

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122923\
 Data File : BF136829.D
 Acq On : 29 Dec 2023 15:10
 Operator : CG\JU
 Sample : 05975-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-GWDUP01-122023

Quant Time: Dec 29 15:34:37 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)

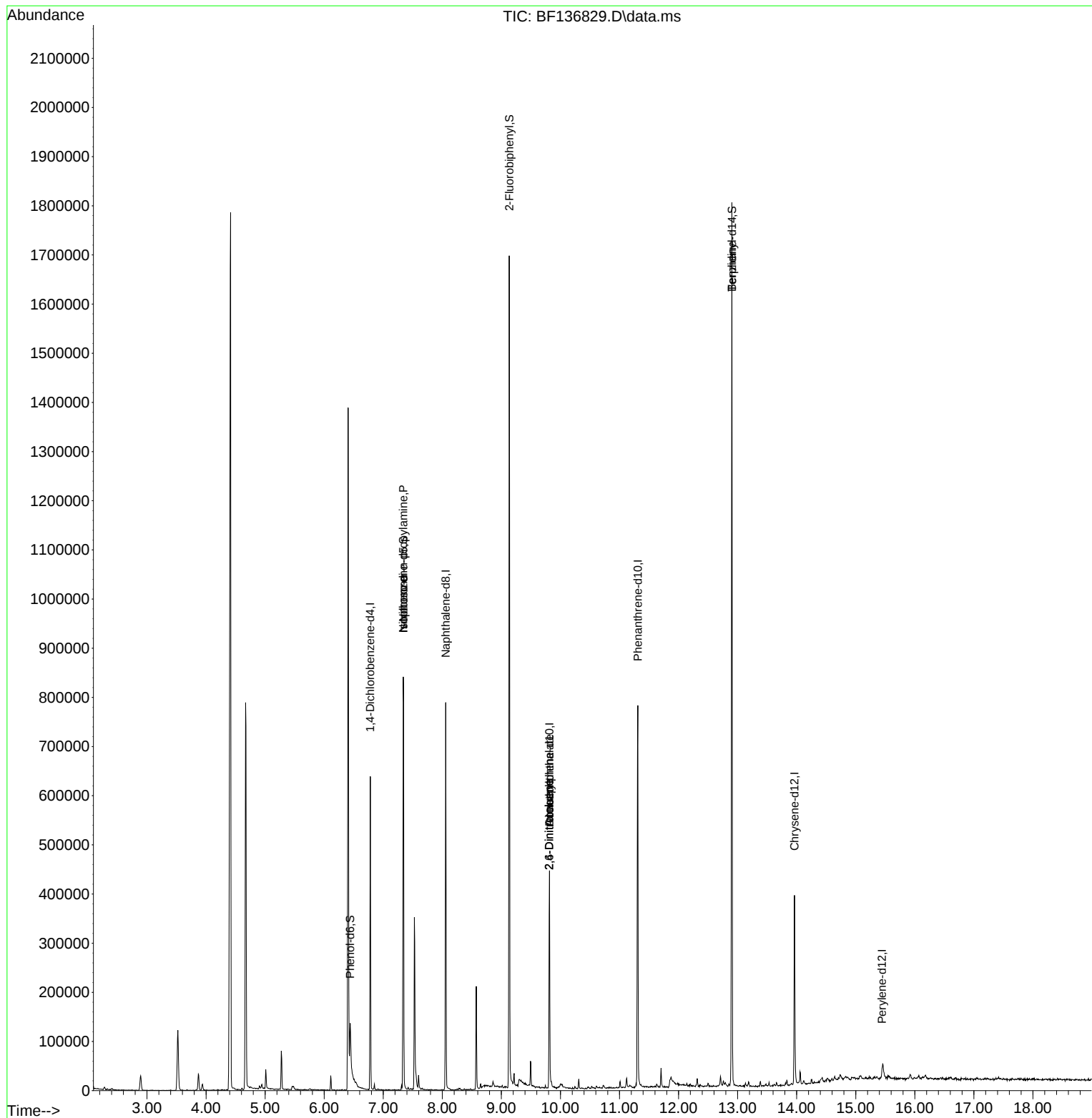
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	85408	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	318626	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	73857	20.000	ng	#-0.01
64) Phenanthrene-d10	11.310	188	280412	20.000	ng	0.00
76) Chrysene-d12	13.963	240	99318	20.000	ng	0.00
86) Perylene-d12	15.445	264	3052	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	4124	0.753	ng	0.03
7) Phenol-d6	6.439	99	36845	5.195	ng	0.00
23) Nitrobenzene-d5	7.339	82	276727	44.442	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	1166	1.340	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	515089	93.801	ng	-0.02
79) Terphenyl-d14	12.904	244	541178	76.147	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.339	70	36372	8.459	ng	# 77
25) Isophorone	7.339	82	276725	24.424	ng	# 65
50) Dimethylphthalate	9.816	163	29665	5.499	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	9399	7.677	ng	# 32
57) 2,4-Dinitrotoluene	9.810	165	9399	5.913	ng	# 23
77) Benzidine	12.904	184	6914	2.361	ng	# 91

