

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
 Data File : BG061228.D
 Acq On : 16 May 2024 20:04
 Operator : MA/JU
 Sample : P2491-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-277

Quant Time: May 17 01:20:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

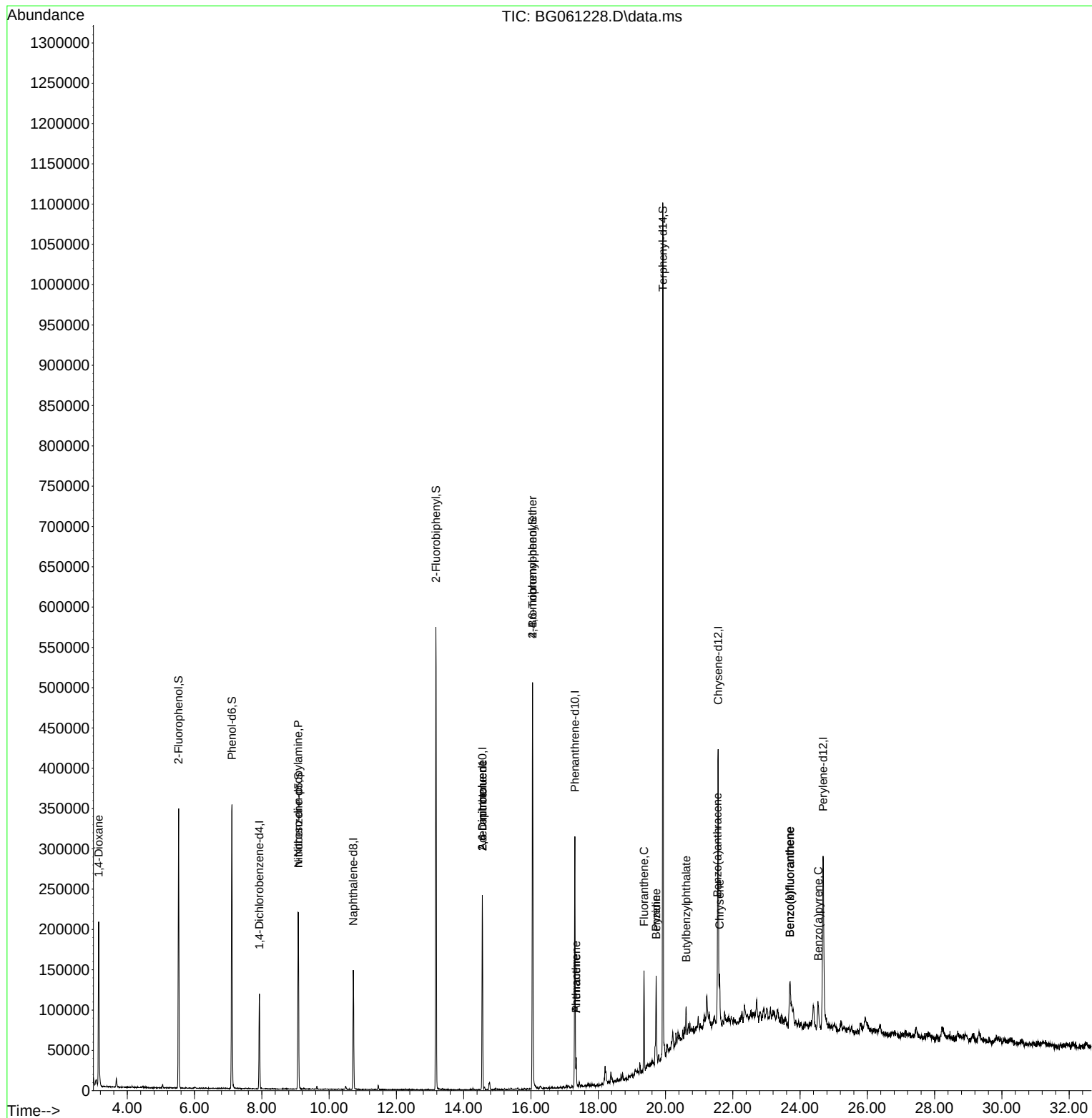
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	28801	20.000	ng	-0.03
21) Naphthalene-d8	10.720	136	114413	20.000	ng	#-0.04
39) Acenaphthene-d10	14.556	164	87229	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	196993	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	197966	20.000	ng	-0.03
86) Perylene-d12	24.686	264	244137	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	117700	83.112	ng	-0.02
7) Phenol-d6	7.112	99	161633	77.154	ng	-0.02
23) Nitrobenzene-d5	9.086	82	114746	49.717	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	112899	64.752	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	293739	49.795	ng	-0.03
79) Terphenyl-d14	19.921	244	552859	46.446	ng	-0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.152	88	1604	2.801	ng	# 1
9) Benzaldehyde	7.112	77	267	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.080	70	17171	10.952	ng	# 64
51) 2,6-Dinitrotoluene	14.556	165	11398	7.909	ng	# 15
57) 2,4-Dinitrotoluene	14.556	165	11398	5.346	ng	# 17
67) 4-Bromophenyl-phenylether	16.049	248	7054	3.040	ng	# 1
71) Phenanthrene	17.347	178	21703	2.409	ng	95
72) Anthracene	17.347	178	21703	2.415	ng	95
75) Fluoranthene	19.362	202	78493	6.361	ng	97
77) Benzidine	19.727	184	356	2.884	ng	# 1
78) Pyrene	19.721	202	72367	5.750	ng	98
80) Butylbenzylphthalate	20.614	149	8519	2.138	ng	# 86
81) Benzo(a)anthracene	21.542	228	42934	3.314	ng	# 96
83) Chrysene	21.607	228	50623	4.171	ng	# 95
88) Benzo(b)fluoranthene	23.704	252	66871	4.902	ng	# 94
89) Benzo(k)fluoranthene	23.704	252	66871	5.095	ng	# 95
90) Benzo(a)pyrene	24.539	252	38133	3.208	ng	# 98

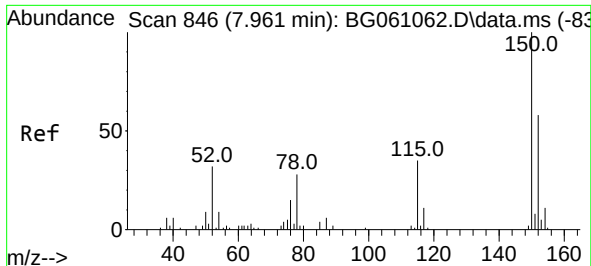
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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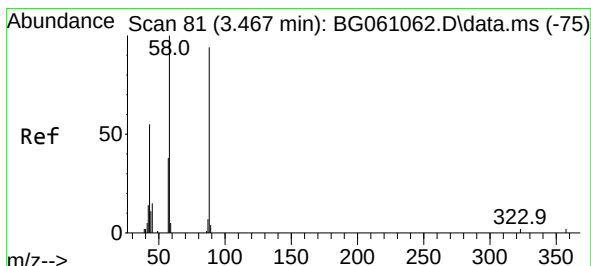
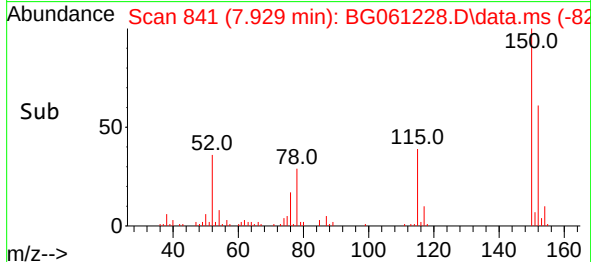
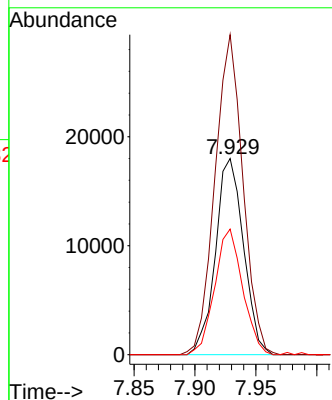
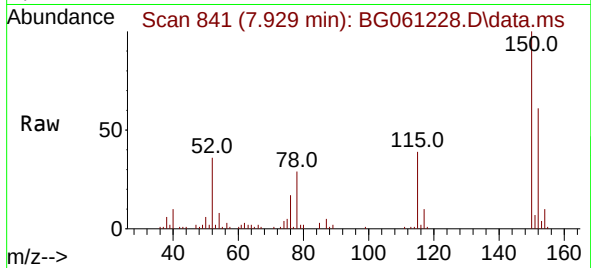




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.929 min Scan# 84
 Delta R.T. -0.032 min
 Lab File: BG061228.D
 Acq: 16 May 2024 20:04

