

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133436.D
 Acq On : 18 May 2023 12:28
 Operator : CG\JU
 Sample : 02812-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B3-10-20

Quant Time: May 18 13:25:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

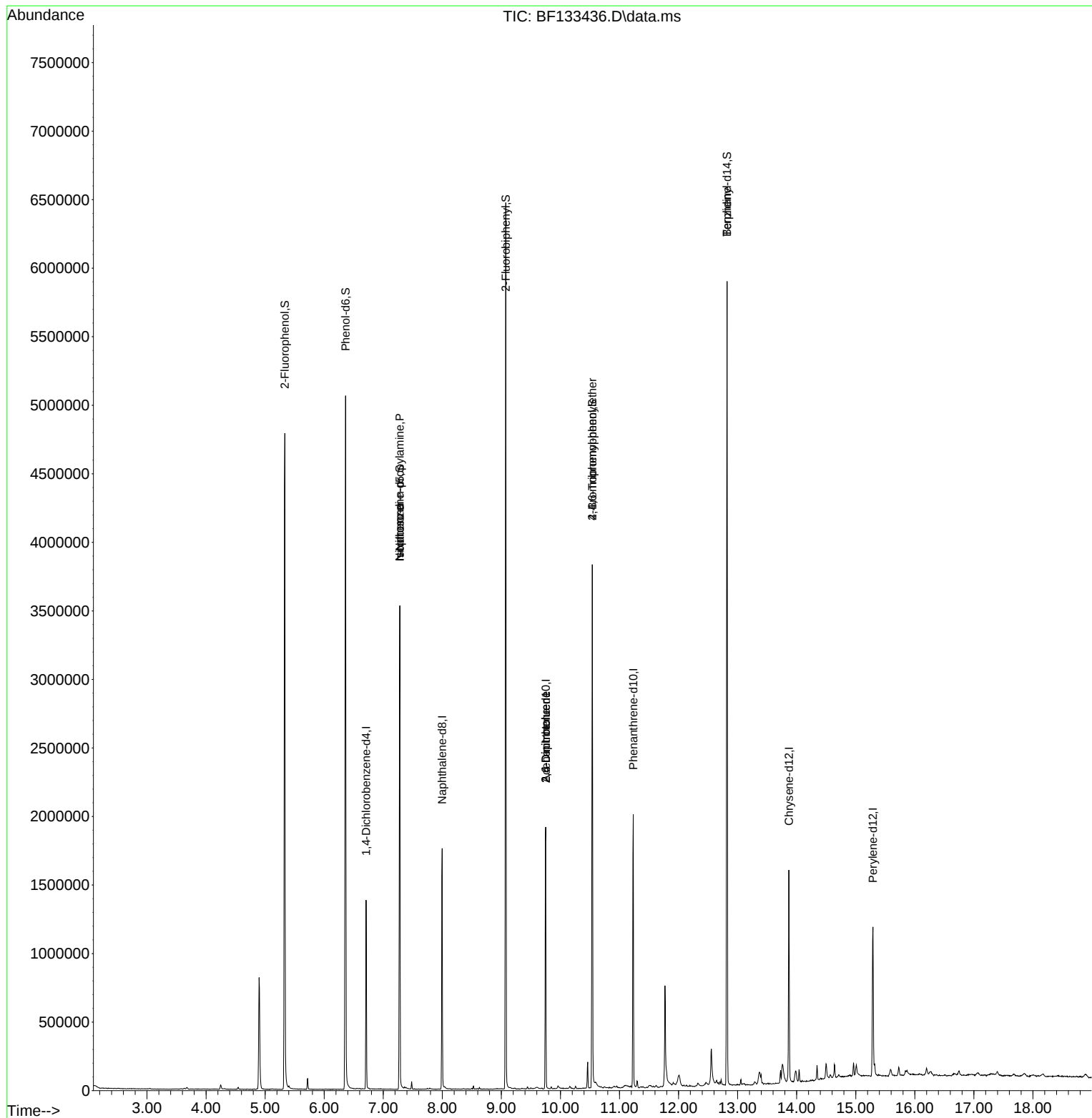
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	187538	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	771870	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	394033	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	715209	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	472685	20.000	ng	-0.02
86) Perylene-d12	15.292	264	479599	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1509164	121.562	ng	0.00
7) Phenol-d6	6.363	99	1805568	117.174	ng	0.00
23) Nitrobenzene-d5	7.281	82	1082470	75.697	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	480406	121.230	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1879419	79.797	ng	-0.01
79) Terphenyl-d14	12.821	244	2100646	76.645	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.269	77	342	Below Cal	#	84
19) n-Nitroso-di-n-propyla...	7.281	70	141832	14.785	ng	# 75
25) Isophorone	7.281	82	1082514	39.870	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	50555	8.175	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	50555	6.411	ng	# 24
67) 4-Bromophenyl-phenylether	10.539	248	29244	3.770	ng	# 1
77) Benzidine	12.821	184	25138	3.145	ng	# 93

