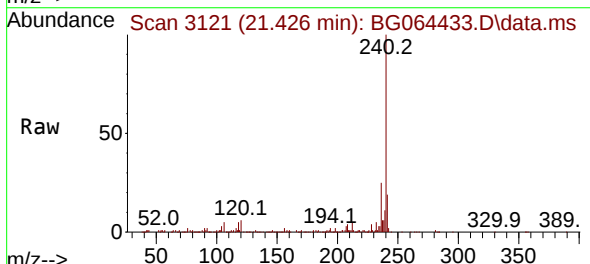
Instrument :
BNA_G
ClientSampleId :



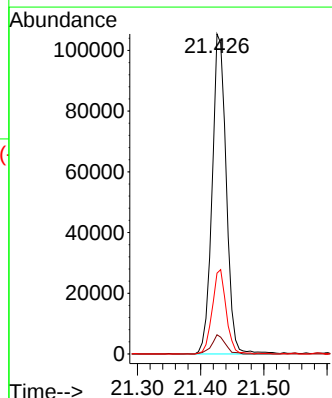
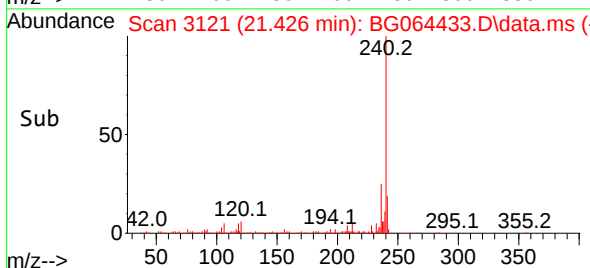
Tgt Ion:202 Resp: 23481
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.7
203 17.0 0.0 36.9

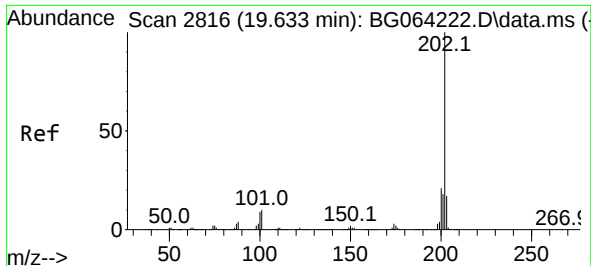


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.426 min Scan# 3121
Delta R.T. -0.029 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11



Tgt Ion:240 Resp: 163365
Ion Ratio Lower Upper
240 100
120 6.0 6.2 9.4#
236 25.3 20.5 30.7

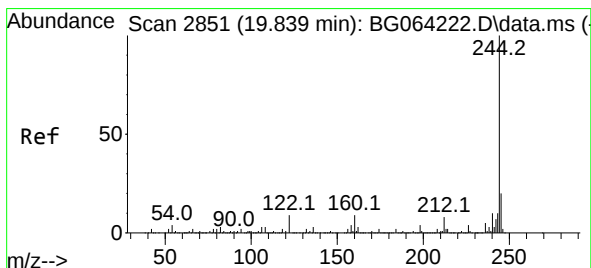
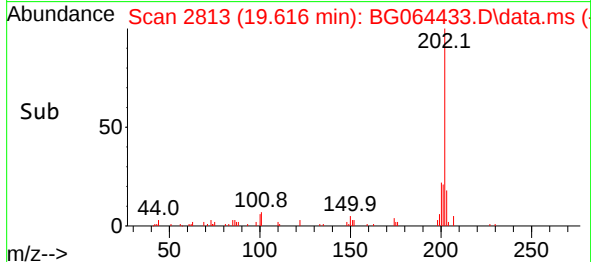
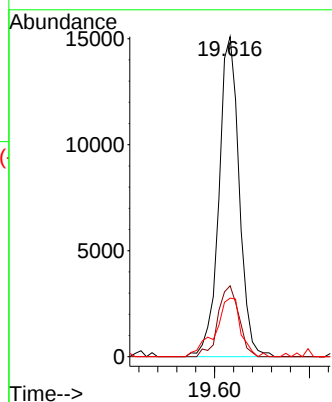
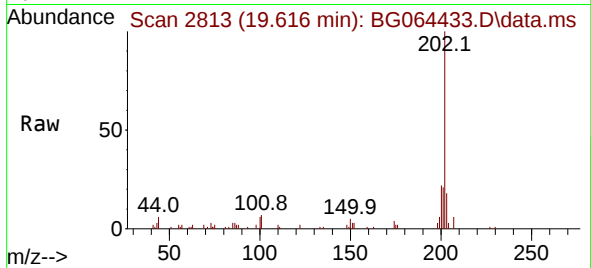




