

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 :
 SP-A

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)

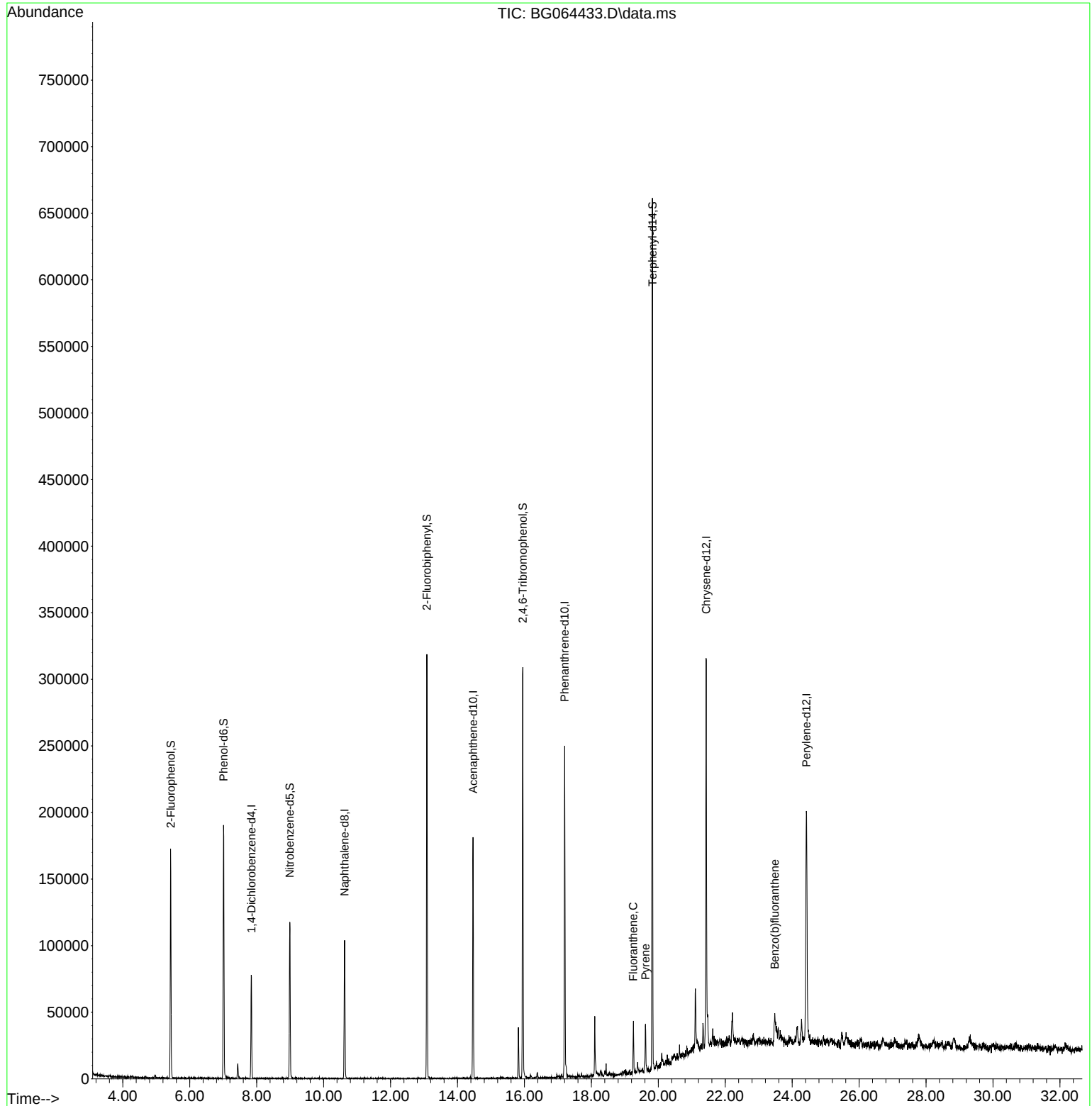
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	18811	20.000	ng	-0.02
21) Naphthalene-d8	10.627	136	83427	20.000	ng	#-0.02
39) Acenaphthene-d10	14.463	164	63602	20.000	ng	-0.02
64) Phenanthrene-d10	17.201	188	147057	20.000	ng	#-0.02
76) Chrysene-d12	21.426	240	163365	20.000	ng	#-0.03
86) 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
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

