

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056021.D
 Acq On : 19 Dec 2022 20:11
 Operator : CG/JU
 Sample : N6068-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-201

Quant Time: Dec 20 01:07:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

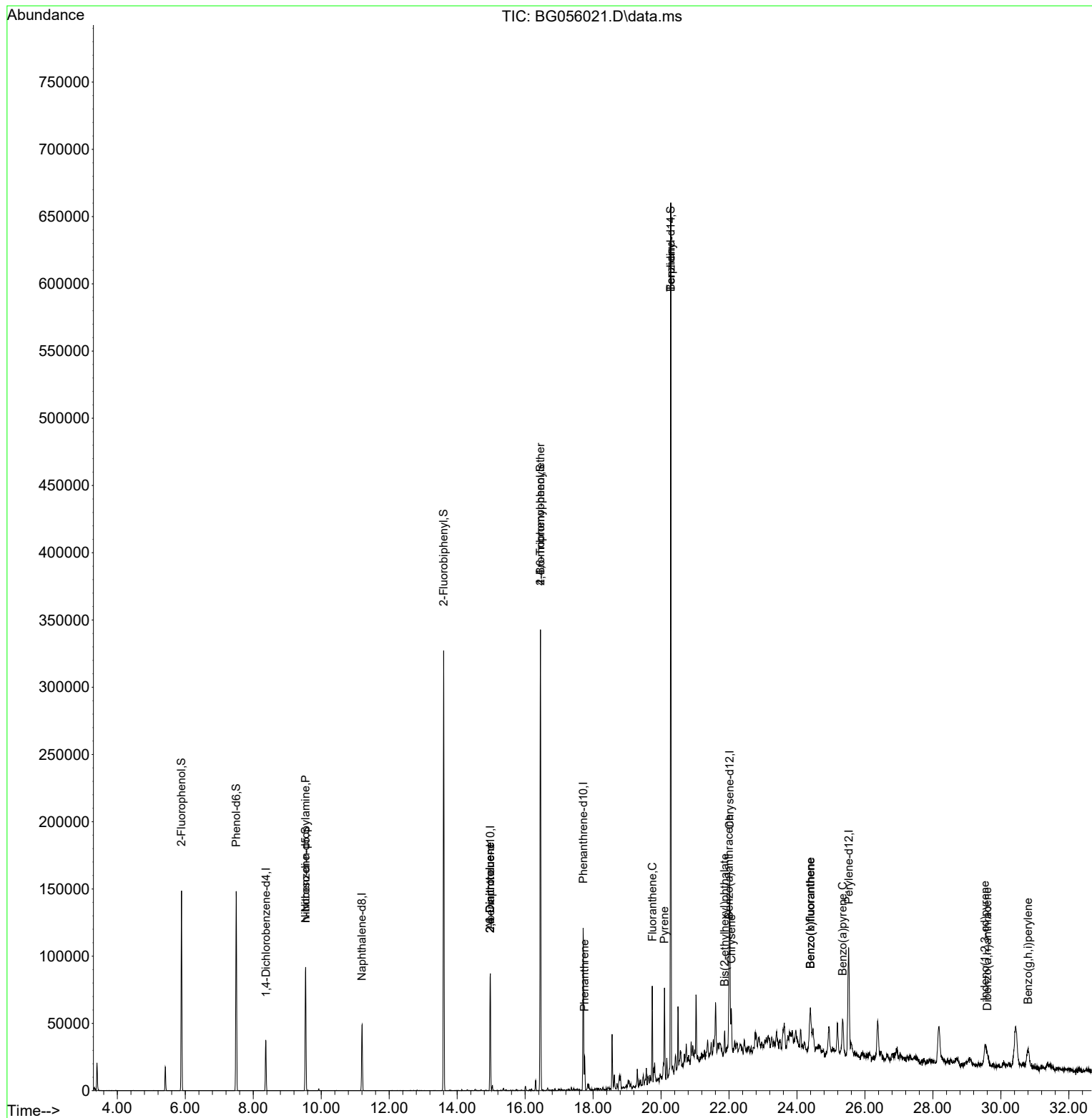
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.373	152	11605	20.000	ng	0.00
21) Naphthalene-d8	11.200	136	44201	20.000	ng	# 0.00
39) Acenaphthene-d10	14.977	164	34638	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	87280	20.000	ng	0.00
76) Chrysene-d12	22.022	240	87042	20.000	ng	0.00
86) Perylene-d12	25.524	264	107417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.888	112	59040	119.310	ng	0.00
7) Phenol-d6	7.498	99	73025	114.740	ng	0.00
23) Nitrobenzene-d5	9.543	82	49967	78.998	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	90449	108.293	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	178528	72.286	ng	0.00
79) Terphenyl-d14	20.289	244	349960	71.060	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.543	70	7506	16.454	ng	# 63
51) 2,6-Dinitrotoluene	14.972	165	4777	10.308	ng	# 25
57) 2,4-Dinitrotoluene	14.972	165	4777	6.829	ng	# 35
67) 4-Bromophenyl-phenylether	16.452	248	5137	4.017	ng	# 1
71) Phenanthrene	17.751	178	19579	4.281	ng	98
75) Fluoranthene	19.742	202	48222	7.529	ng	99
77) Benzidine	20.289	184	5503	3.600	ng	# 88
78) Pyrene	20.101	202	48737	9.253	ng	97
81) Benzo(a)anthracene	21.999	228	31237	5.100	ng	# 93
83) Chrysene	22.069	228	30734	5.354	ng	# 90
84) Bis(2-ethylhexyl)phtha...	21.875	149	8123	3.663	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.537	276	36819	4.263	ng	# 71
88) Benzo(b)fluoranthene	24.402	252	43153	6.207	ng	98
89) Benzo(k)fluoranthene	24.402	252	43153	6.222	ng	100
90) Benzo(a)pyrene	25.348	252	36600	6.228	ng	# 89
91) Dibenzo(a,h)anthracene	29.607	278	16185	2.239	ng	# 84
92) Benzo(g,h,i)perylene	30.800	276	39184	5.606	ng	94

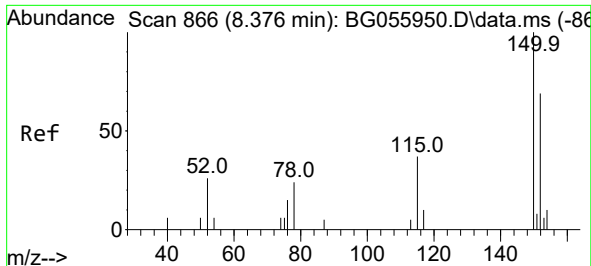
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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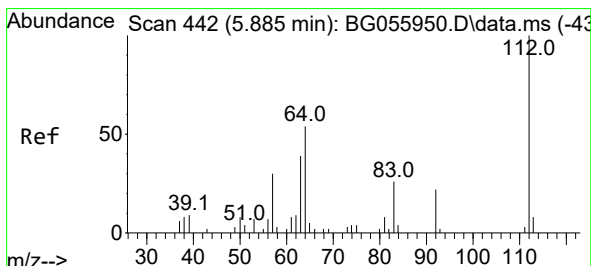
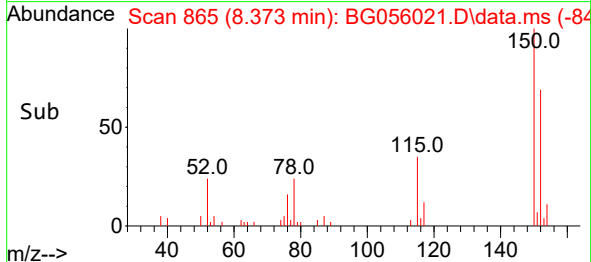
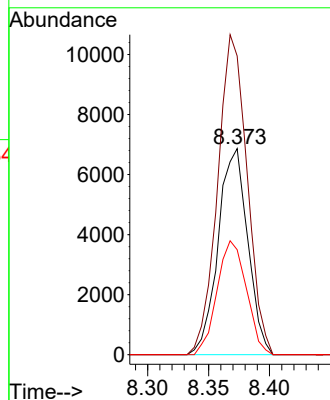
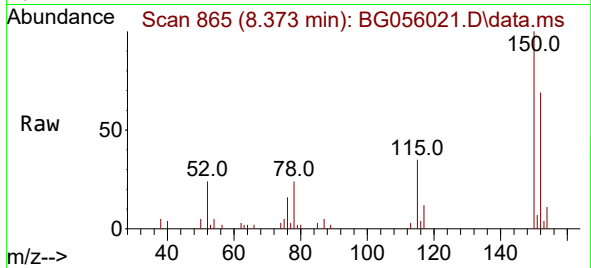




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.373 min Scan# 866
Delta R.T. 0.009 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

