

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
 Data File : BF130436.D
 Acq On : 27 Sep 2022 21:31
 Operator : CG\JU
 Sample : N4789-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

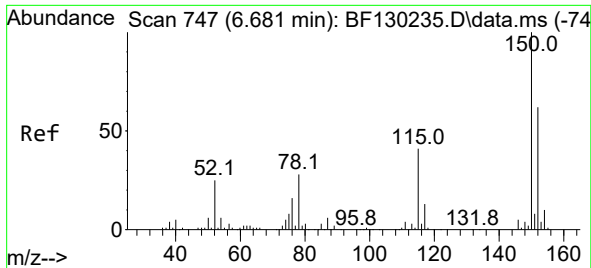
Instrument :
 BNA_F
 ClientSampleId :
 RB20515

Quant Time: Sep 28 03:02:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.646	152	82140	20.000	ng	0.00
21) Naphthalene-d8	7.922	136	285916	20.000	ng	0.00
39) Acenaphthene-d10	9.675	164	132478	20.000	ng	0.00
64) Phenanthrene-d10	11.151	188	225907	20.000	ng	0.00
76) Chrysene-d12	13.786	240	225000	20.000	ng	0.00
86) Perylene-d12	15.180	264	216163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	496425	104.825	ng	0.00
7) Phenol-d6	6.281	99	583903	98.540	ng	-0.01
23) Nitrobenzene-d5	7.210	82	354246	63.298	ng	0.00
42) 2,4,6-Tribromophenol	10.463	330	146560	115.457	ng	0.00
45) 2-Fluorobiphenyl	9.004	172	562656	61.847	ng	0.00
79) Terphenyl-d14	12.745	244	663424	48.842	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.210	70	47932	11.988	ng	# 72
25) Isophorone	7.210	82	354242	39.272	ng	# 66
49) Acenaphthylene	9.534	152	26901	2.242	ng	98
50) Dimethylphthalate	9.675	163	25489	2.785	ng	# 1
51) 2,6-Dinitrotoluene	9.675	165	17499	9.143	ng	# 16
57) 2,4-Dinitrotoluene	9.675	165	17499	7.154	ng	# 16
67) 4-Bromophenyl-phenylether	10.463	248	9060	3.635	ng	# 1
71) Phenanthrene	11.175	178	125679	9.909	ng	99
75) Fluoranthene	12.363	202	185077	15.101	ng	97
78) Pyrene	12.592	202	251899	12.798	ng	98
81) Benzo(a)anthracene	13.810	228	130368	8.710	ng	94
83) Chrysene	13.810	228	130368	9.173	ng	96
84) Bis(2-ethylhexyl)phtha...	13.780	149	27522	3.295	ng	# 92
88) Benzo(b)fluoranthene	14.786	252	182019	12.901	ng	95
89) Benzo(k)fluoranthene	14.786	252	182019	13.115	ng	94
90) Benzo(a)pyrene	15.116	252	107689	9.634	ng	97
92) Benzo(g,h,i)perylene	16.886	276	58322	4.604	ng	97

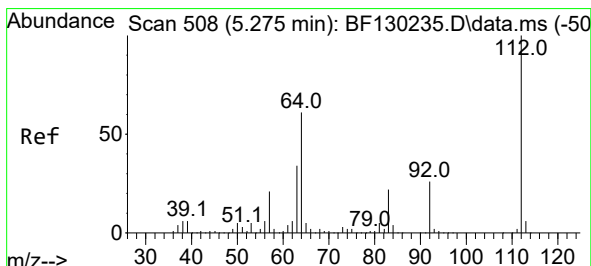
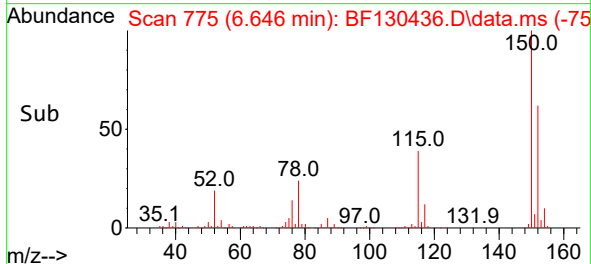
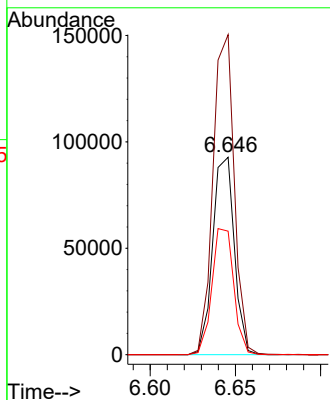
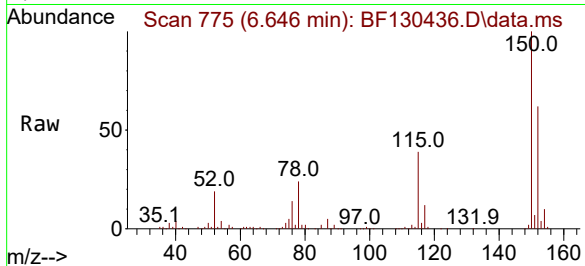
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.646 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: BF130436.D
 Acq: 27 Sep 2022 21:31

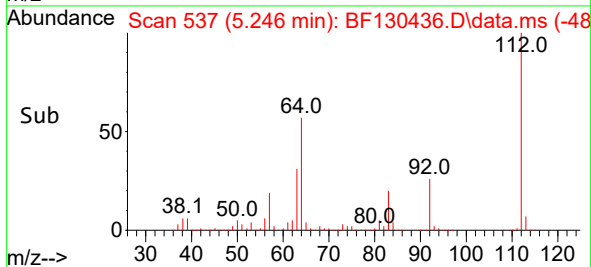
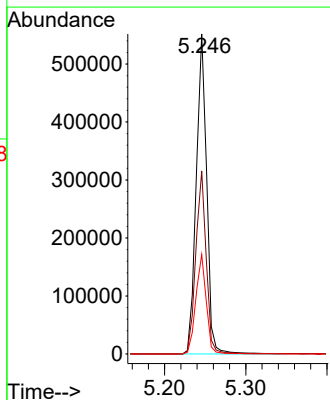
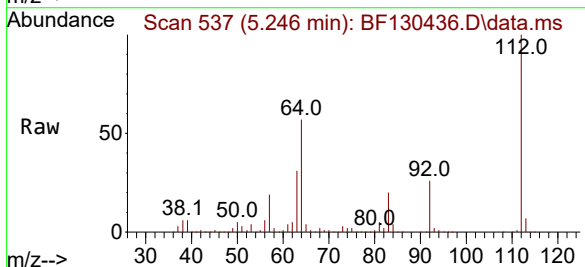
Instrument :
 BNA_F
 ClientSampleId :
 RB20515

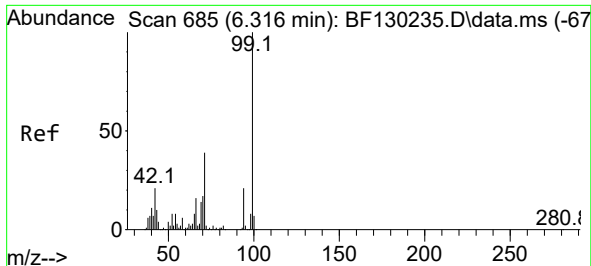
Tgt Ion:152 Resp: 82140
 Ion Ratio Lower Upper
 152 100
 150 162.0 122.8 184.2
 115 62.5 53.8 80.8



#5
 2-Fluorophenol
 Concen: 104.825 ng
 RT: 5.246 min Scan# 537
 Delta R.T. 0.000 min
 Lab File: BF130436.D
 Acq: 27 Sep 2022 21:31

Tgt Ion:112 Resp: 496425
 Ion Ratio Lower Upper
 112 100
 64 57.2 51.4 77.0
 63 31.1 28.8 43.2

