

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134737.D
 Acq On : 11 Aug 2023 17:38
 Operator : CG\JU
 Sample : 03971-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP02A

Quant Time: Aug 11 22:23:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

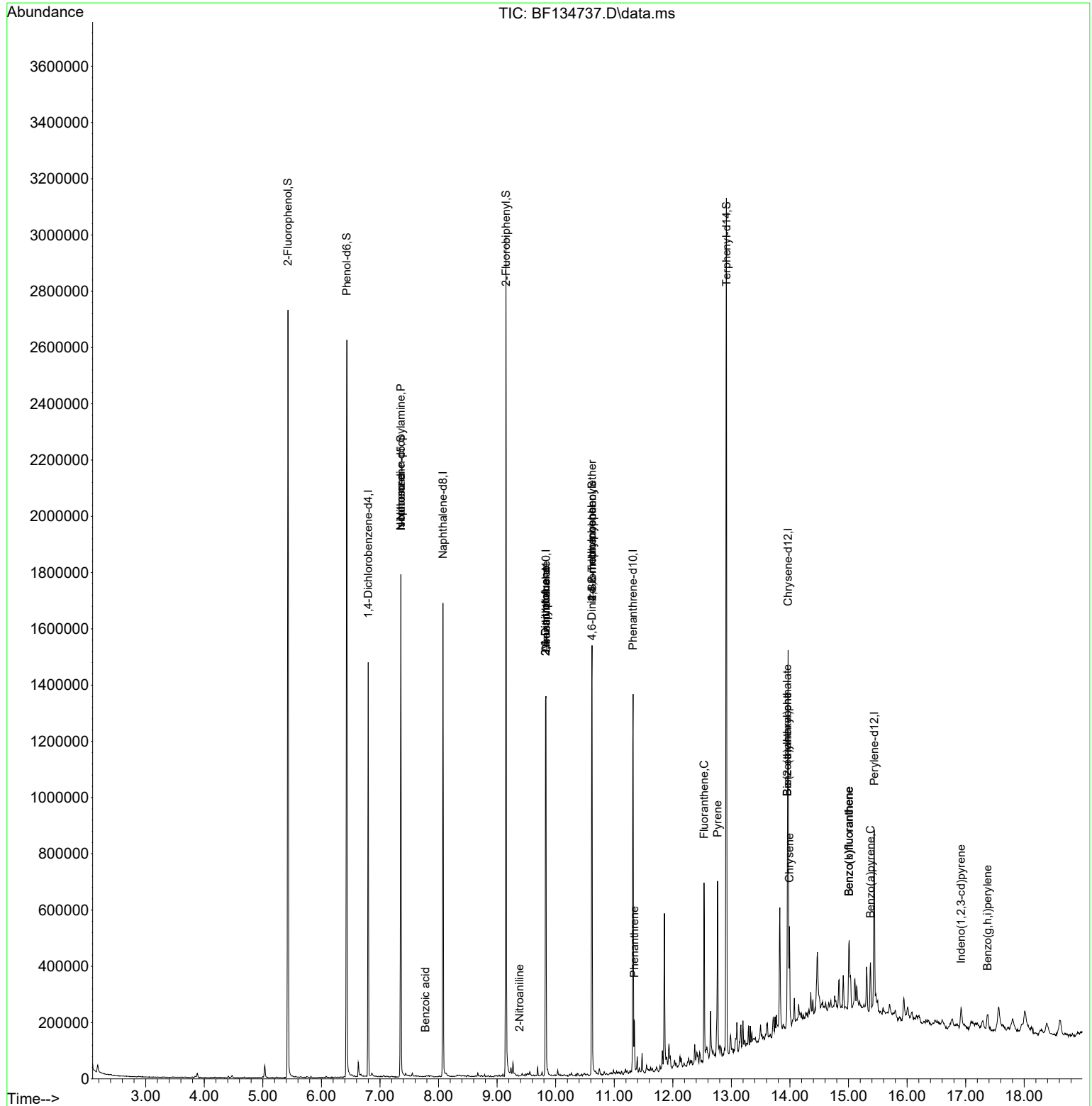
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	185633	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	680200	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	291360	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	500991	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	396500	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	300085	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	729040	59.699	ng	0.00
7) Phenol-d6	6.434	99	876561	56.152	ng	0.00
23) Nitrobenzene-d5	7.357	82	526055	48.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	196149	66.040	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	939436	53.610	ng	-0.01
79) Terphenyl-d14	12.916	244	1039753	46.228	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	694	Below Cal		Qvalue # 41
19) n-Nitroso-di-n-propyla...	7.357	70	70691	7.563	ng	# 74
25) Isophorone	7.357	82	517908	21.816	ng	# 65
32) Benzoic acid	7.775	122	374	7.912	ng	# 81
48) 2-Nitroaniline	9.381	65	59	3.177	ng	# 13
50) Dimethylphthalate	9.834	163	60240	3.034	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	37693	11.278	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	37693	10.065	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	362	8.845	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	12158	2.217	ng	# 1
71) Phenanthrene	11.345	178	69972	2.629	ng	97
75) Fluoranthene	12.533	202	236710	8.421	ng	96
78) Pyrene	12.763	202	242892	7.079	ng	97
81) Benzo(a)anthracene	13.957	228	135904	4.794	ng	98
83) Chrysene	13.992	228	132932	4.813	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	42912	3.143	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	52445	2.972	ng	# 94
88) Benzo(b)fluoranthene	15.010	252	182192	9.955	ng	# 94
89) Benzo(k)fluoranthene	15.010	252	182192	9.993	ng	# 96
90) Benzo(a)pyrene	15.374	252	89938	5.271	ng	# 93
92) Benzo(g,h,i)perylene	17.374	276	56373	3.875	ng	# 92

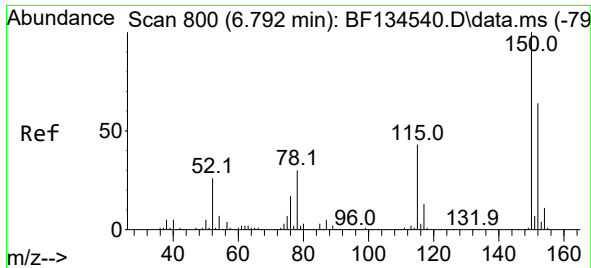
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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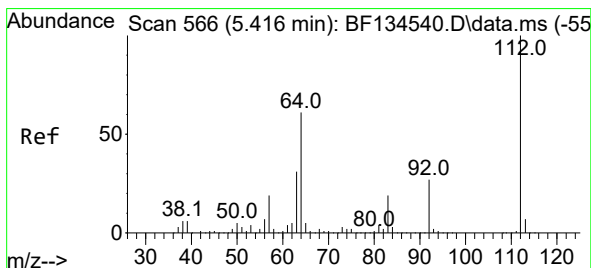
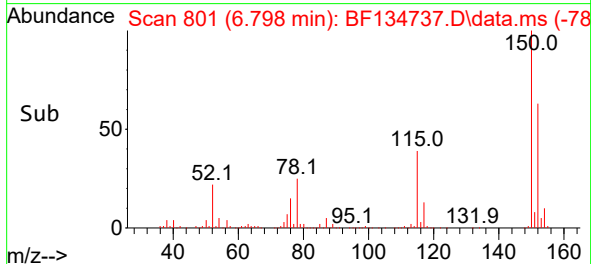
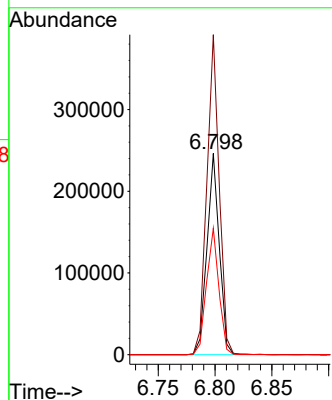
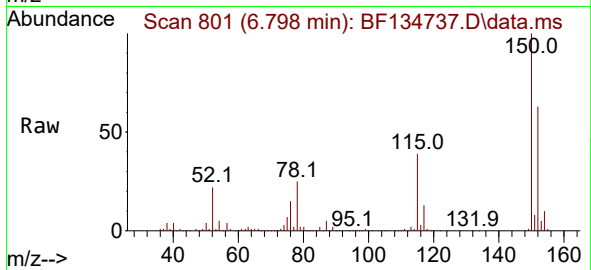




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

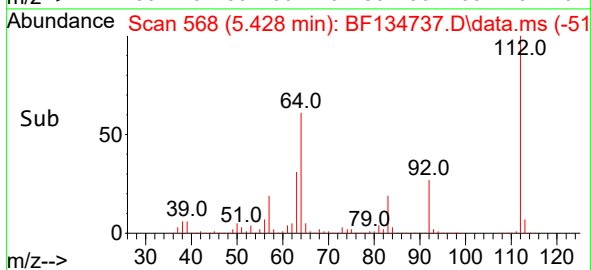
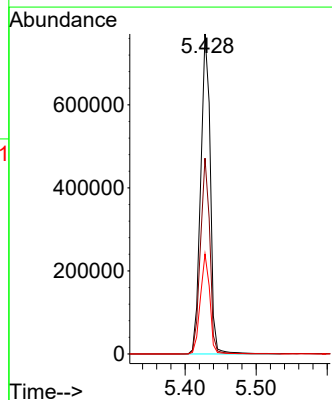
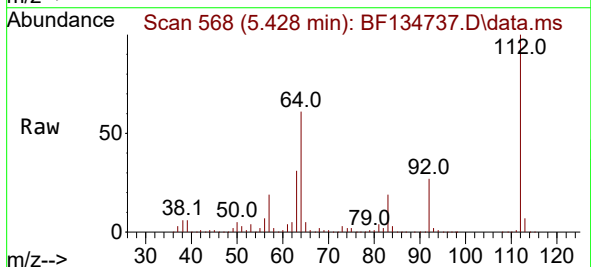
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BNA_F
ClientSampleId :
B-PP02A

