

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
 Data File : BG064495.D
 Acq On : 3 Oct 2025 20:21
 Operator : RC/JU
 Sample : Q3272-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT5417-CONCRETE

Quant Time: Oct 04 00:01:06 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)

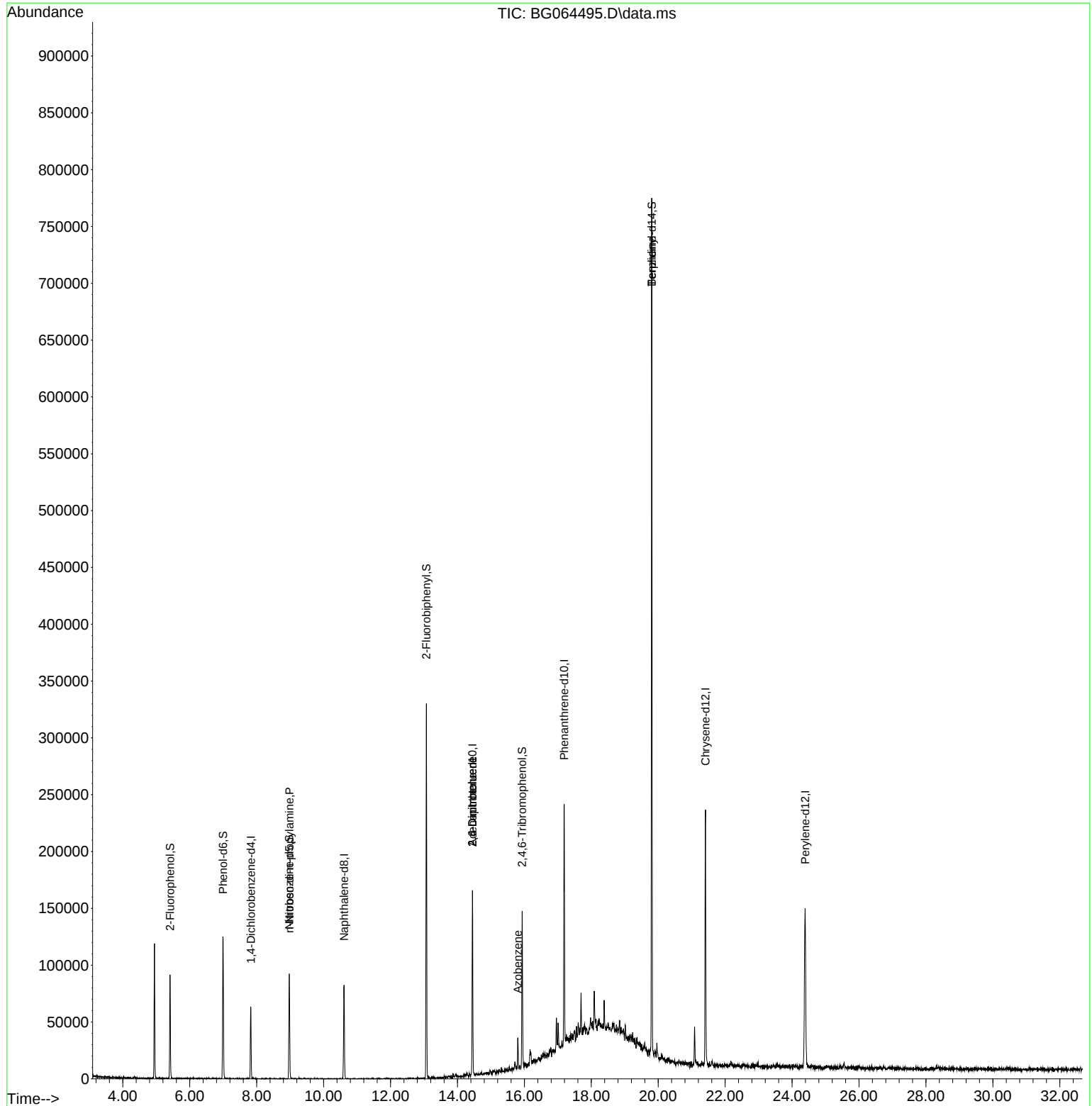
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.827	152	15477	20.000	ng	0.00
21) Naphthalene-d8	10.612	136	66976	20.000	ng	0.00
39) Acenaphthene-d10	14.448	164	54147	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	129156	20.000	ng	0.00
76) Chrysene-d12	21.411	240	129638	20.000	ng	0.00
86) Perylene-d12	24.390	264	147451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.412	112	33084	39.561	ng	0.00
7) Phenol-d6	6.998	99	60207	53.573	ng	0.01
23) Nitrobenzene-d5	8.972	82	48759	39.145	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	28453	28.990	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	157667	42.920	ng	0.00
79) Terphenyl-d14	19.807	244	350772	51.207	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.978	70	7920	10.537	ng	# 70
51) 2,6-Dinitrotoluene	14.448	165	7517	8.509	ng	# 14
57) 2,4-Dinitrotoluene	14.448	165	7517	5.566	ng	# 23
63) Azobenzene	15.806	77	8120	2.305	ng	# 1
77) Benzidine	19.807	184	7421	2.300	ng	# 89

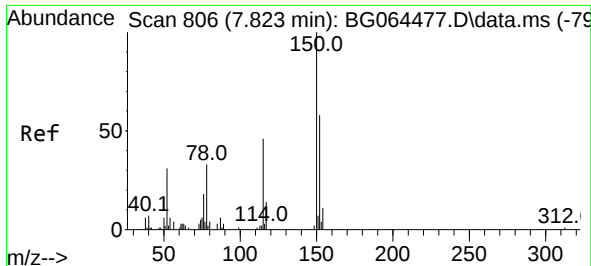
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064495.D
Acq On : 3 Oct 2025 20:21
Operator : RC/JU
Sample : Q3272-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
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RT5417-CONCRETE

