

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081023\
 Data File : BG058689.D
 Acq On : 10 Aug 2023 21:53
 Operator : MA/JU
 Sample : 03955-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-23

Quant Time: Aug 11 01:58:28 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)

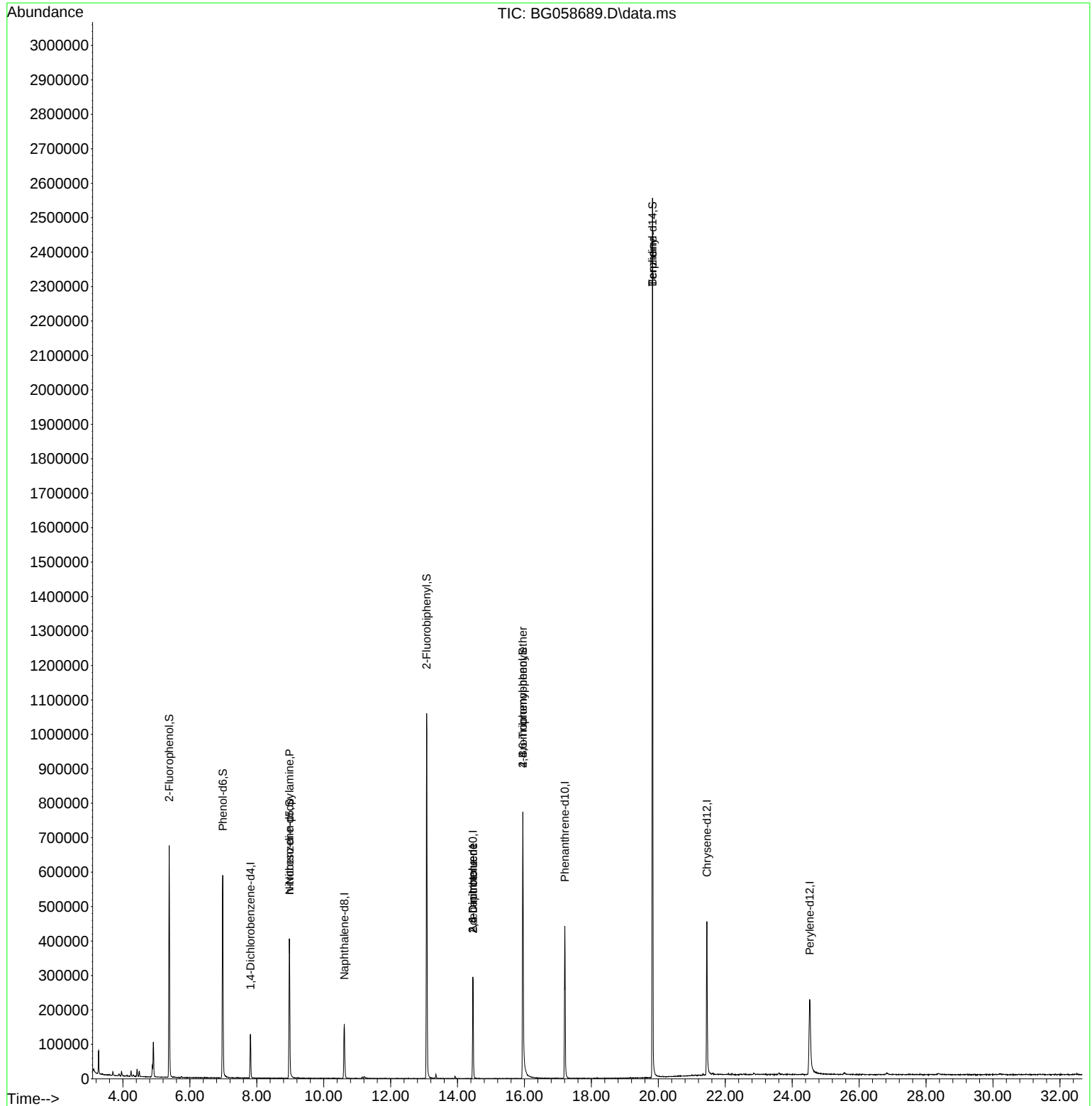
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	36679	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	147686	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	111151	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	319693	20.000	ng	0.00
76) Chrysene-d12	21.449	240	289881	20.000	ng	0.00
86) Perylene-d12	24.522	264	315416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	283255	118.036	ng	0.00
7) Phenol-d6	6.983	99	362507	108.561	ng	0.00
23) Nitrobenzene-d5	8.975	82	265334	88.259	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	217785	119.541	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	622266	83.897	ng	0.00
79) Terphenyl-d14	19.827	244	1414955	91.792	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.975	70	32523	15.079	ng	Qvalue # 79
51) 2,6-Dinitrotoluene	14.457	165	13923	7.601	ng	# 24
57) 2,4-Dinitrotoluene	14.457	165	13923	5.483	ng	# 24
67) 4-Bromophenyl-phenylether	15.949	248	12725	3.509	ng	# 1
77) Benzidine	19.827	184	17572	3.997	ng	# 92

