

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061088.D
 Acq On : 2 May 2024 11:17
 Operator : MA/JU
 Sample : P2330-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 12:25:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

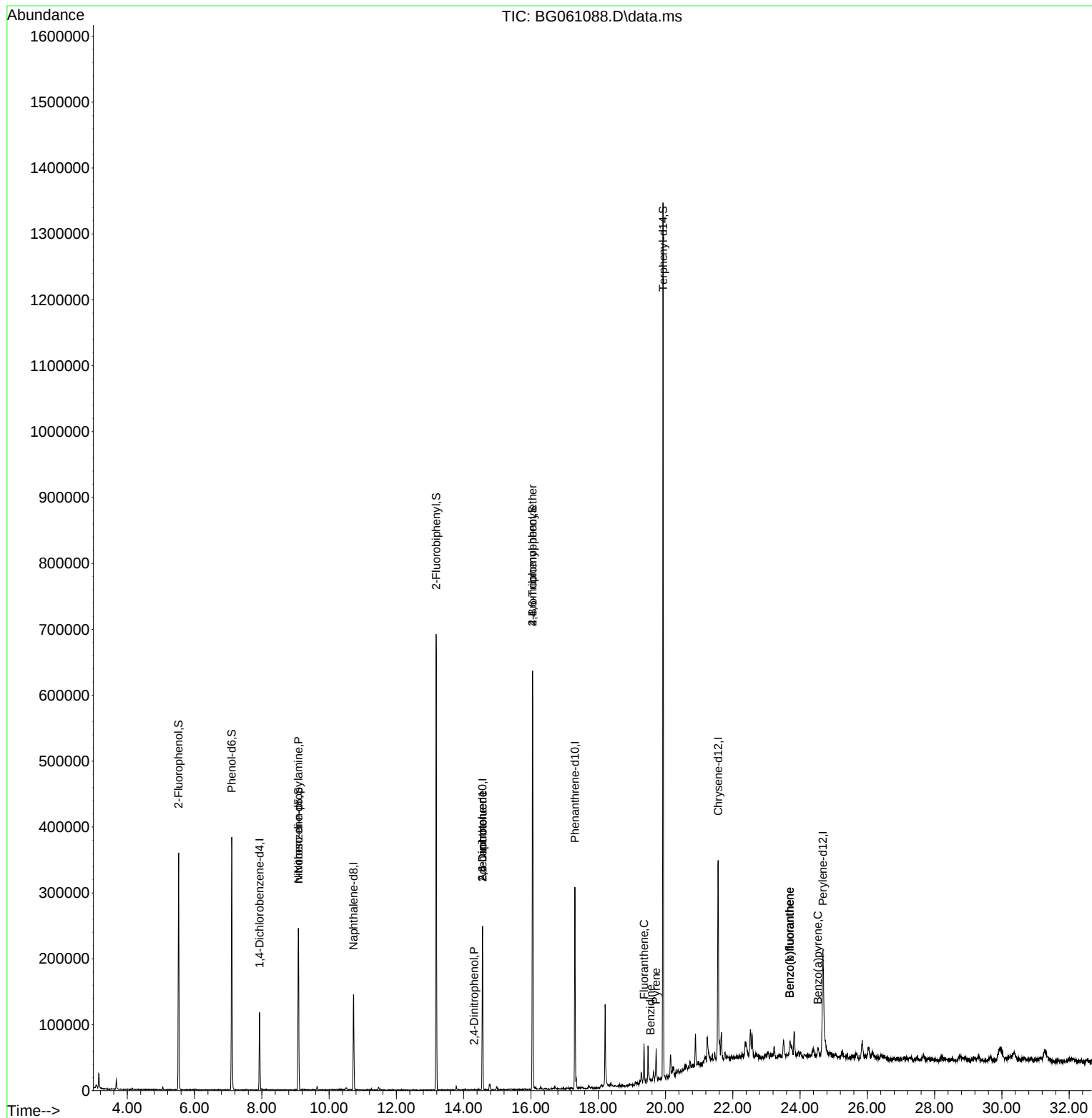
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	29601	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	112754	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	87954	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	190291	20.000	ng	-0.03
76) Chrysene-d12	21.565	240	188024	20.000	ng	-0.03
86) Perylene-d12	24.679	264	206223	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.525	112	124838	85.770	ng	-0.02
7) Phenol-d6	7.106	99	173737	80.690	ng	-0.03
23) Nitrobenzene-d5	9.086	82	124102	54.561	ng	-0.03
42) 2,4,6-Tribromophenol	16.048	330	141796	80.655	ng	-0.03
45) 2-Fluorobiphenyl	13.181	172	366921	61.688	ng	-0.03
79) Terphenyl-d14	19.926	244	652319	57.700	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.112	77	456	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.086	70	18665	11.583	ng	# 60
51) 2,6-Dinitrotoluene	14.562	165	12164	8.371	ng	# 15
54) 2,4-Dinitrophenol	14.309	184	59	2.263	ng	# 11
57) 2,4-Dinitrotoluene	14.562	165	12164	5.658	ng	# 17
67) 4-Bromophenyl-phenylether	16.048	248	9398	4.192	ng	# 1
75) Fluoranthene	19.362	202	31939	2.679	ng	97
77) Benzidine	19.556	184	577	2.947	ng	# 14
78) Pyrene	19.721	202	31177	2.608	ng	98
88) Benzo(b)fluoranthene	23.692	252	29477	2.558	ng	# 98
89) Benzo(k)fluoranthene	23.692	252	29477	2.659	ng	# 97
90) Benzo(a)pyrene	24.527	252	20240	2.016	ng	# 95

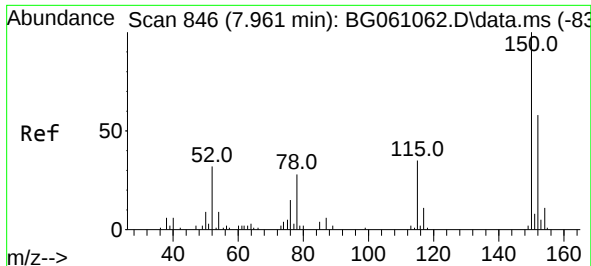
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061088.D
Acq On : 2 May 2024 11:17
Operator : MA/JU
Sample : P2330-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 02 12:25:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