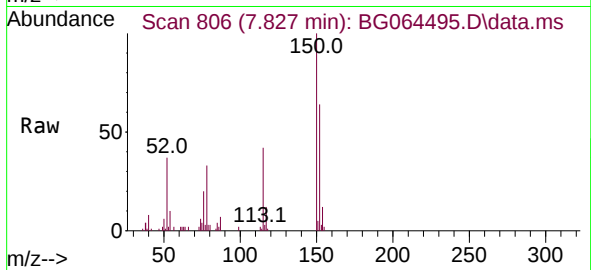
Quant Time: Oct 04 00:01:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



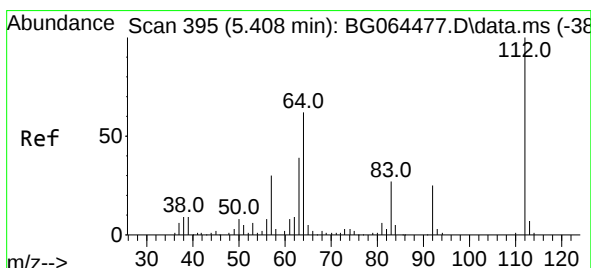
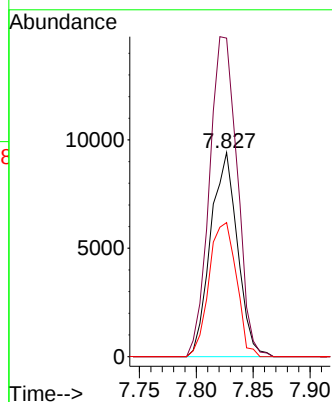
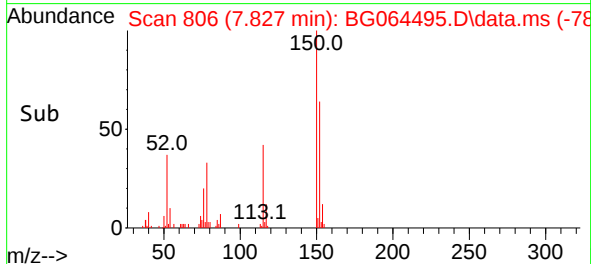


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.827 min Scan# 806
Delta R.T. 0.007 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

Instrument :
BNA_G
ClientSampleId :
RT5417-CONCRETE

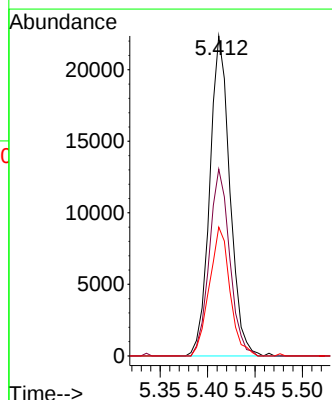
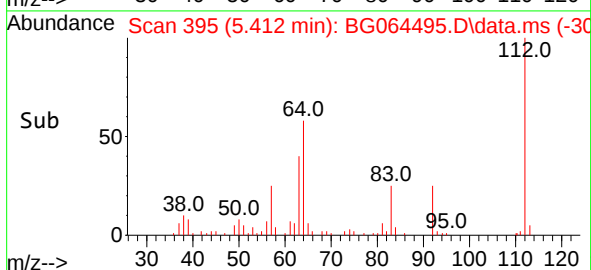
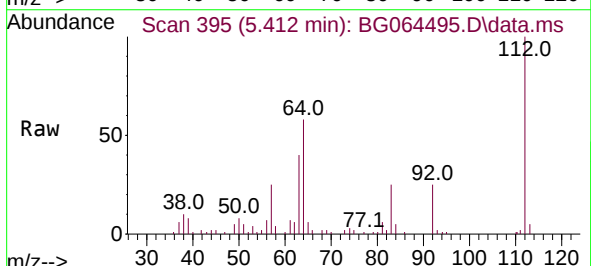


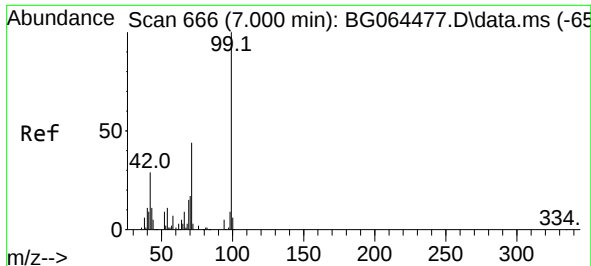
Tgt Ion:152 Resp: 15477
Ion Ratio Lower Upper
152 100
150 156.1 138.6 207.8
115 65.7 63.4 95.2



#5
2-Fluorophenol
Concen: 39.561 ng
RT: 5.412 min Scan# 395
Delta R.T. 0.006 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

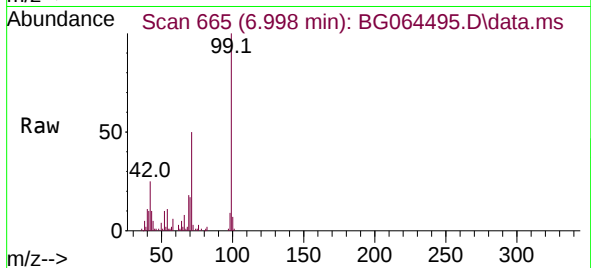
Tgt Ion:112 Resp: 33084
Ion Ratio Lower Upper
112 100
64 58.4 49.8 74.8
63 40.2 31.3 46.9



