

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064342.D
 Acq On : 10 Sep 2025 21:32
 Operator : RC/JU
 Sample : Q3059-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-06-09092025

Quant Time: Sep 11 01:19:40 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)

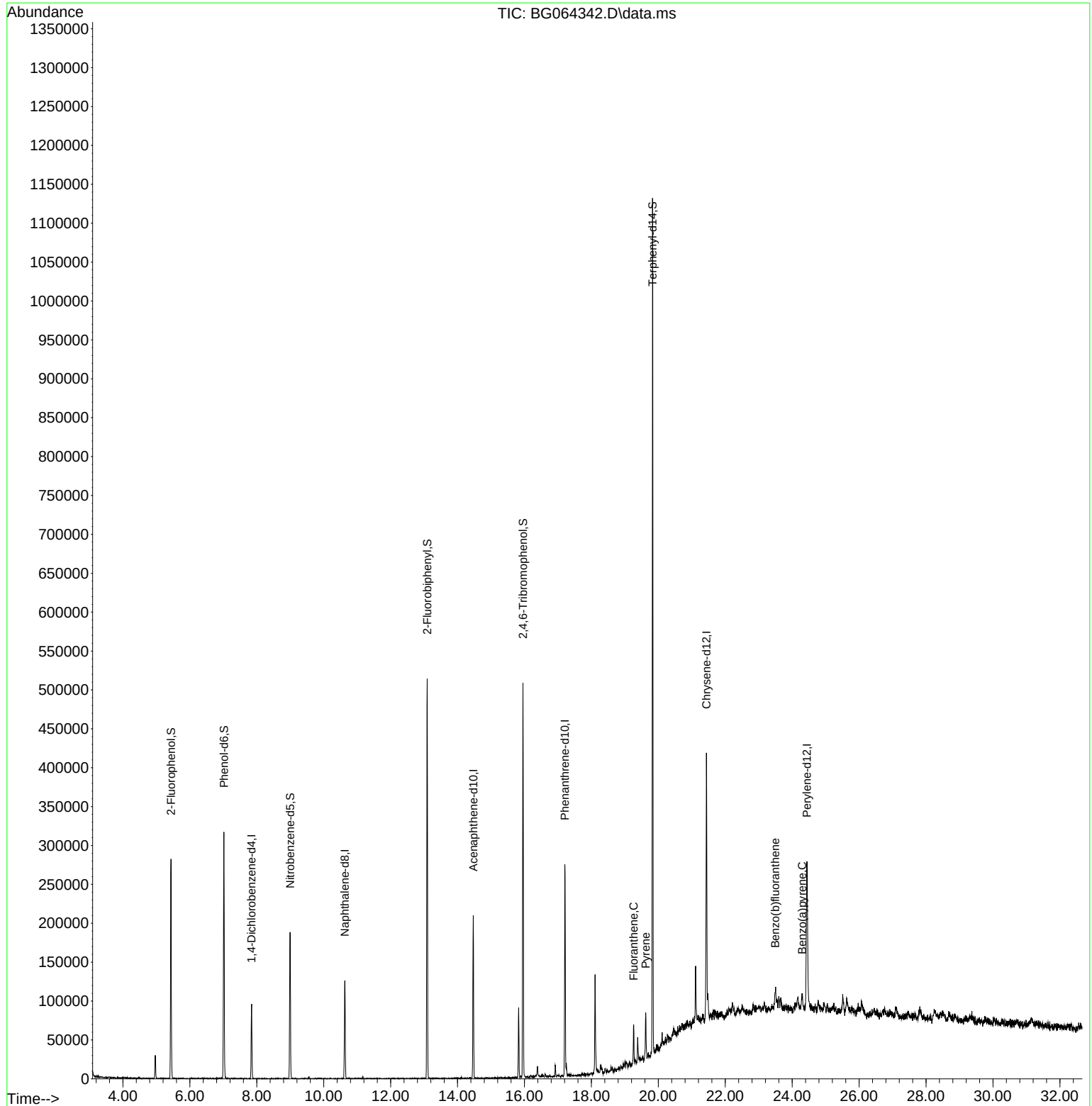
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	23046	20.000	ng	-0.02
21) Naphthalene-d8	10.633	136	95323	20.000	ng	#-0.02
39) Acenaphthene-d10	14.469	164	71045	20.000	ng	-0.01
64) Phenanthrene-d10	17.207	188	163265	20.000	ng	#-0.02
76) Chrysene-d12	21.438	240	181655	20.000	ng	#-0.02
86) Perylene-d12	24.440	264	203704	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	102664	79.922	ng	0.00
7) Phenol-d6	7.019	99	141202	80.012	ng	-0.01
23) Nitrobenzene-d5	8.999	82	99774	58.375	ng	-0.02
42) 2,4,6-Tribromophenol	15.956	330	95776	101.779	ng	-0.02
45) 2-Fluorobiphenyl	13.094	172	251612	54.057	ng	-0.02
79) Terphenyl-d14	19.828	244	498318	57.233	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	19.264	202	28213	2.786	ng	96
78) Pyrene	19.622	202	33761	2.950	ng	98
88) Benzo(b)fluoranthene	23.494	252	25166	2.189	ng	95
90) Benzo(a)pyrene	24.299	252	21451	2.006	ng	# 88

