

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
 Data File : BG064428.D
 Acq On : 22 Sep 2025 23:46
 Operator : RC/JU
 Sample : Q3153-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-500-COMP-39

Quant Time: Sep 23 01:55:10 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	7.841	152	16109	20.000	ng	-0.02
21) Naphthalene-d8	10.626	136	64339	20.000	ng	#-0.02
39) Acenaphthene-d10	14.463	164	49205	20.000	ng	-0.02
64) Phenanthrene-d10	17.201	188	124609	20.000	ng	#-0.02
76) Chrysene-d12	21.431	240	150806	20.000	ng	#-0.02
86) Perylene-d12	24.428	264	162981	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.432	112	139347	155.194	ng	-0.01
7) Phenol-d6	7.013	99	166646	135.095	ng	-0.02
23) Nitrobenzene-d5	8.993	82	138893	120.395	ng	-0.02
42) 2,4,6-Tribromophenol	15.955	330	146520	224.813	ng	-0.02
45) 2-Fluorobiphenyl	13.088	172	356572	110.610	ng	-0.02
79) Terphenyl-d14	19.827	244	879673	121.700	ng	-0.02

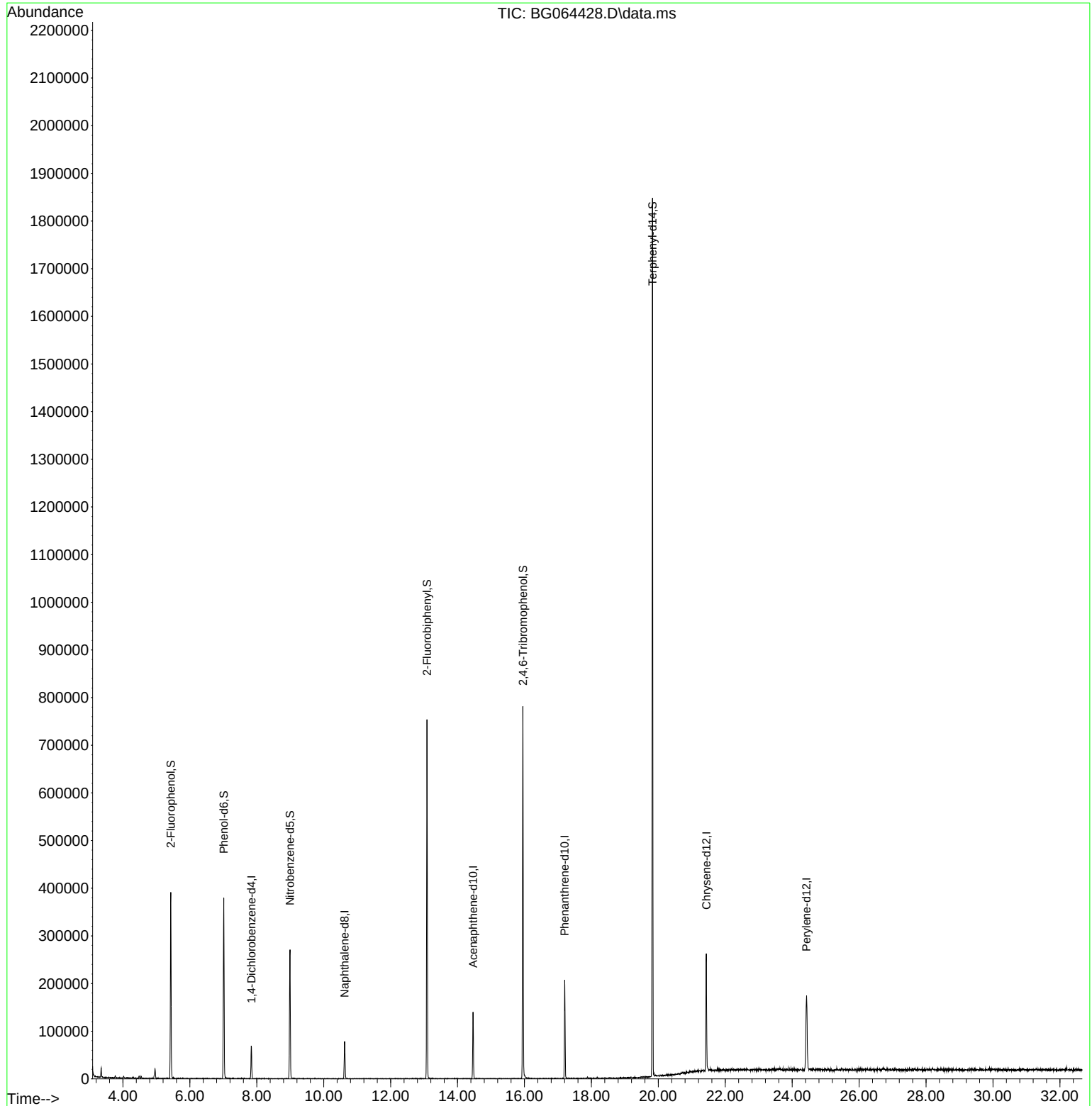
Target Compounds	Qvalue

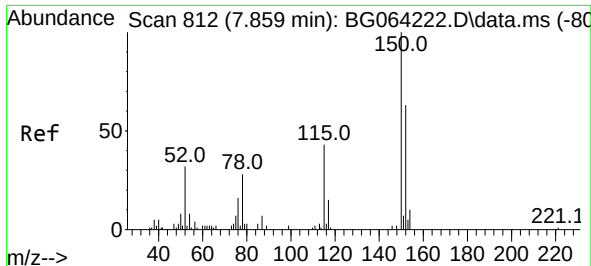
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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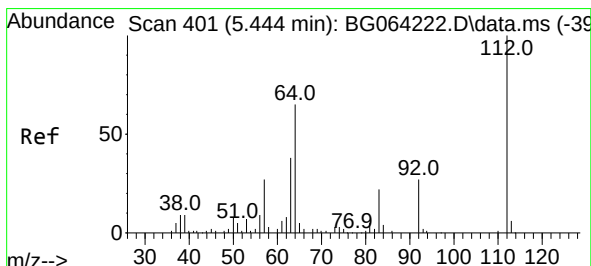
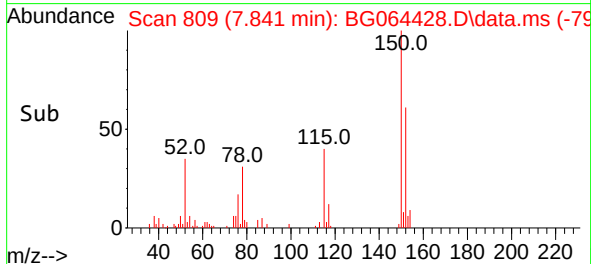
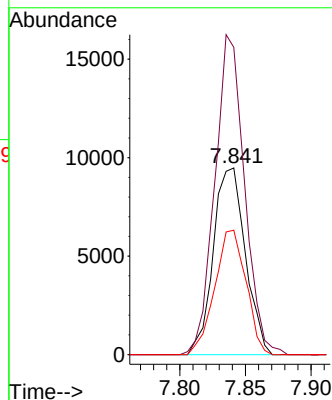
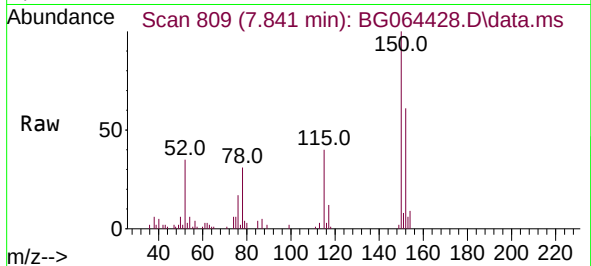




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.841 min Scan# 809
Delta R.T. -0.018 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