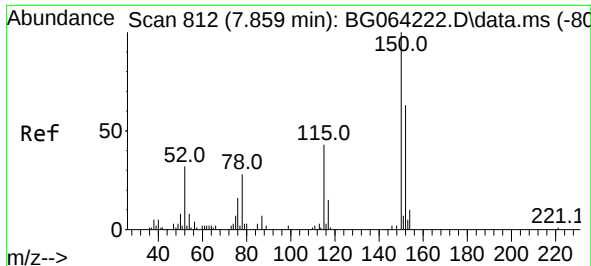
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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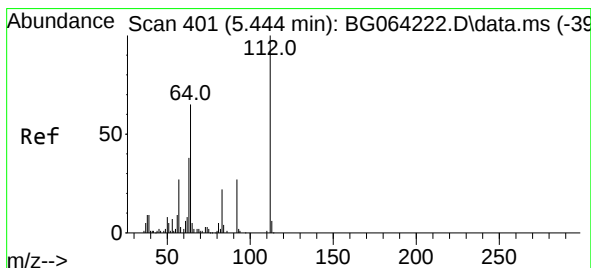
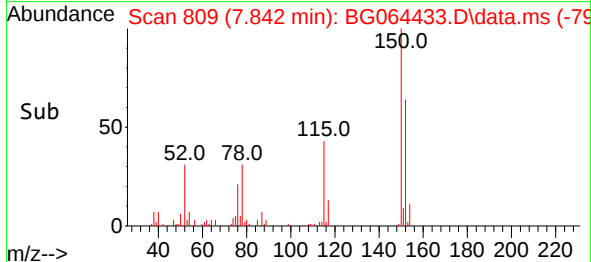
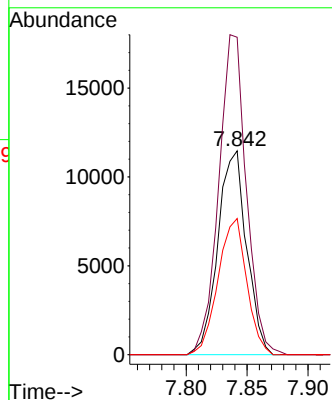
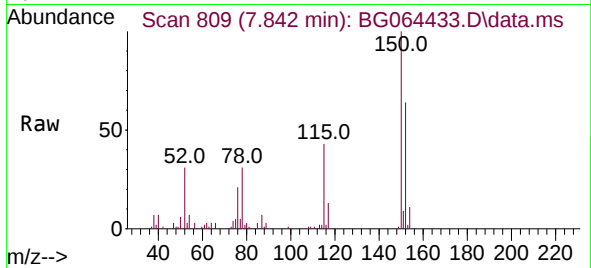




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.842 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

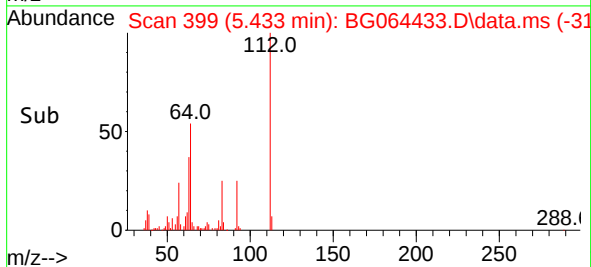
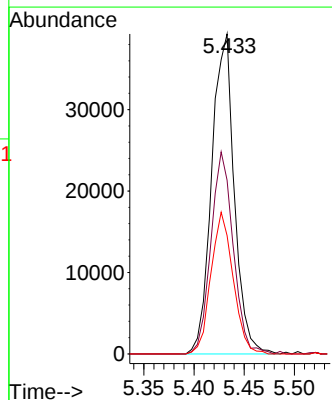
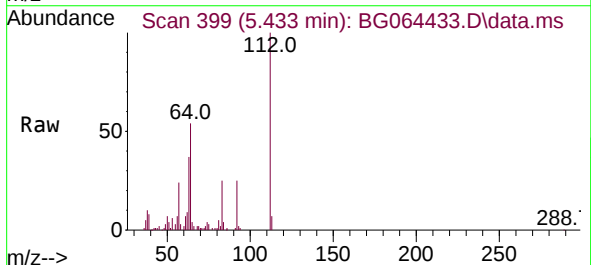
Instrument :
BNA_G
ClientSampleId :
SP-A

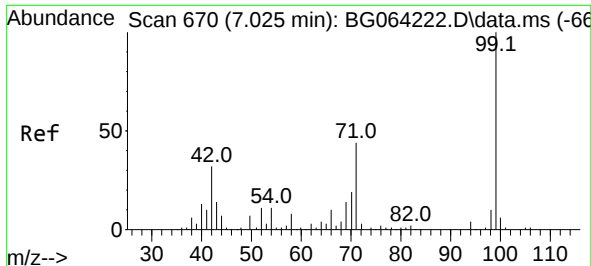
Tgt Ion:152 Resp: 18811
Ion Ratio Lower Upper
152 100
150 155.8 128.0 192.0
115 66.8 55.7 83.5