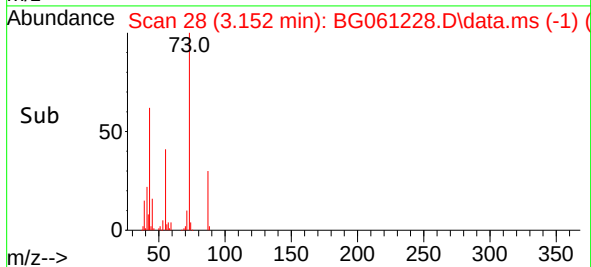
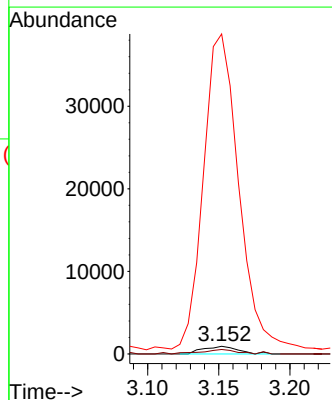
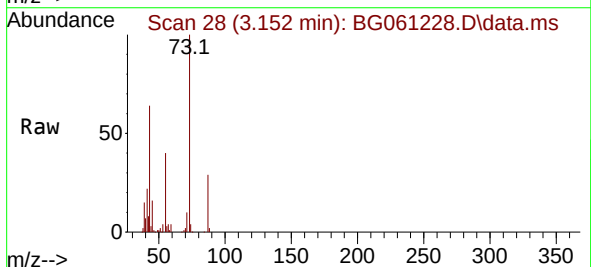
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-277

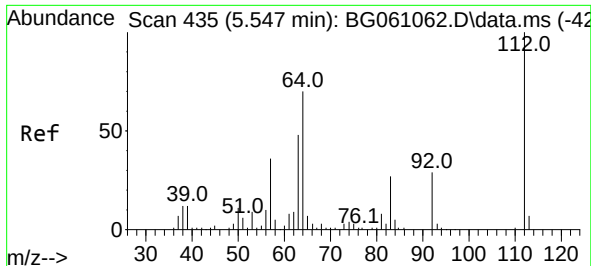
Tgt Ion:152 Resp: 28801
 Ion Ratio Lower Upper
 152 100
 150 163.2 138.3 207.5
 115 64.1 48.0 72.0



#2
 1,4-Dioxane
 Concen: 2.801 ng
 RT: 3.152 min Scan# 28
 Delta R.T. -0.315 min
 Lab File: BG061228.D
 Acq: 16 May 2024 20:04

Tgt Ion: 88 Resp: 1604
 Ion Ratio Lower Upper
 88 100
 58 60.5 81.2 121.8#
 43 4234.5 45.0 67.4#

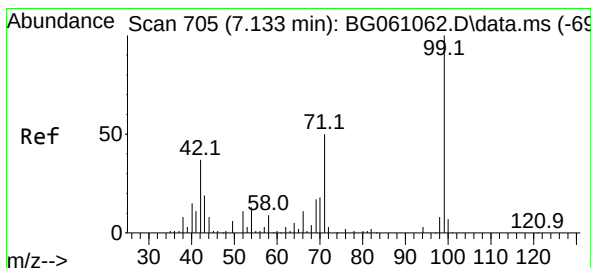
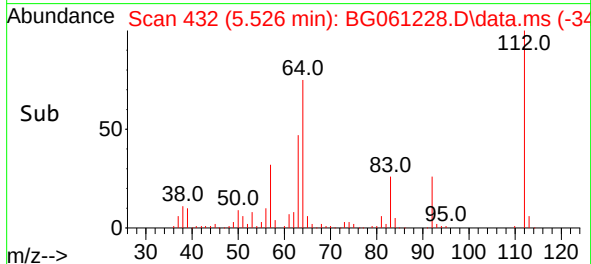
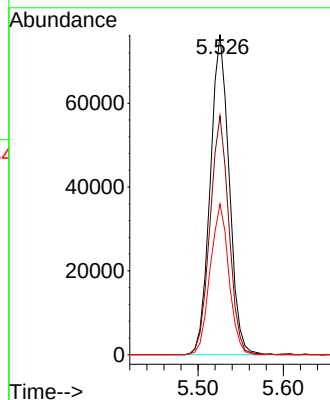
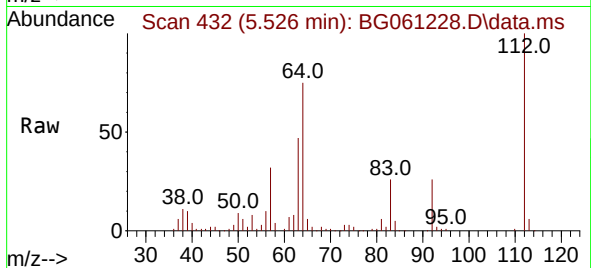




#5
2-Fluorophenol
Concen: 83.112 ng
RT: 5.526 min Scan# 411
Delta R.T. -0.021 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

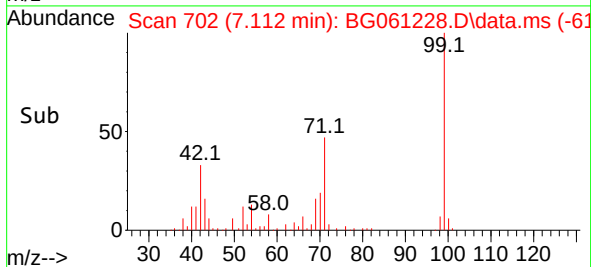
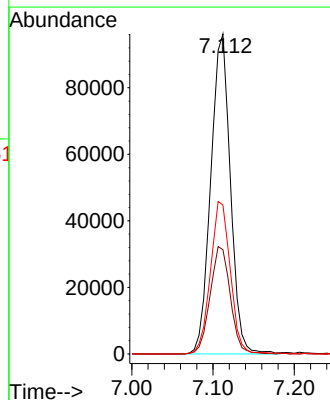
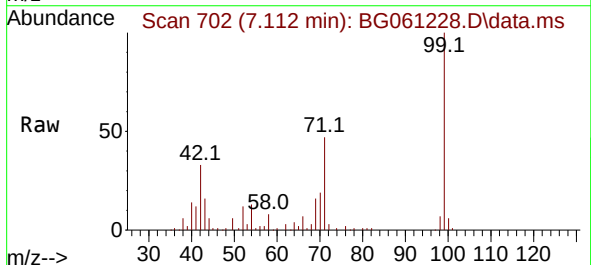
Instrument :
BNA_G
ClientSampleId :
VNJ-277

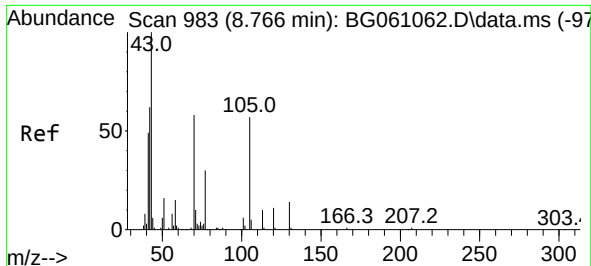
Tgt Ion:112 Resp: 117700
Ion Ratio Lower Upper
112 100
64 74.6 55.7 83.5
63 47.1 38.1 57.1



#7
Phenol-d6
Concen: 77.154 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.021 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion: 99 Resp: 161633
Ion Ratio Lower Upper
99 100
42 32.6 29.2 43.8
71 46.6 39.7 59.5





#19

n-Nitroso-di-n-propylamine

Concen: 10.952 ng

RT: 9.080 min Scan# 10

Delta R.T. 0.314 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

Instrument :

BNA_G

ClientSampleId :

VNJ-277

Tgt Ion: 70 Resp: 17171

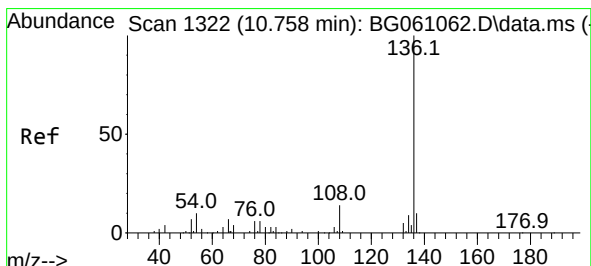
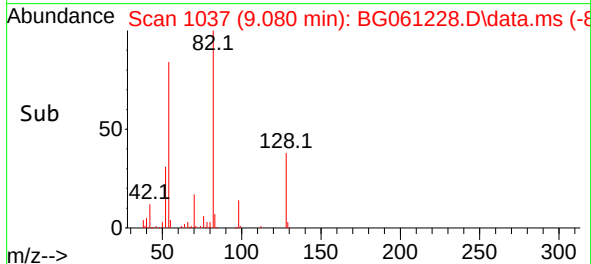
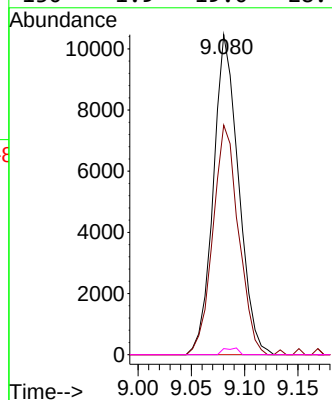
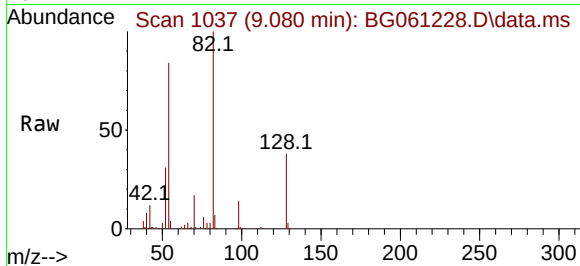
Ion Ratio Lower Upper