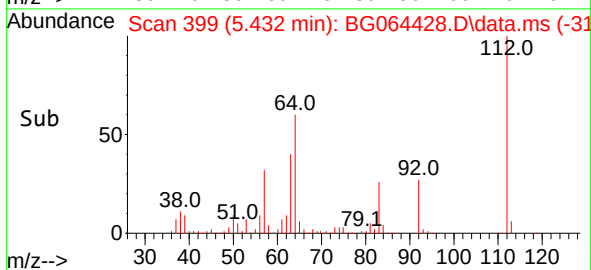
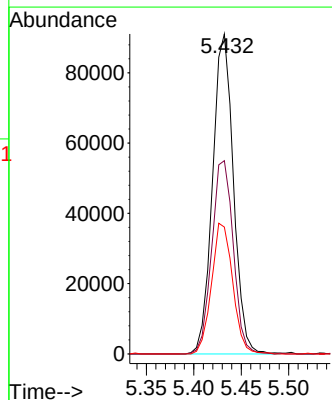
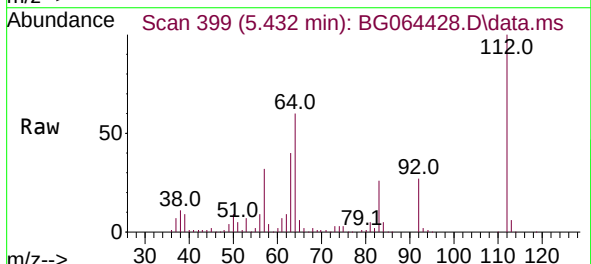
Instrument :
BNA_G
ClientSampleId :
OR-500-COMP-39

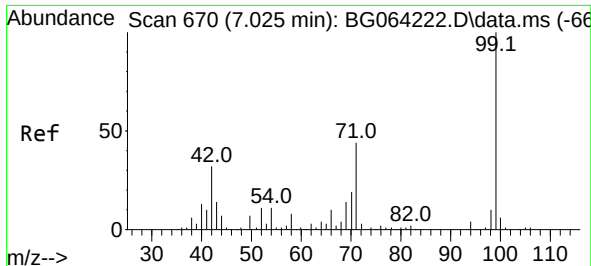
Tgt Ion:152 Resp: 16109
Ion Ratio Lower Upper
152 100
150 164.6 128.0 192.0
115 66.6 55.7 83.5



#5
2-Fluorophenol
Concen: 155.194 ng
RT: 5.432 min Scan# 399
Delta R.T. -0.012 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

Tgt Ion:112 Resp: 139347
Ion Ratio Lower Upper
112 100
64 60.4 51.8 77.6
63 39.7 30.6 45.8

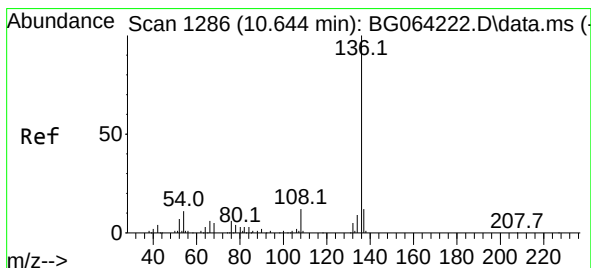
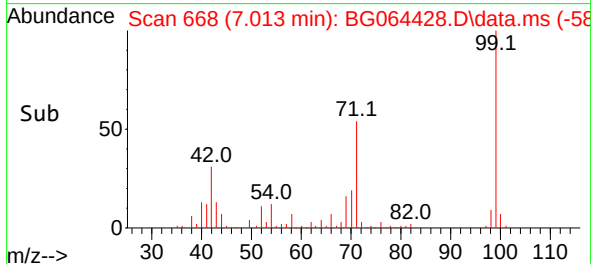
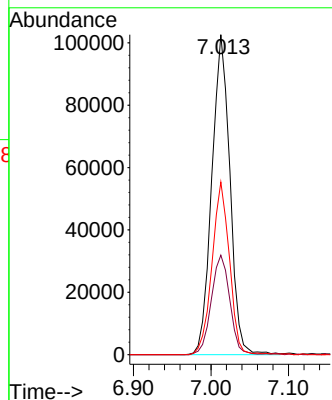
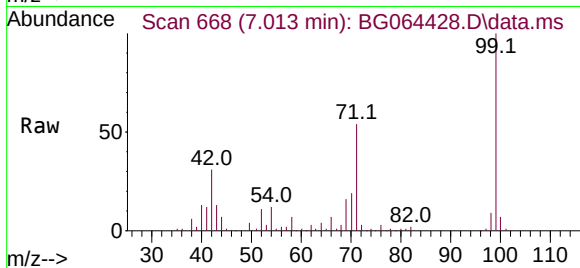




