

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042324\
 Data File : BG061012.D
 Acq On : 23 Apr 2024 17:57
 Operator : MA/JU
 Sample : P2227-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-04222024

Quant Time: Apr 23 18:35:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

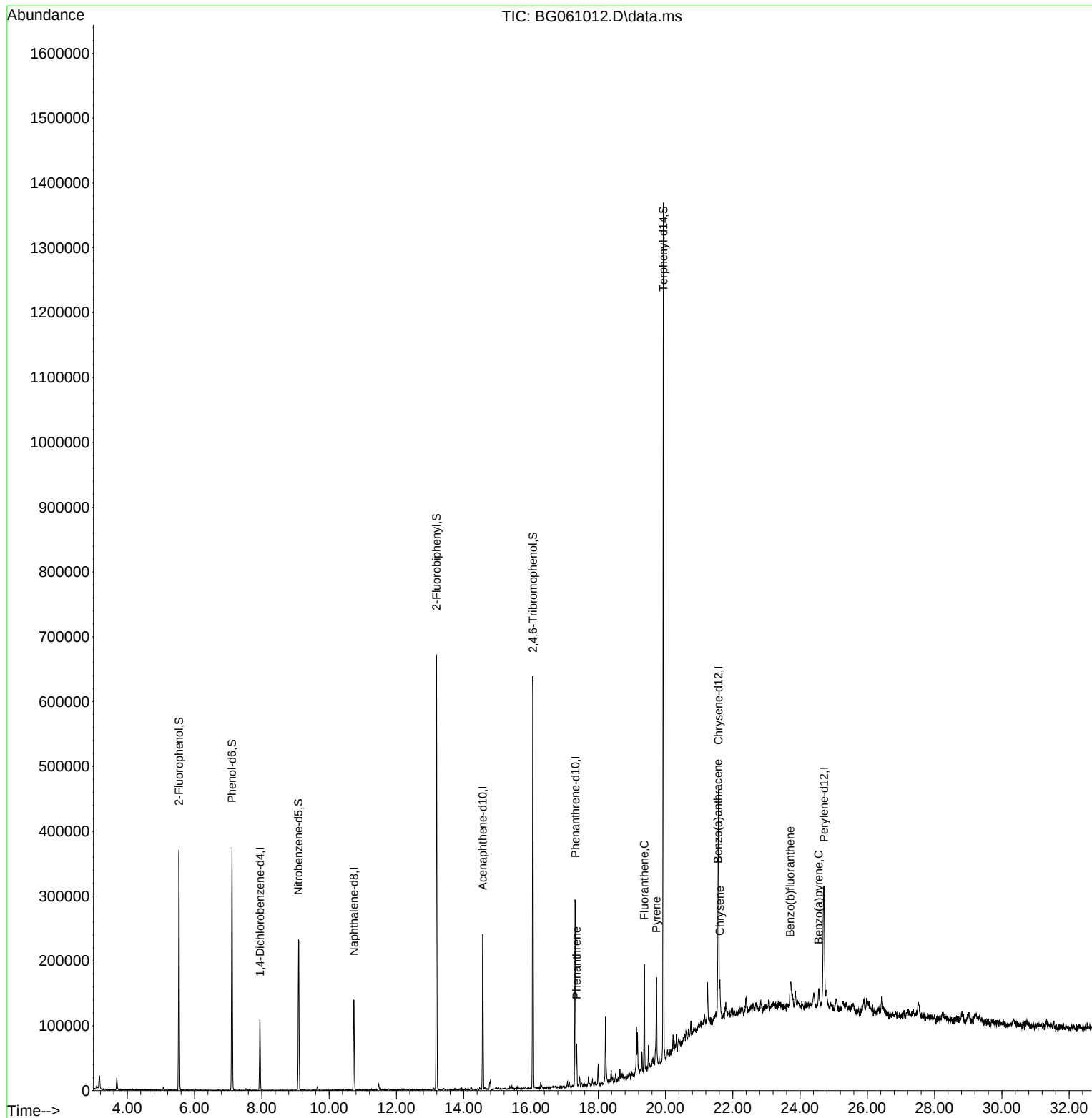
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	28280	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	108537	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	85567	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	195867	20.000	ng	# 0.00
76) Chrysene-d12	21.578	240	196733	20.000	ng	0.00
86) Perylene-d12	24.709	264	235273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	134955	96.528	ng	0.00
7) Phenol-d6	7.112	99	168844	81.394	ng	0.00
23) Nitrobenzene-d5	9.092	82	120519	49.889	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	141627	75.374	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	336480	54.424	ng	0.00
79) Terphenyl-d14	19.938	244	656786	51.821	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.359	178	42116	4.213	ng	95
75) Fluoranthene	19.369	202	103935	7.833	ng	98
78) Pyrene	19.733	202	82420	6.153	ng	99
81) Benzo(a)anthracene	21.560	228	36802	2.661	ng	# 90
83) Chrysene	21.619	228	37471	2.845	ng	96
88) Benzo(b)fluoranthene	23.711	252	49764	3.732	ng	# 90
90) Benzo(a)pyrene	24.551	252	32305	2.503	ng	# 91