#78
 Pyrene
 Concen: 2.180 ng
 RT: 19.616 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BG064433.D
 Acq: 23 Sep 2025 3:11

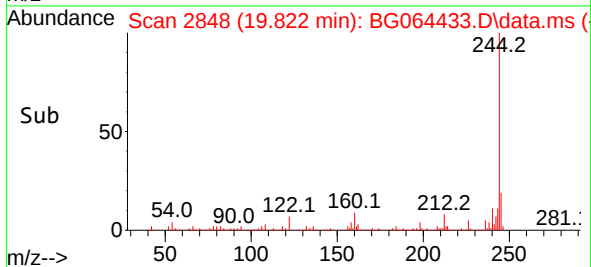
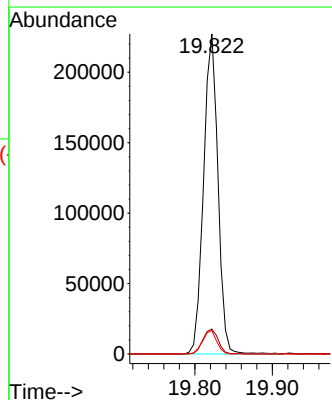
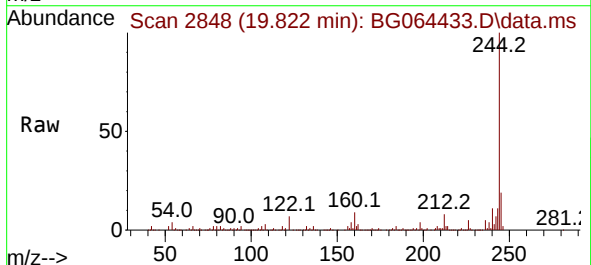
Instrument :
 BNA_G
 ClientSampleId :

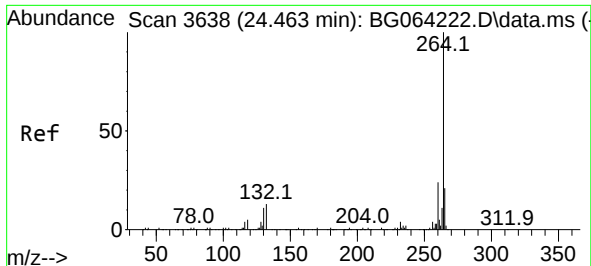
Tgt Ion:	202	Resp:	22432
Ion Ratio	Lower	Upper	
202	100		
200	22.1	16.9	25.3
203	18.3	13.8	20.8



#79
 Terphenyl-d14
 Concen: 37.234 ng
 RT: 19.822 min Scan# 2848
 Delta R.T. -0.023 min
 Lab File: BG064433.D
 Acq: 23 Sep 2025 3:11

Tgt Ion:	244	Resp:	291547
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.6	10.0
122	7.3	7.0	10.6

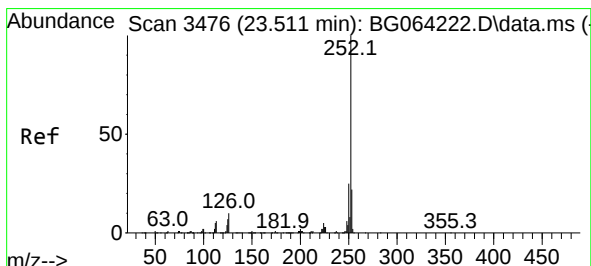
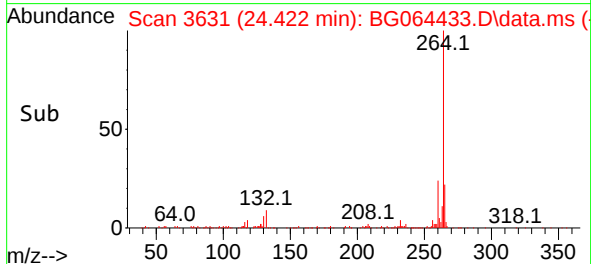
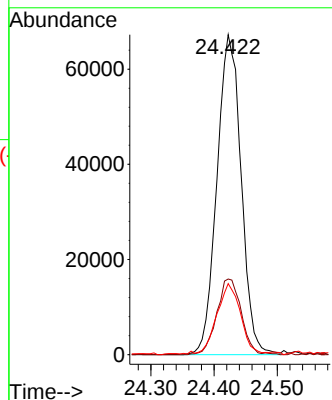
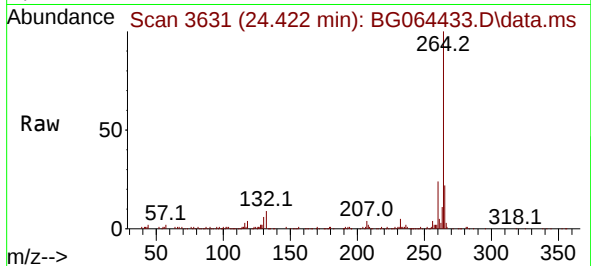




