

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064161.D
 Acq On : 2 Apr 2025 20:24
 Operator : RC/JU
 Sample : Q1688-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-040125

Quant Time: Apr 03 01:20:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

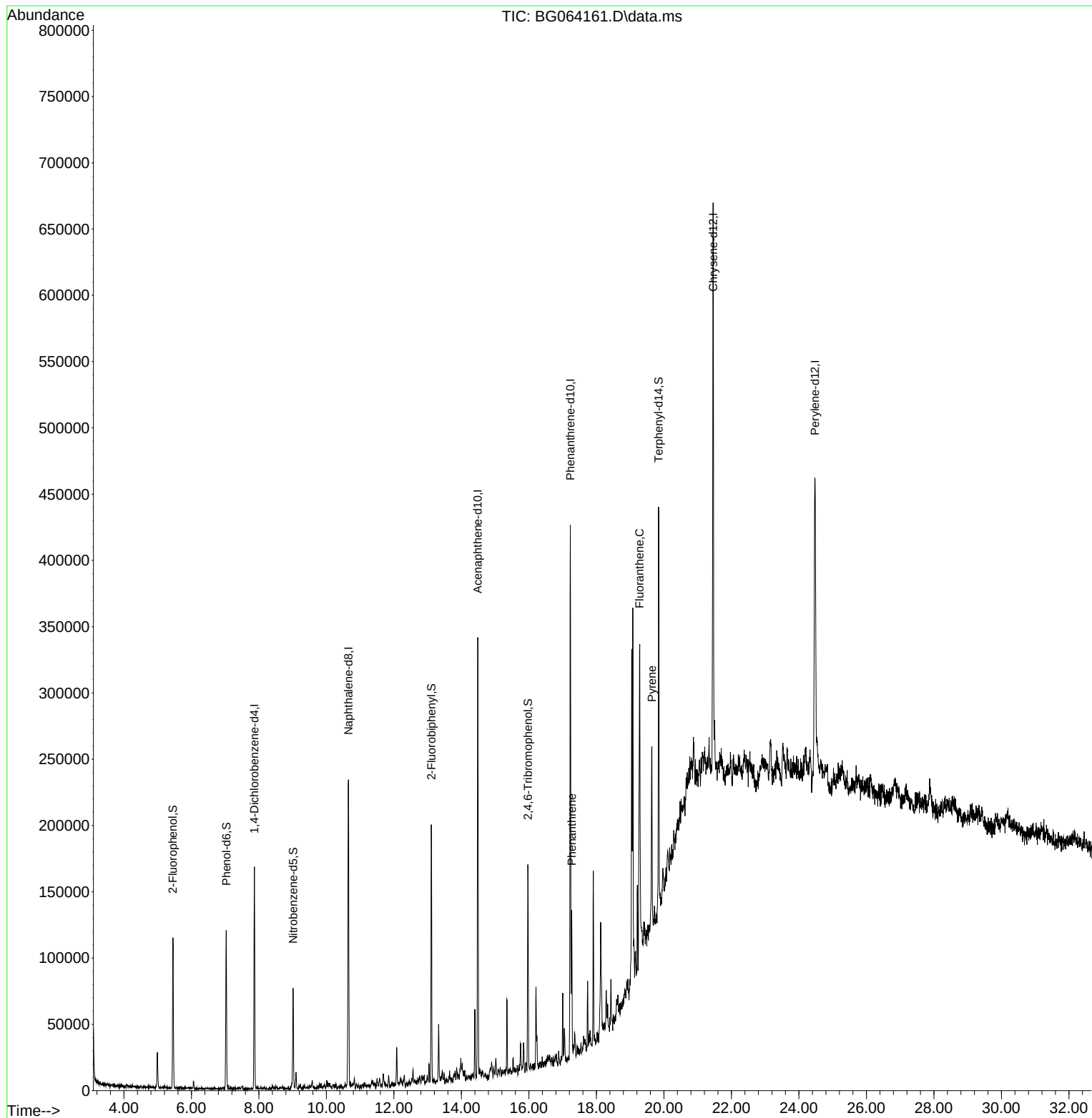
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	39445	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	171876	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	109610	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	225283	20.000	ng	0.00
76) Chrysene-d12	21.457	240	227438	20.000	ng	0.00
86) Perylene-d12	24.477	264	252222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	46912	18.570	ng	0.00
7) Phenol-d6	7.033	99	58155	16.922	ng	0.00
23) Nitrobenzene-d5	9.013	82	37832	12.164	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	24687	20.262	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	90883	12.585	ng	0.00
79) Terphenyl-d14	19.841	244	139152	12.371	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.268	178	65022	5.411	ng	98
75) Fluoranthene	19.277	202	81832	5.649	ng	99
78) Pyrene	19.641	202	77004	5.252	ng	99

