

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049875.D
 Acq On : 17 Aug 2021 13:05
 Operator : CG/JU
 Sample : M3403-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-213

Quant Time: Aug 17 13:49:42 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

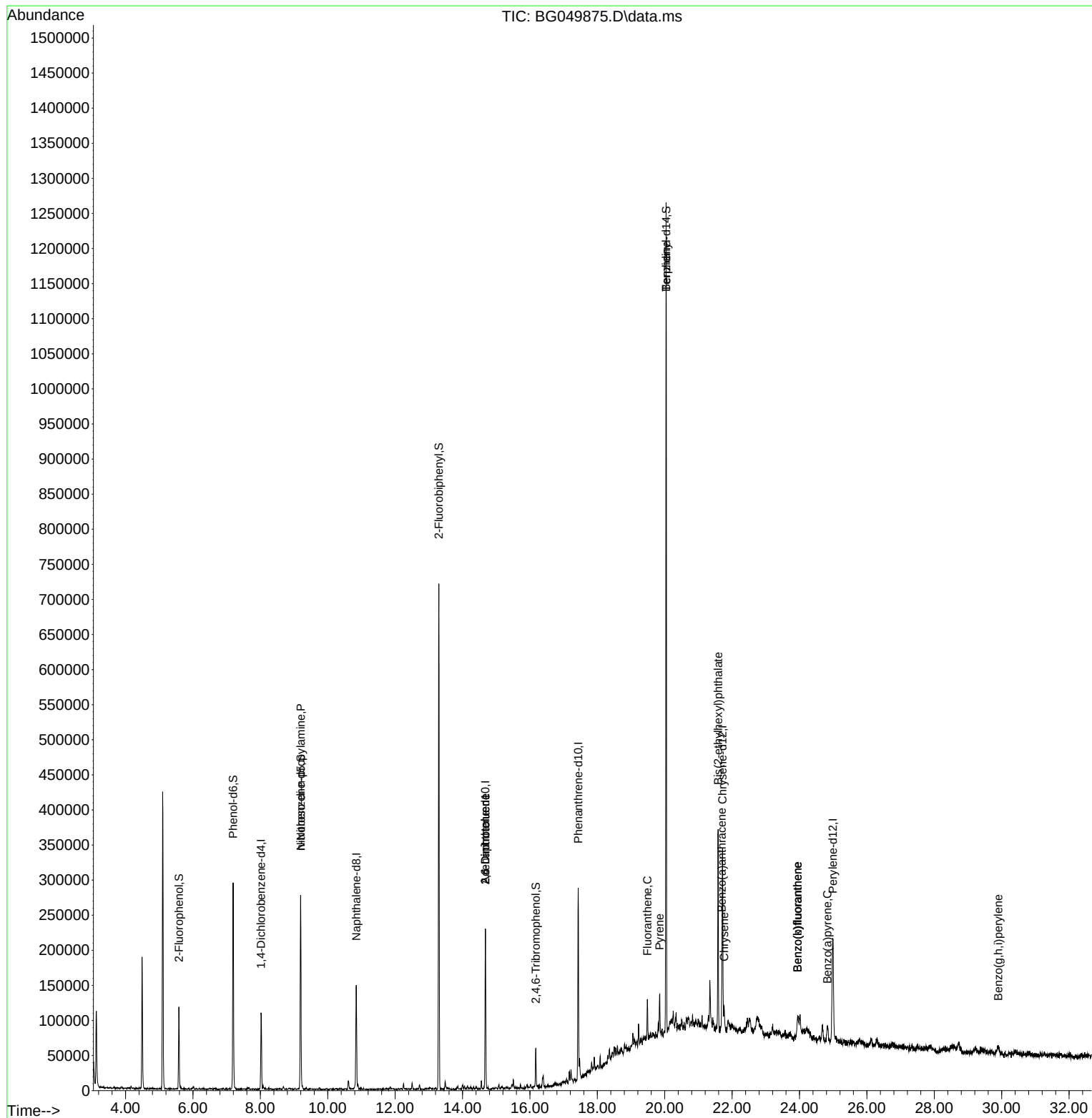
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.021	152	28815	20.000	ng	0.00
21) Naphthalene-d8	10.847	136	121871	20.000	ng	# 0.00
39) Acenaphthene-d10	14.677	164	83208	20.000	ng	0.00
64) Phenanthrene-d10	17.432	188	167074	20.000	ng	# 0.00
76) Chrysene-d12	21.714	240	146784	20.000	ng	0.00
86) Perylene-d12	24.986	264	159121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.583	112	45617	28.379	ng	0.00
7) Phenol-d6	7.193	99	160439	65.936	ng	0.00
23) Nitrobenzene-d5	9.196	82	168524	61.191	ng	0.00
42) 2,4,6-Tribromophenol	16.175	330	10564	8.637	ng	0.00
45) 2-Fluorobiphenyl	13.296	172	361748	63.260	ng	0.00
79) Terphenyl-d14	20.040	244	514915	63.712	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.196	70	24200	14.862	ng	# 77
51) 2,6-Dinitrotoluene	14.677	165	11555	8.360	ng	# 11
57) 2,4-Dinitrotoluene	14.677	165	11555	5.952	ng	# 17
75) Fluoranthene	19.488	202	35557	3.287	ng	93
77) Benzidine	20.040	184	10724	2.851	ng	# 95
78) Pyrene	19.846	202	38852	3.882	ng	98
81) Benzo(a)anthracene	21.697	228	24115	2.523	ng	99
83) Chrysene	21.761	228	26465	2.896	ng	95
84) Bis(2-ethylhexyl)phtha...	21.585	149	115440	21.399	ng	95
88) Benzo(b)fluoranthene	23.941	252	34589	3.314	ng	# 96
89) Benzo(k)fluoranthene	23.941	252	34589	3.553	ng	# 92
90) Benzo(a)pyrene	24.828	252	26073	2.761	ng	# 93
92) Benzo(g,h,i)perylene	29.897	276	23498	2.480	ng	# 87

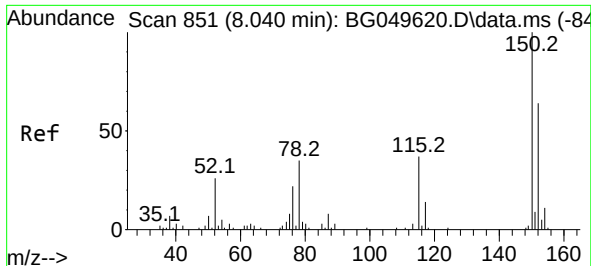
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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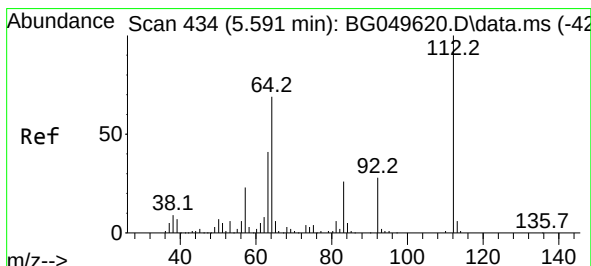
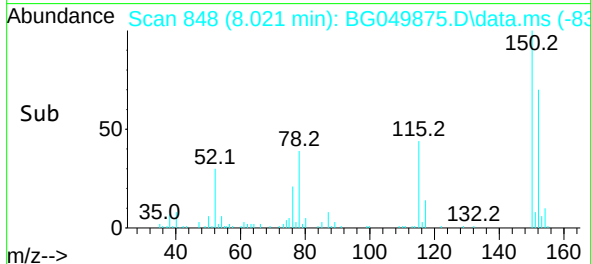
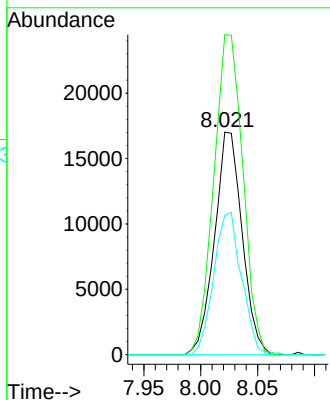
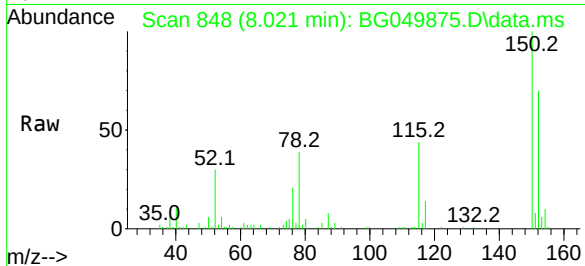