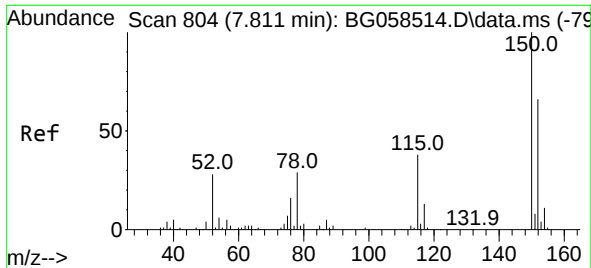
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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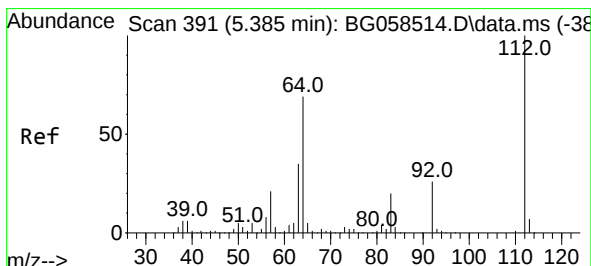
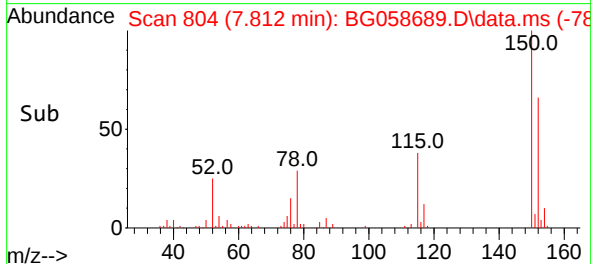
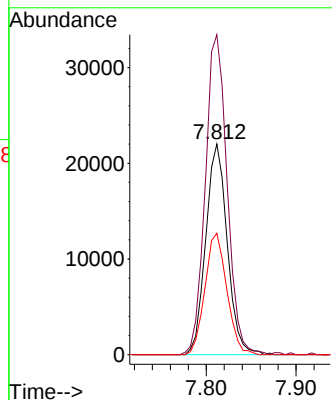
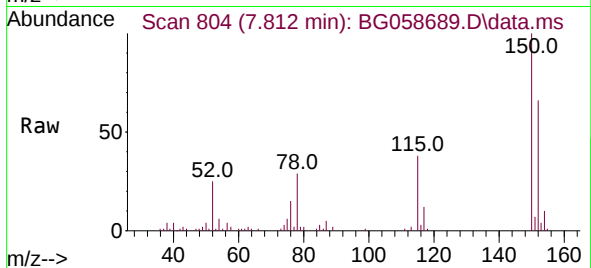




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

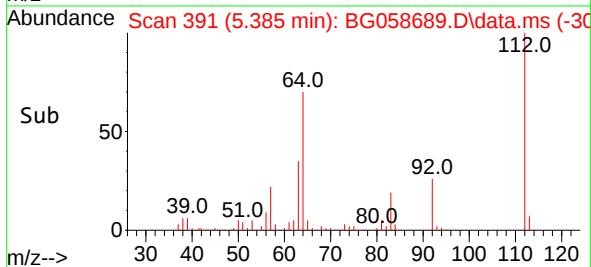
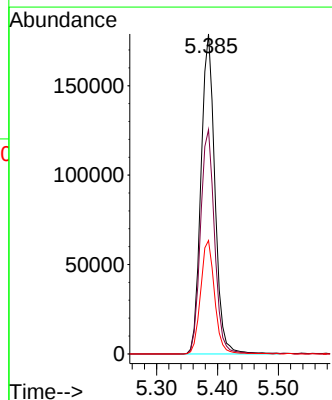
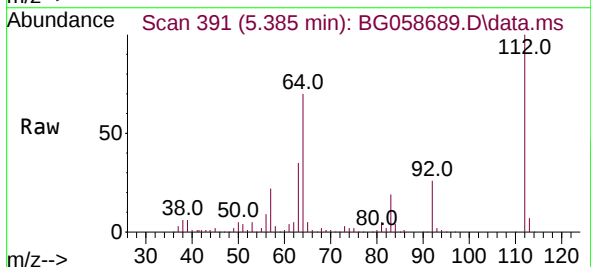
Instrument :
BNA_G
ClientSampleId :
WC-23

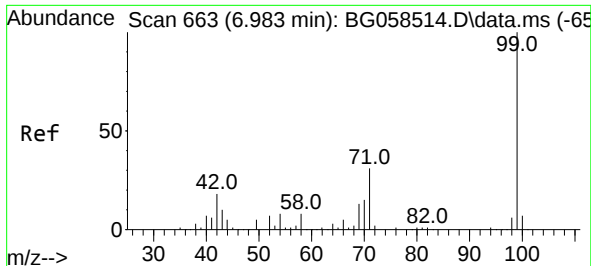
Tgt Ion:152 Resp: 36679
Ion Ratio Lower Upper
152 100
150 151.9 120.5 180.7
115 57.6 45.9 68.9



#5
2-Fluorophenol
Concen: 118.036 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

Tgt Ion:112 Resp: 283255
Ion Ratio Lower Upper
112 100
64 70.1 55.3 82.9
63 35.4 28.3 42.5

