

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134619.D
 Acq On : 03 Aug 2023 18:53
 Operator : CG\JU
 Sample : 03686-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

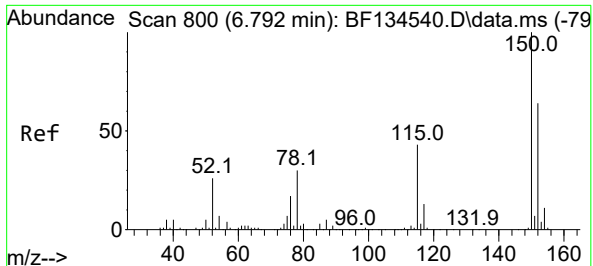
Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL

Quant Time: Aug 04 01:10:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	164971	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	583713	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	250540	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	459527	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	265541	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	231291	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	828917	76.379	ng	0.00
7) Phenol-d6	6.428	99	1008934	72.726	ng	0.00
23) Nitrobenzene-d5	7.357	82	549203	58.798	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	216039	84.588	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	949654	63.023	ng	0.00
79) Terphenyl-d14	12.916	244	1027900	68.240	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	5067	Below Cal	#	69
19) n-Nitroso-di-n-propyla...	7.357	70	74856	9.012 ng	#	73
25) Isophorone	7.357	82	549192	26.957 ng	#	65
32) Benzoic acid	7.845	122	275	7.906 ng		89
48) 2-Nitroaniline	9.451	65	130	3.193 ng	#	8
50) Dimethylphthalate	9.551	163	180273	10.557 ng		98
51) 2,6-Dinitrotoluene	9.545	165	2381	3.141 ng	#	9
57) 2,4-Dinitrotoluene	9.828	165	32972	10.190 ng	#	18
65) 4,6-Dinitro-2-methylph...	10.622	198	469	8.906 ng	#	1
67) 4-Bromophenyl-phenylether	10.616	248	13627	2.709 ng	#	1
71) Phenanthrene	11.339	178	97050	3.976 ng		99
75) Fluoranthene	12.533	202	188567	7.314 ng		97
78) Pyrene	12.763	202	173406	7.547 ng		98
81) Benzo(a)anthracene	13.992	228	75180	3.959 ng		96
83) Chrysene	13.992	228	75180	4.064 ng		96
87) Indeno(1,2,3-cd)pyrene	16.909	276	29102	2.139 ng		94
88) Benzo(b)fluoranthene	15.004	252	111990	7.939 ng	#	94
89) Benzo(k)fluoranthene	15.004	252	111990	7.970 ng	#	96
90) Benzo(a)pyrene	15.368	252	48611	3.696 ng	#	89
92) Benzo(g,h,i)perylene	17.362	276	27684	2.469 ng	#	80

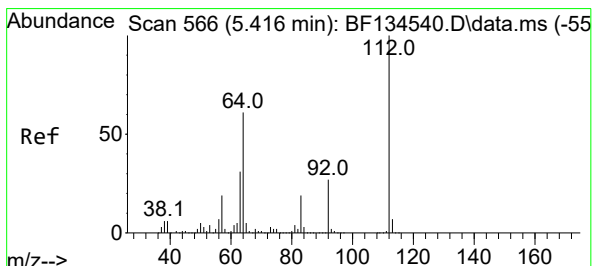
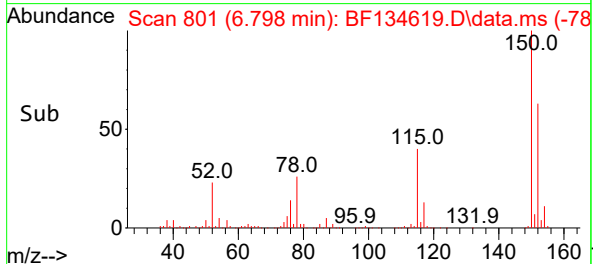
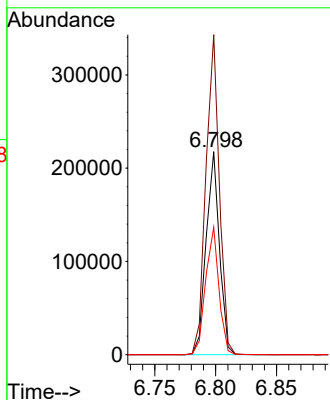
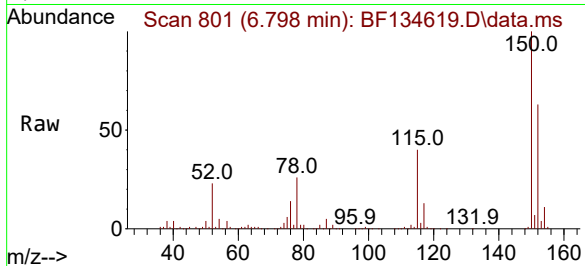
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: BF134619.D
 Acq: 03 Aug 2023 18:53