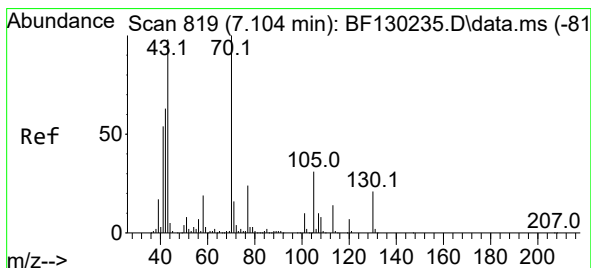
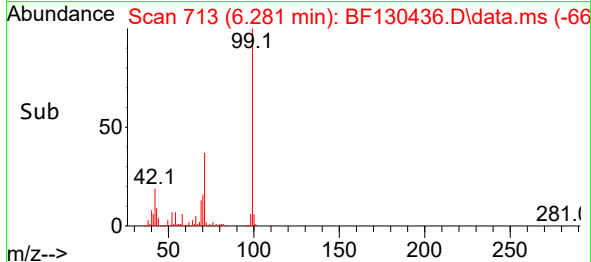
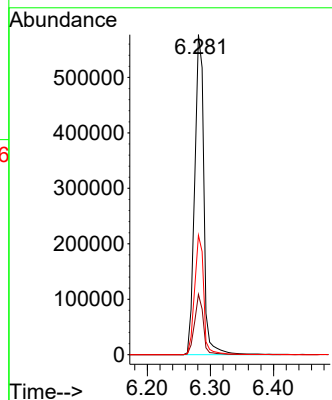
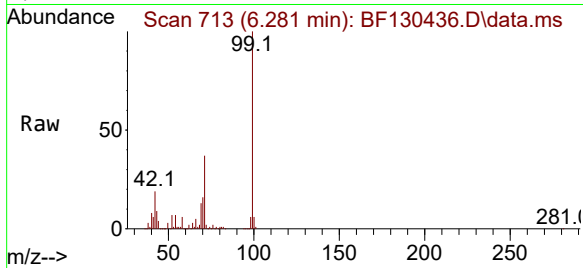




#7
Phenol-d6
Concen: 98.540 ng
RT: 6.281 min Scan# 713
Delta R.T. -0.011 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

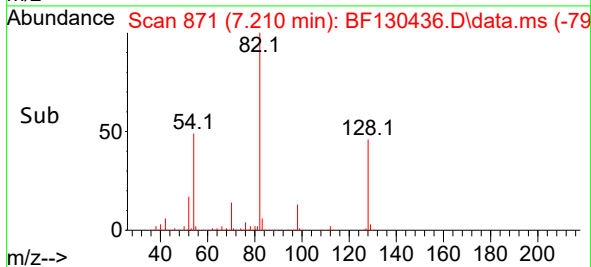
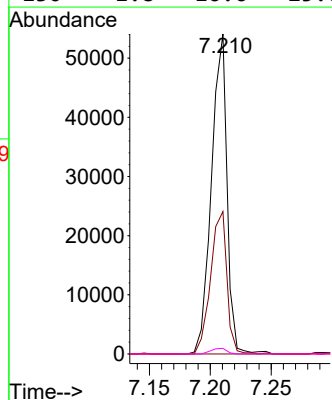
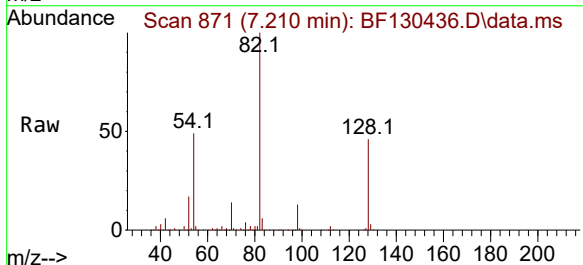
Instrument :
BNA_F
ClientSampleId :
RB20515

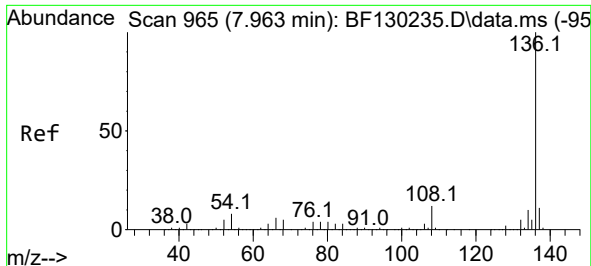
Tgt Ion: 99 Resp: 583903
Ion Ratio Lower Upper
99 100
42 18.9 17.0 25.6
71 37.3 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.988 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

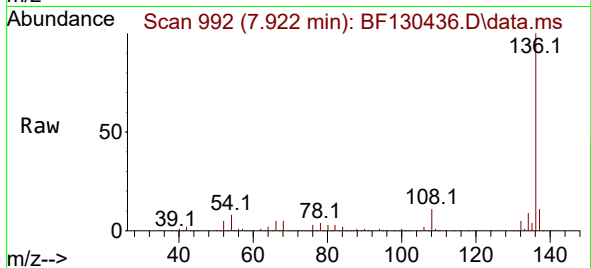
Tgt Ion: 70 Resp: 47932
Ion Ratio Lower Upper
70 100
42 44.5 50.8 76.2#
101 0.0 8.2 12.4#
130 1.8 16.6 25.0#



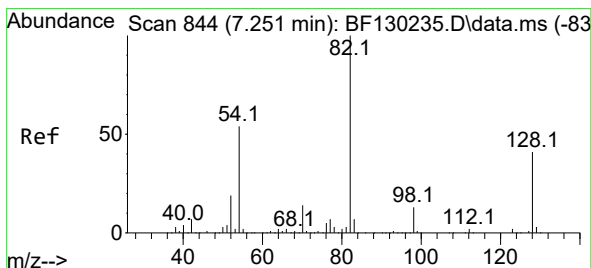
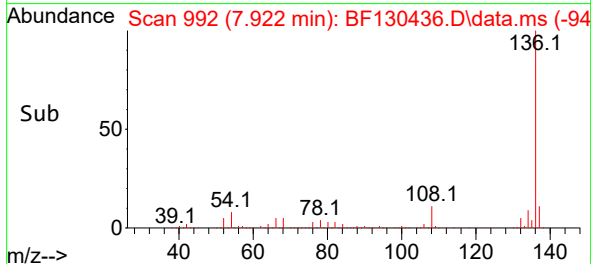
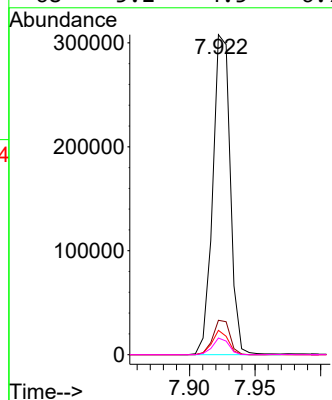


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Instrument :
BNA_F
ClientSampleId :
RB20515

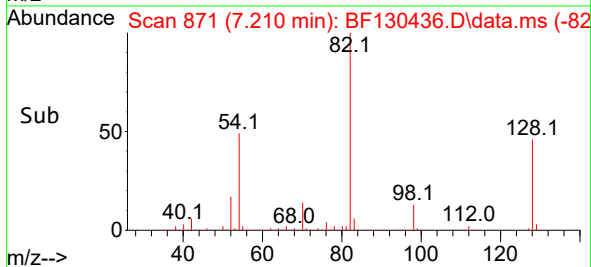
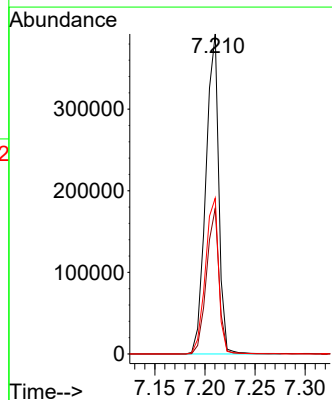
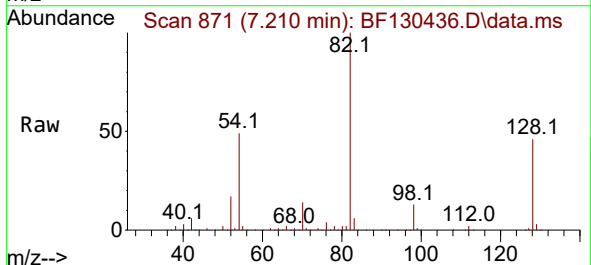


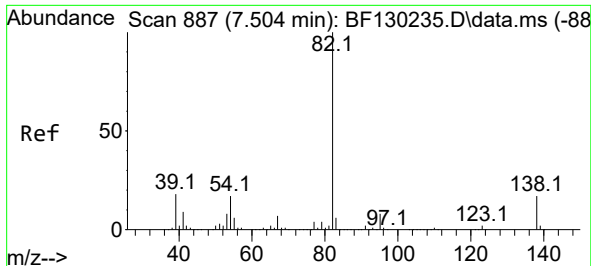
Tgt Ion:136 Resp: 285916
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.6 7.1 10.7
68 5.2 4.5 6.7