#7
Phenol-d6
Concen: 135.095 ng
RT: 7.013 min Scan# 60
Delta R.T. -0.018 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

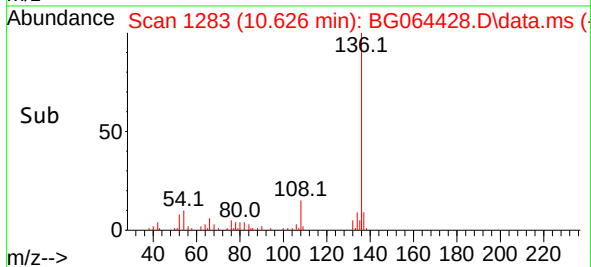
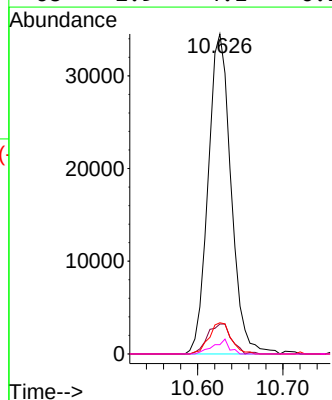
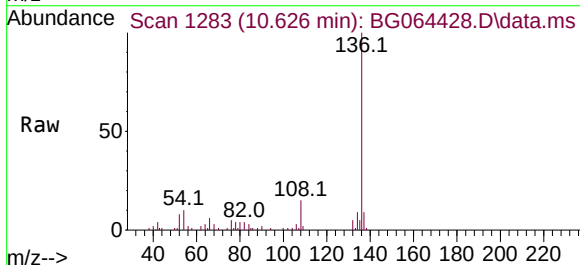
Instrument :
BNA_G
ClientSampleId :
OR-500-COMP-39

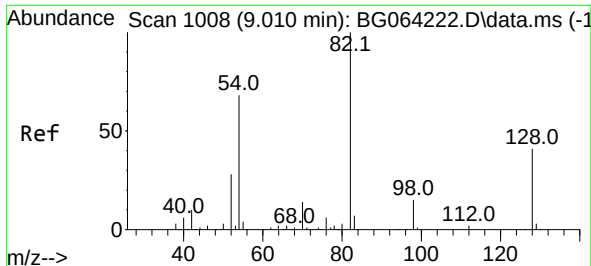
Tgt Ion: 99 Resp: 166646
Ion Ratio Lower Upper
99 100
42 31.1 25.8 38.8
71 53.9 35.2 52.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.626 min Scan# 1283
Delta R.T. -0.024 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

Tgt Ion:136 Resp: 64339
Ion Ratio Lower Upper
136 100
137 9.3 9.6 14.4#
54 9.8 8.8 13.2
68 2.9 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 120.395 ng

RT: 8.993 min Scan# 1005

Delta R.T. -0.024 min

Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

Instrument :

BNA_G

ClientSampleId :