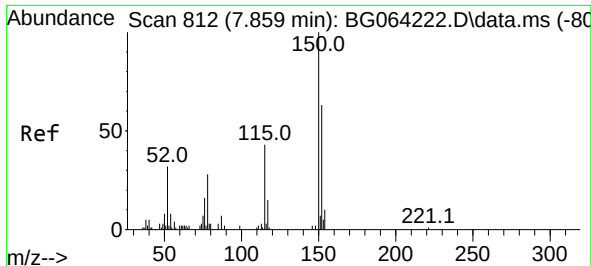
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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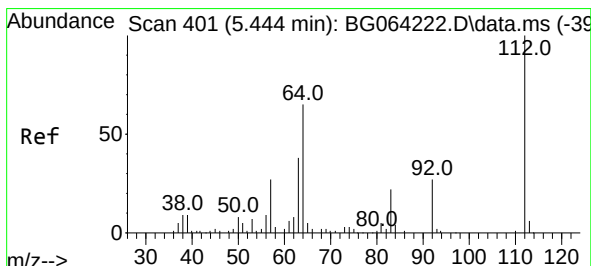
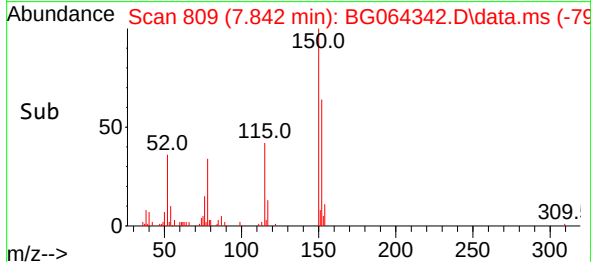
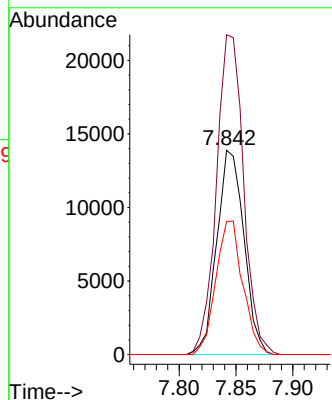
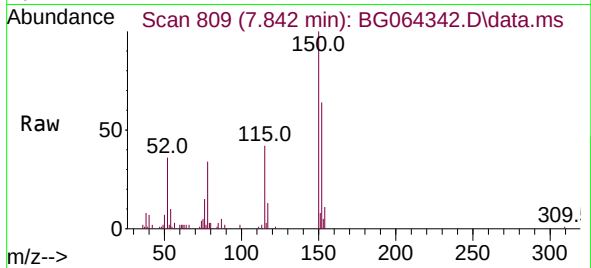




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.842 min Scan# 80
 Delta R.T. -0.017 min
 Lab File: BG064342.D
 Acq: 10 Sep 2025 21:32

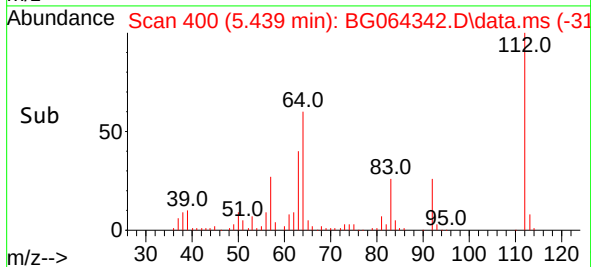
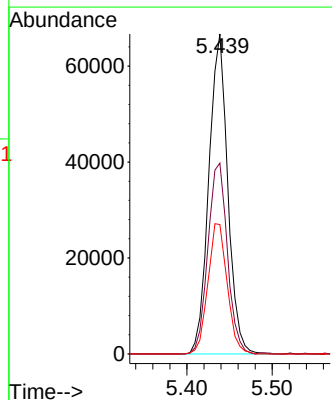
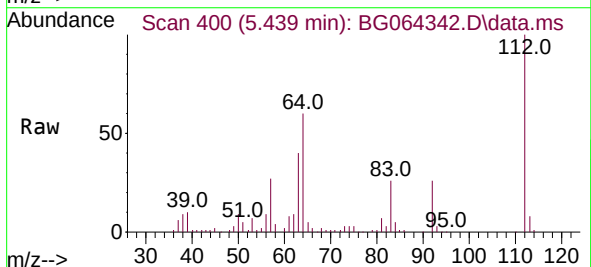
Instrument :
 BNA_G
 ClientSampleId :
 TR-06-09092025

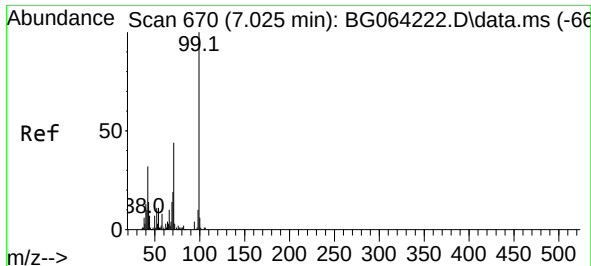
Tgt Ion:152 Resp: 23046
 Ion Ratio Lower Upper
 152 100
 150 156.5 128.0 192.0
 115 65.2 55.7 83.5



