

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135877.D
 Acq On : 19 Oct 2023 06:30
 Operator : CG\JU
 Sample : 04765-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TT-1

Quant Time: Oct 19 06:55:41 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)

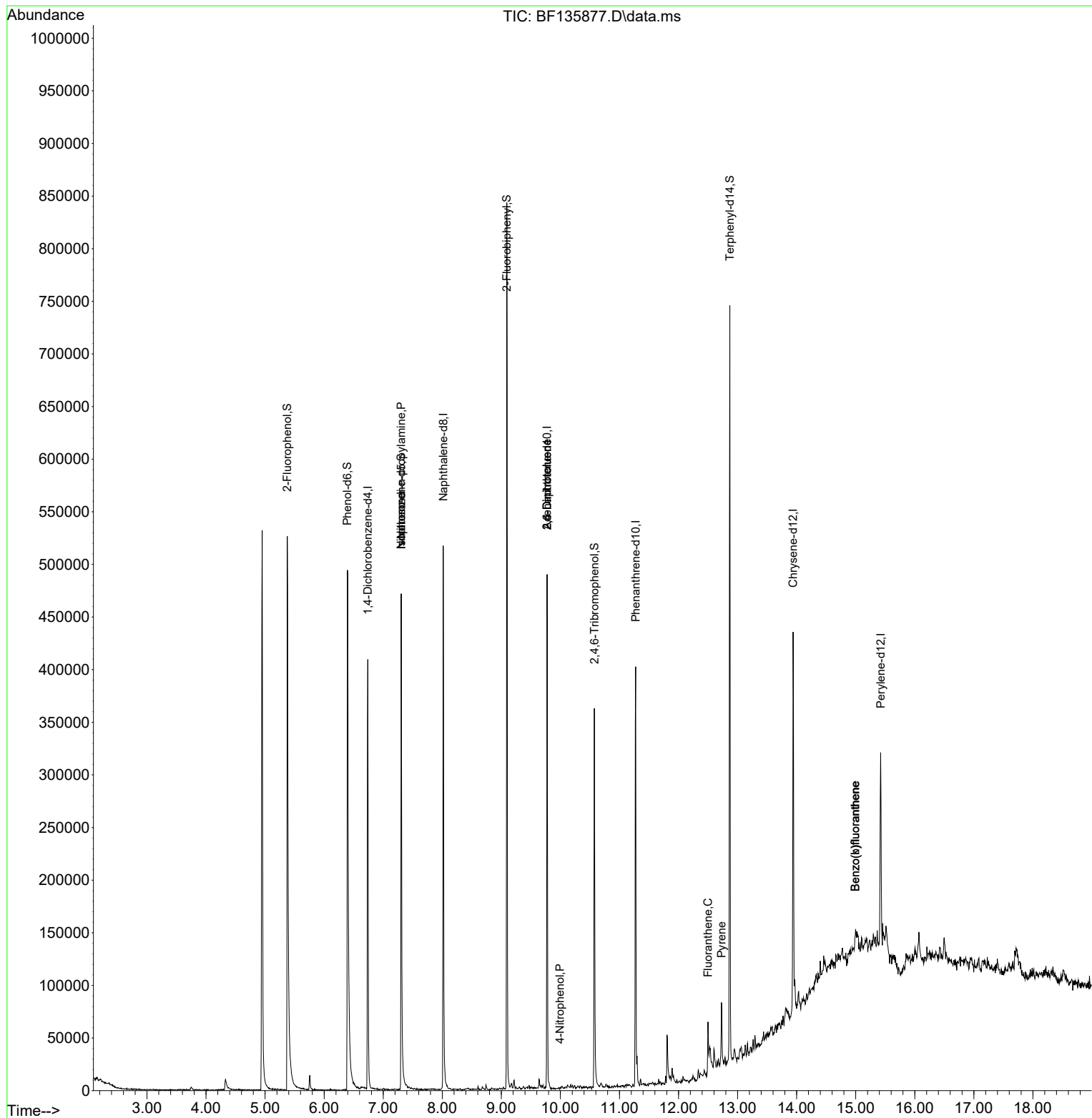
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	63068	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	214277	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	88814	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	156693	20.000	ng	0.00
76) Chrysene-d12	13.939	240	121098	20.000	ng	-0.01
86) Perylene-d12	15.422	264	90419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	200391	51.084	ng	0.00
7) Phenol-d6	6.393	99	236230	48.264	ng	0.00
23) Nitrobenzene-d5	7.304	82	148680	38.162	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	44242	51.913	ng	-0.01
45) 2-Fluorobiphenyl	9.093	172	246913	43.467	ng	-0.01
79) Terphenyl-d14	12.869	244	237133	36.264	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	19574	6.468	ng	# 78
25) Isophorone	7.304	82	148680	20.228	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	11501	8.920	ng	# 16
56) 4-Nitrophenol	9.992	139	59	5.568	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	11501	7.012	ng	# 24
75) Fluoranthene	12.498	202	17659	2.120	ng	98
78) Pyrene	12.728	202	26018	2.704	ng	98
88) Benzo(b)fluoranthene	14.992	252	11474	2.267	ng	# 80
89) Benzo(k)fluoranthene	14.992	252	11474	2.335	ng	# 78

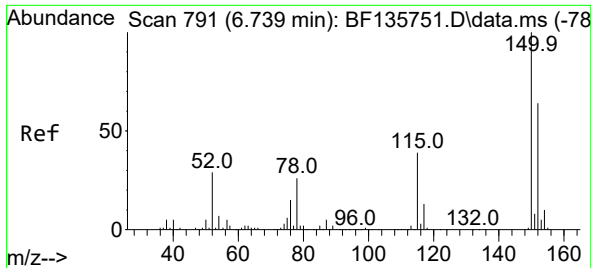
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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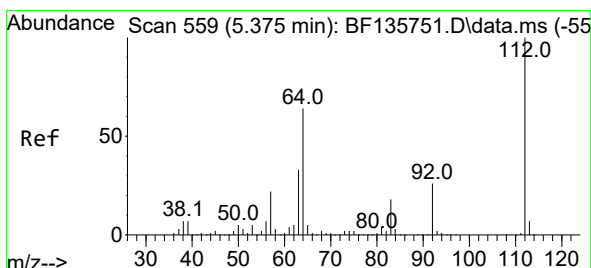
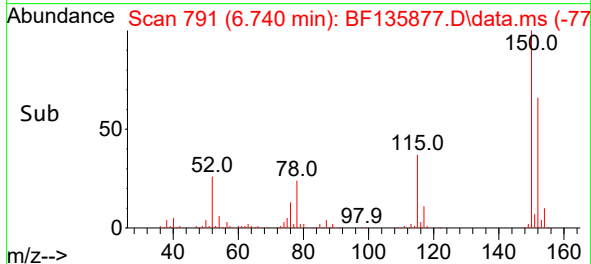
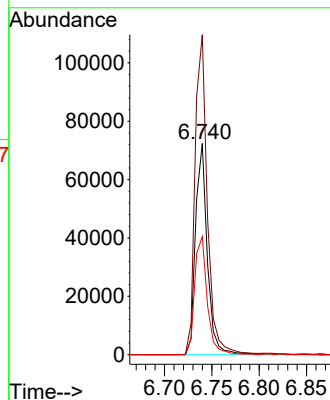
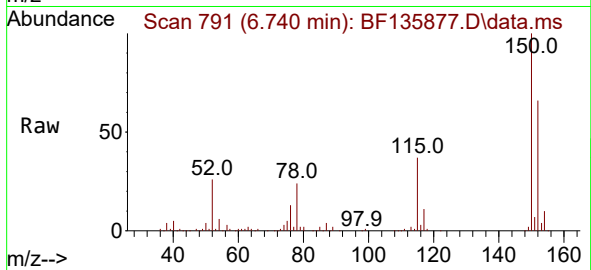