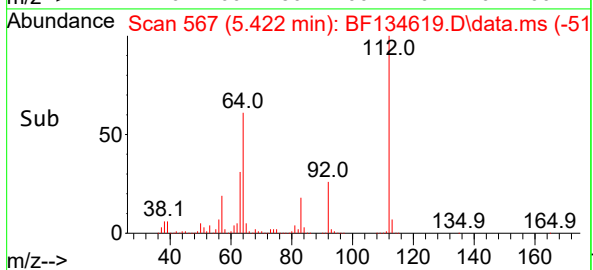
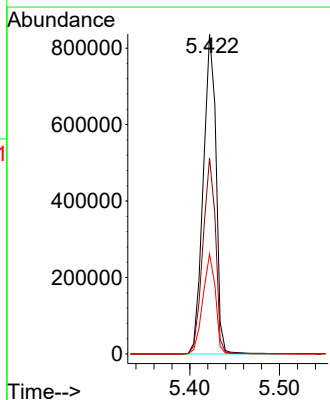
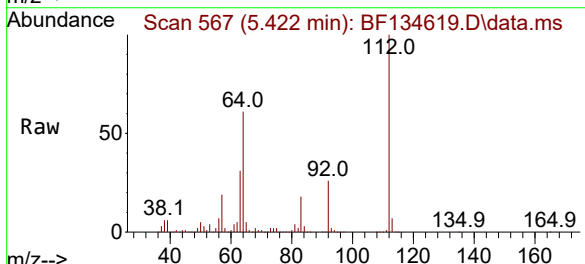
Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL

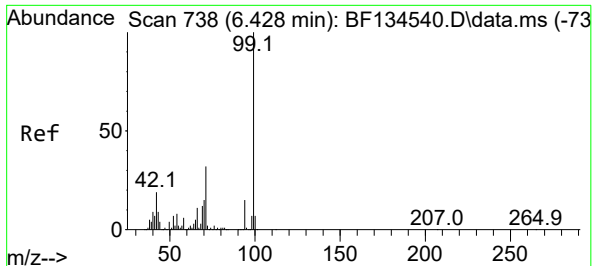
Tgt Ion:152 Resp: 164971
 Ion Ratio Lower Upper
 152 100
 150 157.6 128.3 192.5
 115 62.7 52.4 78.6



#5
 2-Fluorophenol
 Concen: 76.379 ng
 RT: 5.422 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: BF134619.D
 Acq: 03 Aug 2023 18:53

Tgt Ion:112 Resp: 828917
 Ion Ratio Lower Upper
 112 100
 64 61.3 44.9 67.3
 63 31.2 25.4 38.0