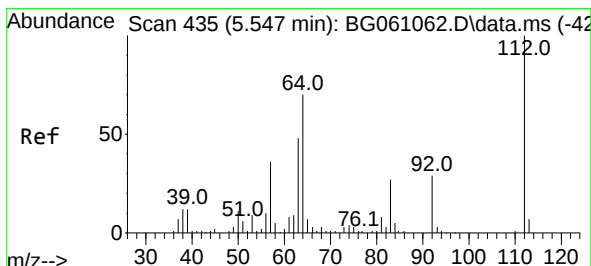
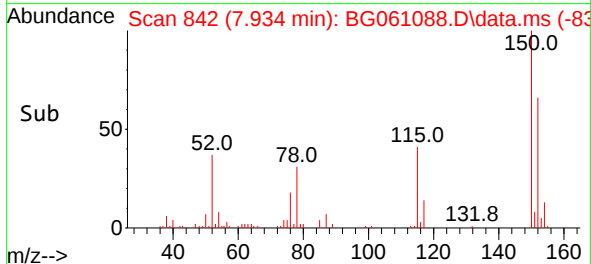
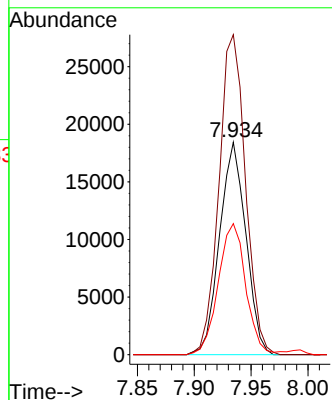
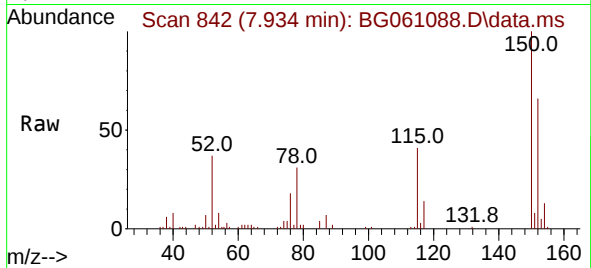




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.934 min Scan# 84
 Delta R.T. -0.027 min
 Lab File: BG061088.D
 Acq: 2 May 2024 11:17

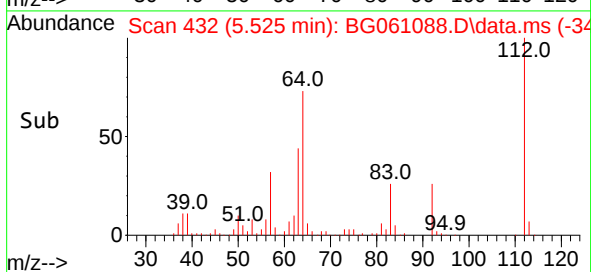
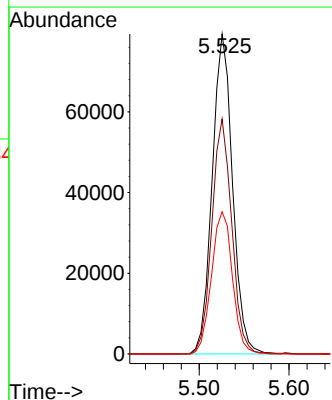
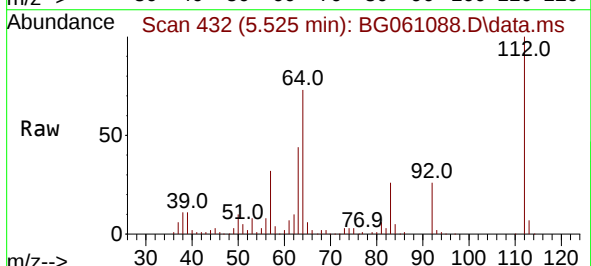
Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:152 Resp: 29601
 Ion Ratio Lower Upper
 152 100
 150 150.6 138.3 207.5
 115 61.7 48.0 72.0



#5
 2-Fluorophenol
 Concen: 85.770 ng
 RT: 5.525 min Scan# 432
 Delta R.T. -0.021 min
 Lab File: BG061088.D
 Acq: 2 May 2024 11:17

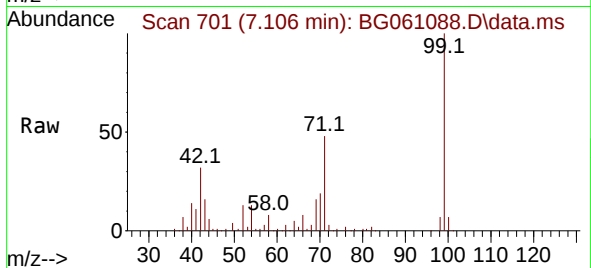
Tgt Ion:112 Resp: 124838
 Ion Ratio Lower Upper
 112 100
 64 73.5 55.7 83.5
 63 44.4 38.1 57.1





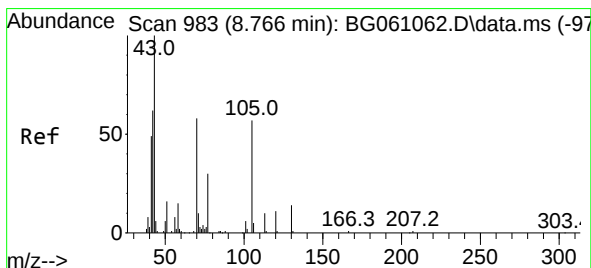
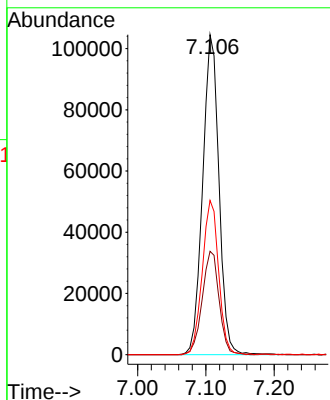
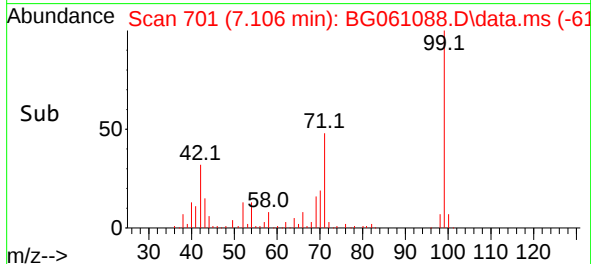
#7
Phenol-d6
Concen: 80.690 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Instrument :
BNA_G
ClientSampleId :

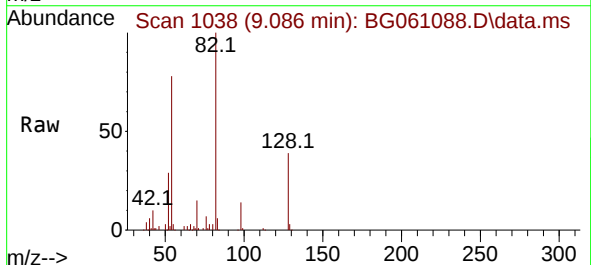


Tgt Ion: 99 Resp: 173737

Ion	Ratio	Lower	Upper
99	100		
42	32.3	29.2	43.8
71	48.2	39.7	59.5

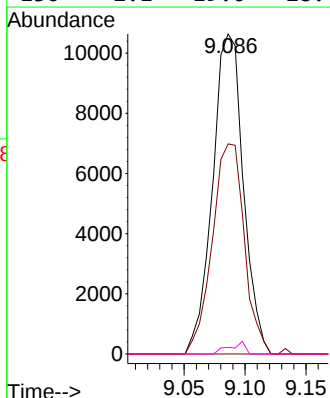
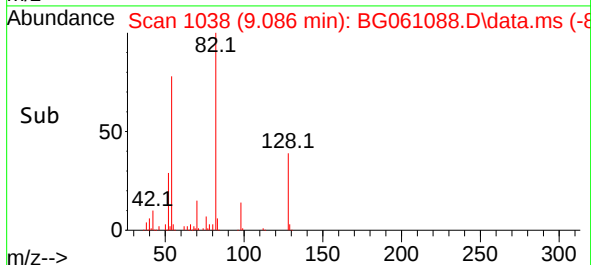


