

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064542.D
 Acq On : 17 Oct 2025 19:12
 Operator : RC/JU
 Sample : Q3363-02
 Misc : 8270/625.1 SPIKE
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-039085-20251015

Quant Time: Oct 17 23:22:06 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)

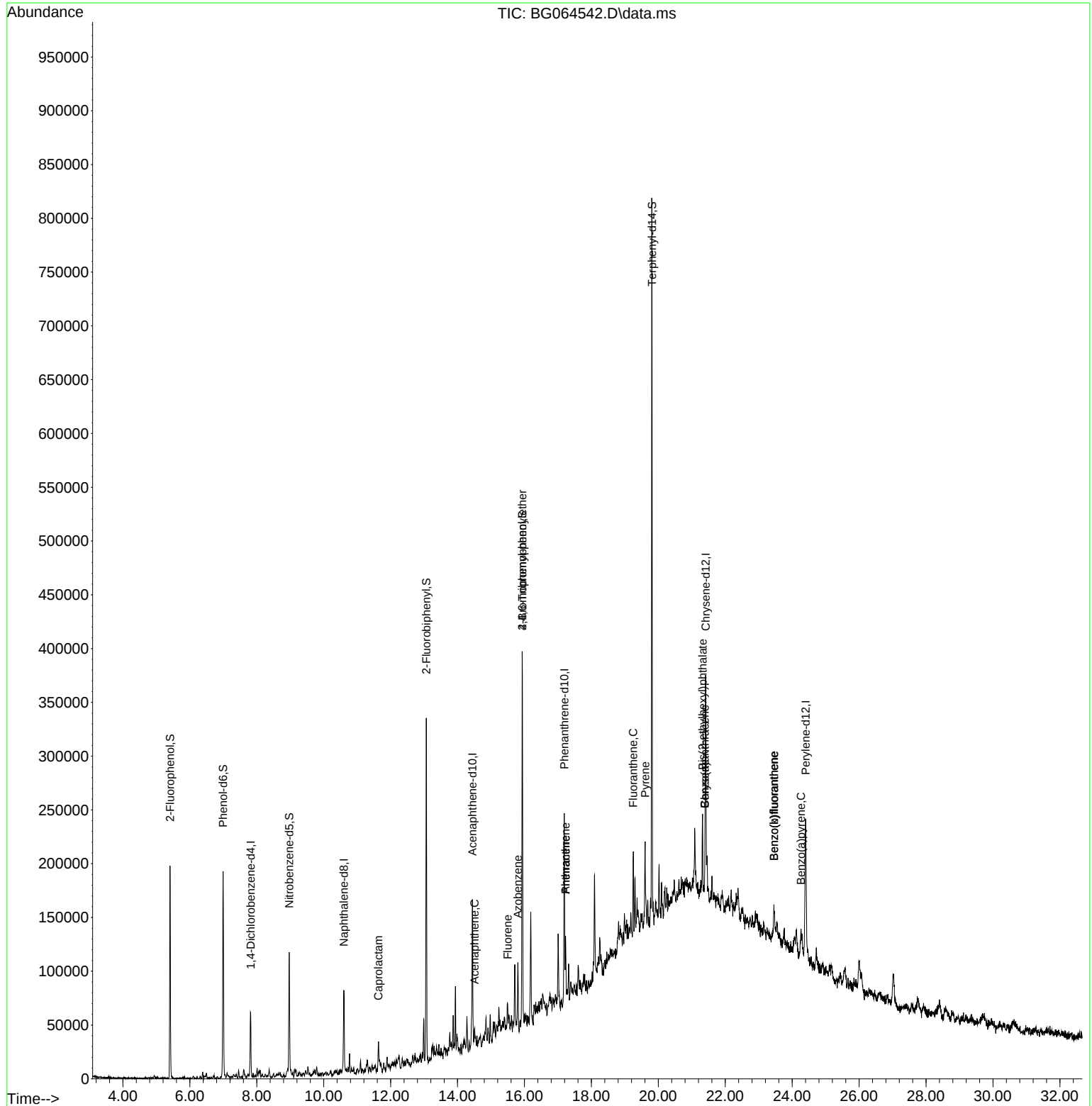
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	14350	20.000	ng	0.00
21) Naphthalene-d8	10.603	136	59289	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	41893	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	102654	20.000	ng	0.00
76) Chrysene-d12	21.414	240	115906	20.000	ng	0.00
86) Perylene-d12	24.398	264	131885	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.409	112	71909	92.739	ng	0.00
7) Phenol-d6	6.995	99	88539	84.971	ng	0.00
23) Nitrobenzene-d5	8.970	82	60080	54.487	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	69882	92.026	ng	0.00
45) 2-Fluorobiphenyl	13.065	172	152882	53.791	ng	0.00
79) Terphenyl-d14	19.810	244	317816	51.893	ng	0.00
Target Compounds						
						Qvalue
35) Caprolactam	11.631	113	905	2.735	ng	# 18
52) Acenaphthene	14.510	154	5792	2.496	ng	86
58) Fluorene	15.497	166	9815	3.082	ng	# 81
63) Azobenzene	15.803	77	13512	4.957	ng	# 9
67) 4-Bromophenyl-phenylether	15.938	248	4587	3.797	ng	# 1
71) Phenanthrene	17.230	178	35938	6.694	ng	98
72) Anthracene	17.230	178	35938	6.673	ng	98
75) Fluoranthene	19.252	202	44438	6.929	ng	91
78) Pyrene	19.604	202	44716	5.945	ng	# 93
81) Benzo(a)anthracene	21.390	228	21984	2.971	ng	94
83) Chrysene	21.390	228	21984	3.132	ng	94
84) Bis(2-ethylhexyl)phtha...	21.320	149	28940	7.692	ng	# 86
88) Benzo(b)fluoranthene	23.453	252	28308	3.773	ng	# 77
89) Benzo(k)fluoranthene	23.453	252	28308	3.746	ng	# 77
90) Benzo(a)pyrene	24.263	252	21239	3.071	ng	# 84

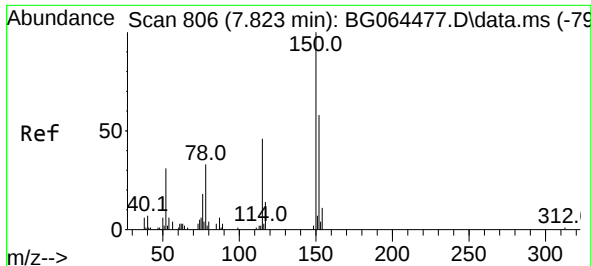
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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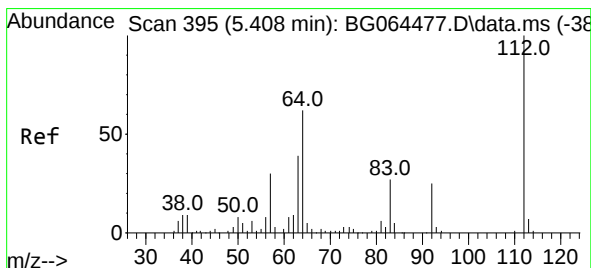
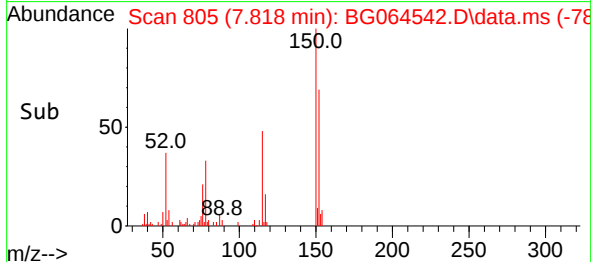
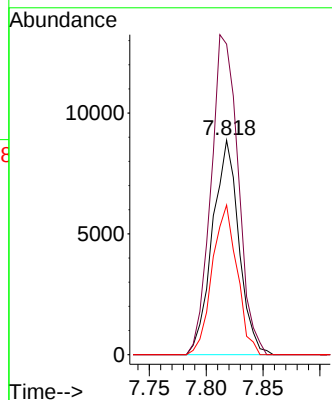
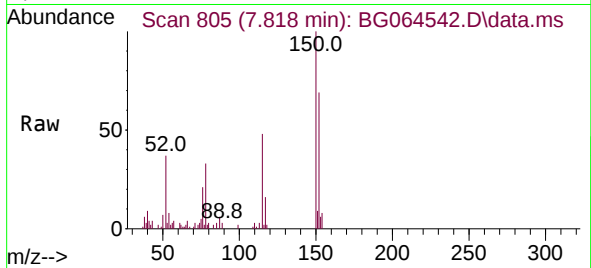




