

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059789.D
 Acq On : 21 Nov 2023 12:49
 Operator : MA/JU
 Sample : 05351-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241DL

Quant Time: Nov 22 09:51:01 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)

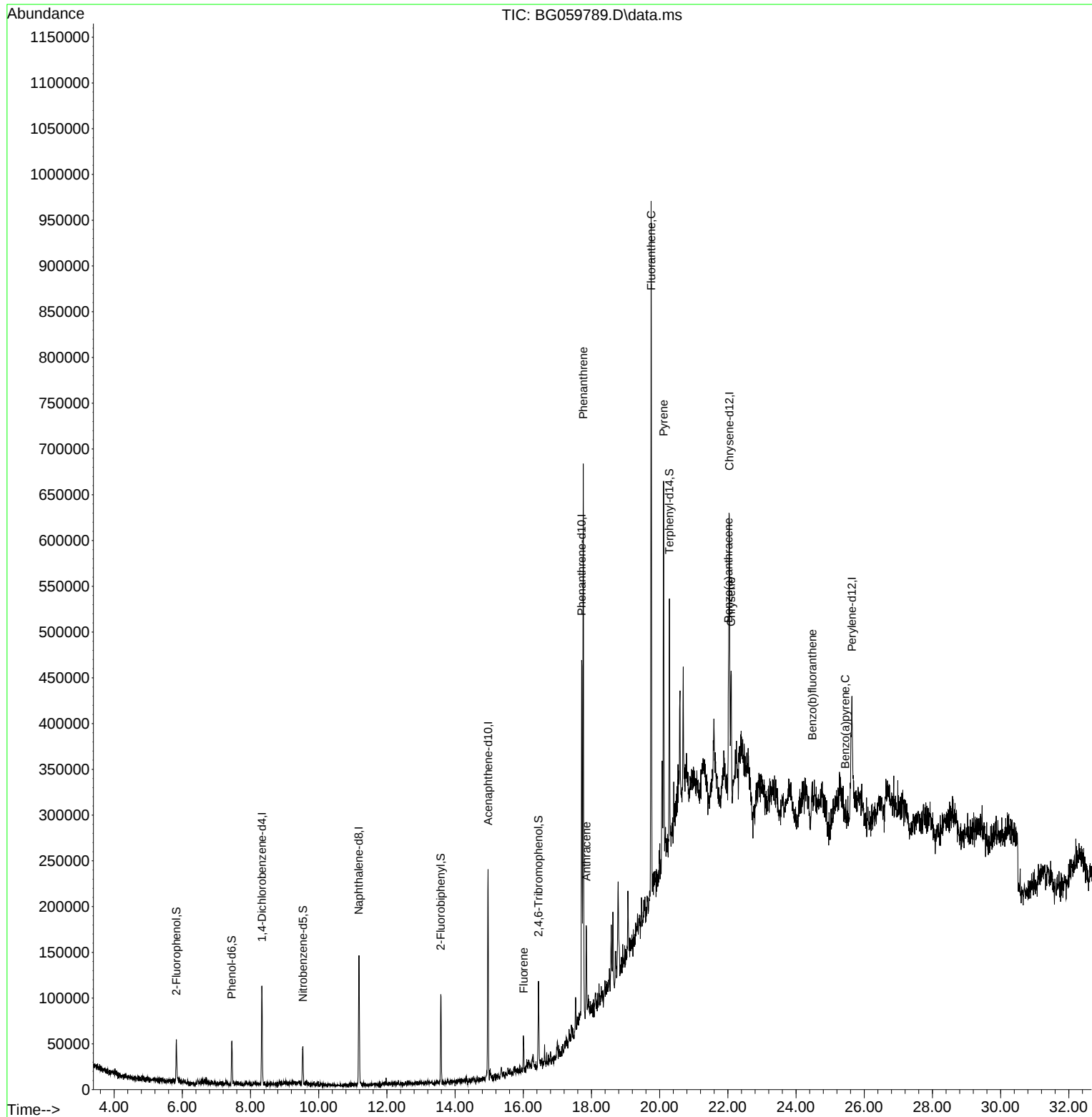
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	21682	20.000	ng	0.00
21) Naphthalene-d8	11.178	136	99568	20.000	ng	#-0.01
39) Acenaphthene-d10	14.968	164	74961	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	209472	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	162749	20.000	ng	# 0.00
86) Perylene-d12	25.638	264	167865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	16293	12.648	ng	0.00
7) Phenol-d6	7.448	99	20681	10.834	ng	0.00
23) Nitrobenzene-d5	9.539	82	24887	9.546	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	11616	13.657	ng	0.00
45) 2-Fluorobiphenyl	13.582	172	40230	7.224	ng	-0.01
79) Terphenyl-d14	20.285	244	92166	8.360	ng	0.00
Target Compounds						
						Qvalue
58) Fluorene	16.008	166	15811	2.784	ng	# 81
71) Phenanthrene	17.759	178	326701	30.676	ng	97
72) Anthracene	17.847	178	49220	4.448	ng	98
75) Fluoranthene	19.751	202	403960	31.629	ng	96
78) Pyrene	20.115	202	253598	22.902	ng	99
81) Benzo(a)anthracene	22.019	228	83758	7.522	ng	# 91
83) Chrysene	22.095	228	110979	10.872	ng	# 88
88) Benzo(b)fluoranthene	24.475	252	76097	8.271	ng	# 70
90) Benzo(a)pyrene	25.444	252	23133	2.356	ng	# 83

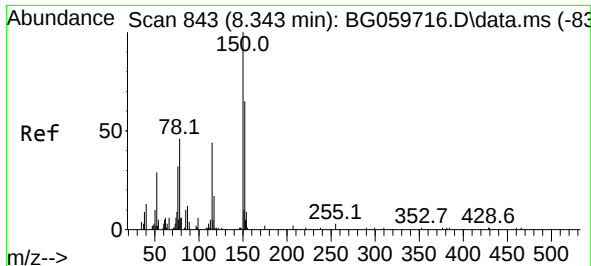
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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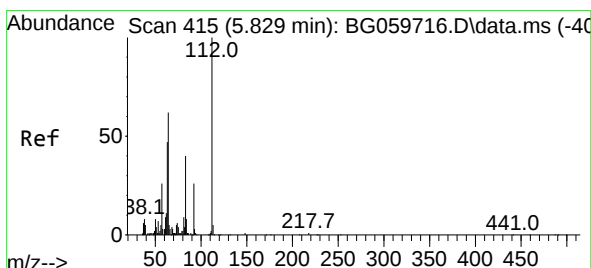
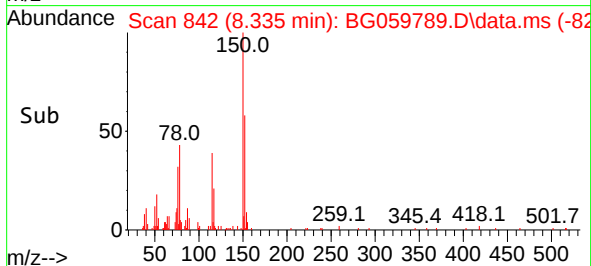
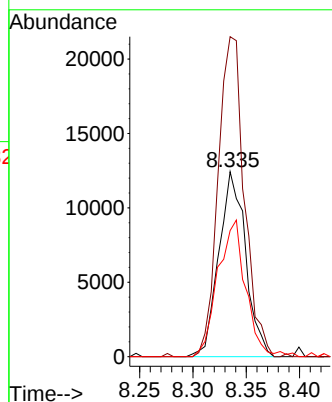
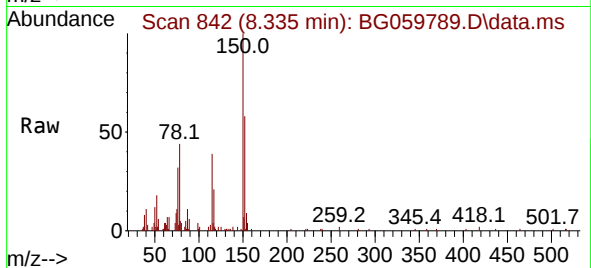