#5
 2-Fluorophenol
 Concen: 79.922 ng
 RT: 5.439 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: BG064342.D
 Acq: 10 Sep 2025 21:32

Tgt Ion:112 Resp: 102664
 Ion Ratio Lower Upper
 112 100
 64 59.6 51.8 77.6
 63 40.4 30.6 45.8

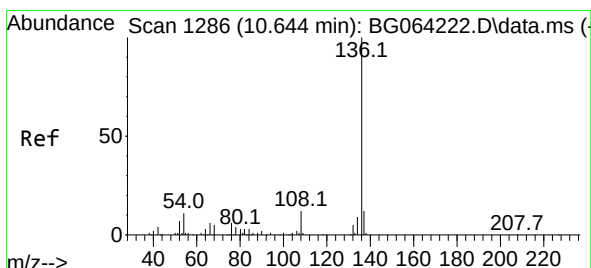
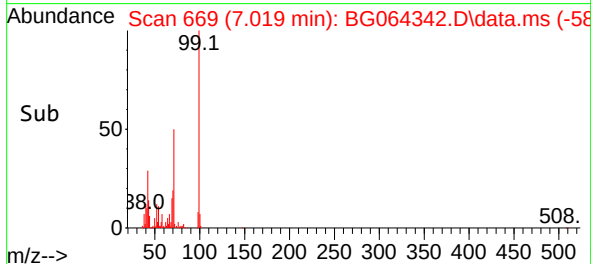
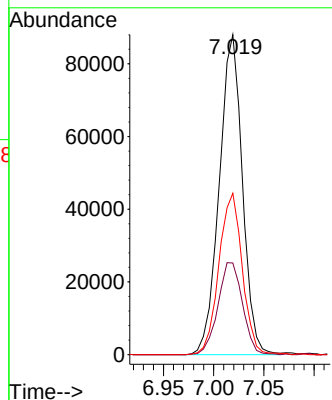
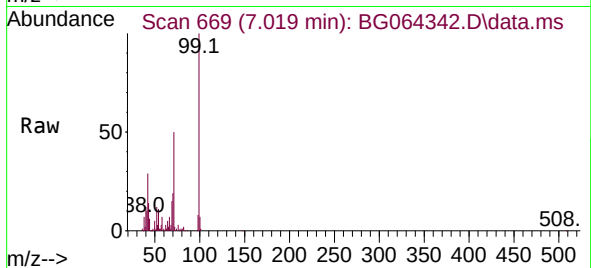




#7
Phenol-d6
Concen: 80.012 ng
RT: 7.019 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

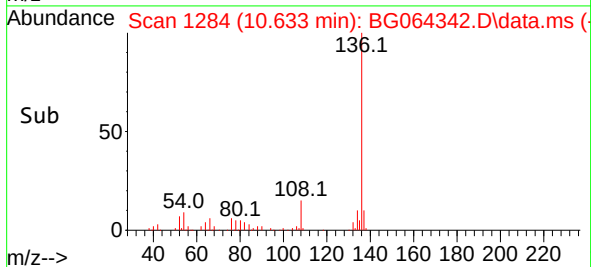
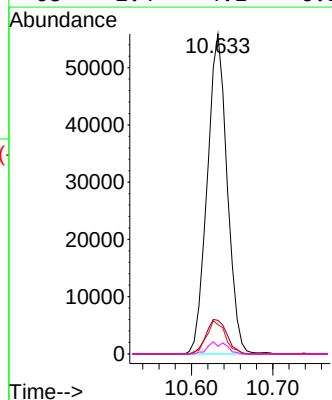
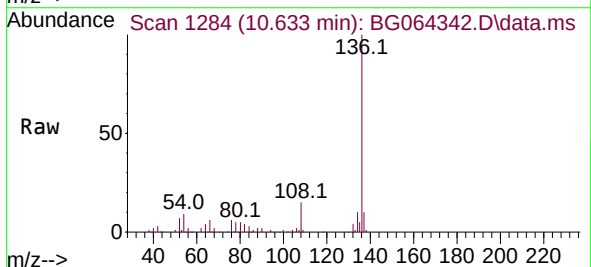
Instrument :
BNA_G
ClientSampleId :
TR-06-09092025

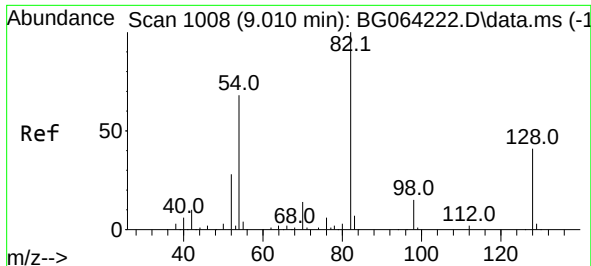
Tgt Ion: 99 Resp: 141202
Ion Ratio Lower Upper
99 100
42 28.6 25.8 38.8
71 50.4 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1284
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion: 136 Resp: 95323
Ion Ratio Lower Upper
136 100
137 10.5 9.6 14.4
54 9.2 8.8 13.2
68 2.4 4.1 6.1#

