

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040324\
 Data File : BG060767.D
 Acq On : 3 Apr 2024 18:12
 Operator : MA/JU
 Sample : P1958-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-207

Quant Time: Apr 03 19:00:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

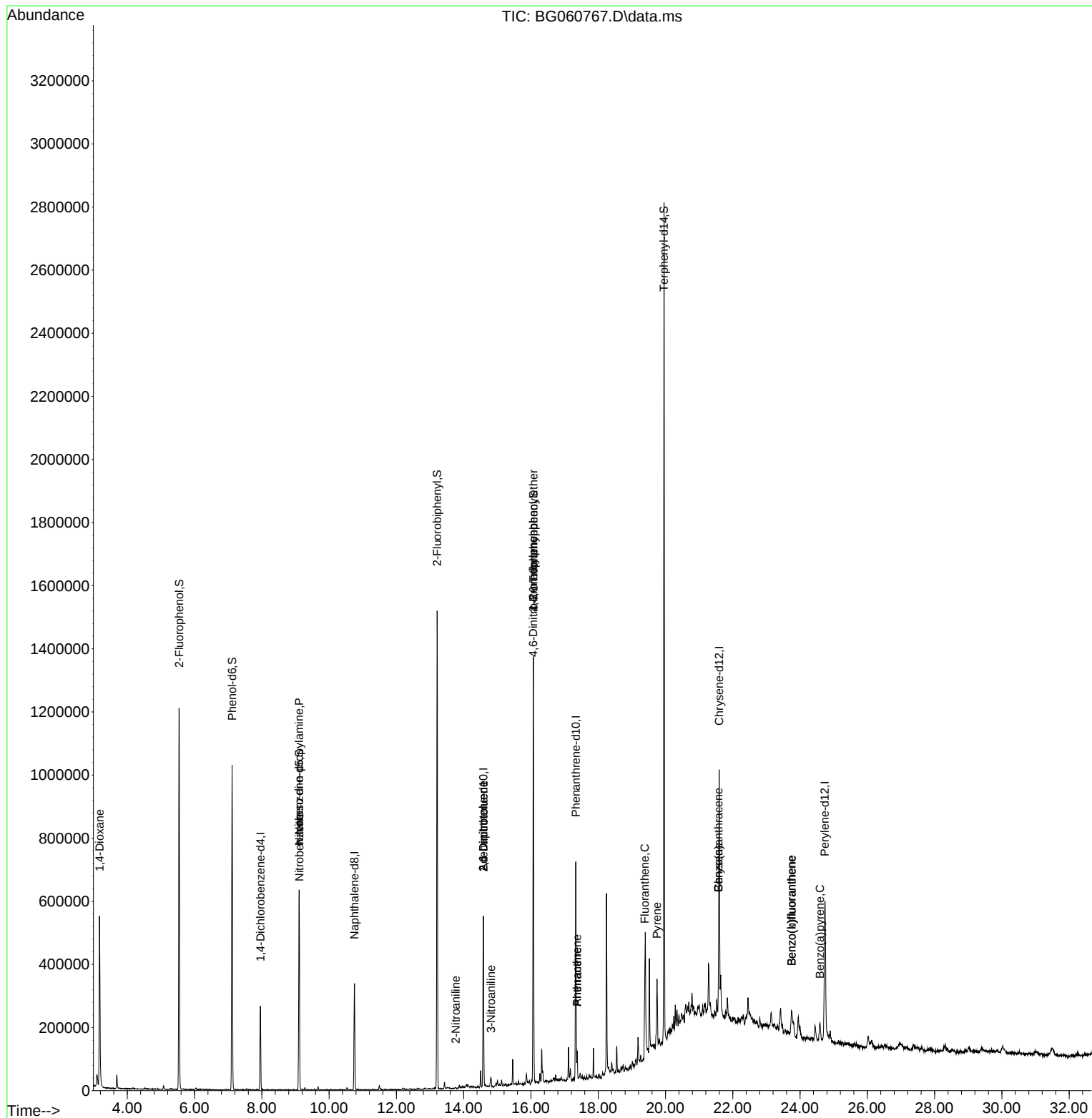
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	67924	20.000	ng	0.00
21) Naphthalene-d8	10.755	136	270297	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	191104	20.000	ng	0.00
64) Phenanthrene-d10	17.335	188	456399	20.000	ng	0.00
76) Chrysene-d12	21.595	240	428864	20.000	ng	0.00
86) Perylene-d12	24.739	264	514440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.543	112	476084	116.763	ng	0.00
7) Phenol-d6	7.118	99	520260	85.960	ng	0.00
23) Nitrobenzene-d5	9.110	82	337033	71.150	ng	0.00
42) 2,4,6-Tribromophenol	16.072	330	256822	118.387	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	769404	59.088	ng	0.00
79) Terphenyl-d14	19.956	244	1340346	55.032	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.176	88	5233	3.130	ng	# 1
19) n-Nitroso-di-n-propyla...	9.110	70	47143	10.214	ng	# 72
24) Nitrobenzene	9.116	77	1126	2.974	ng	# 33
48) 2-Nitroaniline	13.769	65	63	2.811	ng	# 11
51) 2,6-Dinitrotoluene	14.586	165	25657	12.290	ng	# 18
53) 3-Nitroaniline	14.815	138	211	2.918	ng	# 1
57) 2,4-Dinitrotoluene	14.586	165	25657	10.331	ng	# 19
65) 4,6-Dinitro-2-methylph...	16.066	198	841	7.415	ng	# 1
67) 4-Bromophenyl-phenylether	16.072	248	17485	3.775	ng	# 1
71) Phenanthrene	17.371	178	55217	2.326	ng	99
72) Anthracene	17.371	178	55217	2.291	ng	99
75) Fluoranthene	19.386	202	141279	4.905	ng	99
78) Pyrene	19.744	202	133623	4.455	ng	99
81) Benzo(a)anthracene	21.578	228	64681	2.140	ng	96
83) Chrysene	21.578	228	64681	2.220	ng	100
88) Benzo(b)fluoranthene	23.746	252	102753	3.477	ng	# 93
89) Benzo(k)fluoranthene	23.746	252	102753	3.397	ng	# 93
90) Benzo(a)pyrene	24.592	252	59299	2.065	ng	# 91

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

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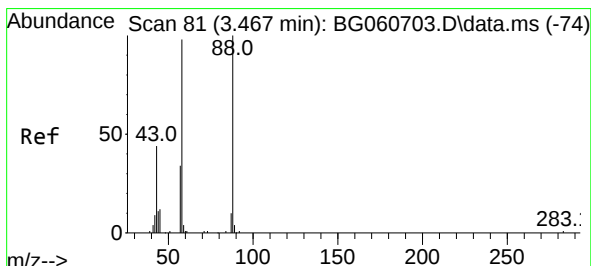
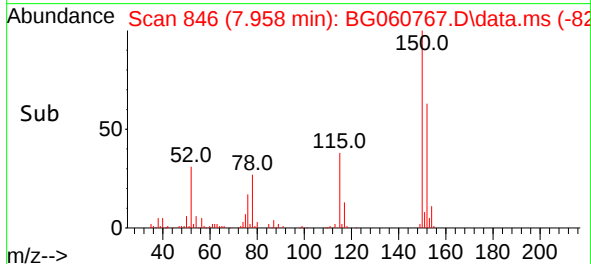
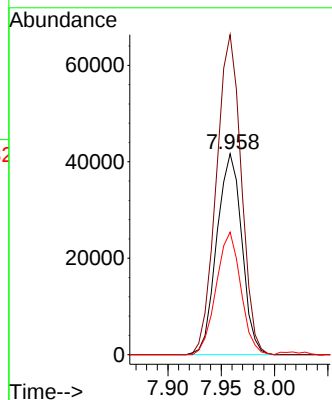
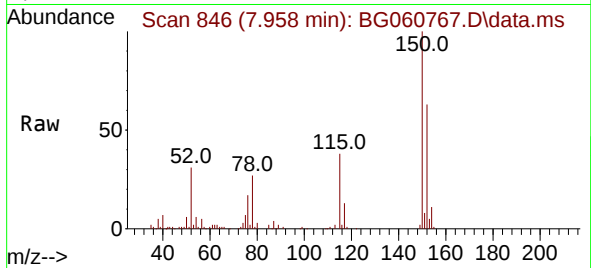




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

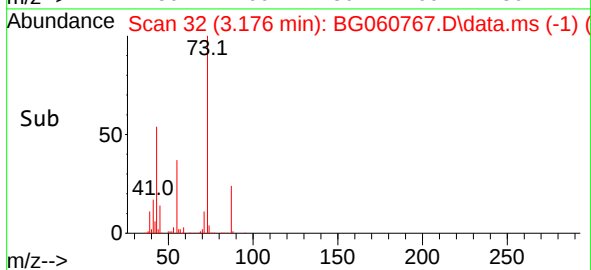
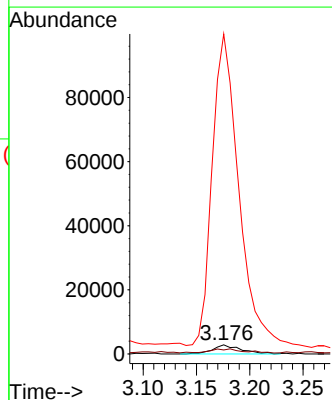
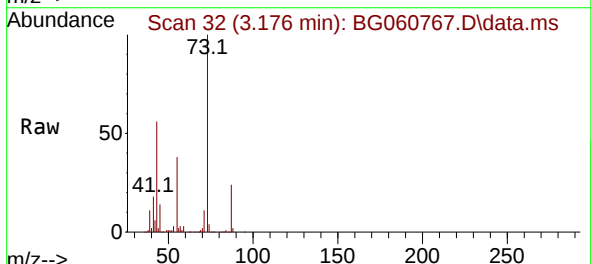
Instrument :
BNA_G
ClientSampleId :
VNJ-207