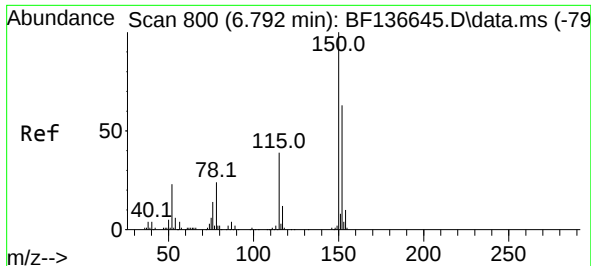
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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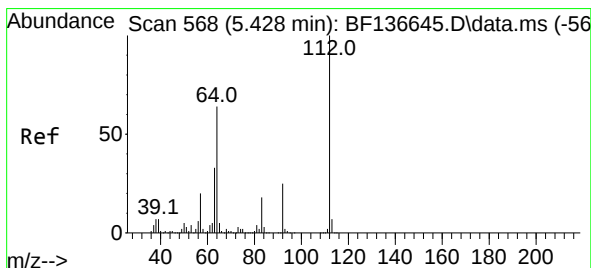
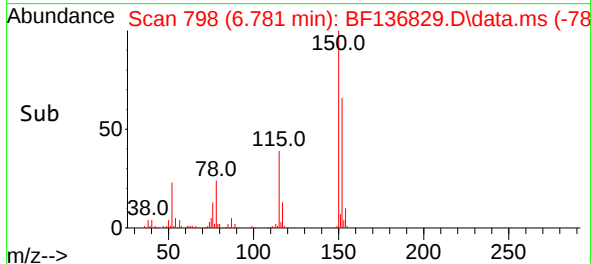
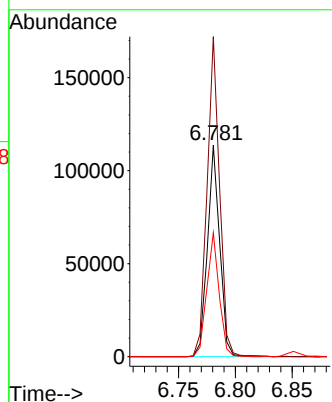
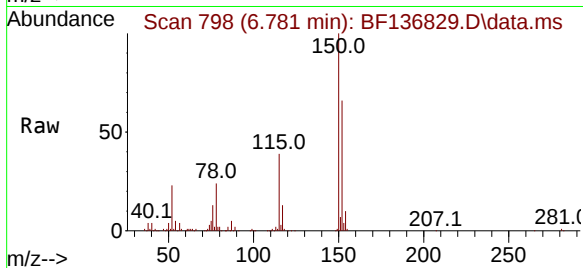




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF136829.D
 Acq: 29 Dec 2023 15:10

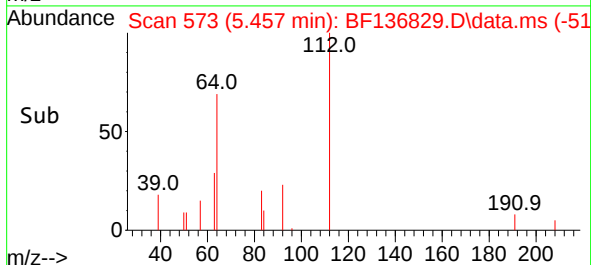
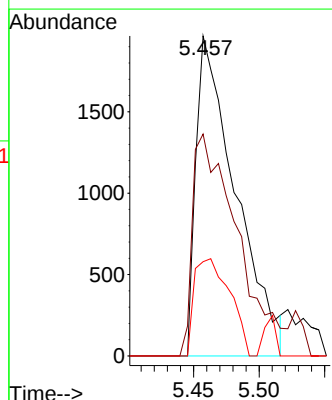
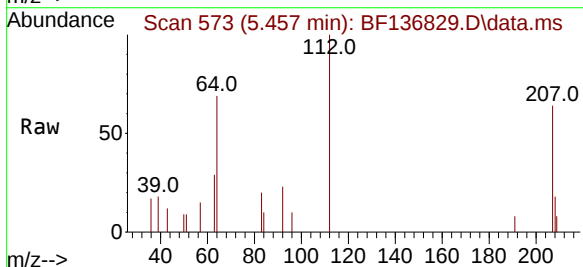
Instrument :
 BNA_F
 ClientSampleId :
 RT-GWDUP01-122023

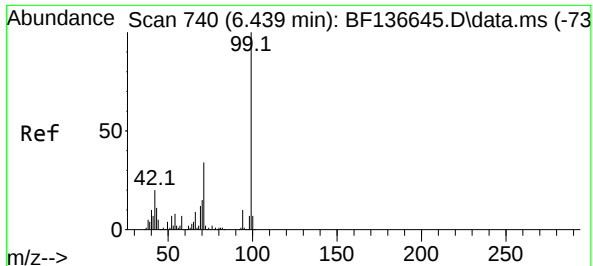
Tgt Ion:152 Resp: 85408
 Ion Ratio Lower Upper
 152 100
 150 151.3 127.0 190.6
 115 58.5 49.0 73.4



#5
 2-Fluorophenol
 Concen: 0.753 ng
 RT: 5.457 min Scan# 573
 Delta R.T. 0.029 min
 Lab File: BF136829.D
 Acq: 29 Dec 2023 15:10

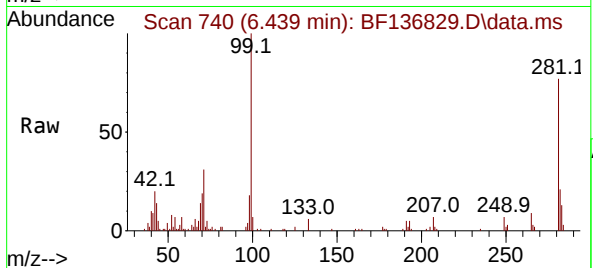
Tgt Ion:112 Resp: 4124
 Ion Ratio Lower Upper
 112 100
 64 69.3 51.1 76.7
 63 29.5 26.1 39.1