#23
Nitrobenzene-d5
Concen: 63.298 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Tgt Ion: 82 Resp: 354246
Ion Ratio Lower Upper
82 100
128 45.5 32.6 49.0
54 48.7 43.8 65.6

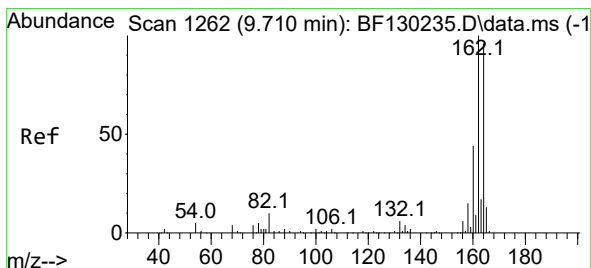
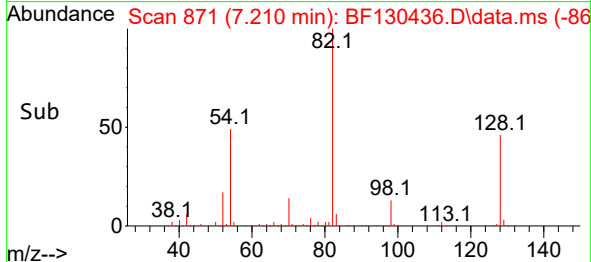
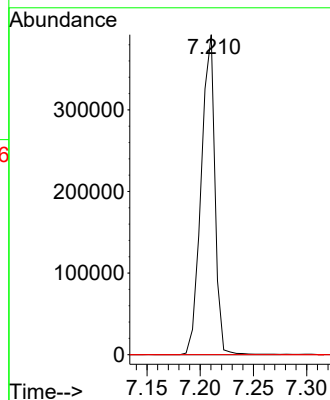
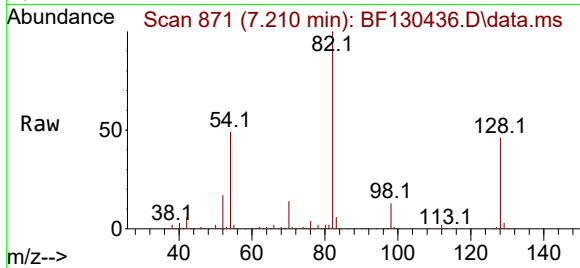




#25
Isophorone
Concen: 39.272 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

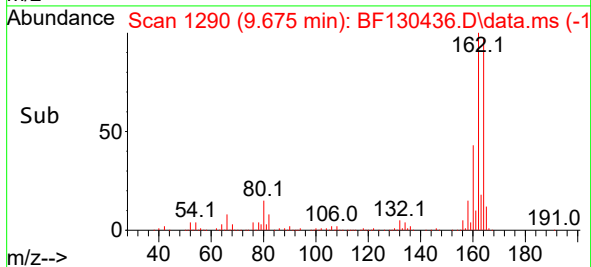
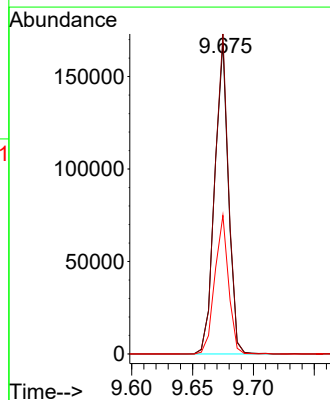
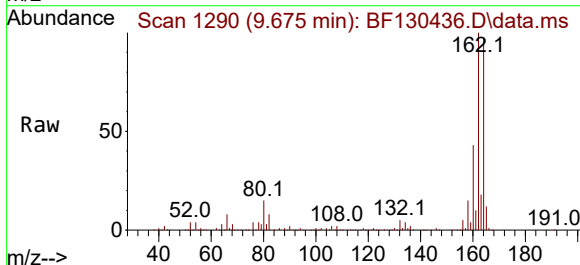
Instrument :
BNA_F
ClientSampleId :
RB20515

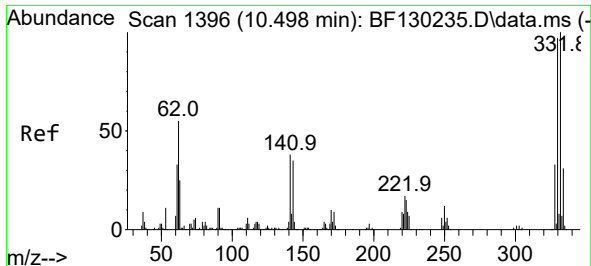
Tgt Ion: 82 Resp: 354242
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.675 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Tgt Ion:164 Resp: 132478
Ion Ratio Lower Upper
164 100
162 102.7 81.4 122.0
160 44.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 115.457 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

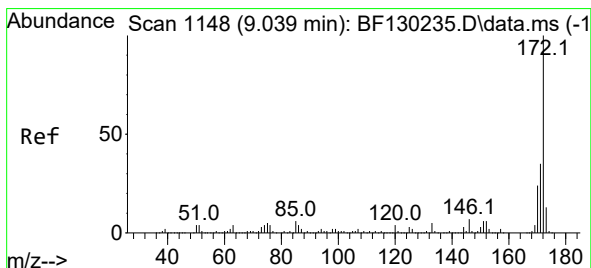
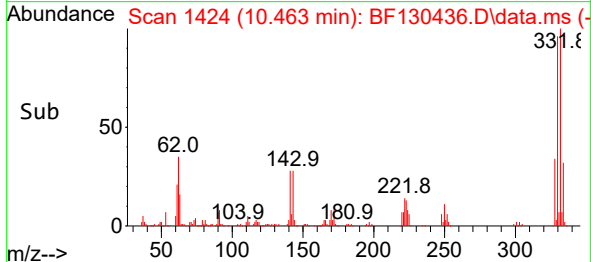
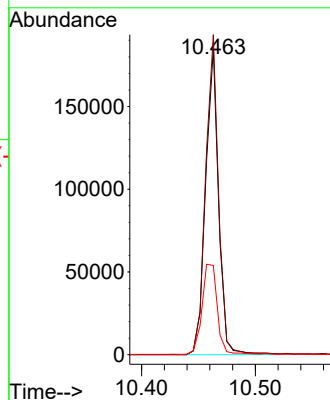
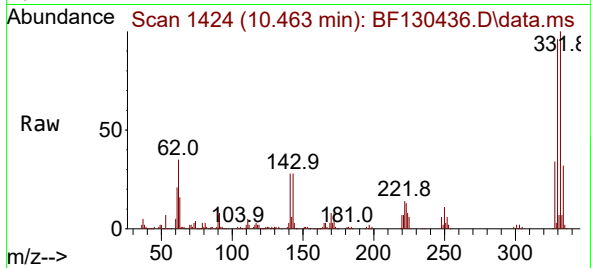
Tgt Ion:330 Resp: 146560

Ion Ratio Lower Upper

330 100

332 105.5 83.4 125.2

141 34.9 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 61.847 ng

RT: 9.004 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

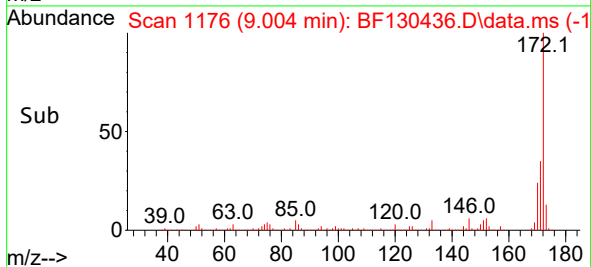
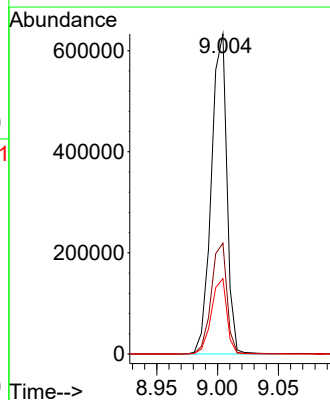
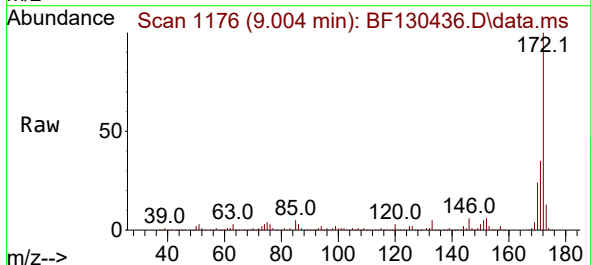
Tgt Ion:172 Resp: 562656

