

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136768.D
 Acq On : 27 Dec 2023 20:28
 Operator : CG\JU
 Sample : 05862-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-LIQUIDS-20231213-01

Quant Time: Dec 27 22:46:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

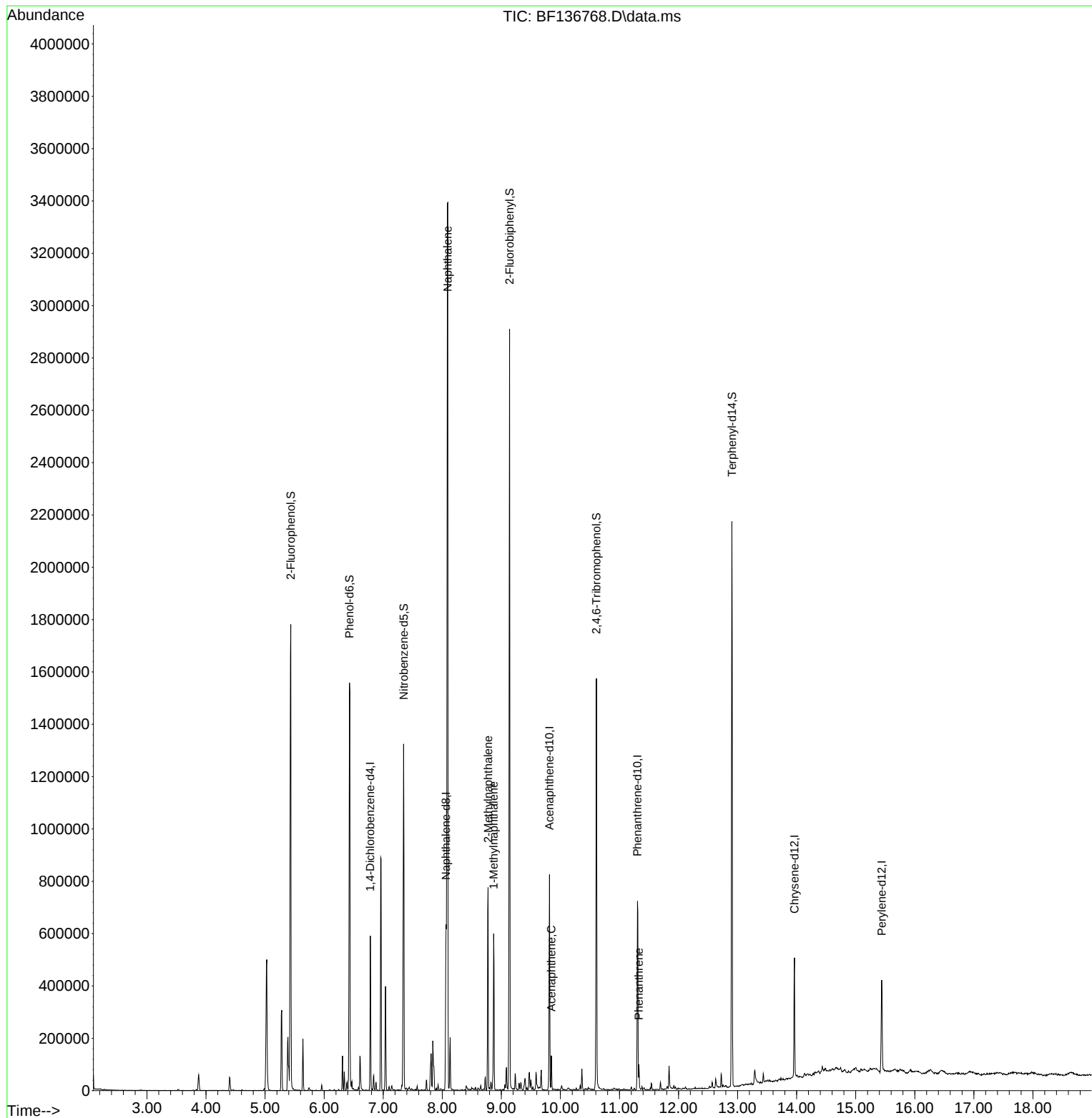
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	77841	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	295518	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	150136	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	276948	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	149066	20.000	ng	0.00
86) Perylene-d12	15.439	264	168881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	502903	100.804	ng	0.00
7) Phenol-d6	6.428	99	594351	91.942	ng	-0.01
23) Nitrobenzene-d5	7.345	82	436424	75.570	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	195530	110.582	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	864582	77.453	ng	-0.01
79) Terphenyl-d14	12.904	244	806844	75.640	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.092	128	1857523	114.415	ng	100
37) 2-Methylnaphthalene	8.775	142	201081	19.245	ng	100
38) 1-Methylnaphthalene	8.869	142	147249	14.365	ng	99
52) Acenaphthene	9.845	154	23073	2.543	ng	95
71) Phenanthrene	11.328	178	31153	2.192	ng	98