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

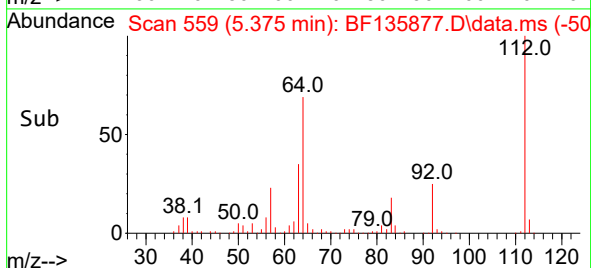
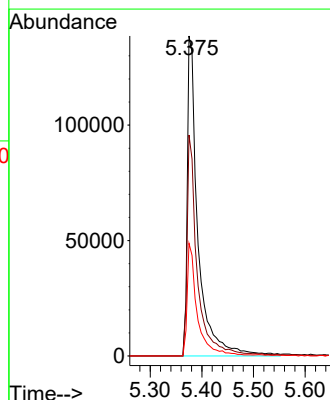
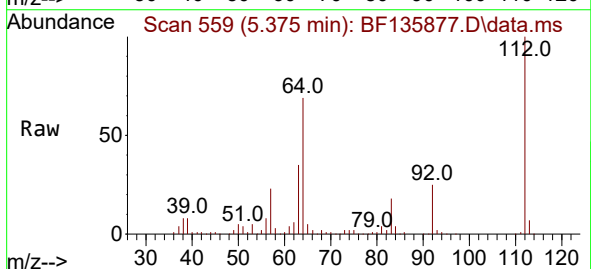
Instrument :
BNA_F
ClientSampleId :
TT-1

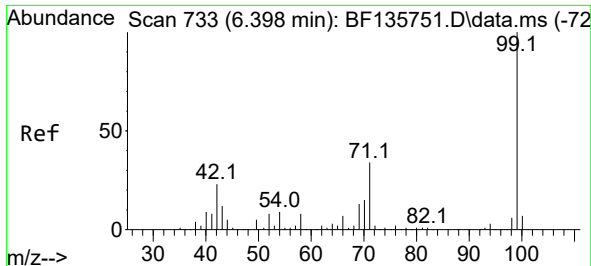
Tgt Ion:152 Resp: 63068
Ion Ratio Lower Upper
152 100
150 151.5 124.5 186.7
115 55.9 49.0 73.4



#5
2-Fluorophenol
Concen: 51.084 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

Tgt Ion:112 Resp: 200391
Ion Ratio Lower Upper
112 100
64 69.1 51.2 76.8
63 35.2 26.1 39.1

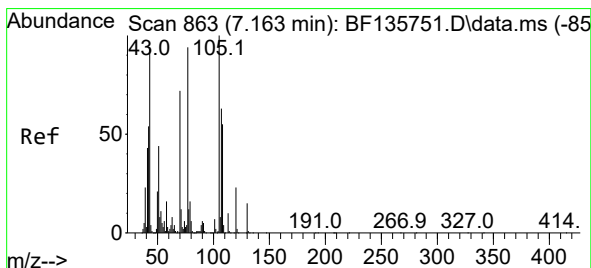
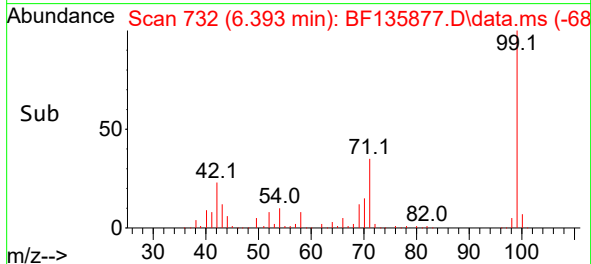
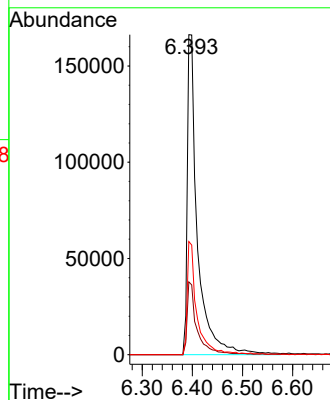
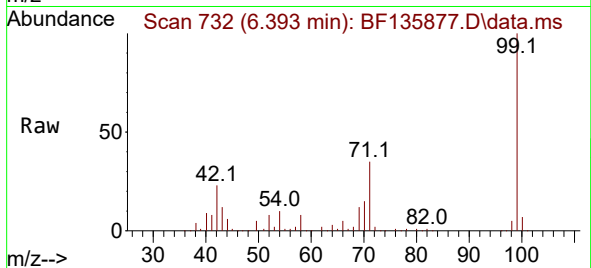




#7
Phenol-d6
Concen: 48.264 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