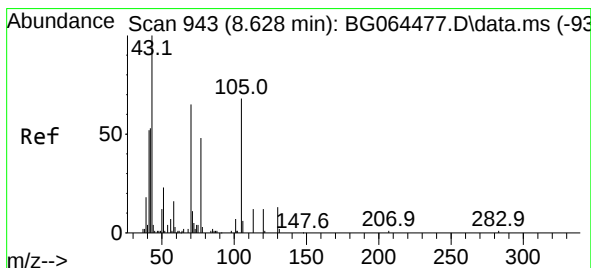
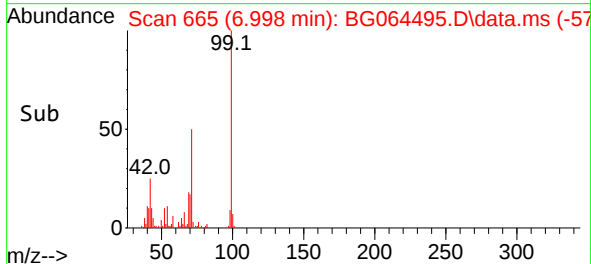
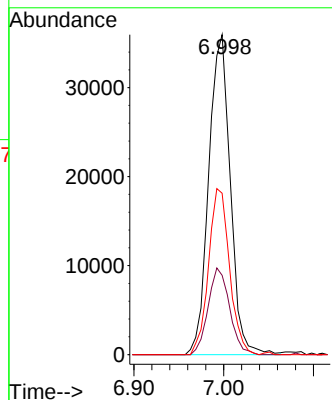


#7
Phenol-d6
Concen: 53.573 ng
RT: 6.998 min Scan# 60
Delta R.T. 0.012 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

Instrument :
BNA_G
ClientSampleId :
RT5417-CONCRETE

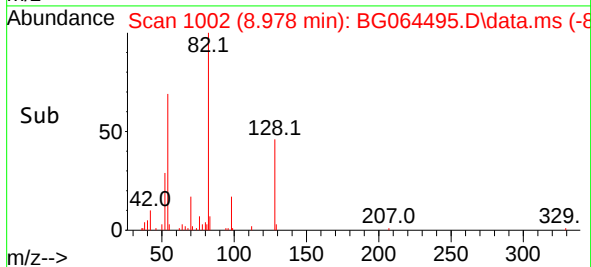
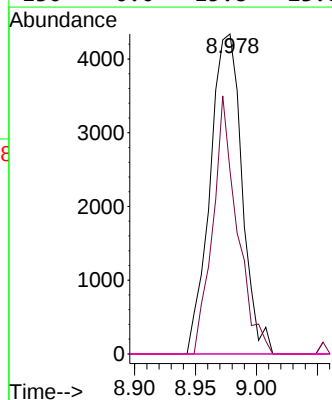
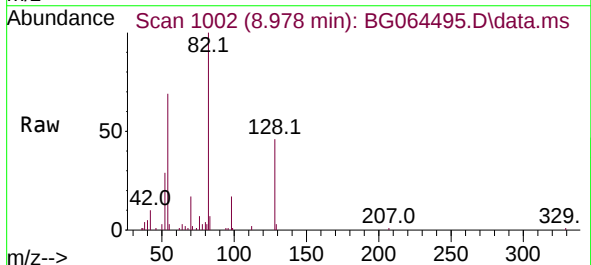


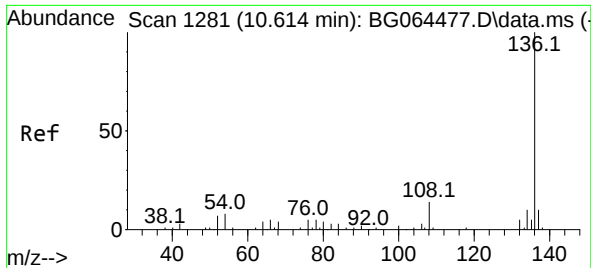
Tgt Ion: 99 Resp: 60207
Ion Ratio Lower Upper
99 100
42 24.8 22.9 34.3
71 50.4 35.4 53.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.537 ng
RT: 8.978 min Scan# 1002
Delta R.T. 0.365 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

Tgt Ion: 70 Resp: 7920
Ion Ratio Lower Upper
70 100
42 57.3 64.9 97.3#
101 0.0 8.7 13.1#
130 0.0 15.8 23.8#

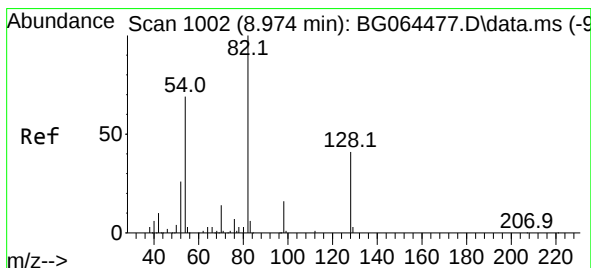
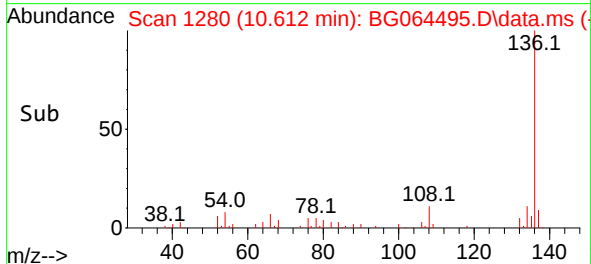
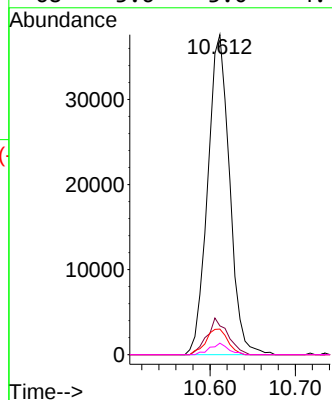
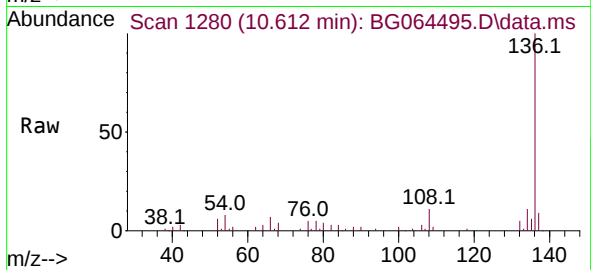