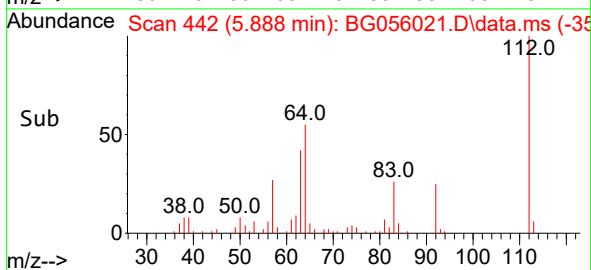
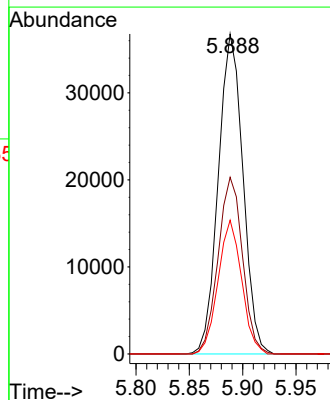
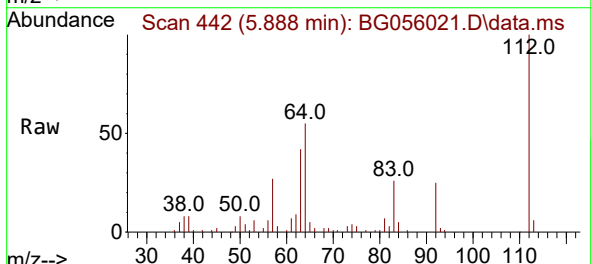
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ClientSampleId :
VNJ-201

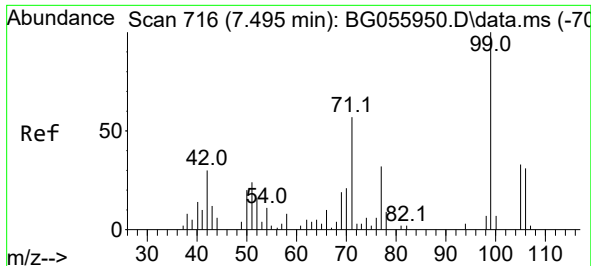
Tgt Ion:152 Resp: 11605
Ion Ratio Lower Upper
152 100
150 144.9 115.7 173.5
115 51.0 43.0 64.4



#5
2-Fluorophenol
Concen: 119.310 ng
RT: 5.888 min Scan# 442
Delta R.T. 0.004 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:112 Resp: 59040
Ion Ratio Lower Upper
112 100
64 55.2 43.0 64.4
63 41.8 31.4 47.2

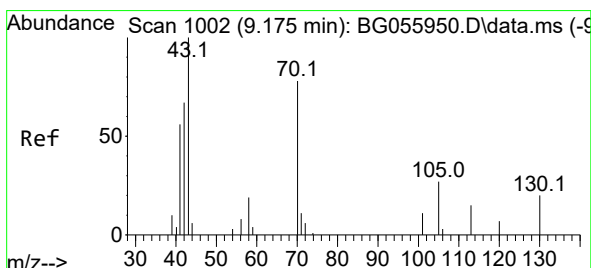
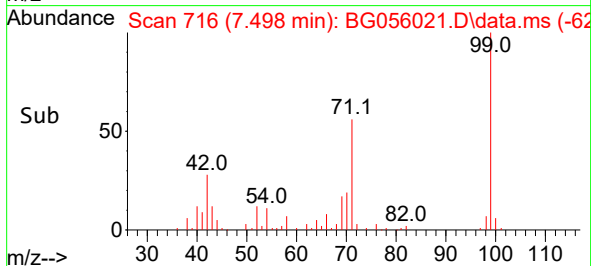
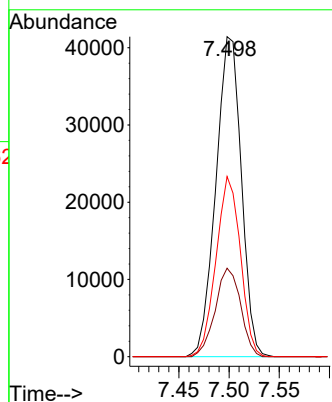
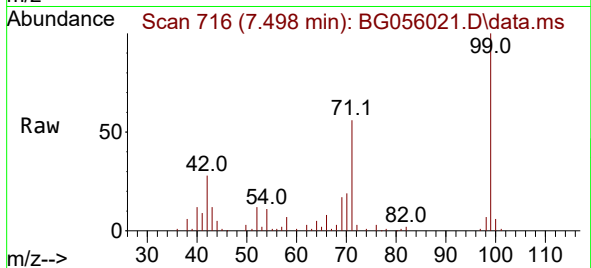




#7
Phenol-d6
Concen: 114.740 ng
RT: 7.498 min Scan# 716
Delta R.T. 0.004 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

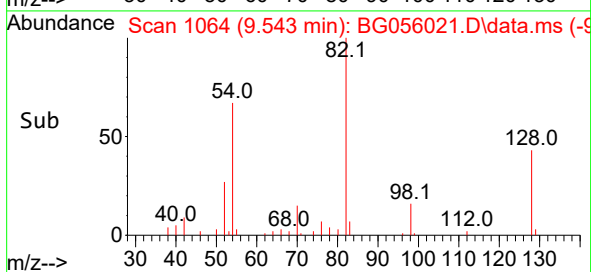
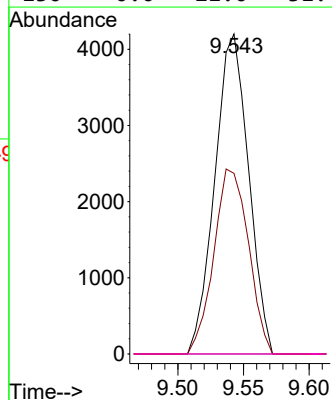
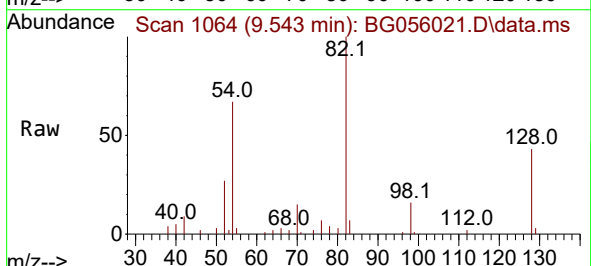
Instrument :
BNA_G
ClientSampleId :
VNJ-201

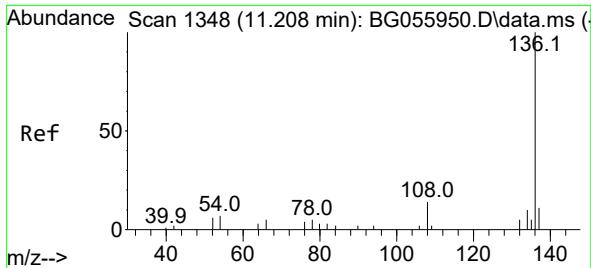
Tgt Ion: 99 Resp: 73025
Ion Ratio Lower Upper
99 100
42 27.7 24.3 36.5
71 56.3 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.454 ng
RT: 9.543 min Scan# 1064
Delta R.T. 0.368 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion: 70 Resp: 7506
Ion Ratio Lower Upper
70 100
42 56.5 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

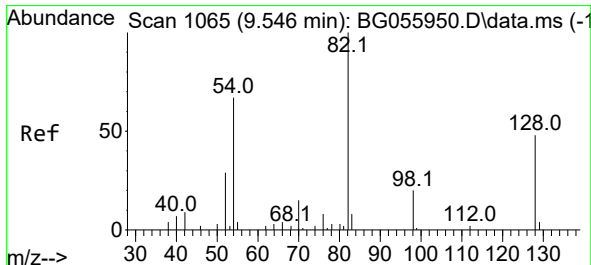
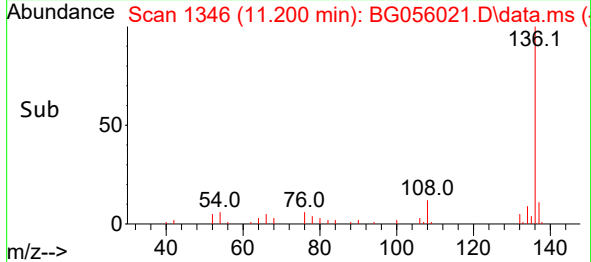
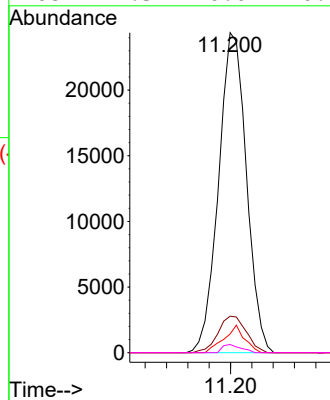
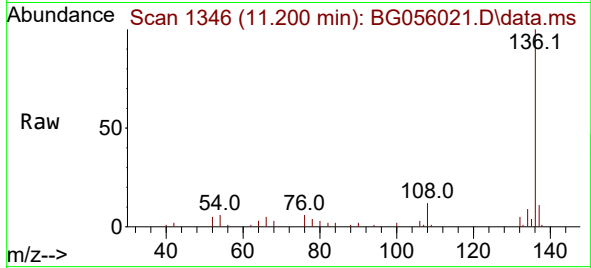




