

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130868.D
 Acq On : 29 Oct 2022 20:50
 Operator : CG\JU
 Sample : N5307-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-102622

Quant Time: Oct 30 23:27:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

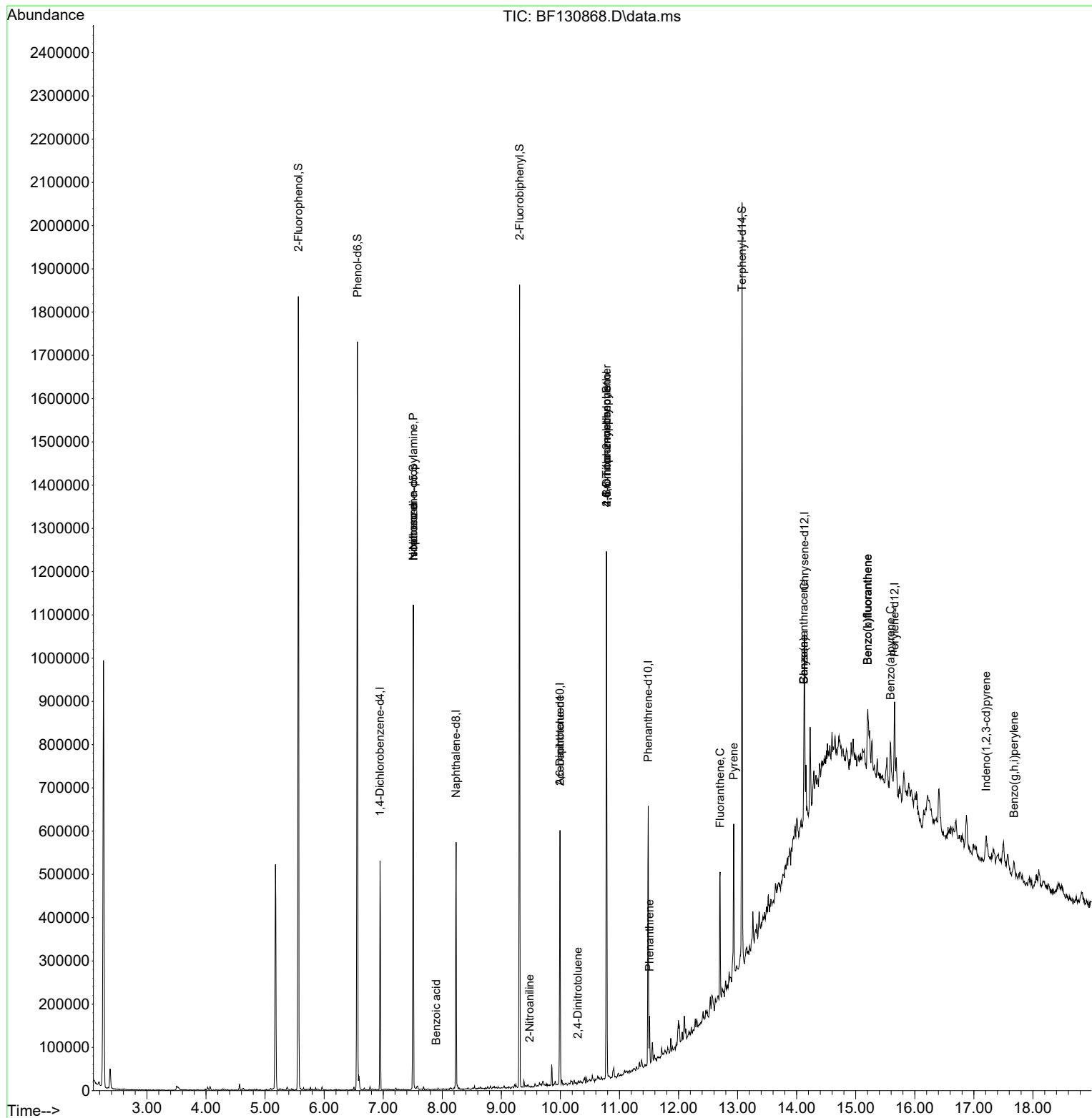
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	65548	20.000	ng	0.00
21) Naphthalene-d8	8.234	136	215355	20.000	ng	# 0.00
39) Acenaphthene-d10	9.992	164	102722	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	195065	20.000	ng	0.00
76) Chrysene-d12	14.133	240	123861	20.000	ng	# 0.00
86) Perylene-d12	15.657	264	89752	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	438050	115.855	ng	0.00
7) Phenol-d6	6.563	99	514215	104.655	ng	0.00
23) Nitrobenzene-d5	7.510	82	306635	85.857	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	115232	133.261	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	515954	75.939	ng	0.00
79) Terphenyl-d14	13.075	244	537084	79.459	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.510	70	43288	12.949	ng	# 77
25) Isophorone	7.510	82	305783	41.519	ng	# 66
32) Benzoic acid	7.898	122	68	7.706	ng	# 35
48) 2-Nitroaniline	9.481	65	66	4.179	ng	# 12
51) 2,6-Dinitrotoluene	9.992	165	13370	12.178	ng	# 15
57) 2,4-Dinitrotoluene	10.292	165	513	3.987	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.781	198	325	8.261	ng	# 1
67) 4-Bromophenyl-phenylether	10.781	248	7563	3.855	ng	# 1
71) Phenanthrene	11.510	178	38837	3.857	ng	97
75) Fluoranthene	12.704	202	120626	11.277	ng	98
78) Pyrene	12.933	202	122549	11.727	ng	100
81) Benzo(a)anthracene	14.121	228	59857	7.289	ng	92
83) Chrysene	14.121	228	59857	7.557	ng	96
87) Indeno(1,2,3-cd)pyrene	17.210	276	28685	4.813	ng	96
88) Benzo(b)fluoranthene	15.204	252	85251	14.694	ng	# 76
89) Benzo(k)fluoranthene	15.204	252	85251	15.079	ng	# 77
90) Benzo(a)pyrene	15.592	252	45450	9.745	ng	# 81
92) Benzo(g,h,i)perylene	17.680	276	30324	6.117	ng	# 86

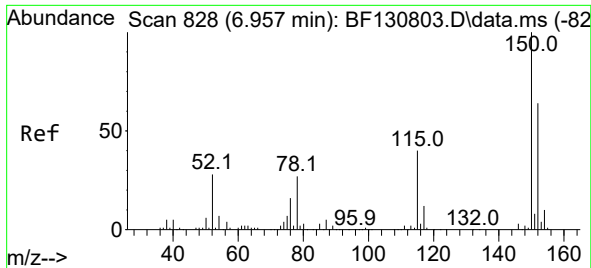
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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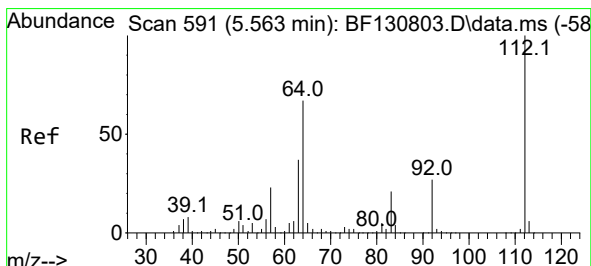
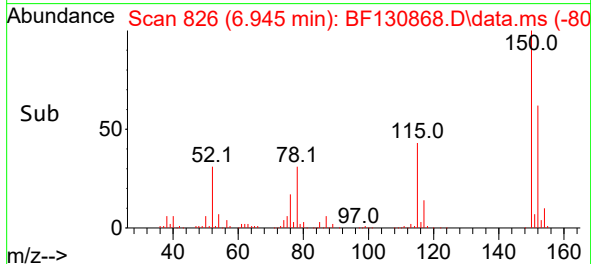
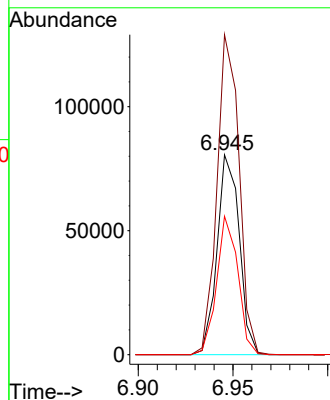
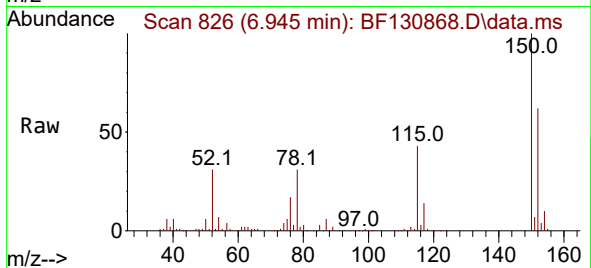




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.945 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF130868.D
 Acq: 29 Oct 2022 20:50