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.612 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

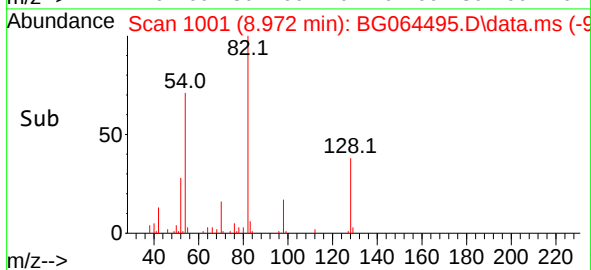
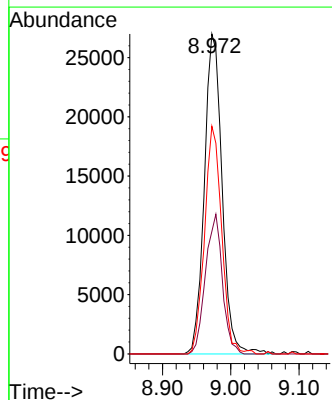
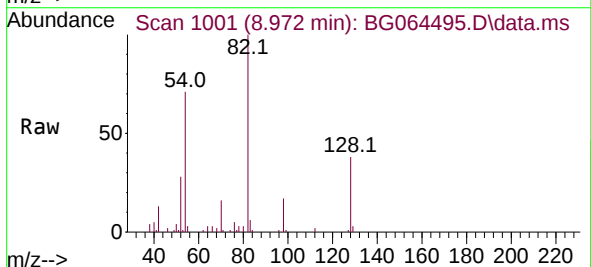
Instrument :
BNA_G
ClientSampleId :
RT5417-CONCRETE

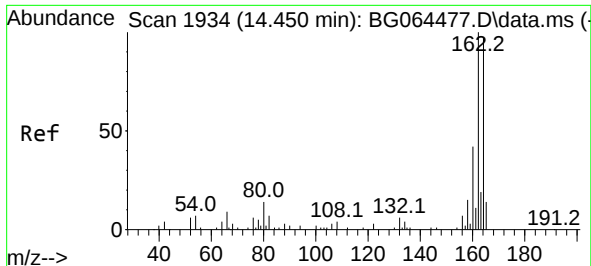
Tgt Ion:136	Resp:	66976
Ion Ratio	Lower	Upper
136	100	
137	9.0	8.3 12.5
54	8.0	6.2 9.4
68	3.6	3.0 4.4



#23
Nitrobenzene-d5
Concen: 39.145 ng
RT: 8.972 min Scan# 1001
Delta R.T. 0.006 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

Tgt Ion: 82	Resp:	48759
Ion Ratio	Lower	Upper
82	100	
128	38.3	33.1 49.7
54	71.1	55.4 83.2

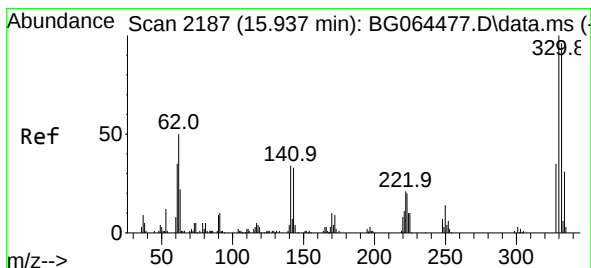
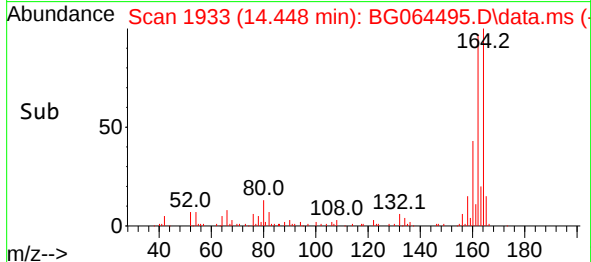
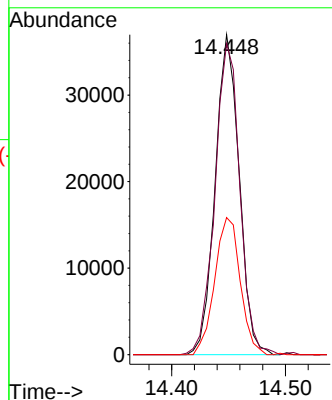
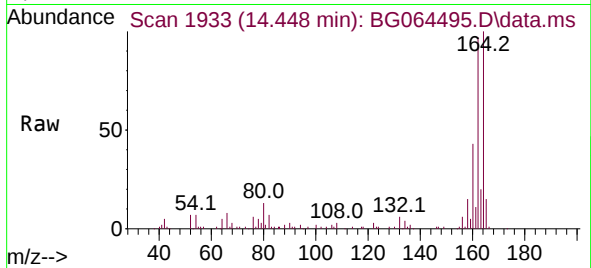




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.448 min Scan# 1933
 Delta R.T. 0.000 min
 Lab File: BG064495.D
 Acq: 3 Oct 2025 20:21

