

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102822\
 Data File : BG055356.D
 Acq On : 29 Oct 2022 00:50
 Operator : CG/JU
 Sample : N5226-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20221101-PC-SITE-WATER

Quant Time: Oct 29 04:57:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

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

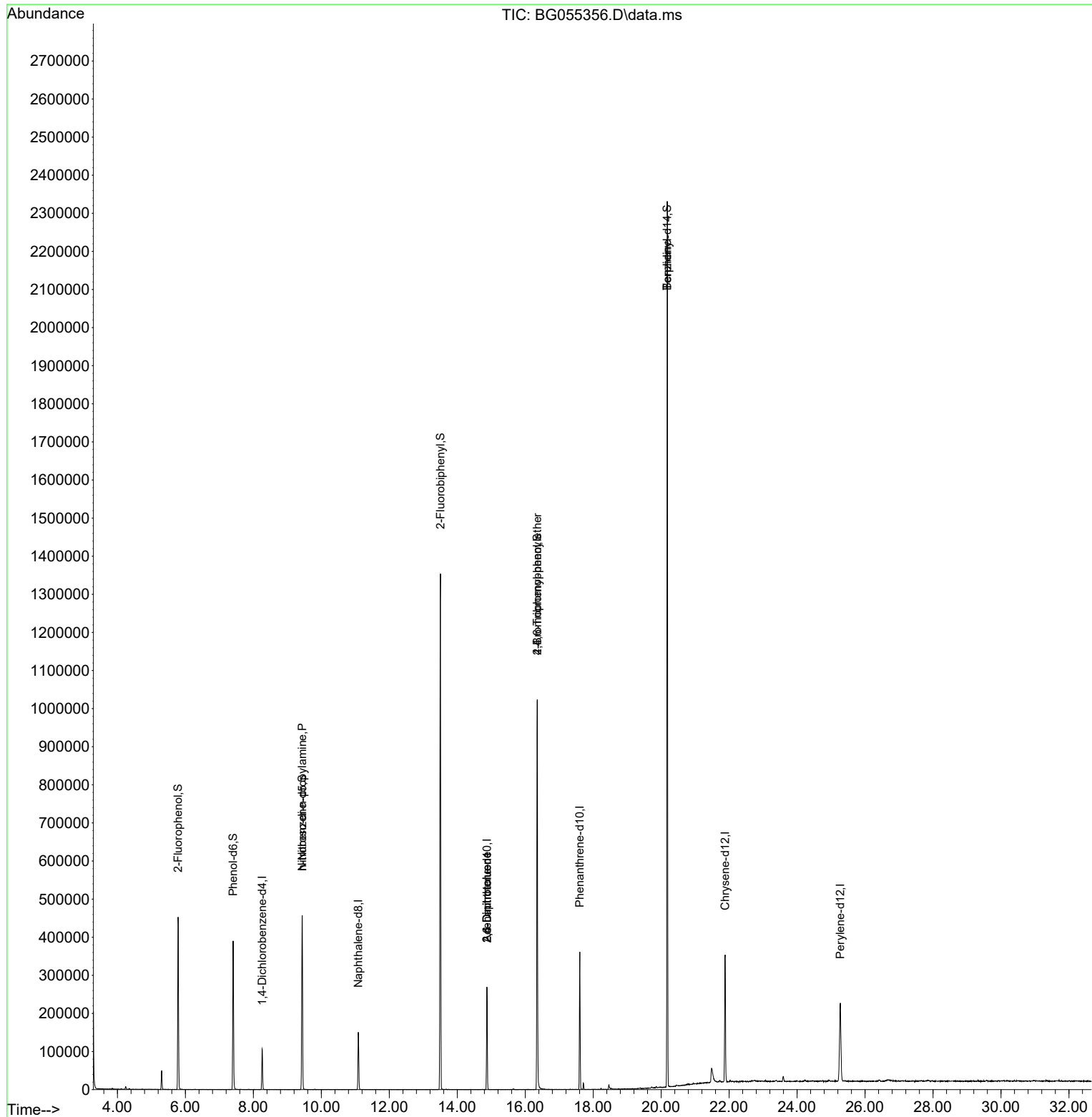
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.264	152	32200	20.000	ng	0.00
21) Naphthalene-d8	11.090	136	136022	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	94364	20.000	ng	0.00
64) Phenanthrene-d10	17.606	188	221477	20.000	ng	# 0.00
76) Chrysene-d12	21.883	240	215815	20.000	ng	0.00
86) Perylene-d12	25.274	264	222343	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	210418	114.421	ng	0.00
7) Phenol-d6	7.406	99	239474	89.884	ng	0.00
23) Nitrobenzene-d5	9.439	82	294220	110.452	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	216530	211.080	ng	0.00
45) 2-Fluorobiphenyl	13.505	172	700956	121.582	ng	0.00
79) Terphenyl-d14	20.180	244	1178770	113.482	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.439	70	39742	17.963	ng	# 76
51) 2,6-Dinitrotoluene	14.874	165	12596	8.355	ng	# 19
57) 2,4-Dinitrotoluene	14.874	165	12596	5.757	ng	# 18
67) 4-Bromophenyl-phenylether	16.355	248	13767	6.398	ng	# 1
77) Benzidine	20.180	184	17983	3.441	ng	# 89