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 843
Delta R.T. -0.008 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

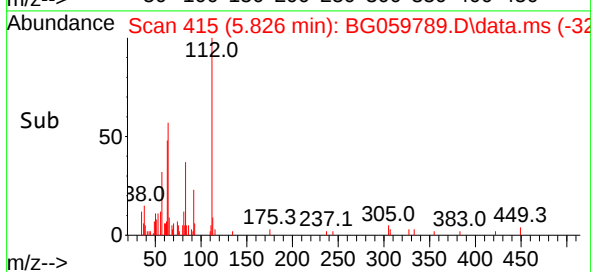
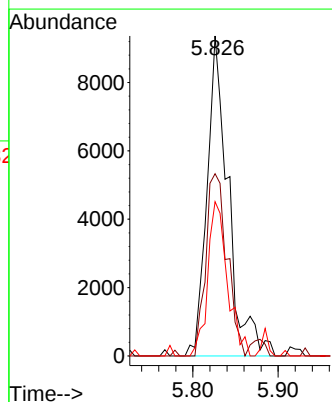
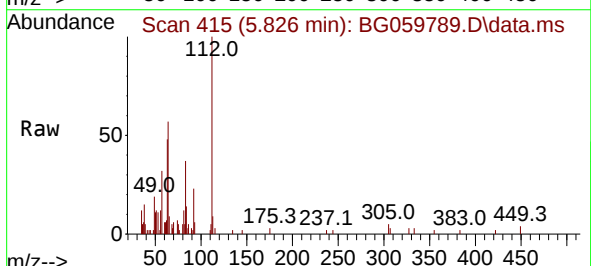
Instrument :
BNA_G
ClientSampleId :
VNJ-241DL

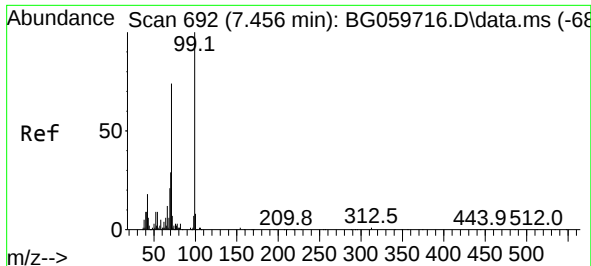
Tgt Ion:152 Resp: 21682
Ion Ratio Lower Upper
152 100
150 173.0 122.2 183.4
115 68.1 54.2 81.4



#5
2-Fluorophenol
Concen: 12.648 ng
RT: 5.826 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

Tgt Ion:112 Resp: 16293
Ion Ratio Lower Upper
112 100
64 57.0 49.5 74.3
63 48.2 37.4 56.2

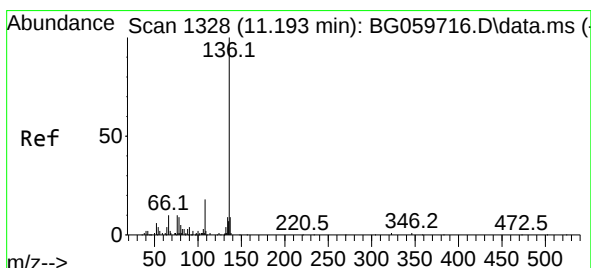
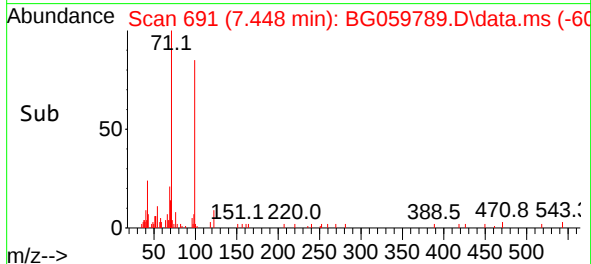
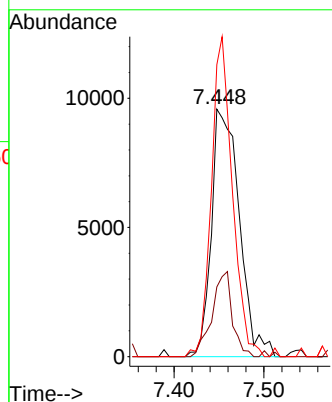
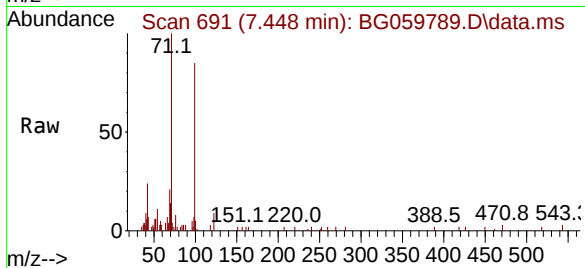




#7
Phenol-d6
Concen: 10.834 ng
RT: 7.448 min Scan# 691
Delta R.T. -0.009 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

