

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
 Data File : BG064486.D
 Acq On : 3 Oct 2025 14:13
 Operator : RC/JU
 Sample : PB169969BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169969BL

Quant Time: Oct 03 14:52:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

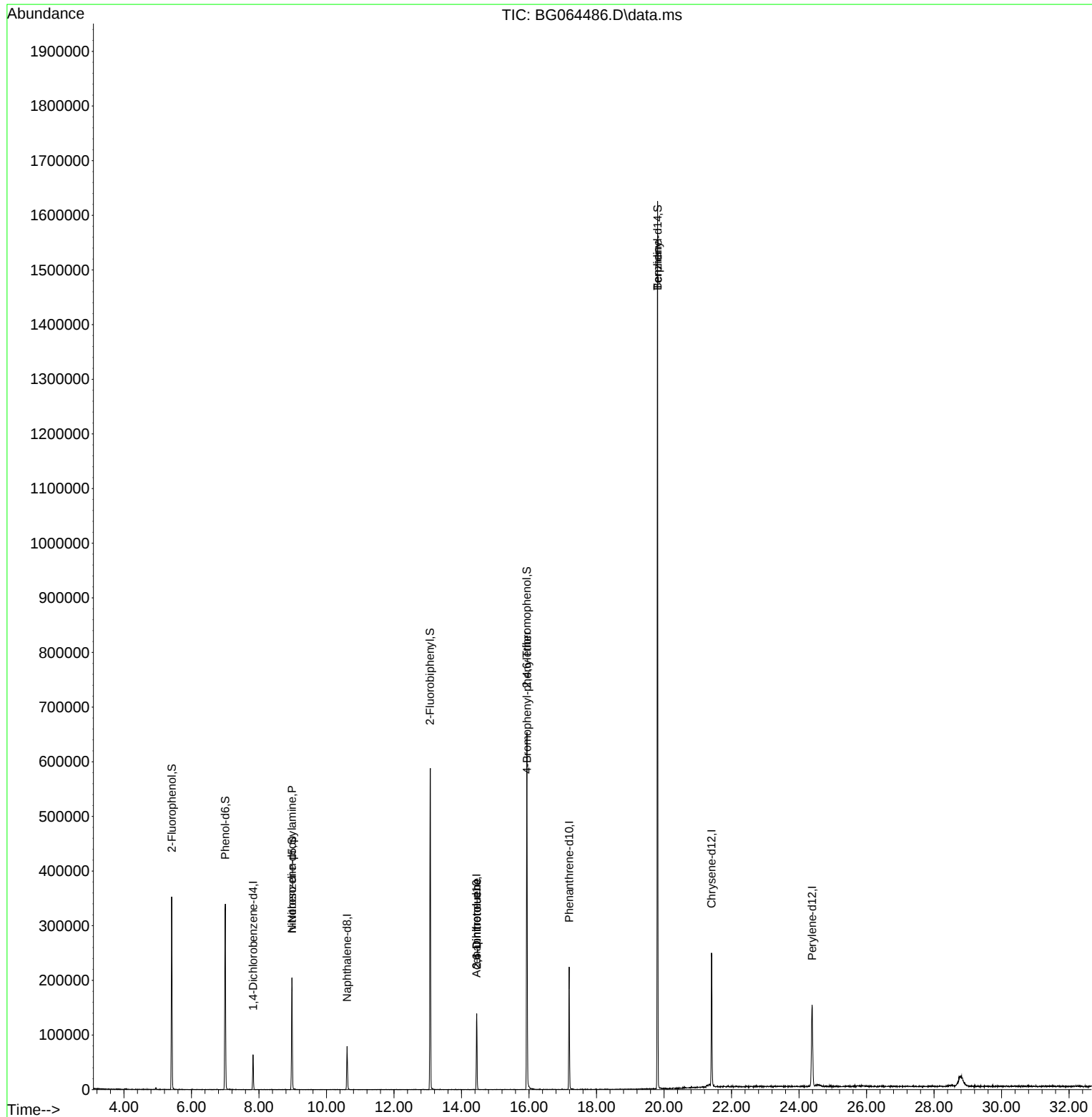
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	15191	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	62107	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	48723	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	134110	20.000	ng	0.00
76) Chrysene-d12	21.407	240	150398	20.000	ng	# 0.00
86) Perylene-d12	24.386	264	159774	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	127764	155.652	ng	0.00
7) Phenol-d6	7.001	99	157509	142.792	ng	0.01
23) Nitrobenzene-d5	8.975	82	106818	92.479	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	127771	144.673	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	299612	90.641	ng	0.00
79) Terphenyl-d14	19.809	244	735224	92.515	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.975	70	15296	20.734	ng	# 76
51) 2,6-Dinitrotoluene	14.451	165	6377	8.022	ng	# 12
57) 2,4-Dinitrotoluene	14.451	165	6377	5.248	ng	# 21
67) 4-Bromophenyl-phenylether	15.943	248	8978	5.689	ng	# 1
77) Benzidine	19.809	184	15219	4.067	ng	# 79

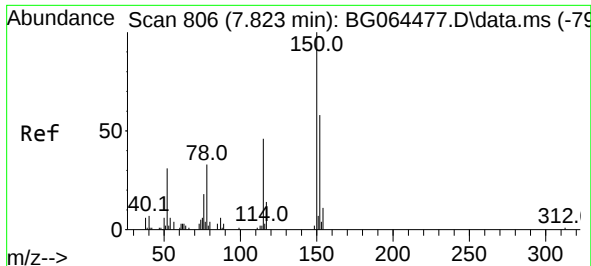
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