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

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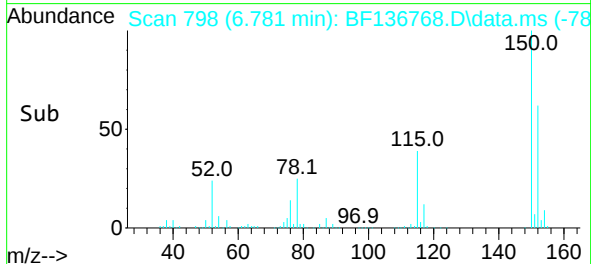
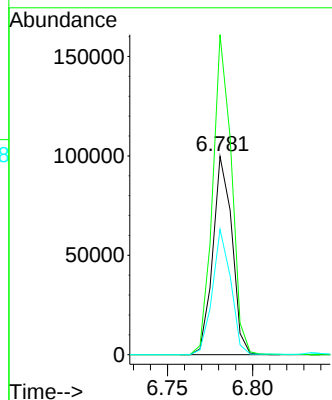
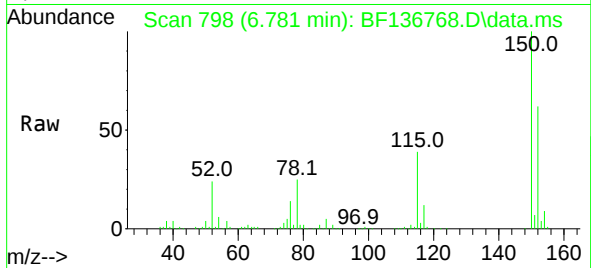




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

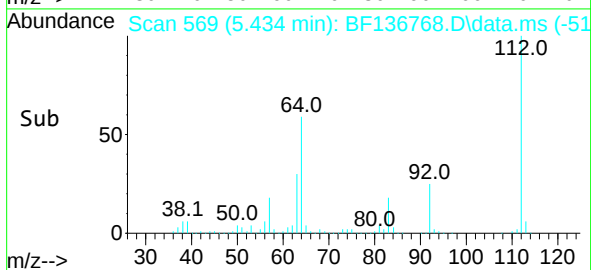
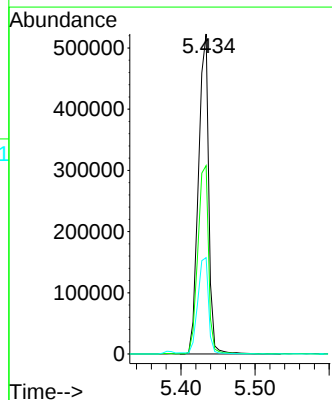
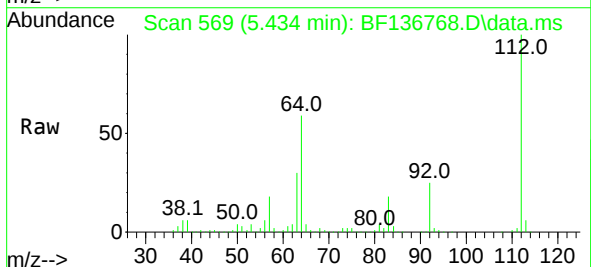
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01

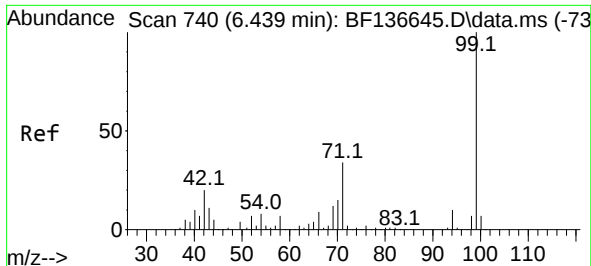
Tgt Ion:152 Resp: 77841
Ion Ratio Lower Upper
152 100
150 161.4 127.0 190.6
115 63.2 49.0 73.4



#5
2-Fluorophenol
Concen: 100.804 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

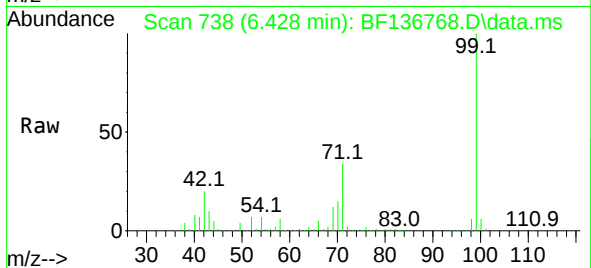
Tgt Ion:112 Resp: 502903
Ion Ratio Lower Upper
112 100
64 58.8 51.1 76.7
63 30.1 26.1 39.1



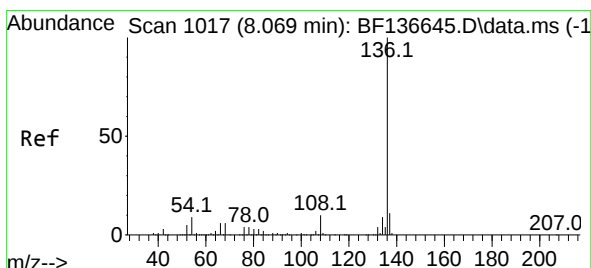
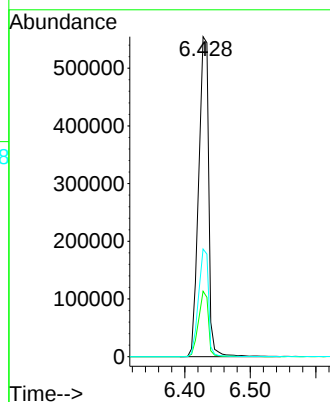
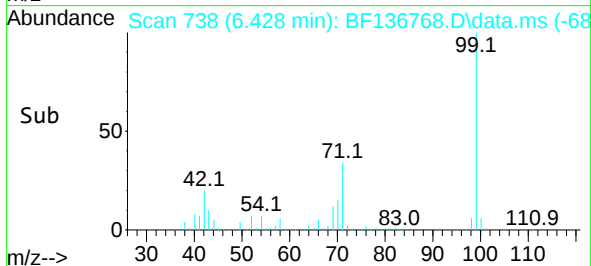