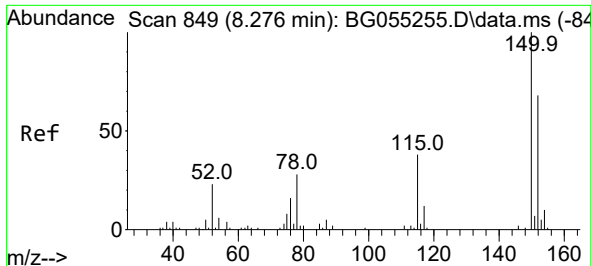
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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20221101-PC-SITE-WATER

Quant Time: Oct 29 04:57:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 04:52:38 2022
Response via : Initial Calibration

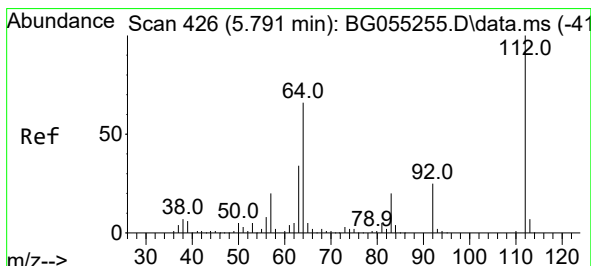
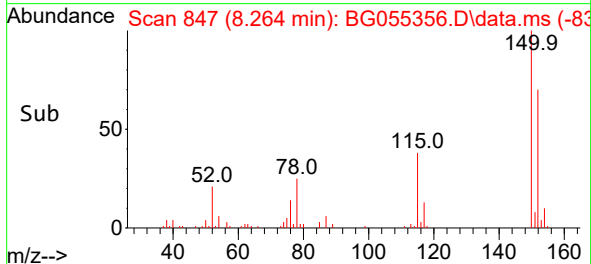
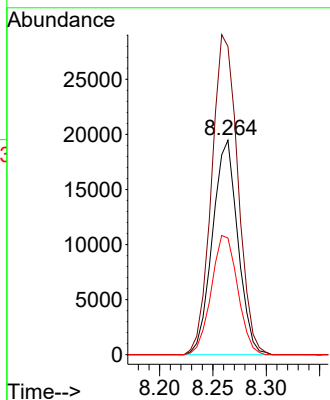
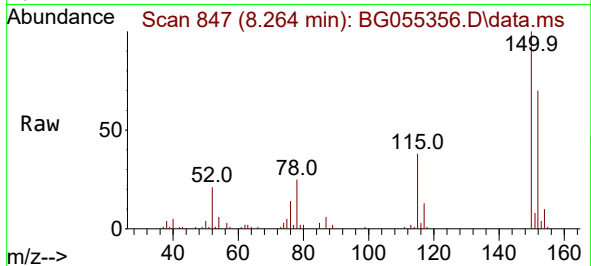




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

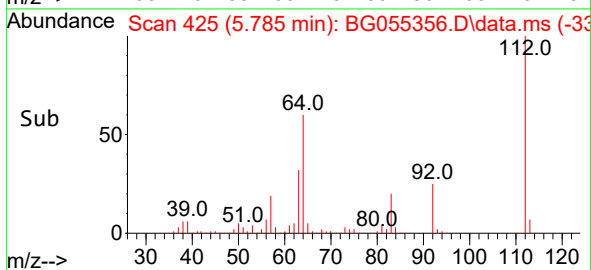
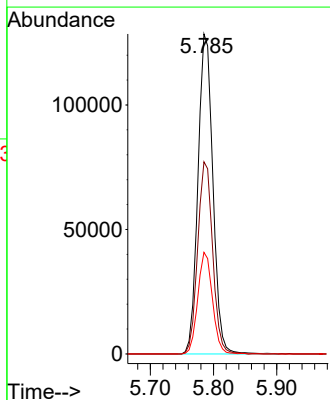
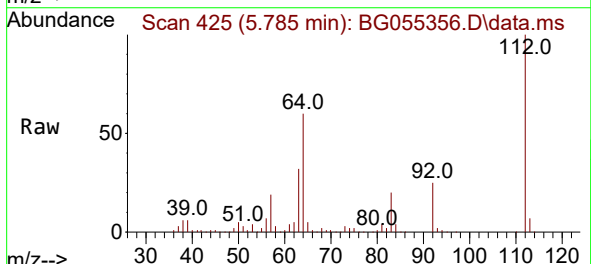
Instrument :
BNA_G
ClientSampleId :
20221101-PC-SITE-WATER

Tgt Ion:152 Resp: 32200
Ion Ratio Lower Upper
152 100
150 143.7 118.2 177.4
115 54.4 44.5 66.7



#5
2-Fluorophenol
Concen: 114.421 ng
RT: 5.785 min Scan# 425
Delta R.T. -0.001 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Tgt Ion:112 Resp: 210418
Ion Ratio Lower Upper
112 100
64 60.1 52.6 78.8
63 31.7 27.1 40.7