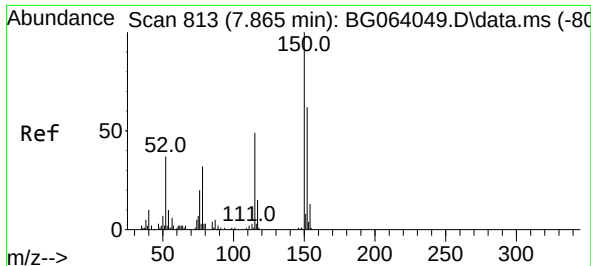
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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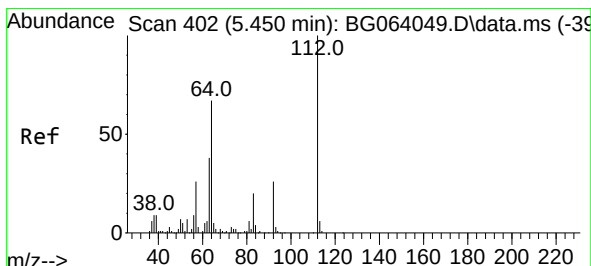
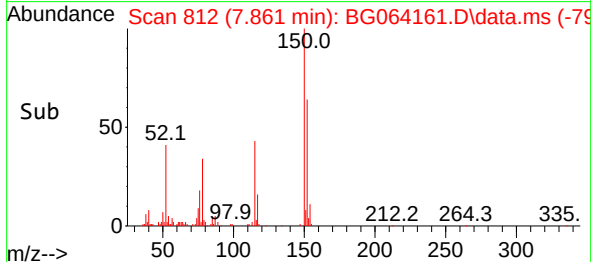
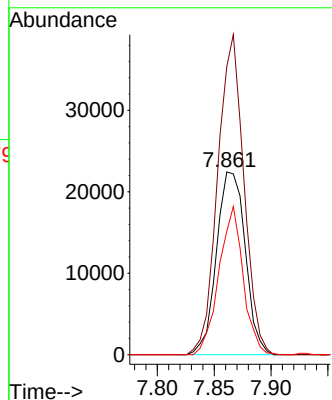
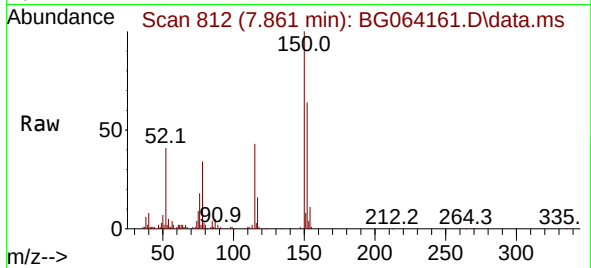




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 813
Delta R.T. -0.004 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

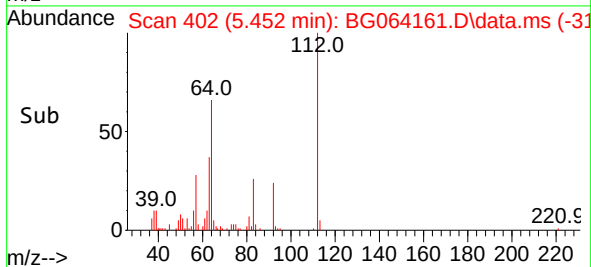
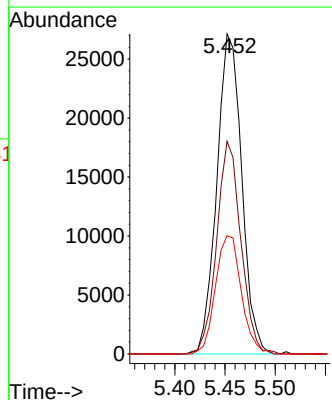
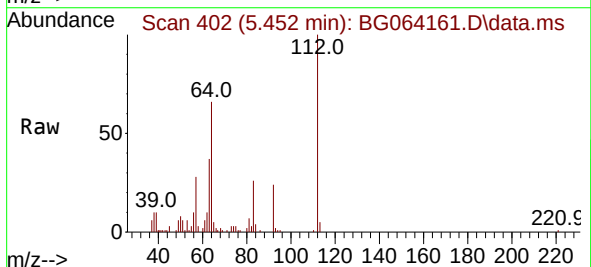
Instrument :
BNA_G
ClientSampleId :
OR-02-040125

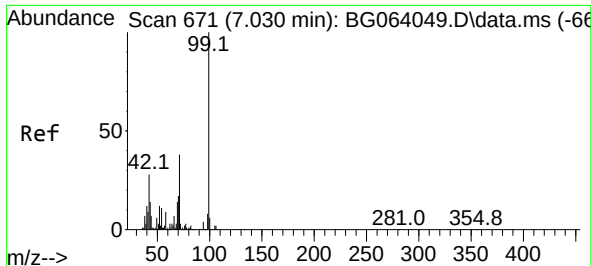
Tgt Ion:152 Resp: 39445
Ion Ratio Lower Upper
152 100
150 157.5 129.2 193.8
115 67.4 63.0 94.6