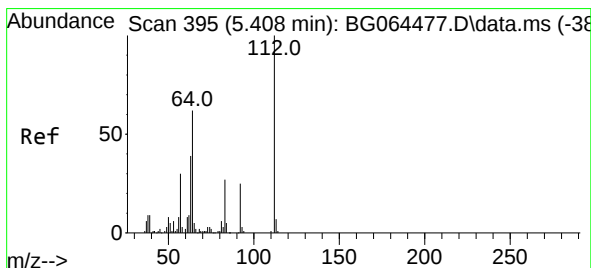
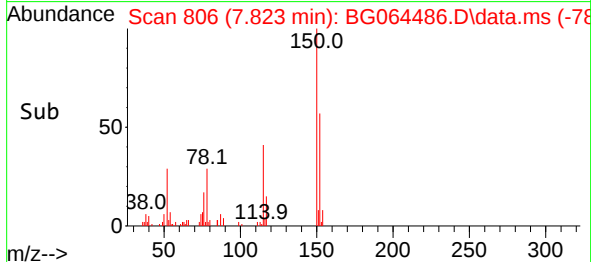
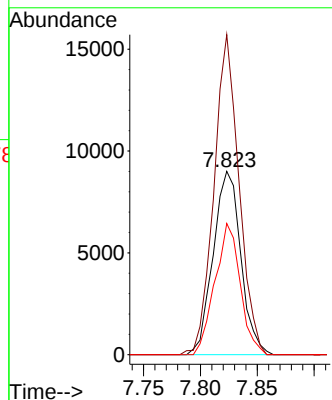
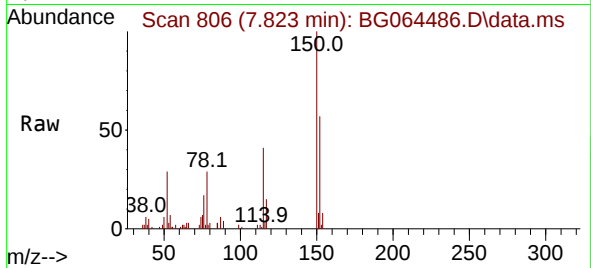




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 806
Delta R.T. 0.003 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

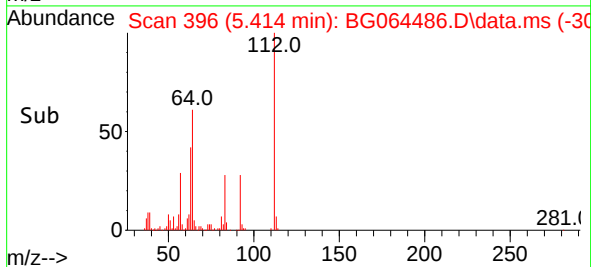
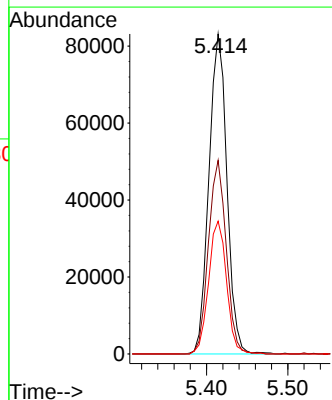
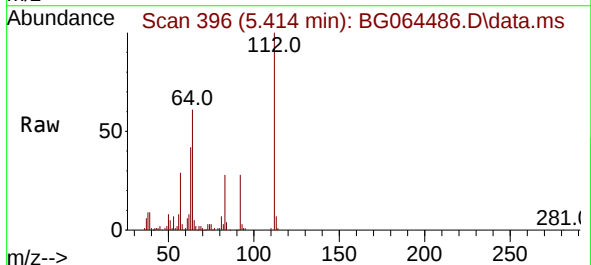
Instrument :
BNA_G
ClientSampleId :
PB169969BL

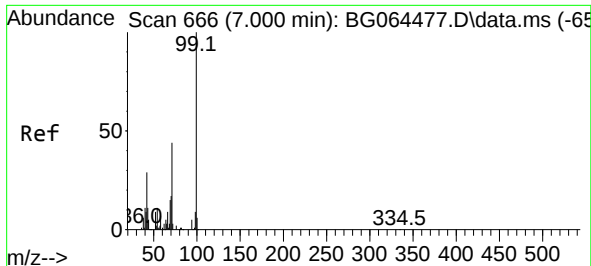
Tgt Ion:152 Resp: 15191
Ion Ratio Lower Upper
152 100
150 174.6 138.6 207.8
115 71.6 63.4 95.2



#5
2-Fluorophenol
Concen: 155.652 ng
RT: 5.414 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

Tgt Ion:112 Resp: 127764
Ion Ratio Lower Upper
112 100
64 60.5 49.8 74.8
63 41.5 31.3 46.9

