

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
 Data File : BG064923.D
 Acq On : 10 Dec 2025 16:30
 Operator : RC/JU
 Sample : Q3814-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Quant Time: Dec 10 17:15:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

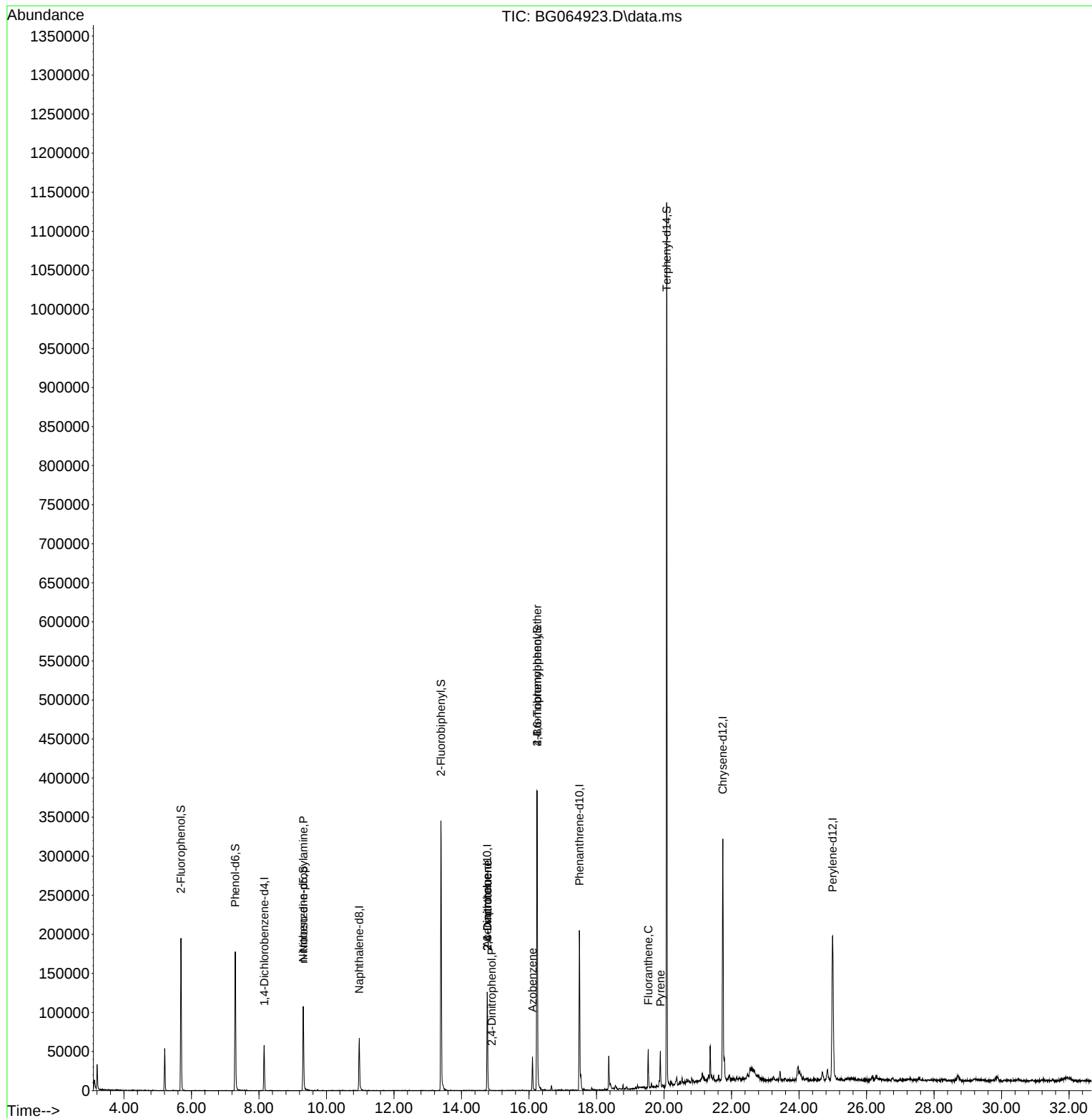
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	16878	20.000	ng	0.00
21) Naphthalene-d8	10.972	136	61672	20.000	ng	#-0.02
39) Acenaphthene-d10	14.762	164	53643	20.000	ng	-0.02
64) Phenanthrene-d10	17.494	188	151083	20.000	ng	# 0.00
76) Chrysene-d12	21.742	240	217494	20.000	ng	#-0.02
86) Perylene-d12	24.991	264	238359	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	78319	81.030	ng	0.00
7) Phenol-d6	7.300	99	98940	76.963	ng	0.00
23) Nitrobenzene-d5	9.309	82	64589	51.781	ng	-0.02
42) 2,4,6-Tribromophenol	16.242	330	111318	106.402	ng	0.00
45) 2-Fluorobiphenyl	13.393	172	205459	53.443	ng	-0.02
79) Terphenyl-d14	20.079	244	623391	56.382	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.315	70	8778	10.099	ng	# 70
51) 2,6-Dinitrotoluene	14.767	165	6891	8.451	ng	# 21
54) 2,4-Dinitrophenol	14.897	184	58	8.677	ng	# 20
57) 2,4-Dinitrotoluene	14.767	165	6891	5.637	ng	# 24
63) Azobenzene	16.101	77	12843	3.804	ng	# 1
67) 4-Bromophenyl-phenylether	16.242	248	6580	3.316	ng	# 3
75) Fluoranthene	19.532	202	35389	3.131	ng	97
78) Pyrene	19.891	202	33446	2.744	ng	98

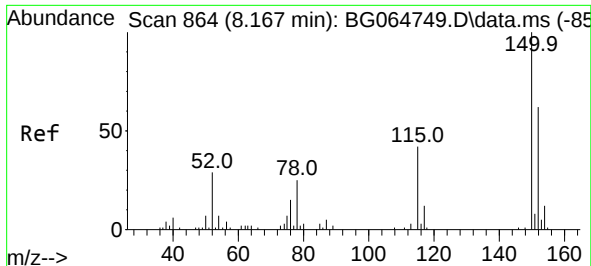
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
Data File : BG064923.D
Acq On : 10 Dec 2025 16:30
Operator : RC/JU
Sample : Q3814-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-8