70 100

42 71.7 86.4 129.6#

101 0.0 7.8 11.8#

130 1.9 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.720 min Scan# 1316

Delta R.T. -0.038 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

Tgt Ion: 136 Resp: 114413

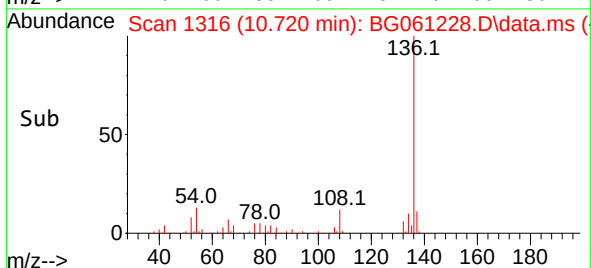
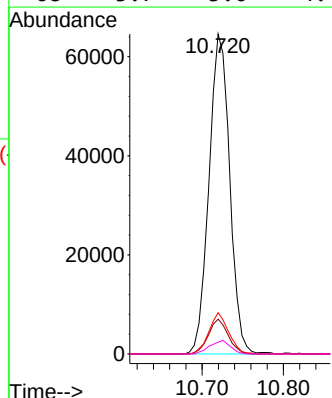
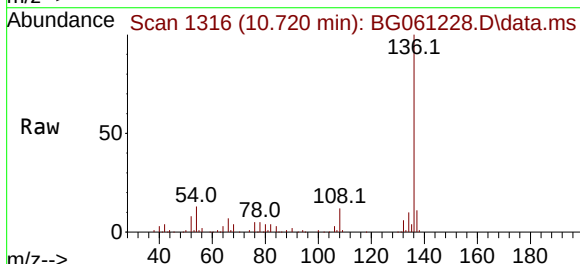
Ion Ratio Lower Upper

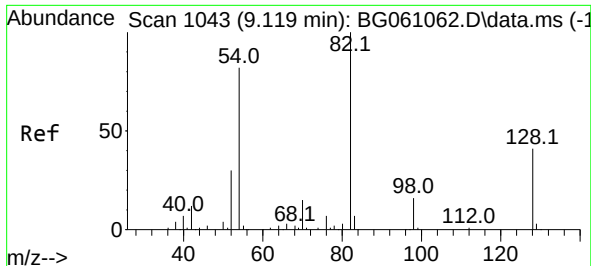
136 100

137 10.9 7.8 11.6

54 12.9 8.1 12.1#

68 3.7 3.0 4.4

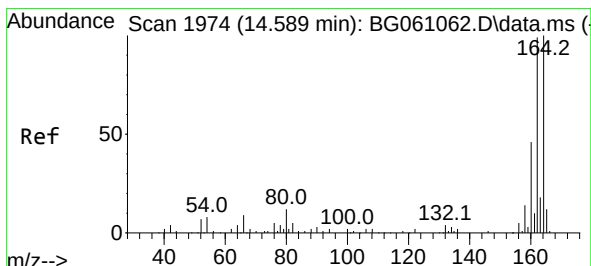
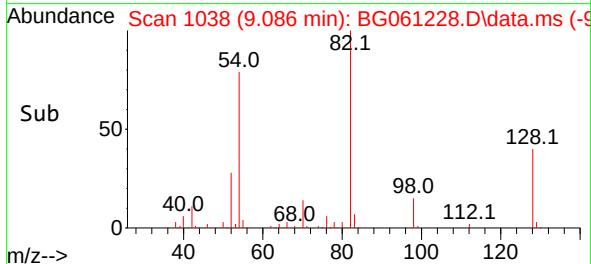
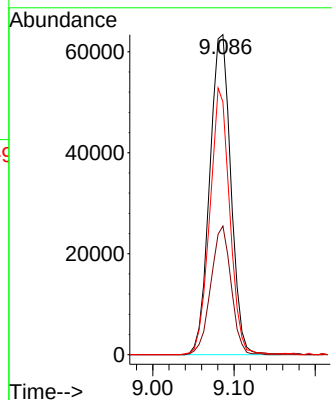
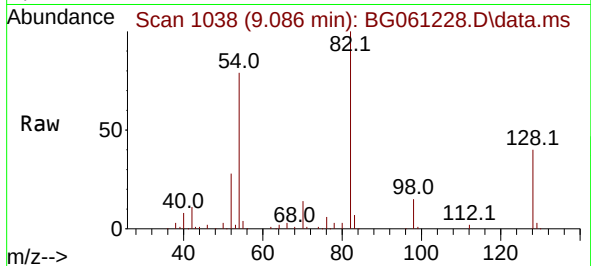




#23
Nitrobenzene-d5
Concen: 49.717 ng
RT: 9.086 min Scan# 1043
Delta R.T. -0.033 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

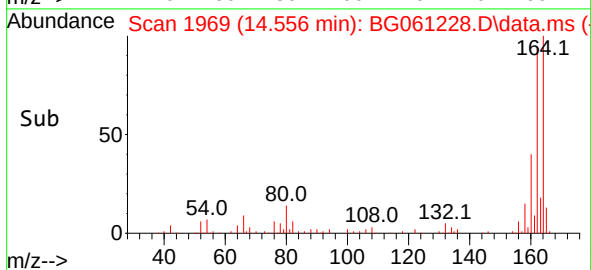
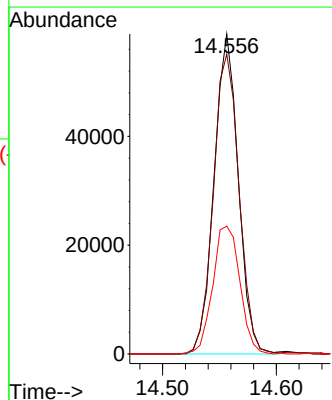
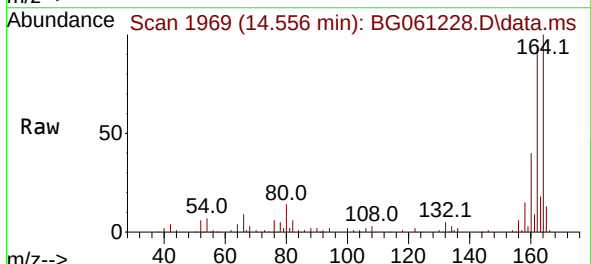
Instrument :
BNA_G
ClientSampleId :
VNJ-277

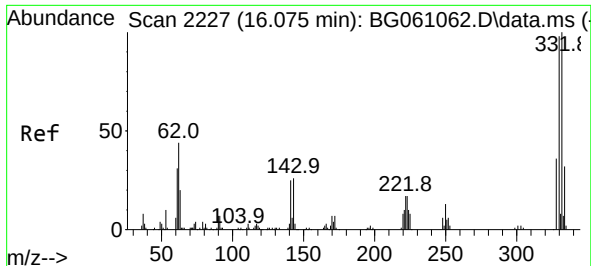
Tgt Ion: 82 Resp: 114746
Ion Ratio Lower Upper
82 100
128 40.2 32.7 49.1
54 78.9 65.6 98.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.033 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion: 164 Resp: 87229
Ion Ratio Lower Upper
164 100
162 93.7 79.4 119.2
160 40.0 37.0 55.6