OR-500-COMP-39

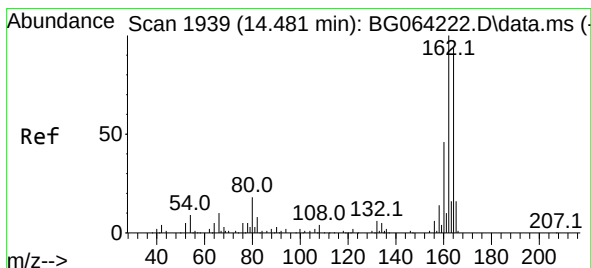
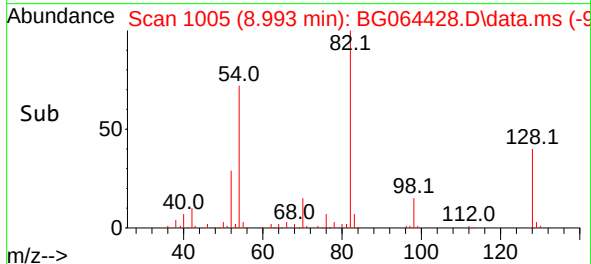
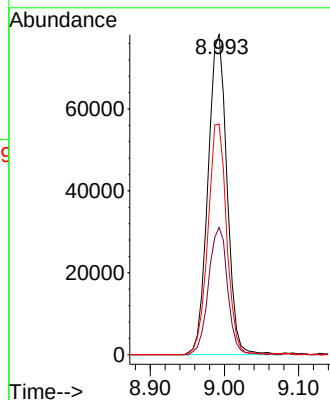
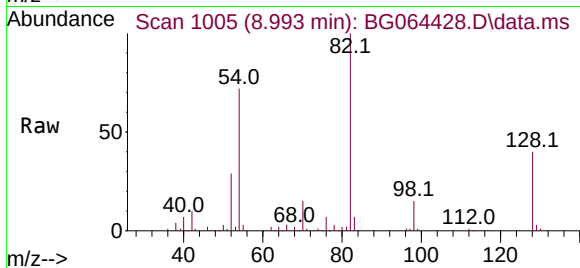
Tgt Ion: 82 Resp: 138893

Ion Ratio Lower Upper

82 100

128 39.7 32.6 48.8

54 72.0 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: BG064428.D

Acq: 22 Sep 2025 23:46

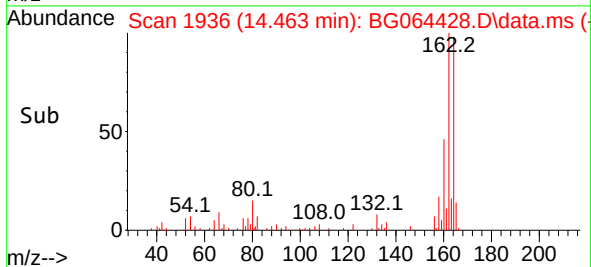
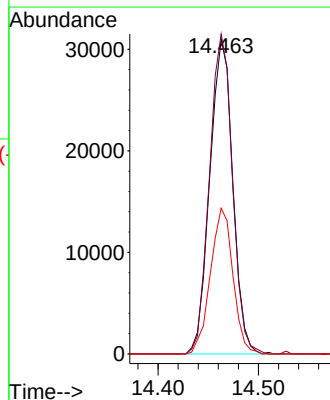
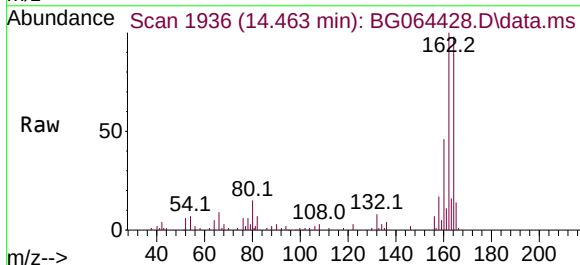
Tgt Ion:164 Resp: 49205

