

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134076.D
 Acq On : 05 Jul 2023 20:24
 Operator : CG\JU
 Sample : 03498-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-063023

Quant Time: Jul 06 00:22:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

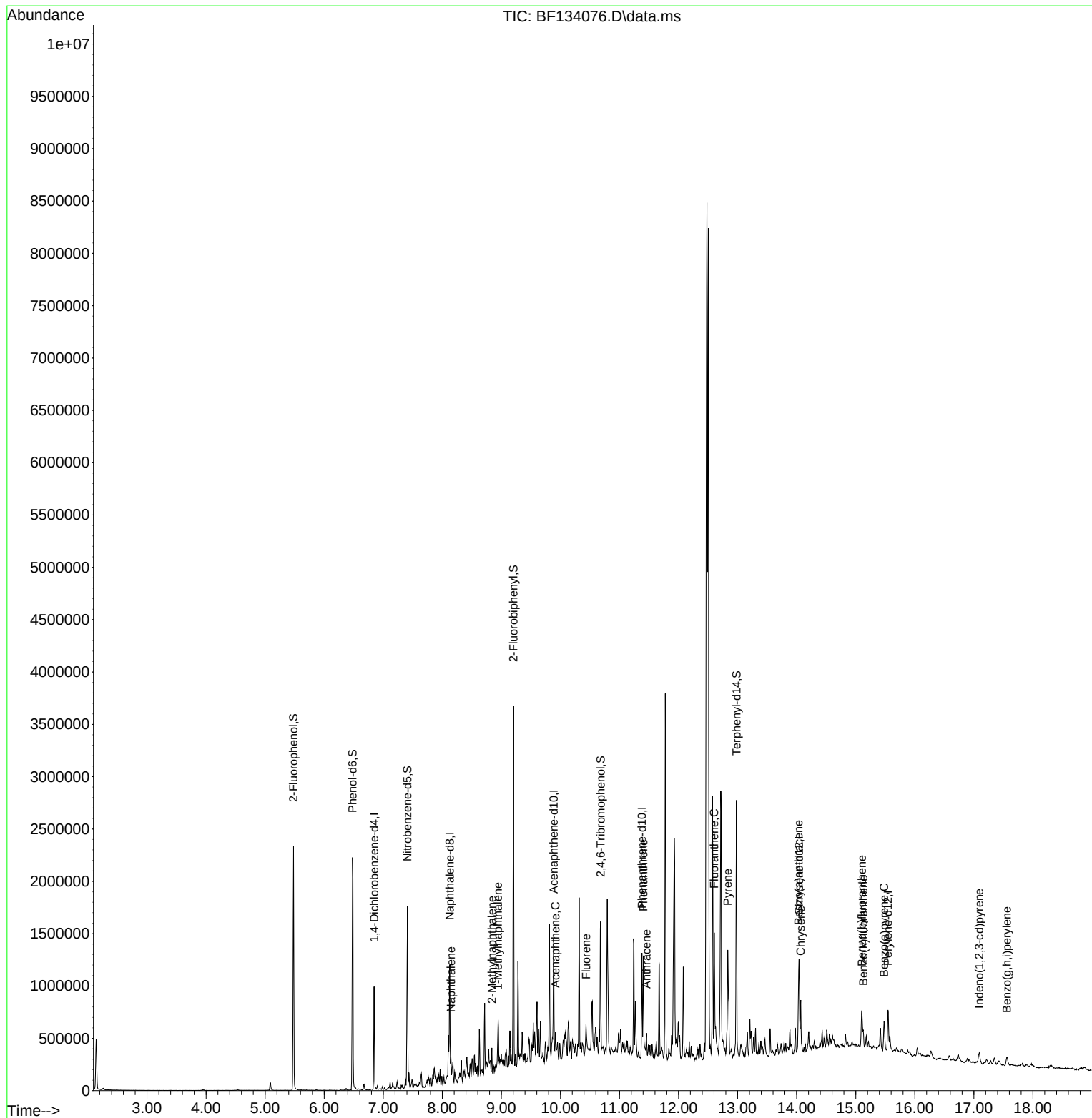
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	126949	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	471840	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	205876	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	325327	20.000	ng	0.00
76) Chrysene-d12	14.039	240	229560	20.000	ng	-0.01
86) Perylene-d12	15.545	264	195098	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	571165	75.261	ng	0.00
7) Phenol-d6	6.481	99	760376	81.470	ng	-0.01
23) Nitrobenzene-d5	7.410	82	491097	56.105	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	160389	62.136	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	956441	67.544	ng	0.00
79) Terphenyl-d14	12.980	244	809629	56.762	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.145	128	55812	2.449	ng	98
37) 2-Methylnaphthalene	8.839	142	50399	3.127	ng	100
38) 1-Methylnaphthalene	8.939	142	57533	3.840	ng	93
52) Acenaphthene	9.916	154	29015	2.423	ng	88
58) Fluorene	10.433	166	71321	4.898	ng	97
71) Phenanthrene	11.404	178	319946	19.536	ng	99
72) Anthracene	11.457	178	72654	4.265	ng	97
75) Fluoranthene	12.604	202	374689	21.162	ng	98
78) Pyrene	12.833	202	413236	19.343	ng	99
81) Benzo(a)anthracene	14.033	228	221131	13.890	ng	96
83) Chrysene	14.068	228	211007	13.684	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	71971	5.316	ng	96
88) Benzo(b)fluoranthene	15.104	252	211954m	18.476	ng	
89) Benzo(k)fluoranthene	15.127	252	59247m	5.072	ng	
90) Benzo(a)pyrene	15.480	252	142683	12.862	ng	98
92) Benzo(g,h,i)perylene	17.556	276	75475	6.619	ng	98

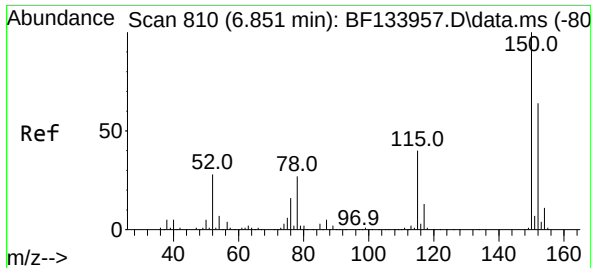
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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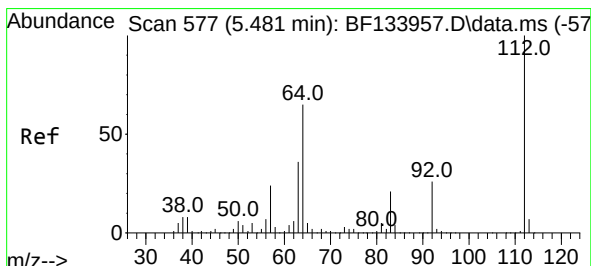
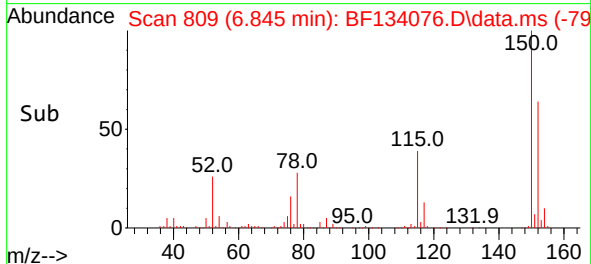
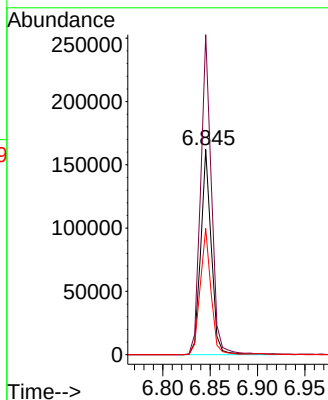
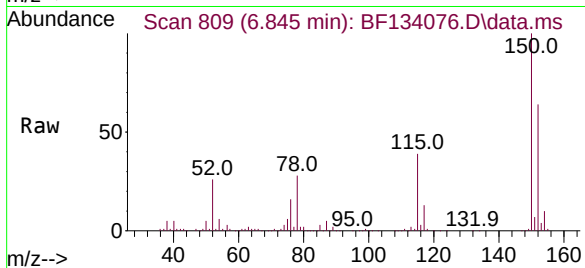




