

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059776.D
 Acq On : 20 Nov 2023 19:48
 Operator : MA/JU
 Sample : 05356-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-205

Quant Time: Nov 21 00:20:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

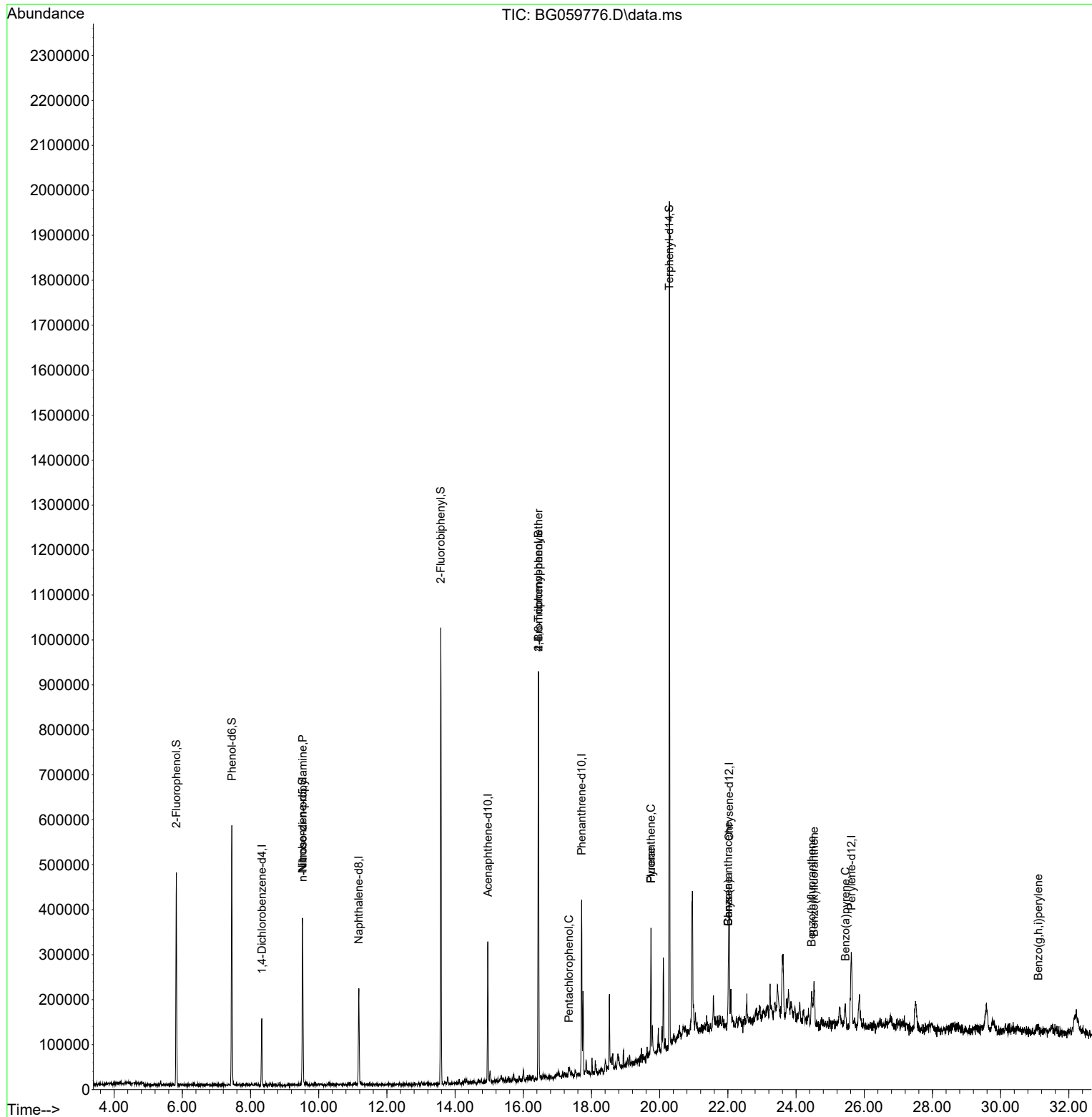
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	30484	20.000	ng	# 0.00
21) Naphthalene-d8	11.178	136	141053	20.000	ng	-0.01
39) Acenaphthene-d10	14.962	164	90573	20.000	ng	# 0.00
64) Phenanthrene-d10	17.712	188	203864	20.000	ng	0.00
76) Chrysene-d12	22.036	240	162218	20.000	ng	#-0.02
86) Perylene-d12	25.626	264	192595	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	153150	84.560	ng	0.00
7) Phenol-d6	7.453	99	244745	91.189	ng	0.00
23) Nitrobenzene-d5	9.527	82	227605	61.627	ng	-0.01
42) 2,4,6-Tribromophenol	16.448	330	113964	110.896	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	420890	62.550	ng	-0.01
79) Terphenyl-d14	20.285	244	706536	64.298	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.533	70	38179	18.064	ng	# 71
67) 4-Bromophenyl-phenylether	16.448	248	8892	4.060	ng	# 1
70) Pentachlorophenol	17.341	266	3912	2.509	ng	# 43
75) Fluoranthene	19.744	202	149890	12.059	ng	99
78) Pyrene	19.744	202	149890	13.580	ng	96
81) Benzo(a)anthracene	22.012	228	61445	5.536	ng	# 89
83) Chrysene	22.012	228	61445	6.039	ng	92
88) Benzo(b)fluoranthene	24.457	252	88444	8.379	ng	# 91
89) Benzo(k)fluoranthene	24.527	252	27705	2.655	ng	92
90) Benzo(a)pyrene	25.450	252	59060	5.242	ng	97
92) Benzo(g,h,i)perylene	31.108	276	38150	3.261	ng	# 91

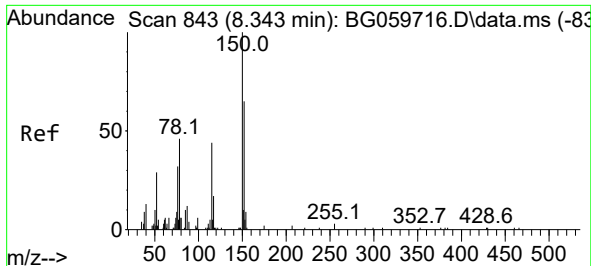
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
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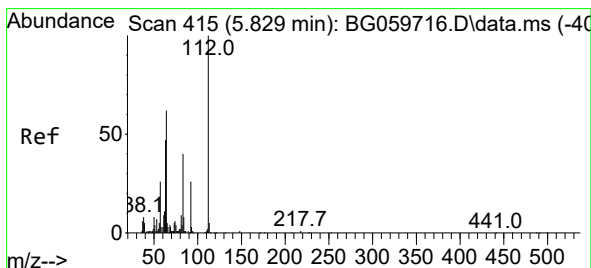
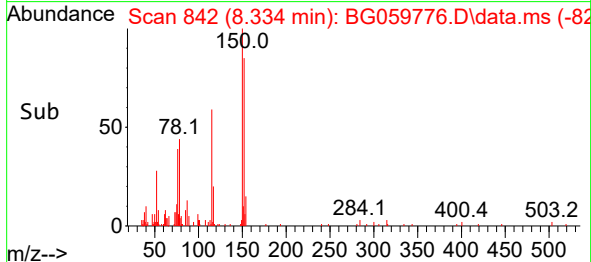
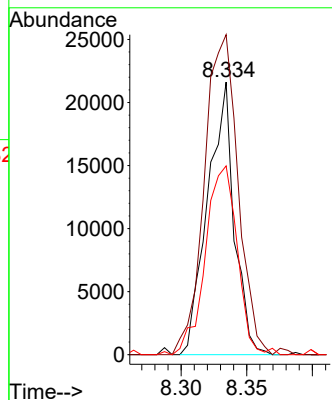
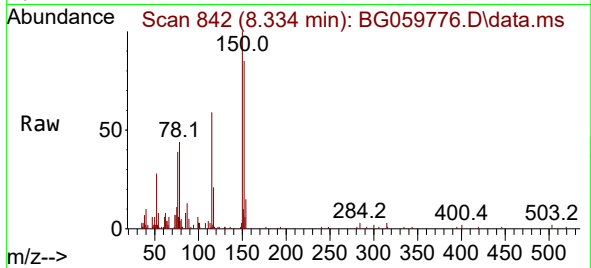