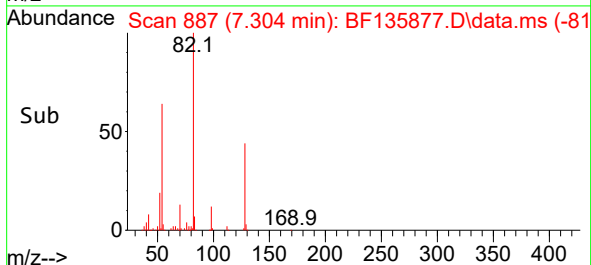
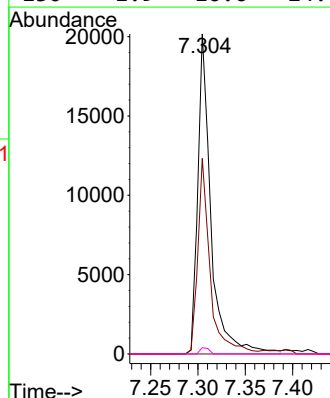
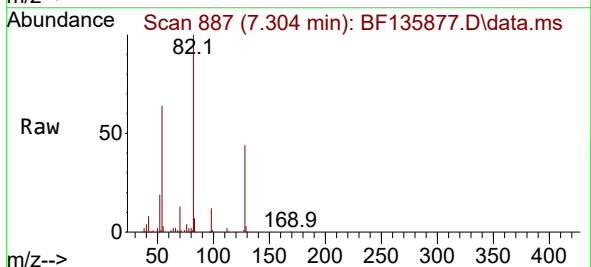
Instrument :
BNA_F
ClientSampleId :
TT-1

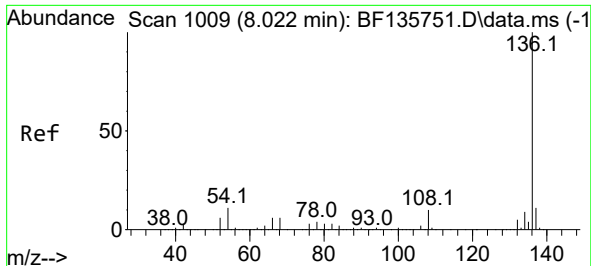
Tgt Ion: 99 Resp: 236230
Ion Ratio Lower Upper
99 100
42 22.8 18.4 27.6
71 35.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.468 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

Tgt Ion: 70 Resp: 19574
Ion Ratio Lower Upper
70 100
42 61.1 59.8 89.6
101 0.0 7.4 11.2#
130 1.9 16.6 24.8#

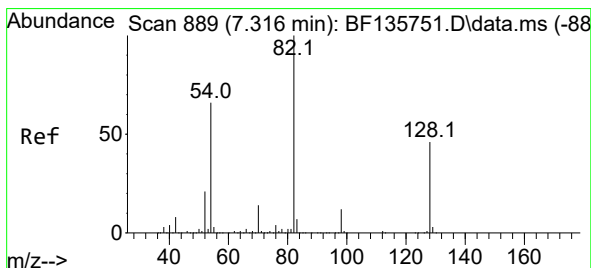
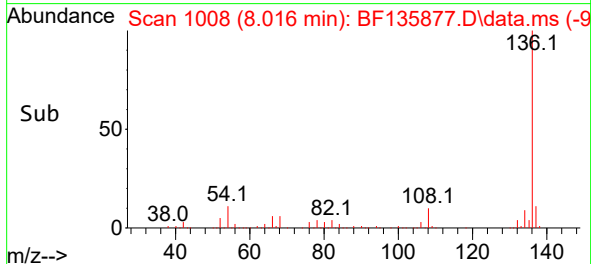
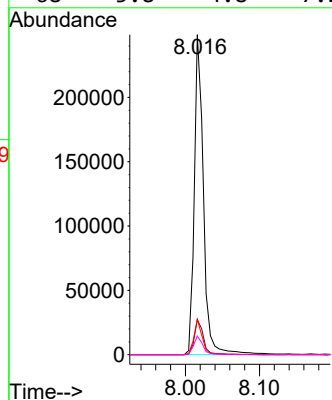
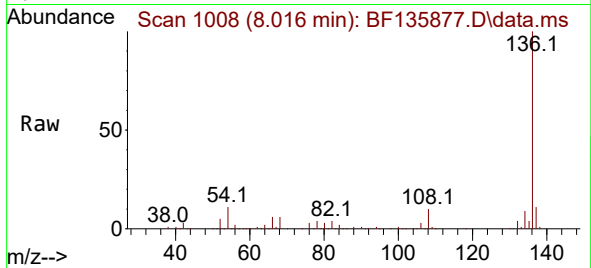




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

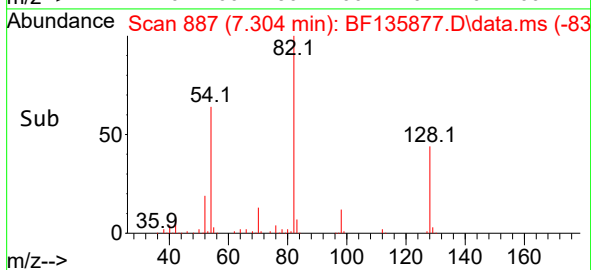
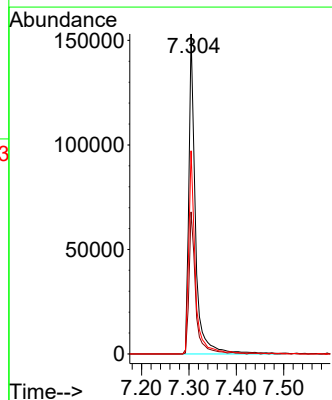
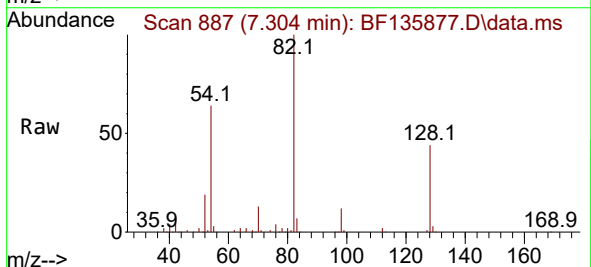
Instrument :
BNA_F
ClientSampleId :
TT-1

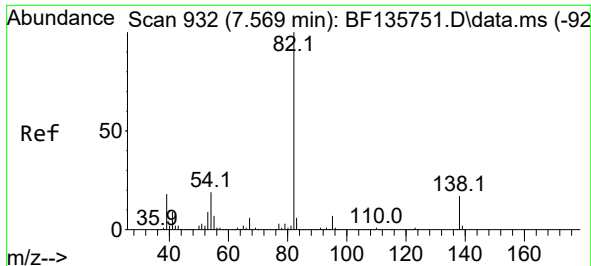
Tgt Ion:136 Resp: 214277
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 11.0 8.5 12.7
68 5.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 38.162 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

Tgt Ion: 82 Resp: 148680
Ion Ratio Lower Upper
82 100
128 44.4 37.0 55.6
54 63.5 52.8 79.2