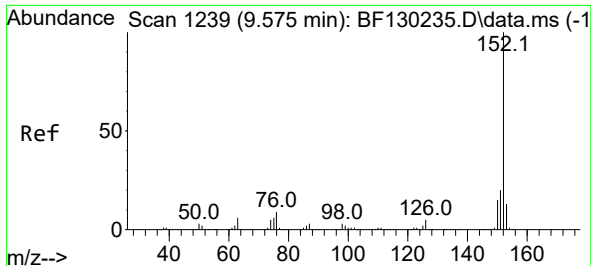
Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.6 18.7 28.1





#49

Acenaphthylene

Concen: 2.242 ng

RT: 9.534 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

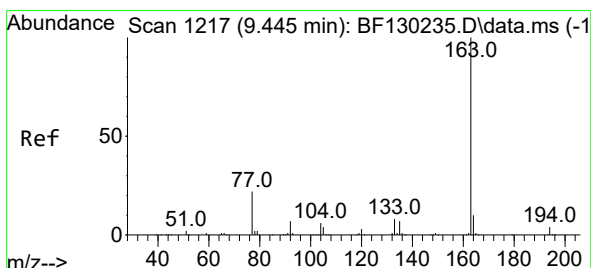
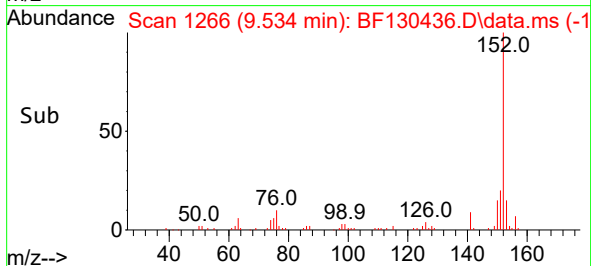
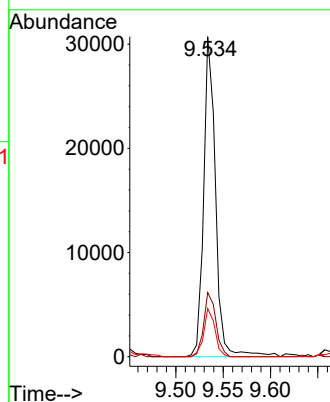
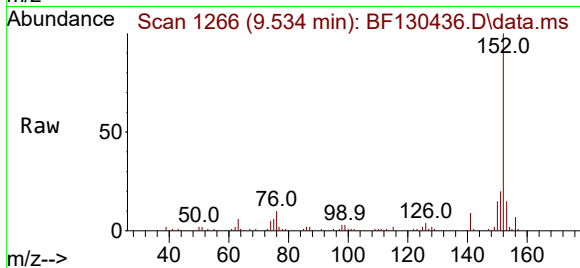
Tgt Ion:152 Resp: 26901

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 15.0 10.6 15.8



#50

Dimethylphthalate

Concen: 2.785 ng

RT: 9.675 min Scan# 1290

Delta R.T. 0.259 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

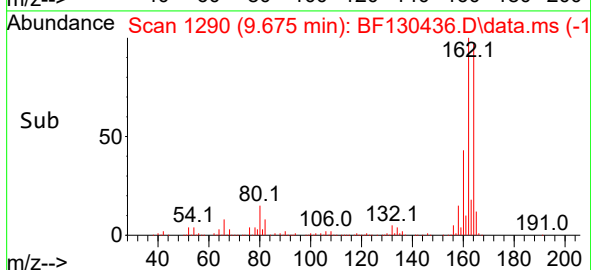
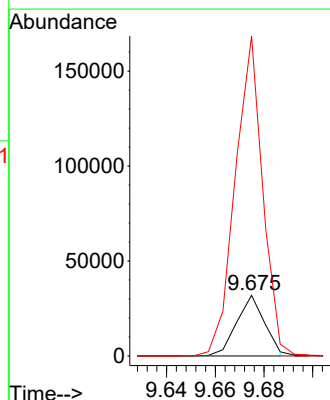
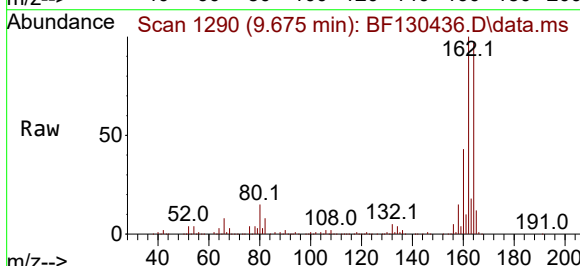
Tgt Ion:163 Resp: 25489

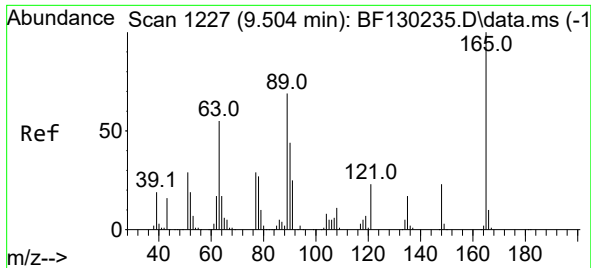
Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

164 527.0 8.2 12.2#

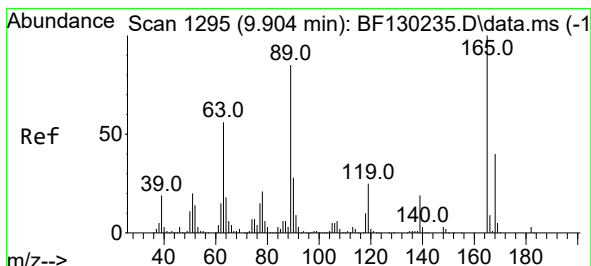
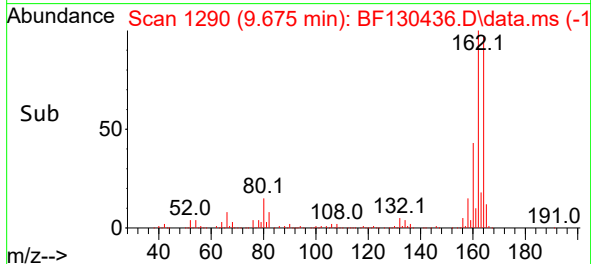
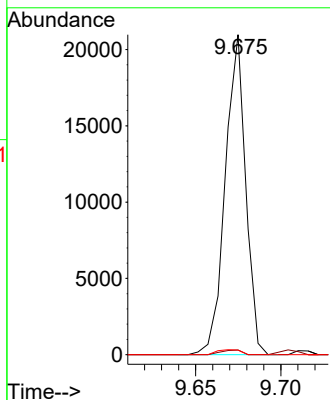
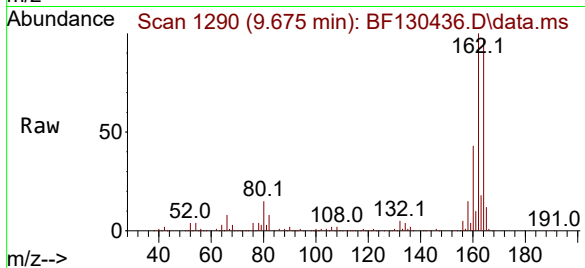




#51
2,6-Dinitrotoluene
Concen: 9.143 ng
RT: 9.675 min Scan# 1290
Delta R.T. 0.200 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

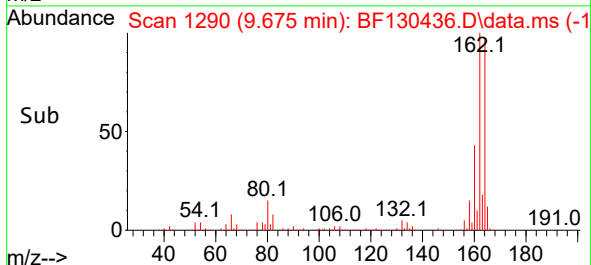
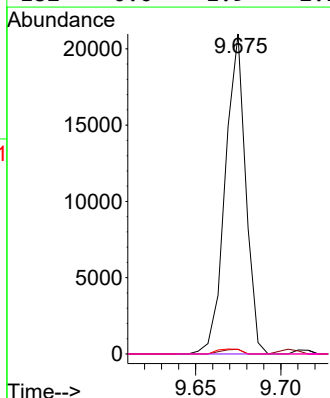
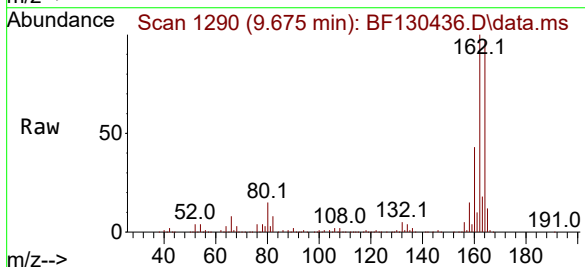
Instrument :
BNA_F
ClientSampleId :
RB20515