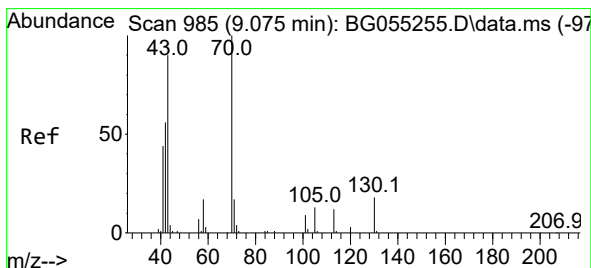
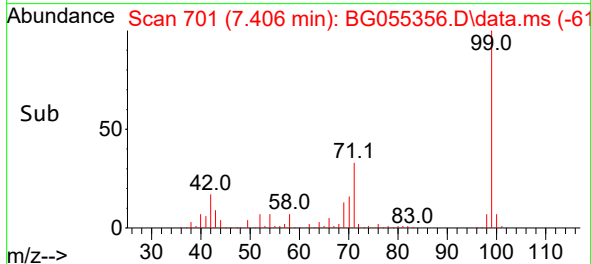
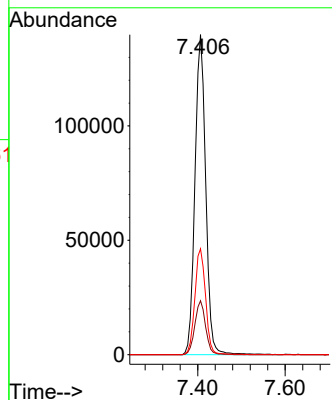
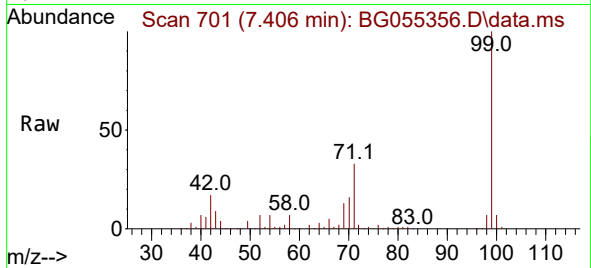




#7
Phenol-d6
Concen: 89.884 ng
RT: 7.406 min Scan# 702
Delta R.T. -0.007 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

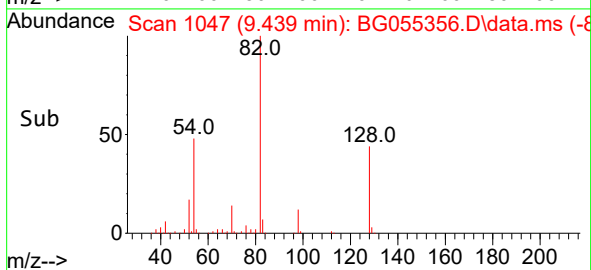
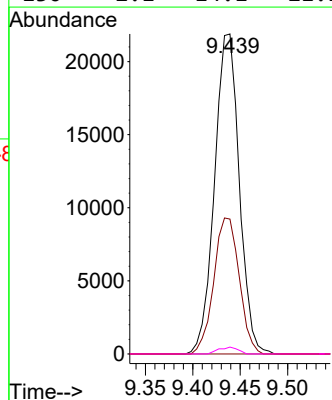
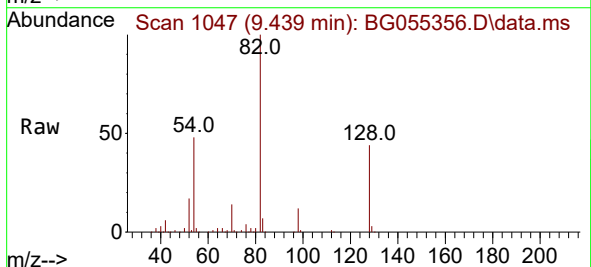
Instrument :
BNA_G
ClientSampleId :
20221101-PC-SITE-WATER

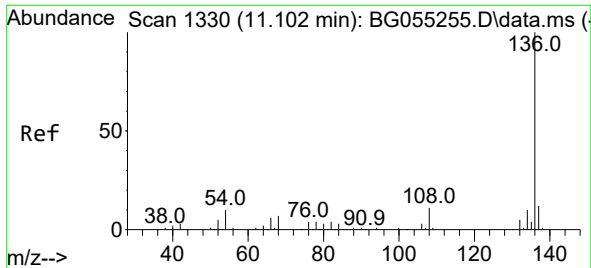
Tgt Ion: 99 Resp: 239474
Ion Ratio Lower Upper
99 100
42 16.9 15.2 22.8
71 33.1 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.963 ng
RT: 9.439 min Scan# 1047
Delta R.T. 0.369 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Tgt Ion: 70 Resp: 39742
Ion Ratio Lower Upper
70 100
42 42.1 45.8 68.6#
101 0.0 7.4 11.0#
130 2.1 14.1 21.1#

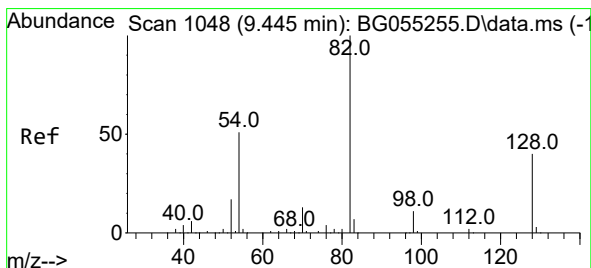
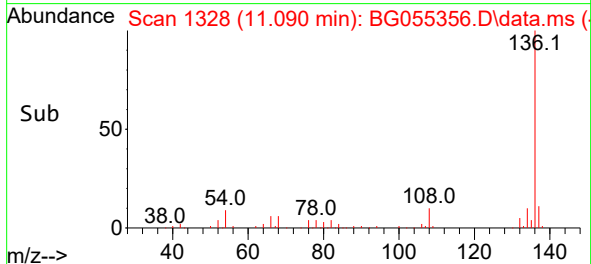
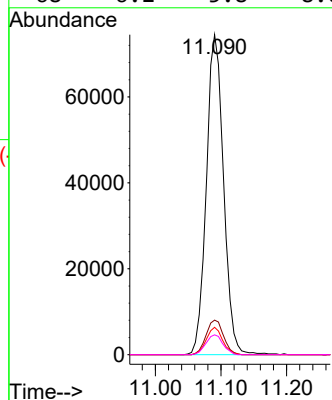
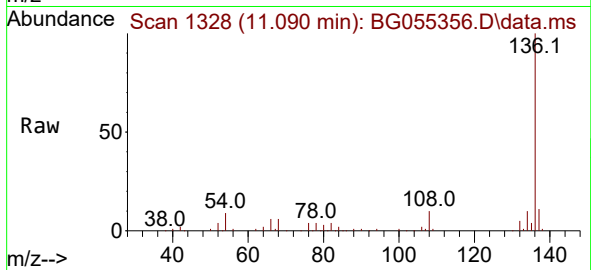