#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

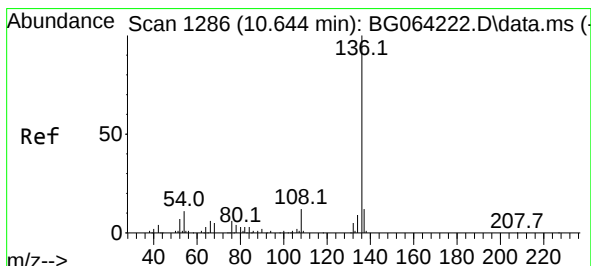
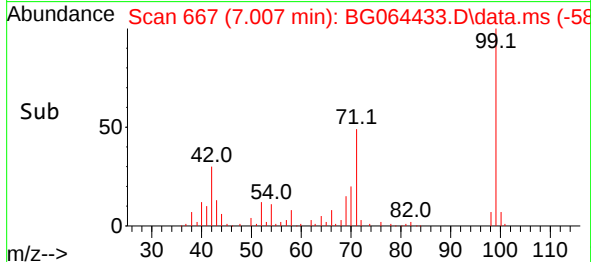
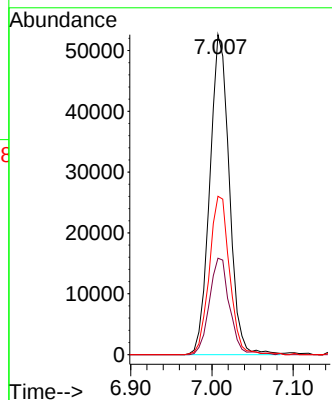
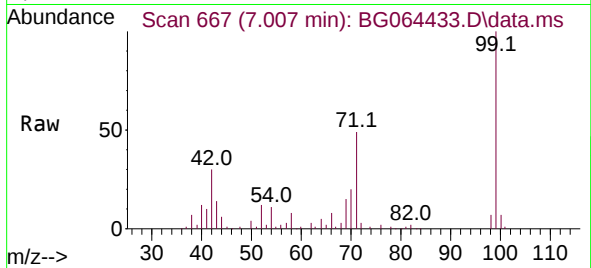




#7
Phenol-d6
Concen: 60.913 ng
RT: 7.007 min Scan# 60
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

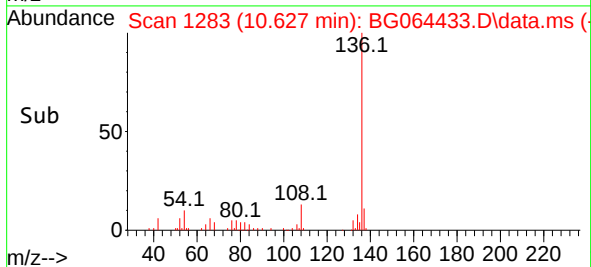
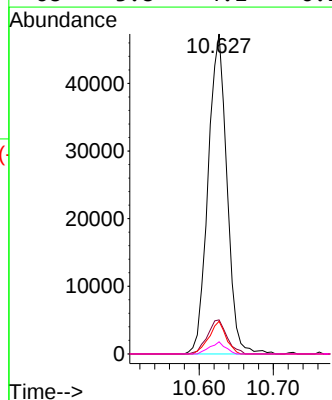
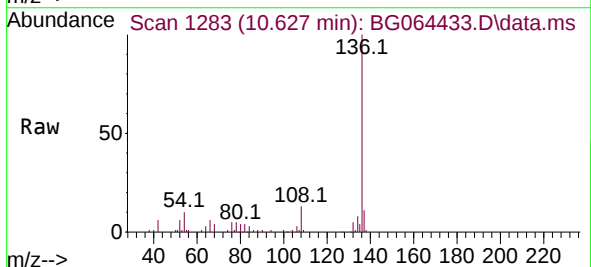
Instrument :
BNA_G
ClientSampleId :
SP-A

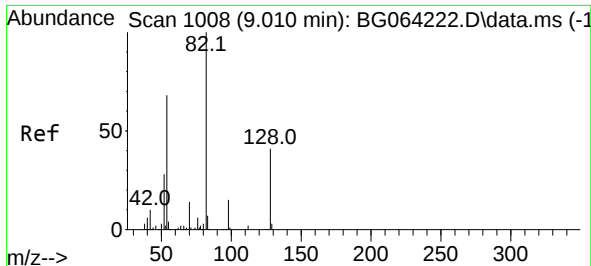
Tgt Ion: 99 Resp: 87742
Ion Ratio Lower Upper
99 100
42 30.1 25.8 38.8
71 49.5 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.627 min Scan# 1283
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

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

Instrument :

BNA_G

ClientSampleId :