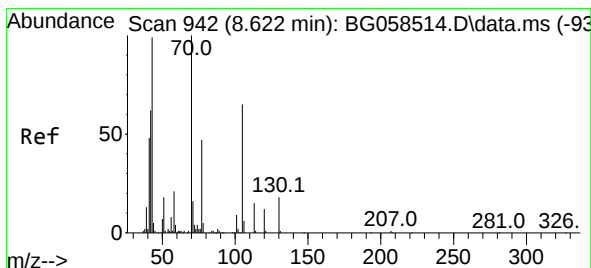
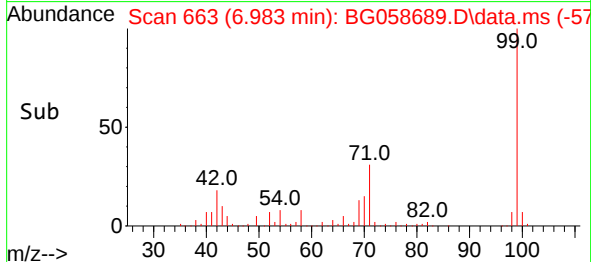
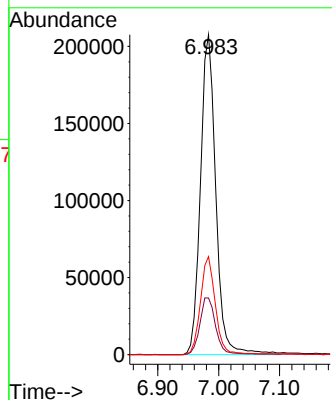
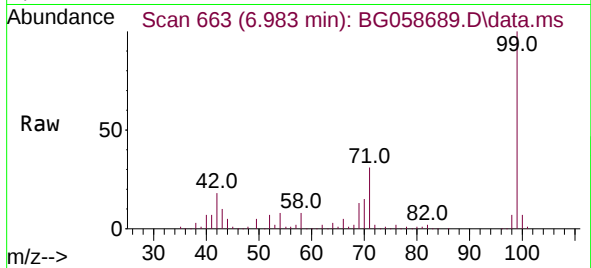




#7
Phenol-d6
Concen: 108.561 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

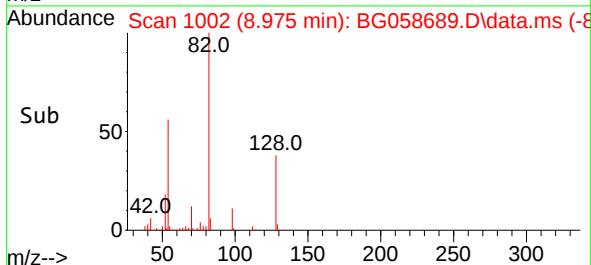
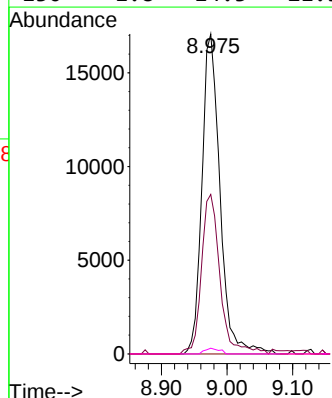
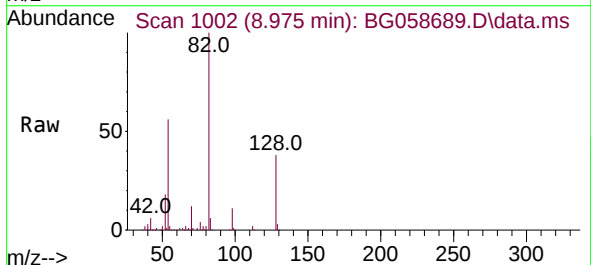
Instrument :
BNA_G
ClientSampleId :
WC-23

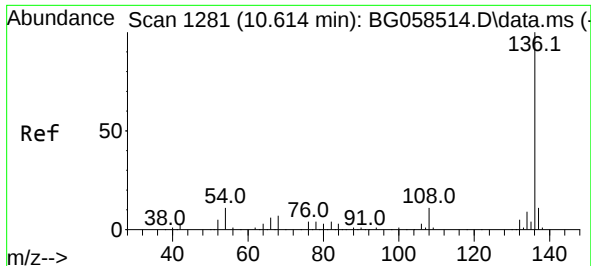
Tgt Ion: 99 Resp: 362507
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 30.6 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.079 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

Tgt Ion: 70 Resp: 32523
Ion Ratio Lower Upper
70 100
42 49.8 49.7 74.5
101 0.0 7.0 10.4#
130 1.8 14.3 21.5#

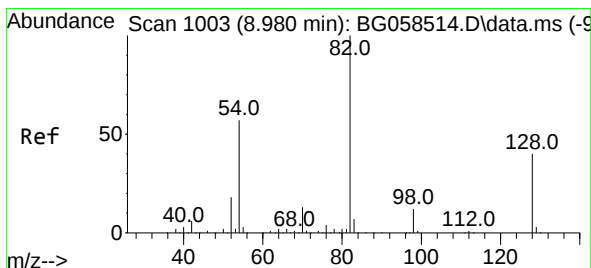
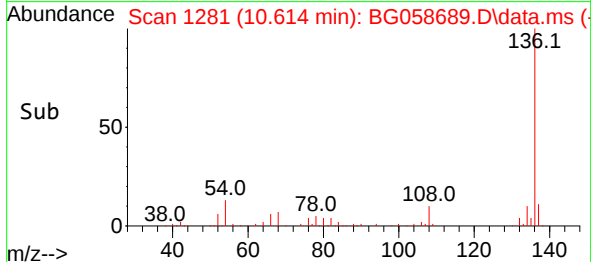
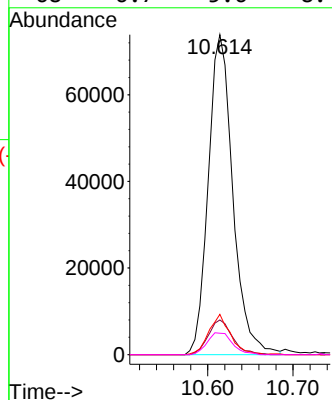
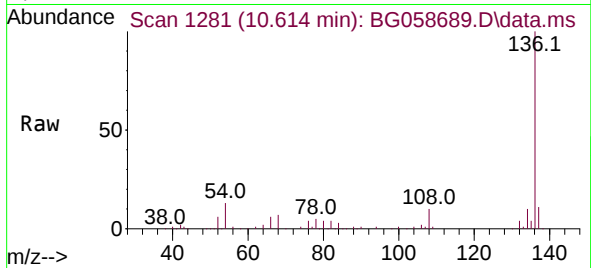