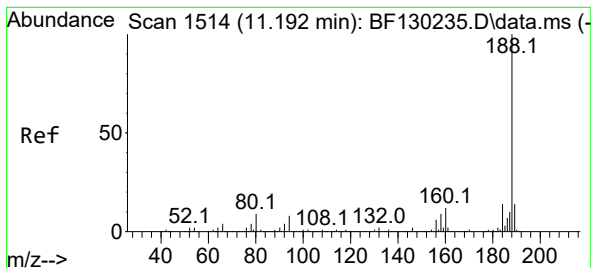
Tgt Ion:165 Resp: 17499
Ion Ratio Lower Upper
165 100
63 1.5 58.8 88.2#
89 1.4 54.5 81.7#



#57
2,4-Dinitrotoluene
Concen: 7.154 ng
RT: 9.675 min Scan# 1290
Delta R.T. -0.200 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Tgt Ion:165 Resp: 17499
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.4 69.0 103.4#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

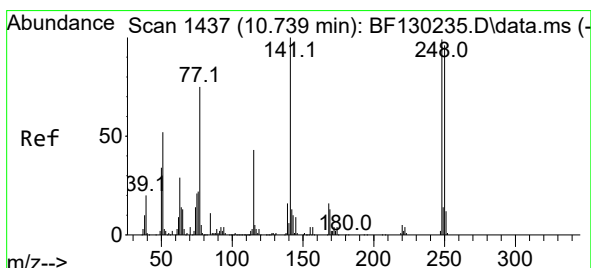
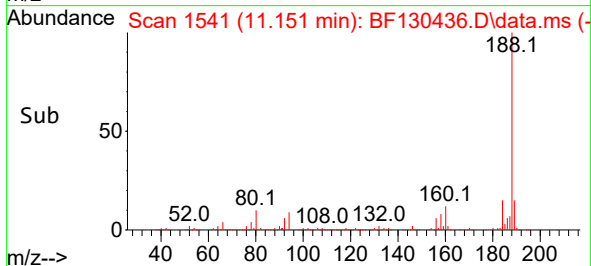
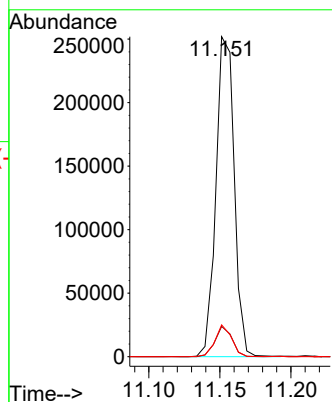
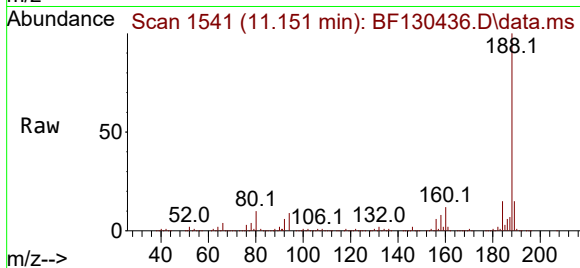
Tgt Ion:188 Resp: 225907

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

80 9.9 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.635 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.247 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

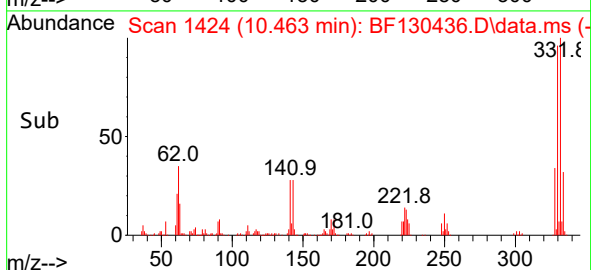
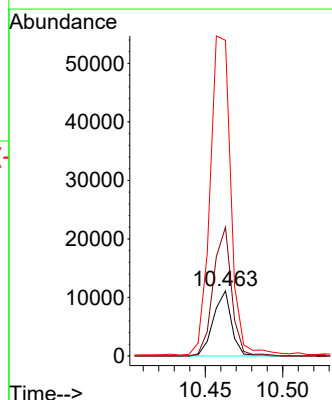
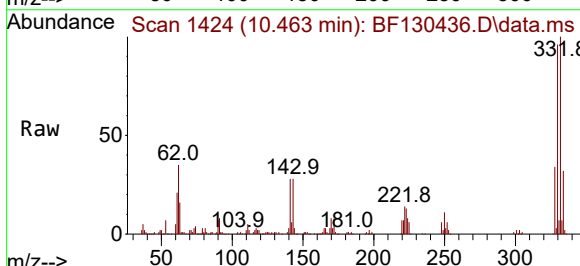
Tgt Ion:248 Resp: 9060

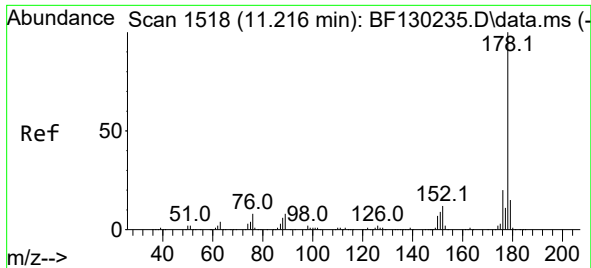
Ion Ratio Lower Upper

248 100

250 197.5 80.0 120.0#

141 484.4 68.5 102.7#

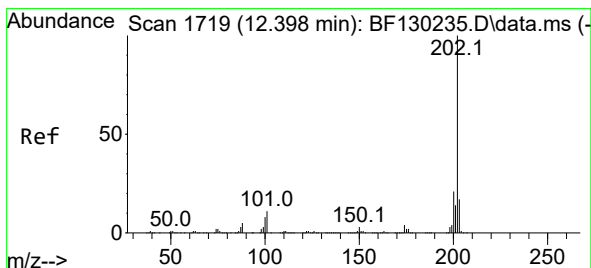
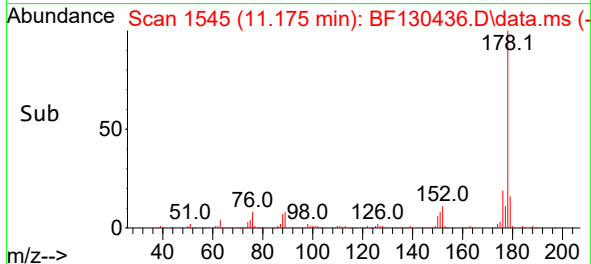
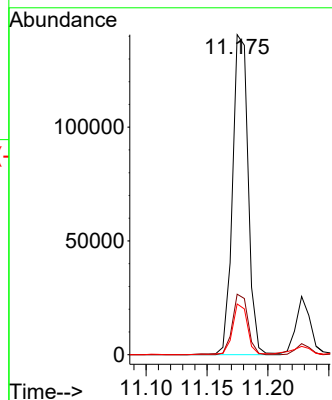
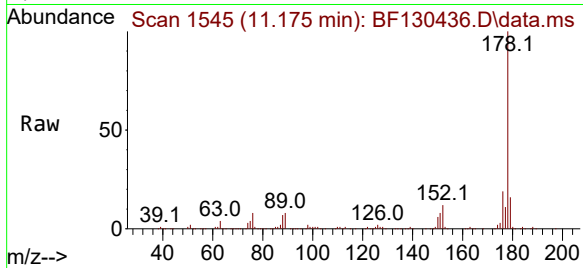




#71
Phenanthrene
Concen: 9.909 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

