

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080923\
 Data File : BG058667.D
 Acq On : 9 Aug 2023 20:44
 Operator : MA/JU
 Sample : 03945-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB01-Z88-90

Quant Time: Aug 10 02:56:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

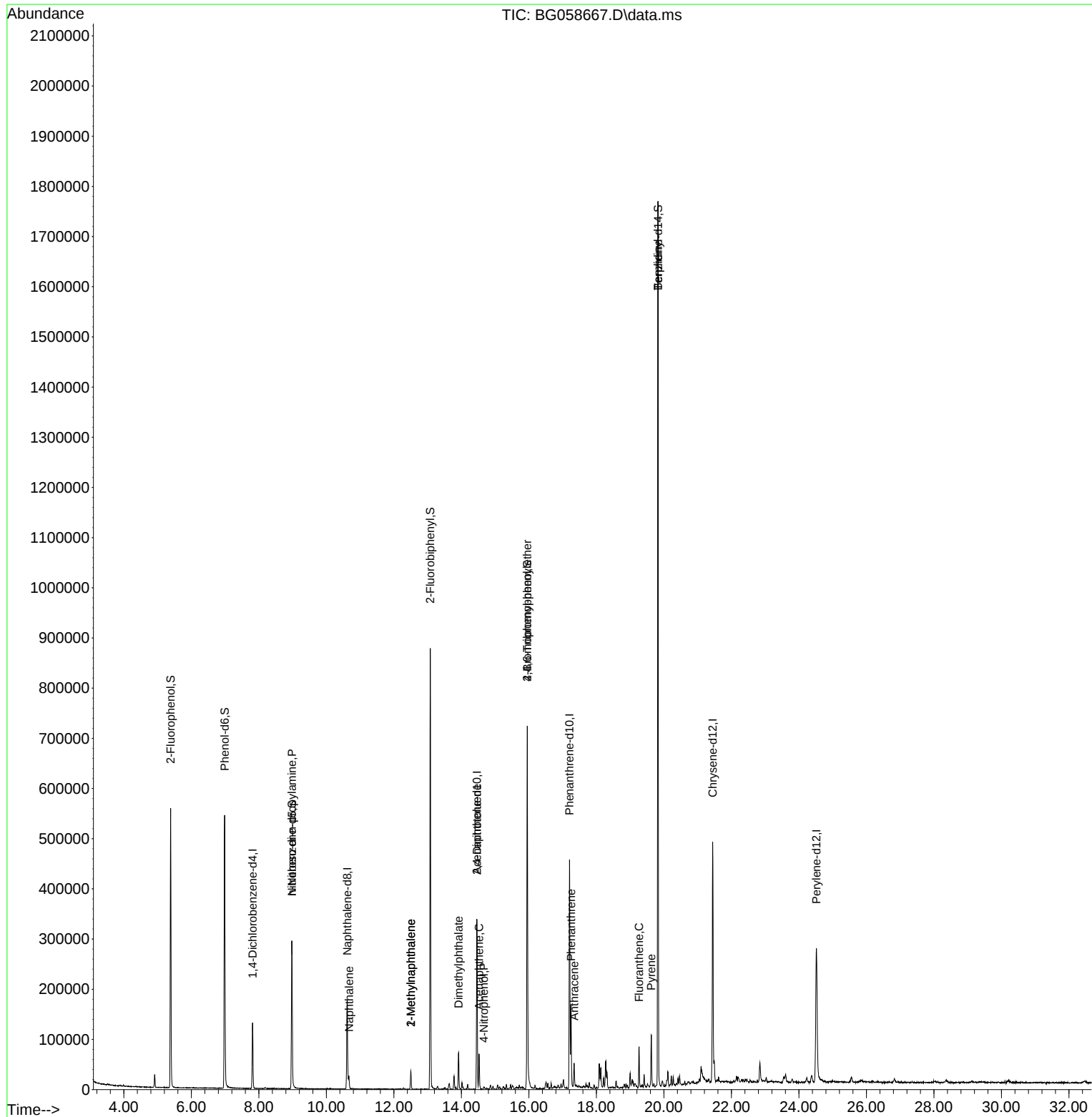
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	36791	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	157414	20.000	ng	0.00
39) Acenaphthene-d10	14.458	164	122248	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	302443	20.000	ng	0.00
76) Chrysene-d12	21.444	240	269999	20.000	ng	0.00
86) Perylene-d12	24.516	264	322161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.386	112	234734	97.519	ng	0.00
7) Phenol-d6	6.984	99	332754	99.347	ng	0.00
23) Nitrobenzene-d5	8.976	82	193723	60.456	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	170609	85.146	ng	0.00
45) 2-Fluorobiphenyl	13.077	172	482654	59.167	ng	0.00
79) Terphenyl-d14	19.822	244	897363	62.501	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.976	70	23628	10.921	ng	# 79
31) Naphthalene	10.668	128	21769	2.624	ng	97
37) 2-Methylnaphthalene	12.501	142	18755	3.160	ng	96
38) 1-Methylnaphthalene	12.501	142	18755	3.325	ng	# 95
50) Dimethylphthalate	13.917	163	55241	6.017	ng	98
52) Acenaphthene	14.522	154	25476	4.023	ng	100
56) 4-Nitrophenol	14.663	139	61	3.364	ng	# 3
57) 2,4-Dinitrotoluene	14.458	165	16254	5.820	ng	# 23
67) 4-Bromophenyl-phenylether	15.950	248	10336	3.013	ng	# 1
71) Phenanthrene	17.248	178	104558	7.290	ng	97
72) Anthracene	17.342	178	33078	2.248	ng	97
75) Fluoranthene	19.264	202	47879	2.779	ng	99
77) Benzidine	19.822	184	11363	2.775	ng	# 93
78) Pyrene	19.622	202	67982	3.700	ng	98

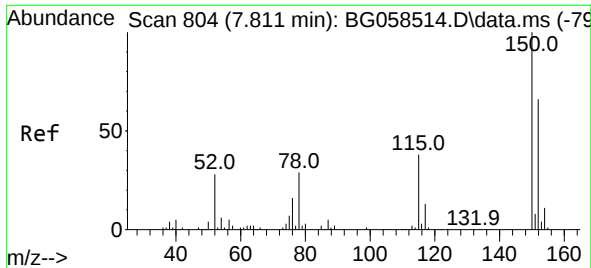
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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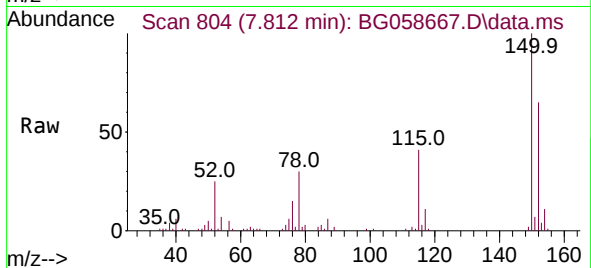
Quant Time: Aug 10 02:56:15 2023
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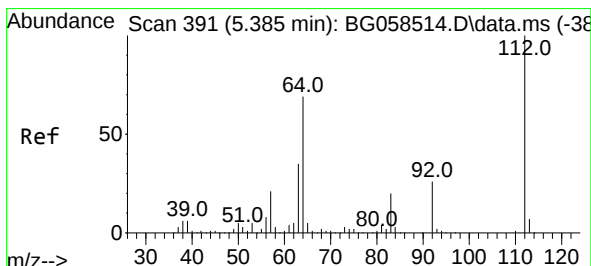
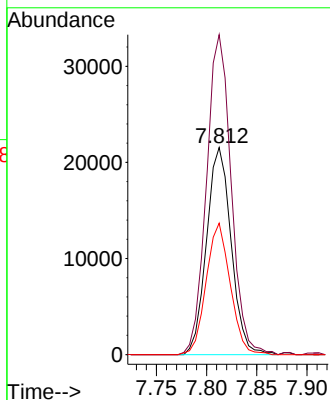
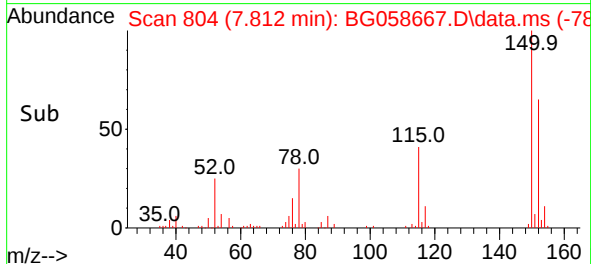


