

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101625\
 Data File : BG064529.D
 Acq On : 16 Oct 2025 23:46
 Operator : RC/JU
 Sample : Q3355-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 10:50:32 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)

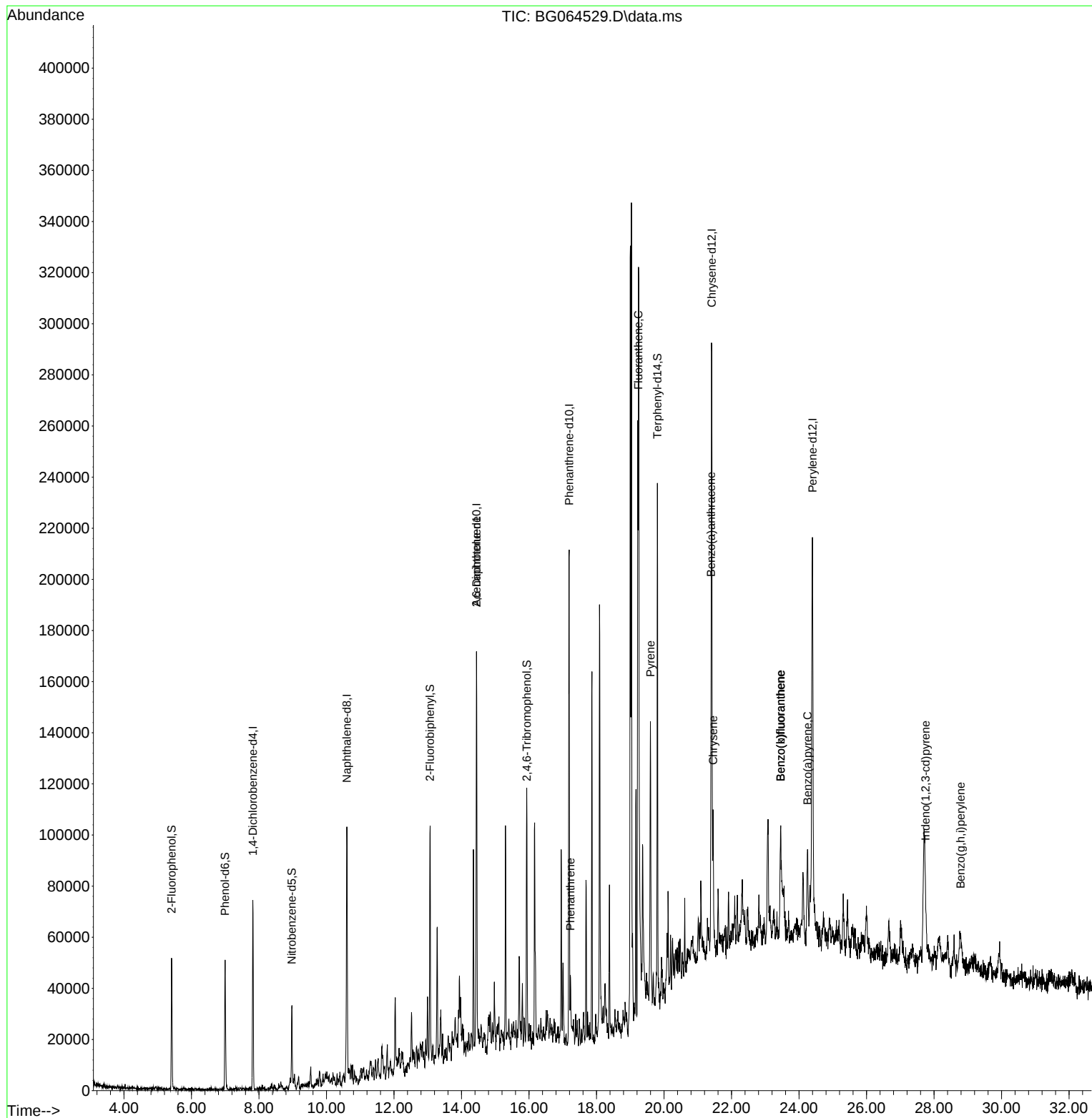
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	17432	20.000	ng	0.00
21) Naphthalene-d8	10.601	136	74173	20.000	ng	0.00
39) Acenaphthene-d10	14.444	164	51399	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	115450	20.000	ng	0.00
76) Chrysene-d12	21.412	240	130523	20.000	ng	# 0.00
86) Perylene-d12	24.397	264	150831	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	20407	21.665	ng	0.00
7) Phenol-d6	6.994	99	26214	20.710	ng	0.00
23) Nitrobenzene-d5	8.968	82	17441	12.643	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	18019	19.340	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	46056	13.208	ng	0.00
79) Terphenyl-d14	19.802	244	86384	12.525	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.444	165	8091	9.648	ng	# 12
71) Phenanthrene	17.223	178	16478	2.729	ng	# 89
75) Fluoranthene	19.238	202	50120	6.949	ng	94
78) Pyrene	19.597	202	57892	6.835	ng	97
81) Benzo(a)anthracene	21.395	228	36323	4.358	ng	# 94
83) Chrysene	21.453	228	36531	4.622	ng	# 91
87) Indeno(1,2,3-cd)pyrene	27.746	276	23733	2.261	ng	# 79
88) Benzo(b)fluoranthene	23.457	252	49120	5.724	ng	94
89) Benzo(k)fluoranthene	23.457	252	49120	5.684	ng	# 93
90) Benzo(a)pyrene	24.250	252	37107	4.692	ng	98
92) Benzo(g,h,i)perylene	28.786	276	26593	3.259	ng	96

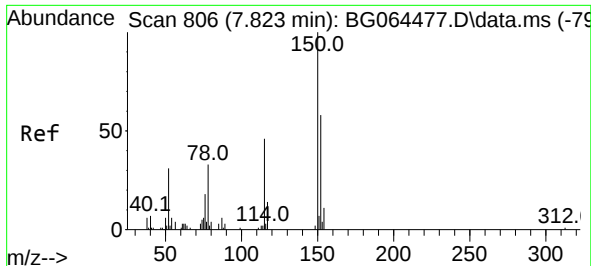
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101625\
Data File : BG064529.D
Acq On : 16 Oct 2025 23:46
Operator : RC/JU
Sample : Q3355-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 17 10:50:32 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

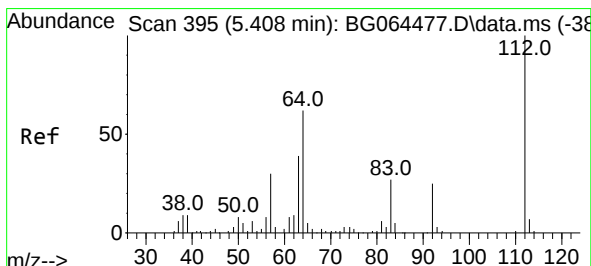
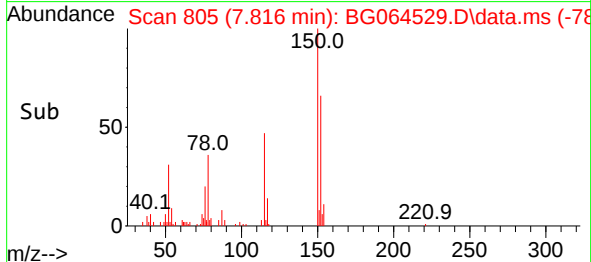
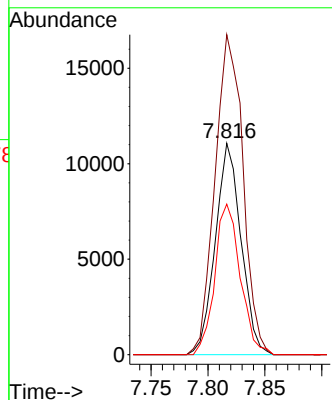
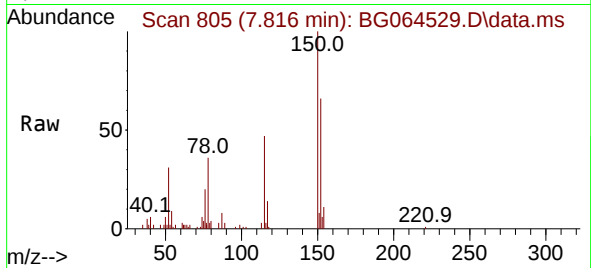