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.200 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

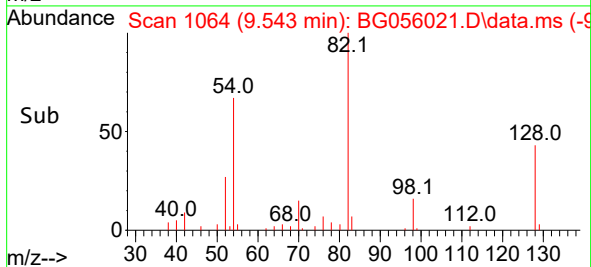
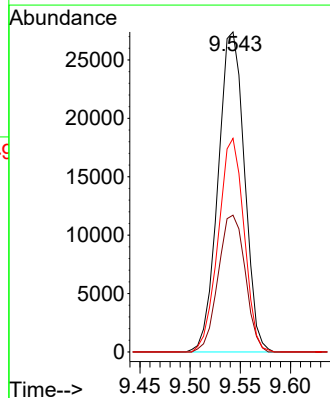
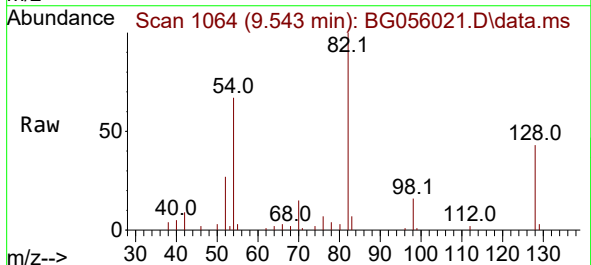
Instrument :
BNA_G
ClientSampleId :
VNJ-201

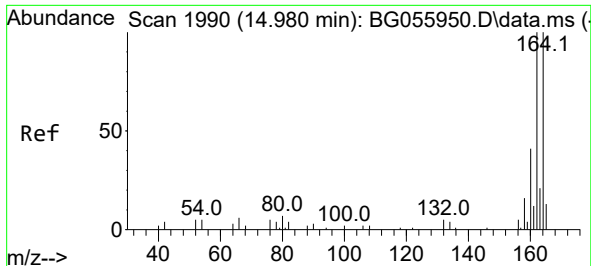
Tgt Ion:	136	Resp:	44201
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.2	13.8
54	5.8	5.6	8.4
68	2.5	0.0	0.0



#23
Nitrobenzene-d5
Concen: 78.998 ng
RT: 9.543 min Scan# 1064
Delta R.T. -0.002 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:	82	Resp:	49967
Ion Ratio	Lower	Upper	
82	100		
128	42.8	38.4	57.6
54	66.7	53.3	79.9

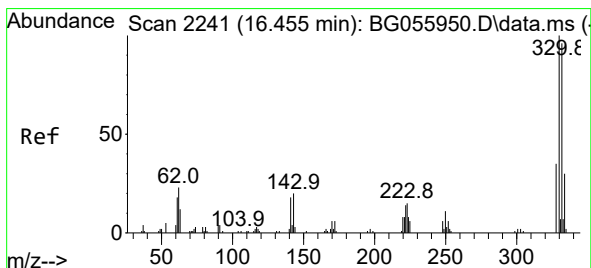
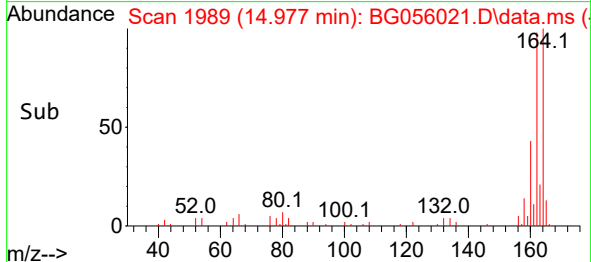
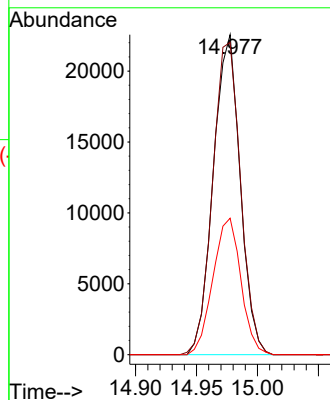
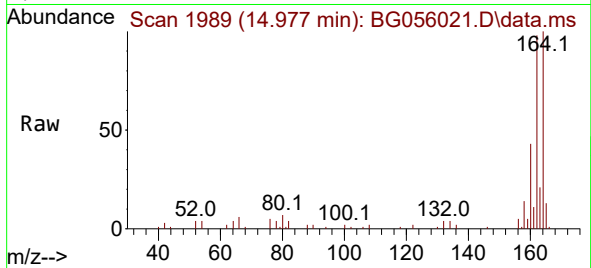




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.977 min Scan# 1989
Delta R.T. -0.002 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

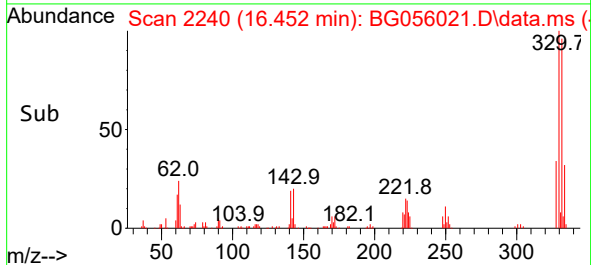
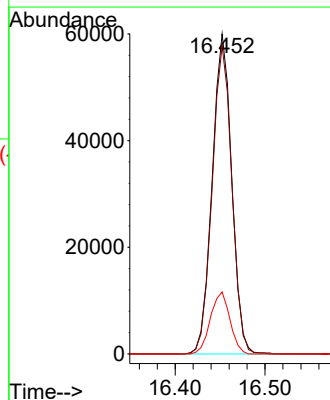
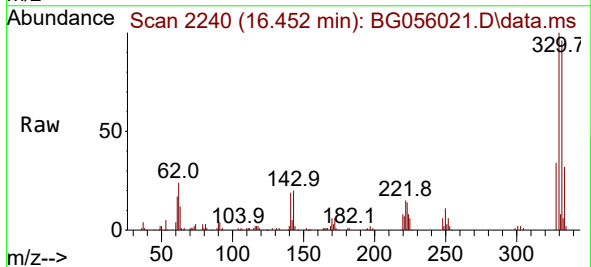
Instrument :
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ClientSampleId :
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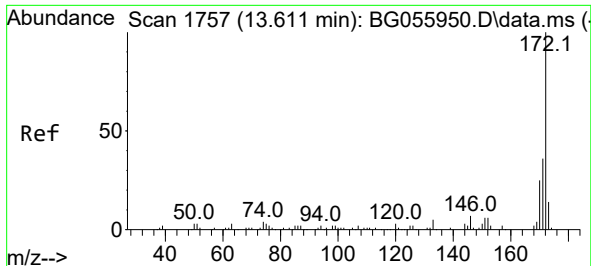
Tgt Ion:164 Resp: 34638
Ion Ratio Lower Upper
164 100
162 97.6 79.8 119.8
160 42.7 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 108.293 ng
RT: 16.452 min Scan# 2240
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:330 Resp: 90449
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 19.3 15.0 22.4

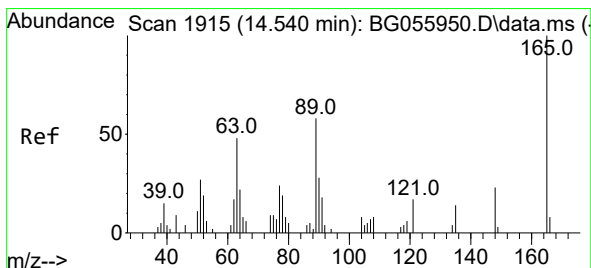
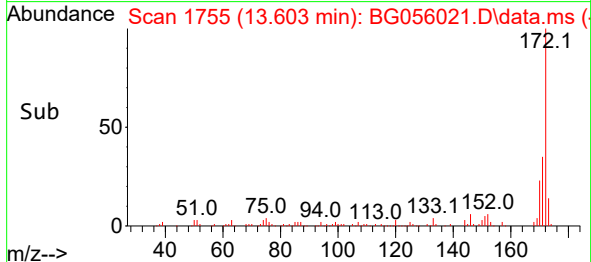
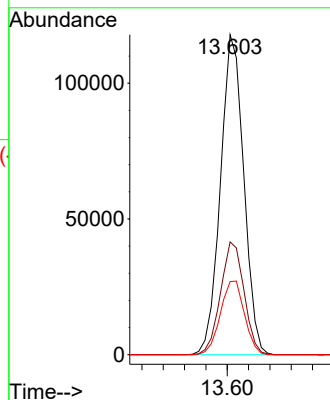
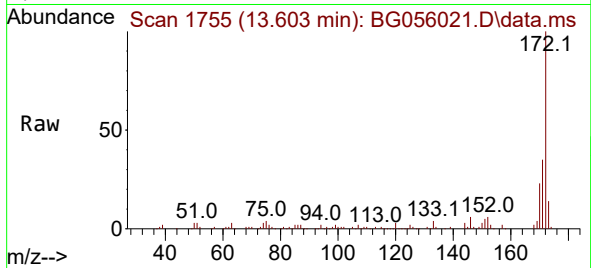