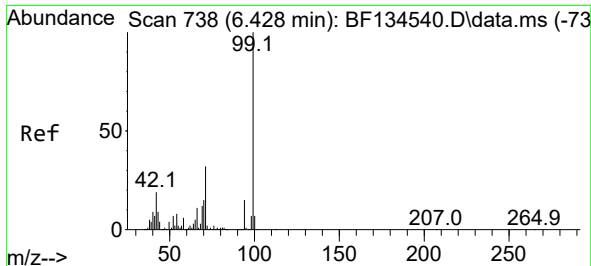
Tgt Ion:152 Resp: 185633
Ion Ratio Lower Upper
152 100
150 159.0 128.3 192.5
115 62.8 52.4 78.6



#5
2-Fluorophenol
Concen: 59.699 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion:112 Resp: 729040
Ion Ratio Lower Upper
112 100
64 61.2 44.9 67.3
63 31.2 25.4 38.0

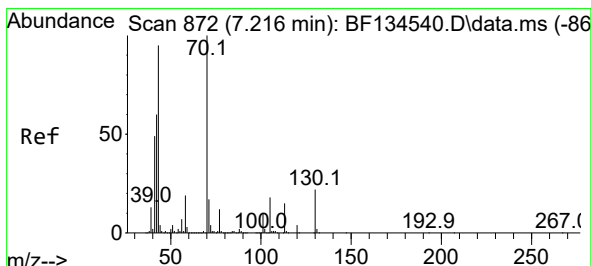
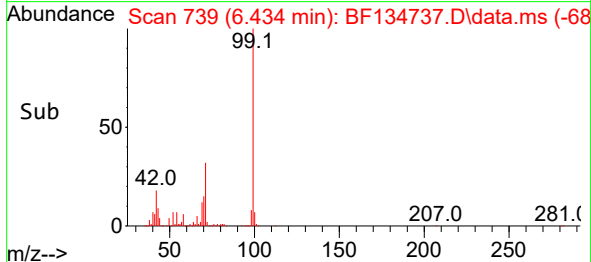
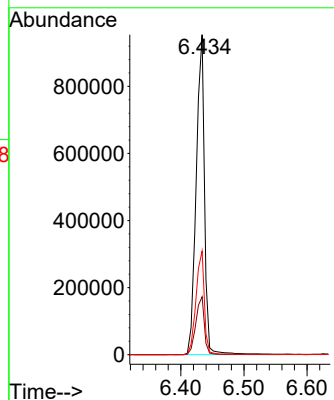
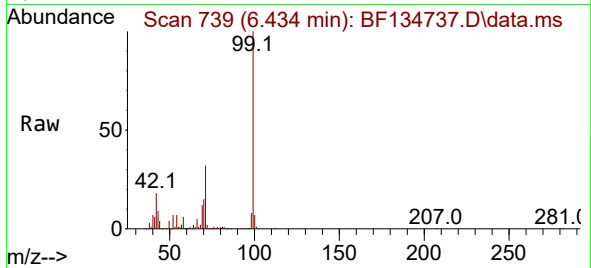




#7
Phenol-d6
Concen: 56.152 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

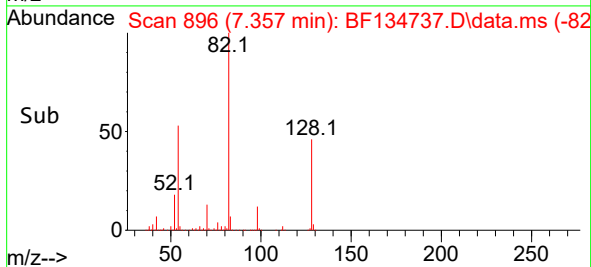
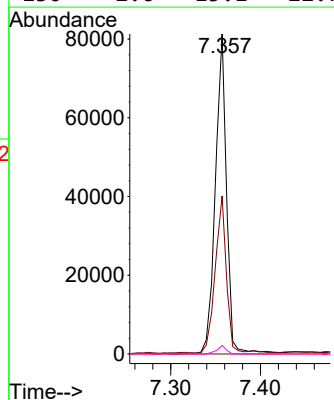
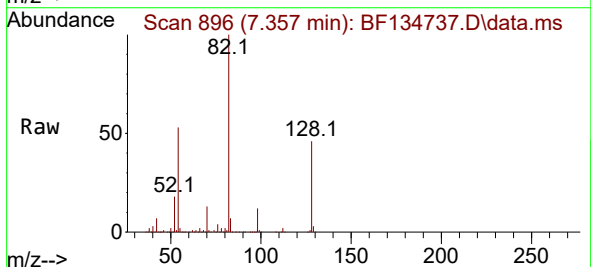
Instrument :
BNA_F
ClientSampleId :
B-PP02A

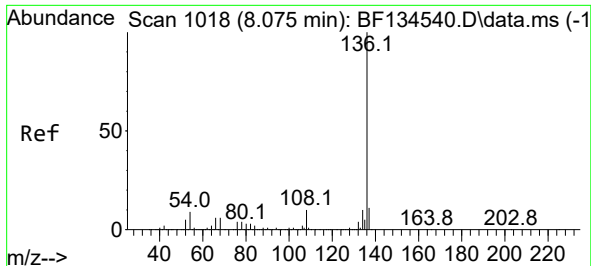
Tgt Ion: 99 Resp: 876561
Ion Ratio Lower Upper
99 100
42 18.1 18.7 28.1#
71 32.4 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.563 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

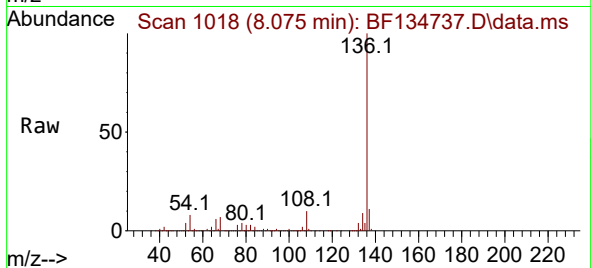
Tgt Ion: 70 Resp: 70691
Ion Ratio Lower Upper
70 100
42 49.4 54.7 82.1#
101 0.0 8.2 12.2#
130 2.6 15.1 22.7#



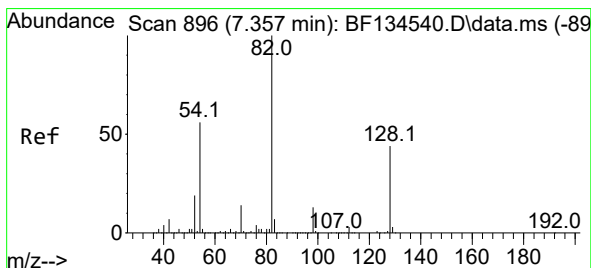
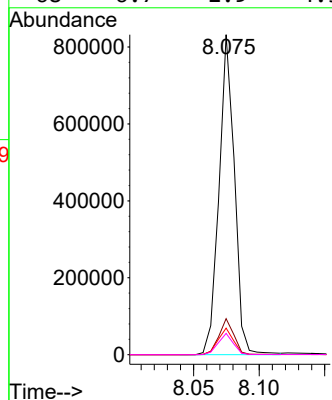
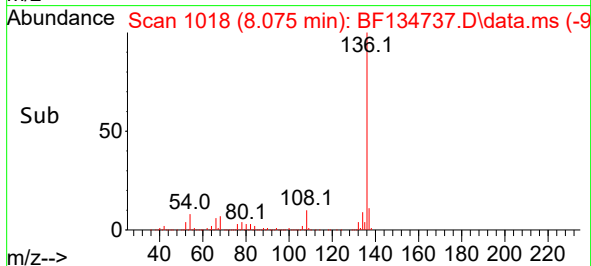


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Instrument :
BNA_F
ClientSampleId :
B-PP02A

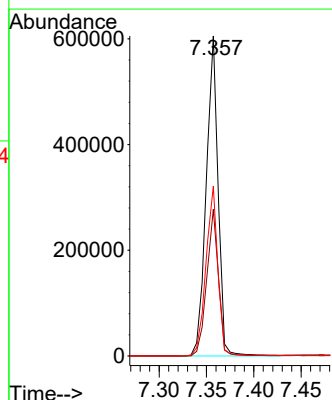
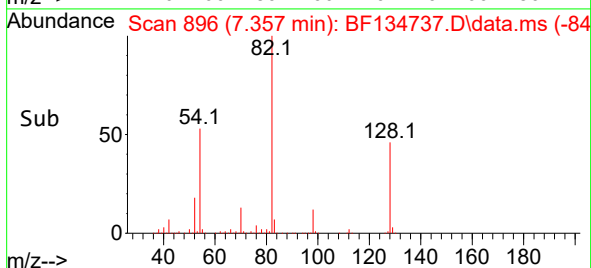
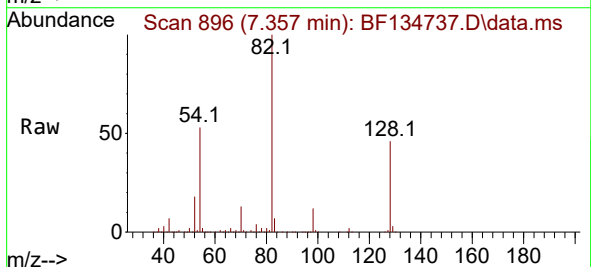