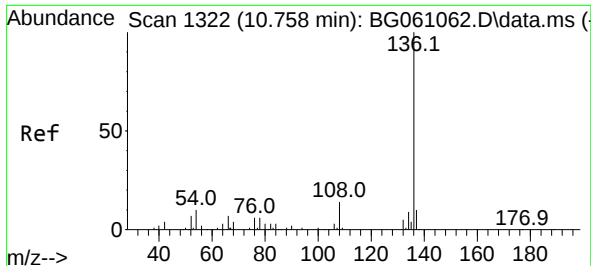
#19
n-Nitroso-di-n-propylamine
Concen: 11.583 ng
RT: 9.086 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17



Tgt Ion: 70 Resp: 18665

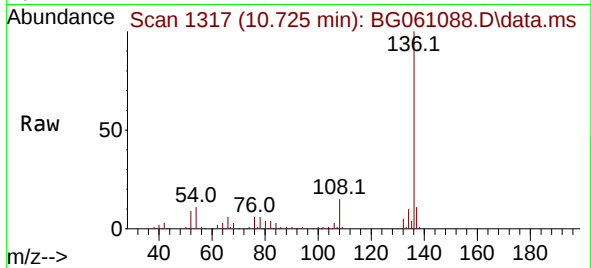
Ion	Ratio	Lower	Upper
70	100		
42	65.7	86.4	129.6#
101	0.0	7.8	11.8#
130	2.1	19.0	28.4#



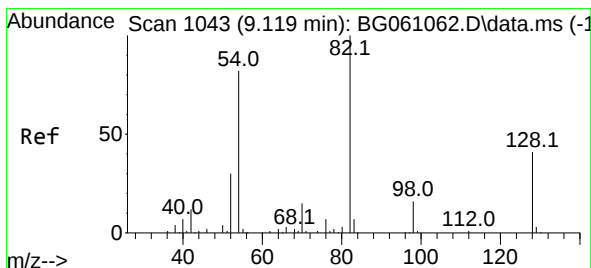
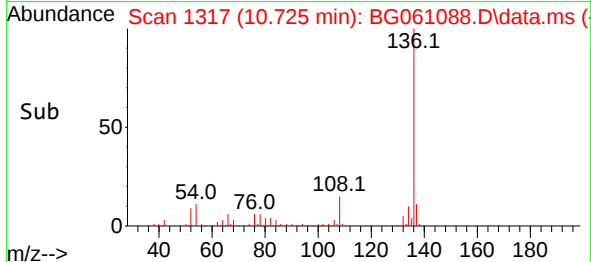
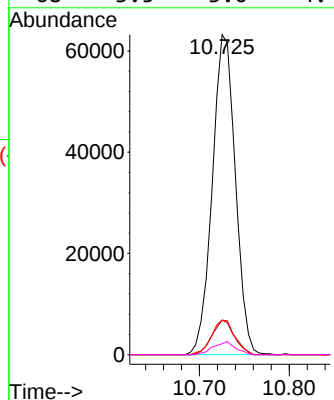


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Instrument :
BNA_G
ClientSampleId :

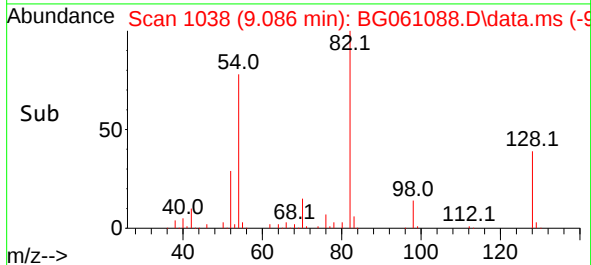
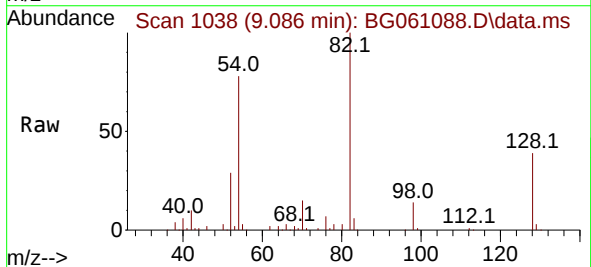
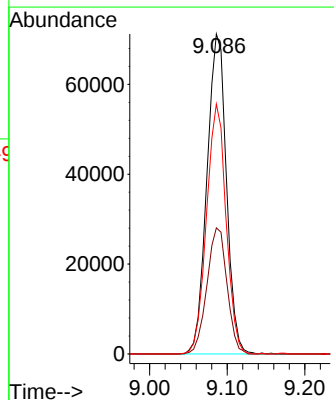


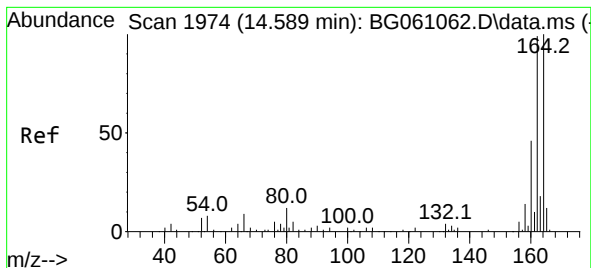
Tgt Ion:	136	Resp:	112754
Ion	Ratio	Lower	Upper
136	100		
137	10.8	7.8	11.6
54	10.8	8.1	12.1
68	3.5	3.0	4.4



#23
Nitrobenzene-d5
Concen: 54.561 ng
RT: 9.086 min Scan# 1038
Delta R.T. -0.033 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Tgt Ion:	82	Resp:	124102
Ion	Ratio	Lower	Upper
82	100		
128	39.4	32.7	49.1
54	78.1	65.6	98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1974

Delta R.T. -0.027 min

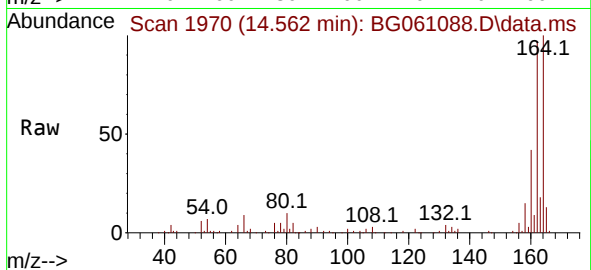
Lab File: BG061088.D

Acq: 2 May 2024 11:17

Instrument :

BNA_G

ClientSampleId :