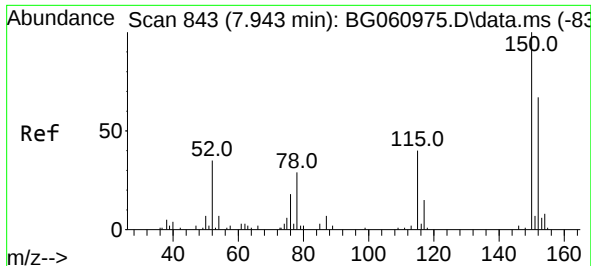
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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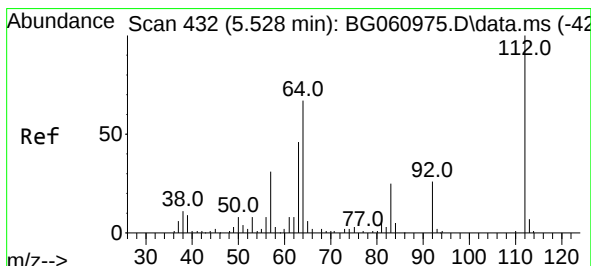
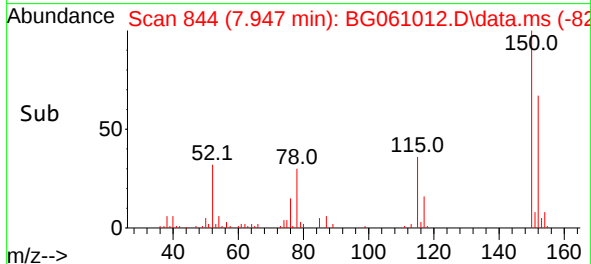
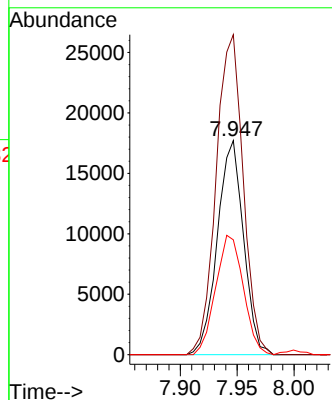
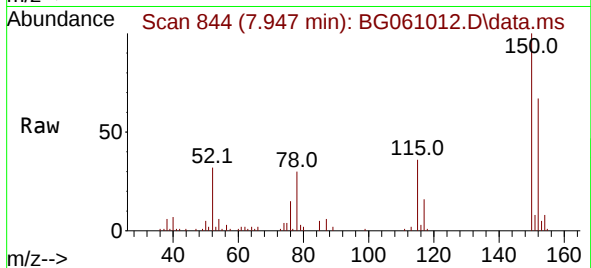




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

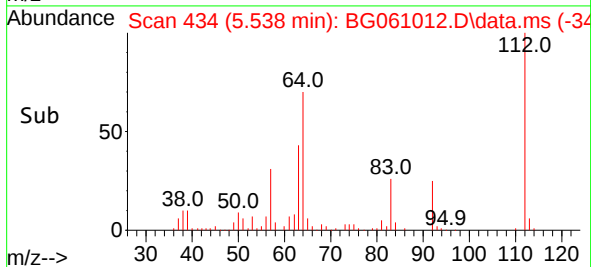
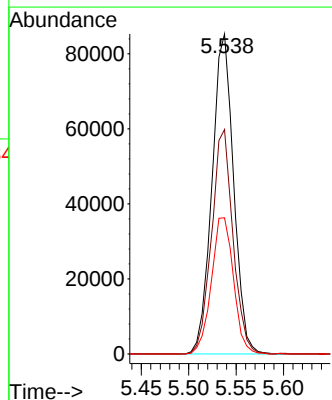
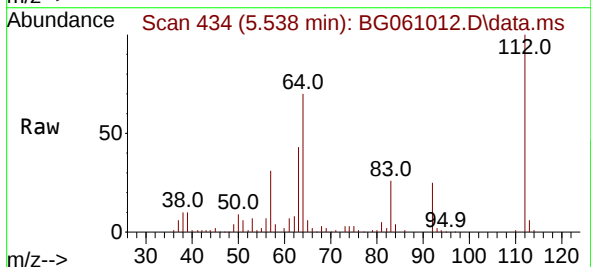
Instrument :
BNA_G
ClientSampleId :
HD-02-04222024

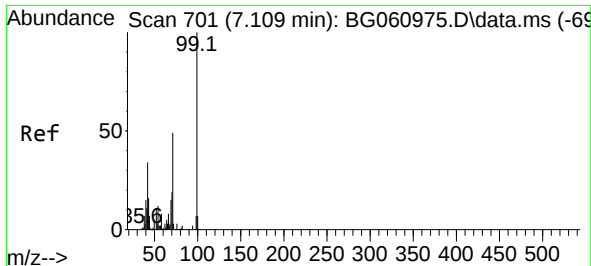
Tgt Ion:152 Resp: 28280
Ion Ratio Lower Upper
152 100
150 149.5 118.6 178.0
115 53.7 47.4 71.0



#5
2-Fluorophenol
Concen: 96.528 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

Tgt Ion:112 Resp: 134955
Ion Ratio Lower Upper
112 100
64 70.1 53.7 80.5
63 42.5 37.0 55.6

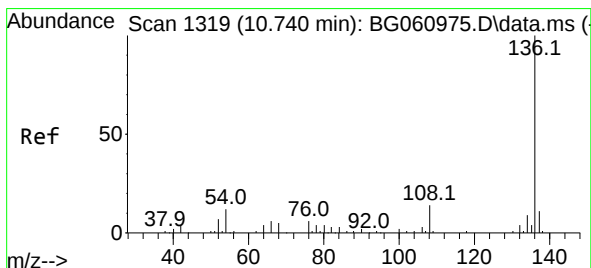
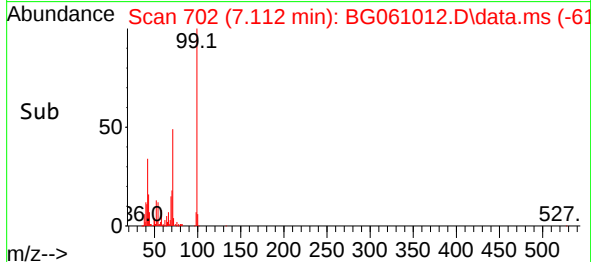
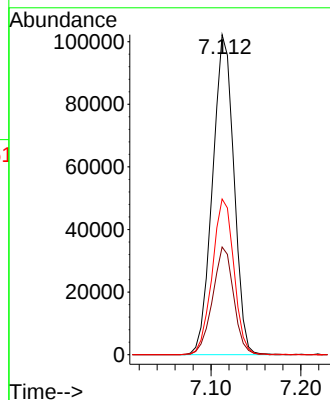
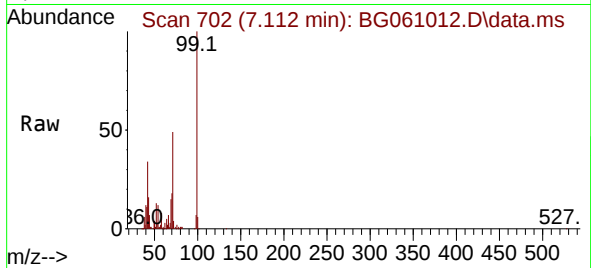