#5
2-Fluorophenol
Concen: 18.570 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

Tgt Ion:112 Resp: 46912
Ion Ratio Lower Upper
112 100
64 66.5 53.7 80.5
63 37.0 30.2 45.4

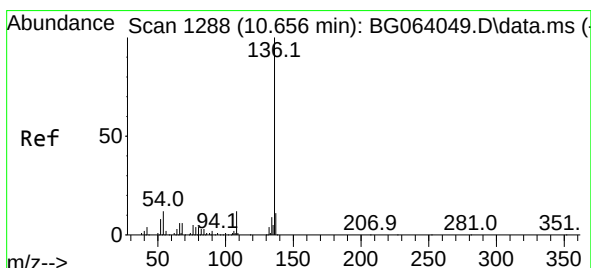
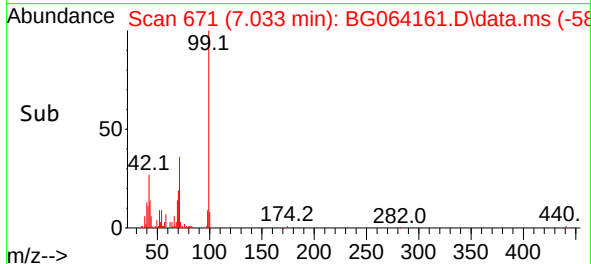
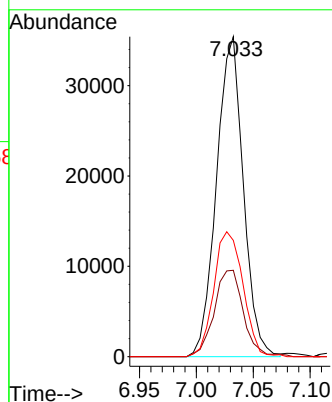
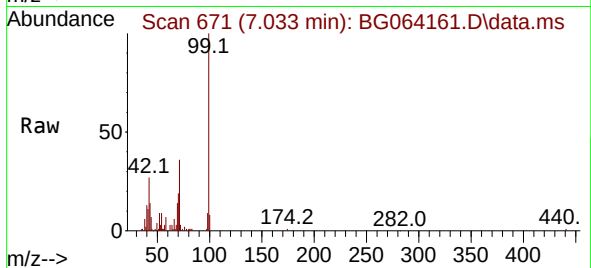




#7
Phenol-d6
Concen: 16.922 ng
RT: 7.033 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

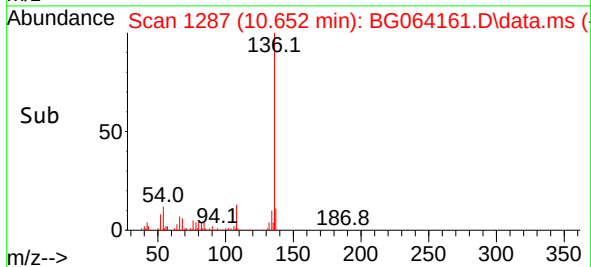
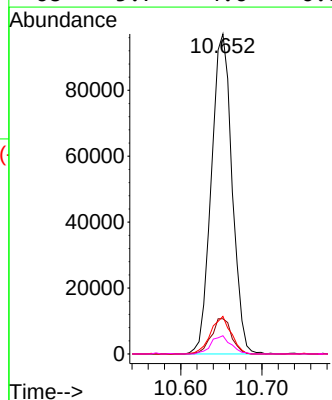
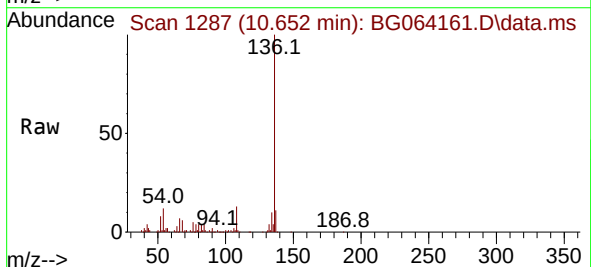
Instrument :
BNA_G
ClientSampleId :
OR-02-040125

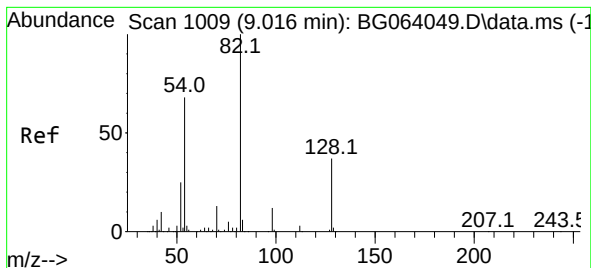
Tgt Ion: 99 Resp: 58155
Ion Ratio Lower Upper
99 100
42 27.0 22.7 34.1
71 36.3 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

