

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135786.D
 Acq On : 16 Oct 2023 20:20
 Operator : CG\JU
 Sample : 04656-24
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-10022023

Quant Time: Oct 17 01:57:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

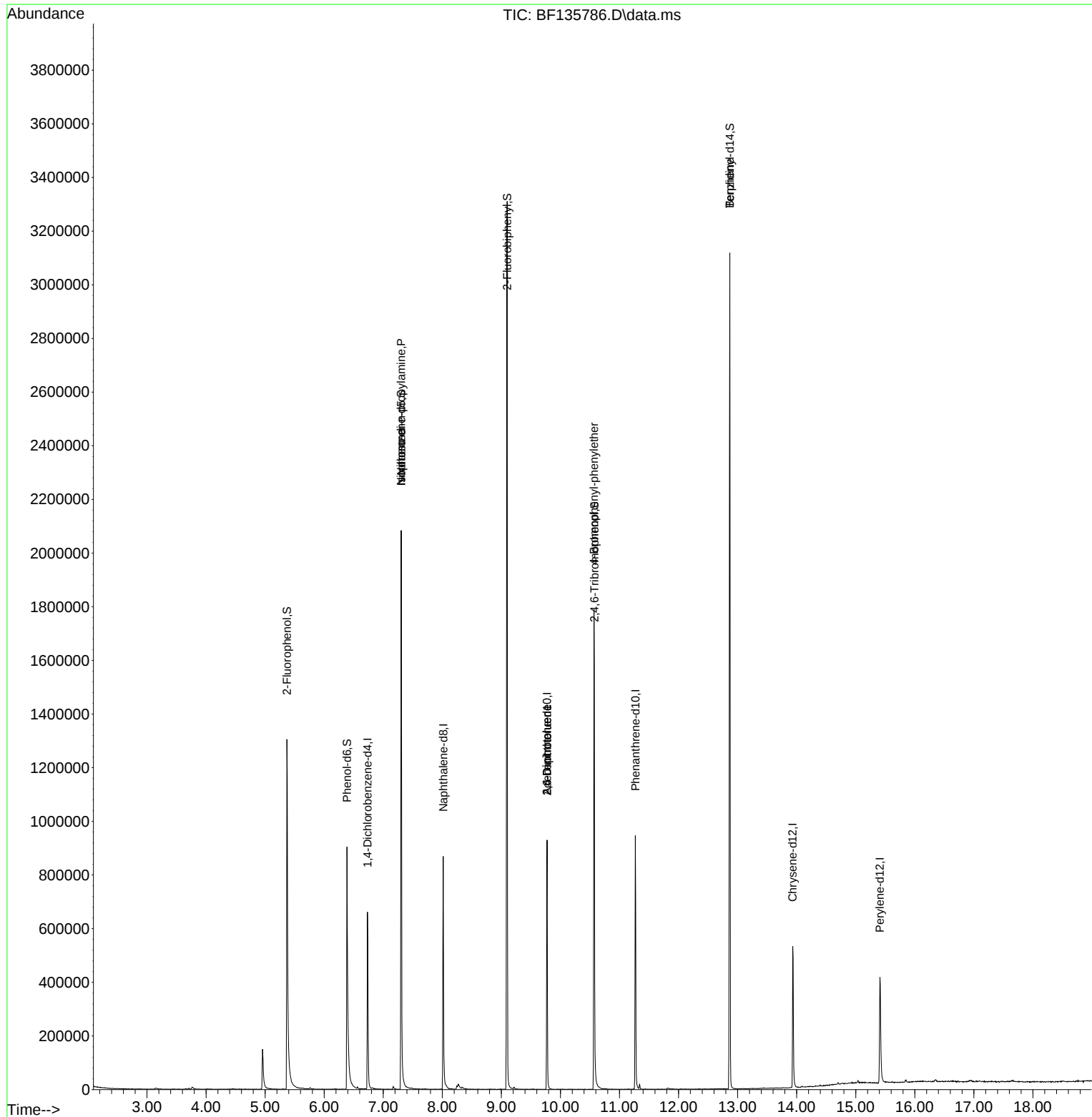
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	100953	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	378703	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	187250	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	360418	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	202296	20.000	ng	-0.02
86) Perylene-d12	15.410	264	218363	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	470544	74.938	ng	0.00
7) Phenol-d6	6.387	99	394393	50.340	ng	-0.01
23) Nitrobenzene-d5	7.304	82	624958	90.763	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	219931	122.401	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1097790	91.664	ng	0.00
79) Terphenyl-d14	12.869	244	1096459	100.375	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	81054	16.732	ng	# 78
25) Isophorone	7.304	82	624954	48.110	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	23146	8.515	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	23146	6.693	ng	# 24
67) 4-Bromophenyl-phenylether	10.569	248	13797	3.813	ng	# 1
77) Benzidine	12.869	184	14053	3.184	ng	# 97