Quant Time: Dec 10 17:15:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

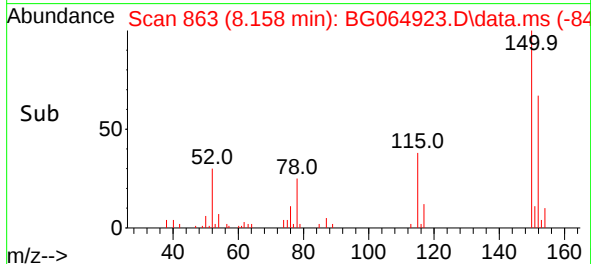
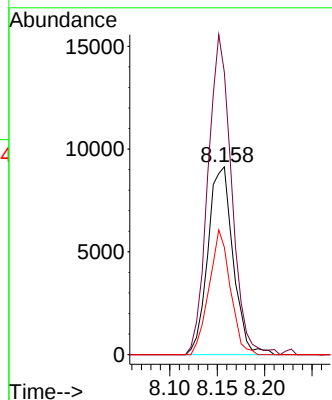
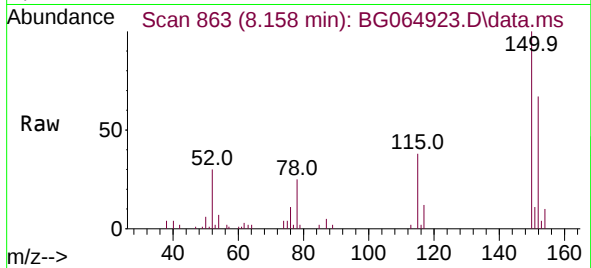




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.158 min Scan# 864
Delta R.T. -0.009 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

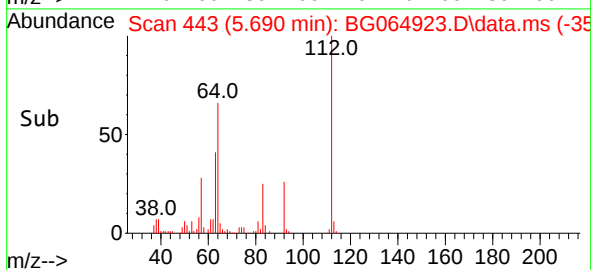
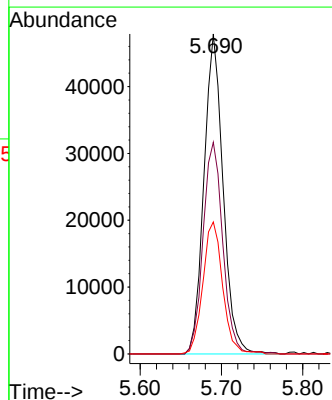
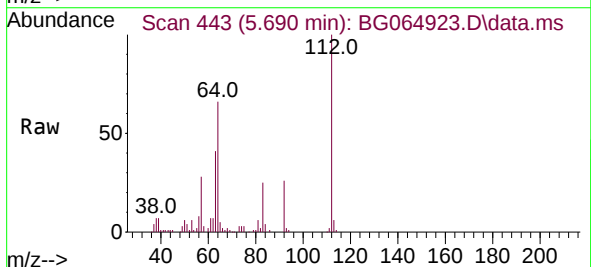
Instrument :
BNA_G
ClientSampleId :
TP-8

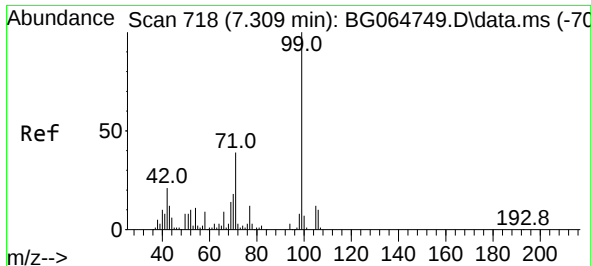
Tgt Ion:152 Resp: 16878
Ion Ratio Lower Upper
152 100
150 150.3 129.2 193.8
115 57.1 53.7 80.5



#5
2-Fluorophenol
Concen: 81.030 ng
RT: 5.690 min Scan# 443
Delta R.T. -0.010 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion:112 Resp: 78319
Ion Ratio Lower Upper
112 100
64 66.1 61.0 91.4
63 41.2 33.3 49.9

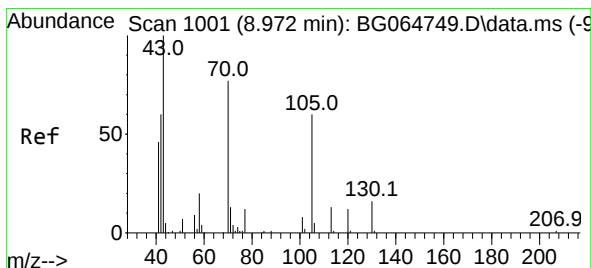
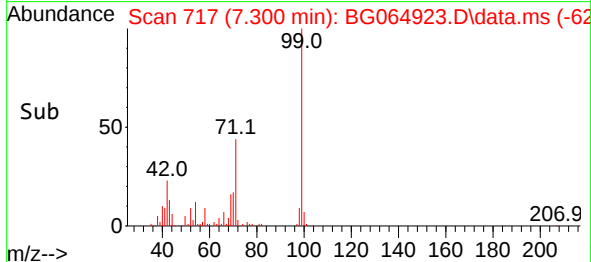
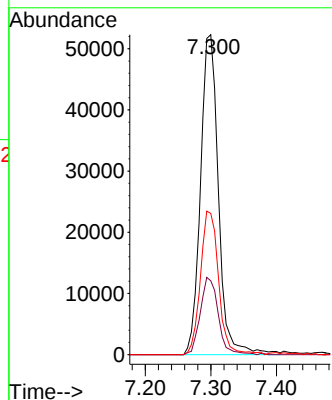
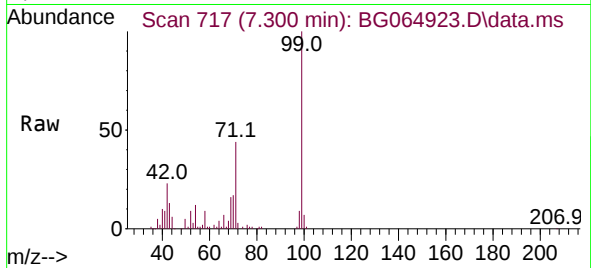




#7
Phenol-d6
Concen: 76.963 ng
RT: 7.300 min Scan# 71
Delta R.T. -0.010 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