Tgt Ion: 136 Resp: 171876
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.8 9.9 14.9
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 12.164 ng

RT: 9.013 min Scan# 1009

Delta R.T. -0.004 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

Instrument :

BNA_G

ClientSampleId :

OR-02-040125

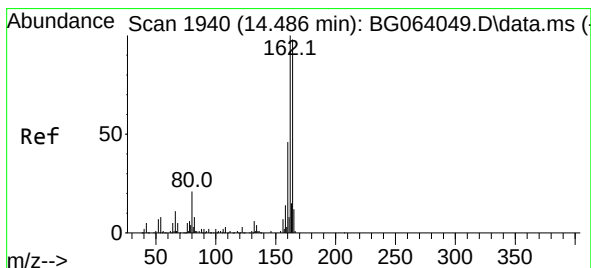
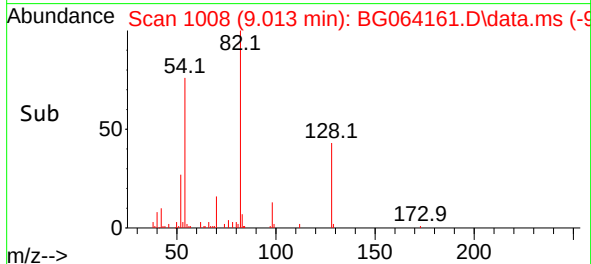
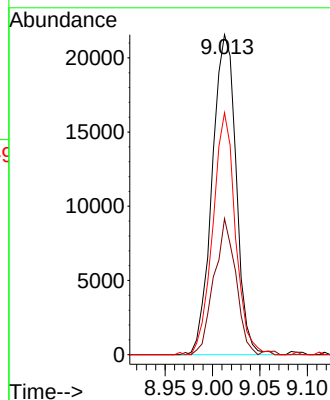
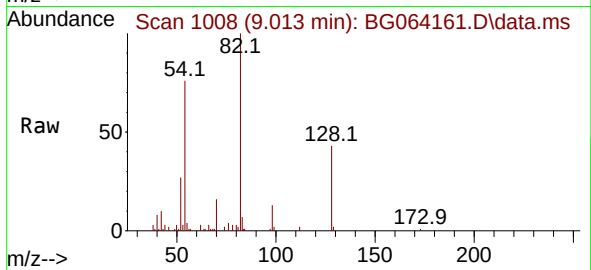
Tgt Ion: 82 Resp: 37832

Ion Ratio Lower Upper

82 100

128 42.5 30.0 45.0

54 75.6 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.483 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

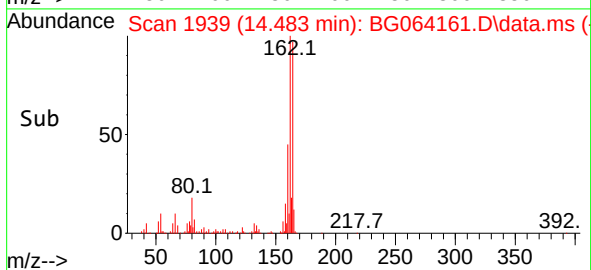
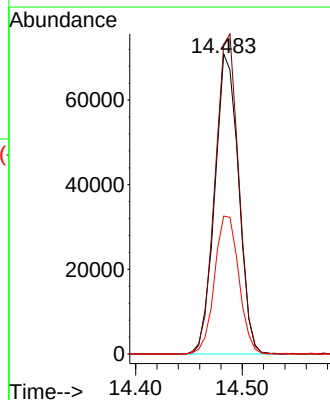
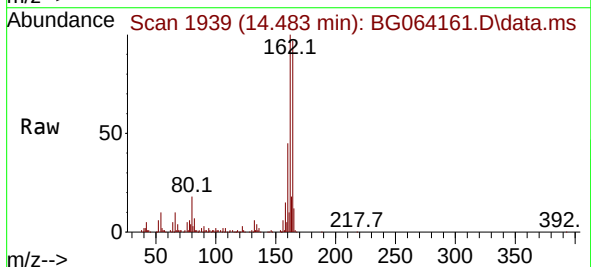
Tgt Ion:164 Resp: 109610

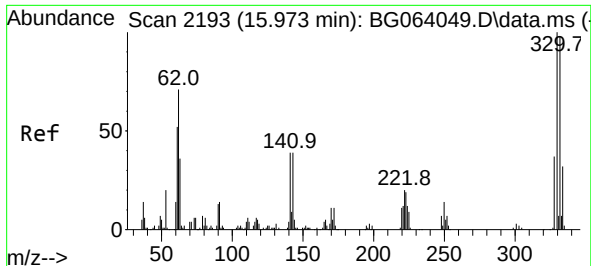
Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.0

