

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081023\
 Data File : BG058692.D
 Acq On : 10 Aug 2023 23:57
 Operator : MA/JU
 Sample : 03955-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-26

Quant Time: Aug 11 01:59:24 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)

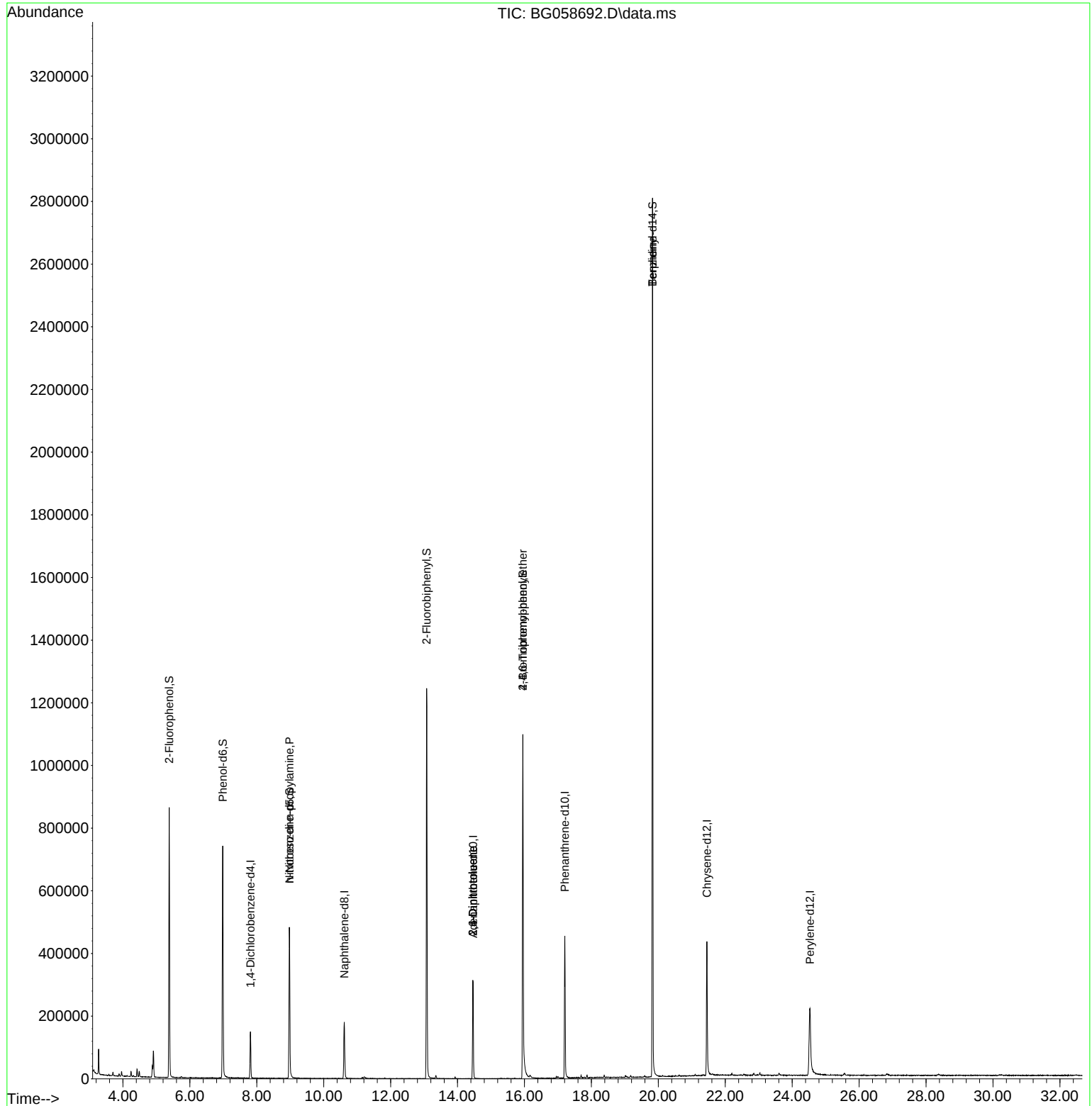
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	41386	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	170423	20.000	ng	0.00
39) Acenaphthene-d10	14.462	164	123437	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	322314	20.000	ng	0.00
76) Chrysene-d12	21.448	240	283264	20.000	ng	0.00
86) Perylene-d12	24.527	264	308581	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	353627	130.601	ng	0.00
7) Phenol-d6	6.983	99	456717	121.218	ng	0.00
23) Nitrobenzene-d5	8.975	82	314557	90.673	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	276987	136.904	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	730064	88.634	ng	0.00
79) Terphenyl-d14	19.827	244	1509471	100.210	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.975	70	38618	15.868	ng	Qvalue # 80
51) 2,6-Dinitrotoluene	14.457	165	15240	7.492	ng	# 24
57) 2,4-Dinitrotoluene	14.457	165	15240	5.404	ng	# 24
67) 4-Bromophenyl-phenylether	15.949	248	17504	4.788	ng	# 1
77) Benzidine	19.827	184	18717	4.357	ng	# 95