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.816 min Scan# 806
 Delta R.T. -0.004 min
 Lab File: BG064529.D
 Acq: 16 Oct 2025 23:46

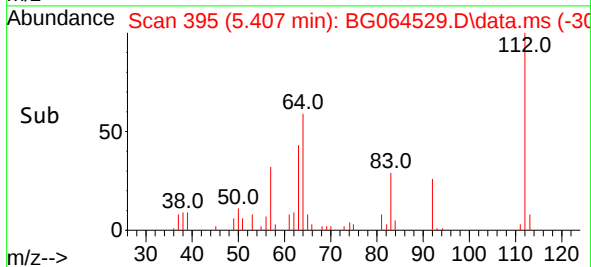
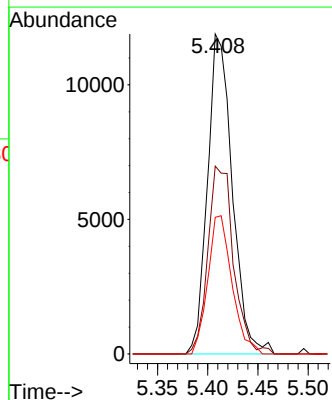
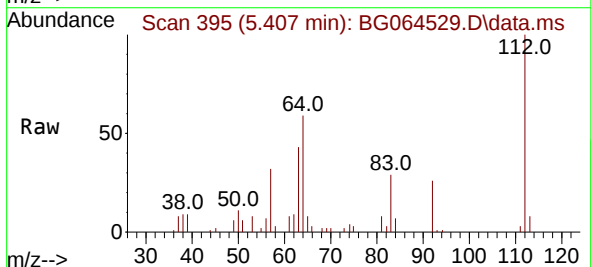
Instrument :
 BNA_G
 ClientSampleId :

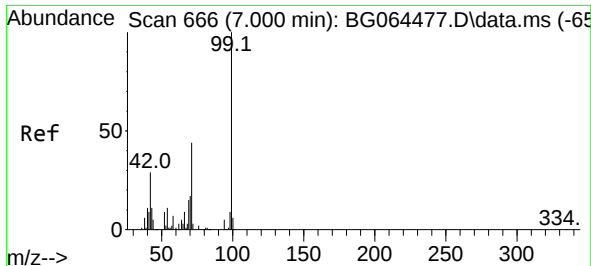
Tgt Ion:152 Resp: 17432
 Ion Ratio Lower Upper
 152 100
 150 151.4 138.6 207.8
 115 71.2 63.4 95.2



#5
 2-Fluorophenol
 Concen: 21.665 ng
 RT: 5.407 min Scan# 395
 Delta R.T. 0.002 min
 Lab File: BG064529.D
 Acq: 16 Oct 2025 23:46

Tgt Ion:112 Resp: 20407
 Ion Ratio Lower Upper
 112 100
 64 58.7 49.8 74.8
 63 42.7 31.3 46.9

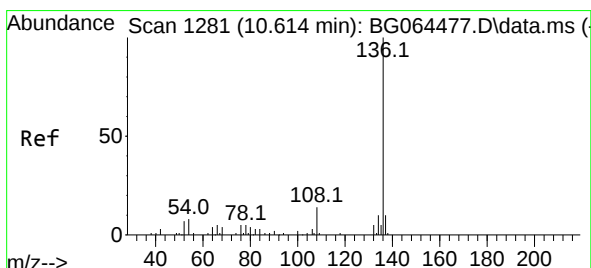
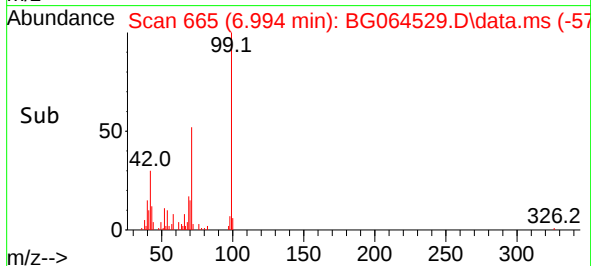
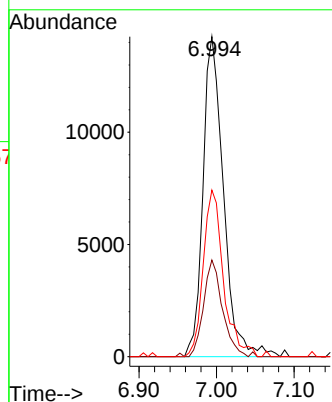
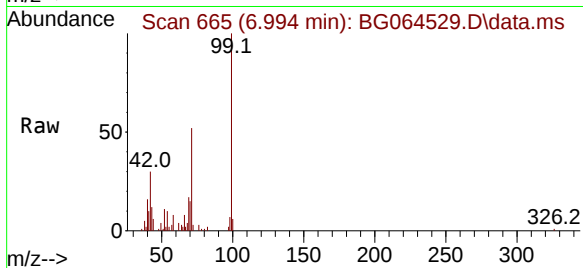




#7
Phenol-d6
Concen: 20.710 ng
RT: 6.994 min Scan# 60
Delta R.T. 0.008 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

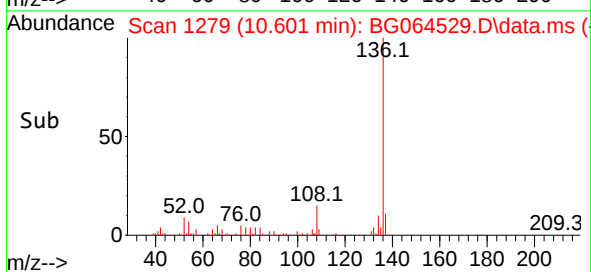
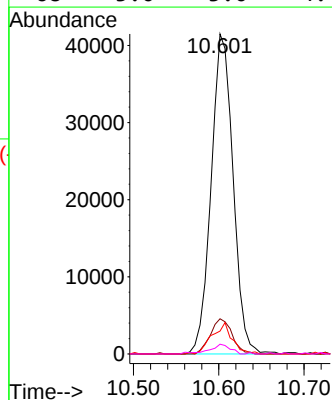
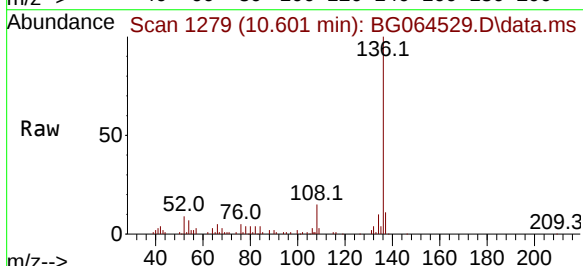
Instrument :
BNA_G
ClientSampleId :