#7
Phenol-d6
Concen: 91.942 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01

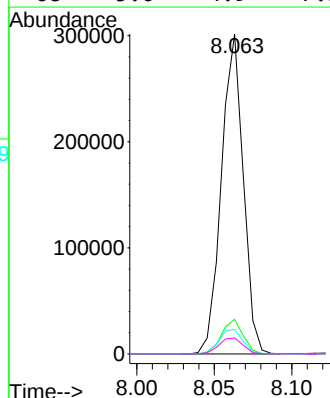
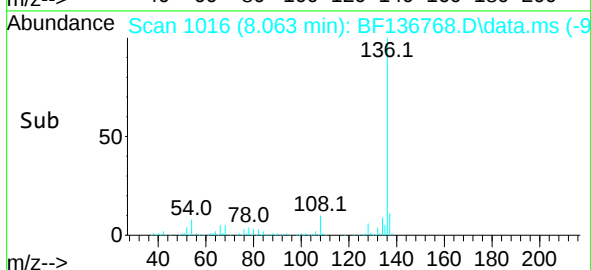
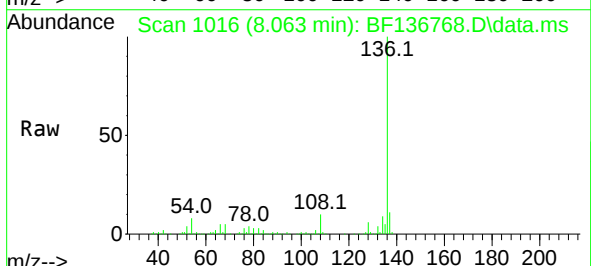


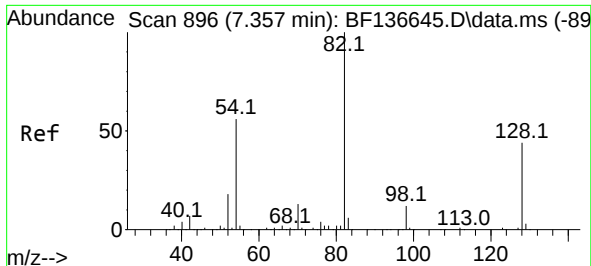
Tgt Ion: 99 Resp: 594351
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 33.6 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

Tgt Ion: 136 Resp: 295518
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 7.7 7.2 10.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 75.570 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136768.D

Acq: 27 Dec 2023 20:28

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01

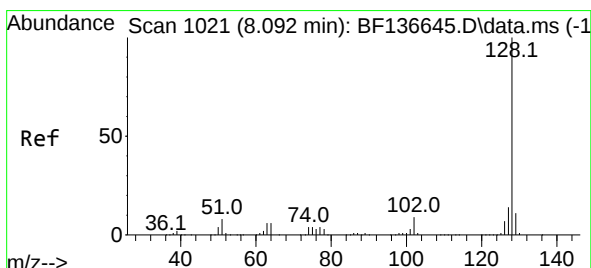
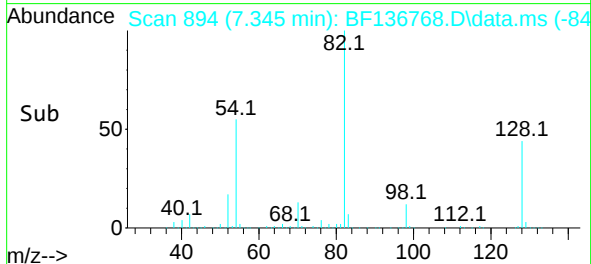
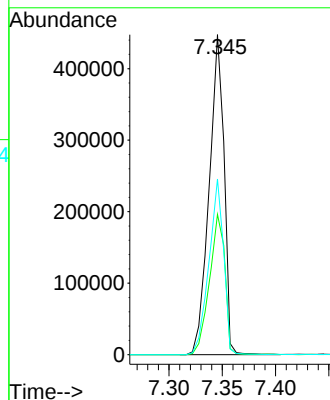
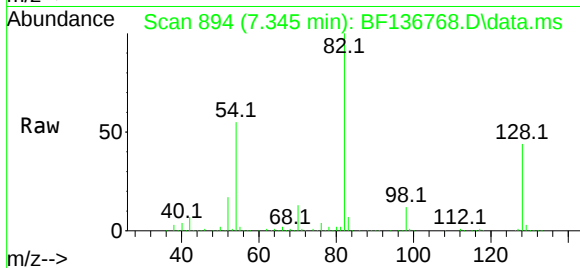
Tgt Ion: 82 Resp: 436424