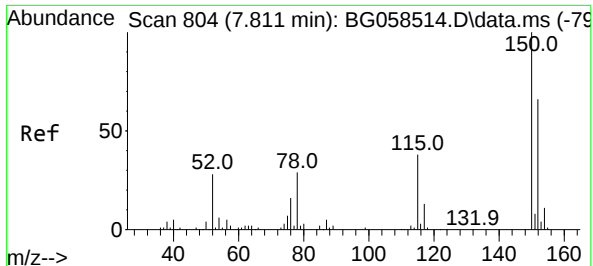
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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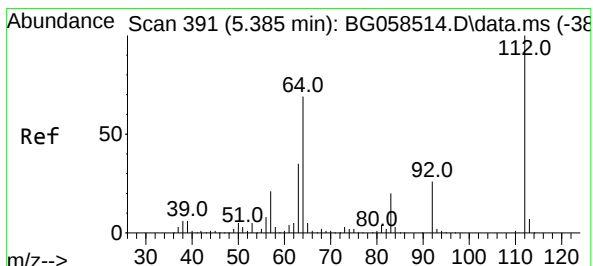
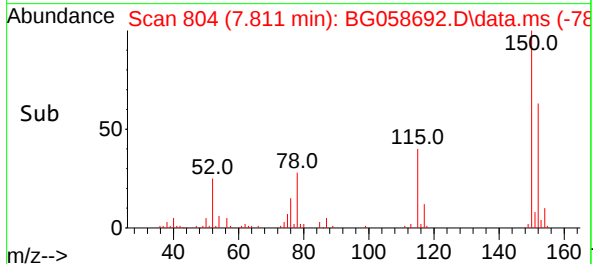
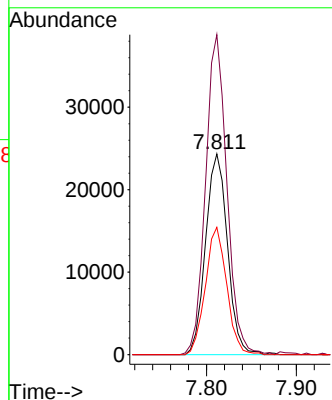
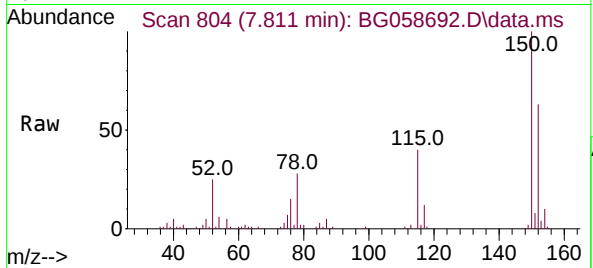




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

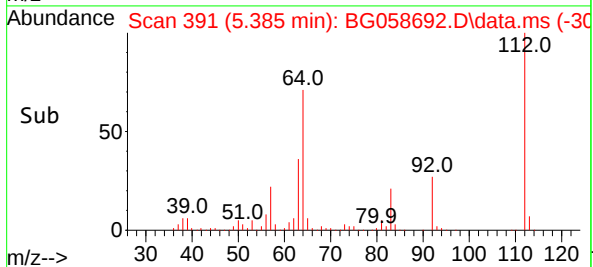
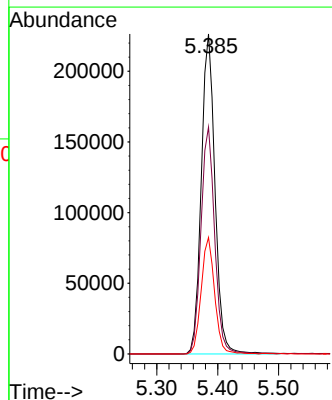
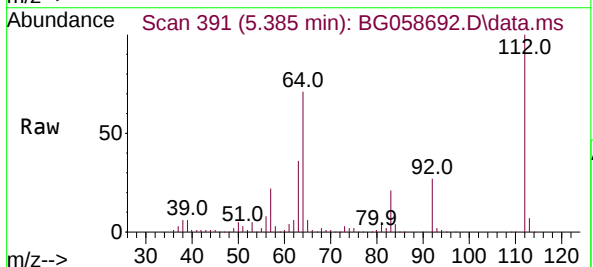
Instrument :
BNA_G
ClientSampleId :
WC-26

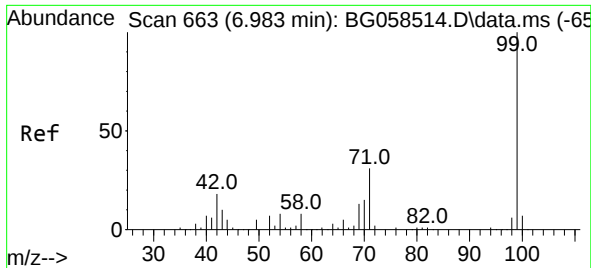
Tgt Ion:152 Resp: 41386
Ion Ratio Lower Upper
152 100
150 159.4 120.5 180.7
115 63.4 45.9 68.9



#5
2-Fluorophenol
Concen: 130.601 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

Tgt Ion:112 Resp: 353627
Ion Ratio Lower Upper
112 100
64 70.9 55.3 82.9
63 36.4 28.3 42.5