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.021 min Scan# 848
Delta R.T. -0.007 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

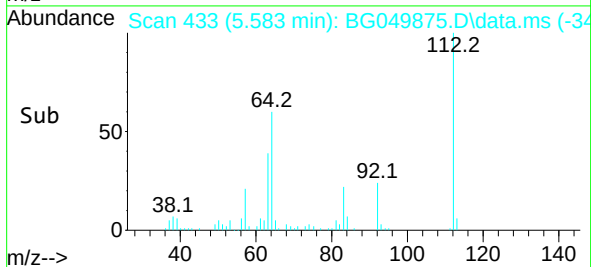
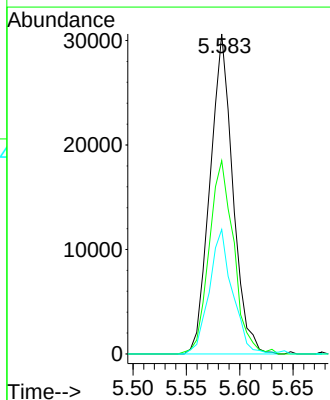
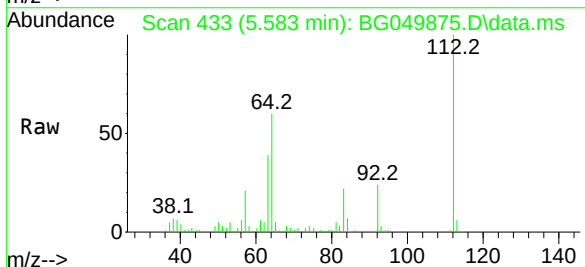
Instrument :
BNA_G
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VNJ-213

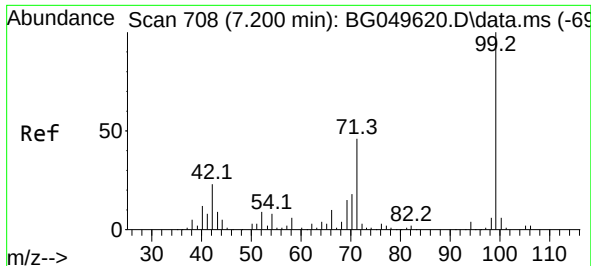
Tgt Ion:152 Resp: 28815
Ion Ratio Lower Upper
152 100
150 143.8 119.4 179.0
115 62.6 60.2 90.4



#5
2-Fluorophenol
Concen: 28.379 ng
RT: 5.583 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:112 Resp: 45617
Ion Ratio Lower Upper
112 100
64 60.4 46.7 70.1
63 38.9 35.3 52.9

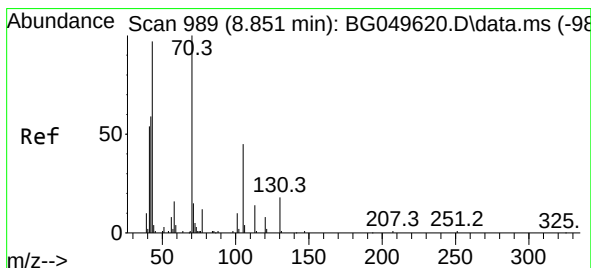
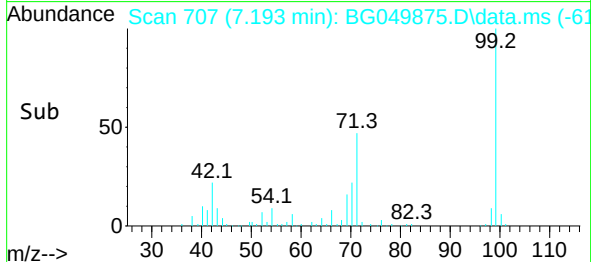
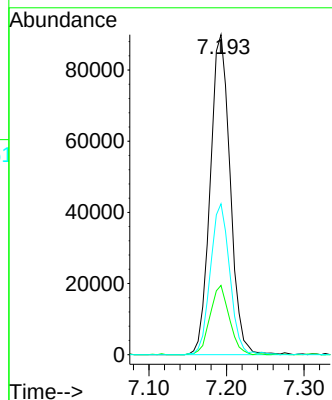
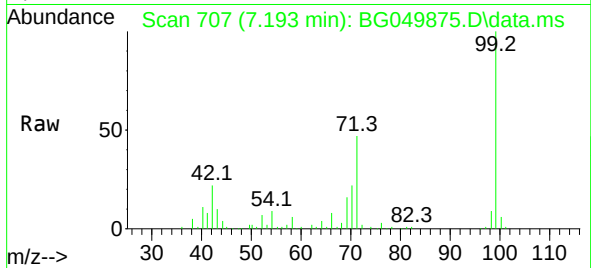




#7
Phenol-d6
Concen: 65.936 ng
RT: 7.193 min Scan# 707
Delta R.T. -0.001 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

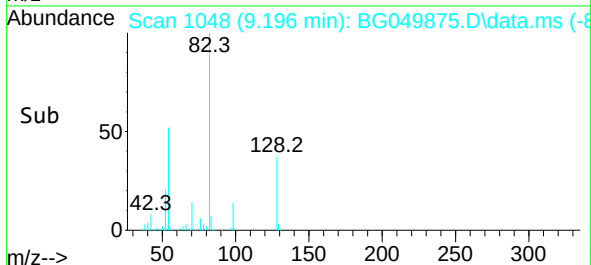
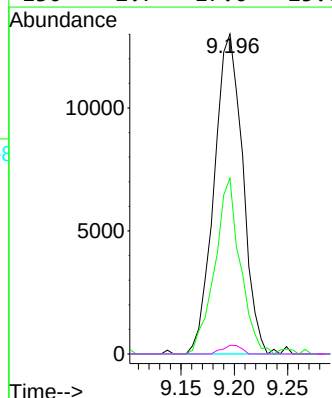
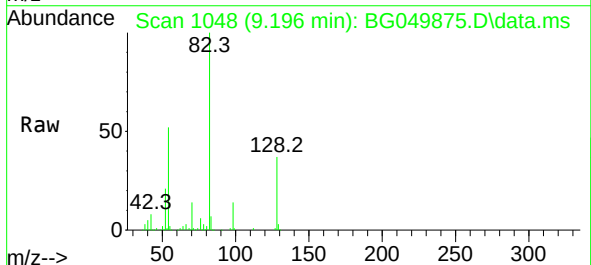
Instrument :
BNA_G
ClientSampleId :
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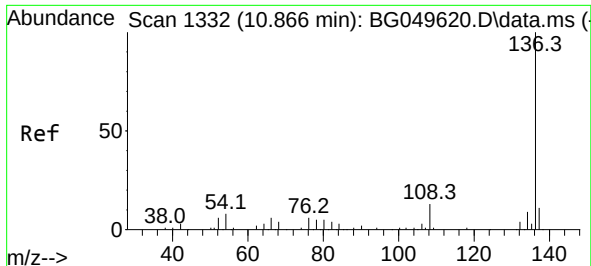
Tgt Ion: 99 Resp: 160439
Ion Ratio Lower Upper
99 100
42 21.7 20.5 30.7
71 47.1 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.862 ng
RT: 9.196 min Scan# 1048
Delta R.T. 0.357 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion: 70 Resp: 24200
Ion Ratio Lower Upper
70 100
42 54.9 54.5 81.7
101 0.0 9.0 13.6#
130 2.7 17.0 25.6#

