

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
 Data File : BG064552.D
 Acq On : 20 Oct 2025 16:43
 Operator : RC/JU
 Sample : Q3386-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 237

Quant Time: Oct 20 17:18:45 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)

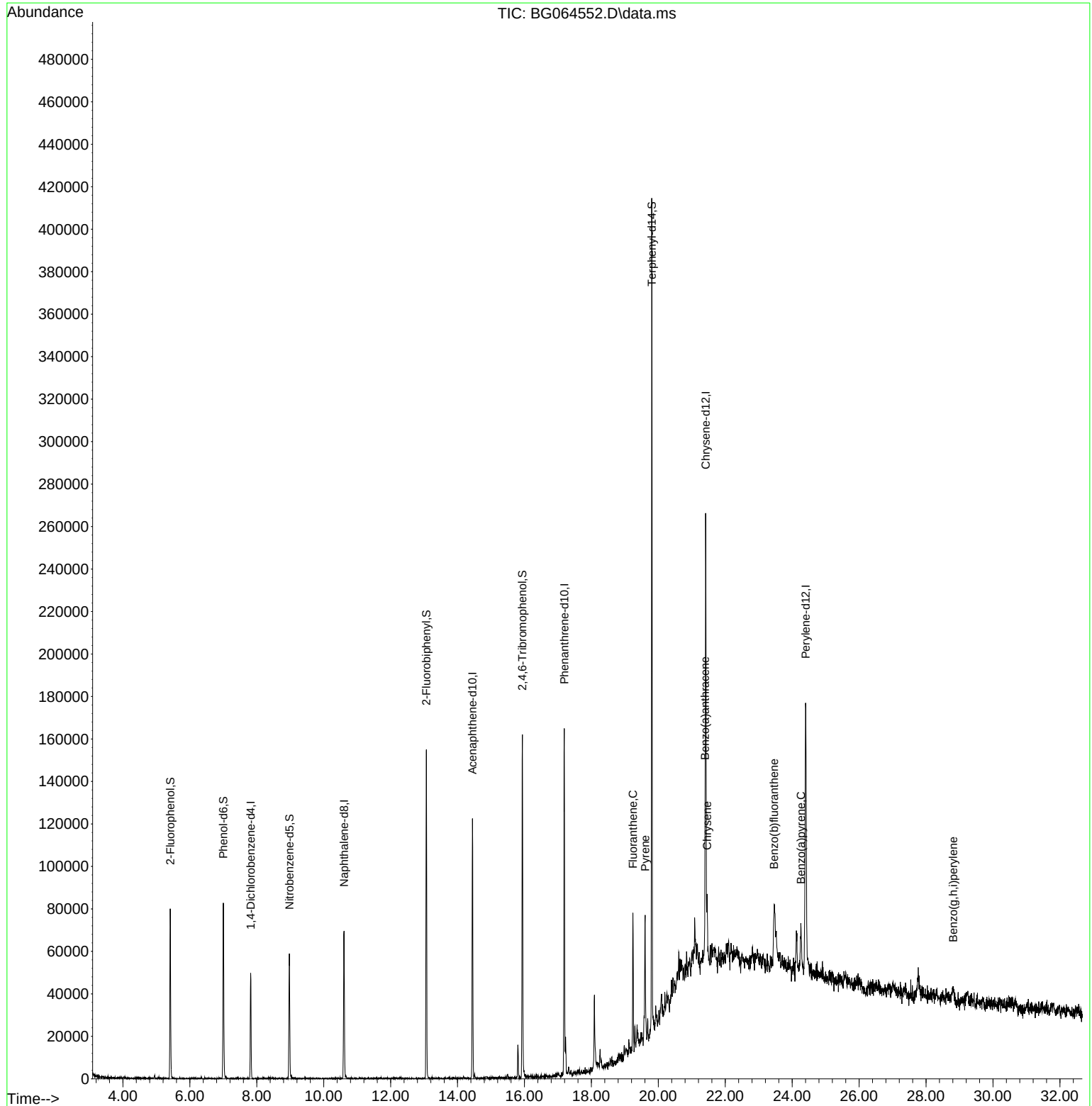
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	12430	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	58819	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	42222	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	100895	20.000	ng	0.00
76) Chrysene-d12	21.414	240	109819	20.000	ng	0.00
86) Perylene-d12	24.399	264	125470	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	29256	43.559	ng	0.00
7) Phenol-d6	7.001	99	36939	40.926	ng	0.02
23) Nitrobenzene-d5	8.976	82	31720	28.997	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	35571	46.478	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	80415	28.073	ng	0.00
79) Terphenyl-d14	19.804	244	175451	30.235	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.240	202	38482	6.105	ng	96
78) Pyrene	19.604	202	36011	5.053	ng	97
81) Benzo(a)anthracene	21.396	228	20623	2.941	ng	# 89
83) Chrysene	21.455	228	21786	3.276	ng	# 92
88) Benzo(b)fluoranthene	23.459	252	31053	4.350	ng	# 97
90) Benzo(a)pyrene	24.264	252	19610	2.981	ng	# 93
92) Benzo(g,h,i)perylene	28.805	276	14473	2.132	ng	# 81

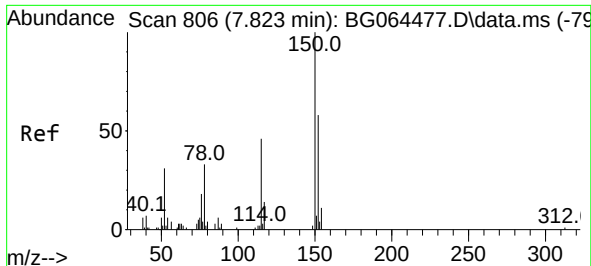
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064552.D
Acq On : 20 Oct 2025 16:43
Operator : RC/JU
Sample : Q3386-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
237

Quant Time: Oct 20 17:18:45 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