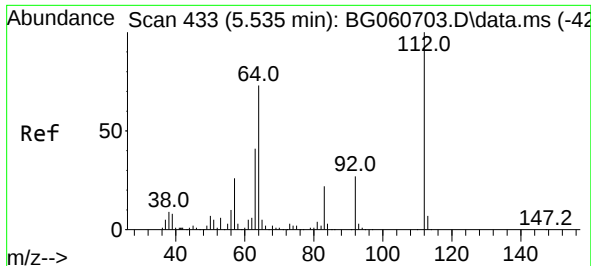
Tgt Ion:152 Resp: 67924
Ion Ratio Lower Upper
152 100
150 159.2 130.2 195.4
115 61.0 51.6 77.4



#2
1,4-Dioxane
Concen: 3.130 ng
RT: 3.176 min Scan# 32
Delta R.T. -0.291 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion: 88 Resp: 5233
Ion Ratio Lower Upper
88 100
58 50.6 80.9 121.3#
43 3272.6 35.4 53.0#

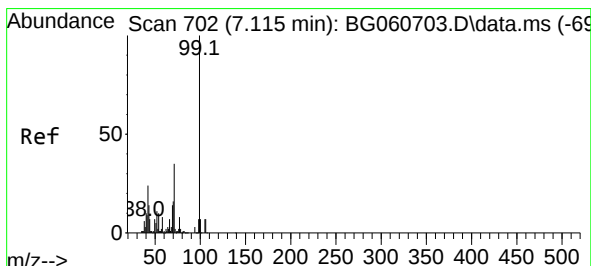
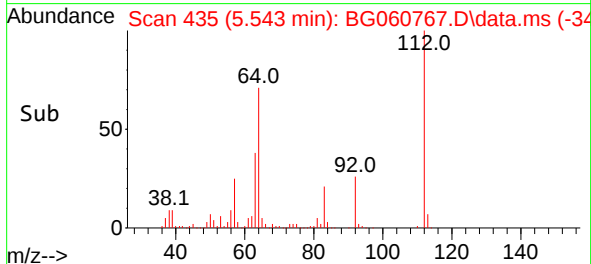
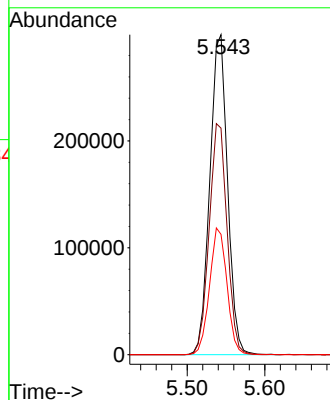
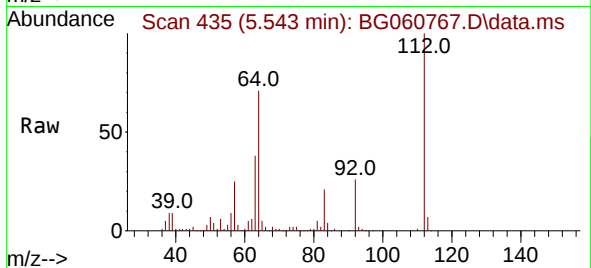




#5
2-Fluorophenol
Concen: 116.763 ng
RT: 5.543 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

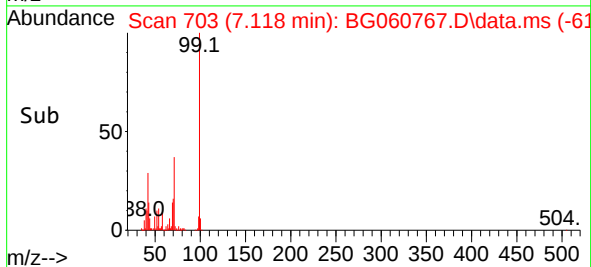
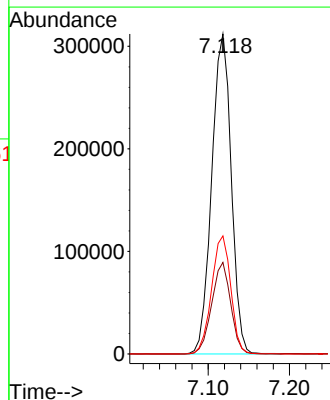
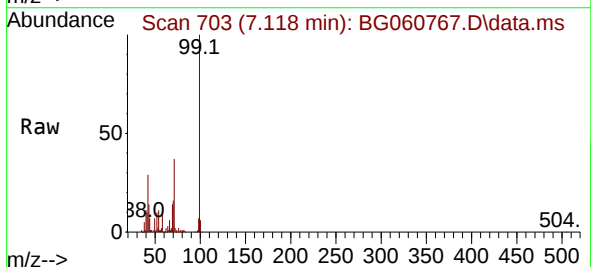
Instrument :
BNA_G
ClientSampleId :
VNJ-207

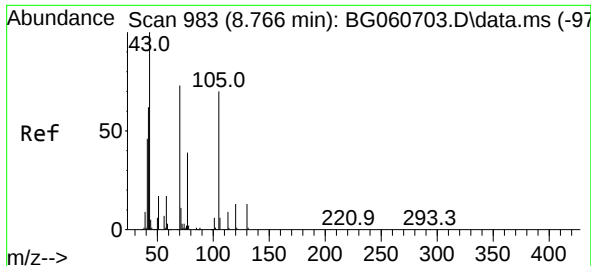
Tgt Ion:112 Resp: 476084
Ion Ratio Lower Upper
112 100
64 70.8 58.4 87.6
63 37.6 32.7 49.1



#7
Phenol-d6
Concen: 85.960 ng
RT: 7.118 min Scan# 703
Delta R.T. 0.003 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion: 99 Resp: 520260
Ion Ratio Lower Upper
99 100
42 28.6 19.4 29.2
71 36.9 28.2 42.2

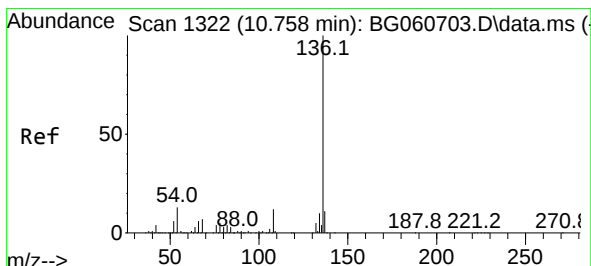
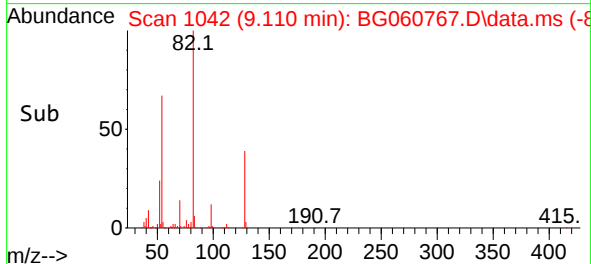
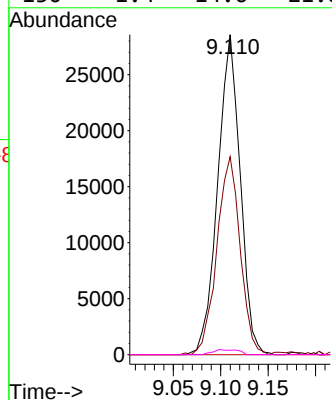
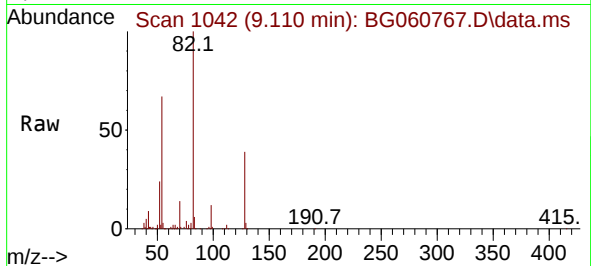




#19
n-Nitroso-di-n-propylamine
Concen: 10.214 ng
RT: 9.110 min Scan# 1042
Delta R.T. 0.344 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