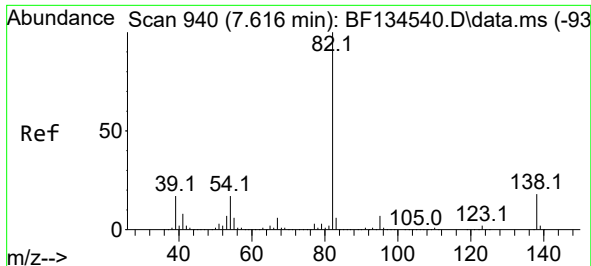
Tgt Ion:136 Resp: 680200
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.3 5.2 7.8#
68 6.7 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 48.331 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion: 82 Resp: 526055
Ion Ratio Lower Upper
82 100
128 45.8 34.3 51.5
54 53.0 43.8 65.6

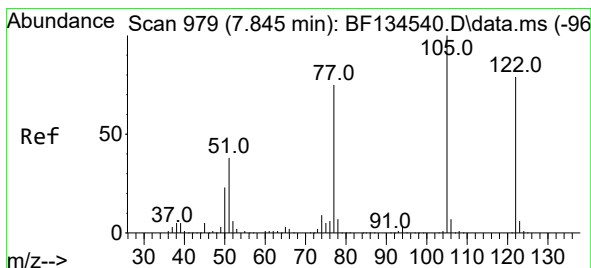
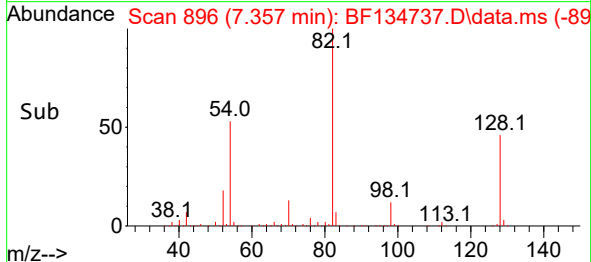
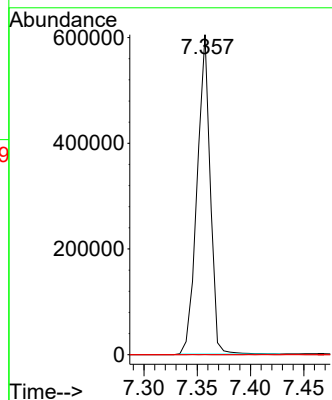
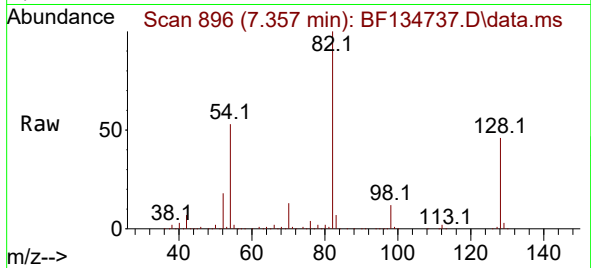




#25
Isophorone
Concen: 21.816 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

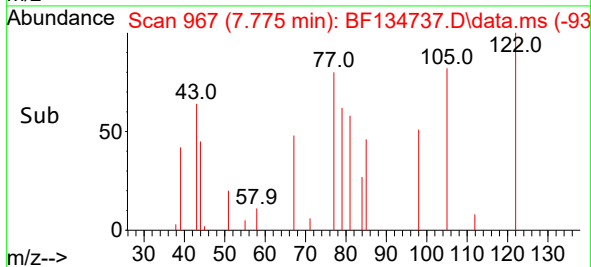
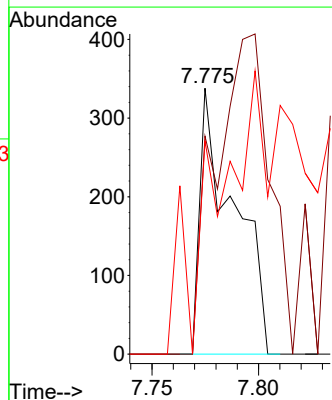
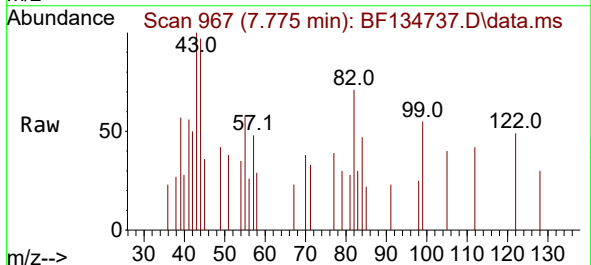
Instrument :
BNA_F
ClientSampleId :
B-PP02A

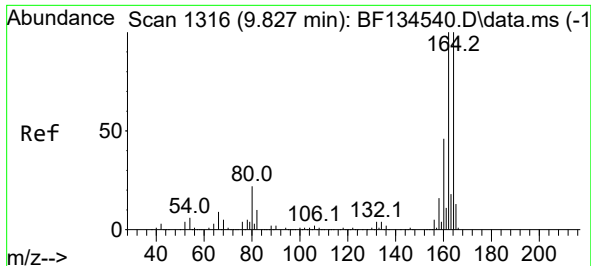
Tgt Ion: 82 Resp: 517908
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.912 ng
RT: 7.775 min Scan# 967
Delta R.T. -0.088 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion: 122 Resp: 374
Ion Ratio Lower Upper
122 100
105 82.0 87.5 127.5#
77 80.2 71.4 111.4

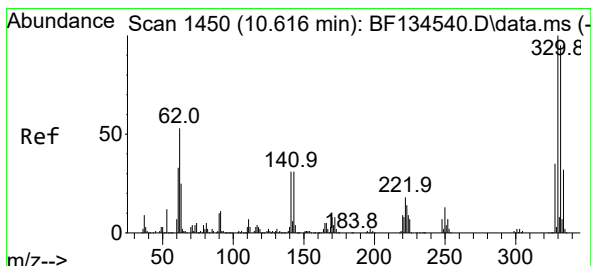
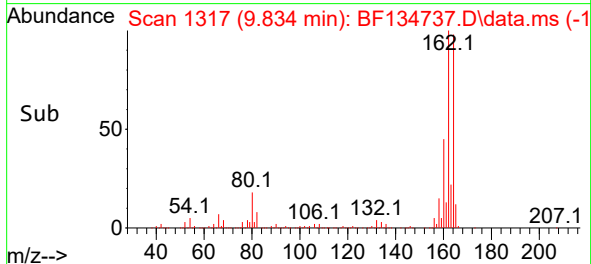
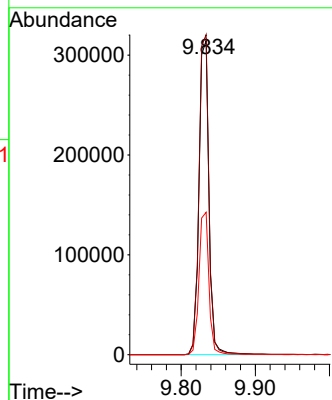
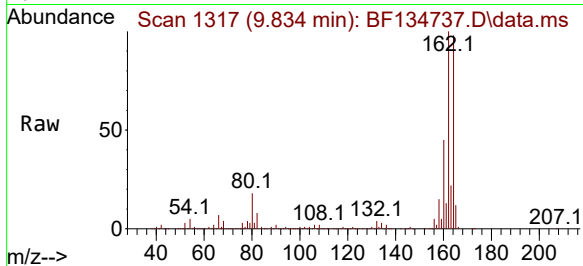




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

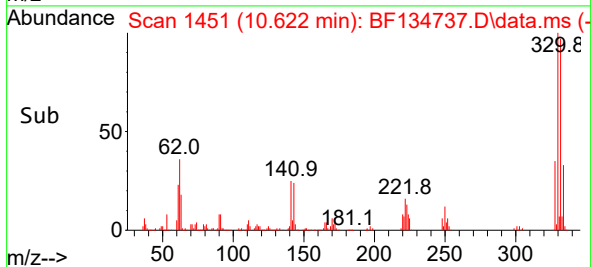
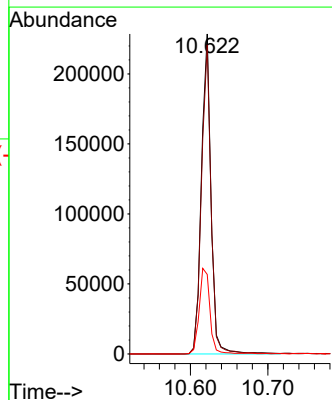
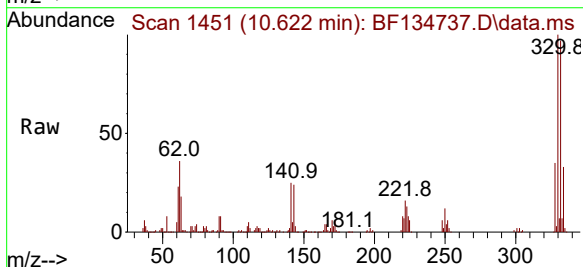
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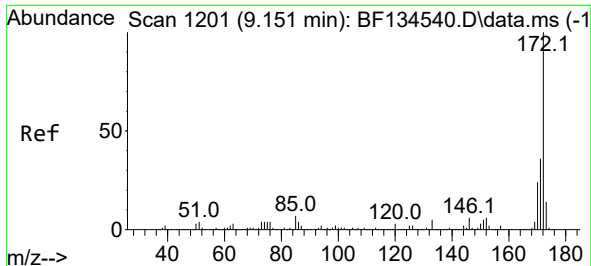
Tgt Ion:164 Resp: 291360
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 45.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 66.040 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion:330 Resp: 196149
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 29.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 53.610 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

