

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090624\
 Data File : BG062681.D
 Acq On : 6 Sep 2024 15:02
 Operator : MA/JU
 Sample : P3857-01
 Misc : 8270-WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-C1-COMP

Quant Time: Sep 06 15:39:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

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

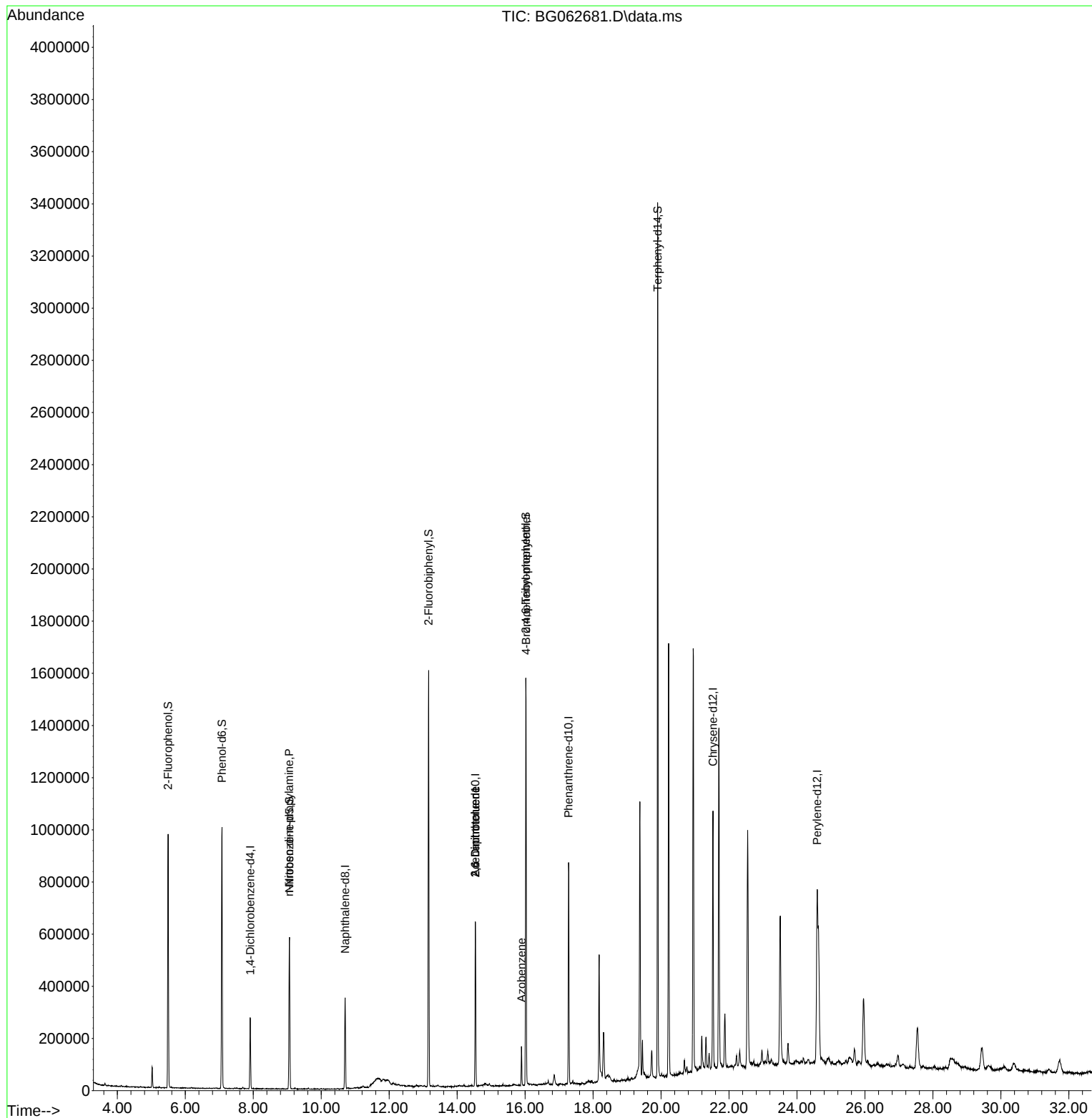
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.912	152	76845	20.000	ng	0.00
21) Naphthalene-d8	10.703	136	296342	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	220611	20.000	ng	-0.01
64) Phenanthrene-d10	17.278	188	559368	20.000	ng	-0.01
76) Chrysene-d12	21.525	240	587367	20.000	ng	0.00
86) Perylene-d12	24.592	264	695984	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	402887	90.625	ng	-0.01
7) Phenol-d6	7.078	99	561273	87.393	ng	-0.01
23) Nitrobenzene-d5	9.064	82	355141	64.542	ng	-0.01
42) 2,4,6-Tribromophenol	16.020	330	340025	109.520	ng	-0.01
45) 2-Fluorobiphenyl	13.159	172	837837	61.516	ng	-0.01
79) Terphenyl-d14	19.898	244	1729946	58.400	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.058	70	47319	9.350	ng	# 76
51) 2,6-Dinitrotoluene	14.534	165	28356	9.293	ng	# 24
57) 2,4-Dinitrotoluene	14.534	165	28356	6.811	ng	# 24
63) Azobenzene	15.891	77	42141	2.807	ng	# 1
67) 4-Bromophenyl-phenylether	16.026	248	21416	3.710	ng	# 1

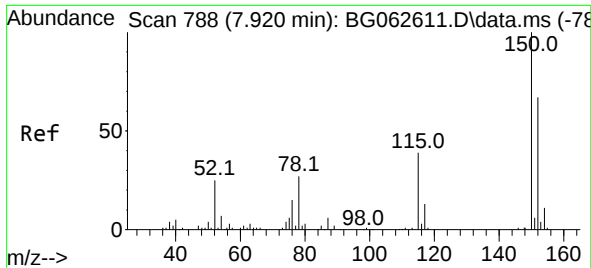
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration