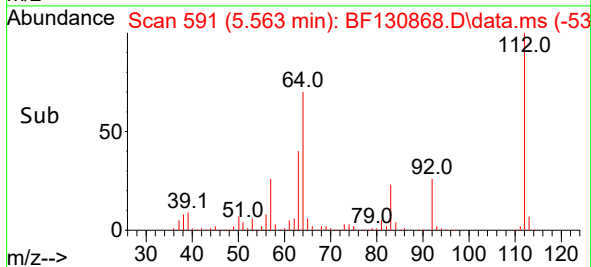
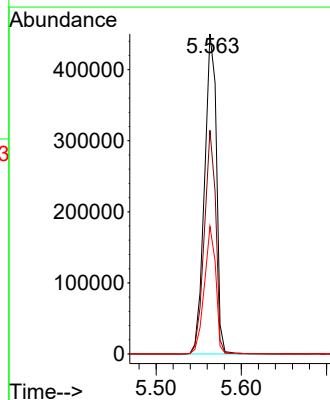
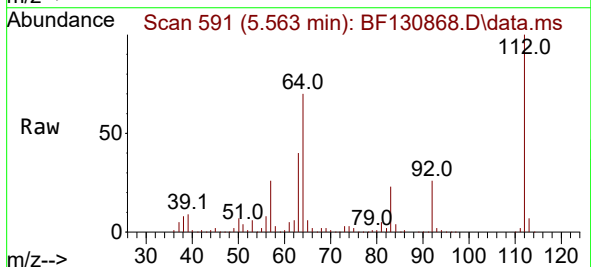
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-102622

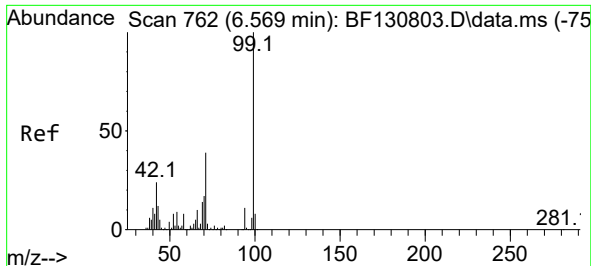
Tgt Ion:152 Resp: 65548
 Ion Ratio Lower Upper
 152 100
 150 160.1 124.1 186.1
 115 69.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 115.855 ng
 RT: 5.563 min Scan# 591
 Delta R.T. 0.006 min
 Lab File: BF130868.D
 Acq: 29 Oct 2022 20:50

Tgt Ion:112 Resp: 438050
 Ion Ratio Lower Upper
 112 100
 64 69.9 53.9 80.9
 63 39.9 29.4 44.2

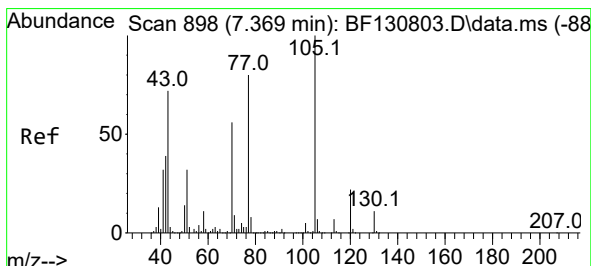
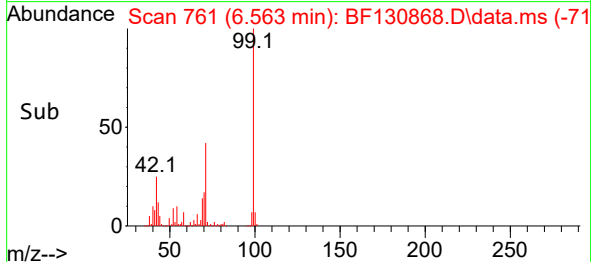
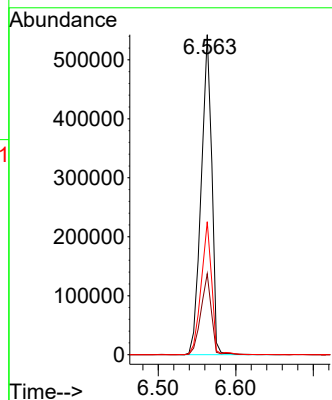
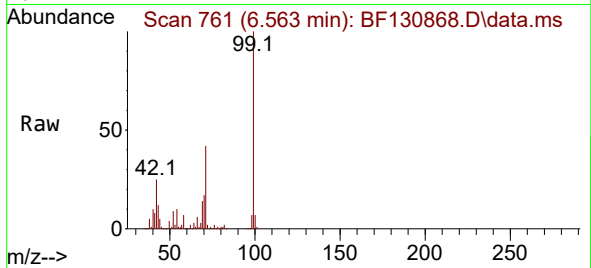




#7
Phenol-d6
Concen: 104.655 ng
RT: 6.563 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

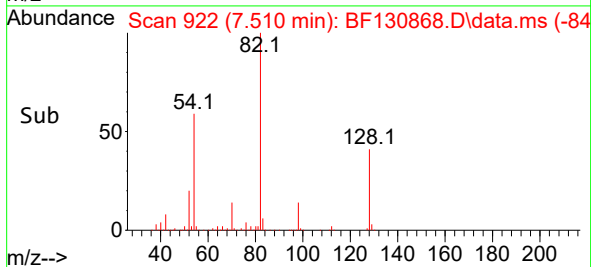
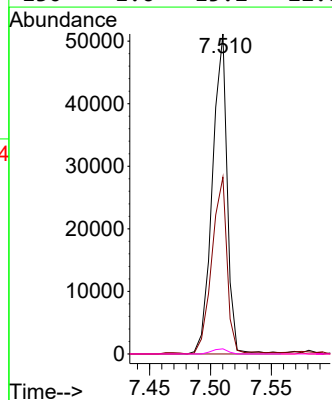
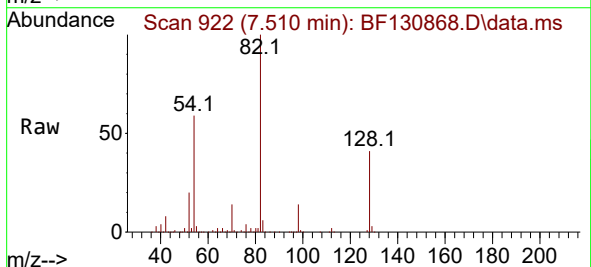
Instrument :
BNA_F
ClientSampleId :
CL-02-102622

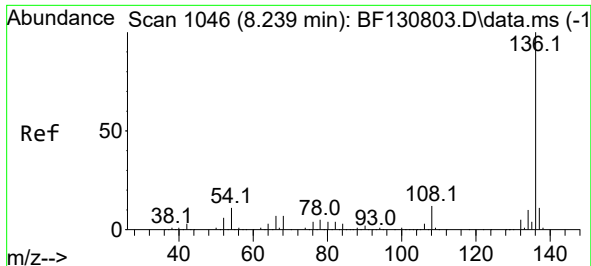
Tgt Ion: 99 Resp: 514215
Ion Ratio Lower Upper
99 100
42 25.3 18.8 28.2
71 41.5 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.949 ng
RT: 7.510 min Scan# 922
Delta R.T. 0.147 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

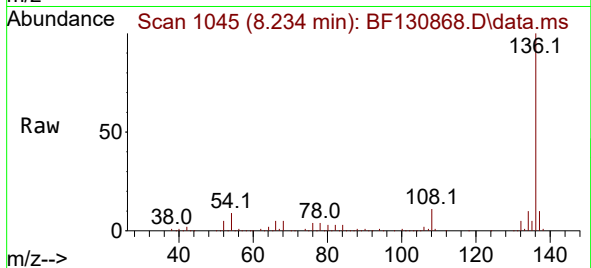
Tgt Ion: 70 Resp: 43288
Ion Ratio Lower Upper
70 100
42 55.2 56.1 84.1#
101 0.0 7.3 10.9#
130 1.6 15.2 22.8#



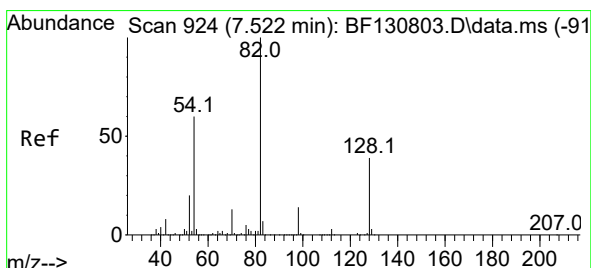
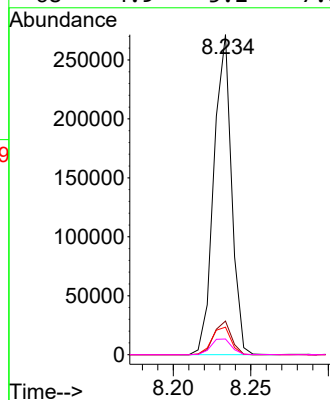
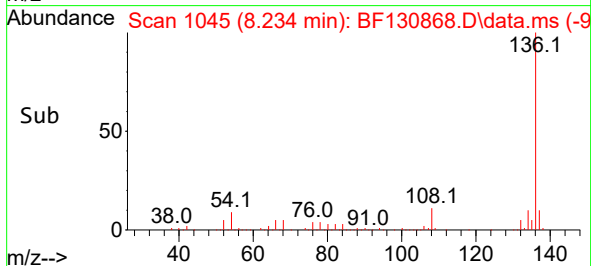


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

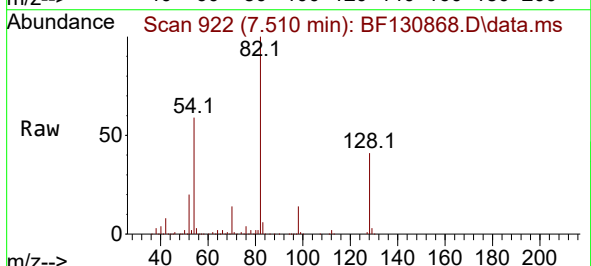
Instrument :
BNA_F
ClientSampleId :
CL-02-102622