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

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WG-0516-B3-10-20

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration

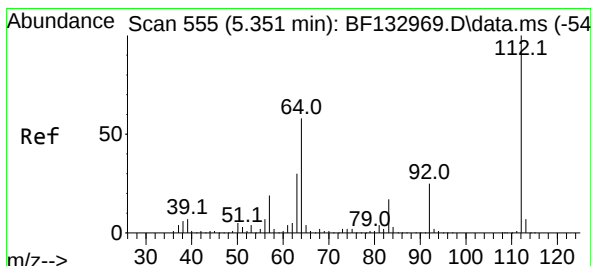
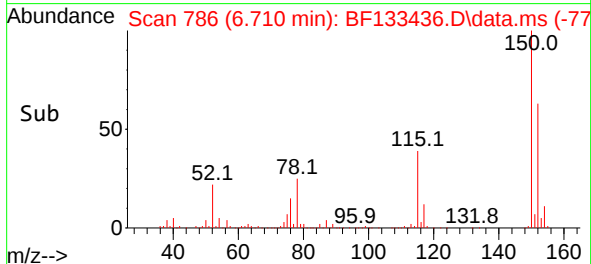
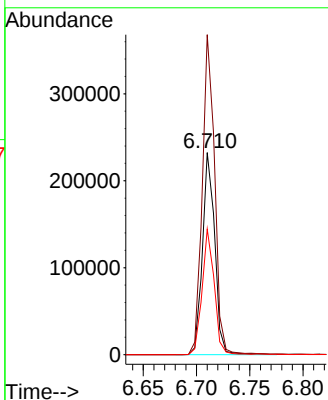
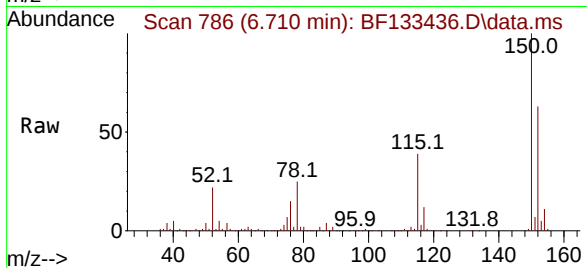




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

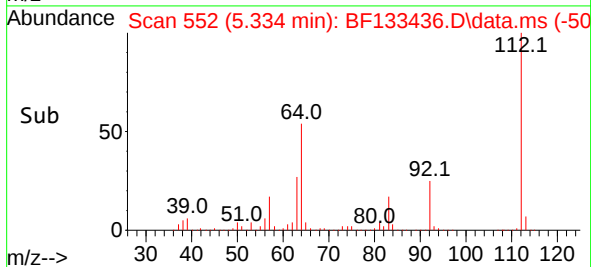
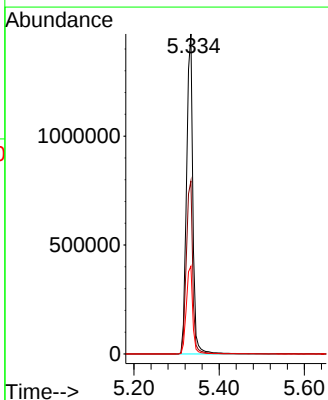
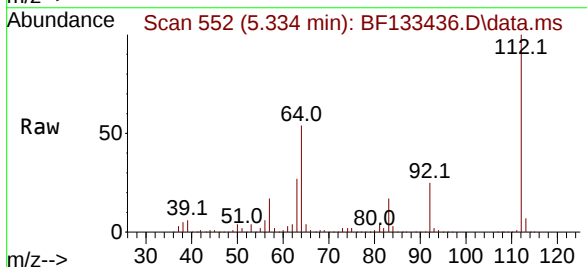
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-10-20

Tgt Ion:152 Resp: 187538
Ion Ratio Lower Upper
152 100
150 158.4 124.8 187.2
115 62.1 49.9 74.9



#5
2-Fluorophenol
Concen: 121.562 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

Tgt Ion:112 Resp: 1509164
Ion Ratio Lower Upper
112 100
64 54.1 46.8 70.2
63 27.4 23.8 35.8

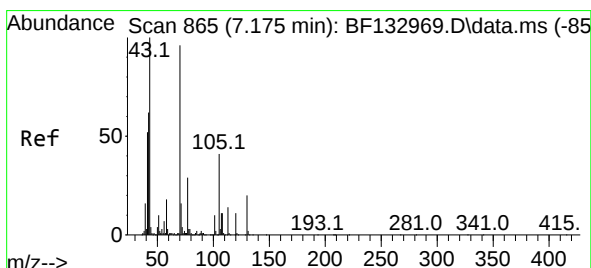
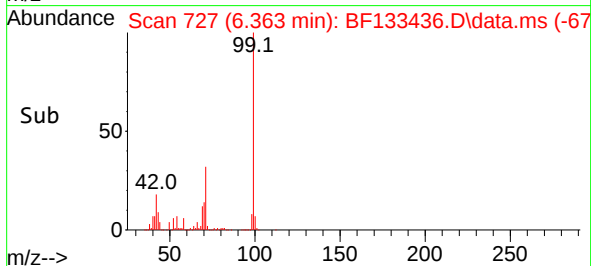
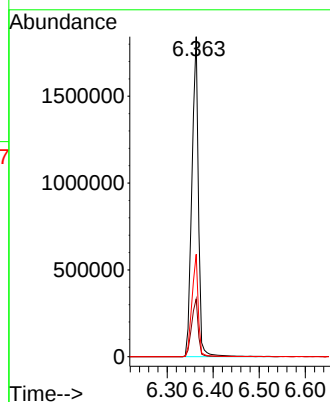
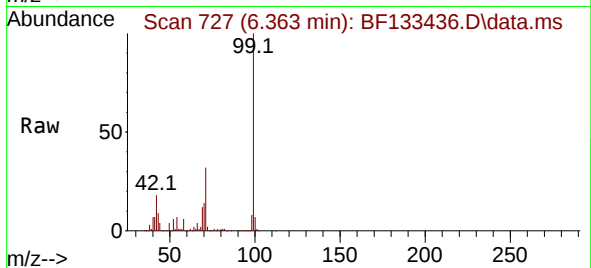




