

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
 Data File : BG056432.D
 Acq On : 25 Jan 2023 20:08
 Operator : CG/JU
 Sample : 01266-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219

Quant Time: Jan 26 01:13:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

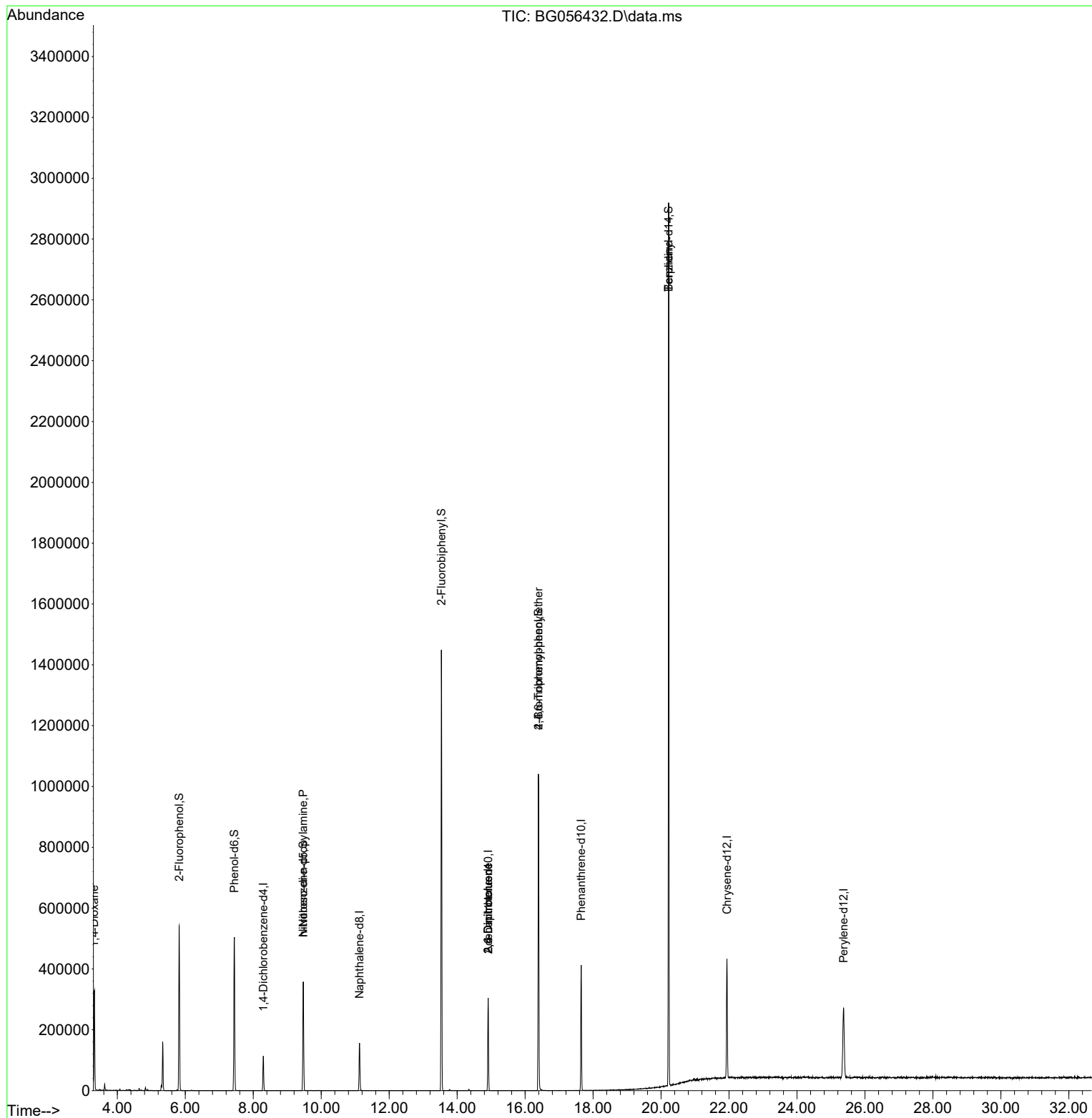
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	38621	20.000	ng	0.00
21) Naphthalene-d8	11.126	136	146733	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	117132	20.000	ng	0.00
64) Phenanthrene-d10	17.648	188	285473	20.000	ng	0.00
76) Chrysene-d12	21.937	240	263955	20.000	ng	# 0.00
86) Perylene-d12	25.368	264	282393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.820	112	316049	146.113	ng	0.00
7) Phenol-d6	7.442	99	399197	120.174	ng	0.00
23) Nitrobenzene-d5	9.469	82	253333	88.313	ng	0.00
42) 2,4,6-Tribromophenol	16.390	330	233565	157.446	ng	0.00
45) 2-Fluorobiphenyl	13.535	172	832870	98.189	ng	0.00
79) Terphenyl-d14	20.221	244	1583007	107.414	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	4106	4.156	ng	# 1
19) n-Nitroso-di-n-propyla...	9.469	70	31499	15.594	ng	# 75
51) 2,6-Dinitrotoluene	14.910	165	15714	7.799	ng	# 31
57) 2,4-Dinitrotoluene	14.910	165	15714	5.577	ng	# 28
67) 4-Bromophenyl-phenylether	16.390	248	18313	5.038	ng	# 1
77) Benzidine	20.221	184	21732	2.349	ng	# 93