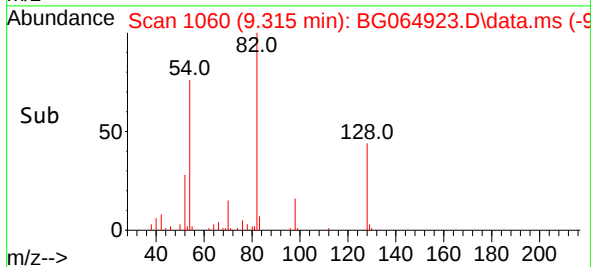
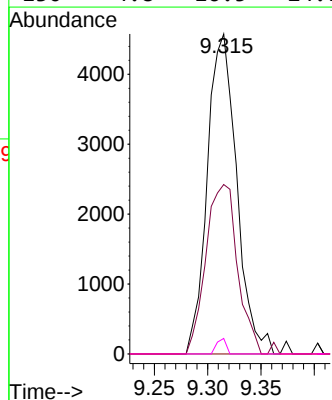
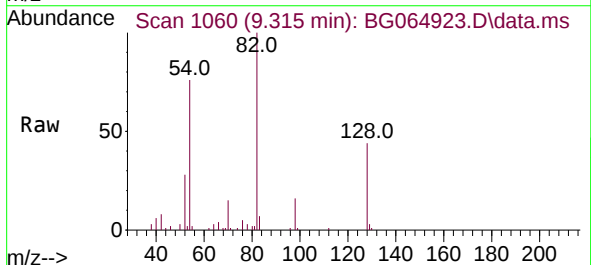
Instrument :
BNA_G
ClientSampleId :
TP-8

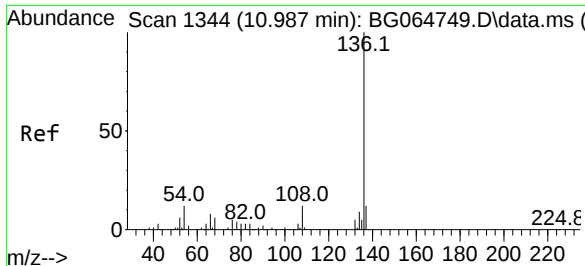
Tgt Ion:	99	Resp:	98940
Ion	Ratio	Lower	Upper
99	100		
42	23.1	16.8	25.2
71	44.1	31.1	46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.099 ng
RT: 9.315 min Scan# 1060
Delta R.T. 0.343 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion:	70	Resp:	8778
Ion	Ratio	Lower	Upper
70	100		
42	52.9	62.6	93.8#
101	0.0	8.0	12.0#
130	4.8	16.5	24.7#

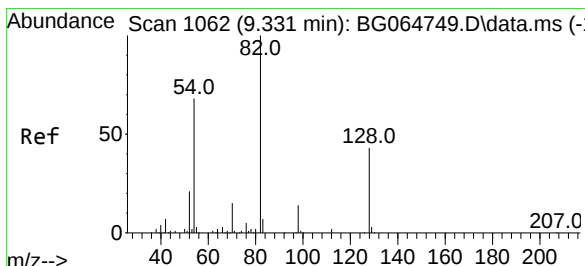
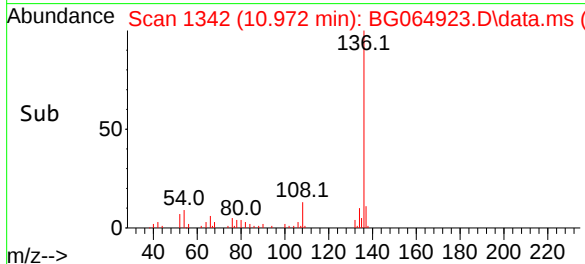
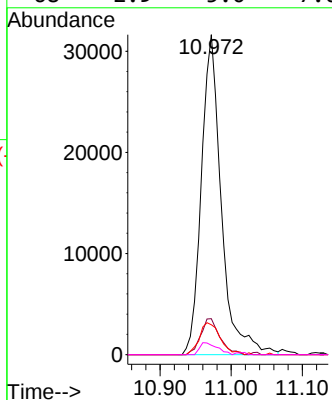
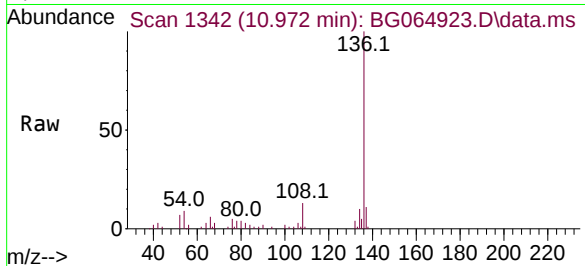




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.972 min Scan# 1344
Delta R.T. -0.015 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

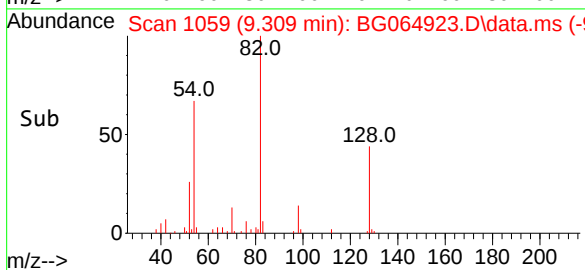
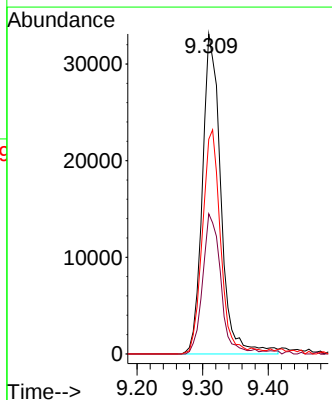
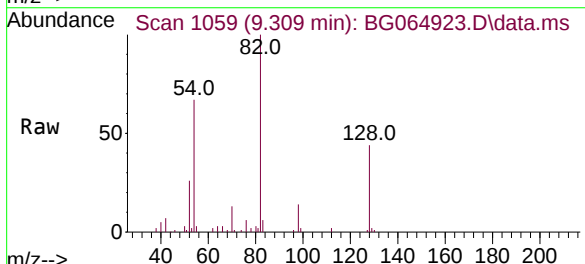
Instrument :
BNA_G
ClientSampleId :
TP-8