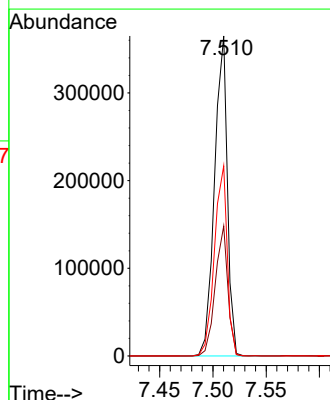
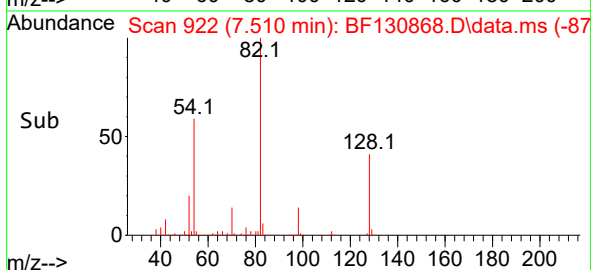
Tgt Ion:136 Resp: 215355
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 8.6 8.8 13.2#
68 4.9 5.2 7.8#

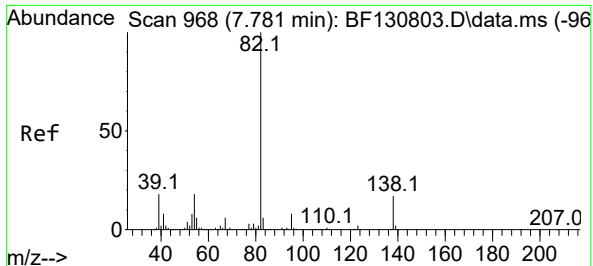


#23
Nitrobenzene-d5
Concen: 85.857 ng
RT: 7.510 min Scan# 922
Delta R.T. -0.006 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50



Tgt Ion: 82 Resp: 306635
Ion Ratio Lower Upper
82 100
128 40.6 31.2 46.8
54 59.4 48.0 72.0

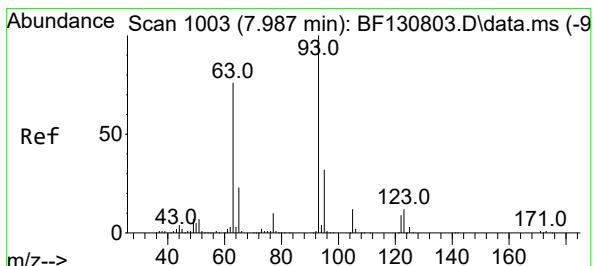
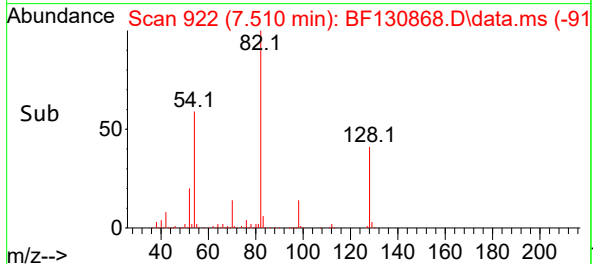
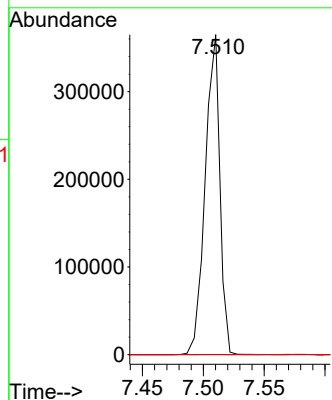
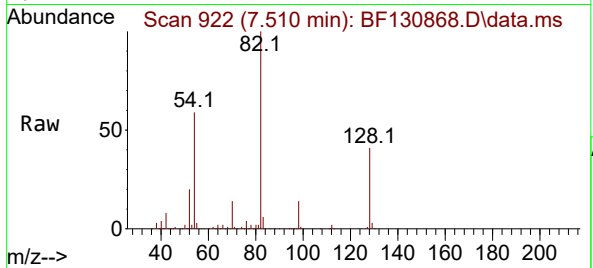




#25
Isophorone
Concen: 41.519 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

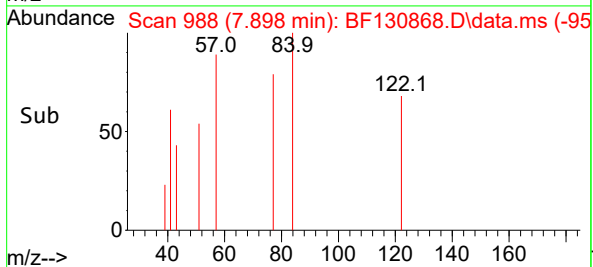
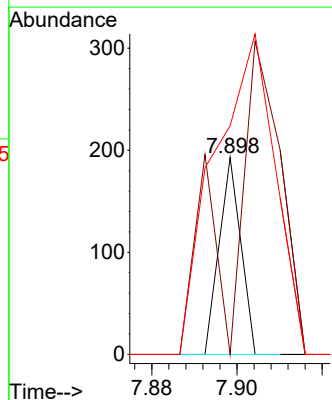
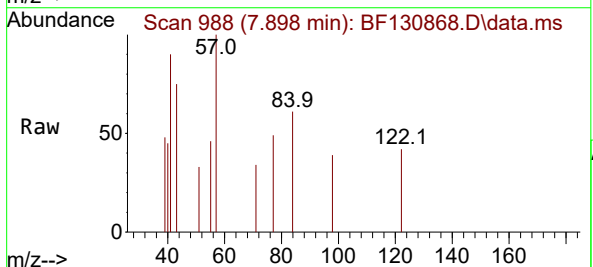
Instrument :
BNA_F
ClientSampleId :
CL-02-102622

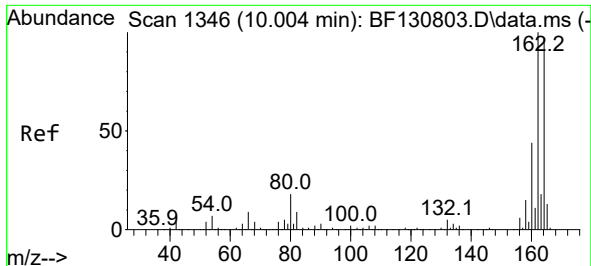
Tgt Ion: 82 Resp: 305783
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.706 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.088 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

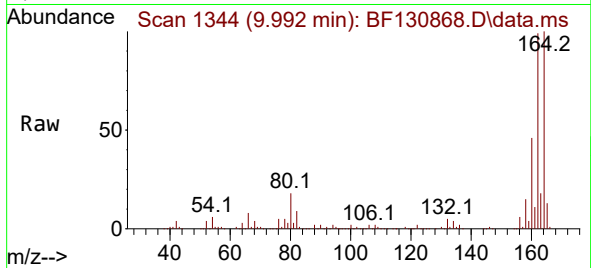
Tgt Ion: 122 Resp: 68
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 116.1 89.8 129.8



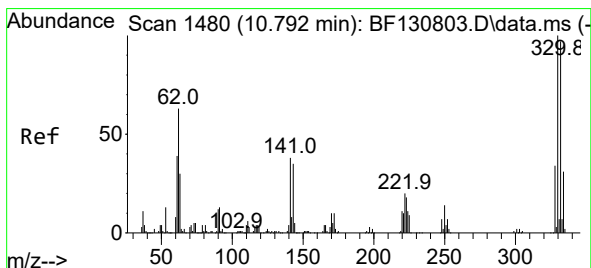
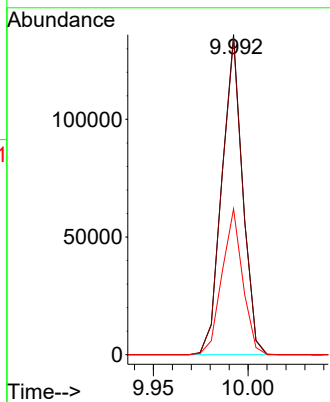
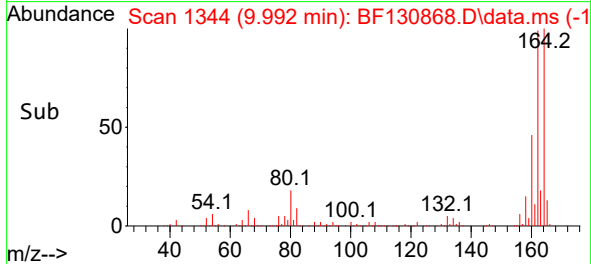


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

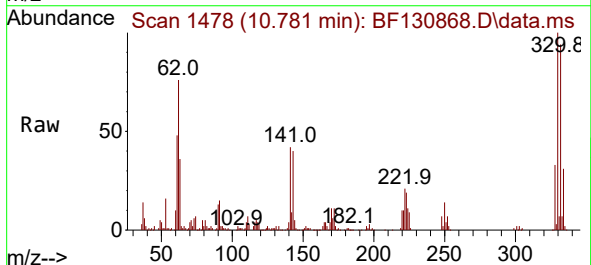
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BNA_F
ClientSampleId :
CL-02-102622