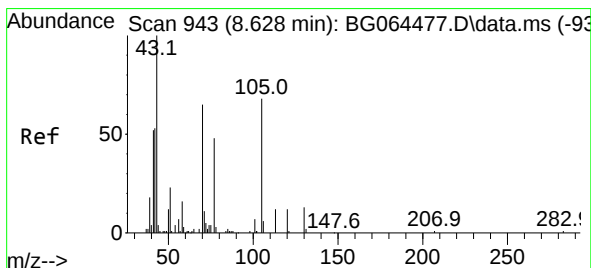
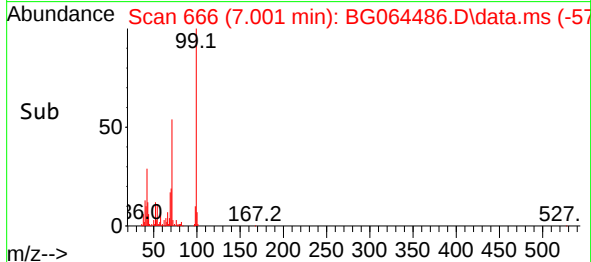
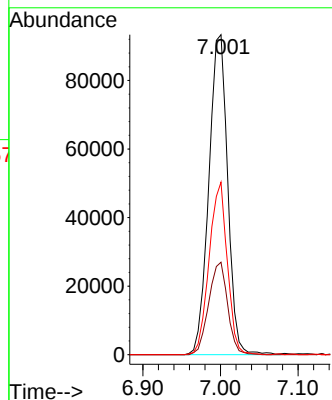
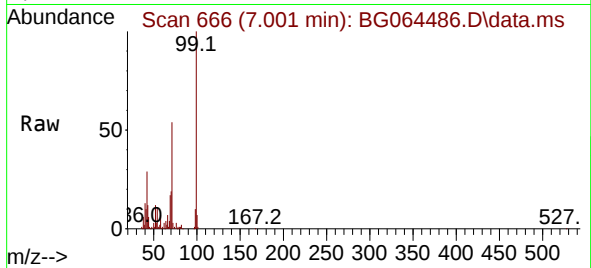




#7
Phenol-d6
Concen: 142.792 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.014 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

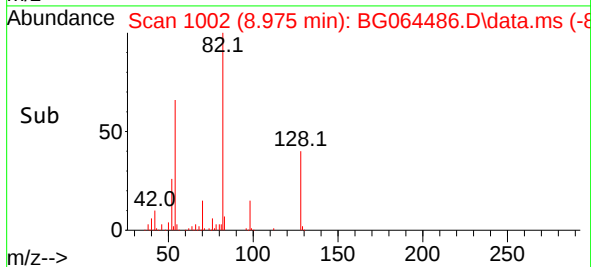
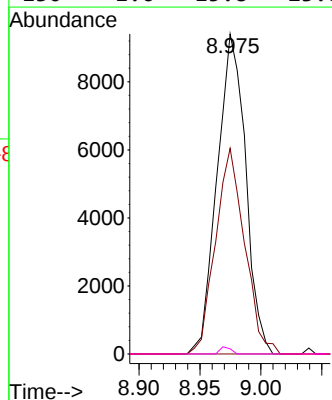
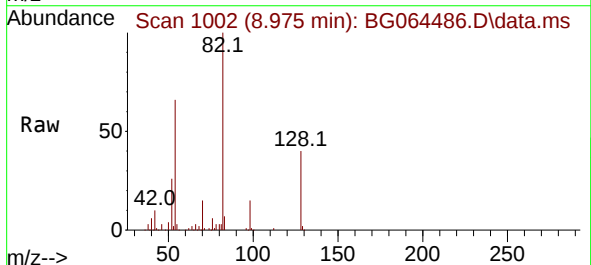
Instrument :
BNA_G
ClientSampleId :
PB169969BL

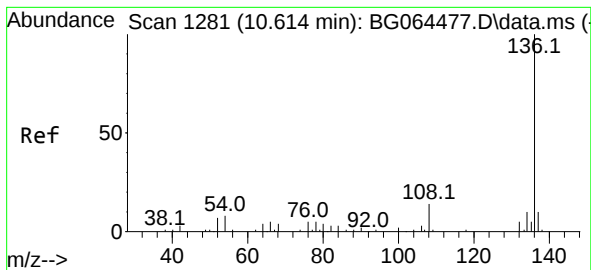
Tgt Ion: 99 Resp: 157509
Ion Ratio Lower Upper
99 100
42 28.9 22.9 34.3
71 53.9 35.4 53.2#



#19
n-Nitroso-di-n-propylamine
Concen: 20.734 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.361 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

Tgt Ion: 70 Resp: 15296
Ion Ratio Lower Upper
70 100
42 64.3 64.9 97.3#
101 0.0 8.7 13.1#
130 1.6 15.8 23.8#

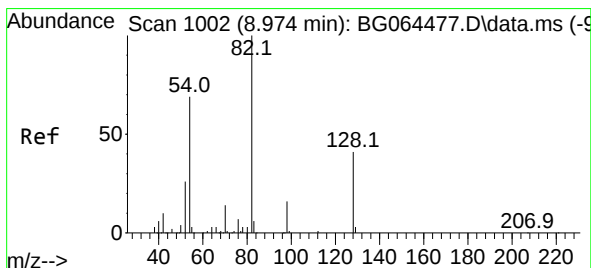
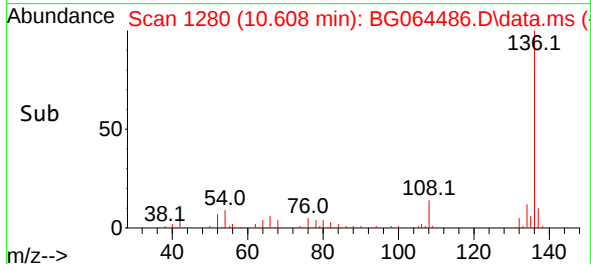
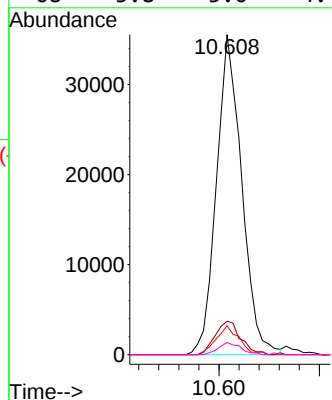
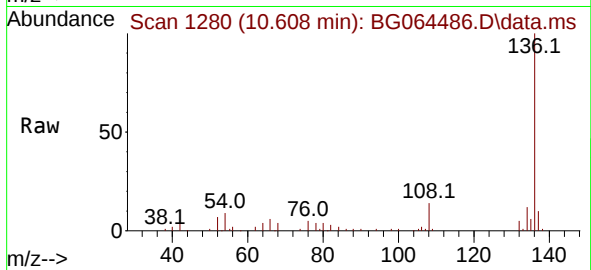