#7
Phenol-d6
Concen: 117.174 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

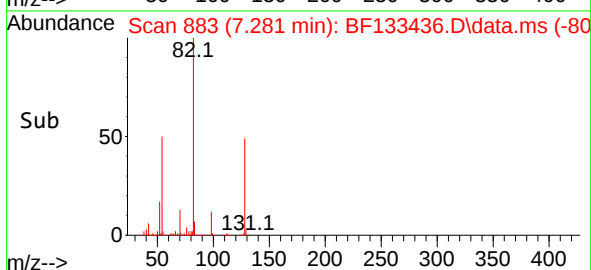
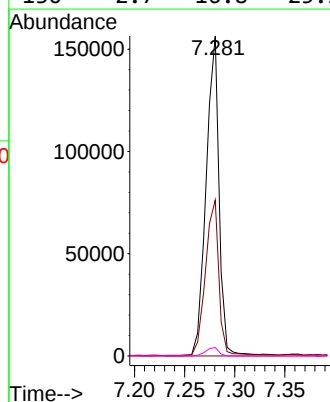
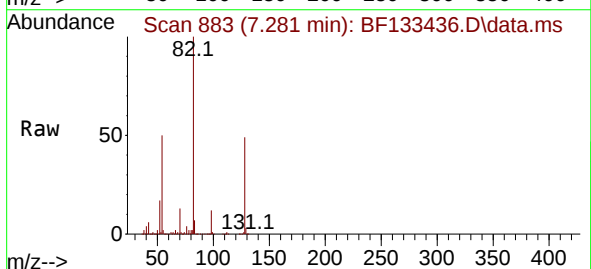
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-10-20

Tgt Ion: 99 Resp: 1805568
Ion Ratio Lower Upper
99 100
42 18.0 16.3 24.5
71 32.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.785 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

Tgt Ion: 70 Resp: 141832
Ion Ratio Lower Upper
70 100
42 48.8 51.8 77.6#
101 0.0 8.0 12.0#
130 2.7 16.8 25.2#

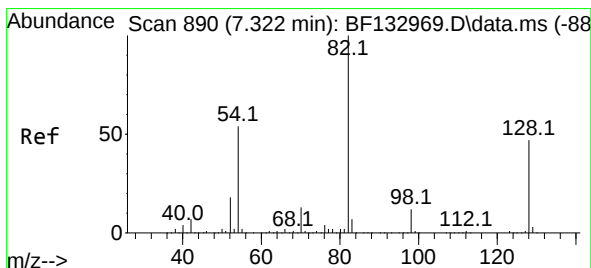
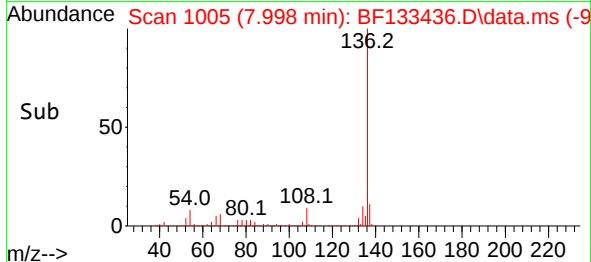
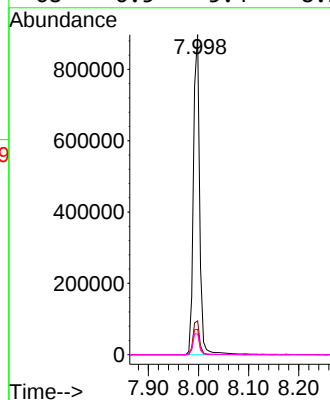
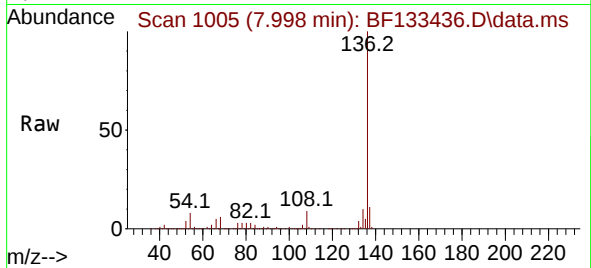