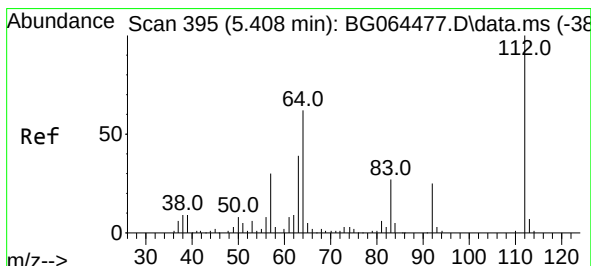
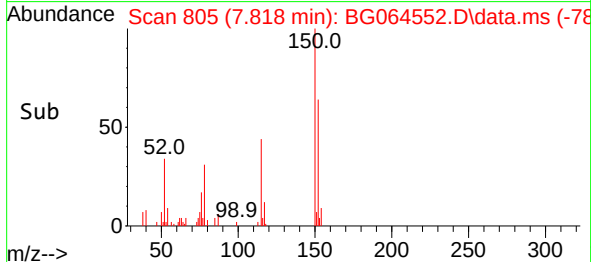
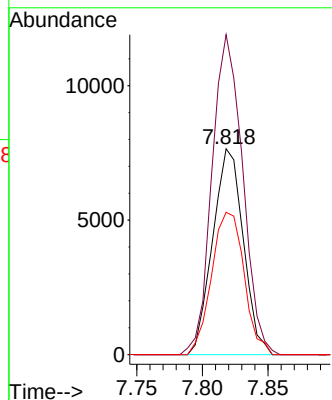
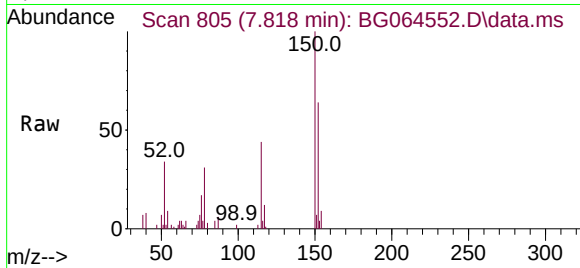




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.818 min Scan# 806
 Delta R.T. -0.002 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

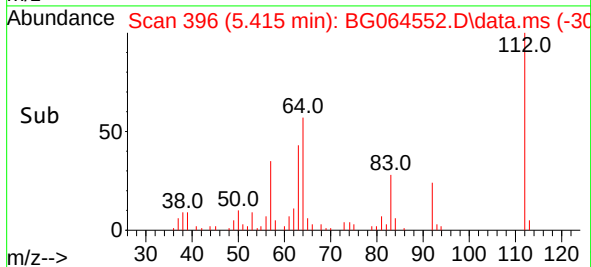
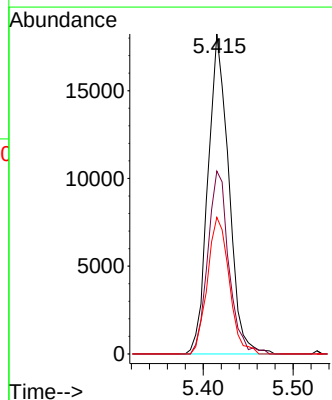
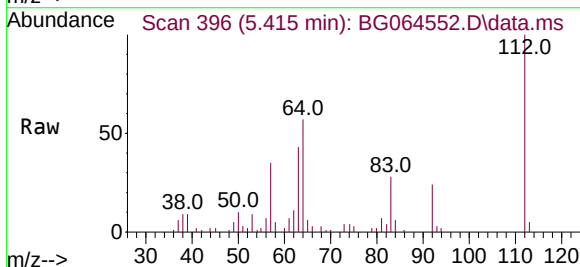
Instrument :
 BNA_G
 ClientSampleId :
 237

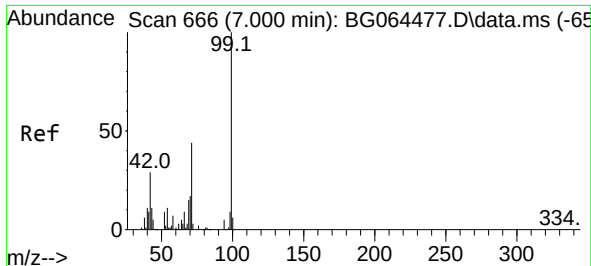
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	138.6	207.8
115	69.1	63.4	95.2



#5
 2-Fluorophenol
 Concen: 43.559 ng
 RT: 5.415 min Scan# 396
 Delta R.T. 0.009 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	49.8	74.8
63	42.7	31.3	46.9

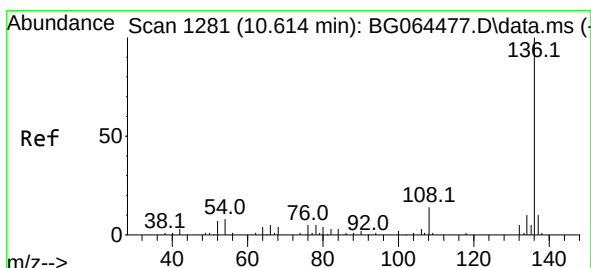
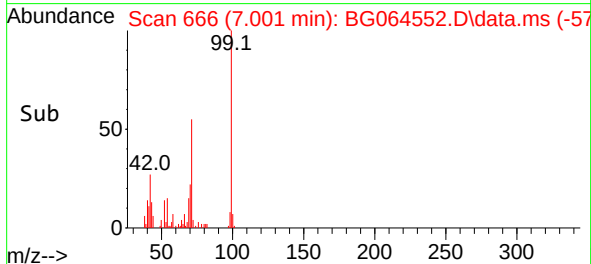
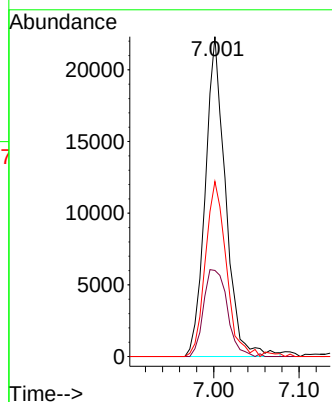
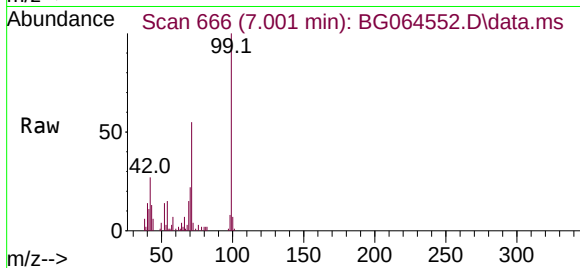