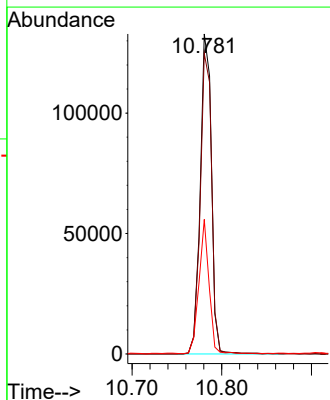
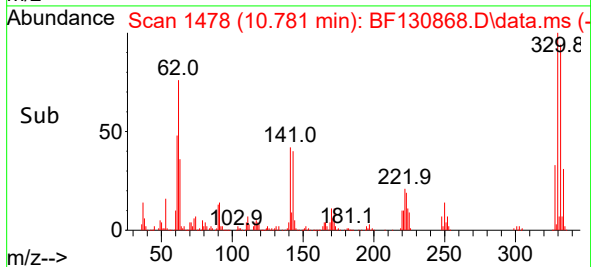
Tgt Ion:164 Resp: 102722
Ion Ratio Lower Upper
164 100
162 98.8 82.2 123.2
160 45.5 36.6 54.8

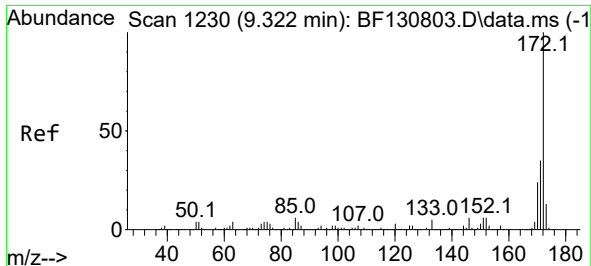


#42
2,4,6-Tribromophenol
Concen: 133.261 ng
RT: 10.781 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50



Tgt Ion:330 Resp: 115232
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 37.8 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 75.939 ng

RT: 9.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

Instrument :

BNA_F

ClientSampleId :

CL-02-102622

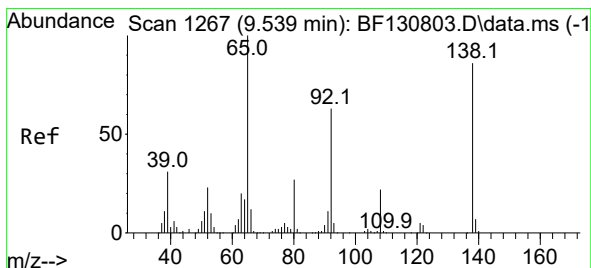
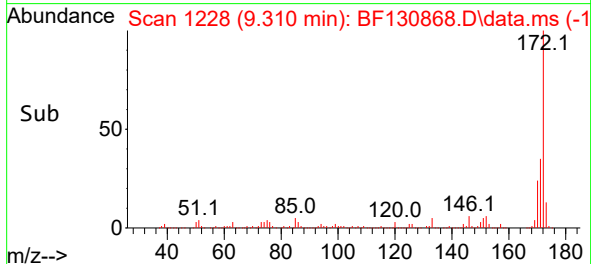
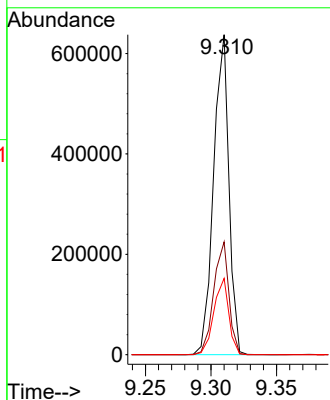
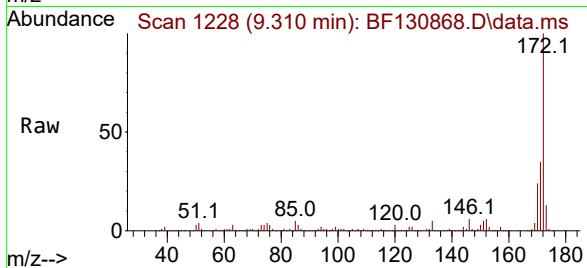
Tgt Ion:172 Resp: 515954

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.9 19.0 28.4



#48

2-Nitroaniline

Concen: 4.179 ng

RT: 9.481 min Scan# 1257

Delta R.T. -0.053 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

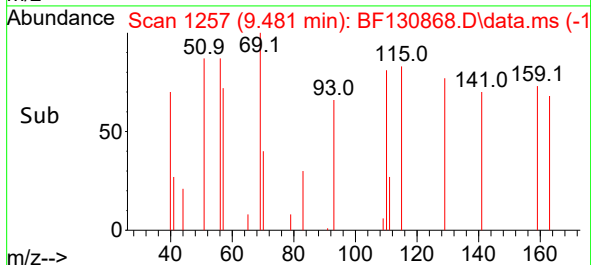
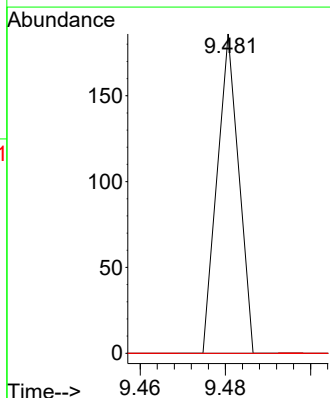
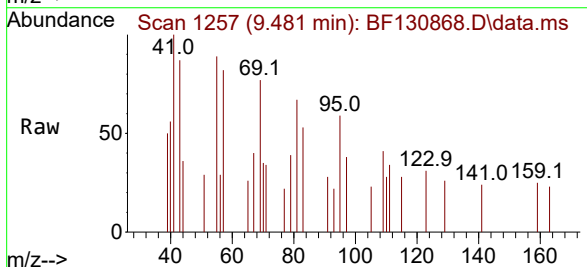
Tgt Ion: 65 Resp: 66

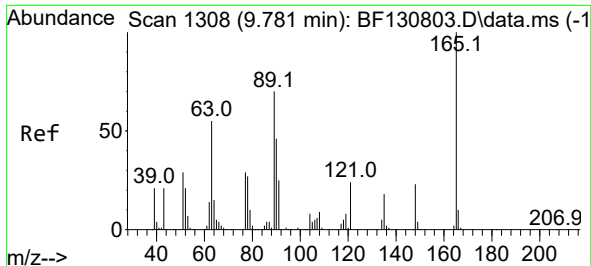
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

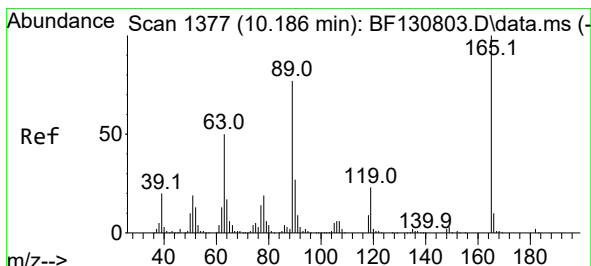
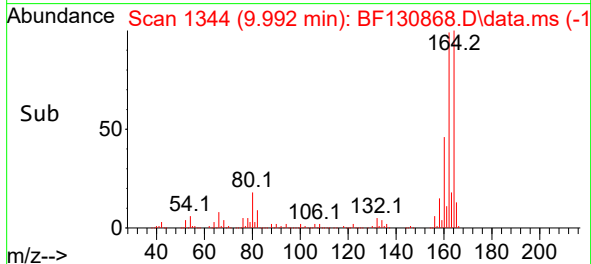
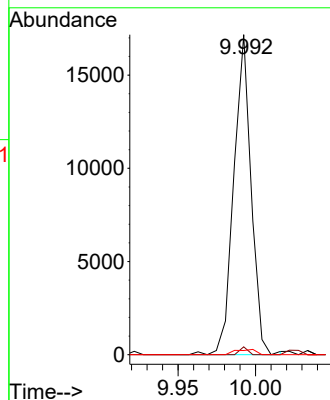
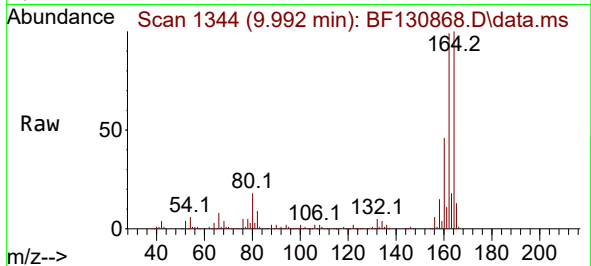




#51
2,6-Dinitrotoluene
Concen: 12.178 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