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

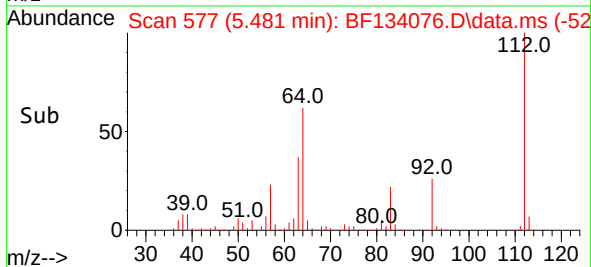
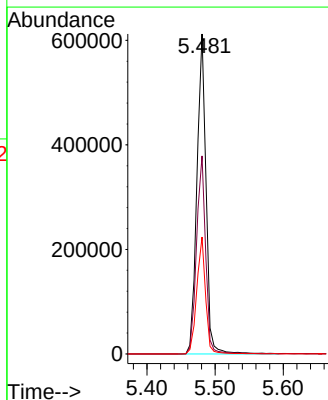
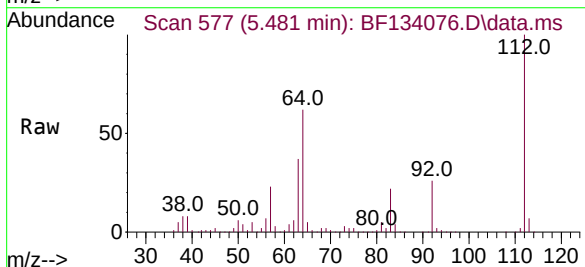
Instrument :
BNA_F
ClientSampleId :
NB-07-063023

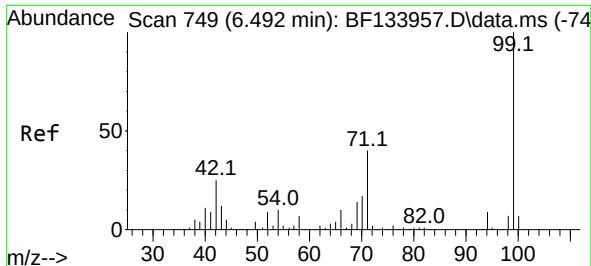
Tgt Ion:152 Resp: 126949
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 61.6 50.2 75.2



#5
2-Fluorophenol
Concen: 75.261 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

Tgt Ion:112 Resp: 571165
Ion Ratio Lower Upper
112 100
64 61.9 52.1 78.1
63 36.6 28.6 42.8

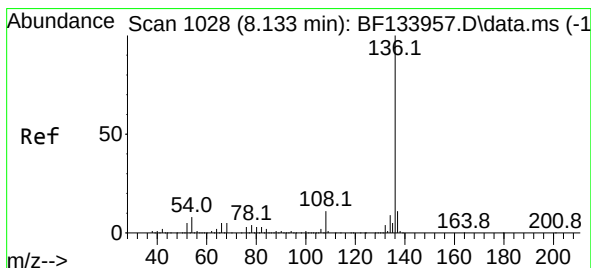
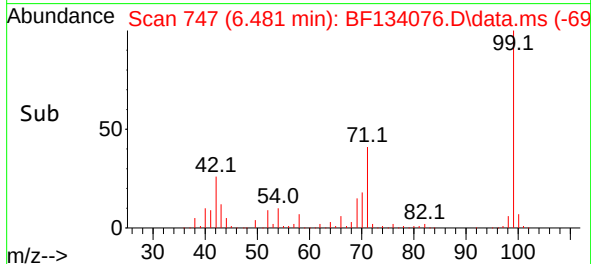
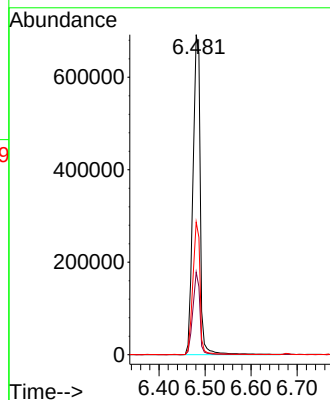
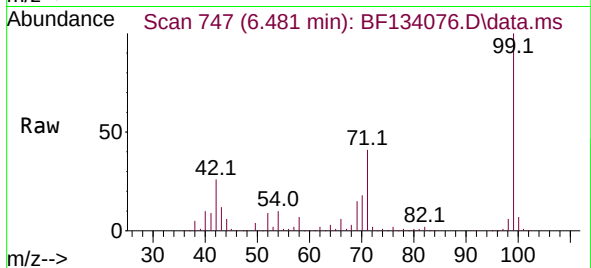




#7
Phenol-d6
Concen: 81.470 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

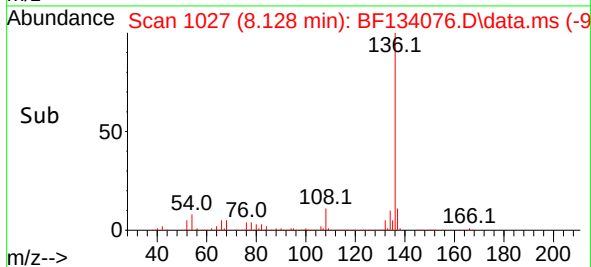
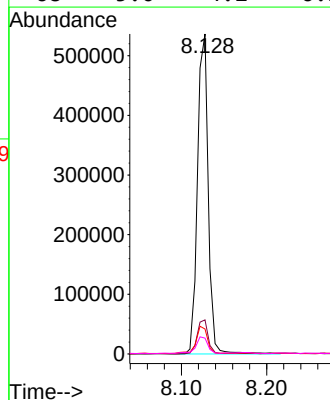
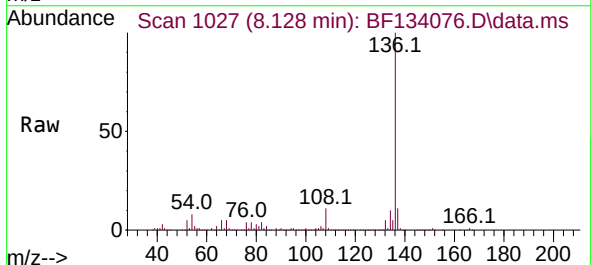
Instrument :
BNA_F
ClientSampleId :
NB-07-063023

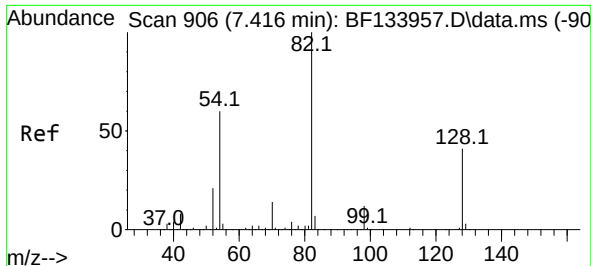
Tgt Ion: 99 Resp: 760376
Ion Ratio Lower Upper
99 100
42 25.8 19.8 29.6
71 41.5 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

Tgt Ion: 136 Resp: 471840
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.8 6.5 9.7
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 56.105 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

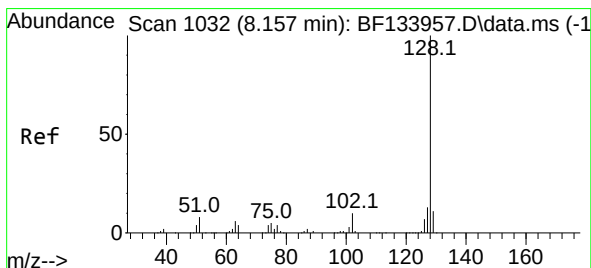
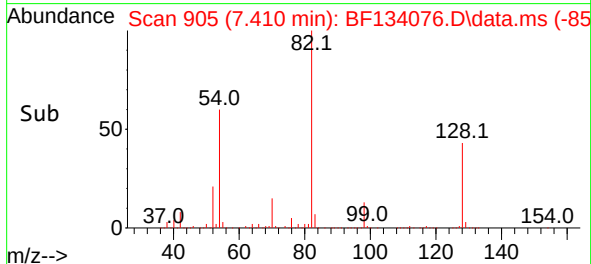
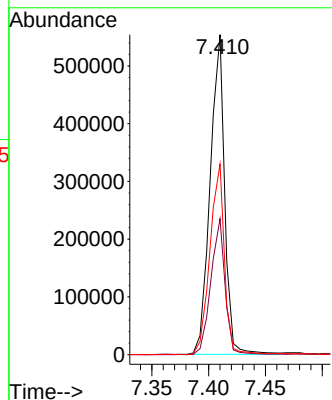
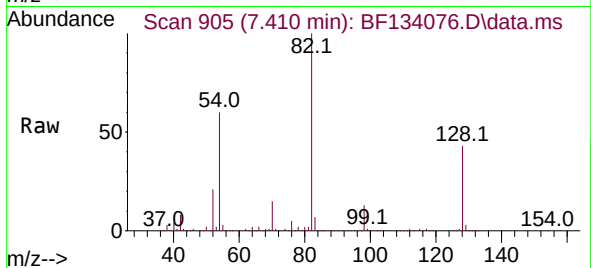
Tgt Ion: 82 Resp: 491097