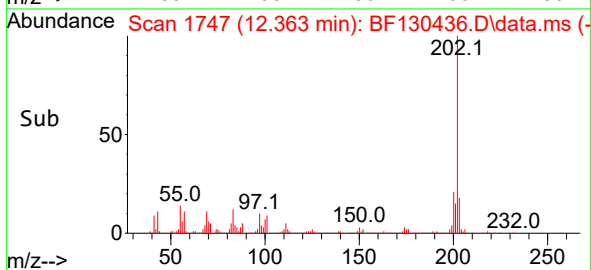
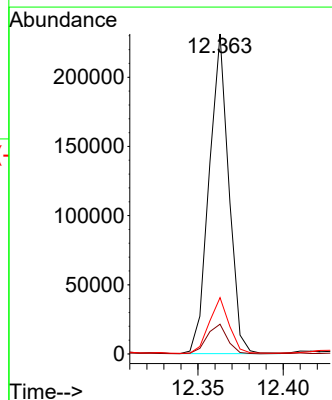
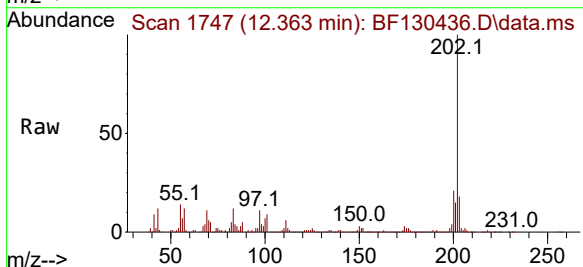
Instrument :
BNA_F
ClientSampleId :
RB20515

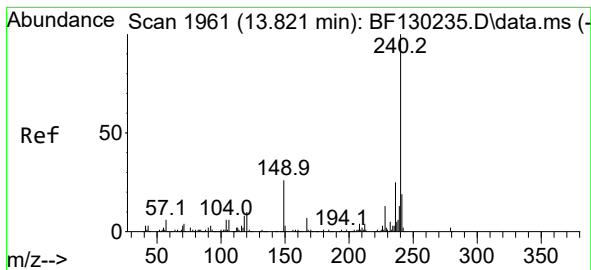
Tgt Ion:178 Resp: 125679
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.9 12.4 18.6



#75
Fluoranthene
Concen: 15.101 ng
RT: 12.363 min Scan# 1747
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Tgt Ion:202 Resp: 185077
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.8
203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.786 min Scan# 1961

Delta R.T. -0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

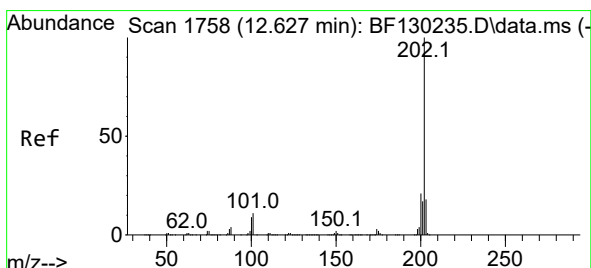
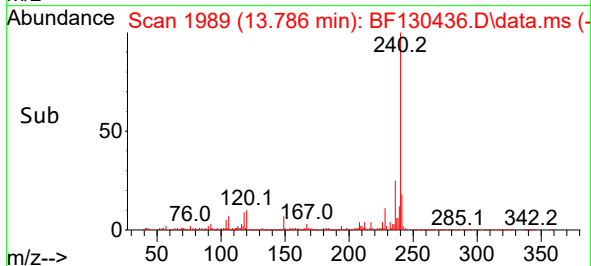
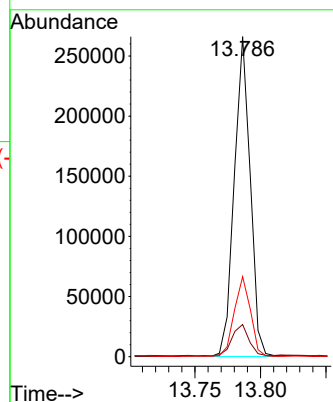
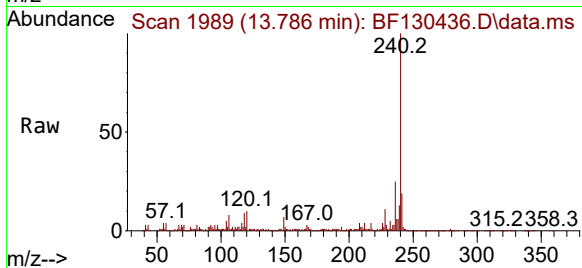
Tgt Ion:240 Resp: 225000

Ion Ratio Lower Upper

240 100

120 10.1 8.7 13.1

236 25.0 20.9 31.3



#78

Pyrene

Concen: 12.798 ng

RT: 12.592 min Scan# 1786

Delta R.T. 0.000 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

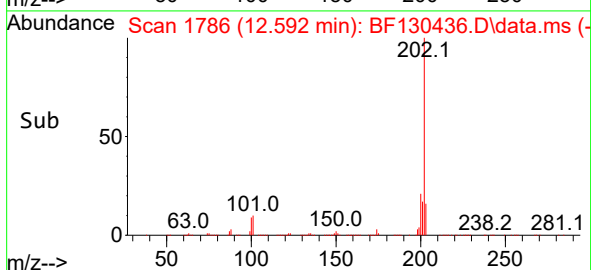
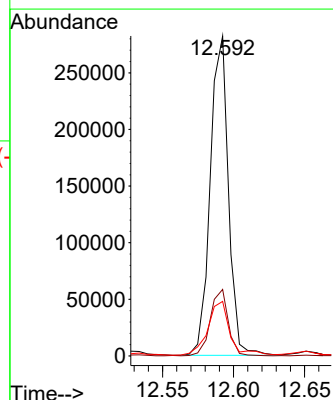
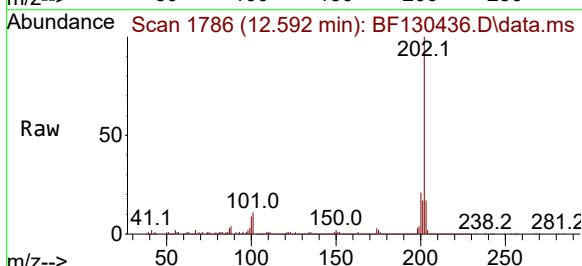
Tgt Ion:202 Resp: 251899

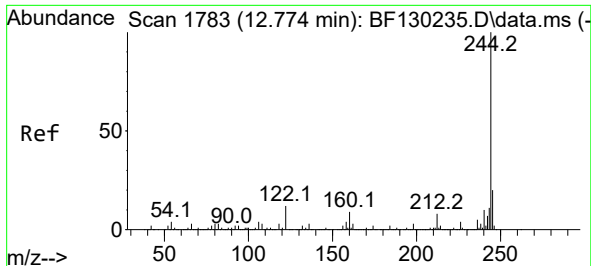
Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 17.1 14.3 21.5

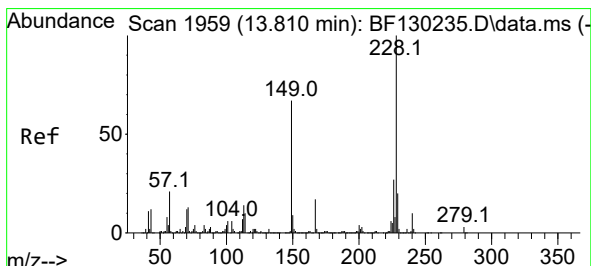
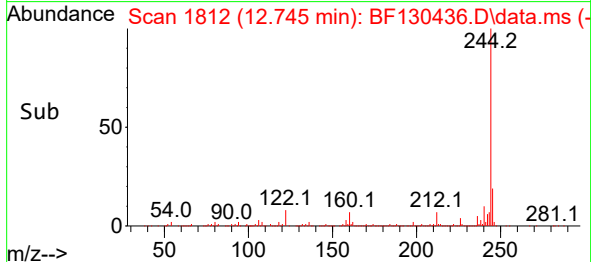
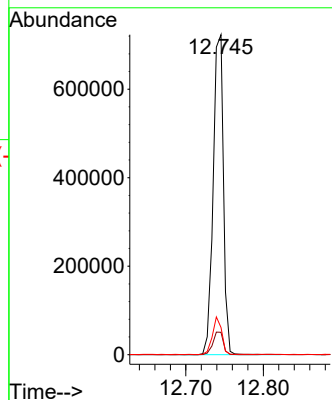
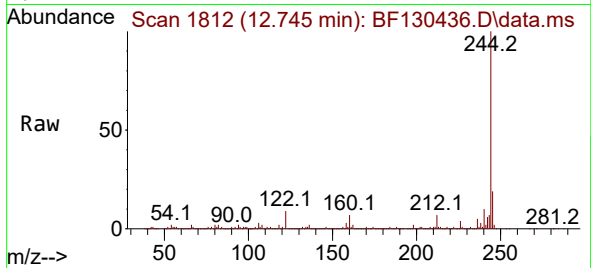