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

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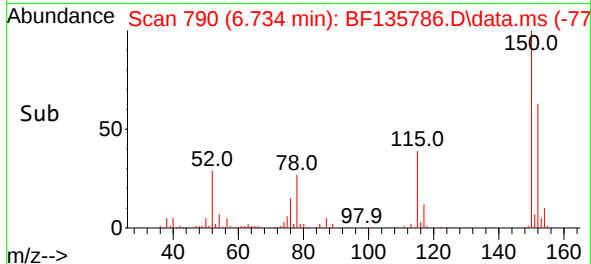
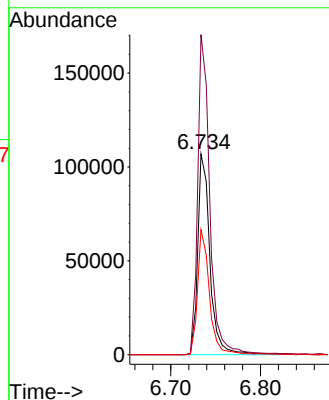
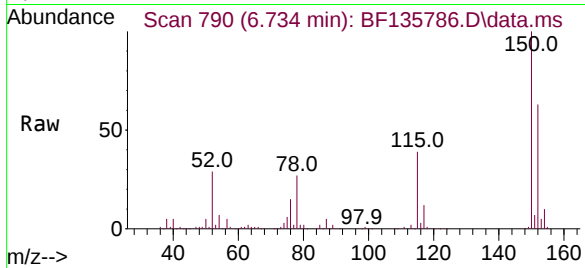




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

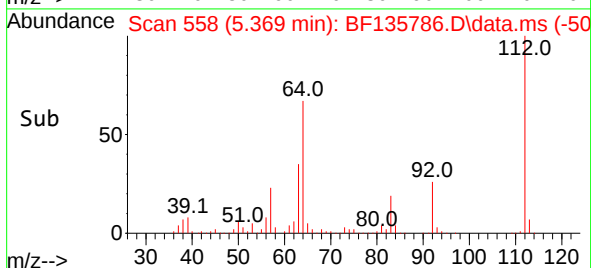
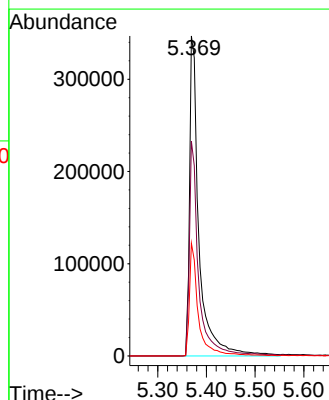
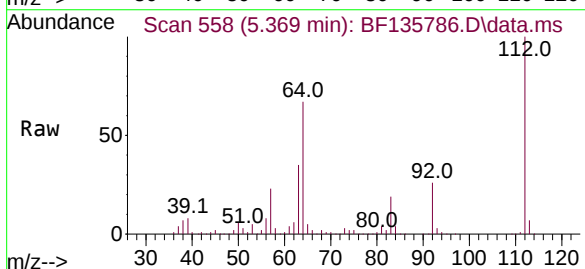
Instrument :
BNA_F
ClientSampleId :
FB-10022023

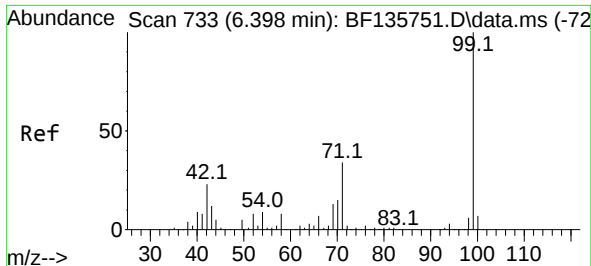
Tgt Ion:152 Resp: 100953
Ion Ratio Lower Upper
152 100
150 159.5 124.5 186.7
115 62.3 49.0 73.4



#5
2-Fluorophenol
Concen: 74.938 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

Tgt Ion:112 Resp: 470544
Ion Ratio Lower Upper
112 100
64 67.1 51.2 76.8
63 35.2 26.1 39.1

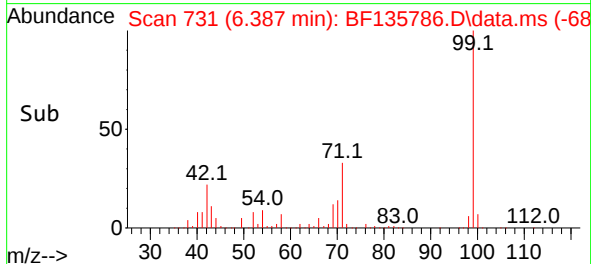
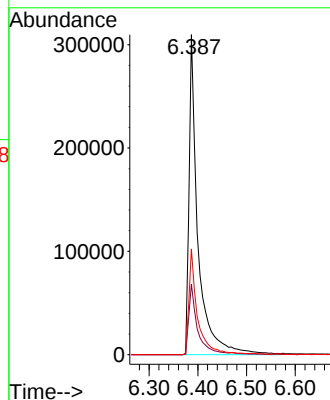
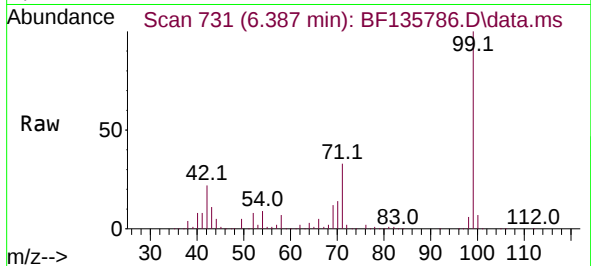




#7
Phenol-d6
Concen: 50.340 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