Ion Ratio Lower Upper

82 100

128 43.9 35.3 52.9

54 54.9 44.5 66.7



#31

Naphthalene

Concen: 114.415 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF136768.D

Acq: 27 Dec 2023 20:28

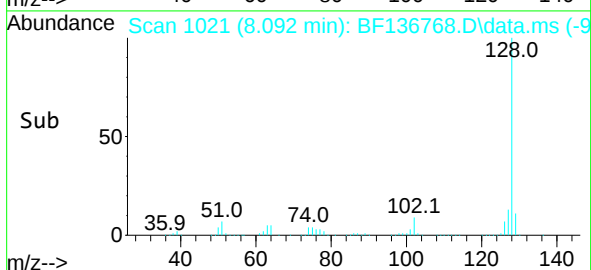
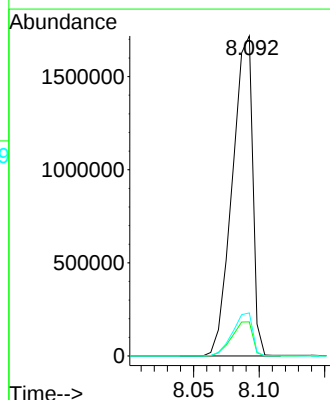
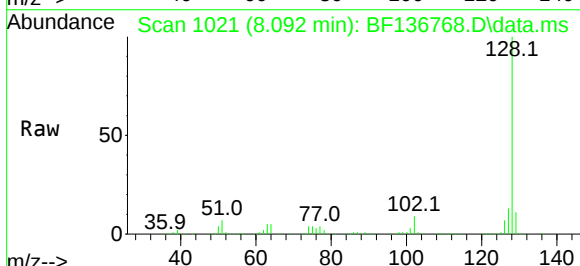
Tgt Ion: 128 Resp: 1857523

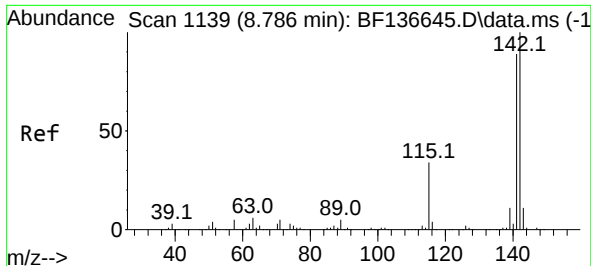
Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 13.5 10.8 16.2





#37

2-Methylnaphthalene

Concen: 19.245 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136768.D

Acq: 27 Dec 2023 20:28

Instrument :

BNA_F

ClientSampleId :

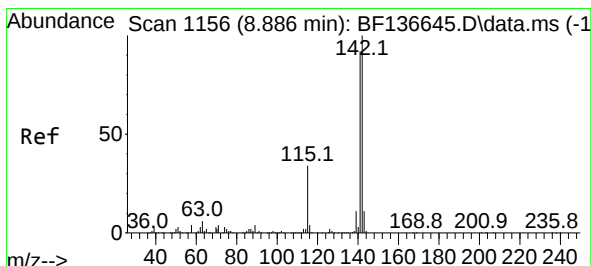
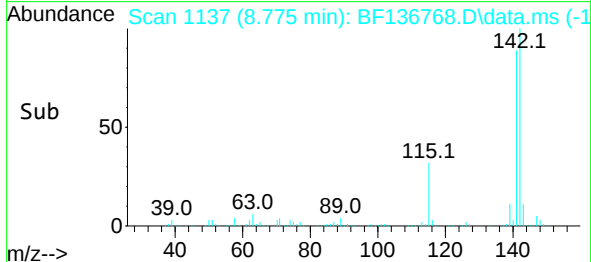
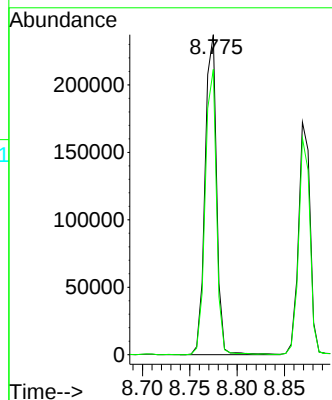
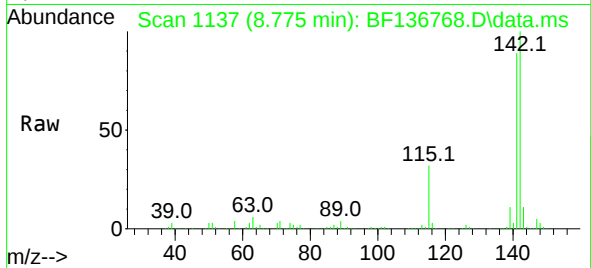
WC-LIQUIDS-20231213-01