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

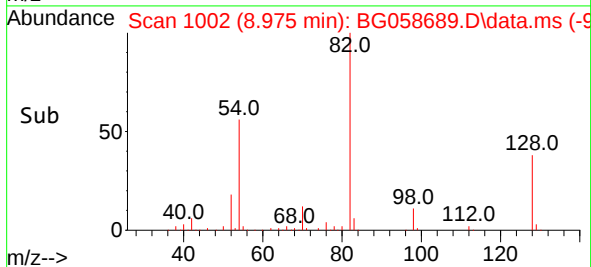
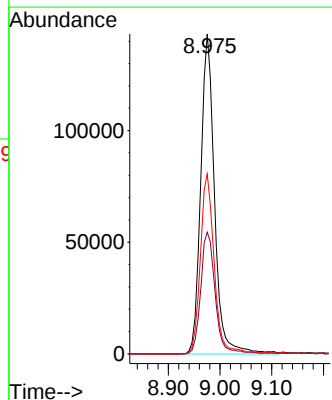
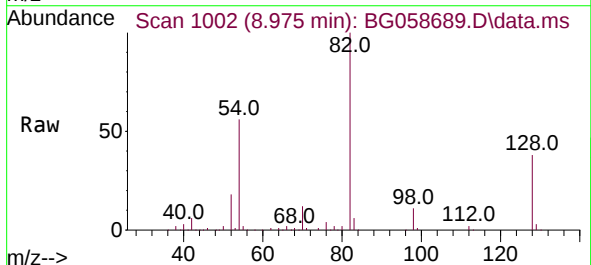
Instrument :
BNA_G
ClientSampleId :
WC-23

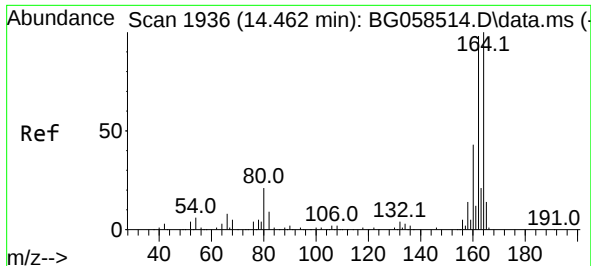
Tgt Ion:	136	Resp:	147686
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	12.6	8.9	13.3
68	6.7	5.6	8.4



#23
Nitrobenzene-d5
Concen: 88.259 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

Tgt Ion:	82	Resp:	265334
Ion Ratio	Lower	Upper	
82	100		
128	38.0	32.2	48.2
54	56.2	46.0	69.0

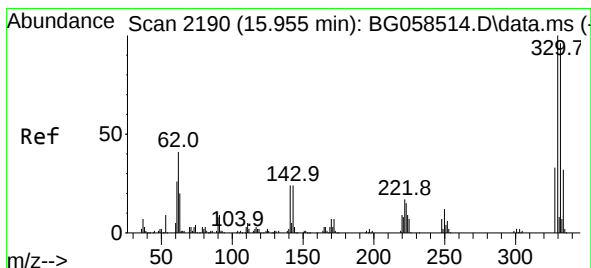
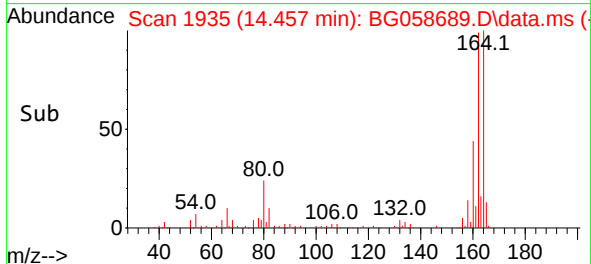
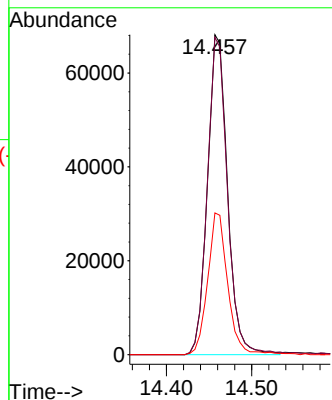
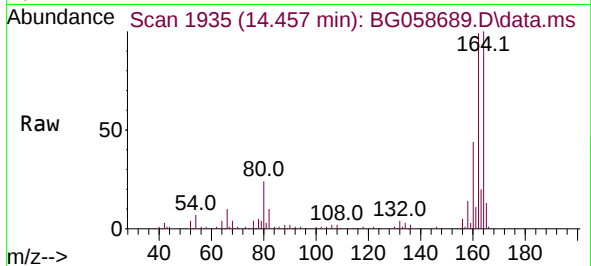