Instrument :

BNA_F

ClientSampleId :

B-PP02A

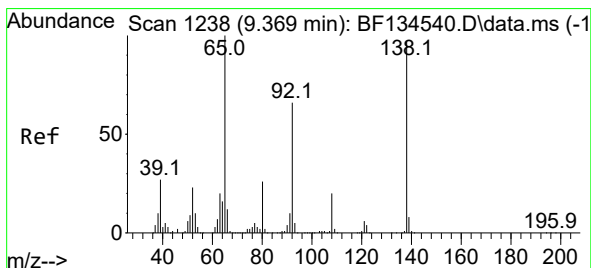
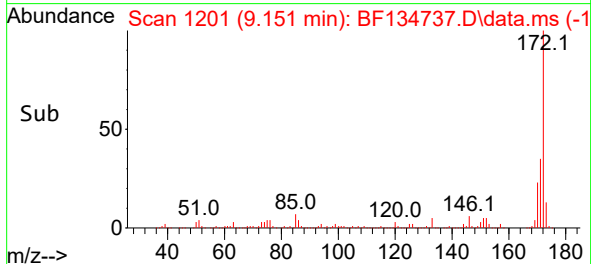
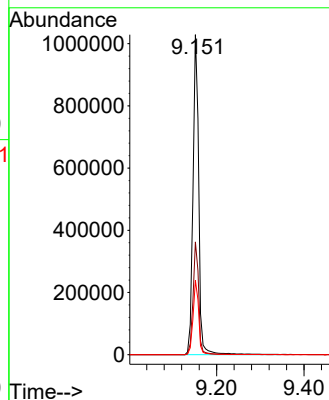
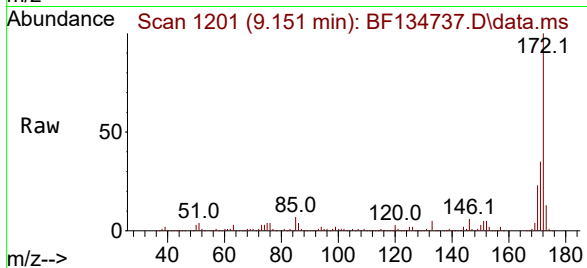
Tgt Ion:172 Resp: 939436

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.2 18.7 28.1



#48

2-Nitroaniline

Concen: 3.177 ng

RT: 9.381 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

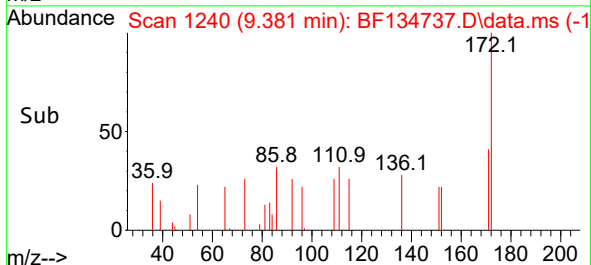
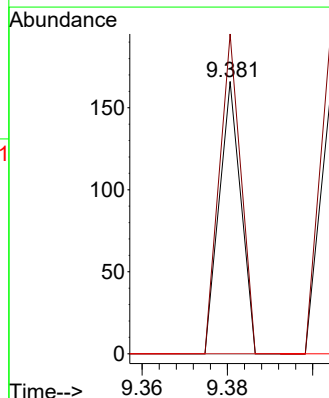
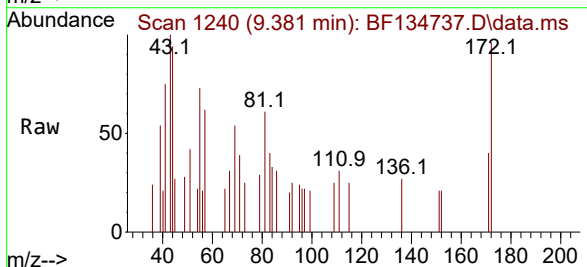
Tgt Ion: 65 Resp: 59

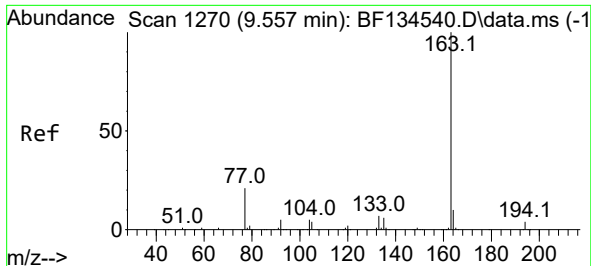
Ion Ratio Lower Upper

65 100

92 117.5 50.7 76.1#

138 0.0 78.2 117.4#

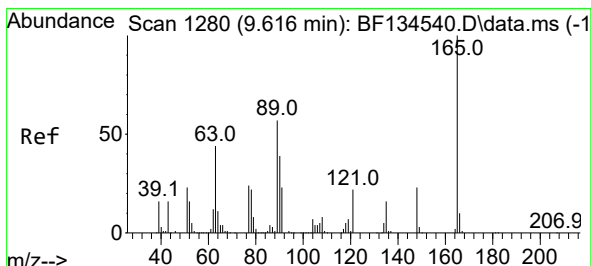
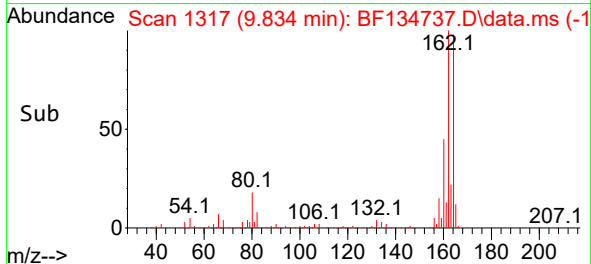
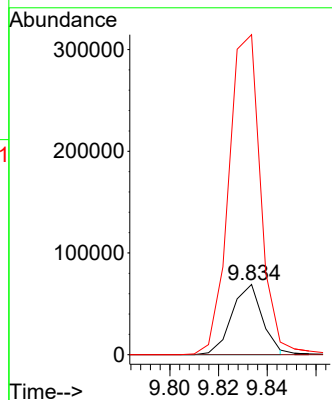
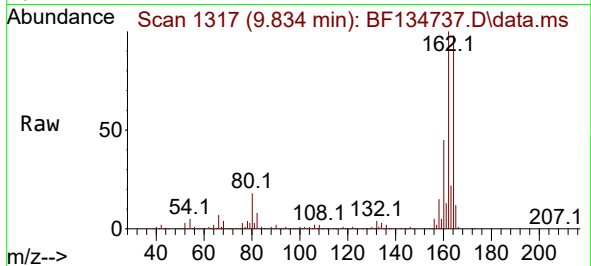




#50
Dimethylphthalate
Concen: 3.034 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

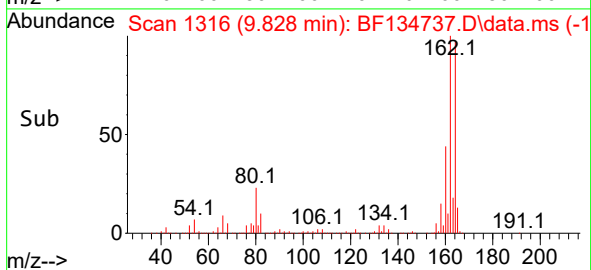
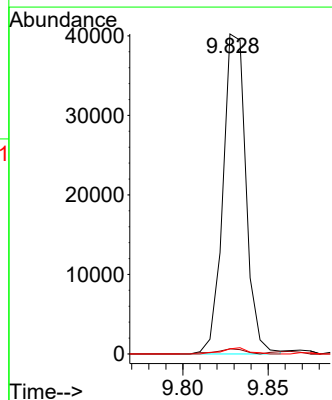
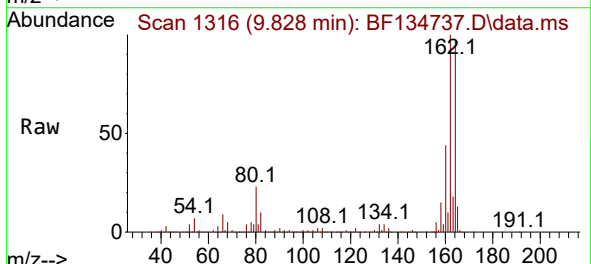
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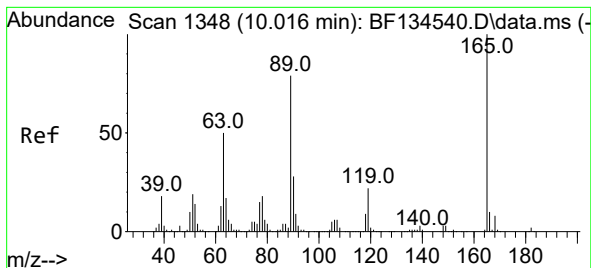
Tgt Ion:163 Resp: 60240
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 455.8 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.278 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion:165 Resp: 37693
Ion Ratio Lower Upper
165 100
63 1.6 57.8 86.6#
89 1.6 51.8 77.8#