#45
2-Fluorobiphenyl
Concen: 72.286 ng
RT: 13.603 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

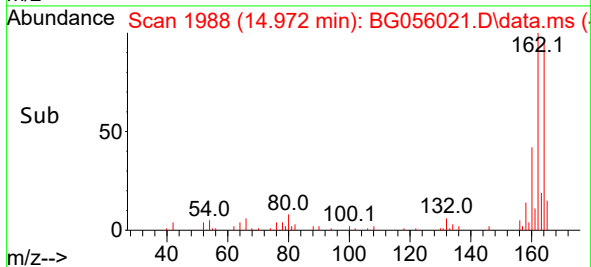
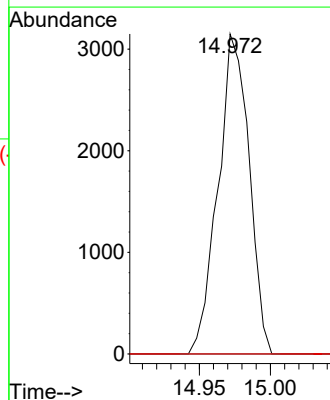
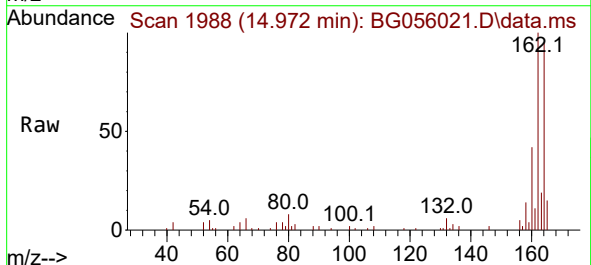
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VNJ-201

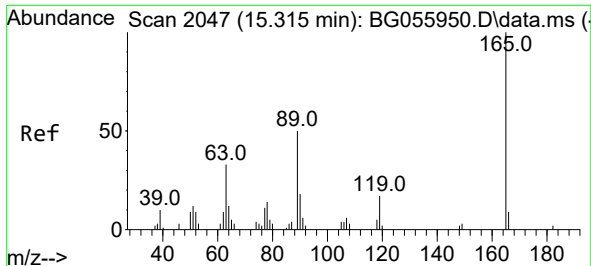
Tgt Ion:172 Resp: 178528
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.8 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 10.308 ng
RT: 14.972 min Scan# 1988
Delta R.T. 0.433 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:165 Resp: 4777
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#

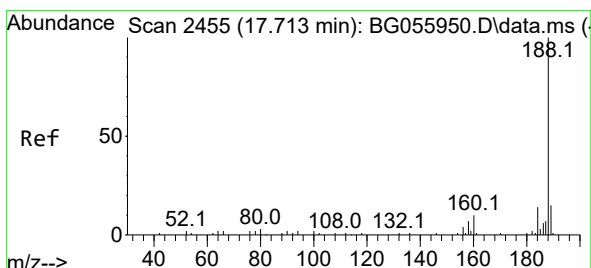
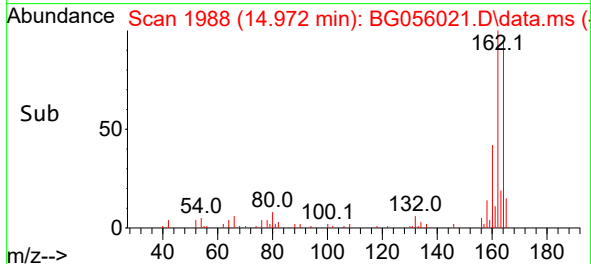
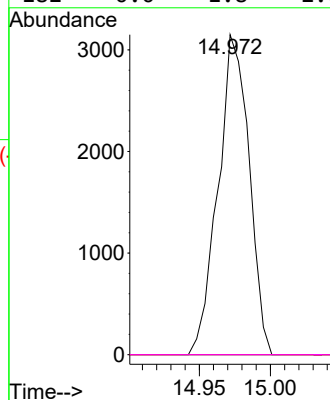
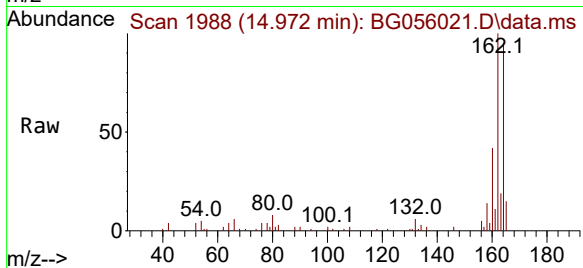




#57
2,4-Dinitrotoluene
Concen: 6.829 ng
RT: 14.972 min Scan# 1988
Delta R.T. -0.349 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

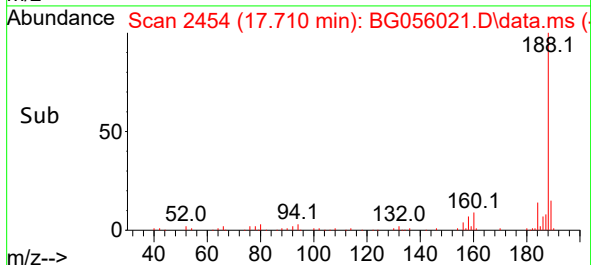
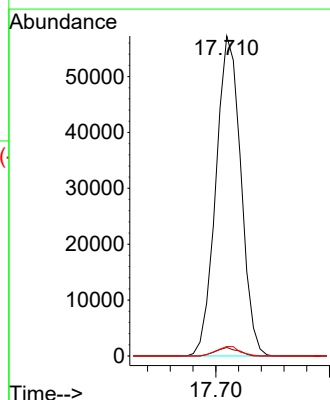
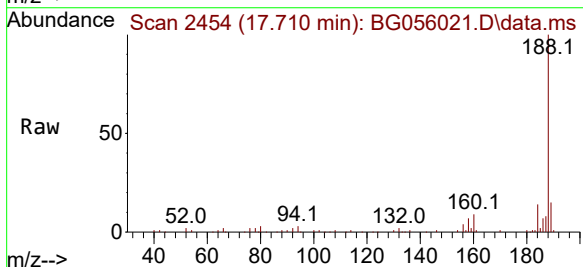
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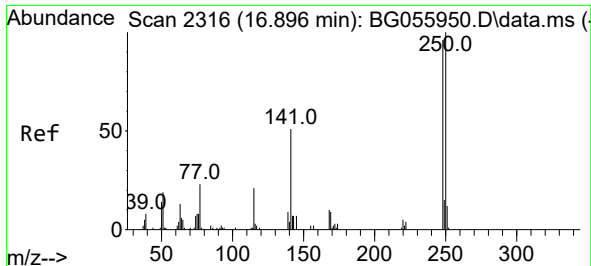
Tgt Ion:165 Resp: 4777
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.710 min Scan# 2454
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:188 Resp: 87280
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.9 2.4 3.6

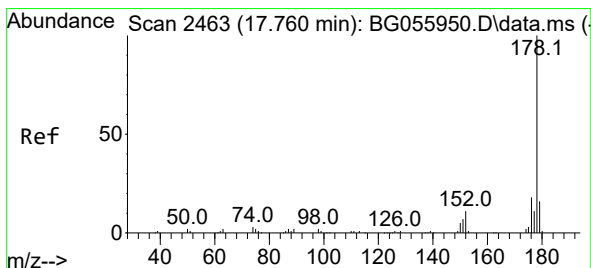
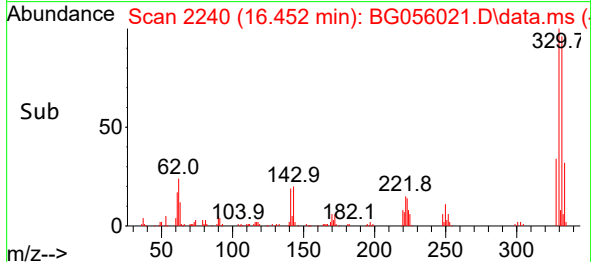
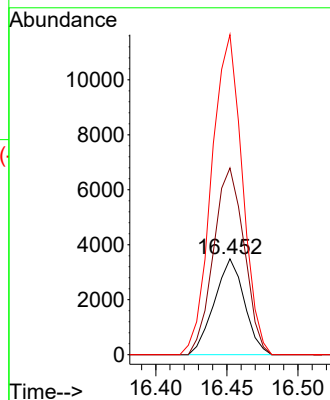
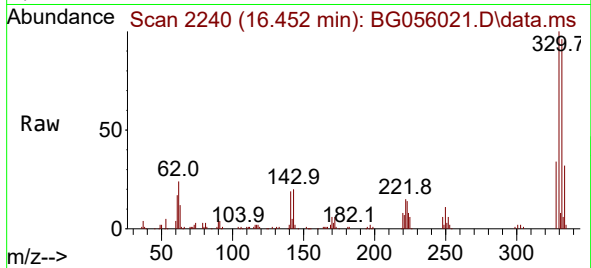