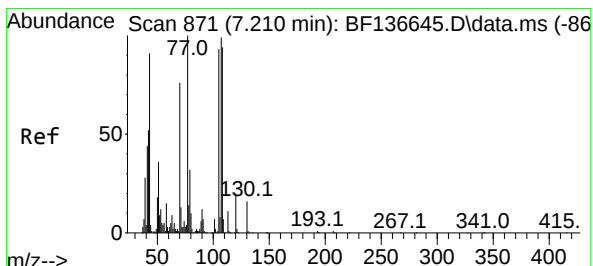
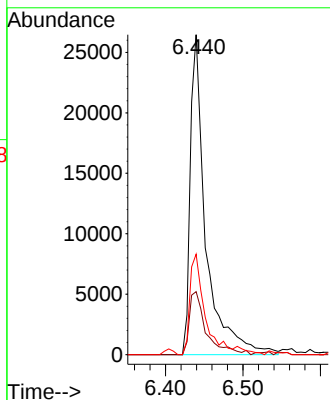
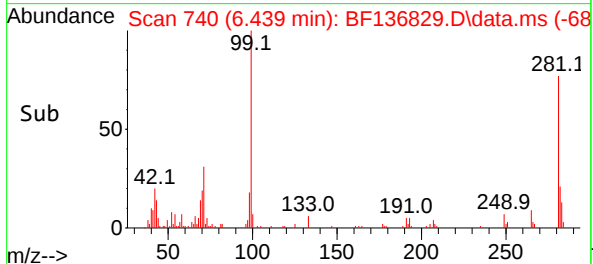


#7
Phenol-d6
Concen: 5.195 ng
RT: 6.439 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10

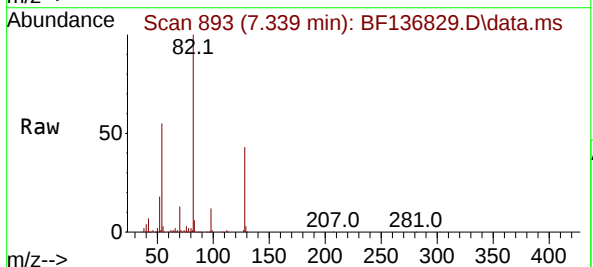
Instrument :
BNA_F
ClientSampleId :
RT-GWDUP01-122023



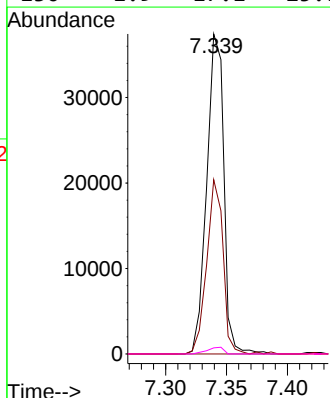
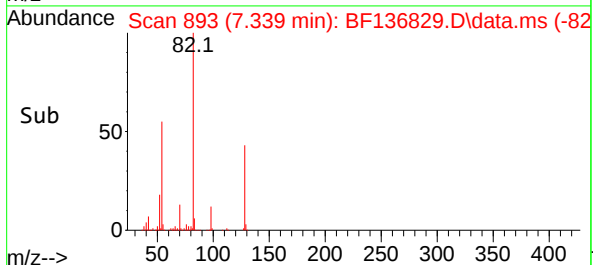
Tgt Ion: 99 Resp: 36845
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 31.4 27.4 41.2

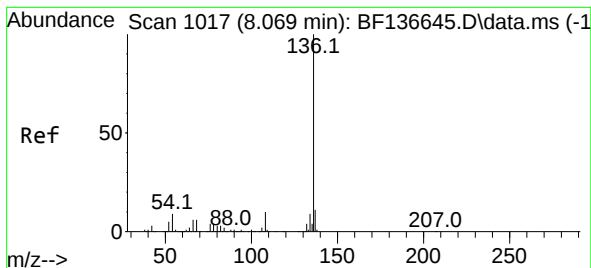


#19
n-Nitroso-di-n-propylamine
Concen: 8.459 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10



Tgt Ion: 70 Resp: 36372
Ion Ratio Lower Upper
70 100
42 54.5 54.2 81.4
101 0.0 7.6 11.4#
130 1.9 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF136829.D

Acq: 29 Dec 2023 15:10

Instrument :

BNA_F

ClientSampleId :

RT-GWDUP01-122023

Tgt Ion:136 Resp: 318626

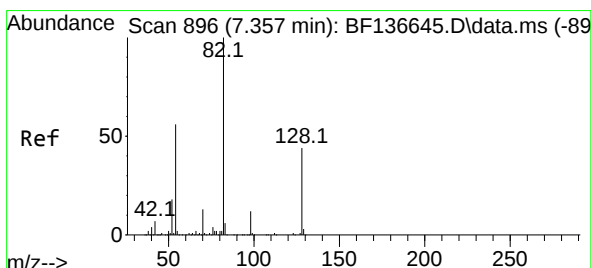
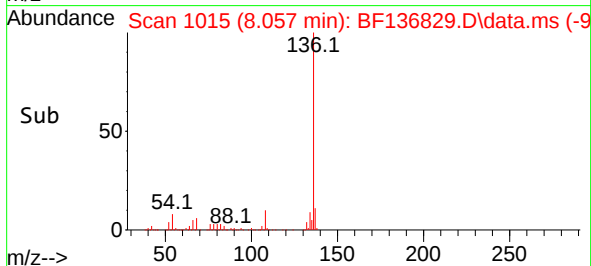
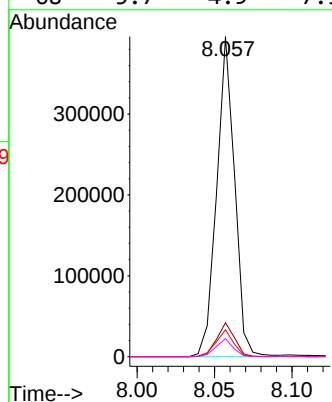
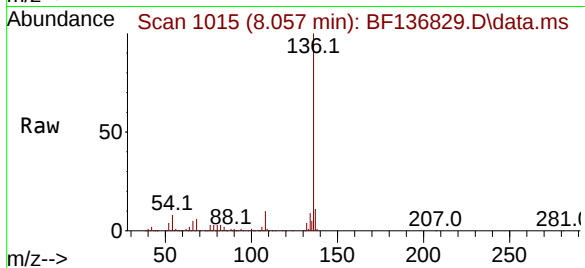
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 8.4 7.2 10.8