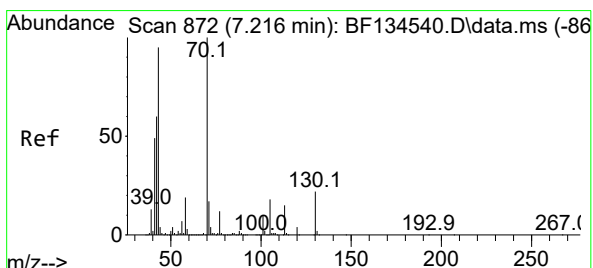
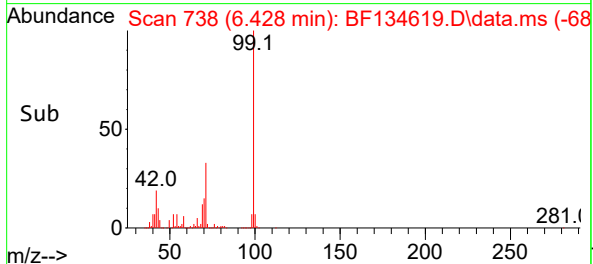
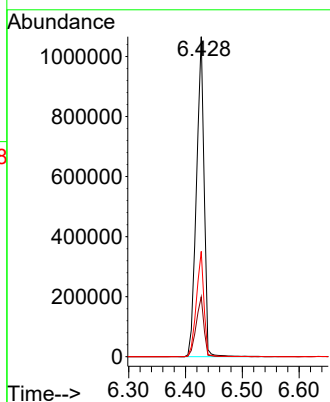
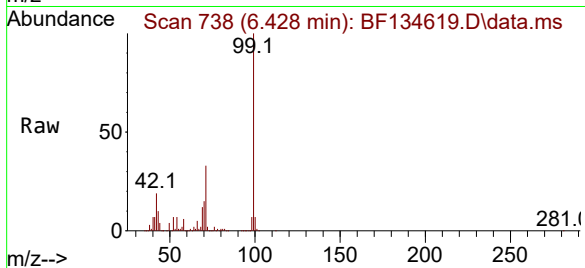




#7
Phenol-d6
Concen: 72.726 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

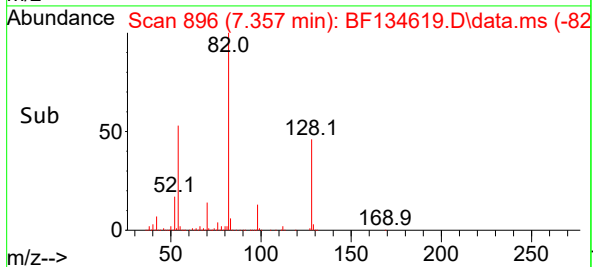
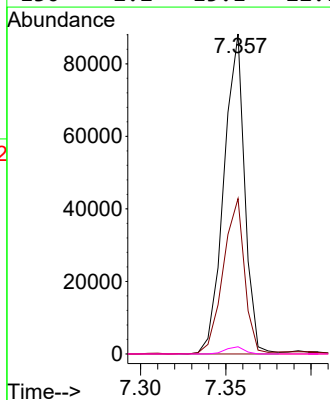
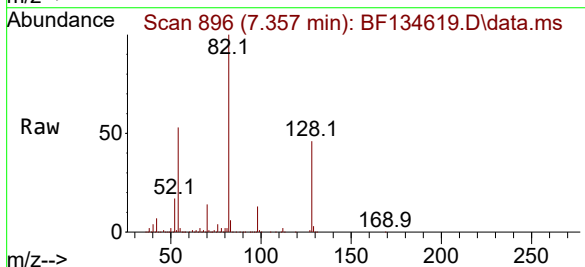
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

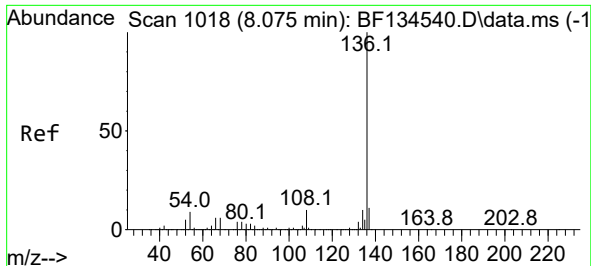
Tgt Ion: 99 Resp: 1008934
Ion Ratio Lower Upper
99 100
42 18.7 18.7 28.1#
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.012 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

Tgt Ion: 70 Resp: 74856
Ion Ratio Lower Upper
70 100
42 48.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#