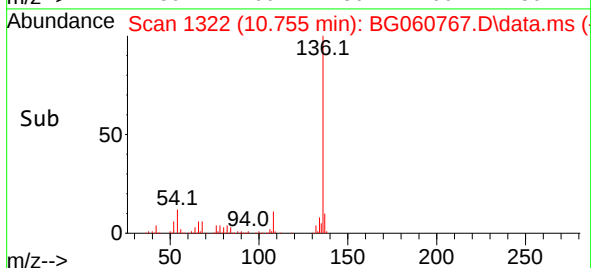
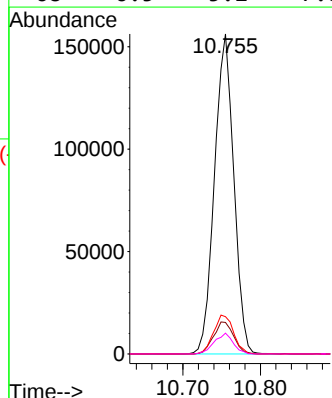
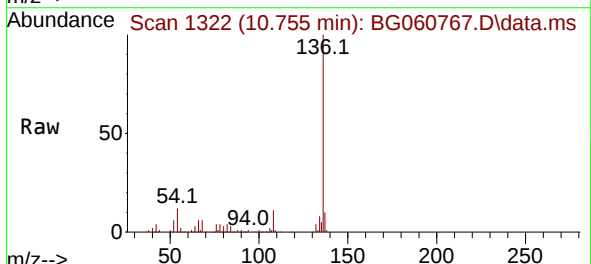
Instrument :
BNA_G
ClientSampleId :
VNJ-207

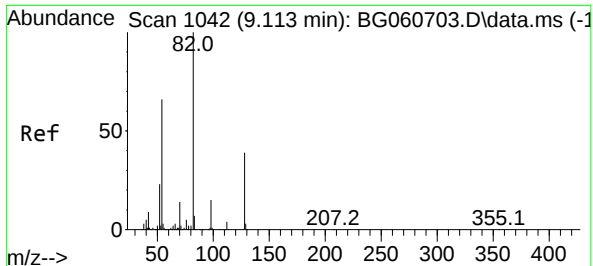
Tgt Ion: 70 Resp: 47143
Ion Ratio Lower Upper
70 100
42 61.8 68.4 102.6#
101 0.0 6.1 9.1#
130 1.4 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.755 min Scan# 1322
Delta R.T. -0.003 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion:136 Resp: 270297
Ion Ratio Lower Upper
136 100
137 9.8 8.8 13.2
54 11.6 10.2 15.2
68 6.5 5.2 7.8





#23

Nitrobenzene-d5

Concen: 71.150 ng

RT: 9.110 min Scan# 1042

Delta R.T. -0.003 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

Instrument :

BNA_G

ClientSampleId :

VNJ-207

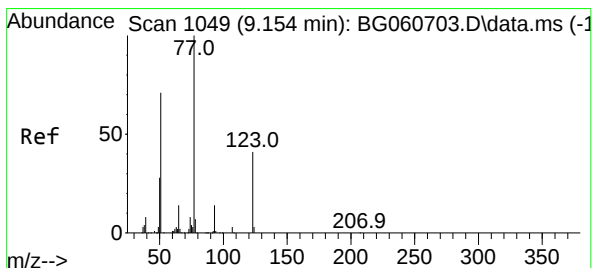
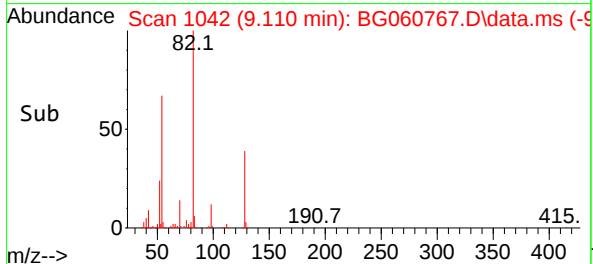
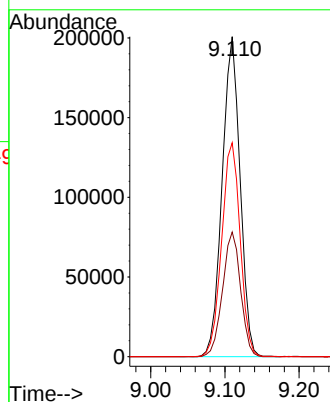
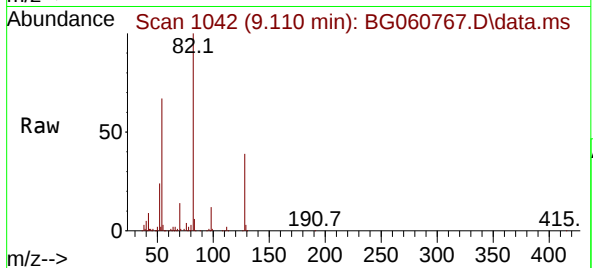
Tgt Ion: 82 Resp: 337033

Ion Ratio Lower Upper

82 100

128 39.0 31.2 46.8

54 66.8 53.2 79.8



#24

Nitrobenzene

Concen: 2.974 ng

RT: 9.116 min Scan# 1043

Delta R.T. -0.038 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

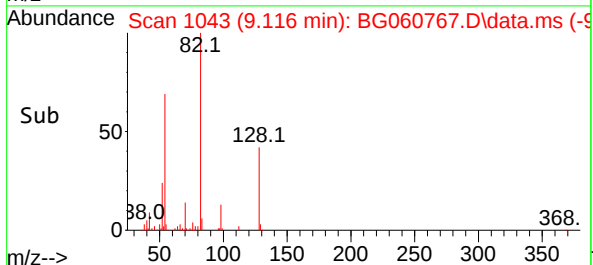
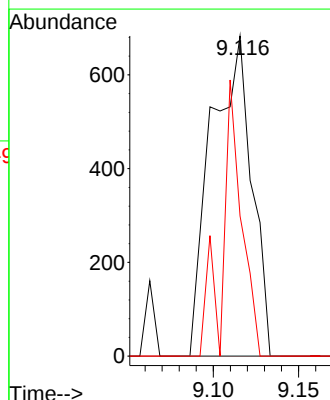
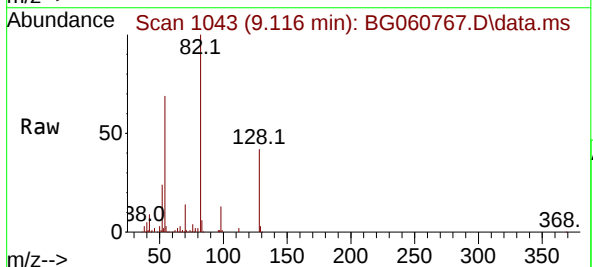
Tgt Ion: 77 Resp: 1126

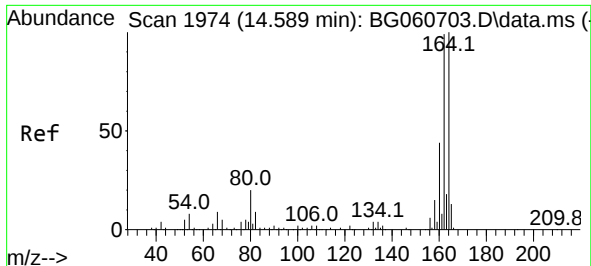
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 43.8 11.3 16.9#

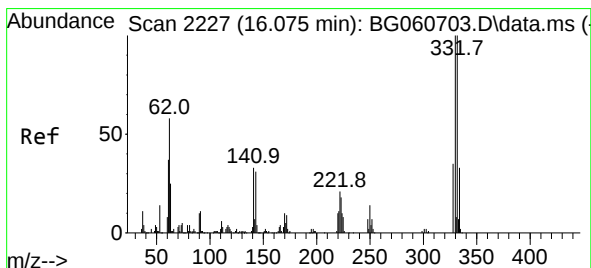
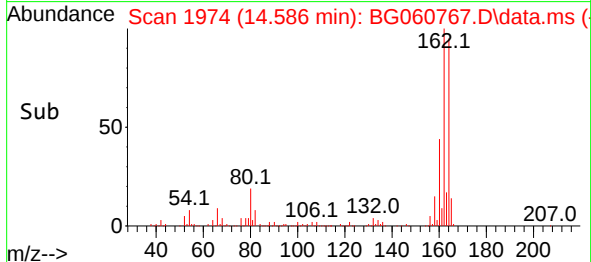
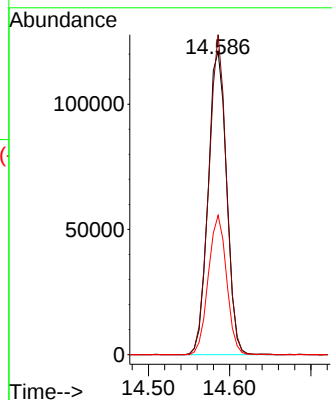
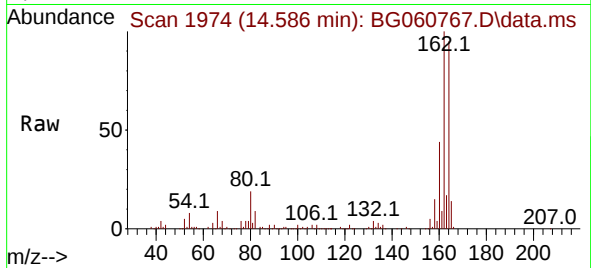