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.090 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

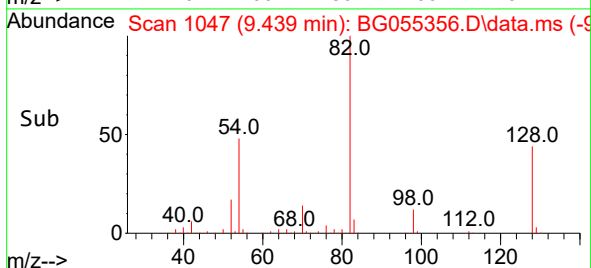
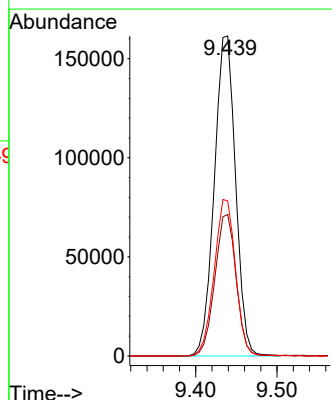
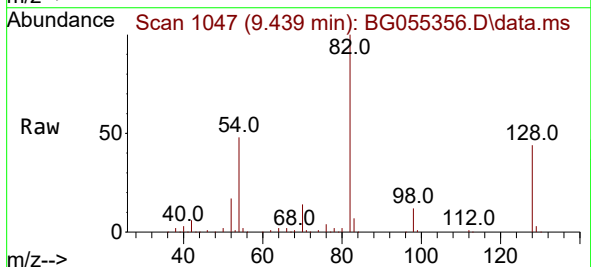
Instrument :
BNA_G
ClientSampleId :
20221101-PC-SITE-WATER

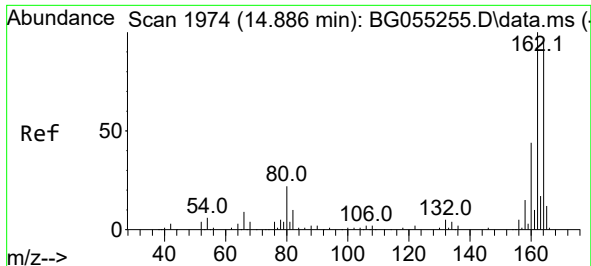
Tgt Ion:136 Resp: 136022
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.5 7.8 11.8
68 6.2 5.8 8.6



#23
Nitrobenzene-d5
Concen: 110.452 ng
RT: 9.439 min Scan# 1047
Delta R.T. -0.001 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Tgt Ion: 82 Resp: 294220
Ion Ratio Lower Upper
82 100
128 44.2 32.0 48.0
54 48.4 40.9 61.3

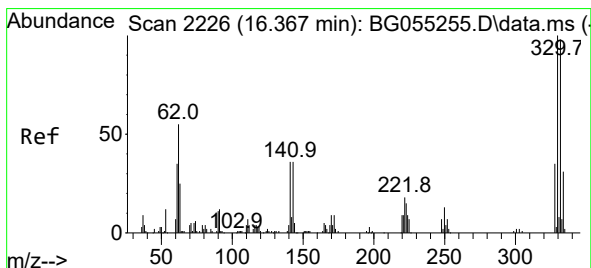
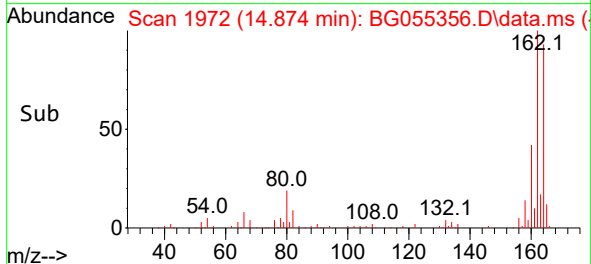
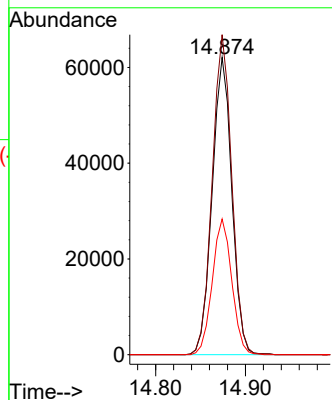
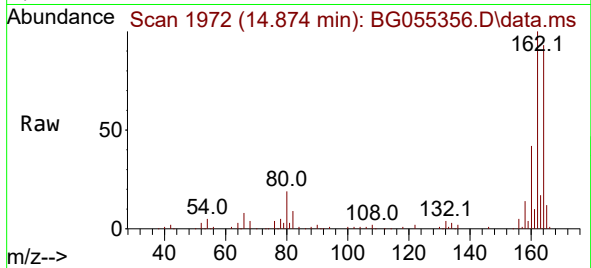