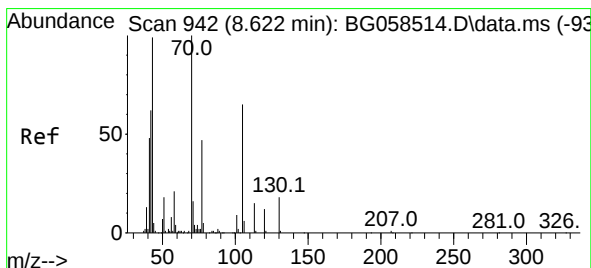
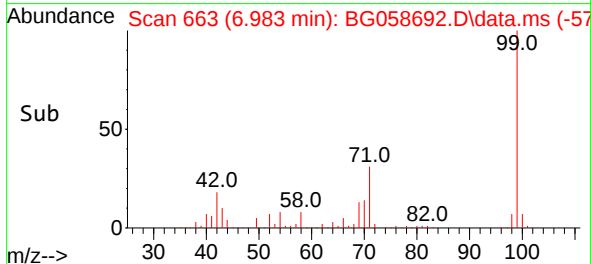
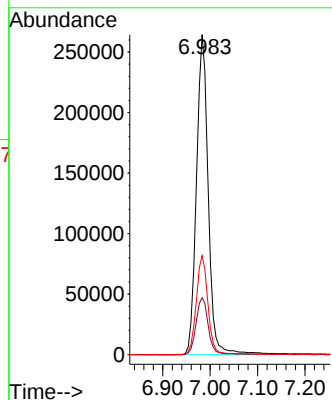
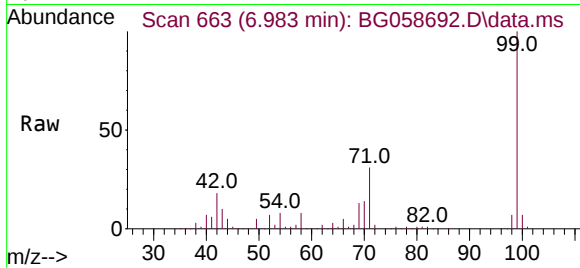




#7
Phenol-d6
Concen: 121.218 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

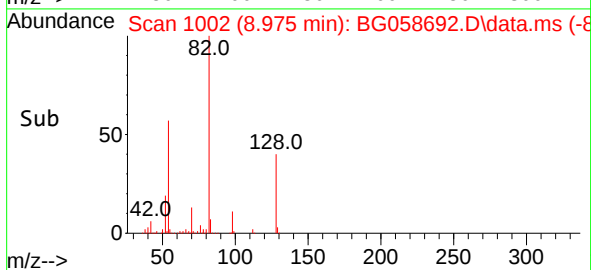
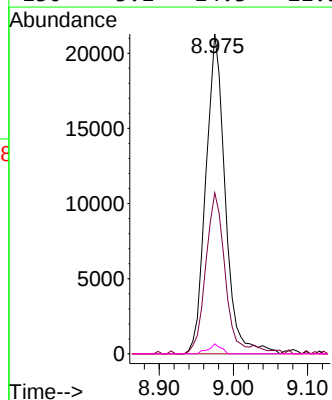
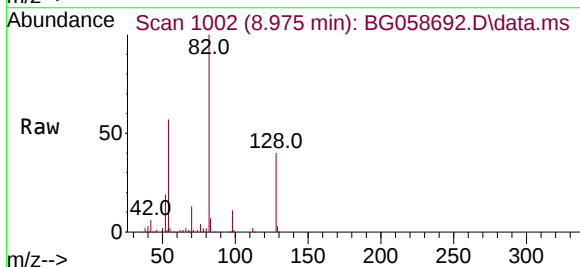
Instrument :
BNA_G
ClientSampleId :
WC-26

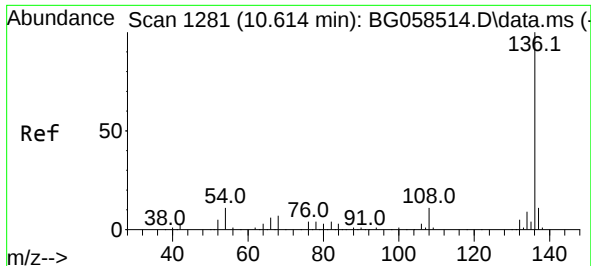
Tgt Ion: 99 Resp: 456717
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 30.9 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.868 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

Tgt Ion: 70 Resp: 38618
Ion Ratio Lower Upper
70 100
42 50.3 49.7 74.5
101 0.0 7.0 10.4#
130 3.1 14.3 21.5#

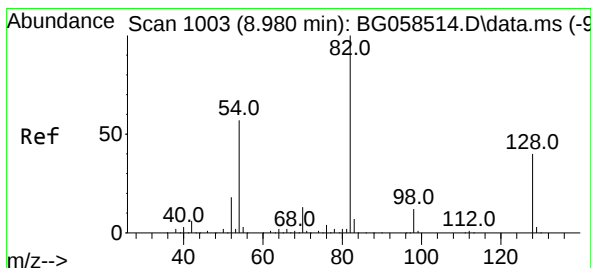
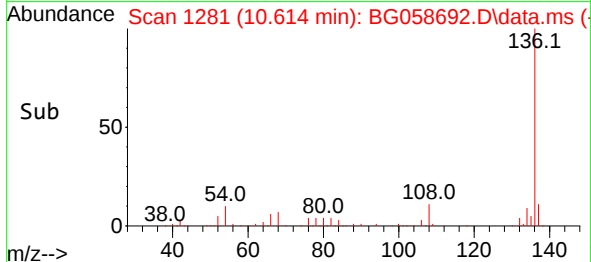
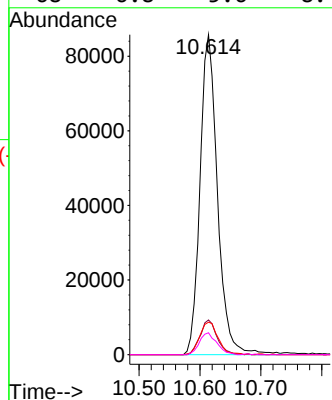
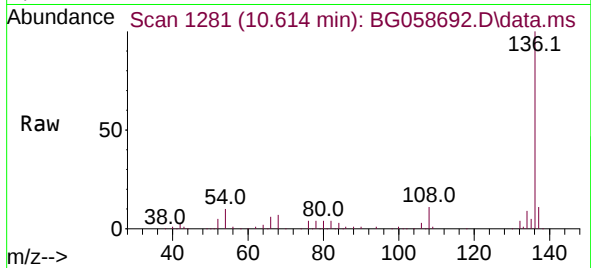