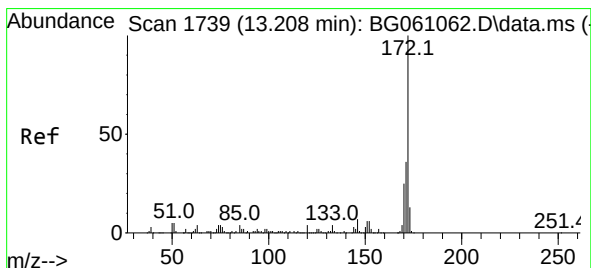
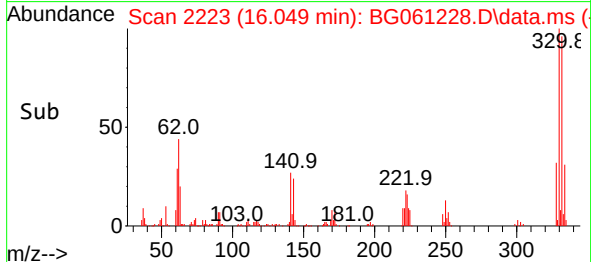
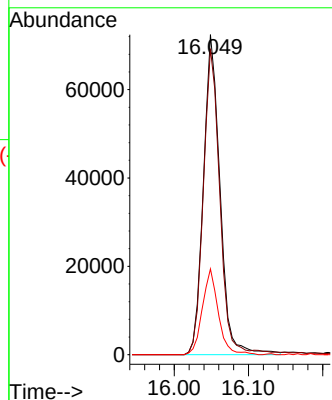
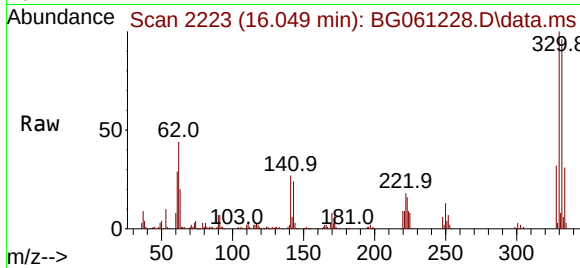




#42
2,4,6-Tribromophenol
Concen: 64.752 ng
RT: 16.049 min Scan# 211
Delta R.T. -0.027 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

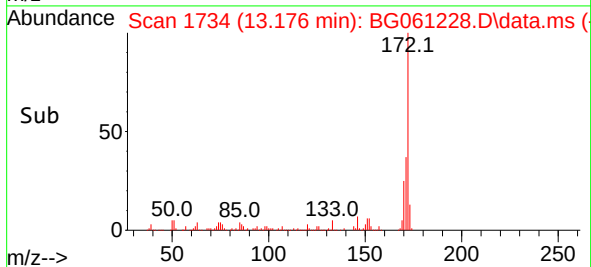
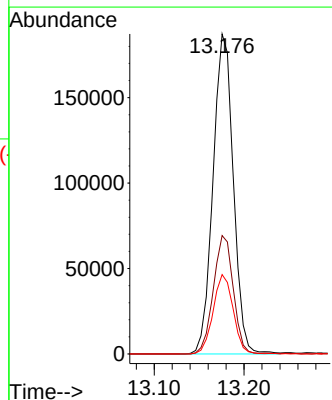
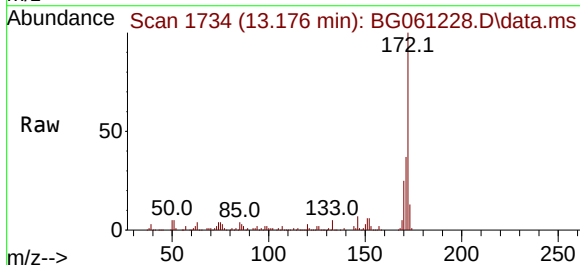
Instrument :
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ClientSampleId :
VNJ-277

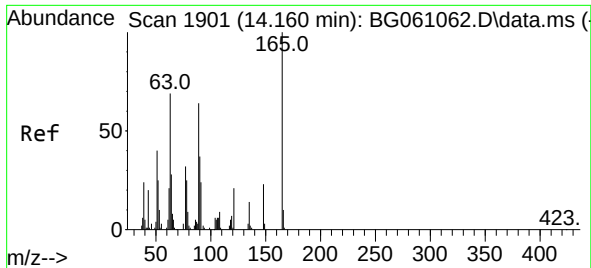
Tgt Ion:330 Resp: 112899
Ion Ratio Lower Upper
330 100
332 96.3 78.6 117.8
141 25.7 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 49.795 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.033 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion:172 Resp: 293739
Ion Ratio Lower Upper
172 100
171 37.0 29.0 43.6
170 24.8 20.2 30.4

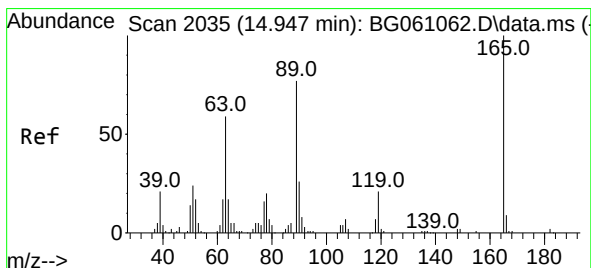
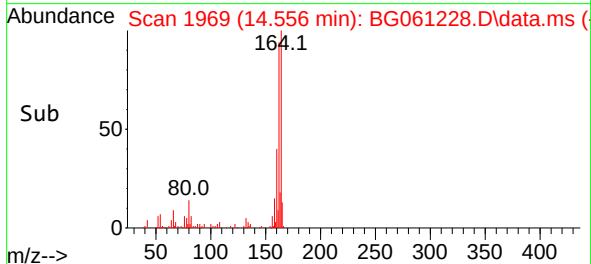
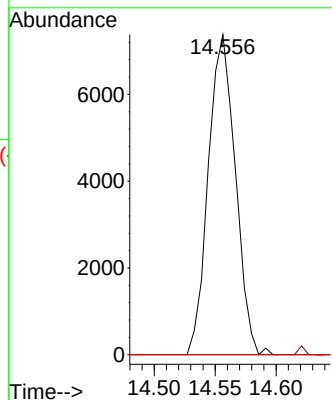
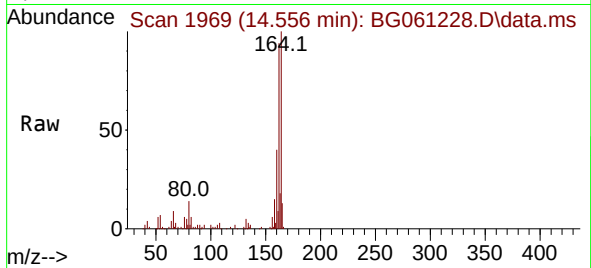




#51
2,6-Dinitrotoluene
Concen: 7.909 ng
RT: 14.556 min Scan# 1969
Delta R.T. 0.396 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

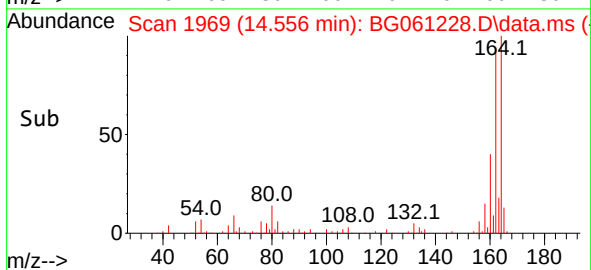
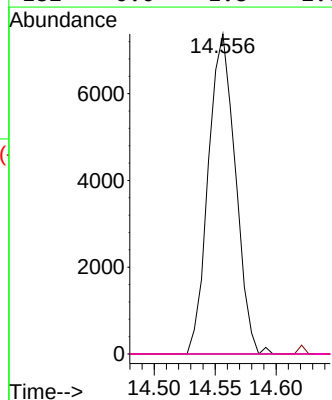
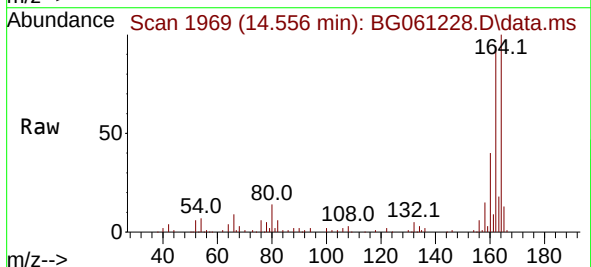
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VNJ-277

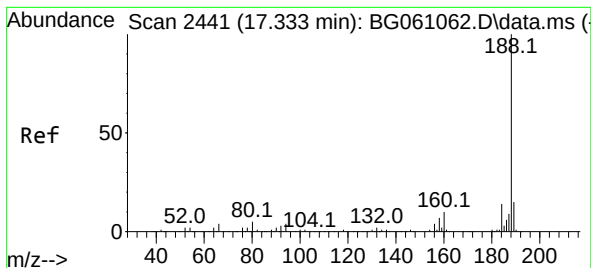
Tgt Ion:165 Resp: 11398
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.346 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.391 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion:165 Resp: 11398
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2441

Delta R.T. -0.027 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

Instrument :

BNA_G

ClientSampleId :