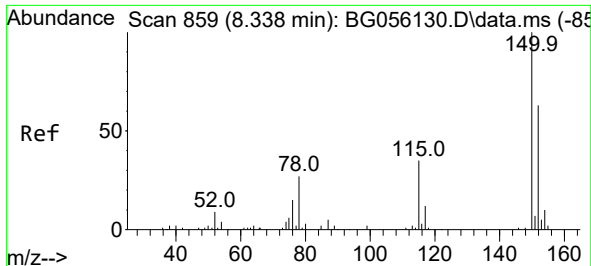
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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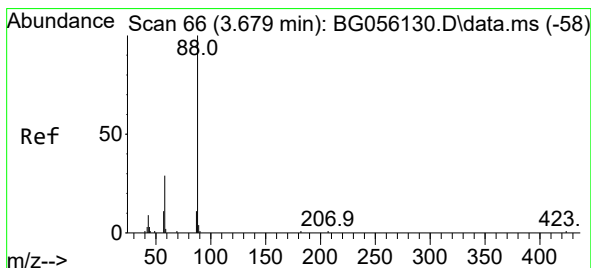
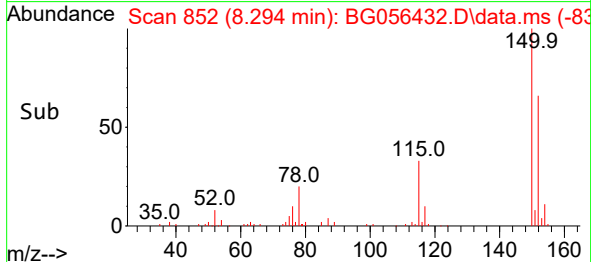
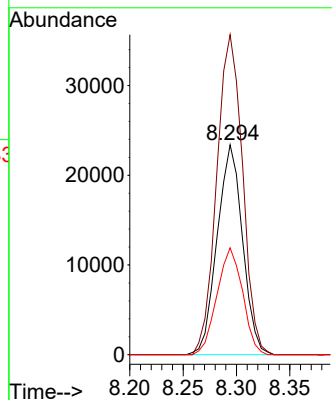
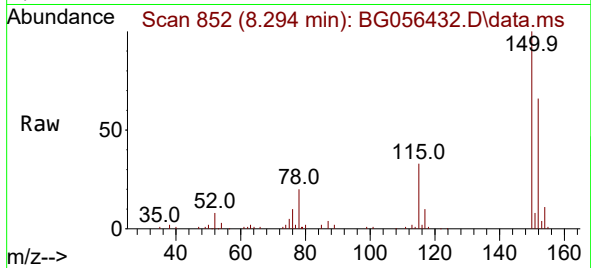




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.294 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

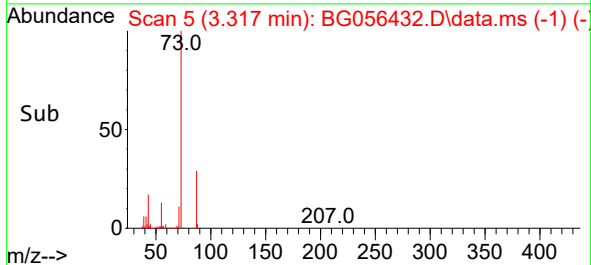
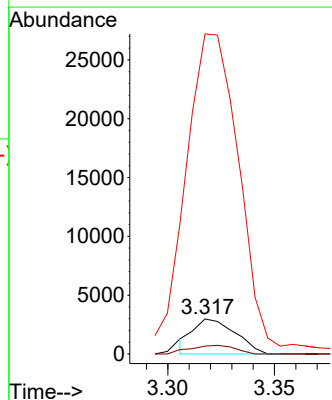
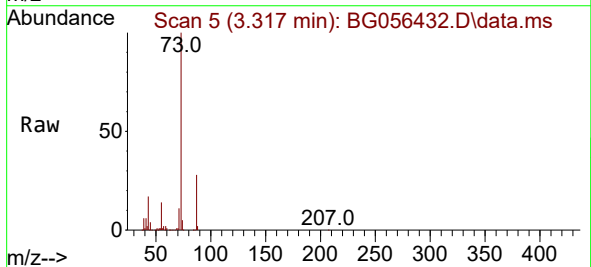
Instrument :
BNA_G
ClientSampleId :
VNJ-219

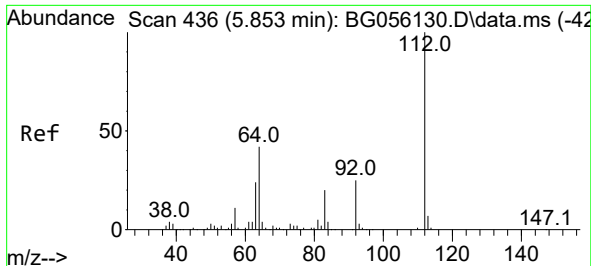
Tgt Ion:152 Resp: 38621
Ion Ratio Lower Upper
152 100
150 152.4 127.9 191.9
115 50.9 44.2 66.2



#2
1,4-Dioxane
Concen: 4.156 ng
RT: 3.317 min Scan# 5
Delta R.T. -0.299 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

Tgt Ion: 88 Resp: 4106
Ion Ratio Lower Upper
88 100
58 23.4 21.4 32.0
43 981.8 7.1 10.7#