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.818 min Scan# 806
 Delta R.T. -0.002 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

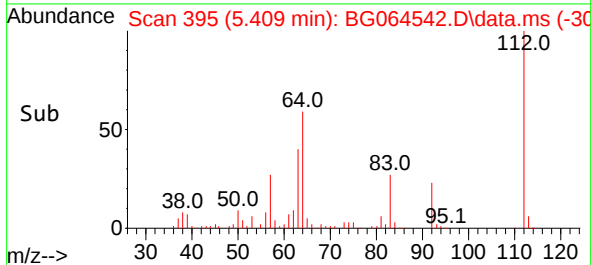
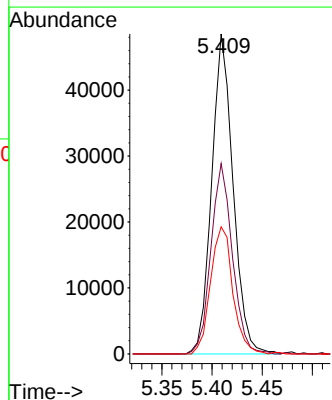
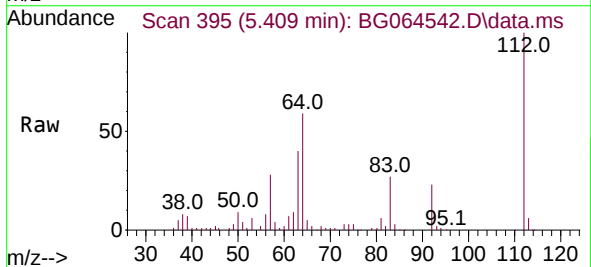
Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-039085-20251015

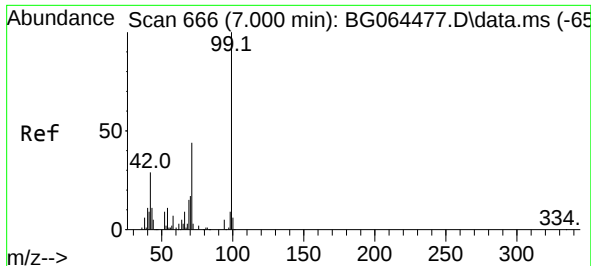
Tgt Ion:152 Resp: 14350
 Ion Ratio Lower Upper
 152 100
 150 144.8 138.6 207.8
 115 69.7 63.4 95.2



#5
 2-Fluorophenol
 Concen: 92.739 ng
 RT: 5.409 min Scan# 395
 Delta R.T. 0.003 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

Tgt Ion:112 Resp: 71909
 Ion Ratio Lower Upper
 112 100
 64 59.5 49.8 74.8
 63 39.7 31.3 46.9

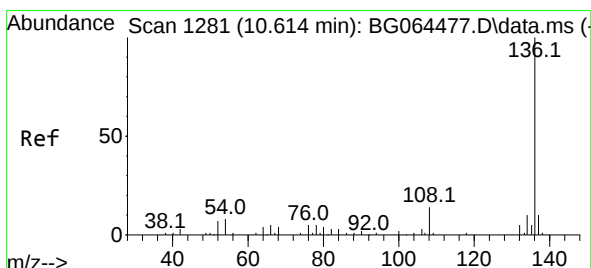
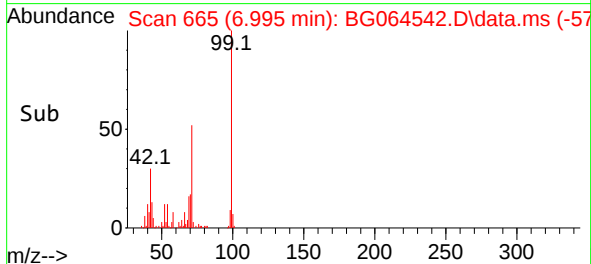
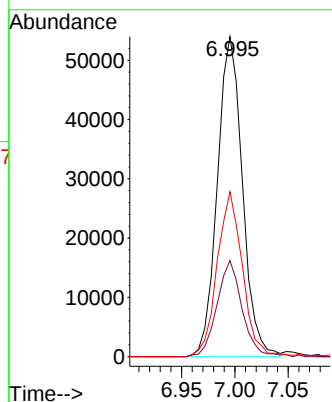
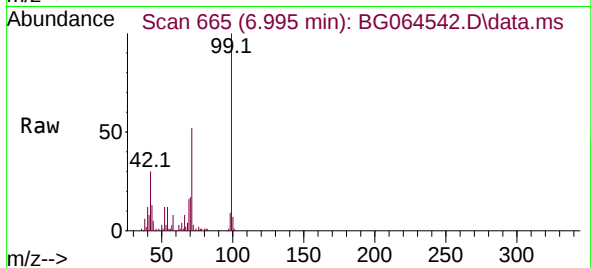




#7
Phenol-d6
Concen: 84.971 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

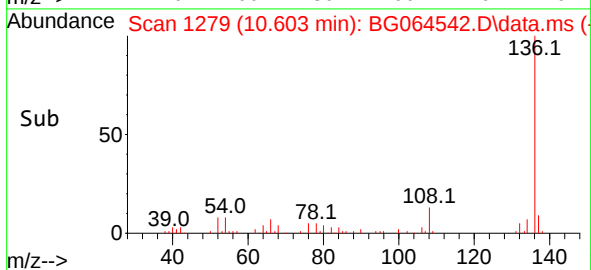
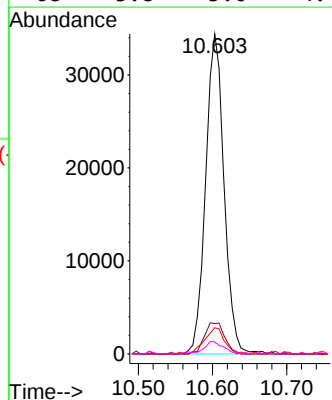
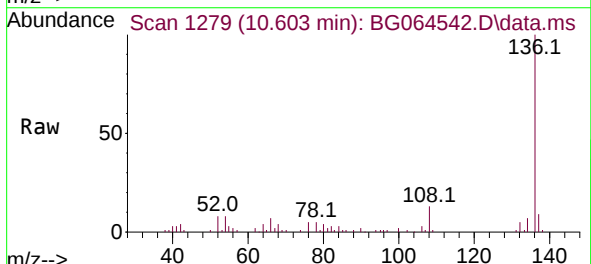
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

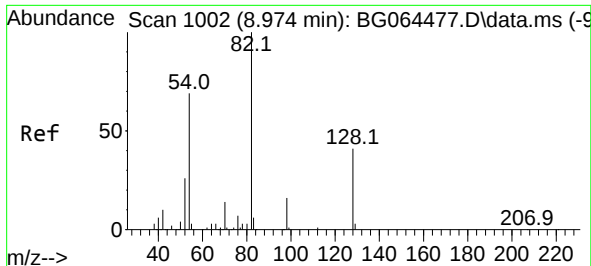
Tgt Ion:	99	Resp:	88539
Ion Ratio	Lower	Upper	
99	100		
42	30.0	22.9	34.3
71	51.5	35.4	53.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:	136	Resp:	59289
Ion Ratio	Lower	Upper	
136	100		
137	9.5	8.3	12.5
54	8.2	6.2	9.4
68	3.8	3.0	4.4





#23

Nitrobenzene-d5

Concen: 54.487 ng

RT: 8.970 min Scan# 10

Delta R.T. 0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA_G

ClientSampleId :

PR132-SO1-039085-20251015

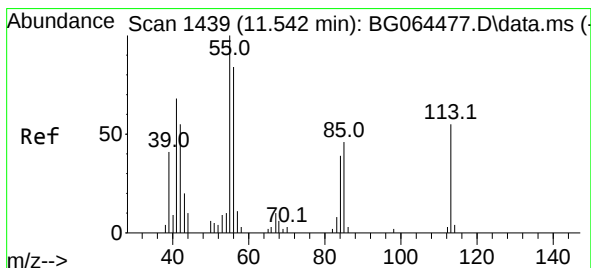
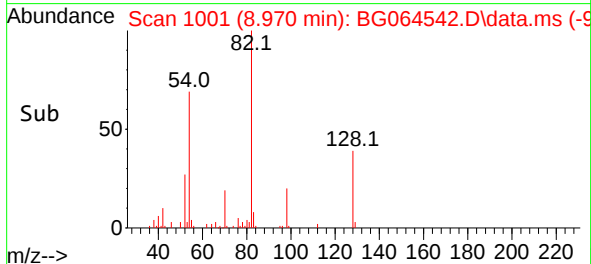
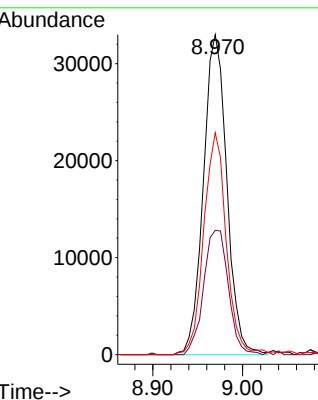
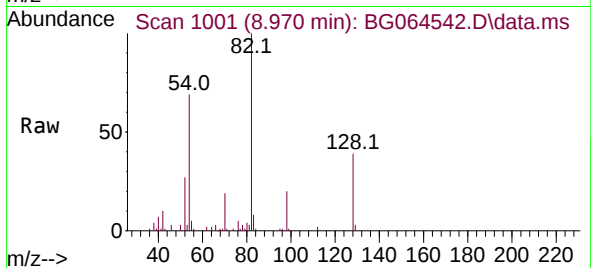
Tgt Ion: 82 Resp: 60080