VNJ-277

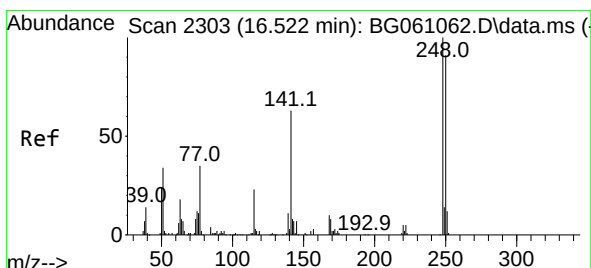
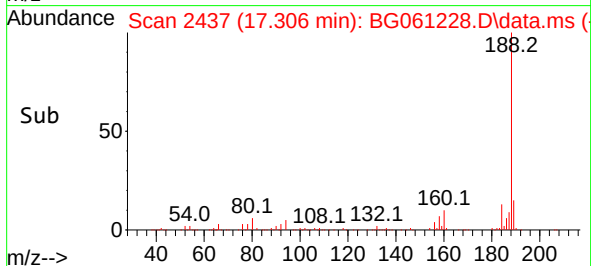
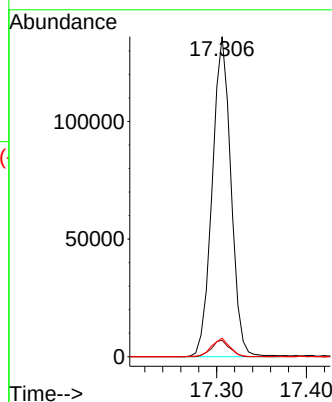
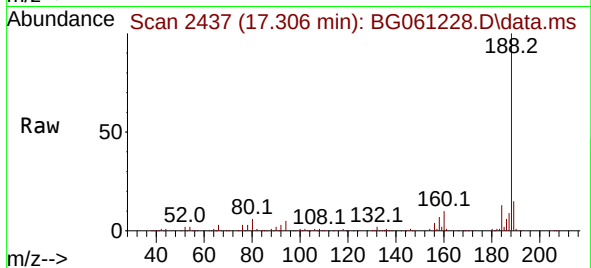
Tgt Ion:188 Resp: 196993

Ion Ratio Lower Upper

188 100

94 5.2 3.6 5.4

80 5.8 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 3.040 ng

RT: 16.049 min Scan# 2223

Delta R.T. -0.473 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

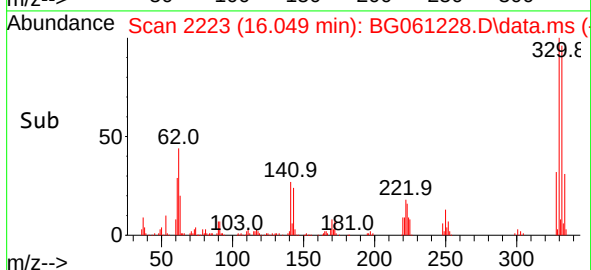
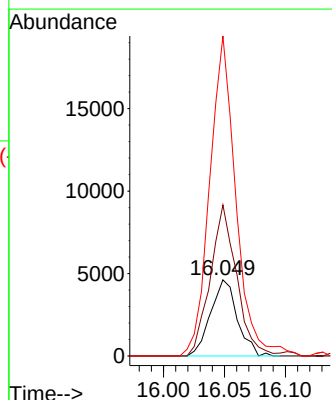
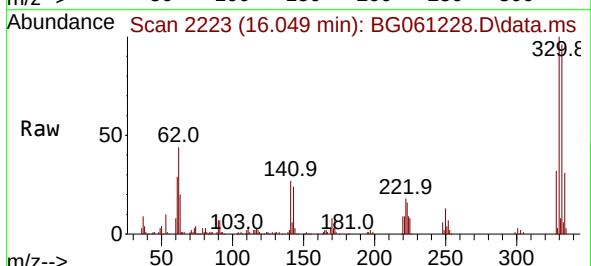
Tgt Ion:248 Resp: 7054

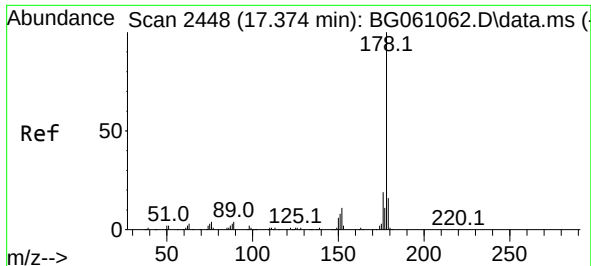
Ion Ratio Lower Upper

248 100

250 198.4 73.0 109.4#

141 420.5 50.8 76.2#

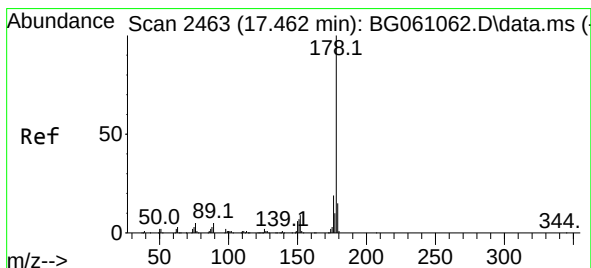
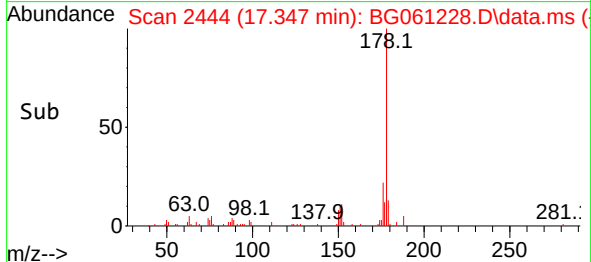
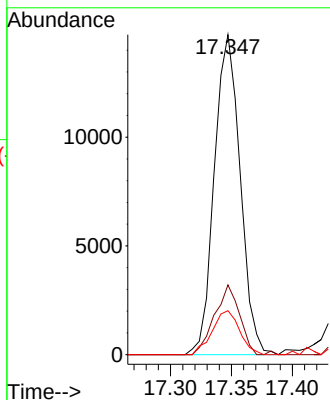
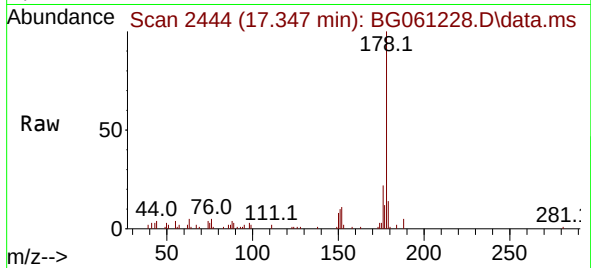




#71
Phenanthrene
Concen: 2.409 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

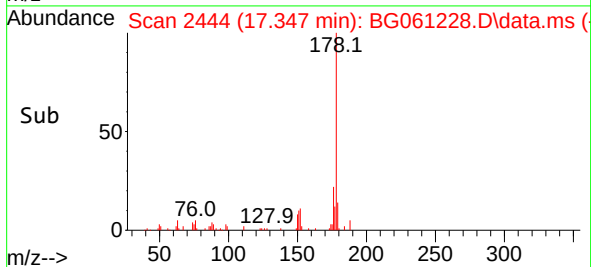
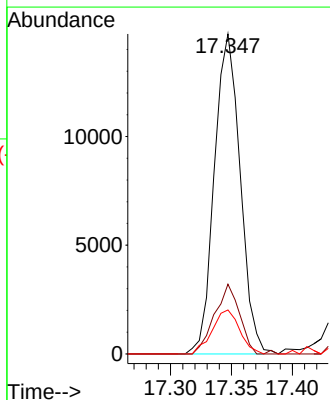
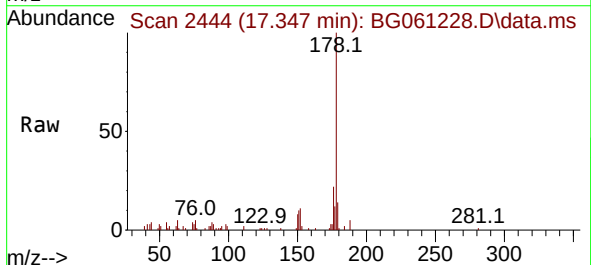
Instrument :
BNA_G
ClientSampleId :
VNJ-277

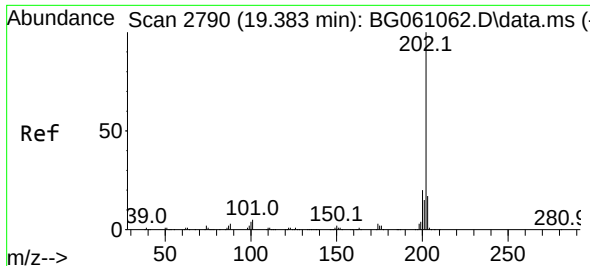
Tgt Ion:178 Resp: 21703
Ion Ratio Lower Upper
178 100
176 21.8 15.5 23.3
179 13.8 12.6 19.0



#72
Anthracene
Concen: 2.415 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.115 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion:178 Resp: 21703
Ion Ratio Lower Upper
178 100
176 21.8 15.0 22.6
179 13.8 12.0 18.0