#7
Phenol-d6
Concen: 40.926 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

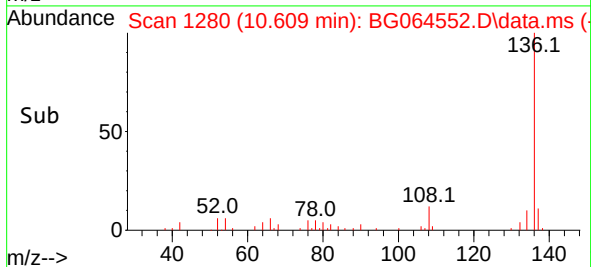
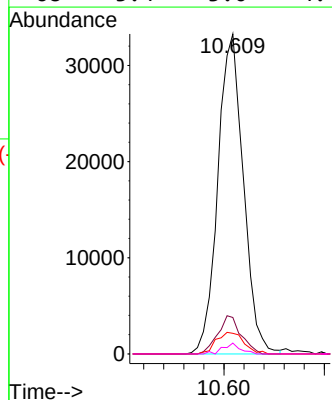
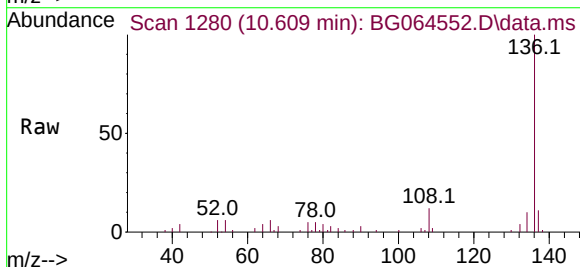
Instrument :
BNA_G
ClientSampleId :
237

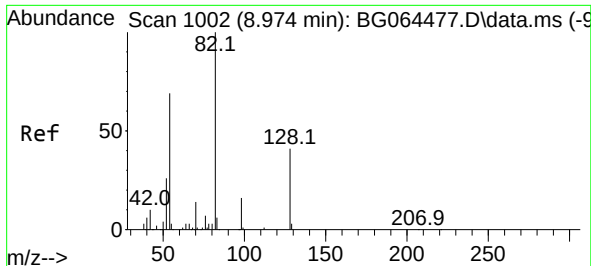
Tgt Ion: 99 Resp: 36939
Ion Ratio Lower Upper
99 100
42 26.9 22.9 34.3
71 54.7 35.4 53.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:136 Resp: 58819
Ion Ratio Lower Upper
136 100
137 11.4 8.3 12.5
54 6.4 6.2 9.4
68 3.4 3.0 4.4

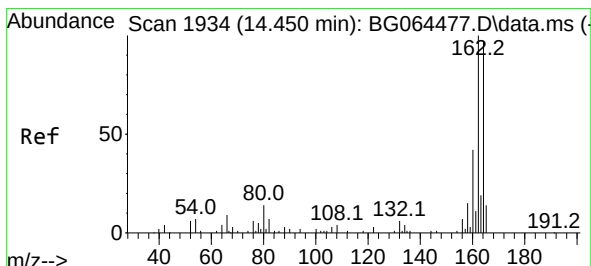
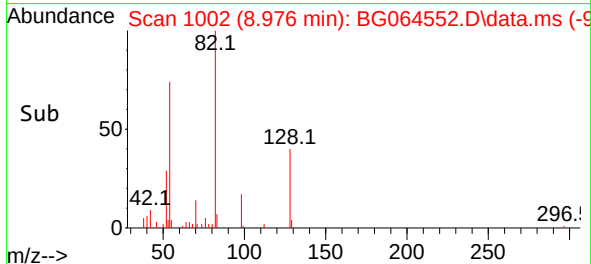
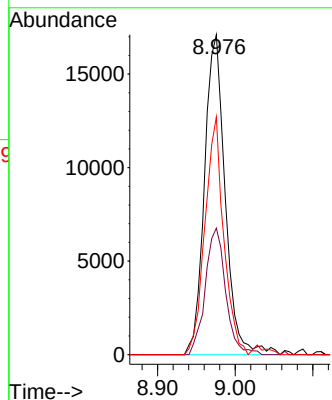
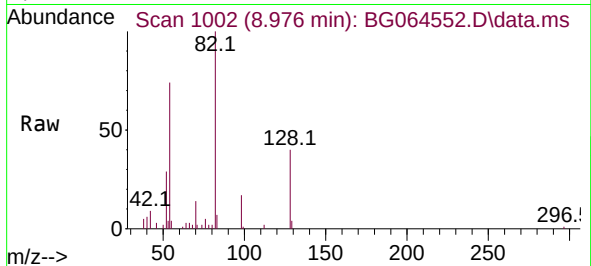




#23
Nitrobenzene-d5
Concen: 28.997 ng
RT: 8.976 min Scan# 10
Delta R.T. 0.009 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

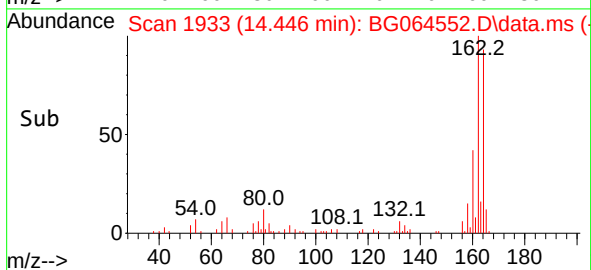
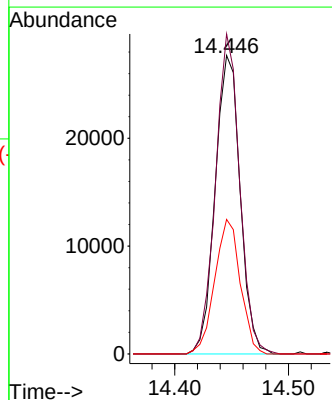
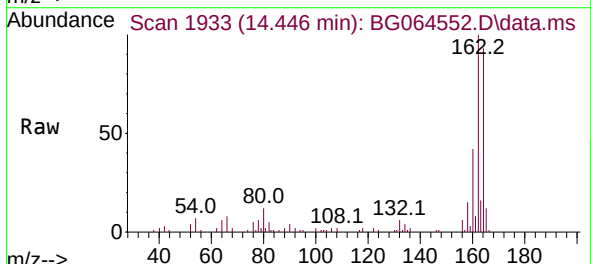
Instrument :
BNA_G
ClientSampleId :
237