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

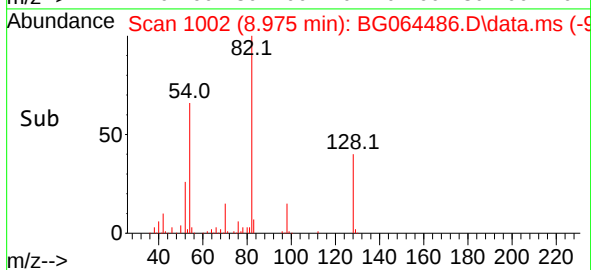
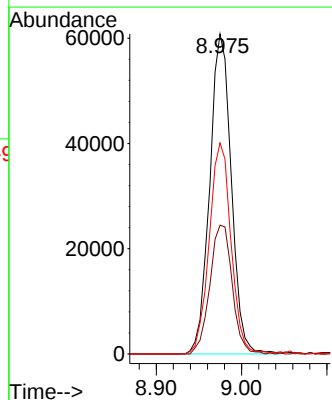
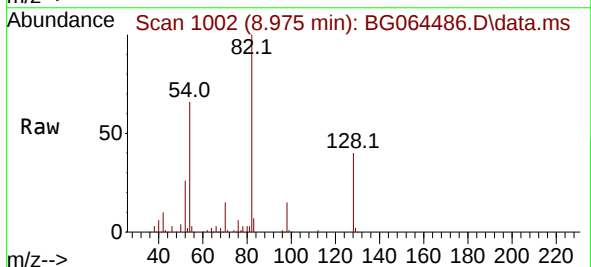
Instrument :
BNA_G
ClientSampleId :
PB169969BL

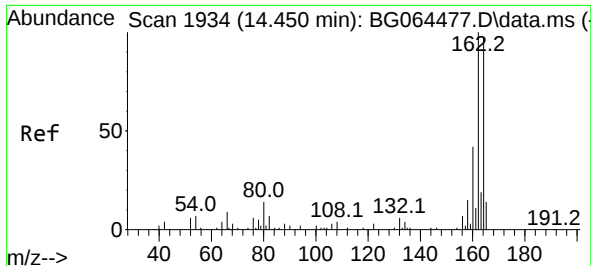
Tgt Ion:136	Resp: 62107
Ion Ratio	Lower Upper
136	100
137	10.5 8.3 12.5
54	9.1 6.2 9.4
68	3.8 3.0 4.4



#23
Nitrobenzene-d5
Concen: 92.479 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.008 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

Tgt Ion: 82	Resp: 106818
Ion Ratio	Lower Upper
82	100
128	40.3 33.1 49.7
54	65.9 55.4 83.2

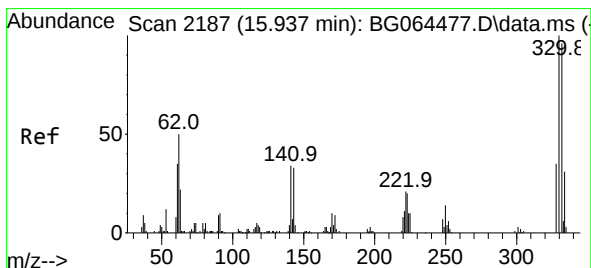
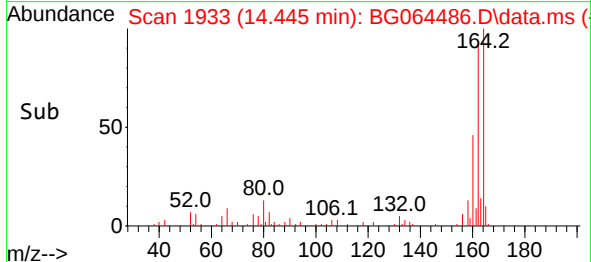
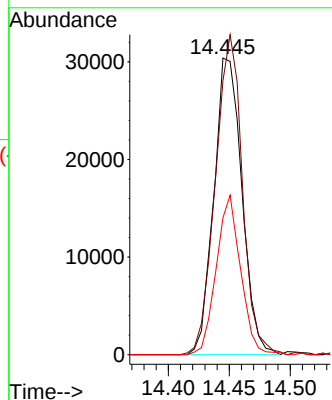
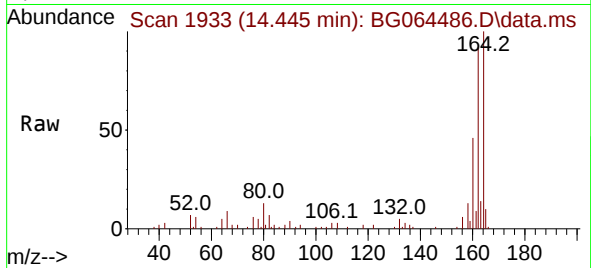