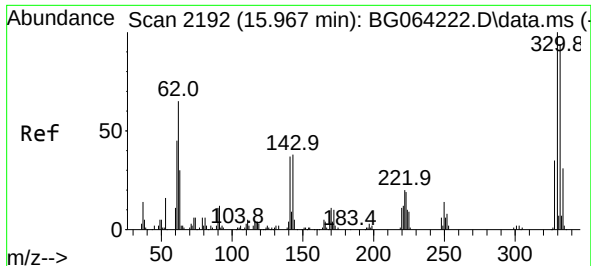
Ion Ratio Lower Upper

164 100

162 101.6 85.4 128.0

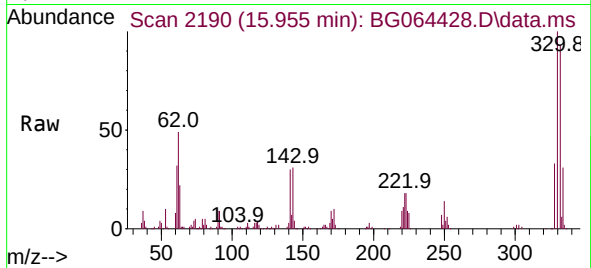
160 46.2 39.2 58.8



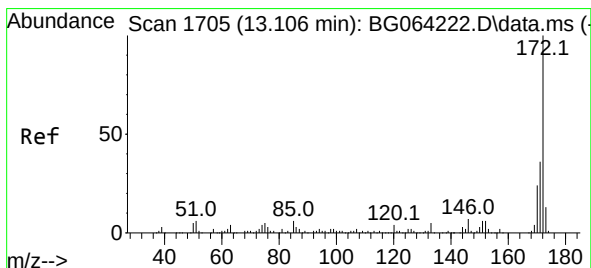
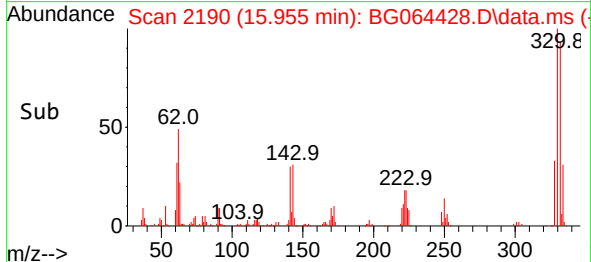
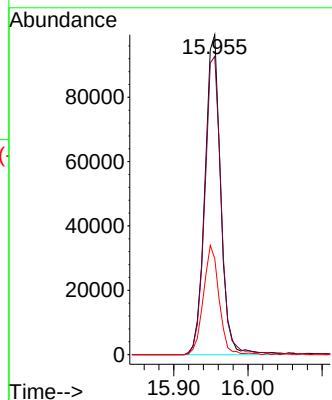


#42
2,4,6-Tribromophenol
Concen: 224.813 ng
RT: 15.955 min Scan# 2190
Delta R.T. -0.018 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

Instrument :
BNA_G
ClientSampleId :
OR-500-COMP-39

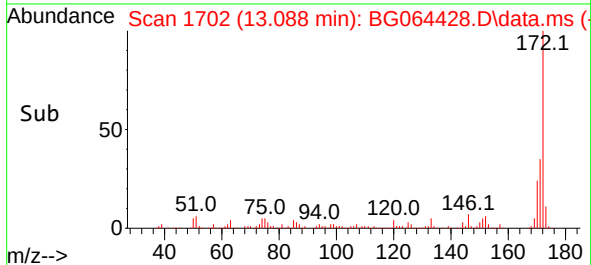
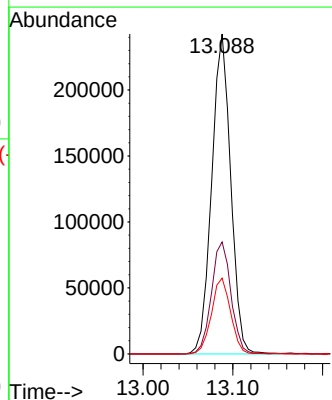
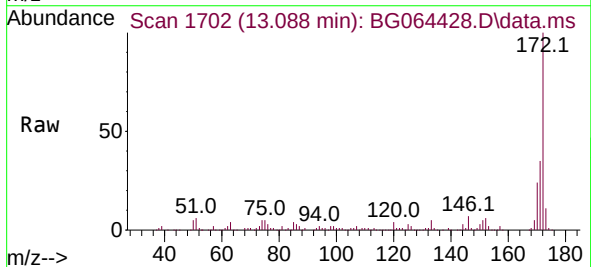