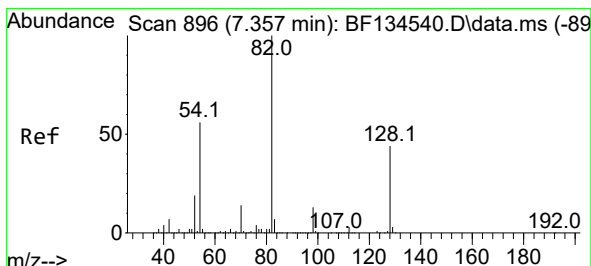
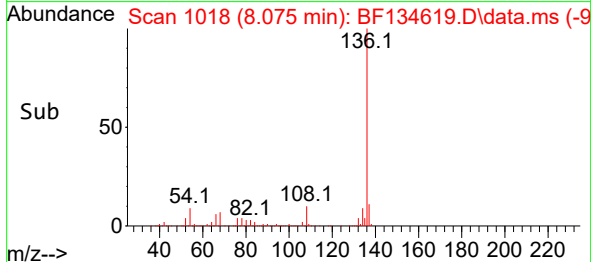
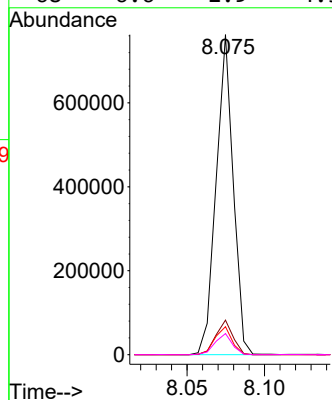
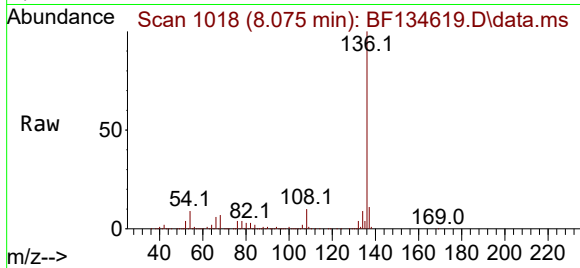




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

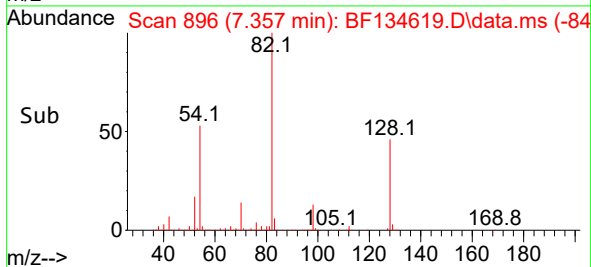
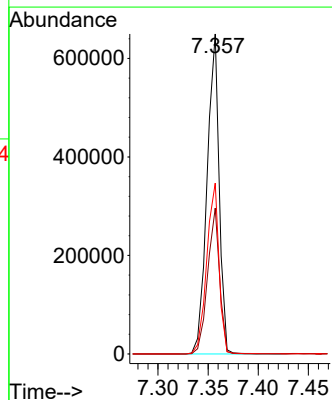
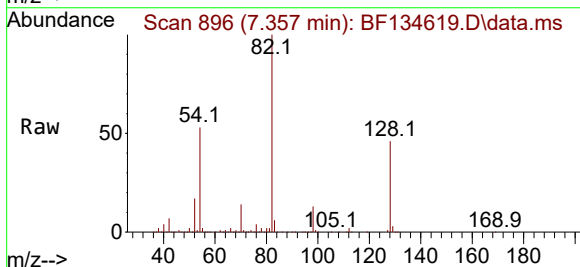
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

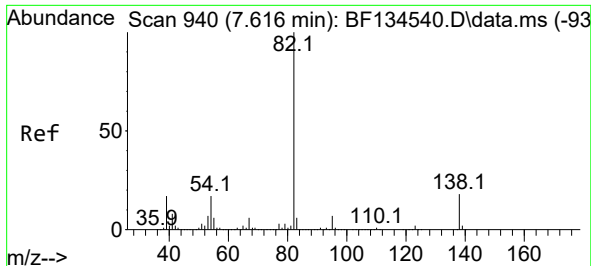
Tgt Ion:	136	Resp:	583713
Ion Ratio	100	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.8	5.2	7.8#
68	6.6	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 58.798 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