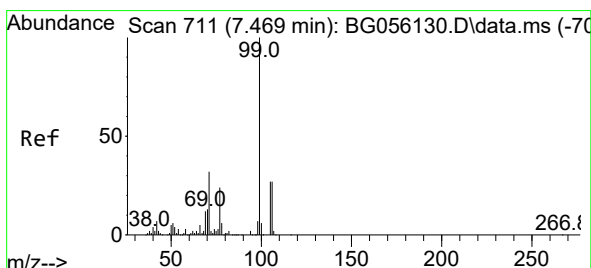
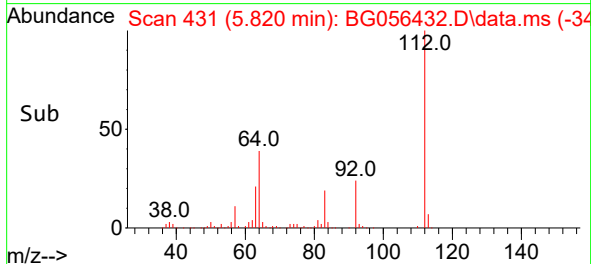
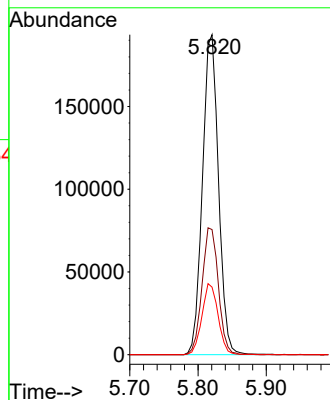
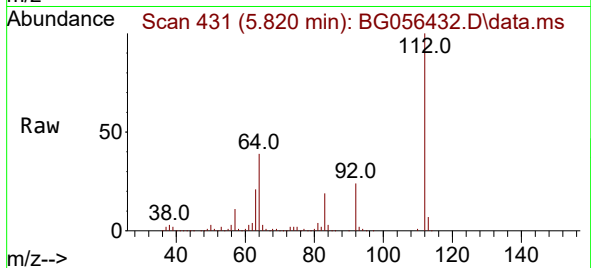




#5
2-Fluorophenol
Concen: 146.113 ng
RT: 5.820 min Scan# 41
Delta R.T. 0.007 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

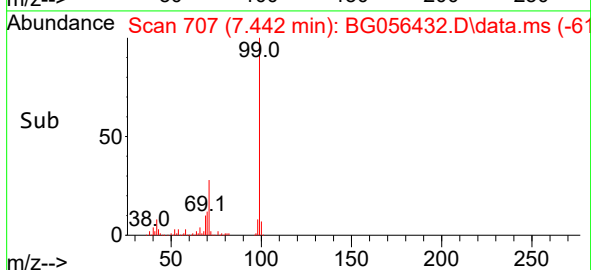
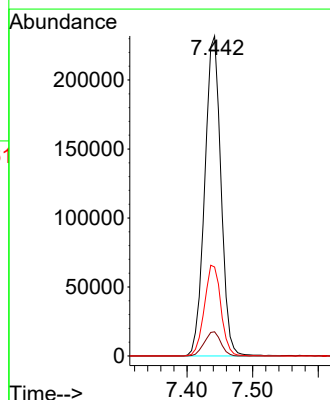
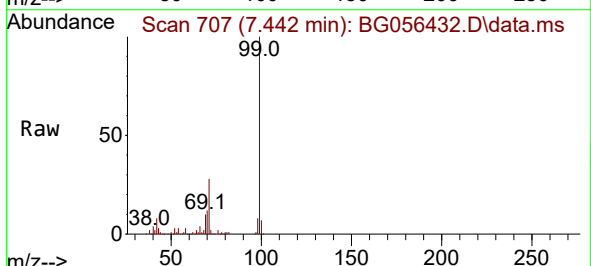
Instrument :
BNA_G
ClientSampleId :
VNJ-219

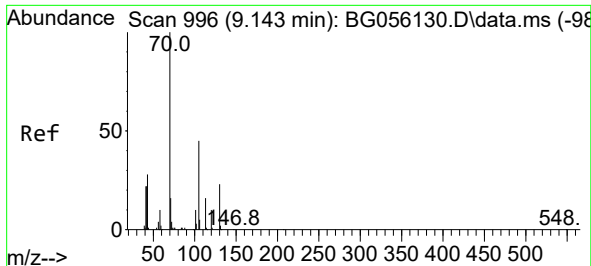
Tgt Ion:112 Resp: 316049
Ion Ratio Lower Upper
112 100
64 39.1 33.3 49.9
63 21.1 19.0 28.4



#7
Phenol-d6
Concen: 120.174 ng
RT: 7.442 min Scan# 707
Delta R.T. 0.007 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

Tgt Ion: 99 Resp: 399197
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 27.8 25.4 38.2

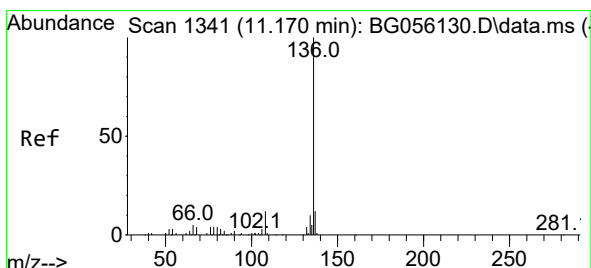
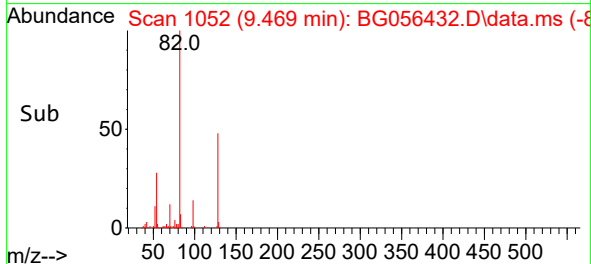
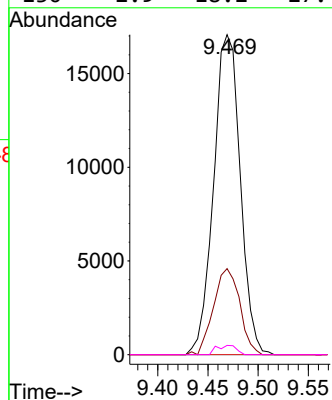
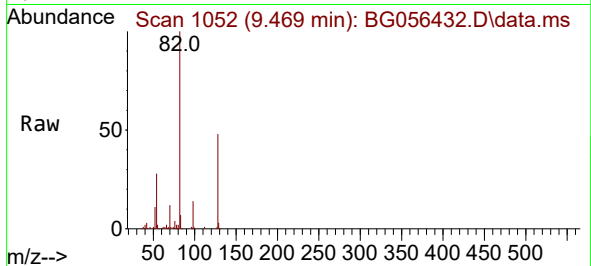