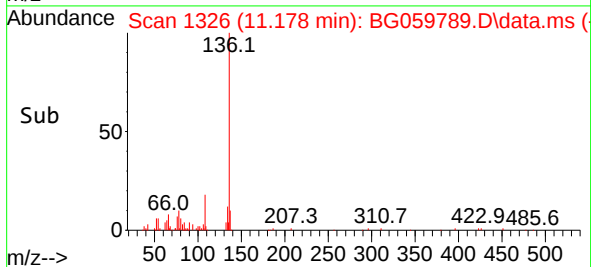
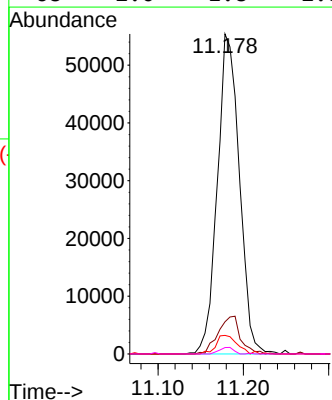
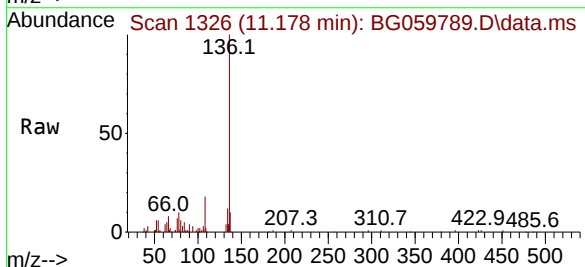
Instrument :
BNA_G
ClientSampleId :
VNJ-241DL

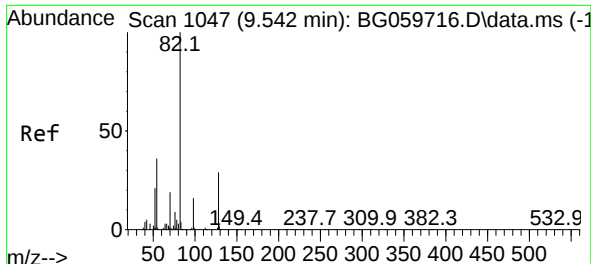
Tgt Ion: 99 Resp: 20681
Ion Ratio Lower Upper
99 100
42 28.2 14.3 21.5#
71 118.0 59.3 88.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 1326
Delta R.T. -0.014 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

Tgt Ion: 136 Resp: 99568
Ion Ratio Lower Upper
136 100
137 10.1 7.4 11.0
54 5.8 3.1 4.7#
68 2.0 1.8 2.8





#23

Nitrobenzene-d5

Concen: 9.546 ng

RT: 9.539 min Scan# 1047

Delta R.T. -0.003 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

Instrument :

BNA_G

ClientSampleId :

VNJ-241DL

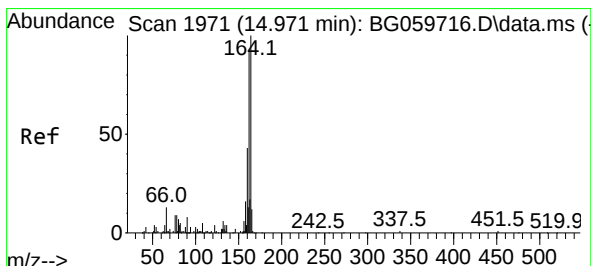
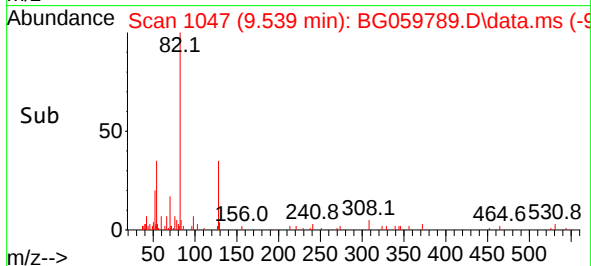
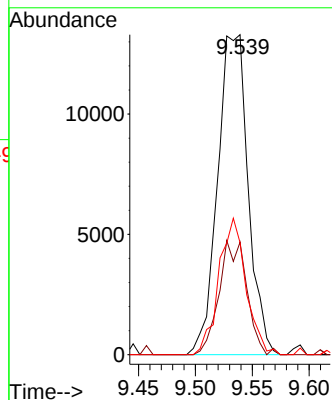
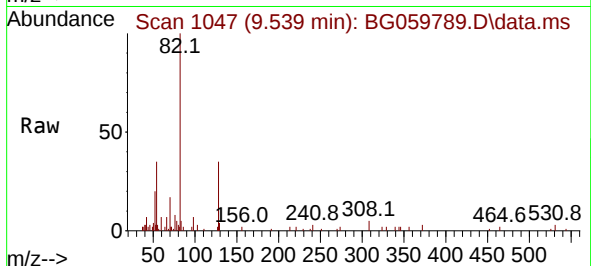
Tgt Ion: 82 Resp: 24887

Ion Ratio Lower Upper

82 100

128 35.2 23.0 34.6#

54 35.0 28.7 43.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.968 min Scan# 1971

Delta R.T. -0.003 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

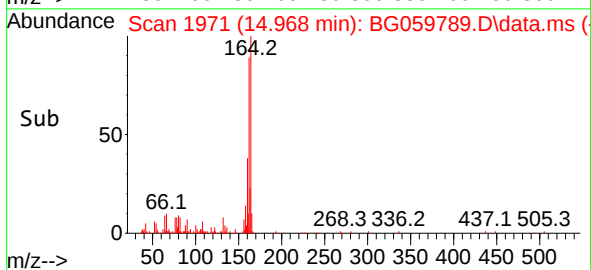
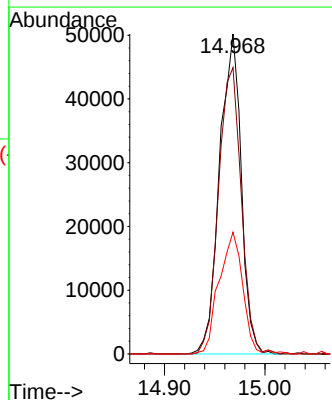
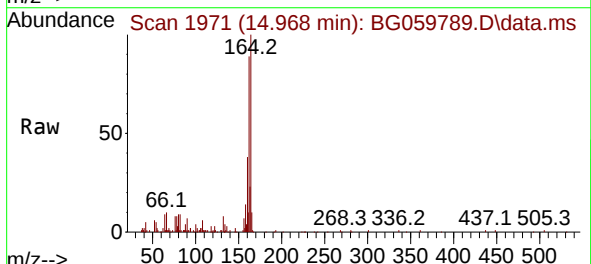
Tgt Ion:164 Resp: 74961