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1974
Delta R.T. -0.007 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

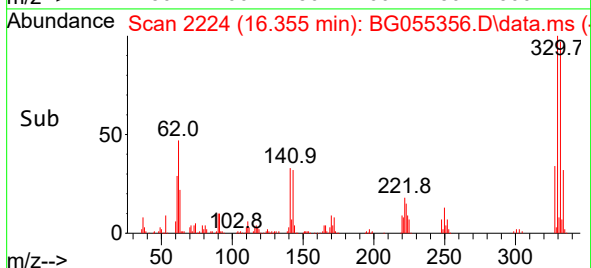
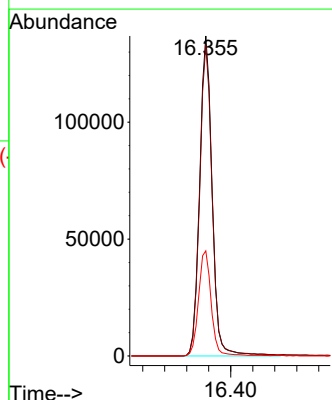
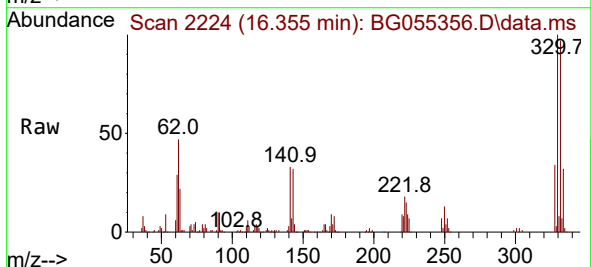
Instrument :
BNA_G
ClientSampleId :
20221101-PC-SITE-WATER

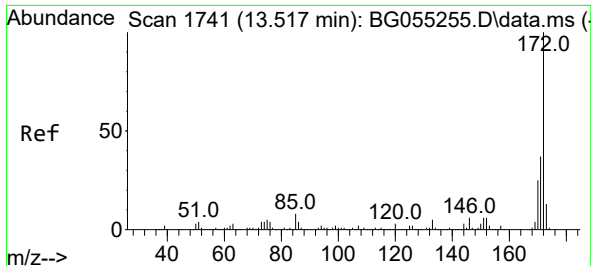
Tgt Ion:164 Resp: 94364
Ion Ratio Lower Upper
164 100
162 107.6 84.0 126.0
160 45.6 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 211.080 ng
RT: 16.355 min Scan# 2224
Delta R.T. -0.007 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Tgt Ion:330 Resp: 216530
Ion Ratio Lower Upper
330 100
332 97.7 77.4 116.0
141 33.4 29.8 44.8

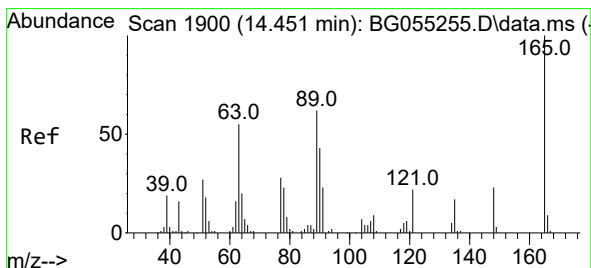
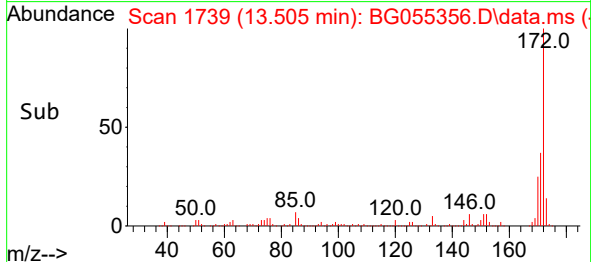
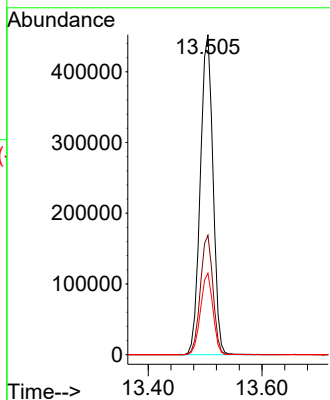
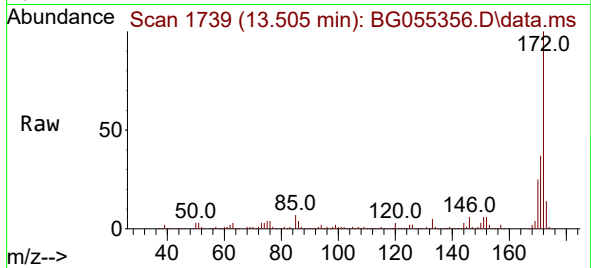




#45
2-Fluorobiphenyl
Concen: 121.582 ng
RT: 13.505 min Scan# 1739
Delta R.T. -0.007 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