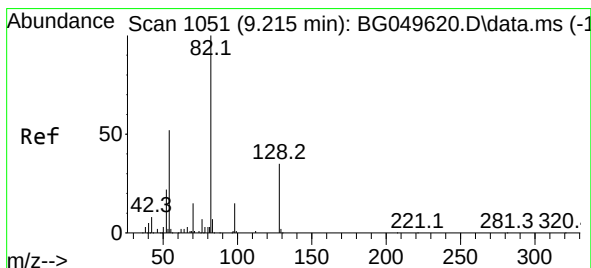
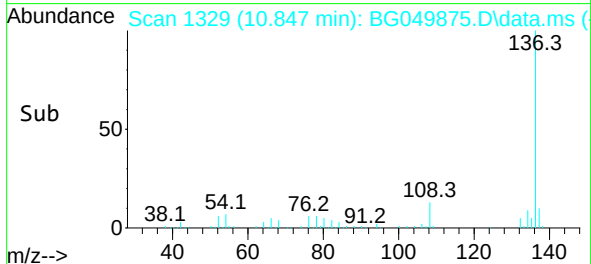
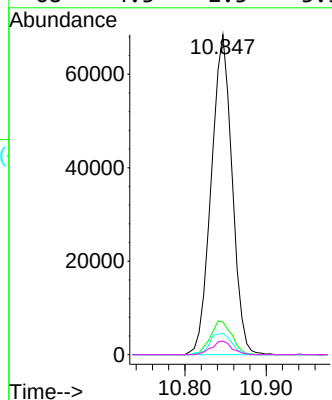
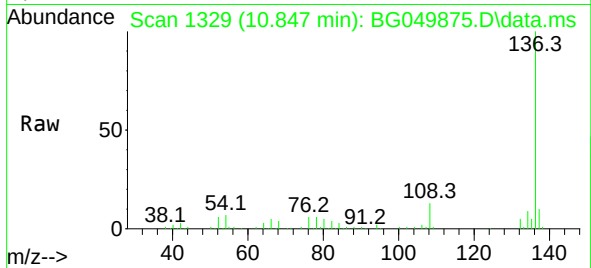




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.847 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

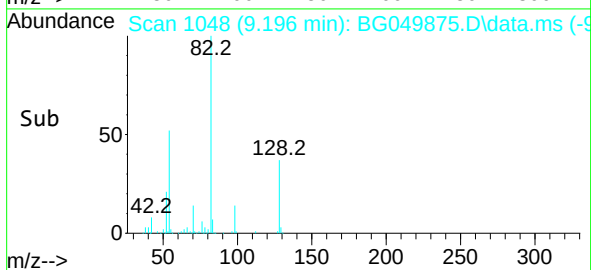
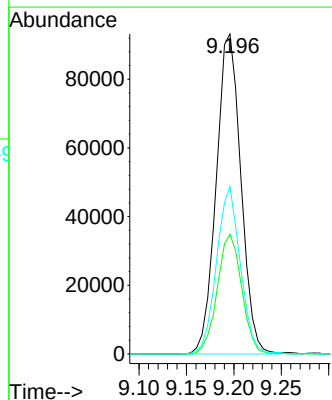
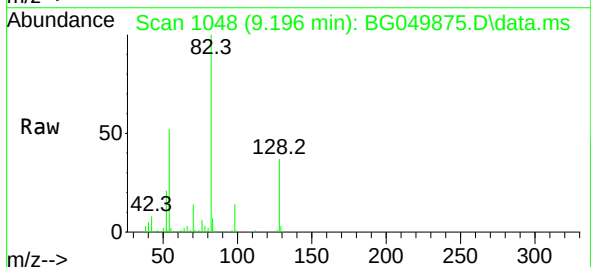
Instrument :
BNA_G
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VNJ-213

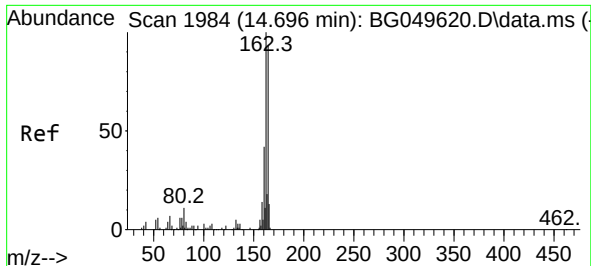
Tgt Ion:	136	Resp:	121871
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.2	12.2
54	6.7	5.5	8.3
68	4.3	2.3	3.5



#23
Nitrobenzene-d5
Concen: 61.191 ng
RT: 9.196 min Scan# 1048
Delta R.T. -0.001 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:	82	Resp:	168524
Ion Ratio	Lower	Upper	
82	100		
128	37.4	29.8	44.6
54	52.3	45.8	68.8

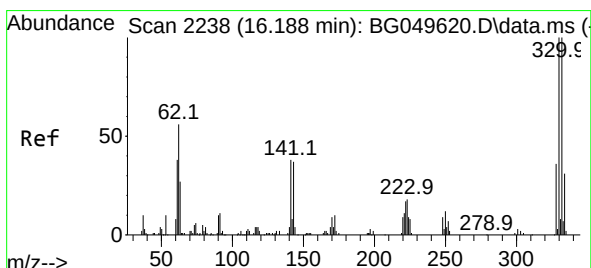
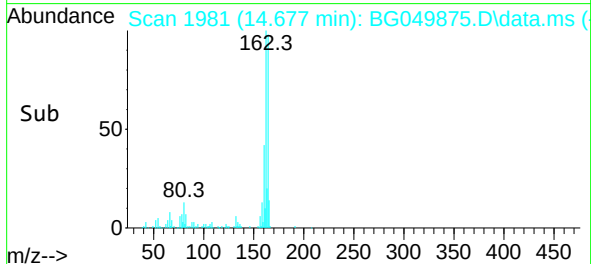
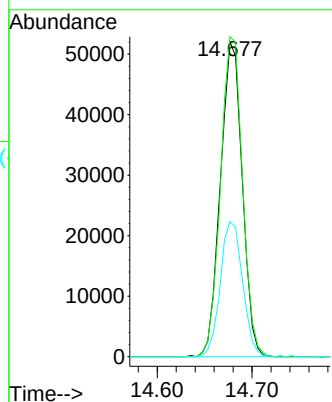
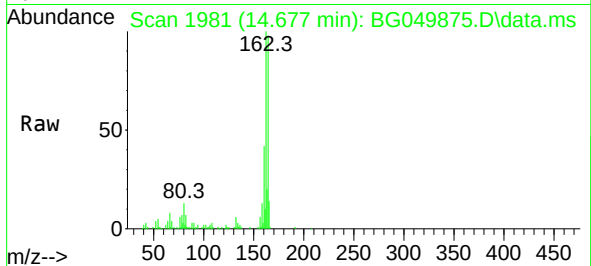




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.677 min Scan# 1981
Delta R.T. -0.007 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