#67
4-Bromophenyl-phenylether
Concen: 4.017 ng
RT: 16.452 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

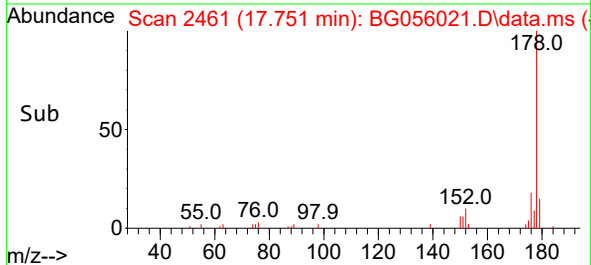
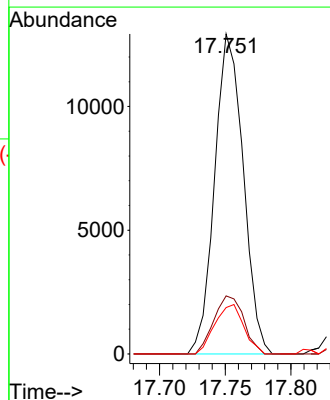
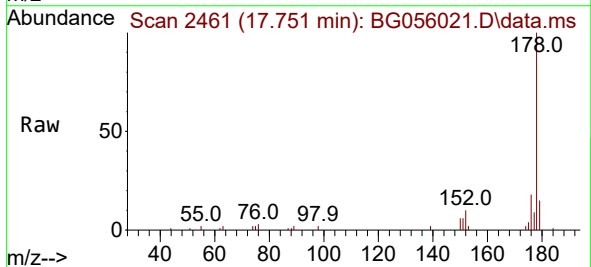
Instrument :
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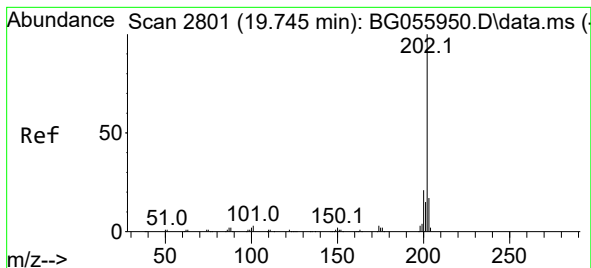
Tgt Ion:248 Resp: 5137
Ion Ratio Lower Upper
248 100
250 194.9 83.0 124.6#
141 334.1 42.6 64.0#



#71
Phenanthrene
Concen: 4.281 ng
RT: 17.751 min Scan# 2461
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:178 Resp: 19579
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 14.5 12.7 19.1





#75

Fluoranthene

Concen: 7.529 ng

RT: 19.742 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

Instrument :

BNA_G

ClientSampleId :

VNJ-201

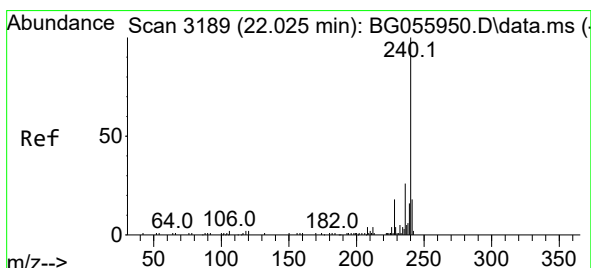
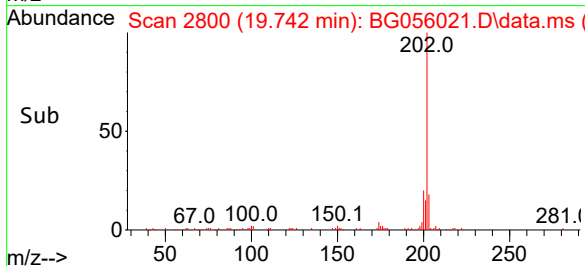
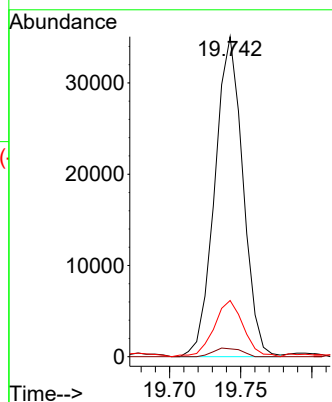
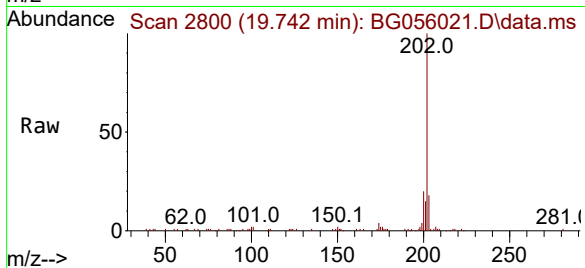
Tgt Ion:202 Resp: 48222

Ion Ratio Lower Upper

202 100

101 2.5 0.0 22.6

203 17.5 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.022 min Scan# 3188

Delta R.T. -0.008 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

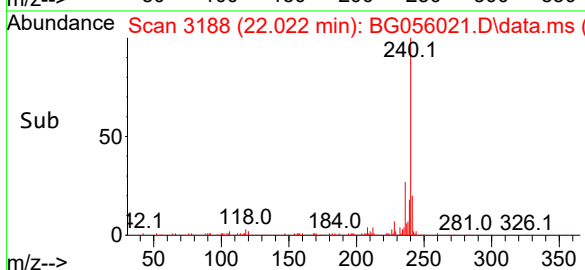
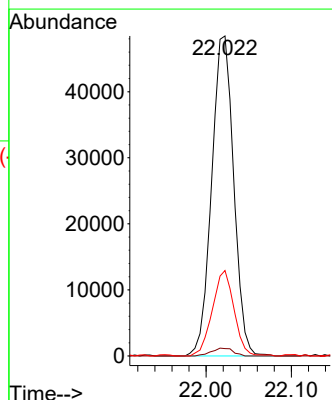
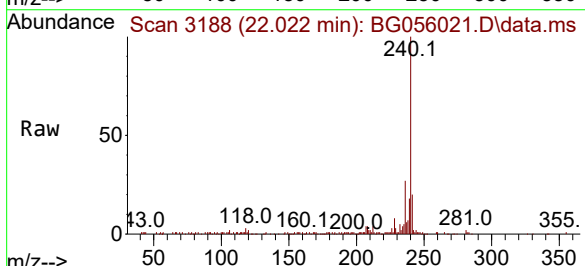
Tgt Ion:240 Resp: 87042

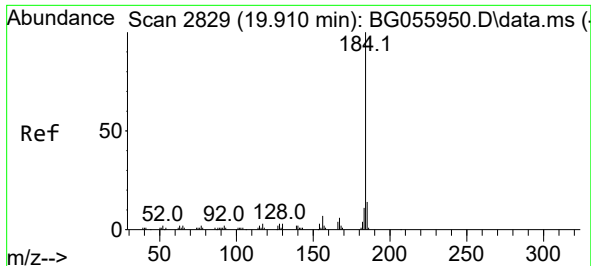
Ion Ratio Lower Upper

240 100

120 2.3 1.7 2.5

236 26.7 21.1 31.7

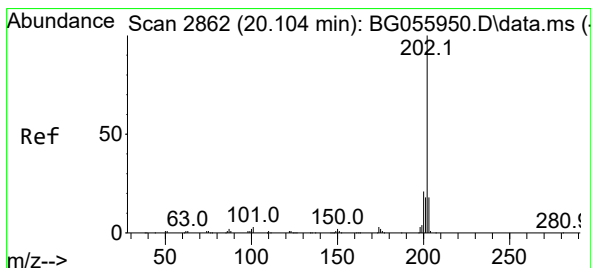
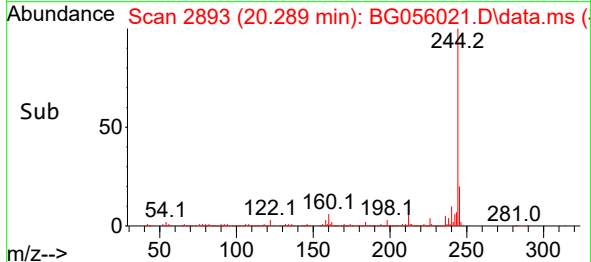
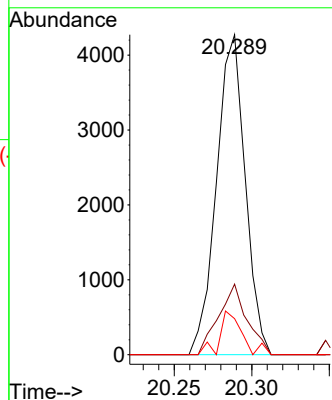
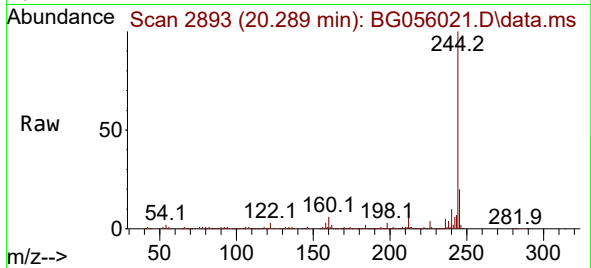