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

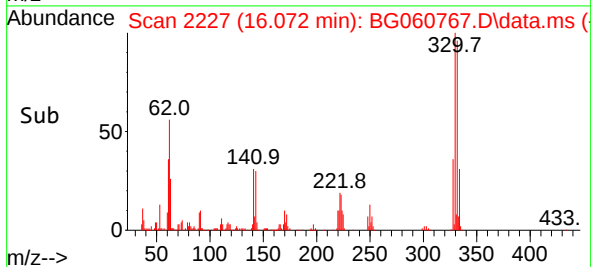
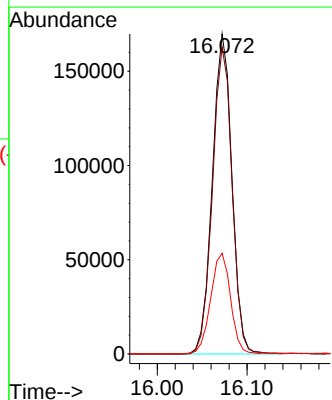
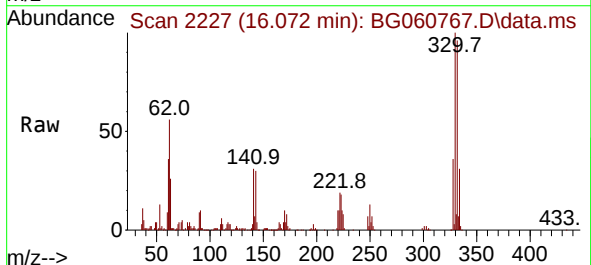
Instrument :
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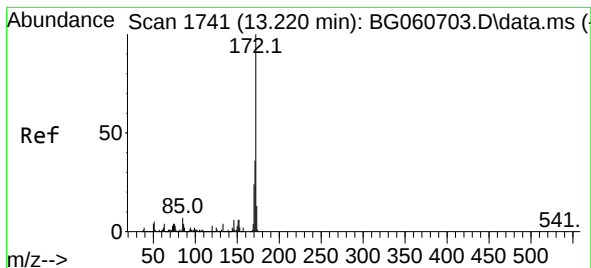
Tgt Ion:164 Resp: 191104
Ion Ratio Lower Upper
164 100
162 105.5 79.5 119.3
160 46.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 118.387 ng
RT: 16.072 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion:330 Resp: 256822
Ion Ratio Lower Upper
330 100
332 96.1 78.2 117.4
141 32.3 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 59.088 ng

RT: 13.211 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

Instrument :

BNA_G

ClientSampleId :

VNJ-207

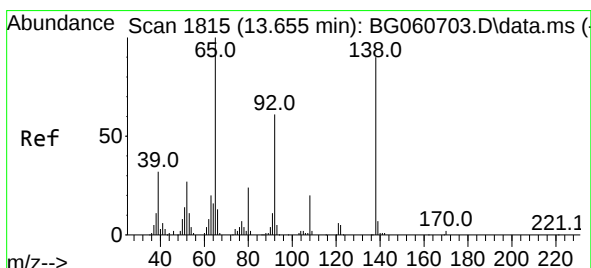
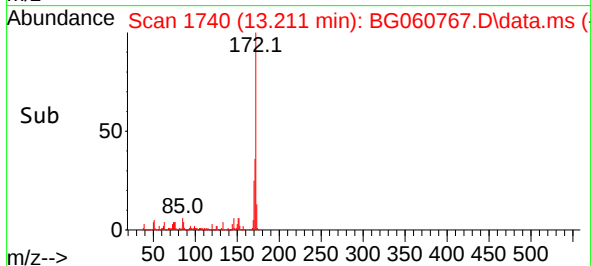
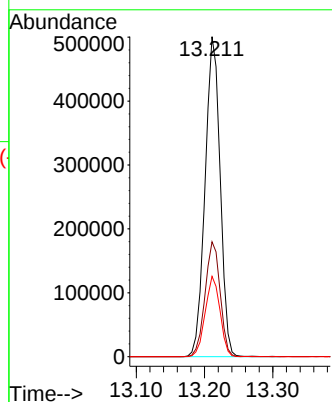
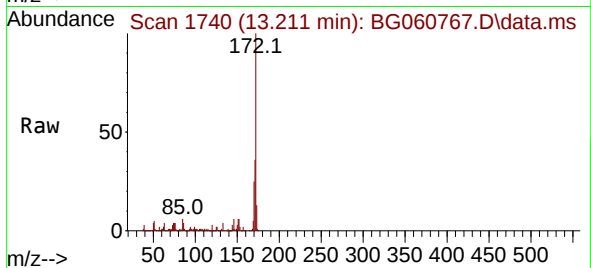
Tgt Ion:172 Resp: 769404

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 25.1 19.4 29.0



#48

2-Nitroaniline

Concen: 2.811 ng

RT: 13.769 min Scan# 1835

Delta R.T. 0.114 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

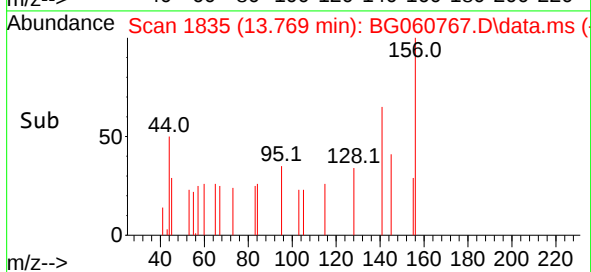
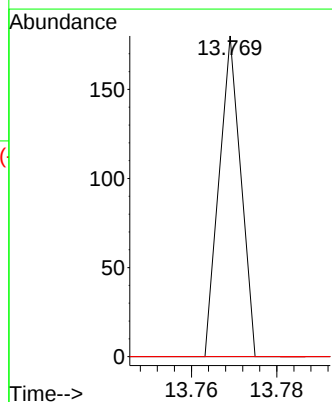
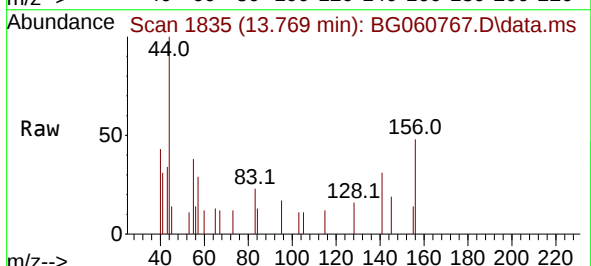
Tgt Ion: 65 Resp: 63

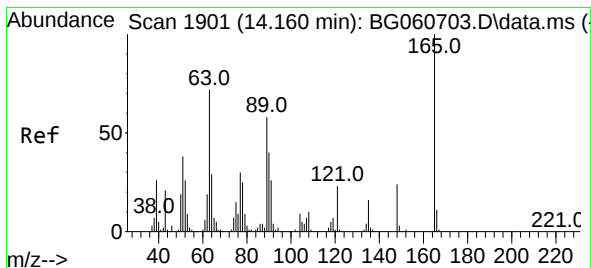
Ion Ratio Lower Upper

65 100

92 0.0 48.6 72.8#

138 0.0 72.2 108.4#

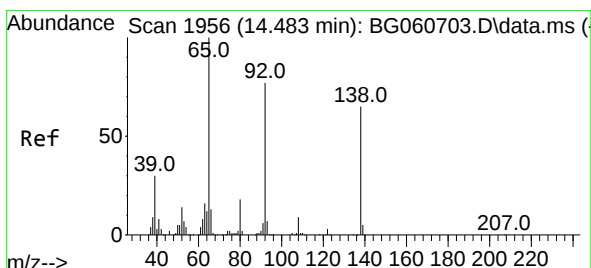
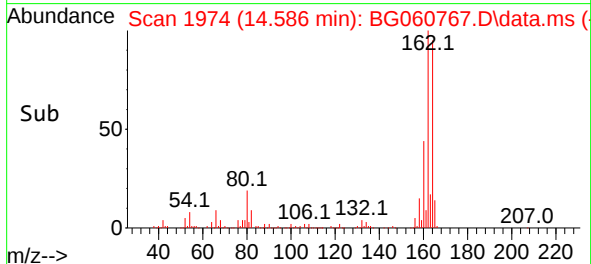
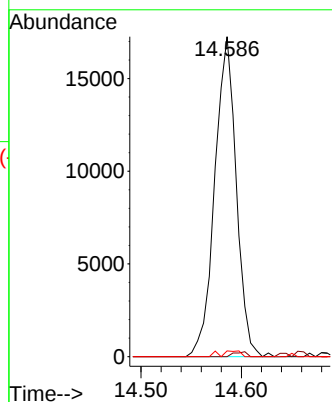
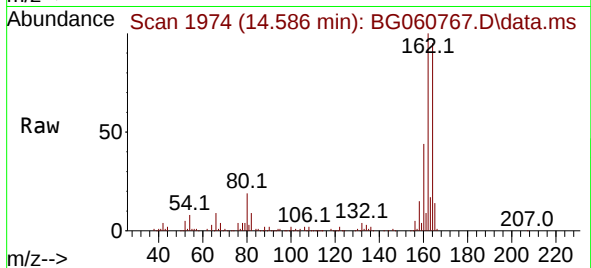




#51
2,6-Dinitrotoluene
Concen: 12.290 ng
RT: 14.586 min Scan# 1901
Delta R.T. 0.426 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