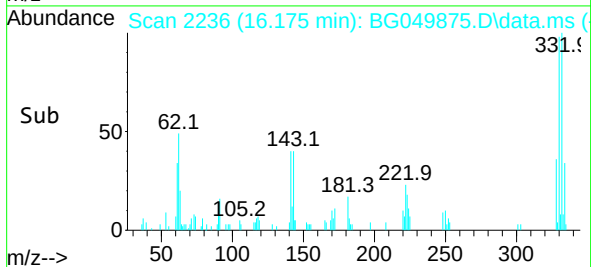
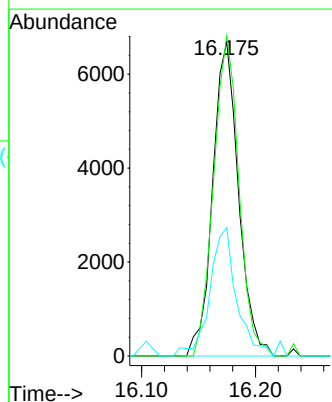
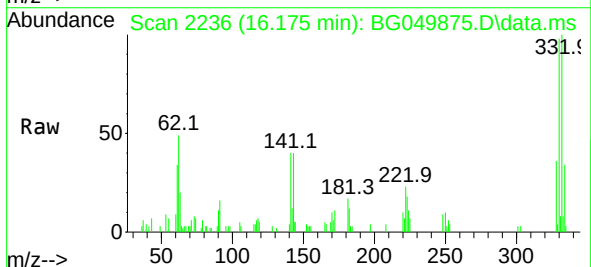
Instrument :
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ClientSampleId :
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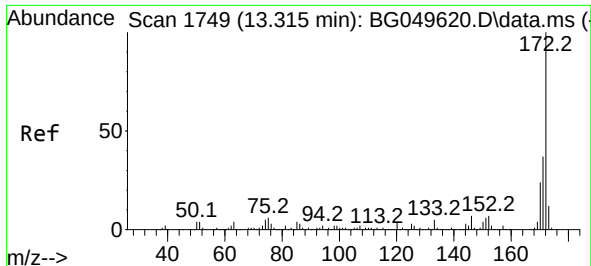
Tgt Ion:164 Resp: 83208
Ion Ratio Lower Upper
164 100
162 101.7 81.4 122.0
160 42.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 8.637 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.001 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:330 Resp: 10564
Ion Ratio Lower Upper
330 100
332 99.7 77.3 115.9
141 42.4 35.6 53.4

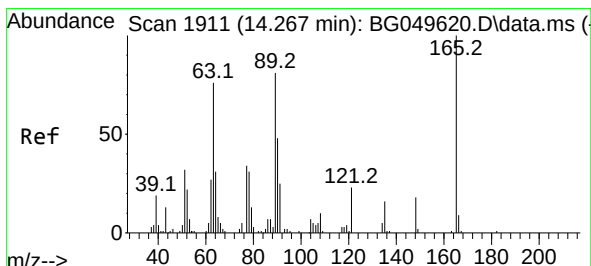
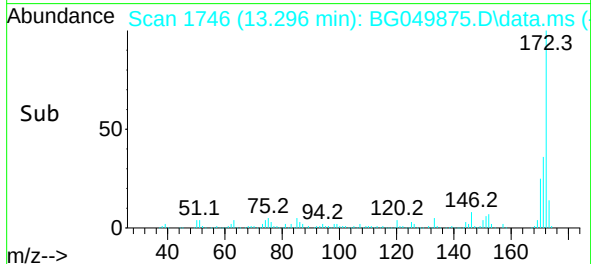
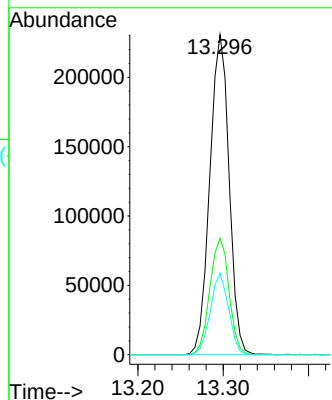
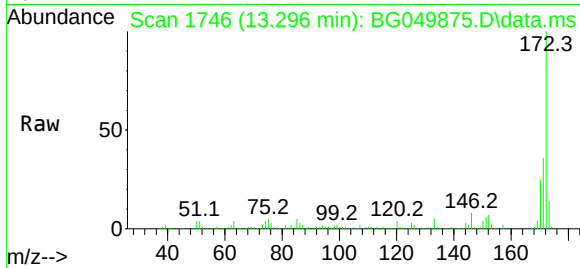




#45
2-Fluorobiphenyl
Concen: 63.260 ng
RT: 13.296 min Scan# 1746
Delta R.T. -0.007 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

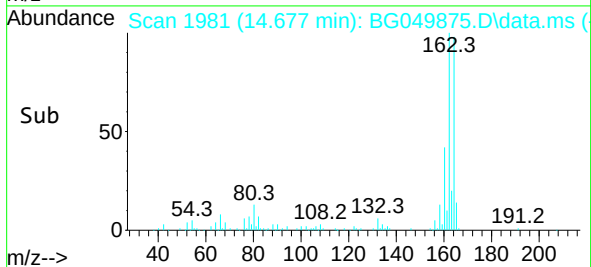
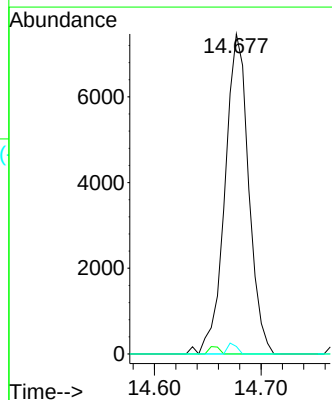
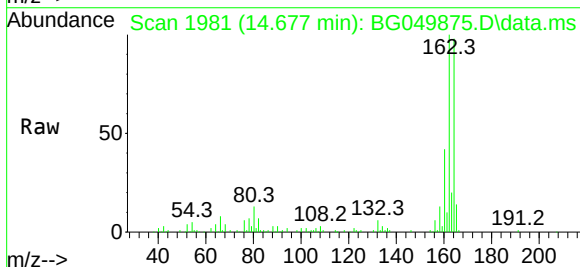
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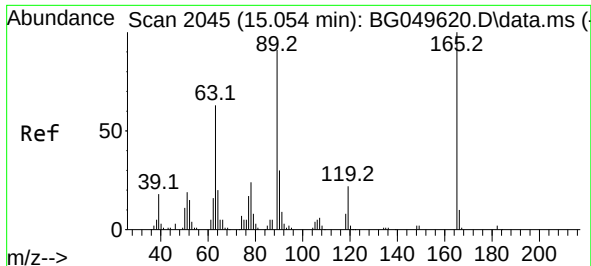
Tgt Ion:172 Resp: 361748
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 25.5 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.360 ng
RT: 14.677 min Scan# 1981
Delta R.T. 0.422 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

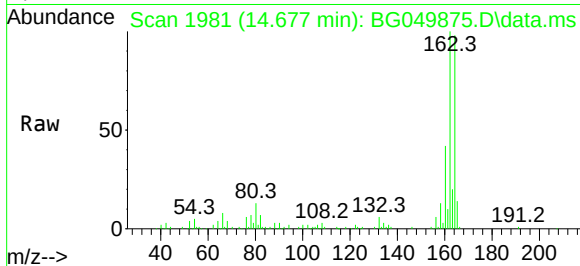
Tgt Ion:165 Resp: 11555
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.4 63.4 95.0#



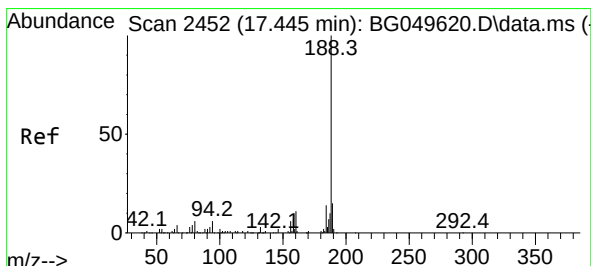
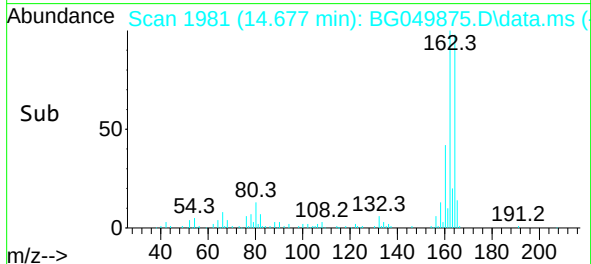
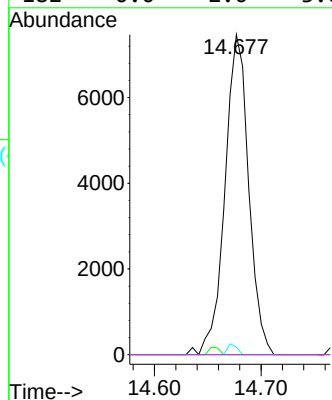