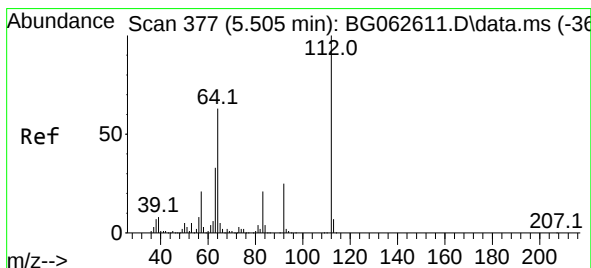
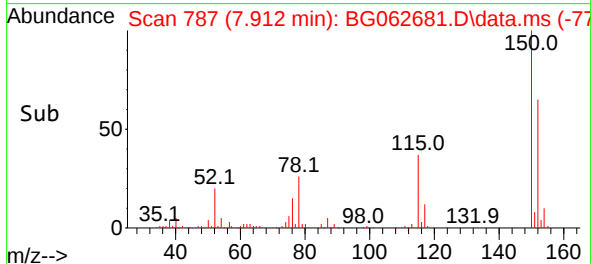
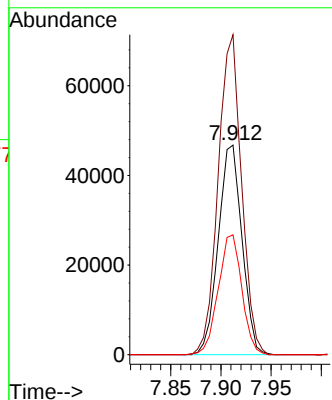
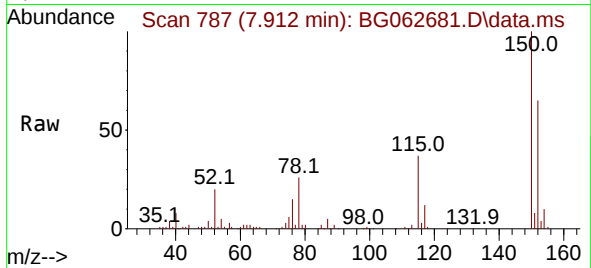




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.912 min Scan# 71
Delta R.T. -0.008 min
Lab File: BG062681.D
Acq: 6 Sep 2024 15:02

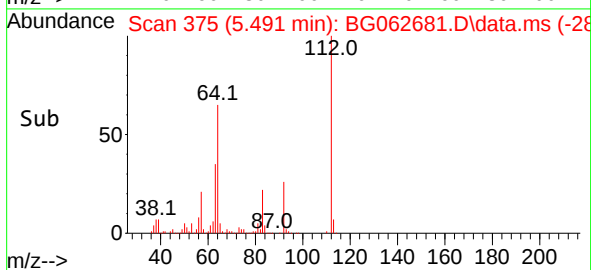
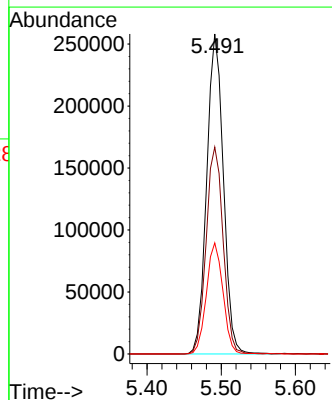
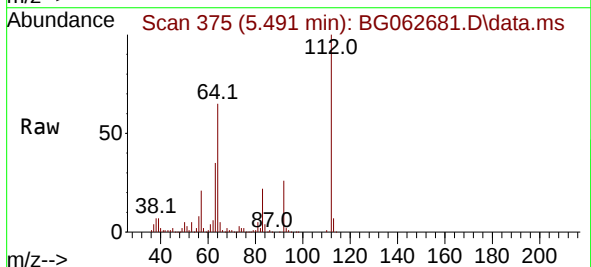
Instrument :
BNA_G
ClientSampleId :
WC-C1-COMP

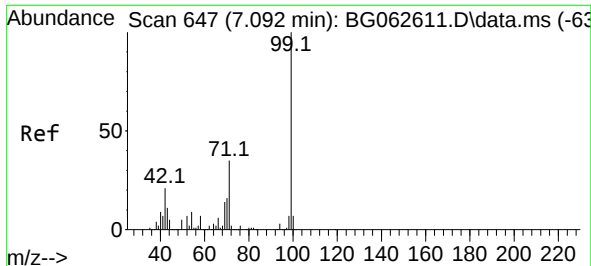
Tgt Ion:152 Resp: 76845
Ion Ratio Lower Upper
152 100
150 152.7 119.9 179.9
115 57.2 46.6 69.8



#5
2-Fluorophenol
Concen: 90.625 ng
RT: 5.491 min Scan# 375
Delta R.T. -0.014 min
Lab File: BG062681.D
Acq: 6 Sep 2024 15:02

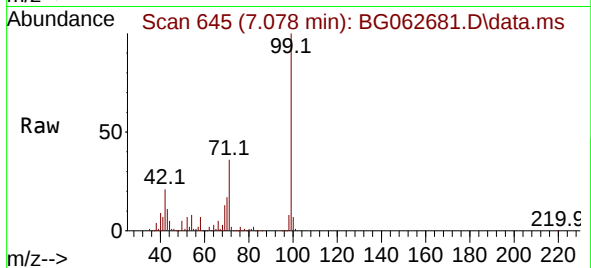
Tgt Ion:112 Resp: 402887
Ion Ratio Lower Upper
112 100
64 64.7 50.2 75.2
63 34.7 26.6 39.8