#19
n-Nitroso-di-n-propylamine
Concen: 15.594 ng
RT: 9.469 min Scan# 1052
Delta R.T. 0.371 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

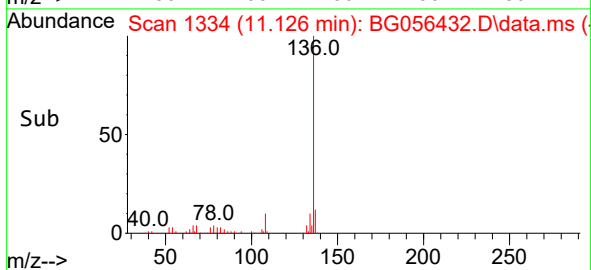
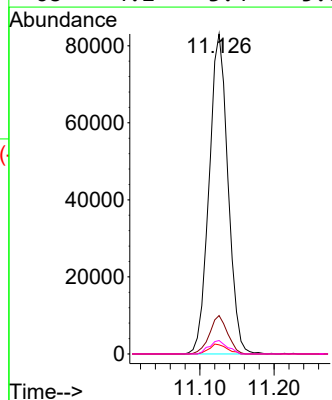
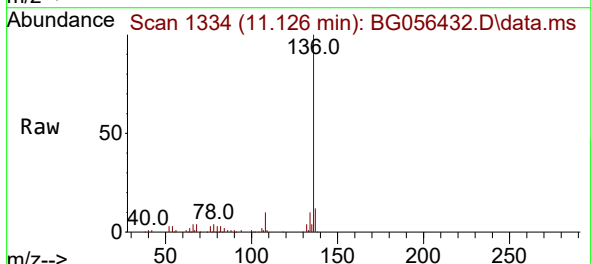
Instrument :
BNA_G
ClientSampleId :
VNJ-219

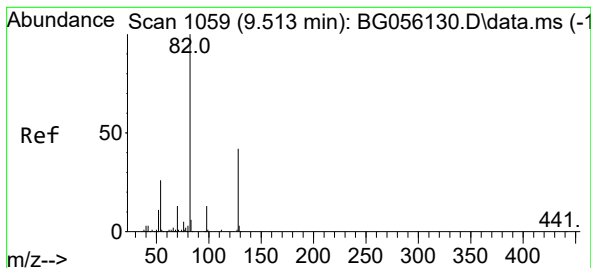
Tgt Ion:	70	Resp:	31499
Ion	Ratio	Lower	Upper
70	100		
42	26.9	18.2	27.2
101	0.0	8.3	12.5#
130	2.9	18.2	27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.126 min Scan# 1334
Delta R.T. -0.005 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

Tgt Ion:	136	Resp:	146733
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.0
54	2.8	2.2	3.2
68	4.2	3.4	5.0





#23

Nitrobenzene-d5

Concen: 88.313 ng

RT: 9.469 min Scan# 1052

Delta R.T. -0.005 min

Lab File: BG056432.D

Acq: 25 Jan 2023 20:08

Instrument :

BNA_G

ClientSampleId :

VNJ-219

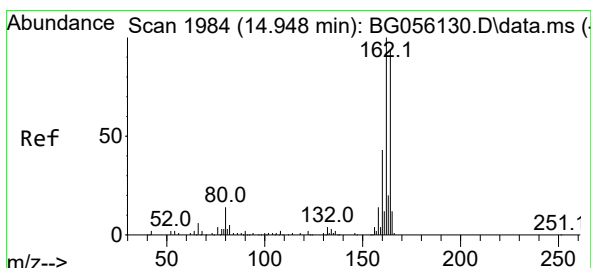
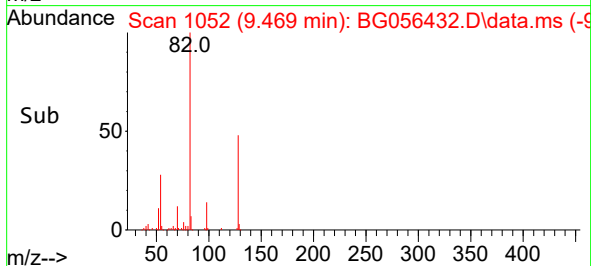
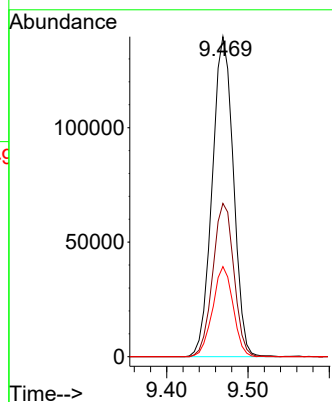
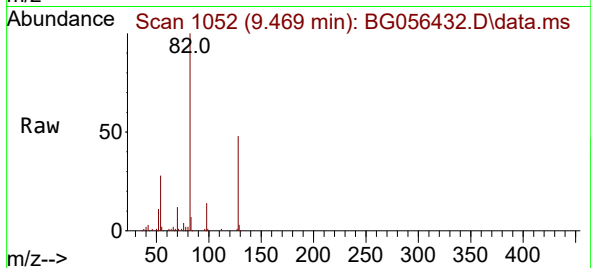
Tgt Ion: 82 Resp: 253333