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

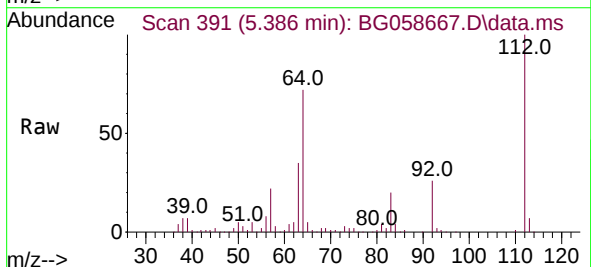
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90



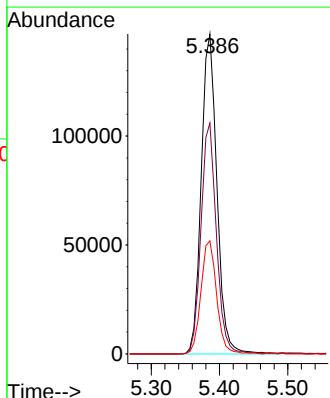
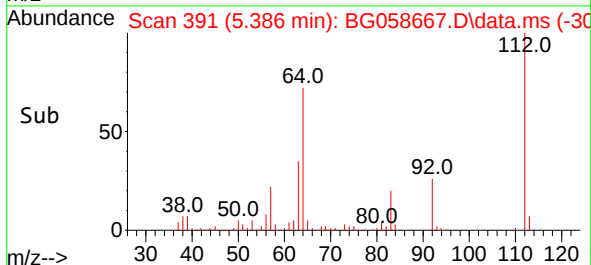
Tgt Ion:152 Resp: 36791
Ion Ratio Lower Upper
152 100
150 154.5 120.5 180.7
115 63.5 45.9 68.9

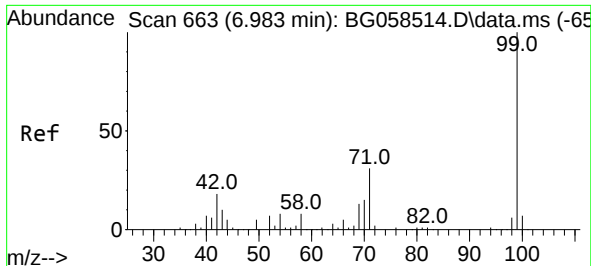


#5
2-Fluorophenol
Concen: 97.519 ng
RT: 5.386 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44



Tgt Ion:112 Resp: 234734
Ion Ratio Lower Upper
112 100
64 72.1 55.3 82.9
63 35.3 28.3 42.5

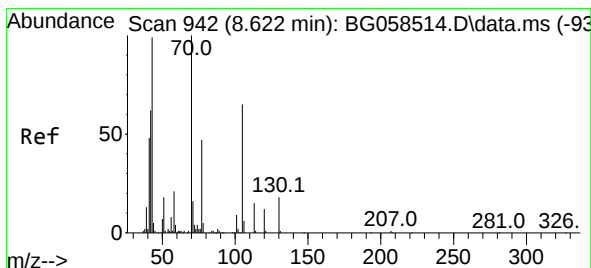
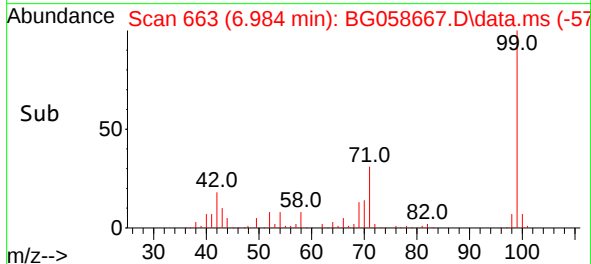
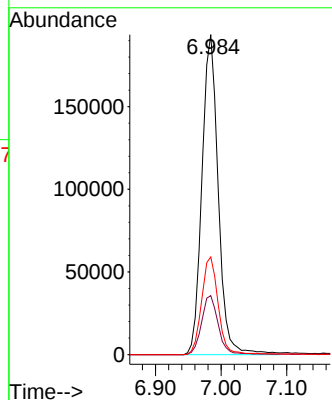
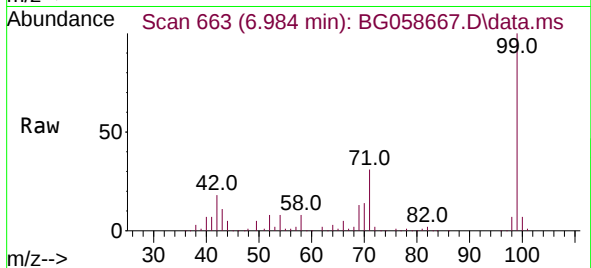




#7
Phenol-d6
Concen: 99.347 ng
RT: 6.984 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

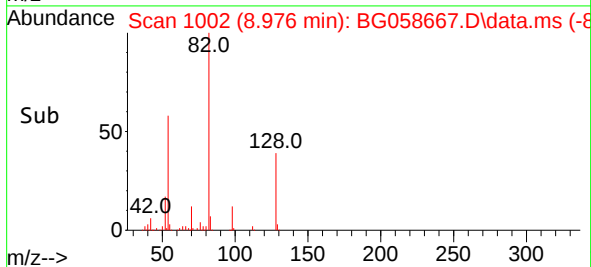
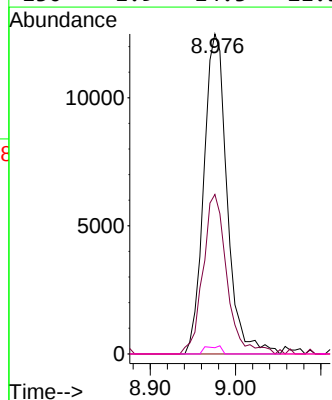
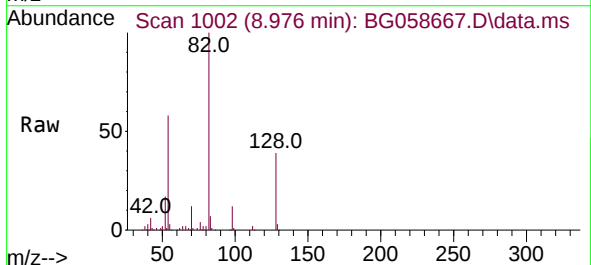
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90

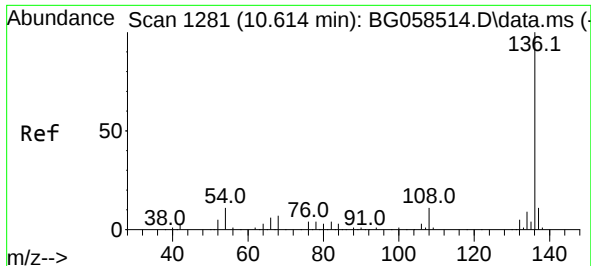
Tgt Ion: 99 Resp: 332754
Ion Ratio Lower Upper
99 100
42 18.5 14.6 21.8
71 30.5 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.921 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.354 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

Tgt Ion: 70 Resp: 23628
Ion Ratio Lower Upper
70 100
42 49.8 49.7 74.5
101 0.0 7.0 10.4#
130 1.9 14.3 21.5#