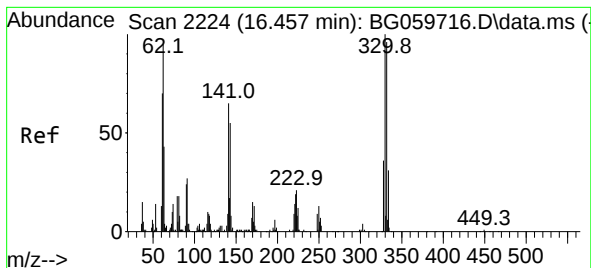
Ion Ratio Lower Upper

164 100

162 89.5 73.3 109.9

160 38.1 34.1 51.1

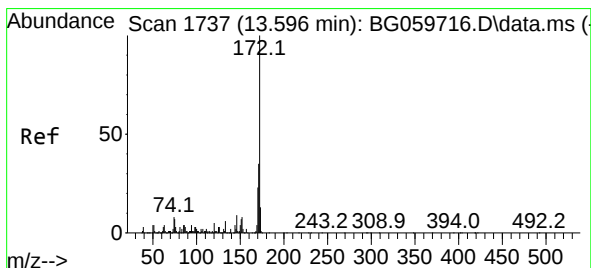
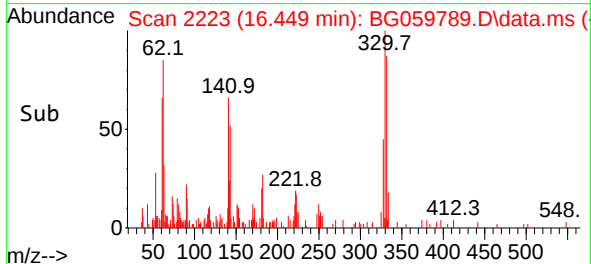
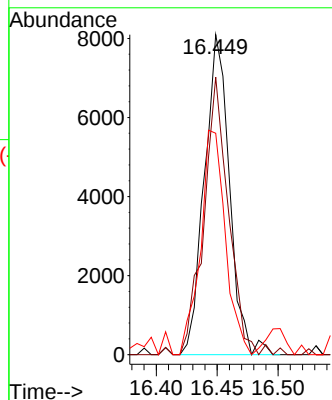
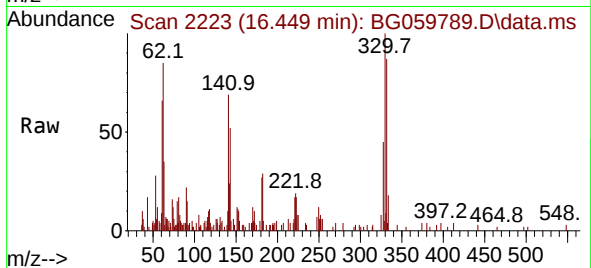




#42
2,4,6-Tribromophenol
Concen: 13.657 ng
RT: 16.449 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

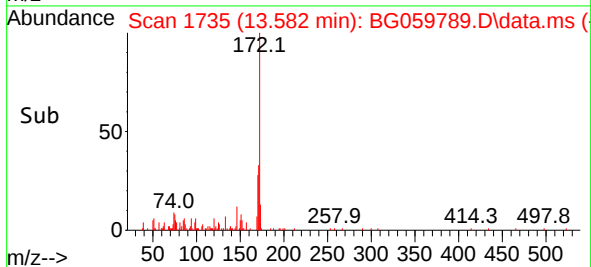
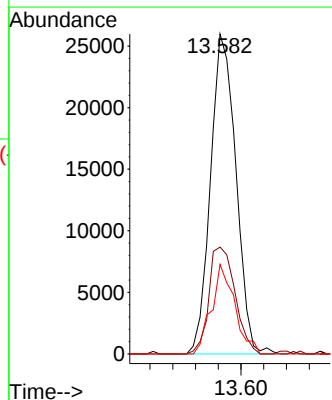
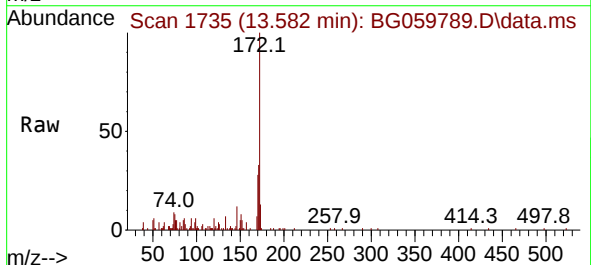
Instrument :
BNA_G
ClientSampleId :
VNJ-241DL

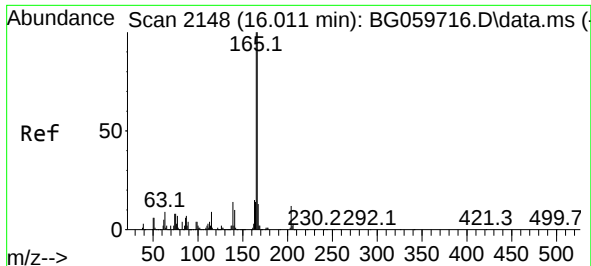
Tgt Ion:330 Resp: 11616
Ion Ratio Lower Upper
330 100
332 86.1 73.3 109.9
141 69.6 52.1 78.1



#45
2-Fluorobiphenyl
Concen: 7.224 ng
RT: 13.582 min Scan# 1735
Delta R.T. -0.014 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

Tgt Ion:172 Resp: 40230
Ion Ratio Lower Upper
172 100
171 33.4 27.7 41.5
170 28.0 18.4 27.6#

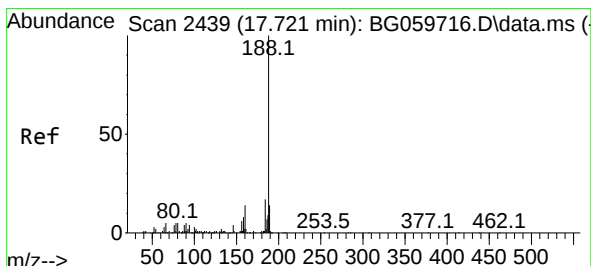
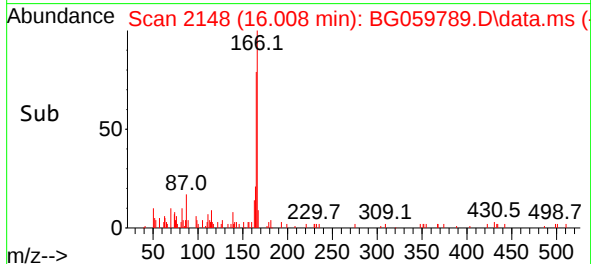
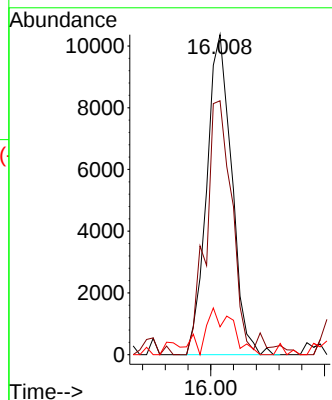
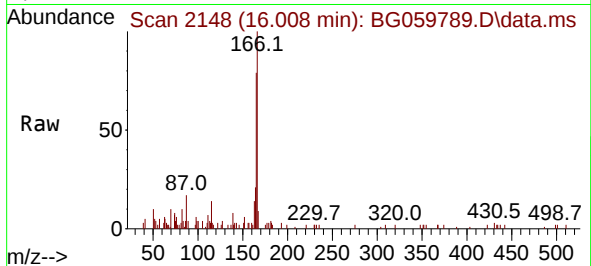