SP-A

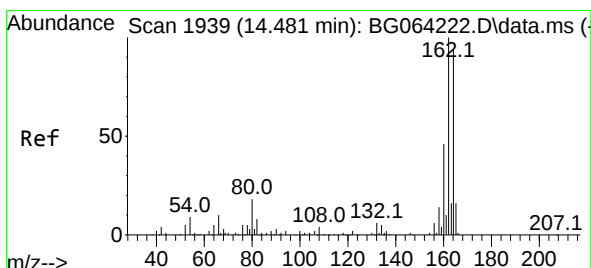
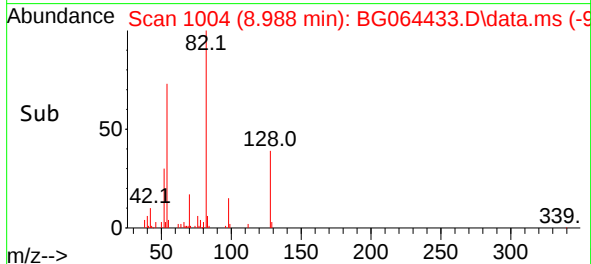
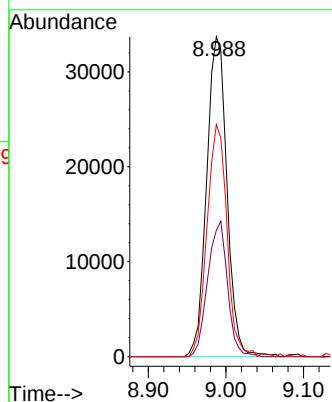
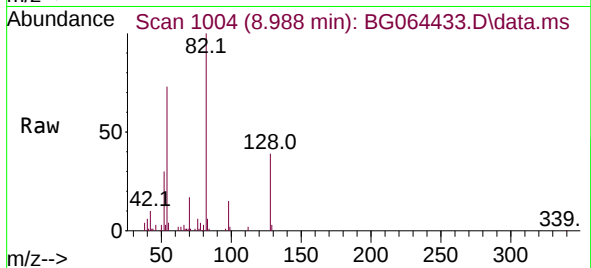
Tgt Ion: 82 Resp: 61357

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

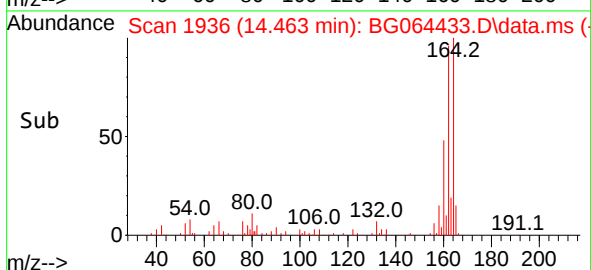
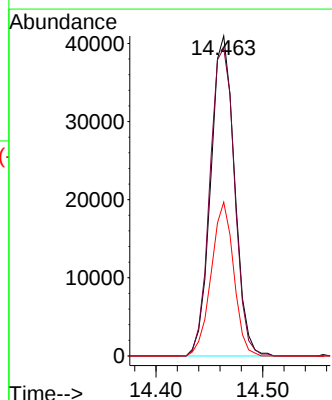
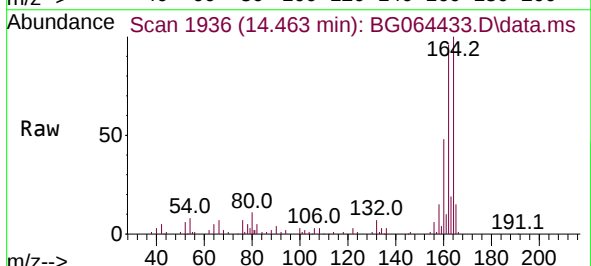
Tgt Ion: 164 Resp: 63602