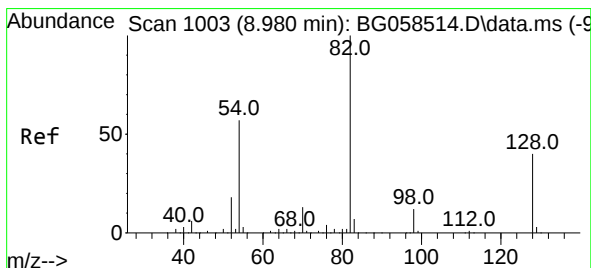
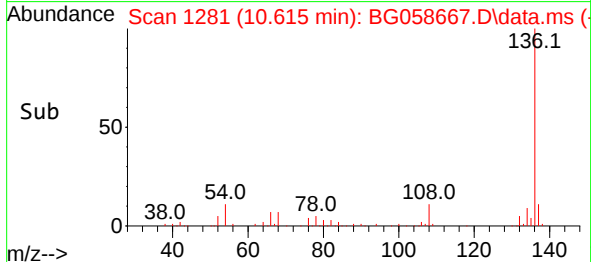
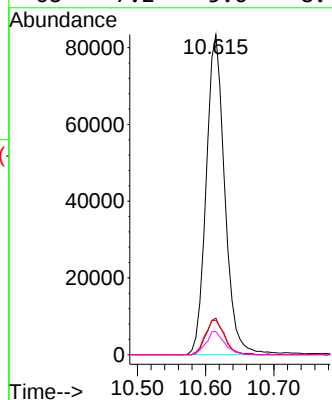
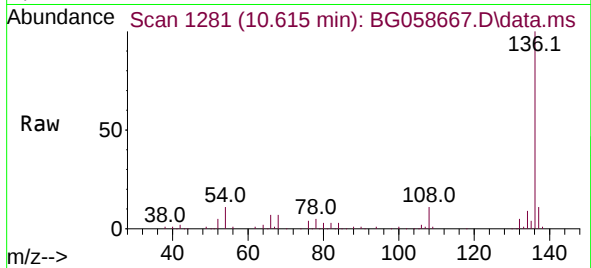




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.615 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

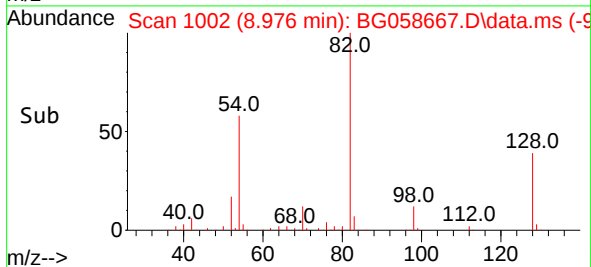
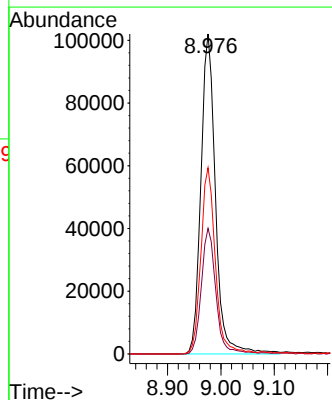
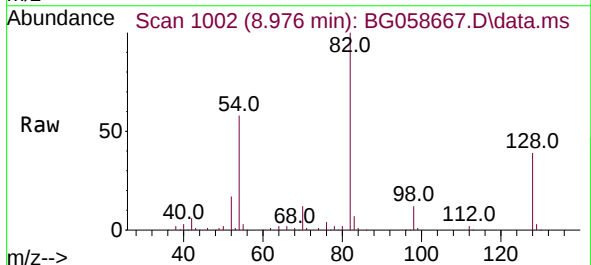
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90

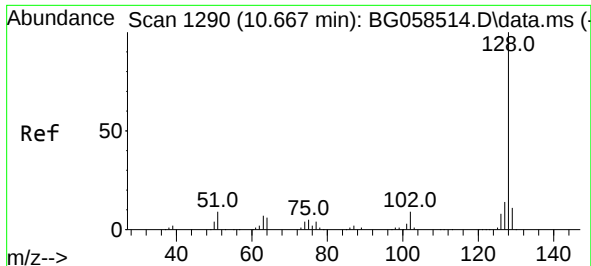
Tgt Ion:	136	Resp:	157414
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	10.7	8.9	13.3
68	7.2	5.6	8.4



#23
Nitrobenzene-d5
Concen: 60.456 ng
RT: 8.976 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

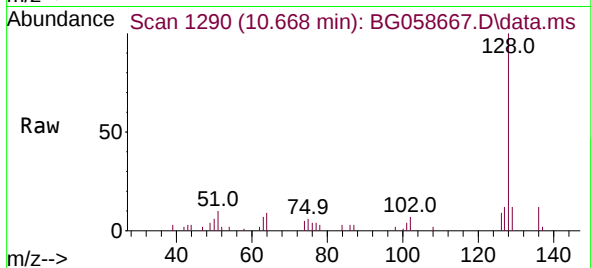
Tgt Ion:	82	Resp:	193723
Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.2	48.2
54	58.2	46.0	69.0



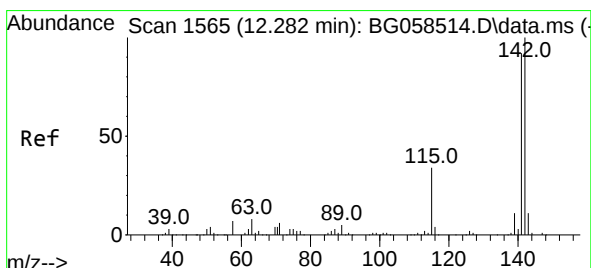
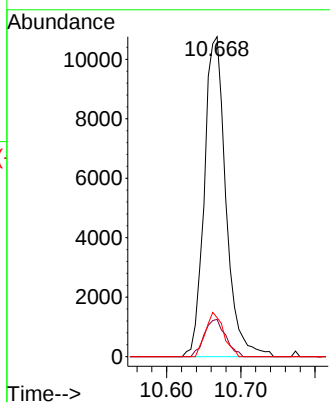
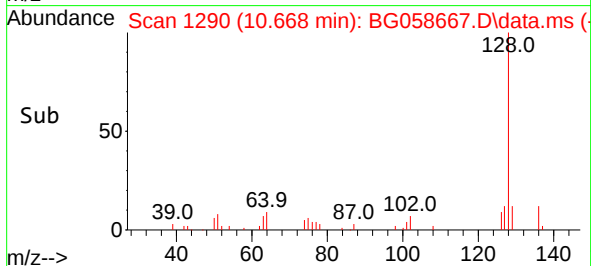


#31
Naphthalene
Concen: 2.624 ng
RT: 10.668 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

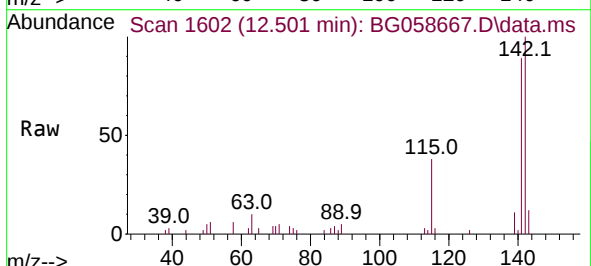
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BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90



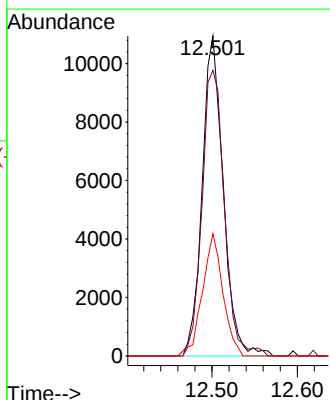
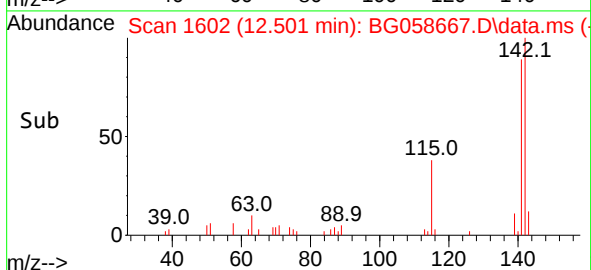
Tgt Ion:128 Resp: 21769
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 12.2 10.9 16.3

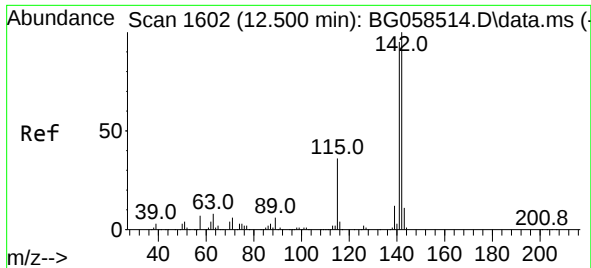


#37
2-Methylnaphthalene
Concen: 3.160 ng
RT: 12.501 min Scan# 1602
Delta R.T. 0.219 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44