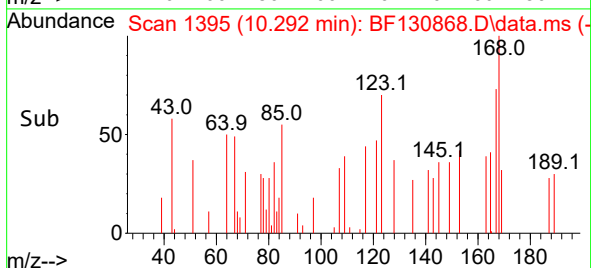
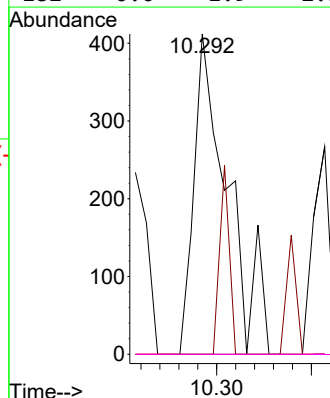
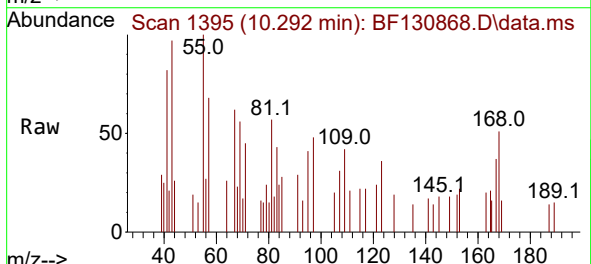
Instrument :
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CL-02-102622

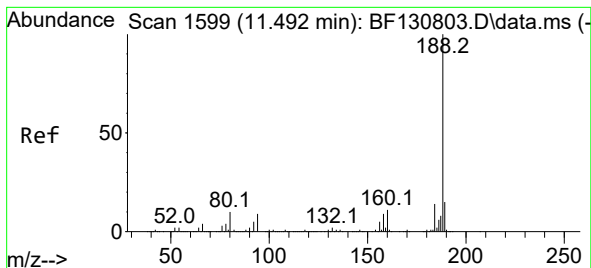
Tgt Ion:165 Resp: 13370
Ion Ratio Lower Upper
165 100
63 2.5 61.8 92.8#
89 1.3 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 3.987 ng
RT: 10.292 min Scan# 1395
Delta R.T. 0.112 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

Tgt Ion:165 Resp: 513
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 61.9 92.9#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

Instrument :

BNA_F

ClientSampleId :

CL-02-102622

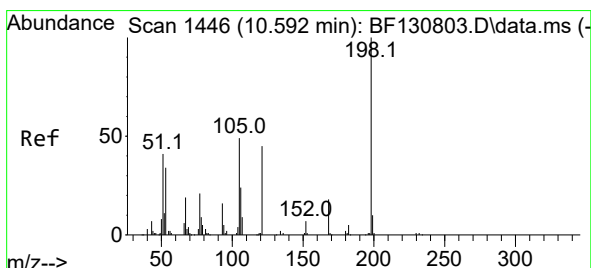
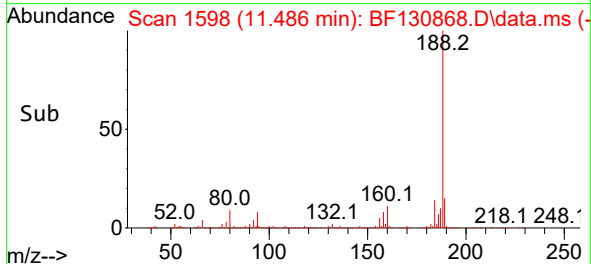
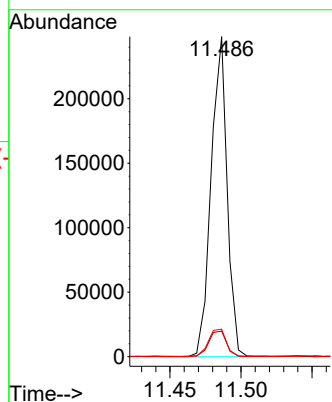
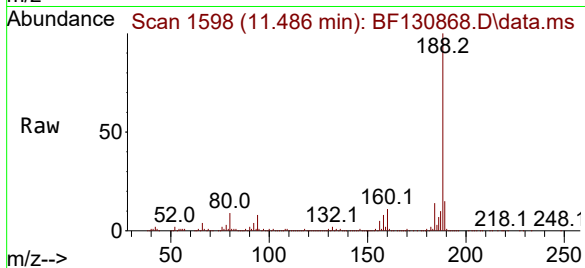
Tgt Ion:188 Resp: 195065

Ion Ratio Lower Upper

188 100

94 8.0 7.4 11.2

80 8.6 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.261 ng

RT: 10.781 min Scan# 1478

Delta R.T. 0.194 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

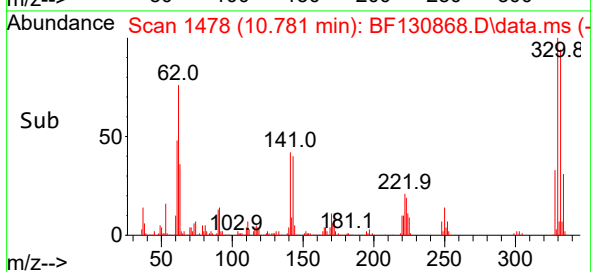
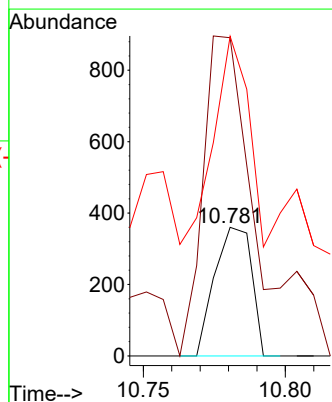
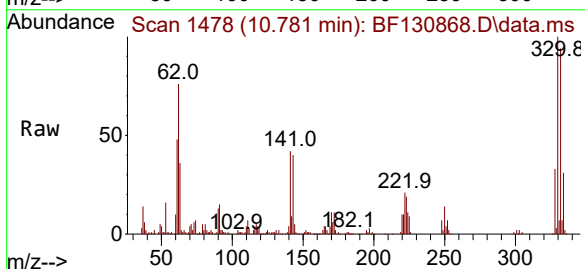
Tgt Ion:198 Resp: 325

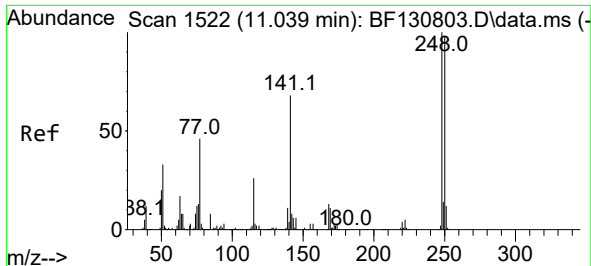
Ion Ratio Lower Upper

198 100

51 247.5 39.0 79.0#

105 248.6 30.6 70.6#

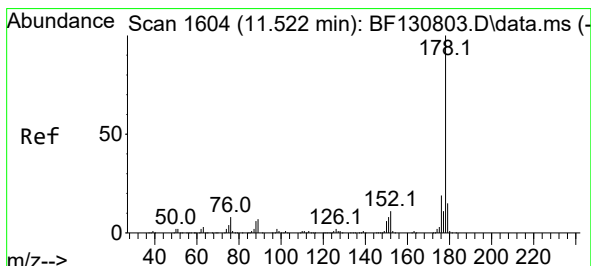
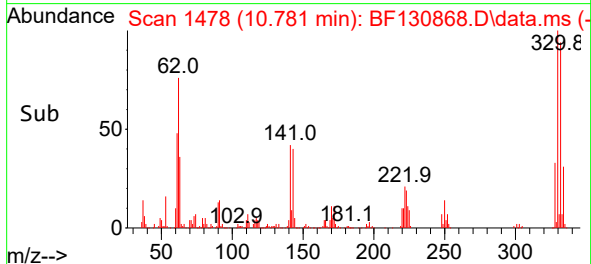
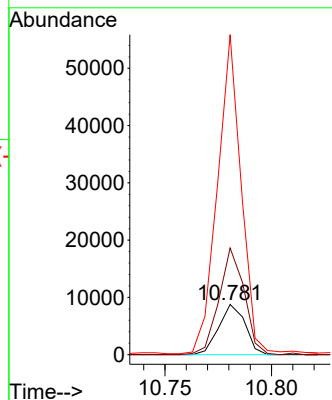
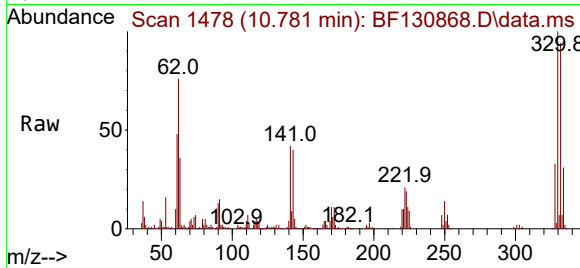




#67
4-Bromophenyl-phenylether
Concen: 3.855 ng
RT: 10.781 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