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 44.442 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136829.D

Acq: 29 Dec 2023 15:10

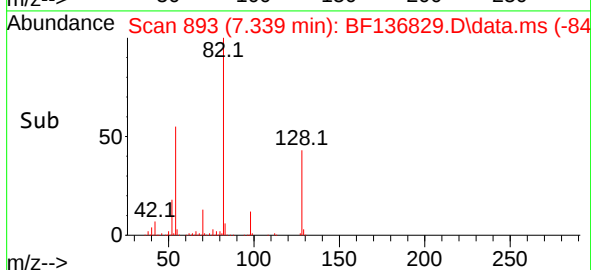
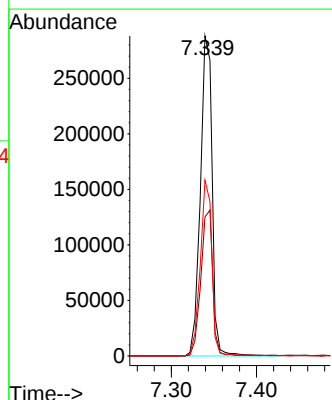
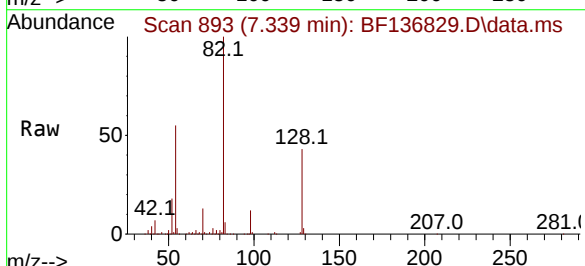
Tgt Ion: 82 Resp: 276727

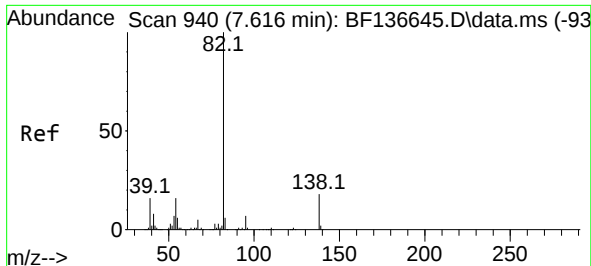
Ion Ratio Lower Upper

82 100

128 43.4 35.3 52.9

54 54.9 44.5 66.7

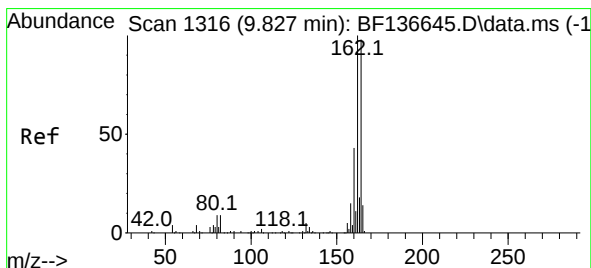
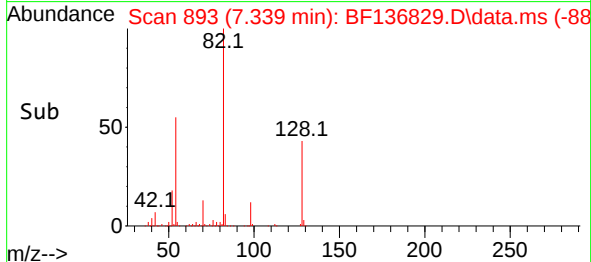
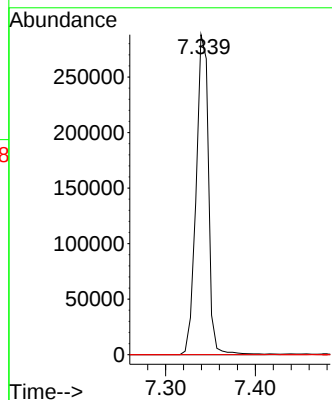
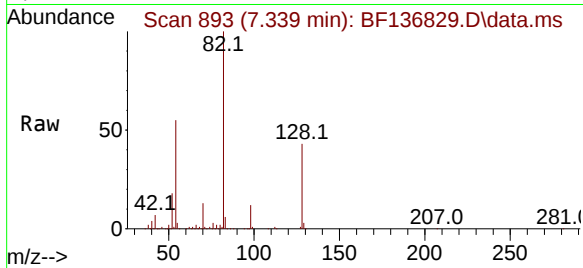




#25
Isophorone
Concen: 24.424 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10