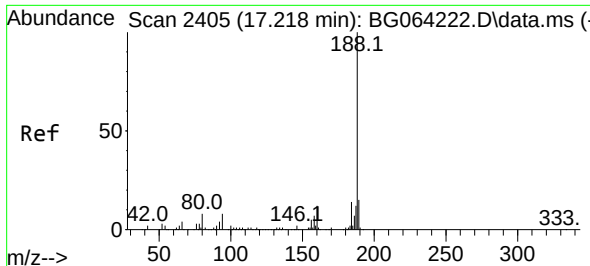
Tgt Ion:330 Resp: 146520
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 33.7 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 110.610 ng
RT: 13.088 min Scan# 1702
Delta R.T. -0.024 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

Tgt Ion:172 Resp: 356572
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.7 19.0 28.6

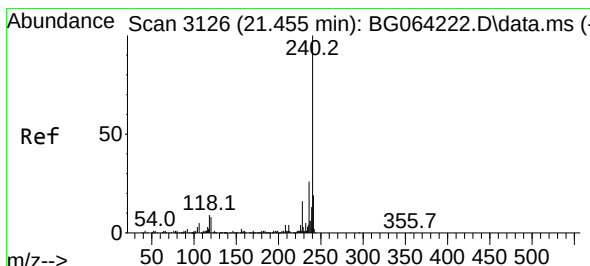
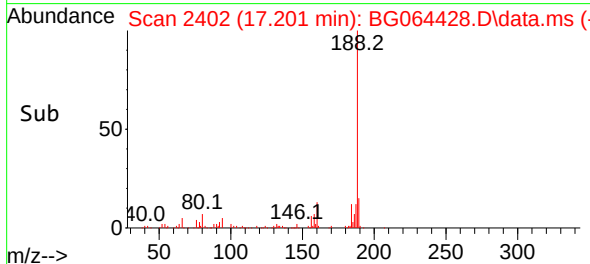
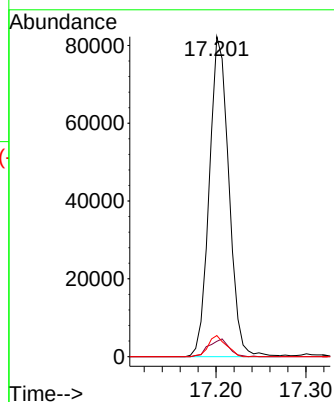
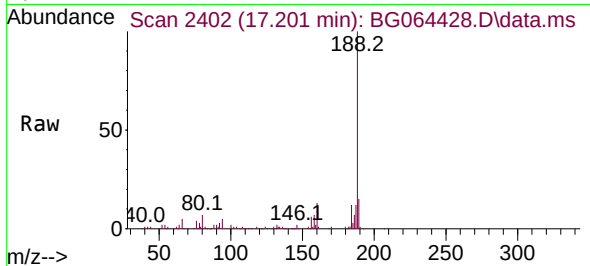




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2405
Delta R.T. -0.024 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

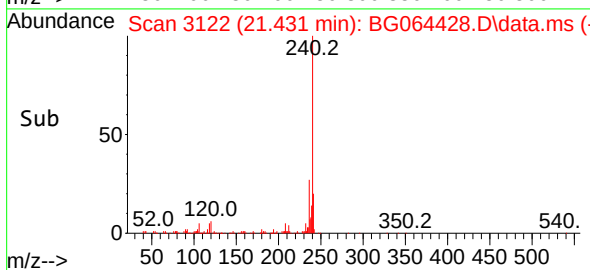
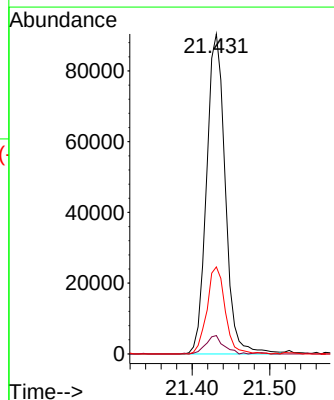
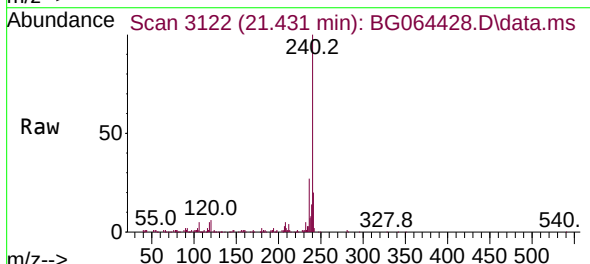
Instrument :
BNA_G
ClientSampleId :
OR-500-COMP-39