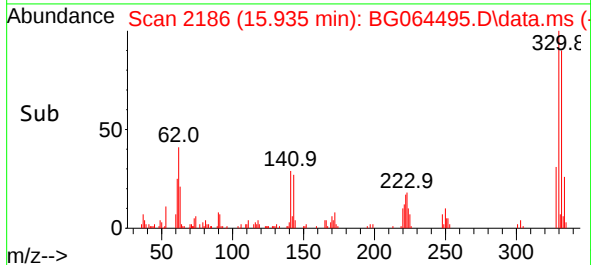
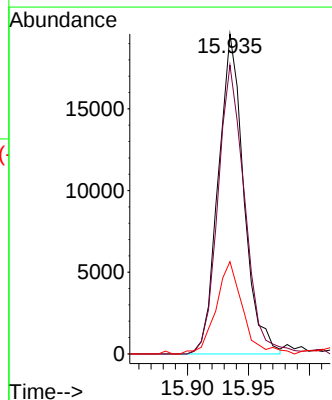
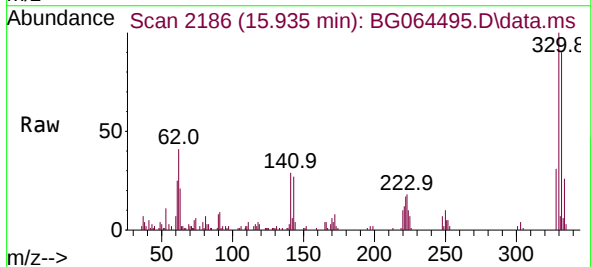
Instrument :
 BNA_G
 ClientSampleId :
 RT5417-CONCRETE

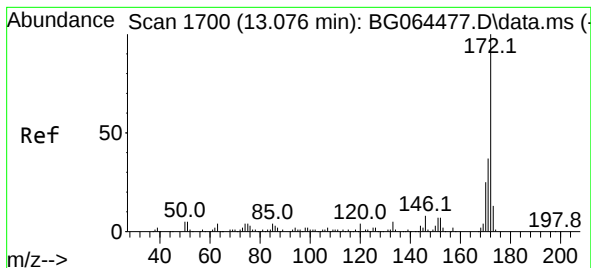
Tgt Ion:164 Resp: 54147
 Ion Ratio Lower Upper
 164 100
 162 97.2 82.2 123.2
 160 42.8 34.3 51.5



#42
 2,4,6-Tribromophenol
 Concen: 28.990 ng
 RT: 15.935 min Scan# 2186
 Delta R.T. 0.000 min
 Lab File: BG064495.D
 Acq: 3 Oct 2025 20:21

Tgt Ion:330 Resp: 28453
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.4 116.0
 141 30.0 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 42.920 ng

RT: 13.073 min Scan# 10

Delta R.T. 0.006 min

Lab File: BG064495.D

Acq: 3 Oct 2025 20:21

Instrument :

BNA_G

ClientSampleId :

RT5417-CONCRETE

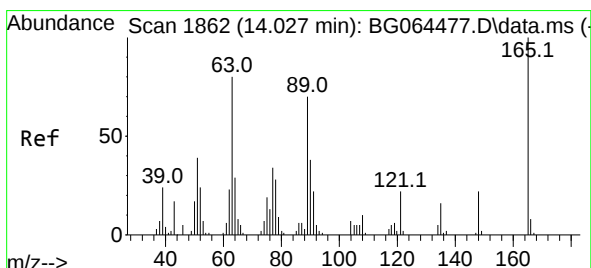
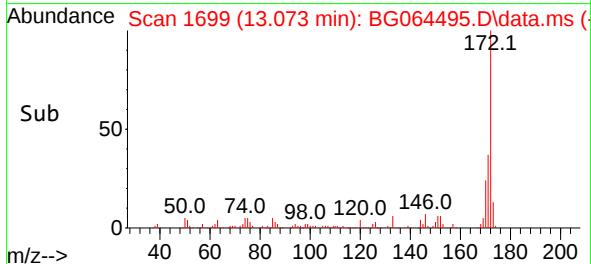
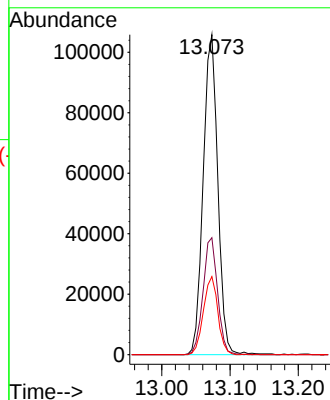
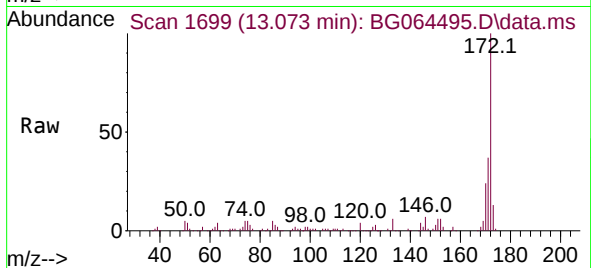
Tgt Ion:172 Resp: 157667