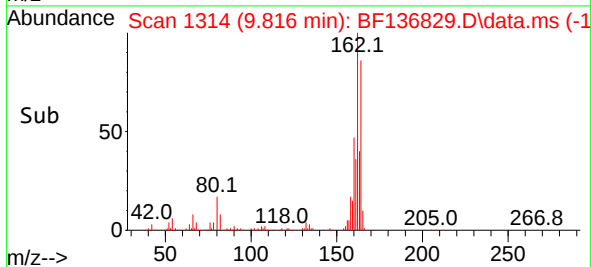
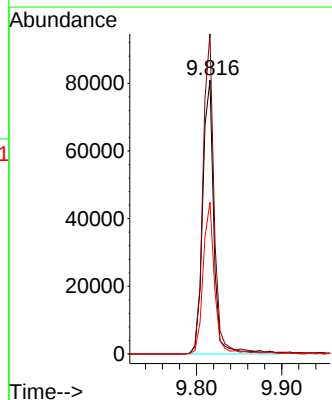
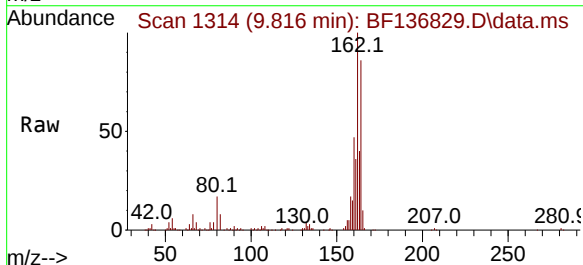
Instrument :
BNA_F
ClientSampleId :
RT-GWDUP01-122023

Tgt Ion: 82 Resp: 276725
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10

Tgt Ion:164 Resp: 73857
Ion Ratio Lower Upper
164 100
162 116.9 81.6 122.4
160 55.4 34.9 52.3#





#42

2,4,6-Tribromophenol

Concen: 1.340 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136829.D

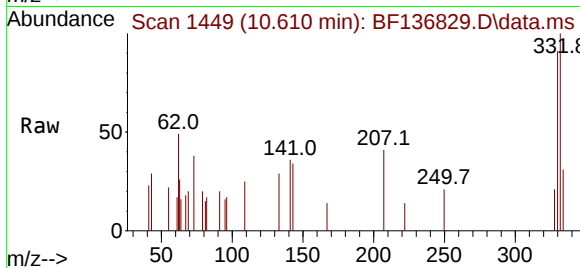
Acq: 29 Dec 2023 15:10

Instrument :

BNA_F

ClientSampleId :

RT-GWDUP01-122023



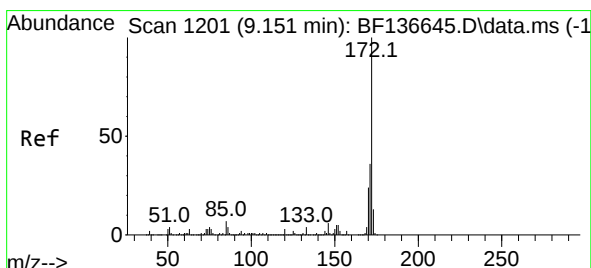
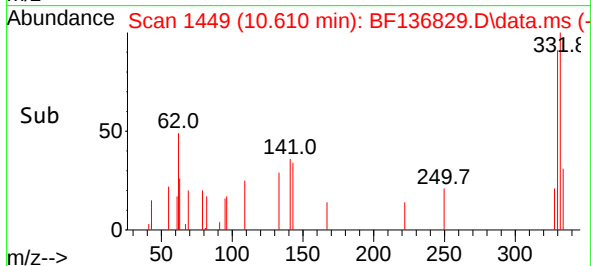
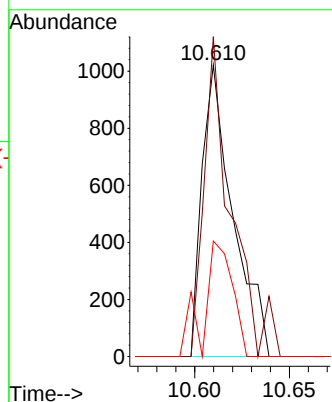
Tgt Ion:330 Resp: 1166

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.0

141 36.4 23.4 35.2#



#45

2-Fluorobiphenyl

Concen: 93.801 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136829.D

Acq: 29 Dec 2023 15:10

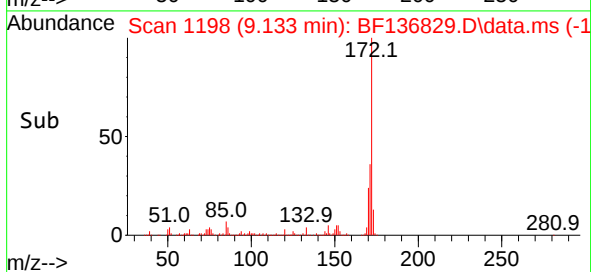
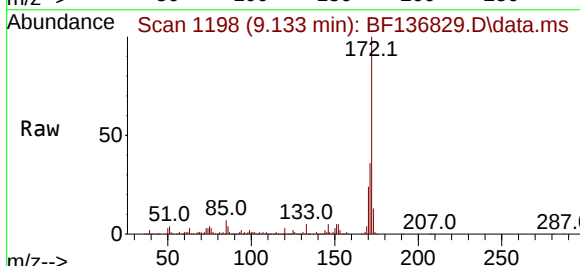
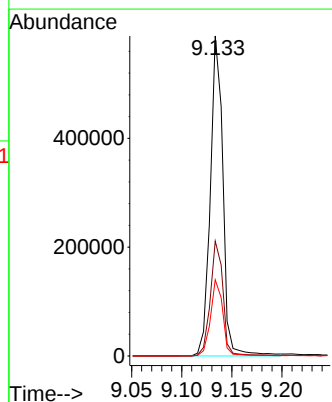
Tgt Ion:172 Resp: 515089

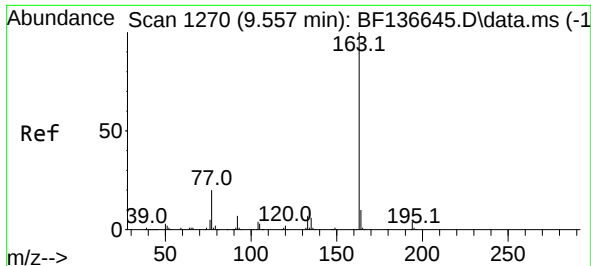
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 23.8 19.0 28.4