#7
Phenol-d6
Concen: 81.394 ng
RT: 7.112 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

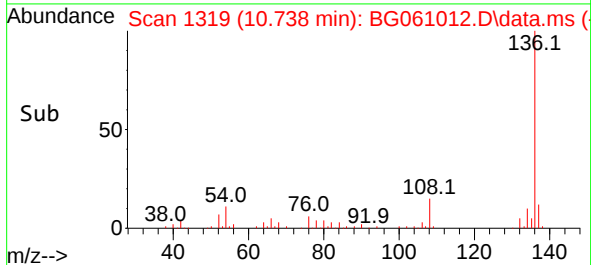
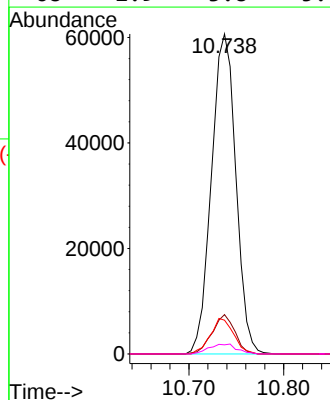
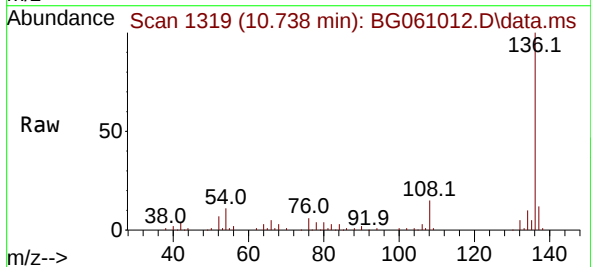
Instrument :
BNA_G
ClientSampleId :
HD-02-04222024

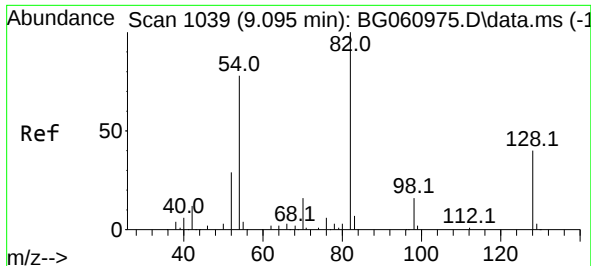
Tgt Ion: 99 Resp: 168844
Ion Ratio Lower Upper
99 100
42 33.7 27.2 40.8
71 48.7 38.8 58.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 1319
Delta R.T. -0.002 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

Tgt Ion: 136 Resp: 108537
Ion Ratio Lower Upper
136 100
137 12.3 8.5 12.7
54 10.6 9.4 14.0
68 2.9 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 49.889 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.002 min

Lab File: BG061012.D

Acq: 23 Apr 2024 17:57

Instrument :

BNA_G

ClientSampleId :

HD-02-04222024

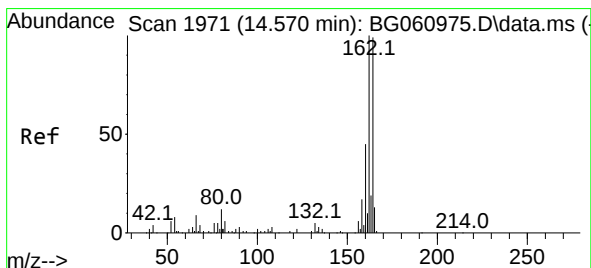
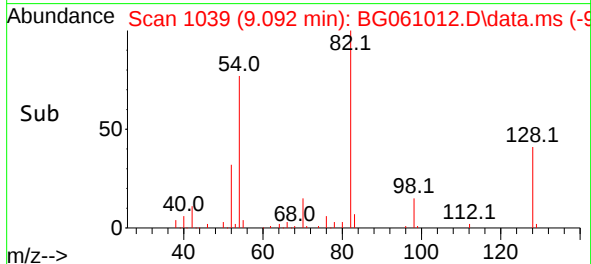
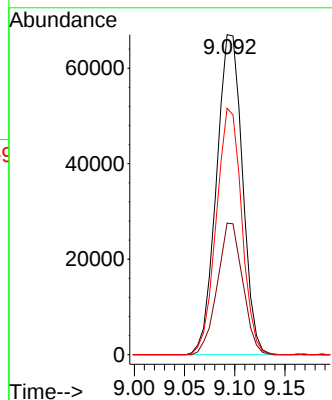
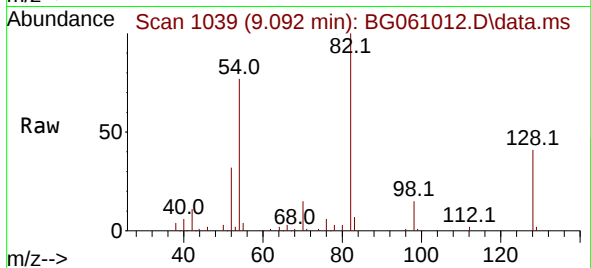
Tgt Ion: 82 Resp: 120519

Ion Ratio Lower Upper

82 100

128 41.1 32.1 48.1

54 77.0 62.3 93.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.002 min

Lab File: BG061012.D

Acq: 23 Apr 2024 17:57

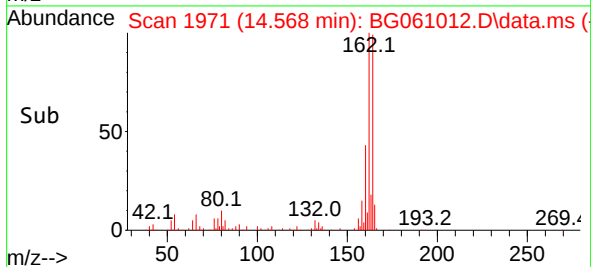
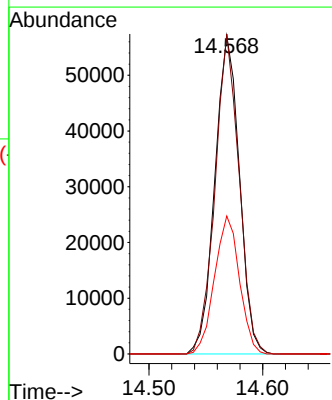
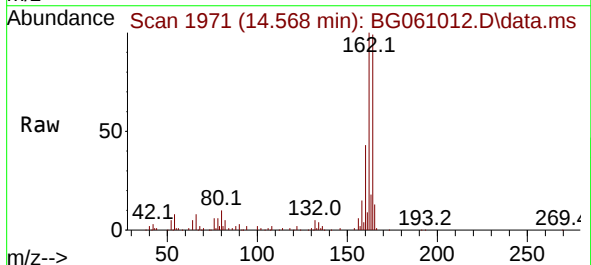
Tgt Ion:164 Resp: 85567