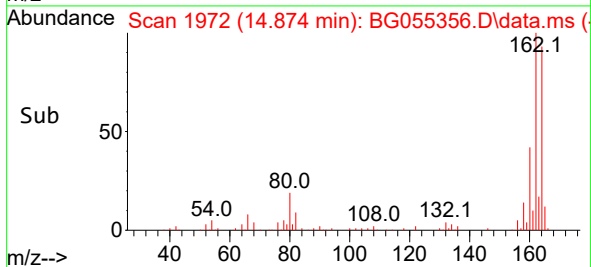
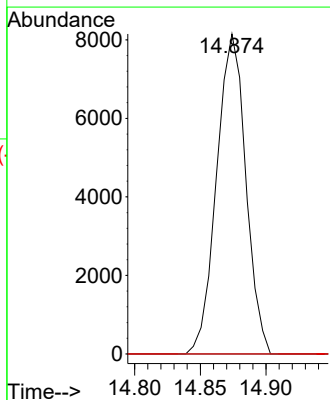
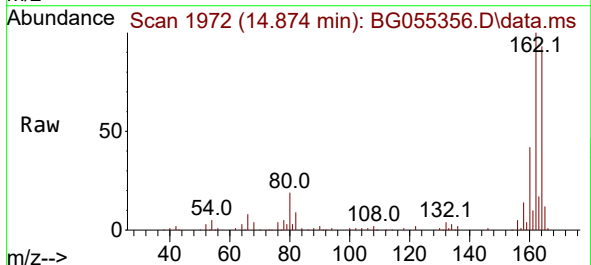
Instrument :
BNA_G
ClientSampleId :
20221101-PC-SITE-WATER

Tgt Ion:172 Resp: 700956
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 25.4 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.355 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.422 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Tgt Ion:165 Resp: 12596
Ion Ratio Lower Upper
165 100
63 0.0 49.2 73.8#
89 0.0 49.9 74.9#





#57

2,4-Dinitrotoluene

Concen: 5.757 ng

RT: 14.874 min Scan# 1972

Delta R.T. -0.359 min

Lab File: BG055356.D

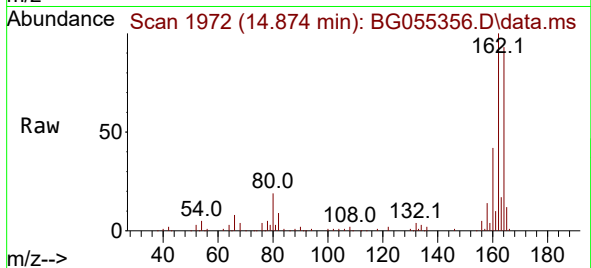
Acq: 29 Oct 2022 00:50

Instrument :

BNA_G

ClientSampleId :

20221101-PC-SITE-WATER



Tgt Ion:165 Resp: 12596

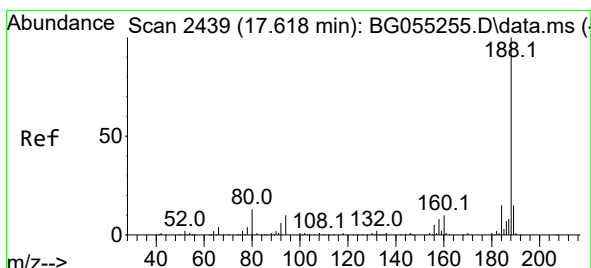
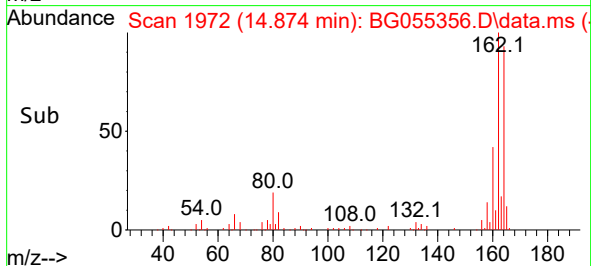
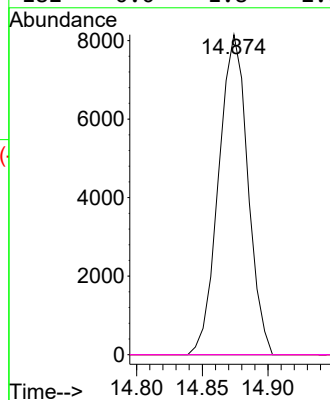
Ion Ratio Lower Upper

165 100

63 0.0 38.9 58.3#

89 0.0 64.2 96.4#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.606 min Scan# 2437

Delta R.T. -0.007 min

Lab File: BG055356.D

Acq: 29 Oct 2022 00:50

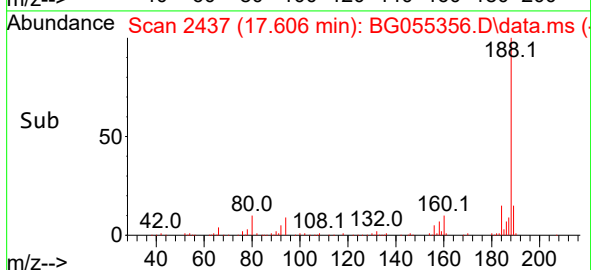
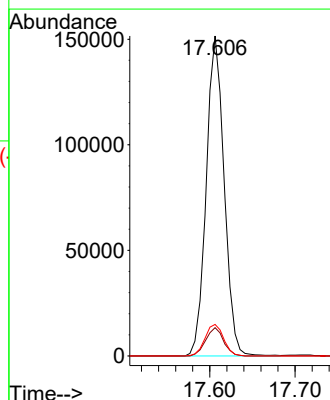
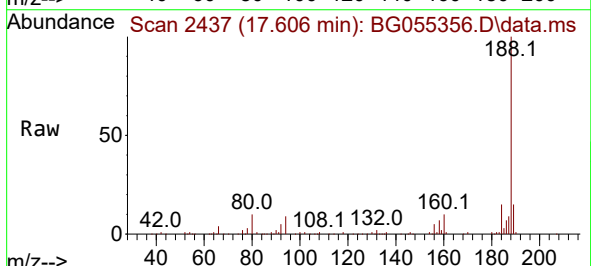
Tgt Ion:188 Resp: 221477