#58
 Fluorene
 Concen: 2.784 ng
 RT: 16.008 min Scan# 2148
 Delta R.T. -0.003 min
 Lab File: BG059789.D
 Acq: 21 Nov 2023 12:49

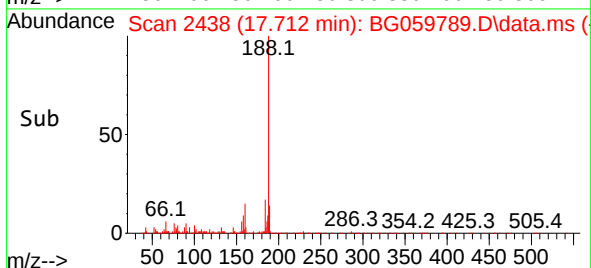
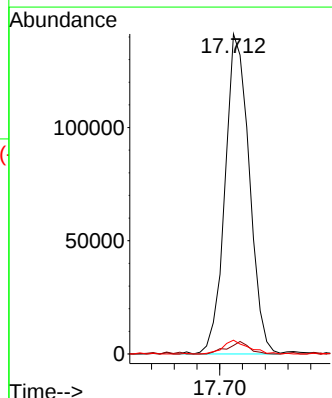
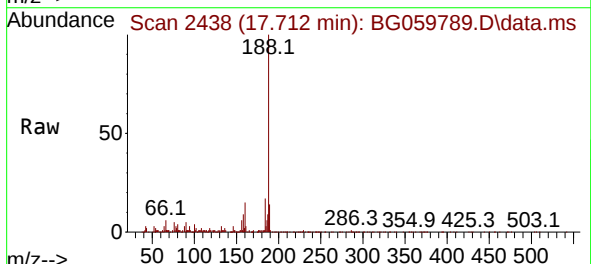
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241DL

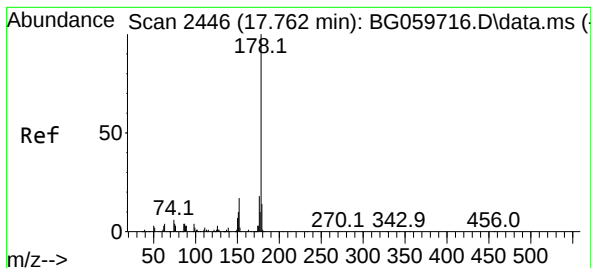
Tgt Ion:166 Resp: 15811
 Ion Ratio Lower Upper
 166 100
 165 79.4 79.9 119.9#
 167 8.7 10.1 15.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.712 min Scan# 2438
 Delta R.T. -0.009 min
 Lab File: BG059789.D
 Acq: 21 Nov 2023 12:49

Tgt Ion:188 Resp: 209472
 Ion Ratio Lower Upper
 188 100
 94 2.7 3.0 4.4#
 80 4.3 4.2 6.4





#71

Phenanthrene

Concen: 30.676 ng

RT: 17.759 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

Instrument :

BNA_G

ClientSampleId :

VNJ-241DL

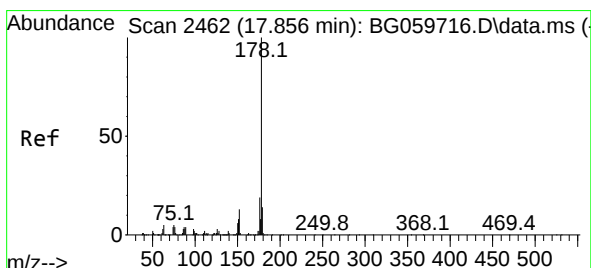
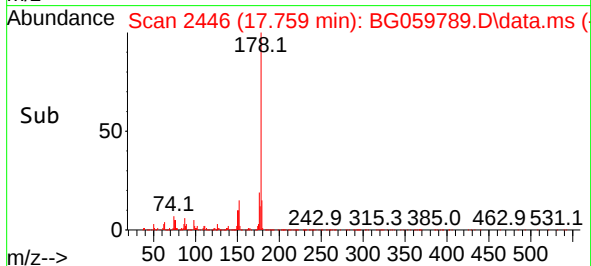
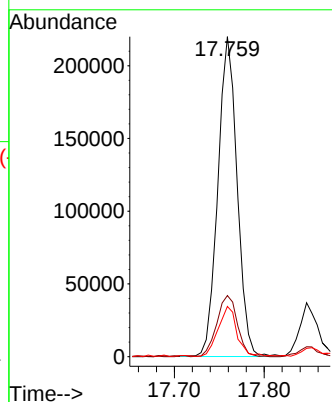
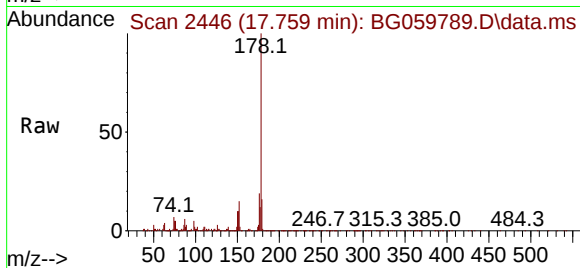
Tgt Ion:178 Resp: 326701

Ion Ratio Lower Upper

178 100

176 19.1 14.5 21.7

179 15.7 11.2 16.8



#72

Anthracene

Concen: 4.448 ng

RT: 17.847 min Scan# 2461

Delta R.T. -0.009 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

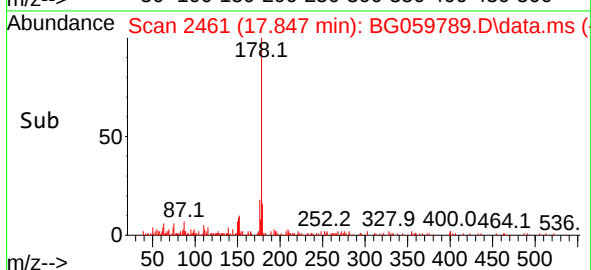
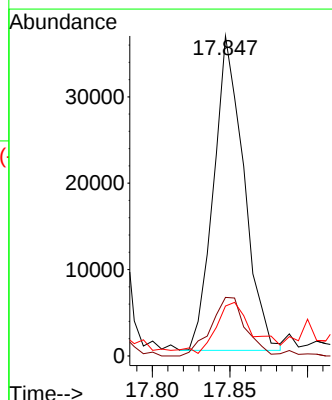
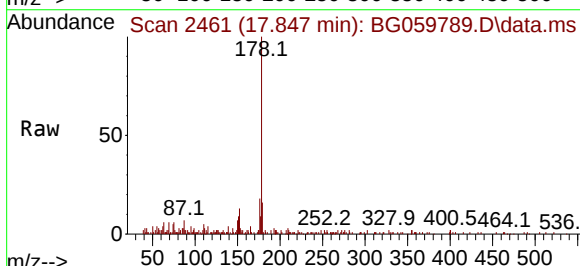
Tgt Ion:178 Resp: 49220