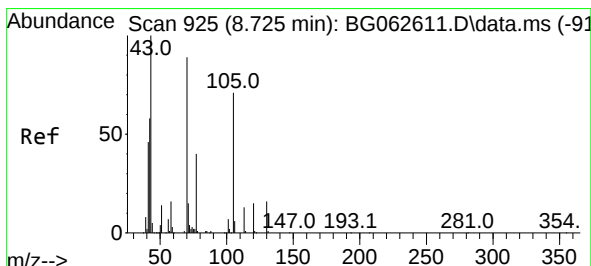
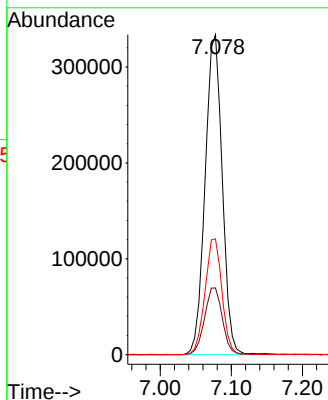
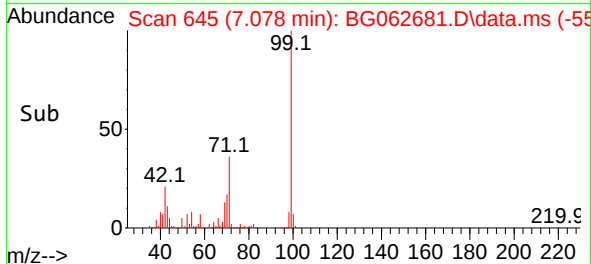


#7
Phenol-d6
Concen: 87.393 ng
RT: 7.078 min Scan# 647
Delta R.T. -0.014 min
Lab File: BG062681.D
Acq: 6 Sep 2024 15:02

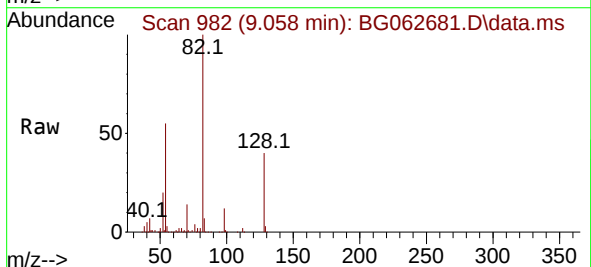
Instrument :
BNA_G
ClientSampleId :
WC-C1-COMP



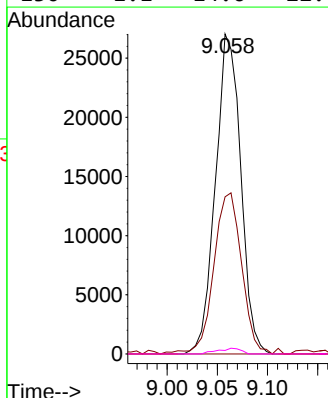
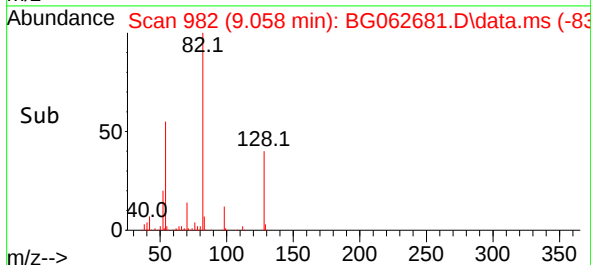
Tgt Ion: 99 Resp: 561273
Ion Ratio Lower Upper
99 100
42 20.9 16.9 25.3
71 36.2 27.9 41.9

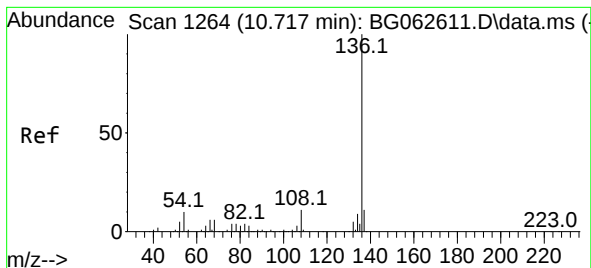


#19
n-Nitroso-di-n-propylamine
Concen: 9.350 ng
RT: 9.058 min Scan# 982
Delta R.T. 0.333 min
Lab File: BG062681.D
Acq: 6 Sep 2024 15:02



Tgt Ion: 70 Resp: 47319
Ion Ratio Lower Upper
70 100
42 49.1 52.3 78.5#
101 0.0 6.6 9.8#
130 1.1 14.6 22.0#