Ion Ratio Lower Upper

82 100

128 38.8 33.1 49.7

54 69.3 55.4 83.2



#35

Caprolactam

Concen: 2.735 ng

RT: 11.631 min Scan# 1454

Delta R.T. 0.121 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

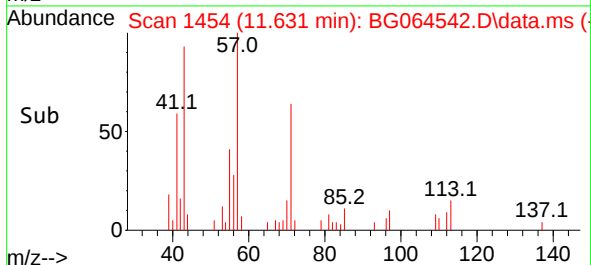
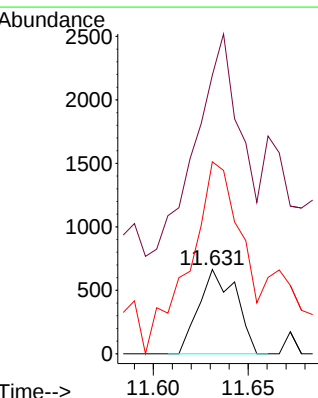
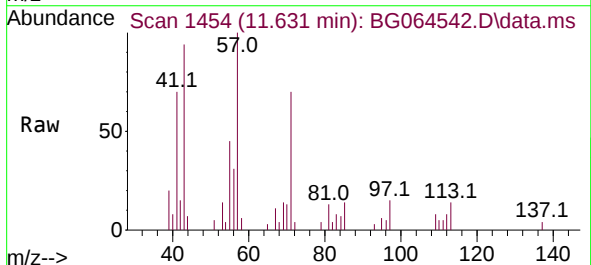
Tgt Ion: 113 Resp: 905

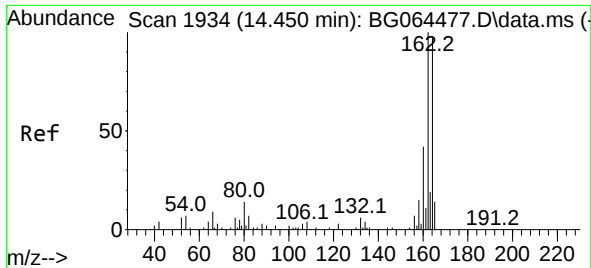
Ion Ratio Lower Upper

113 100

55 330.1 162.0 202.0#

56 227.5 134.6 174.6#

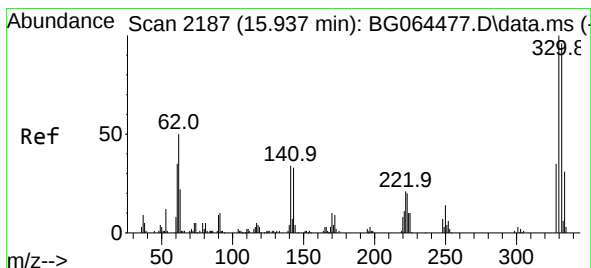
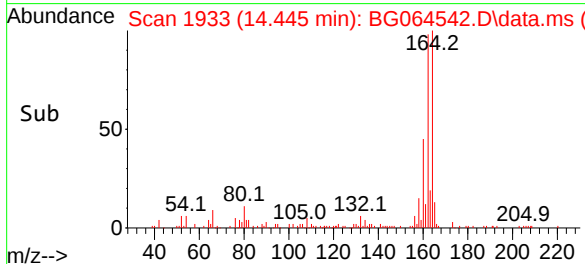
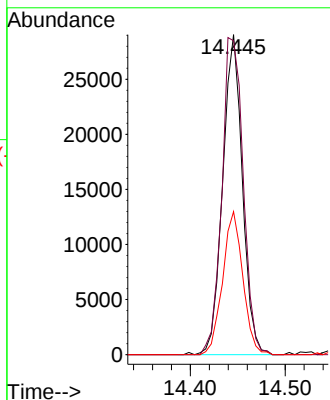
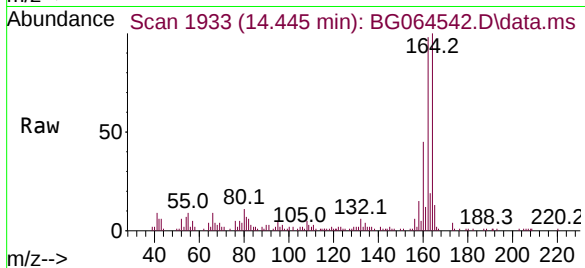




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1934
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

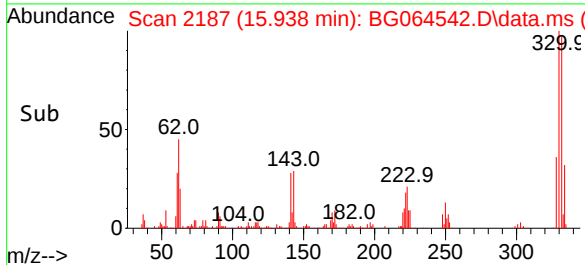
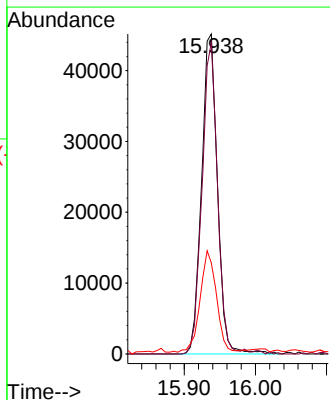
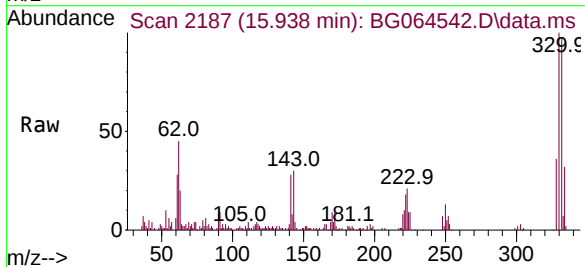
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

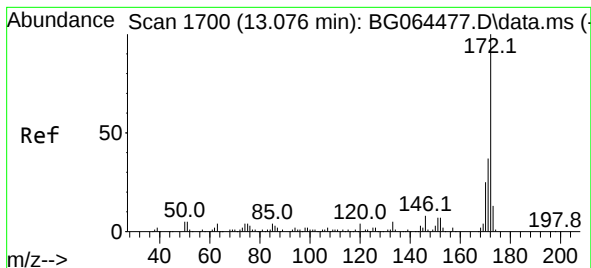
Tgt Ion:164 Resp: 41893
Ion Ratio Lower Upper
164 100
162 98.1 82.2 123.2
160 44.7 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 92.026 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:330 Resp: 69882
Ion Ratio Lower Upper
330 100
332 94.3 77.4 116.0
141 32.4 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 53.791 ng

RT: 13.065 min Scan# 1698

Delta R.T. -0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA_G

ClientSampleId :