#57
2,4-Dinitrotoluene
Concen: 5.952 ng
RT: 14.677 min Scan# 1981
Delta R.T. -0.371 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Instrument :
BNA_G
ClientSampleId :
VNJ-213

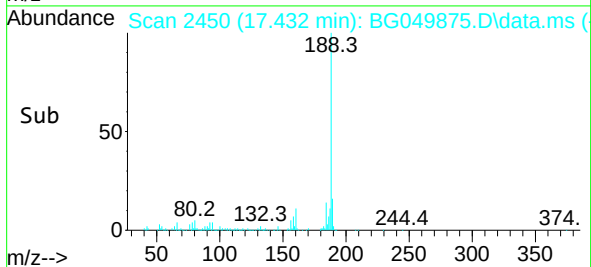
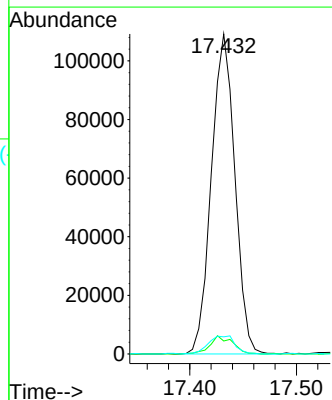
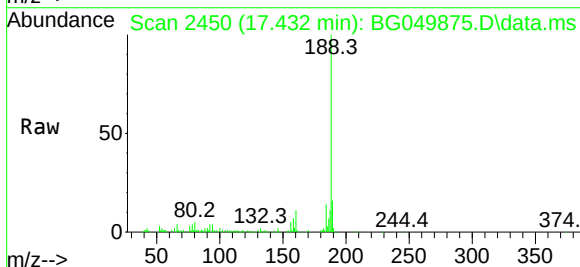


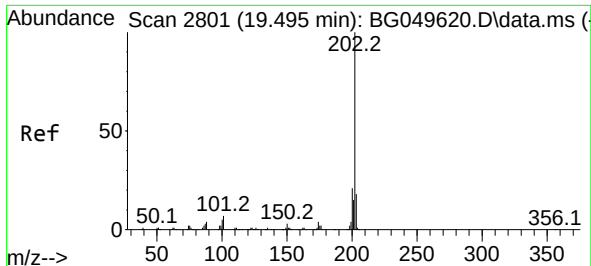
Tgt Ion:165 Resp: 11555
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.4 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.432 min Scan# 2450
Delta R.T. -0.007 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:188 Resp: 167074
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 5.4 3.7 5.5

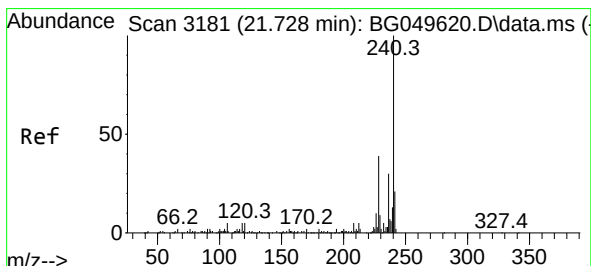
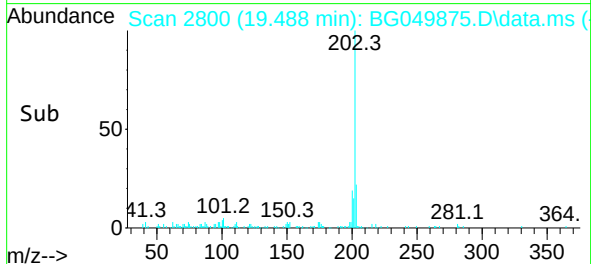
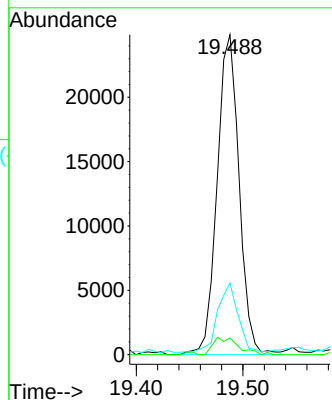
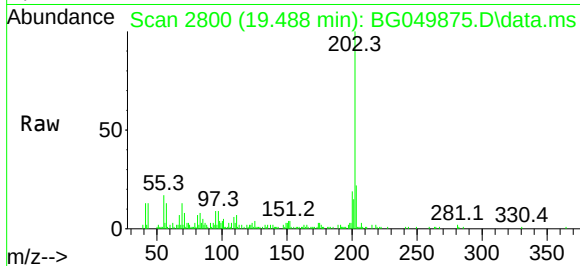




#75
Fluoranthene
Concen: 3.287 ng
RT: 19.488 min Scan# 2800
Delta R.T. -0.001 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

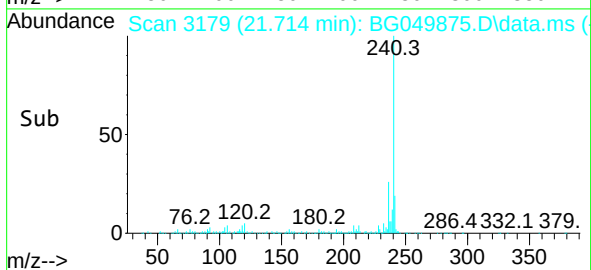
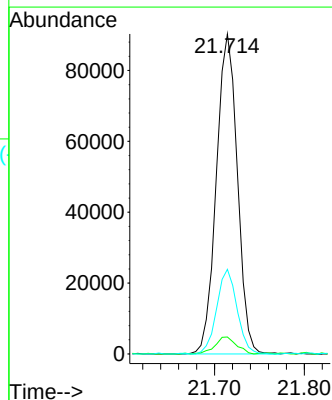
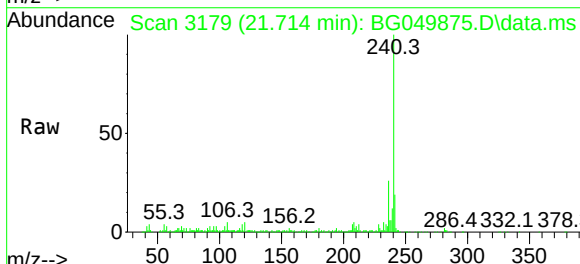
Instrument :
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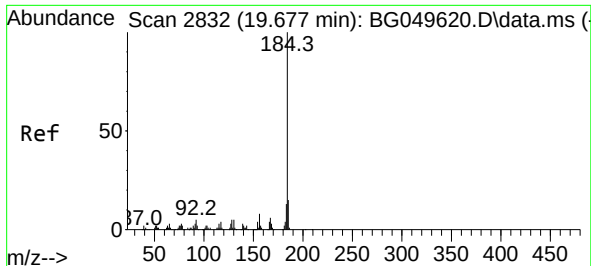
Tgt Ion:	202	Resp:	35557
Ion Ratio	Lower	Upper	
202	100		
101	5.2	0.0	24.7
203	22.4	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.714 min Scan# 3179
Delta R.T. -0.007 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:	240	Resp:	146784
Ion Ratio	Lower	Upper	
240	100		
120	5.3	4.2	6.2
236	26.5	21.8	32.6