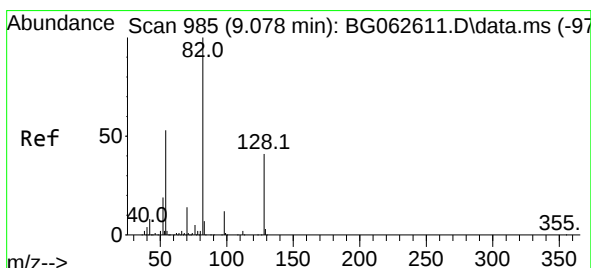
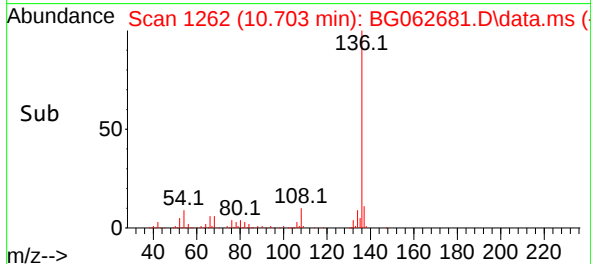
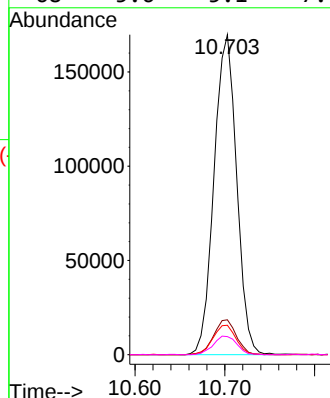
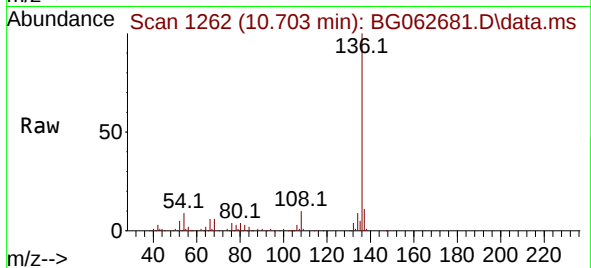




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.703 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG062681.D
Acq: 6 Sep 2024 15:02

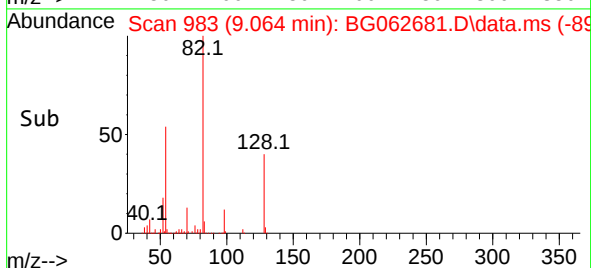
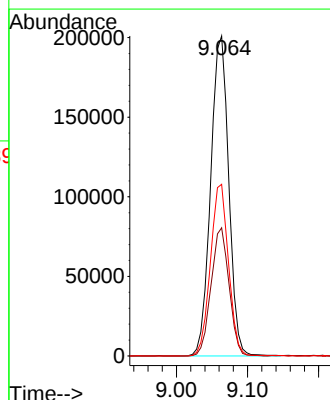
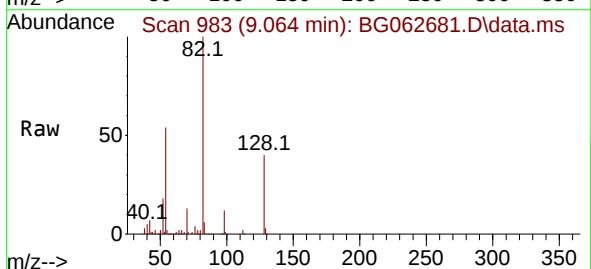
Instrument :
BNA_G
ClientSampleId :
WC-C1-COMP

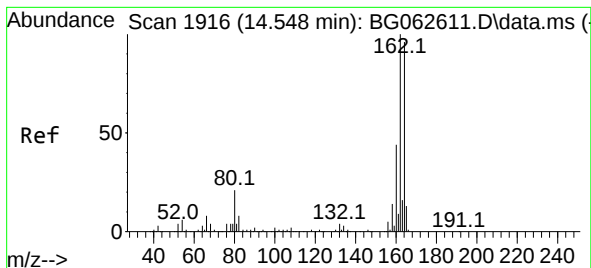
Tgt Ion:	136	Resp:	296342
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	9.2	7.8	11.6
68	5.6	5.1	7.7



#23
Nitrobenzene-d5
Concen: 64.542 ng
RT: 9.064 min Scan# 983
Delta R.T. -0.014 min
Lab File: BG062681.D
Acq: 6 Sep 2024 15:02

Tgt Ion:	82	Resp:	355141
Ion Ratio	Lower	Upper	
82	100		
128	40.1	32.5	48.7
54	53.7	42.5	63.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.534 min Scan# 1914

Delta R.T. -0.014 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

Instrument :

BNA_G

ClientSampleId :

WC-C1-COMP

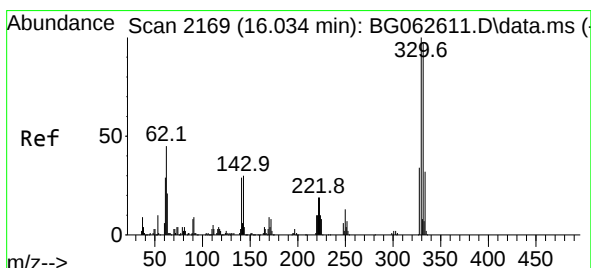
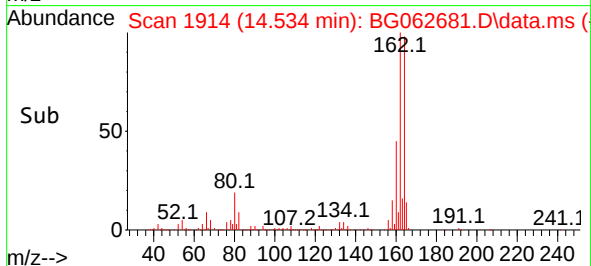
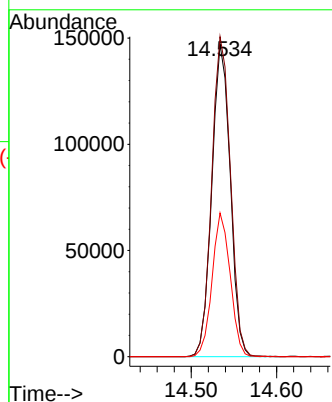
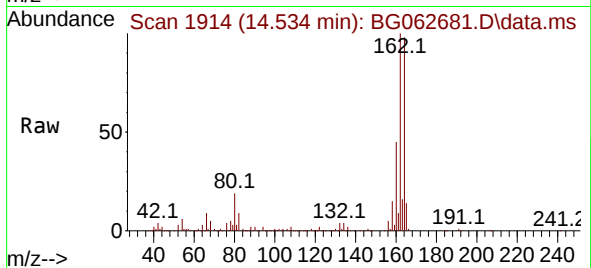
Tgt Ion:164 Resp: 220611