PR132-SO1-039085-20251015

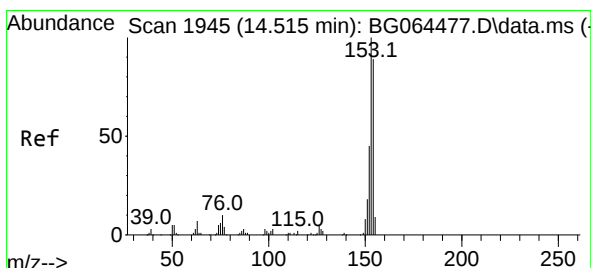
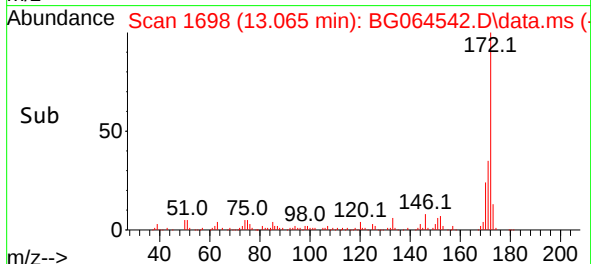
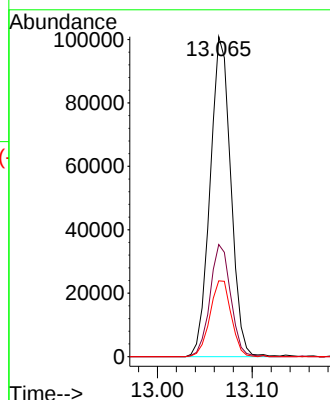
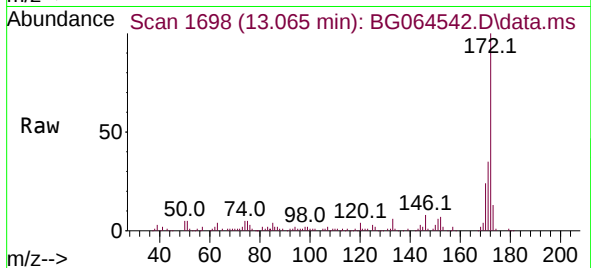
Tgt Ion:172 Resp: 152882

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

170 23.7 20.2 30.2



#52

Acenaphthene

Concen: 2.496 ng

RT: 14.510 min Scan# 1944

Delta R.T. -0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

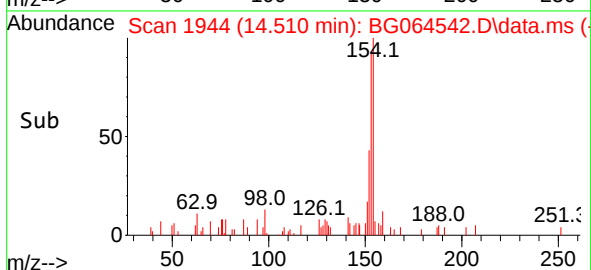
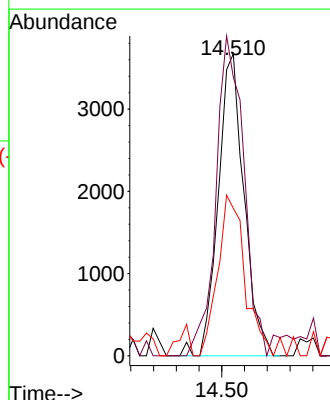
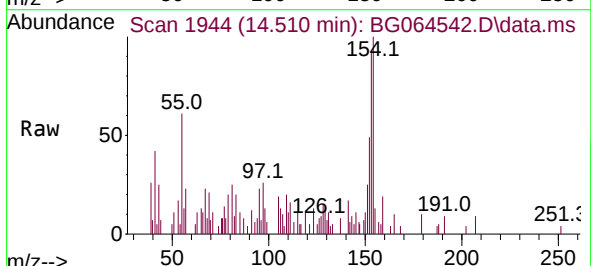
Tgt Ion:154 Resp: 5792

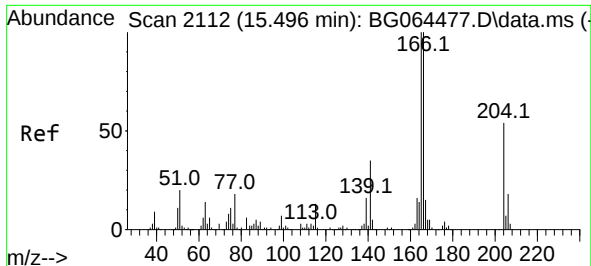
Ion Ratio Lower Upper

154 100

153 92.3 90.2 135.4

152 48.8 40.2 60.4

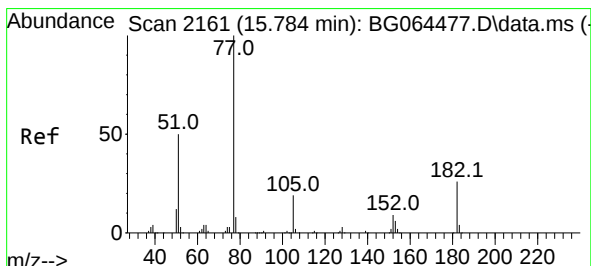
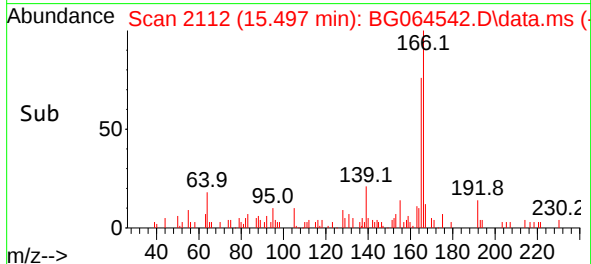
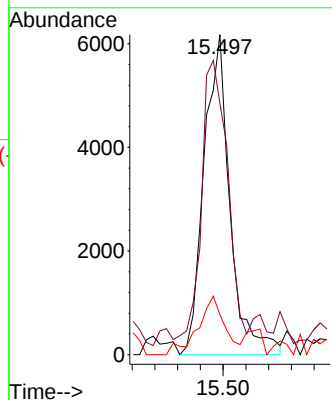
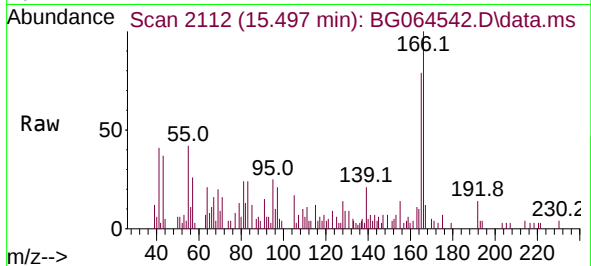




#58
 Fluorene
 Concen: 3.082 ng
 RT: 15.497 min Scan# 2112
 Delta R.T. 0.003 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

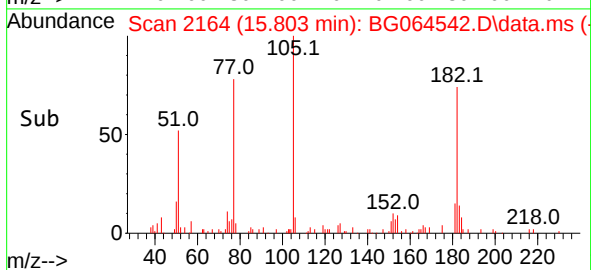
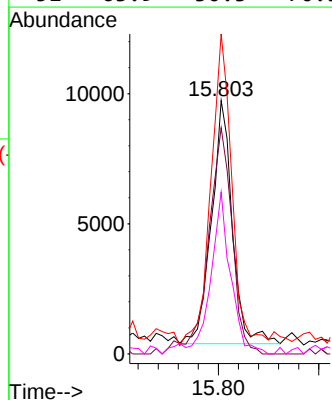
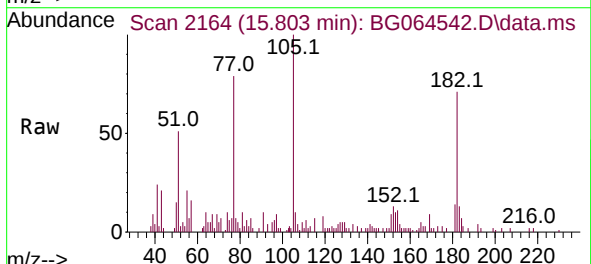
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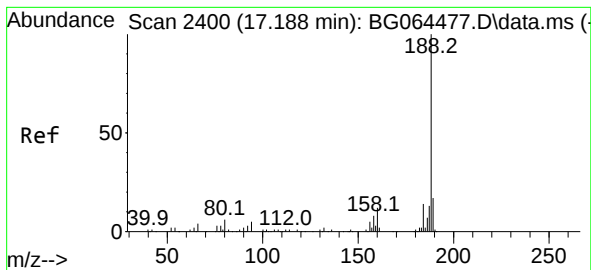
Tgt Ion:166 Resp: 9815
 Ion Ratio Lower Upper
 166 100
 165 78.6 79.8 119.6#
 167 12.5 11.7 17.5