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

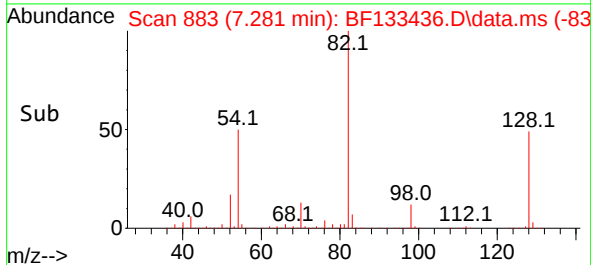
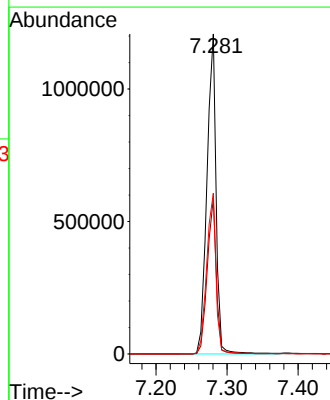
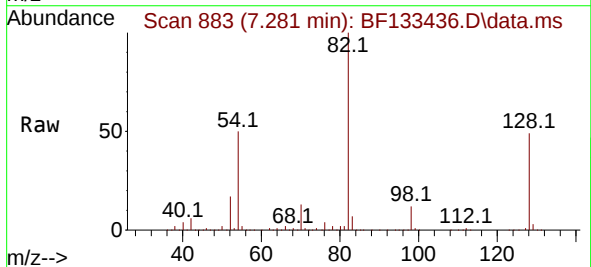
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-10-20

Tgt Ion:136 Resp: 771870
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.9 7.0 10.4
68 6.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 75.697 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

Tgt Ion: 82 Resp: 1082470
Ion Ratio Lower Upper
82 100
128 48.6 37.7 56.5
54 50.2 43.0 64.4

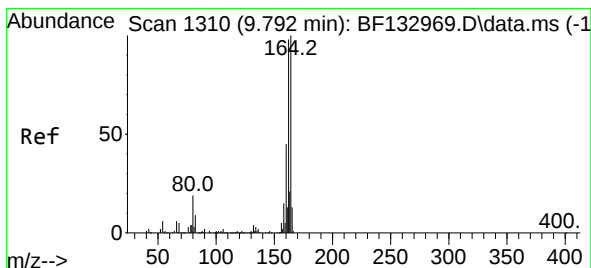
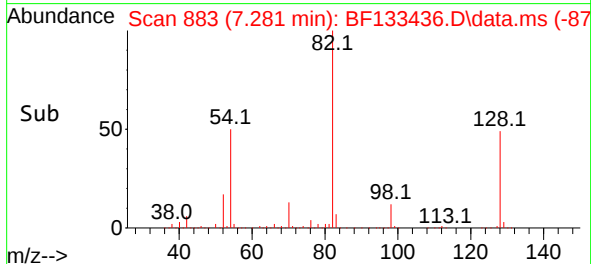
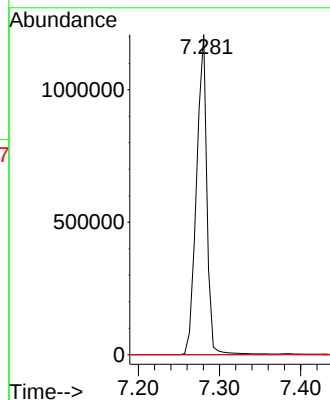
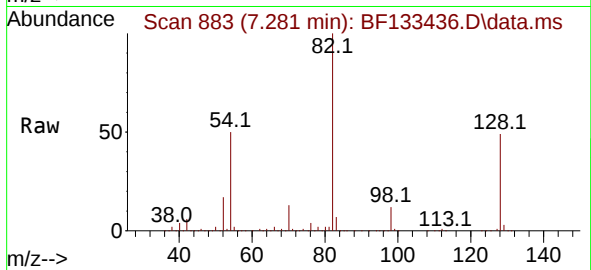




#25
Isophorone
Concen: 39.870 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

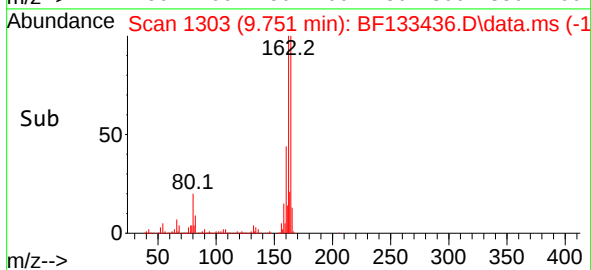
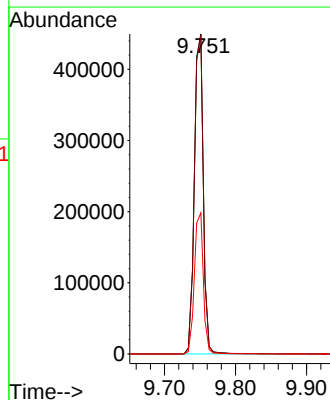
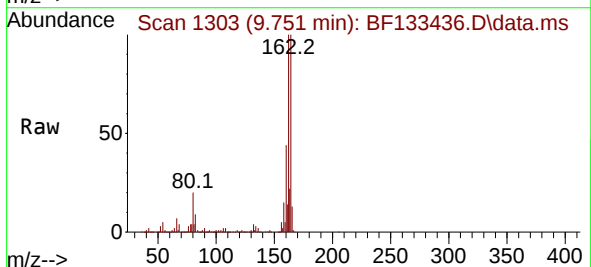
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-10-20