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

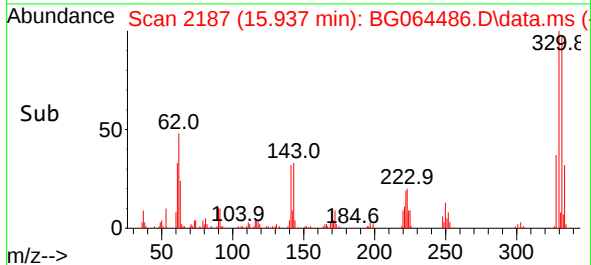
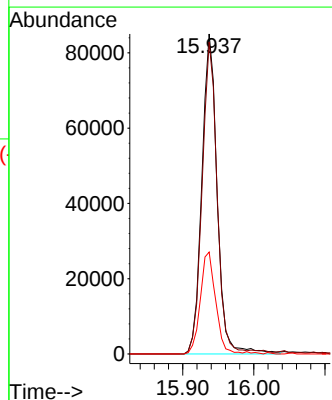
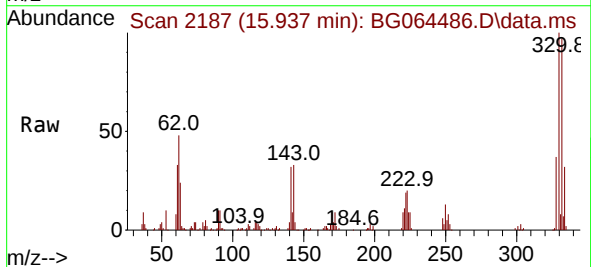
Instrument :
BNA_G
ClientSampleId :
PB169969BL

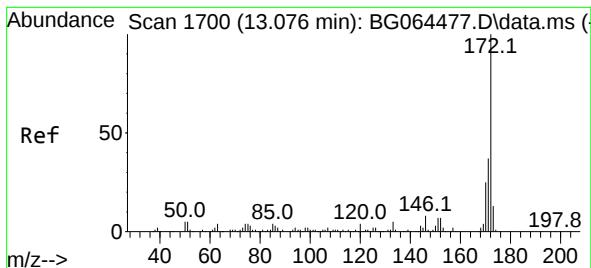
Tgt Ion:164 Resp: 48723
Ion Ratio Lower Upper
164 100
162 92.3 82.2 123.2
160 46.1 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 144.673 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

Tgt Ion:330 Resp: 127771
Ion Ratio Lower Upper
330 100
332 94.6 77.4 116.0
141 31.7 25.8 38.6

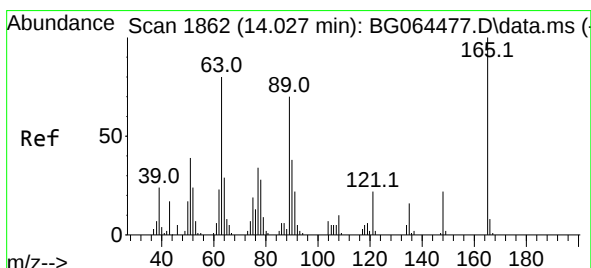
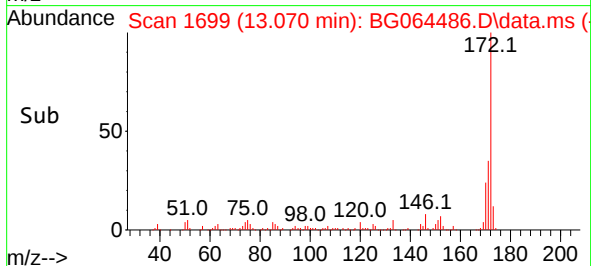
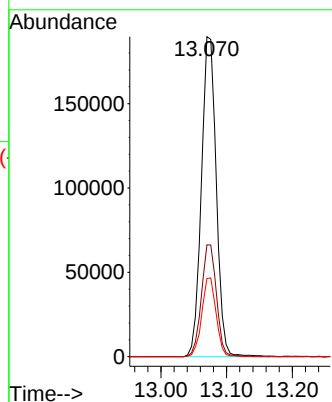
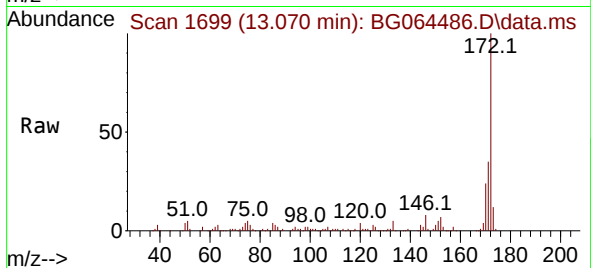




#45
2-Fluorobiphenyl
Concen: 90.641 ng
RT: 13.070 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

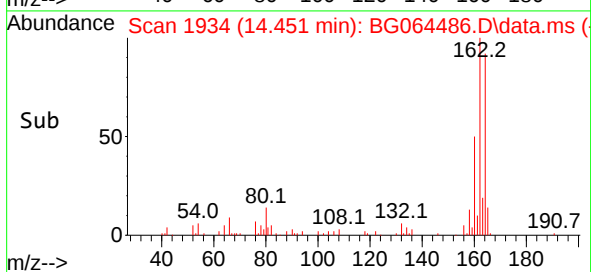
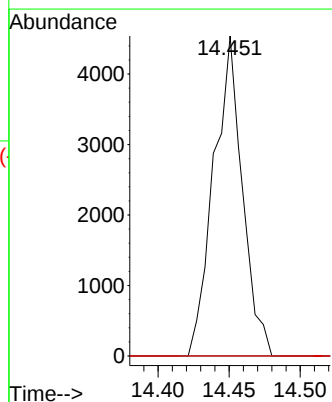
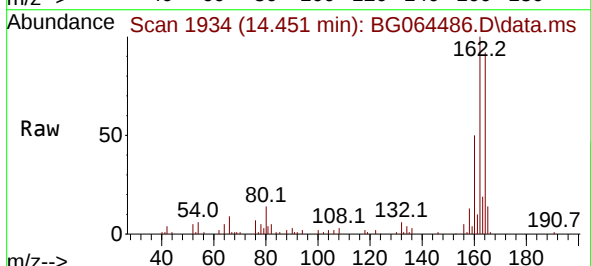
Instrument :
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ClientSampleId :
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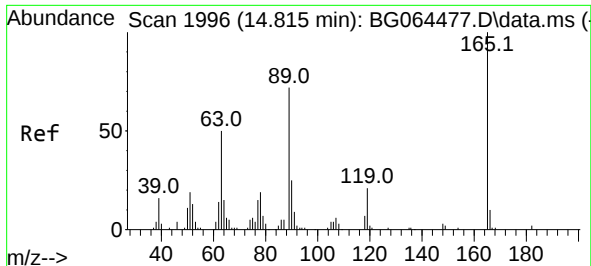
Tgt Ion:172 Resp: 299612
Ion Ratio Lower Upper
172 100
171 34.9 29.6 44.4
170 24.4 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.022 ng
RT: 14.451 min Scan# 1934
Delta R.T. 0.432 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