Ion Ratio Lower Upper

82 100

128 42.5 32.5 48.7

54 59.5 48.2 72.2



#31

Naphthalene

Concen: 2.449 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.012 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

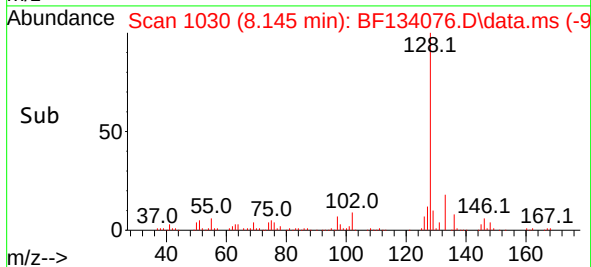
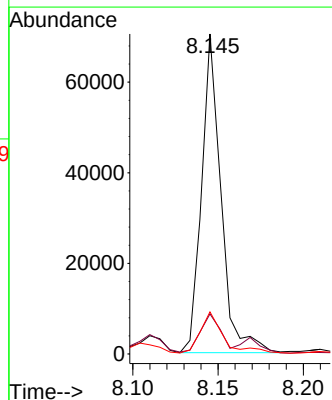
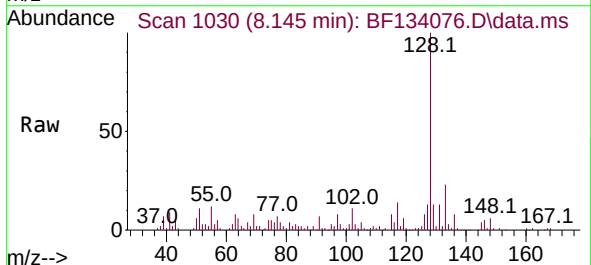
Tgt Ion: 128 Resp: 55812

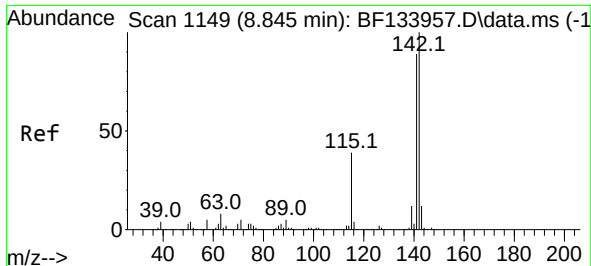
Ion Ratio Lower Upper

128 100

129 12.5 8.7 13.1

127 13.1 10.6 15.8





#37

2-Methylnaphthalene

Concen: 3.127 ng

RT: 8.839 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

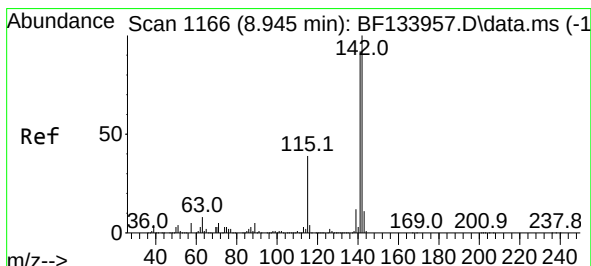
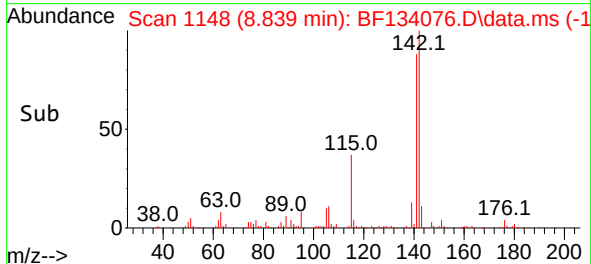
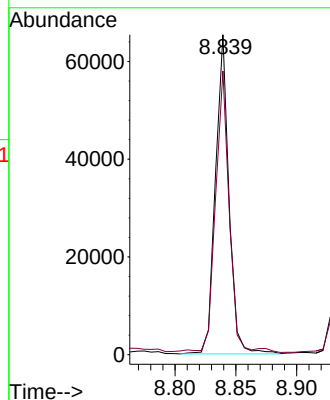
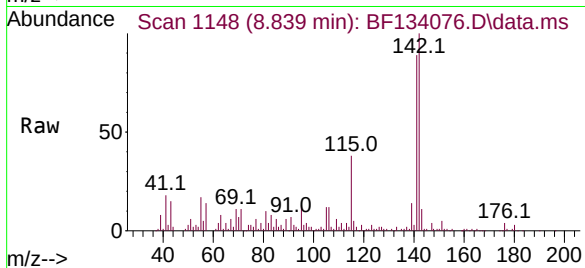
NB-07-063023

Tgt Ion:142 Resp: 50399

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.4



#38

1-Methylnaphthalene

Concen: 3.840 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF134076.D

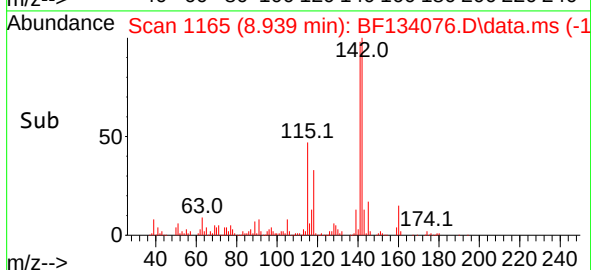
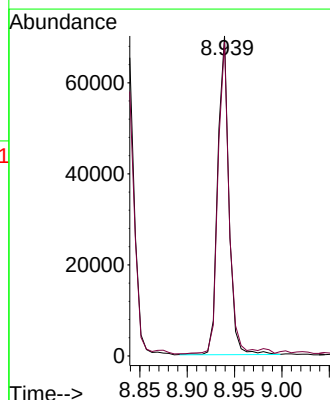
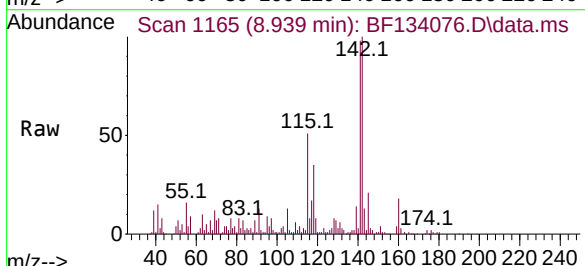
Acq: 05 Jul 2023 20:24