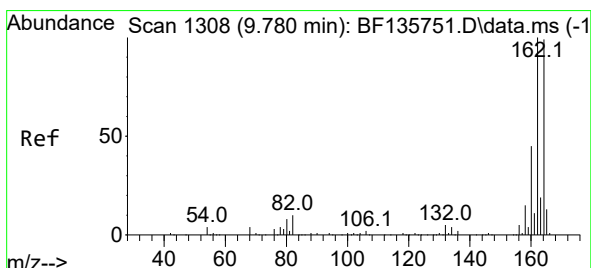
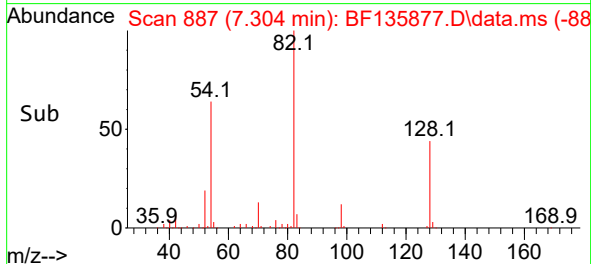
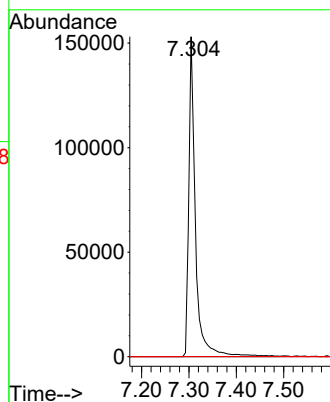
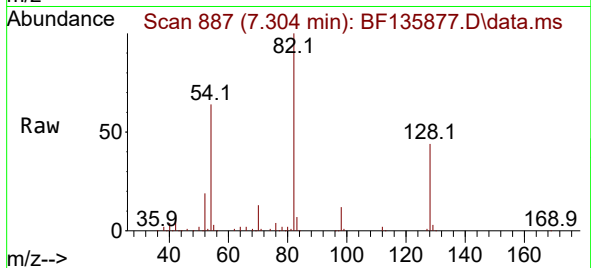




#25
Isophorone
Concen: 20.228 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

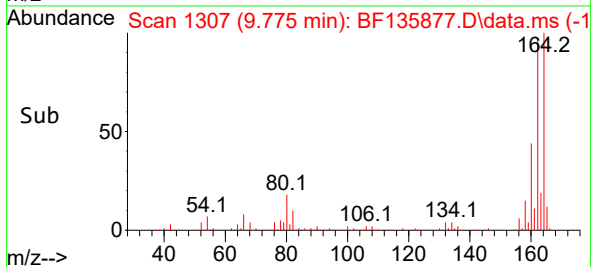
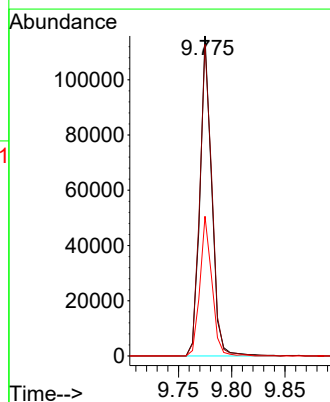
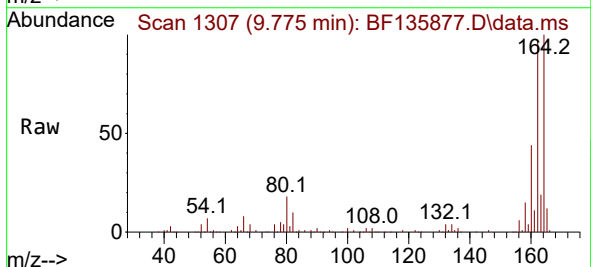
Instrument :
BNA_F
ClientSampleId :
TT-1

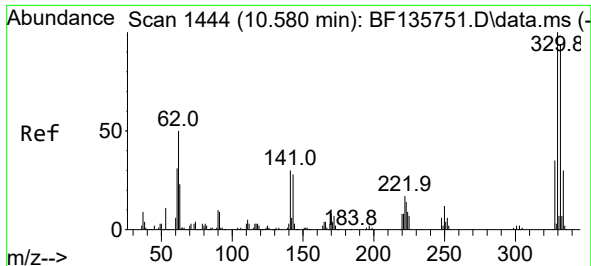
Tgt Ion: 82 Resp: 148680
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

Tgt Ion:164 Resp: 88814
Ion Ratio Lower Upper
164 100
162 97.4 80.8 121.2
160 43.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 51.913 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

Instrument :

BNA_F

ClientSampleId :

TT-1

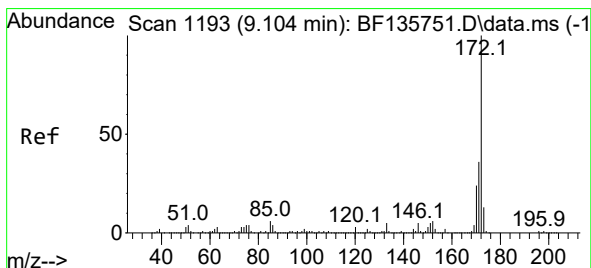
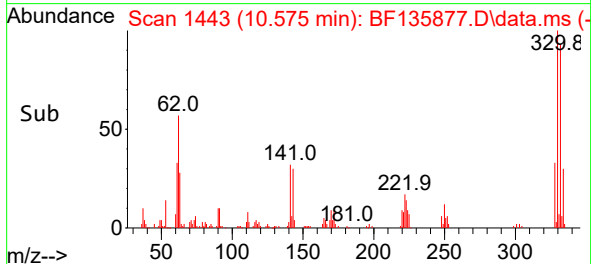
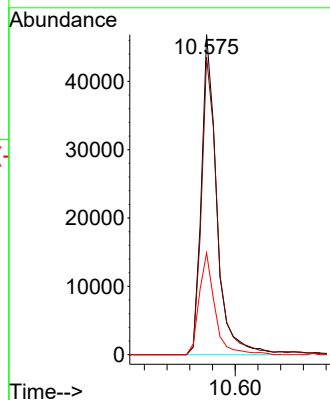
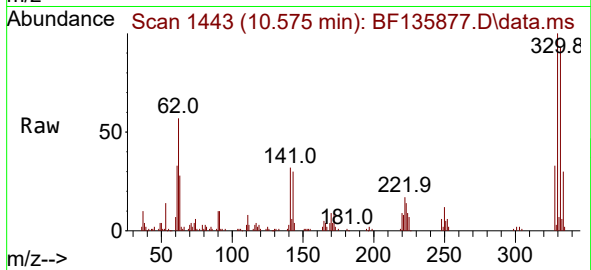
Tgt Ion:330 Resp: 44242