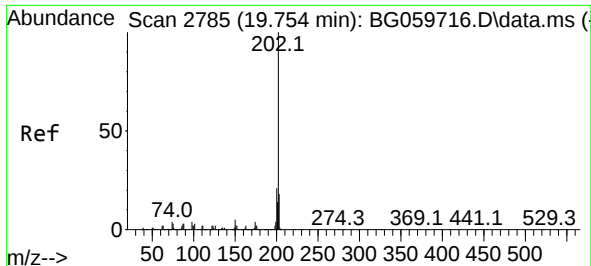
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

179 15.6 11.5 17.3

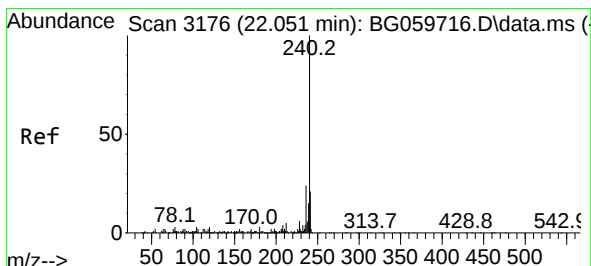
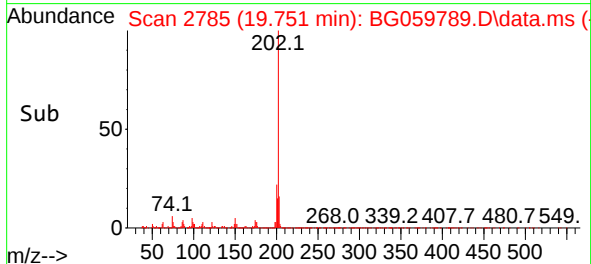
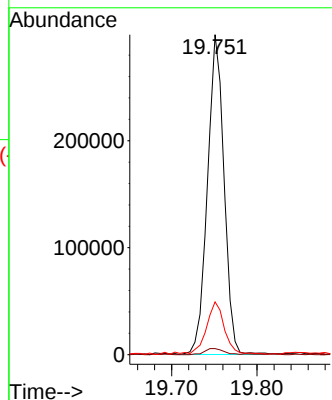
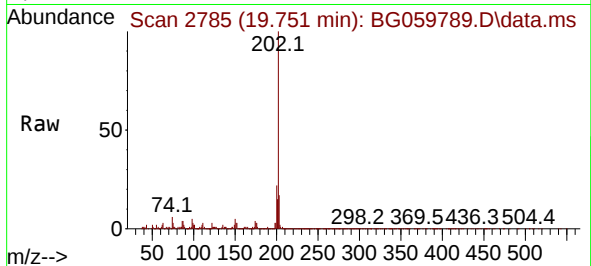




#75
Fluoranthene
Concen: 31.629 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

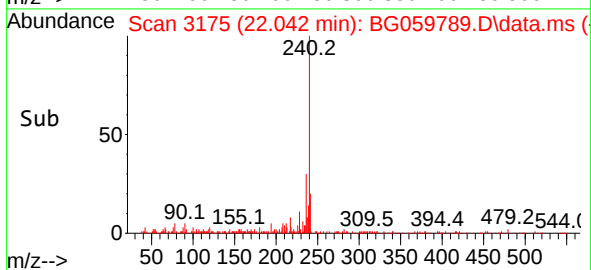
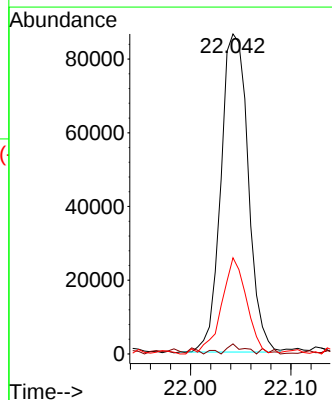
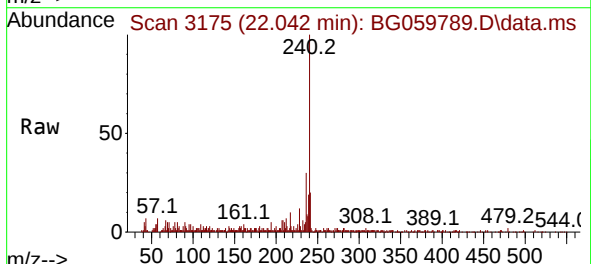
Instrument :
BNA_G
ClientSampleId :
VNJ-241DL

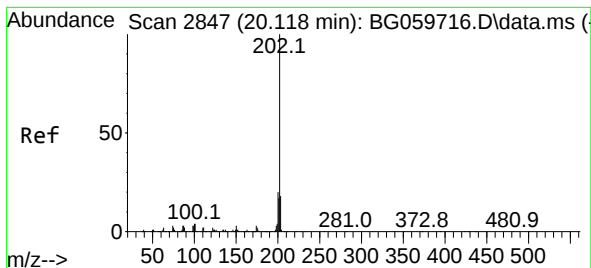
Tgt Ion:202 Resp: 403960
Ion Ratio Lower Upper
202 100
101 1.9 0.0 22.7
203 16.5 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

Tgt Ion:240 Resp: 162749
Ion Ratio Lower Upper
240 100
120 3.2 2.2 3.2
236 30.1 19.4 29.2#





#78

Pyrene

Concen: 22.902 ng

RT: 20.115 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

Instrument :

BNA_G

ClientSampleId :

VNJ-241DL

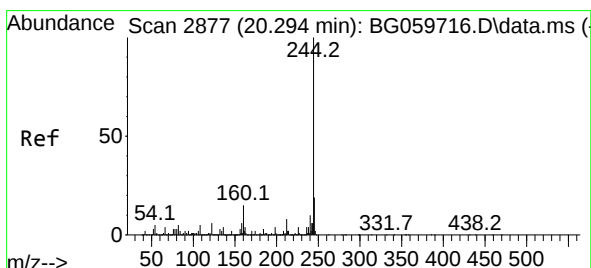
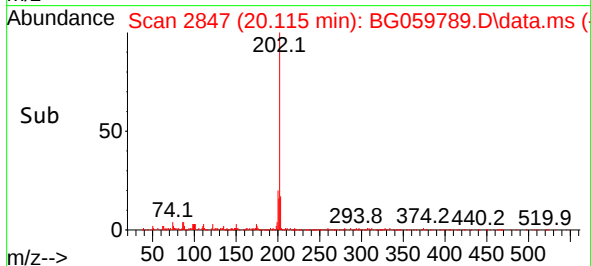
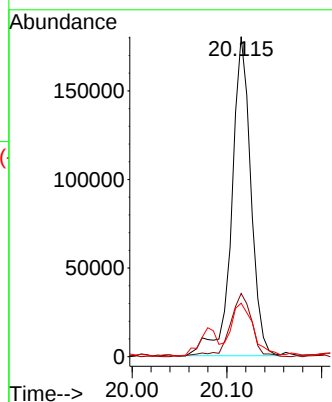
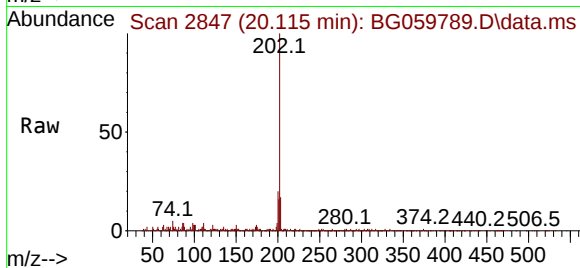
Tgt Ion:202 Resp: 253598