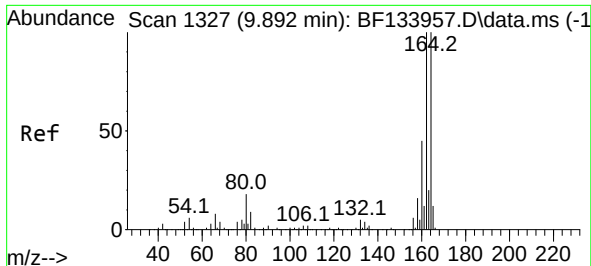
Tgt Ion:142 Resp: 57533

Ion Ratio Lower Upper

142 100

141 98.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

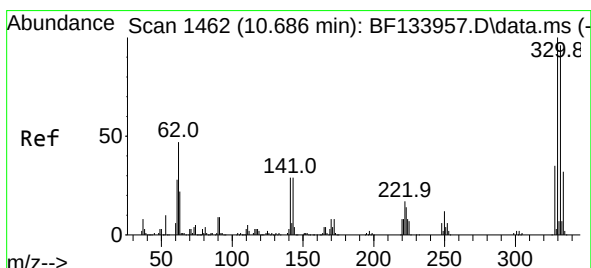
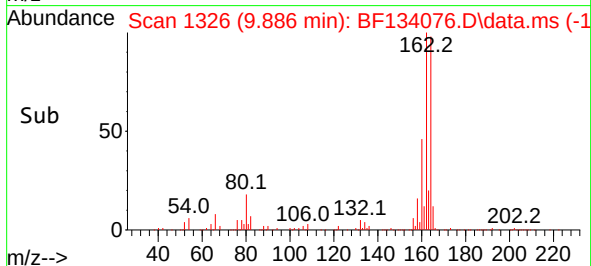
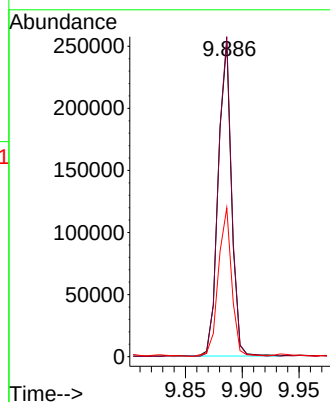
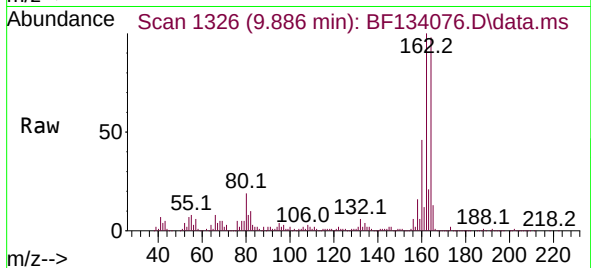
Tgt Ion:164 Resp: 205876

Ion Ratio Lower Upper

164 100

162 101.8 80.0 120.0

160 47.3 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 62.136 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

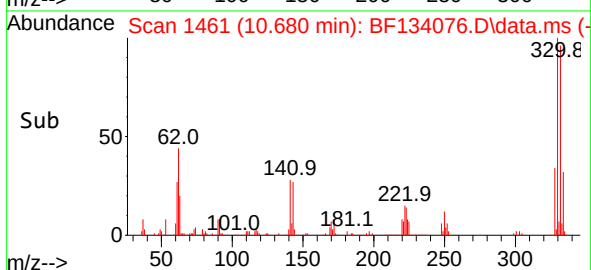
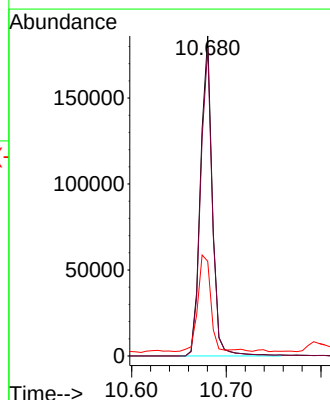
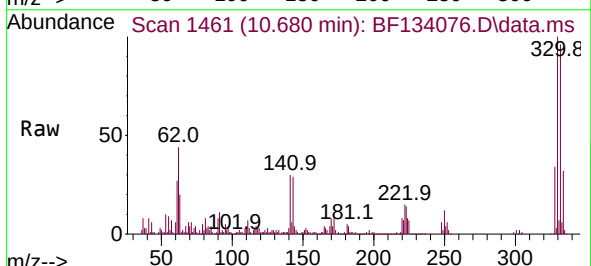
Tgt Ion:330 Resp: 160389

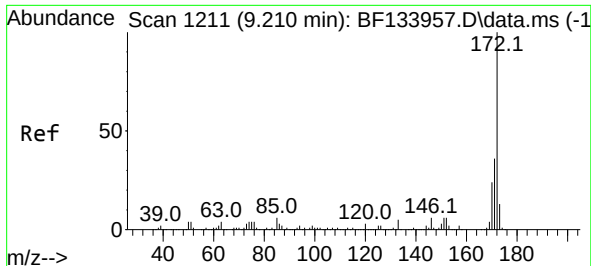
Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 33.0 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 67.544 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

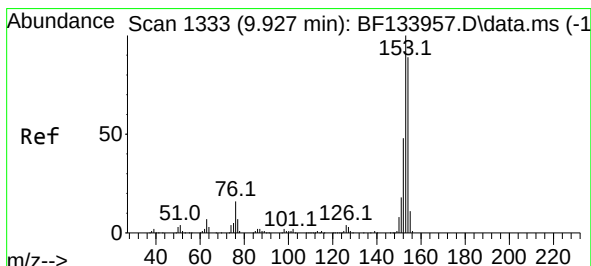
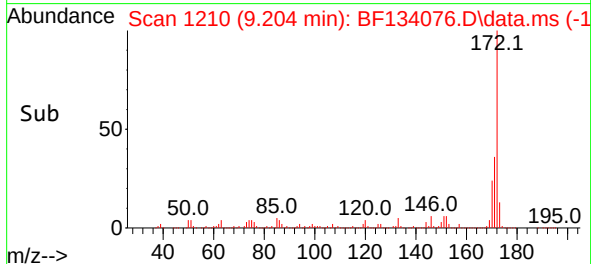
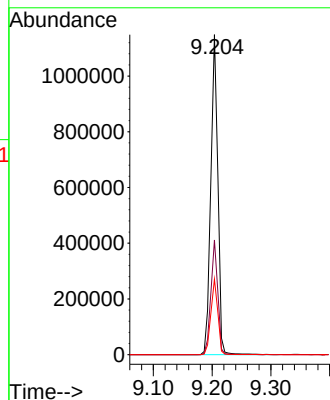
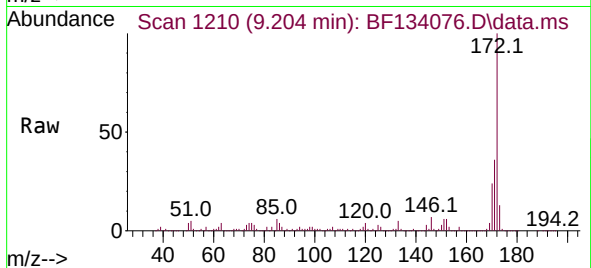
Tgt Ion:172 Resp: 956441

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.6 19.4 29.0



#52

Acenaphthene

Concen: 2.423 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

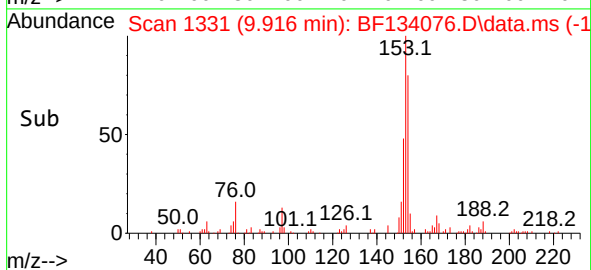
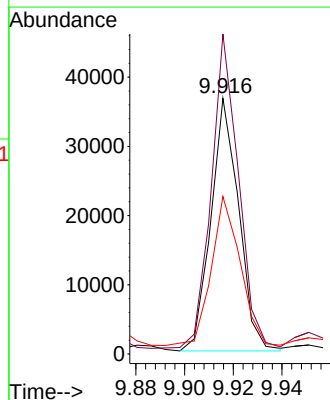
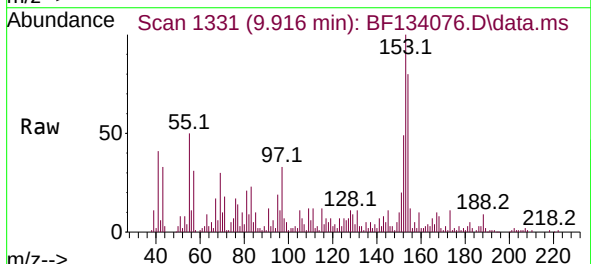
Tgt Ion:154 Resp: 29015