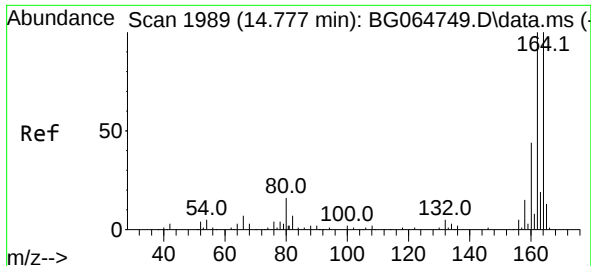
Tgt Ion:	136	Resp:	61672
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.3	13.9
54	9.3	9.3	13.9
68	2.9	5.0	7.6



#23
Nitrobenzene-d5
Concen: 51.781 ng
RT: 9.309 min Scan# 1059
Delta R.T. -0.021 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion:	82	Resp:	64589
Ion Ratio	Lower	Upper	
82	100		
128	43.8	34.1	51.1
54	67.1	54.3	81.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.762 min Scan# 19

Delta R.T. -0.016 min

Lab File: BG064923.D

Acq: 10 Dec 2025 16:30

Instrument :

BNA_G

ClientSampleId :

TP-8

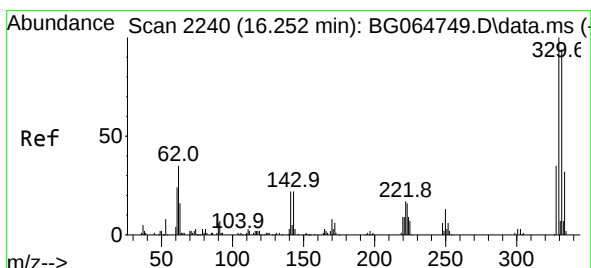
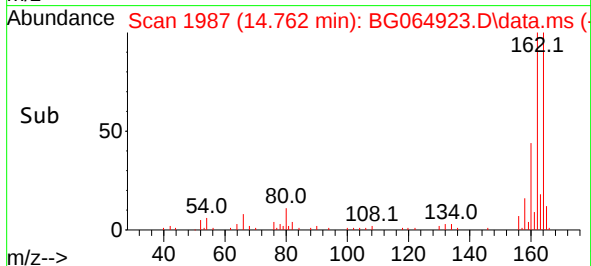
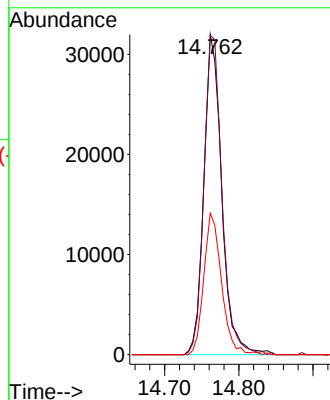
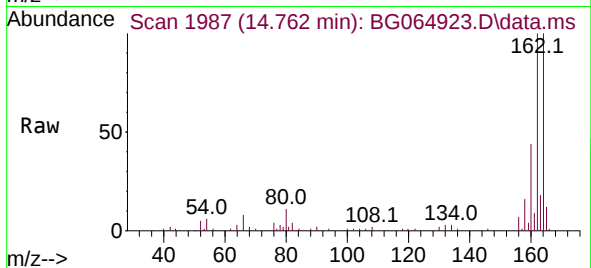
Tgt Ion:164 Resp: 53643

Ion Ratio Lower Upper

164 100

162 99.8 79.8 119.6

160 44.3 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 106.402 ng

RT: 16.242 min Scan# 2239

Delta R.T. -0.010 min

Lab File: BG064923.D

Acq: 10 Dec 2025 16:30

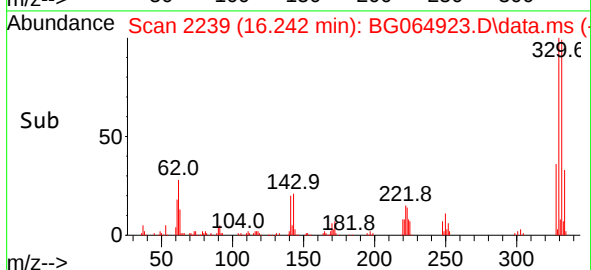
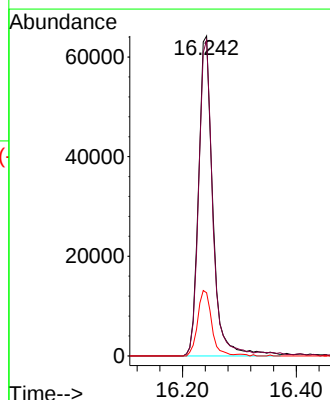
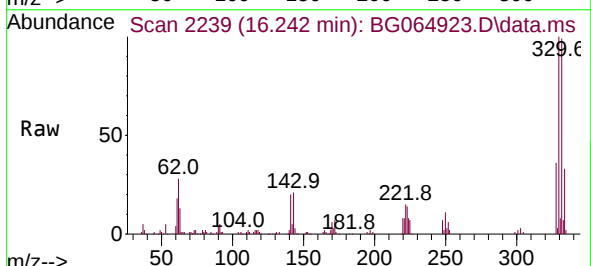
Tgt Ion:330 Resp: 111318

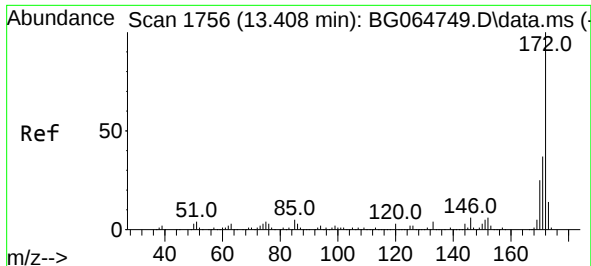
Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