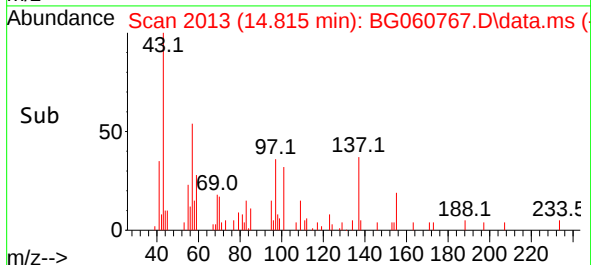
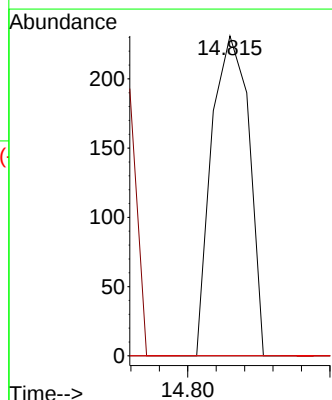
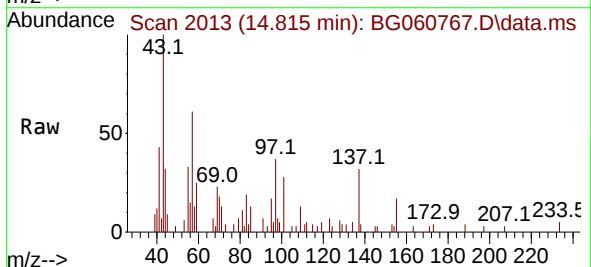
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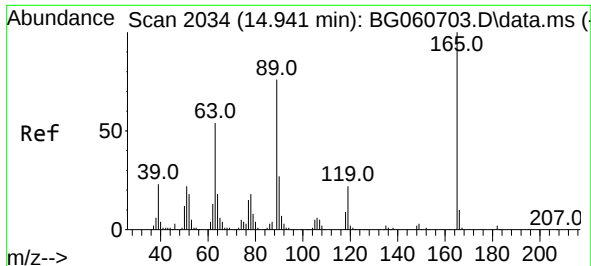
Tgt Ion:165 Resp: 25657
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.4#
89 1.8 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.918 ng
RT: 14.815 min Scan# 2013
Delta R.T. 0.332 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion:138 Resp: 211
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#





#57

2,4-Dinitrotoluene

Concen: 10.331 ng

RT: 14.586 min Scan# 1974

Delta R.T. -0.355 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

Instrument :

BNA_G

ClientSampleId :

VNJ-207

Tgt Ion:165 Resp: 25657

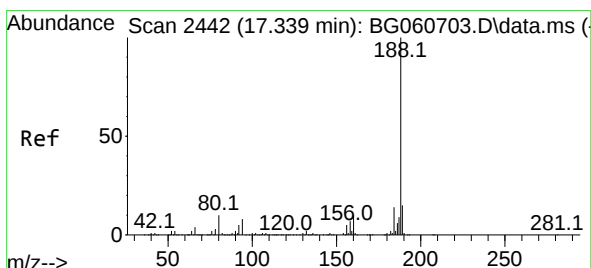
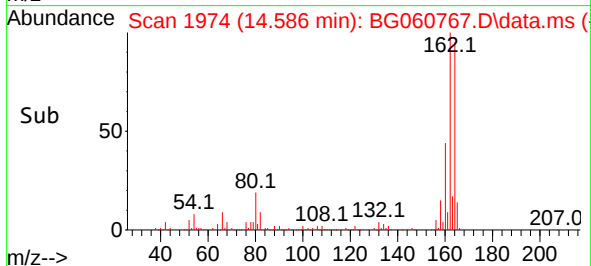
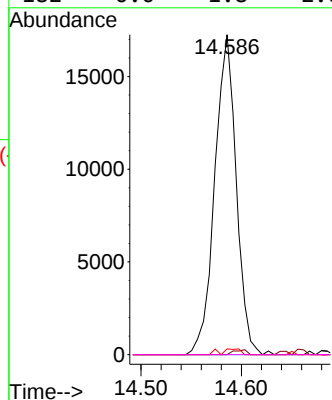
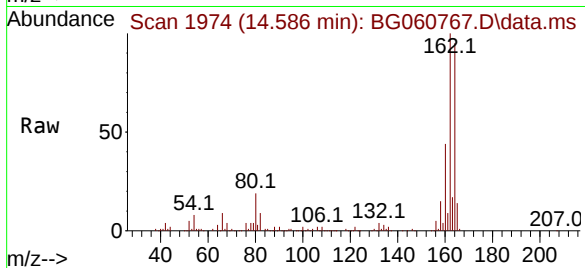
Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

89 1.8 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.335 min Scan# 2442

Delta R.T. -0.003 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

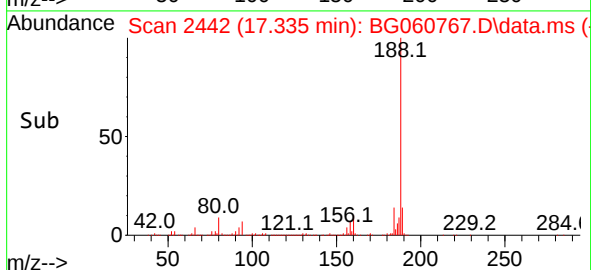
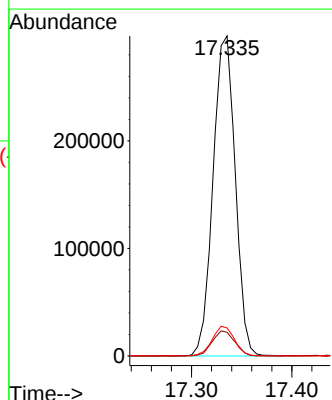
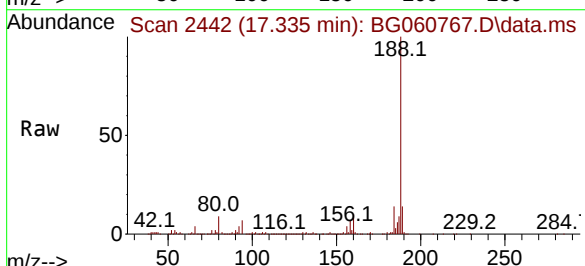
Tgt Ion:188 Resp: 456399

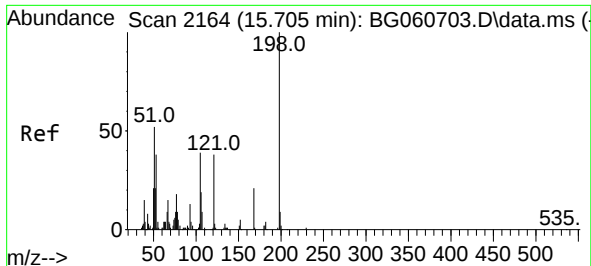
Ion Ratio Lower Upper

188 100

94 7.4 6.6 9.8

80 8.8 7.6 11.4

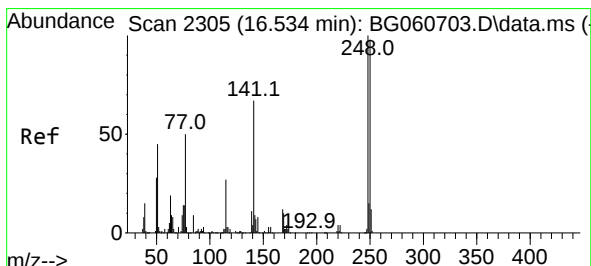
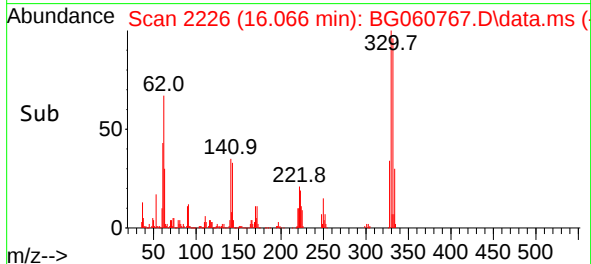
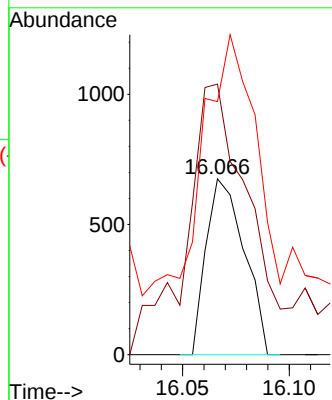
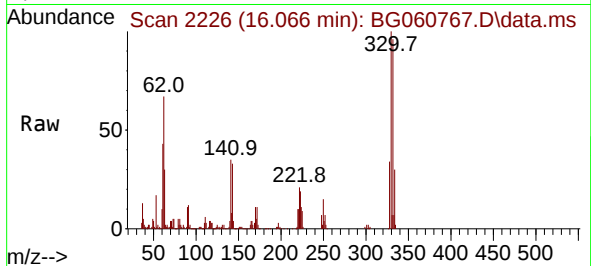




#65
4,6-Dinitro-2-methylphenol
Concen: 7.415 ng
RT: 16.066 min Scan# 2164
Delta R.T. 0.361 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