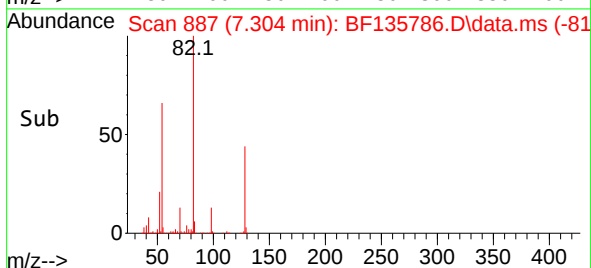
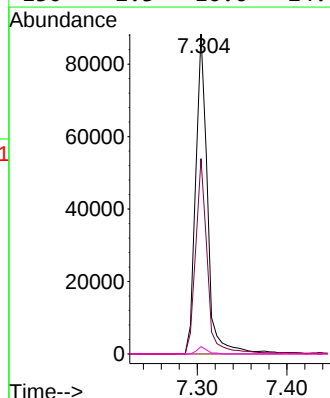
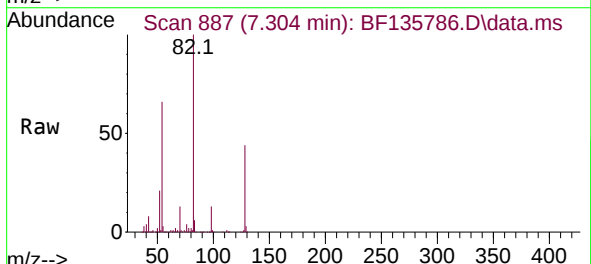
Instrument :
BNA_F
ClientSampleId :
FB-10022023

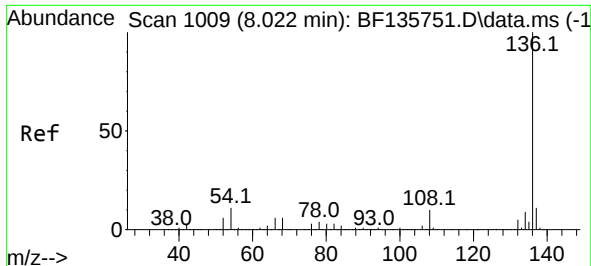
Tgt Ion: 99 Resp: 394393
Ion Ratio Lower Upper
99 100
42 22.1 18.4 27.6
71 33.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.732 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

Tgt Ion: 70 Resp: 81054
Ion Ratio Lower Upper
70 100
42 61.1 59.8 89.6
101 0.0 7.4 11.2#
130 2.3 16.6 24.8#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

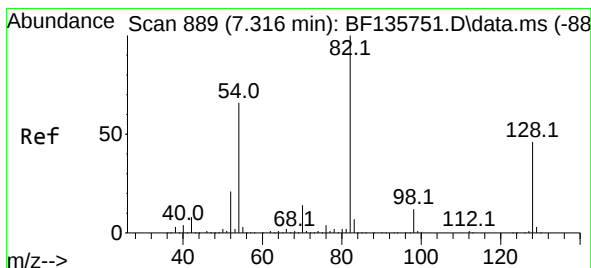
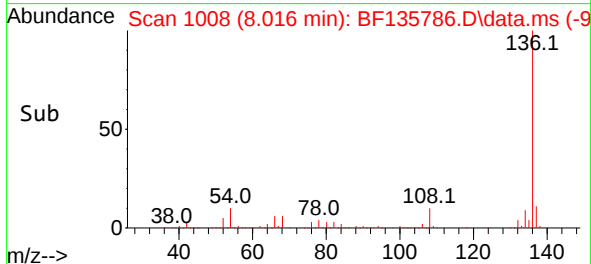
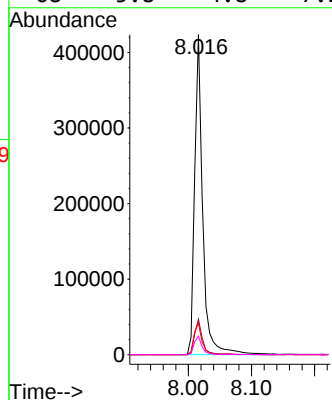
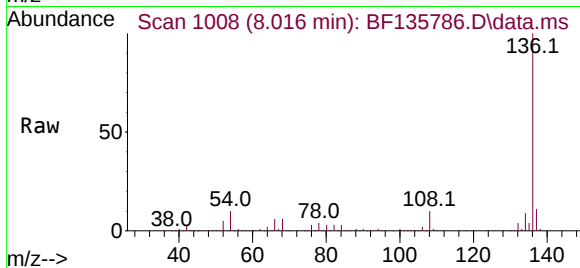
Instrument :

BNA_F

ClientSampleId :