Ion Ratio Lower Upper

330 100

332 97.2 75.0 112.4

141 32.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 43.467 ng

RT: 9.093 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

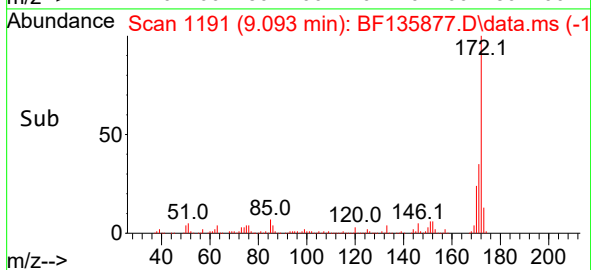
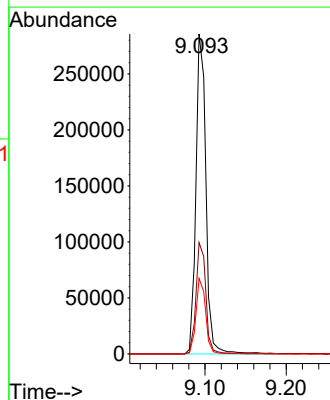
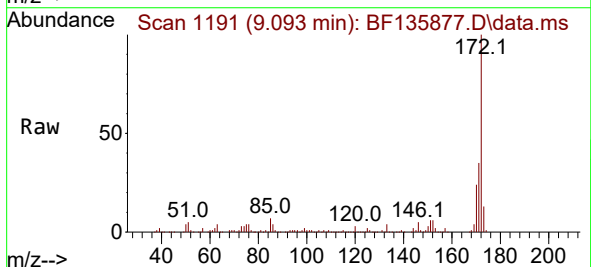
Tgt Ion:172 Resp: 246913

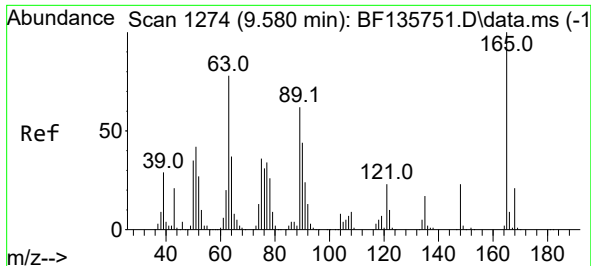
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.6 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.920 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

Instrument :

BNA_F

ClientSampleId :

TT-1

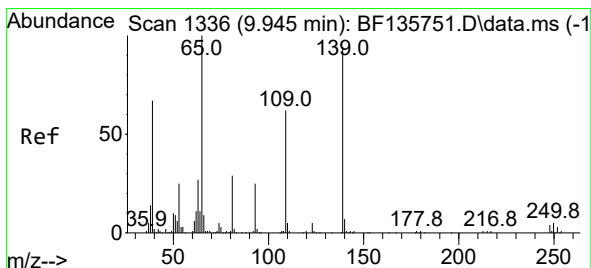
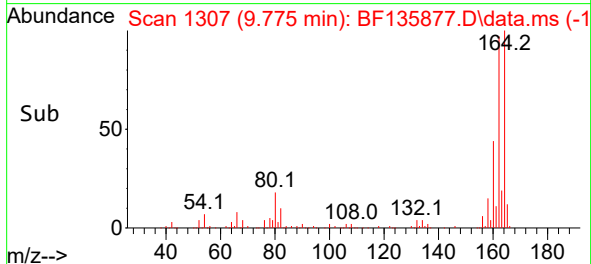
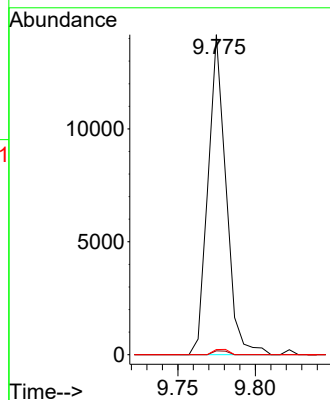
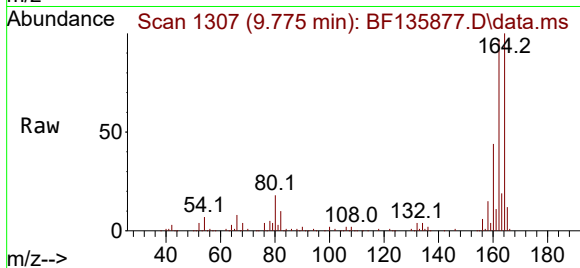
Tgt Ion:165 Resp: 11501

Ion Ratio Lower Upper

165 100

63 1.2 62.2 93.4#

89 1.6 49.6 74.4#



#56

4-Nitrophenol

Concen: 5.568 ng

RT: 9.992 min Scan# 1344

Delta R.T. 0.047 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

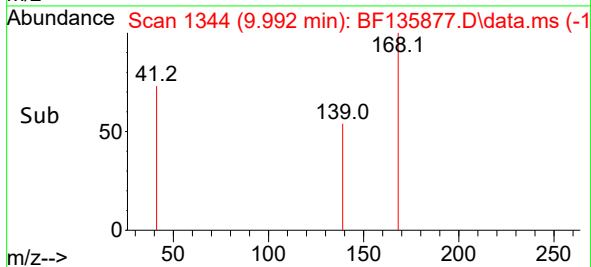
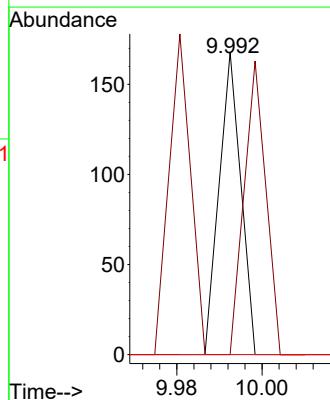
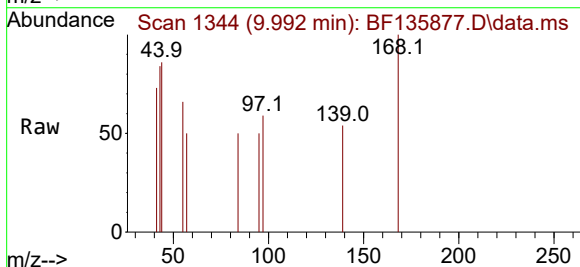
Tgt Ion:139 Resp: 59