Tgt Ion:	82	Resp:	549203
Ion Ratio	100	Lower	Upper
82	100		
128	45.6	34.3	51.5
54	53.4	43.8	65.6

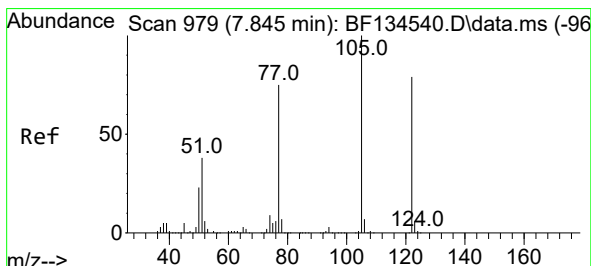
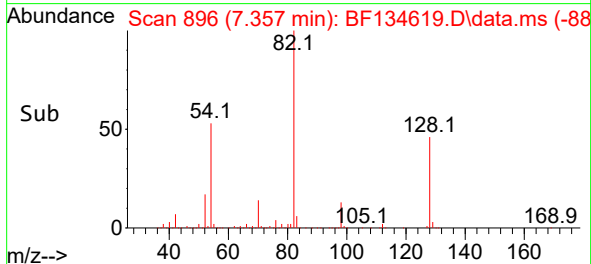
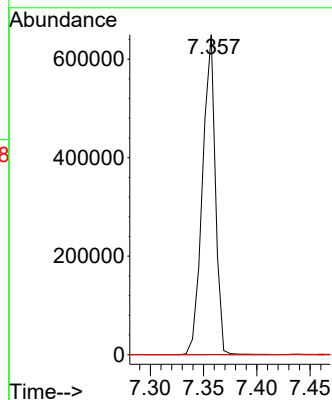
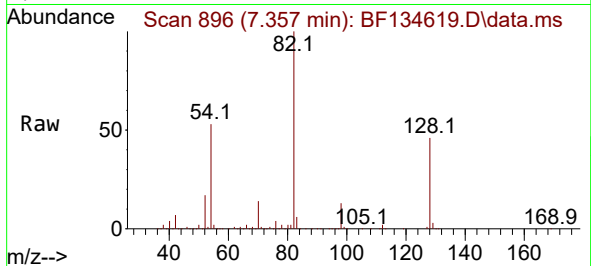




#25
Isophorone
Concen: 26.957 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.259 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

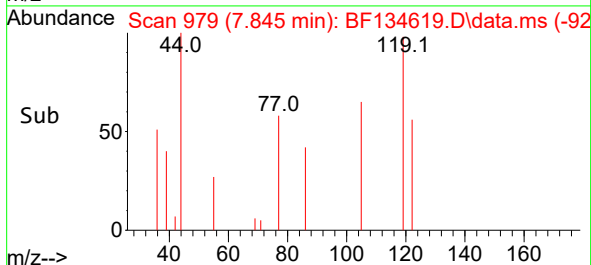
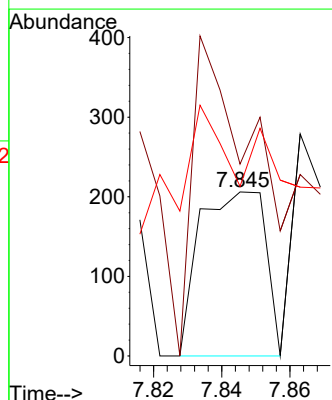
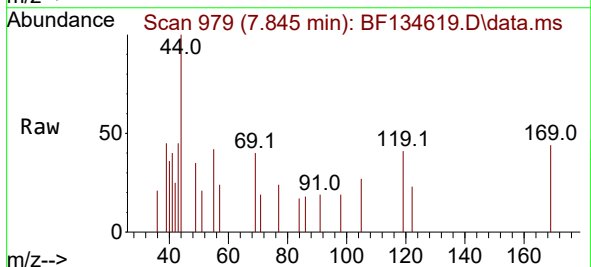
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