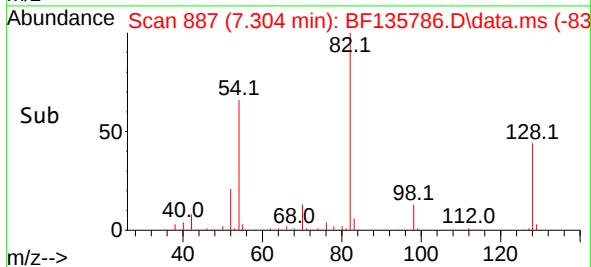
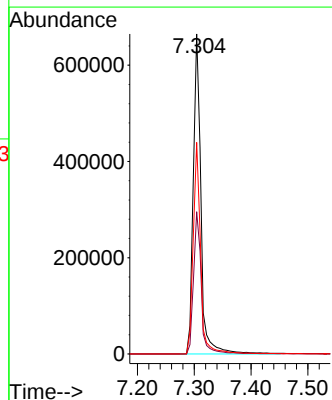
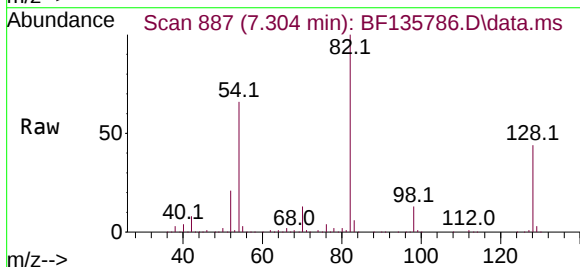
FB-10022023

Tgt Ion:136 Resp: 378703
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.8 8.5 12.7
68 5.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 90.763 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

Tgt Ion: 82 Resp: 624958
Ion Ratio Lower Upper
82 100
128 44.5 37.0 55.6
54 66.1 52.8 79.2

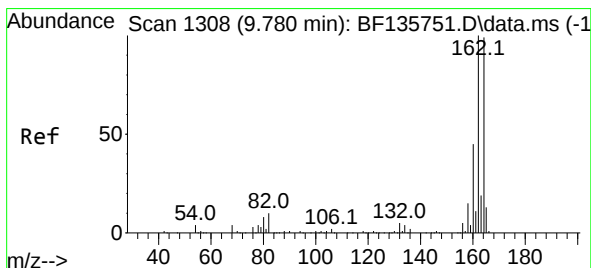
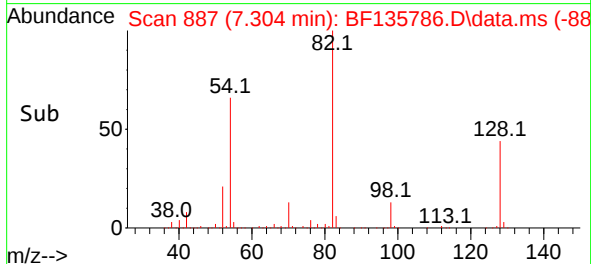
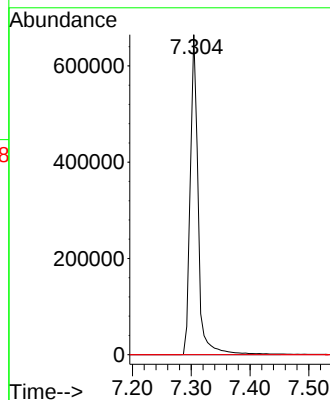
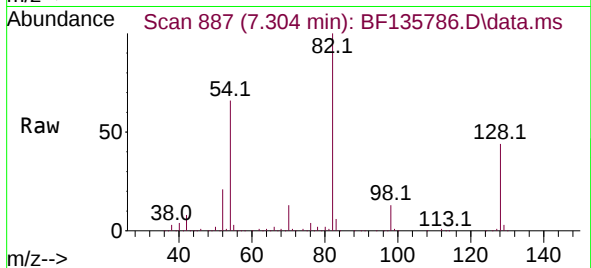




#25
Isophorone
Concen: 48.110 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

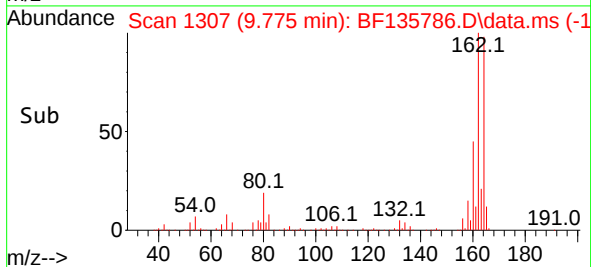
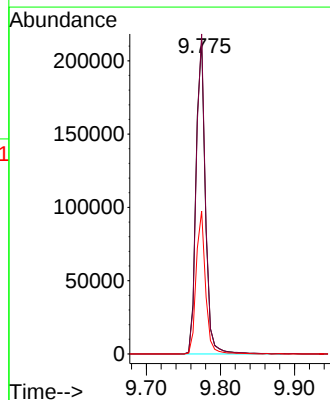
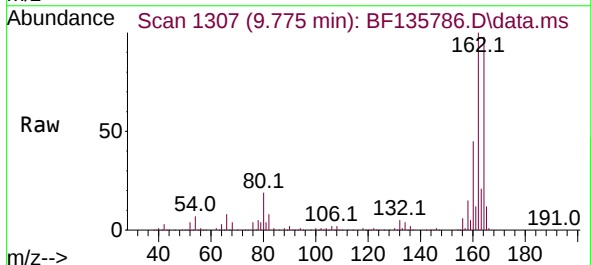
Instrument :
BNA_F
ClientSampleId :
FB-10022023

Tgt Ion: 82 Resp: 624954
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

Tgt Ion:164 Resp: 187250
Ion Ratio Lower Upper
164 100
162 102.0 80.8 121.2
160 45.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 122.401 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135786.D

Acq: 16 Oct 2023 20:20

Instrument :