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

170 24.4 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.509 ng

RT: 14.448 min Scan# 1933

Delta R.T. 0.429 min

Lab File: BG064495.D

Acq: 3 Oct 2025 20:21

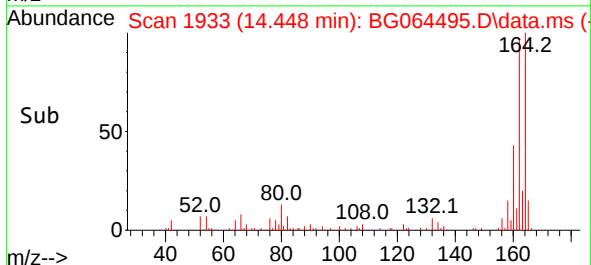
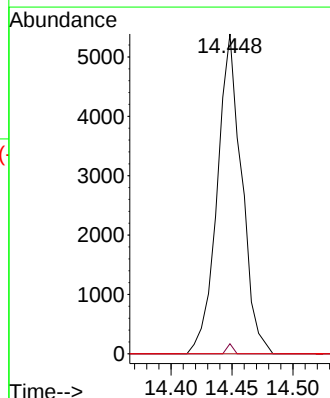
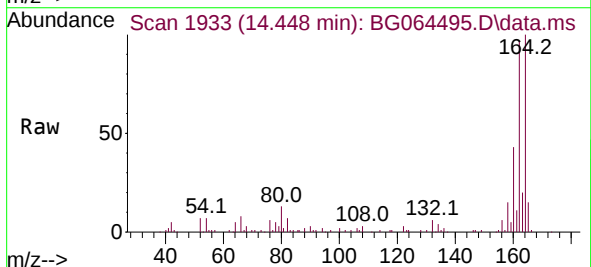
Tgt Ion:165 Resp: 7517

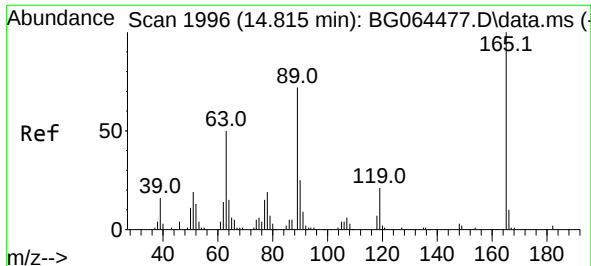
Ion Ratio Lower Upper

165 100

63 3.2 63.9 95.9#

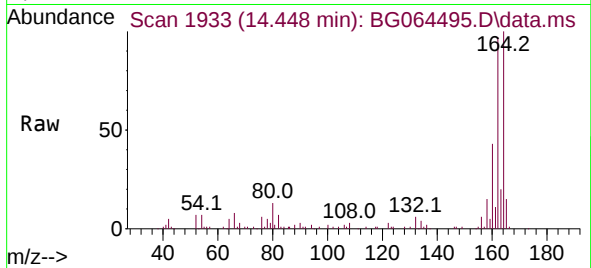
89 0.0 56.1 84.1#



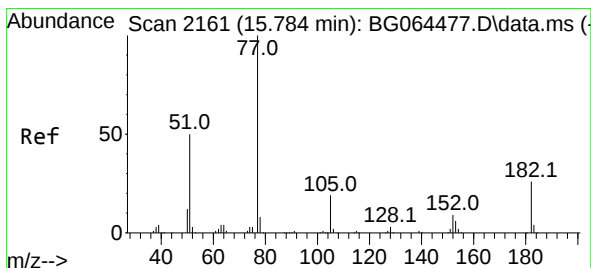
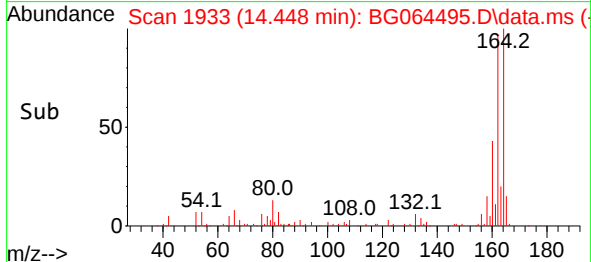
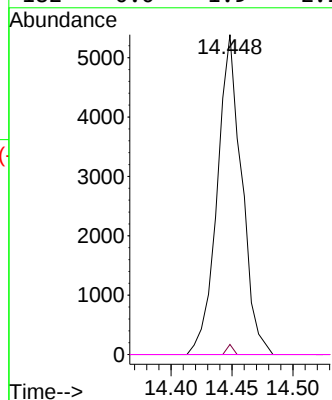


#57
2,4-Dinitrotoluene
Concen: 5.566 ng
RT: 14.448 min Scan# 1996
Delta R.T. -0.364 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

Instrument :
BNA_G
ClientSampleId :
RT5417-CONCRETE

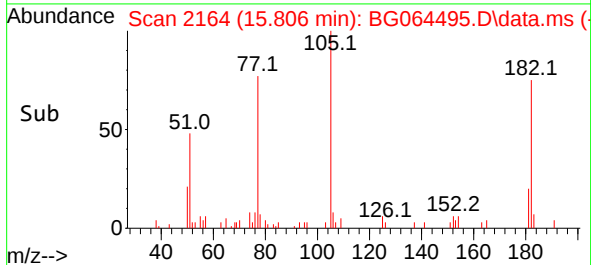
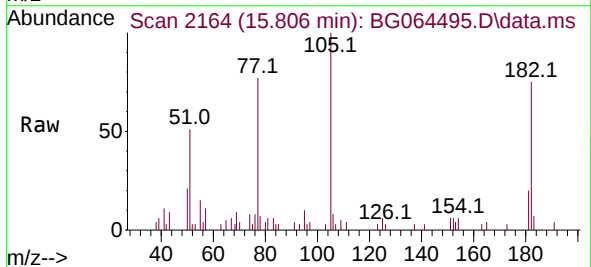
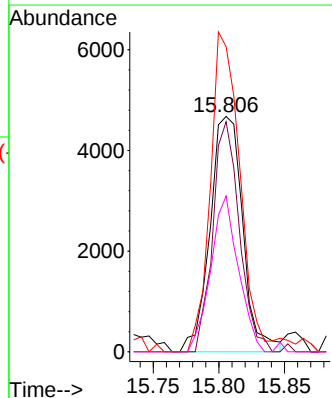