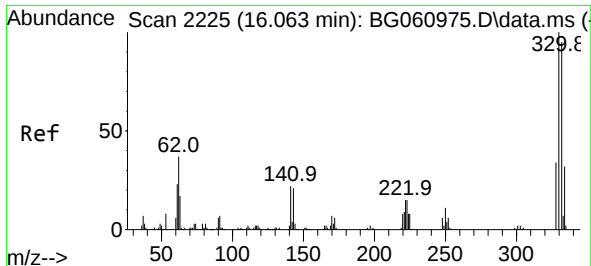
Ion Ratio Lower Upper

164 100

162 100.6 81.2 121.8

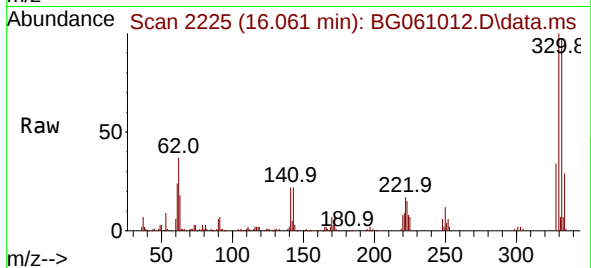
160 43.3 36.2 54.2



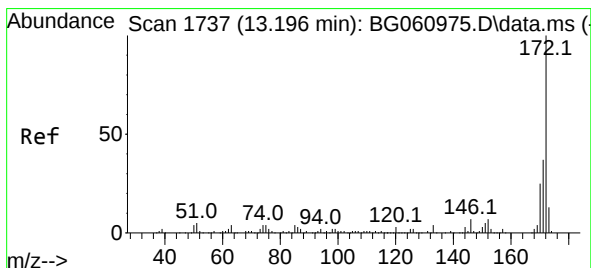
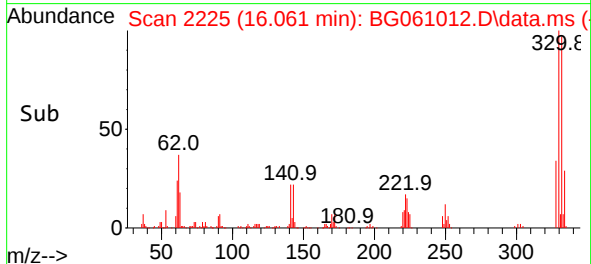
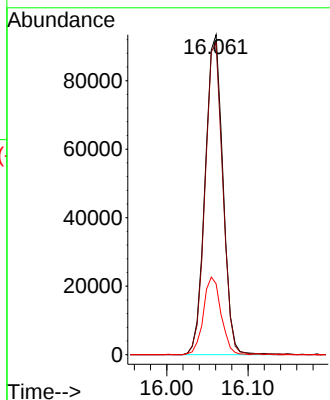


#42
2,4,6-Tribromophenol
Concen: 75.374 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

Instrument :
BNA_G
ClientSampleId :
HD-02-04222024

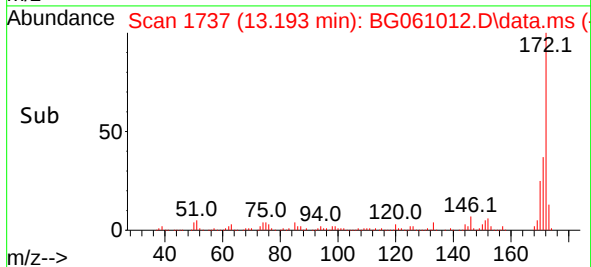
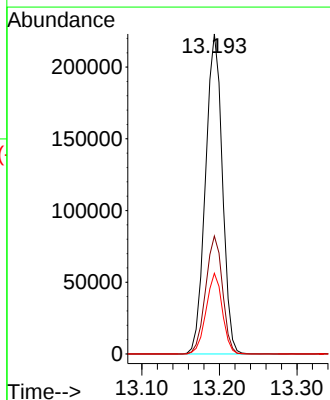
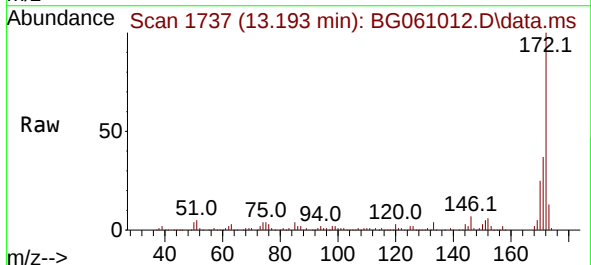


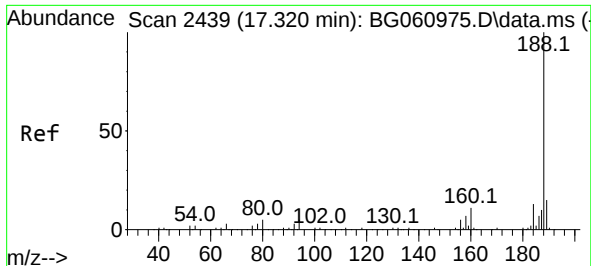
Tgt Ion:330 Resp: 141627
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 24.1 20.6 31.0



#45
2-Fluorobiphenyl
Concen: 54.424 ng
RT: 13.193 min Scan# 1737
Delta R.T. -0.002 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

Tgt Ion:172 Resp: 336480
Ion Ratio Lower Upper
172 100
171 36.9 29.3 43.9
170 25.2 20.1 30.1