Tgt Ion:142 Resp: 18755
Ion Ratio Lower Upper
142 100
141 89.2 73.5 110.3
115 38.1 27.4 41.0

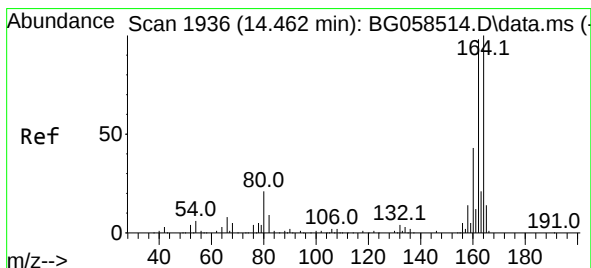
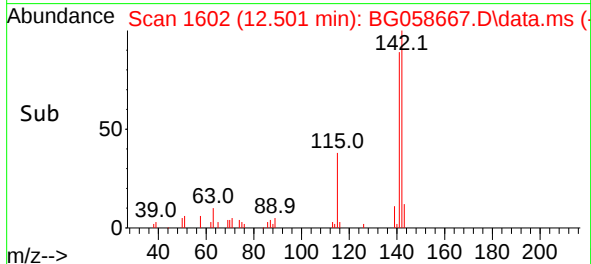
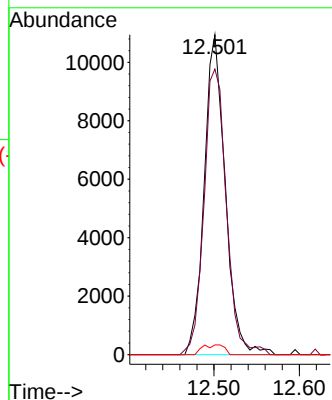
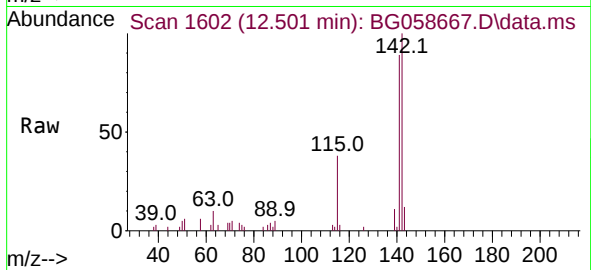




#38
1-Methylnaphthalene
Concen: 3.325 ng
RT: 12.501 min Scan# 1602
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

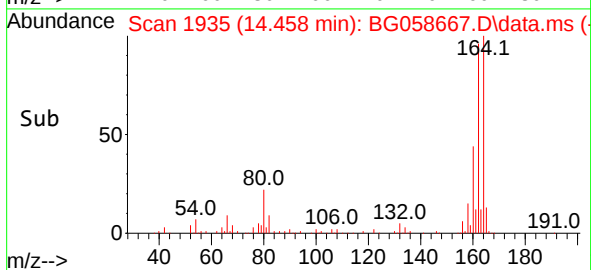
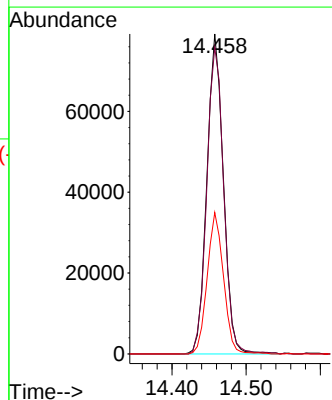
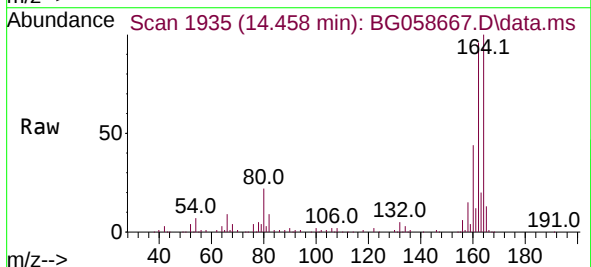
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ClientSampleId :
NEVINS-SB01-Z88-90

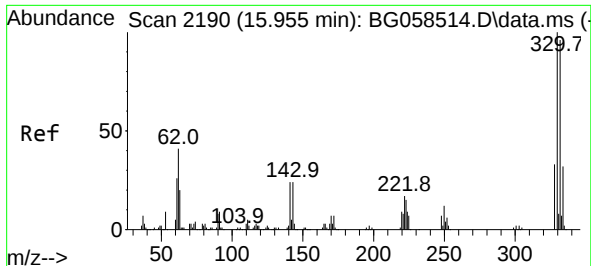
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Ion Ratio Lower Upper
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141 89.2 75.7 113.5
116 3.0 3.2 4.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.458 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

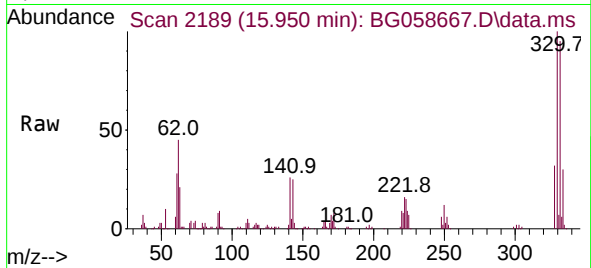
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Ion Ratio Lower Upper
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162 95.7 78.3 117.5
160 44.2 34.1 51.1



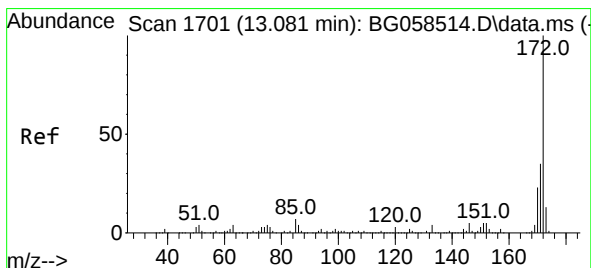
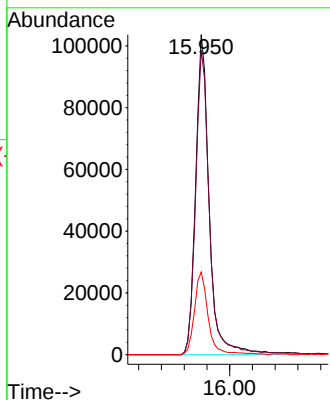
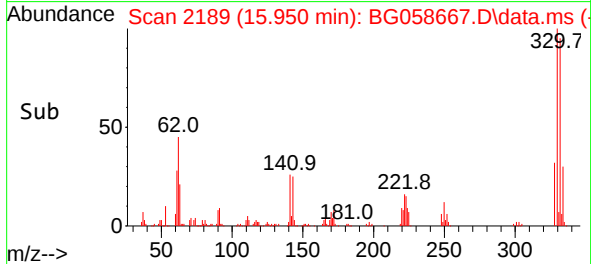


#42
 2,4,6-Tribromophenol
 Concen: 85.146 ng
 RT: 15.950 min Scan# 2190
 Delta R.T. -0.005 min
 Lab File: BG058667.D
 Acq: 9 Aug 2023 20:44

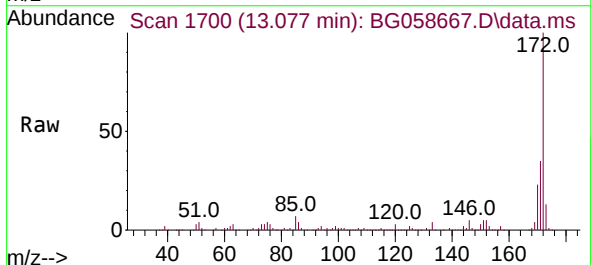
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 NEVINS-SB01-Z88-90