#63
 Azobenzene
 Concen: 4.957 ng
 RT: 15.803 min Scan# 2164
 Delta R.T. 0.021 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

Tgt Ion: 77 Resp: 13512
 Ion Ratio Lower Upper
 77 100
 182 89.3 6.3 46.3#
 105 126.3 0.0 38.7#
 51 63.9 30.3 70.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 24

Delta R.T. 0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA_G

ClientSampleId :

PR132-SO1-039085-20251015

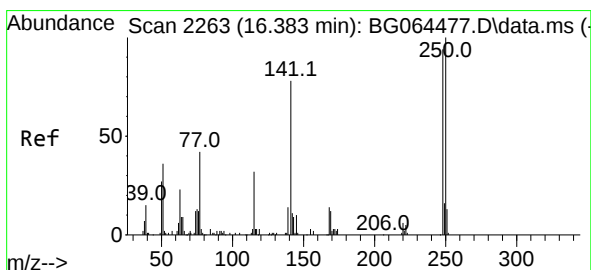
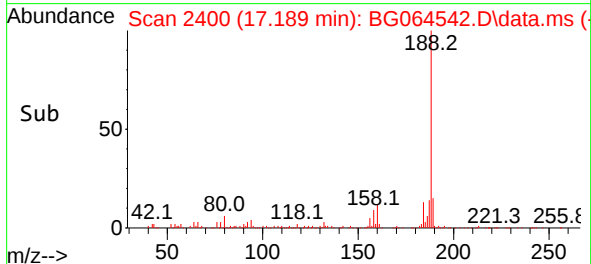
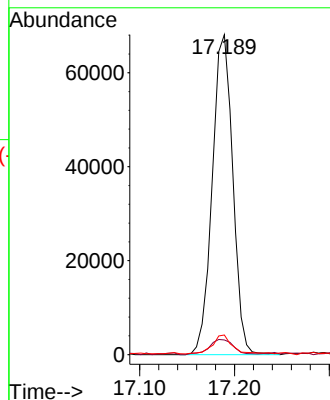
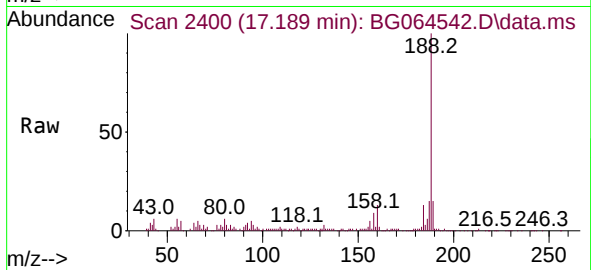
Tgt Ion:188 Resp: 102654

Ion Ratio Lower Upper

188 100

94 4.6 3.7 5.5

80 6.1 4.5 6.7



#67

4-Bromophenyl-phenylether

Concen: 3.797 ng

RT: 15.938 min Scan# 2187

Delta R.T. -0.443 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

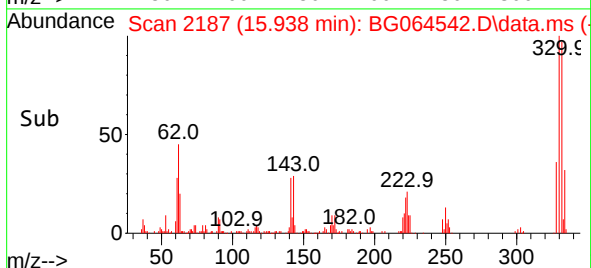
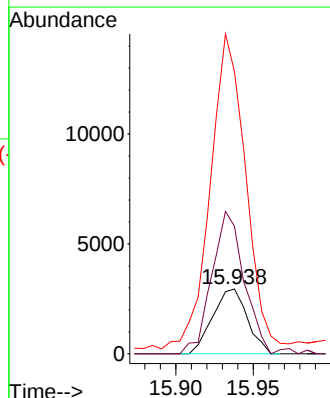
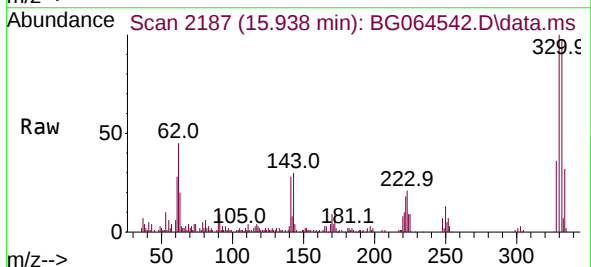
Tgt Ion:248 Resp: 4587

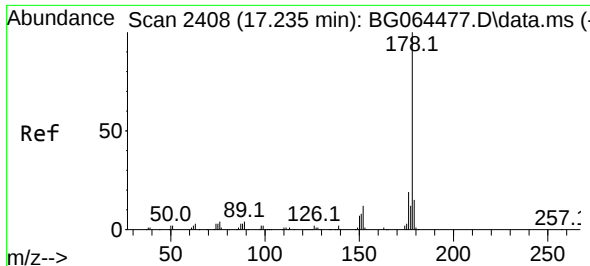
Ion Ratio Lower Upper

248 100

250 196.5 85.3 127.9#

141 434.6 66.2 99.2#

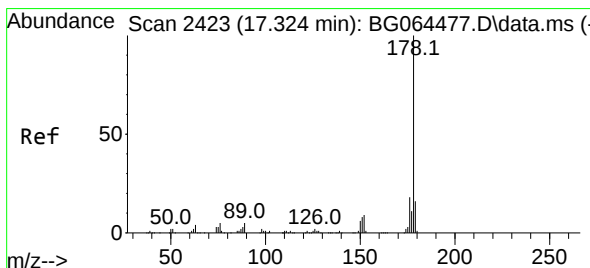
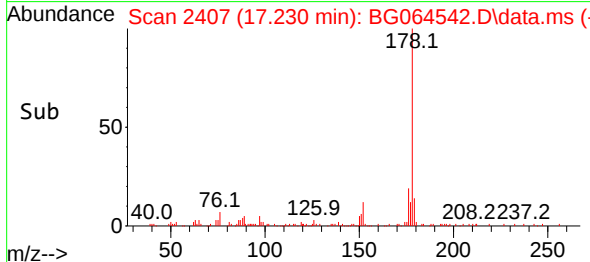
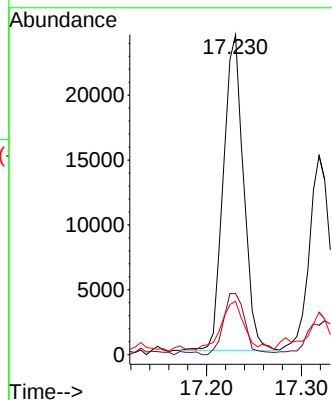
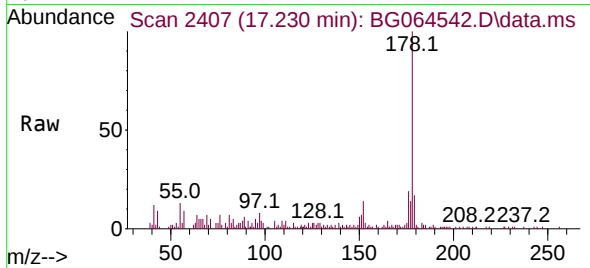




#71
Phenanthrene
Concen: 6.694 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

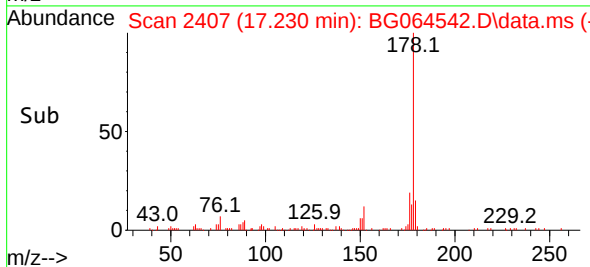
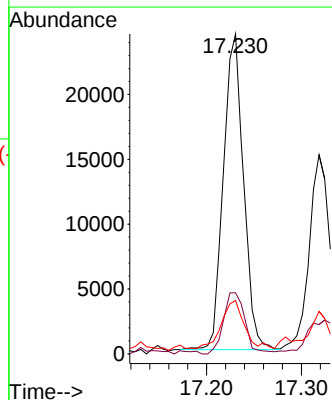
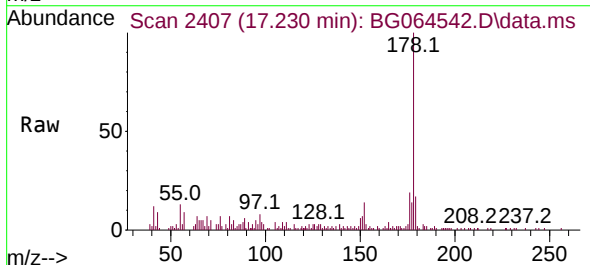
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