BNA_F

ClientSampleId :

FB-10022023

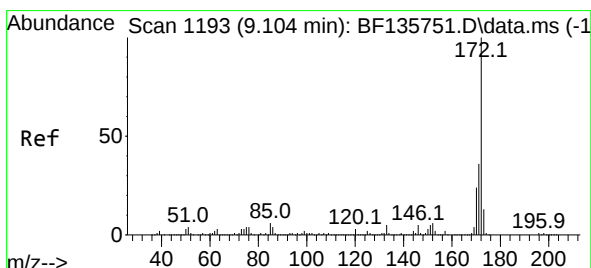
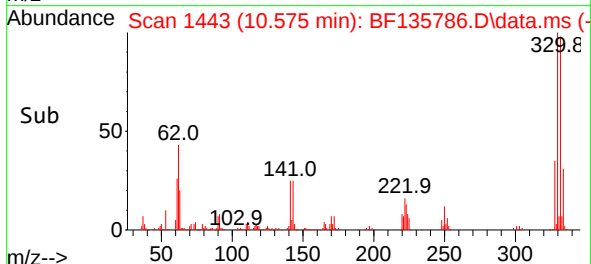
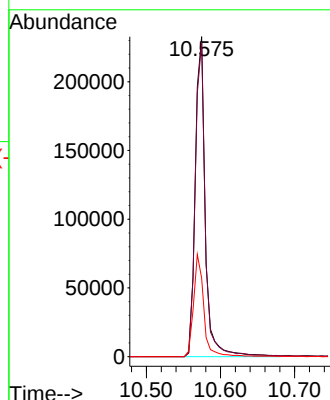
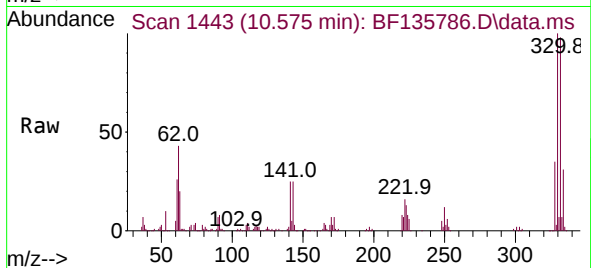
Tgt Ion:330 Resp: 219931

Ion Ratio Lower Upper

330 100

332 98.2 75.0 112.4

141 32.4 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 91.664 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135786.D

Acq: 16 Oct 2023 20:20

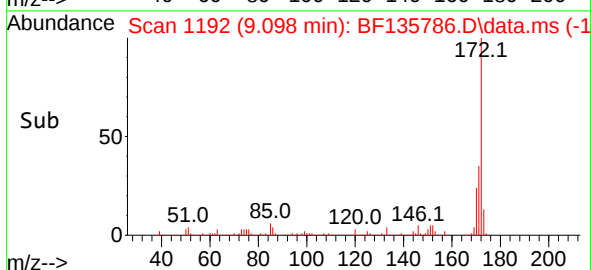
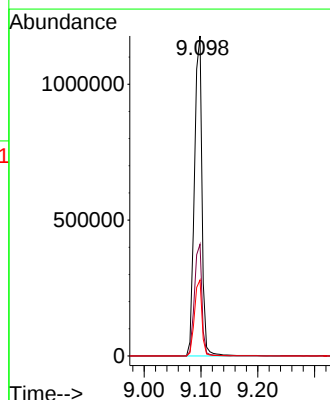
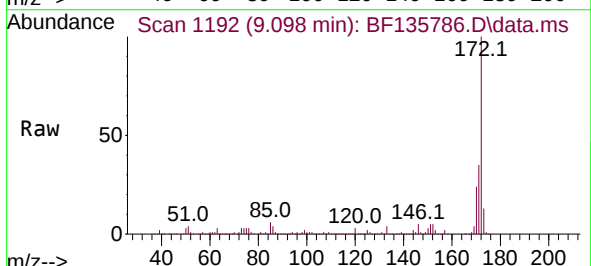
Tgt Ion:172 Resp: 1097790

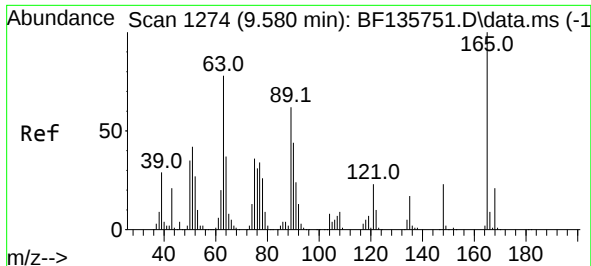
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.8 18.8 28.2