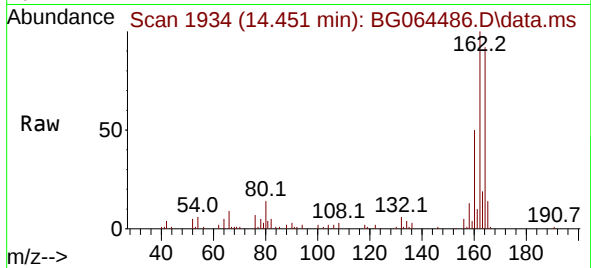
Tgt Ion:165 Resp: 6377
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 0.0 56.1 84.1#





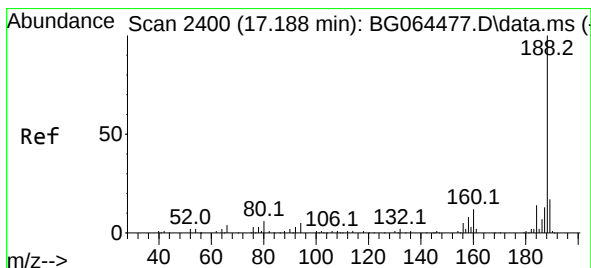
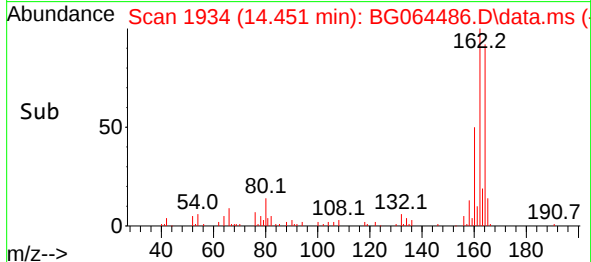
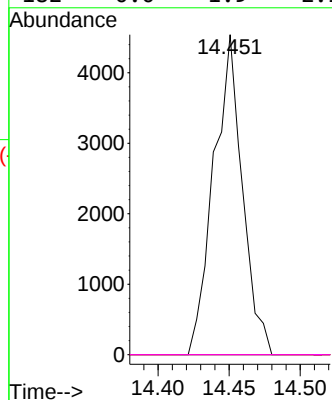
#57
2,4-Dinitrotoluene
Concen: 5.248 ng
RT: 14.451 min Scan# 1996
Delta R.T. -0.362 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

Instrument :
BNA_G
ClientSampleId :
PB169969BL



Tgt Ion:165 Resp: 6377

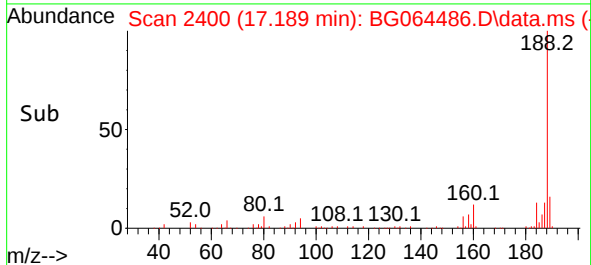
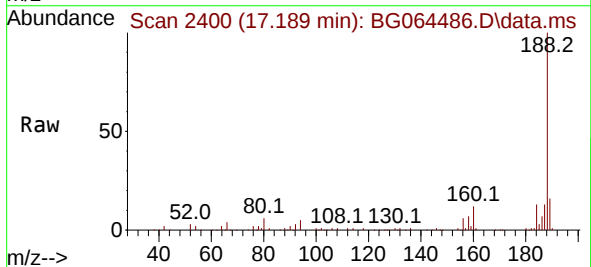
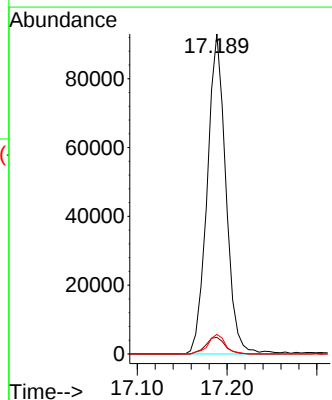
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	0.0	57.3	85.9#
182	0.0	1.9	2.9#