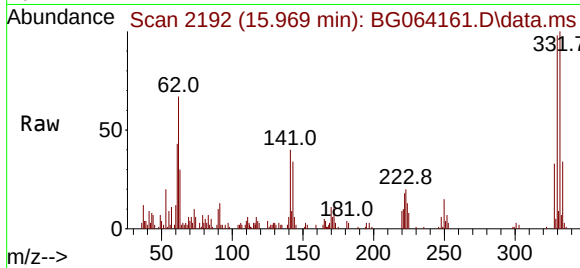
160 46.0 37.0 55.6



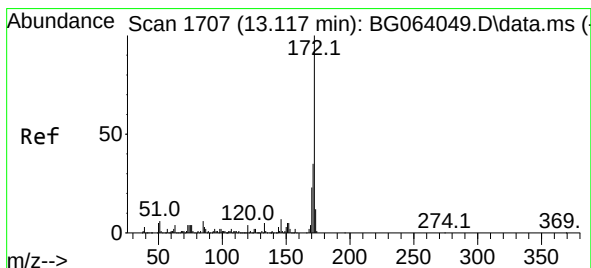
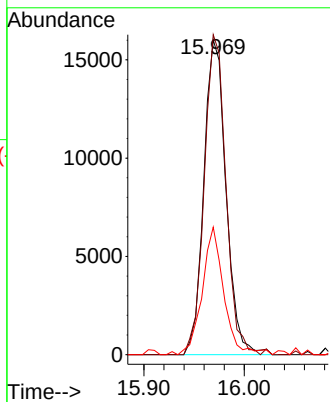
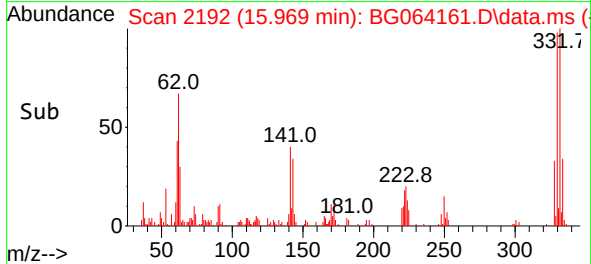


#42
2,4,6-Tribromophenol
Concen: 20.262 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

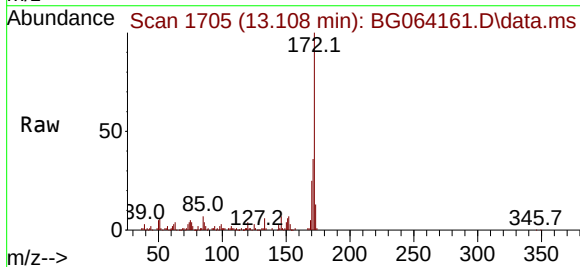
Instrument :
BNA_G
ClientSampleId :
OR-02-040125



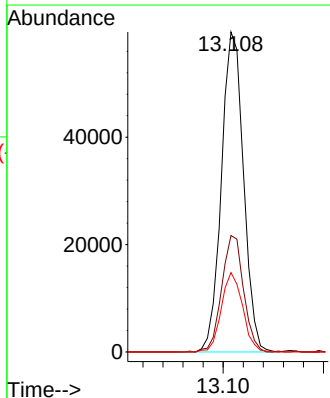
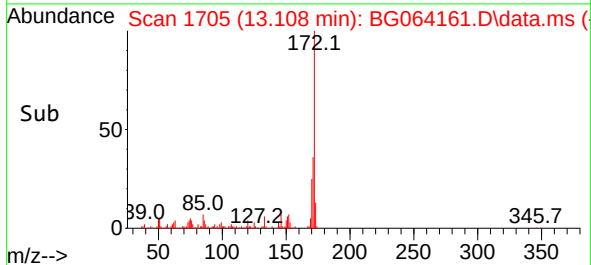
Tgt Ion:330 Resp: 24687
Ion Ratio Lower Upper
330 100
332 98.7 76.7 115.1
141 39.6 29.7 44.5

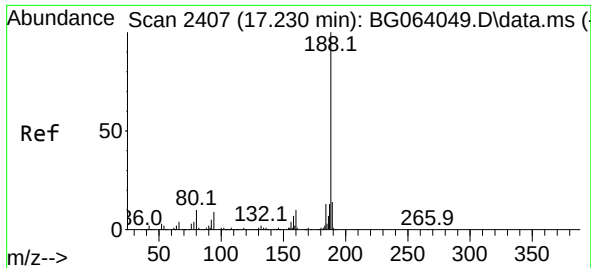


#45
2-Fluorobiphenyl
Concen: 12.585 ng
RT: 13.108 min Scan# 1705
Delta R.T. -0.010 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24