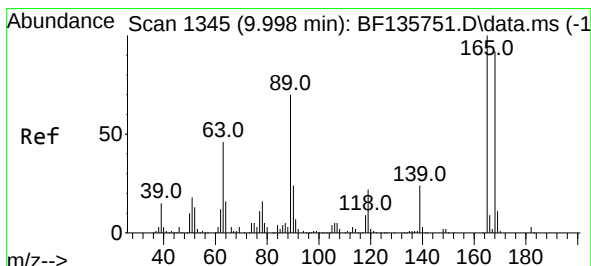
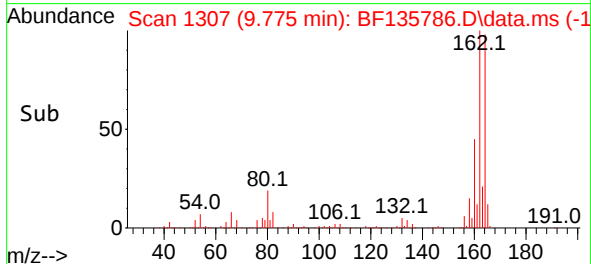
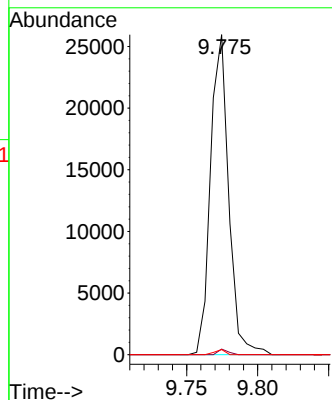
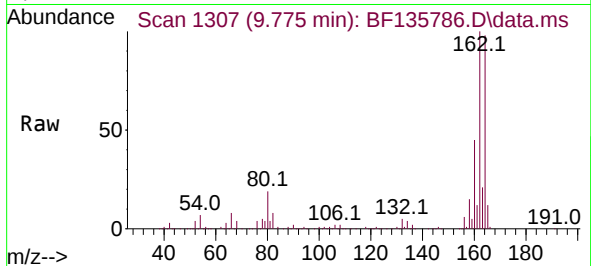




#51
2,6-Dinitrotoluene
Concen: 8.515 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

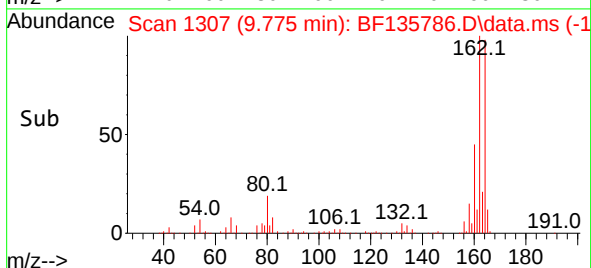
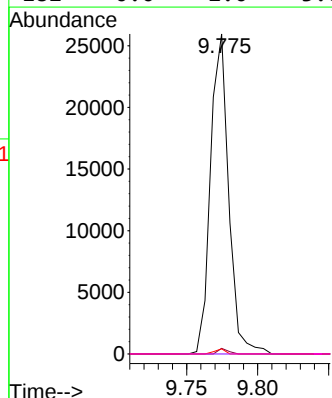
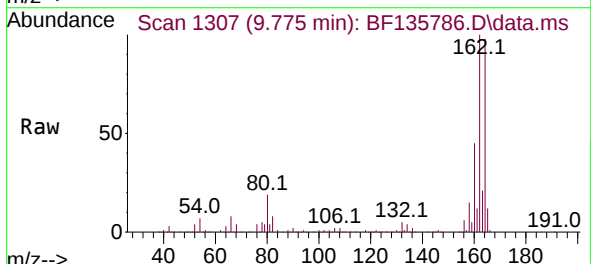
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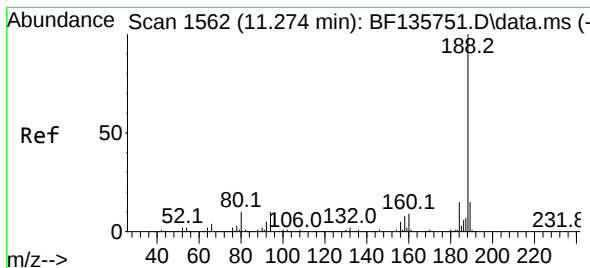
Tgt Ion:165 Resp: 23146
Ion Ratio Lower Upper
165 100
63 1.8 62.2 93.4#
89 1.6 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.693 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

Tgt Ion:165 Resp: 23146
Ion Ratio Lower Upper
165 100
63 1.8 39.0 58.4#
89 1.6 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135786.D

Acq: 16 Oct 2023 20:20

Instrument :

BNA_F

ClientSampleId :

FB-10022023

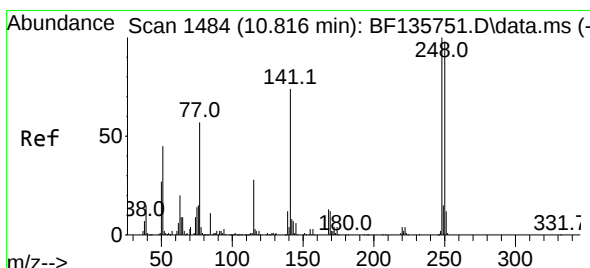
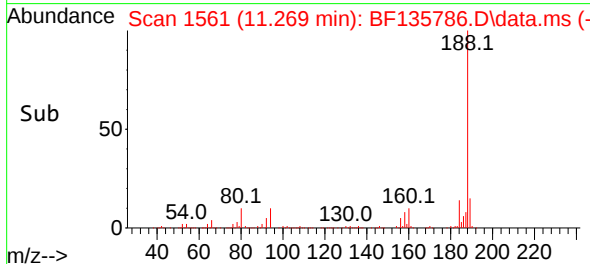
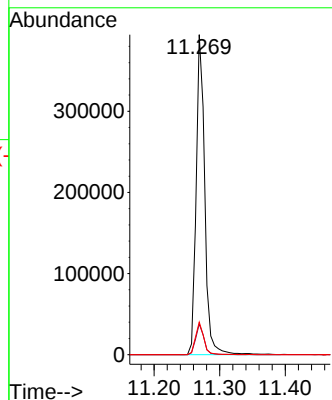
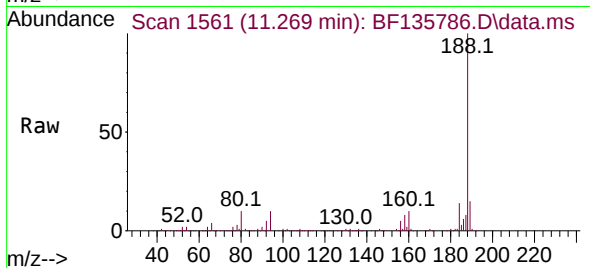
Tgt Ion:188 Resp: 360418