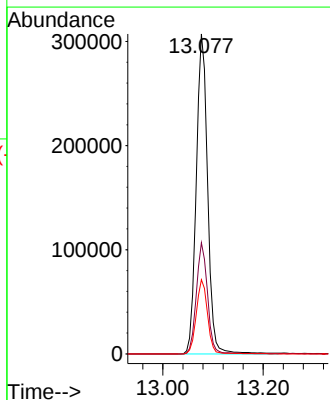
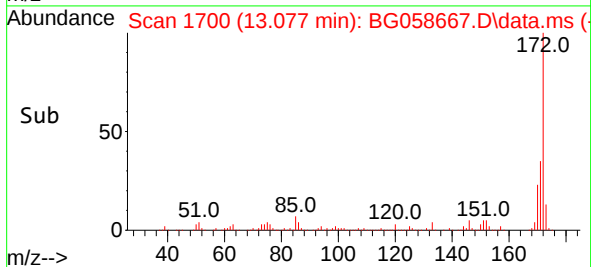
Tgt Ion:330 Resp: 170609
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.5 116.3
 141 26.2 20.7 31.1

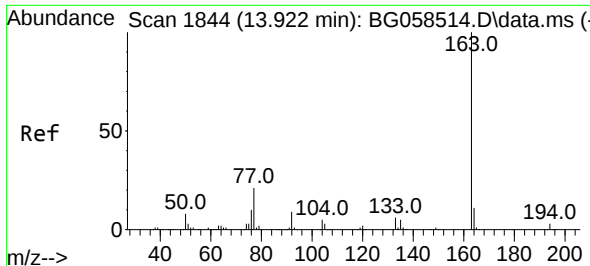


#45
 2-Fluorobiphenyl
 Concen: 59.167 ng
 RT: 13.077 min Scan# 1700
 Delta R.T. -0.005 min
 Lab File: BG058667.D
 Acq: 9 Aug 2023 20:44



Tgt Ion:172 Resp: 482654
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.0 42.0
 170 23.2 18.4 27.6

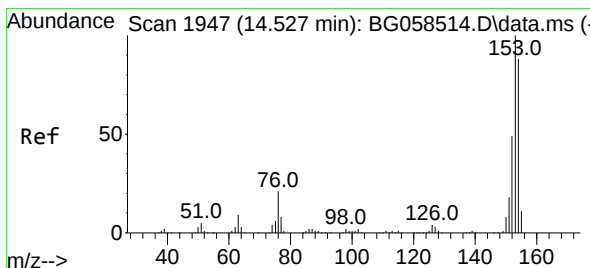
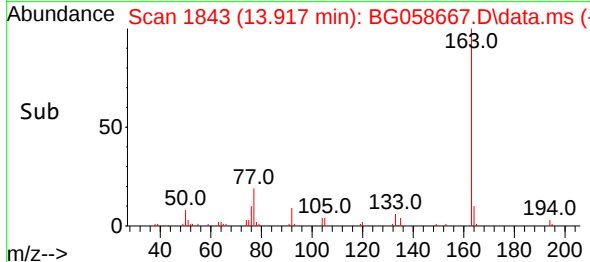
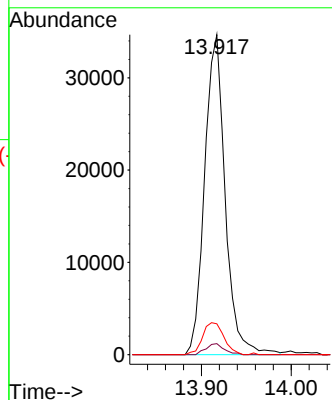
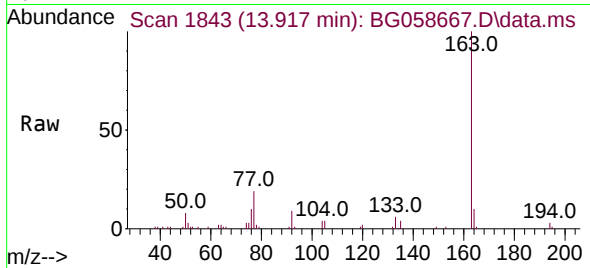




#50
Dimethylphthalate
Concen: 6.017 ng
RT: 13.917 min Scan# 1843
Delta R.T. -0.005 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

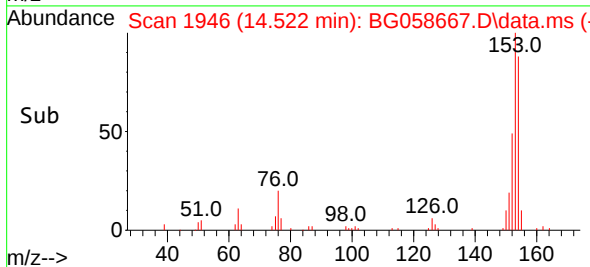
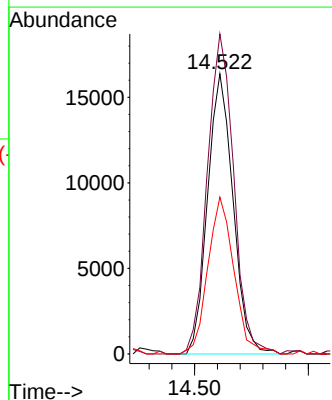
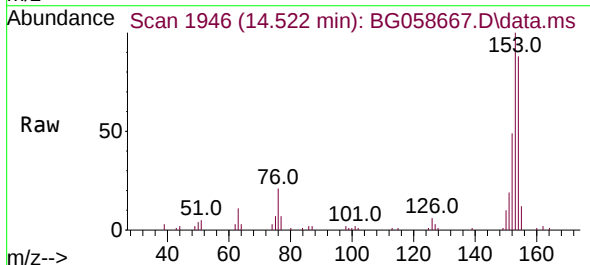
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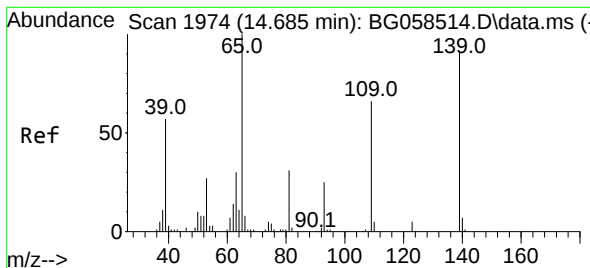
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Ion Ratio Lower Upper
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194 3.4 2.7 4.1
164 9.7 8.6 12.8



#52
Acenaphthene
Concen: 4.023 ng
RT: 14.522 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

Tgt Ion:154 Resp: 25476
Ion Ratio Lower Upper
154 100
153 114.3 91.1 136.7
152 56.0 44.6 66.8

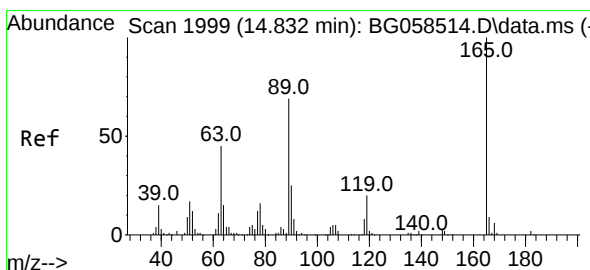
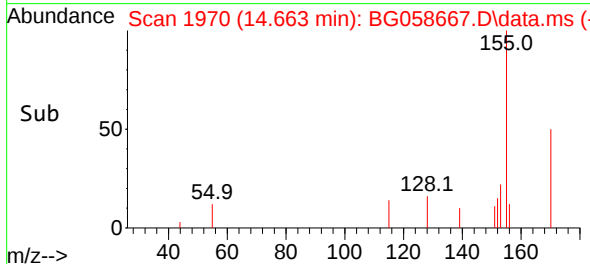
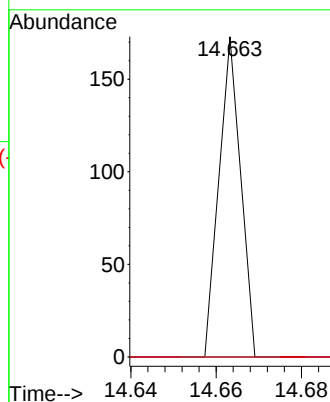
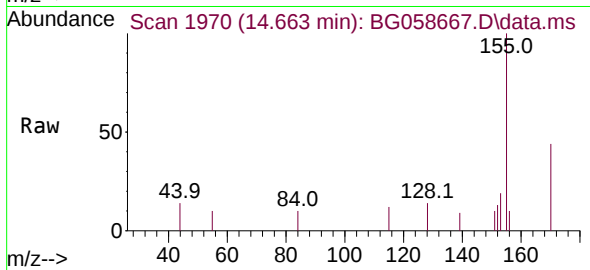