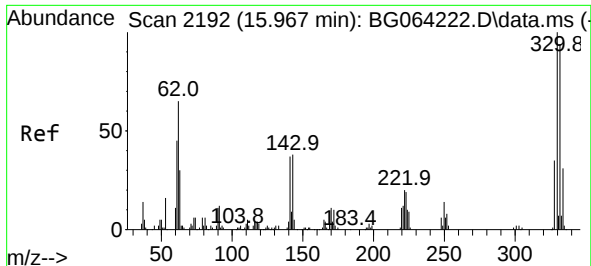
Ion Ratio Lower Upper

164 100

162 96.2 85.4 128.0

160 48.0 39.2 58.8

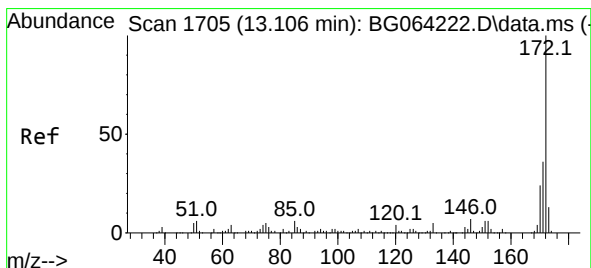
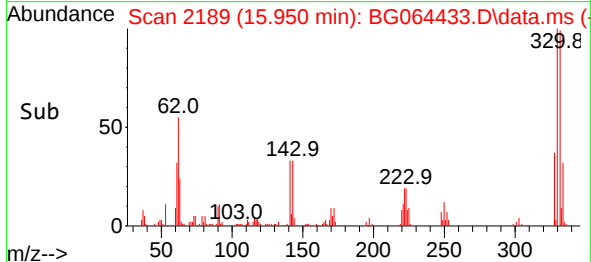
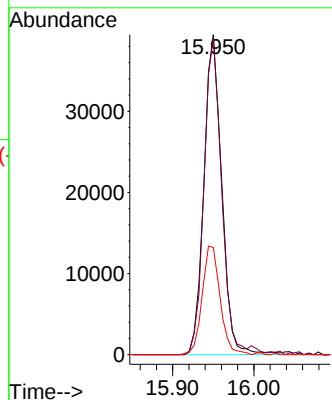
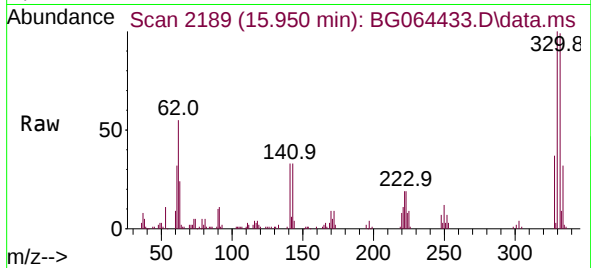




#42
2,4,6-Tribromophenol
Concen: 71.583 ng
RT: 15.950 min Scan# 21
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

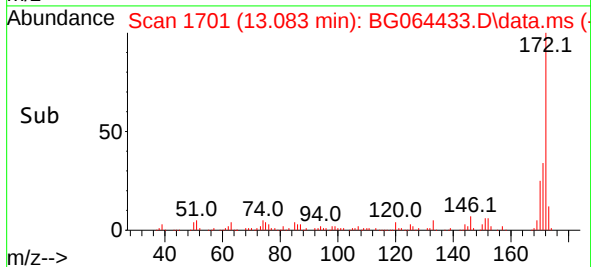
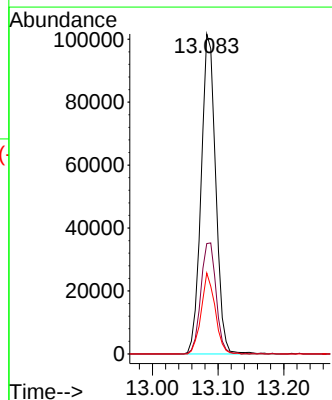
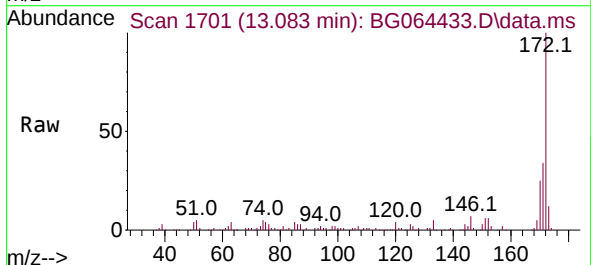
Instrument :
BNA_G
ClientSampleId :
SP-A

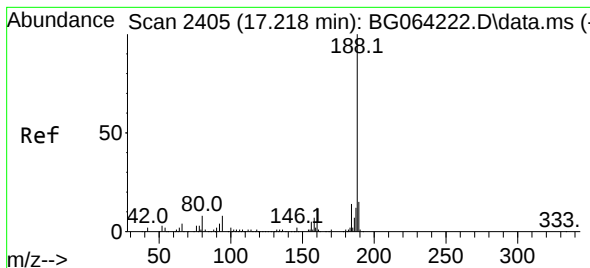
Tgt Ion:330 Resp: 60304
Ion Ratio Lower Upper
330 100
332 98.5 77.6 116.4
141 34.1 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 37.400 ng
RT: 13.083 min Scan# 1701
Delta R.T. -0.029 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 24

Delta R.T. -0.023 min

Lab File: BG064433.D

Acq: 23 Sep 2025 3:11

Instrument :

BNA_G

ClientSampleId :