Ion Ratio Lower Upper

164 100

162 102.4 83.1 124.7

160 46.0 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 109.520 ng

RT: 16.020 min Scan# 2167

Delta R.T. -0.014 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

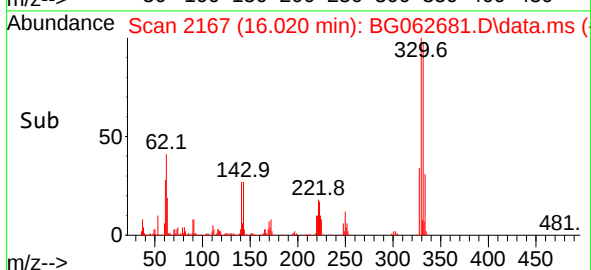
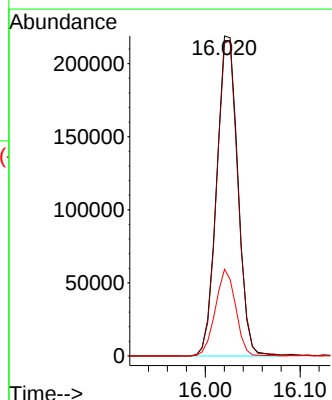
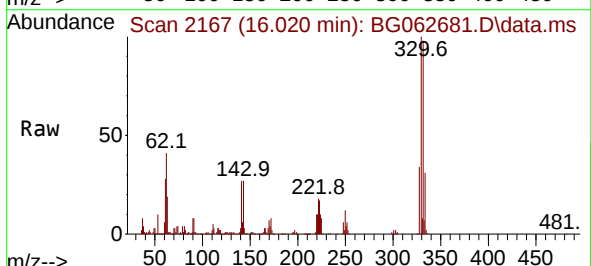
Tgt Ion:330 Resp: 340025

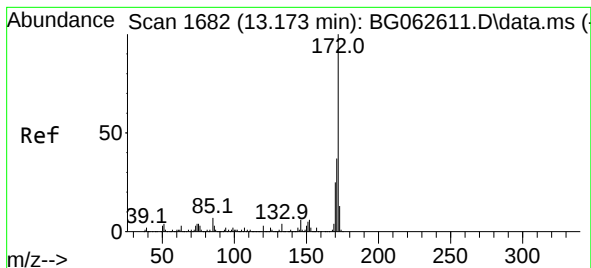
Ion Ratio Lower Upper

330 100

332 98.3 77.2 115.8

141 25.9 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 61.516 ng

RT: 13.159 min Scan# 1

Delta R.T. -0.014 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

Instrument :

BNA_G

ClientSampleId :

WC-C1-COMP

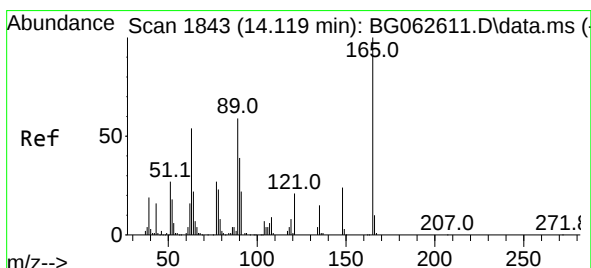
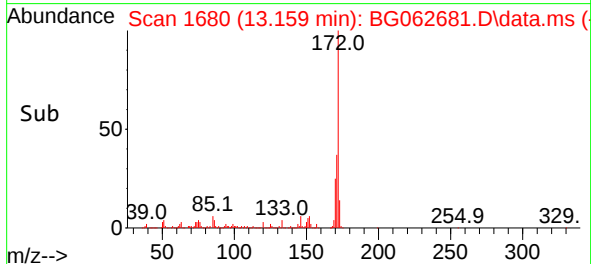
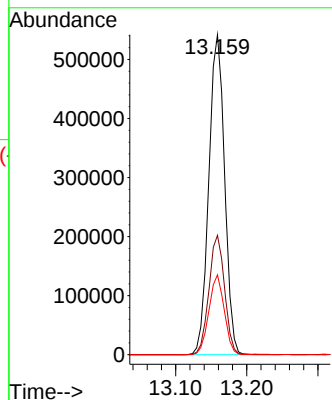
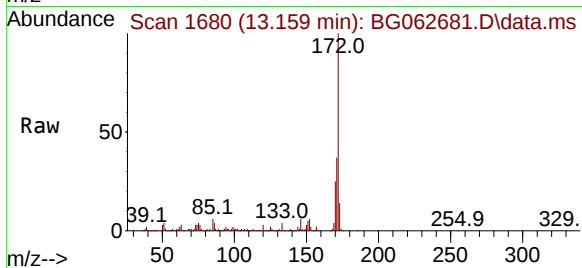
Tgt Ion:172 Resp: 837837