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

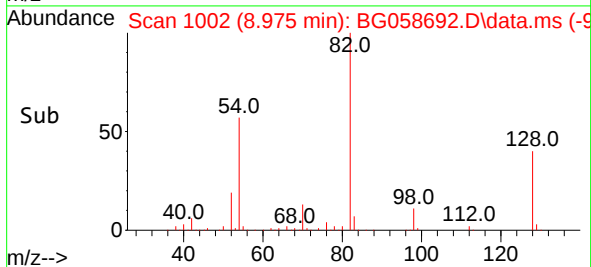
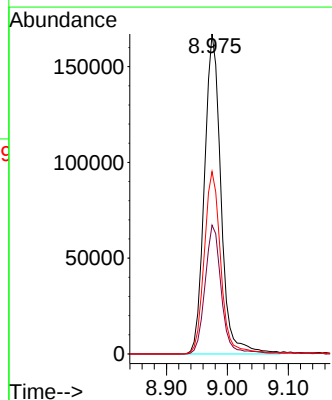
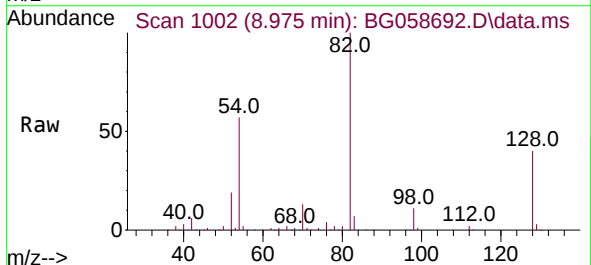
Instrument :
BNA_G
ClientSampleId :
WC-26

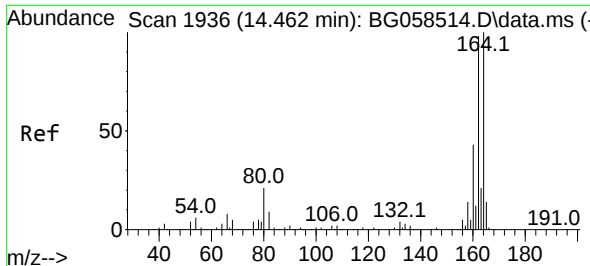
Tgt Ion:	136	Resp:	170423
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.1	8.9	13.3
68	6.8	5.6	8.4



#23
Nitrobenzene-d5
Concen: 90.673 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

Tgt Ion:	82	Resp:	314557
Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.2	48.2
54	57.0	46.0	69.0

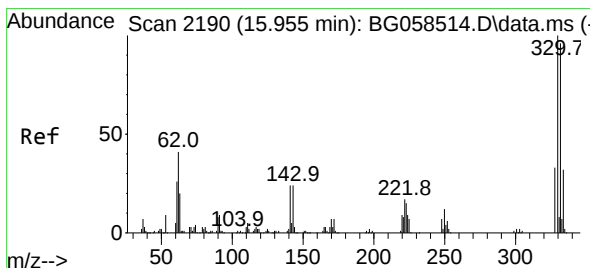
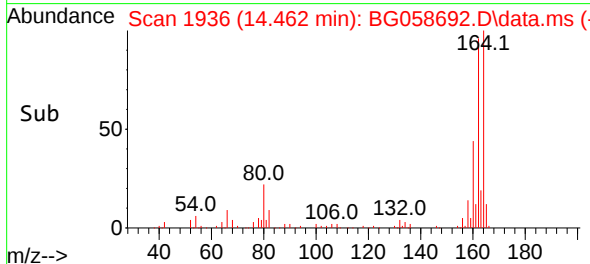
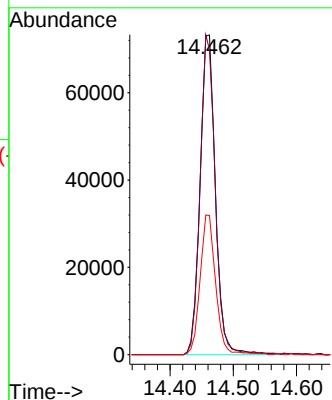
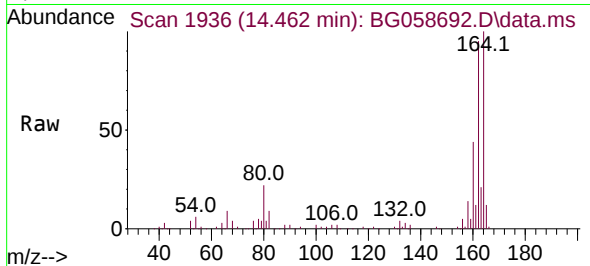