Tgt Ion:142 Resp: 201081

Ion Ratio Lower Upper

142 100

141 89.2 71.1 106.7



#38

1-Methylnaphthalene

Concen: 14.365 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.017 min

Lab File: BF136768.D

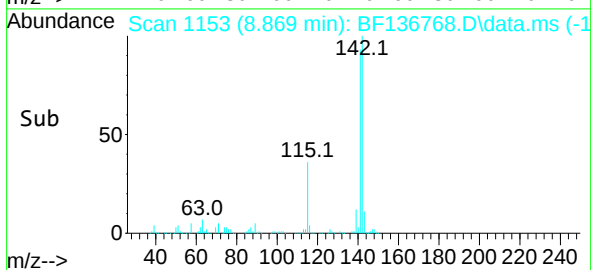
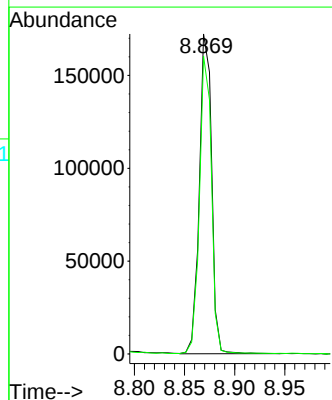
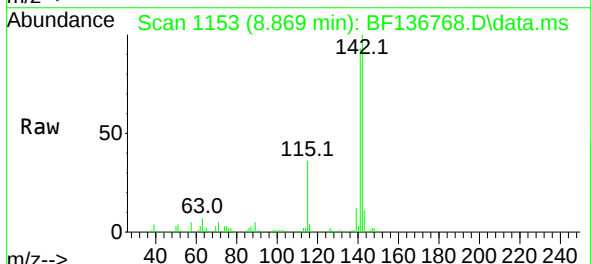
Acq: 27 Dec 2023 20:28

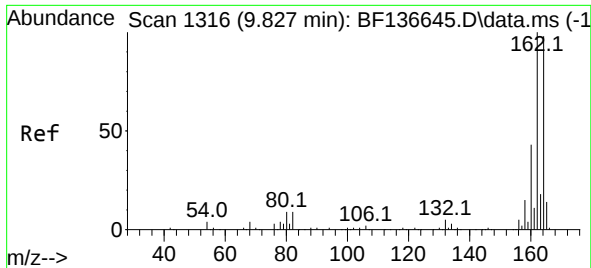
Tgt Ion:142 Resp: 147249

Ion Ratio Lower Upper

142 100

141 93.1 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136768.D

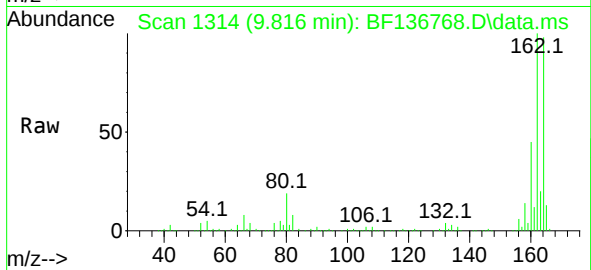
Acq: 27 Dec 2023 20:28

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01



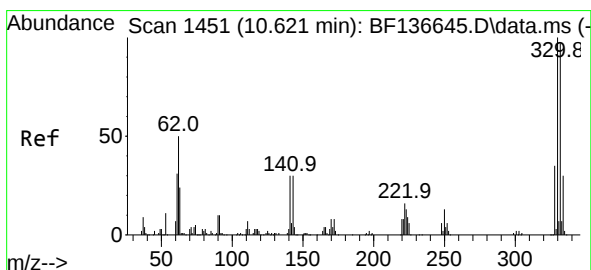
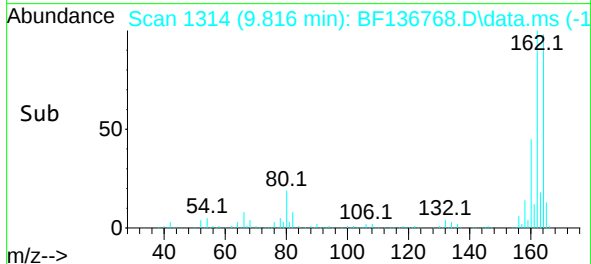
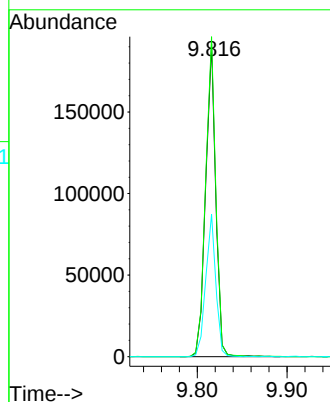
Tgt Ion:164 Resp: 150136

Ion Ratio Lower Upper

164 100

162 102.3 81.6 122.4

160 45.6 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 110.582 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136768.D

Acq: 27 Dec 2023 20:28

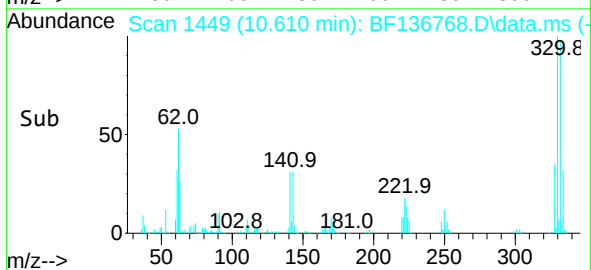
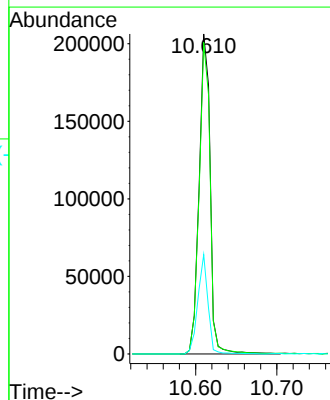
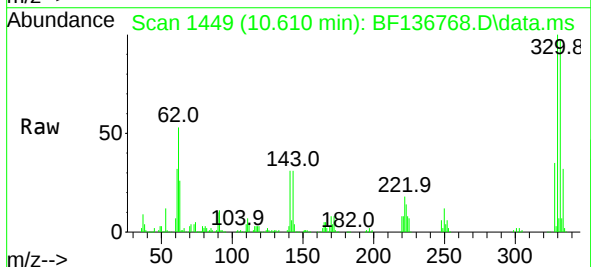
Tgt Ion:330 Resp: 195530