#56
4-Nitrophenol
Concen: 3.364 ng
RT: 14.663 min Scan# 1974
Delta R.T. -0.022 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

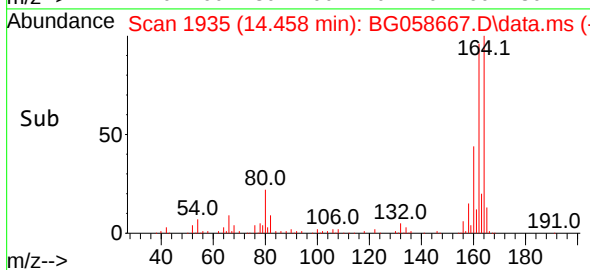
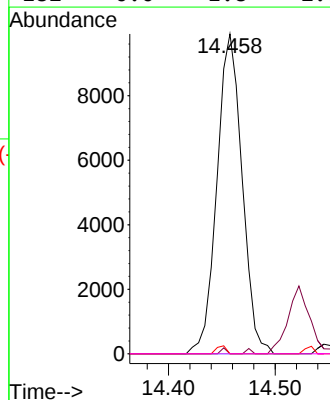
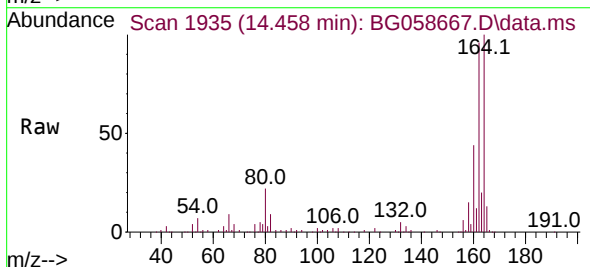
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90

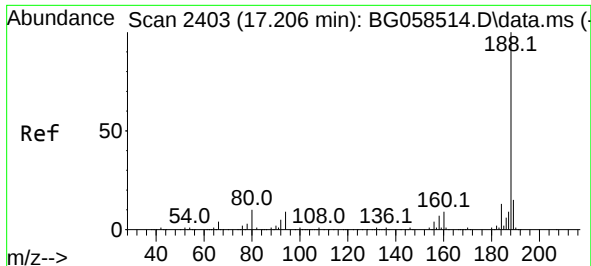
Tgt Ion:139	Resp:	61
Ion	Ratio	Lower Upper
139	100	
109	0.0	52.5 92.5#
65	0.0	90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 5.820 ng
RT: 14.458 min Scan# 1935
Delta R.T. -0.374 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

Tgt Ion:165	Resp:	16254
Ion	Ratio	Lower Upper
165	100	
63	0.0	36.6 54.8#
89	0.0	55.4 83.0#
182	0.0	1.8 2.6#

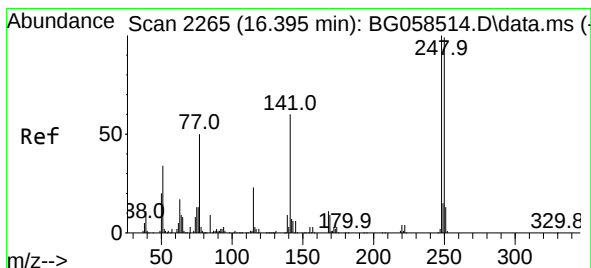
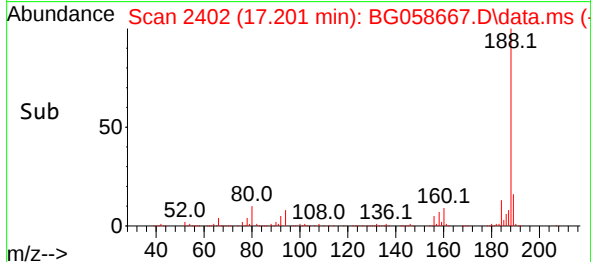
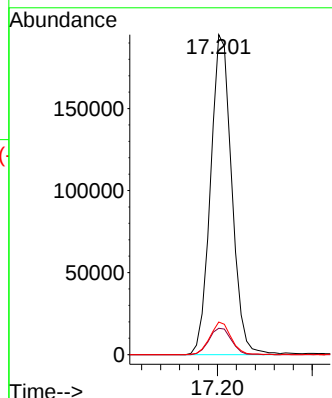
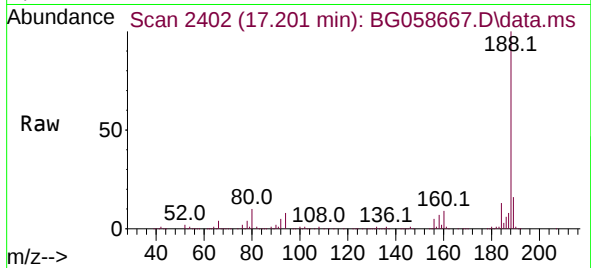




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

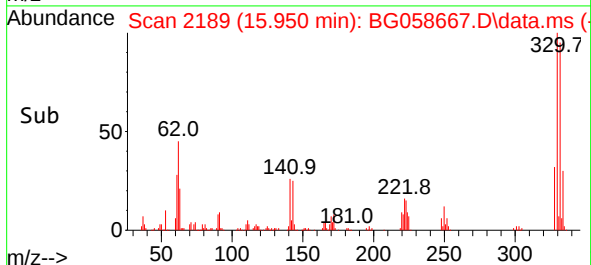
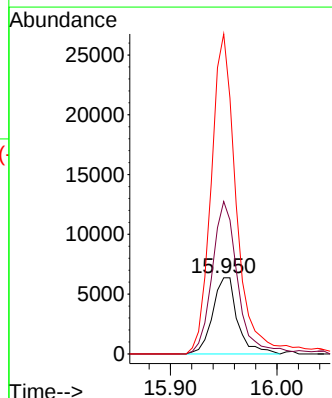
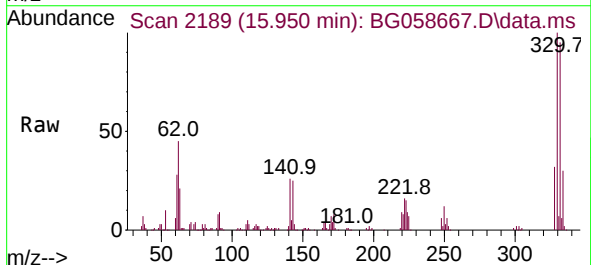
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90

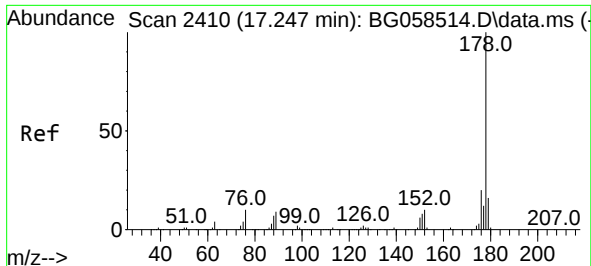
Tgt Ion:188 Resp: 302443
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.6
80 10.2 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 3.013 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.445 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

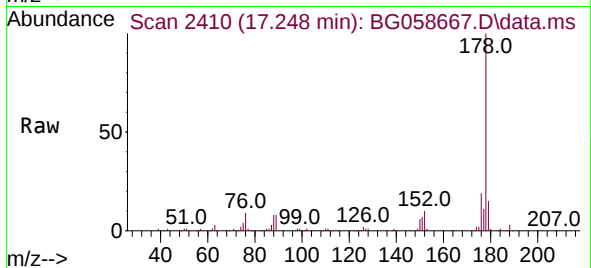
Tgt Ion:248 Resp: 10336
Ion Ratio Lower Upper
248 100
250 200.2 79.5 119.3#
141 420.4 48.2 72.2#