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.462 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

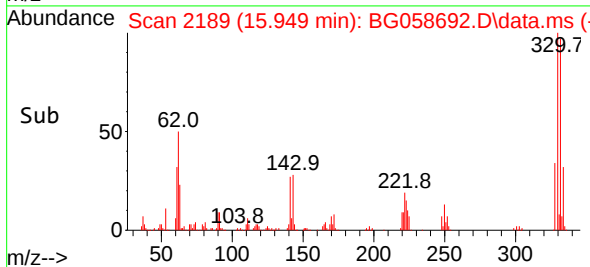
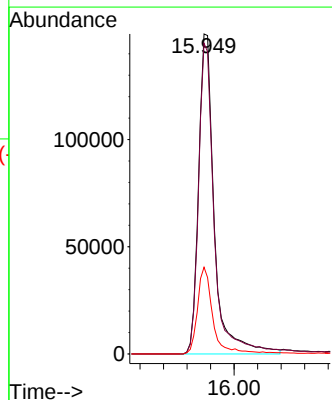
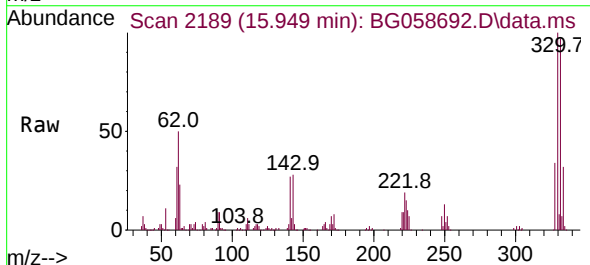
Instrument :
BNA_G
ClientSampleId :
WC-26

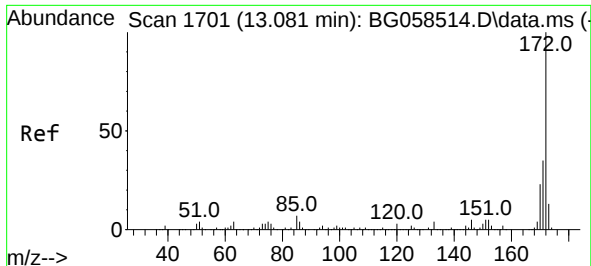
Tgt Ion:164 Resp: 123437
Ion Ratio Lower Upper
164 100
162 95.3 78.3 117.5
160 43.5 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 136.904 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

Tgt Ion:330 Resp: 276987
Ion Ratio Lower Upper
330 100
332 97.9 77.5 116.3
141 26.9 20.7 31.1

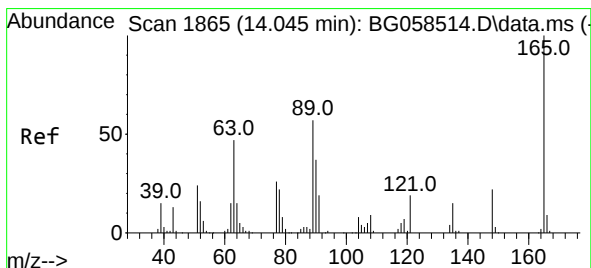
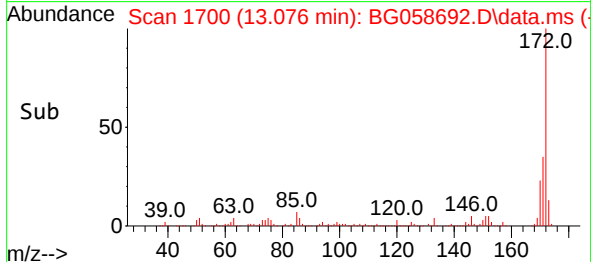
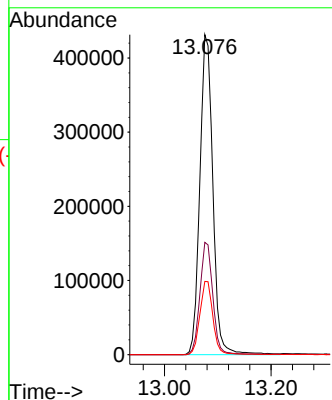
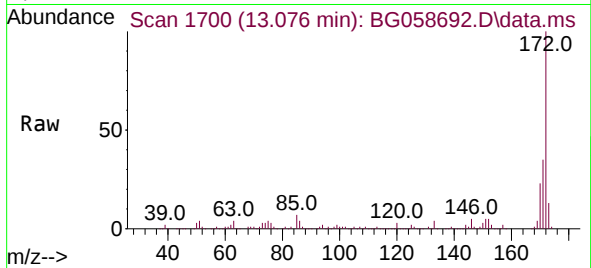




#45
2-Fluorobiphenyl
Concen: 88.634 ng
RT: 13.076 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