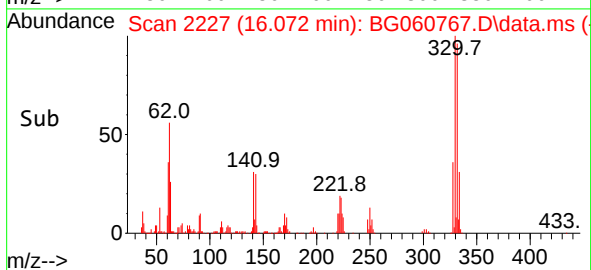
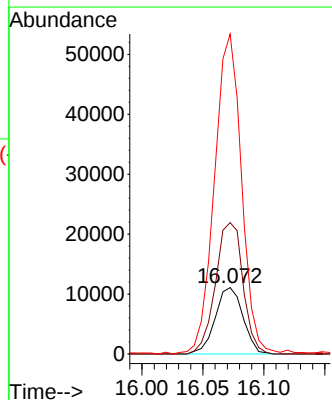
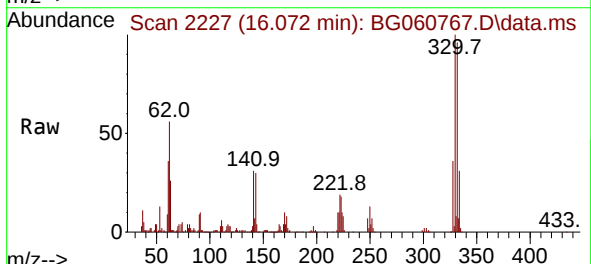
Instrument :
BNA_G
ClientSampleId :
VNJ-207

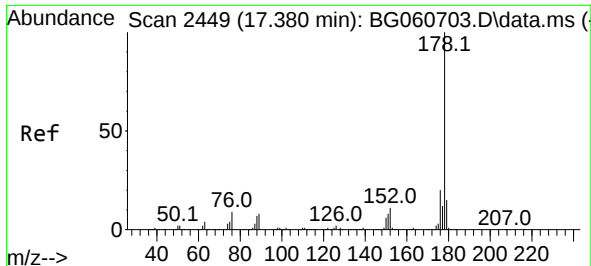
Tgt Ion:198 Resp: 841
Ion Ratio Lower Upper
198 100
51 153.9 36.7 76.7#
105 144.0 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 3.775 ng
RT: 16.072 min Scan# 2227
Delta R.T. -0.462 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion:248 Resp: 17485
Ion Ratio Lower Upper
248 100
250 197.9 78.3 117.5#
141 482.0 53.7 80.5#

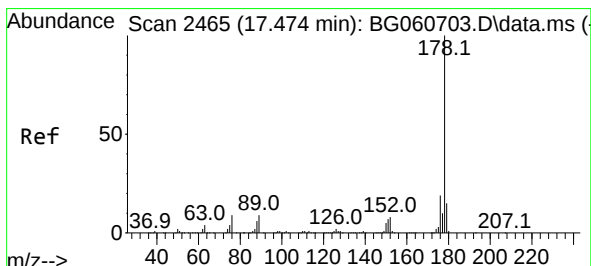
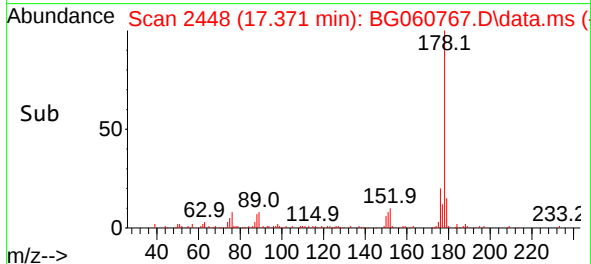
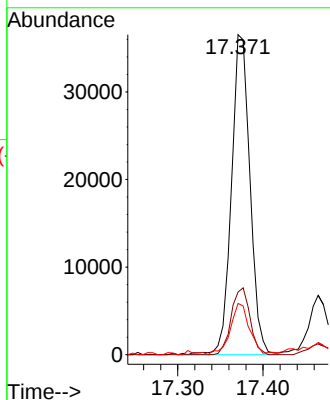
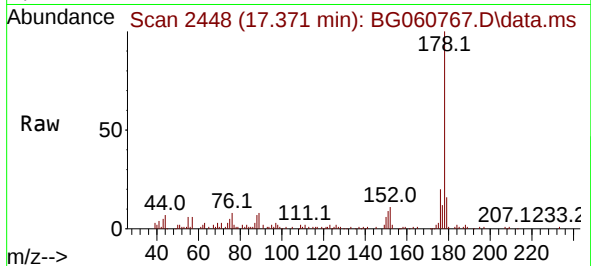




#71
Phenanthrene
Concen: 2.326 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.009 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

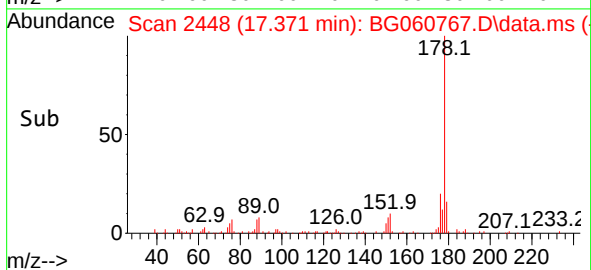
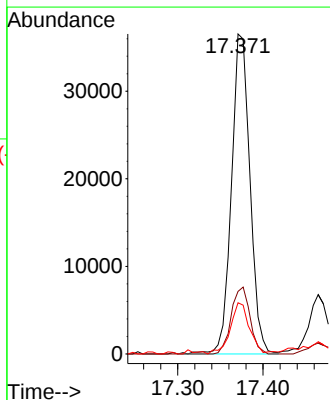
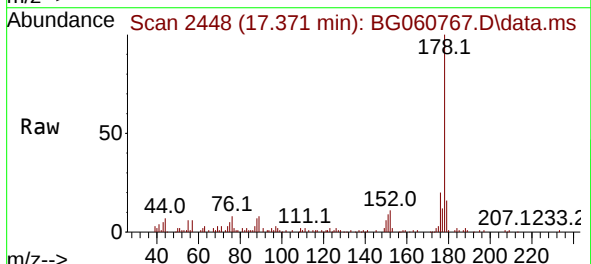
Instrument :
BNA_G
ClientSampleId :
VNJ-207

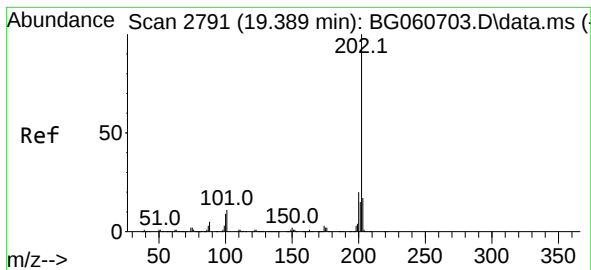
Tgt Ion:178 Resp: 55217
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 16.0 12.2 18.4



#72
Anthracene
Concen: 2.291 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.103 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion:178 Resp: 55217
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 16.0 12.2 18.2





#75

Fluoranthene

Concen: 4.905 ng

RT: 19.386 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

Instrument :

BNA_G

ClientSampleId :

VNJ-207

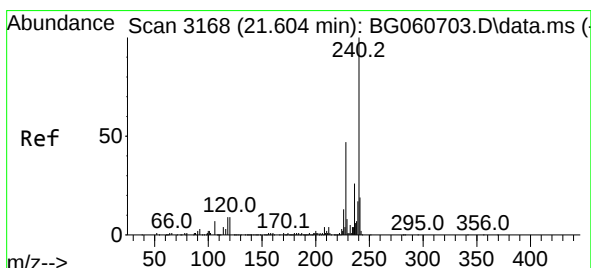
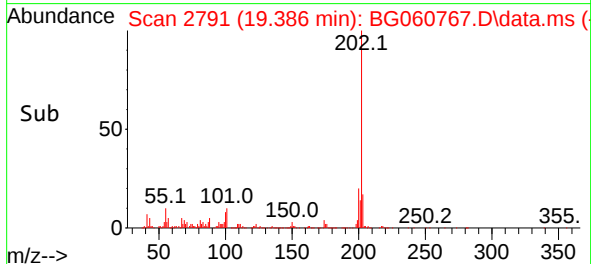
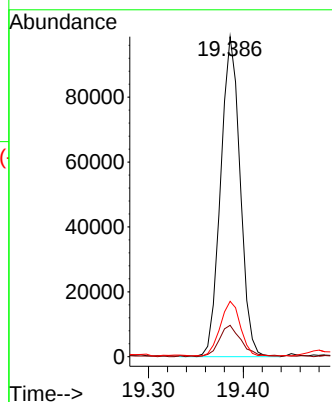
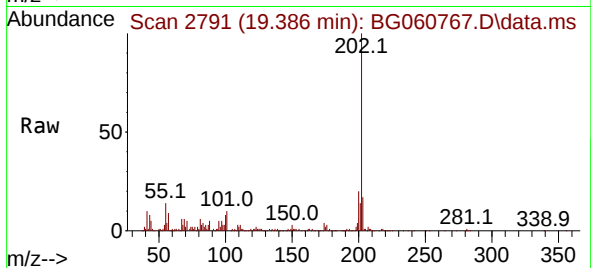
Tgt Ion:202 Resp: 141279

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.8

203 17.3 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.595 min Scan# 3167