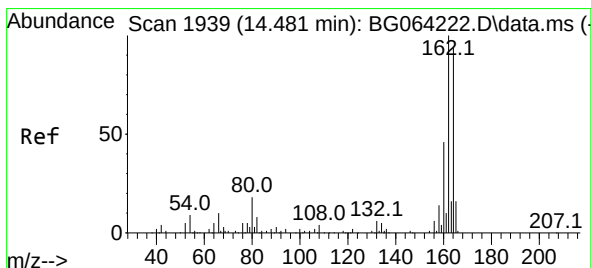
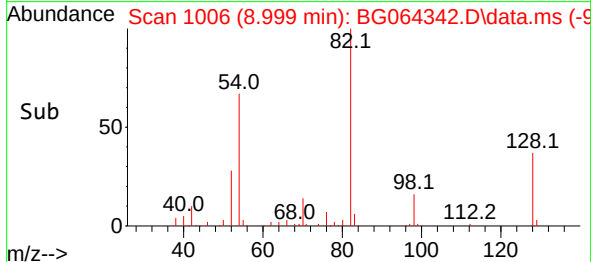
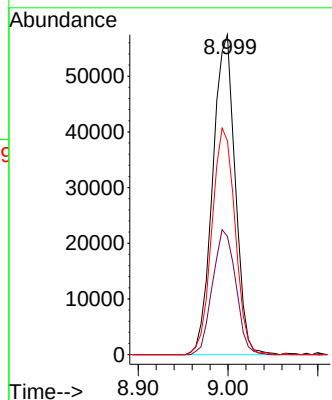
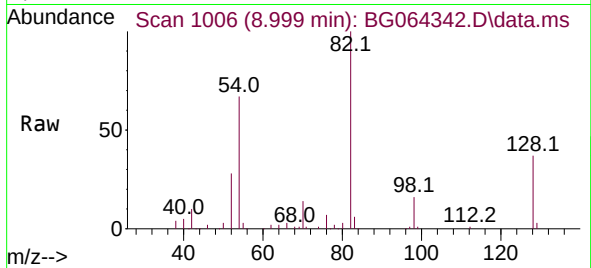




#23
Nitrobenzene-d5
Concen: 58.375 ng
RT: 8.999 min Scan# 10
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

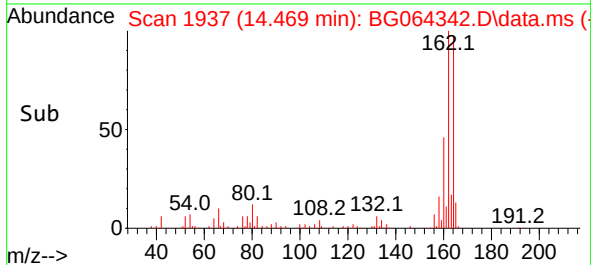
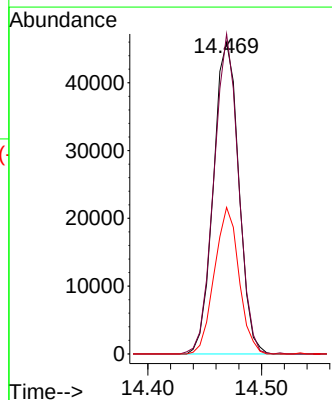
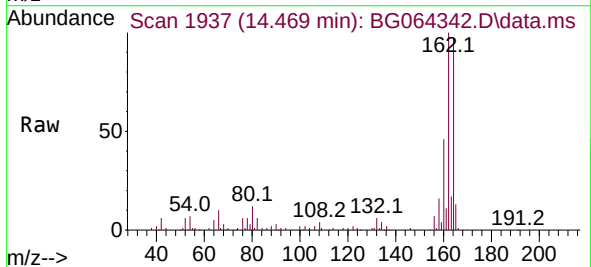
Instrument :
BNA_G
ClientSampleId :
TR-06-09092025

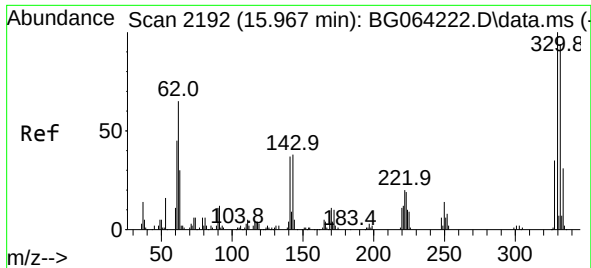
Tgt Ion: 82 Resp: 99774
Ion Ratio Lower Upper
82 100
128 37.0 32.6 48.8
54 66.8 54.7 82.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion:164 Resp: 71045
Ion Ratio Lower Upper
164 100
162 102.6 85.4 128.0
160 47.0 39.2 58.8