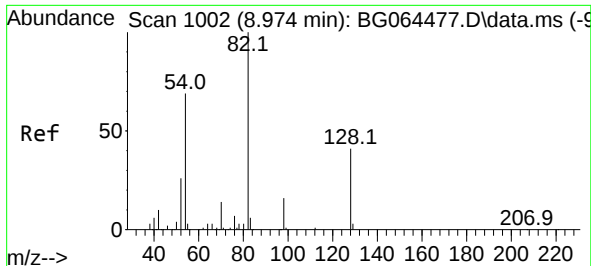
Tgt Ion: 99 Resp: 26214
Ion Ratio Lower Upper
99 100
42 30.2 22.9 34.3
71 52.1 35.4 53.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.601 min Scan# 1279
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion: 136 Resp: 74173
Ion Ratio Lower Upper
136 100
137 11.0 8.3 12.5
54 7.2 6.2 9.4
68 3.0 3.0 4.4

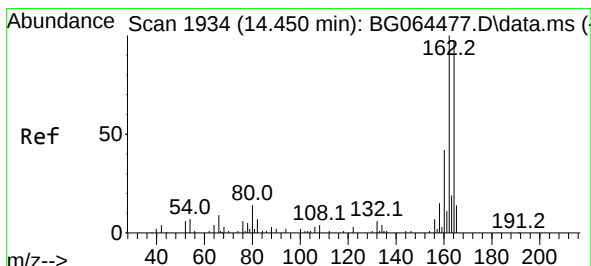
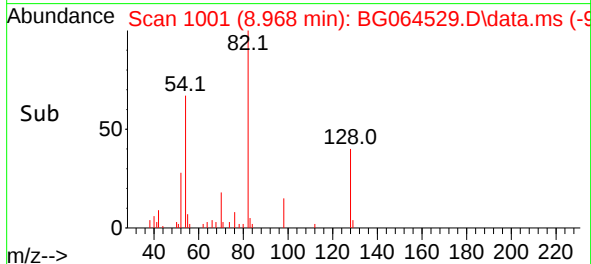
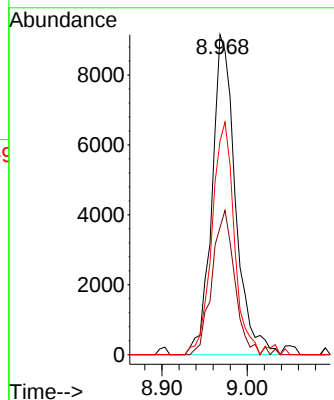
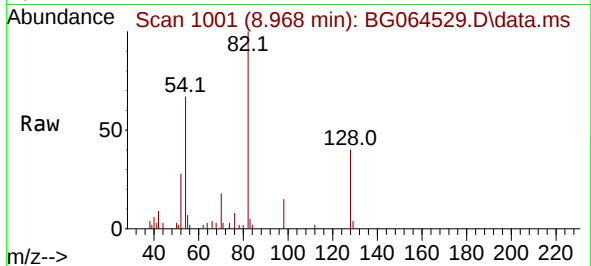




#23
Nitrobenzene-d5
Concen: 12.643 ng
RT: 8.968 min Scan# 1001
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

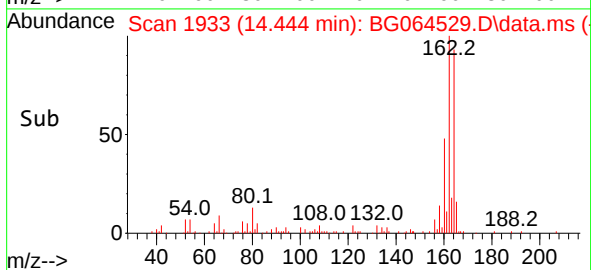
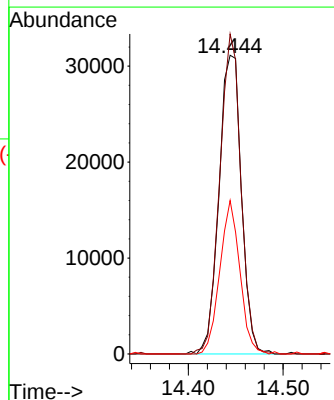
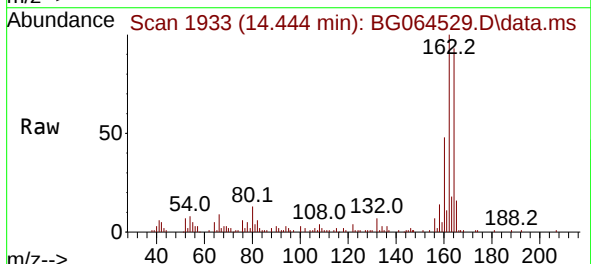
Instrument :
BNA_G
ClientSampleId :

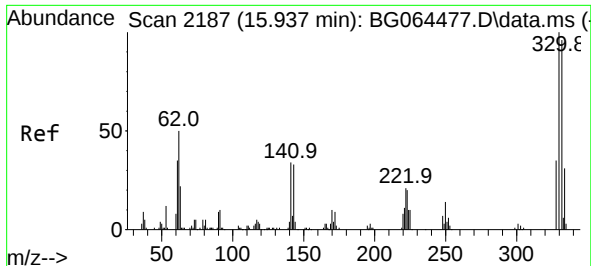
Tgt Ion: 82 Resp: 17441
Ion Ratio Lower Upper
82 100
128 39.8 33.1 49.7
54 66.7 55.4 83.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.444 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

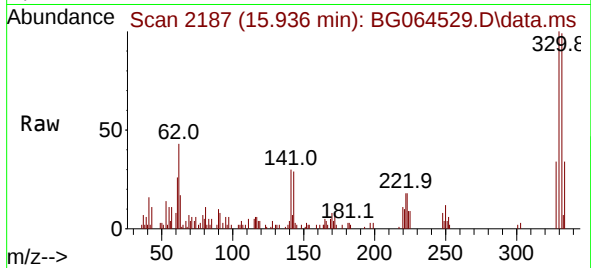
Tgt Ion:164 Resp: 51399
Ion Ratio Lower Upper
164 100
162 107.1 82.2 123.2
160 51.4 34.3 51.5



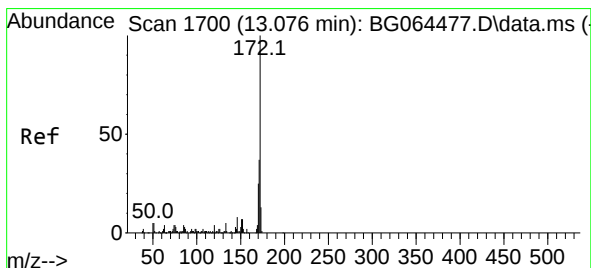
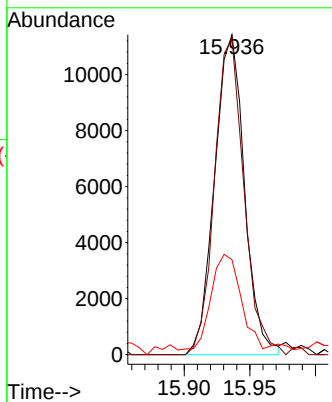
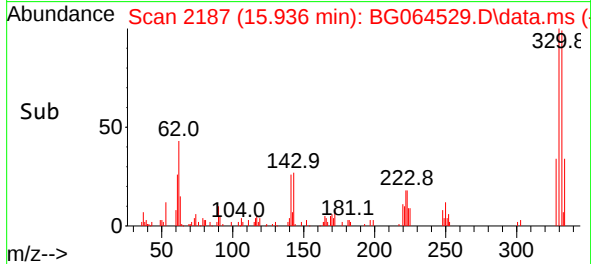