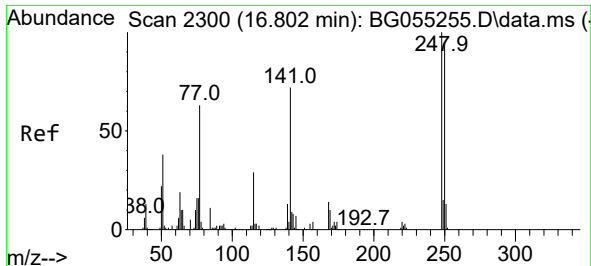
Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

80 9.9 10.1 15.1#

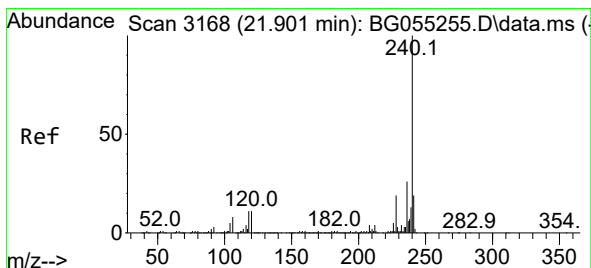
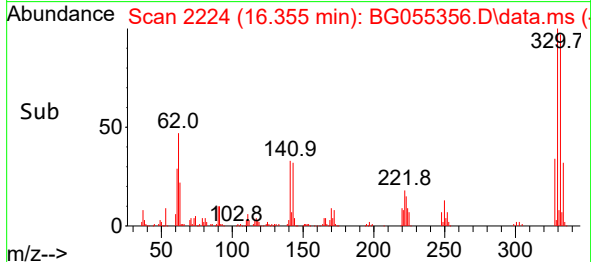
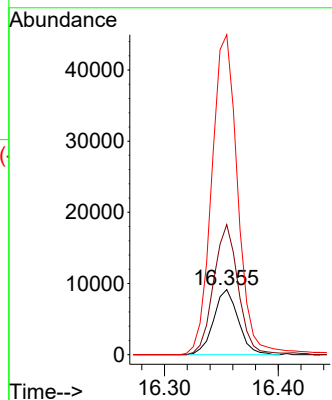
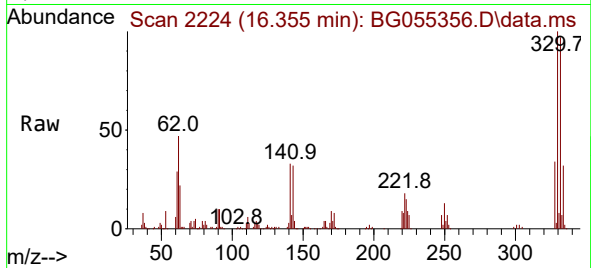




#67
4-Bromophenyl-phenylether
Concen: 6.398 ng
RT: 16.355 min Scan# 211
Delta R.T. -0.441 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

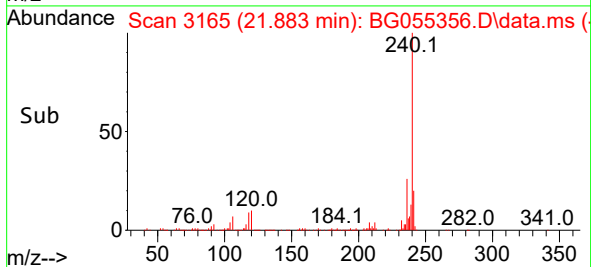
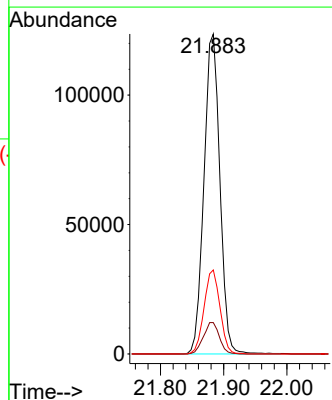
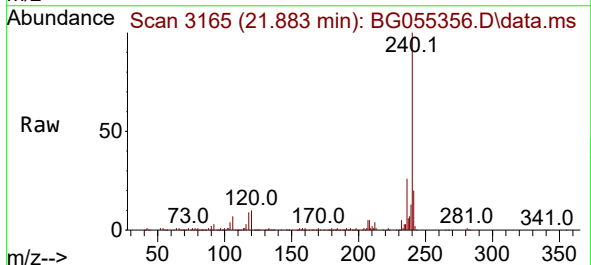
Instrument :
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20221101-PC-SITE-WATER

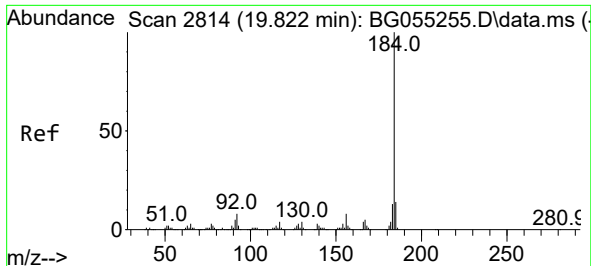
Tgt Ion:248 Resp: 13767
Ion Ratio Lower Upper
248 100
250 199.7 76.0 114.0#
141 491.1 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.883 min Scan# 3165
Delta R.T. -0.007 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Tgt Ion:240 Resp: 215815
Ion Ratio Lower Upper
240 100
120 9.8 8.9 13.3
236 26.2 21.0 31.4