Tgt Ion: 82 Resp: 1082514
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

Tgt Ion:164 Resp: 394033
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 121.230 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133436.D

Acq: 18 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

WG-0516-B3-10-20

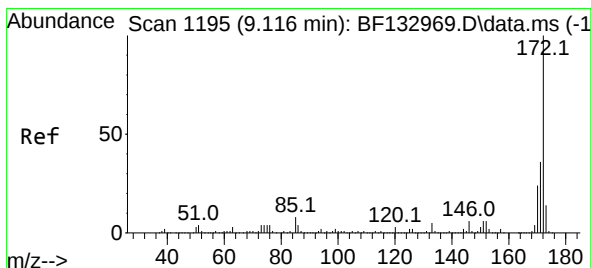
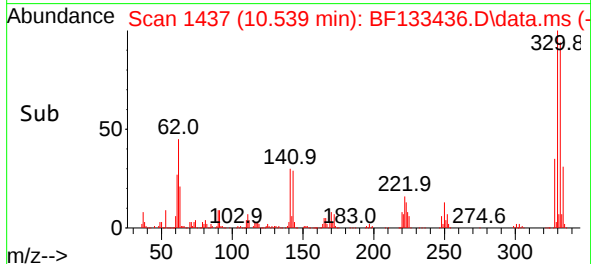
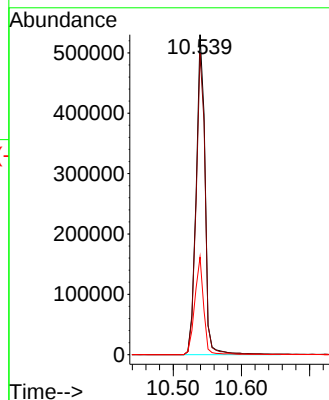
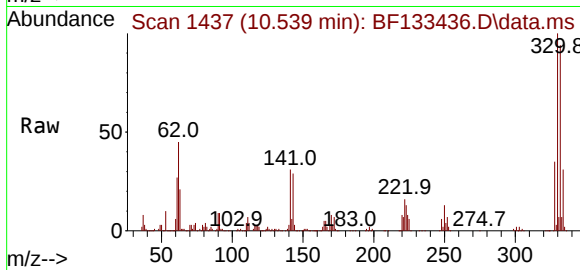
Tgt Ion:330 Resp: 480406

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

141 30.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 79.797 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133436.D

Acq: 18 May 2023 12:28

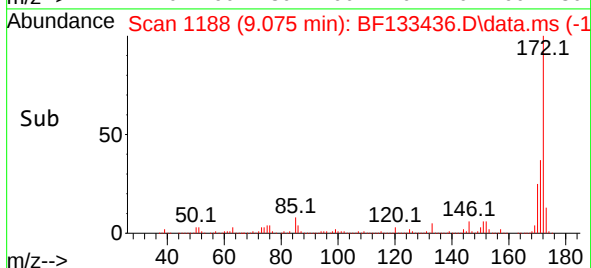
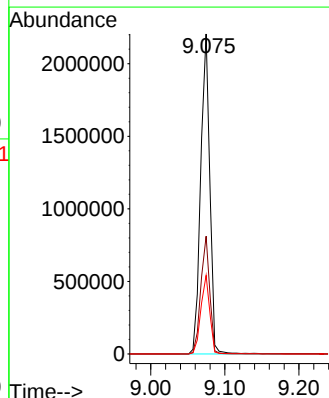
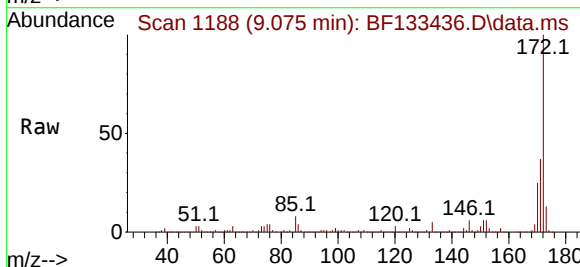
Tgt Ion:172 Resp: 1879419