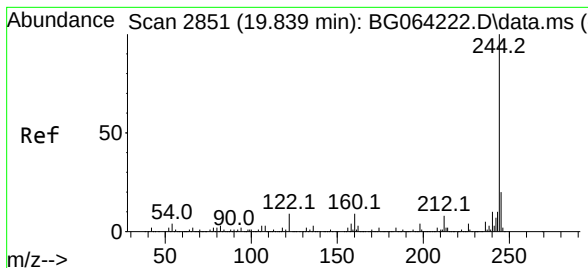
Tgt Ion:188 Resp: 124609
Ion Ratio Lower Upper
188 100
94 4.8 6.2 9.4#
80 6.6 6.8 10.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.431 min Scan# 3122
Delta R.T. -0.024 min
Lab File: BG064428.D
Acq: 22 Sep 2025 23:46

Tgt Ion:240 Resp: 150806
Ion Ratio Lower Upper
240 100
120 5.7 6.2 9.4#
236 27.2 20.5 30.7





#79

Terphenyl-d14

Concen: 121.700 ng

RT: 19.827 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG064428.D

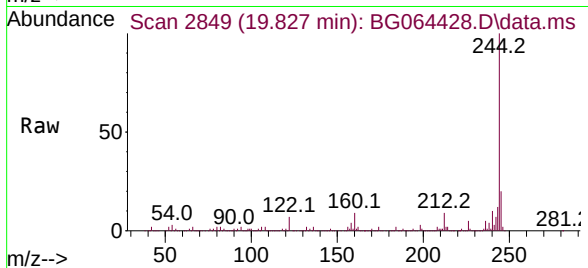
Acq: 22 Sep 2025 23:46

Instrument :

BNA_G

ClientSampleId :

OR-500-COMP-39



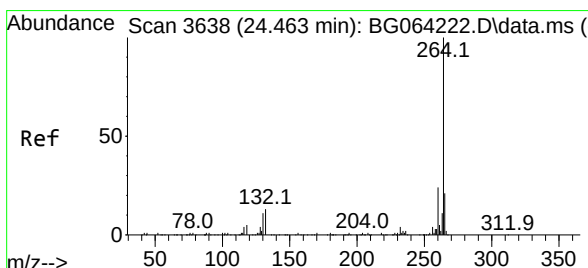
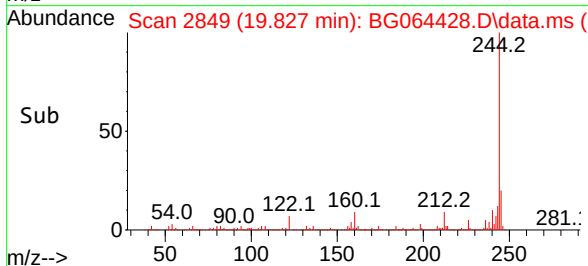
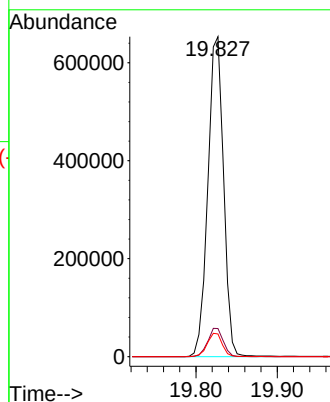
Tgt Ion:244 Resp: 879673

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

122 7.1 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.428 min Scan# 3632

Delta R.T. -0.036 min

Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

Tgt Ion:264 Resp: 162981

Ion Ratio Lower Upper

264 100

260 21.0 18.9 28.3

265 20.6 16.7 25.1