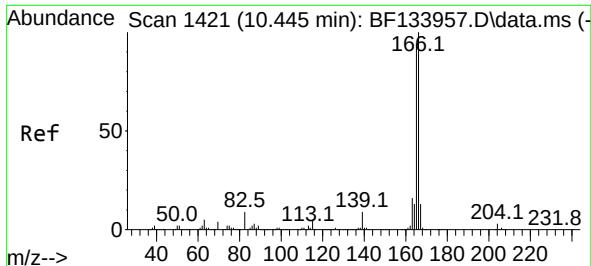
Ion Ratio Lower Upper

154 100

153 125.1 89.4 134.2

152 61.5 42.8 64.2

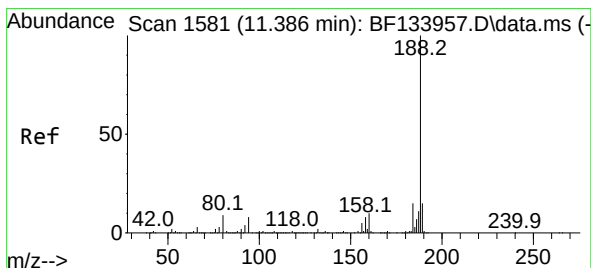
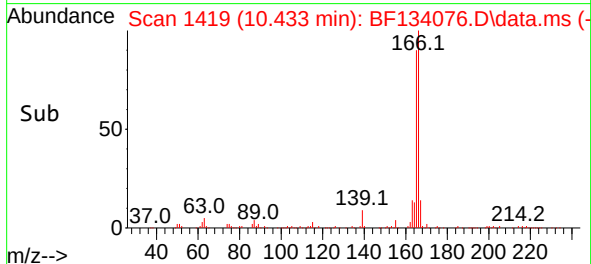
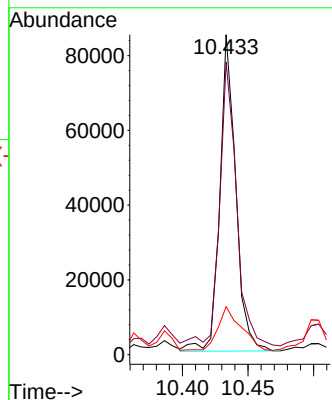
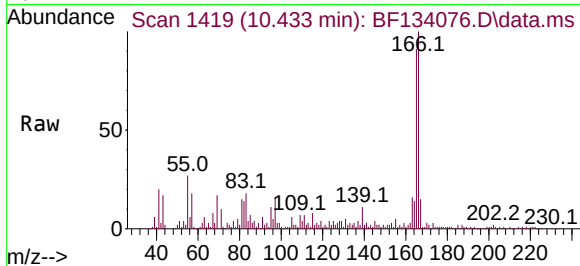




#58
Fluorene
Concen: 4.898 ng
RT: 10.433 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

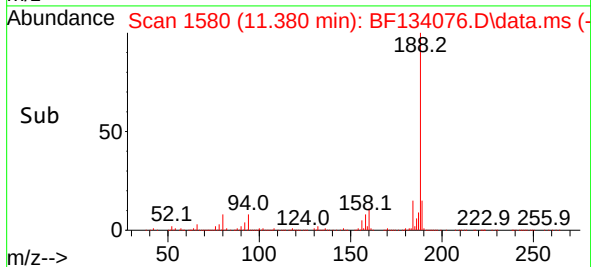
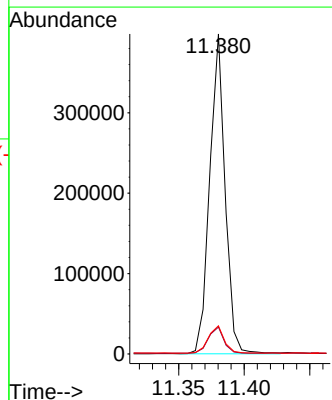
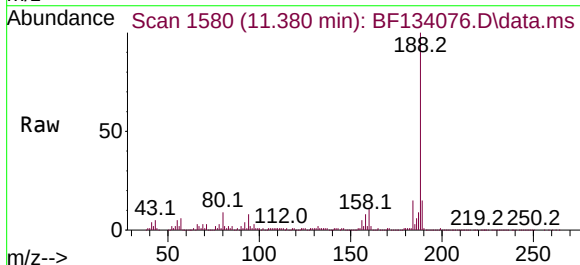
Instrument :
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NB-07-063023

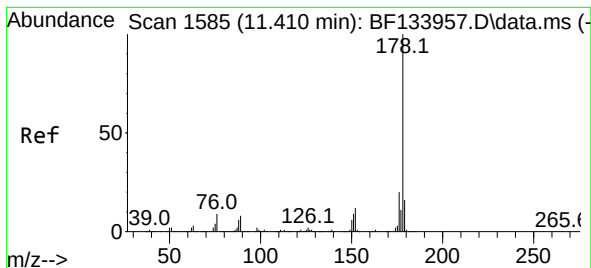
Tgt Ion:166 Resp: 71321
Ion Ratio Lower Upper
166 100
165 91.4 75.0 112.4
167 15.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

Tgt Ion:188 Resp: 325327
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.8 7.3 10.9





#71

Phenanthrene

Concen: 19.536 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

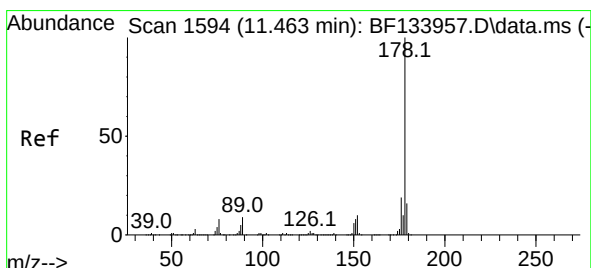
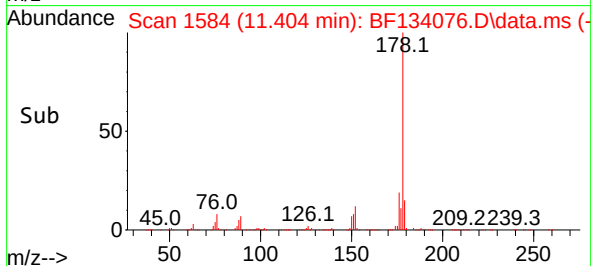
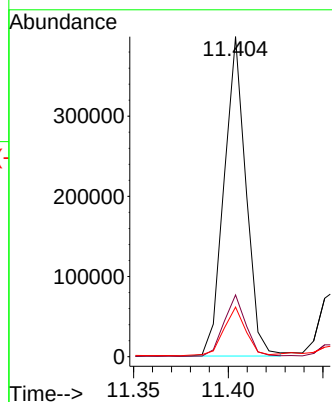
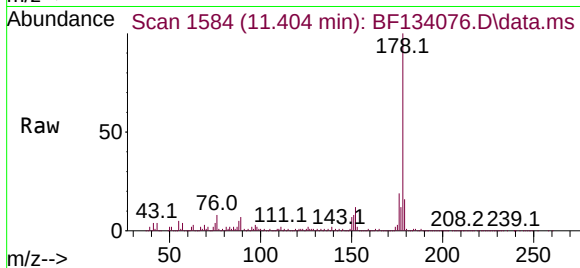
Tgt Ion:178 Resp: 319946

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 15.5 12.4 18.6



#72

Anthracene

Concen: 4.265 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

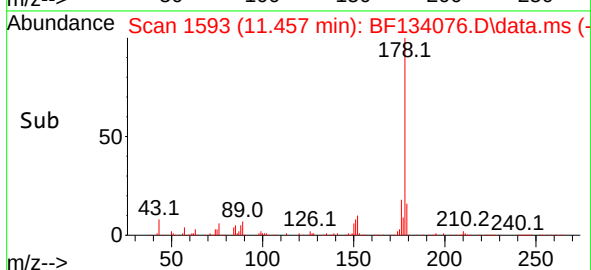
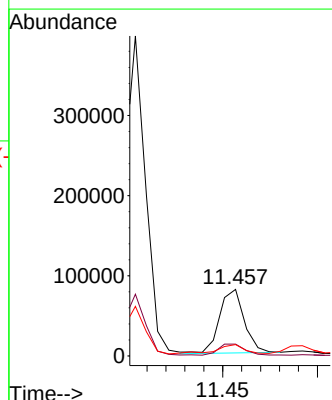
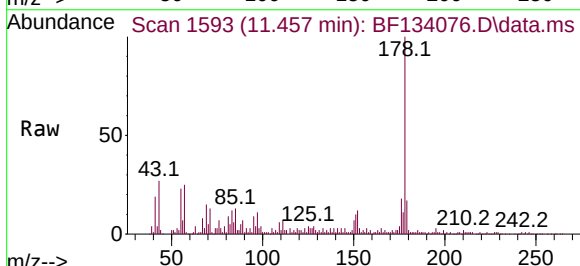
Tgt Ion:178 Resp: 72654