#42
2,4,6-Tribromophenol
Concen: 19.340 ng
RT: 15.936 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :

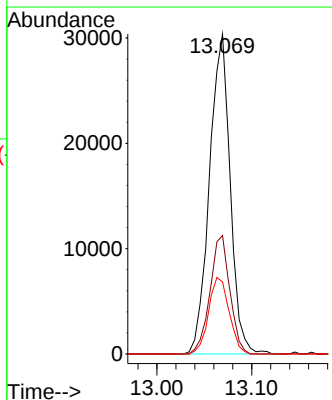
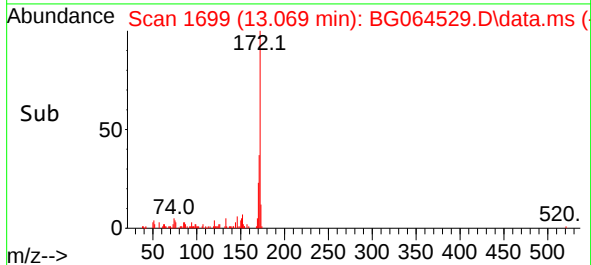
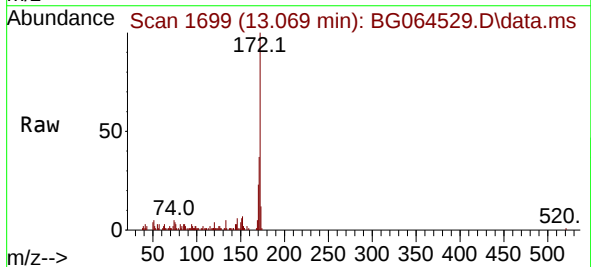


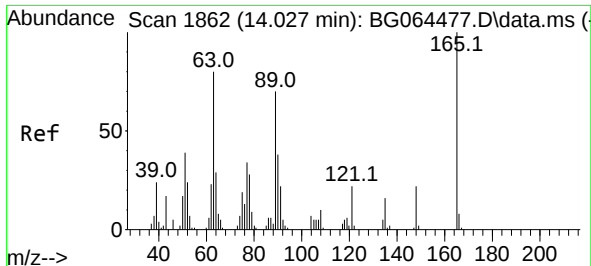
Tgt Ion:330 Resp: 18019
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 31.6 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 13.208 ng
RT: 13.069 min Scan# 1699
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:172 Resp: 46056
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 22.5 20.2 30.2





#51

2,6-Dinitrotoluene

Concen: 9.648 ng

RT: 14.444 min Scan# 1933

Delta R.T. 0.425 min

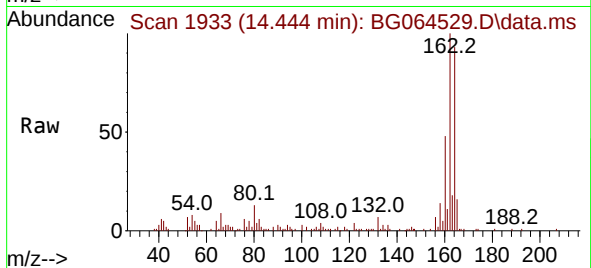
Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

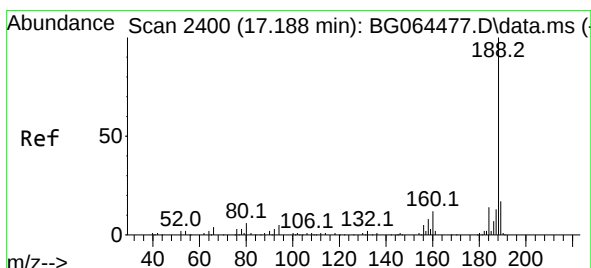
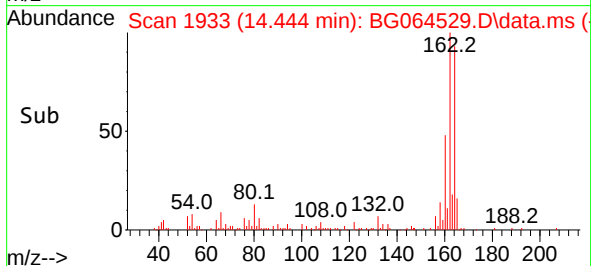
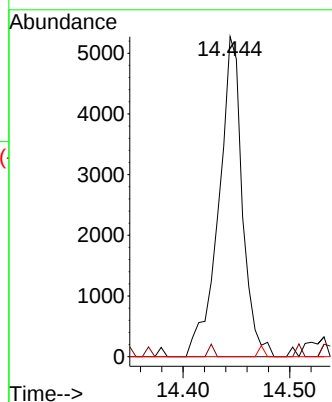
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165	Resp:	8091
Ion Ratio	Lower	Upper
165	100	
63	0.0	63.9 95.9#
89	0.0	56.1 84.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

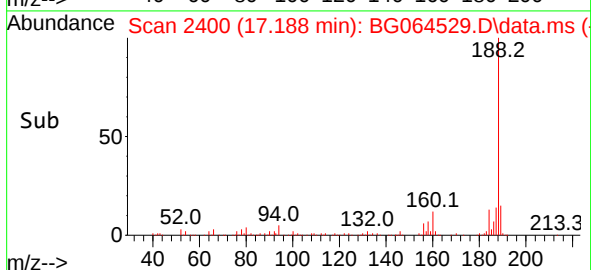
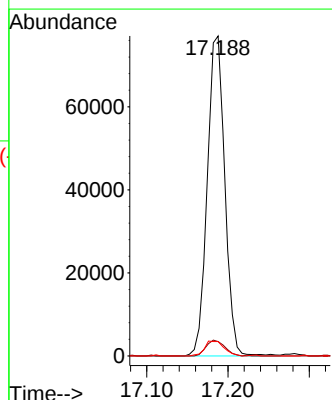
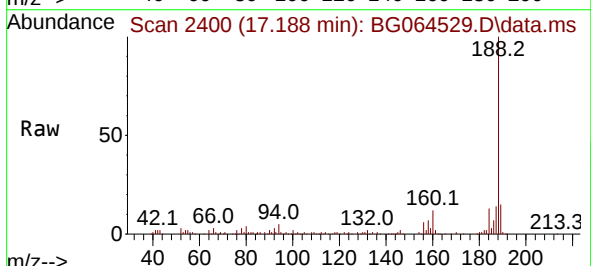
RT: 17.188 min Scan# 2400

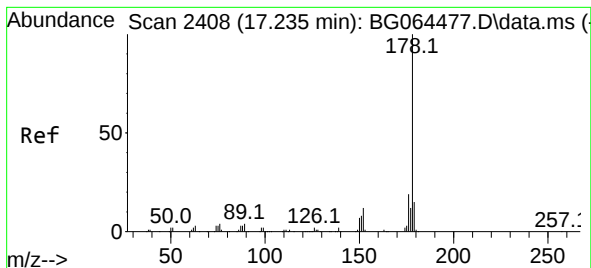
Delta R.T. 0.002 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

Tgt Ion:188	Resp:	115450
Ion Ratio	Lower	Upper
188	100	
94	4.5	3.7 5.5
80	4.5	4.5 6.7