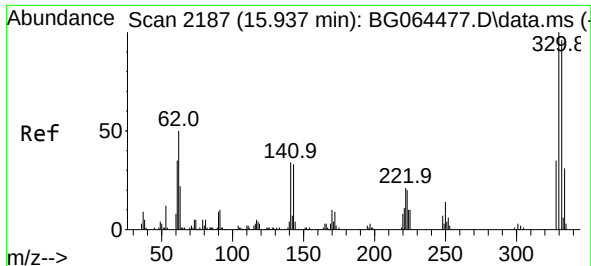
Tgt Ion:	82	Resp:	31720
Ion	Ratio	Lower	Upper
82	100		
128	39.5	33.1	49.7
54	74.3	55.4	83.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:	164	Resp:	42222
Ion	Ratio	Lower	Upper
164	100		
162	107.2	82.2	123.2
160	45.1	34.3	51.5

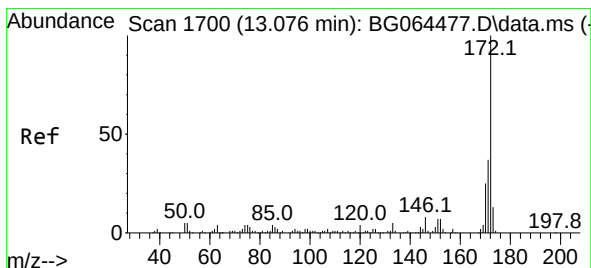
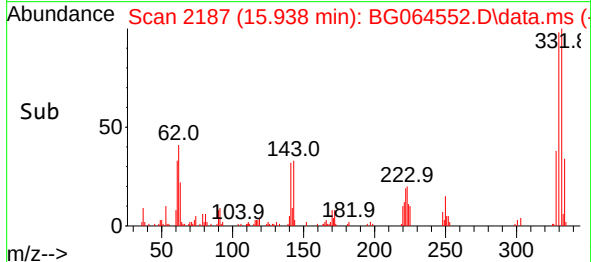
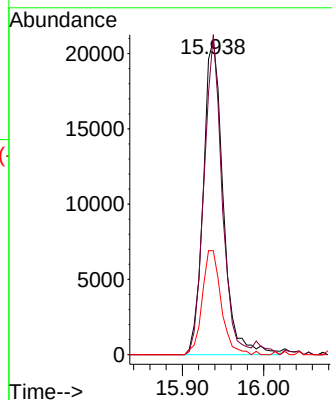
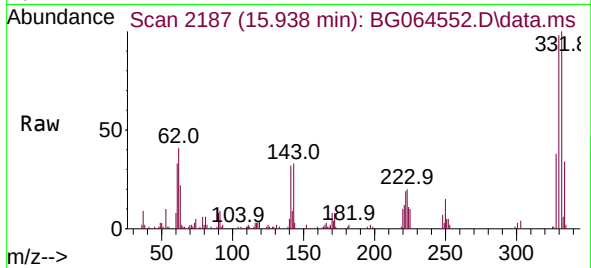




#42
2,4,6-Tribromophenol
Concen: 46.478 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

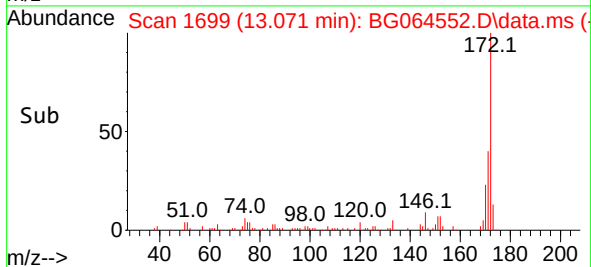
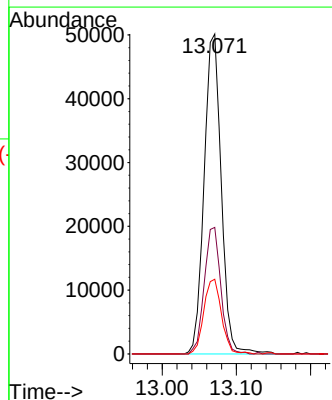
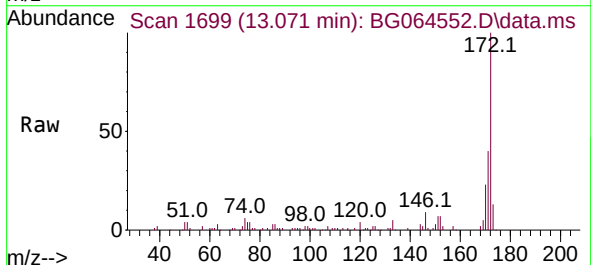
Instrument :
BNA_G
ClientSampleId :
237

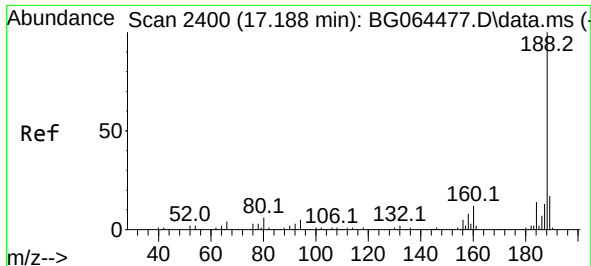
Tgt Ion:330 Resp: 35571
Ion Ratio Lower Upper
330 100
332 91.9 77.4 116.0
141 31.7 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 28.073 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:172 Resp: 80415
Ion Ratio Lower Upper
172 100
171 39.5 29.6 44.4
170 23.3 20.2 30.2