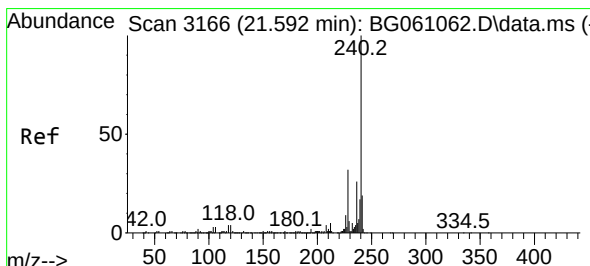
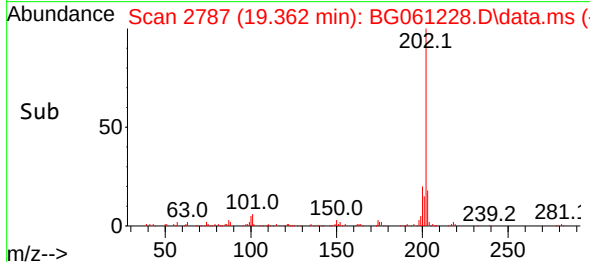
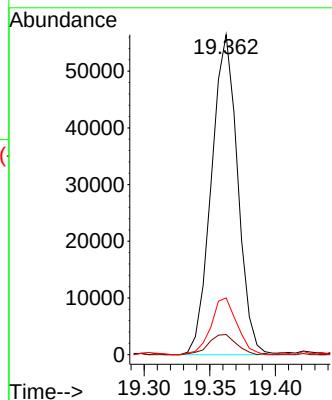
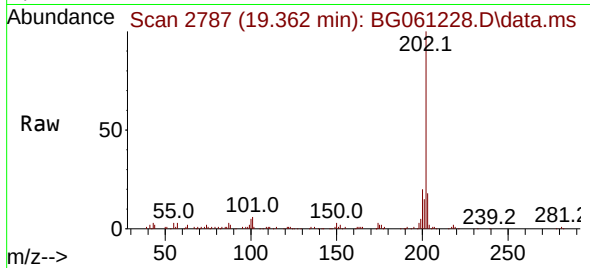




#75
Fluoranthene
Concen: 6.361 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

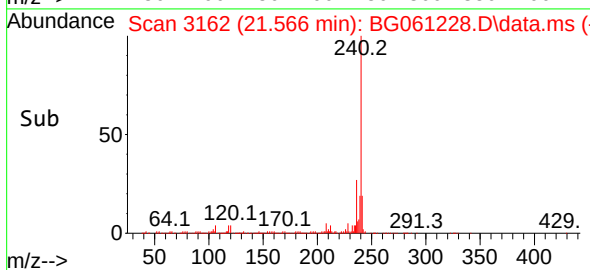
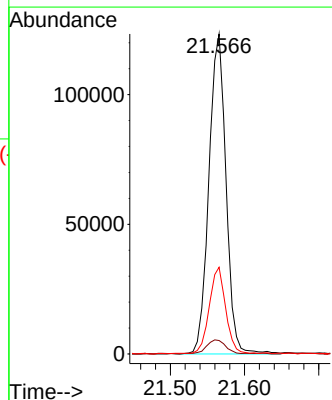
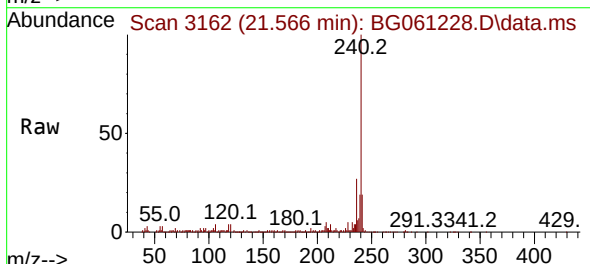
Instrument :
BNA_G
ClientSampleId :
VNJ-277

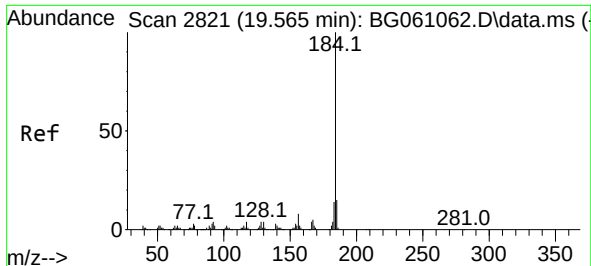
Tgt Ion:202 Resp: 78493
Ion Ratio Lower Upper
202 100
101 7.0 0.0 24.7
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion:240 Resp: 197966
Ion Ratio Lower Upper
240 100
120 4.2 3.2 4.8
236 27.1 21.0 31.6

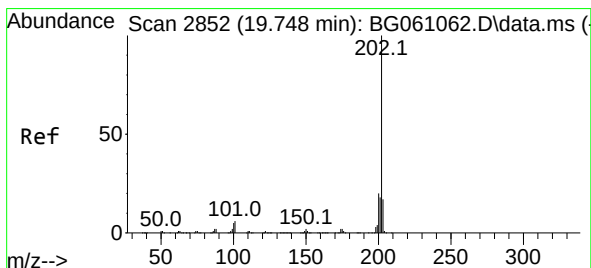
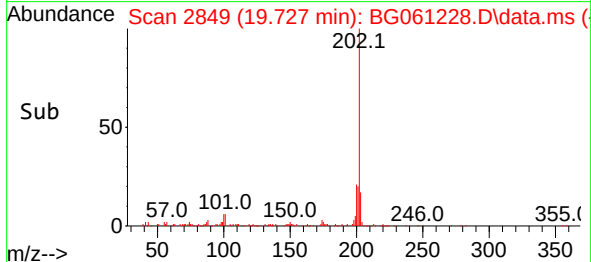
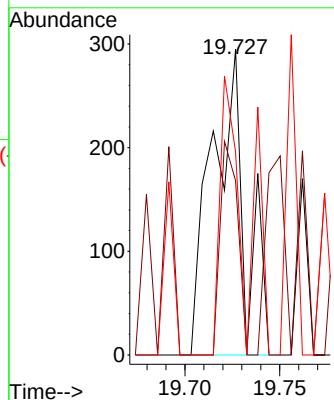
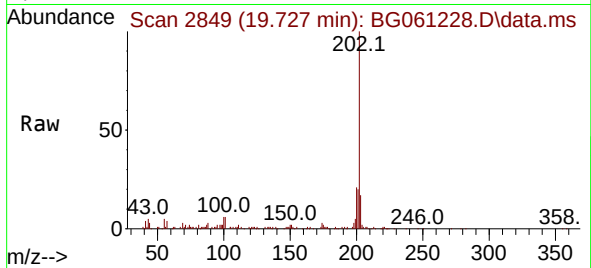




#77
Benzidine
Concen: 2.884 ng
RT: 19.727 min Scan# 2849
Delta R.T. 0.162 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

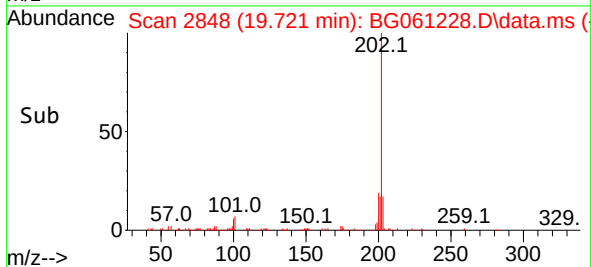
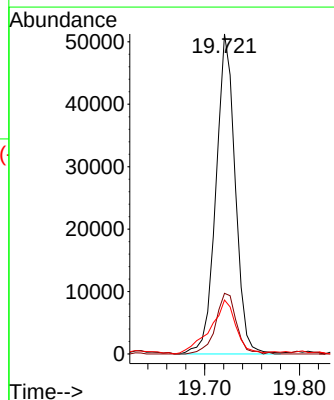
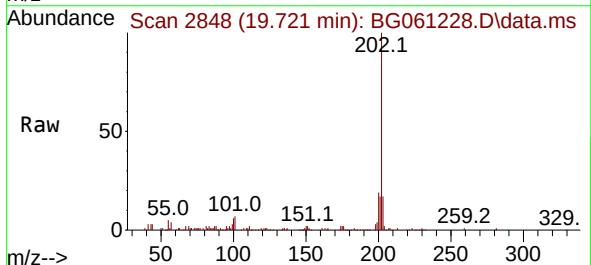
Instrument :
BNA_G
ClientSampleId :
VNJ-277