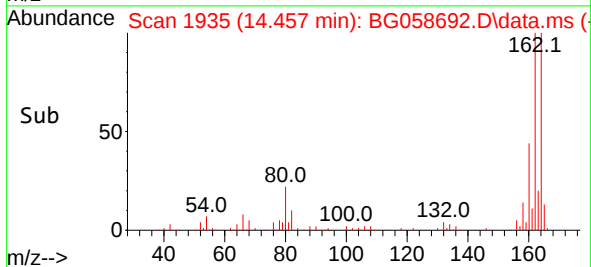
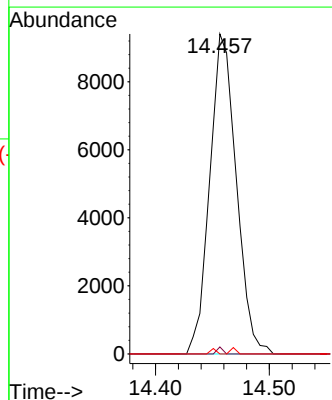
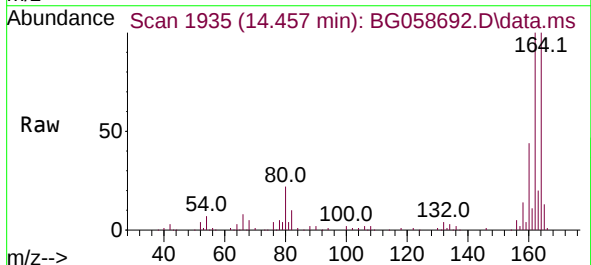
Instrument :
BNA_G
ClientSampleId :
WC-26

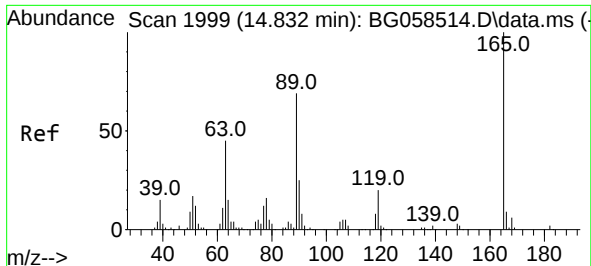
Tgt Ion:172 Resp: 730064
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.9 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.492 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.411 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

Tgt Ion:165 Resp: 15240
Ion Ratio Lower Upper
165 100
63 2.2 46.4 69.6#
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.404 ng

RT: 14.457 min Scan# 1999

Delta R.T. -0.375 min

Lab File: BG058692.D

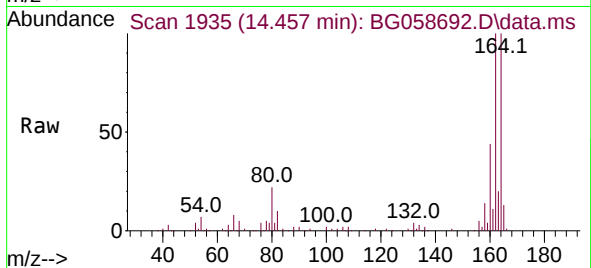
Acq: 10 Aug 2023 23:57

Instrument :

BNA_G

ClientSampleId :

WC-26



Tgt Ion:165 Resp: 15240

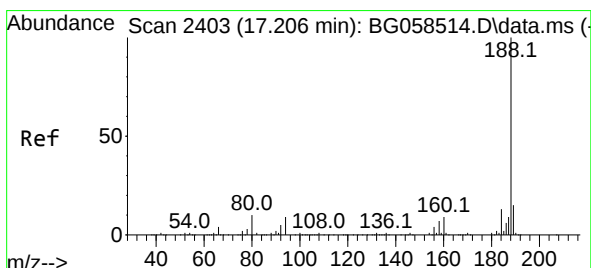
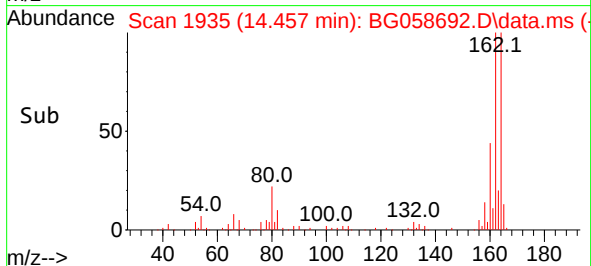
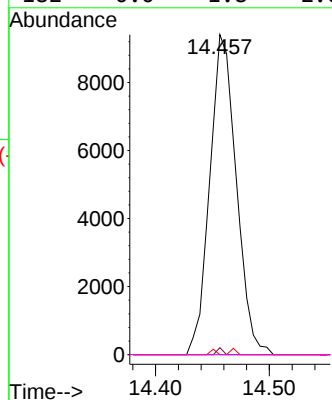
Ion Ratio Lower Upper

165 100

63 2.2 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: 17.206 min Scan# 2403

Delta R.T. 0.000 min

Lab File: BG058692.D

Acq: 10 Aug 2023 23:57

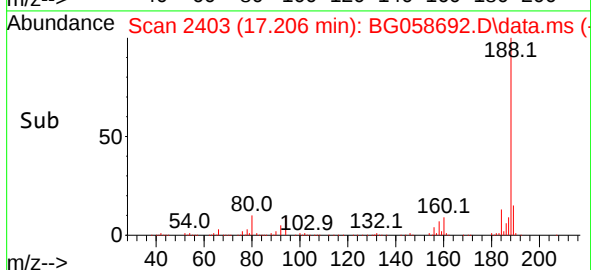
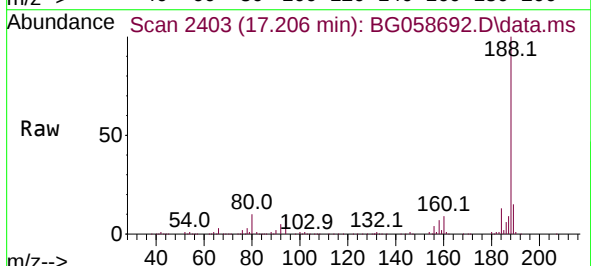
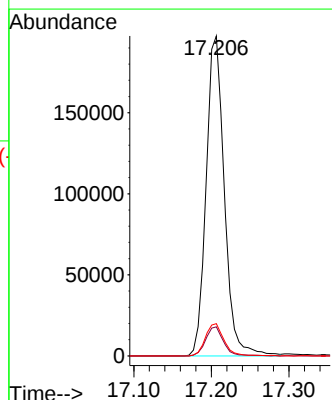
Tgt Ion:188 Resp: 322314