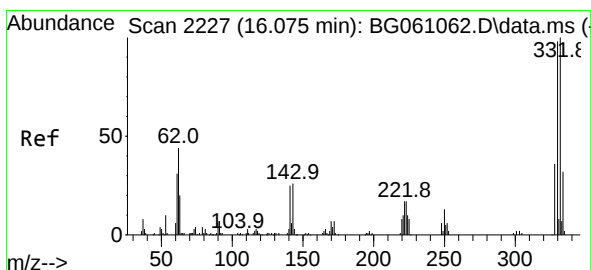
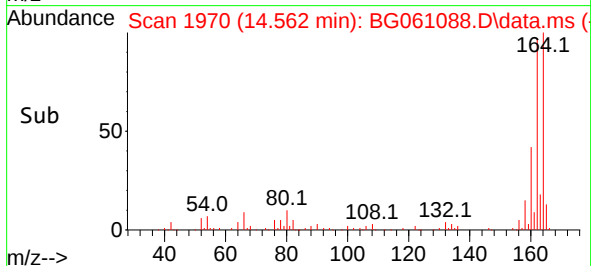
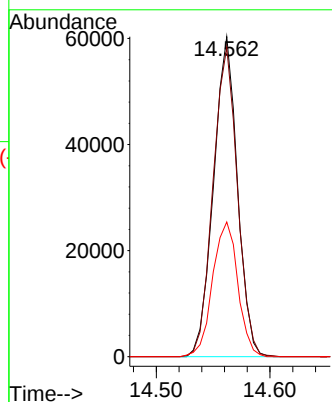
Tgt Ion:164 Resp: 87954

Ion Ratio Lower Upper

164 100

162 96.7 79.4 119.2

160 42.1 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 80.655 ng

RT: 16.048 min Scan# 2223

Delta R.T. -0.027 min

Lab File: BG061088.D

Acq: 2 May 2024 11:17

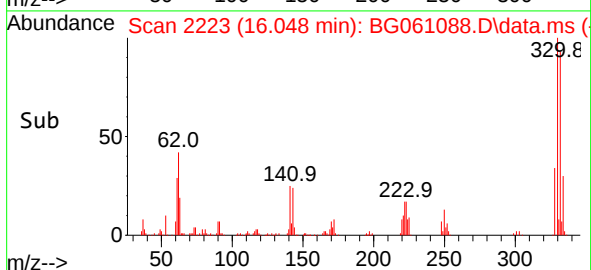
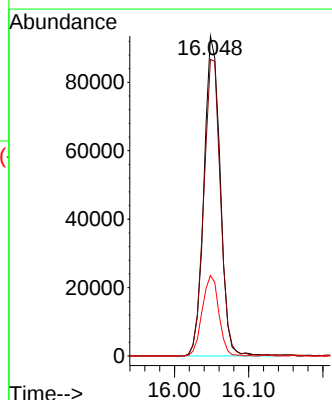
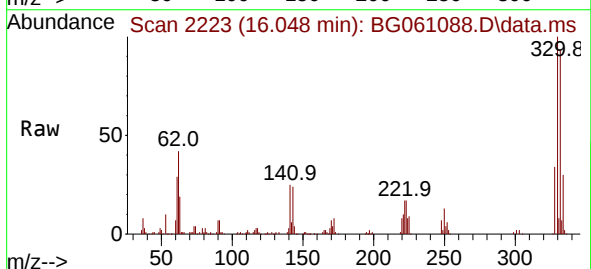
Tgt Ion:330 Resp: 141796

Ion Ratio Lower Upper

330 100

332 95.6 78.6 117.8

141 25.7 20.5 30.7

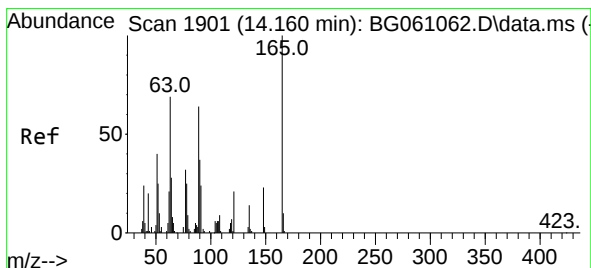
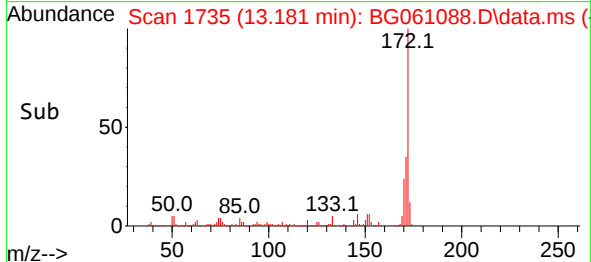
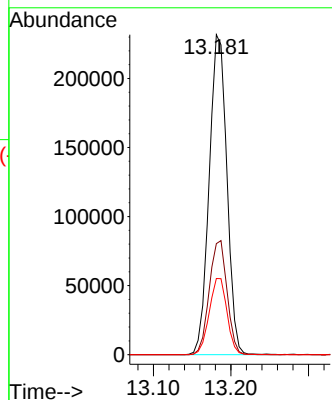
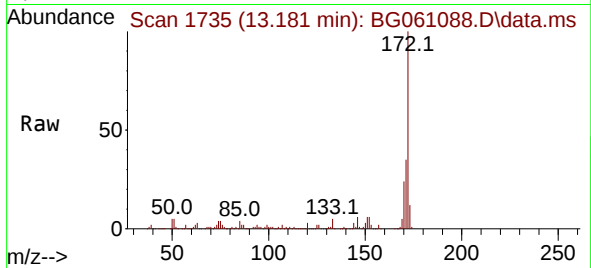




#45
2-Fluorobiphenyl
Concen: 61.688 ng
RT: 13.181 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

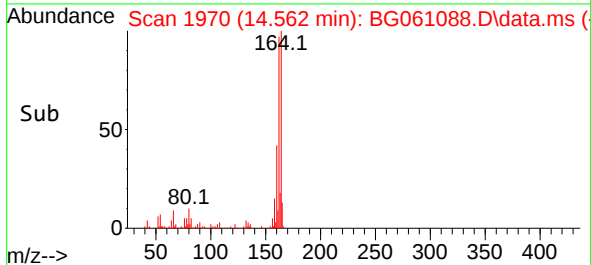
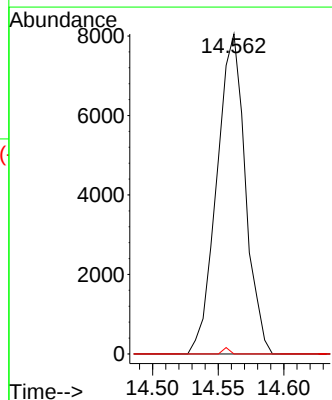
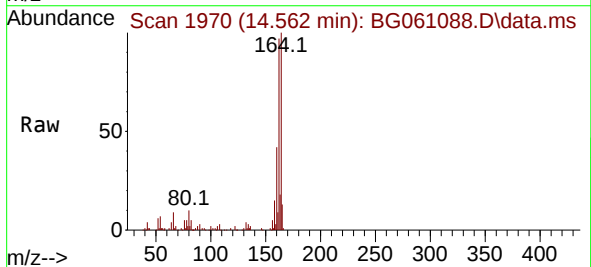
Instrument :
BNA_G
ClientSampleId :

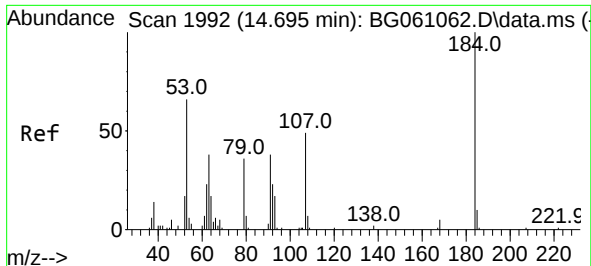
Tgt Ion:172 Resp: 366921
Ion Ratio Lower Upper
172 100
171 34.7 29.0 43.6
170 23.8 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.371 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.402 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