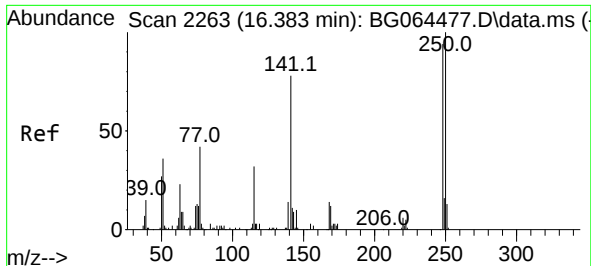


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

Tgt Ion:188 Resp: 134110

Ion	Ratio	Lower	Upper
188	100		
94	5.2	3.7	5.5
80	6.1	4.5	6.7

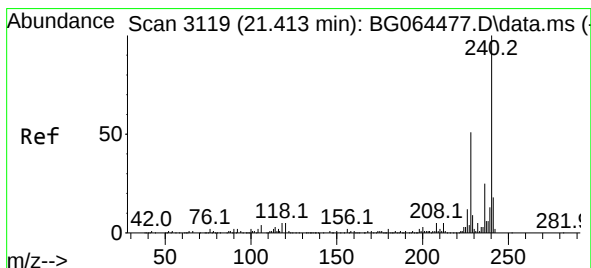
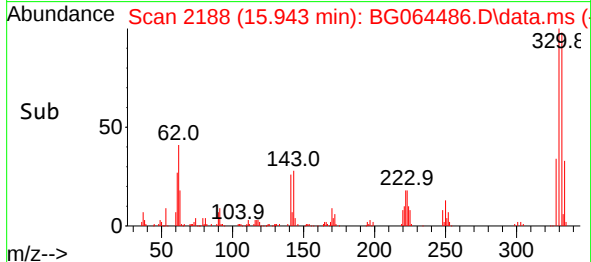
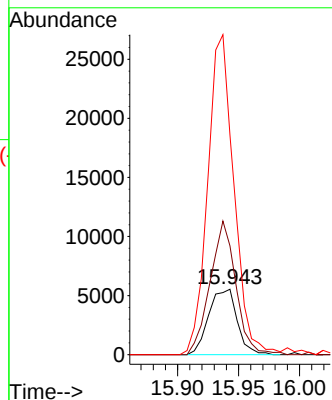
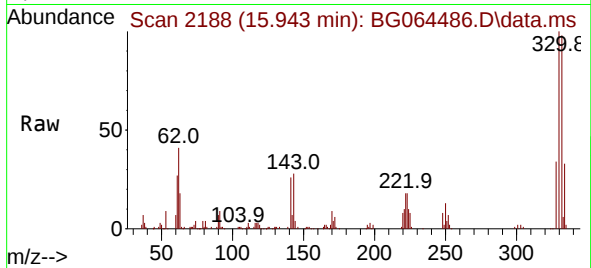




#67
4-Bromophenyl-phenylether
Concen: 5.689 ng
RT: 15.943 min Scan# 2118
Delta R.T. -0.438 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

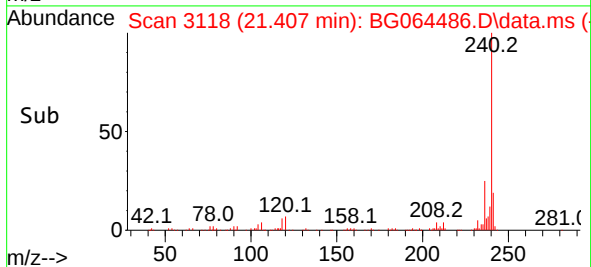
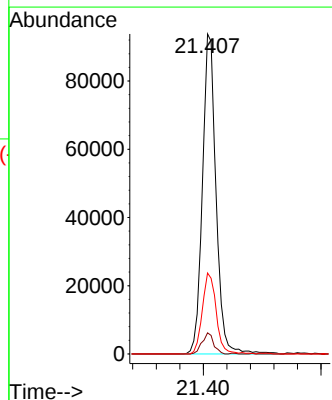
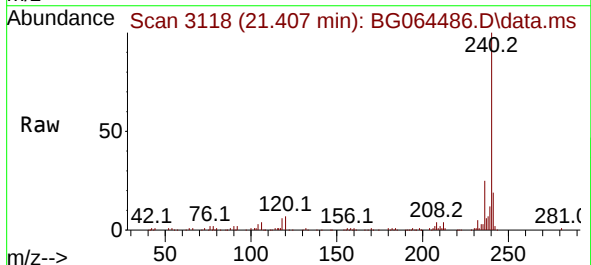
Instrument :
BNA_G
ClientSampleId :
PB169969BL

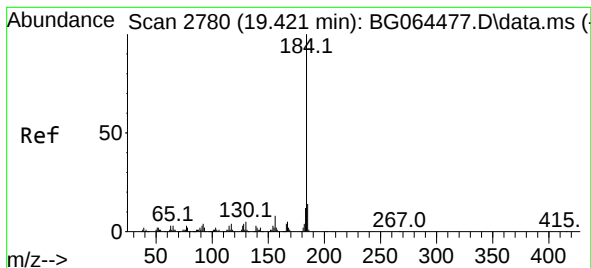
Tgt Ion:248 Resp: 8978
Ion Ratio Lower Upper
248 100
250 166.2 85.3 127.9#
141 335.7 66.2 99.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.407 min Scan# 3118
Delta R.T. -0.003 min
Lab File: BG064486.D
Acq: 3 Oct 2025 14:13

Tgt Ion:240 Resp: 150398
Ion Ratio Lower Upper
240 100
120 6.6 4.3 6.5#
236 25.3 20.4 30.6





#77

Benzidine

Concen: 4.067 ng

RT: 19.809 min Scan# 2846

Delta R.T. 0.384 min

Lab File: BG064486.D

Acq: 3 Oct 2025 14:13

Instrument :