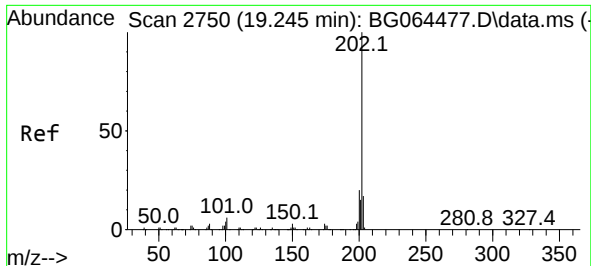
Tgt Ion:178 Resp: 35938
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 16.7 11.8 17.6



#72
Anthracene
Concen: 6.673 ng
RT: 17.230 min Scan# 2407
Delta R.T. -0.091 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:178 Resp: 35938
Ion Ratio Lower Upper
178 100
176 19.1 14.6 21.8
179 16.7 12.5 18.7

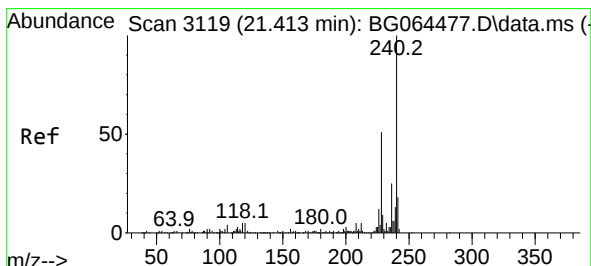
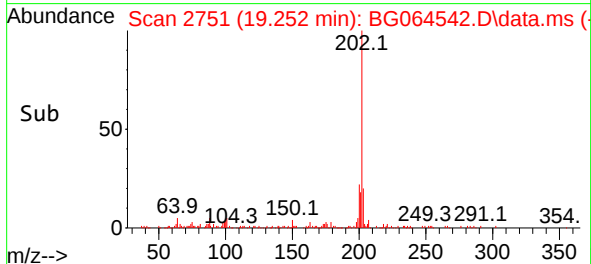
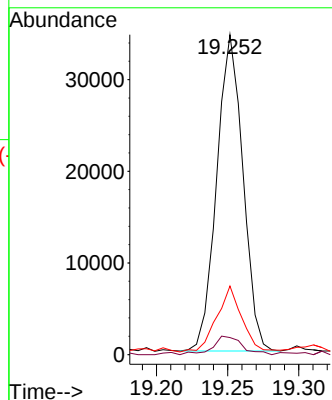
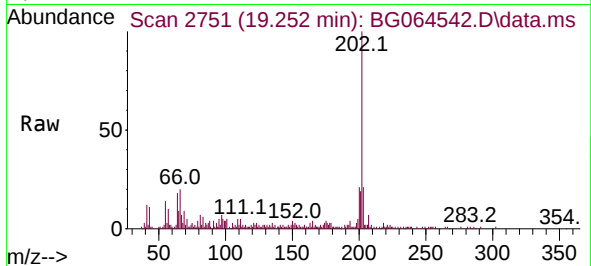




#75
 Fluoranthene
 Concen: 6.929 ng
 RT: 19.252 min Scan# 21
 Delta R.T. 0.015 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

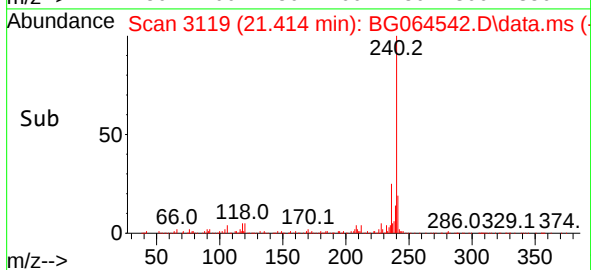
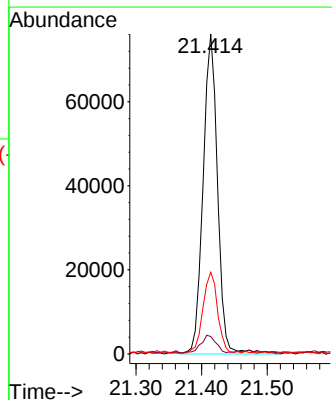
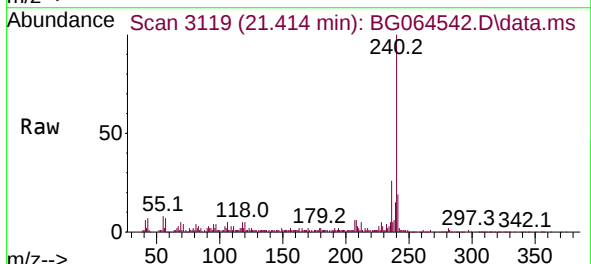
Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-039085-20251015

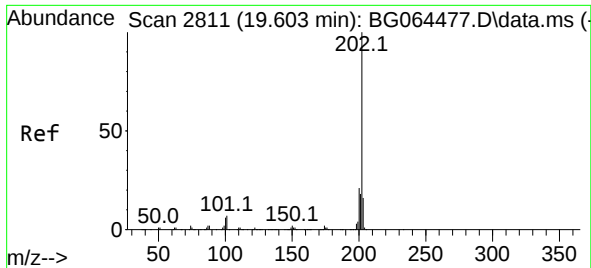
Tgt Ion:202 Resp: 44438
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 25.7
 203 21.4 0.0 36.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.414 min Scan# 3119
 Delta R.T. 0.004 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

Tgt Ion:240 Resp: 115906
 Ion Ratio Lower Upper
 240 100
 120 5.4 4.3 6.5
 236 25.5 20.4 30.6

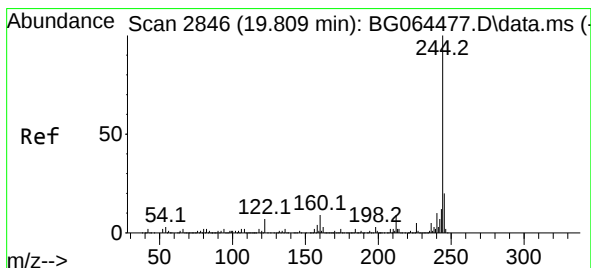
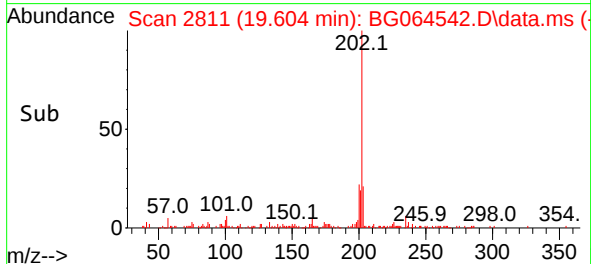
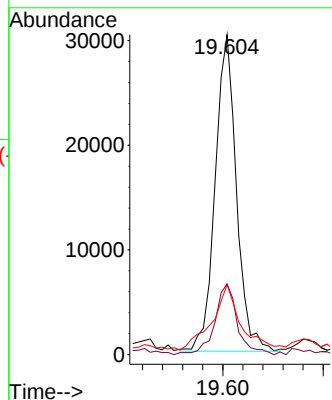
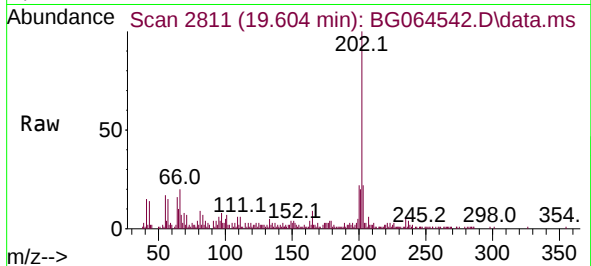