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 84
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

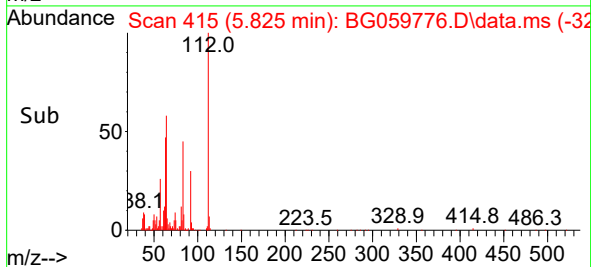
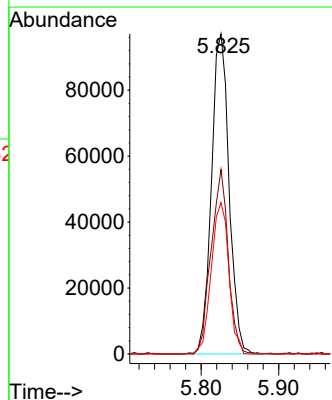
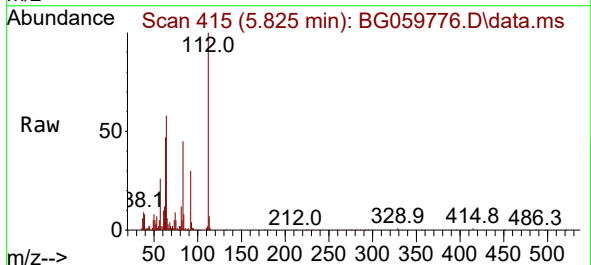
Instrument :
BNA_G
ClientSampleId :
VNJ-205

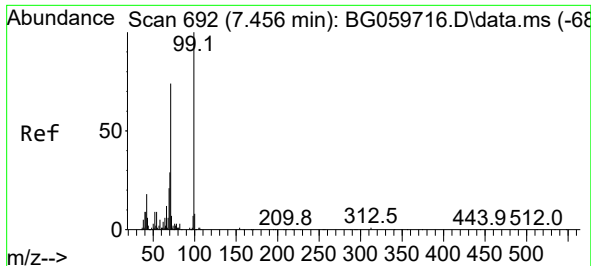
Tgt Ion:152 Resp: 30484
Ion Ratio Lower Upper
152 100
150 117.4 122.2 183.4#
115 69.3 54.2 81.4



#5
2-Fluorophenol
Concen: 84.560 ng
RT: 5.825 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:112 Resp: 153150
Ion Ratio Lower Upper
112 100
64 57.6 49.5 74.3
63 47.2 37.4 56.2

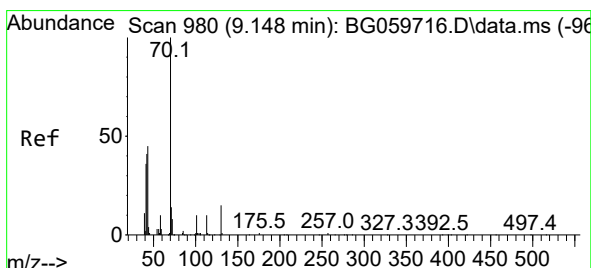
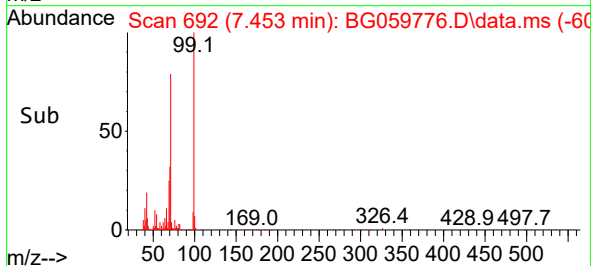
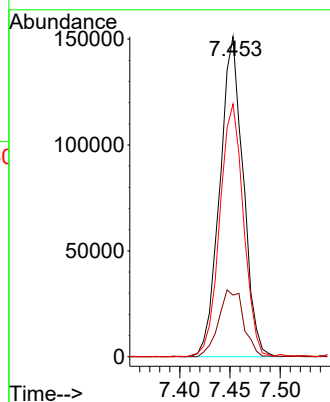
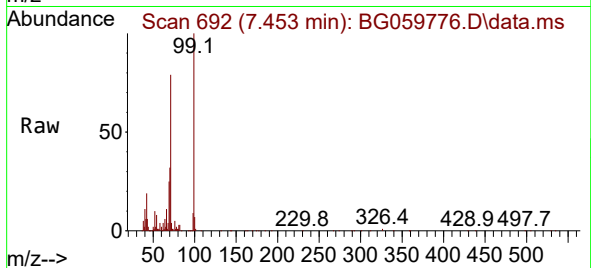




#7
Phenol-d6
Concen: 91.189 ng
RT: 7.453 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

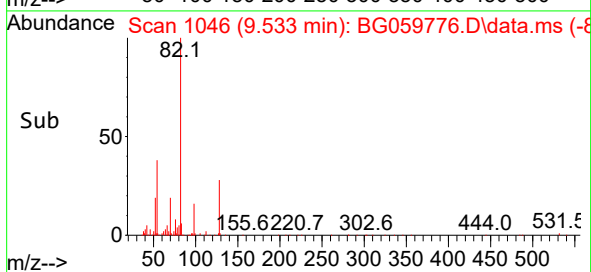
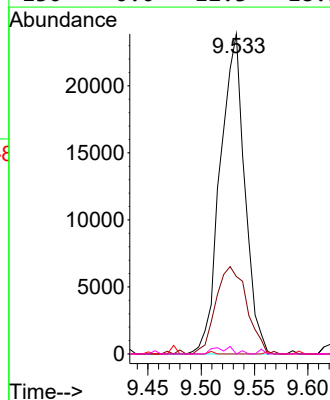
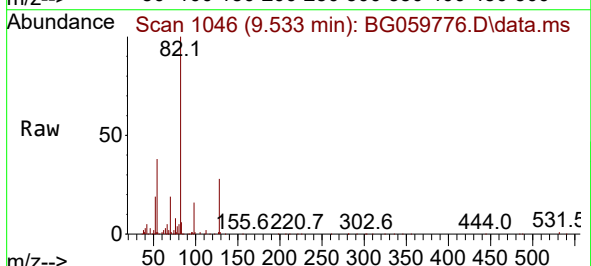
Instrument :
BNA_G
ClientSampleId :
VNJ-205