Ion Ratio Lower Upper

82 100

128 47.9 33.4 50.2

54 28.1 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.910 min Scan# 1978

Delta R.T. -0.005 min

Lab File: BG056432.D

Acq: 25 Jan 2023 20:08

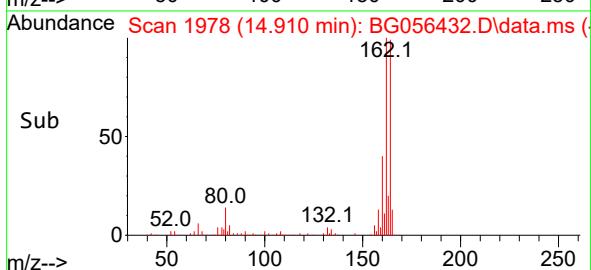
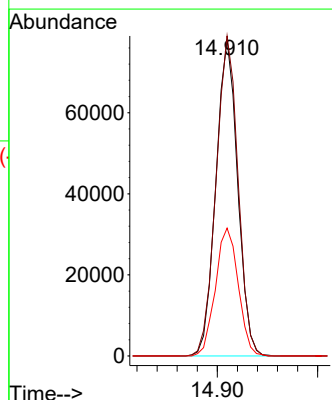
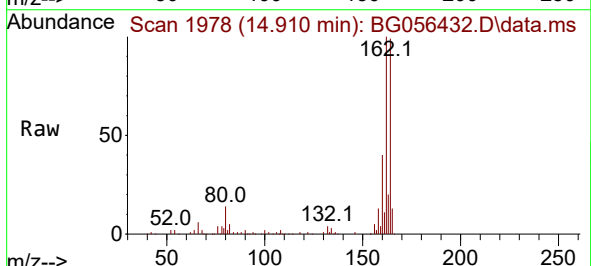
Tgt Ion: 164 Resp: 117132

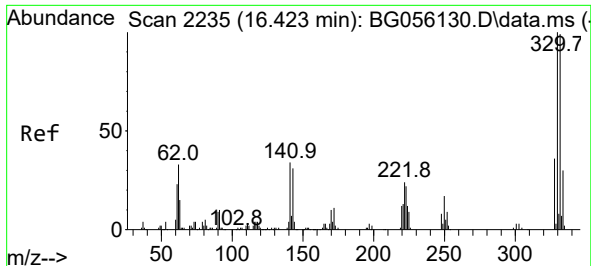
Ion Ratio Lower Upper

164 100

162 101.1 84.7 127.1

160 40.4 36.3 54.5

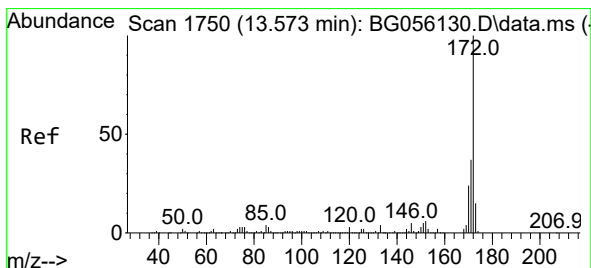
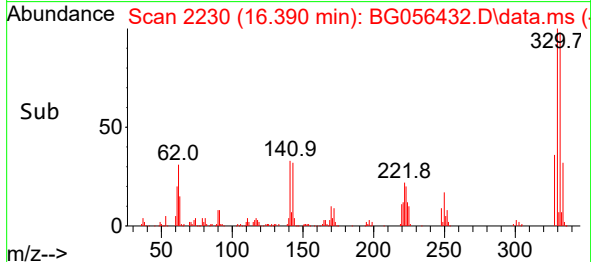
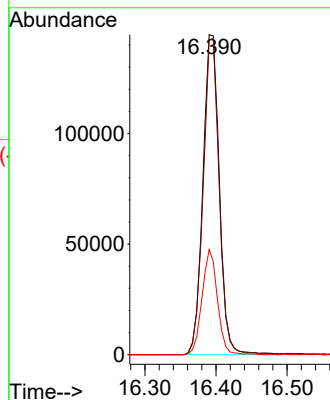
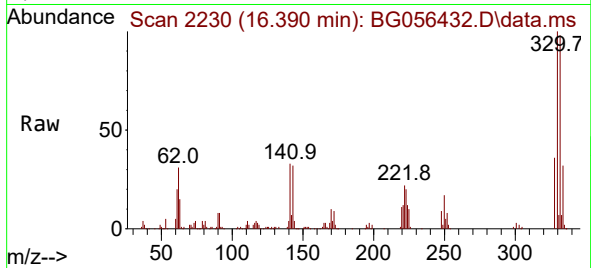




#42
2,4,6-Tribromophenol
Concen: 157.446 ng
RT: 16.390 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

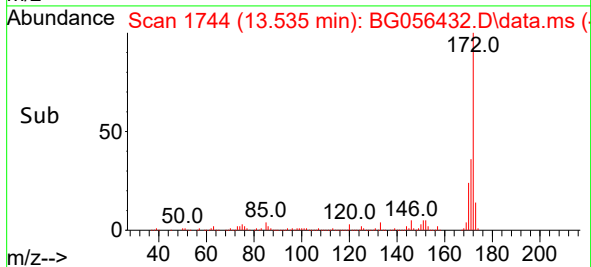
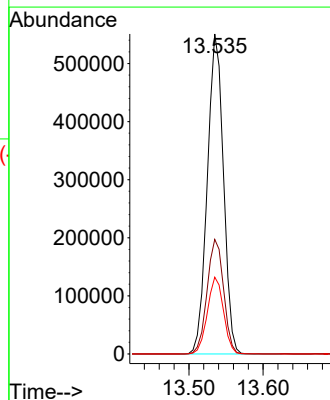
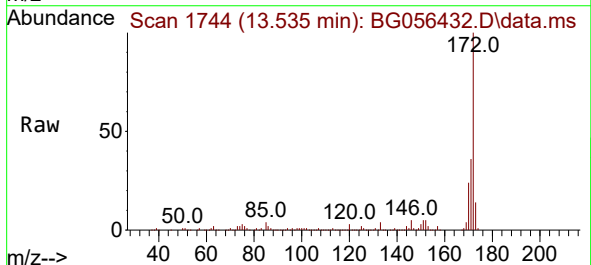
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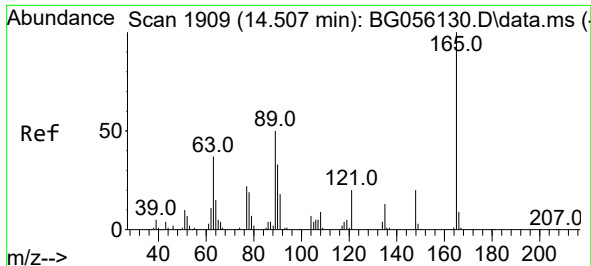
Tgt Ion:330 Resp: 233565
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 30.6 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 98.189 ng
RT: 13.535 min Scan# 1744
Delta R.T. -0.005 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