#78
Pyrene
Concen: 5.945 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

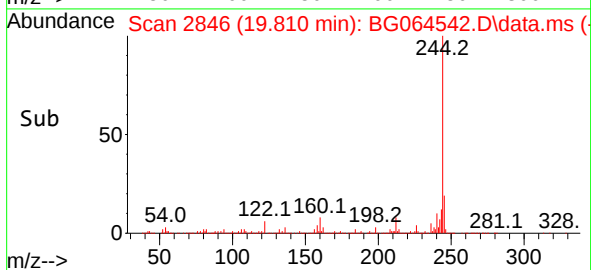
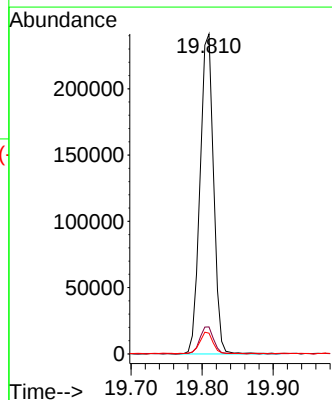
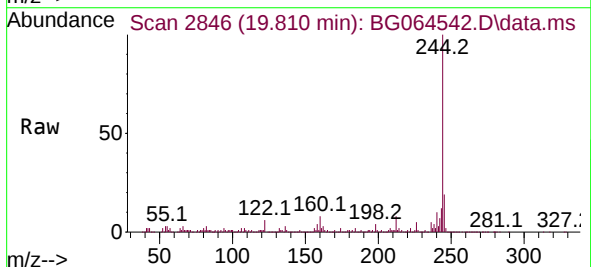
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

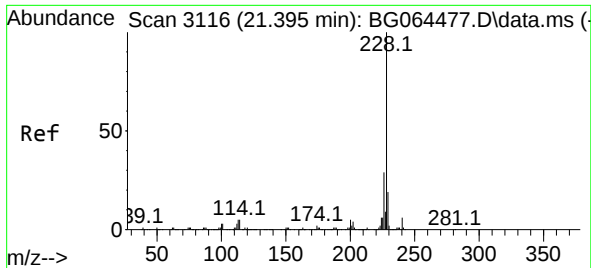
Tgt Ion:	202	Resp:	44716
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.0	25.4
203	21.8	13.0	19.4



#79
Terphenyl-d14
Concen: 51.893 ng
RT: 19.810 min Scan# 2846
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:	244	Resp:	317816
Ion Ratio	Lower	Upper	
244	100		
212	8.4	7.0	10.6
122	6.5	5.6	8.4

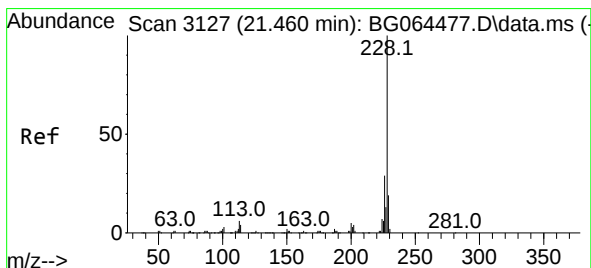
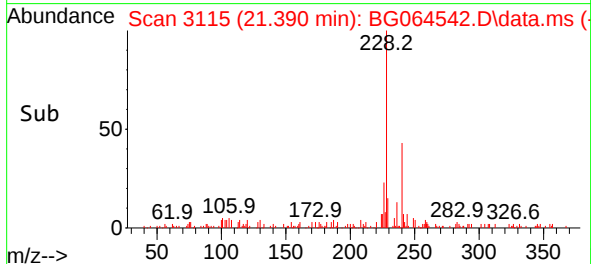
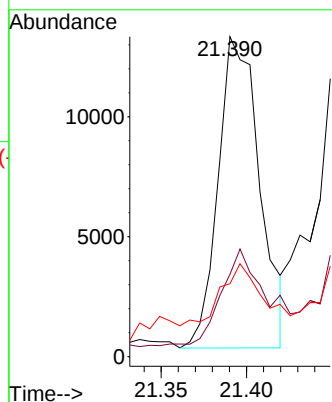
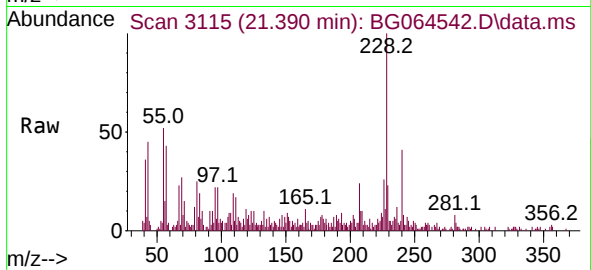




#81
Benzo(a)anthracene
Concen: 2.971 ng
RT: 21.390 min Scan# 3115
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

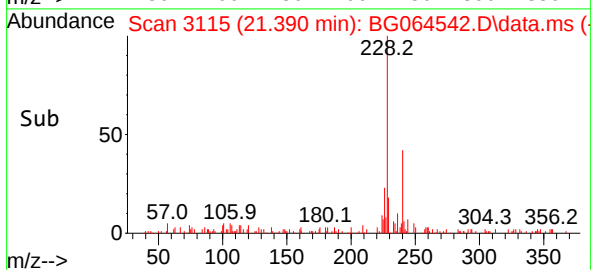
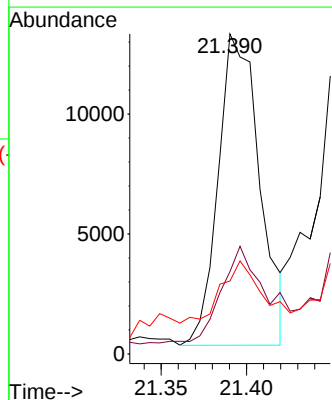
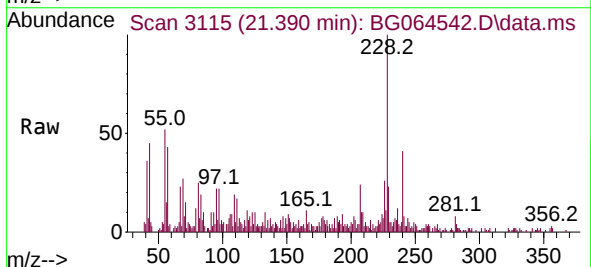
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

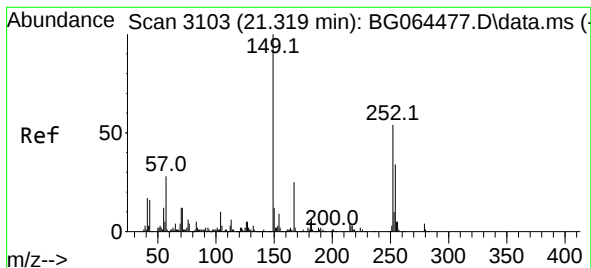
Tgt Ion:228	Resp:	21984
Ion Ratio	Lower	Upper
228	100	
226	25.7	22.8 34.2
229	22.8	15.2 22.8



#83
Chrysene
Concen: 3.132 ng
RT: 21.390 min Scan# 3115
Delta R.T. -0.061 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:228	Resp:	21984
Ion Ratio	Lower	Upper
228	100	
226	25.7	22.8 34.2
229	22.8	15.4 23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.692 ng

RT: 21.320 min Scan# 3103

Delta R.T. 0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA_G

ClientSampleId :

PR132-SO1-039085-20251015

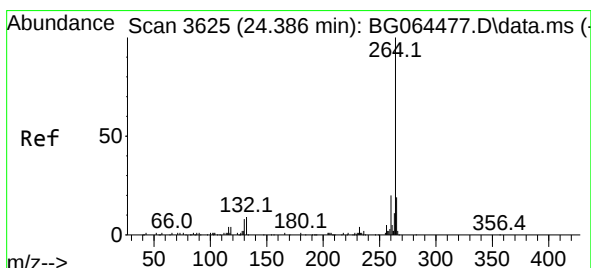
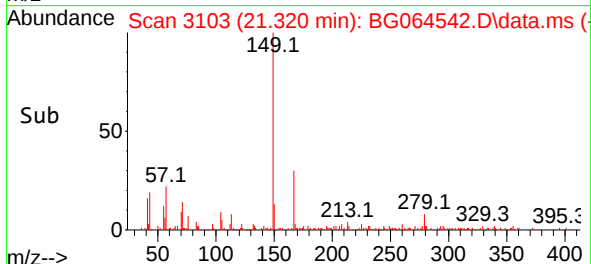
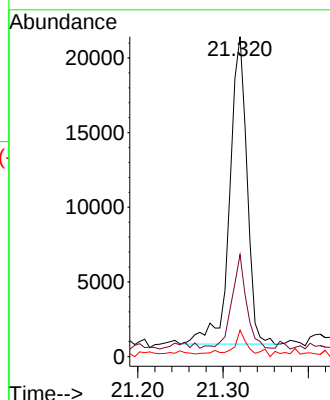
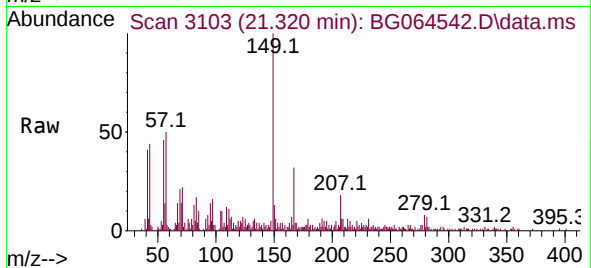
Tgt Ion:149 Resp: 28940