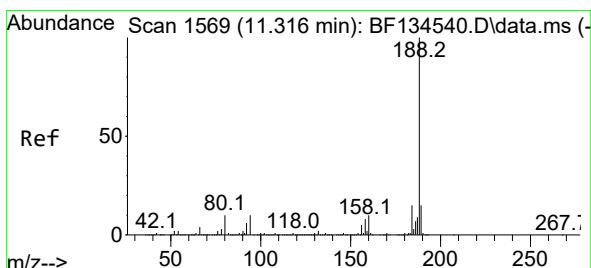
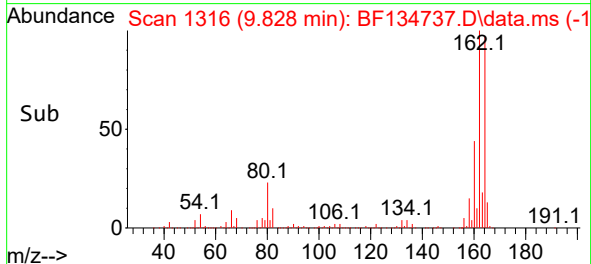
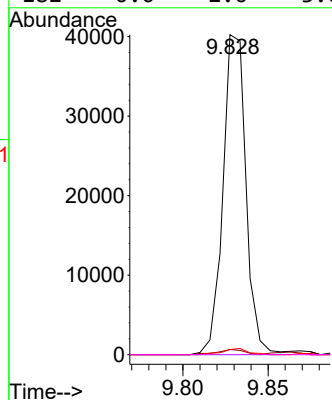
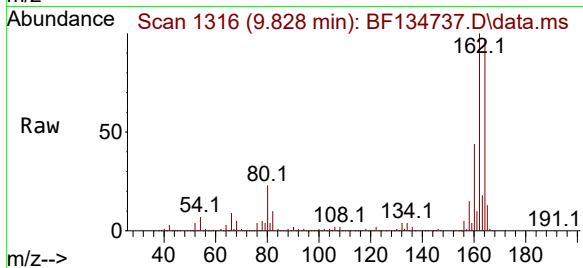




#57
2,4-Dinitrotoluene
Concen: 10.065 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

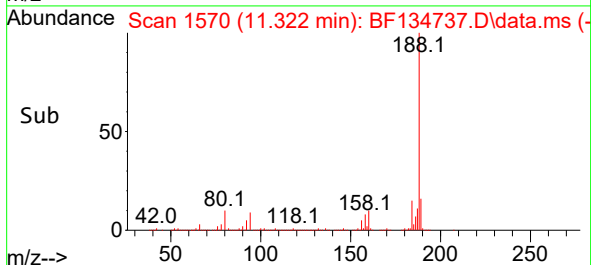
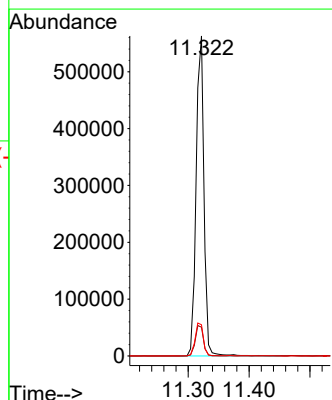
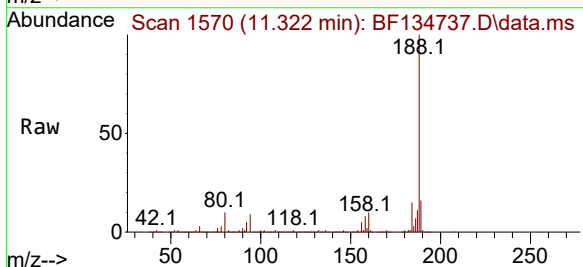
Instrument :
BNA_F
ClientSampleId :
B-PP02A

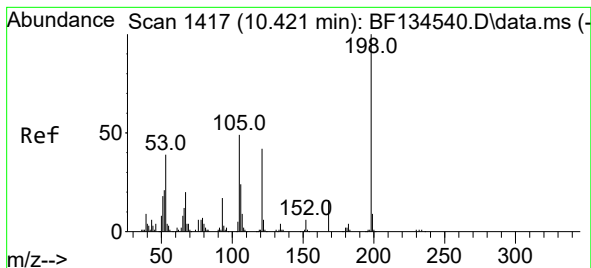
Tgt Ion:165 Resp: 37693
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 1.6 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion:188 Resp: 500991
Ion Ratio Lower Upper
188 100
94 9.0 5.1 7.7#
80 9.8 6.6 9.8

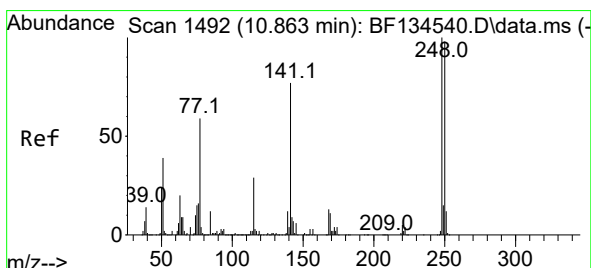
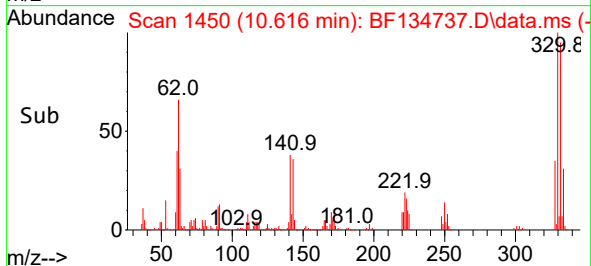
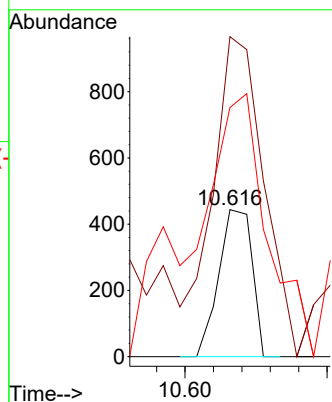
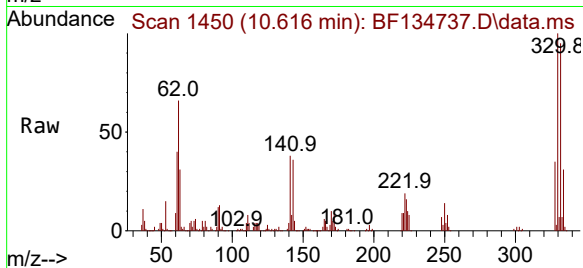




#65
4,6-Dinitro-2-methylphenol
Concen: 8.845 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.177 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

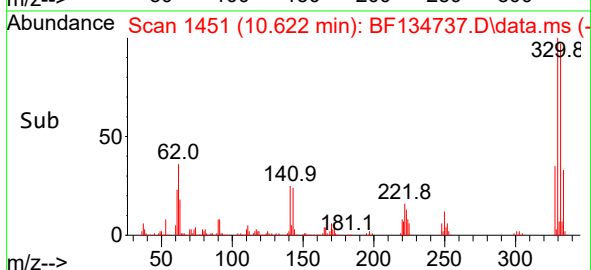
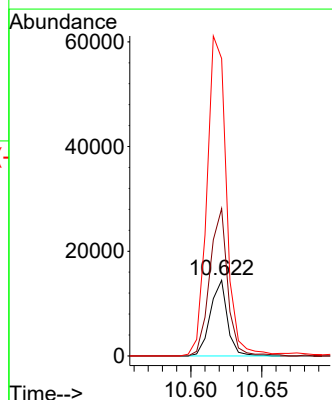
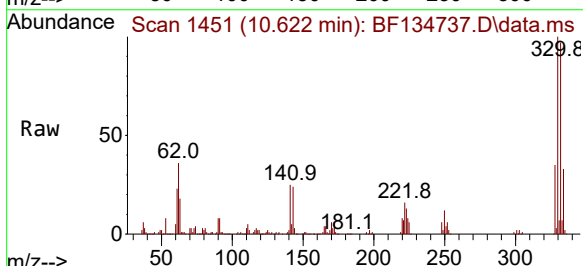
Instrument :
BNA_F
ClientSampleId :
B-PP02A

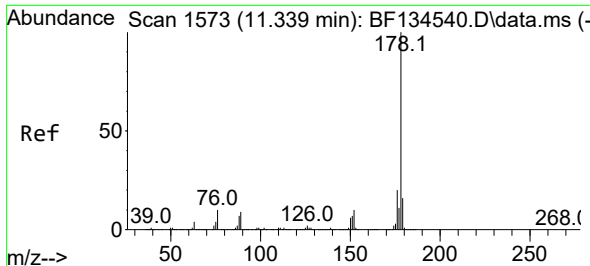
Tgt Ion:198 Resp: 362
Ion Ratio Lower Upper
198 100
51 217.6 38.6 78.6#
105 169.4 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.217 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion:248 Resp: 12158
Ion Ratio Lower Upper
248 100
250 194.7 79.6 119.4#
141 392.9 59.6 89.4#