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

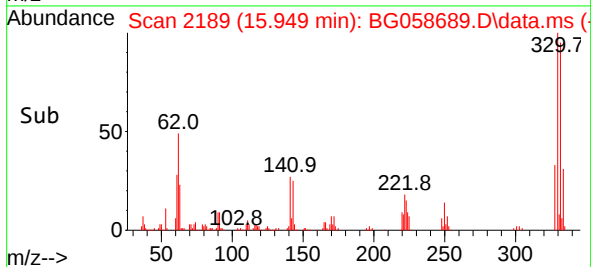
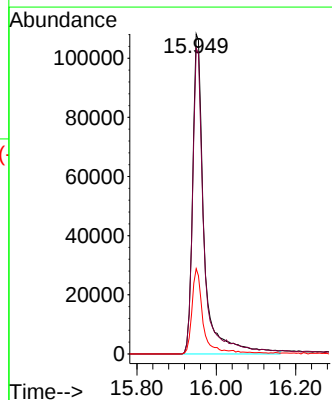
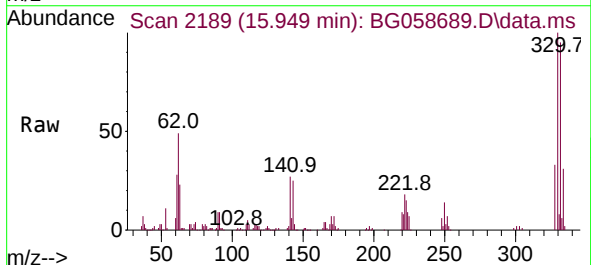
Instrument :
BNA_G
ClientSampleId :
WC-23

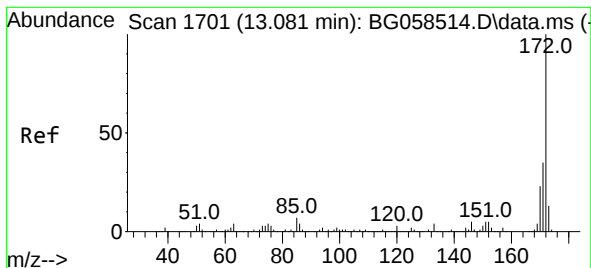
Tgt Ion:164 Resp: 111151
Ion Ratio Lower Upper
164 100
162 99.1 78.3 117.5
160 44.3 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 119.541 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.005 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

Tgt Ion:330 Resp: 217785
Ion Ratio Lower Upper
330 100
332 94.3 77.5 116.3
141 26.2 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 83.897 ng

RT: 13.076 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG058689.D

Acq: 10 Aug 2023 21:53

Instrument :

BNA_G

ClientSampleId :

WC-23

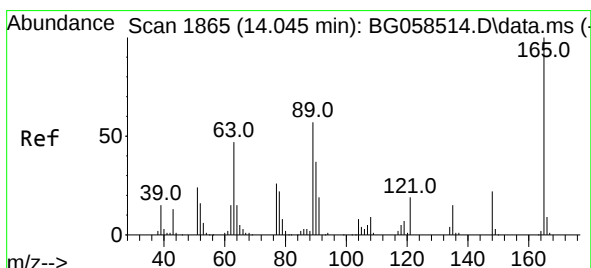
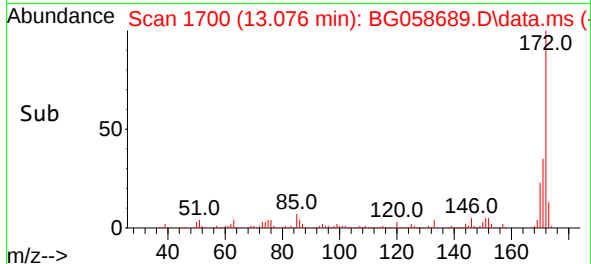
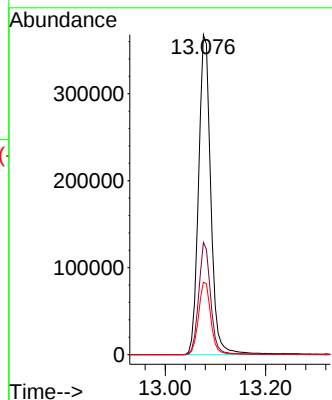
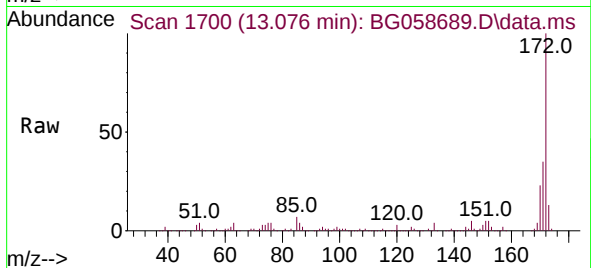
Tgt Ion:172 Resp: 622266

Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 22.6 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 7.601 ng