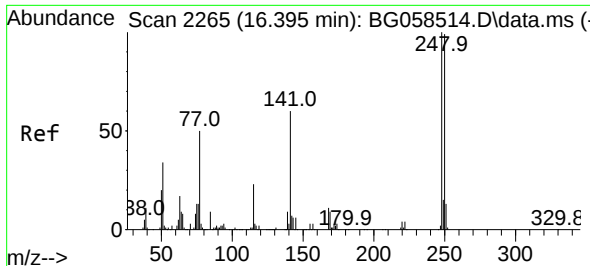
Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

80 10.1 8.1 12.1

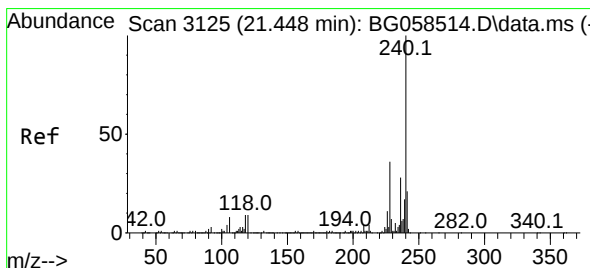
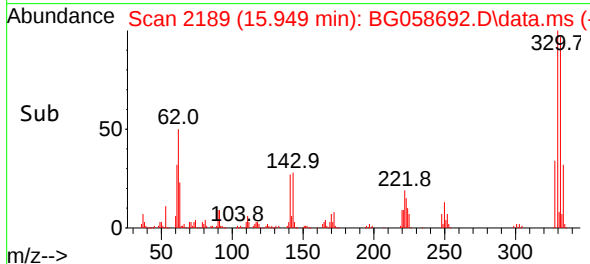
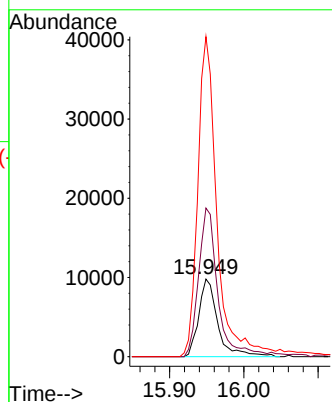
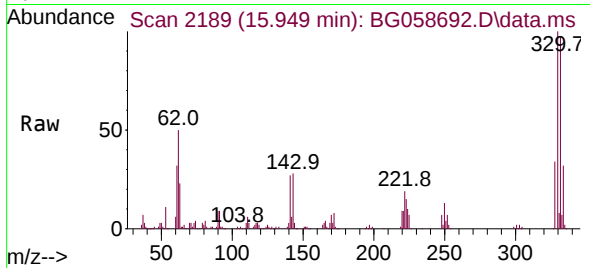




#67
4-Bromophenyl-phenylether
Concen: 4.788 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.446 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

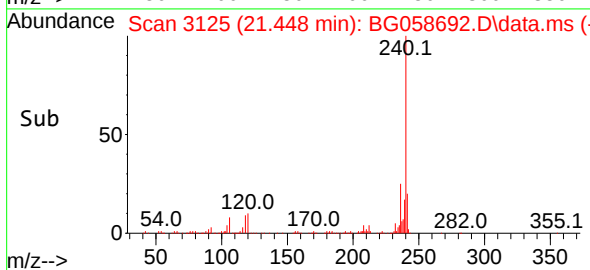
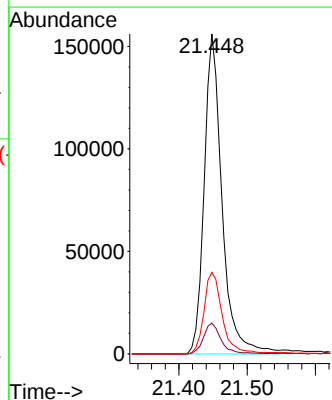
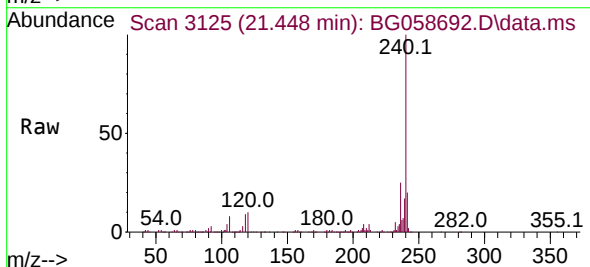
Instrument :
BNA_G
ClientSampleId :
WC-26

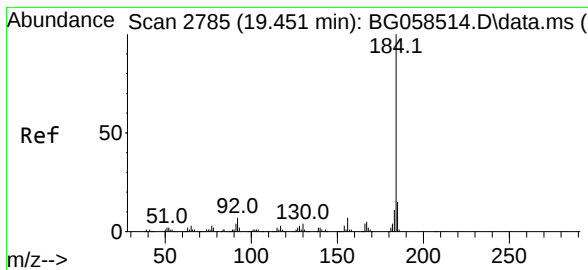
Tgt Ion:248 Resp: 17504
Ion Ratio Lower Upper
248 100
250 191.8 79.5 119.3#
141 413.0 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BG058692.D
Acq: 10 Aug 2023 23:57