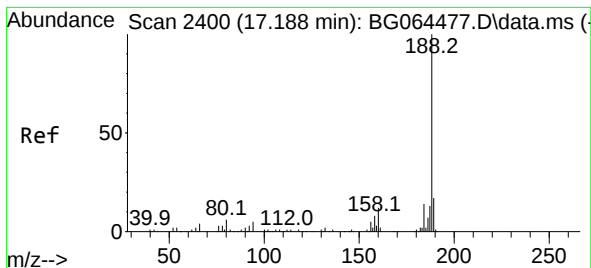
Tgt Ion:165 Resp: 7517
Ion Ratio Lower Upper
165 100
63 3.2 40.4 60.6#
89 0.0 57.3 85.9#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.305 ng
RT: 15.806 min Scan# 2164
Delta R.T. 0.024 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

Tgt Ion: 77 Resp: 8120
Ion Ratio Lower Upper
77 100
182 97.8 6.3 46.3#
105 129.6 0.0 38.7#
51 66.2 30.3 70.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2399

Delta R.T. 0.000 min

Lab File: BG064495.D

Acq: 3 Oct 2025 20:21

Instrument :

BNA_G

ClientSampleId :

RT5417-CONCRETE

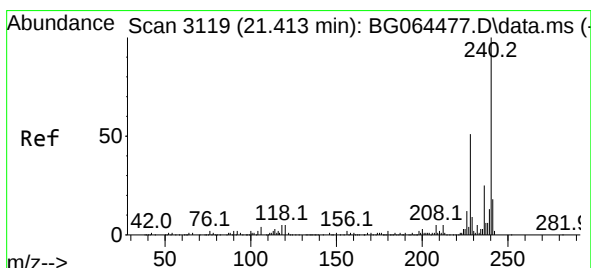
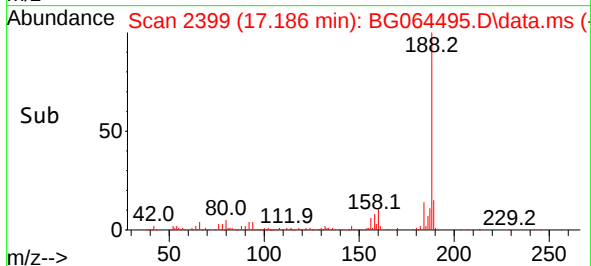
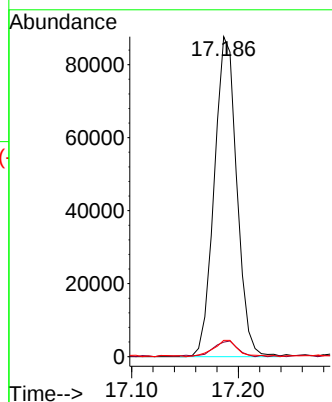
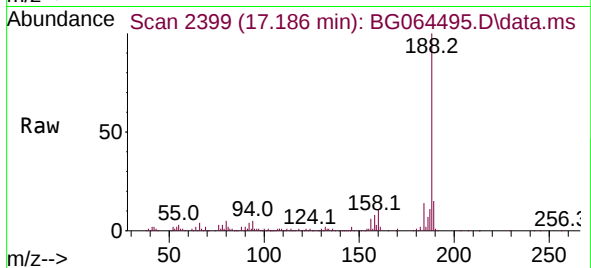
Tgt Ion:188 Resp: 129156

Ion Ratio Lower Upper

188 100

94 4.5 3.7 5.5

80 5.1 4.5 6.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.411 min Scan# 3118

Delta R.T. 0.001 min

Lab File: BG064495.D

Acq: 3 Oct 2025 20:21

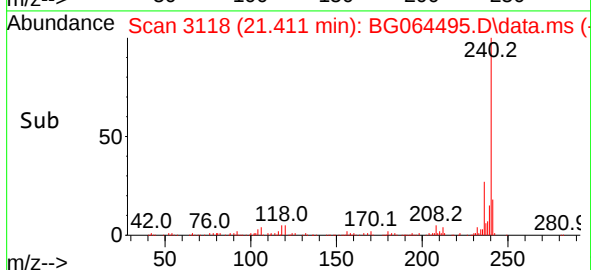
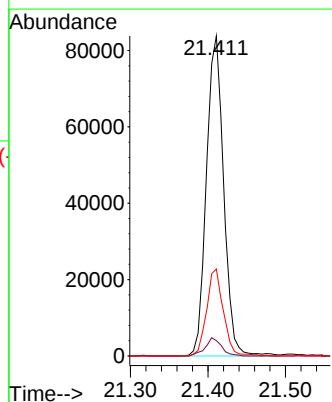
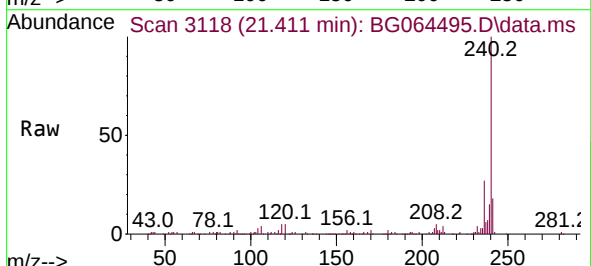
Tgt Ion:240 Resp: 129638