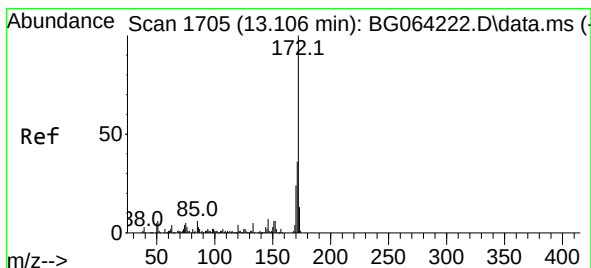
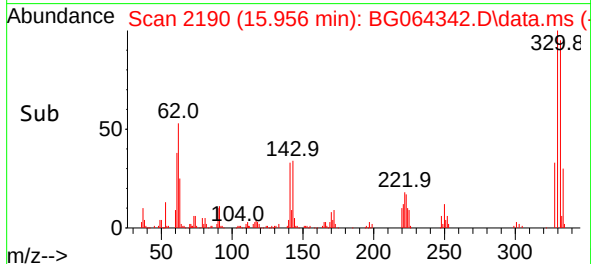
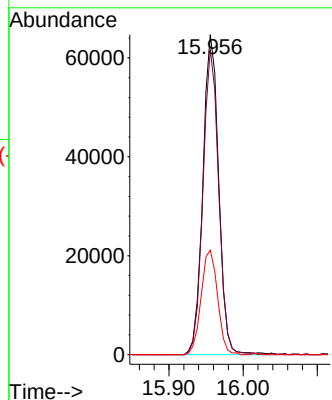
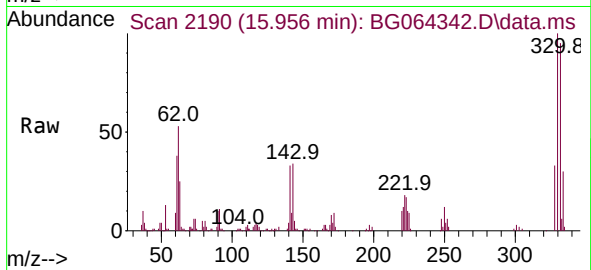




#42
2,4,6-Tribromophenol
Concen: 101.779 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

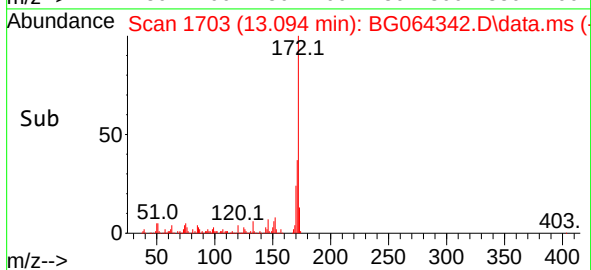
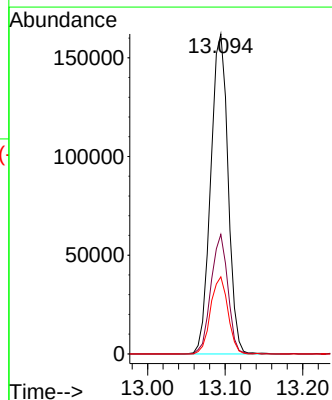
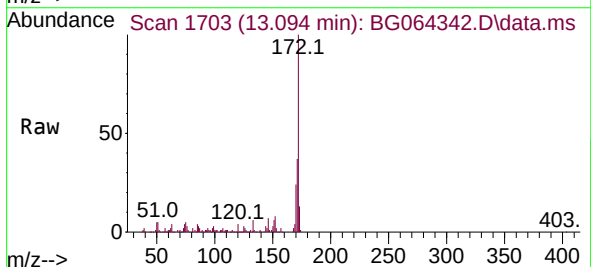
Instrument :
BNA_G
ClientSampleId :
TR-06-09092025

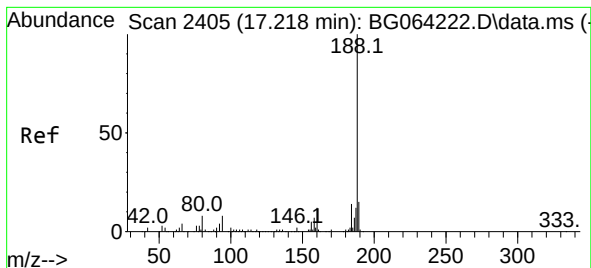
Tgt Ion:	330	Resp:	95776
Ion Ratio	Lower	Upper	
330	100		
332	94.6	77.6	116.4
141	33.8	29.8	44.6



#45
2-Fluorobiphenyl
Concen: 54.057 ng
RT: 13.094 min Scan# 1703
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion:	172	Resp:	251612
Ion Ratio	Lower	Upper	
172	100		
171	37.4	28.7	43.1
170	24.1	19.0	28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 24

Delta R.T. -0.017 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

Instrument :

BNA_G

ClientSampleId :