Tgt Ion:172 Resp: 832870
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.0 19.4 29.2

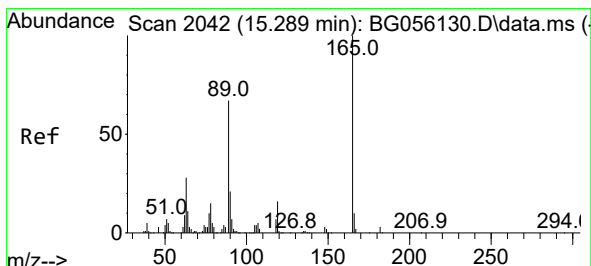
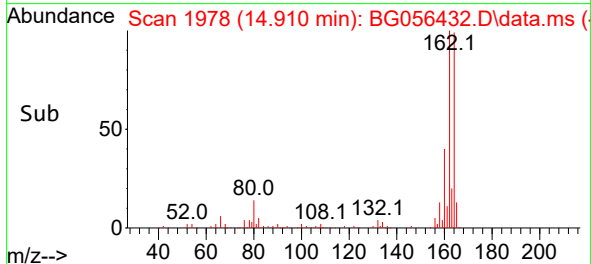
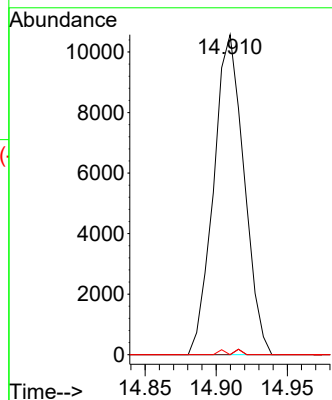
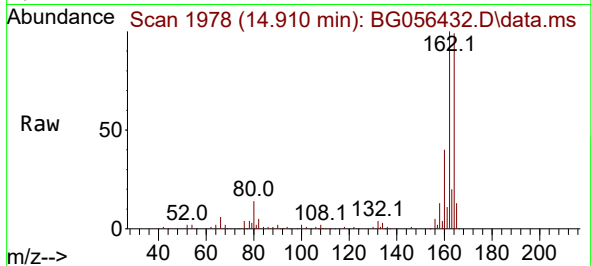




#51
2,6-Dinitrotoluene
Concen: 7.799 ng
RT: 14.910 min Scan# 1909
Delta R.T. 0.430 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

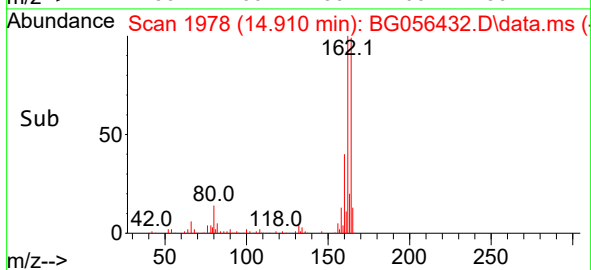
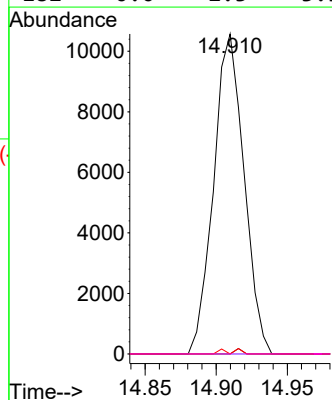
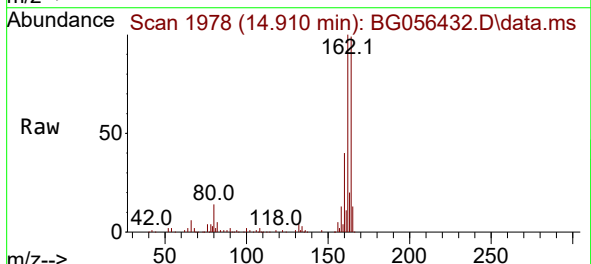
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VNJ-219

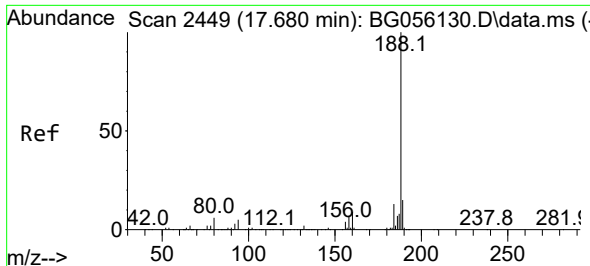
Tgt Ion:165 Resp: 15714
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 5.577 ng
RT: 14.910 min Scan# 1978
Delta R.T. -0.358 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

Tgt Ion:165 Resp: 15714
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 0.0 53.2 79.8#
182 0.0 2.3 3.5#