#77
Benzidine
Concen: 3.600 ng
RT: 20.289 min Scan# 21
Delta R.T. 0.374 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

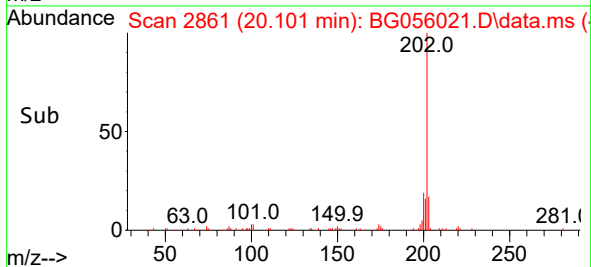
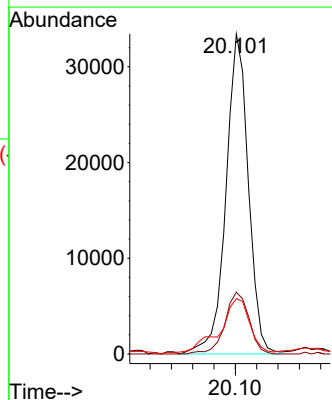
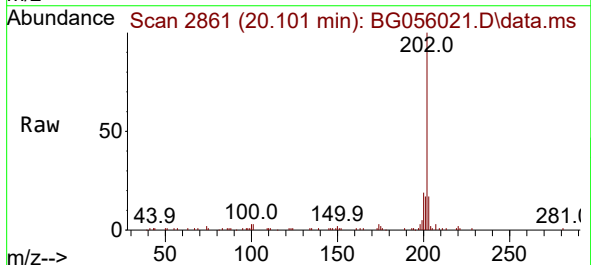
Instrument :
BNA_G
ClientSampleId :
VNJ-201

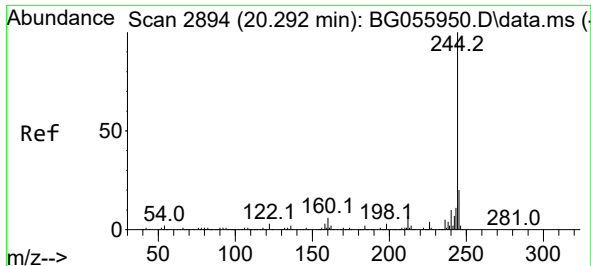
Tgt Ion:184 Resp: 5503
Ion Ratio Lower Upper
184 100
185 22.0 10.9 16.3#
183 11.3 9.2 13.8



#78
Pyrene
Concen: 9.253 ng
RT: 20.101 min Scan# 2861
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:202 Resp: 48737
Ion Ratio Lower Upper
202 100
200 19.3 16.7 25.1
203 17.3 14.6 21.8

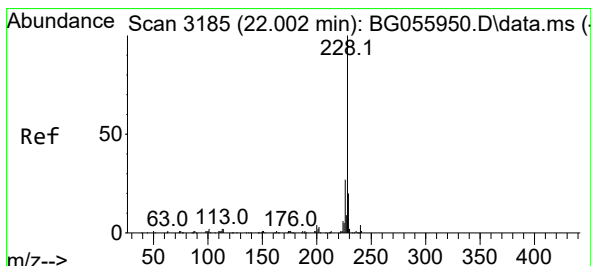
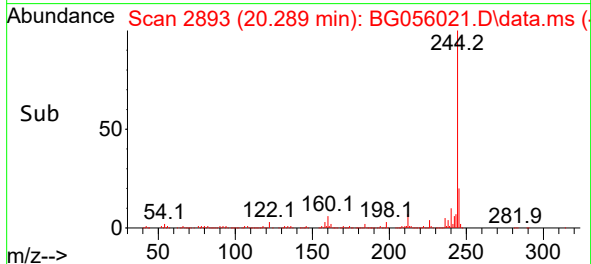
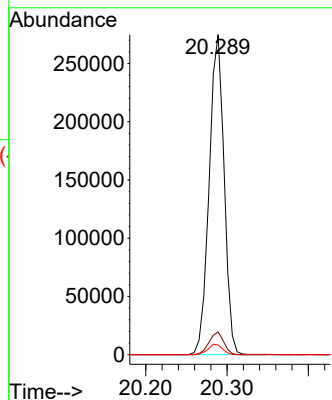
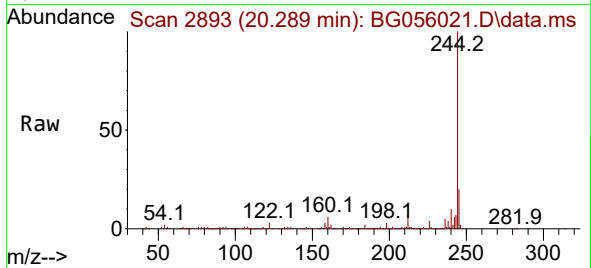




#79
 Terphenyl-d14
 Concen: 71.060 ng
 RT: 20.289 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG056021.D
 Acq: 19 Dec 2022 20:11

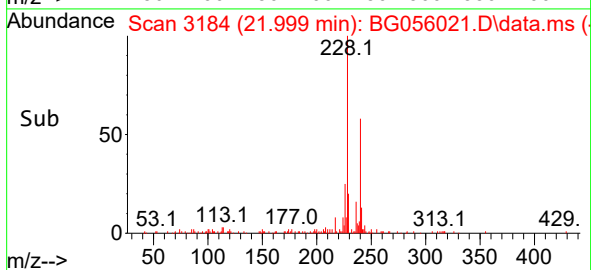
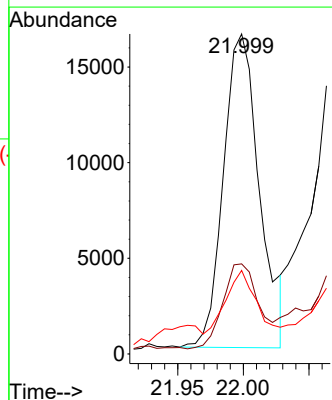
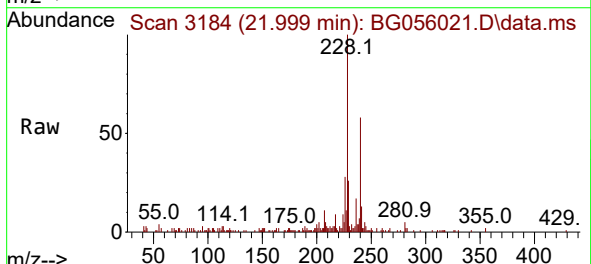
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-201

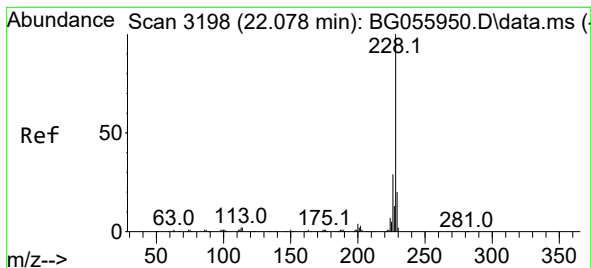
Tgt Ion:244 Resp: 349960
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 3.1 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 5.100 ng
 RT: 21.999 min Scan# 3184
 Delta R.T. -0.008 min
 Lab File: BG056021.D
 Acq: 19 Dec 2022 20:11

Tgt Ion:228 Resp: 31237
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.8 32.6
 229 26.1 15.9 23.9#





#83

Chrysene

Concen: 5.354 ng

RT: 22.069 min Scan# 3196

Delta R.T. -0.008 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

Instrument :

BNA_G

ClientSampleId :