Ion Ratio Lower Upper

172 100

171 37.3 29.7 44.5

170 25.0 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 9.293 ng

RT: 14.534 min Scan# 1914

Delta R.T. 0.415 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

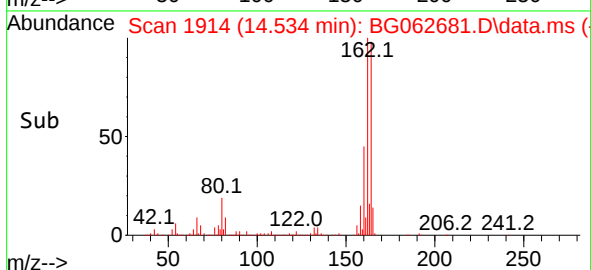
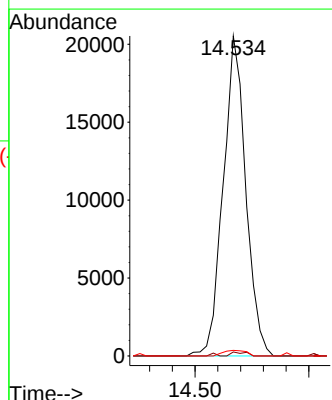
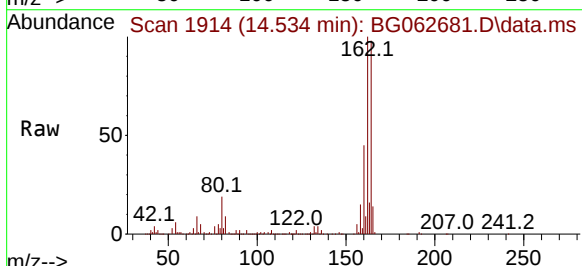
Tgt Ion:165 Resp: 28356

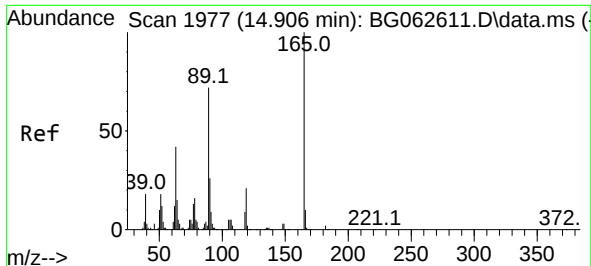
Ion Ratio Lower Upper

165 100

63 1.3 46.6 69.8#

89 1.8 47.2 70.8#





#57

2,4-Dinitrotoluene

Concen: 6.811 ng

RT: 14.534 min Scan# 1977

Delta R.T. -0.372 min

Lab File: BG062681.D

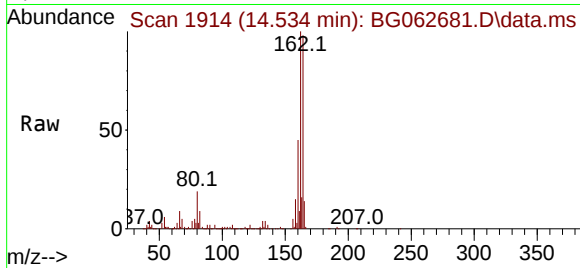
Acq: 6 Sep 2024 15:02

Instrument :

BNA_G

ClientSampleId :

WC-C1-COMP



Tgt Ion:165 Resp: 28356

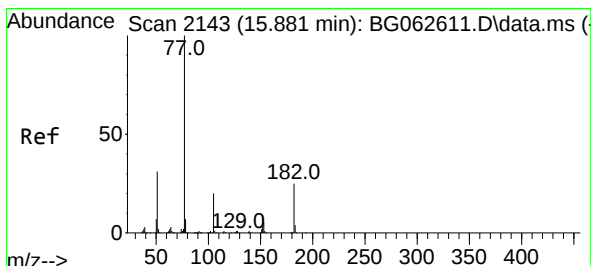
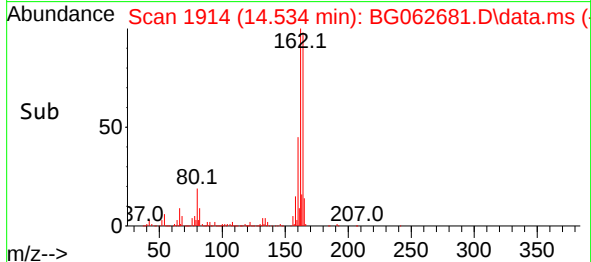
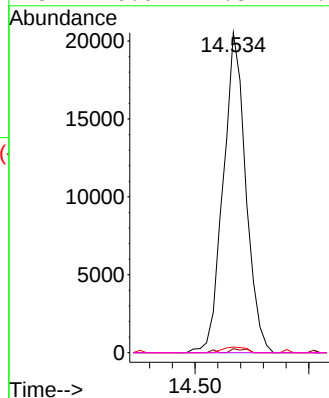
Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.6#

89 1.8 57.9 86.9#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 2.807 ng

RT: 15.891 min Scan# 2145

Delta R.T. 0.010 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

Tgt Ion: 77 Resp: 42141

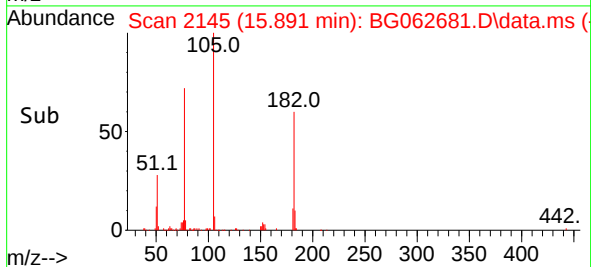
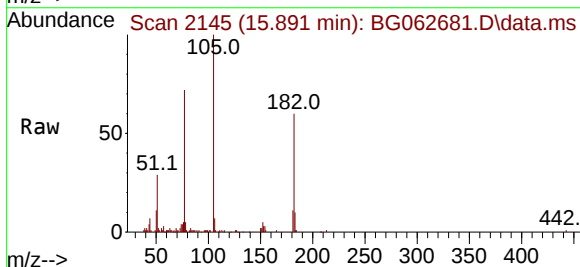
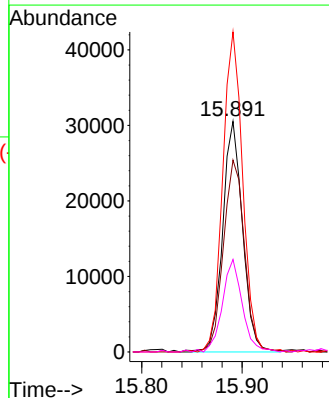
Ion Ratio Lower Upper