RT: 14.457 min Scan# 1935

Delta R.T. 0.412 min

Lab File: BG058689.D

Acq: 10 Aug 2023 21:53

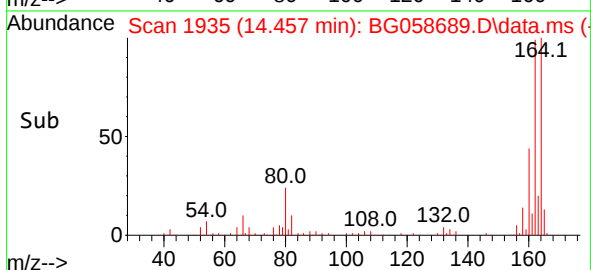
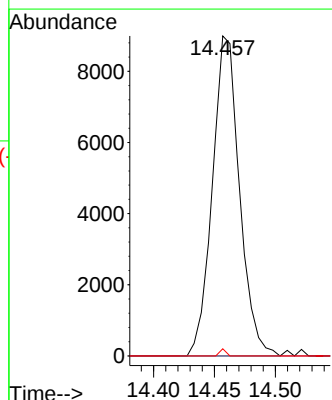
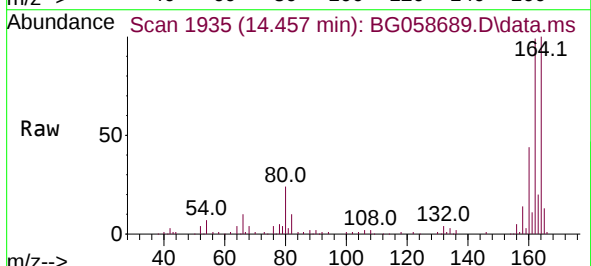
Tgt Ion:165 Resp: 13923

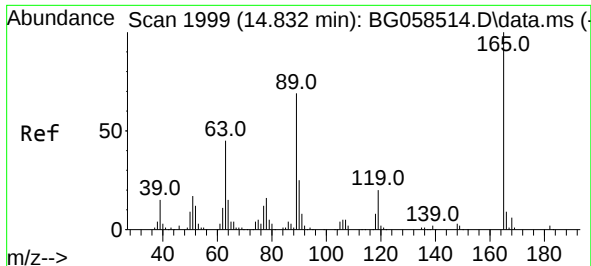
Ion Ratio Lower Upper

165 100

63 0.0 46.4 69.6#

89 2.2 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.483 ng

RT: 14.457 min Scan# 1999

Delta R.T. -0.375 min

Lab File: BG058689.D

Acq: 10 Aug 2023 21:53

Instrument :

BNA_G

ClientSampleId :

WC-23

Tgt Ion:165 Resp: 13923

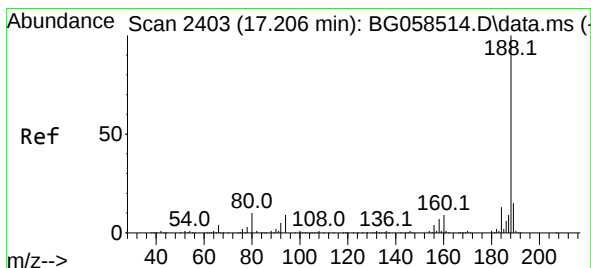
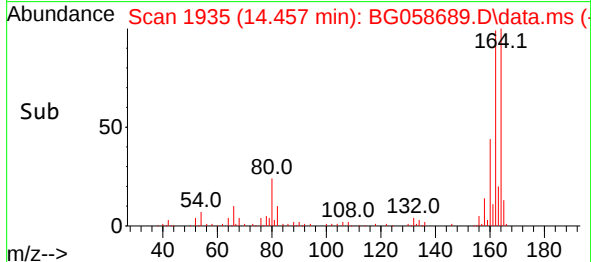
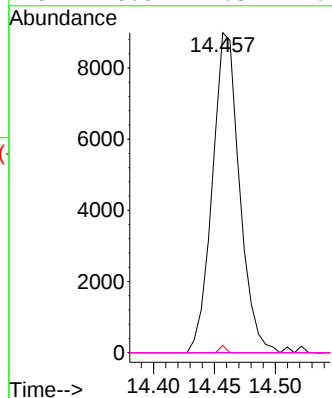
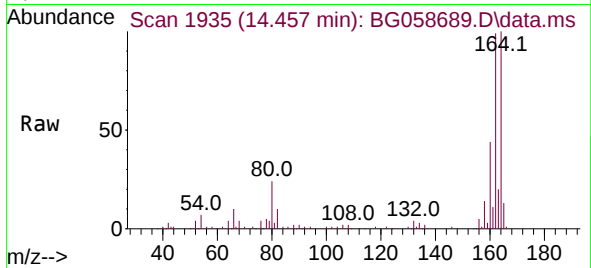
Ion Ratio Lower Upper

165 100

63 0.0 36.6 54.8#

89 2.2 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2403

Delta R.T. 0.000 min

Lab File: BG058689.D

Acq: 10 Aug 2023 21:53

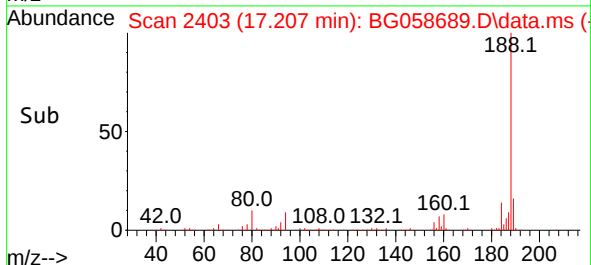
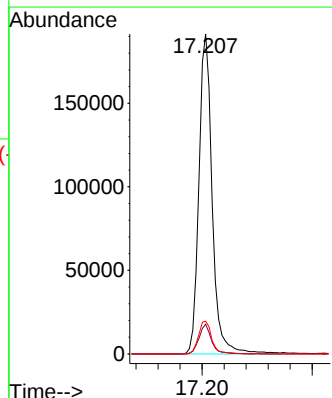
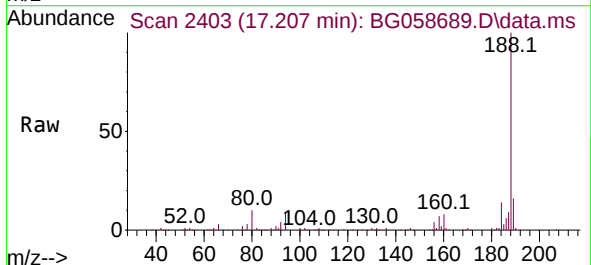
Tgt Ion:188 Resp: 319693