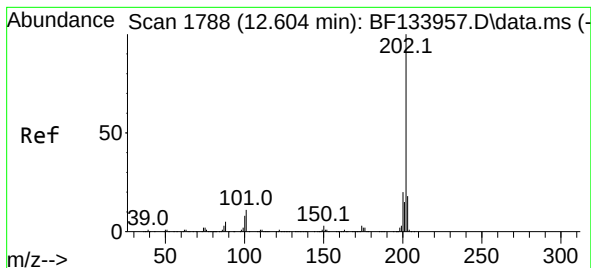
Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

179 16.9 12.4 18.6





#75

Fluoranthene

Concen: 21.162 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

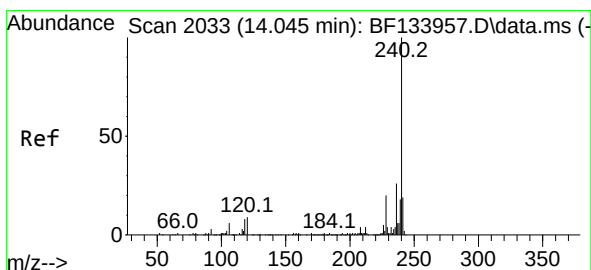
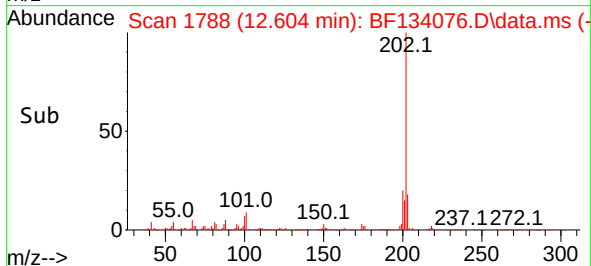
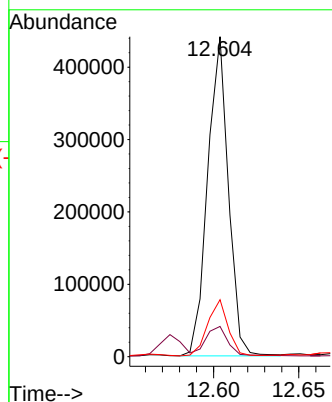
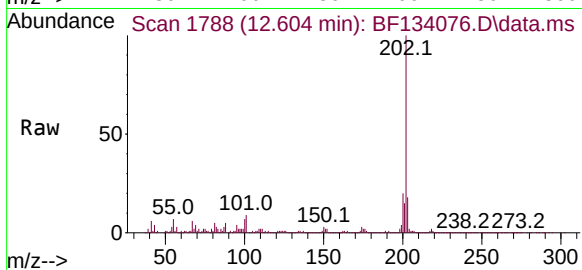
Tgt Ion:202 Resp: 374689

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.0

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

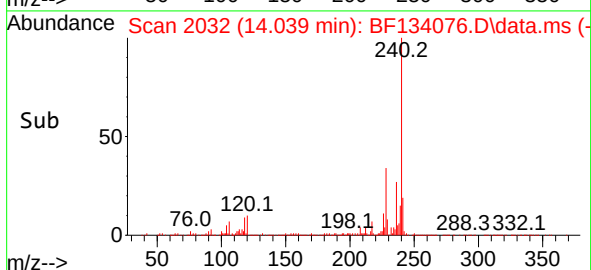
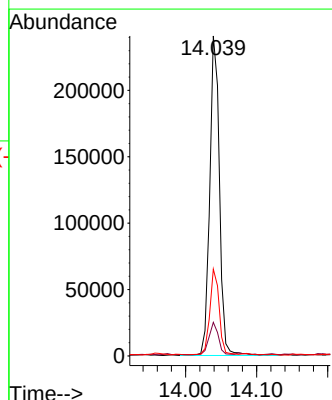
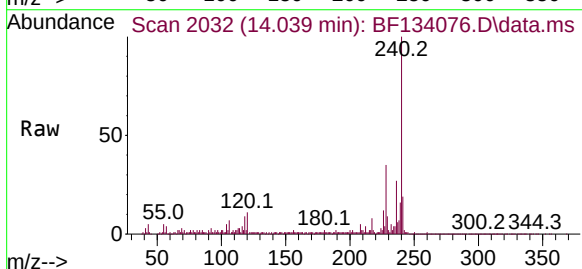
Tgt Ion:240 Resp: 229560

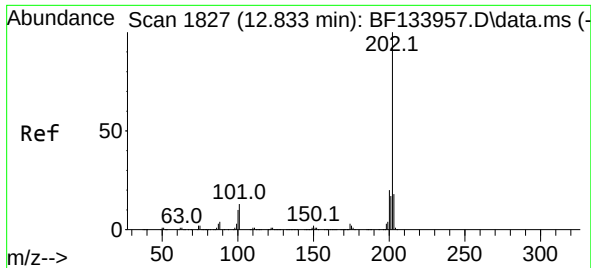
Ion Ratio Lower Upper

240 100

120 10.5 7.4 11.0

236 27.1 21.0 31.6





#78

Pyrene

Concen: 19.343 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

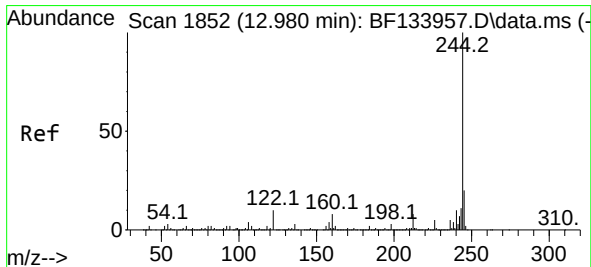
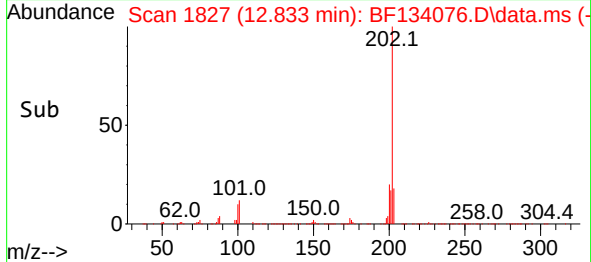
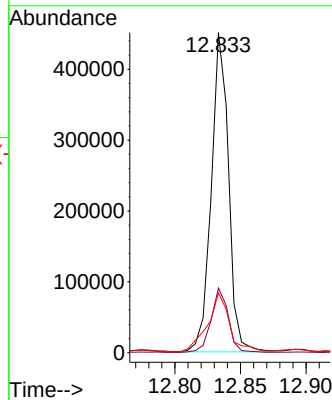
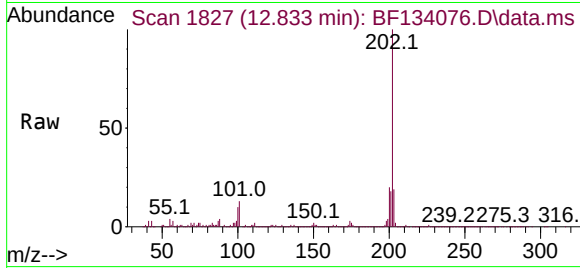
Tgt Ion:202 Resp: 413236

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 56.762 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

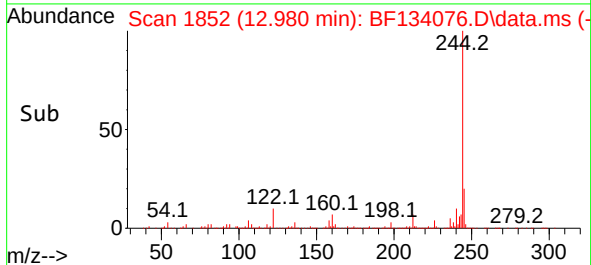
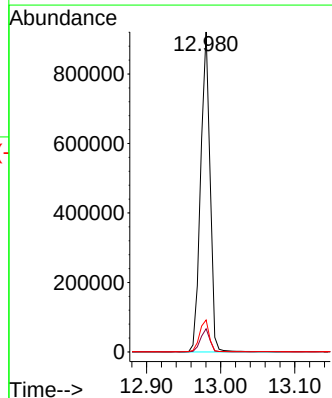
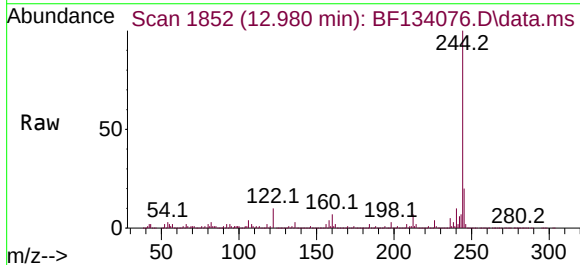
Tgt Ion:244 Resp: 809629