SP-A

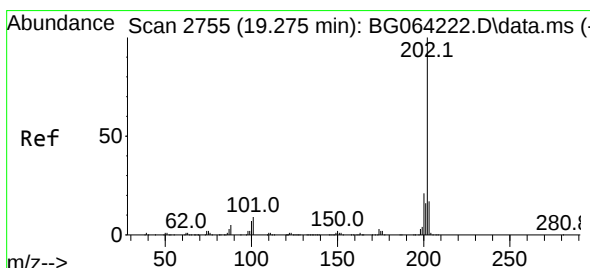
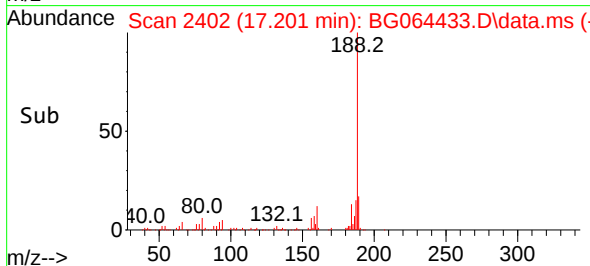
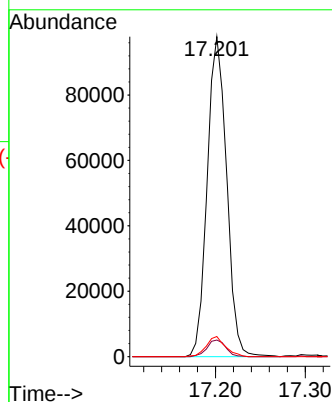
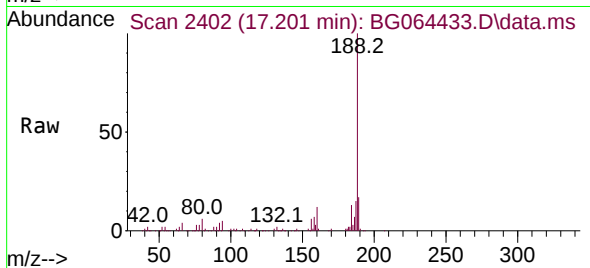
Tgt Ion:188 Resp: 147057

Ion Ratio Lower Upper

188 100

94 5.2 6.2 9.4#

80 6.3 6.8 10.2#



#75

Fluoranthene

Concen: 2.575 ng

RT: 19.252 min Scan# 2751

Delta R.T. -0.023 min

Lab File: BG064433.D

Acq: 23 Sep 2025 3:11

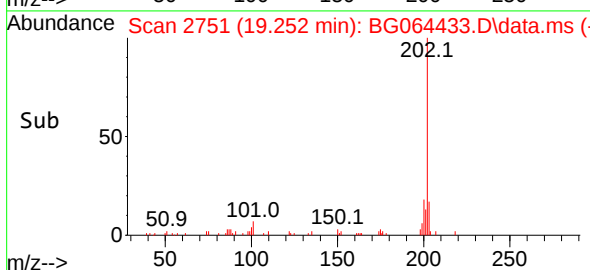
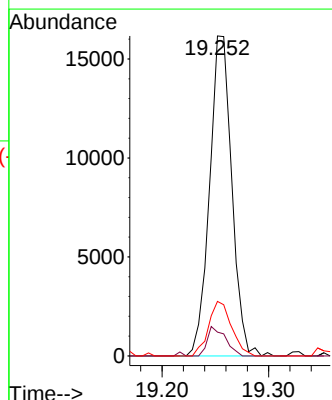
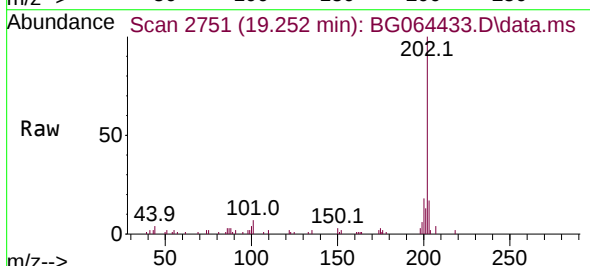
Tgt Ion:202 Resp: 23481

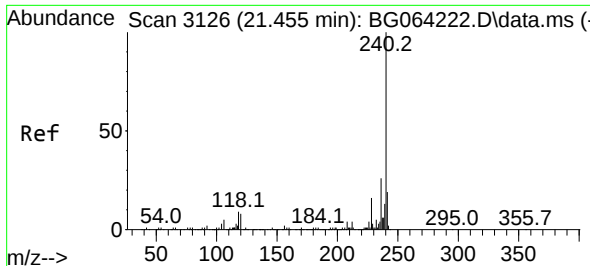
Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.7