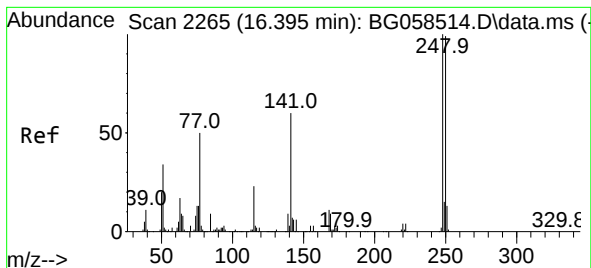
Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 10.2 8.1 12.1

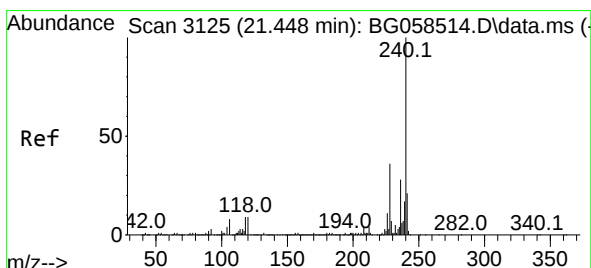
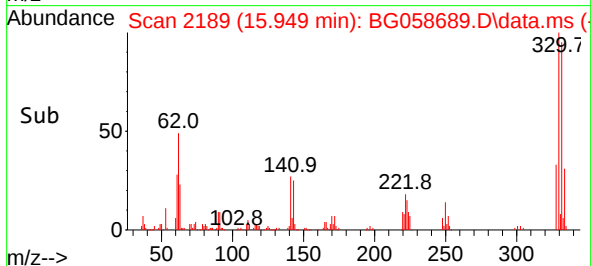
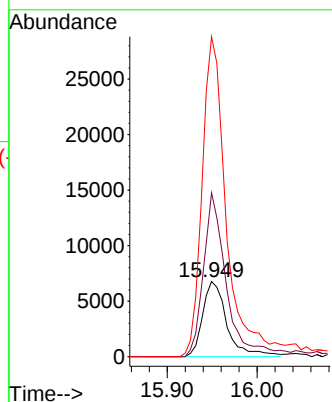
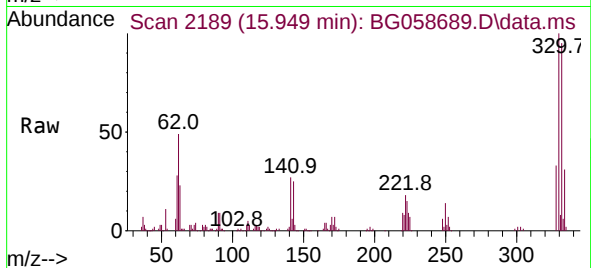




#67
4-Bromophenyl-phenylether
Concen: 3.509 ng
RT: 15.949 min Scan# 211
Delta R.T. -0.446 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

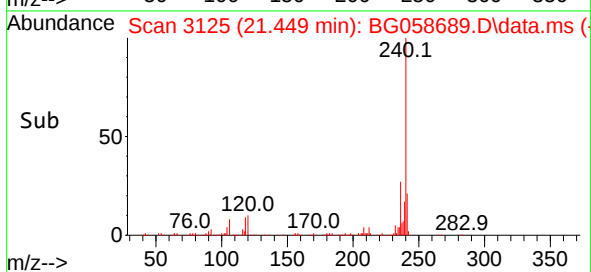
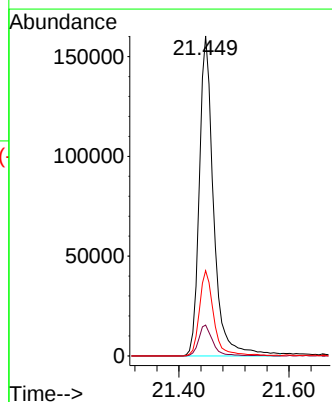
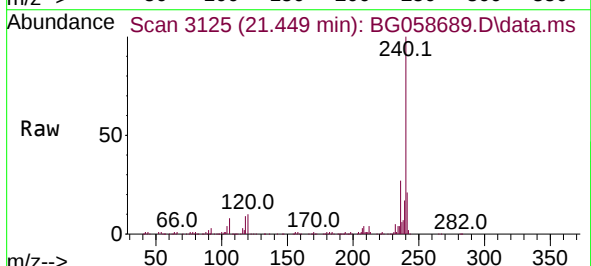
Instrument :
BNA_G
ClientSampleId :
WC-23

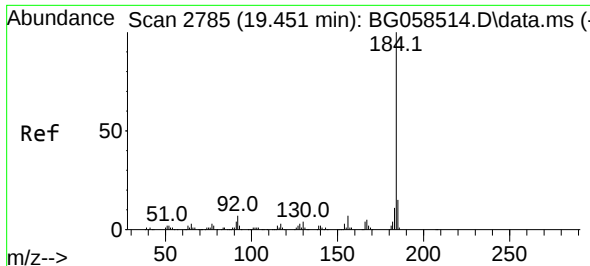
Tgt Ion:248 Resp: 12725
Ion Ratio Lower Upper
248 100
250 218.1 79.5 119.3#
141 425.9 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