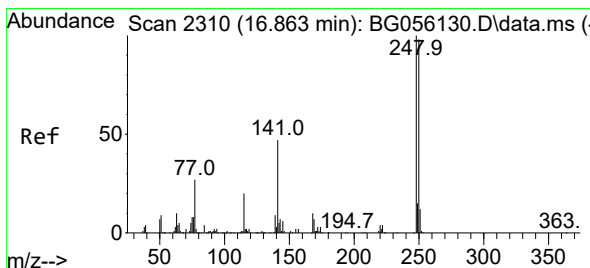
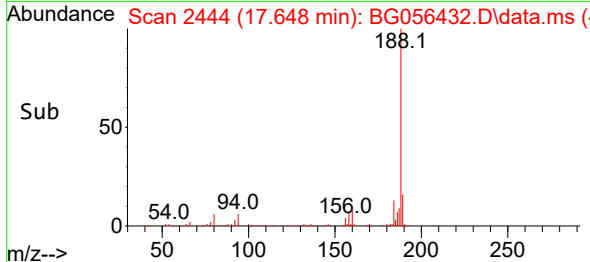
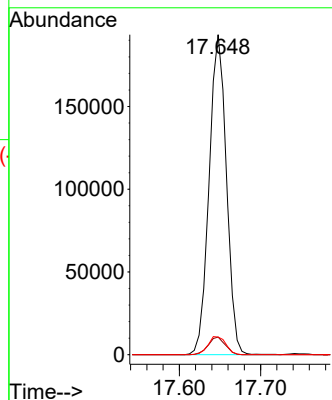
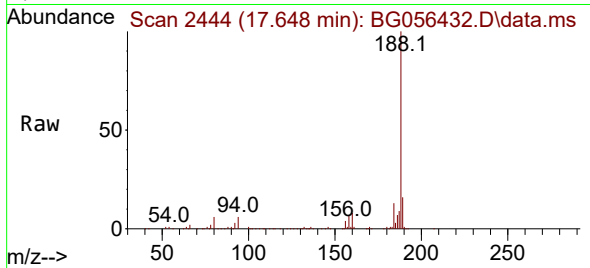




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

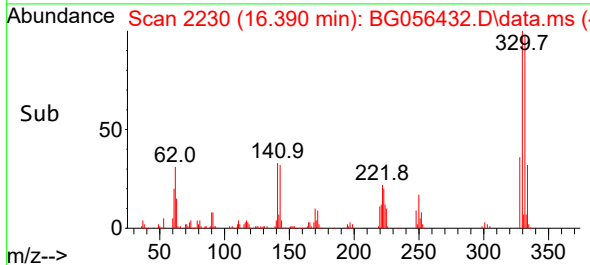
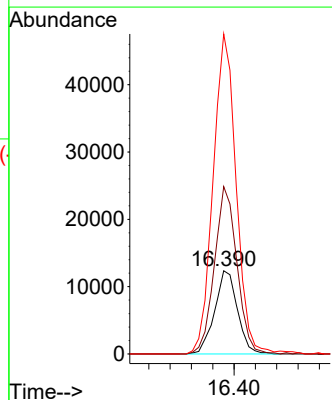
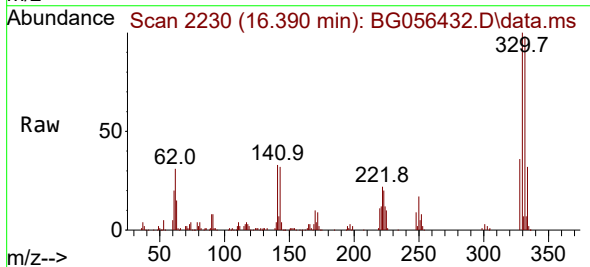
Instrument :
BNA_G
ClientSampleId :
VNJ-219

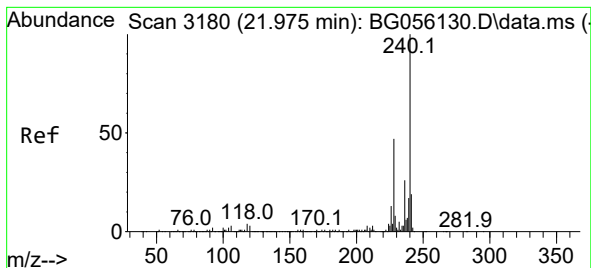
Tgt Ion:188 Resp: 285473
Ion Ratio Lower Upper
188 100
94 5.5 4.2 6.2
80 5.5 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 5.038 ng
RT: 16.390 min Scan# 2230
Delta R.T. -0.440 min
Lab File: BG056432.D
Acq: 25 Jan 2023 20:08

Tgt Ion:248 Resp: 18313
Ion Ratio Lower Upper
248 100
250 201.0 78.2 117.4#
141 384.2 37.6 56.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.937 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056432.D

Acq: 25 Jan 2023 20:08

Instrument :

BNA_G

ClientSampleId :

VNJ-219

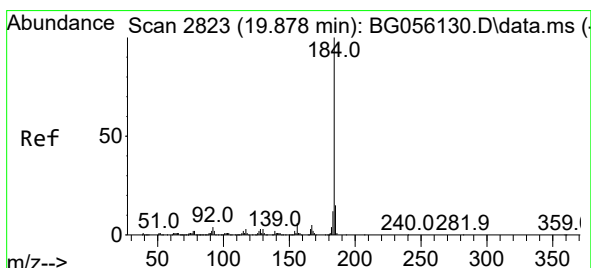
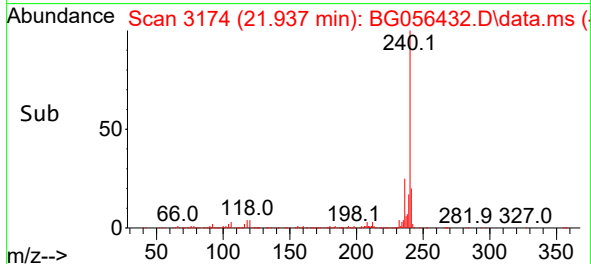
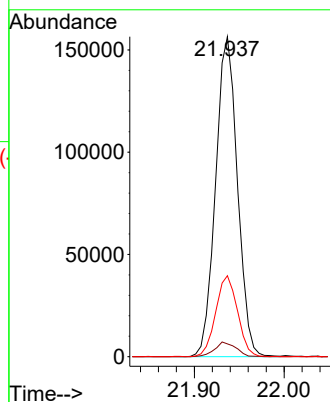
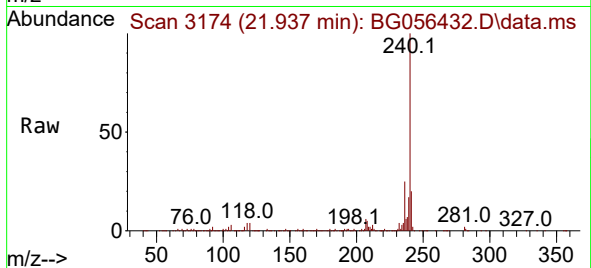
Tgt Ion:240 Resp: 263955