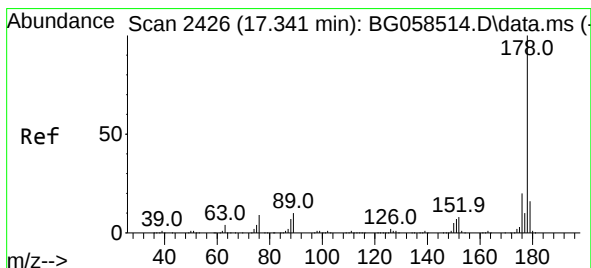
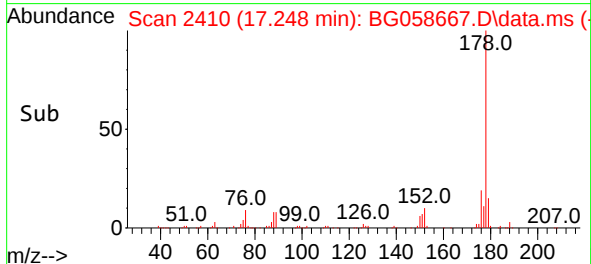
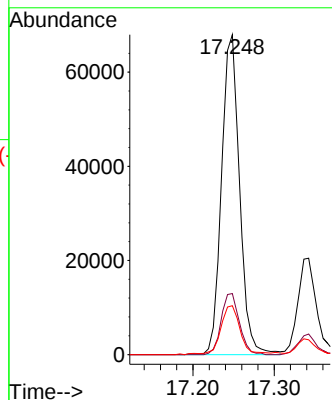


#71
Phenanthrene
Concen: 7.290 ng
RT: 17.248 min Scan# 2410
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90

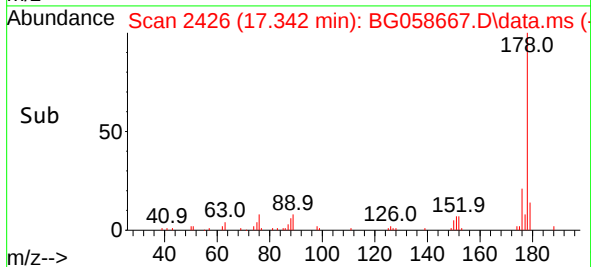
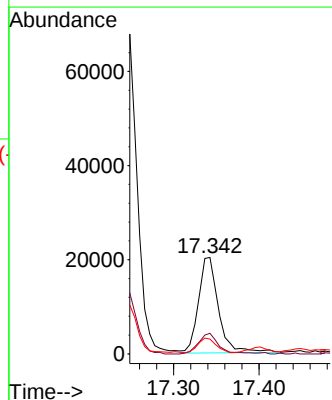
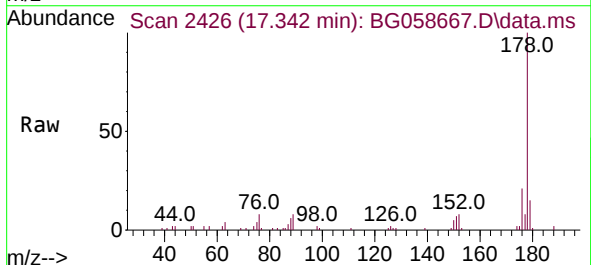


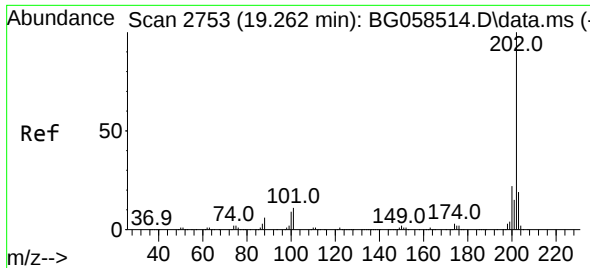
Tgt Ion:178 Resp: 104558
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.3 13.1 19.7



#72
Anthracene
Concen: 2.248 ng
RT: 17.342 min Scan# 2426
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

Tgt Ion:178 Resp: 33078
Ion Ratio Lower Upper
178 100
176 21.4 16.0 24.0
179 15.3 12.9 19.3

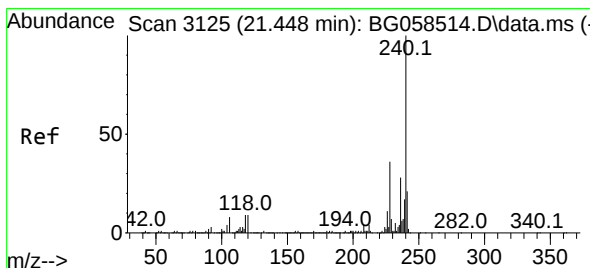
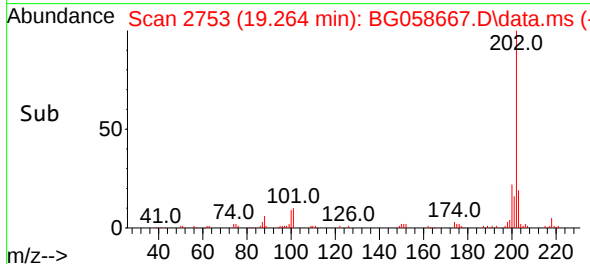
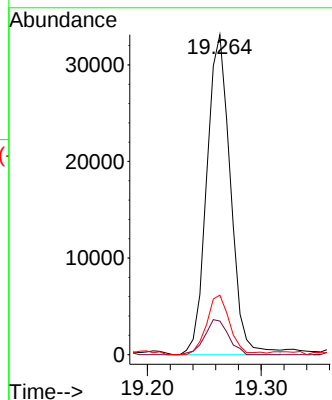
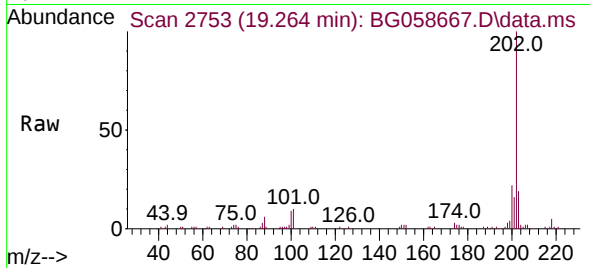




#75
Fluoranthene
Concen: 2.779 ng
RT: 19.264 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

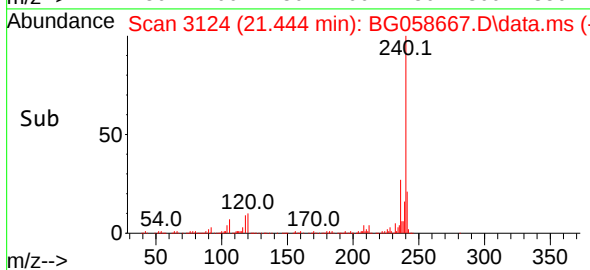
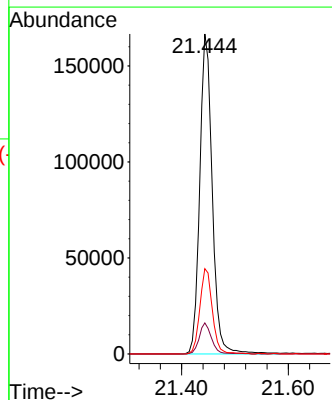
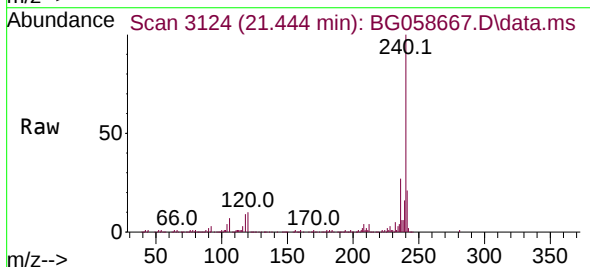
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90