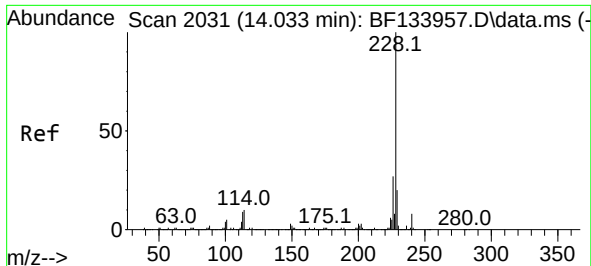
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 10.0 8.3 12.5

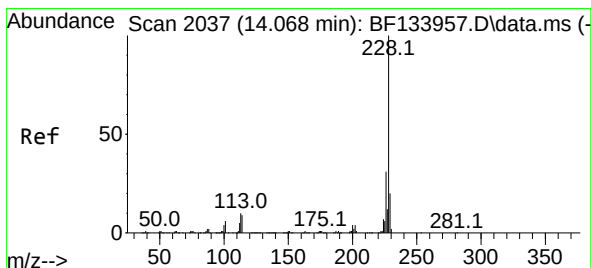
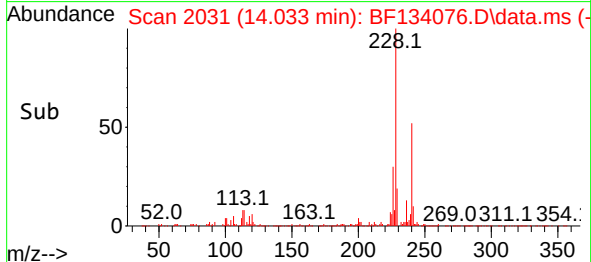
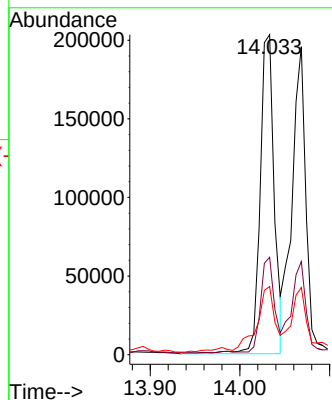
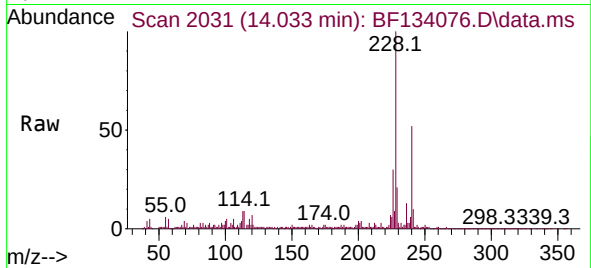




#81
Benzo(a)anthracene
Concen: 13.890 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

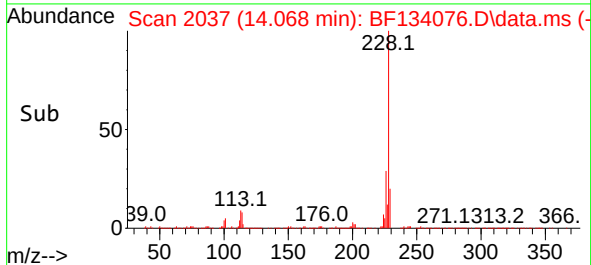
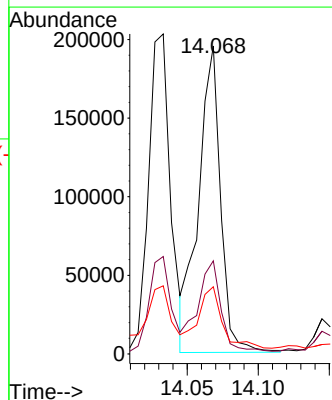
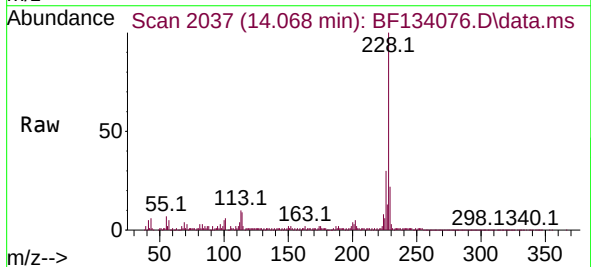
Instrument :
BNA_F
ClientSampleId :
NB-07-063023

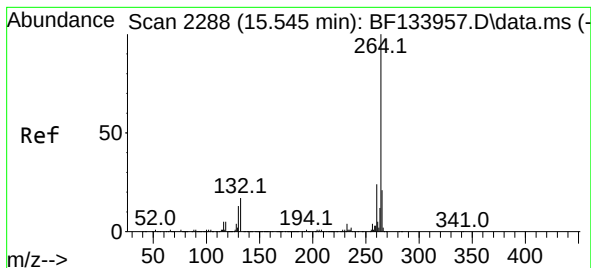
Tgt Ion:228 Resp: 221131
Ion Ratio Lower Upper
228 100
226 30.5 22.0 33.0
229 21.3 16.3 24.5



#83
Chrysene
Concen: 13.684 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF134076.D
Acq: 05 Jul 2023 20:24

Tgt Ion:228 Resp: 211007
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 21.8 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

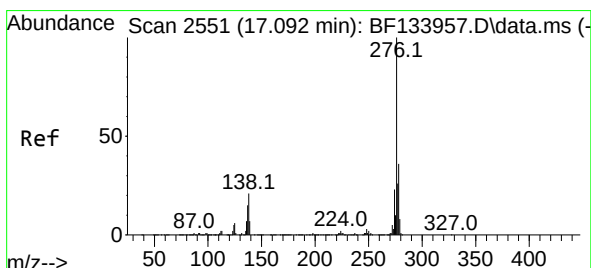
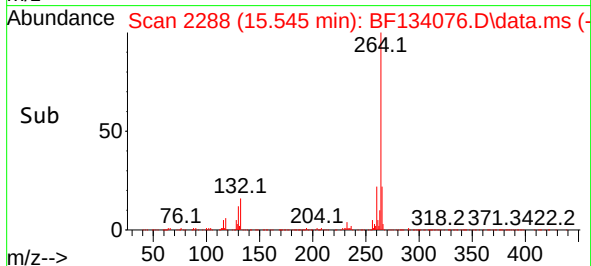
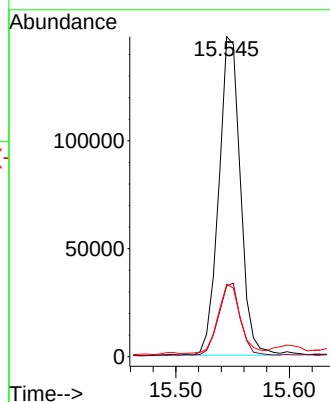
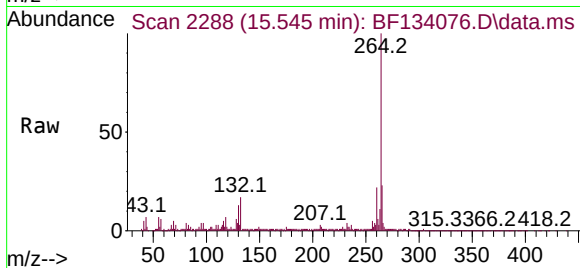
Tgt Ion:264 Resp: 195098

Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

265 22.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.316 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.018 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

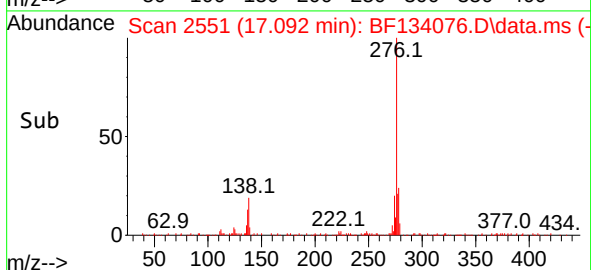
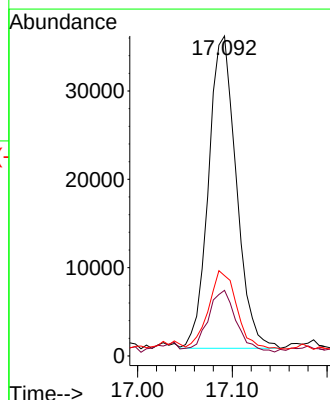
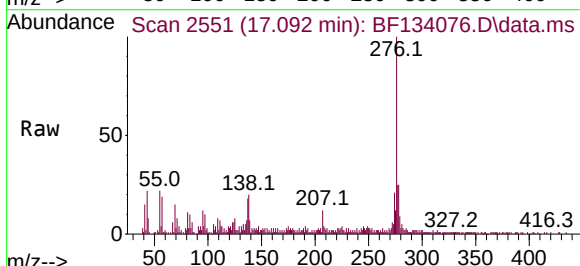
Tgt Ion:276 Resp: 71971