Tgt Ion:240 Resp: 283264
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.0
236 25.5 22.2 33.4





#77

Benzidine

Concen: 4.357 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.376 min

Lab File: BG058692.D

Acq: 10 Aug 2023 23:57

Instrument :

BNA_G

ClientSampleId :

WC-26

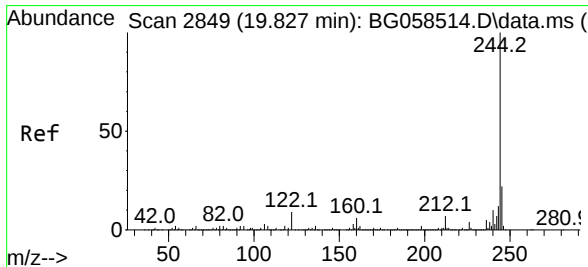
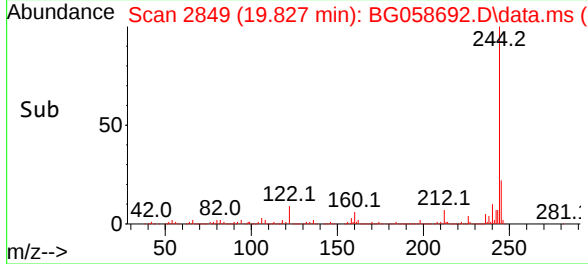
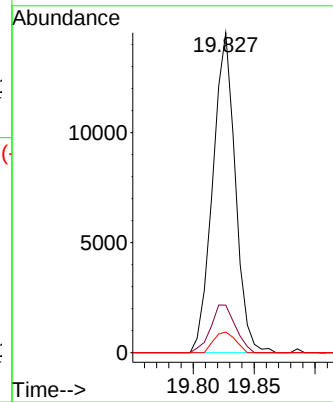
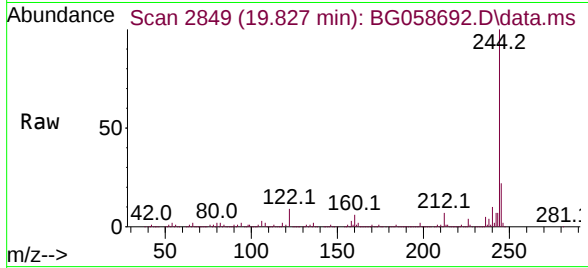
Tgt Ion:184 Resp: 18717

Ion Ratio Lower Upper

184 100

185 14.8 11.9 17.9

183 6.4 8.7 13.1#



#79

Terphenyl-d14

Concen: 100.210 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.000 min

Lab File: BG058692.D

Acq: 10 Aug 2023 23:57

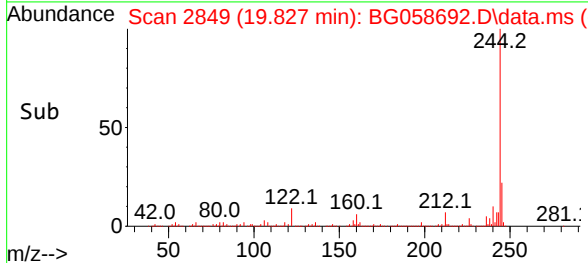
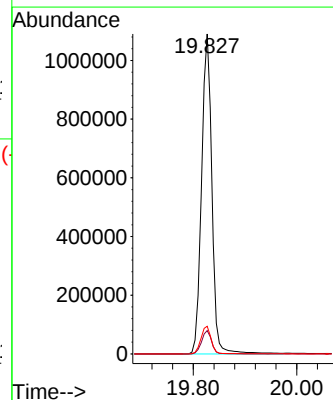
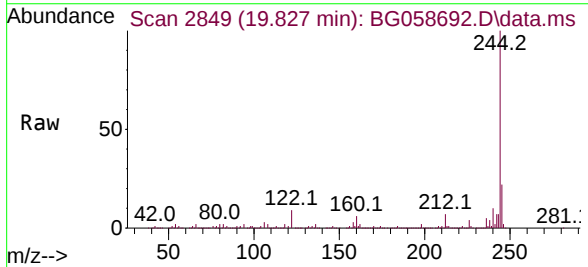
Tgt Ion:244 Resp: 1509471

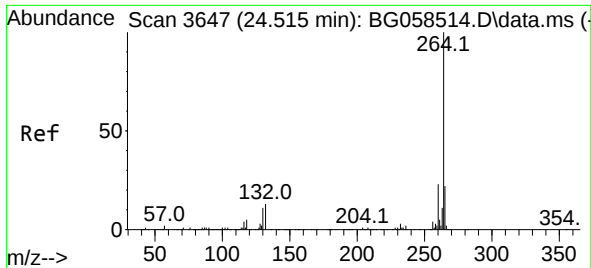
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 8.6 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.527 min Scan# 30
 Delta R.T. 0.012 min
 Lab File: BG058692.D
 Acq: 10 Aug 2023 23:57

Instrument :
 BNA_G
 ClientSampleId :
 WC-26

Tgt Ion:264 Resp: 308581
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.4 27.6
 265 20.5 17.9 26.9