Tgt Ion:240 Resp: 289881
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.0
236 26.7 22.2 33.4

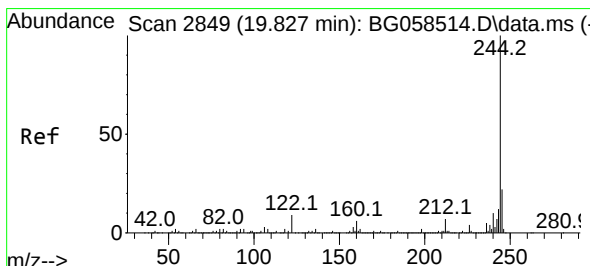
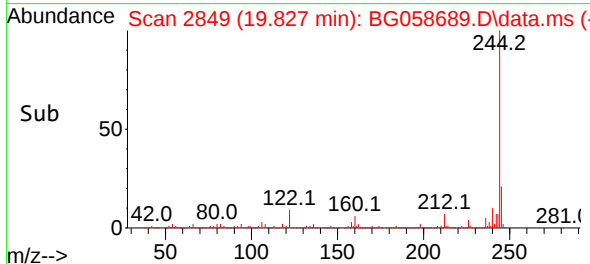
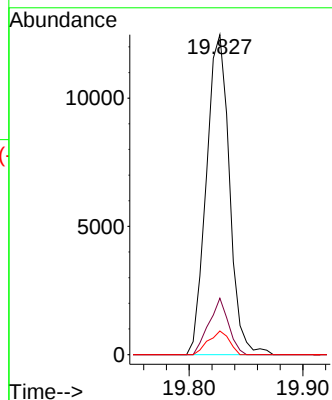
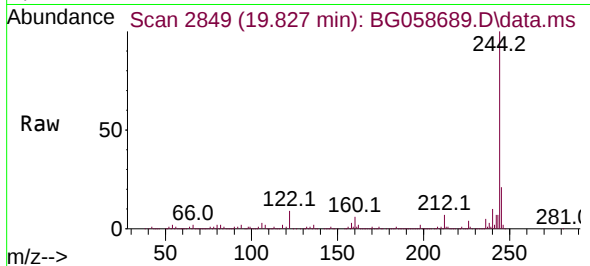




#77
Benzidine
Concen: 3.997 ng
RT: 19.827 min Scan# 2849
Delta R.T. 0.377 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

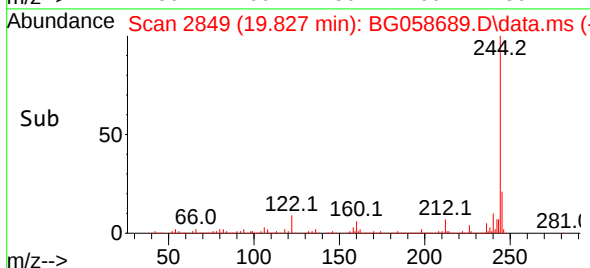
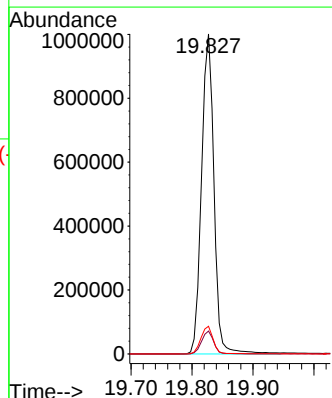
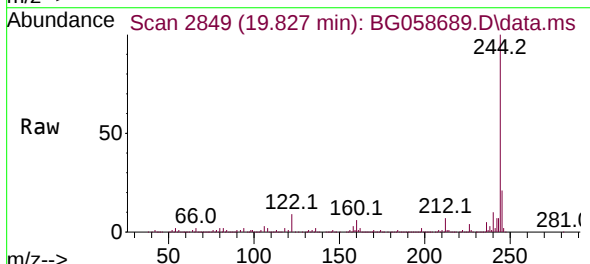
Instrument :
BNA_G
ClientSampleId :
WC-23

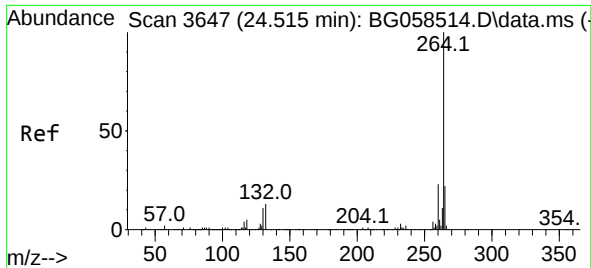
Tgt Ion:184 Resp: 17572
Ion Ratio Lower Upper
184 100
185 17.6 11.9 17.9
183 7.4 8.7 13.1#



#79
Terphenyl-d14
Concen: 91.792 ng
RT: 19.827 min Scan# 2849
Delta R.T. 0.000 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

Tgt Ion:244 Resp: 1414955
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 8.6 6.8 10.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.522 min Scan# 30
Delta R.T. 0.006 min
Lab File: BG058689.D
Acq: 10 Aug 2023 21:53

Instrument :
BNA_G
ClientSampleId :
WC-23

Tgt Ion:264 Resp: 315416
Ion Ratio Lower Upper
264 100
260 24.6 18.4 27.6
265 21.2 17.9 26.9