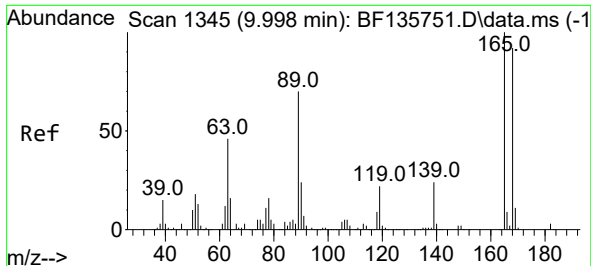
Ion Ratio Lower Upper

139 100

109 0.0 45.6 85.6#

65 0.0 87.5 127.5#





#57

2,4-Dinitrotoluene

Concen: 7.012 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.229 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

Instrument :

BNA_F

ClientSampleId :

TT-1

Tgt Ion:165 Resp: 11501

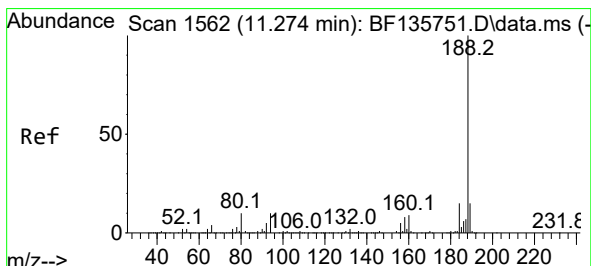
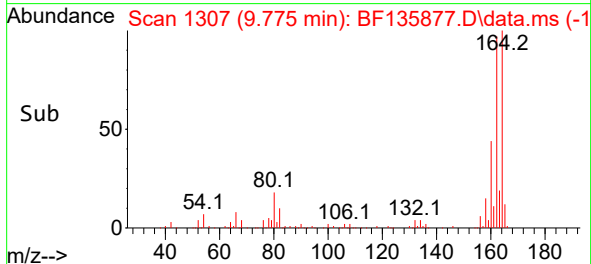
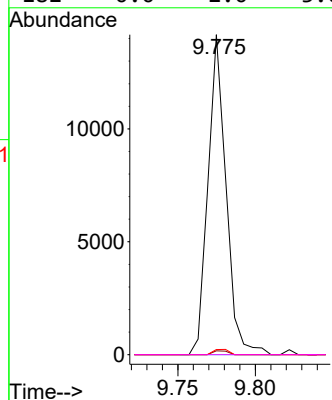
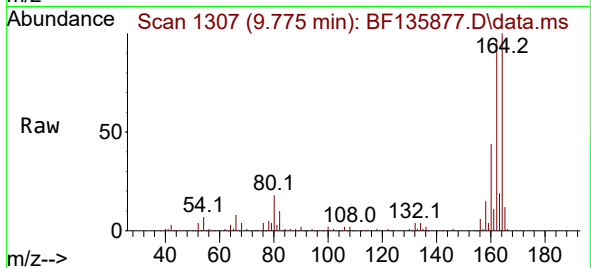
Ion Ratio Lower Upper

165 100

63 1.2 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: 11.275 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

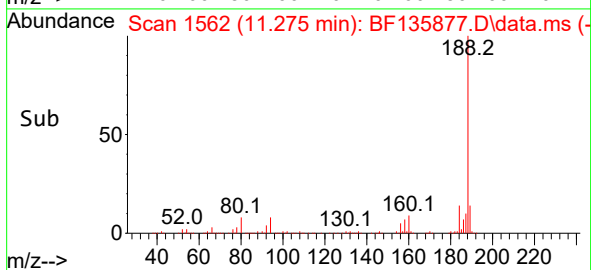
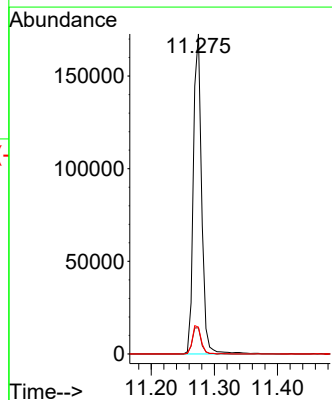
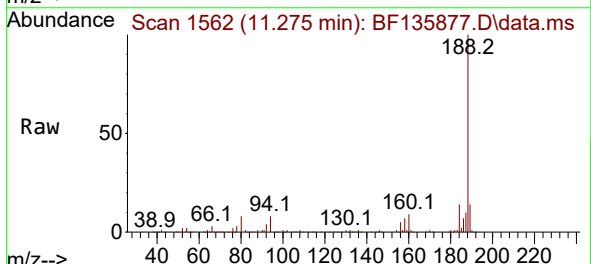
Tgt Ion:188 Resp: 156693

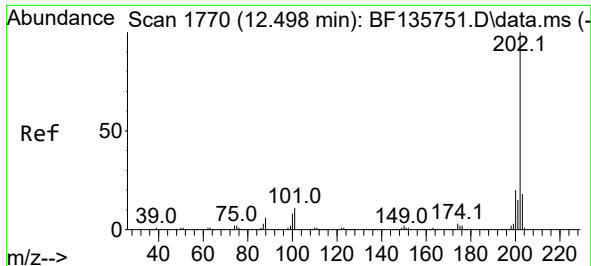
Ion Ratio Lower Upper

188 100

94 8.1 8.0 12.0

80 8.4 8.3 12.5

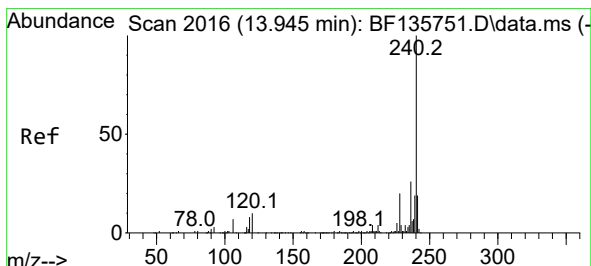
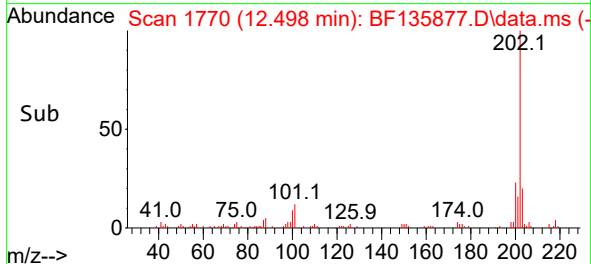
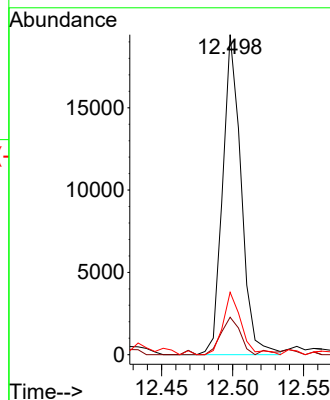
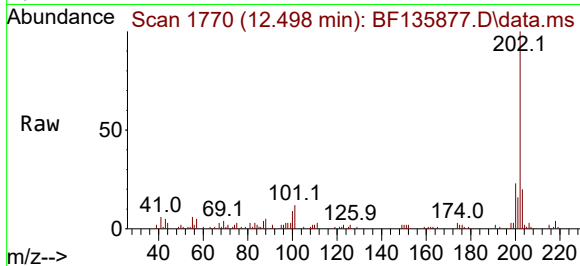