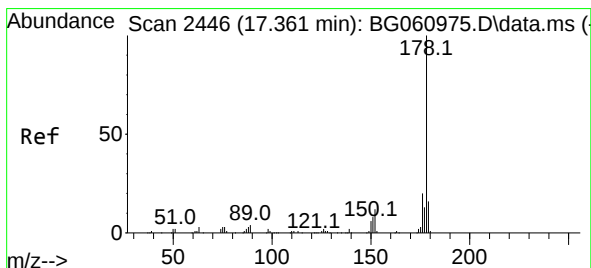
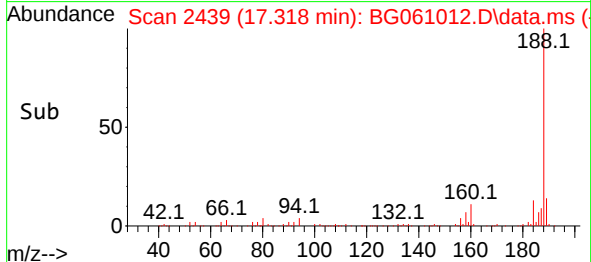
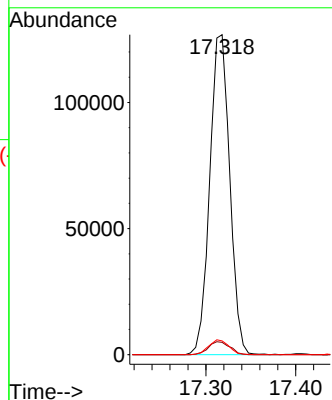
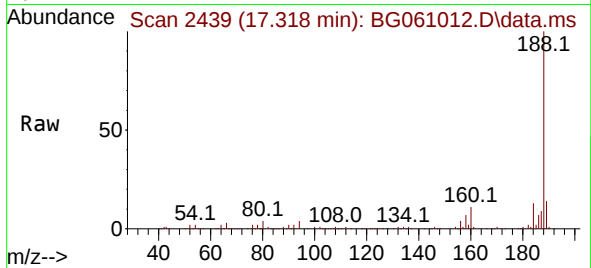




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

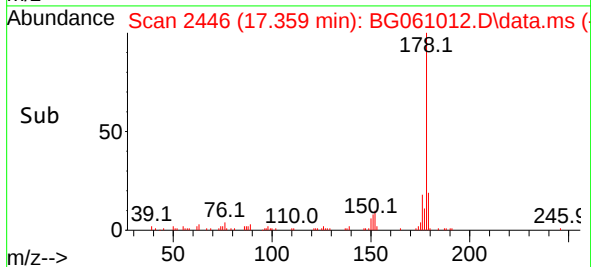
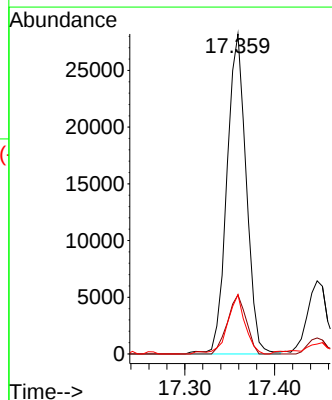
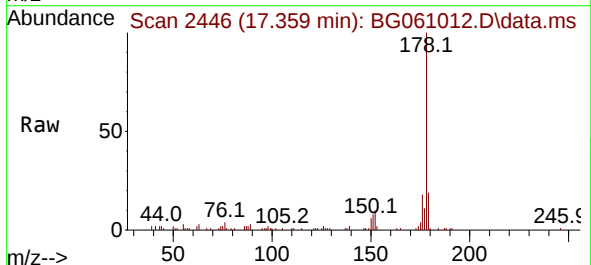
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BNA_G
ClientSampleId :
HD-02-04222024

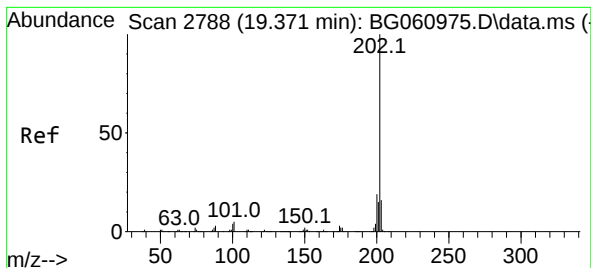
Tgt Ion:188 Resp: 195867
Ion Ratio Lower Upper
188 100
94 3.9 4.1 6.1#
80 4.3 4.0 6.0



#71
Phenanthrene
Concen: 4.213 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

Tgt Ion:178 Resp: 42116
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 18.5 12.5 18.7





#75

Fluoranthene

Concen: 7.833 ng

RT: 19.369 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG061012.D

Acq: 23 Apr 2024 17:57

Instrument :

BNA_G

ClientSampleId :

HD-02-04222024

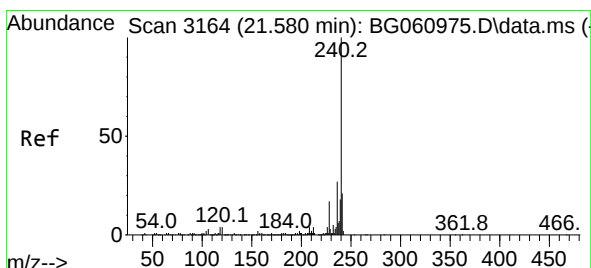
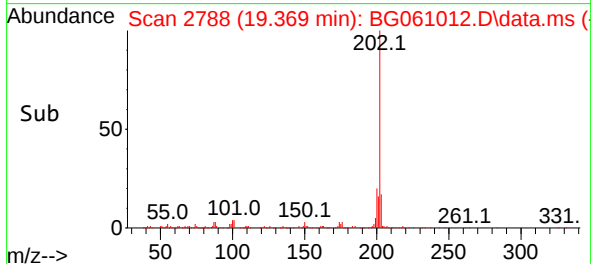
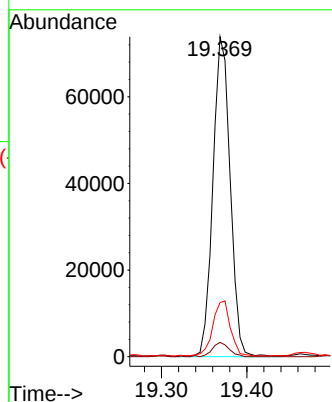
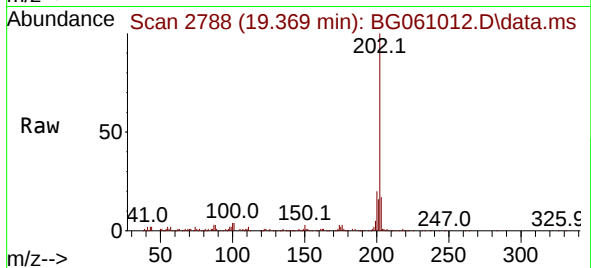
Tgt Ion:202 Resp: 103935