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

80 10.2 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.813 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135786.D

Acq: 16 Oct 2023 20:20

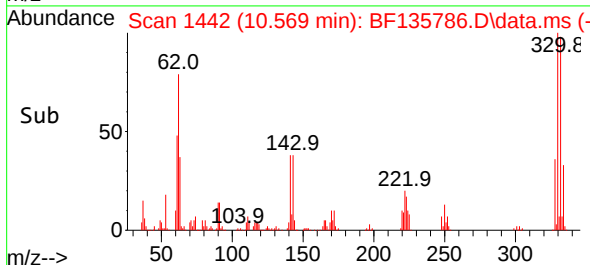
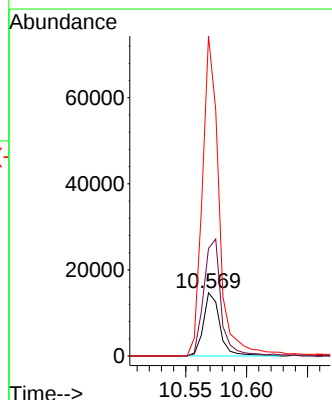
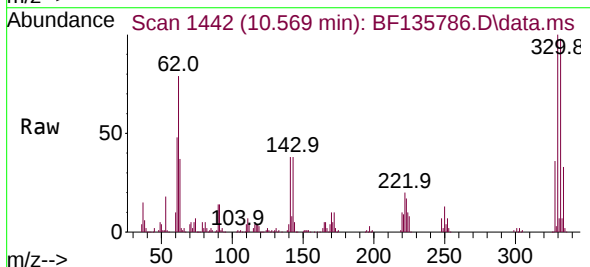
Tgt Ion:248 Resp: 13797

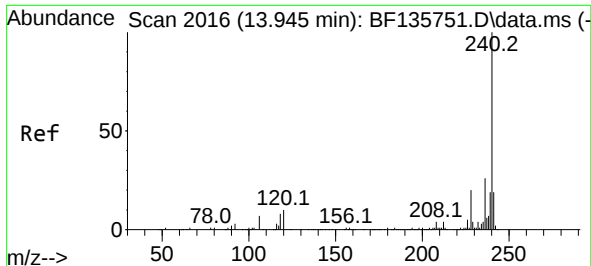
Ion Ratio Lower Upper

248 100

250 170.1 78.0 117.0#

141 506.0 59.0 88.6#

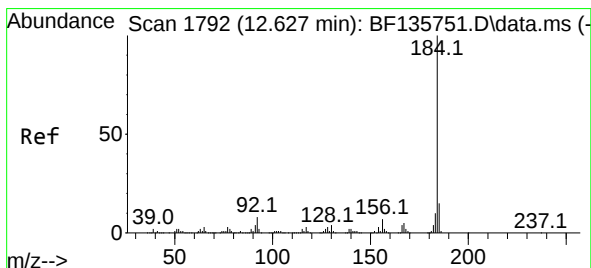
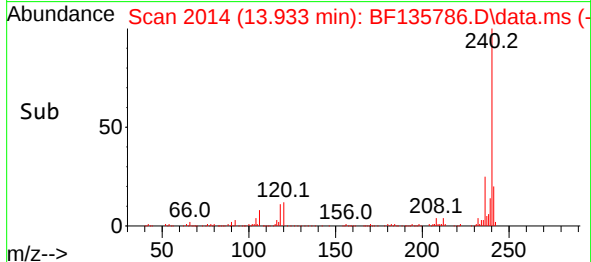
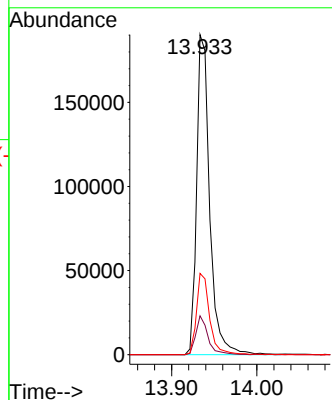
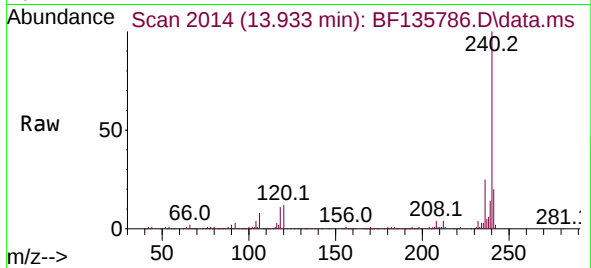