Tgt Ion:172 Resp: 90883
Ion Ratio Lower Upper
172 100
171 36.4 28.0 42.0
170 24.8 18.7 28.1

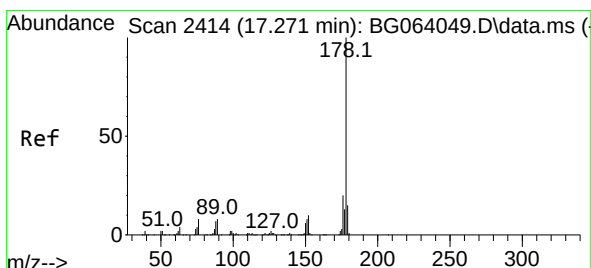
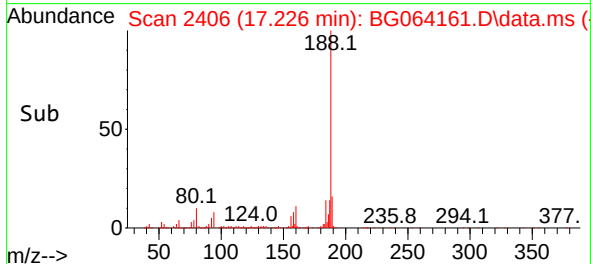
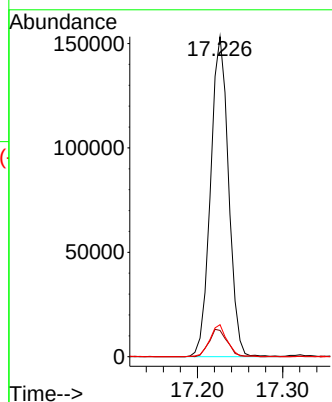
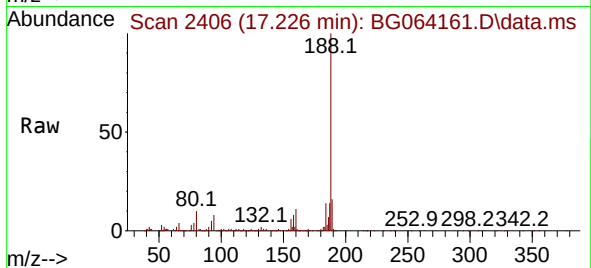




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

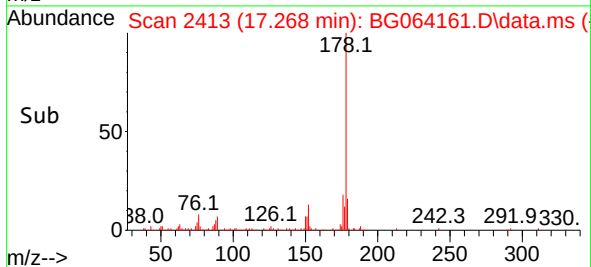
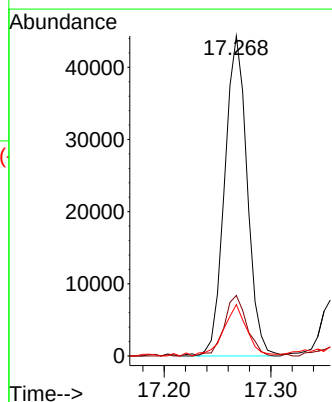
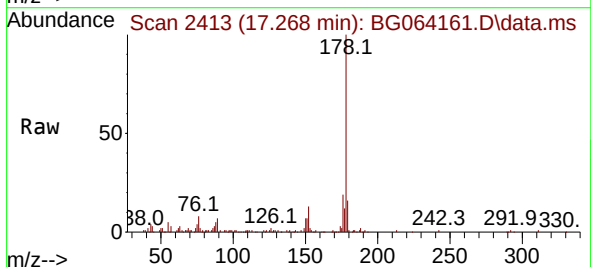
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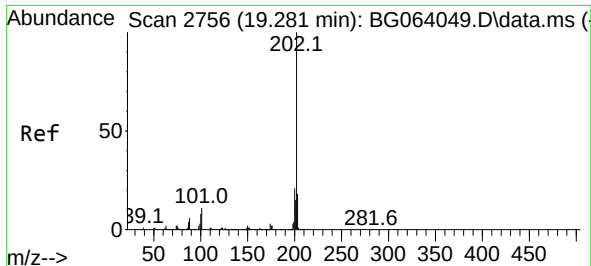
Tgt Ion:188 Resp: 225283
Ion Ratio Lower Upper
188 100
94 8.2 6.9 10.3
80 10.0 8.1 12.1



#71
Phenanthrene
Concen: 5.411 ng
RT: 17.268 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

Tgt Ion:178 Resp: 65022
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 16.0 12.2 18.2