Ion Ratio Lower Upper

202 100

101 4.5 0.0 24.9

203 16.9 0.0 36.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.578 min Scan# 3164

Delta R.T. -0.002 min

Lab File: BG061012.D

Acq: 23 Apr 2024 17:57

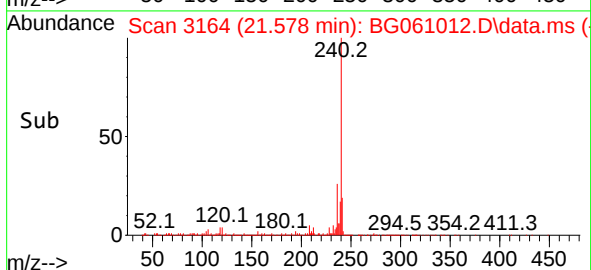
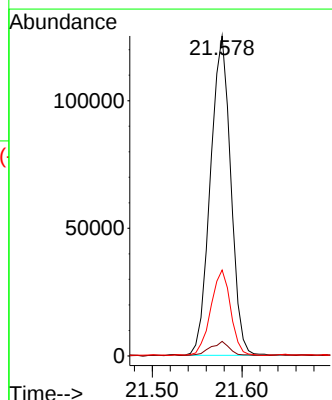
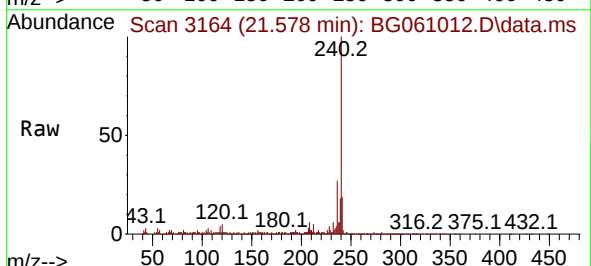
Tgt Ion:240 Resp: 196733

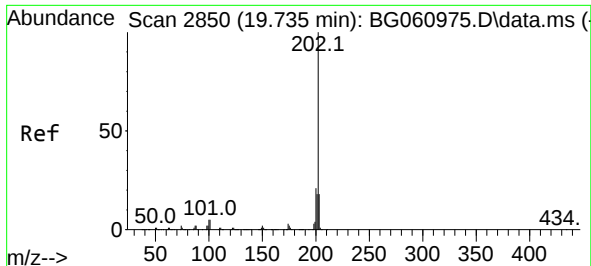
Ion Ratio Lower Upper

240 100

120 4.5 3.0 4.6

236 26.9 21.8 32.6

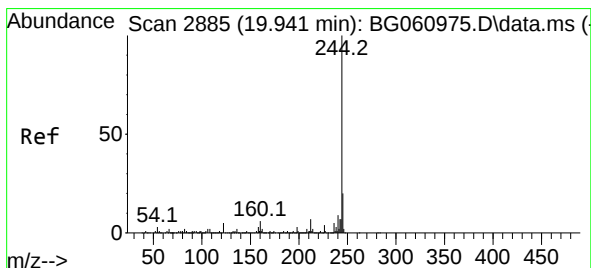
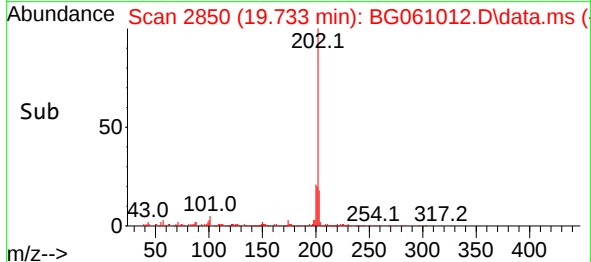
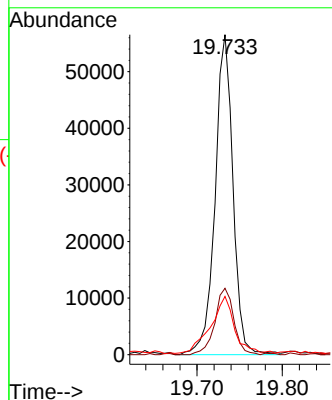
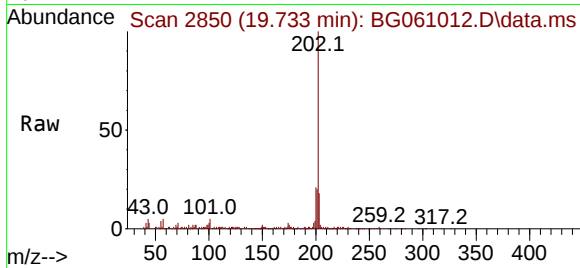




#78
 Pyrene
 Concen: 6.153 ng
 RT: 19.733 min Scan# 2850
 Delta R.T. -0.002 min
 Lab File: BG061012.D
 Acq: 23 Apr 2024 17:57