141 19.9 18.2 27.2

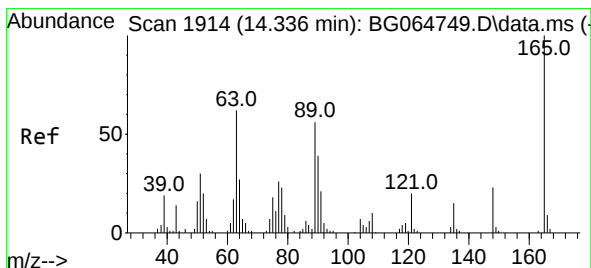
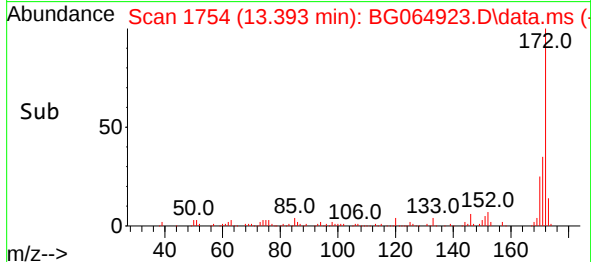
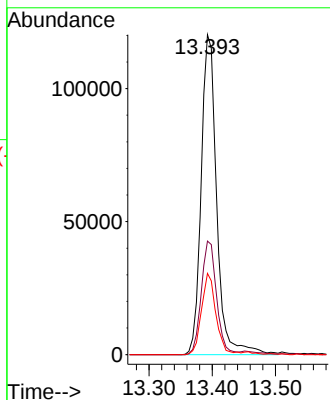
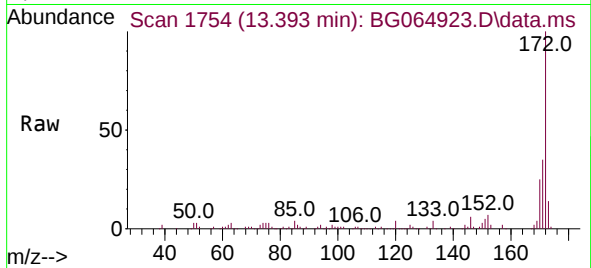




#45
2-Fluorobiphenyl
Concen: 53.443 ng
RT: 13.393 min Scan# 1754
Delta R.T. -0.016 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

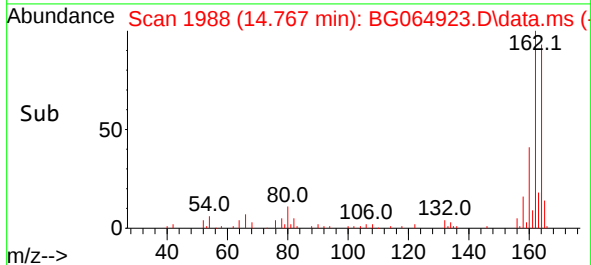
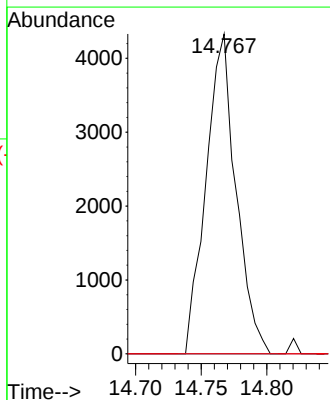
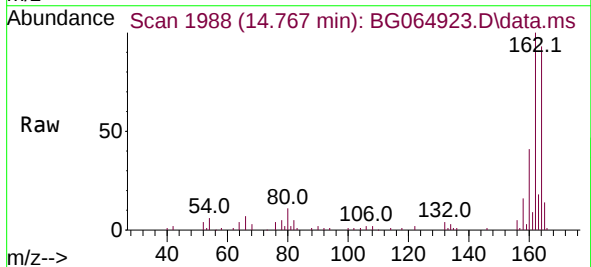
Instrument :
BNA_G
ClientSampleId :
TP-8

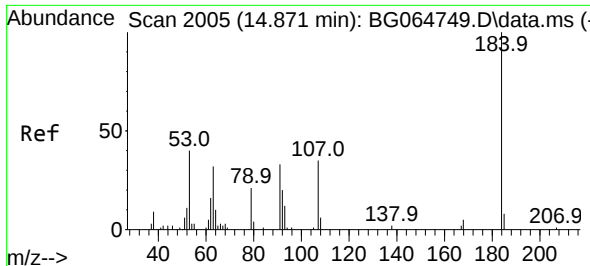
Tgt Ion:172 Resp: 205459
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 25.4 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.451 ng
RT: 14.767 min Scan# 1988
Delta R.T. 0.431 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion:165 Resp: 6891
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

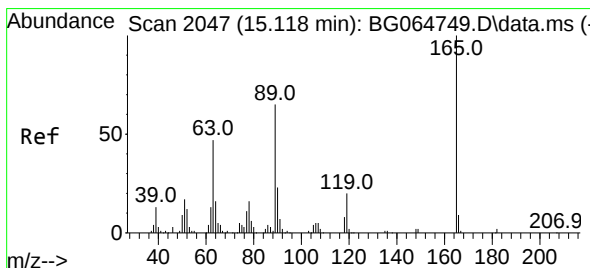
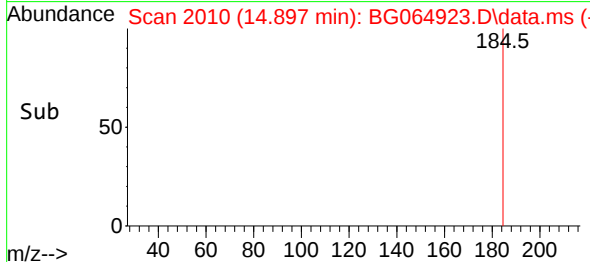
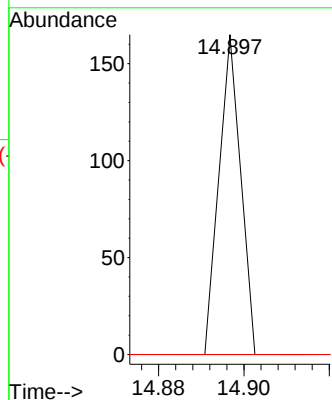
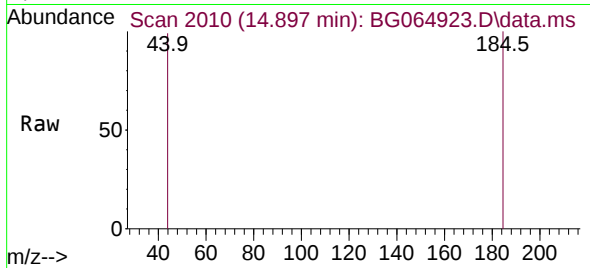




#54
2,4-Dinitrophenol
Concen: 8.677 ng
RT: 14.897 min Scan# 20
Delta R.T. 0.026 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