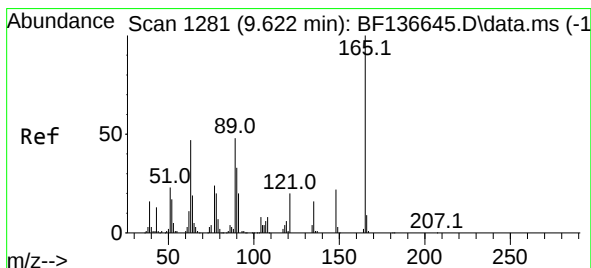
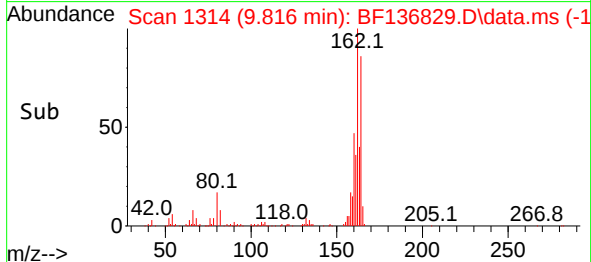
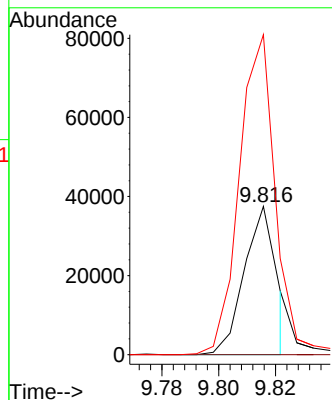
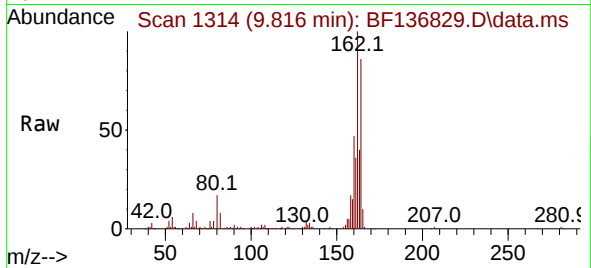




#50
Dimethylphthalate
Concen: 5.499 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10

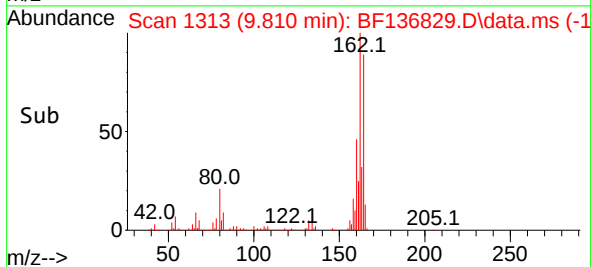
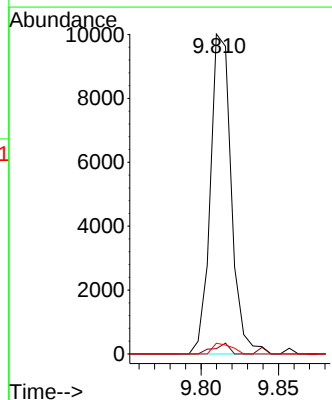
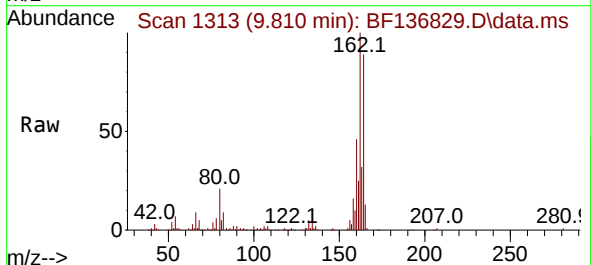
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RT-GWDUP01-122023

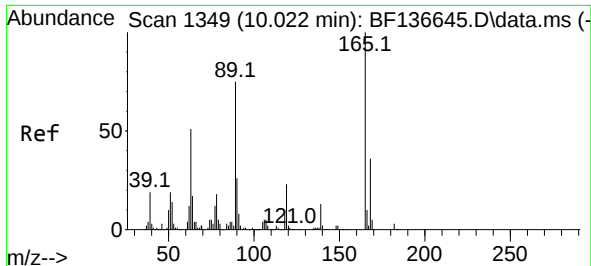
Tgt Ion:163 Resp: 29665
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 215.8 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.677 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.188 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10

Tgt Ion:165 Resp: 9399
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 3.3 38.8 58.2#