#75
Fluoranthene
Concen: 2.120 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

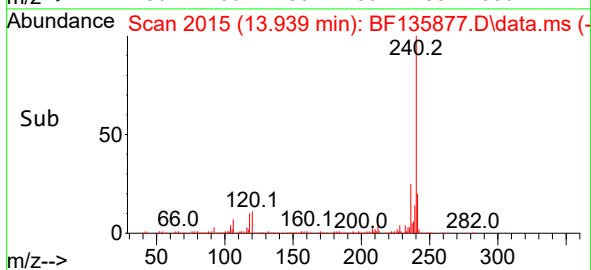
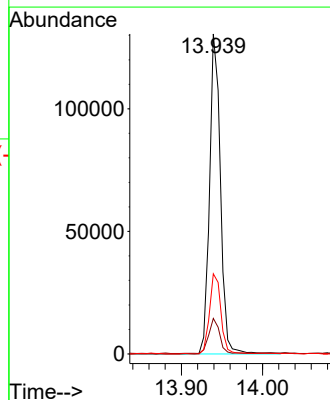
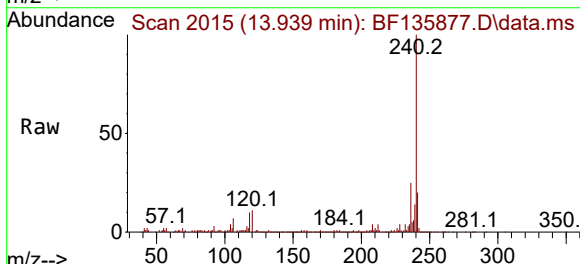
Instrument :
BNA_F
ClientSampleId :
TT-1

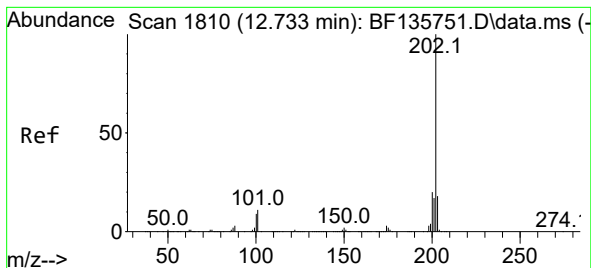
Tgt Ion:202 Resp: 17659
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.5
203 19.5 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135877.D
Acq: 19 Oct 2023 06:30

Tgt Ion:240 Resp: 121098
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.2
236 25.1 21.2 31.8





#78

Pyrene

Concen: 2.704 ng

RT: 12.728 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

Instrument :

BNA_F

ClientSampleId :

TT-1

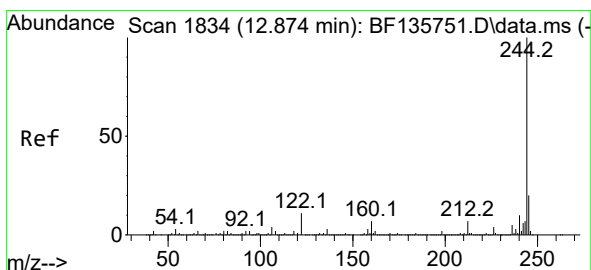
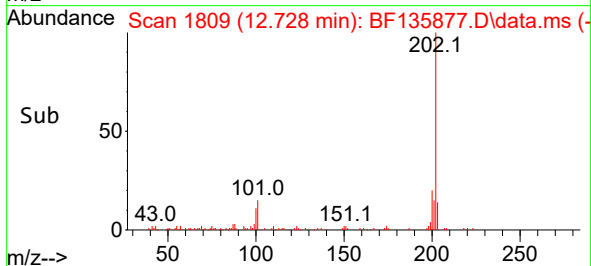
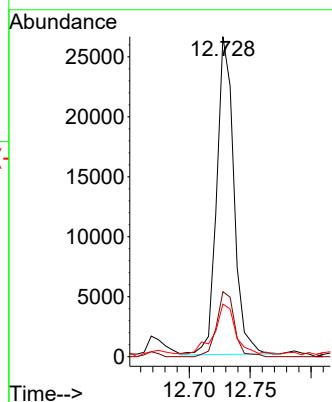
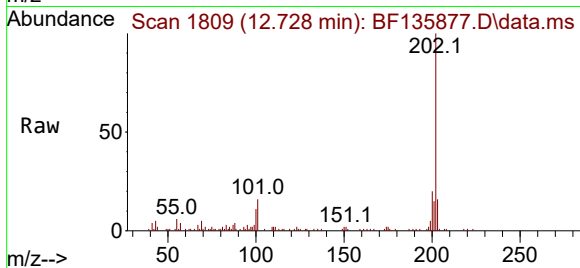
Tgt Ion:202 Resp: 26018

Ion Ratio Lower Upper

202 100

200 20.3 16.1 24.1

203 16.5 14.2 21.2



#79

Terphenyl-d14

Concen: 36.264 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

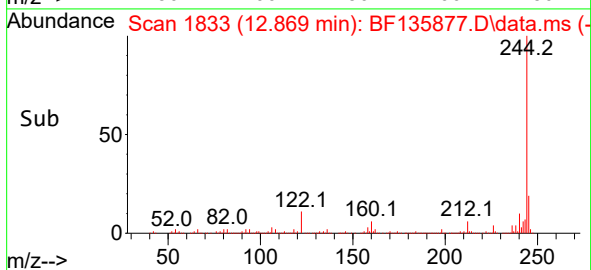
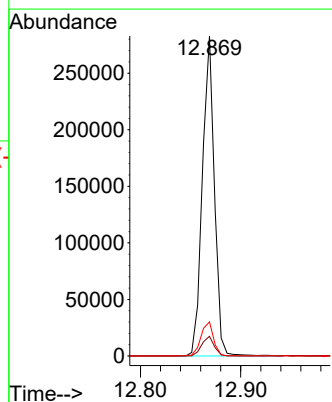
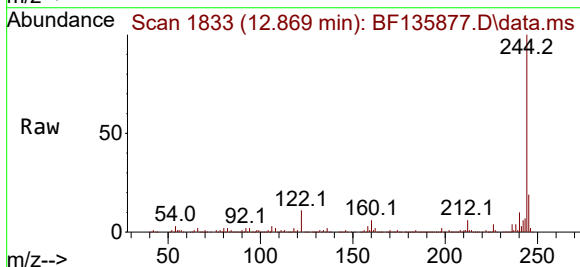
Tgt Ion:244 Resp: 237133