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. -0.018 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

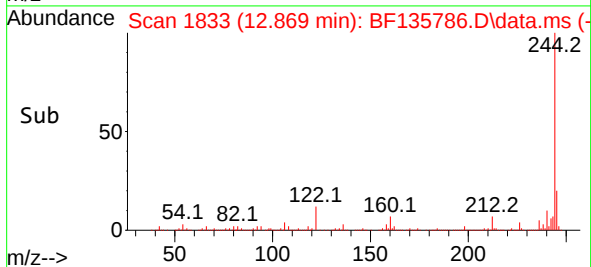
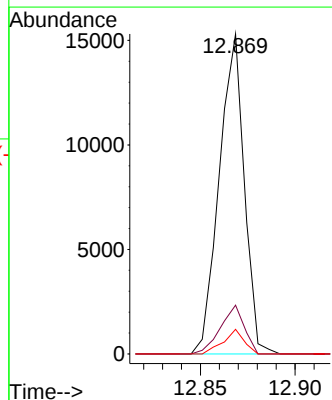
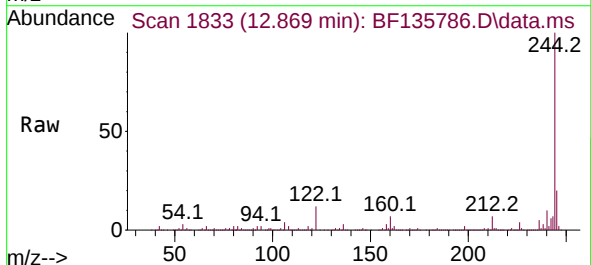
Instrument :
BNA_F
ClientSampleId :
FB-10022023

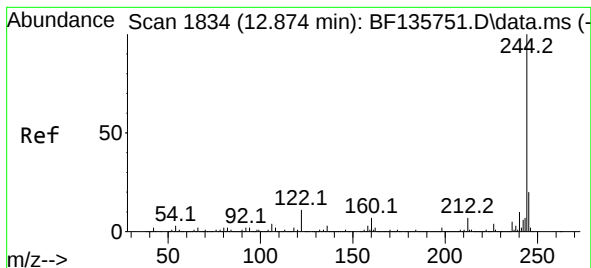
Tgt Ion:240 Resp: 202296
Ion Ratio Lower Upper
240 100
120 12.2 8.2 12.2
236 25.4 21.2 31.8



#77
Benzidine
Concen: 3.184 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.235 min
Lab File: BF135786.D
Acq: 16 Oct 2023 20:20

Tgt Ion:184 Resp: 14053
Ion Ratio Lower Upper
184 100
185 15.3 12.0 18.0
183 7.7 8.2 12.2#





#79

Terphenyl-d14

Concen: 100.375 ng

RT: 12.869 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135786.D

Acq: 16 Oct 2023 20:20

Instrument :

BNA_F

ClientSampleId :

FB-10022023

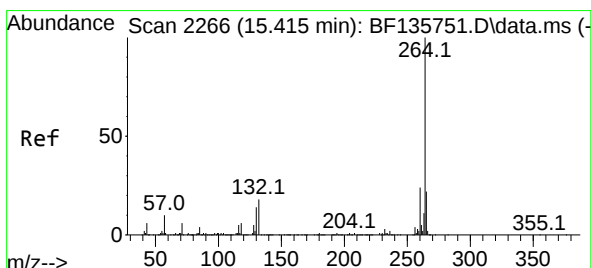
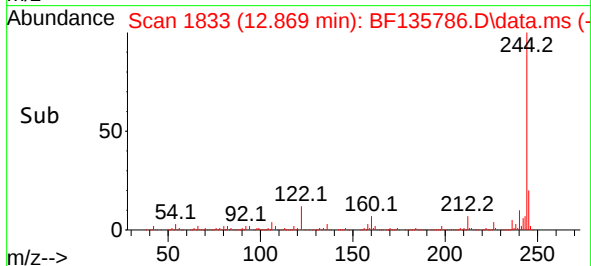
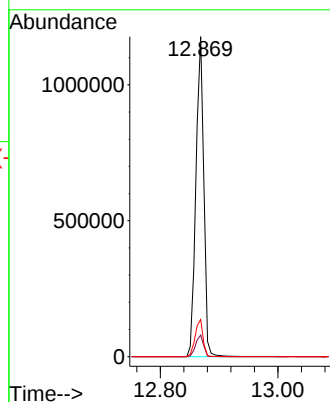
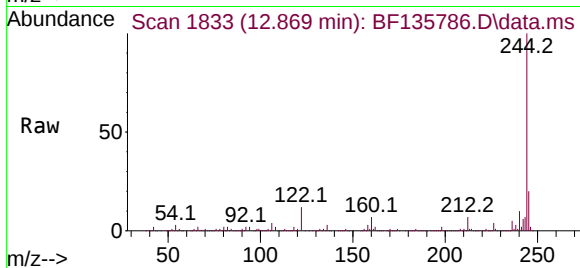
Tgt Ion:244 Resp: 1096459

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.6 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF135786.D

Acq: 16 Oct 2023 20:20

Tgt Ion:264 Resp: 218363

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 20.3 17.4 26.2