203 17.0 0.0 36.9

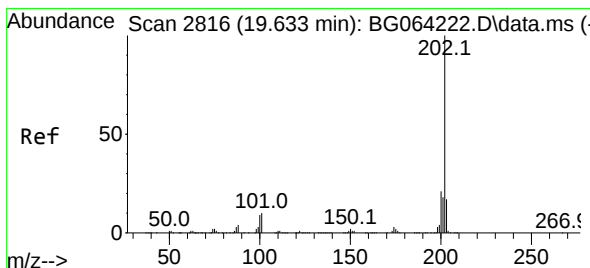
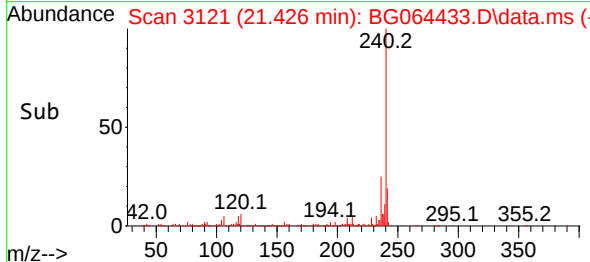
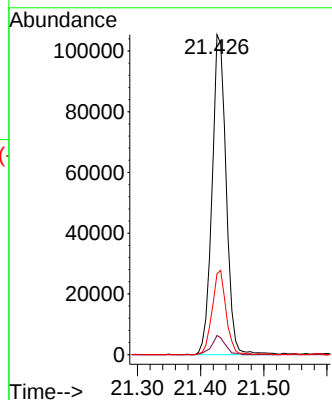
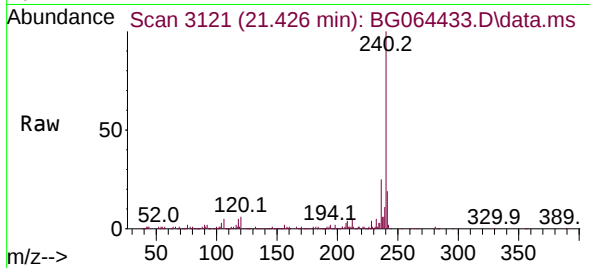




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.426 min Scan# 31
Delta R.T. -0.029 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

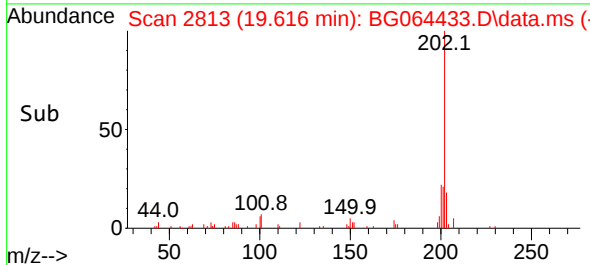
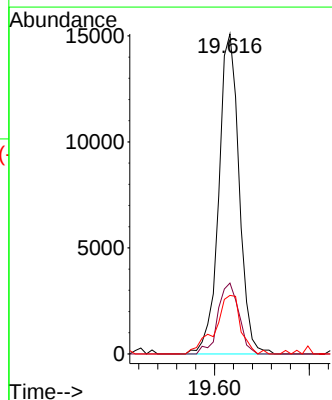
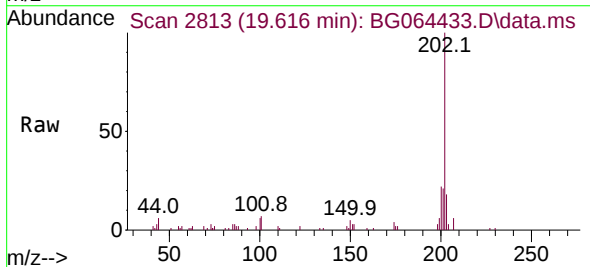
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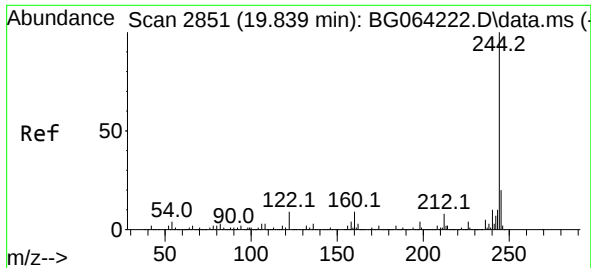
Tgt Ion:240 Resp: 163365
Ion Ratio Lower Upper
240 100
120 6.0 6.2 9.4#
236 25.3 20.5 30.7



#78
Pyrene
Concen: 2.180 ng
RT: 19.616 min Scan# 2813
Delta R.T. -0.023 min
Lab File: BG064433.D
Acq: 23 Sep 2025 3:11