TR-06-09092025

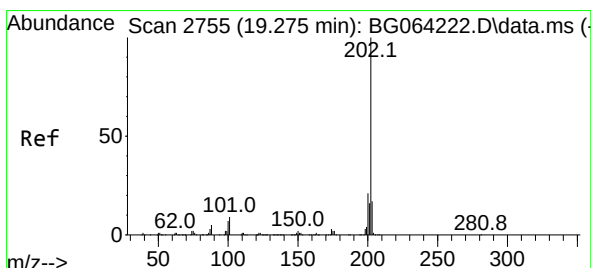
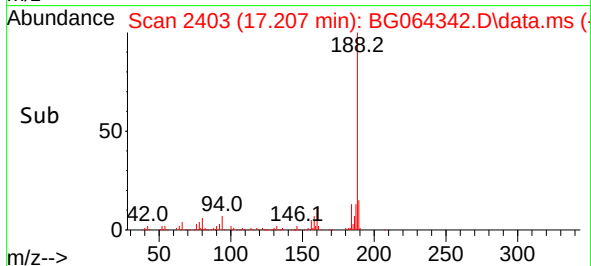
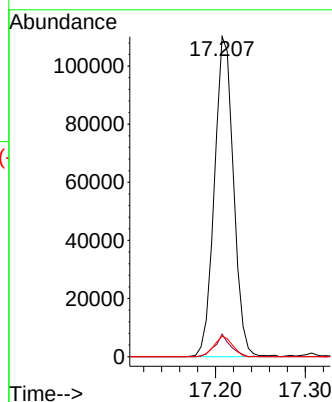
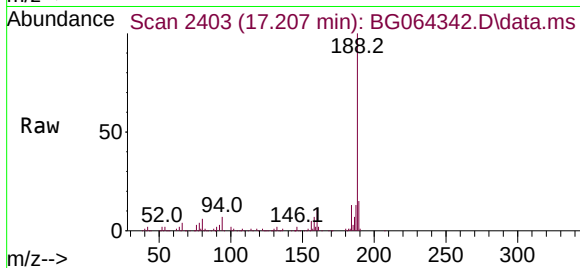
Tgt Ion:188 Resp: 163265

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

80 6.4 6.8 10.2#



#75

Fluoranthene

Concen: 2.786 ng

RT: 19.264 min Scan# 2753

Delta R.T. -0.012 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

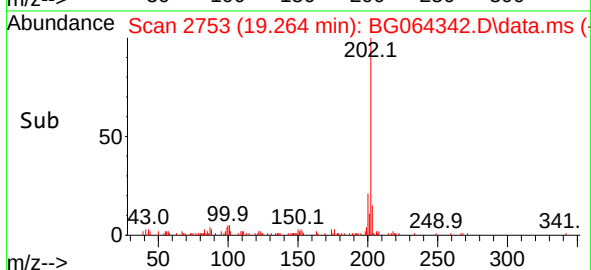
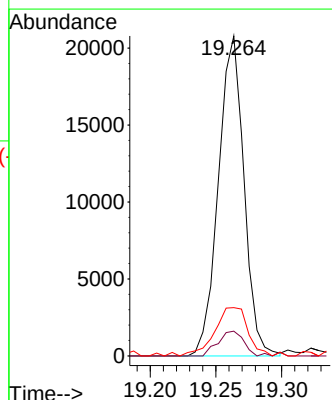
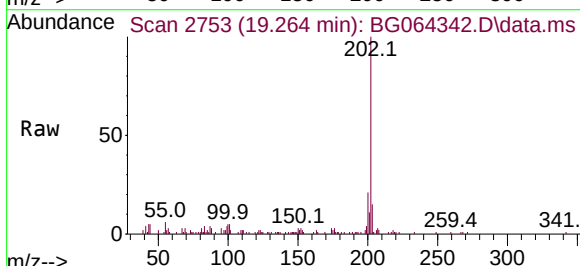
Tgt Ion:202 Resp: 28213

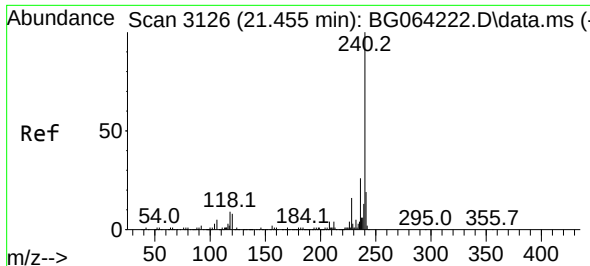
Ion Ratio Lower Upper

202 100

101 7.7 0.0 28.7

203 15.1 0.0 36.9

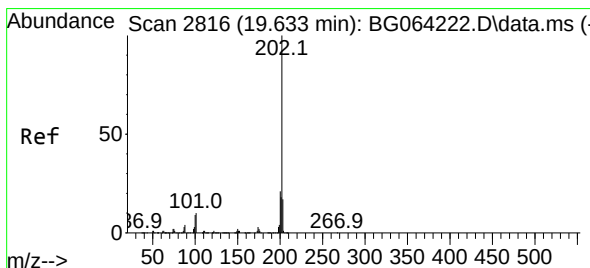
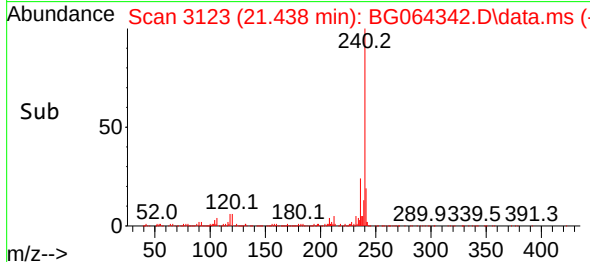
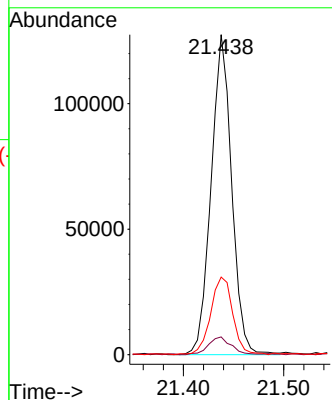
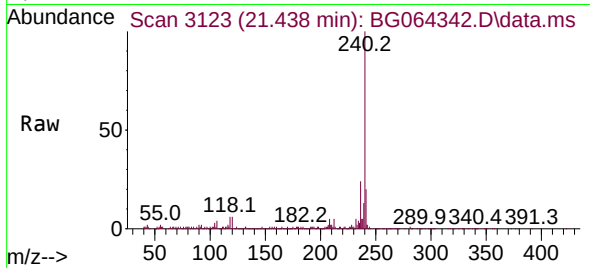