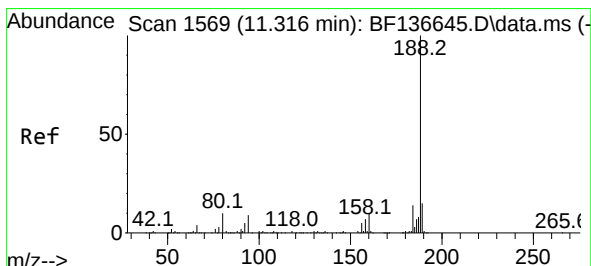
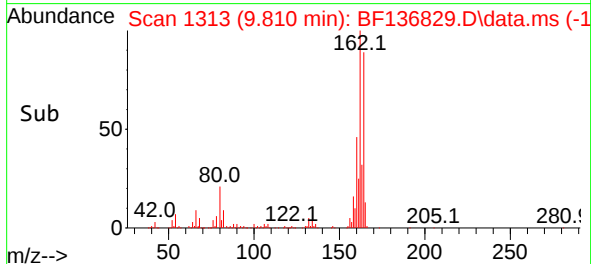
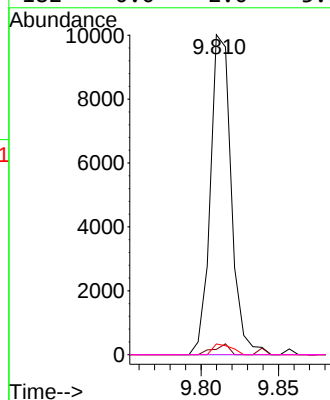
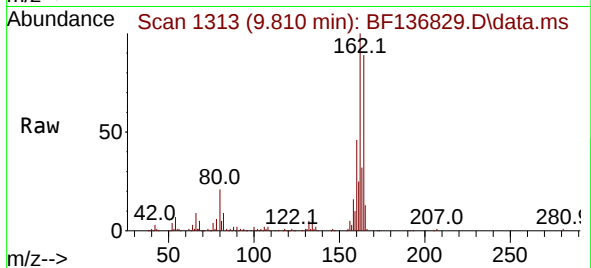




#57
 2,4-Dinitrotoluene
 Concen: 5.913 ng
 RT: 9.810 min Scan# 11
 Delta R.T. -0.212 min
 Lab File: BF136829.D
 Acq: 29 Dec 2023 15:10

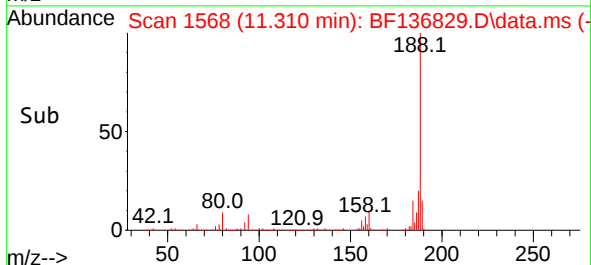
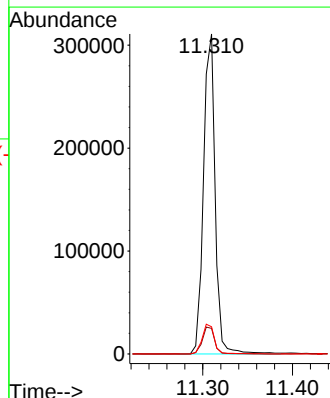
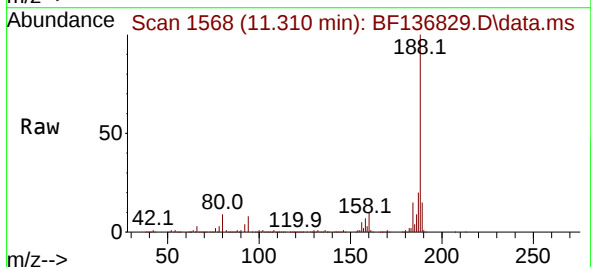
Instrument :
 BNA_F
 ClientSampleId :
 RT-GWDUP01-122023

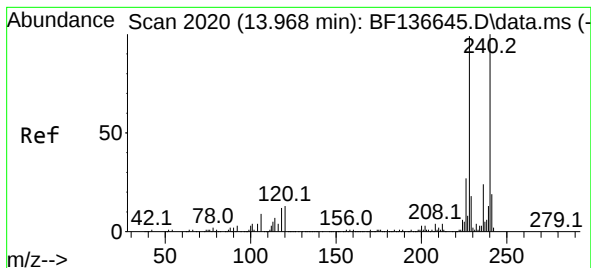
Tgt Ion:165 Resp: 9399
 Ion Ratio Lower Upper
 165 100
 63 1.6 41.0 61.6#
 89 3.3 59.9 89.9#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.310 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF136829.D
 Acq: 29 Dec 2023 15:10

Tgt Ion:188 Resp: 280412
 Ion Ratio Lower Upper
 188 100
 94 8.0 7.5 11.3
 80 8.5 8.1 12.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136829.D

Acq: 29 Dec 2023 15:10

Instrument :

BNA_F

ClientSampleId :

RT-GWDUP01-122023

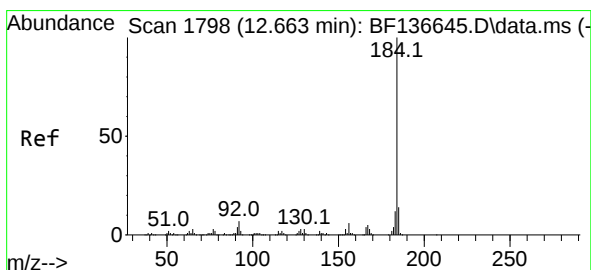
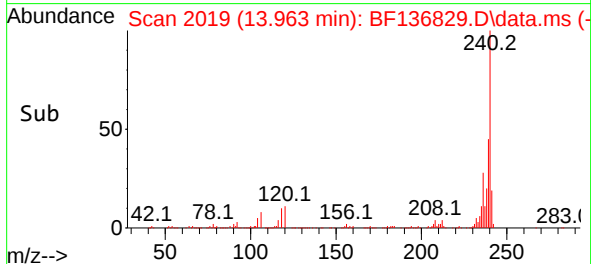
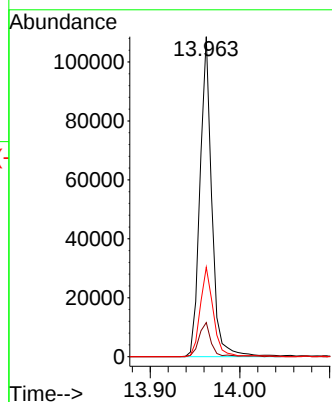
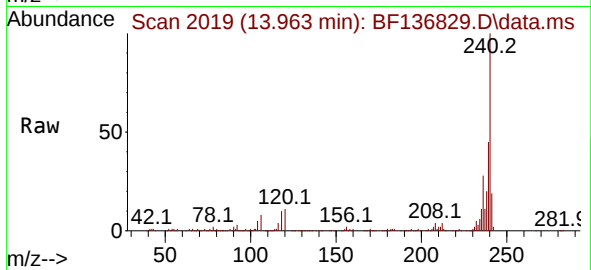
Tgt Ion:240 Resp: 99318