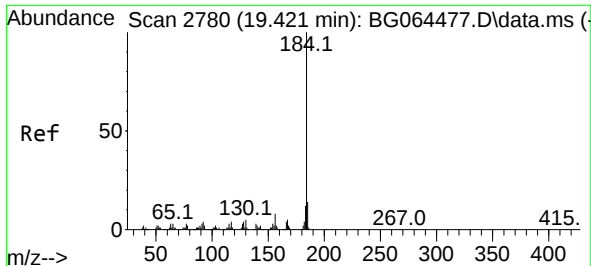
Ion Ratio Lower Upper

240 100

120 4.8 4.3 6.5

236 27.2 20.4 30.6

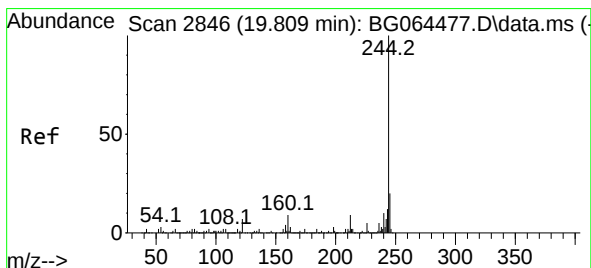
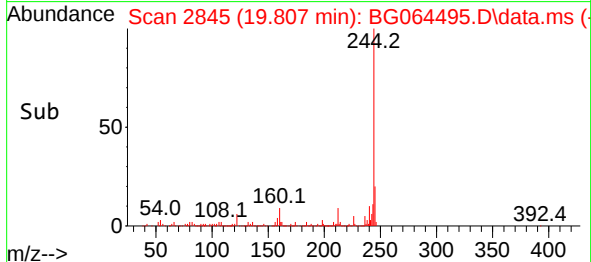
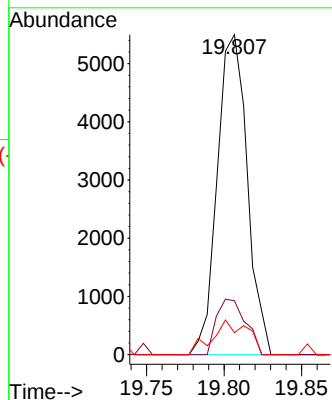
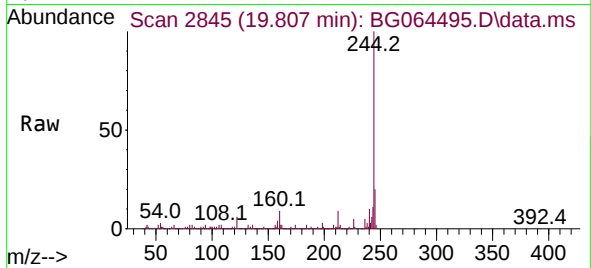




#77
Benzidine
Concen: 2.300 ng
RT: 19.807 min Scan# 2845
Delta R.T. 0.382 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

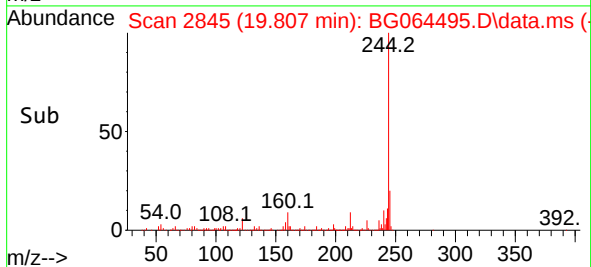
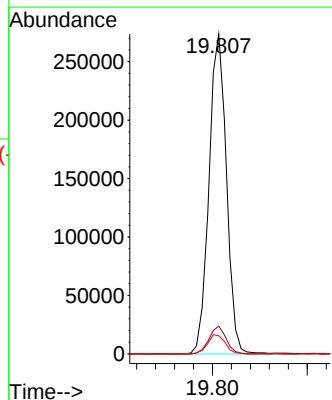
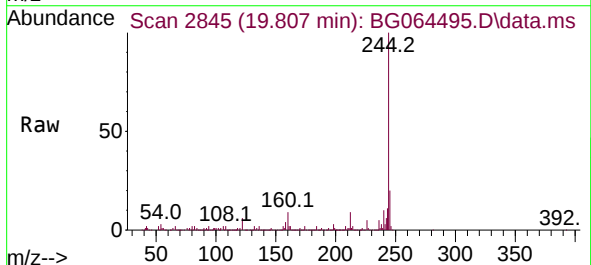
Instrument :
BNA_G
ClientSampleId :
RT5417-CONCRETE

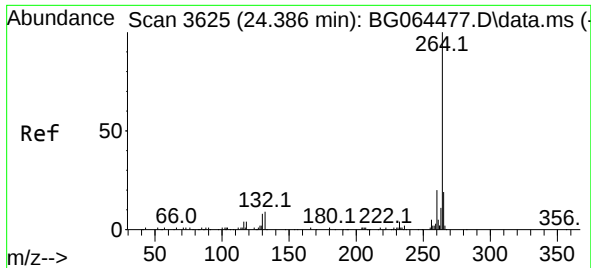
Tgt Ion:184 Resp: 7421
Ion Ratio Lower Upper
184 100
185 16.8 10.9 16.3#
183 6.9 9.8 14.6#



#79
Terphenyl-d14
Concen: 51.207 ng
RT: 19.807 min Scan# 2845
Delta R.T. 0.000 min
Lab File: BG064495.D
Acq: 3 Oct 2025 20:21

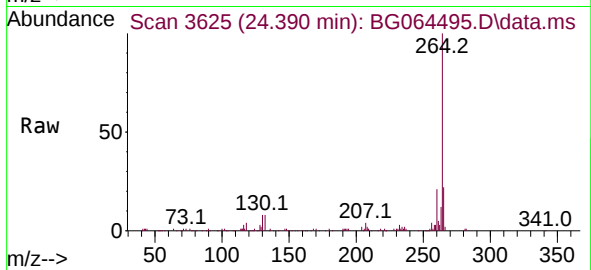
Tgt Ion:244 Resp: 350772
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 5.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.390 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BG064495.D
 Acq: 3 Oct 2025 20:21

Instrument :
 BNA_G
 ClientSampleId :
 RT5417-CONCRETE



Tgt Ion:264 Resp: 147451

Ion	Ratio	Lower	Upper
264	100		
260	21.3	16.2	24.4
265	22.2	15.0	22.4