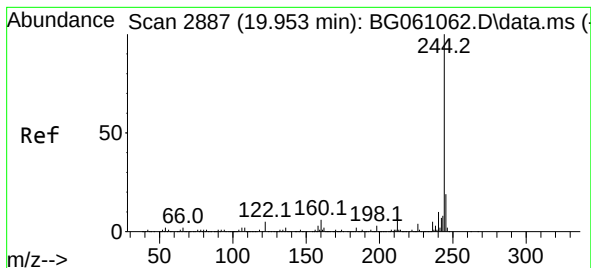
Tgt Ion:184 Resp: 356
Ion Ratio Lower Upper
184 100
185 56.9 12.0 18.0#
183 66.4 10.9 16.3#



#78
Pyrene
Concen: 5.750 ng
RT: 19.721 min Scan# 2848
Delta R.T. -0.027 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion:202 Resp: 72367
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.4
203 16.9 13.3 19.9





#79

Terphenyl-d14

Concen: 46.446 ng

RT: 19.921 min Scan# 21

Delta R.T. -0.033 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

Instrument :

BNA_G

ClientSampleId :

VNJ-277

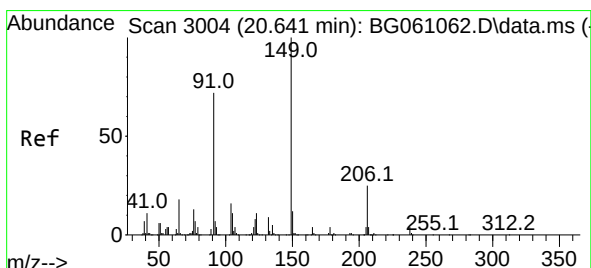
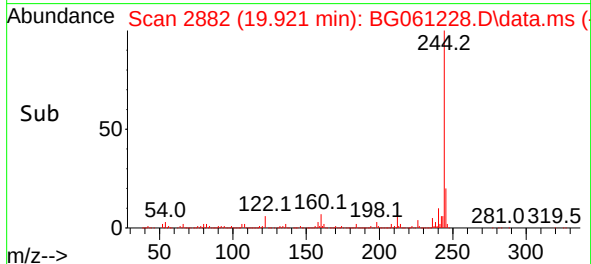
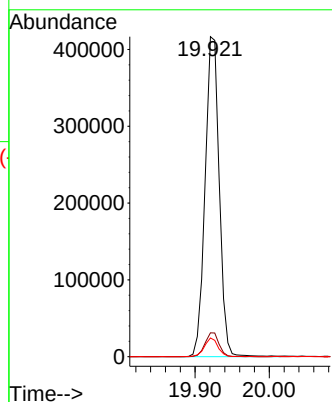
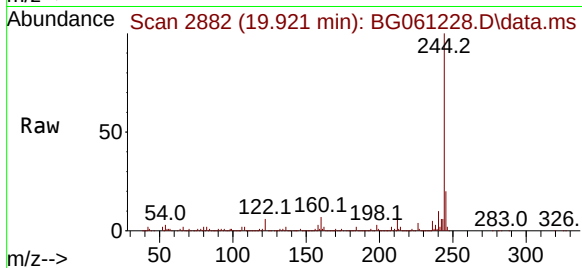
Tgt Ion:244 Resp: 552859

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 5.9 4.2 6.2



#80

Butylbenzylphthalate

Concen: 2.138 ng

RT: 20.614 min Scan# 3000

Delta R.T. -0.027 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

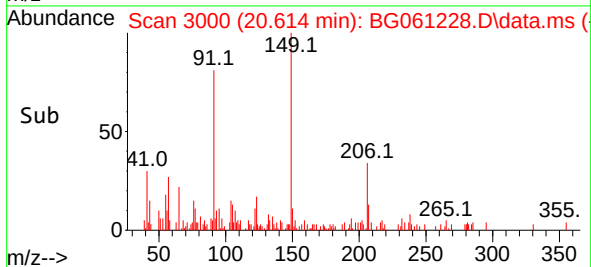
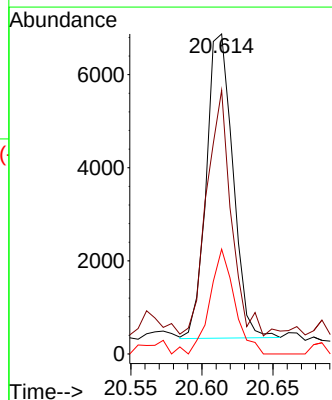
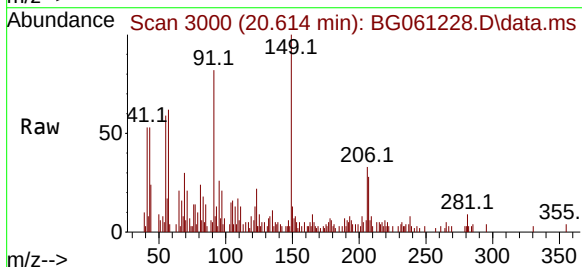
Tgt Ion:149 Resp: 8519

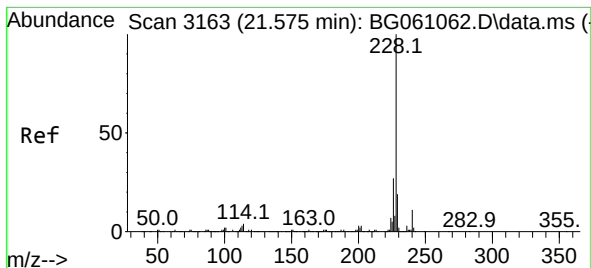
Ion Ratio Lower Upper

149 100

91 82.4 57.4 86.2

206 32.7 19.8 29.6#





#81

Benzo(a)anthracene

Concen: 3.314 ng

RT: 21.542 min Scan# 3163

Delta R.T. -0.033 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

Instrument :

BNA_G

ClientSampleId :

VNJ-277

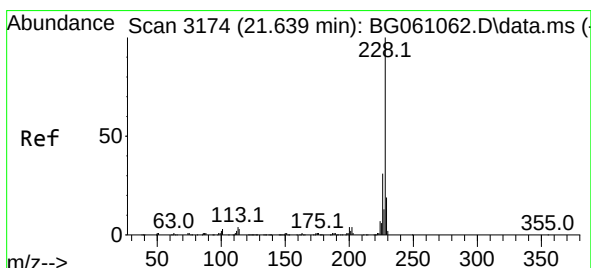
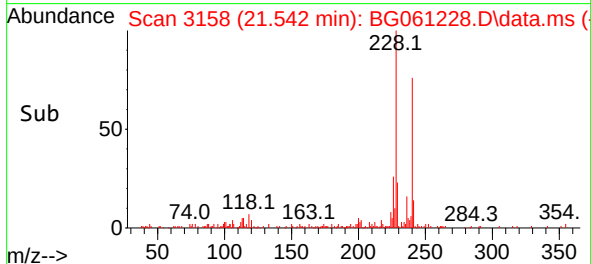
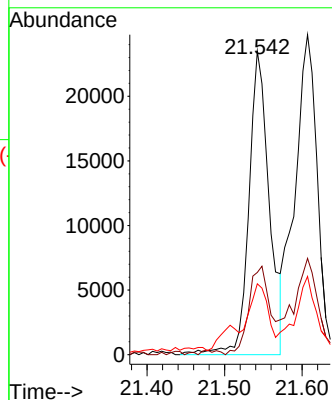
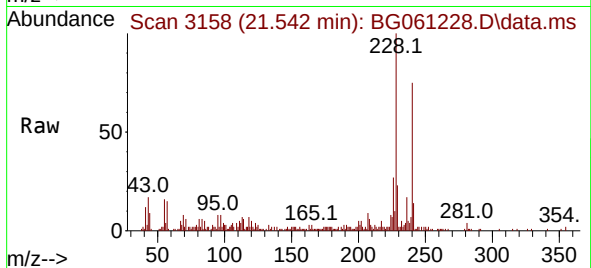
Tgt Ion:228 Resp: 42934

Ion Ratio Lower Upper

228 100

226 27.1 21.6 32.4

229 23.4 15.0 22.4#



#83

Chrysene

Concen: 4.171 ng

RT: 21.607 min Scan# 3169

Delta R.T. -0.033 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

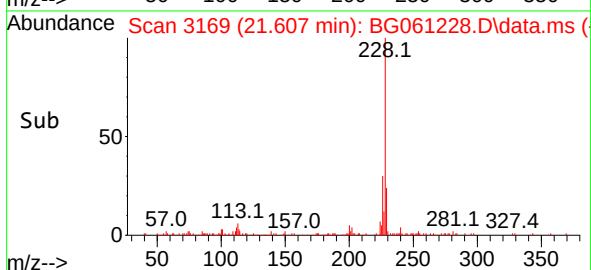
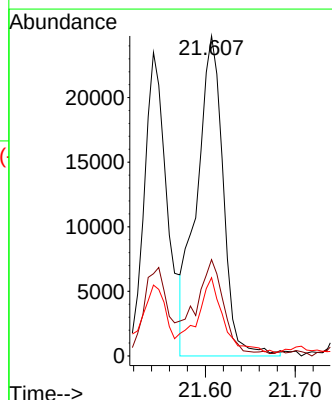
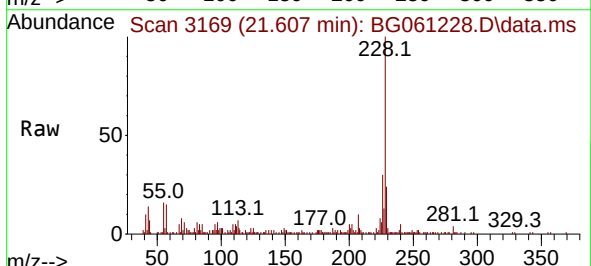
Tgt Ion:228 Resp: 50623