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.438 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

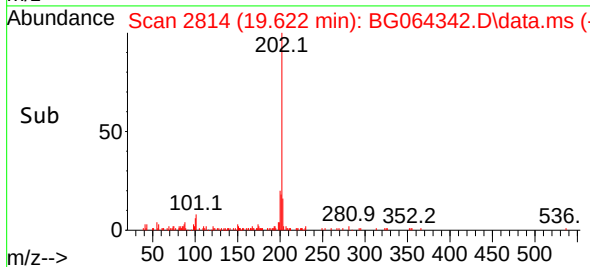
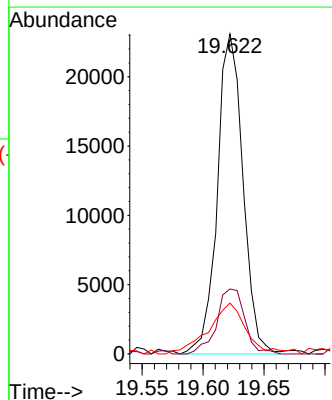
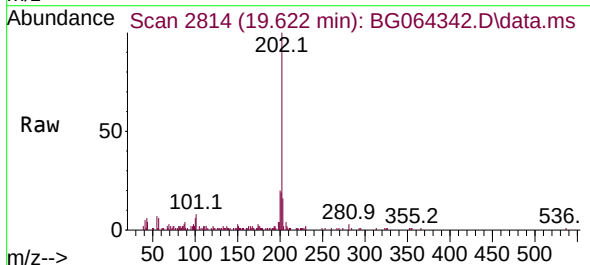
Instrument :
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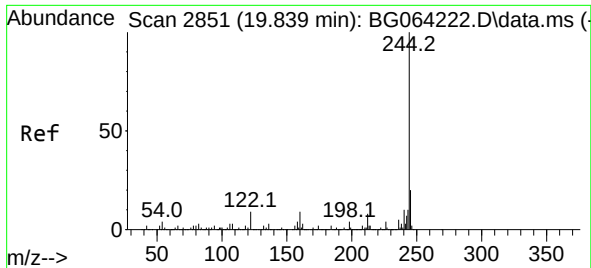
Tgt Ion:240 Resp: 181655
Ion Ratio Lower Upper
240 100
120 5.5 6.2 9.4#
236 24.2 20.5 30.7



#78
Pyrene
Concen: 2.950 ng
RT: 19.622 min Scan# 2814
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion:202 Resp: 33761
Ion Ratio Lower Upper
202 100
200 20.3 16.9 25.3
203 15.9 13.8 20.8

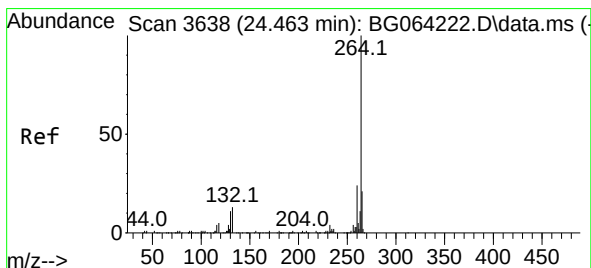
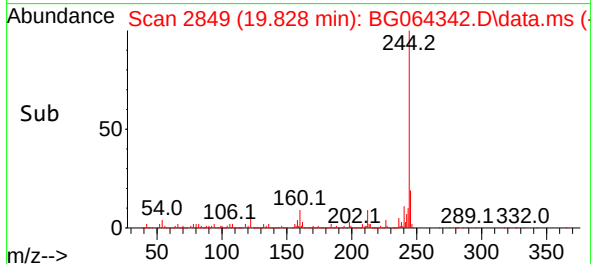
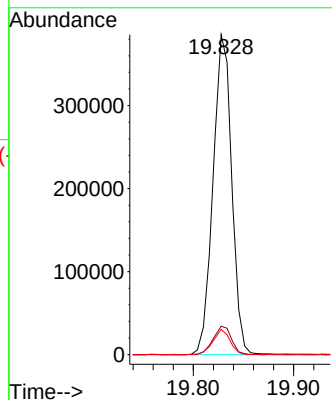
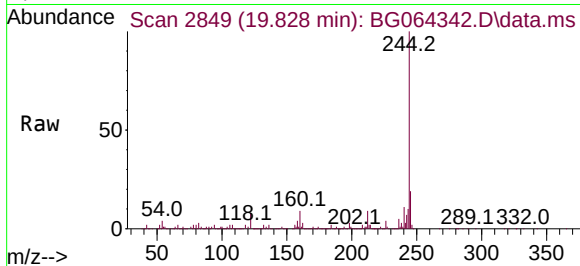




#79
 Terphenyl-d14
 Concen: 57.233 ng
 RT: 19.828 min Scan# 2849
 Delta R.T. -0.017 min
 Lab File: BG064342.D
 Acq: 10 Sep 2025 21:32