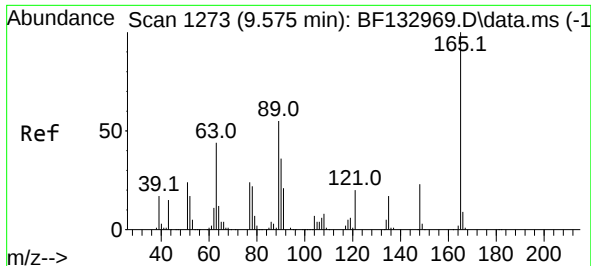
Ion Ratio Lower Upper

172 100

171 36.8 28.8 43.2

170 24.6 19.4 29.2

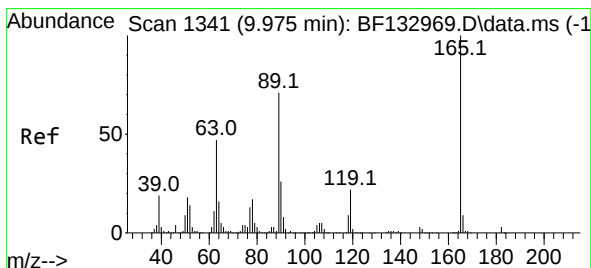
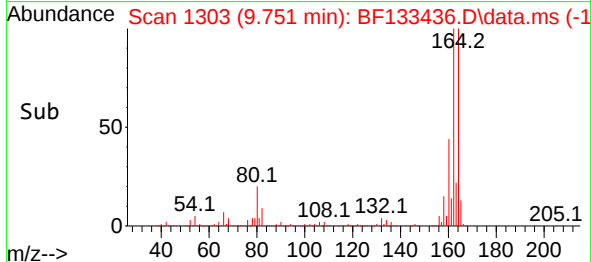
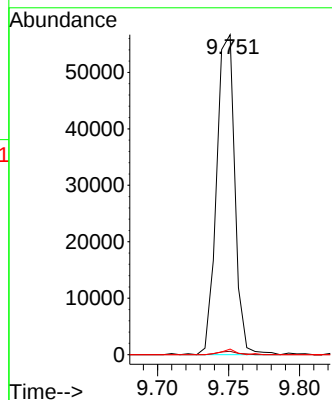
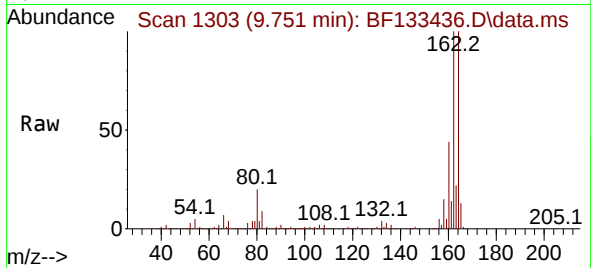




#51
2,6-Dinitrotoluene
Concen: 8.175 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

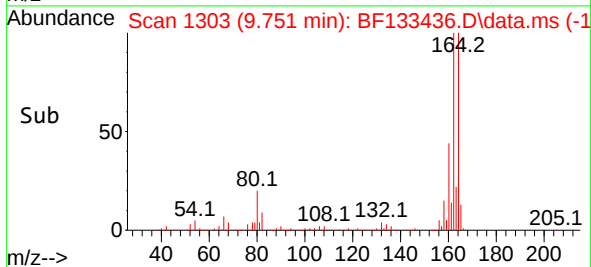
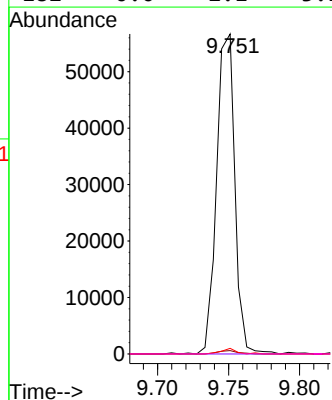
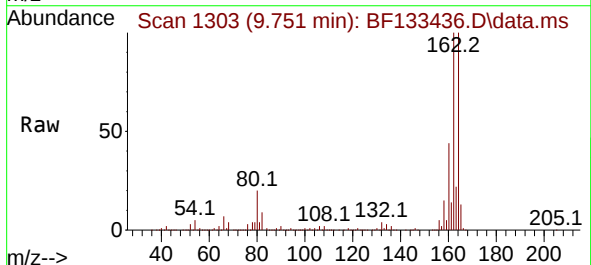
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-10-20

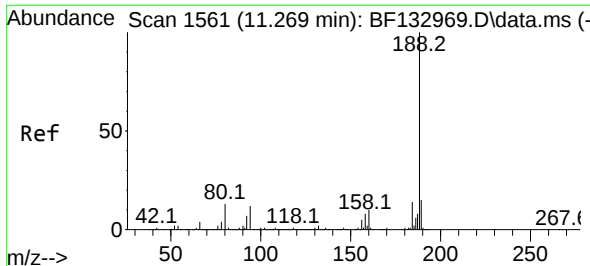
Tgt Ion:165 Resp: 50555
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.8 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.411 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.206 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

Tgt Ion:165 Resp: 50555
Ion Ratio Lower Upper
165 100
63 1.0 37.7 56.5#
89 1.8 57.0 85.4#
182 0.0 2.1 3.1#

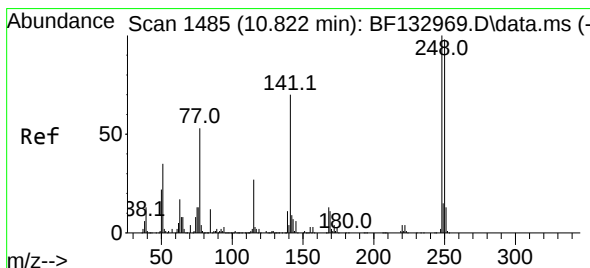
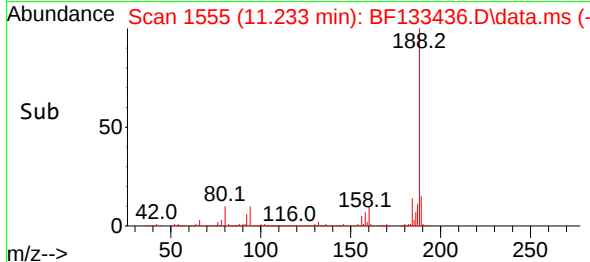
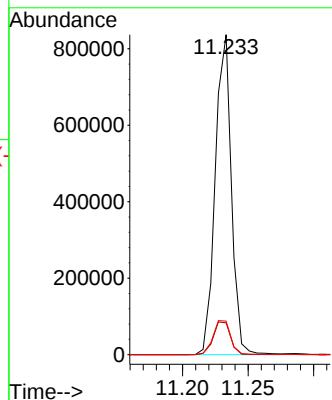
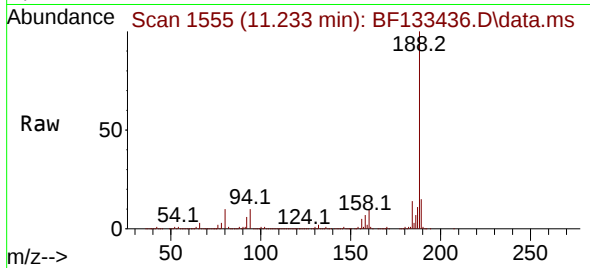