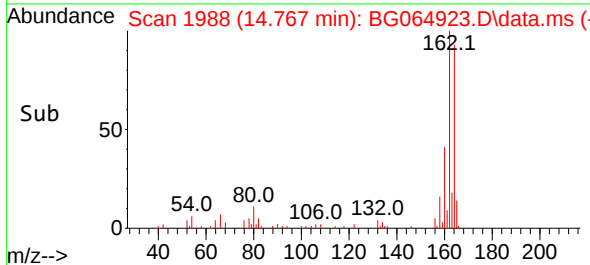
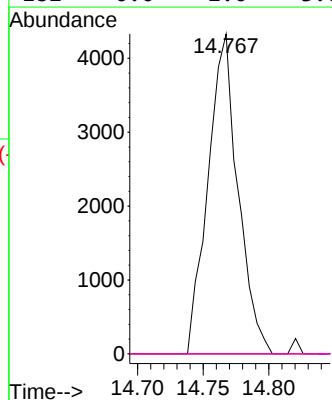
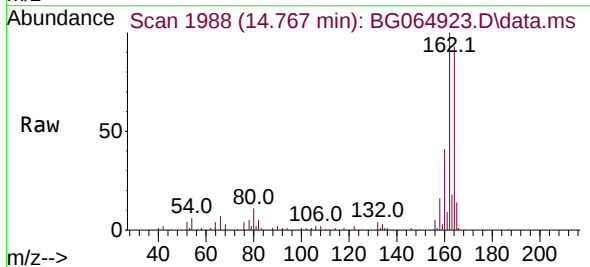
Instrument :
BNA_G
ClientSampleId :
TP-8

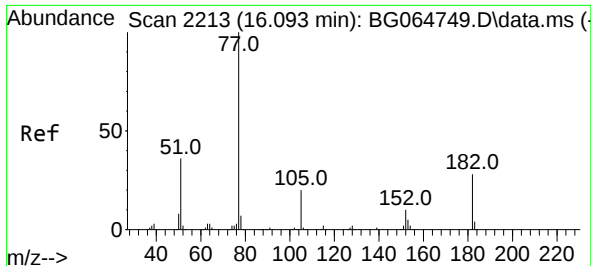
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	45.8	68.6#
154	0.0	52.6	78.8#



#57
2,4-Dinitrotoluene
Concen: 5.637 ng
RT: 14.767 min Scan# 1988
Delta R.T. -0.350 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.8	56.6#
89	0.0	51.6	77.4#
182	0.0	2.0	3.0#

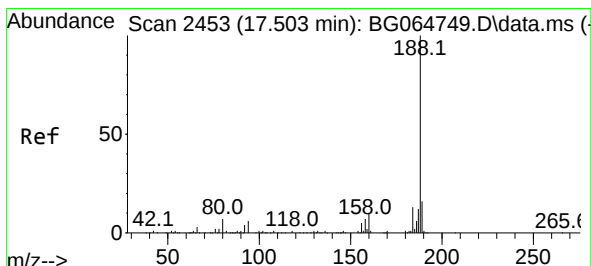
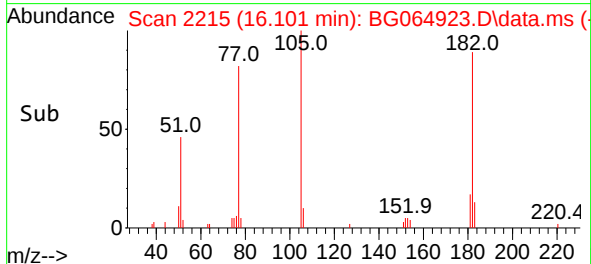
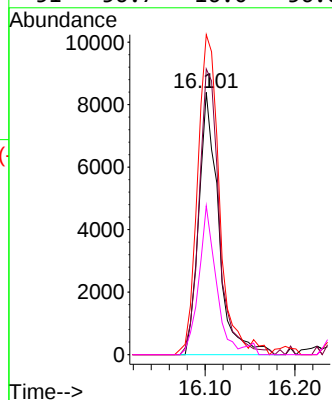
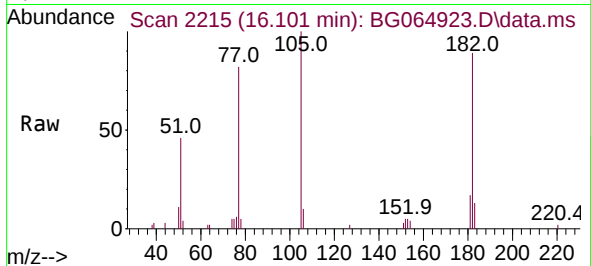




#63
Azobenzene
Concen: 3.804 ng
RT: 16.101 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

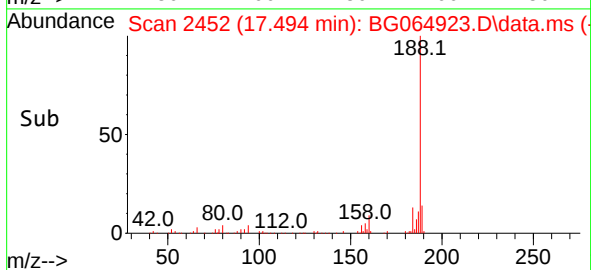
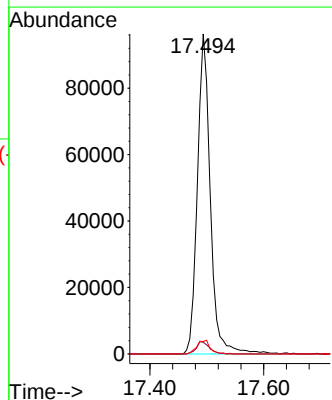
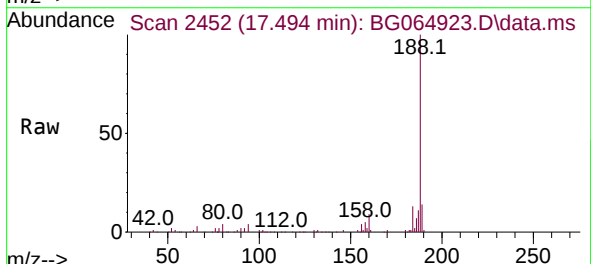
Instrument :
BNA_G
ClientSampleId :
TP-8