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.4

203 16.7 14.0 21.0



#79

Terphenyl-d14

Concen: 8.360 ng

RT: 20.285 min Scan# 2876

Delta R.T. -0.009 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

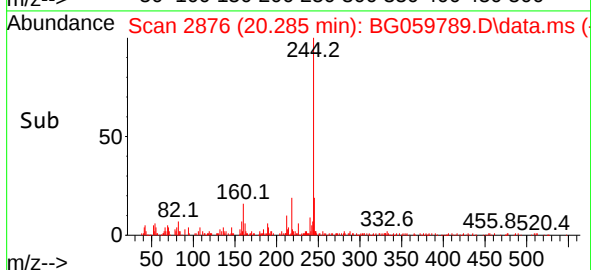
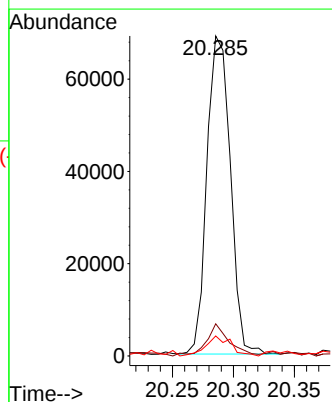
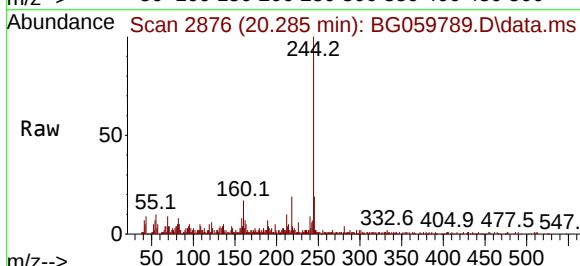
Tgt Ion:244 Resp: 92166

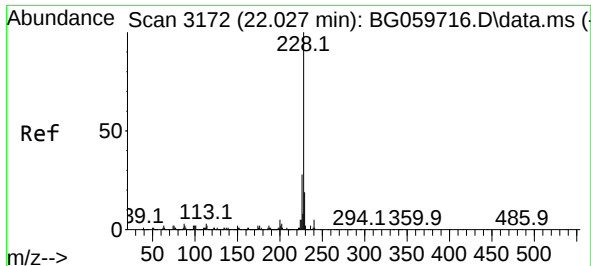
Ion Ratio Lower Upper

244 100

212 10.0 6.6 10.0#

122 6.3 4.4 6.6

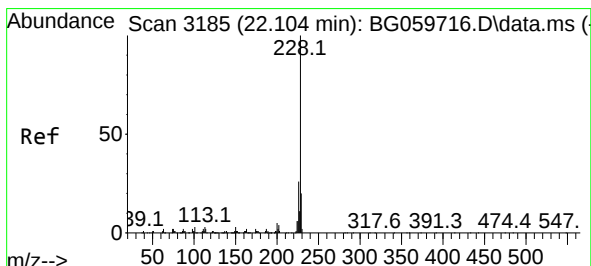
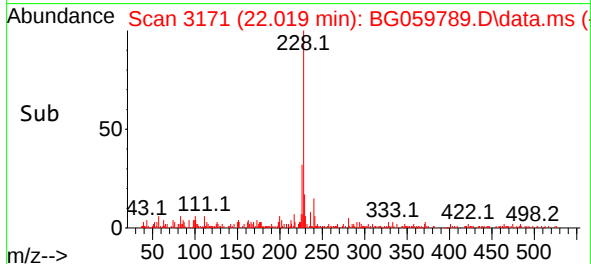
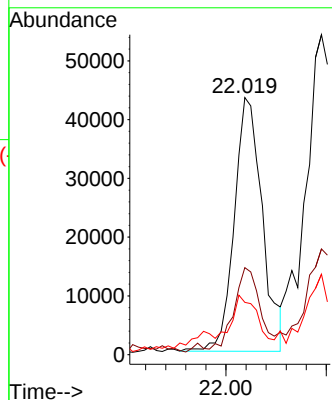
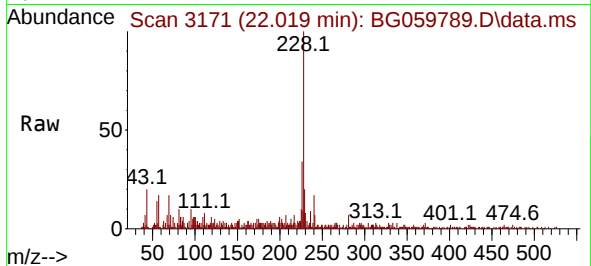




#81
Benzo(a)anthracene
Concen: 7.522 ng
RT: 22.019 min Scan# 3171
Delta R.T. -0.009 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

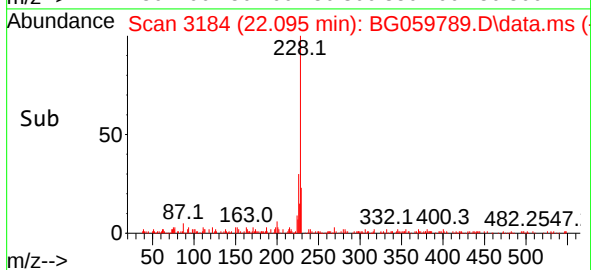
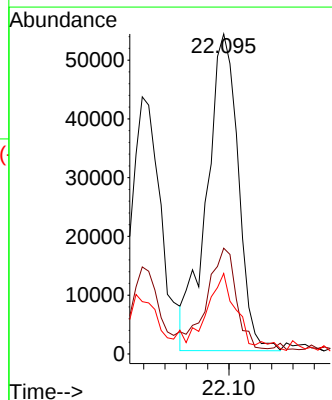
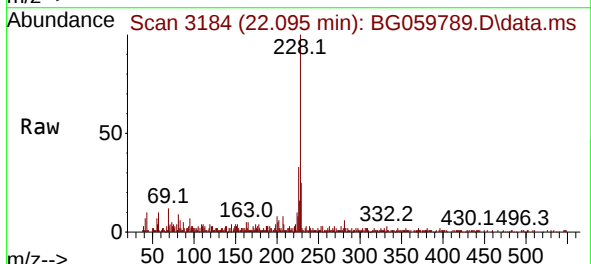
Instrument :
BNA_G
ClientSampleId :
VNJ-241DL