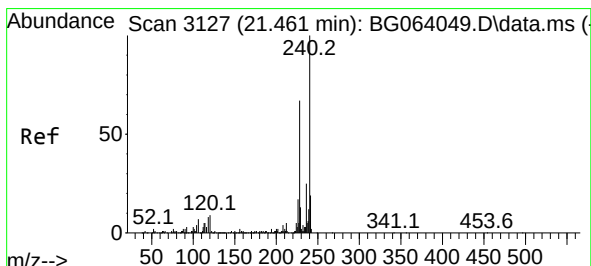
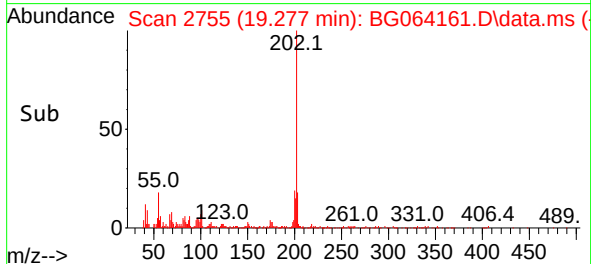
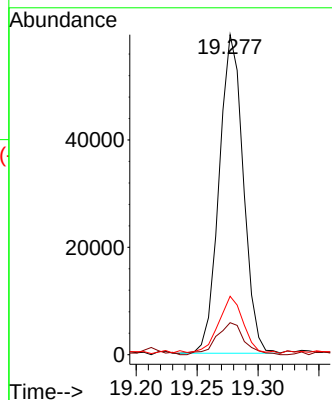
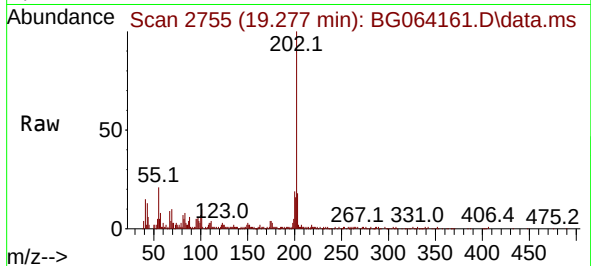




#75
Fluoranthene
Concen: 5.649 ng
RT: 19.277 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

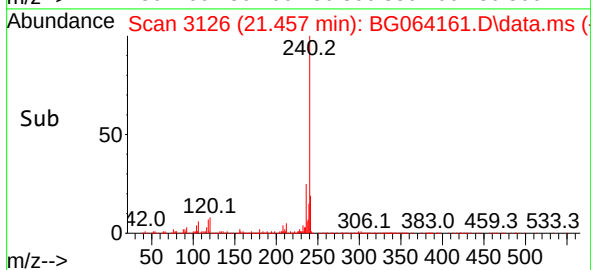
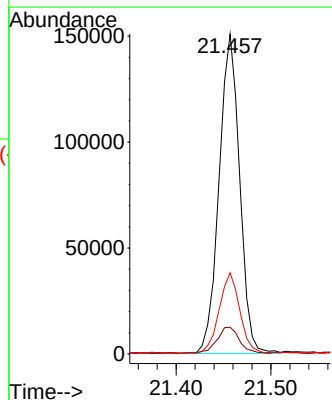
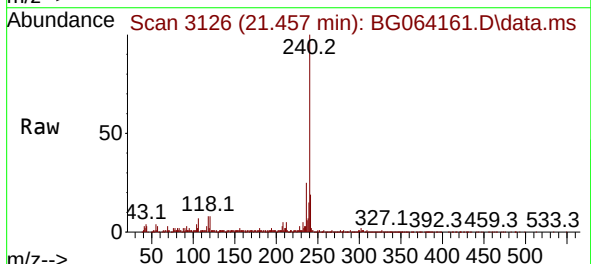
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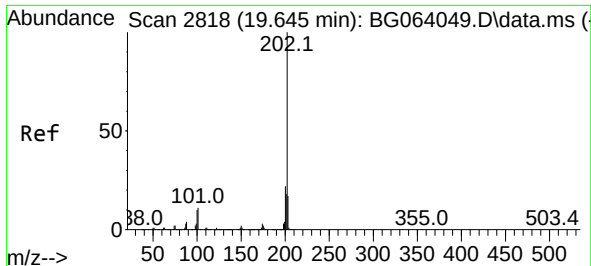
Tgt Ion:202 Resp: 81832
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.5
203 18.2 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

Tgt Ion:240 Resp: 227438
Ion Ratio Lower Upper
240 100
120 8.4 7.2 10.8
236 25.3 20.2 30.2