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

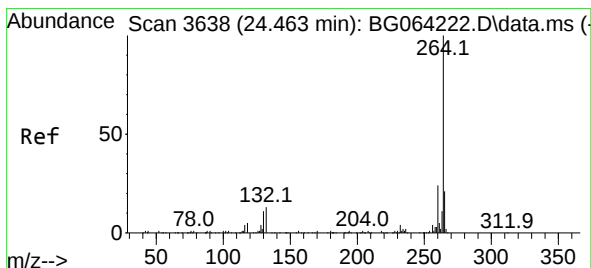
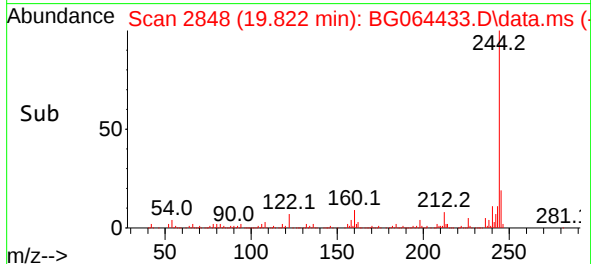
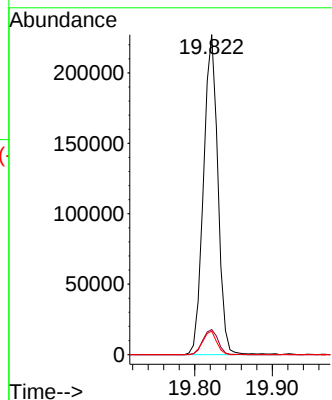
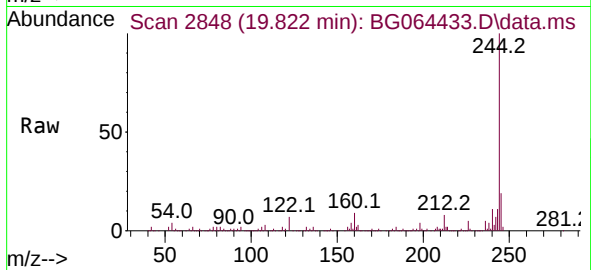




#79
 Terphenyl-d14
 Concen: 37.234 ng
 RT: 19.822 min Scan# 2848
 Delta R.T. -0.023 min
 Lab File: BG064433.D
 Acq: 23 Sep 2025 3:11

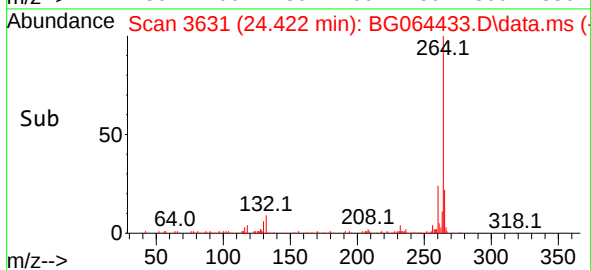
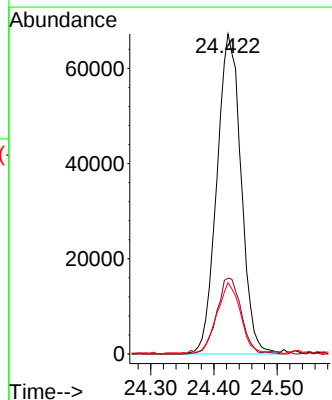
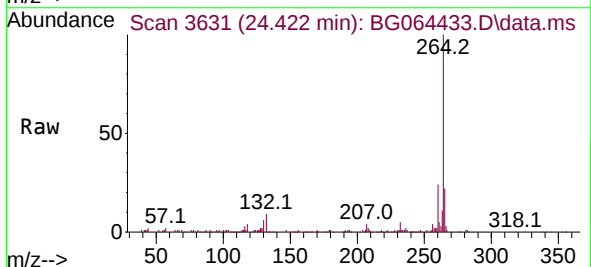
Instrument :
 BNA_G
 ClientSampleId :
 SP-A

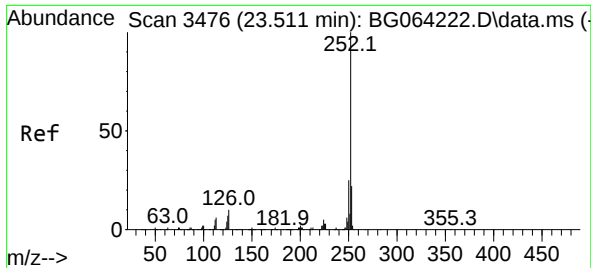
Tgt Ion:244 Resp: 291547
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 10.0
 122 7.3 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.422 min Scan# 3631
 Delta R.T. -0.041 min
 Lab File: BG064433.D
 Acq: 23 Sep 2025 3:11

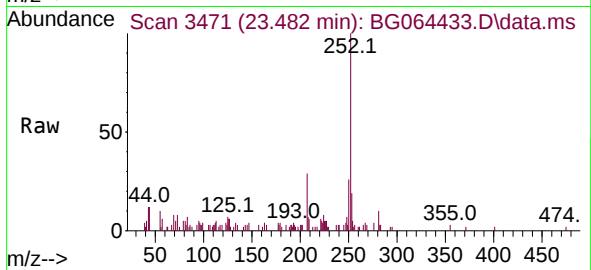
Tgt Ion:264 Resp: 178851
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 22.2 16.7 25.1





#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

Instrument :
BNA_G
ClientSampleId :
SP-A



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