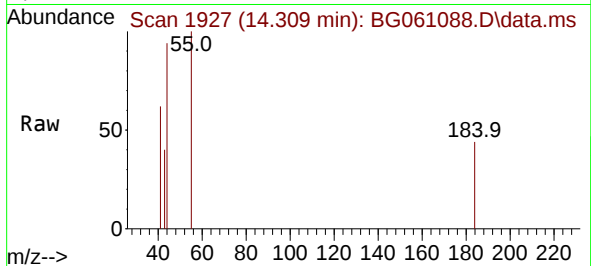
Tgt Ion:165 Resp: 12164
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



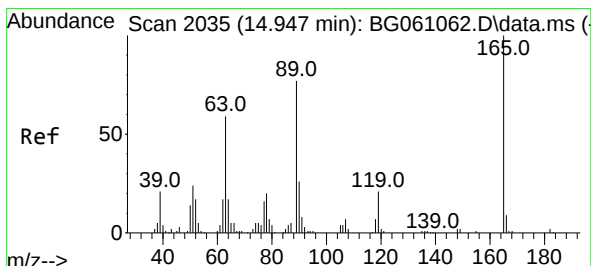
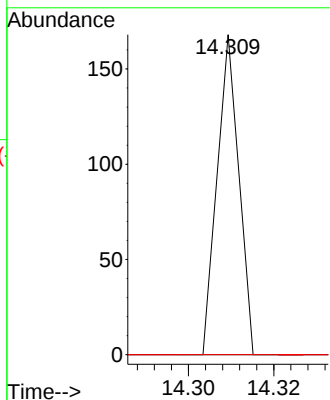
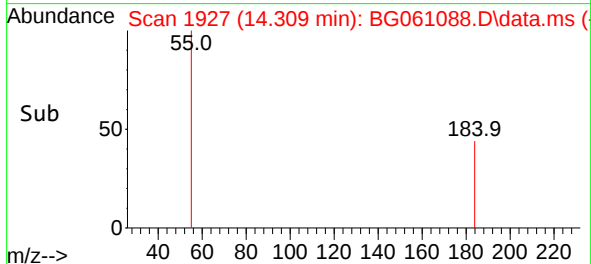


#54
2,4-Dinitrophenol
Concen: 2.263 ng
RT: 14.309 min Scan# 1927
Delta R.T. -0.385 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

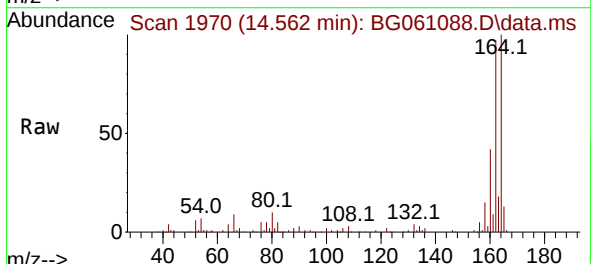
Instrument :
BNA_G
ClientSampleId :



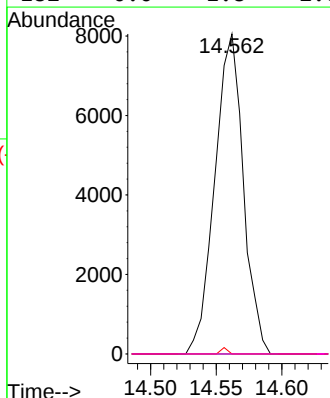
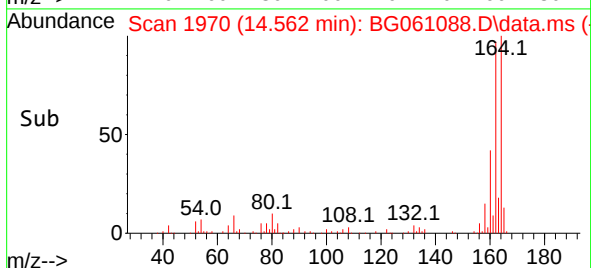
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 62.6 93.8#
154 0.0 61.4 92.0#

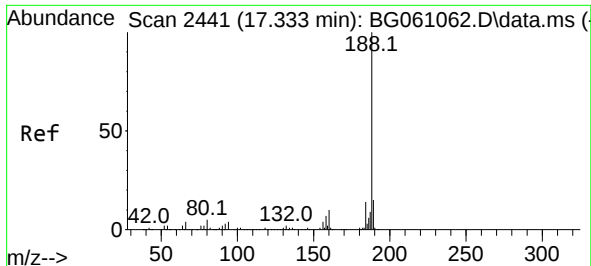


#57
2,4-Dinitrotoluene
Concen: 5.658 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.385 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17



Tgt Ion:165 Resp: 12164
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#

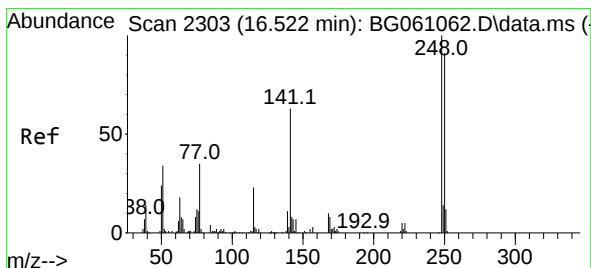
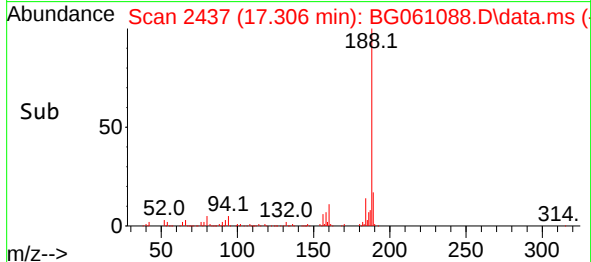
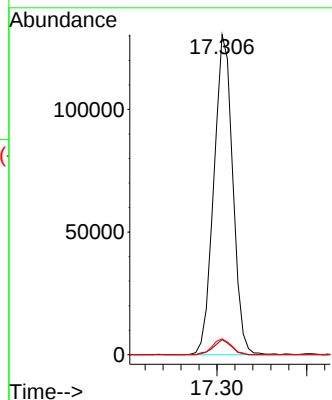
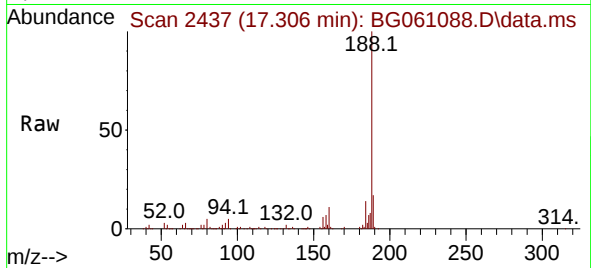




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2441
Delta R.T. -0.027 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