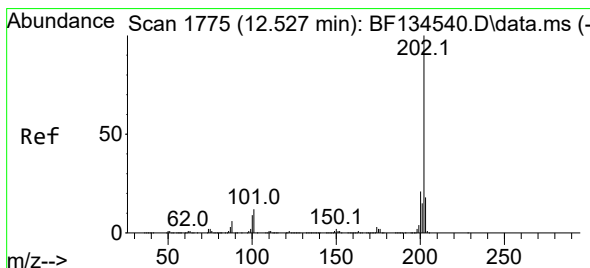
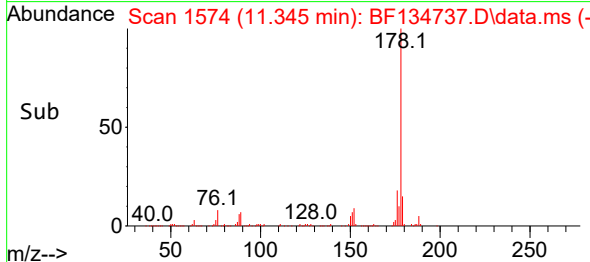
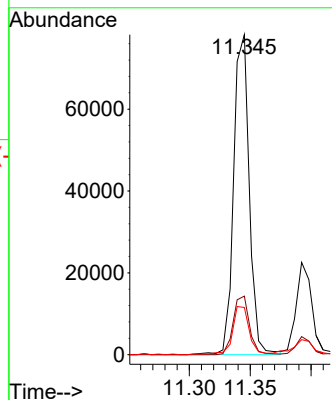
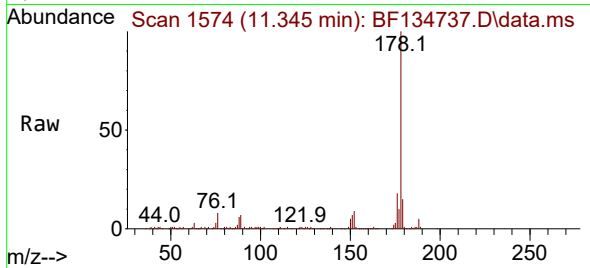




#71
Phenanthrene
Concen: 2.629 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

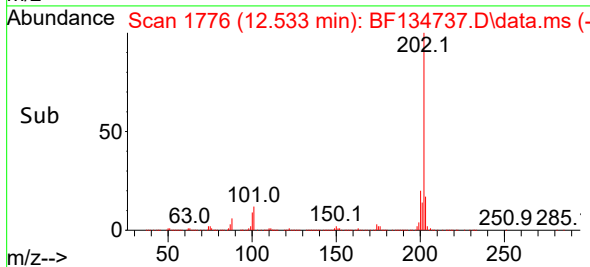
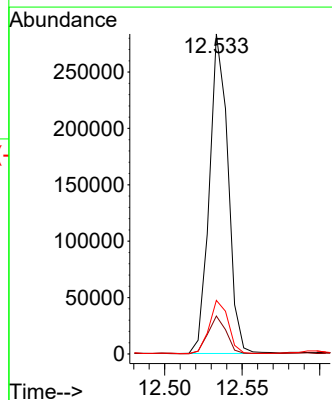
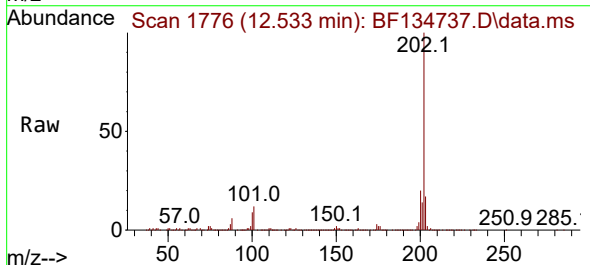
Instrument :
BNA_F
ClientSampleId :
B-PP02A

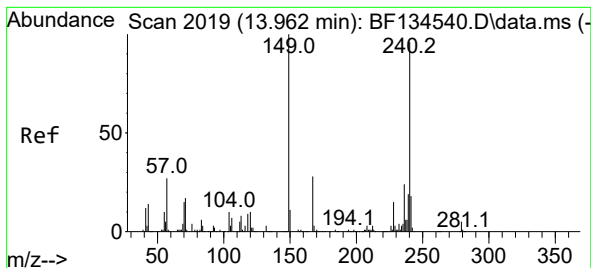
Tgt Ion:178 Resp: 69972
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 14.8 12.7 19.1



#75
Fluoranthene
Concen: 8.421 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion:202 Resp: 236710
Ion Ratio Lower Upper
202 100
101 11.9 0.0 28.5
203 16.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

Instrument :

BNA_F

ClientSampleId :

B-PP02A

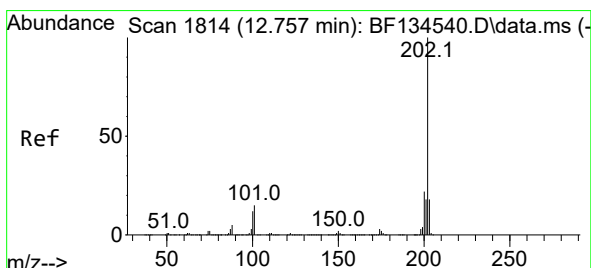
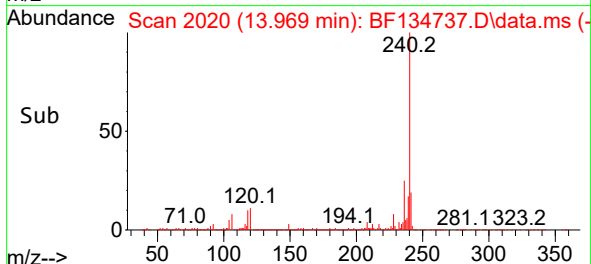
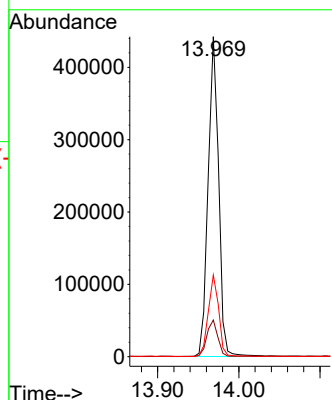
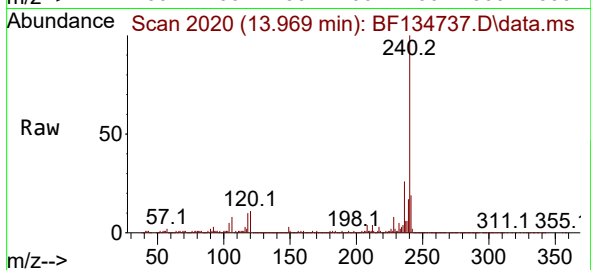
Tgt Ion:240 Resp: 396500

Ion Ratio Lower Upper

240 100

120 11.5 6.6 10.0#

236 25.5 20.2 30.2



#78

Pyrene

Concen: 7.079 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

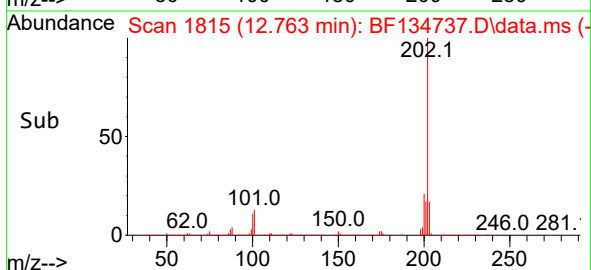
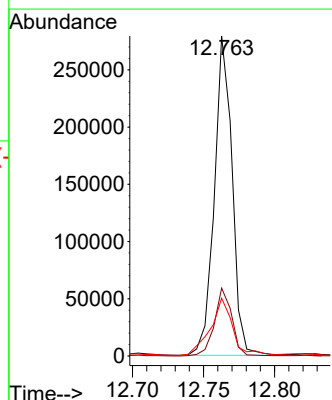
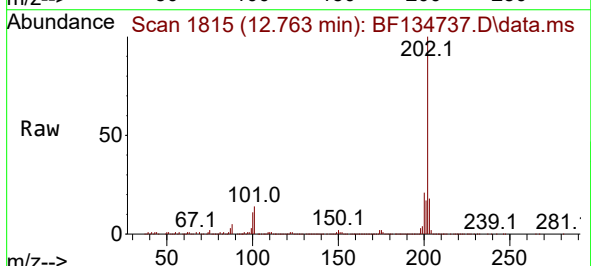
Tgt Ion:202 Resp: 242892

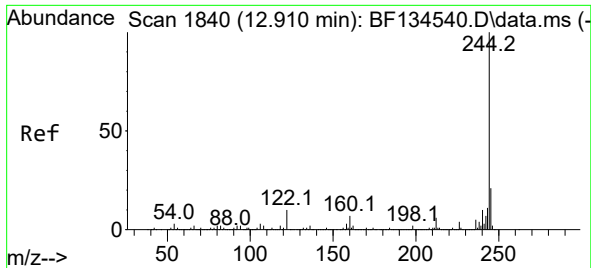
Ion Ratio Lower Upper

202 100

200 21.2 15.8 23.8

203 18.1 13.5 20.3

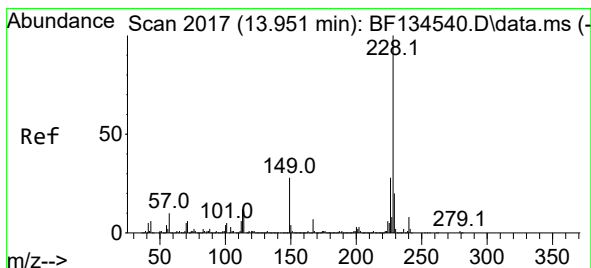
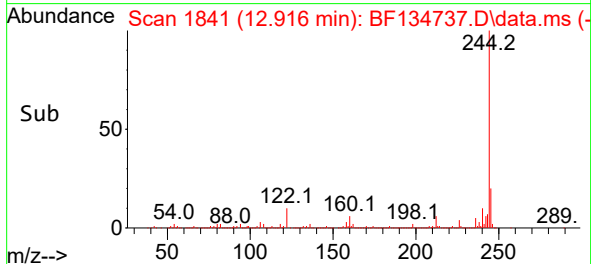
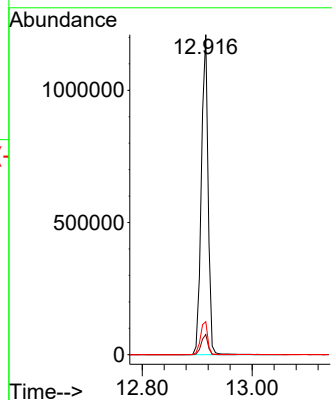
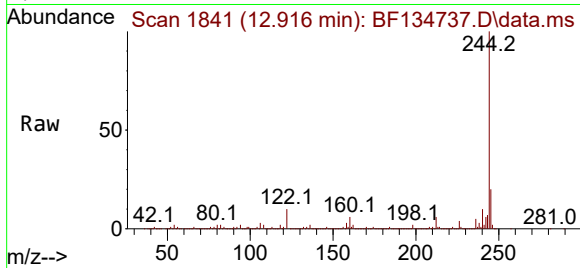