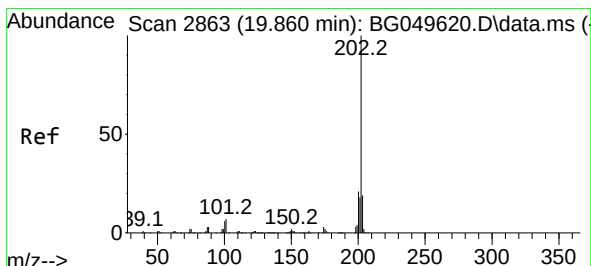
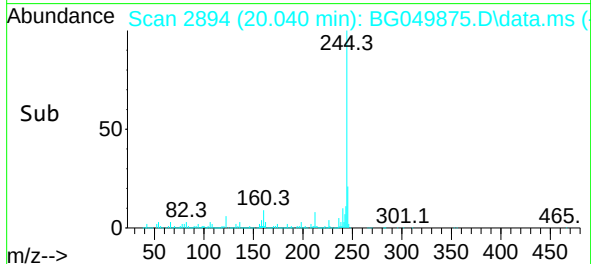
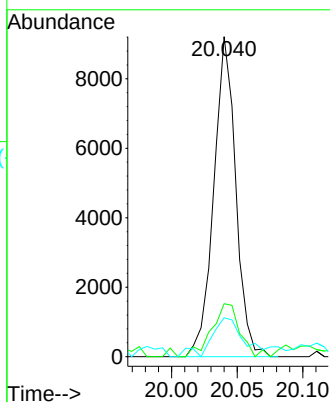
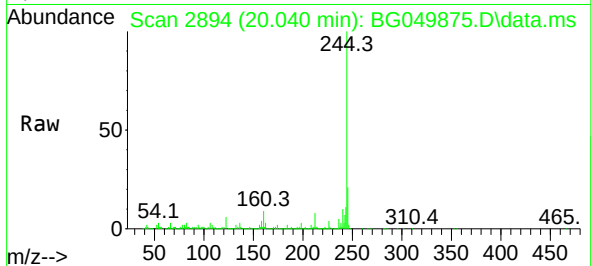




#77
Benzidine
Concen: 2.851 ng
RT: 20.040 min Scan# 2894
Delta R.T. 0.375 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

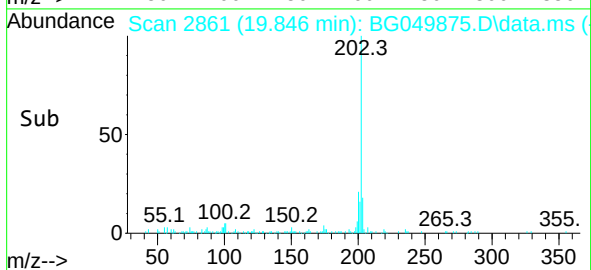
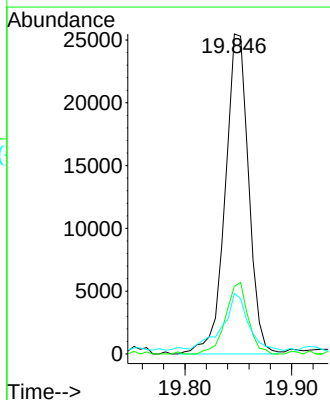
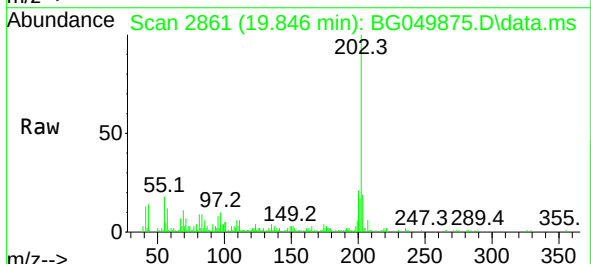
Instrument :
BNA_G
ClientSampleId :
VNJ-213

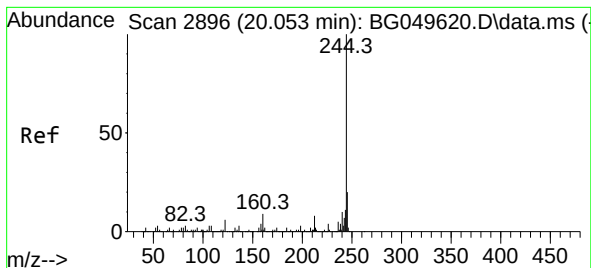
Tgt Ion:184 Resp: 10724
Ion Ratio Lower Upper
184 100
185 16.6 10.7 16.1#
183 12.2 9.4 14.0



#78
Pyrene
Concen: 3.882 ng
RT: 19.846 min Scan# 2861
Delta R.T. -0.007 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:202 Resp: 38852
Ion Ratio Lower Upper
202 100
200 21.1 15.8 23.8
203 18.9 14.6 21.8





#79

Terphenyl-d14

Concen: 63.712 ng

RT: 20.040 min Scan# 2894

Delta R.T. -0.007 min

Lab File: BG049875.D

Acq: 17 Aug 2021 13:05

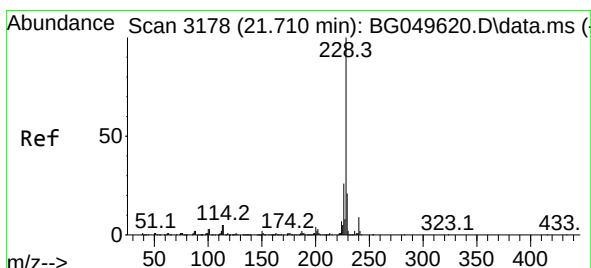
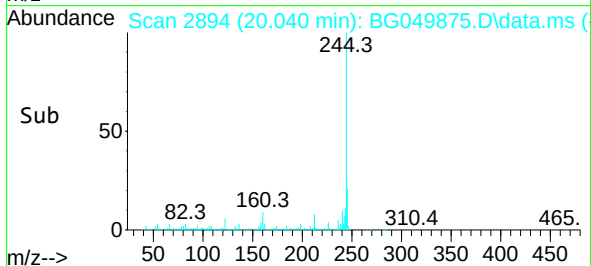
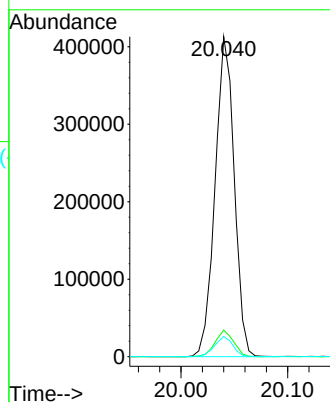
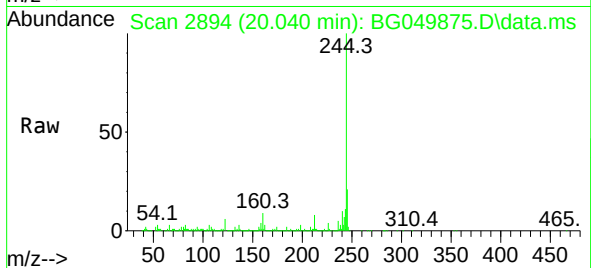
Instrument :

BNA_G

ClientSampleId :

VNJ-213

Tgt Ion:244	Resp: 514915
Ion Ratio	Lower Upper
244 100	
212 8.3	6.9 10.3
122 6.3	5.0 7.6



#81

Benzo(a)anthracene

Concen: 2.523 ng

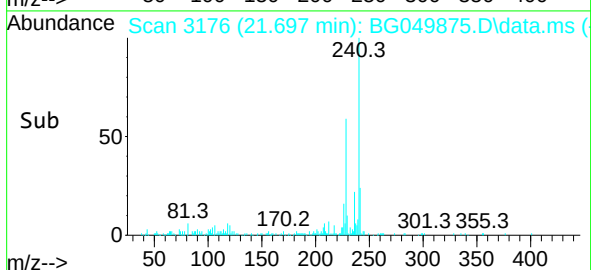
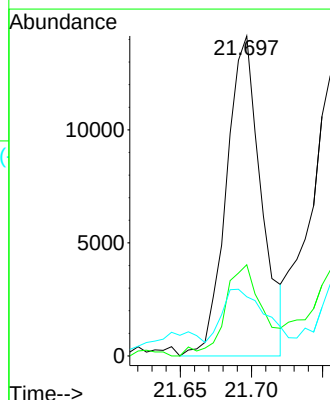
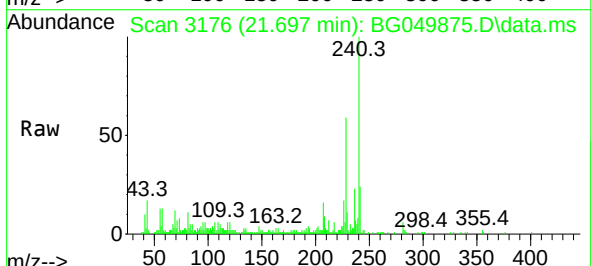
RT: 21.697 min Scan# 3176