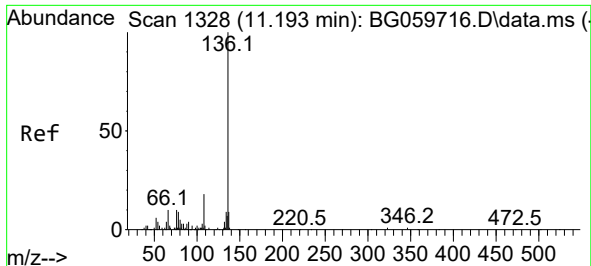
Tgt Ion: 99 Resp: 244745
Ion Ratio Lower Upper
99 100
42 19.2 14.3 21.5
71 79.0 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 18.064 ng
RT: 9.533 min Scan# 1046
Delta R.T. 0.385 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion: 70 Resp: 38179
Ion Ratio Lower Upper
70 100
42 24.2 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

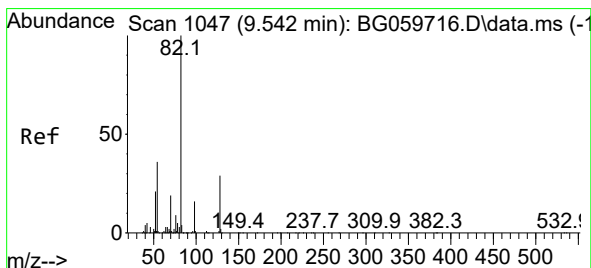
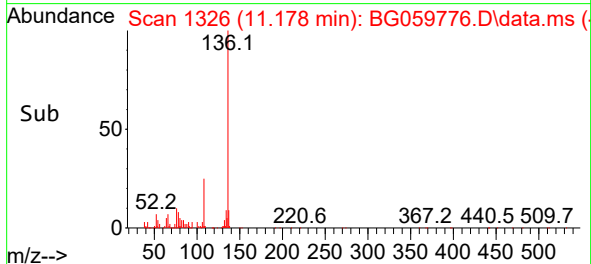
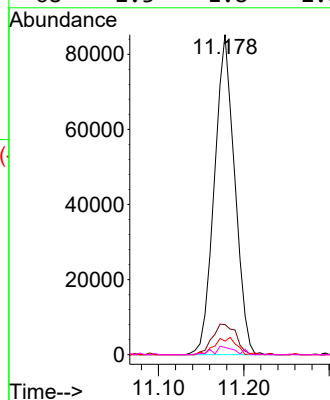
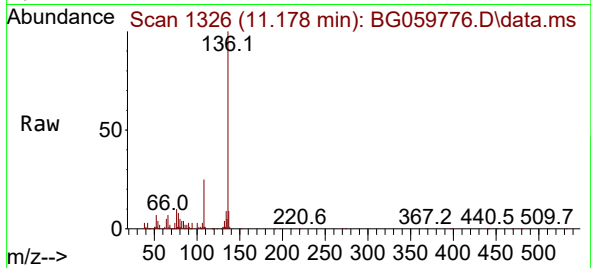




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

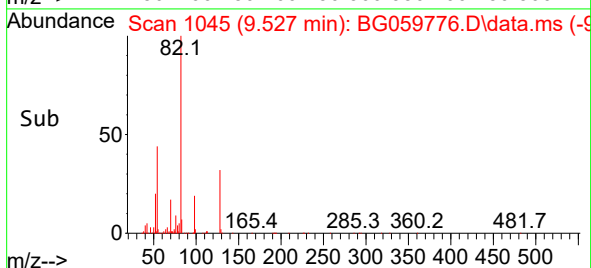
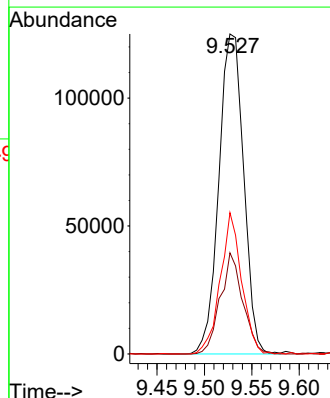
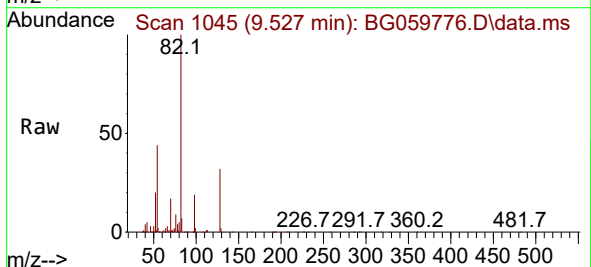
Instrument :
BNA_G
ClientSampleId :
VNJ-205

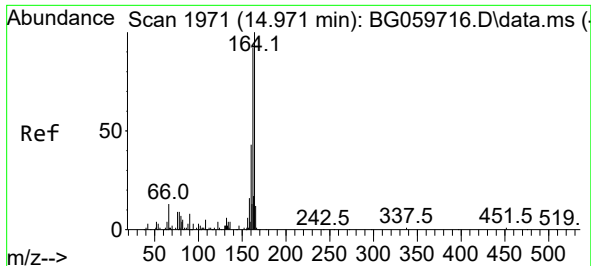
Tgt Ion:	136	Resp:	141053
Ion Ratio	Lower	Upper	
136	100		
137	9.4	7.4	11.0
54	4.3	3.1	4.7
68	2.3	1.8	2.8



#23
Nitrobenzene-d5
Concen: 61.627 ng
RT: 9.527 min Scan# 1045
Delta R.T. -0.015 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:	82	Resp:	227605
Ion Ratio	Lower	Upper	
82	100		
128	31.6	23.0	34.6
54	44.1	28.7	43.1

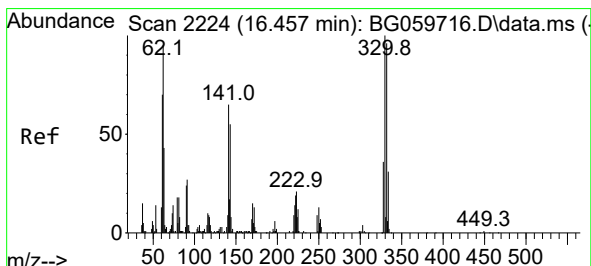
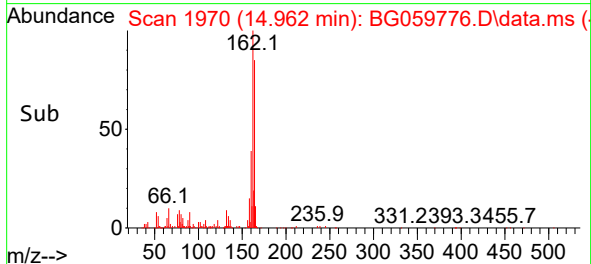
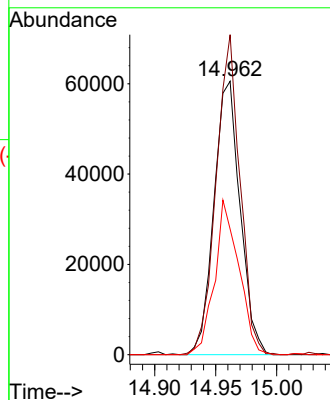
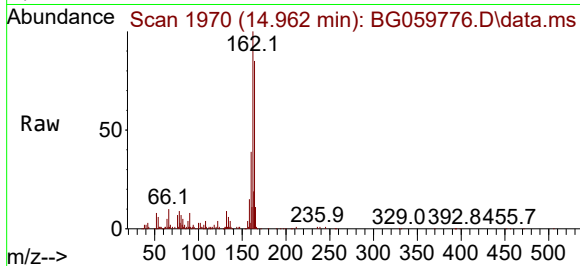