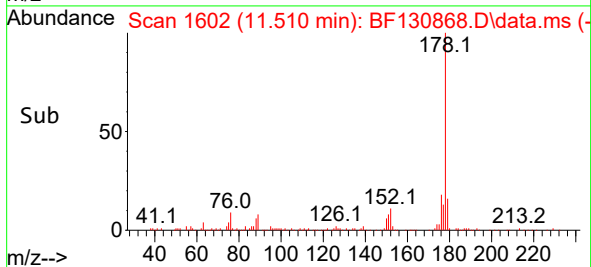
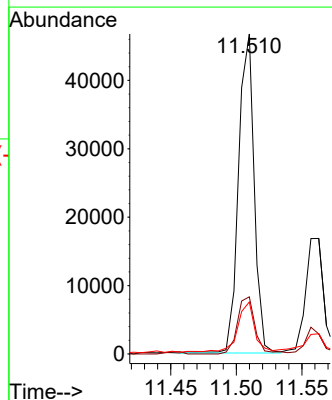
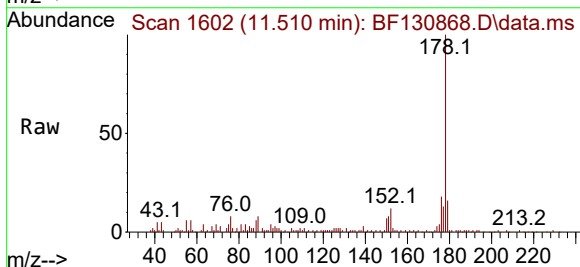
Instrument :
BNA_F
ClientSampleId :
CL-02-102622

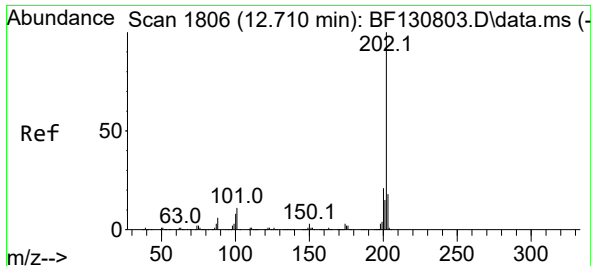
Tgt Ion:248 Resp: 7563
Ion Ratio Lower Upper
248 100
250 212.6 78.6 117.8#
141 637.4 54.2 81.4#



#71
Phenanthrene
Concen: 3.857 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

Tgt Ion:178 Resp: 38837
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 16.3 12.2 18.2

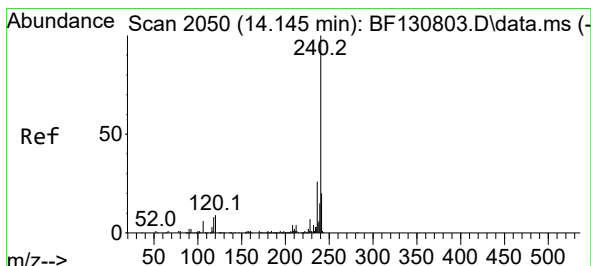
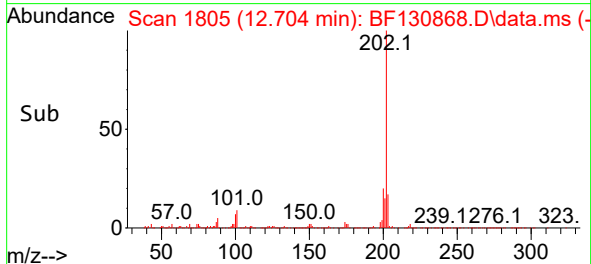
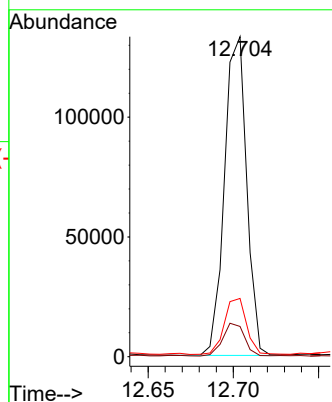
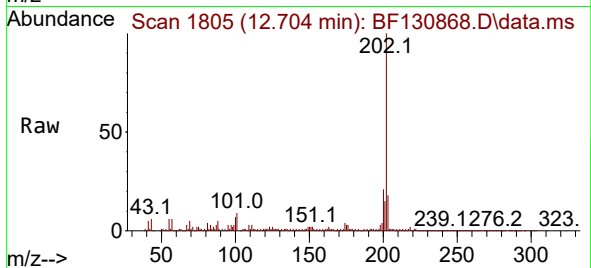




#75
Fluoranthene
Concen: 11.277 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

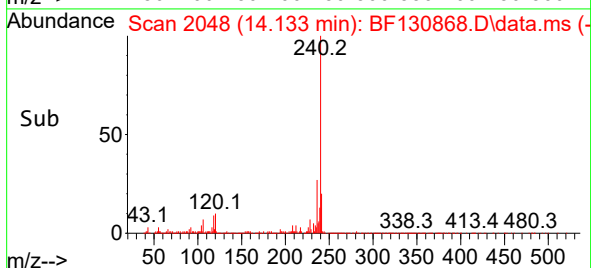
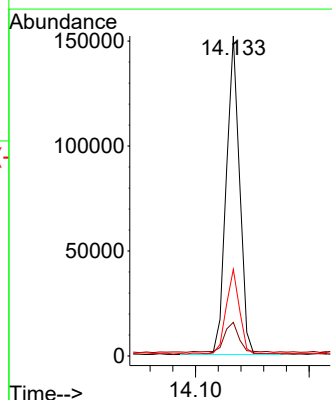
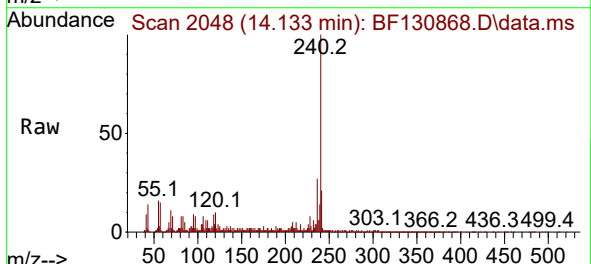
Instrument :
BNA_F
ClientSampleId :
CL-02-102622

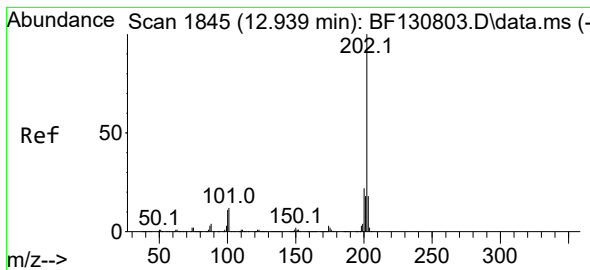
Tgt Ion:202 Resp: 120626
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.9
203 18.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

Tgt Ion:240 Resp: 123861
Ion Ratio Lower Upper
240 100
120 10.5 7.0 10.4#
236 27.1 20.5 30.7





#78

Pyrene

Concen: 11.727 ng

RT: 12.933 min Scan# 1844

Delta R.T. 0.000 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

Instrument :

BNA_F

ClientSampleId :

CL-02-102622

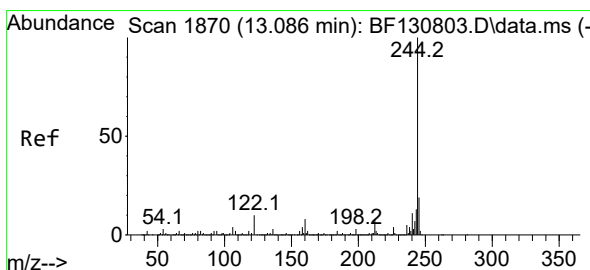
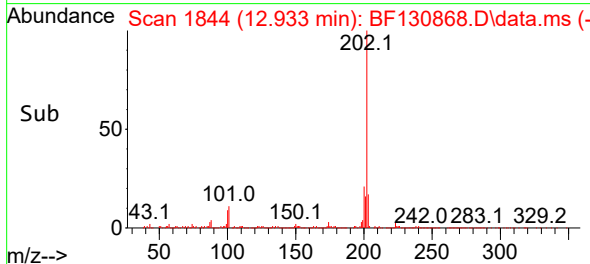
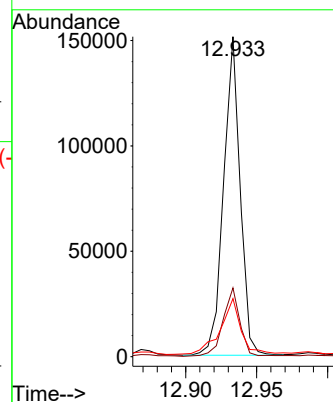
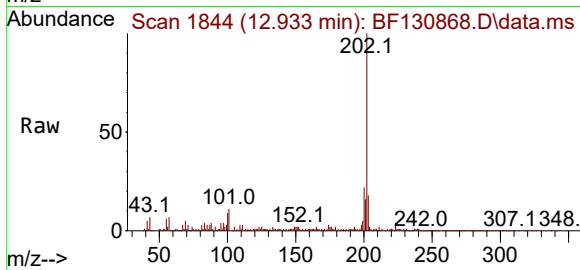
Tgt Ion:202 Resp: 122549