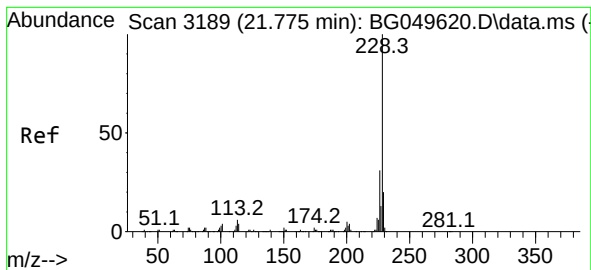
Delta R.T. -0.001 min

Lab File: BG049875.D

Acq: 17 Aug 2021 13:05

Tgt Ion:228	Resp: 24115
Ion Ratio	Lower Upper
228 100	
226 28.5	22.7 34.1
229 18.5	16.0 24.0

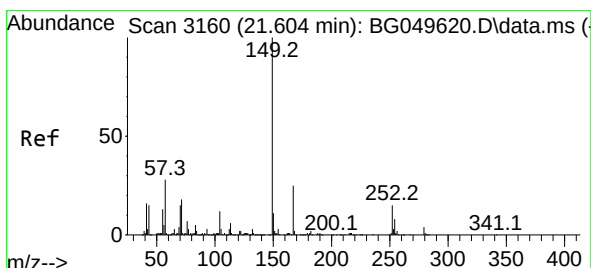
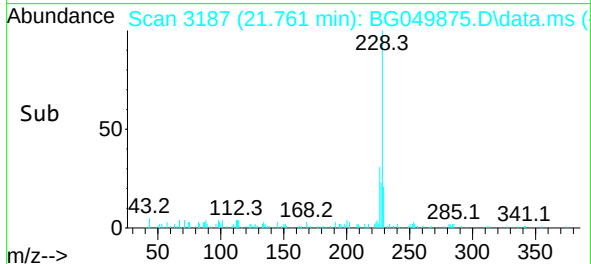
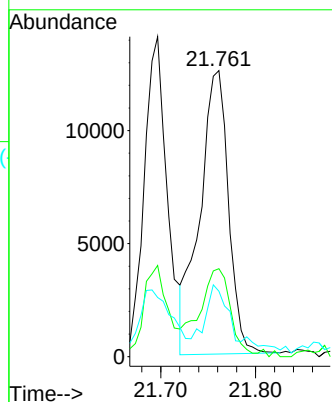
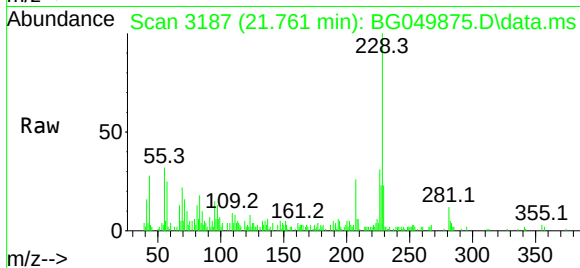




#83
Chrysene
Concen: 2.896 ng
RT: 21.761 min Scan# 3187
Delta R.T. -0.007 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

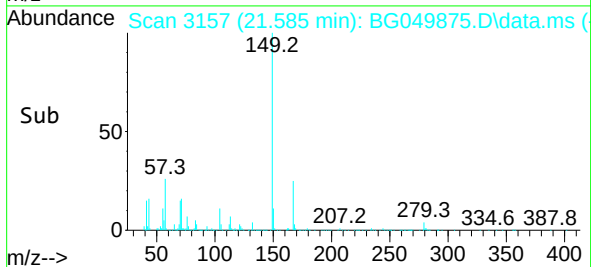
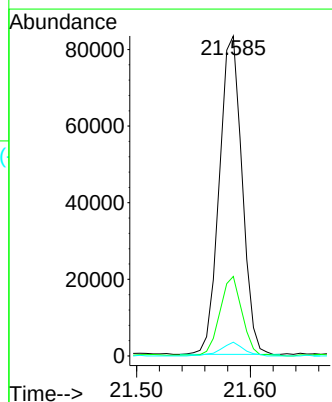
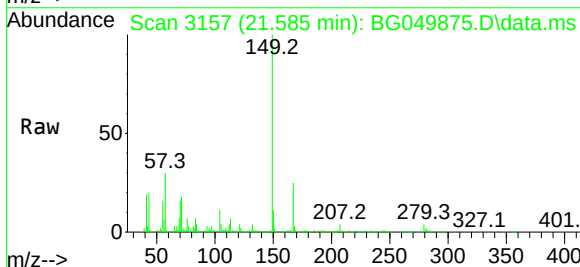
Instrument :
BNA_G
ClientSampleId :
VNJ-213

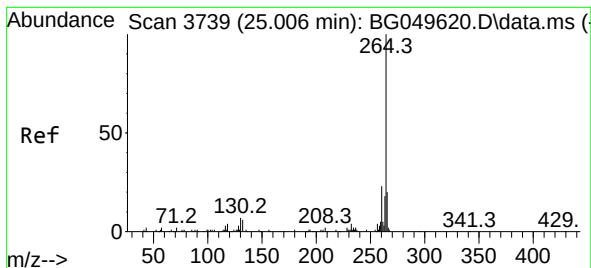
Tgt Ion:	228	Resp:	26465
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.1	34.7
229	22.9	15.3	22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 21.399 ng
RT: 21.585 min Scan# 3157
Delta R.T. -0.001 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:	149	Resp:	115440
Ion Ratio	Lower	Upper	
149	100		
167	24.9	22.3	33.5
279	4.3	3.8	5.8

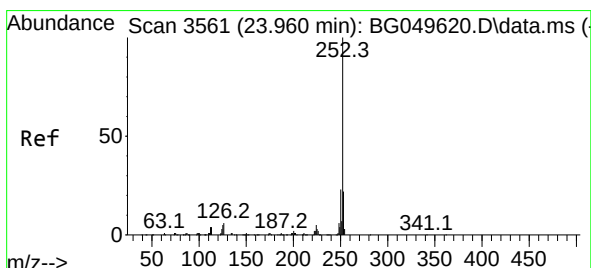
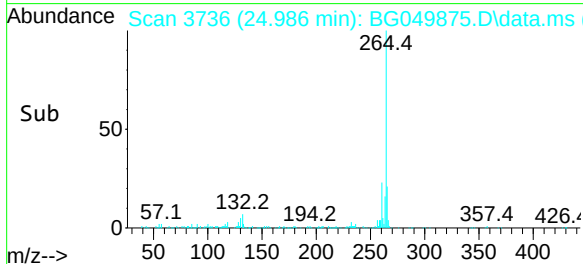
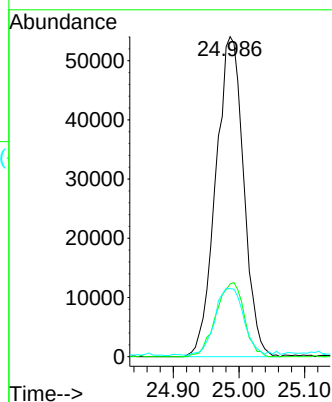
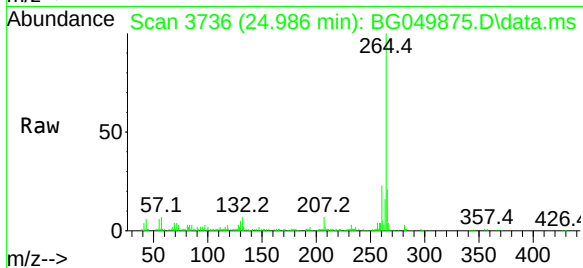