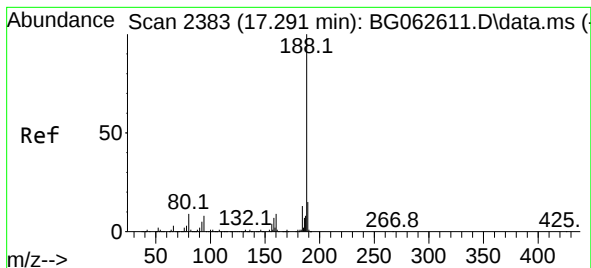
77 100

182 83.2 5.0 45.0#

105 138.8 0.5 40.5#

51 40.1 11.4 51.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.278 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

Instrument :

BNA_G

ClientSampleId :

WC-C1-COMP

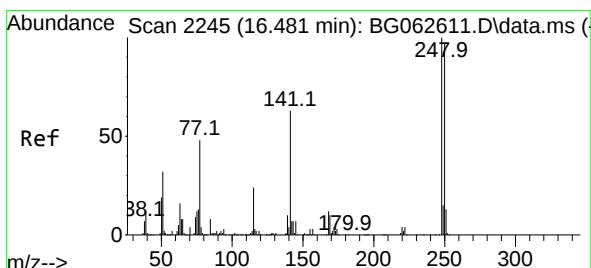
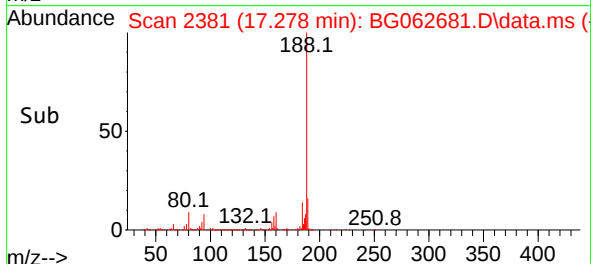
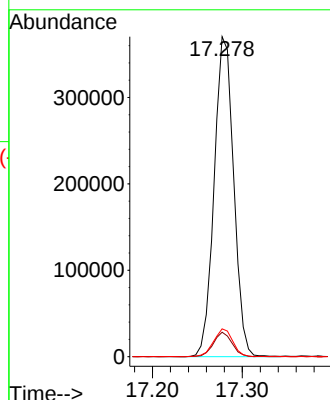
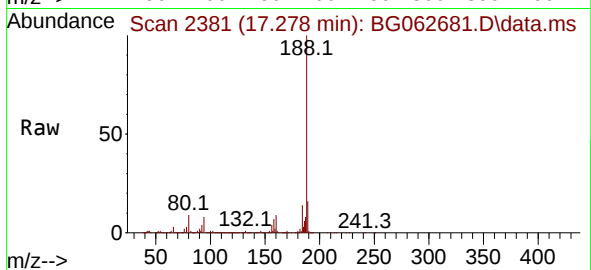
Tgt Ion:188 Resp: 559368

Ion Ratio Lower Upper

188 100

94 7.7 6.3 9.5

80 8.7 7.0 10.4



#67

4-Bromophenyl-phenylether

Concen: 3.710 ng

RT: 16.026 min Scan# 2168

Delta R.T. -0.455 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

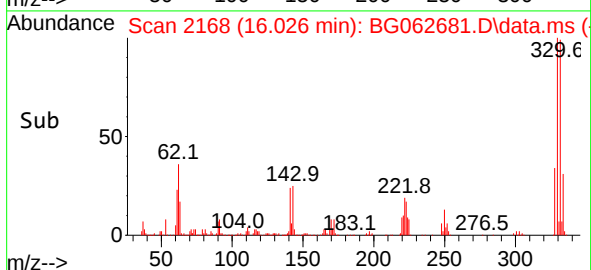
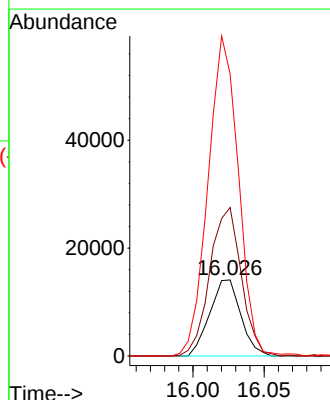
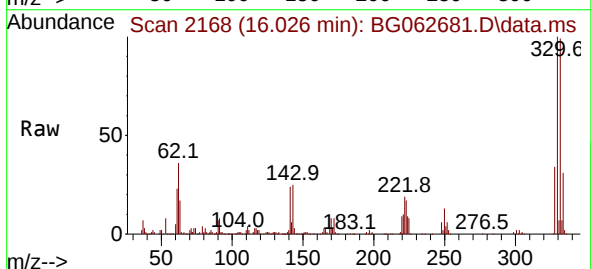
Tgt Ion:248 Resp: 21416