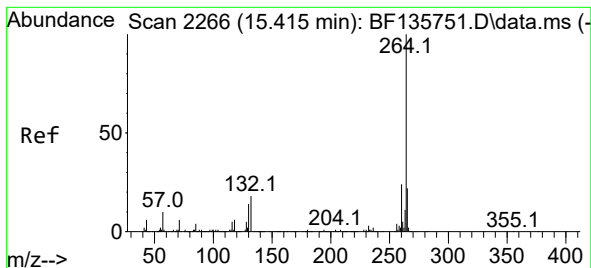
Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 10.6 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.422 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

Instrument :

BNA_F

ClientSampleId :

TT-1

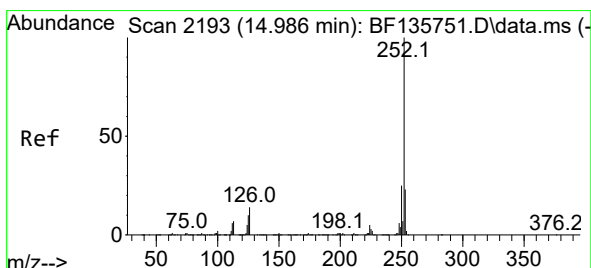
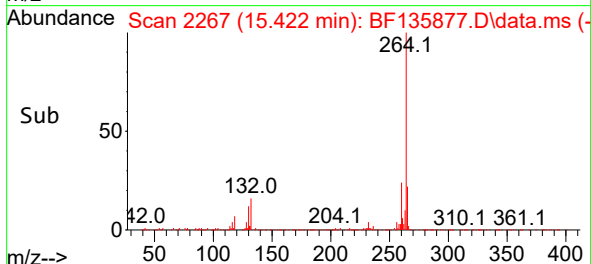
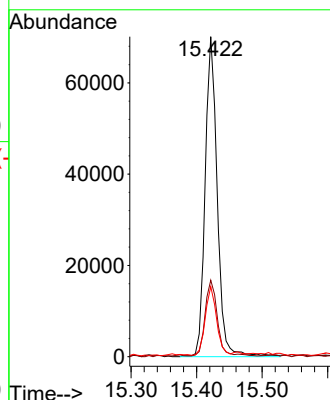
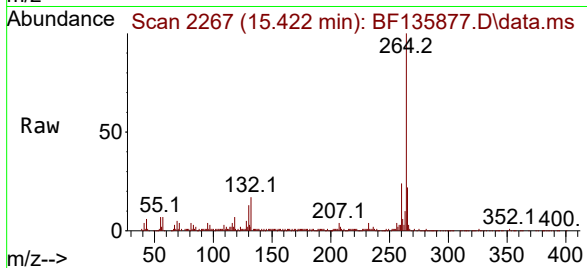
Tgt Ion:264 Resp: 90419

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.9 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.267 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF135877.D

Acq: 19 Oct 2023 06:30

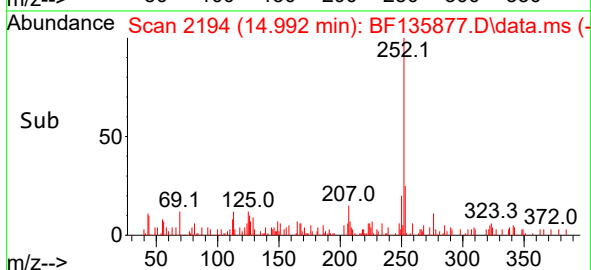
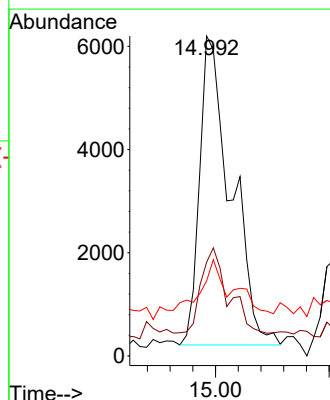
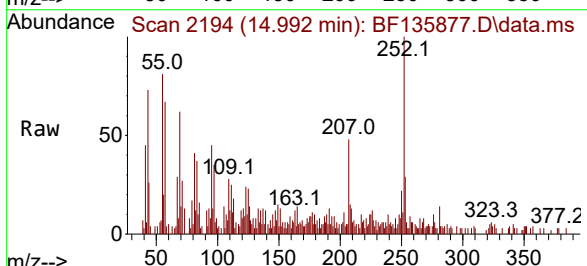
Tgt Ion:252 Resp: 11474

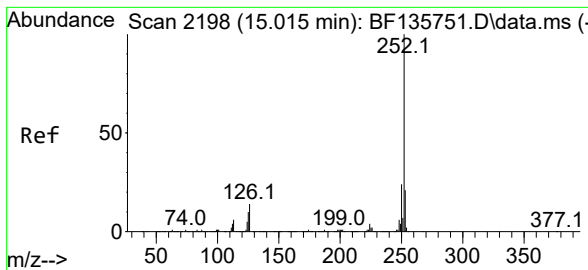
Ion Ratio Lower Upper

252 100

253 29.2 18.2 27.2#

125 23.4 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 2.335 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF135877.D

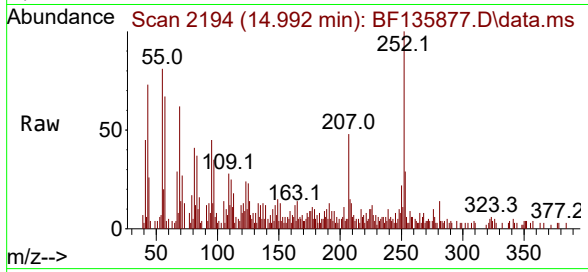
Acq: 19 Oct 2023 06:30

Instrument :

BNA_F

ClientSampleId :

TT-1



Tgt Ion:252 Resp: 11474

Ion Ratio Lower Upper

252 100

253 29.2 17.4 26.0#

125 23.4 8.3 12.5#