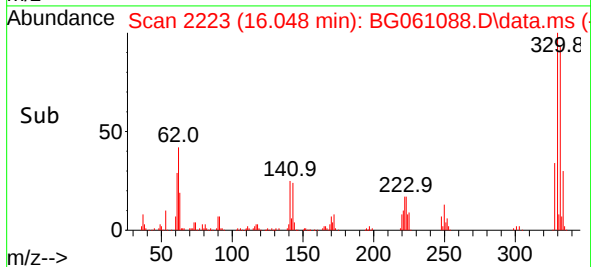
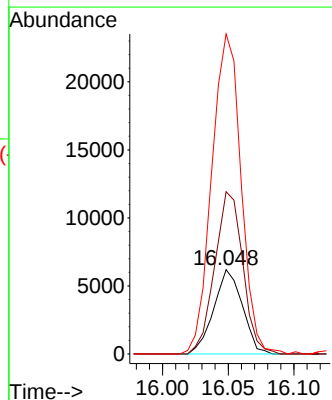
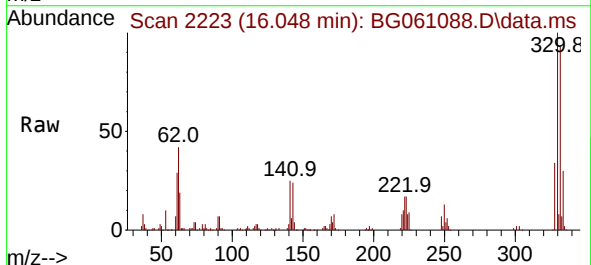
Instrument :
BNA_G
ClientSampleId :

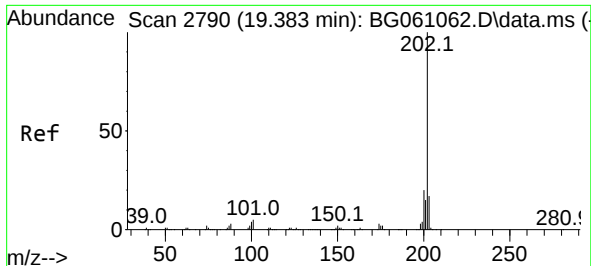
Tgt Ion:188 Resp: 190291
Ion Ratio Lower Upper
188 100
94 4.7 3.6 5.4
80 5.0 4.2 6.2



#67
4-Bromophenyl-phenylether
Concen: 4.192 ng
RT: 16.048 min Scan# 2223
Delta R.T. -0.474 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

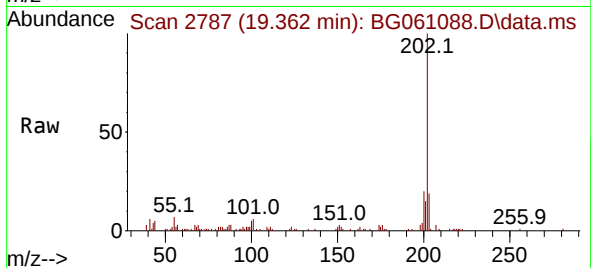
Tgt Ion:248 Resp: 9398
Ion Ratio Lower Upper
248 100
250 192.4 73.0 109.4#
141 379.7 50.8 76.2#



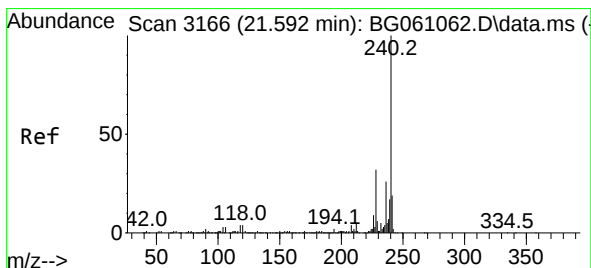
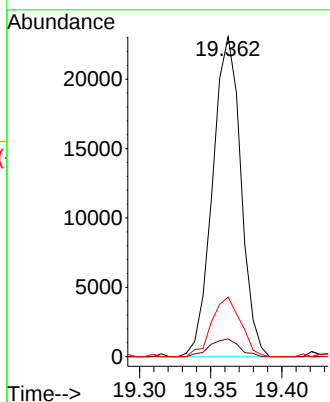


#75
Fluoranthene
Concen: 2.679 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Instrument :
BNA_G
ClientSampleId :

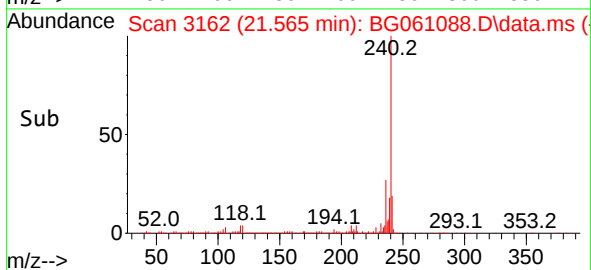
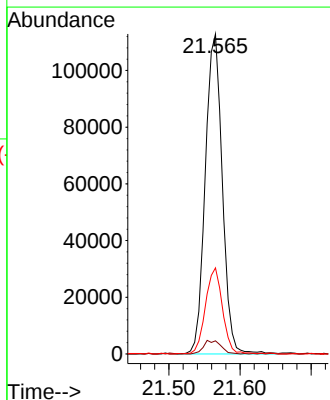
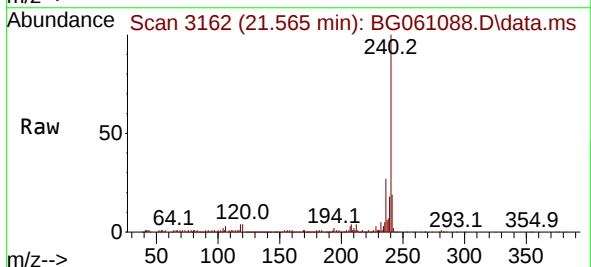


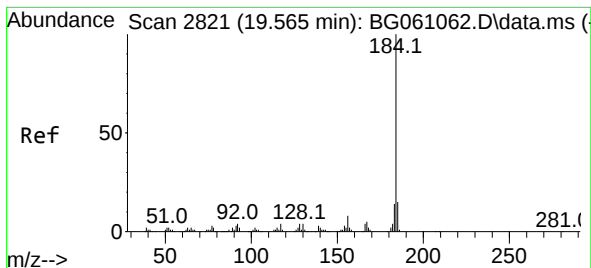
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.6	0.0	24.7
203	18.6	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.1	3.2	4.8
236	26.9	21.0	31.6





#77

Benzidine

Concen: 2.947 ng

RT: 19.556 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG061088.D

Acq: 2 May 2024 11:17

Instrument :

BNA_G

ClientSampleId :