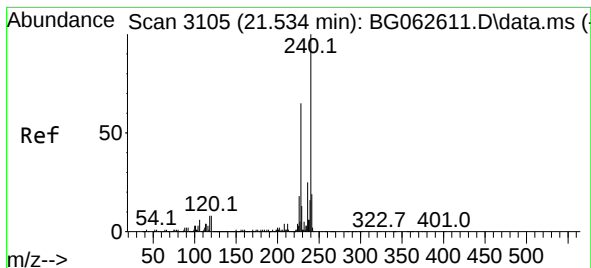
Ion Ratio Lower Upper

248 100

250 195.2 77.9 116.9#

141 370.6 50.2 75.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.525 min Scan# 3104

Delta R.T. -0.008 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

Instrument :

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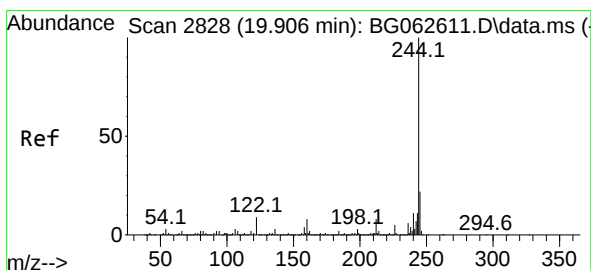
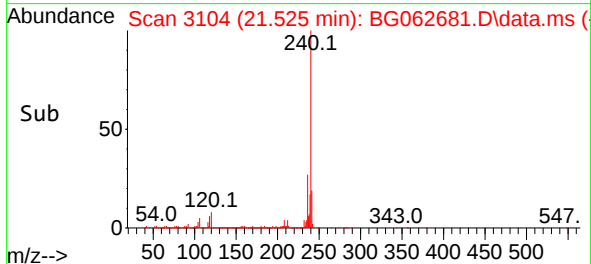
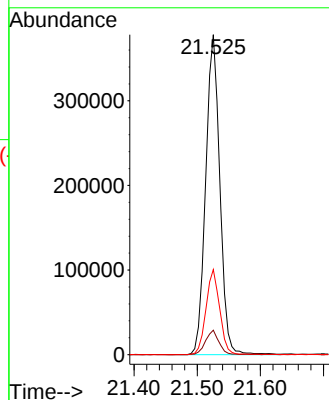
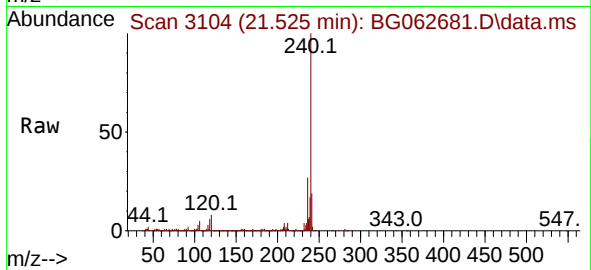
Tgt Ion:240 Resp: 587367

Ion Ratio Lower Upper

240 100

120 7.6 6.6 9.8

236 26.6 20.2 30.4



#79

Terphenyl-d14

Concen: 58.400 ng

RT: 19.898 min Scan# 2827

Delta R.T. -0.008 min

Lab File: BG062681.D

Acq: 6 Sep 2024 15:02

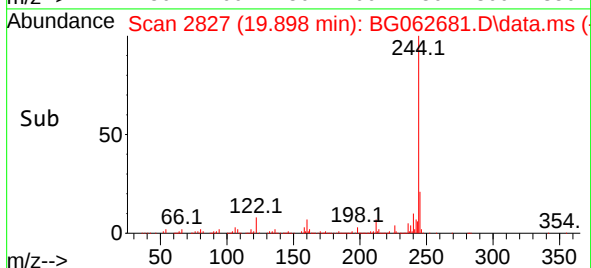
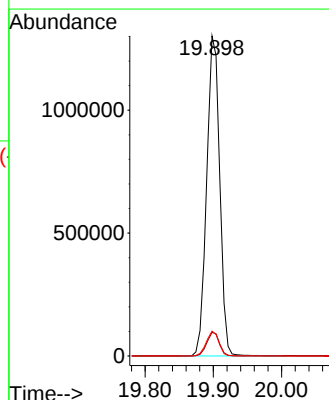
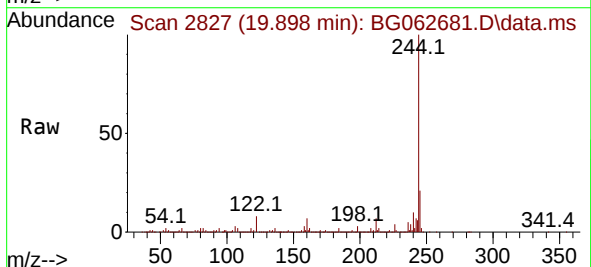
Tgt Ion:244 Resp: 1729946

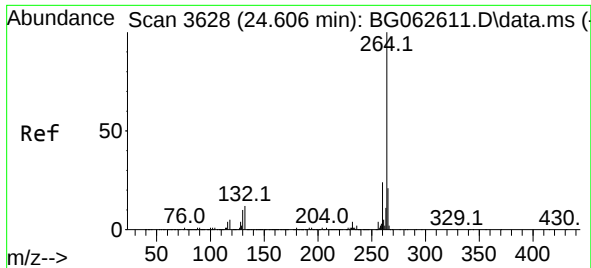
Ion Ratio Lower Upper

244 100

212 7.3 6.6 10.0

122 7.8 7.2 10.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.592 min Scan# 30
 Delta R.T. -0.014 min
 Lab File: BG062681.D
 Acq: 6 Sep 2024 15:02

Instrument :
 BNA_G
 ClientSampleId :
 WC-C1-COMP

Tgt Ion:264 Resp: 695984

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	21.3	17.3	25.9