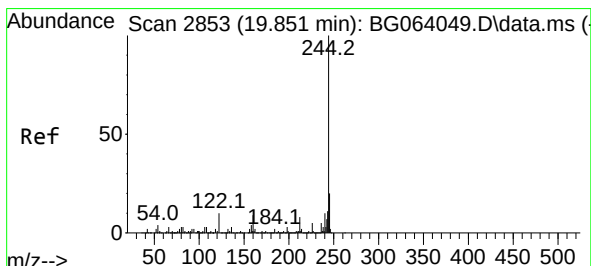
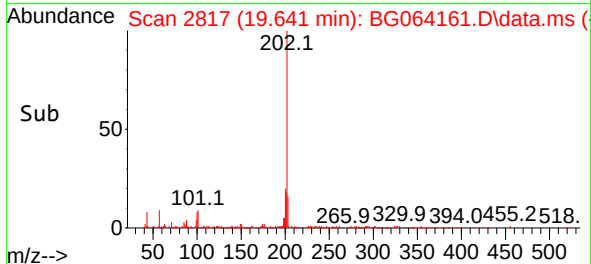
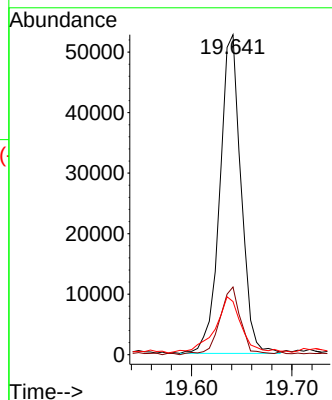
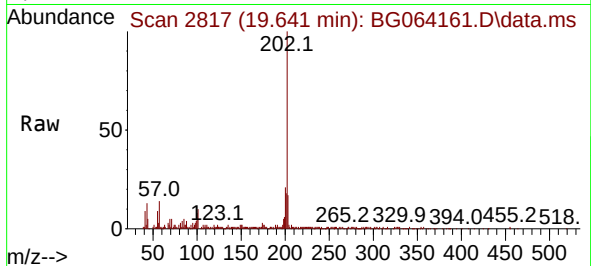




#78
 Pyrene
 Concen: 5.252 ng
 RT: 19.641 min Scan# 2818
 Delta R.T. -0.004 min
 Lab File: BG064161.D
 Acq: 2 Apr 2025 20:24

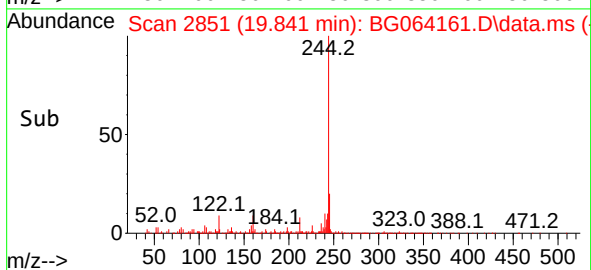
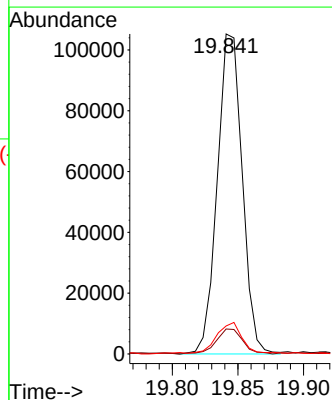
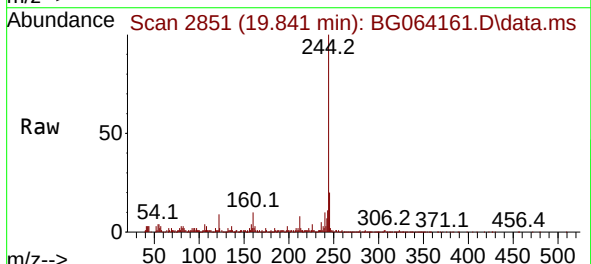
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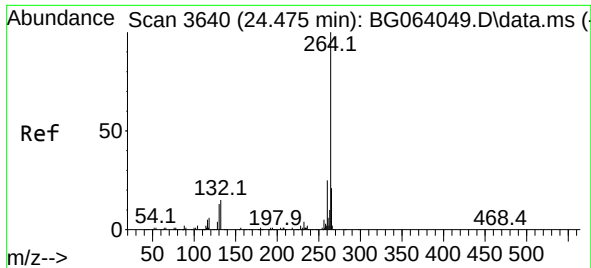
Tgt Ion:	202	Resp:	77004
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.3	25.9
203	16.6	13.6	20.4



#79
 Terphenyl-d14
 Concen: 12.371 ng
 RT: 19.841 min Scan# 2851
 Delta R.T. -0.010 min
 Lab File: BG064161.D
 Acq: 2 Apr 2025 20:24

Tgt Ion:	244	Resp:	139152
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.4
122	8.7	8.0	12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 30
Delta R.T. 0.002 min
Lab File: BG064161.D
Acq: 2 Apr 2025 20:24

Instrument :
BNA_G
ClientSampleId :
OR-02-040125

Tgt Ion:264 Resp: 252222

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.0	16.6	25.0