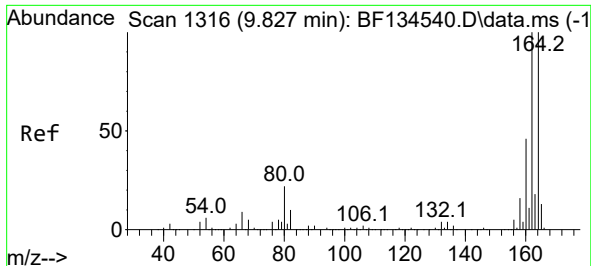
Tgt Ion: 82 Resp: 549192
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.906 ng
RT: 7.845 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

Tgt Ion:122 Resp: 275
Ion Ratio Lower Upper
122 100
105 117.0 87.5 127.5
77 103.4 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134619.D

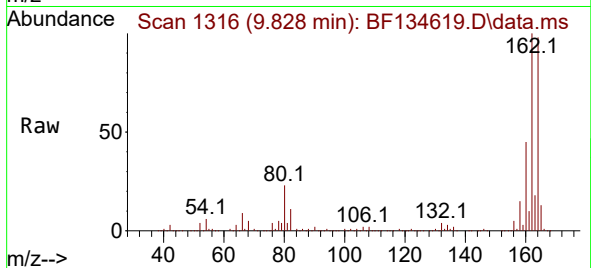
Acq: 03 Aug 2023 18:53

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL



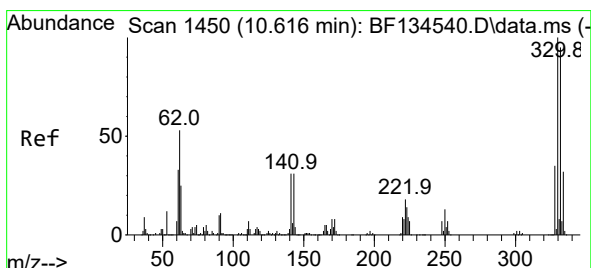
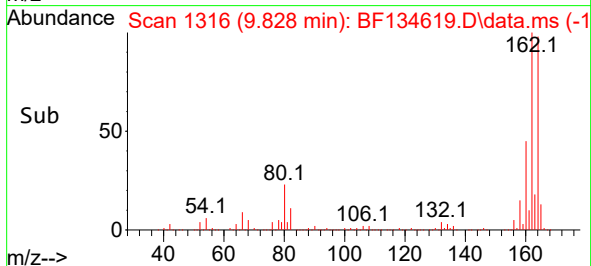
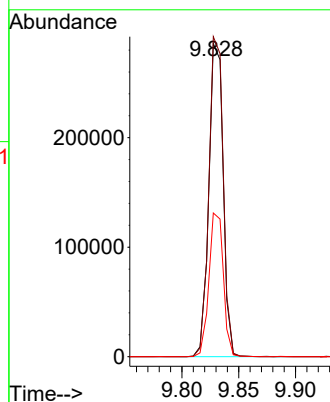
Tgt Ion:164 Resp: 250540

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

160 45.9 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 84.588 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

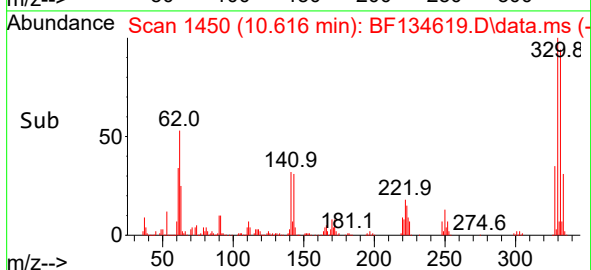
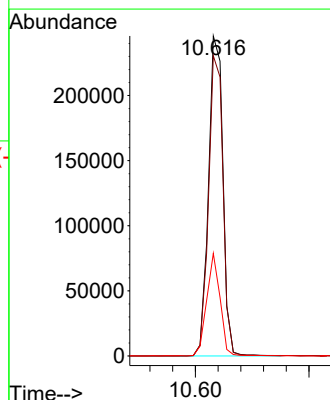
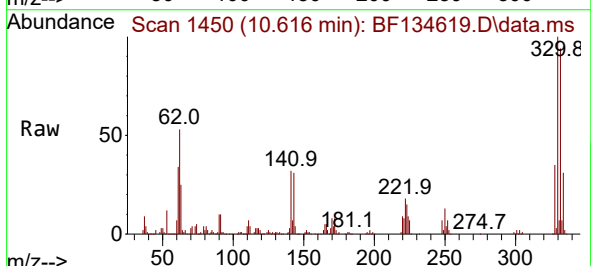
Tgt Ion:330 Resp: 216039