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

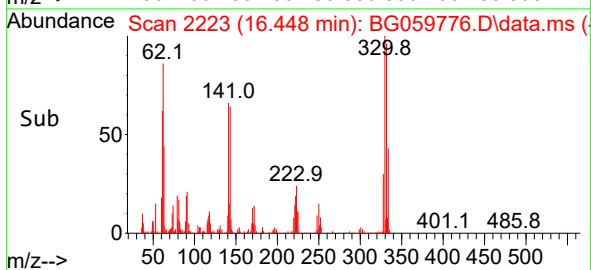
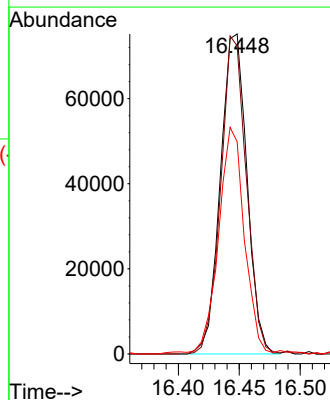
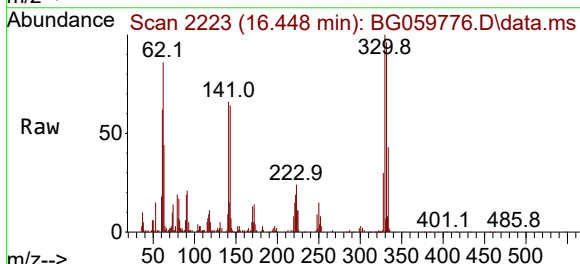
Instrument :
BNA_G
ClientSampleId :
VNJ-205

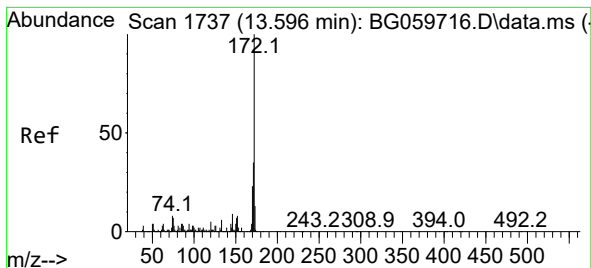
Tgt Ion:164 Resp: 90573
Ion Ratio Lower Upper
164 100
162 117.0 73.3 109.9#
160 45.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 110.896 ng
RT: 16.448 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:330 Resp: 113964
Ion Ratio Lower Upper
330 100
332 95.8 73.3 109.9
141 69.0 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 62.550 ng

RT: 13.581 min Scan# 1

Delta R.T. -0.015 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNA_G

ClientSampleId :

VNJ-205

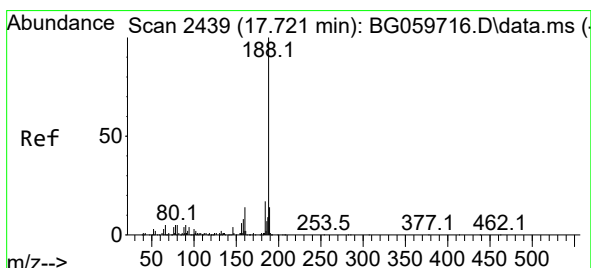
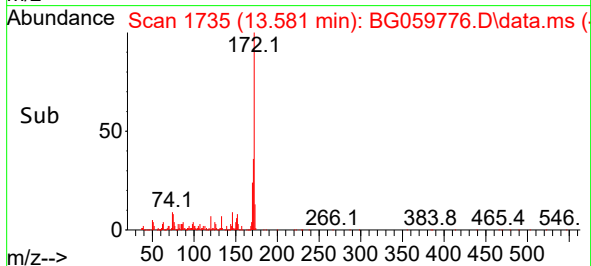
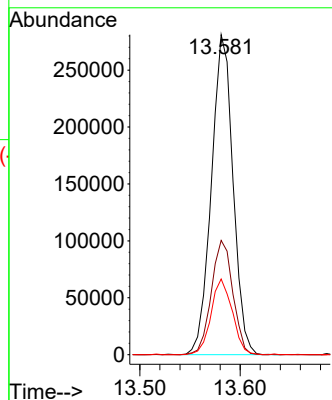
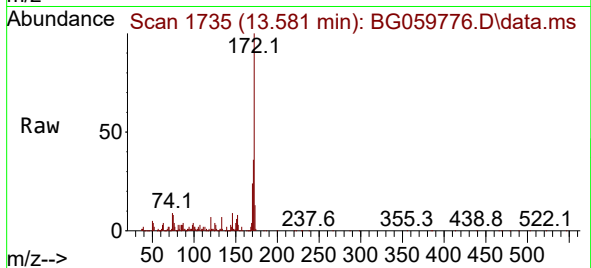
Tgt Ion:172 Resp: 420890

Ion Ratio Lower Upper

172 100

171 35.7 27.7 41.5

170 23.7 18.4 27.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

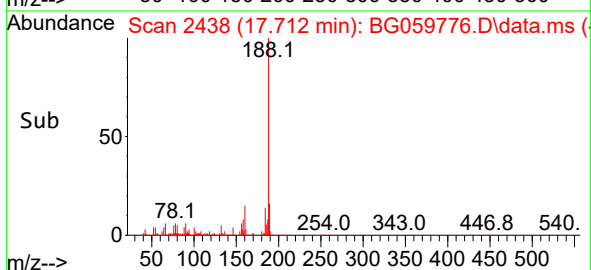
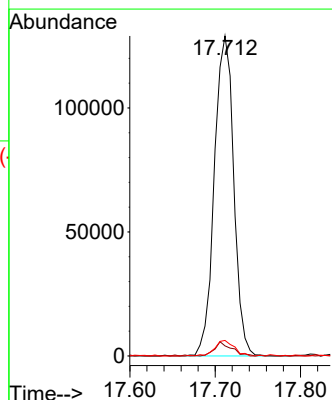
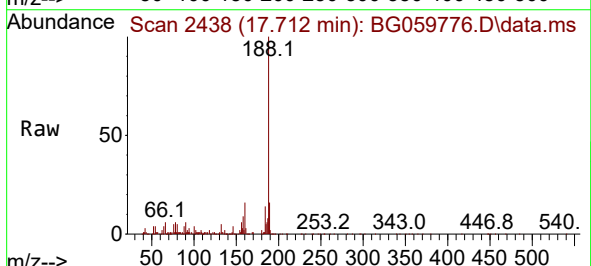
Tgt Ion:188 Resp: 203864