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

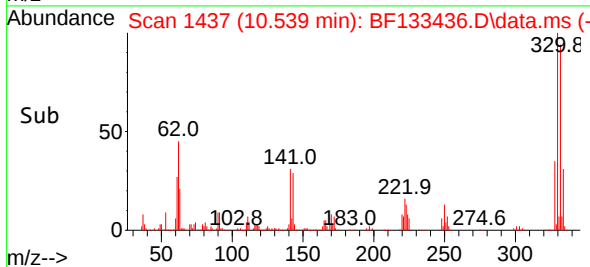
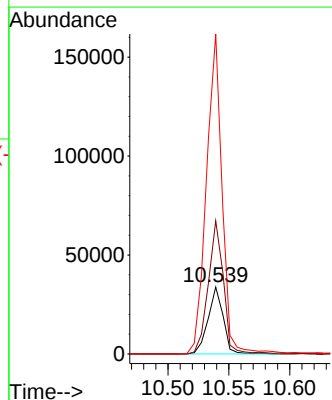
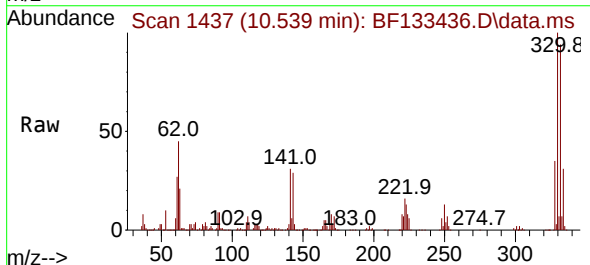
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-10-20

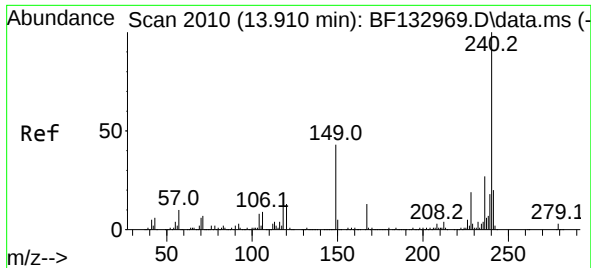
Tgt Ion:188 Resp: 715209
Ion Ratio Lower Upper
188 100
94 10.0 9.7 14.5
80 10.5 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.770 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

Tgt Ion:248 Resp: 29244
Ion Ratio Lower Upper
248 100
250 198.9 78.7 118.1#
141 478.0 56.3 84.5#

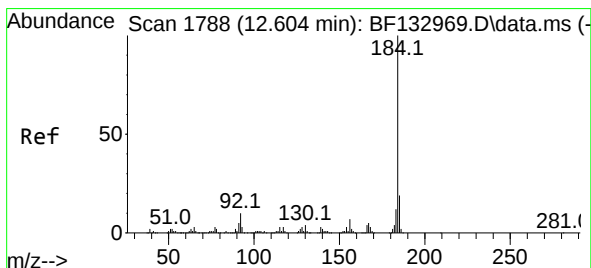
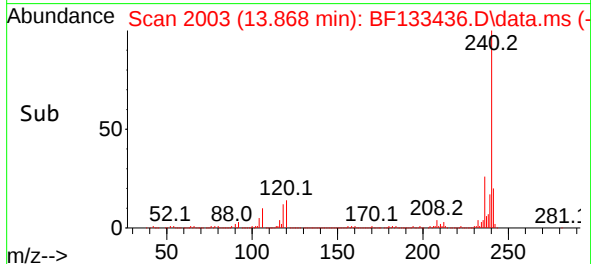
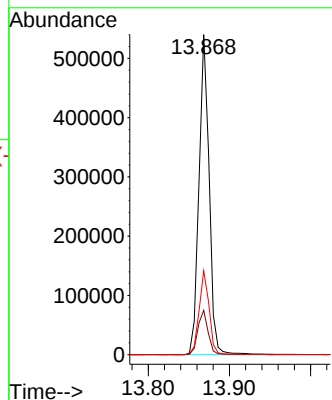
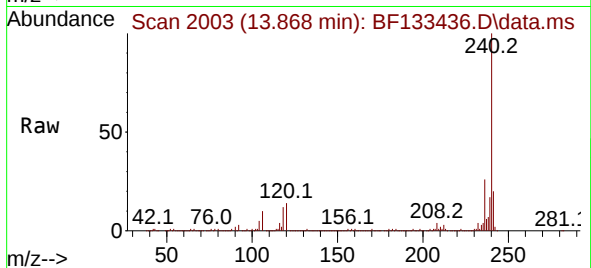