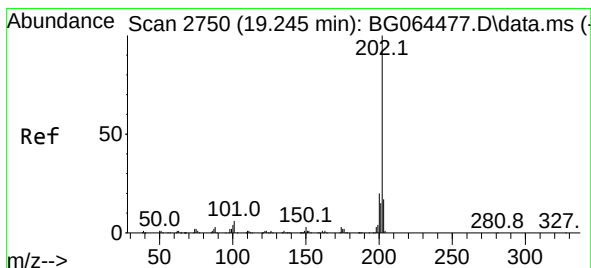
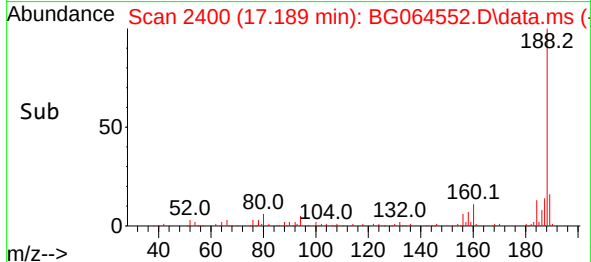
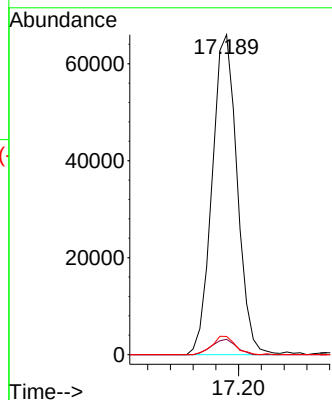
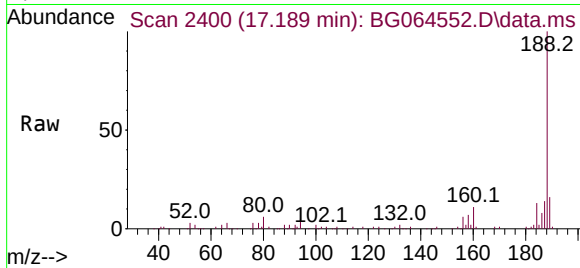




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

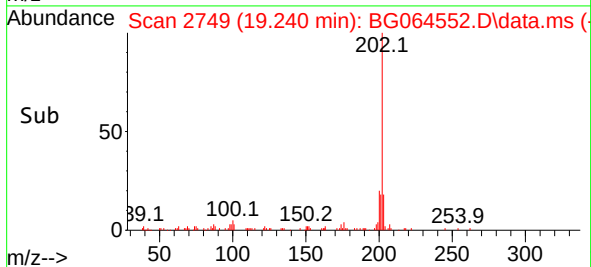
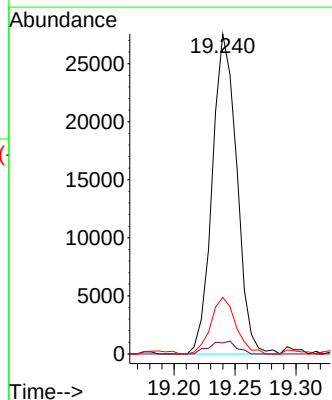
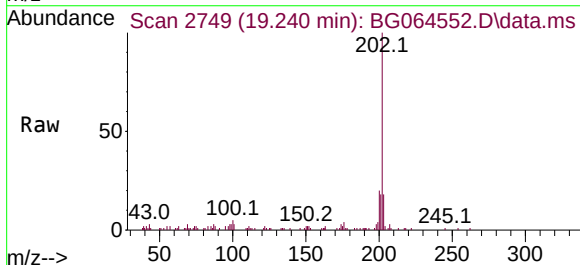
Instrument :
BNA_G
ClientSampleId :
237

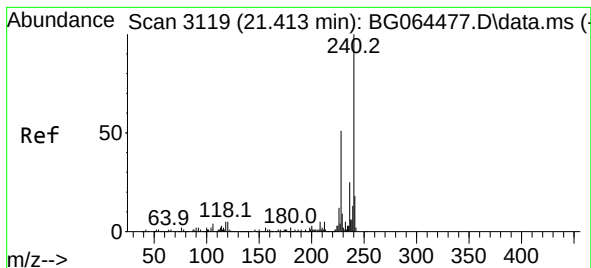
Tgt Ion:188 Resp: 100895
Ion Ratio Lower Upper
188 100
94 4.8 3.7 5.5
80 5.7 4.5 6.7



#75
Fluoranthene
Concen: 6.105 ng
RT: 19.240 min Scan# 2749
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:202 Resp: 38482
Ion Ratio Lower Upper
202 100
101 3.4 0.0 25.7
203 17.7 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: BG064552.D

Acq: 20 Oct 2025 16:43

Instrument :

BNA_G

ClientSampleId :

237

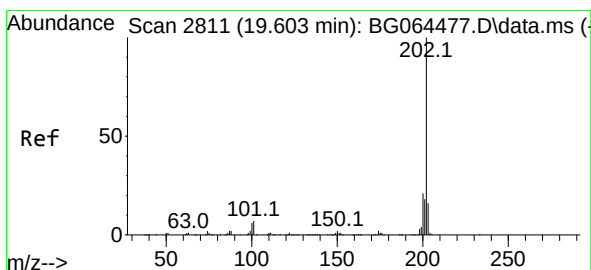
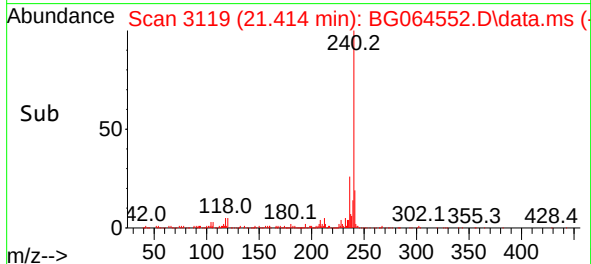
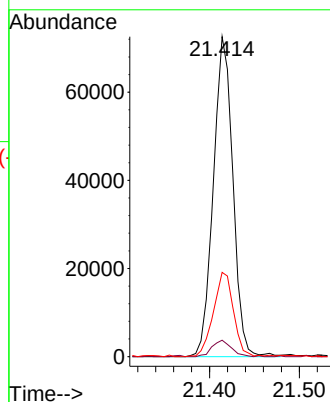
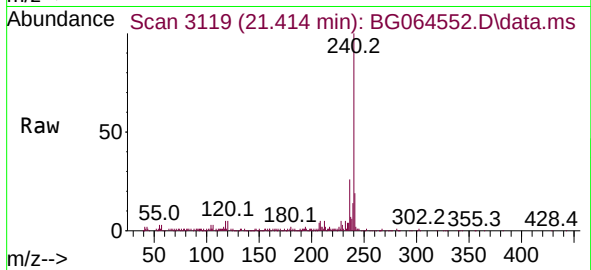
Tgt Ion:240 Resp: 109819