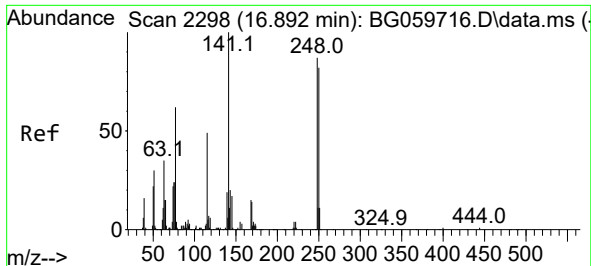
Ion Ratio Lower Upper

188 100

94 3.2 3.0 4.4

80 4.8 4.2 6.4

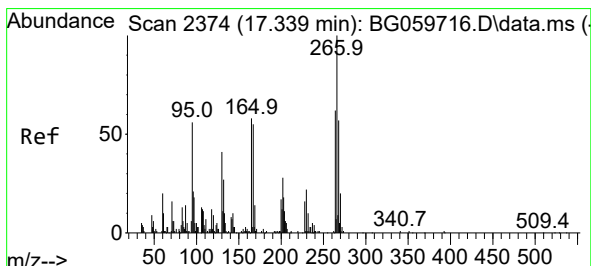
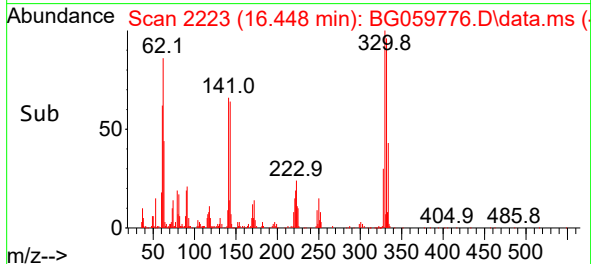
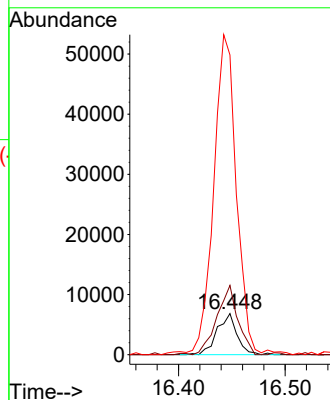
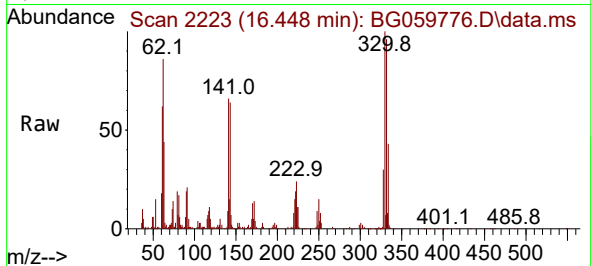




#67
4-Bromophenyl-phenylether
Concen: 4.060 ng
RT: 16.448 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

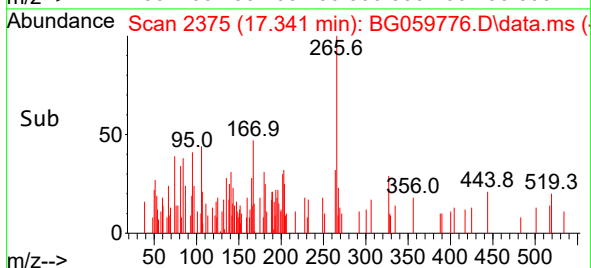
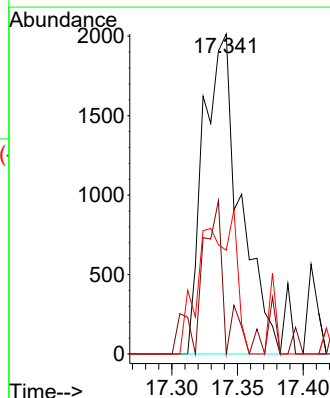
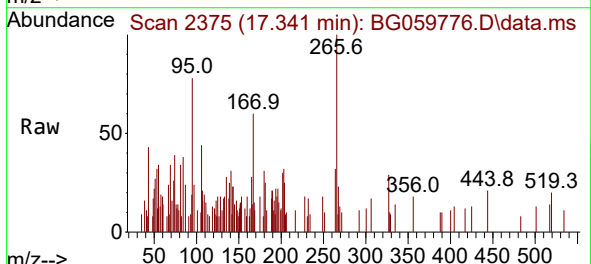
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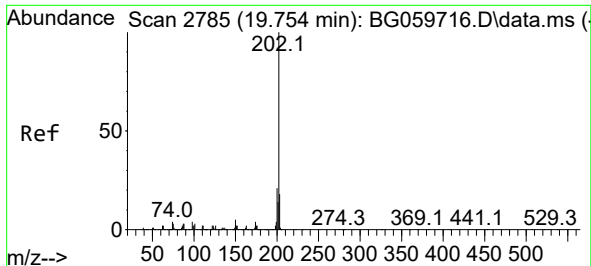
Tgt Ion:248 Resp: 8892
Ion Ratio Lower Upper
248 100
250 168.3 75.2 112.8#
141 728.6 91.5 137.3#



#70
Pentachlorophenol
Concen: 2.509 ng
RT: 17.341 min Scan# 2375
Delta R.T. 0.003 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:266 Resp: 3912
Ion Ratio Lower Upper
266 100
268 0.0 45.7 68.5#
264 32.4 49.8 74.8#

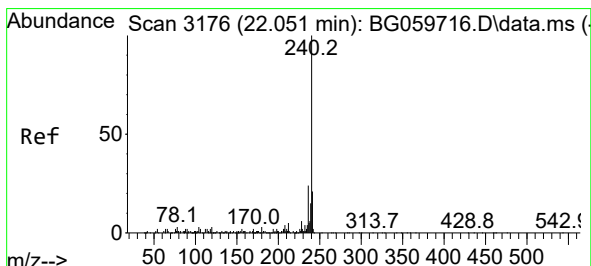
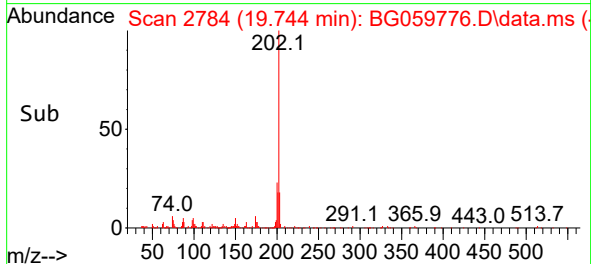
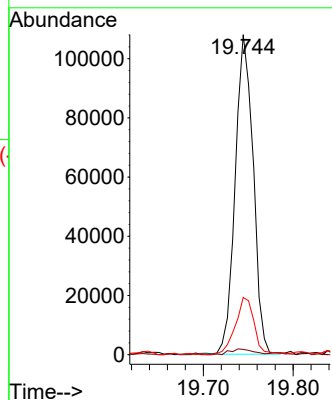
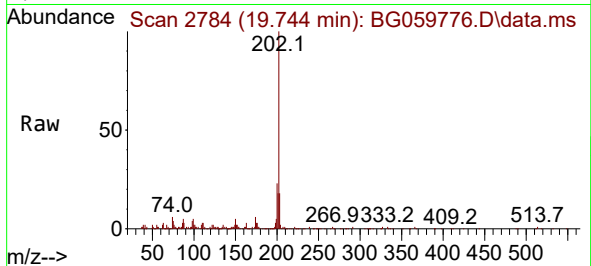




#75
Fluoranthene
Concen: 12.059 ng
RT: 19.744 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