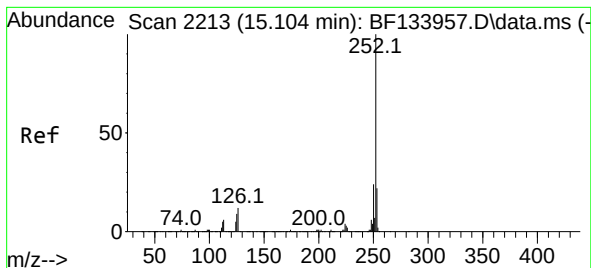
Ion Ratio Lower Upper

276 100

138 20.1 18.7 28.1

277 25.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 18.476 ng m

RT: 15.104 min Scan# 211954

Delta R.T. -0.006 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

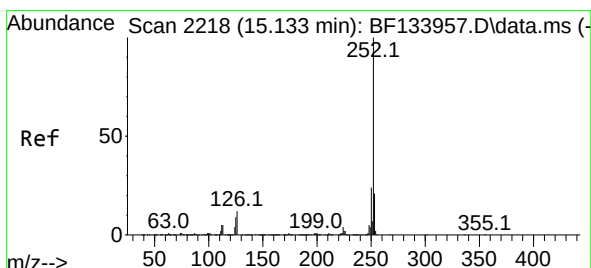
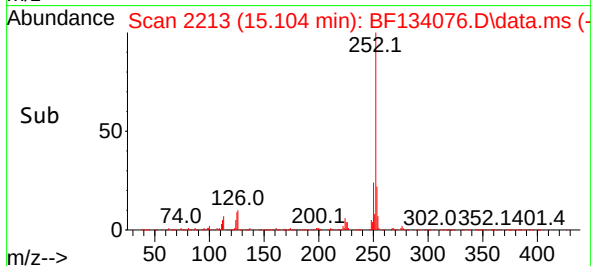
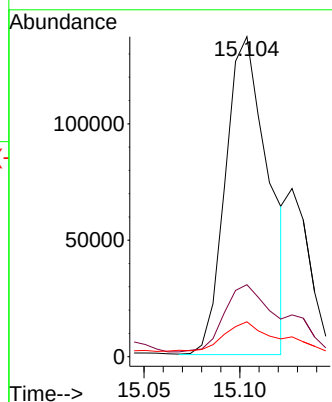
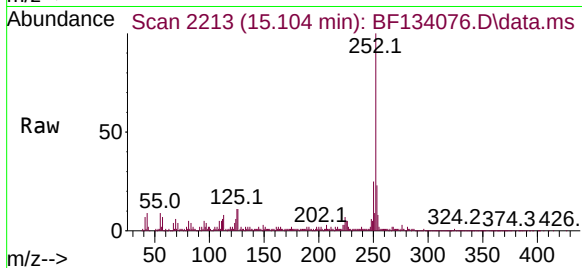
Tgt Ion:252 Resp: 211954

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.9 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 5.072 ng m

RT: 15.127 min Scan# 2217

Delta R.T. -0.012 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

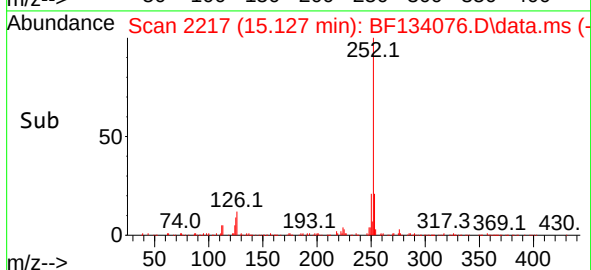
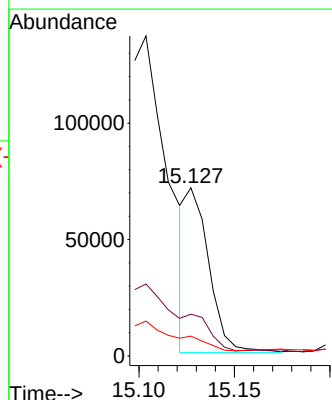
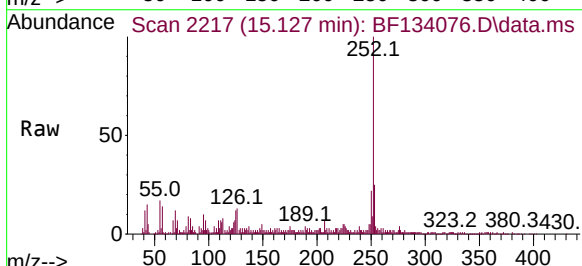
Tgt Ion:252 Resp: 59247

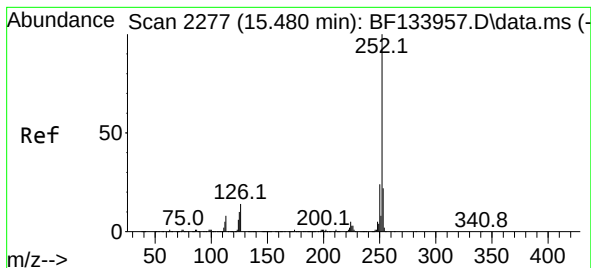
Ion Ratio Lower Upper

252 100

253 24.9 16.9 25.3

125 11.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 12.862 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Instrument :

BNA_F

ClientSampleId :

NB-07-063023

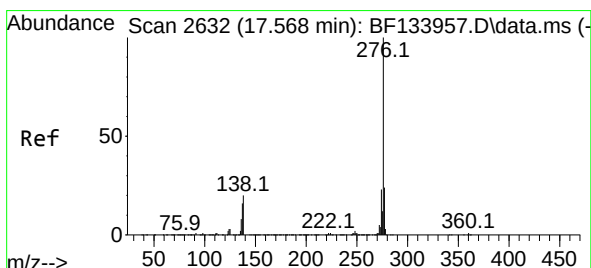
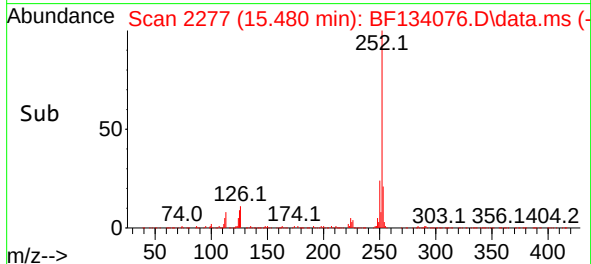
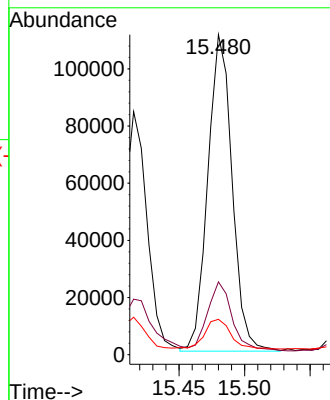
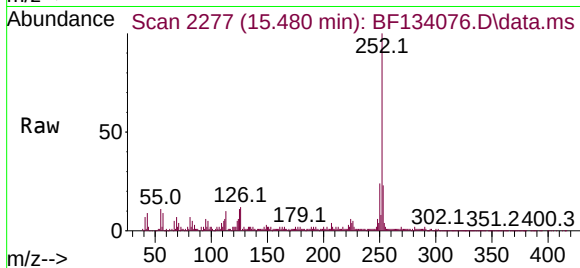
Tgt Ion:252 Resp: 142683

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 11.1 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 6.619 ng

RT: 17.556 min Scan# 2630

Delta R.T. -0.024 min

Lab File: BF134076.D

Acq: 05 Jul 2023 20:24

Tgt Ion:276 Resp: 75475

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 18.6 16.2 24.2