Ion Ratio Lower Upper

240 100

120 5.1 4.3 6.5

236 26.3 20.4 30.6



#78

Pyrene

Concen: 5.053 ng

RT: 19.604 min Scan# 2811

Delta R.T. 0.003 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

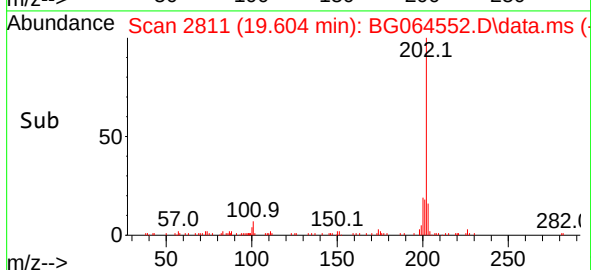
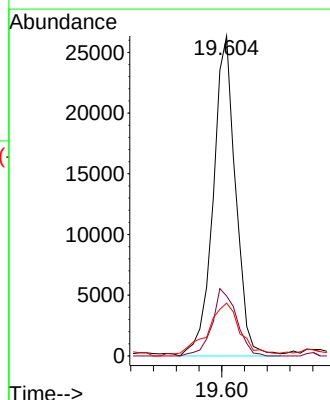
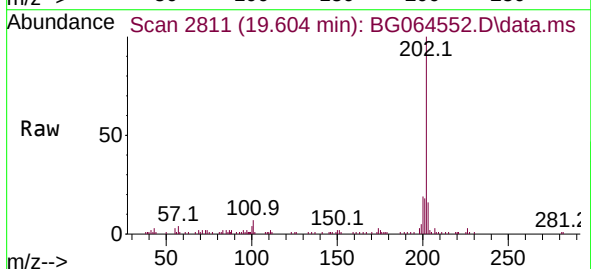
Tgt Ion:202 Resp: 36011

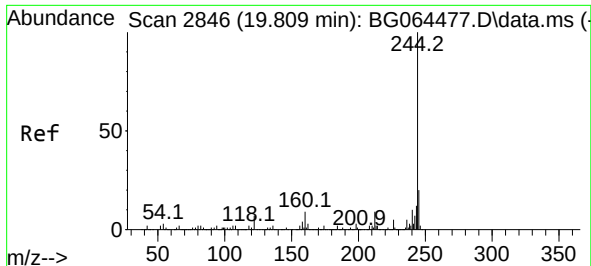
Ion Ratio Lower Upper

202 100

200 18.7 17.0 25.4

203 16.5 13.0 19.4

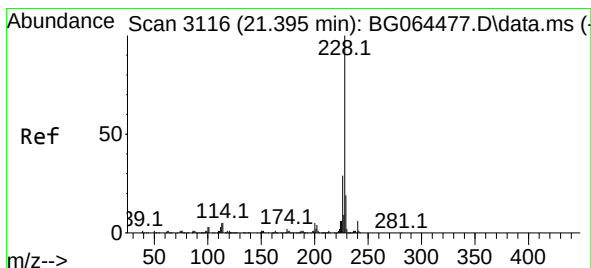
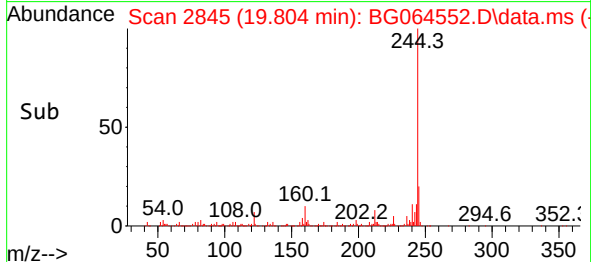
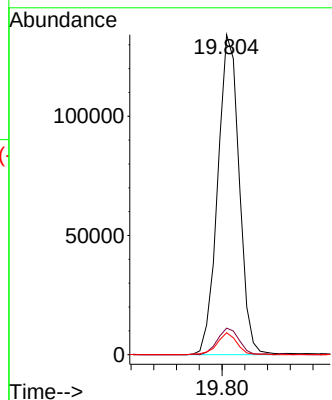
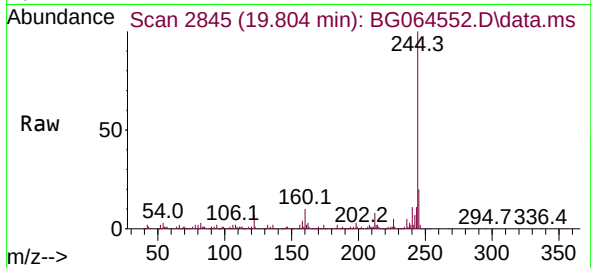




#79
 Terphenyl-d14
 Concen: 30.235 ng
 RT: 19.804 min Scan# 2846
 Delta R.T. -0.002 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