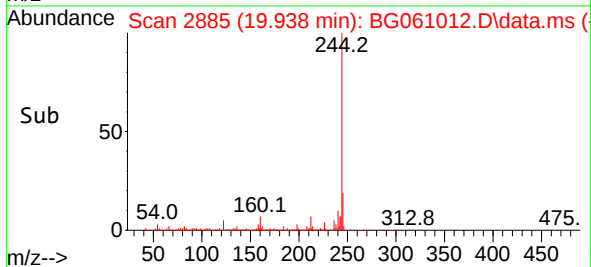
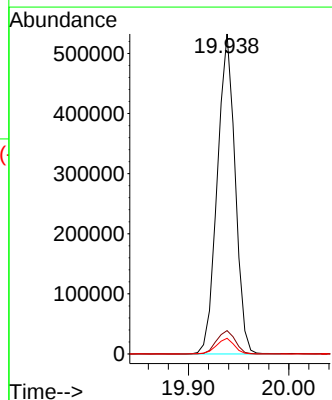
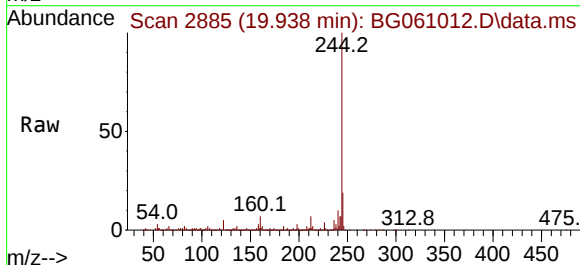
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-04222024

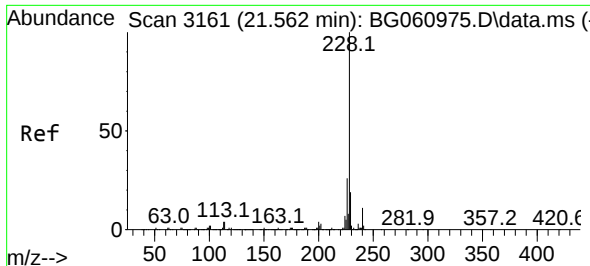
Tgt Ion:	202	Resp:	82420
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.8	25.2
203	18.2	14.2	21.2



#79
 Terphenyl-d14
 Concen: 51.821 ng
 RT: 19.938 min Scan# 2885
 Delta R.T. -0.002 min
 Lab File: BG061012.D
 Acq: 23 Apr 2024 17:57

Tgt Ion:	244	Resp:	656786
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.9	8.9
122	4.9	4.2	6.2

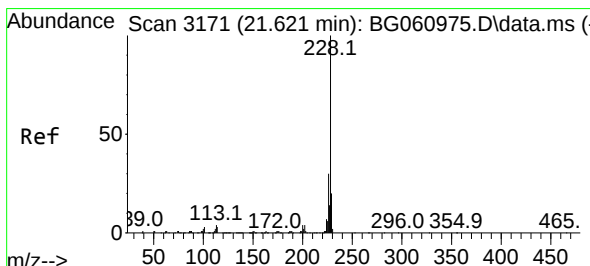
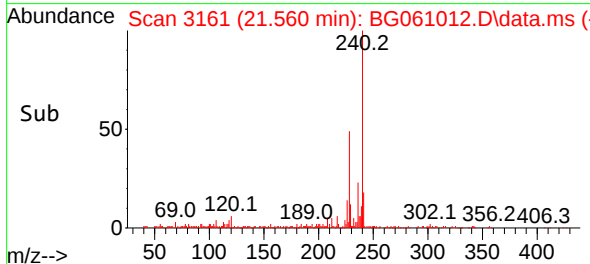
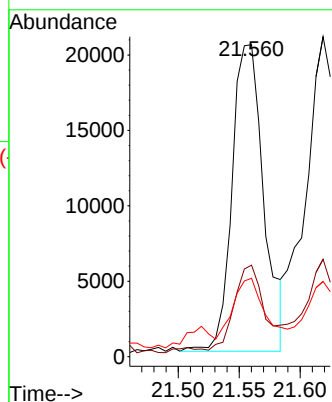
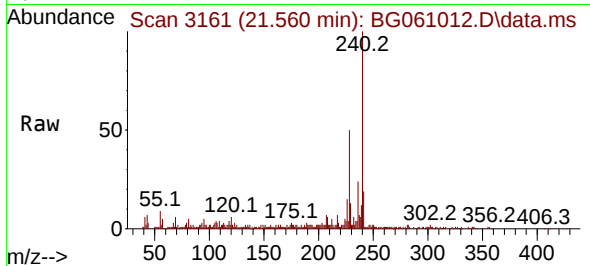




#81
Benzo(a)anthracene
Concen: 2.661 ng
RT: 21.560 min Scan# 3161
Delta R.T. -0.002 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

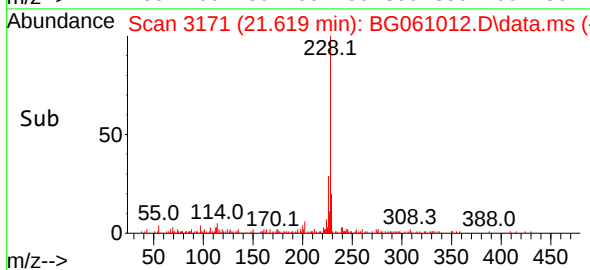
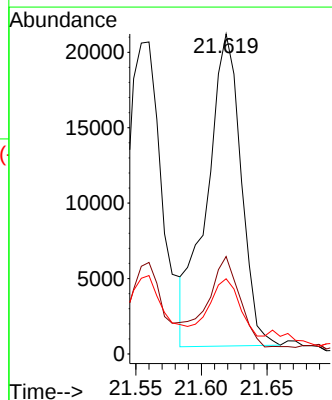
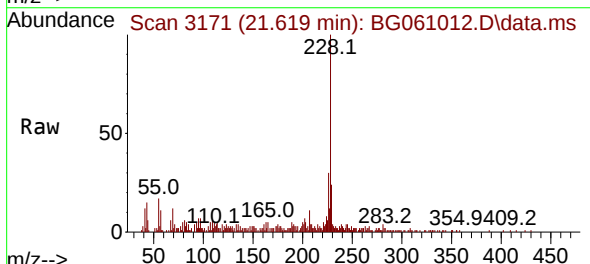
Instrument :
BNA_G
ClientSampleId :
HD-02-04222024

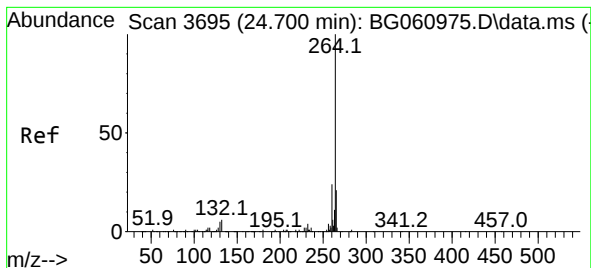
Tgt Ion:228 Resp: 36802
Ion Ratio Lower Upper
228 100
226 29.3 21.0 31.4
229 25.1 15.0 22.4#