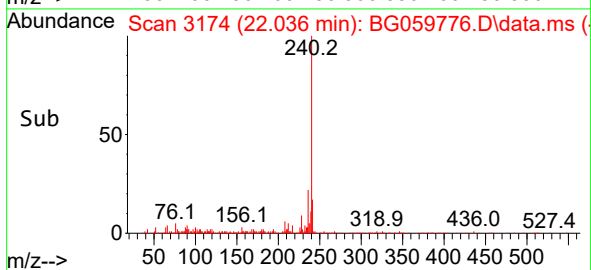
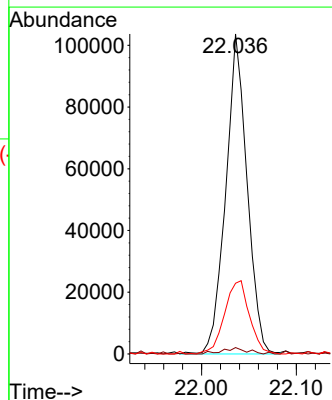
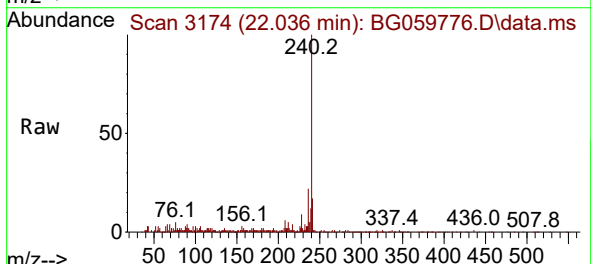
Instrument :
BNA_G
ClientSampleId :
VNJ-205

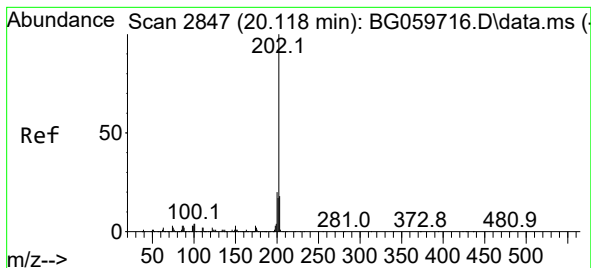
Tgt Ion:202 Resp: 149890
Ion Ratio Lower Upper
202 100
101 1.6 0.0 22.7
203 17.9 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.036 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:240 Resp: 162218
Ion Ratio Lower Upper
240 100
120 2.0 2.2 3.2#
236 22.1 19.4 29.2





#78

Pyrene

Concen: 13.580 ng

RT: 19.744 min Scan# 21

Delta R.T. -0.373 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNA_G

ClientSampleId :

VNJ-205

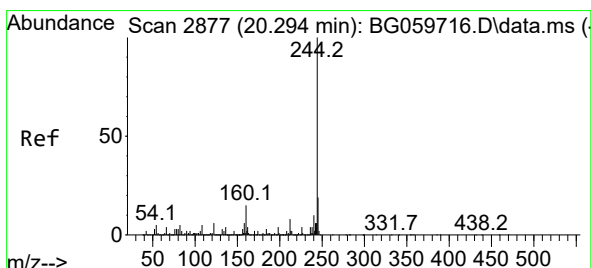
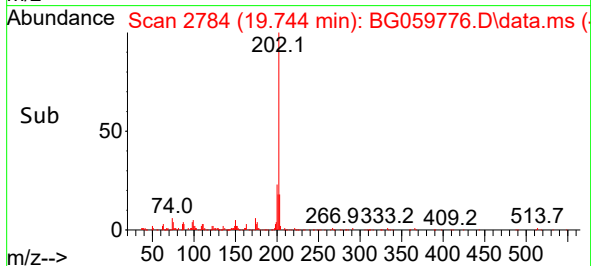
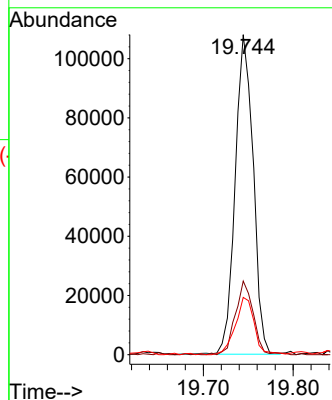
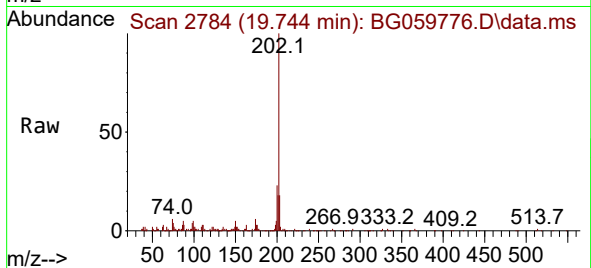
Tgt Ion:202 Resp: 149890

Ion Ratio Lower Upper

202 100

200 23.0 16.2 24.4

203 17.9 14.0 21.0



#79

Terphenyl-d14

Concen: 64.298 ng

RT: 20.285 min Scan# 2876

Delta R.T. -0.009 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

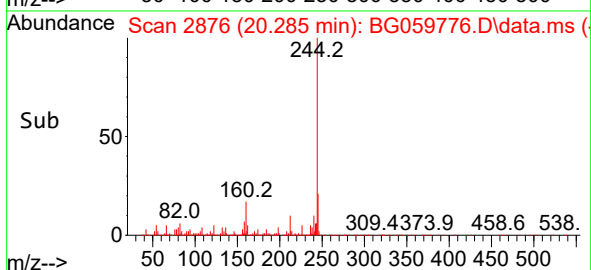
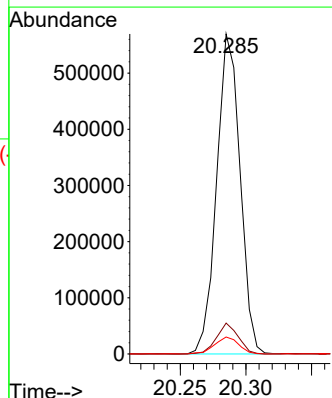
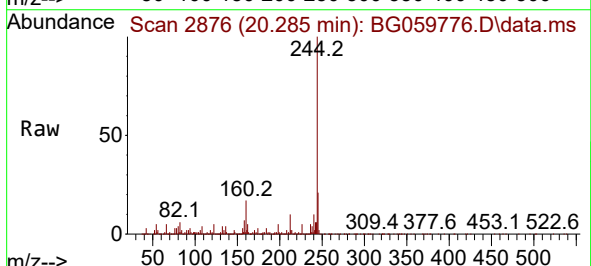
Tgt Ion:244 Resp: 706536

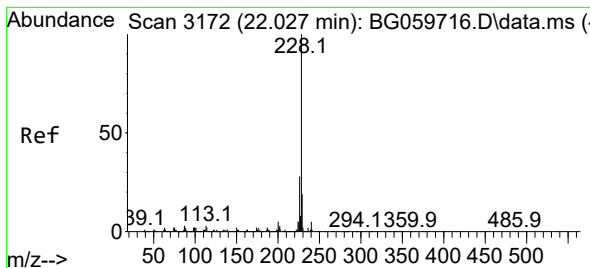
Ion Ratio Lower Upper

244 100

212 9.7 6.6 10.0

122 5.3 4.4 6.6





#81

Benzo(a)anthracene

Concen: 5.536 ng

RT: 22.012 min Scan# 3170

Delta R.T. -0.015 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNA_G

ClientSampleId :