#79
 Terphenyl-d14
 Concen: 46.228 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134737.D
 Acq: 11 Aug 2023 17:38

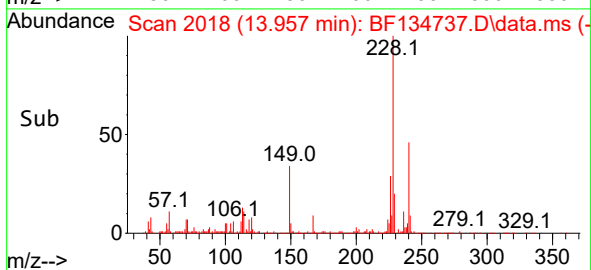
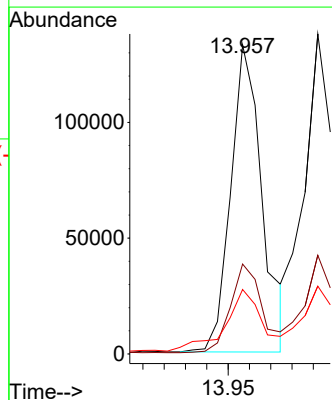
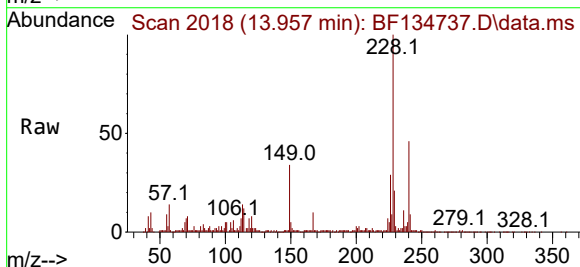
Instrument :
 BNA_F
 ClientSampleId :
 B-PP02A

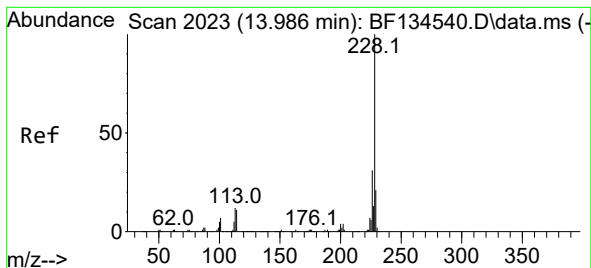
Tgt Ion:244 Resp: 1039753
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.3 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 4.794 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134737.D
 Acq: 11 Aug 2023 17:38

Tgt Ion:228 Resp: 135904
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.3 33.5
 229 20.9 15.8 23.6





#83

Chrysene

Concen: 4.813 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

Instrument :

BNA_F

ClientSampleId :

B-PP02A

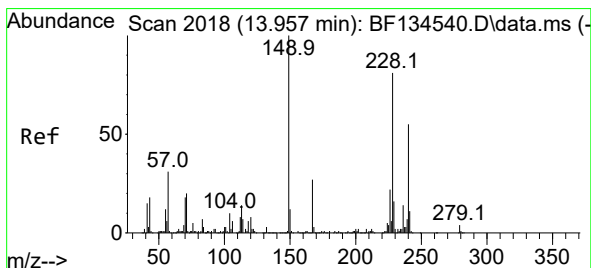
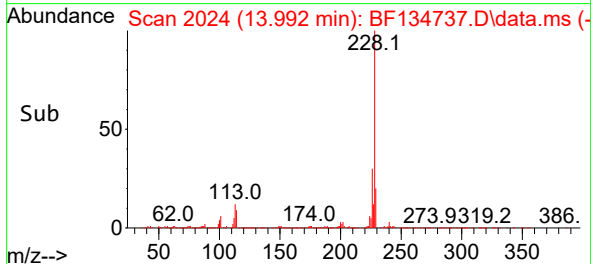
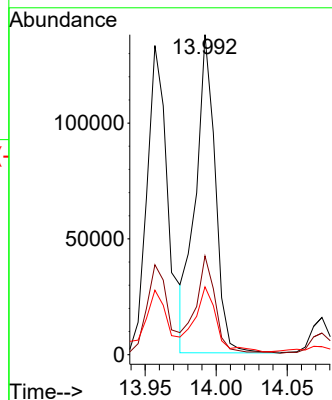
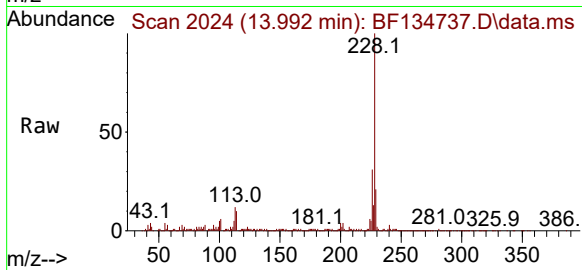
Tgt Ion:228 Resp: 132932

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 21.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.143 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

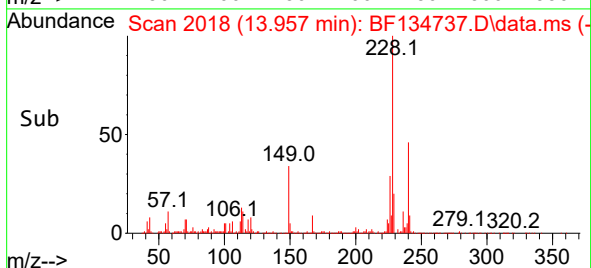
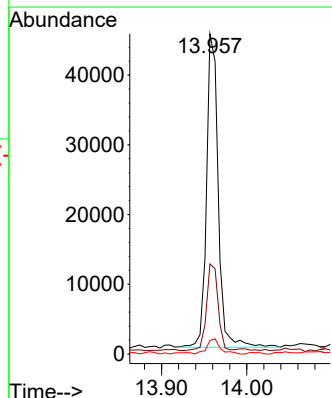
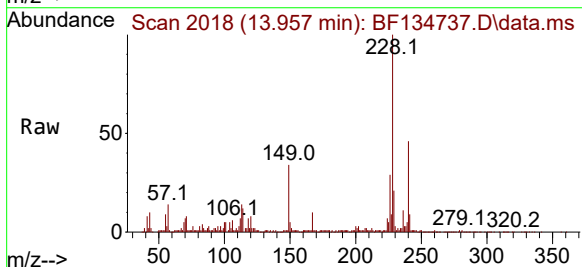
Tgt Ion:149 Resp: 42912

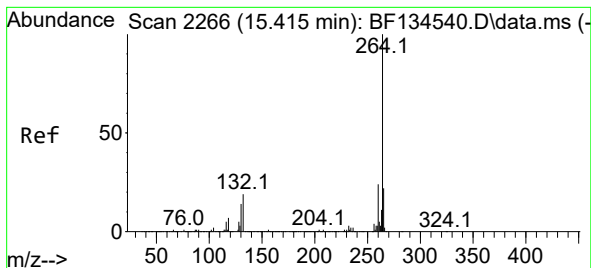
Ion Ratio Lower Upper

149 100

167 28.1 21.6 32.4

279 4.3 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

Instrument :

BNA_F

ClientSampleId :

B-PP02A

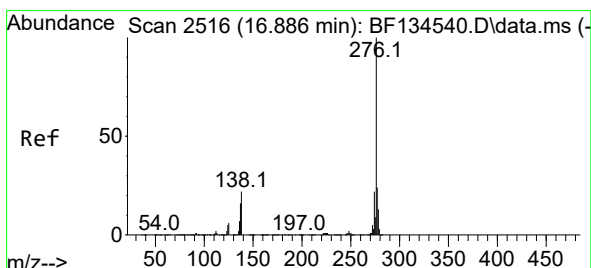
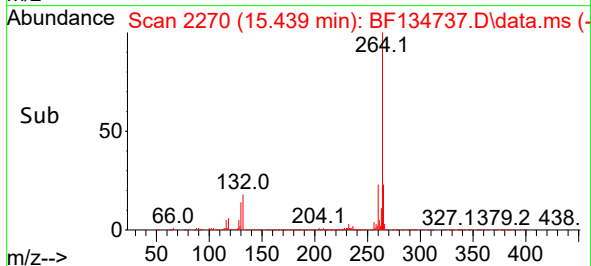
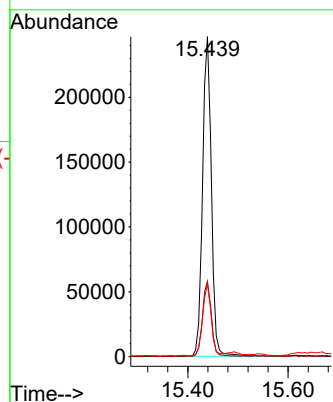
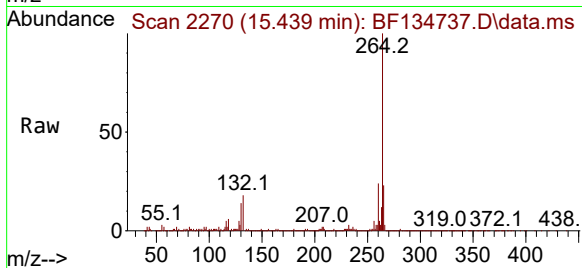
Tgt Ion:264 Resp: 300085