VNJ-201

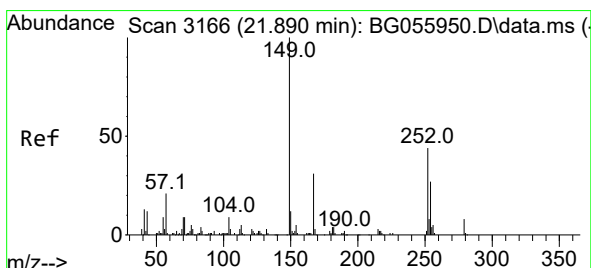
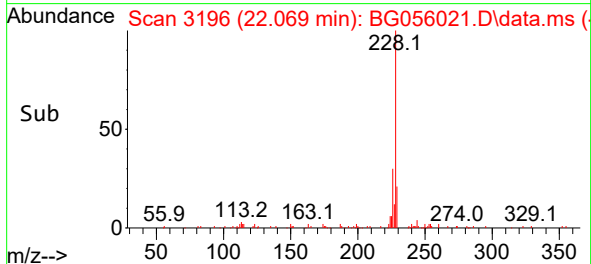
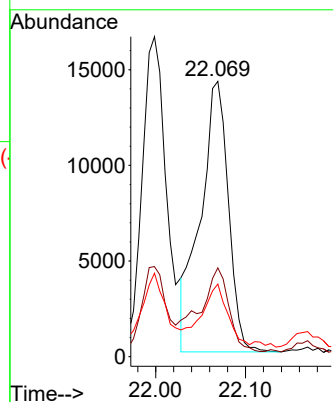
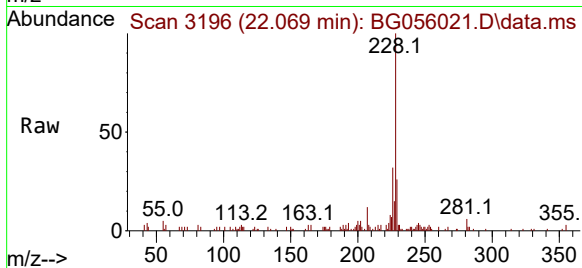
Tgt Ion:228 Resp: 30734

Ion Ratio Lower Upper

228 100

226 32.2 23.1 34.7

229 26.4 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.663 ng

RT: 21.875 min Scan# 3163

Delta R.T. -0.008 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

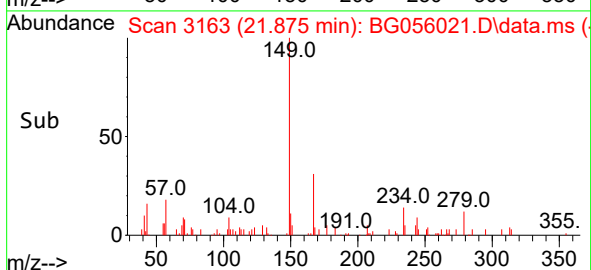
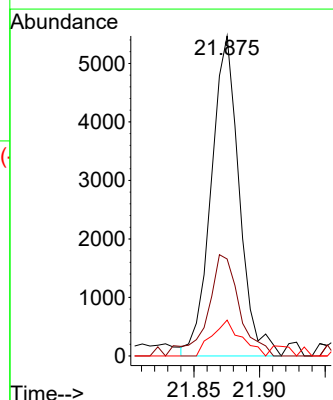
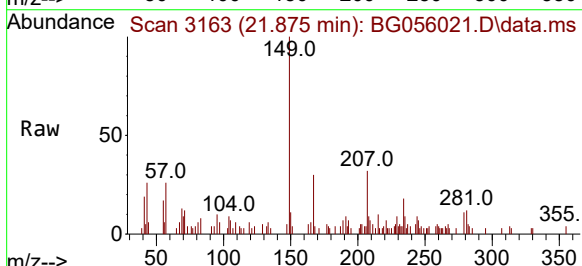
Tgt Ion:149 Resp: 8123

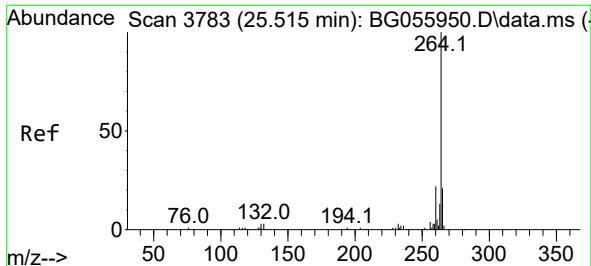
Ion Ratio Lower Upper

149 100

167 30.3 24.6 36.8

279 11.2 6.3 9.5#



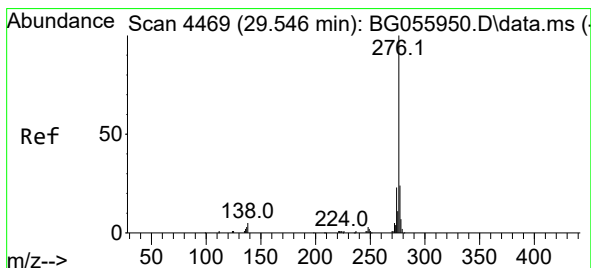
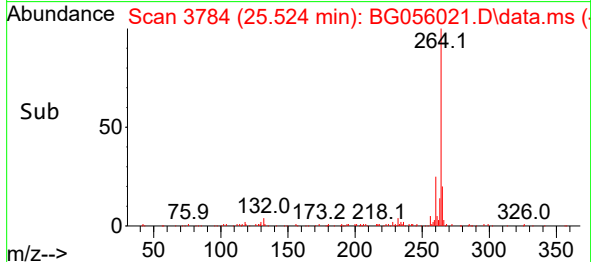
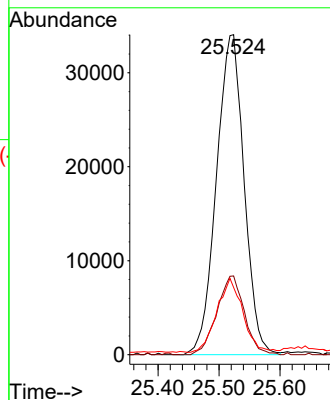
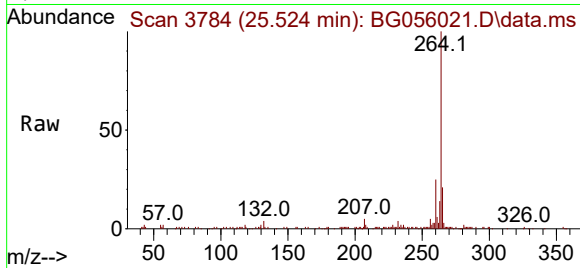


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.524 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Instrument :
BNA_G
ClientSampleId :
VNJ-201

Tgt Ion:264 Resp: 107417

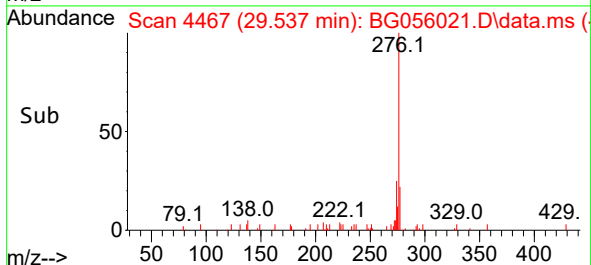
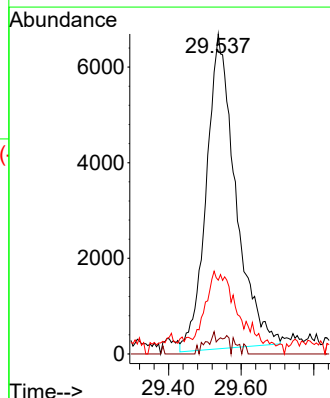
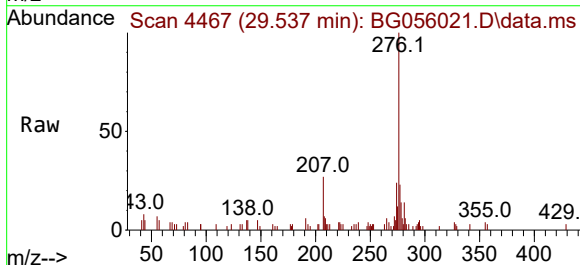
Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.8	26.8
265	21.0	16.6	25.0

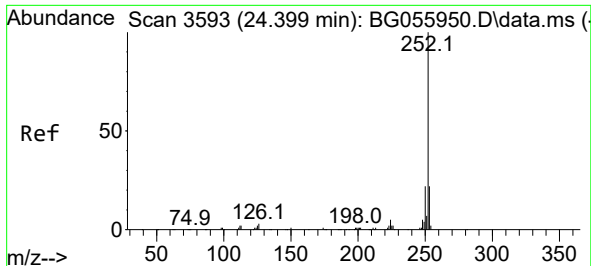


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.263 ng
RT: 29.537 min Scan# 4467
Delta R.T. -0.020 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:276 Resp: 36819