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

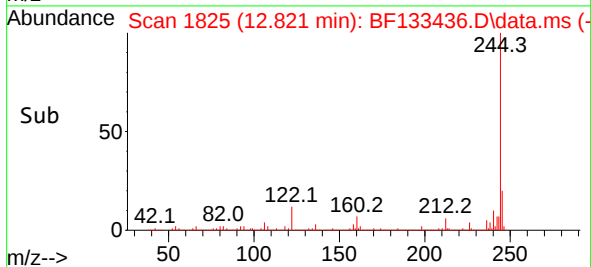
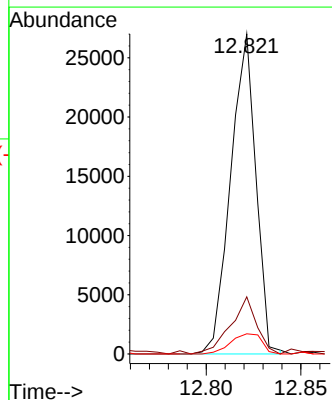
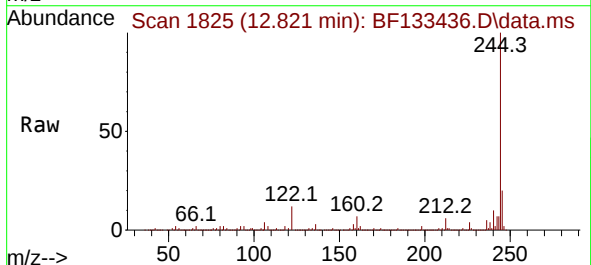
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-10-20

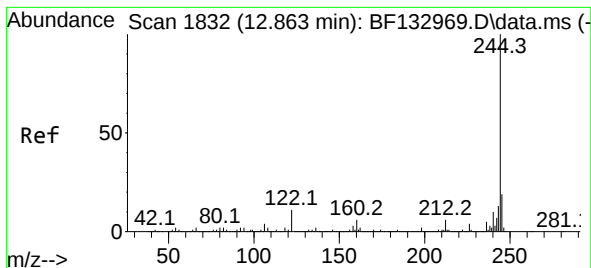
Tgt Ion:240 Resp: 472685
Ion Ratio Lower Upper
240 100
120 13.9 10.5 15.7
236 26.2 21.5 32.3



#77
Benzidine
Concen: 3.145 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.241 min
Lab File: BF133436.D
Acq: 18 May 2023 12:28

Tgt Ion:184 Resp: 25138
Ion Ratio Lower Upper
184 100
185 17.9 15.4 23.2
183 6.3 9.4 14.0#





#79

Terphenyl-d14

Concen: 76.645 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF133436.D

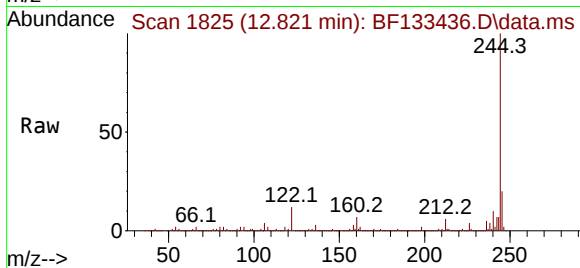
Acq: 18 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

WG-0516-B3-10-20



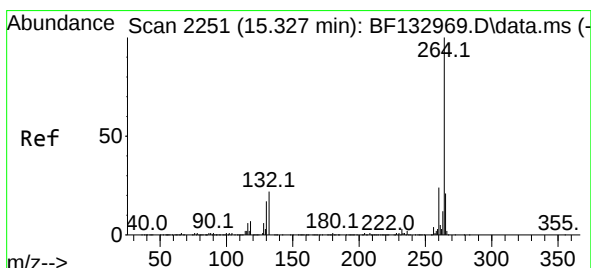
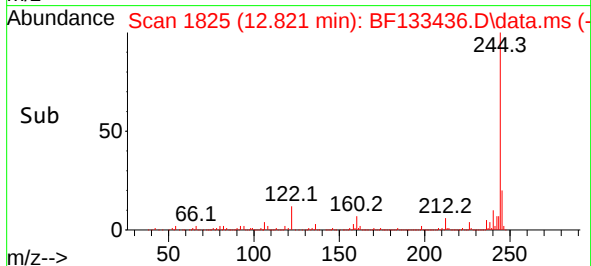
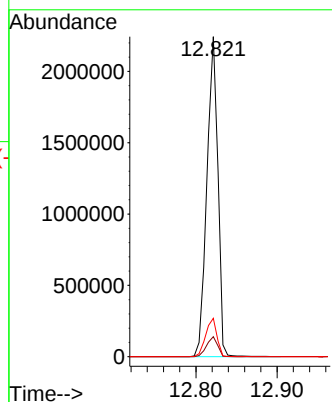
Tgt Ion:244 Resp: 2100646

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 12.0 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BF133436.D

Acq: 18 May 2023 12:28

Tgt Ion:264 Resp: 479599

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 20.8 17.0 25.4