Delta R.T. -0.009 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

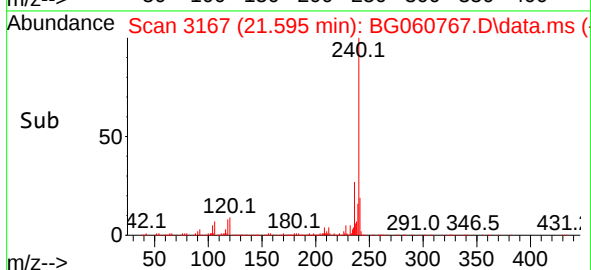
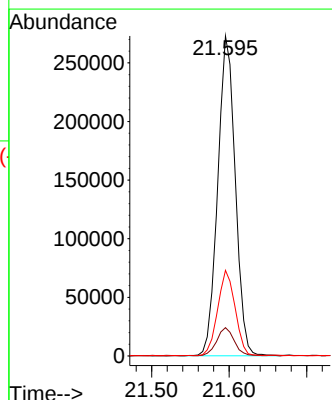
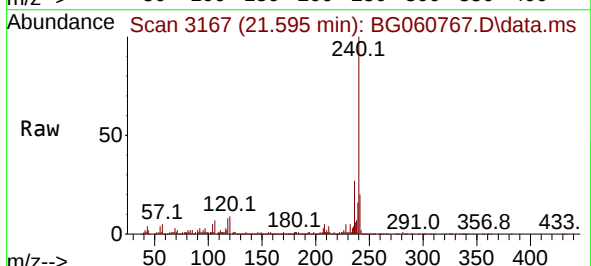
Tgt Ion:240 Resp: 428864

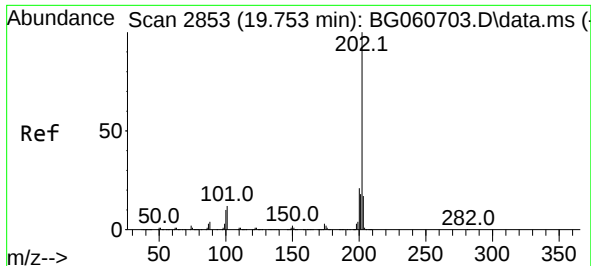
Ion Ratio Lower Upper

240 100

120 8.9 7.1 10.7

236 26.8 20.7 31.1

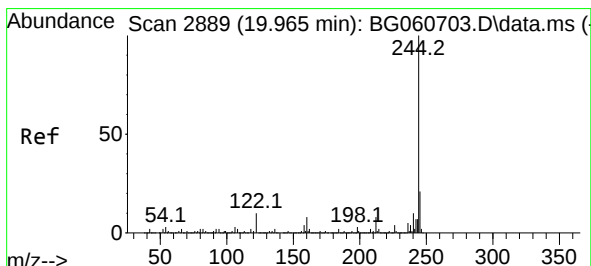
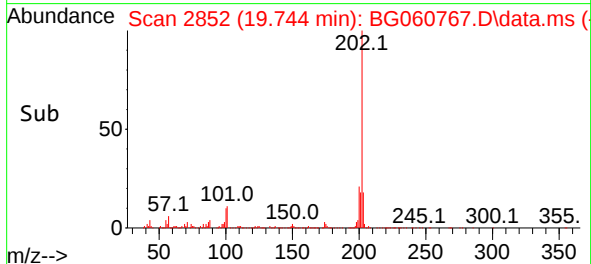
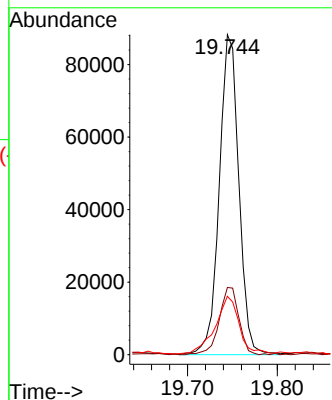
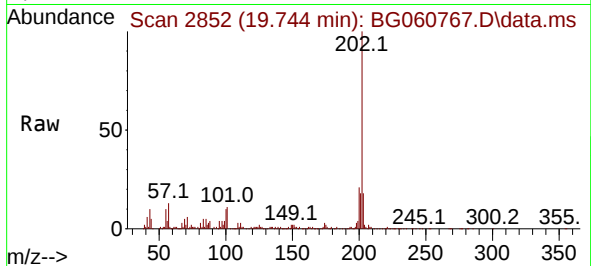




#78
 Pyrene
 Concen: 4.455 ng
 RT: 19.744 min Scan# 2852
 Delta R.T. -0.009 min
 Lab File: BG060767.D
 Acq: 3 Apr 2024 18:12

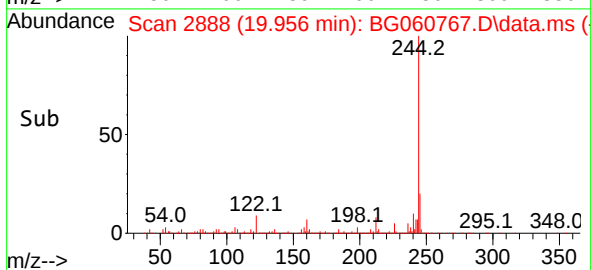
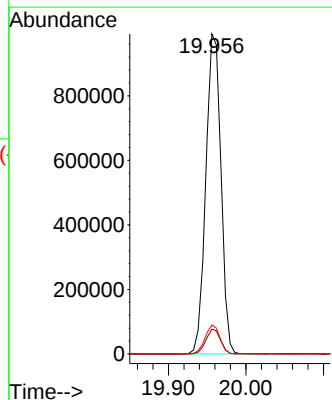
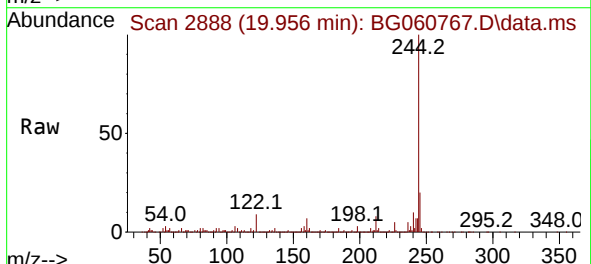
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-207

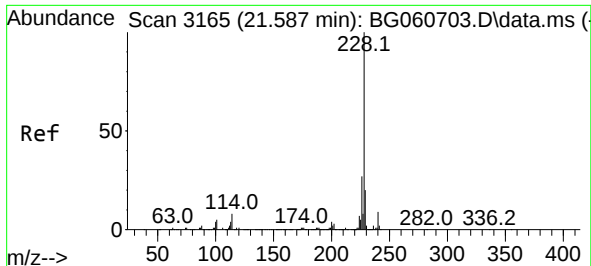
Tgt Ion:202 Resp: 133623
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 18.2 14.0 21.0



#79
 Terphenyl-d14
 Concen: 55.032 ng
 RT: 19.956 min Scan# 2888
 Delta R.T. -0.009 min
 Lab File: BG060767.D
 Acq: 3 Apr 2024 18:12

Tgt Ion:244 Resp: 1340346
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 9.1 7.8 11.8

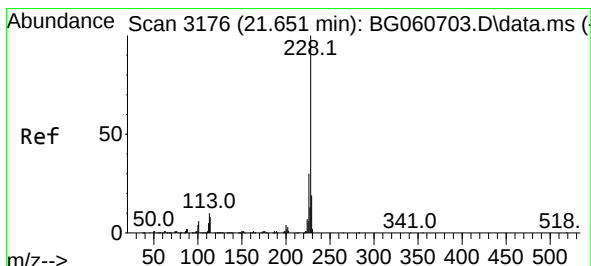
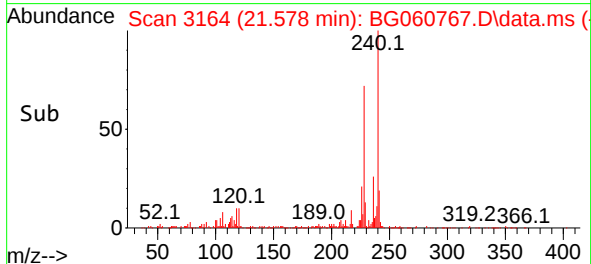
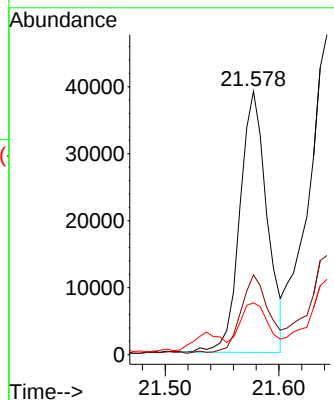
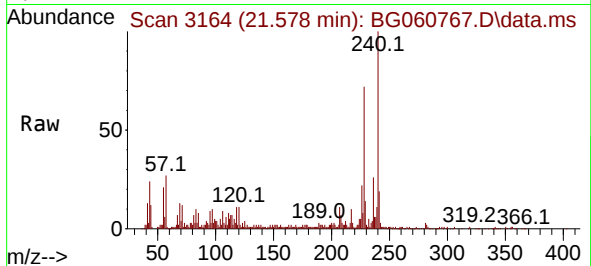




#81
Benzo(a)anthracene
Concen: 2.140 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.009 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