Ion Ratio Lower Upper

240 100

120 10.7 10.3 15.5

236 27.9 19.4 29.2



#77

Benzidine

Concen: 2.361 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF136829.D

Acq: 29 Dec 2023 15:10

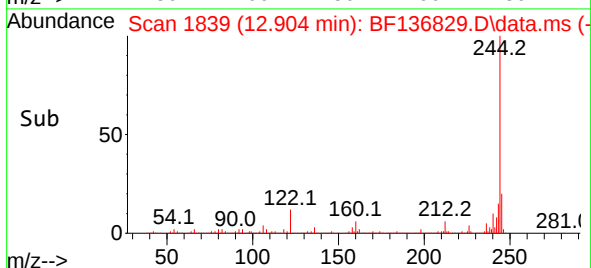
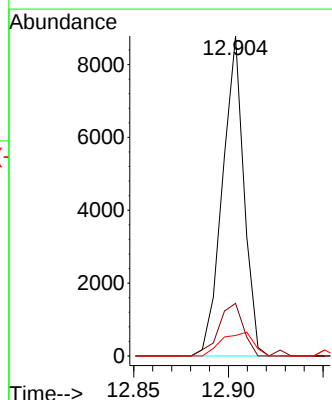
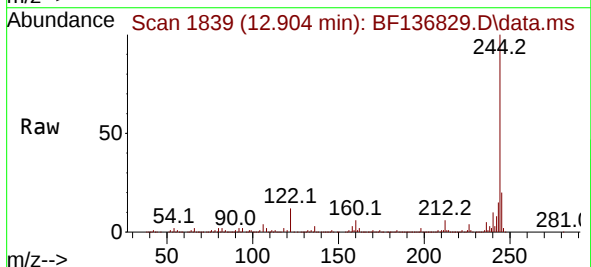
Tgt Ion:184 Resp: 6914

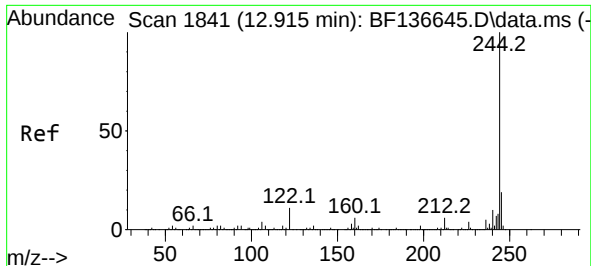
Ion Ratio Lower Upper

184 100

185 16.4 11.2 16.8

183 6.4 9.3 13.9#

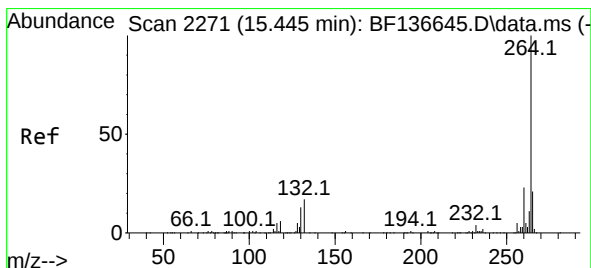
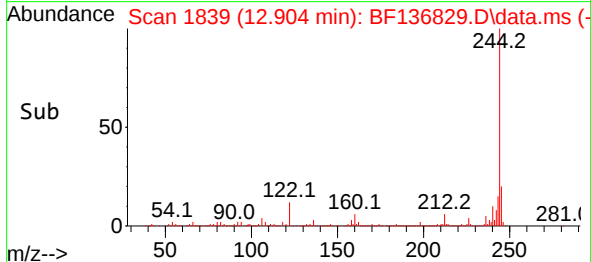
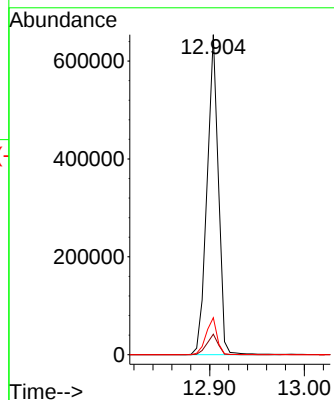
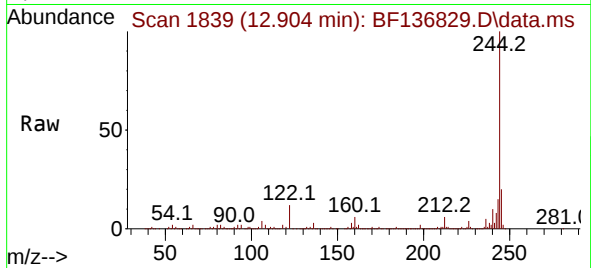




#79
Terphenyl-d14
Concen: 76.147 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10

Instrument :
BNA_F
ClientSampleId :
RT-GWDUP01-122023

Tgt Ion:244 Resp: 541178
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 11.6 9.0 13.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136829.D
Acq: 29 Dec 2023 15:10

Tgt Ion:264 Resp: 3052
Ion Ratio Lower Upper
264 100
260 75.8 18.3 27.5#
265 17.8 17.0 25.6