VNJ-205

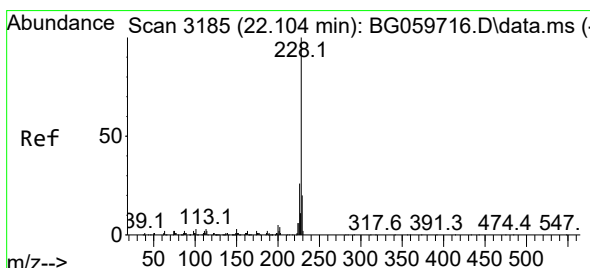
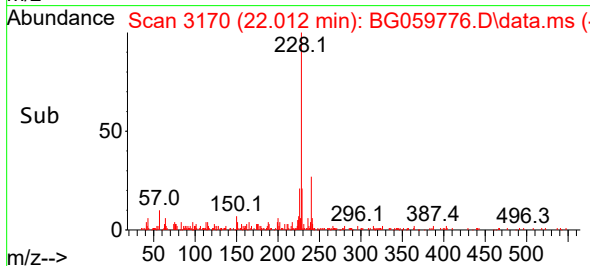
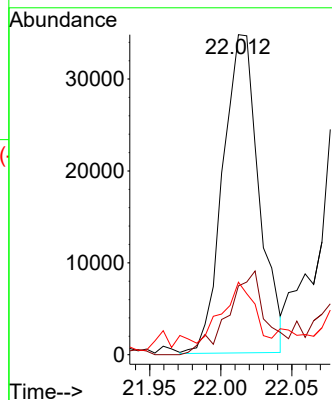
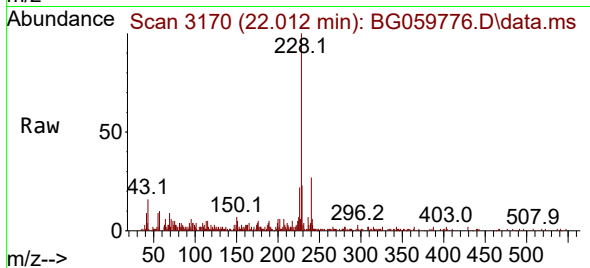
Tgt Ion:228 Resp: 61445

Ion Ratio Lower Upper

228 100

226 21.5 22.1 33.1#

229 22.6 14.9 22.3#



#83

Chrysene

Concen: 6.039 ng

RT: 22.012 min Scan# 3170

Delta R.T. -0.091 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

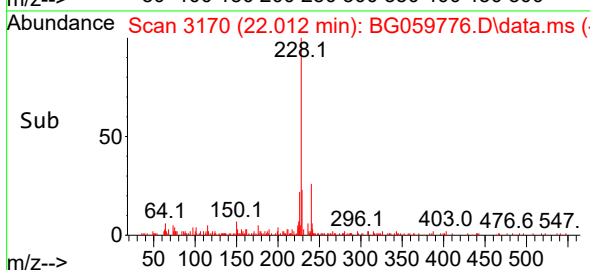
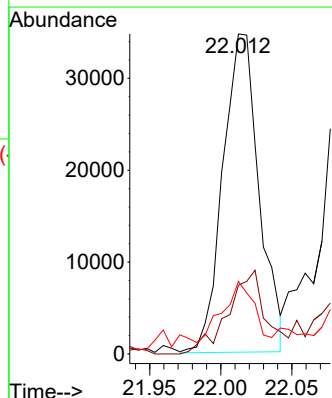
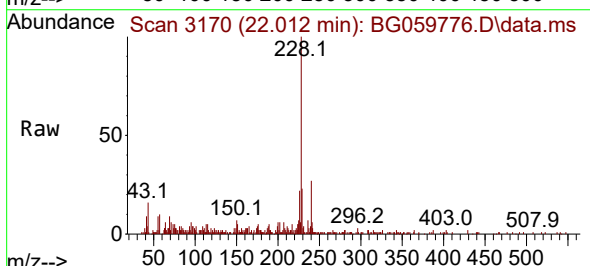
Tgt Ion:228 Resp: 61445

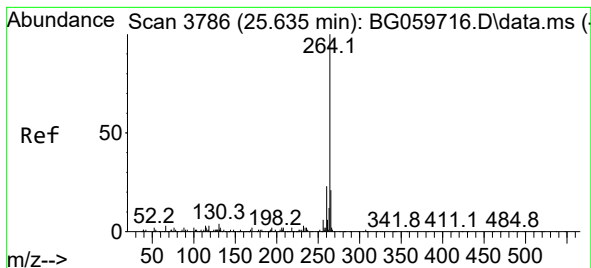
Ion Ratio Lower Upper

228 100

226 21.5 21.1 31.7

229 22.6 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.626 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNA_G

ClientSampleId :

VNJ-205

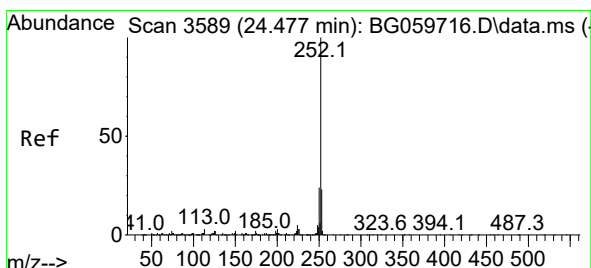
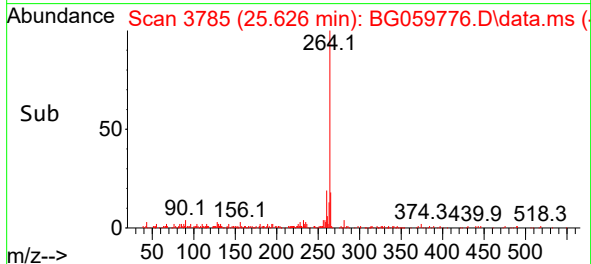
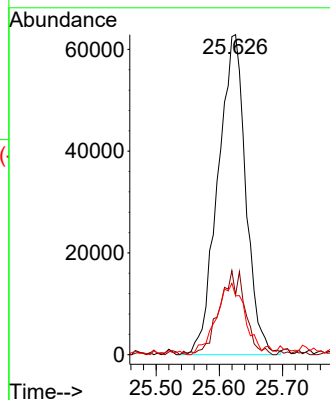
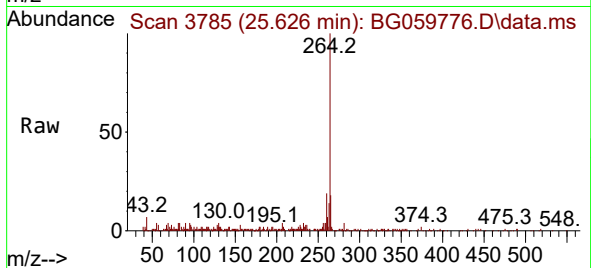
Tgt Ion:264 Resp: 192595