#71

Phenanthrene

Concen: 2.729 ng

RT: 17.223 min Scan# 2408

Delta R.T. -0.004 min

Lab File: BG064529.D

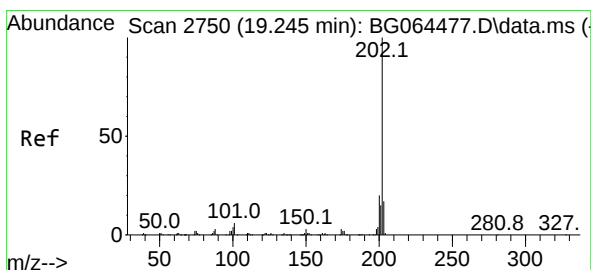
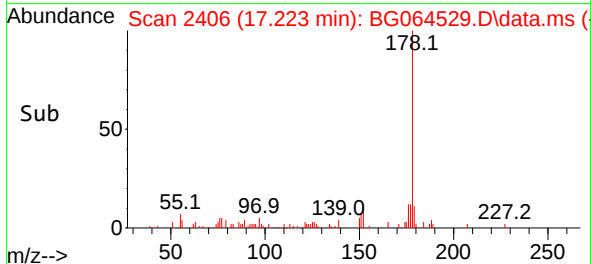
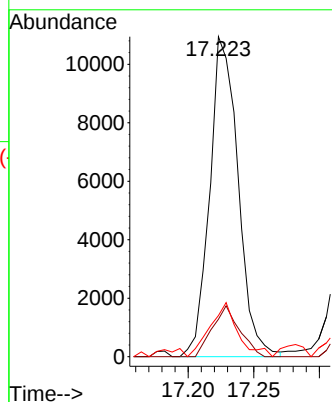
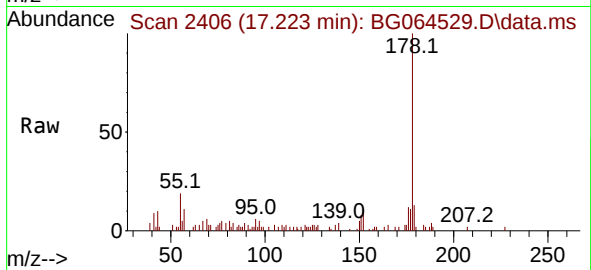
Acq: 16 Oct 2025 23:46

Instrument :

BNA_G

ClientSampleId :

Tgt Ion	178	176	179
Resp	16478		
Ratio	100	11.7	12.9
Lower		15.2	11.8
Upper		22.8	17.6



#75

Fluoranthene

Concen: 6.949 ng

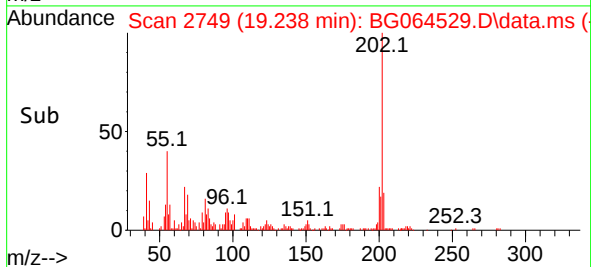
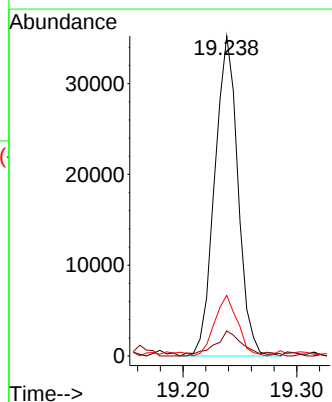
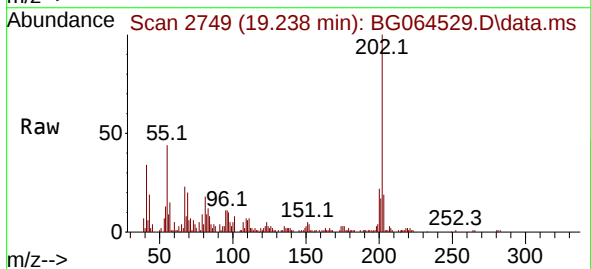
RT: 19.238 min Scan# 2749

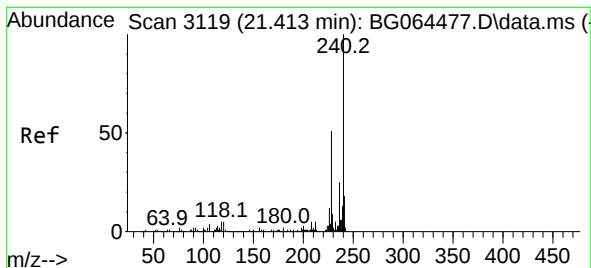
Delta R.T. 0.002 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

Tgt Ion	202	101	203
Resp	50120		
Ratio	100	7.8	19.0
Lower		0.0	0.0
Upper		25.7	36.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.412 min Scan# 3119

Delta R.T. 0.002 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

Instrument :

BNA_G

ClientSampleId :

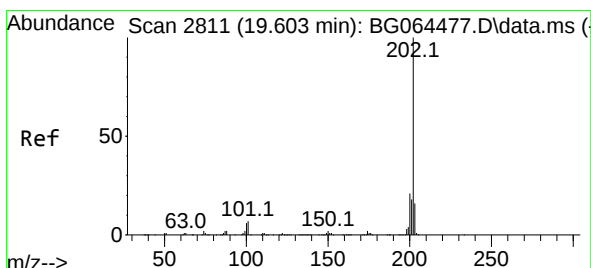
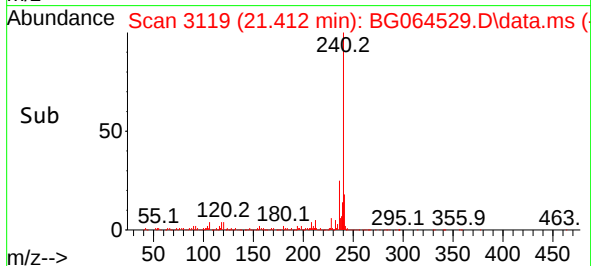
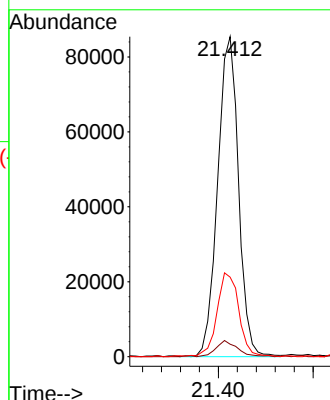
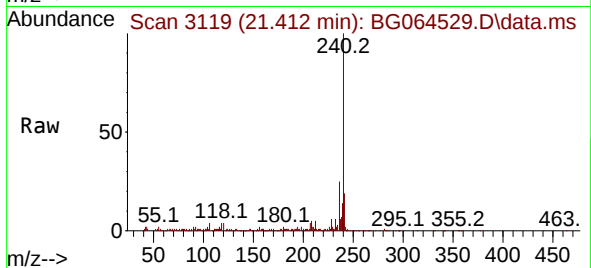
Tgt Ion:240 Resp: 130523