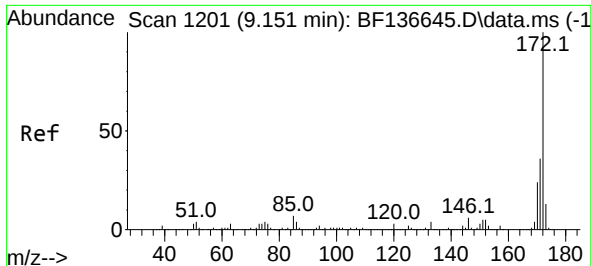
Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 28.7 23.4 35.2

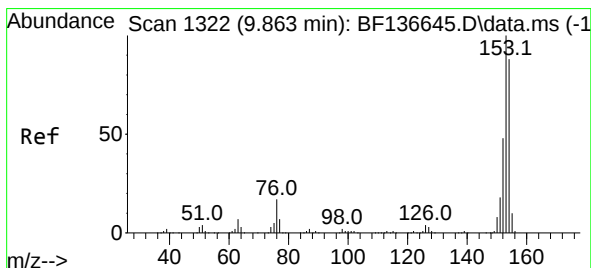
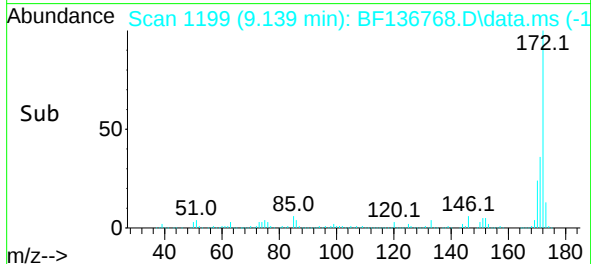
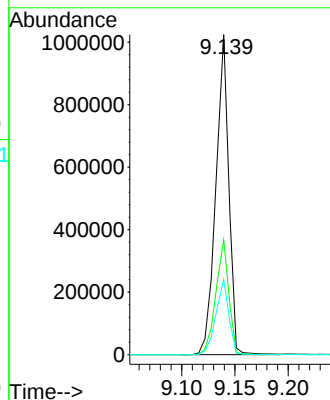
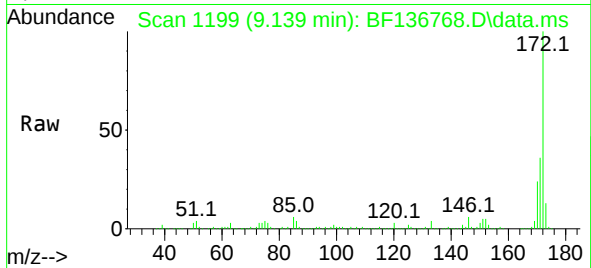




#45
2-Fluorobiphenyl
Concen: 77.453 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

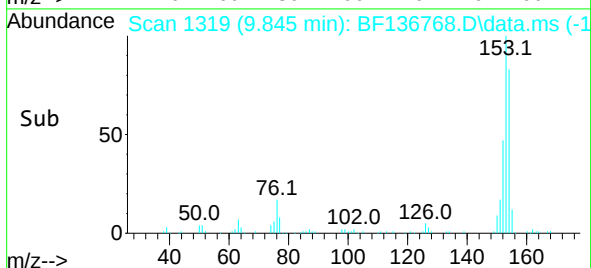
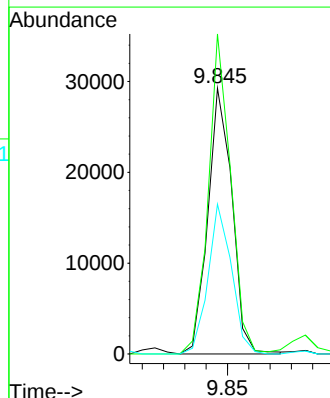
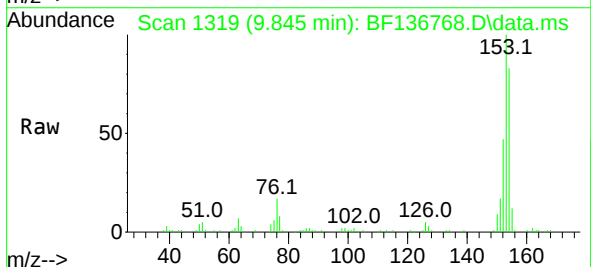
Instrument :
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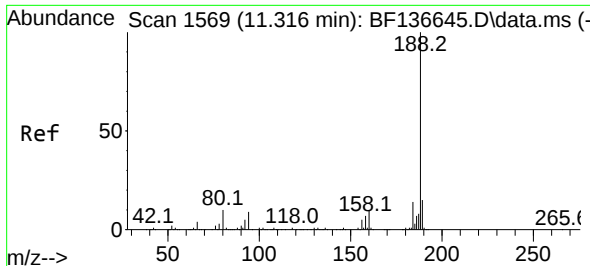
Tgt Ion:172 Resp: 864582
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.6
170 23.6 19.0 28.4