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 18.1 14.5 21.7



#79

Terphenyl-d14

Concen: 79.459 ng

RT: 13.075 min Scan# 1868

Delta R.T. 0.000 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

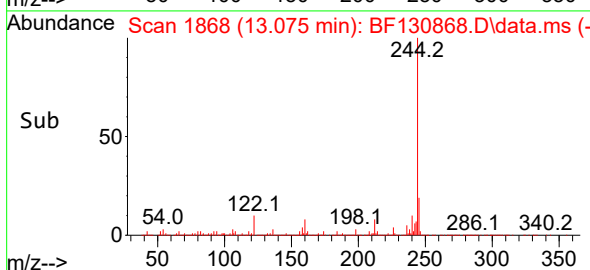
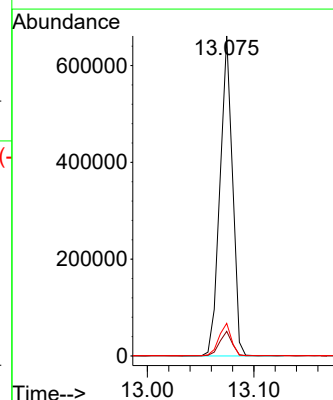
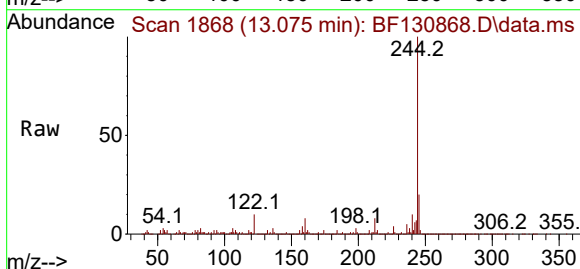
Tgt Ion:244 Resp: 537084

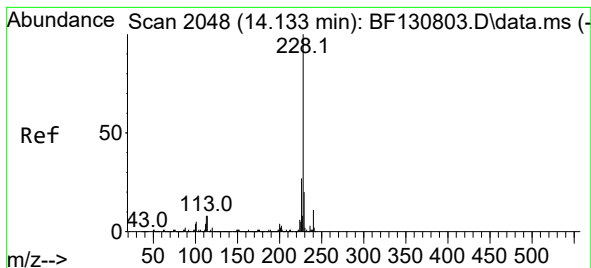
Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

122 10.2 7.9 11.9





#81

Benzo(a)anthracene

Concen: 7.289 ng

RT: 14.121 min Scan# 2046

Delta R.T. 0.000 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

Instrument :

BNA_F

ClientSampleId :

CL-02-102622

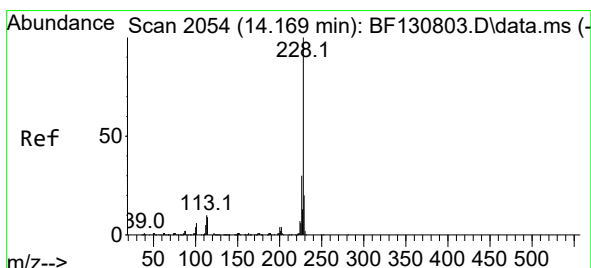
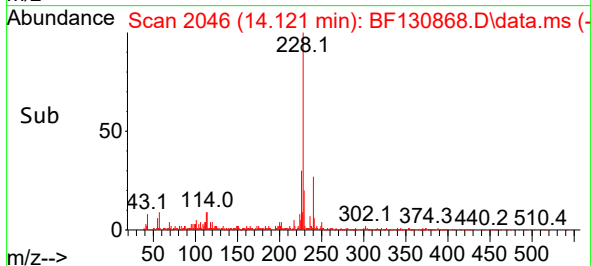
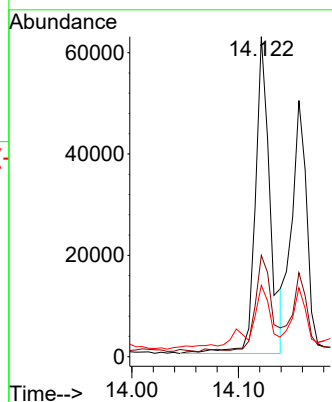
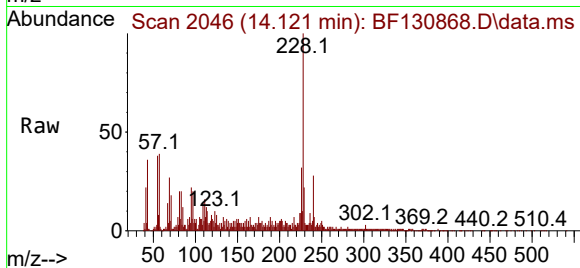
Tgt Ion:228 Resp: 59857

Ion Ratio Lower Upper

228 100

226 31.6 21.4 32.2

229 22.3 15.8 23.6



#83

Chrysene

Concen: 7.557 ng

RT: 14.121 min Scan# 2046

Delta R.T. -0.035 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

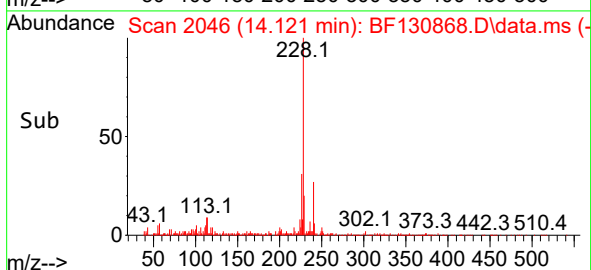
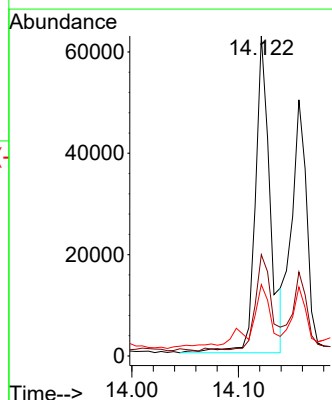
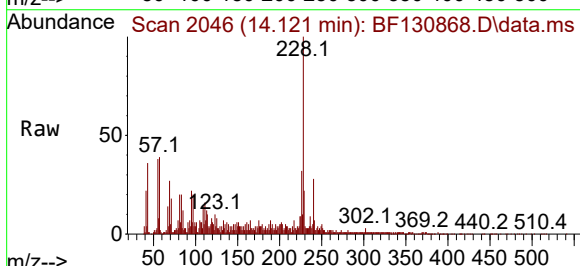
Tgt Ion:228 Resp: 59857

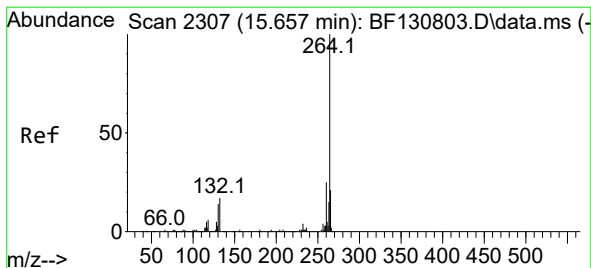
Ion Ratio Lower Upper

228 100

226 31.6 23.9 35.9

229 22.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.657 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

Instrument :

BNA_F

ClientSampleId :

CL-02-102622

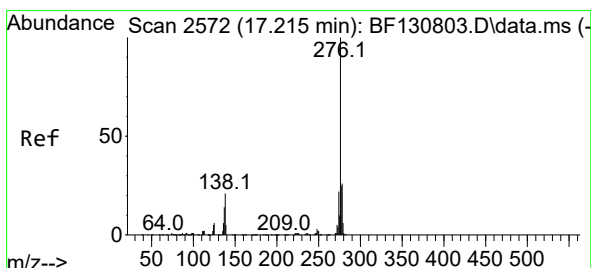
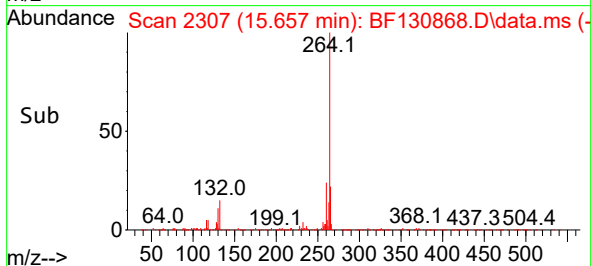
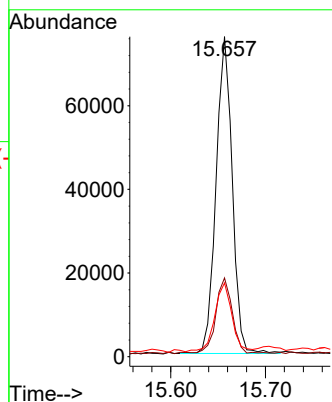
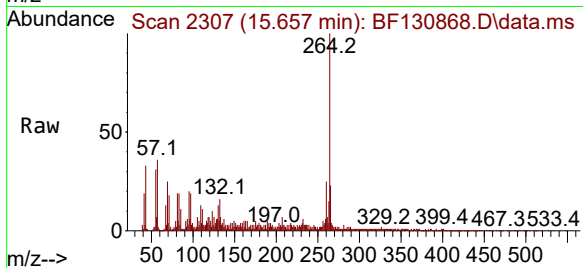
Tgt Ion:264 Resp: 89752