Ion Ratio Lower Upper

240 100

120 3.9 4.3 6.5#

236 24.8 20.4 30.6



#78

Pyrene

Concen: 6.835 ng

RT: 19.597 min Scan# 2810

Delta R.T. -0.004 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

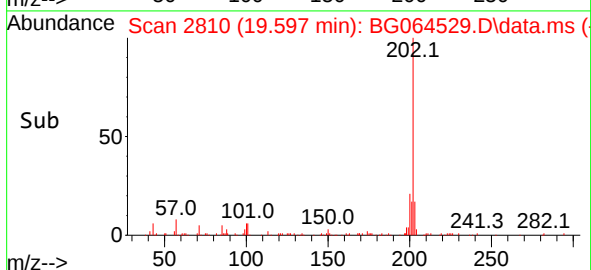
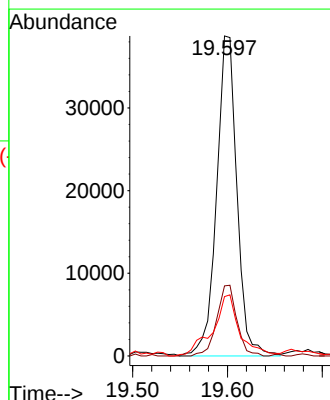
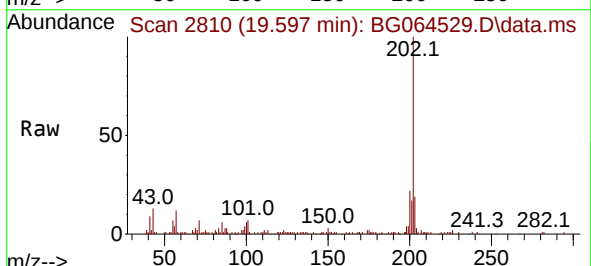
Tgt Ion:202 Resp: 57892

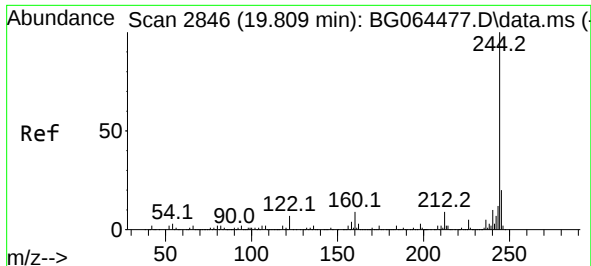
Ion Ratio Lower Upper

202 100

200 21.9 17.0 25.4

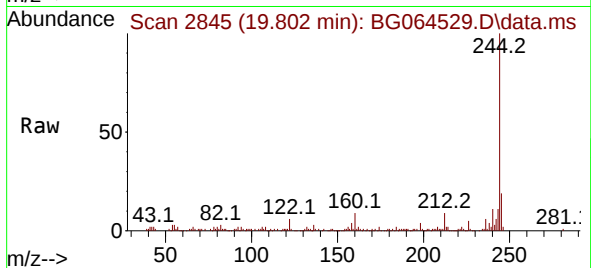
203 18.6 13.0 19.4



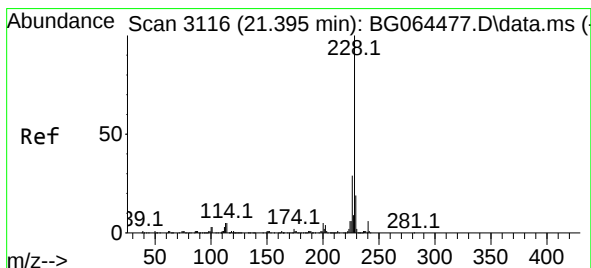
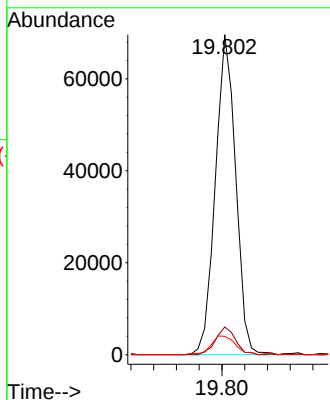
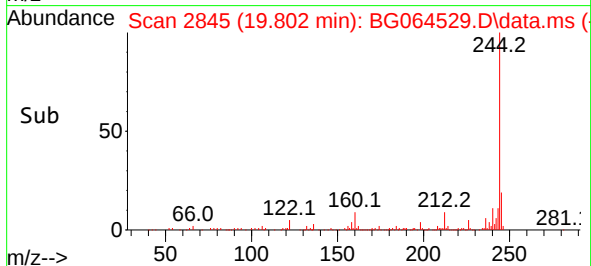


#79
 Terphenyl-d14
 Concen: 12.525 ng
 RT: 19.802 min Scan# 2845
 Delta R.T. -0.004 min
 Lab File: BG064529.D
 Acq: 16 Oct 2025 23:46

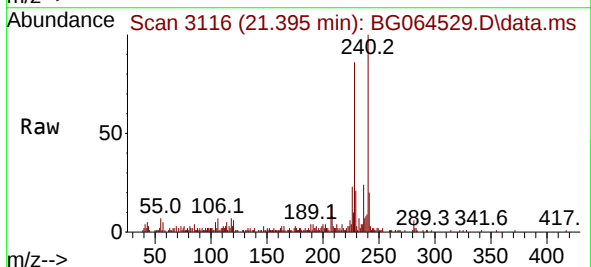
Instrument :
 BNA_G
 ClientSampleId :



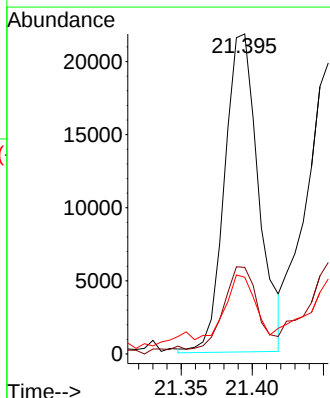
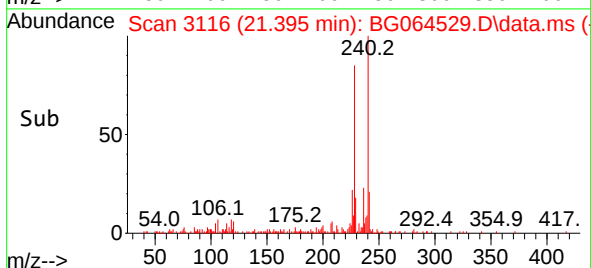
Tgt Ion:244 Resp: 86384
 Ion Ratio Lower Upper
 244 100
 212 8.6 7.0 10.6
 122 5.8 5.6 8.4

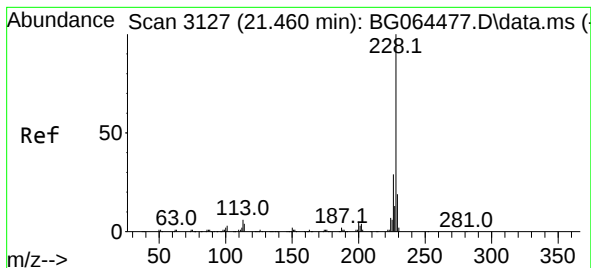


#81
 Benzo(a)anthracene
 Concen: 4.358 ng
 RT: 21.395 min Scan# 3116
 Delta R.T. 0.002 min
 Lab File: BG064529.D
 Acq: 16 Oct 2025 23:46



Tgt Ion:228 Resp: 36323
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.8 34.2
 229 23.9 15.2 22.8#





#83

Chrysene

Concen: 4.622 ng

RT: 21.453 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

Instrument :

BNA_G

ClientSampleId :