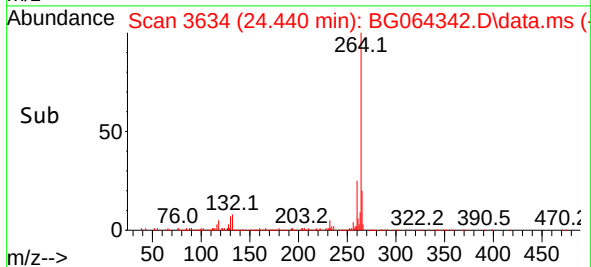
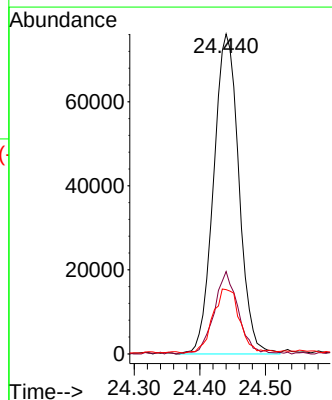
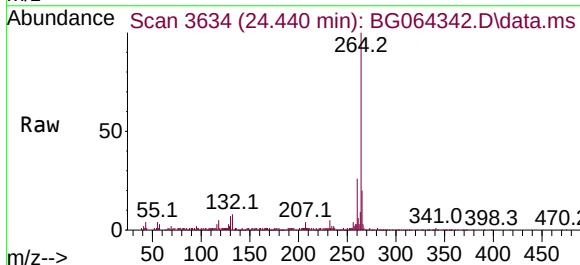
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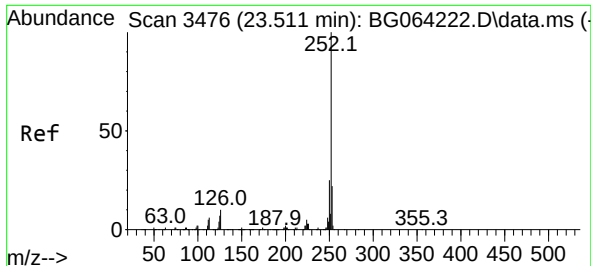
Tgt Ion:244 Resp: 498318
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.6 10.0
 122 7.9 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.440 min Scan# 3634
 Delta R.T. -0.023 min
 Lab File: BG064342.D
 Acq: 10 Sep 2025 21:32

Tgt Ion:264 Resp: 203704
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.9 28.3
 265 20.1 16.7 25.1

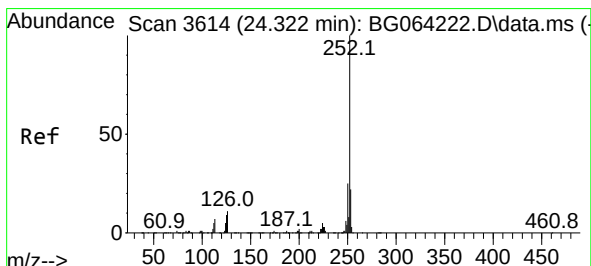
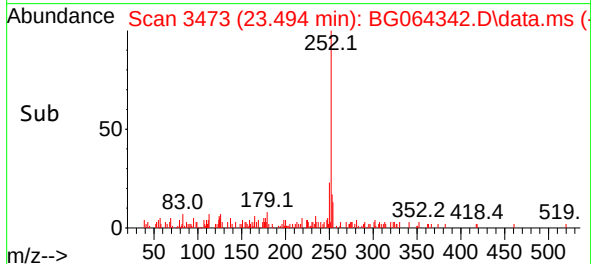
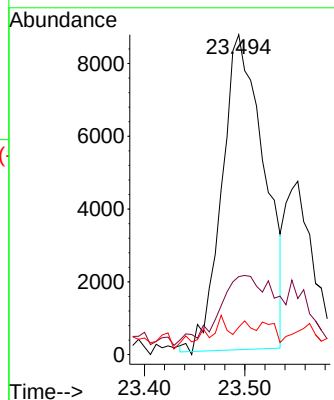
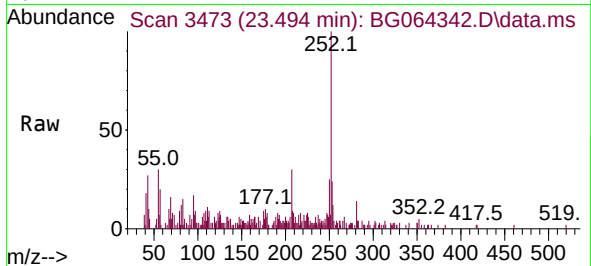




#88
Benzo(b)fluoranthene
Concen: 2.189 ng
RT: 23.494 min Scan# 3476
Delta R.T. -0.023 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Instrument :
BNA_G
ClientSampleId :
TR-06-09092025

Tgt Ion:	252	Resp:	25166
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.5	26.3
125	8.6	5.9	8.9



#90
Benzo(a)pyrene
Concen: 2.006 ng
RT: 24.299 min Scan# 3610
Delta R.T. -0.029 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion:	252	Resp:	21451
Ion Ratio	Lower	Upper	
252	100		
253	29.2	17.4	26.2#
125	10.3	7.0	10.6