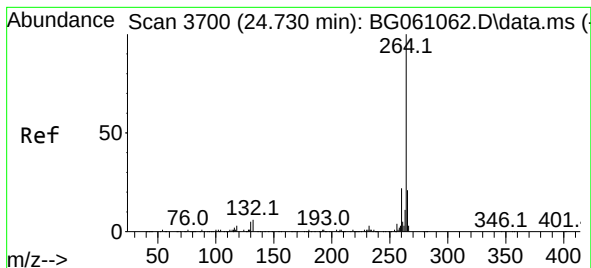
Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 24.4 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

Instrument :

BNA_G

ClientSampleId :

VNJ-277

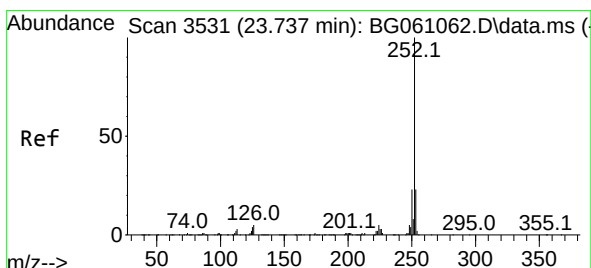
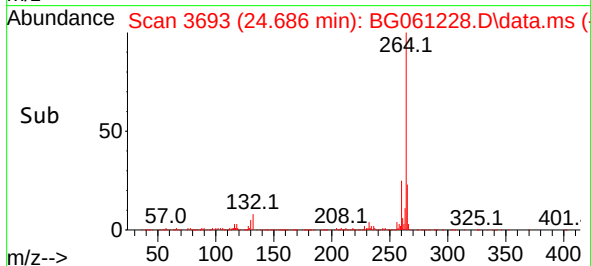
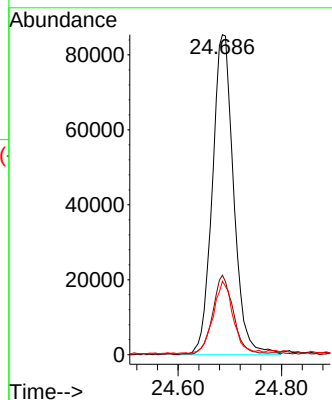
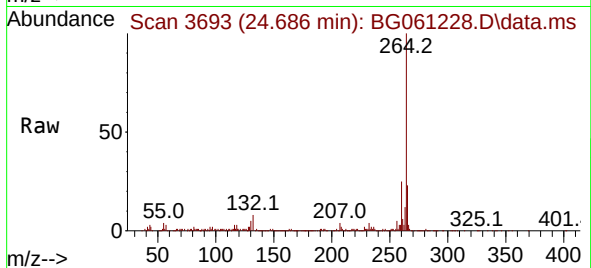
Tgt Ion:264 Resp: 244137

Ion Ratio Lower Upper

264 100

260 24.9 17.7 26.5

265 23.0 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 4.902 ng

RT: 23.704 min Scan# 3526

Delta R.T. -0.033 min

Lab File: BG061228.D

Acq: 16 May 2024 20:04

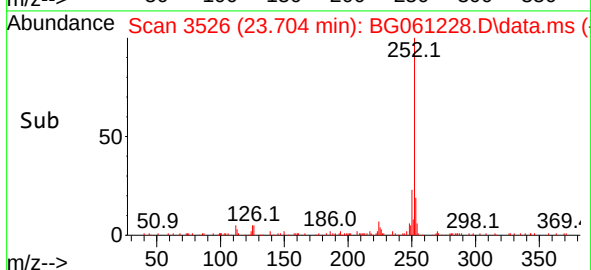
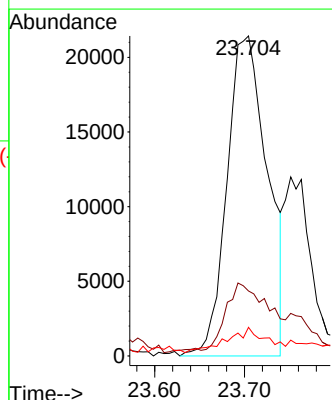
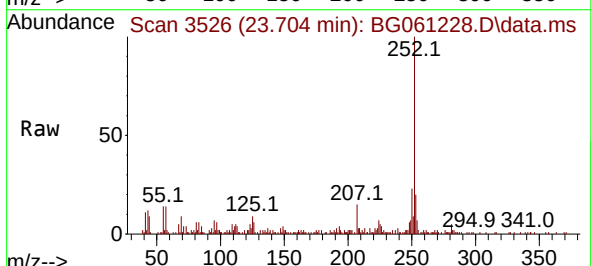
Tgt Ion:252 Resp: 66871

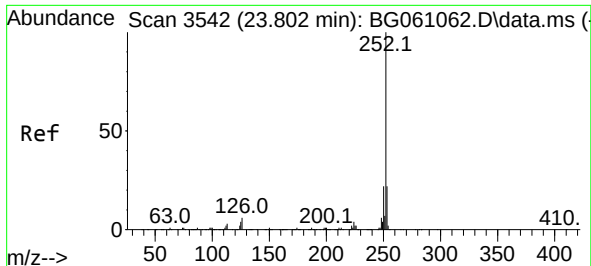
Ion Ratio Lower Upper

252 100

253 20.3 18.2 27.2

125 9.0 3.4 5.0#

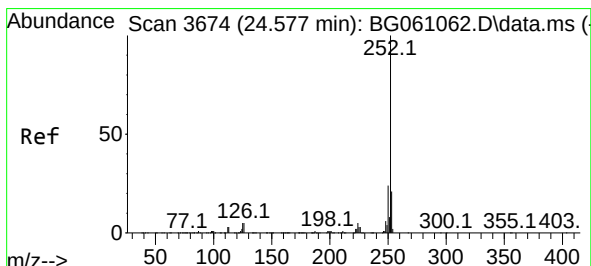
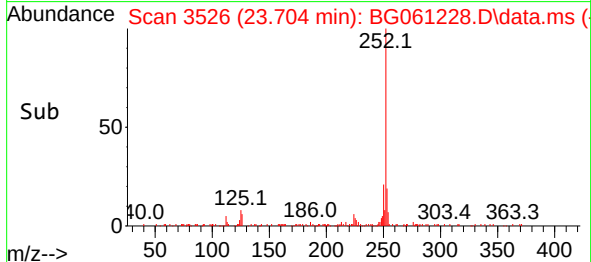
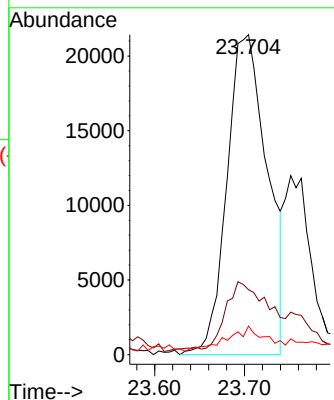
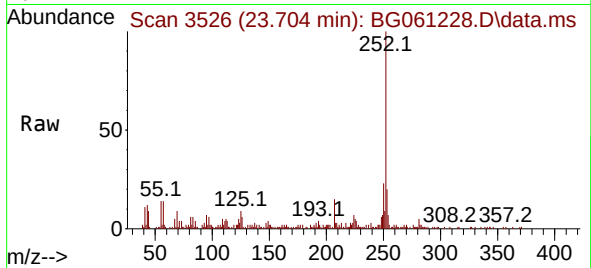




#89
Benzo(k)fluoranthene
Concen: 5.095 ng
RT: 23.704 min Scan# 31
Delta R.T. -0.097 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Instrument :
BNA_G
ClientSampleId :
VNJ-277

Tgt Ion:252 Resp: 66871
Ion Ratio Lower Upper
252 100
253 20.3 17.3 25.9
125 9.0 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 3.208 ng
RT: 24.539 min Scan# 3668
Delta R.T. -0.038 min
Lab File: BG061228.D
Acq: 16 May 2024 20:04

Tgt Ion:252 Resp: 38133
Ion Ratio Lower Upper
252 100
253 21.9 16.9 25.3
125 5.8 3.8 5.8#