Ion Ratio Lower Upper

149 100

167 31.9 19.7 29.5#

279 8.3 3.4 5.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.398 min Scan# 3627

Delta R.T. 0.009 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

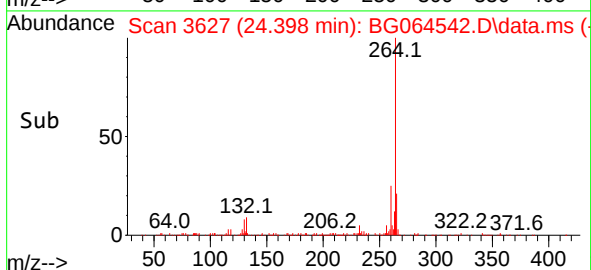
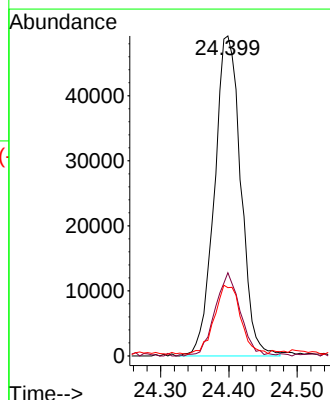
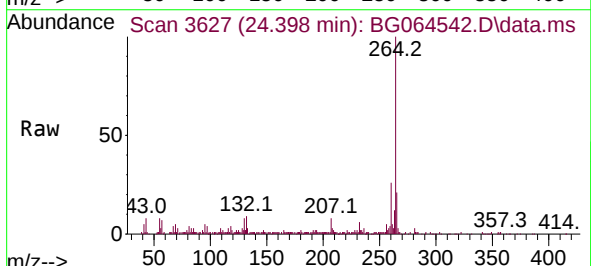
Tgt Ion:264 Resp: 131885

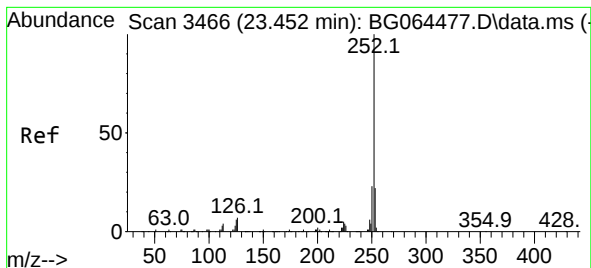
Ion Ratio Lower Upper

264 100

260 26.0 16.2 24.4#

265 21.3 15.0 22.4





#88

Benzo(b)fluoranthene

Concen: 3.773 ng

RT: 23.453 min Scan# 3466

Delta R.T. 0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA_G

ClientSampleId :

PR132-SO1-039085-20251015

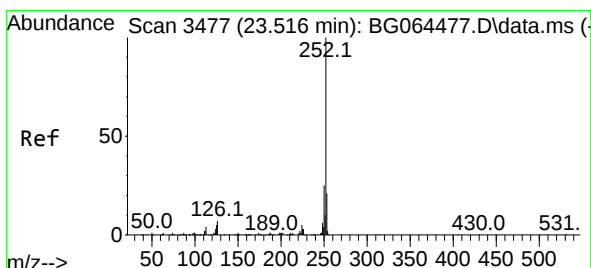
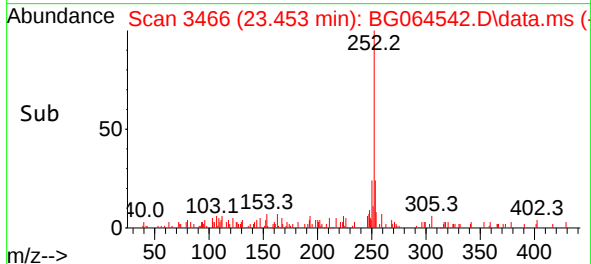
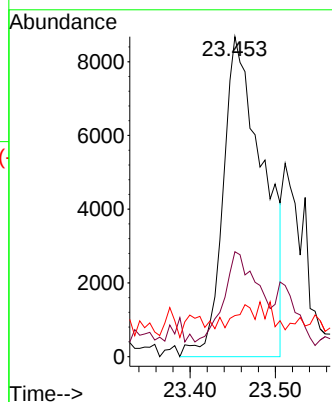
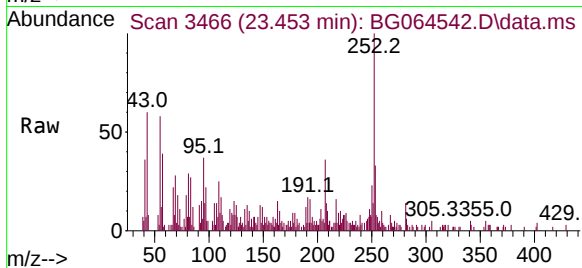
Tgt Ion:252 Resp: 28308

Ion Ratio Lower Upper

252 100

253 32.8 17.5 26.3#

125 12.8 4.5 6.7#



#89

Benzo(k)fluoranthene

Concen: 3.746 ng

RT: 23.453 min Scan# 3466

Delta R.T. -0.055 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

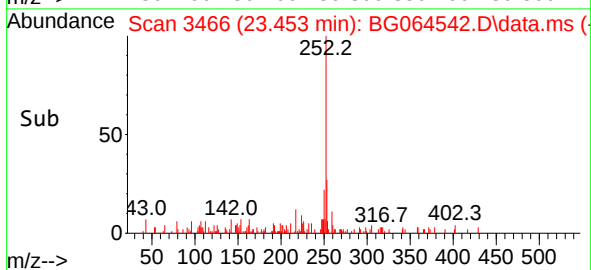
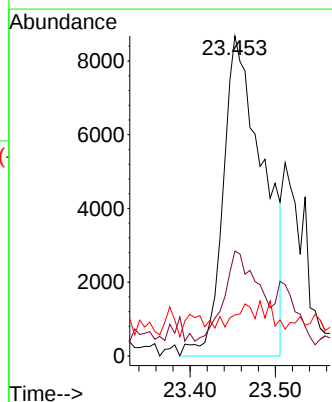
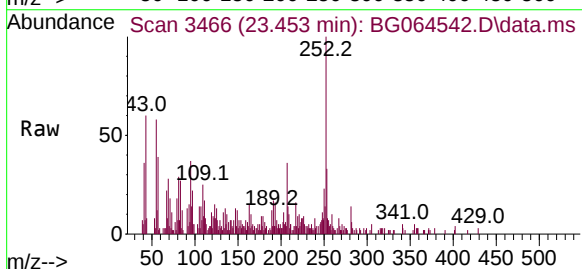
Tgt Ion:252 Resp: 28308

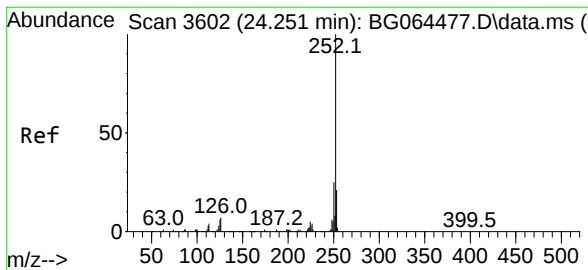
Ion Ratio Lower Upper

252 100

253 32.8 17.4 26.2#

125 12.8 4.0 6.0#





#90

Benzo(a)pyrene

Concen: 3.071 ng

RT: 24.263 min Scan# 30

Delta R.T. 0.015 min

Lab File: BG064542.D

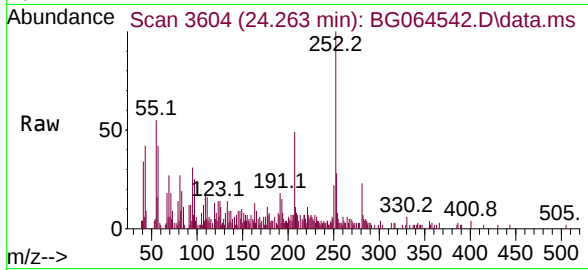
Acq: 17 Oct 2025 19:12

Instrument :

BNA_G

ClientSampleId :

PR132-SO1-039085-20251015



Tgt Ion:252 Resp: 21239

Ion Ratio Lower Upper

252 100

253 28.0 17.1 25.7#

125 14.2 4.6 6.8#