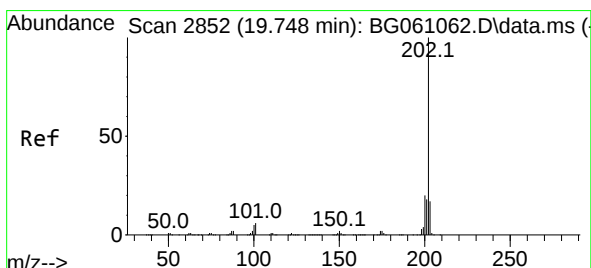
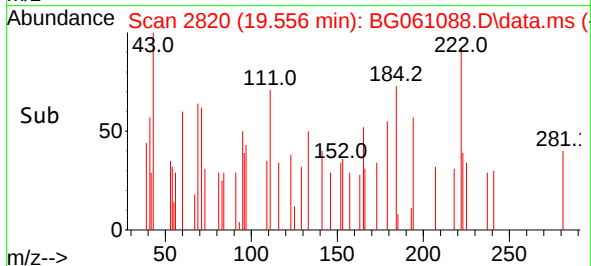
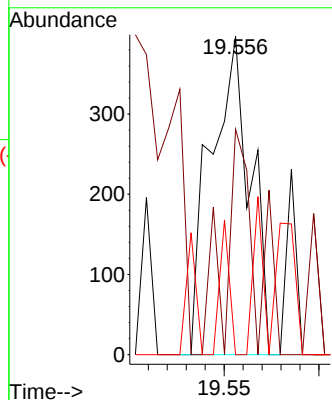
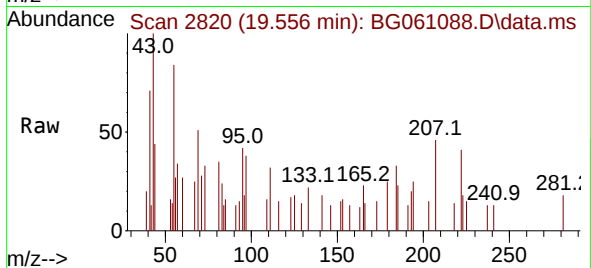
Tgt Ion:184 Resp: 577

Ion Ratio Lower Upper

184 100

185 70.8 12.0 18.0#

183 0.0 10.9 16.3#



#78

Pyrene

Concen: 2.608 ng

RT: 19.721 min Scan# 2848

Delta R.T. -0.027 min

Lab File: BG061088.D

Acq: 2 May 2024 11:17

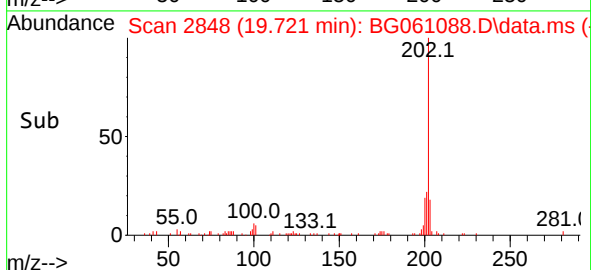
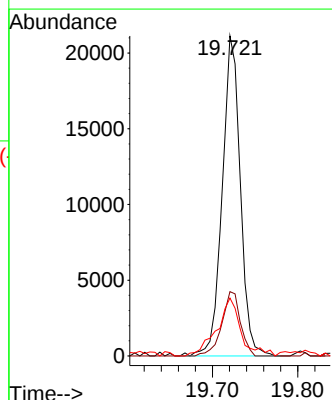
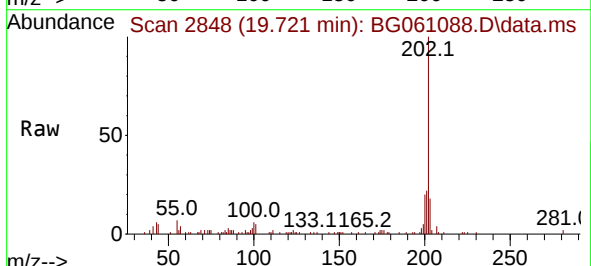
Tgt Ion:202 Resp: 31177

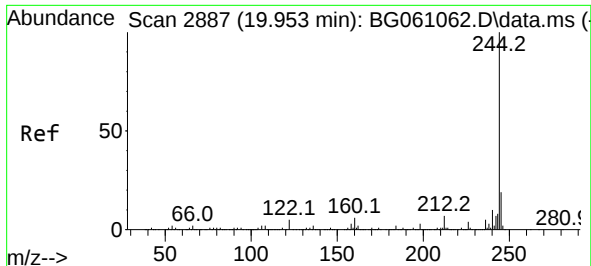
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.4

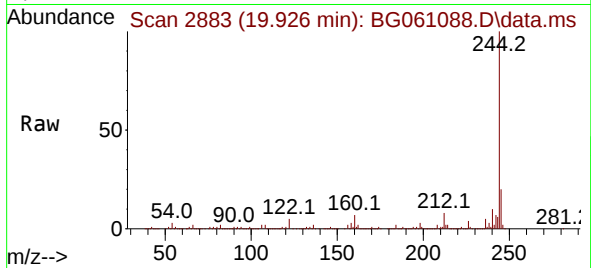
203 18.1 13.3 19.9



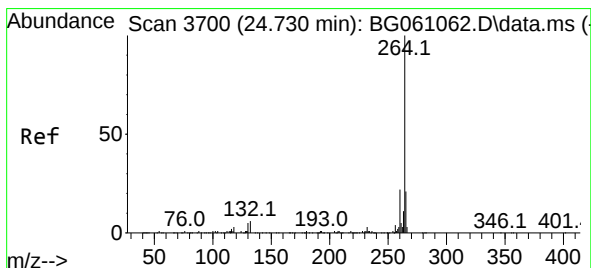
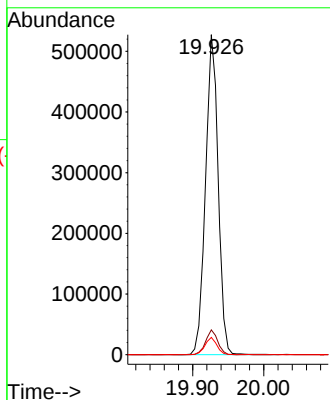
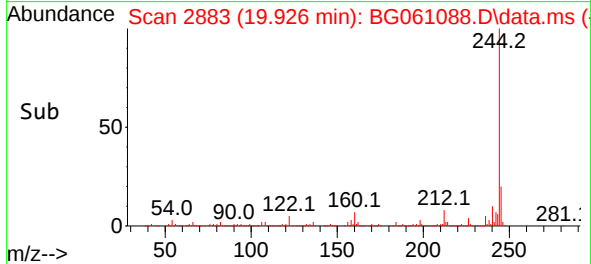


#79
Terphenyl-d14
Concen: 57.700 ng
RT: 19.926 min Scan# 21
Delta R.T. -0.027 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Instrument :
BNA_G
ClientSampleId :

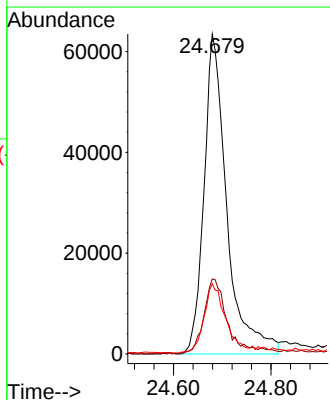
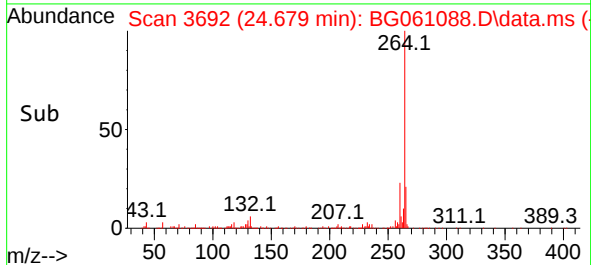
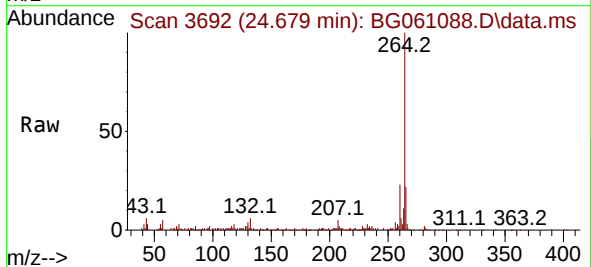