#79
 Terphenyl-d14
 Concen: 48.842 ng
 RT: 12.745 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: BF130436.D
 Acq: 27 Sep 2022 21:31

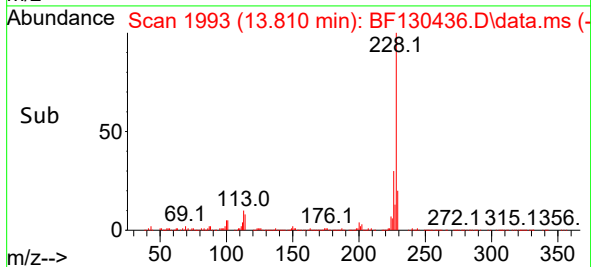
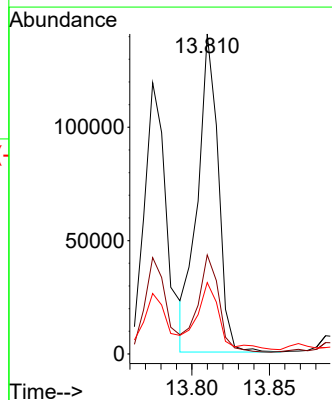
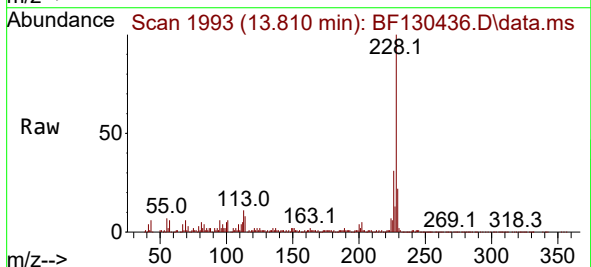
Instrument :
 BNA_F
 ClientSampleId :
 RB20515

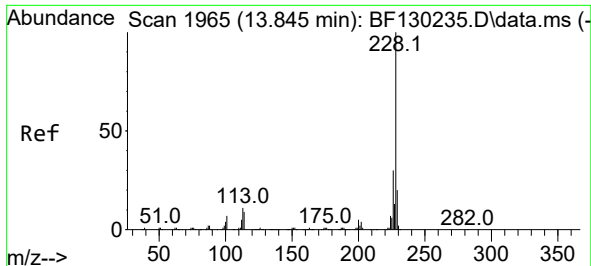
Tgt Ion:244 Resp: 663424
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 8.5 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 8.710 ng
 RT: 13.810 min Scan# 1993
 Delta R.T. 0.030 min
 Lab File: BF130436.D
 Acq: 27 Sep 2022 21:31

Tgt Ion:228 Resp: 130368
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.9 32.9
 229 22.3 16.1 24.1

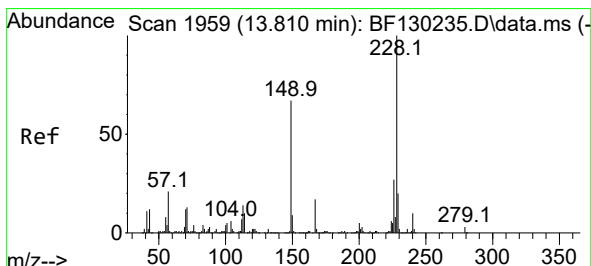
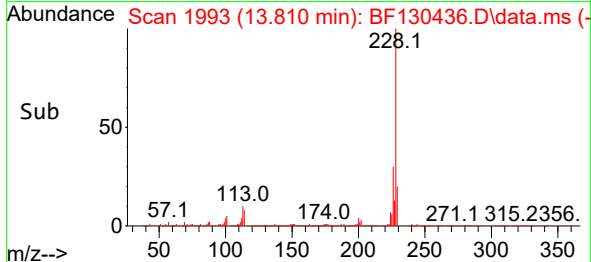
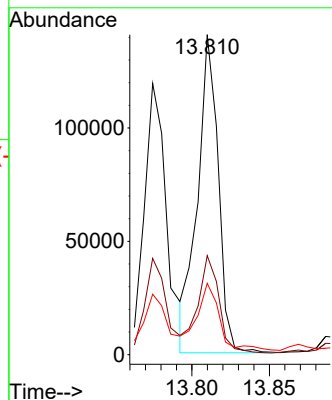
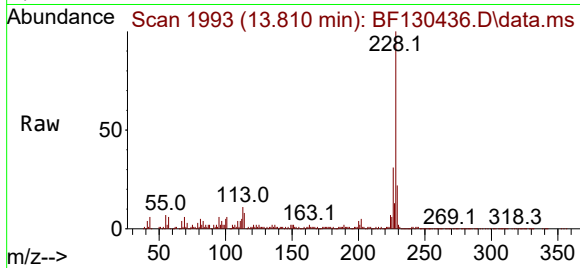




#83
Chrysene
Concen: 9.173 ng
RT: 13.810 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

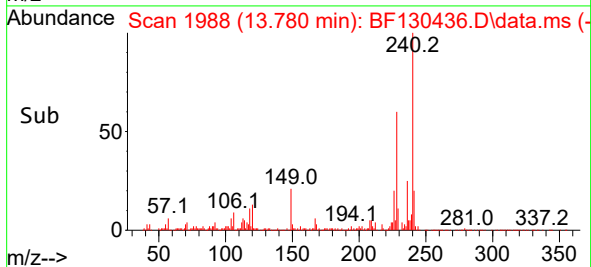
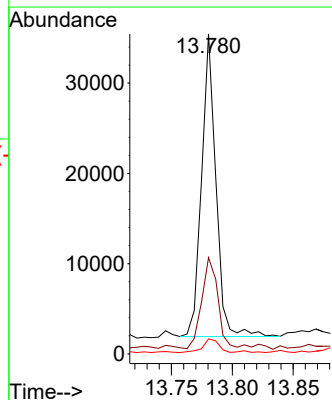
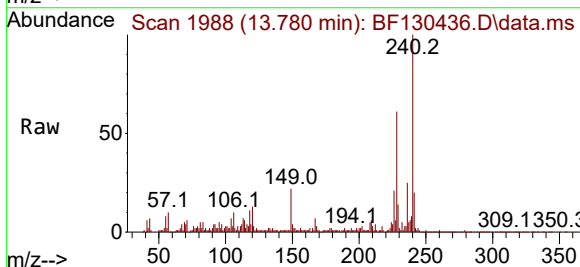
Instrument :
BNA_F
ClientSampleId :
RB20515

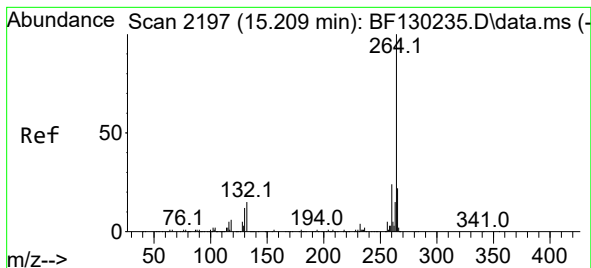
Tgt Ion:228 Resp: 130368
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.8
229 22.3 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.295 ng
RT: 13.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Tgt Ion:149 Resp: 27522
Ion Ratio Lower Upper
149 100
167 30.1 20.5 30.7
279 4.7 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

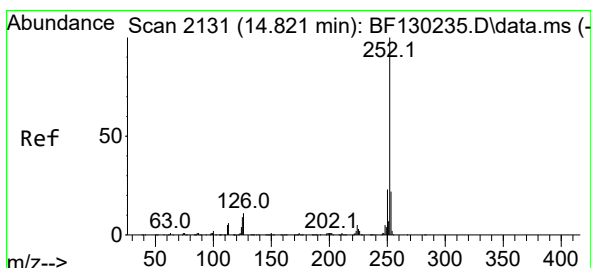
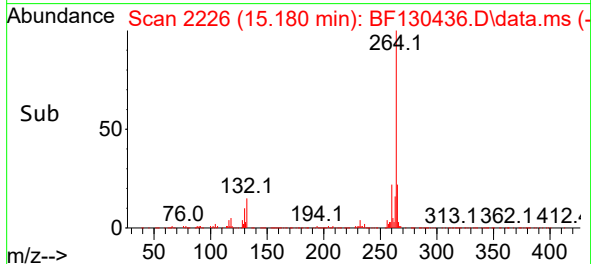
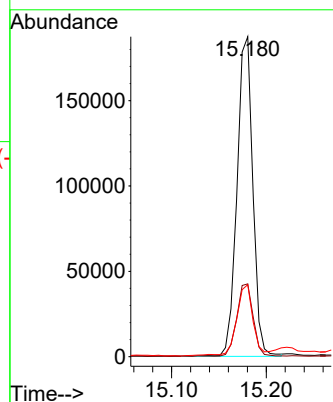
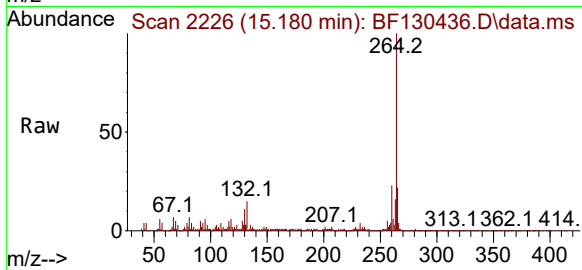
Tgt Ion:264 Resp: 216163