Ion Ratio Lower Upper

264 100

260 18.7 18.5 27.7

265 18.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 8.379 ng

RT: 24.457 min Scan# 3586

Delta R.T. -0.021 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

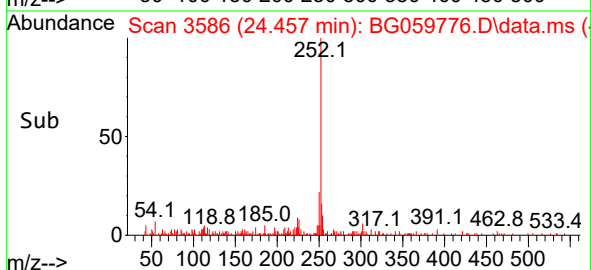
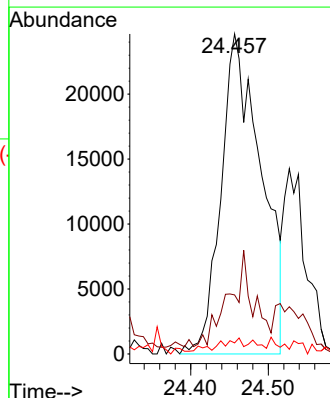
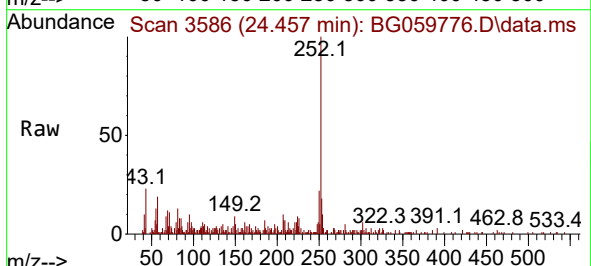
Tgt Ion:252 Resp: 88444

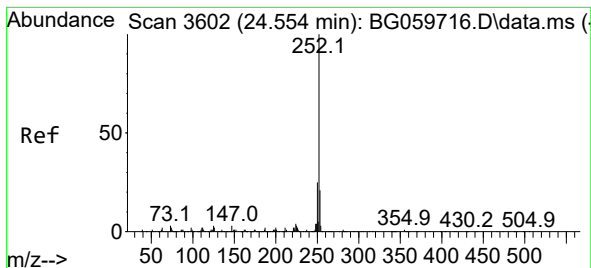
Ion Ratio Lower Upper

252 100

253 18.5 18.3 27.5

125 3.5 1.4 2.0#





#89

Benzo(k)fluoranthene

Concen: 2.655 ng

RT: 24.527 min Scan# 31

Delta R.T. -0.027 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNA_G

ClientSampleId :

VNJ-205

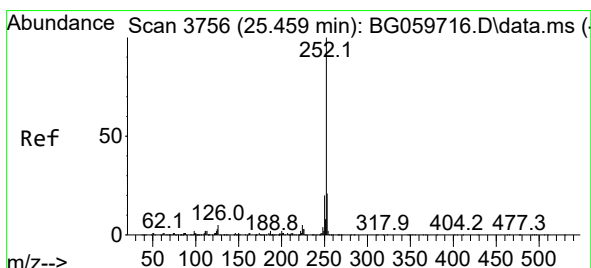
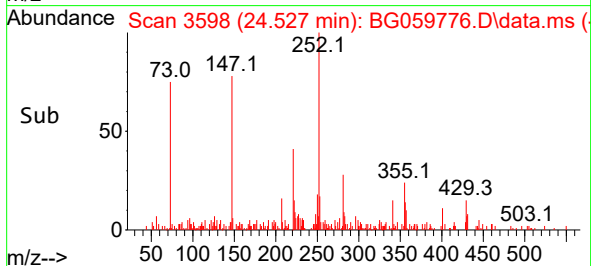
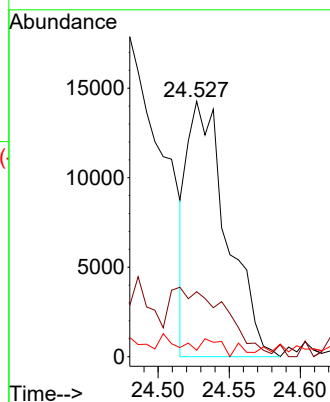
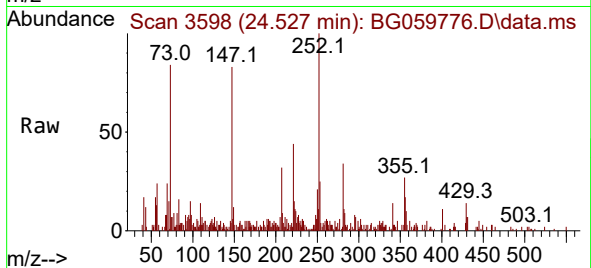
Tgt Ion:252 Resp: 27705

Ion Ratio Lower Upper

252 100

253 25.5 17.1 25.7

125 2.5 2.2 3.2



#90

Benzo(a)pyrene

Concen: 5.242 ng

RT: 25.450 min Scan# 3755

Delta R.T. -0.009 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

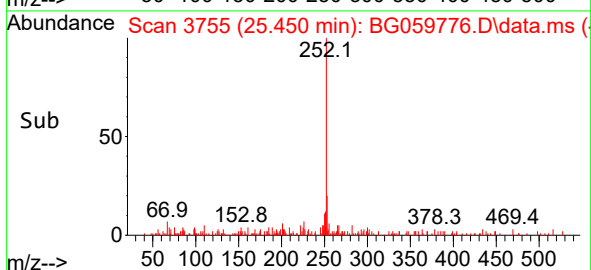
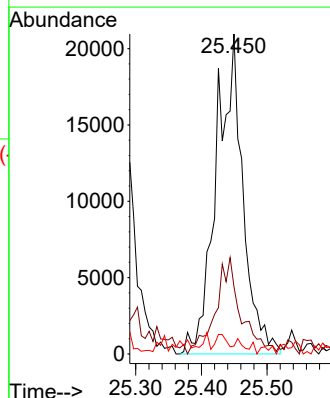
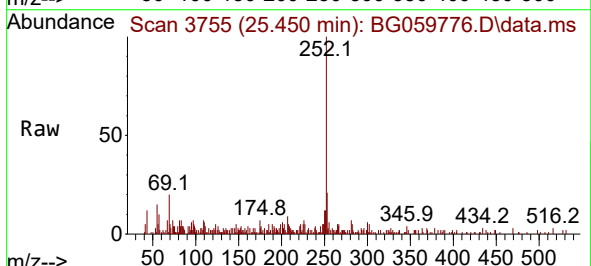
Tgt Ion:252 Resp: 59060

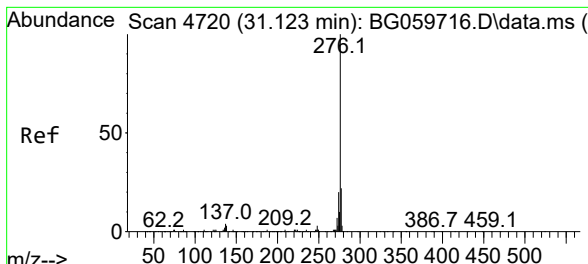
Ion Ratio Lower Upper

252 100

253 22.6 16.8 25.2

125 2.4 2.0 3.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.261 ng
 RT: 31.108 min Scan# 41
 Delta R.T. -0.015 min
 Lab File: BG059776.D
 Acq: 20 Nov 2023 19:48

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-205

Tgt Ion: 276 Resp: 38150

Ion	Ratio	Lower	Upper
276	100		
277	16.8	17.3	25.9#
138	4.7	2.6	4.0#