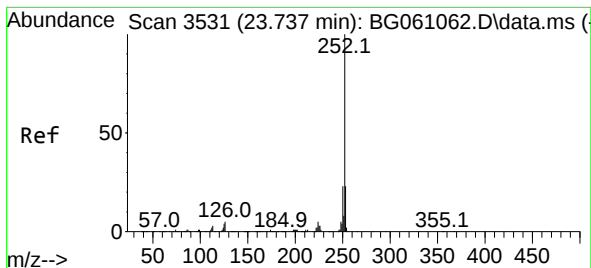
Tgt Ion:244 Resp: 652319
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 5.4 4.2 6.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.679 min Scan# 3692
Delta R.T. -0.050 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Tgt Ion:264 Resp: 206223
Ion Ratio Lower Upper
264 100
260 23.4 17.7 26.5
265 22.0 16.4 24.6





#88

Benzo(b)fluoranthene

Concen: 2.558 ng

RT: 23.692 min Scan# 3524

Delta R.T. -0.045 min

Lab File: BG061088.D

Acq: 2 May 2024 11:17

Instrument :

BNA_G

ClientSampleId :

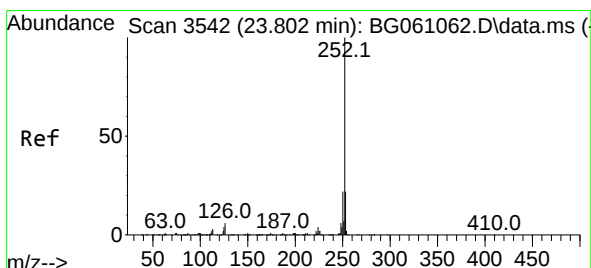
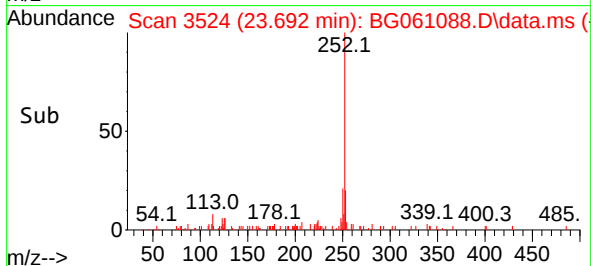
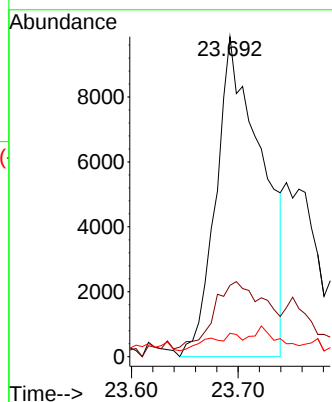
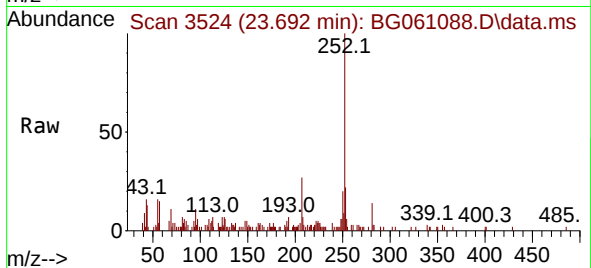
Tgt Ion:252 Resp: 29477

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 7.3 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 2.659 ng

RT: 23.692 min Scan# 3524

Delta R.T. -0.109 min

Lab File: BG061088.D

Acq: 2 May 2024 11:17

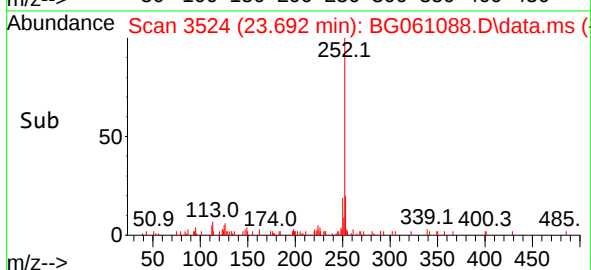
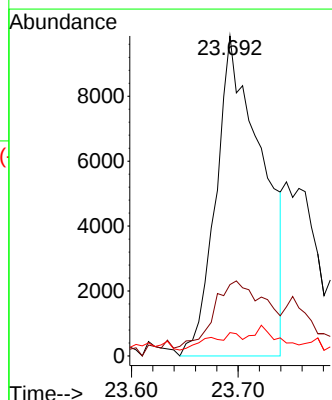
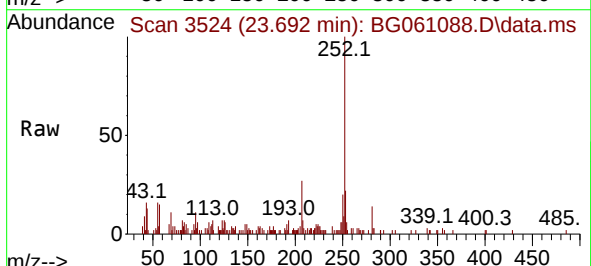
Tgt Ion:252 Resp: 29477

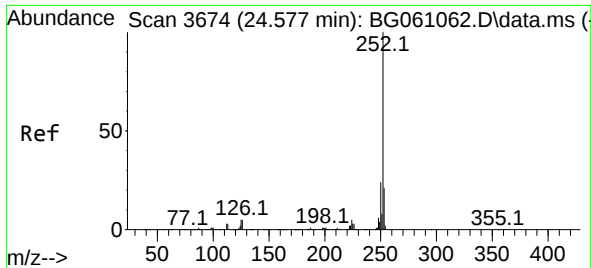
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

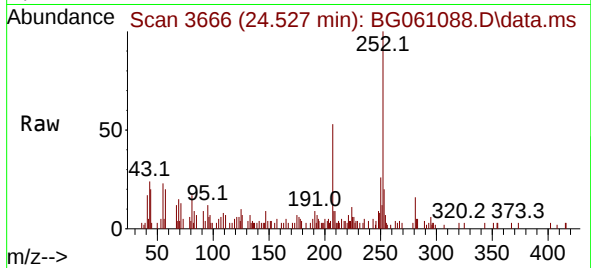
125 7.3 3.2 4.8#





#90
Benzo(a)pyrene
Concen: 2.016 ng
RT: 24.527 min Scan# 30
Delta R.T. -0.050 min
Lab File: BG061088.D
Acq: 2 May 2024 11:17

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:	252	Ratio	100	Lower	16.9	Upper	25.3
252	100						
253	19.8			3.8		5.8	
125	10.4						