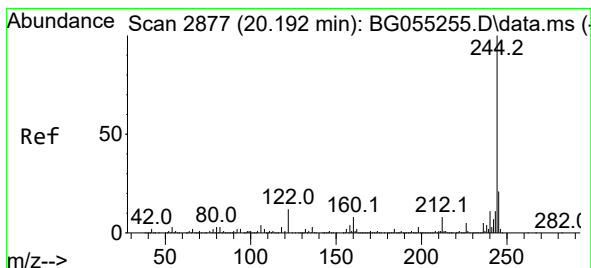
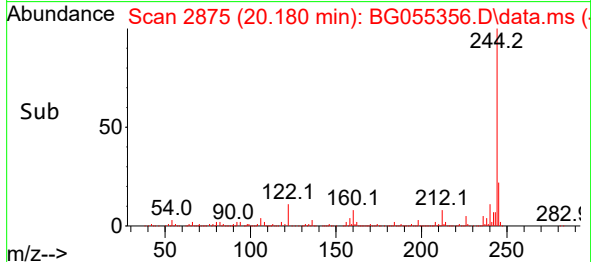
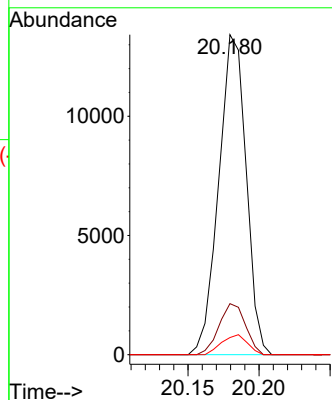
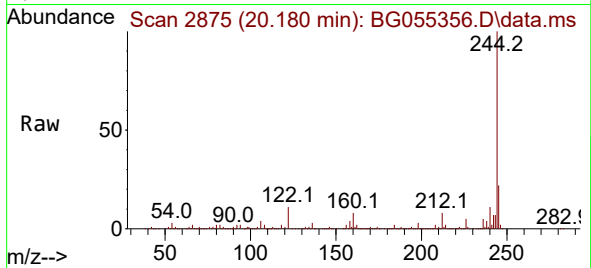




#77
Benzidine
Concen: 3.441 ng
RT: 20.180 min Scan# 21
Delta R.T. 0.364 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

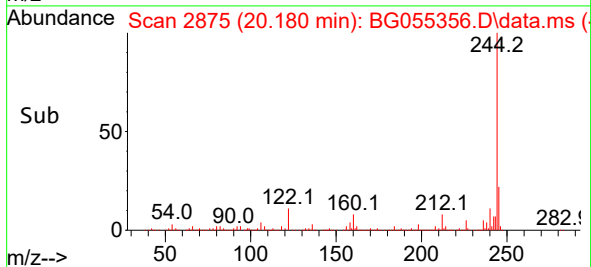
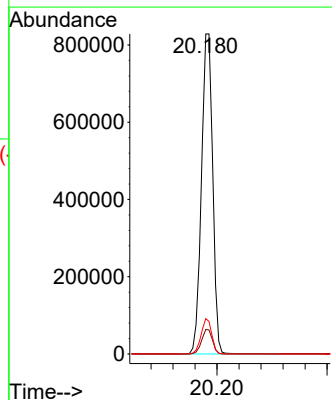
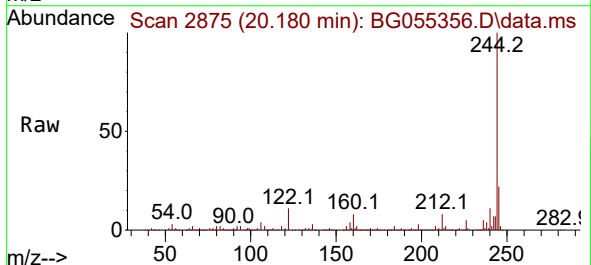
Instrument :
BNA_G
ClientSampleId :
20221101-PC-SITE-WATER

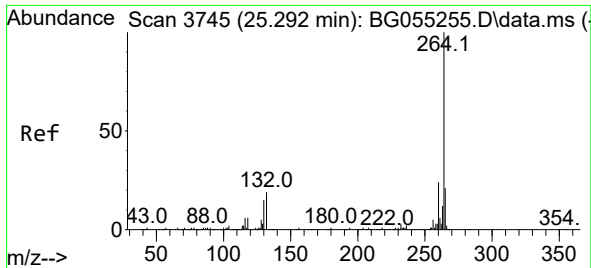
Tgt Ion:184 Resp: 17983
Ion Ratio Lower Upper
184 100
185 15.9 11.0 16.6
183 5.4 10.0 15.0#



#79
Terphenyl-d14
Concen: 113.482 ng
RT: 20.180 min Scan# 2875
Delta R.T. -0.007 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Tgt Ion:244 Resp: 1178770
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 11.1 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.274 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG055356.D
Acq: 29 Oct 2022 00:50

Instrument :
BNA_G
ClientSampleId :
20221101-PC-SITE-WATER

Tgt Ion:264 Resp: 222343

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.6	17.4	26.2