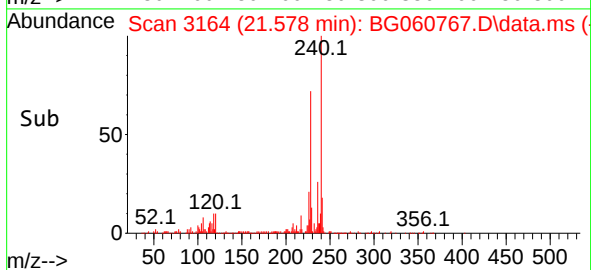
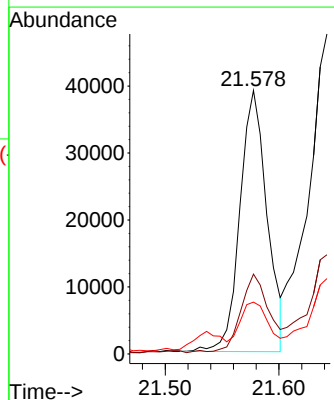
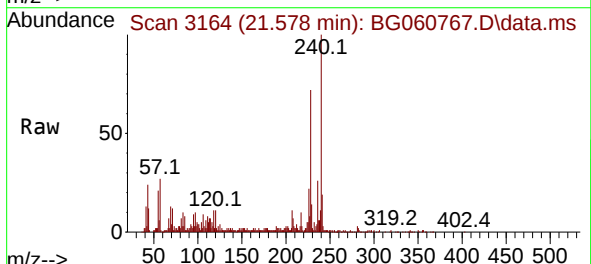
Instrument :
BNA_G
ClientSampleId :
VNJ-207

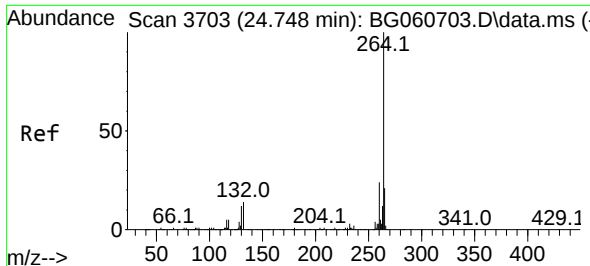
Tgt Ion:228 Resp: 64681
Ion Ratio Lower Upper
228 100
226 30.3 21.7 32.5
229 19.7 15.8 23.8



#83
Chrysene
Concen: 2.220 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.074 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion:228 Resp: 64681
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 19.7 15.5 23.3

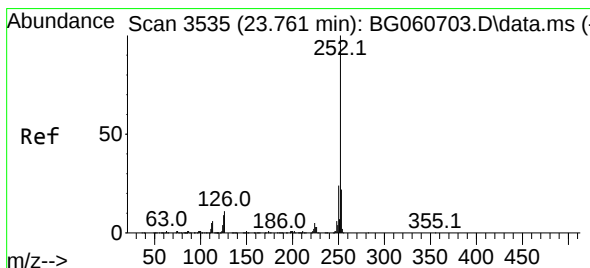
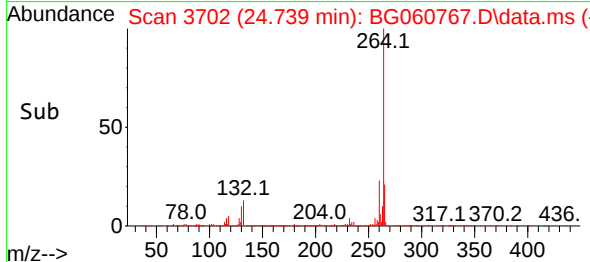
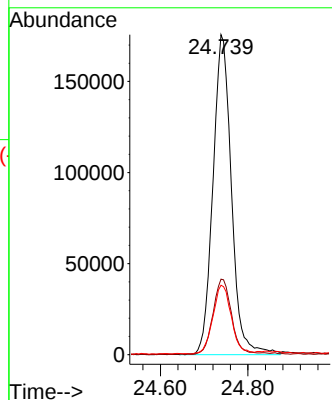
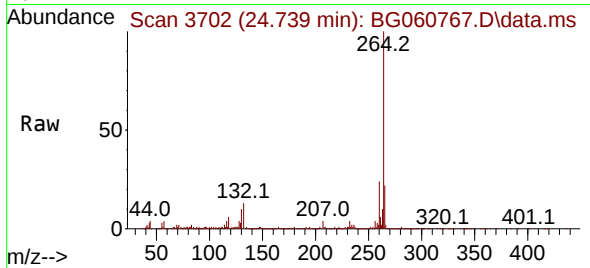




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.739 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

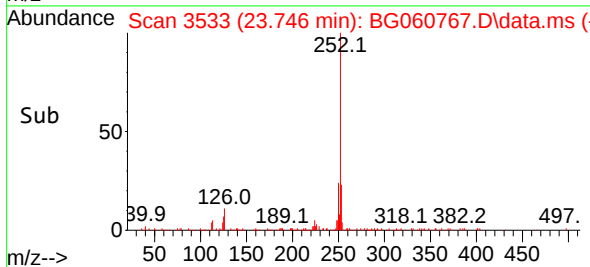
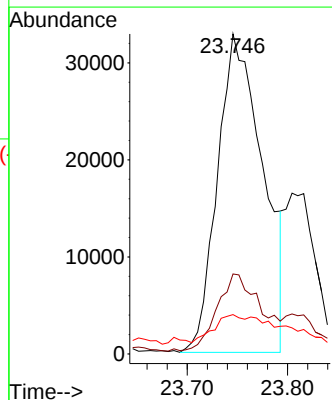
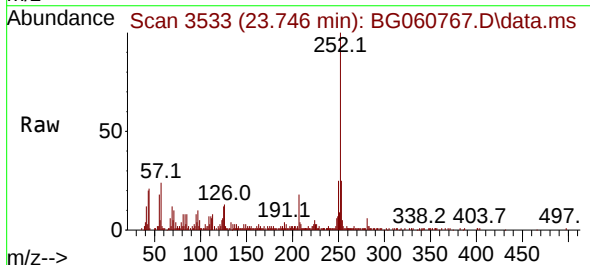
Instrument :
BNA_G
ClientSampleId :
VNJ-207

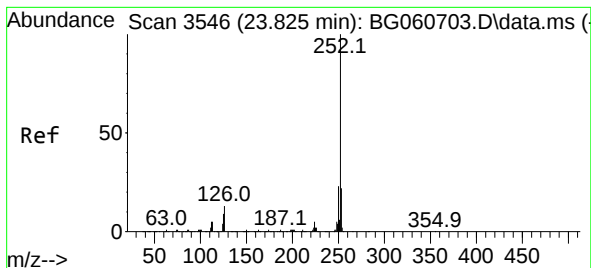
Tgt Ion:264 Resp: 514440
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.7 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 3.477 ng
RT: 23.746 min Scan# 3533
Delta R.T. -0.015 min
Lab File: BG060767.D
Acq: 3 Apr 2024 18:12

Tgt Ion:252 Resp: 102753
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 12.3 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.397 ng

RT: 23.746 min Scan# 3

Delta R.T. -0.080 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

Instrument :

BNA_G

ClientSampleId :

VNJ-207

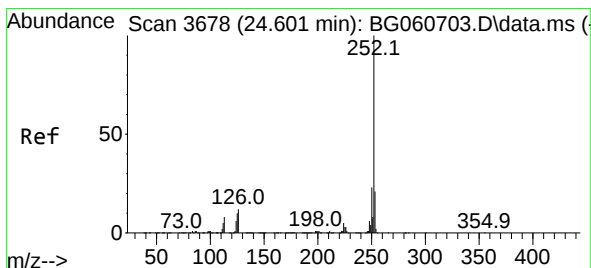
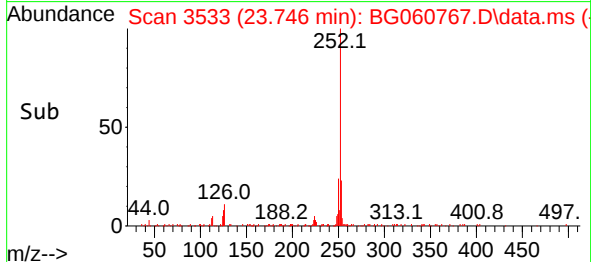
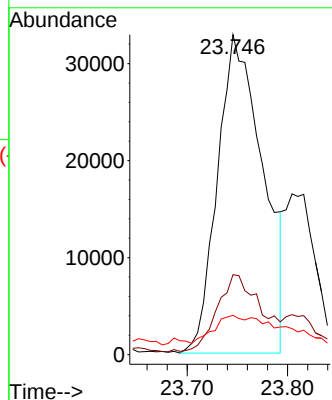
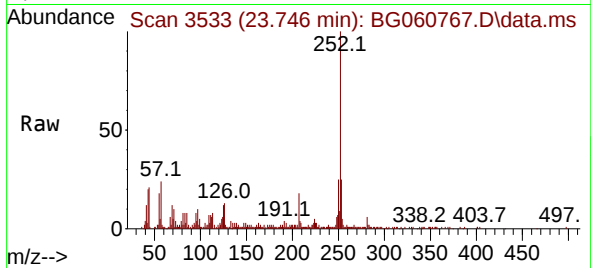
Tgt Ion:252 Resp: 102753

Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 12.3 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 2.065 ng

RT: 24.592 min Scan# 3677

Delta R.T. -0.009 min

Lab File: BG060767.D

Acq: 3 Apr 2024 18:12

Tgt Ion:252 Resp: 59299

Ion Ratio Lower Upper

252 100

253 23.3 16.8 25.2

125 16.2 7.6 11.4#