BNA_G

ClientSampleId :

PB169969BL

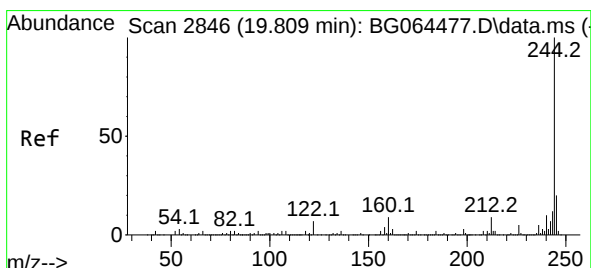
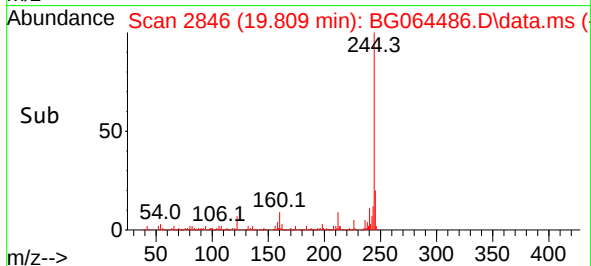
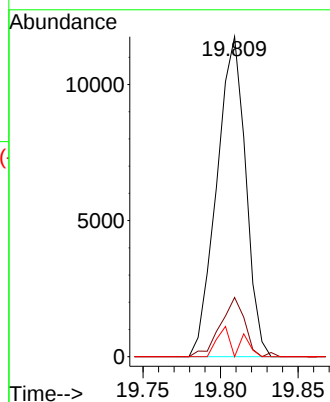
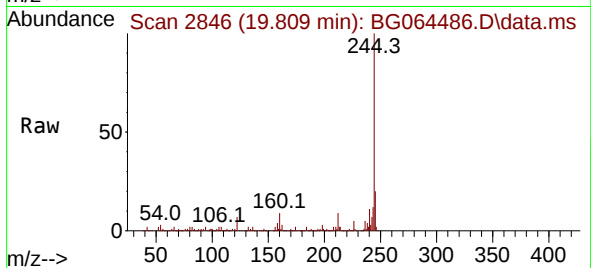
Tgt Ion:184 Resp: 15219

Ion Ratio Lower Upper

184 100

185 18.5 10.9 16.3#

183 0.0 9.8 14.6#



#79

Terphenyl-d14

Concen: 92.515 ng

RT: 19.809 min Scan# 2846

Delta R.T. 0.003 min

Lab File: BG064486.D

Acq: 3 Oct 2025 14:13

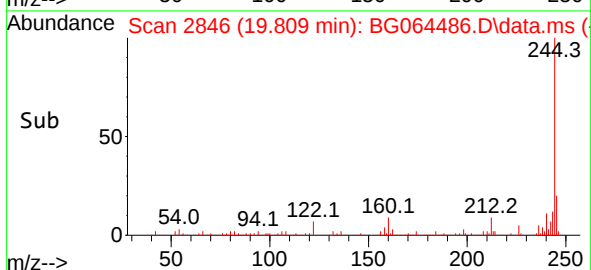
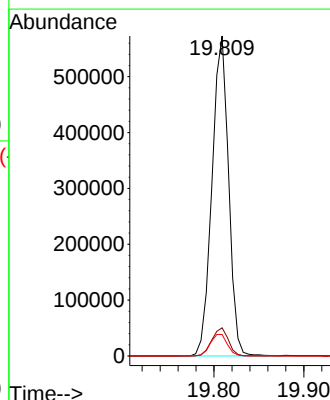
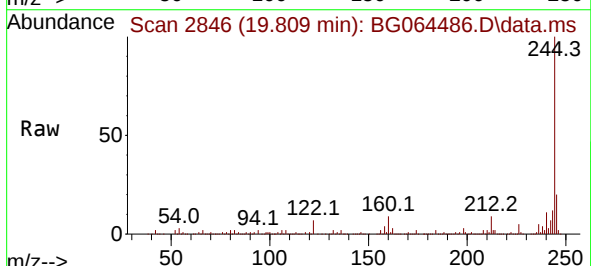
Tgt Ion:244 Resp: 735224

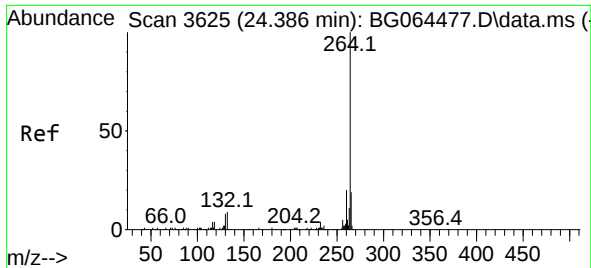
Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

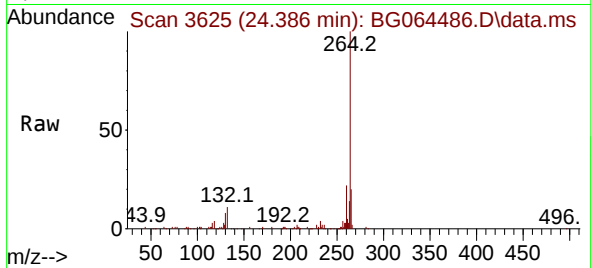
122 6.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.386 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG064486.D
 Acq: 3 Oct 2025 14:13

Instrument :
 BNA_G
 ClientSampleId :
 PB169969BL



Tgt Ion:264 Resp: 159774

Ion	Ratio	Lower	Upper
264	100		
260	22.1	16.2	24.4
265	19.9	15.0	22.4