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.422 min Scan# 30
Delta R.T. -0.041 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

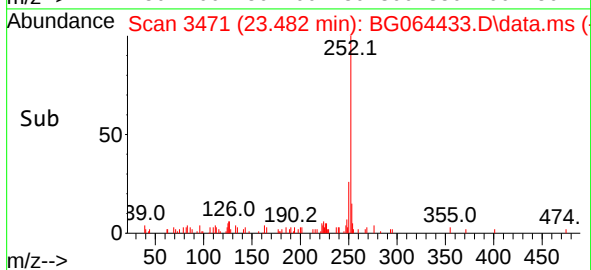
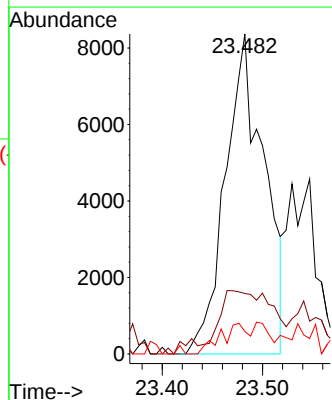
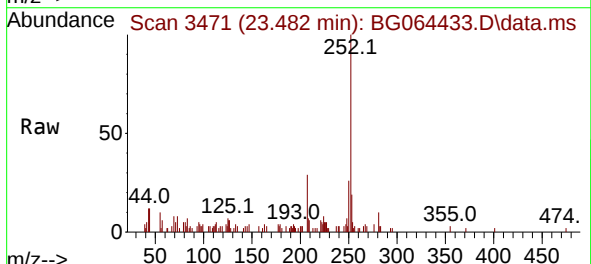
Instrument :
BNA_G
ClientSampleId :

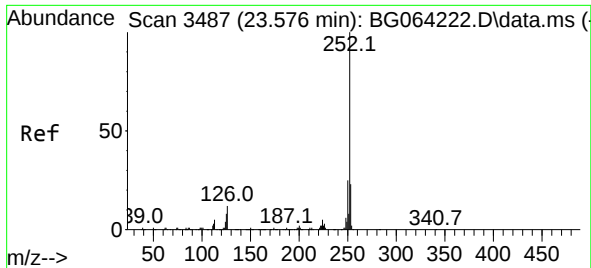
Tgt Ion:264 Resp: 178851
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.2 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 2.220 ng
RT: 23.482 min Scan# 3471
Delta R.T. -0.035 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

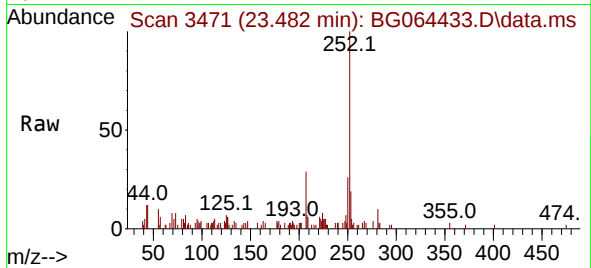
Tgt Ion:252 Resp: 22410
Ion Ratio Lower Upper
252 100
253 18.9 17.5 26.3
125 7.0 5.9 8.9





#89
 Benzo(k)fluoranthene
 Concen: 2.179 ng
 RT: 23.482 min Scan# 34
 Delta R.T. -0.105 min
 Lab File: BG064433.D
 Acq: 23 Sep 2025 3:11

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:	252	Resp:	22410
Ion Ratio	Lower	Upper	
252	100		
253	18.9	18.2	27.4
125	7.0	7.0	10.4