#52
Acenaphthene
Concen: 2.543 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

Tgt Ion:154 Resp: 23073
Ion Ratio Lower Upper
154 100
153 120.4 90.7 136.1
152 56.3 43.7 65.5

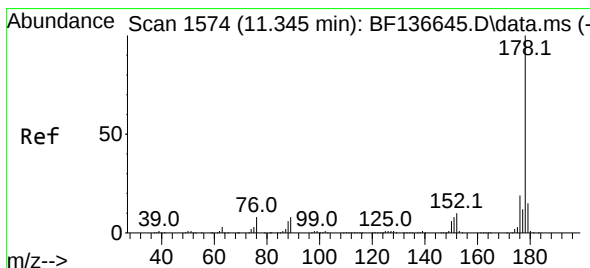
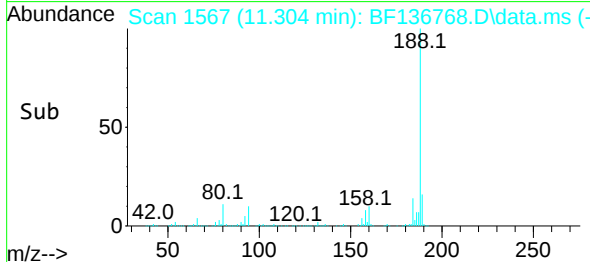
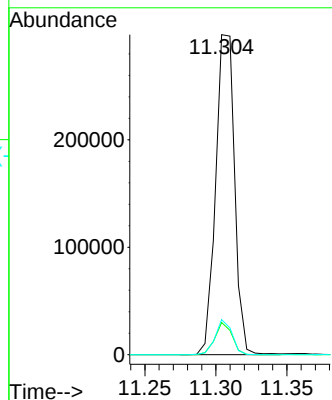
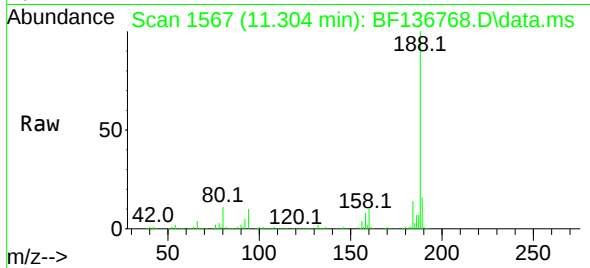




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

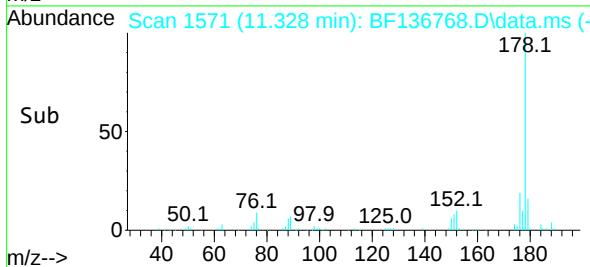
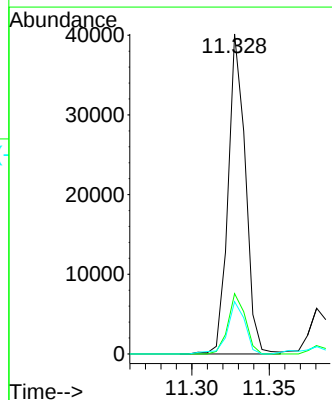
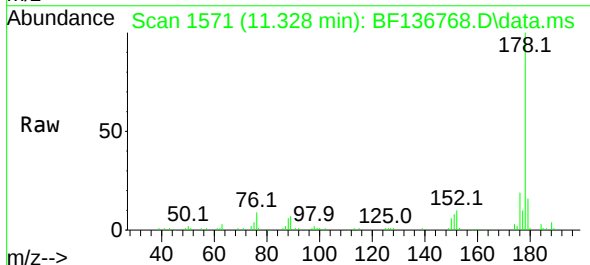
Instrument :
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WC-LIQUIDS-20231213-01

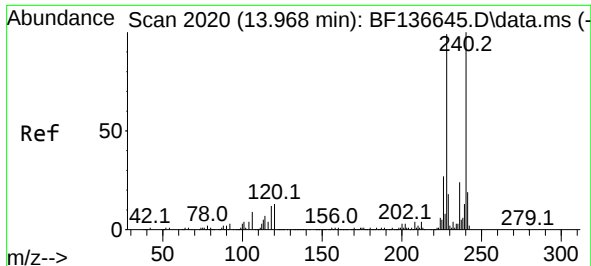
Tgt Ion:188 Resp: 276948
Ion Ratio Lower Upper
188 100
94 10.1 7.5 11.3
80 11.0 8.1 12.1



#71
Phenanthrene
Concen: 2.192 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.017 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

Tgt Ion:178 Resp: 31153
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 16.4 11.9 17.9