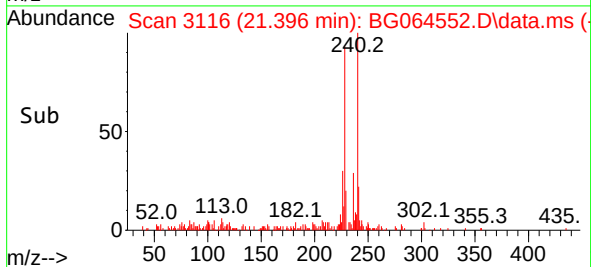
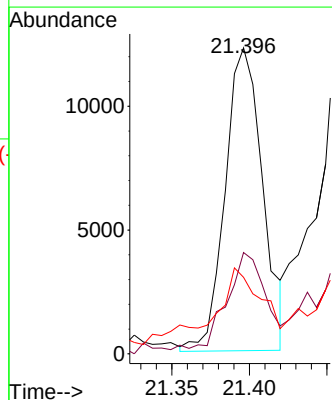
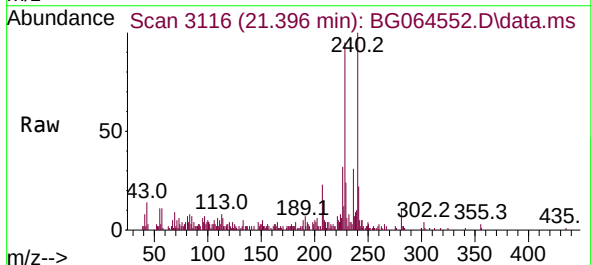
Instrument :
 BNA_G
 ClientSampleId :
 237

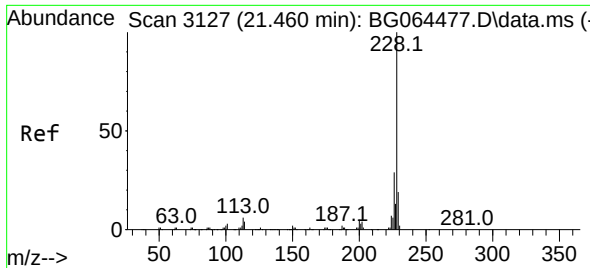
Tgt Ion:244 Resp: 175451
 Ion Ratio Lower Upper
 244 100
 212 8.3 7.0 10.6
 122 6.8 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 2.941 ng
 RT: 21.396 min Scan# 3116
 Delta R.T. 0.003 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

Tgt Ion:228 Resp: 20623
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.8 34.2
 229 25.0 15.2 22.8#





#83

Chrysene

Concen: 3.276 ng

RT: 21.455 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

Instrument :

BNA_G

ClientSampleId :

237

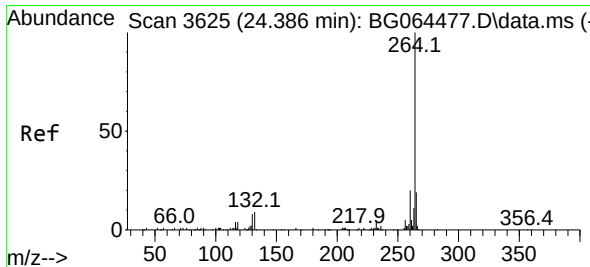
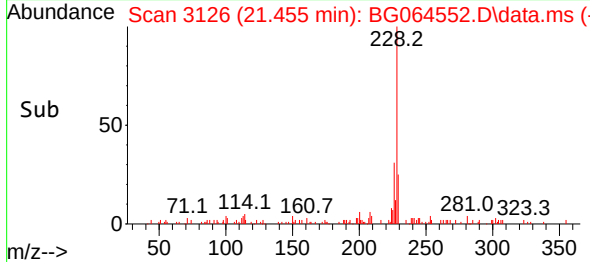
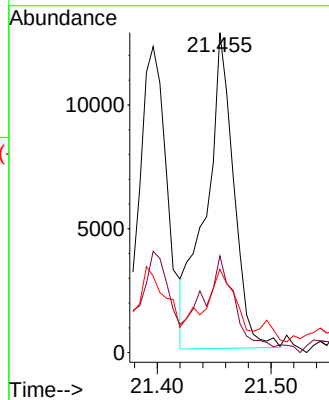
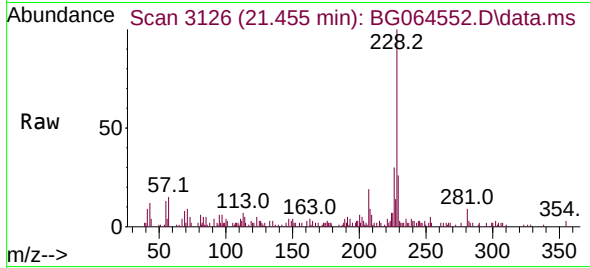
Tgt Ion:228 Resp: 21786

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

229 26.0 15.4 23.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.399 min Scan# 3627

Delta R.T. 0.009 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

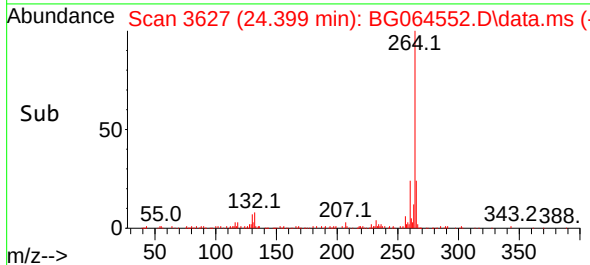
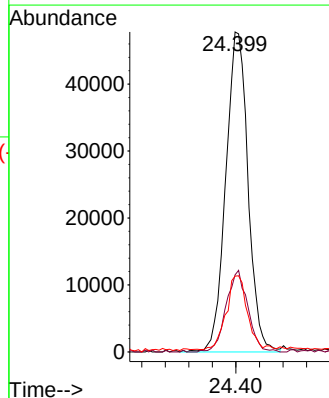
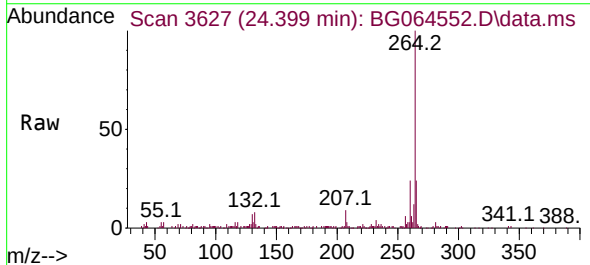
Tgt Ion:264 Resp: 125470