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.986 min Scan# 3736
 Delta R.T. -0.001 min
 Lab File: BG049875.D
 Acq: 17 Aug 2021 13:05

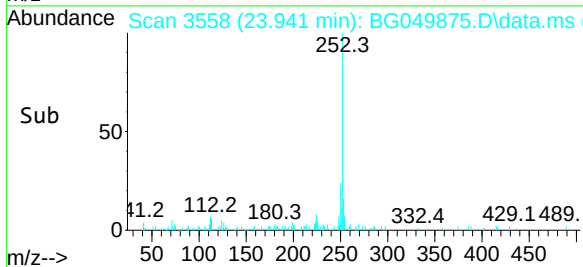
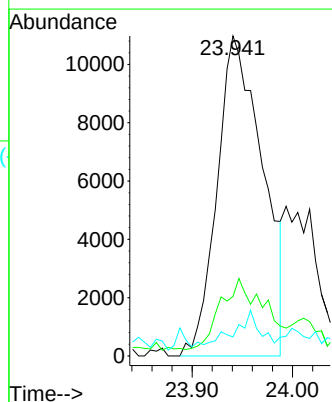
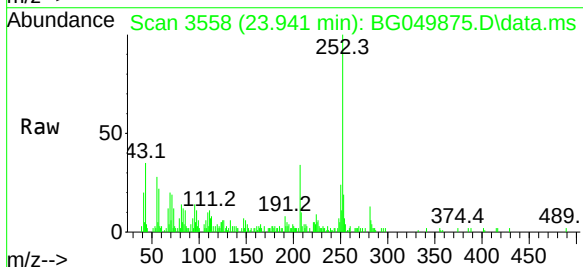
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-213

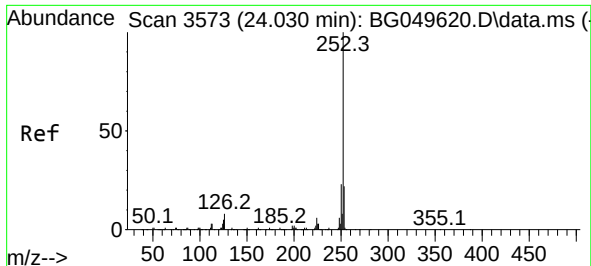
Tgt Ion:264 Resp: 159121
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.4 29.2
 265 21.2 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 3.314 ng
 RT: 23.941 min Scan# 3558
 Delta R.T. -0.013 min
 Lab File: BG049875.D
 Acq: 17 Aug 2021 13:05

Tgt Ion:252 Resp: 34589
 Ion Ratio Lower Upper
 252 100
 253 18.6 16.2 24.4
 125 6.0 3.0 4.4#

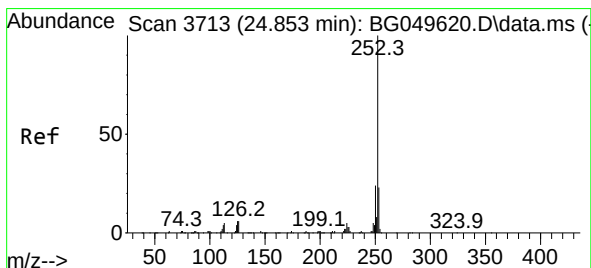
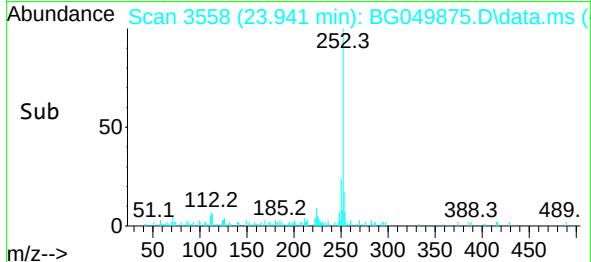
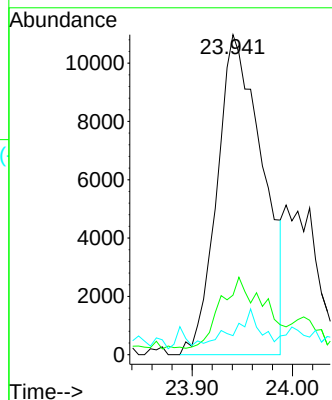
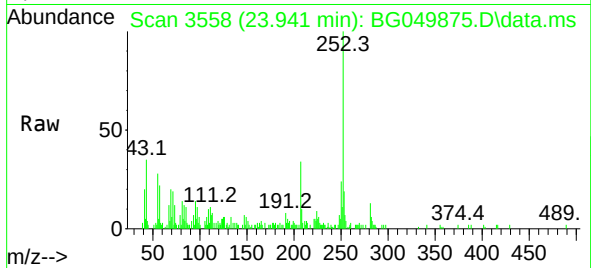




#89
Benzo(k)fluoranthene
Concen: 3.553 ng
RT: 23.941 min Scan# 3558
Delta R.T. -0.077 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

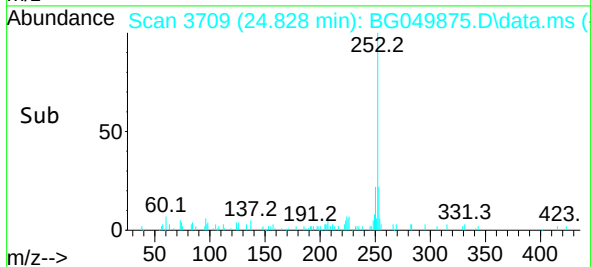
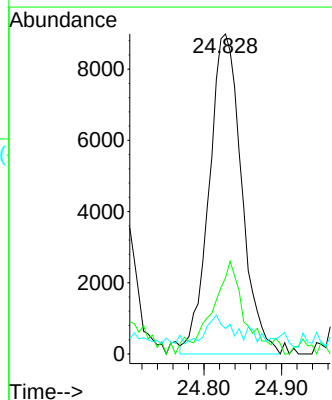
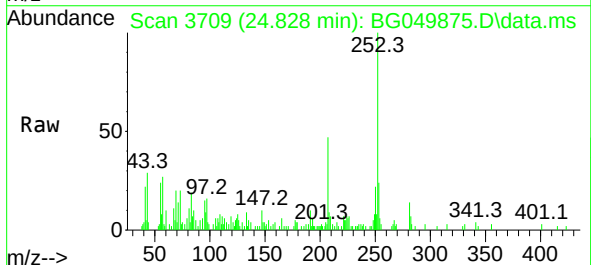
Instrument :
BNA_G
ClientSampleId :
VNJ-213

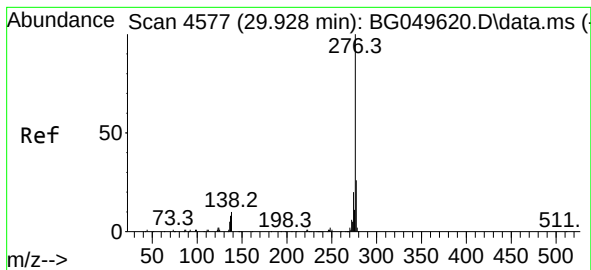
Tgt Ion:252 Resp: 34589
Ion Ratio Lower Upper
252 100
253 18.6 18.0 27.0
125 6.0 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 2.761 ng
RT: 24.828 min Scan# 3709
Delta R.T. -0.013 min
Lab File: BG049875.D
Acq: 17 Aug 2021 13:05

Tgt Ion:252 Resp: 26073
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 7.9 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 2.480 ng
 RT: 29.897 min Scan# 4572
 Delta R.T. -0.019 min
 Lab File: BG049875.D
 Acq: 17 Aug 2021 13:05

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-213

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.8	18.4	27.6#
138	12.8	7.0	10.6#