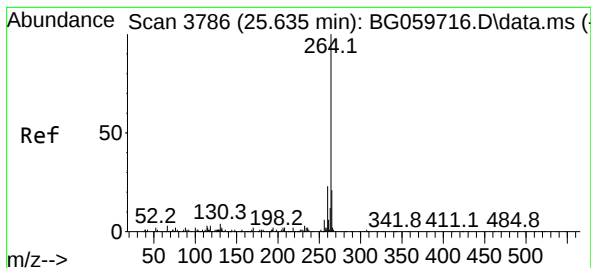
Tgt Ion:228 Resp: 83758
Ion Ratio Lower Upper
228 100
226 33.9 22.1 33.1#
229 20.4 14.9 22.3



#83
Chrysene
Concen: 10.872 ng
RT: 22.095 min Scan# 3184
Delta R.T. -0.009 min
Lab File: BG059789.D
Acq: 21 Nov 2023 12:49

Tgt Ion:228 Resp: 110979
Ion Ratio Lower Upper
228 100
226 33.1 21.1 31.7#
229 25.1 16.2 24.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.638 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

Instrument :

BNA_G

ClientSampleId :

VNJ-241DL

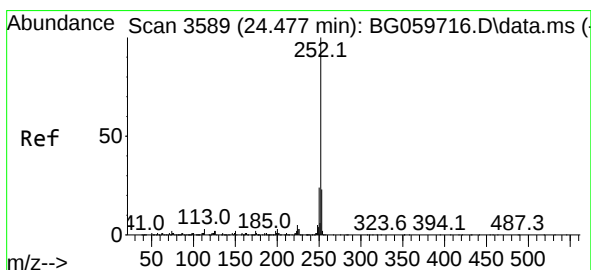
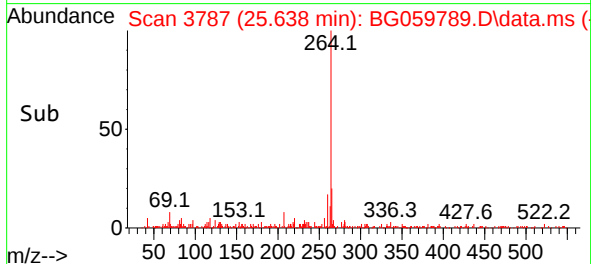
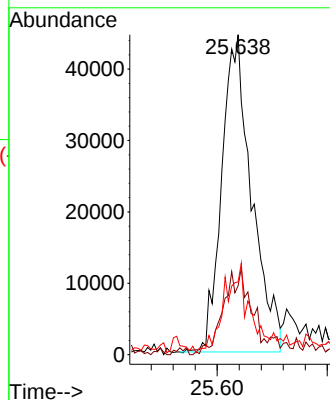
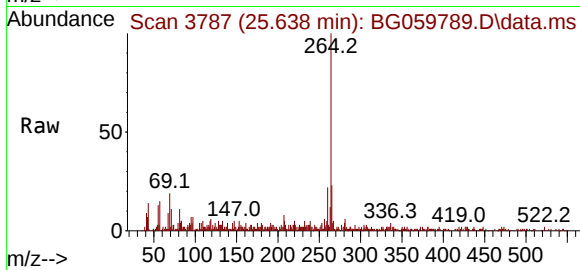
Tgt Ion:264 Resp: 167865

Ion Ratio Lower Upper

264 100

260 21.6 18.5 27.7

265 22.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 8.271 ng

RT: 24.475 min Scan# 3589

Delta R.T. -0.003 min

Lab File: BG059789.D

Acq: 21 Nov 2023 12:49

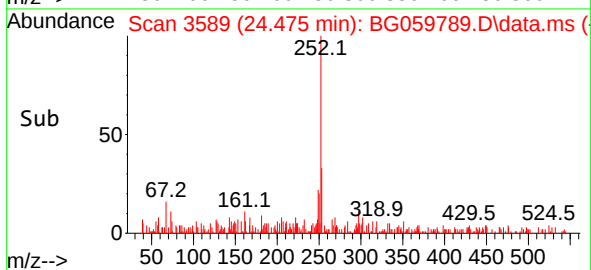
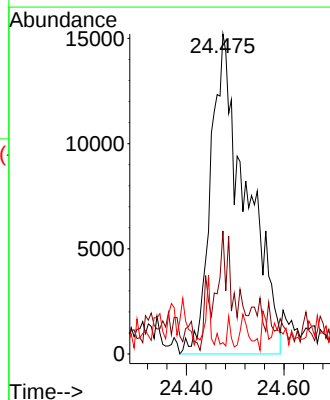
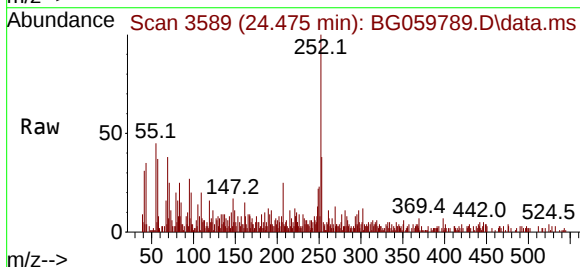
Tgt Ion:252 Resp: 76097

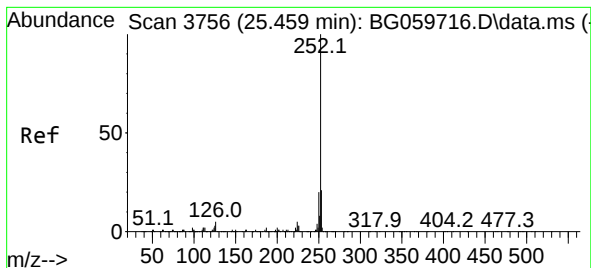
Ion Ratio Lower Upper

252 100

253 38.5 18.3 27.5#

125 3.6 1.4 2.0#





#90

Benzo(a)pyrene

Concen: 2.356 ng

RT: 25.444 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059789.D

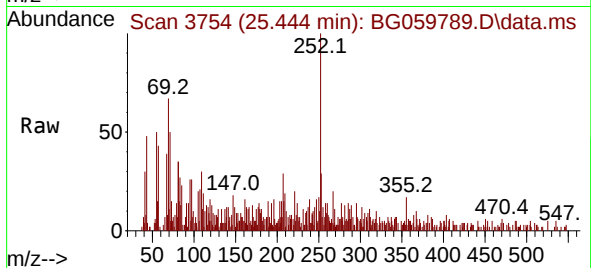
Acq: 21 Nov 2023 12:49

Instrument :

BNA_G

ClientSampleId :

VNJ-241DL



Tgt Ion:252 Resp: 23133

Ion Ratio Lower Upper

252 100

253 28.9 16.8 25.2#

125 8.4 2.0 3.0#