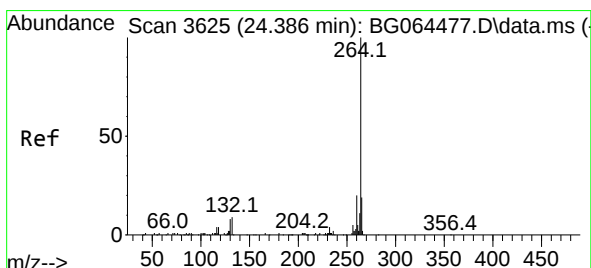
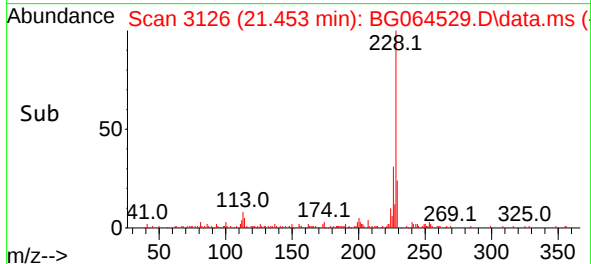
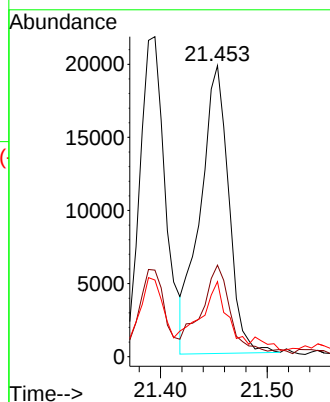
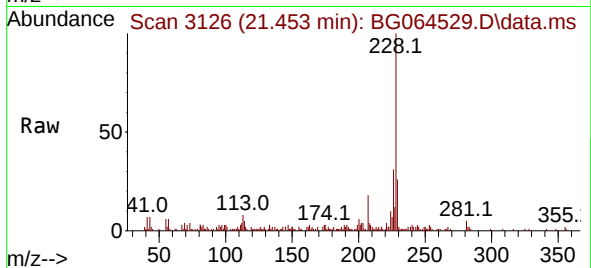
Tgt Ion:228 Resp: 36531

Ion Ratio Lower Upper

228 100

226 31.5 22.8 34.2

229 25.8 15.4 23.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3627

Delta R.T. 0.008 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

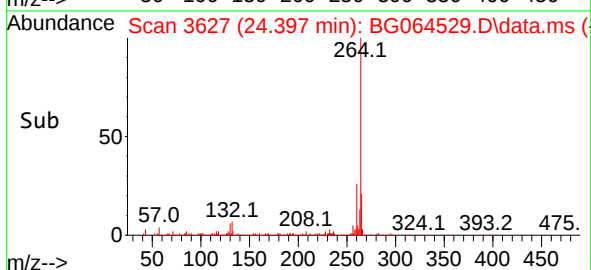
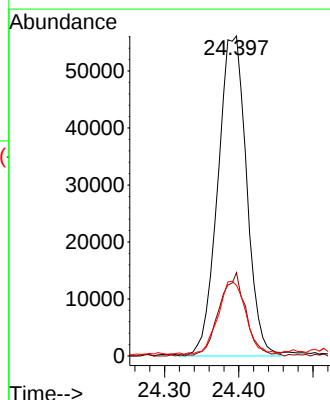
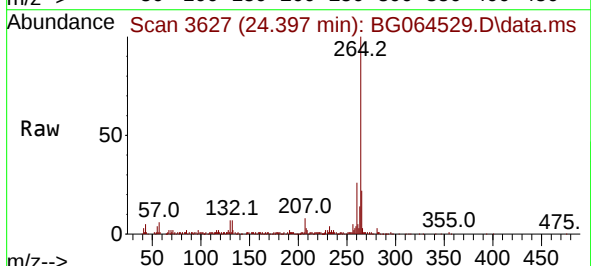
Tgt Ion:264 Resp: 150831

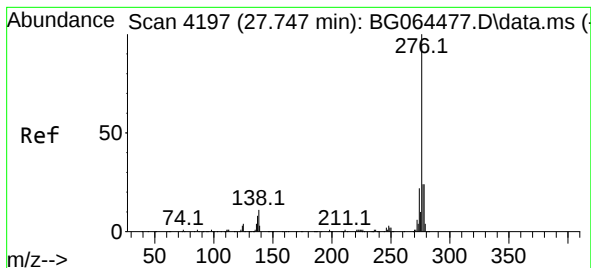
Ion Ratio Lower Upper

264 100

260 26.1 16.2 24.4#

265 22.0 15.0 22.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.261 ng

RT: 27.746 min Scan# 4197

Delta R.T. 0.014 min

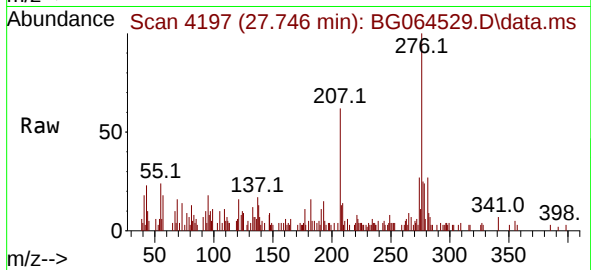
Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

Instrument :

BNA_G

ClientSampleId :



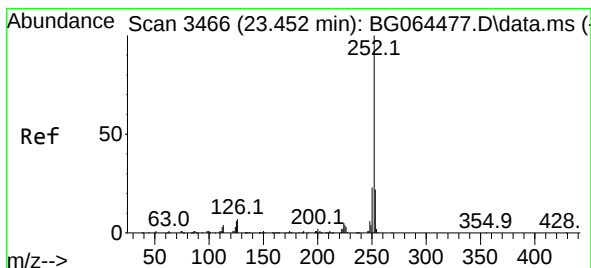
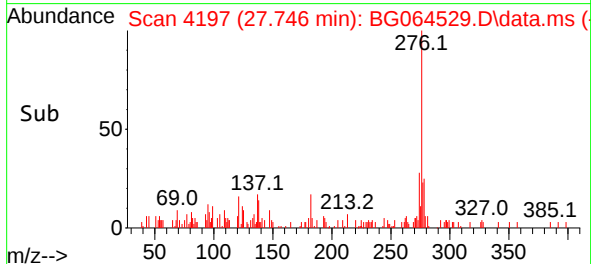
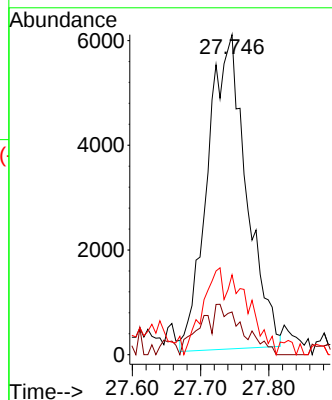
Tgt Ion:276 Resp: 23733