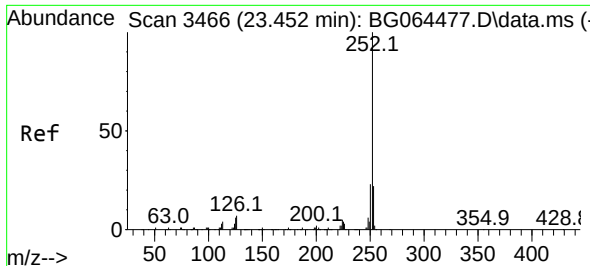
Ion Ratio Lower Upper

264 100

260 24.1 16.2 24.4

265 23.7 15.0 22.4#

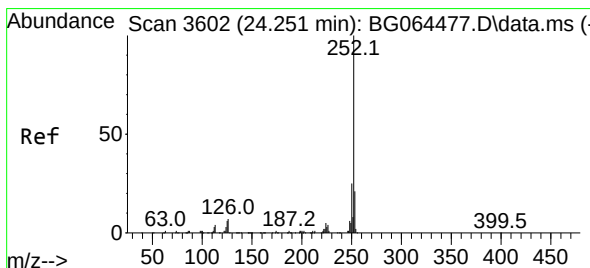
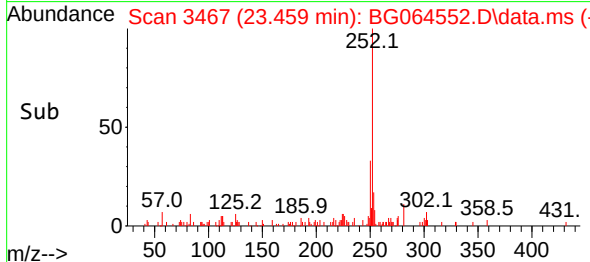
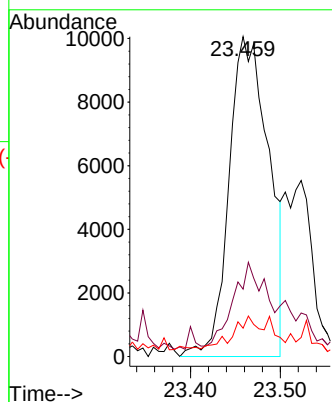
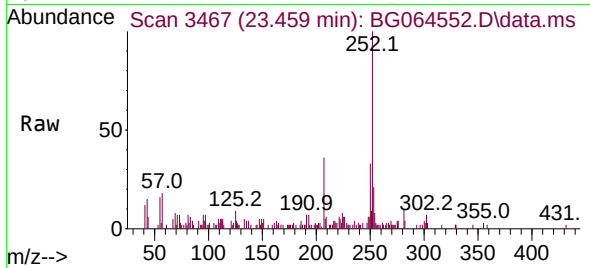




#88
Benzo(b)fluoranthene
Concen: 4.350 ng
RT: 23.459 min Scan# 3467
Delta R.T. 0.009 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

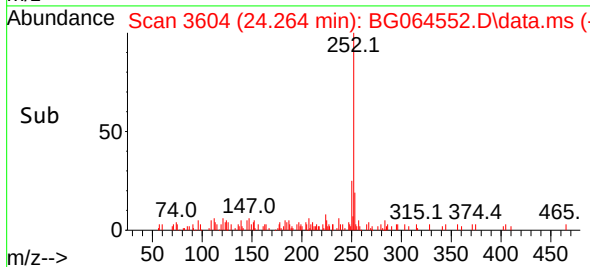
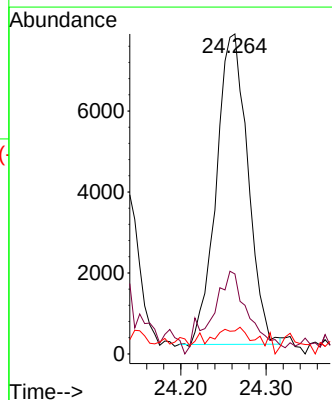
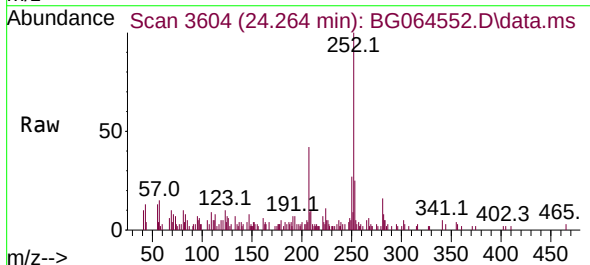
Instrument :
BNA_G
ClientSampleId :
237

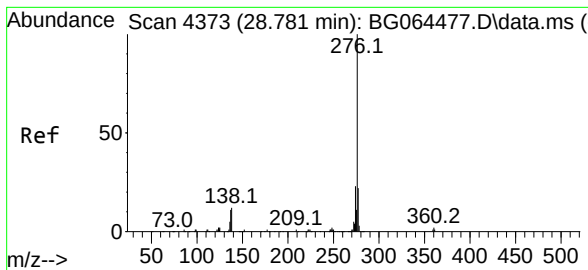
Tgt Ion:252 Resp: 31053
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 8.9 4.5 6.7#



#90
Benzo(a)pyrene
Concen: 2.981 ng
RT: 24.264 min Scan# 3604
Delta R.T. 0.015 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

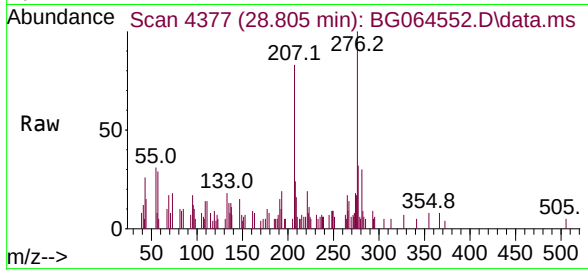
Tgt Ion:252 Resp: 19610
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 7.2 4.6 6.8#





#92
Benzo(g,h,i)perylene
Concen: 2.132 ng
RT: 28.805 min Scan# 437
Delta R.T. 0.039 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Instrument :
BNA_G
ClientSampleId :
237



Tgt Ion:	276	Resp:	14473
Ion	Ratio	Lower	Upper
276	100		
277	31.6	17.8	26.6#
138	18.0	9.4	14.0#