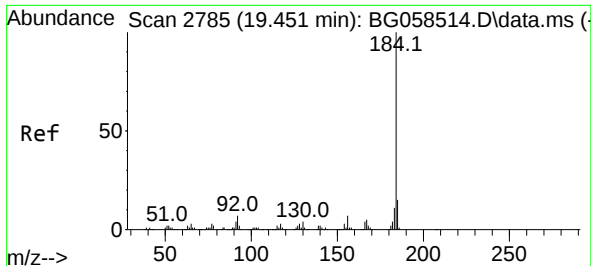
Tgt Ion:202 Resp: 47879
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 18.6 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3124
Delta R.T. -0.005 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

Tgt Ion:240 Resp: 269999
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 26.6 22.2 33.4

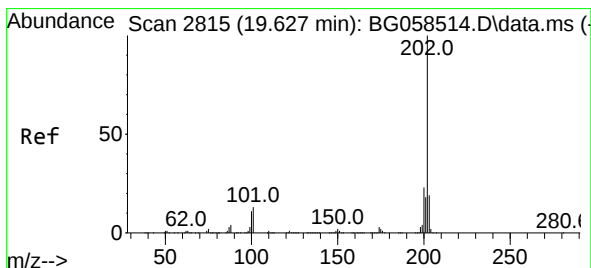
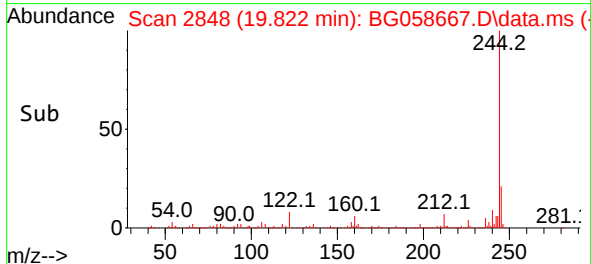
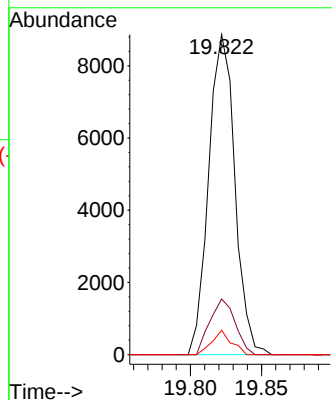
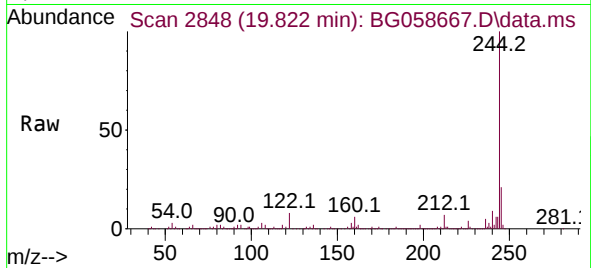




#77
Benzidine
Concen: 2.775 ng
RT: 19.822 min Scan# 2814
Delta R.T. 0.371 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

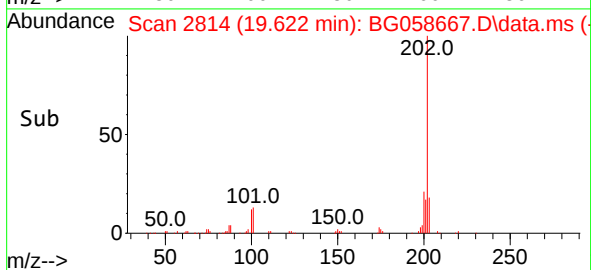
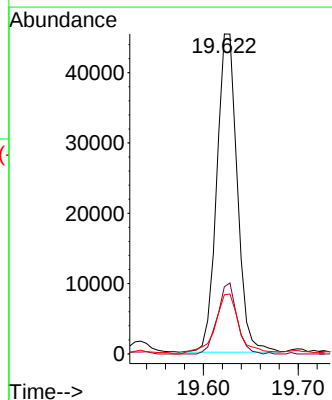
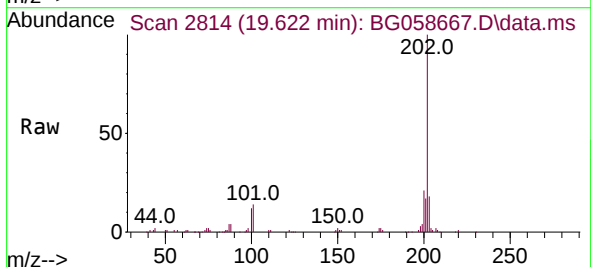
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB01-Z88-90

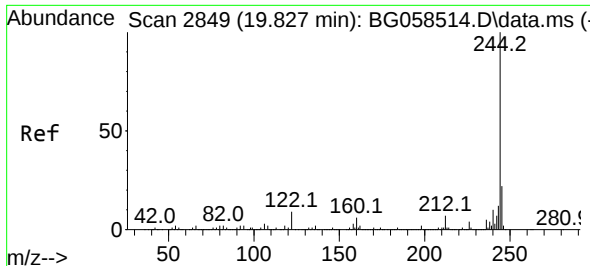
Tgt Ion:184 Resp: 11363
Ion Ratio Lower Upper
184 100
185 17.4 11.9 17.9
183 7.6 8.7 13.1#



#78
Pyrene
Concen: 3.700 ng
RT: 19.622 min Scan# 2814
Delta R.T. -0.005 min
Lab File: BG058667.D
Acq: 9 Aug 2023 20:44

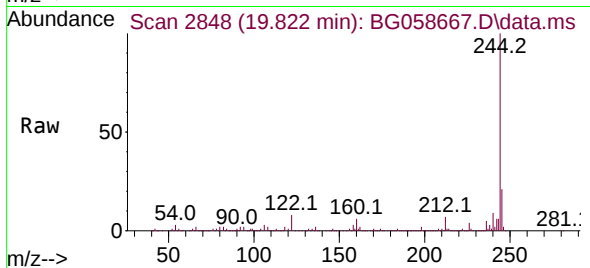
Tgt Ion:202 Resp: 67982
Ion Ratio Lower Upper
202 100
200 21.0 18.2 27.2
203 18.5 15.1 22.7



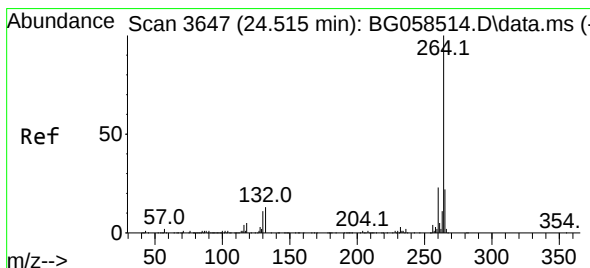
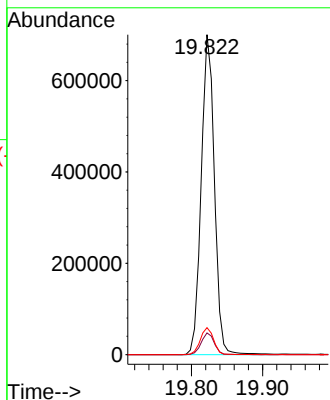
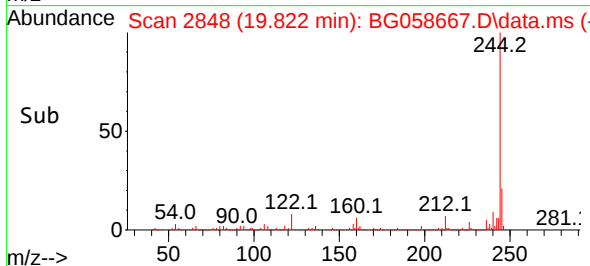


#79
 Terphenyl-d14
 Concen: 62.501 ng
 RT: 19.822 min Scan# 2848
 Delta R.T. -0.005 min
 Lab File: BG058667.D
 Acq: 9 Aug 2023 20:44

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB01-Z88-90



Tgt Ion:244 Resp: 897363
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 8.4 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.516 min Scan# 3647
 Delta R.T. 0.001 min
 Lab File: BG058667.D
 Acq: 9 Aug 2023 20:44

Tgt Ion:264 Resp: 322161
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.4 27.6
 265 22.2 17.9 26.9