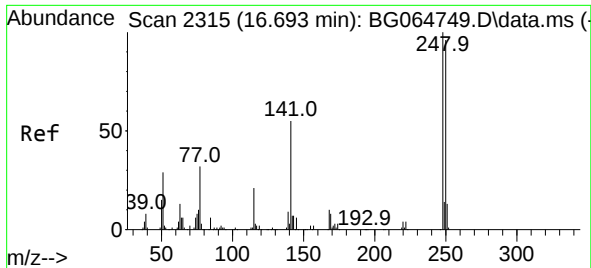
Tgt Ion: 77	Resp: 12843
Ion Ratio	Lower Upper
77 100	
182 108.9	8.1 48.1#
105 122.0	0.1 40.1#
51 56.7	16.0 56.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.494 min Scan# 2452
Delta R.T. -0.010 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion: 188	Resp: 151083
Ion Ratio	Lower Upper
188 100	
94 3.6	4.7 7.1#
80 3.9	5.4 8.2#

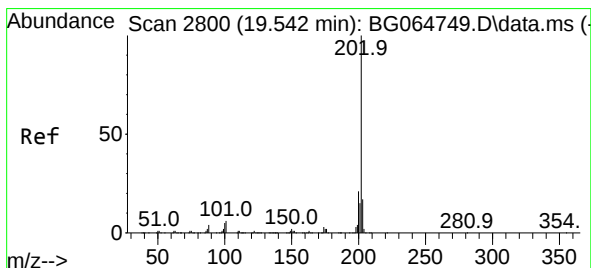
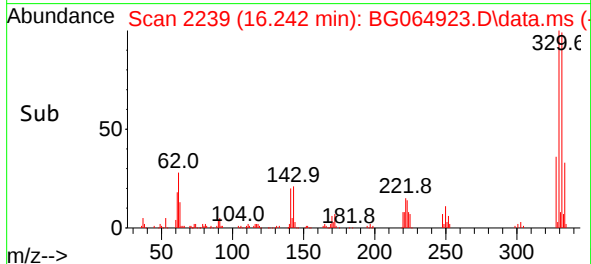
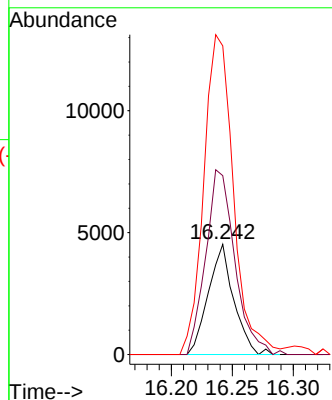
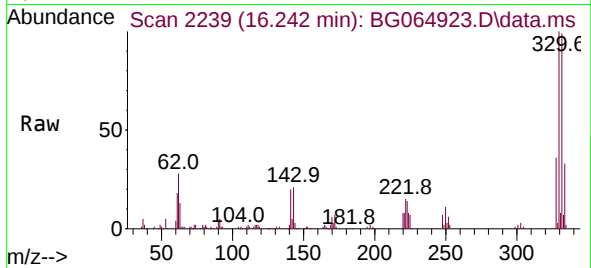




#67
4-Bromophenyl-phenylether
Concen: 3.316 ng
RT: 16.242 min Scan# 21
Delta R.T. -0.450 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

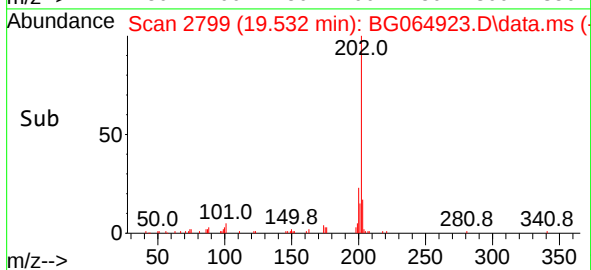
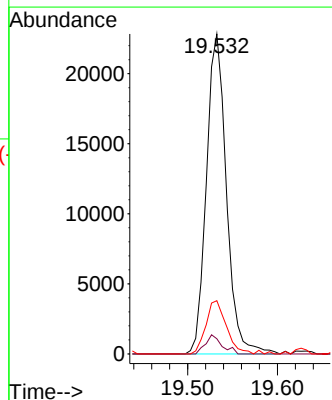
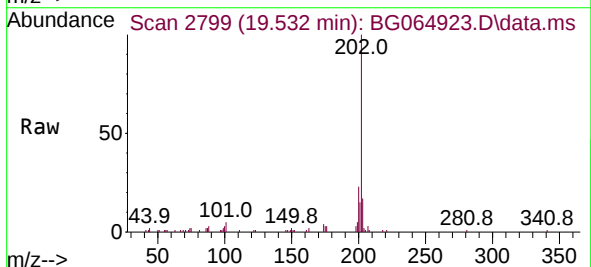
Instrument :
BNA_G
ClientSampleId :
TP-8

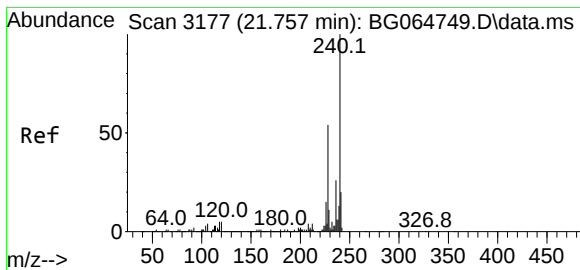
Tgt Ion:248 Resp: 6580
Ion Ratio Lower Upper
248 100
250 123.5 77.0 115.6#
141 213.1 43.7 65.5#



#75
Fluoranthene
Concen: 3.131 ng
RT: 19.532 min Scan# 2799
Delta R.T. -0.010 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion:202 Resp: 35389
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.4
203 16.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.742 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG064923.D

Acq: 10 Dec 2025 16:30

Instrument :

BNA_G

ClientSampleId :