Ion Ratio Lower Upper

240 100

120 4.0 2.6 4.0#

236 25.3 20.8 31.2



#77

Benzidine

Concen: 2.349 ng

RT: 20.221 min Scan# 2882

Delta R.T. 0.371 min

Lab File: BG056432.D

Acq: 25 Jan 2023 20:08

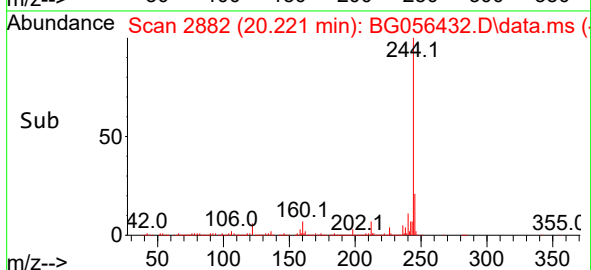
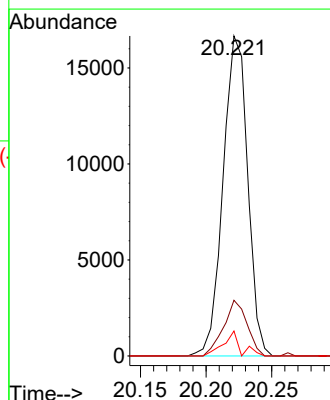
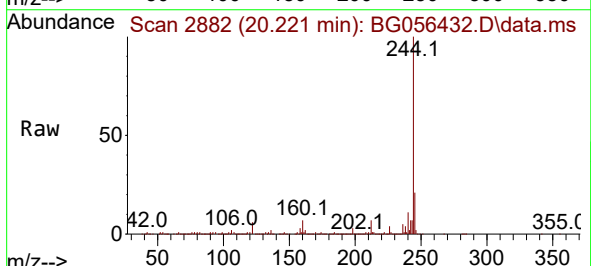
Tgt Ion:184 Resp: 21732

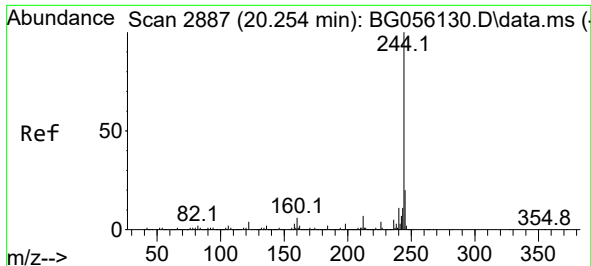
Ion Ratio Lower Upper

184 100

185 17.4 12.2 18.2

183 7.8 9.4 14.0#

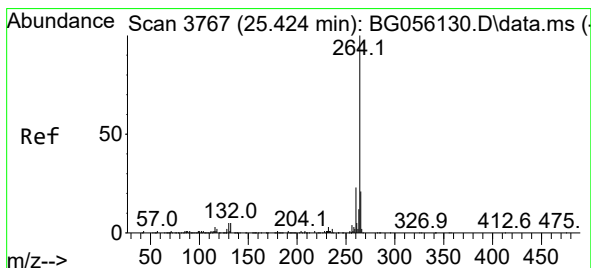
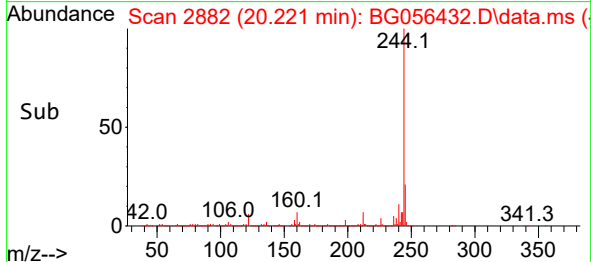
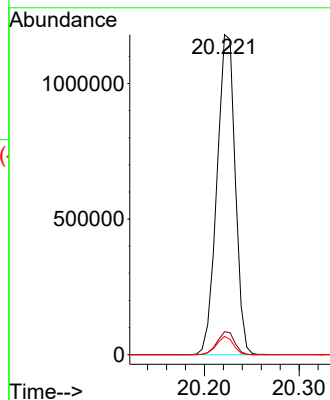
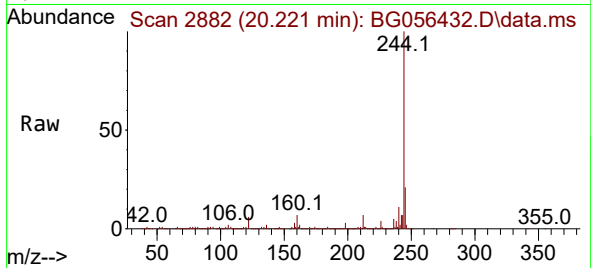




#79
 Terphenyl-d14
 Concen: 107.414 ng
 RT: 20.221 min Scan# 2882
 Delta R.T. -0.005 min
 Lab File: BG056432.D
 Acq: 25 Jan 2023 20:08

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219

Tgt Ion:244 Resp: 1583007
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.7 3.5 5.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.368 min Scan# 3758
 Delta R.T. -0.005 min
 Lab File: BG056432.D
 Acq: 25 Jan 2023 20:08

Tgt Ion:264 Resp: 282393
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.6 28.0
 265 22.7 16.7 25.1