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.7 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.972 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.006 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

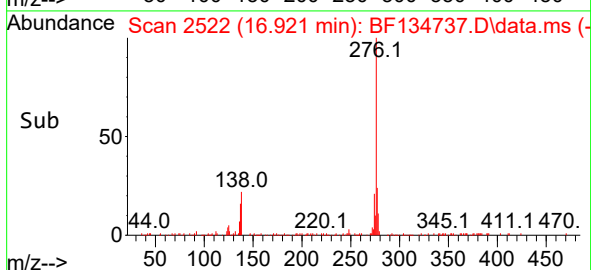
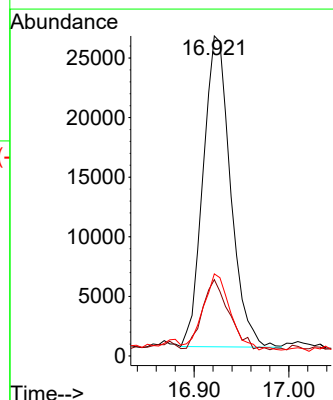
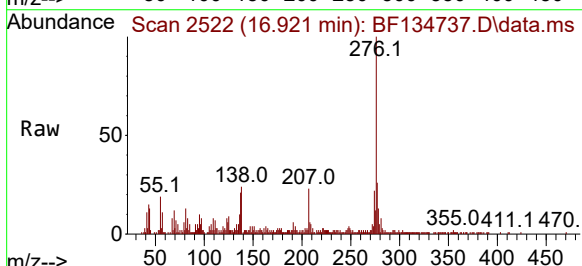
Tgt Ion:276 Resp: 52445

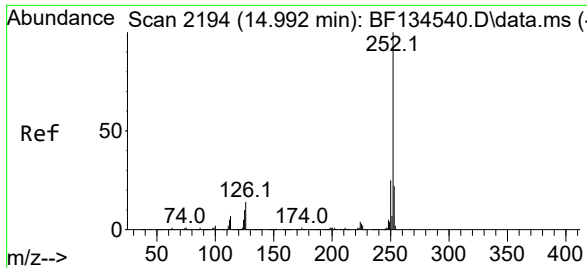
Ion Ratio Lower Upper

276 100

138 22.2 14.2 21.4#

277 26.6 19.9 29.9

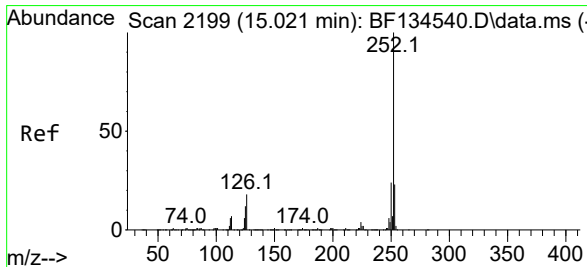
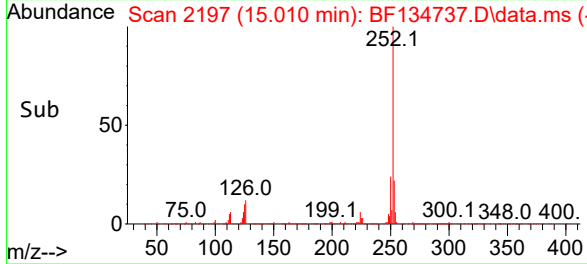
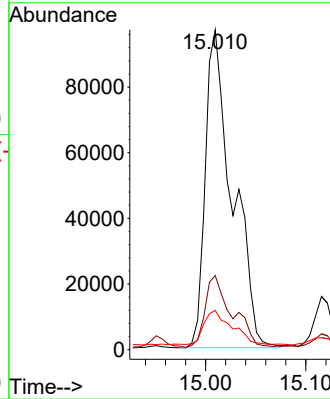
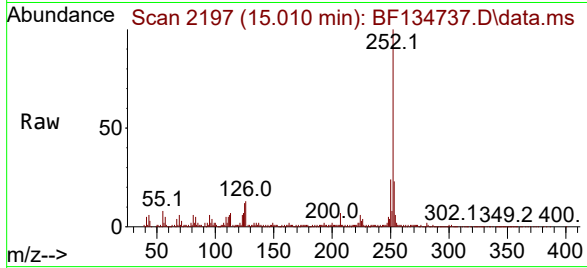




#88
Benzo(b)fluoranthene
Concen: 9.955 ng
RT: 15.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

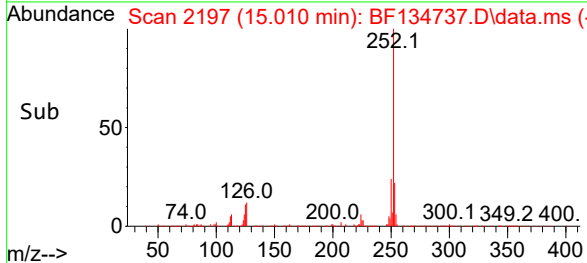
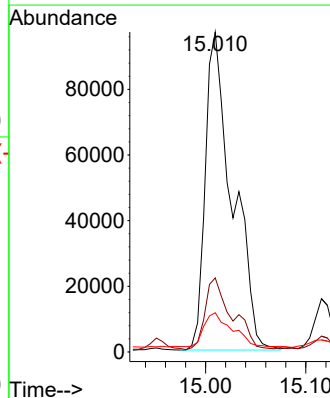
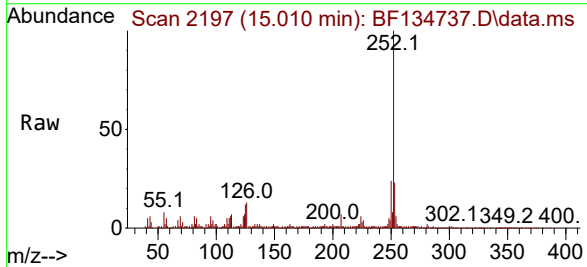
Instrument :
BNA_F
ClientSampleId :
B-PP02A

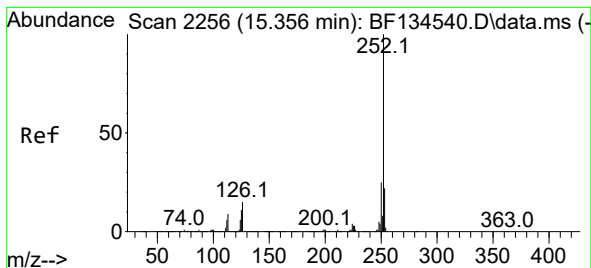
Tgt Ion:252 Resp: 182192
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 12.3 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 9.993 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.029 min
Lab File: BF134737.D
Acq: 11 Aug 2023 17:38

Tgt Ion:252 Resp: 182192
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 12.3 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 5.271 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

Instrument :

BNA_F

ClientSampleId :

B-PP02A

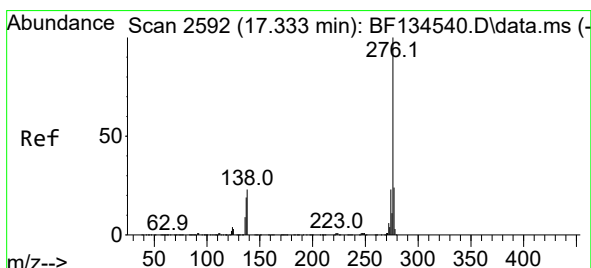
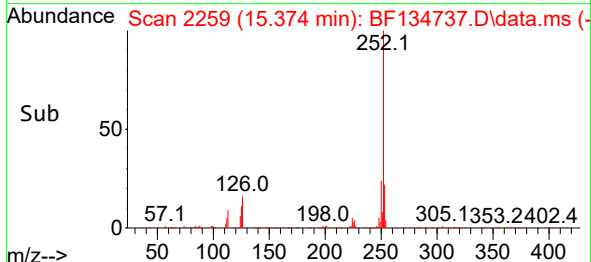
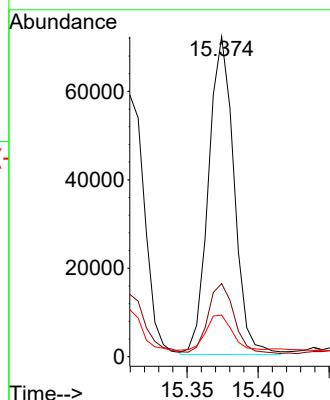
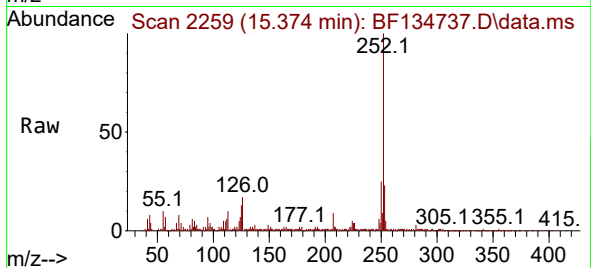
Tgt Ion:252 Resp: 89938

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 13.0 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 3.875 ng

RT: 17.374 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF134737.D

Acq: 11 Aug 2023 17:38

Tgt Ion:276 Resp: 56373

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 23.1 12.2 18.2#