Ion Ratio Lower Upper

264 100

260 22.8 19.3 28.9

265 22.5 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 12.901 ng

RT: 14.786 min Scan# 2159

Delta R.T. 0.000 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

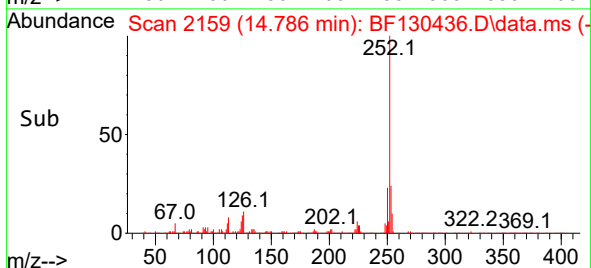
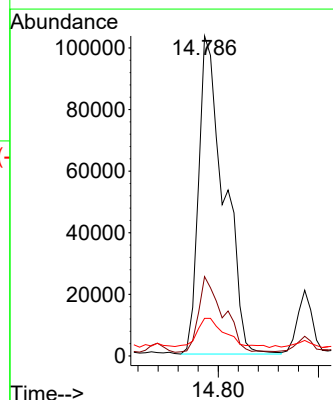
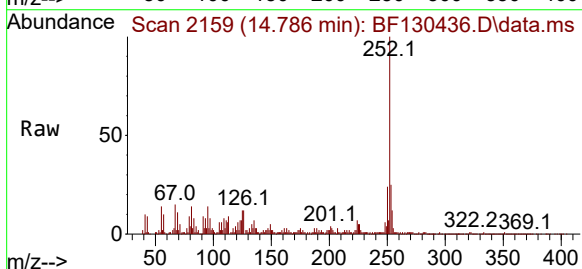
Tgt Ion:252 Resp: 182019

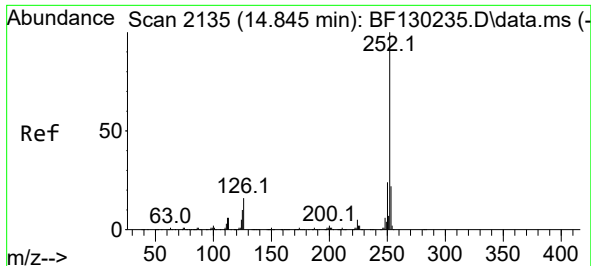
Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 11.7 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 13.115 ng

RT: 14.786 min Scan# 2115

Delta R.T. -0.029 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

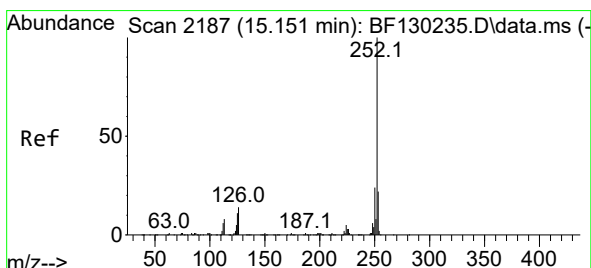
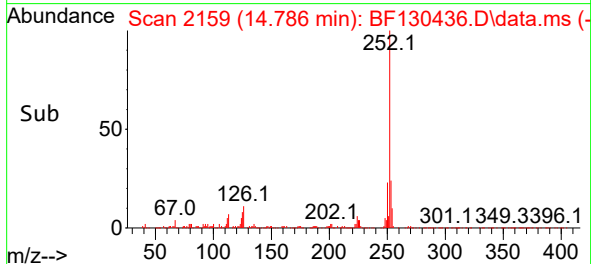
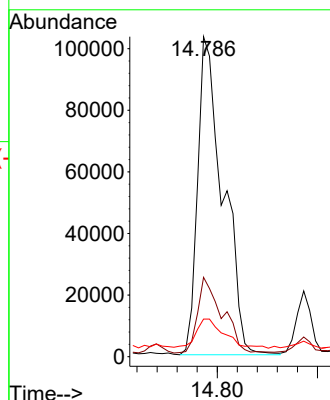
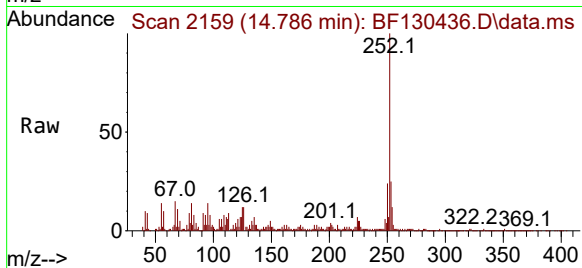
Tgt Ion:252 Resp: 182019

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.2

125 11.7 7.9 11.9



#90

Benzo(a)pyrene

Concen: 9.634 ng

RT: 15.116 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

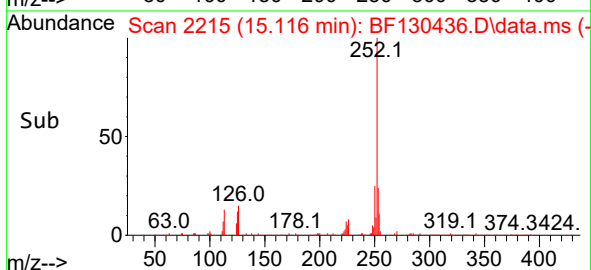
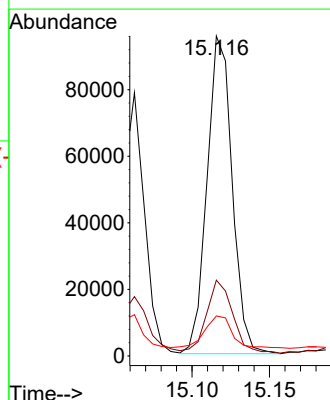
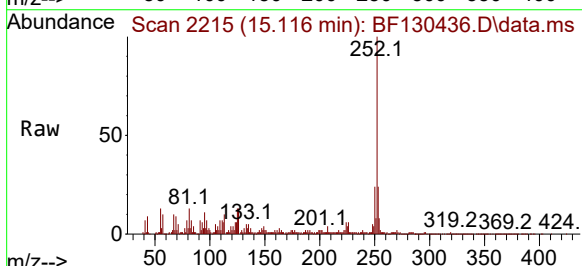
Tgt Ion:252 Resp: 107689

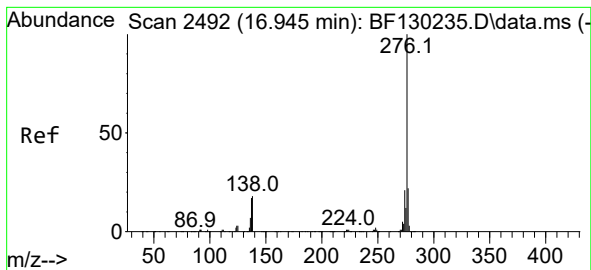
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 12.5 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 4.604 ng

RT: 16.886 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130436.D

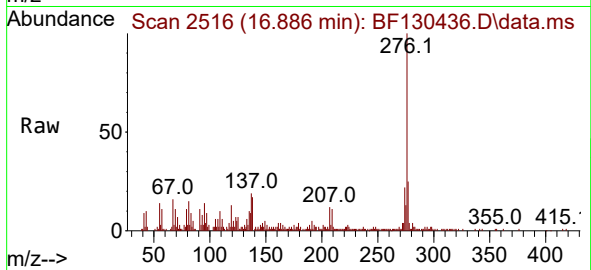
Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515



Tgt Ion: 276 Resp: 58322

Ion Ratio Lower Upper

276 100

277 24.9 18.6 27.8

138 16.7 14.6 21.8