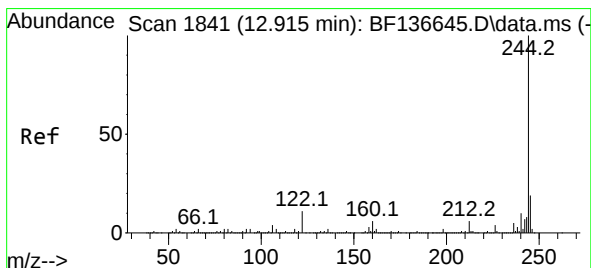
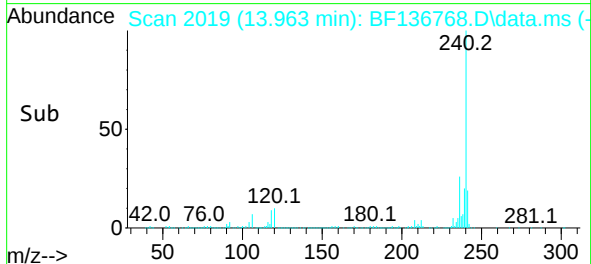
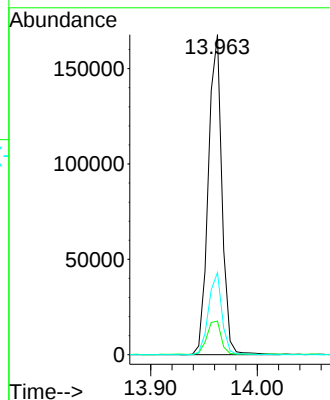
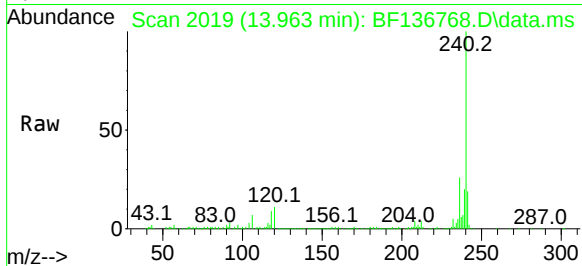




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

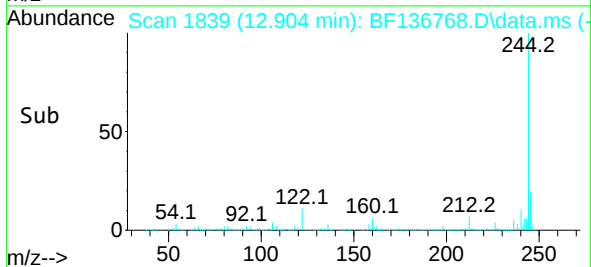
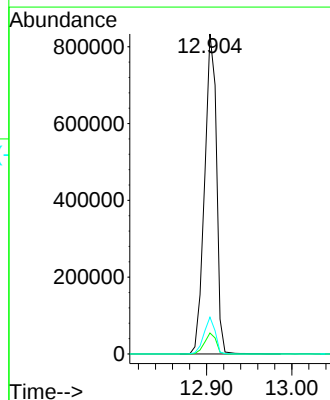
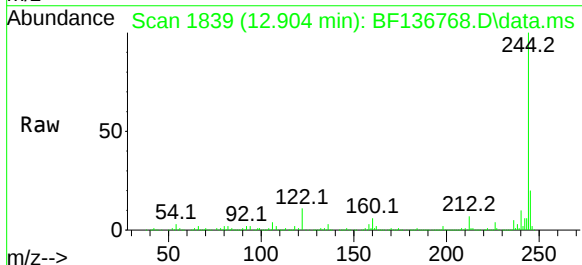
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01

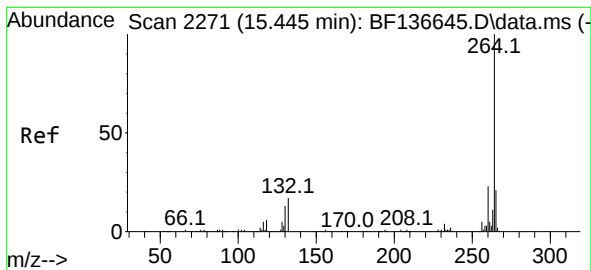
Tgt Ion:240 Resp: 149066
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 25.6 19.4 29.2



#79
Terphenyl-d14
Concen: 75.640 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136768.D
Acq: 27 Dec 2023 20:28

Tgt Ion:244 Resp: 806844
Ion Ratio Lower Upper
244 100
212 6.6 5.0 7.4
122 11.5 9.0 13.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136768.D

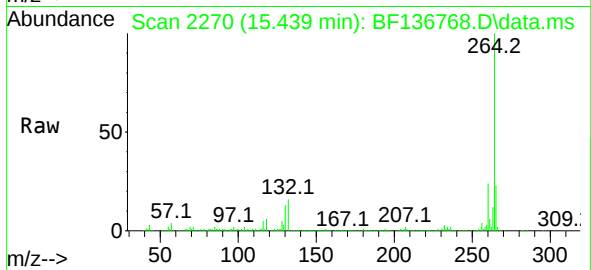
Acq: 27 Dec 2023 20:28

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01



Tgt Ion:264 Resp: 168881

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 22.8 17.0 25.6