Ion	Ratio	Lower	Upper
276	100		
138	2.6	3.0	4.4#
277	8.9	20.4	30.6#

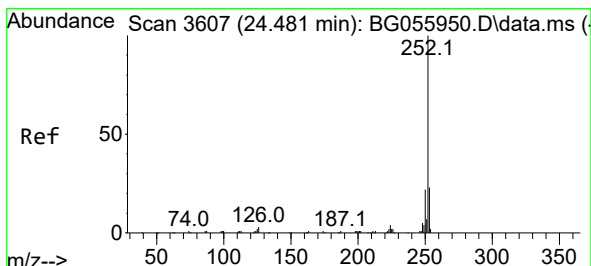
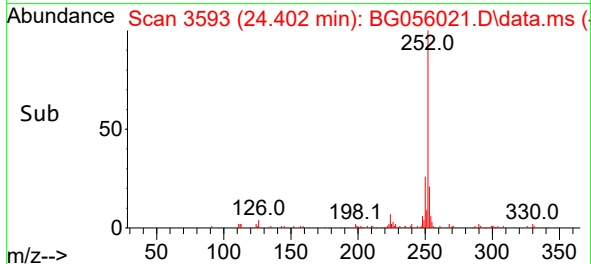
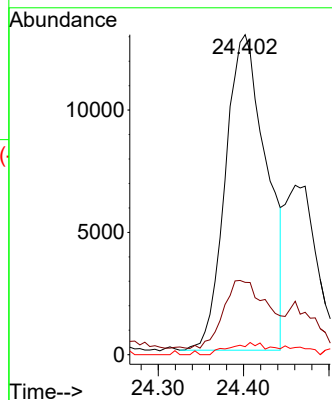
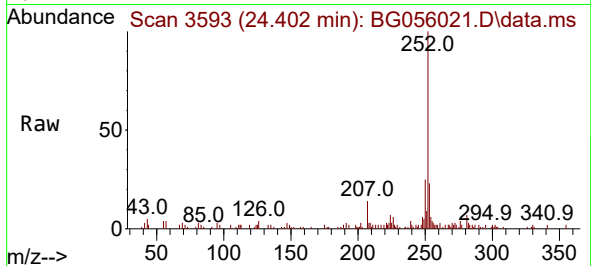




#88
Benzo(b)fluoranthene
Concen: 6.207 ng
RT: 24.402 min Scan# 3593
Delta R.T. -0.002 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

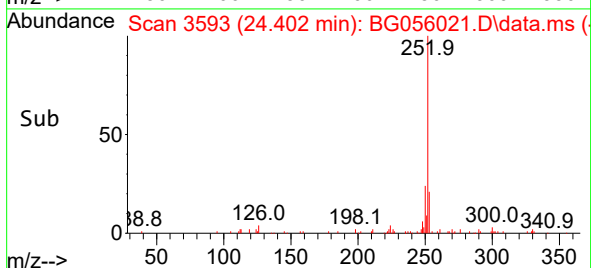
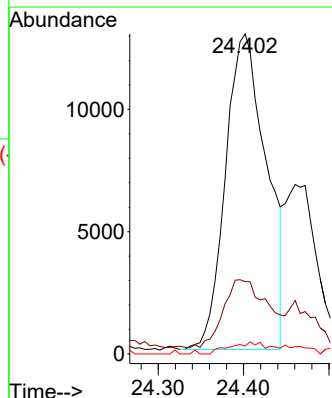
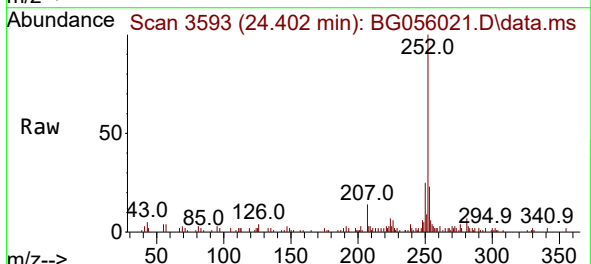
Instrument :
BNA_G
ClientSampleId :
VNJ-201

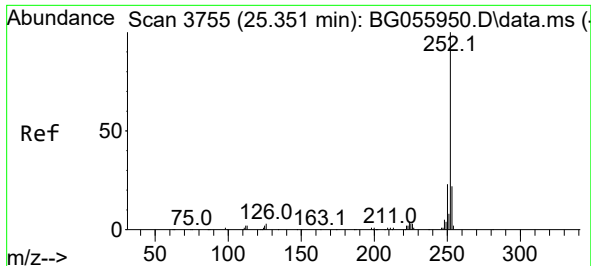
Tgt Ion:252 Resp: 43153
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 2.5 1.8 2.8



#89
Benzo(k)fluoranthene
Concen: 6.222 ng
RT: 24.402 min Scan# 3593
Delta R.T. -0.084 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:252 Resp: 43153
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 2.5 2.0 3.0

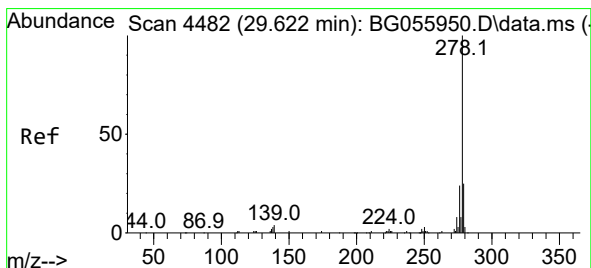
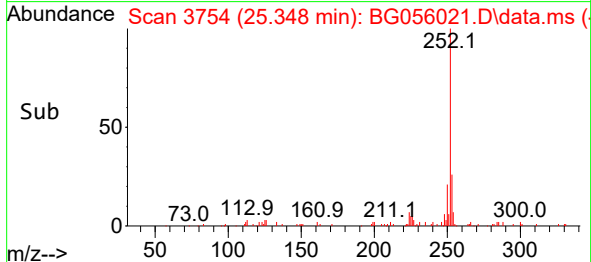
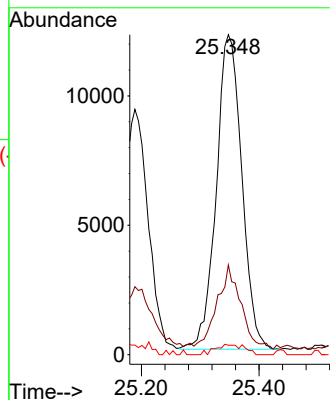
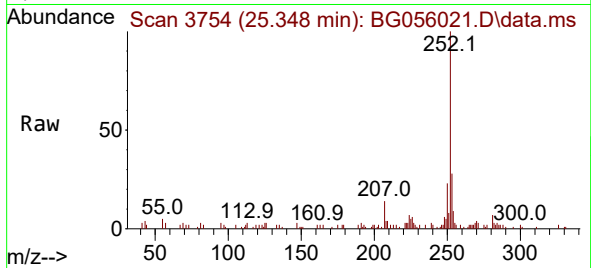




#90
Benzo(a)pyrene
Concen: 6.228 ng
RT: 25.348 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

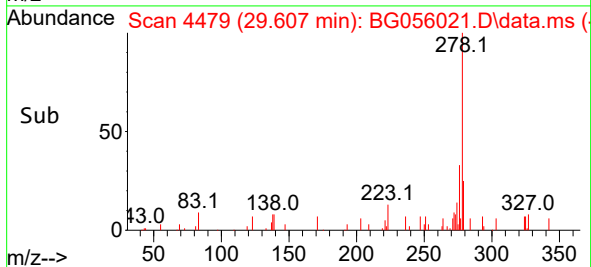
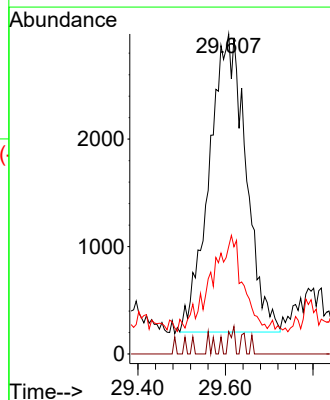
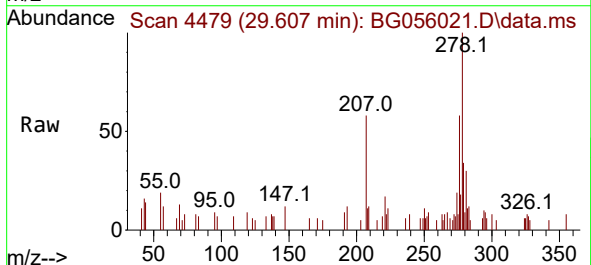
Instrument :
BNA_G
ClientSampleId :
VNJ-201

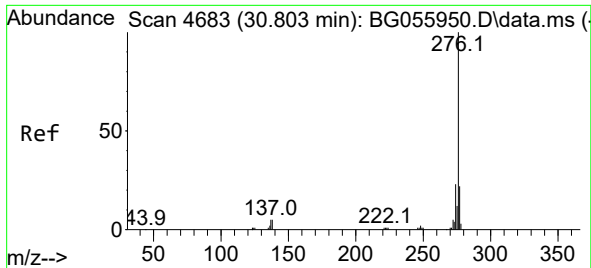
Tgt Ion:252 Resp: 36600
Ion Ratio Lower Upper
252 100
253 28.0 17.7 26.5#
125 3.0 1.9 2.9#



#91
Dibenzo(a,h)anthracene
Concen: 2.239 ng
RT: 29.607 min Scan# 4479
Delta R.T. -0.032 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:278 Resp: 16185
Ion Ratio Lower Upper
278 100
139 7.0 2.9 4.3#
279 33.6 20.0 30.0#





#92
 Benzo(g,h,i)perylene
 Concen: 5.606 ng
 RT: 30.800 min Scan# 4
 Delta R.T. -0.032 min
 Lab File: BG056021.D
 Acq: 19 Dec 2022 20:11

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-201

Tgt Ion:276 Resp: 39184
 Ion Ratio Lower Upper
 276 100
 277 25.4 17.8 26.6
 138 5.2 3.8 5.6