#83
Chrysene
Concen: 2.845 ng
RT: 21.619 min Scan# 3171
Delta R.T. -0.002 min
Lab File: BG061012.D
Acq: 23 Apr 2024 17:57

Tgt Ion:228 Resp: 37471
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 23.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.709 min Scan# 3

Delta R.T. 0.010 min

Lab File: BG061012.D

Acq: 23 Apr 2024 17:57

Instrument :

BNA_G

ClientSampleId :

HD-02-04222024

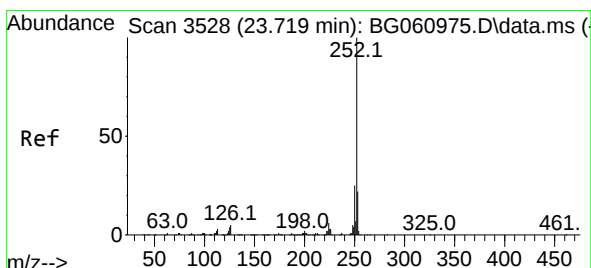
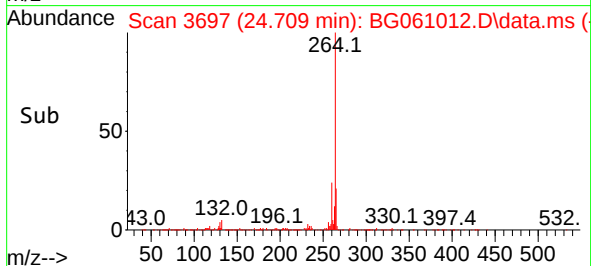
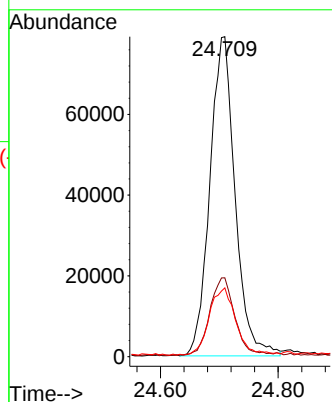
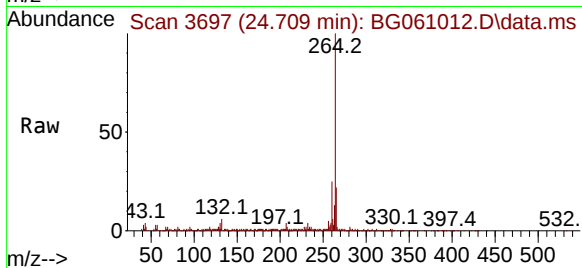
Tgt Ion:264 Resp: 235273

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 21.5 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.732 ng

RT: 23.711 min Scan# 3527

Delta R.T. -0.008 min

Lab File: BG061012.D

Acq: 23 Apr 2024 17:57

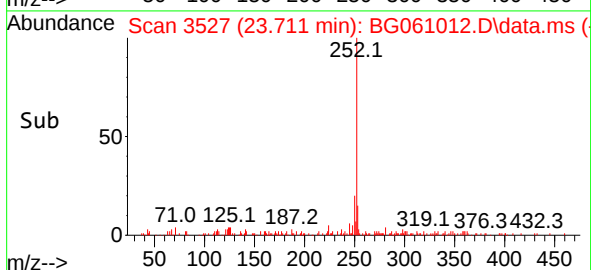
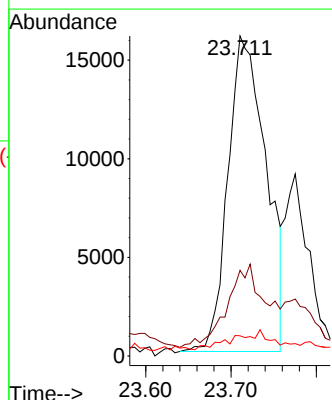
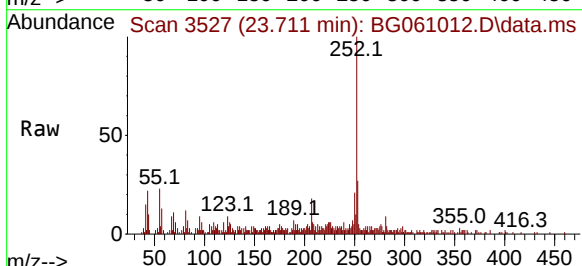
Tgt Ion:252 Resp: 49764

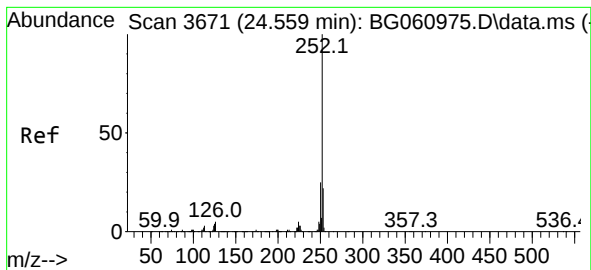
Ion Ratio Lower Upper

252 100

253 26.8 17.5 26.3#

125 6.3 3.3 4.9#





#90

Benzo(a)pyrene

Concen: 2.503 ng

RT: 24.551 min Scan# 30

Delta R.T. -0.008 min

Lab File: BG061012.D

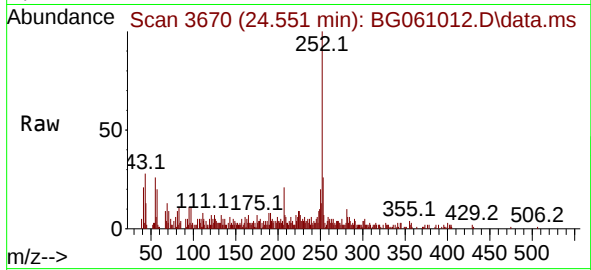
Acq: 23 Apr 2024 17:57

Instrument :

BNA_G

ClientSampleId :

HD-02-04222024



Tgt Ion:252 Resp: 32305

Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

125 7.1 3.6 5.4#