Ion Ratio Lower Upper

276 100

138 5.5 10.8 16.2#

277 14.8 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 5.724 ng

RT: 23.457 min Scan# 3467

Delta R.T. 0.008 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

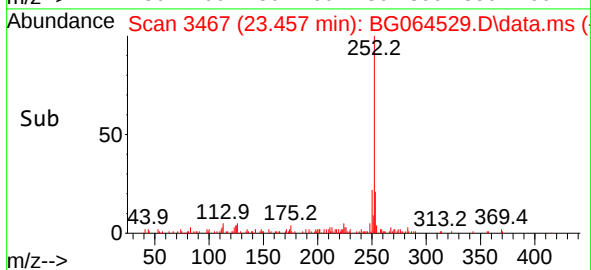
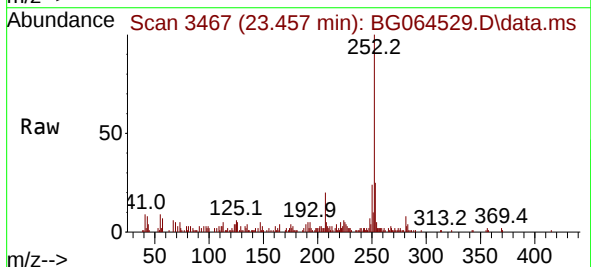
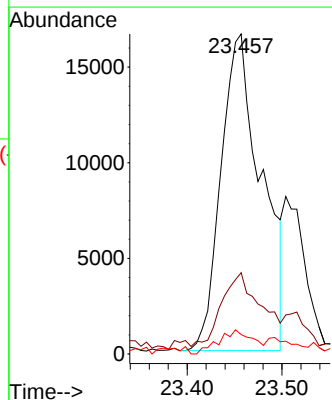
Tgt Ion:252 Resp: 49120

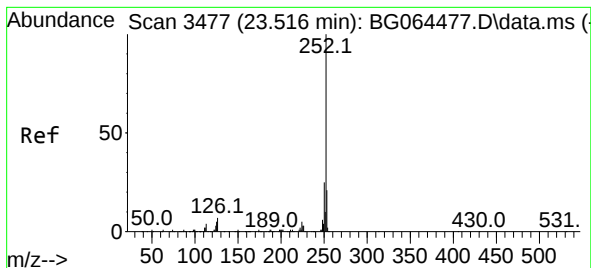
Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

125 6.1 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 5.684 ng

RT: 23.457 min Scan# 34

Delta R.T. -0.051 min

Lab File: BG064529.D

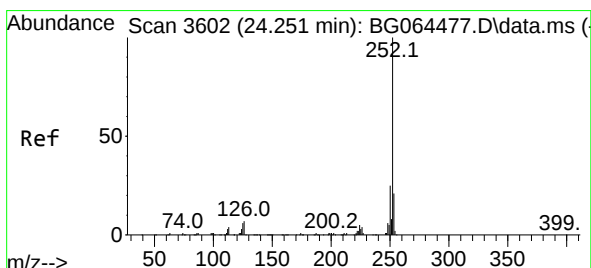
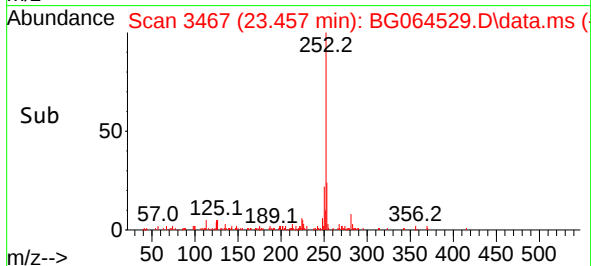
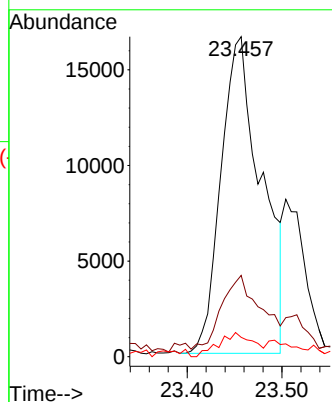
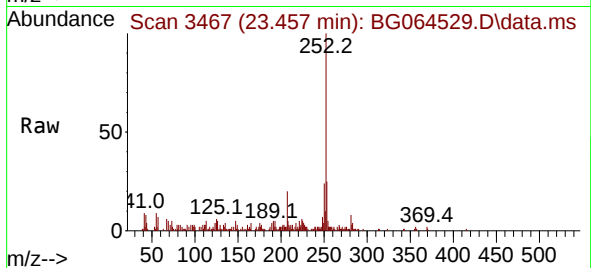
Acq: 16 Oct 2025 23:46

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:252	Resp:	49120
Ion Ratio	Lower	Upper
252	100	
253	25.4	17.4 26.2
125	6.1	4.0 6.0



#90

Benzo(a)pyrene

Concen: 4.692 ng

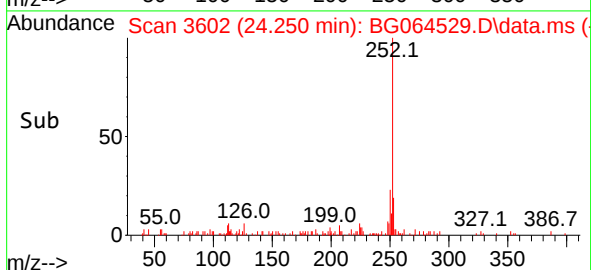
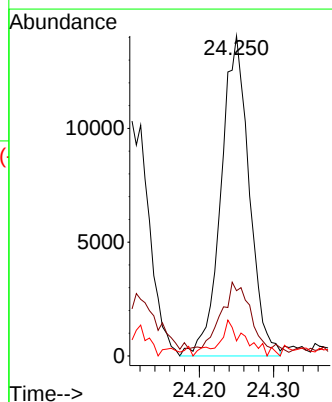
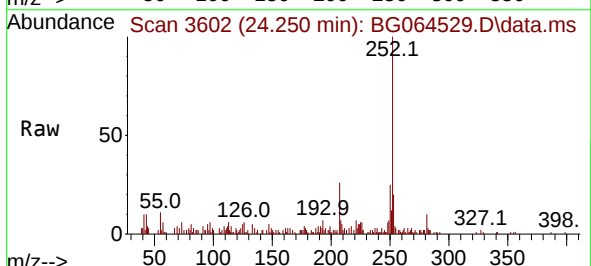
RT: 24.250 min Scan# 3602

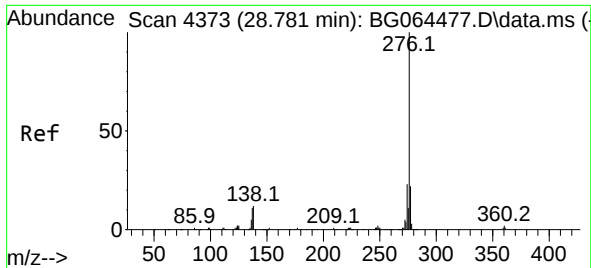
Delta R.T. 0.002 min

Lab File: BG064529.D

Acq: 16 Oct 2025 23:46

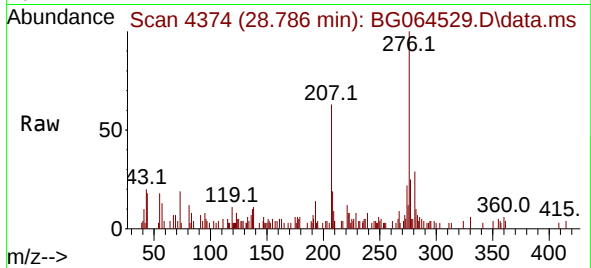
Tgt Ion:252	Resp:	37107
Ion Ratio	Lower	Upper
252	100	
253	20.4	17.1 25.7
125	4.7	4.6 6.8





#92
Benzo(g,h,i)perylene
Concen: 3.259 ng
RT: 28.786 min Scan# 41
Delta R.T. 0.019 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:	276	Ratio	100	Lower	17.8	Upper	26.6
276	100						
277	25.0			17.8		26.6	
138	11.3			9.4		14.0	