Ion Ratio Lower Upper

264 100

260 24.6 19.9 29.9

265 23.1 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.813 ng

RT: 17.210 min Scan# 2571

Delta R.T. 0.018 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

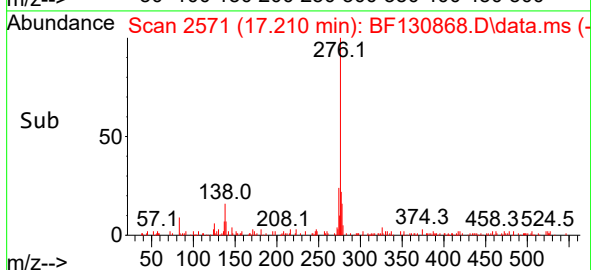
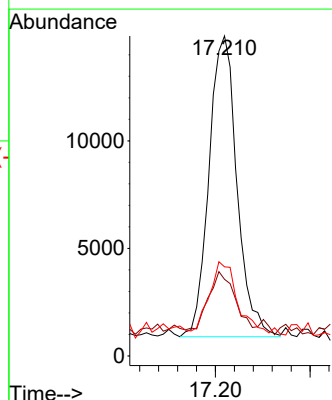
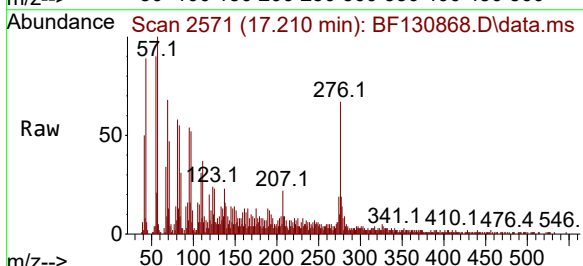
Tgt Ion:276 Resp: 28685

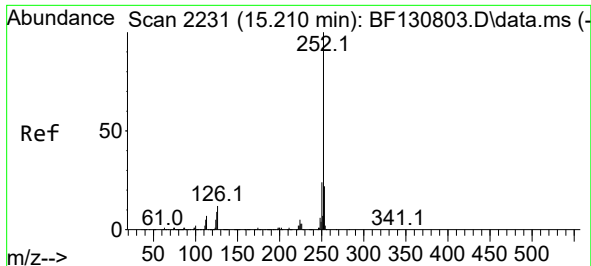
Ion Ratio Lower Upper

276 100

138 19.8 19.1 28.7

277 25.3 20.1 30.1

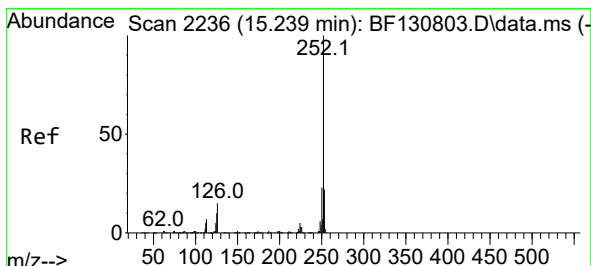
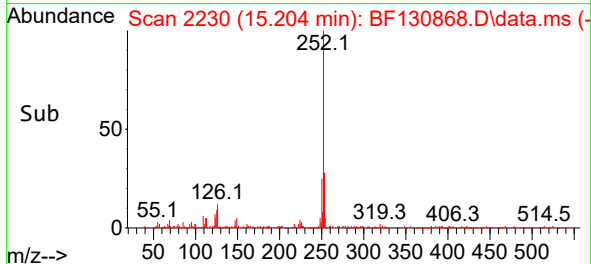
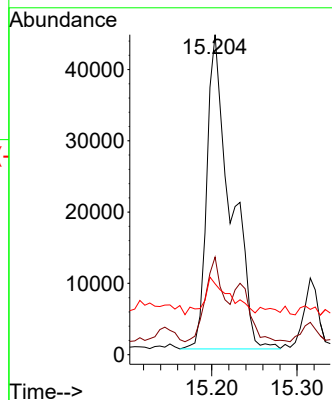
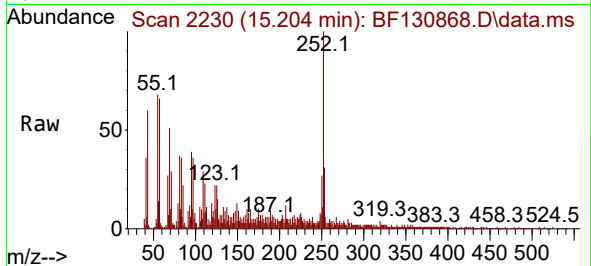




#88
Benzo(b)fluoranthene
Concen: 14.694 ng
RT: 15.204 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

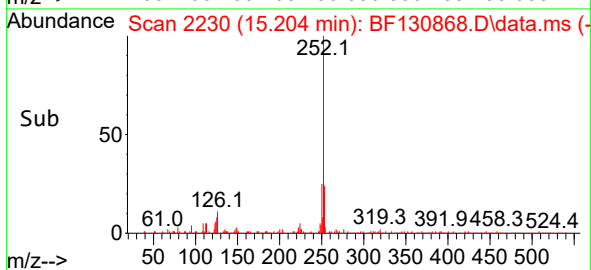
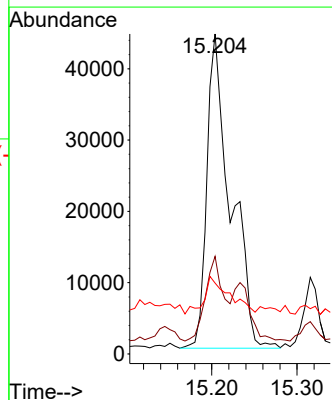
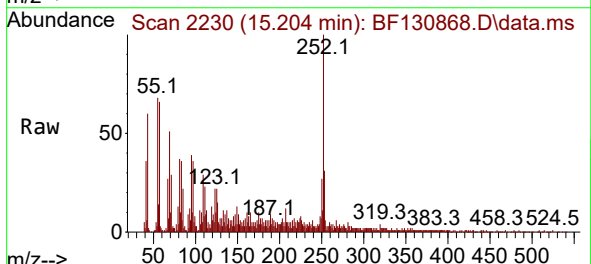
Instrument :
BNA_F
ClientSampleId :
CL-02-102622

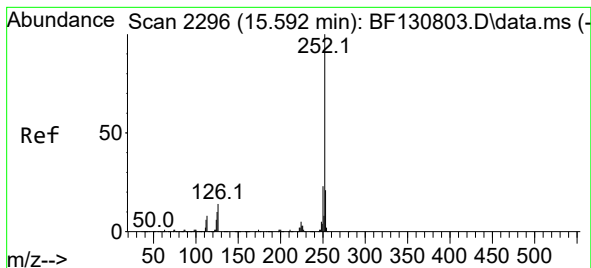
Tgt Ion:252 Resp: 85251
Ion Ratio Lower Upper
252 100
253 30.5 17.5 26.3#
125 22.2 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 15.079 ng
RT: 15.204 min Scan# 2230
Delta R.T. -0.023 min
Lab File: BF130868.D
Acq: 29 Oct 2022 20:50

Tgt Ion:252 Resp: 85251
Ion Ratio Lower Upper
252 100
253 30.5 17.5 26.3#
125 22.2 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 9.745 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

Instrument :

BNF

ClientSampleId :

CL-02-102622

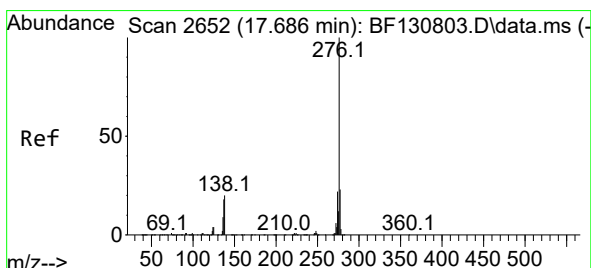
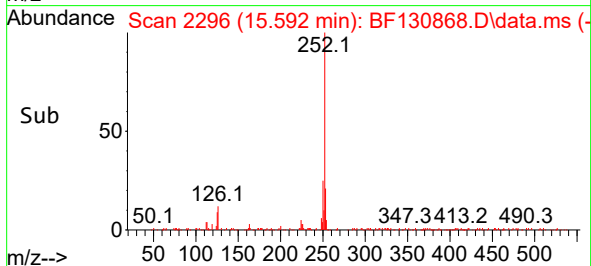
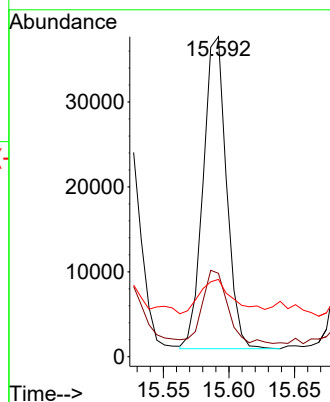
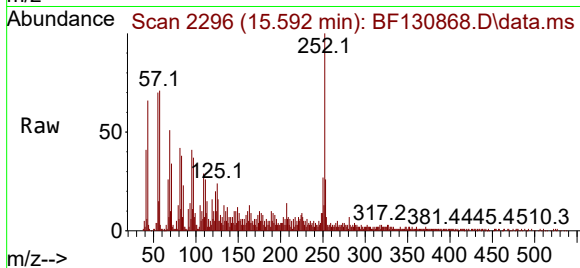
Tgt Ion:252 Resp: 45450

Ion Ratio Lower Upper

252 100

253 26.1 16.8 25.2#

125 24.1 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 6.117 ng

RT: 17.680 min Scan# 2651

Delta R.T. 0.012 min

Lab File: BF130868.D

Acq: 29 Oct 2022 20:50

Tgt Ion:276 Resp: 30324

Ion Ratio Lower Upper

276 100

277 30.8 18.8 28.2#

138 26.3 16.3 24.5#