TP-8

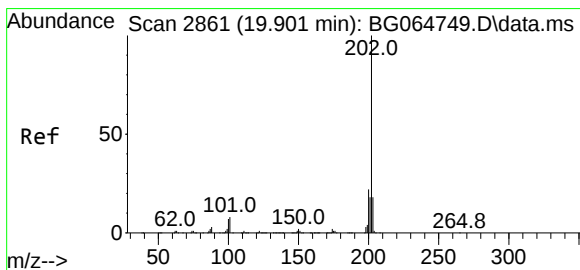
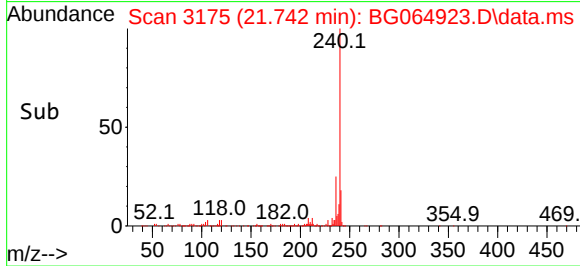
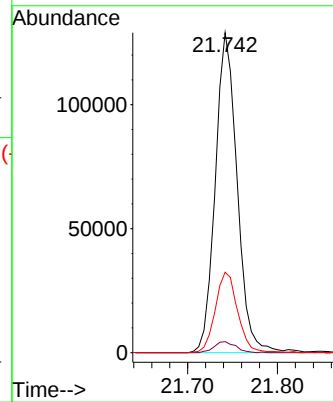
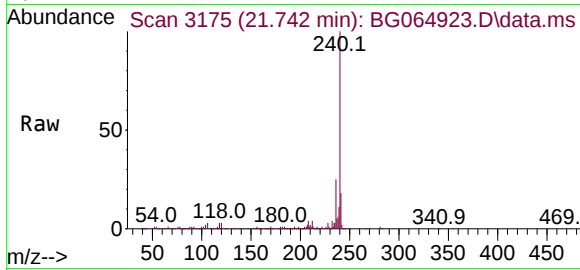
Tgt Ion:240 Resp: 217494

Ion Ratio Lower Upper

240 100

120 3.4 4.2 6.4#

236 25.1 20.8 31.2



#78

Pyrene

Concen: 2.744 ng

RT: 19.891 min Scan# 2860

Delta R.T. -0.010 min

Lab File: BG064923.D

Acq: 10 Dec 2025 16:30

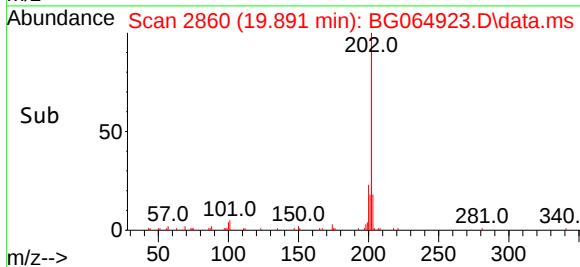
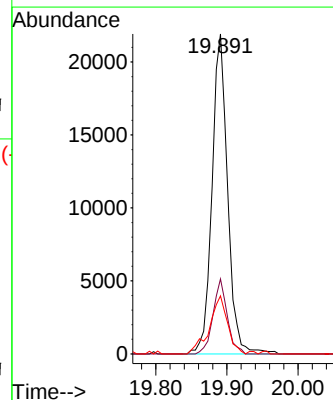
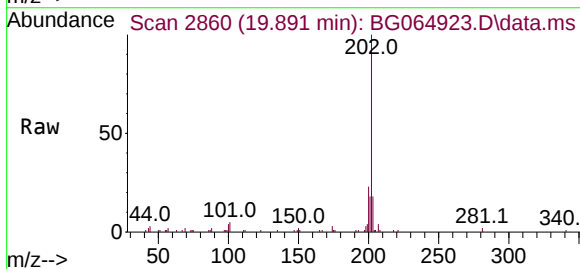
Tgt Ion:202 Resp: 33446

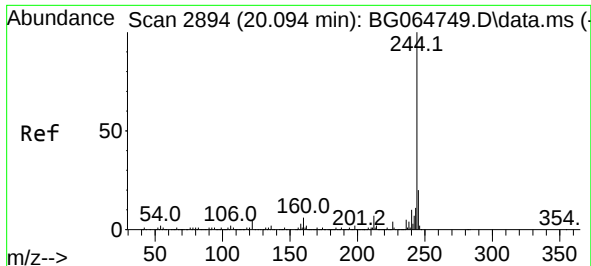
Ion Ratio Lower Upper

202 100

200 23.4 17.9 26.9

203 18.1 14.0 21.0

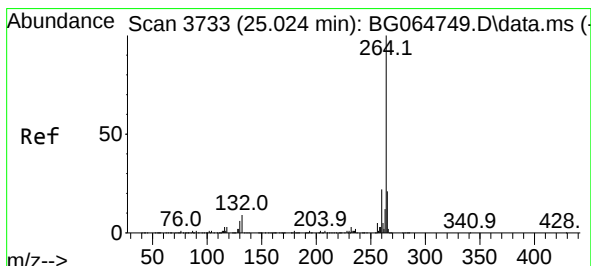
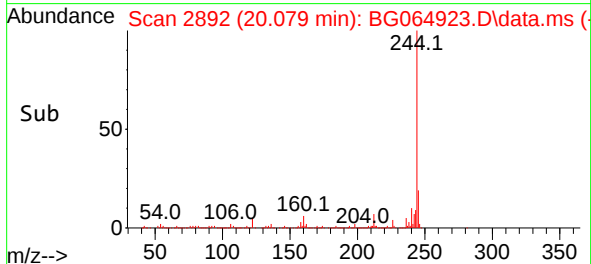
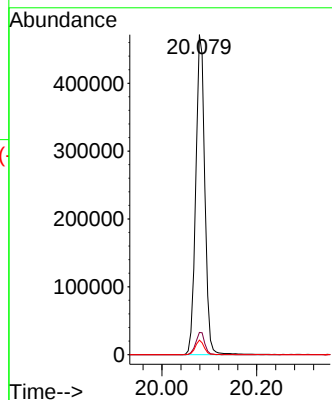
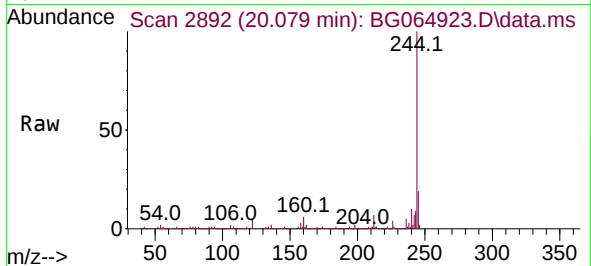




#79
Terphenyl-d14
Concen: 56.382 ng
RT: 20.079 min Scan# 2892
Delta R.T. -0.016 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Instrument :
BNA_G
ClientSampleId :
TP-8

Tgt Ion:244 Resp: 623391
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 4.5 4.3 6.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.991 min Scan# 3728
Delta R.T. -0.033 min
Lab File: BG064923.D
Acq: 10 Dec 2025 16:30

Tgt Ion:264 Resp: 238359
Ion Ratio Lower Upper
264 100
260 21.4 17.2 25.8
265 21.0 16.6 25.0