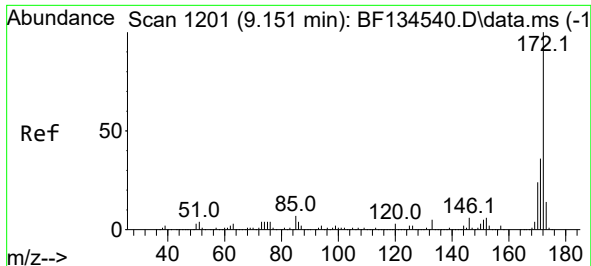
Ion Ratio Lower Upper

330 100

332 94.1 78.8 118.2

141 29.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 63.023 ng

RT: 9.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

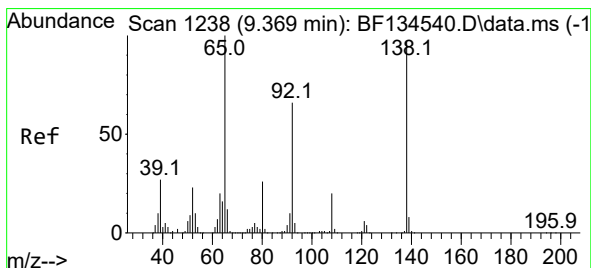
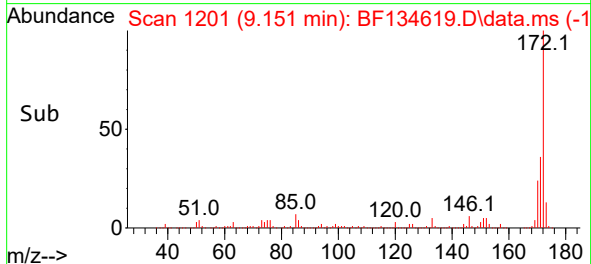
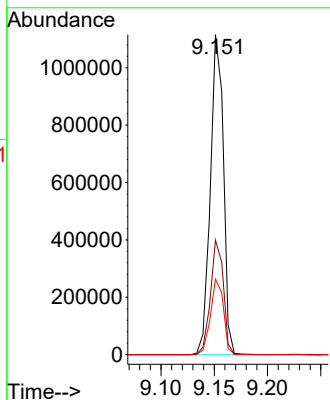
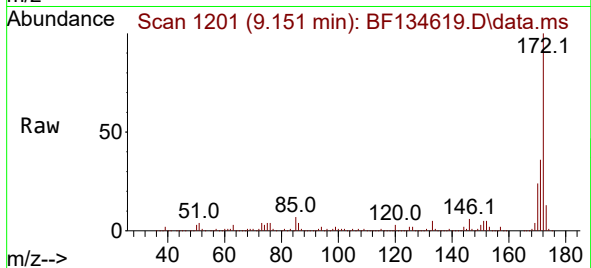
Tgt Ion:172 Resp: 949654

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.6 18.7 28.1



#48

2-Nitroaniline

Concen: 3.193 ng

RT: 9.451 min Scan# 1252

Delta R.T. 0.082 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

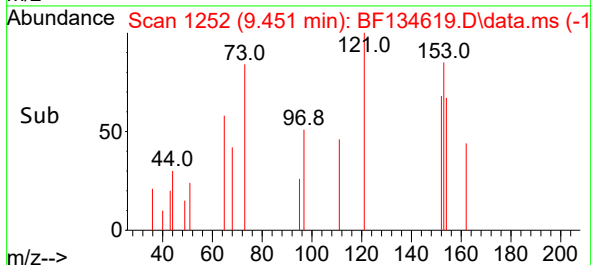
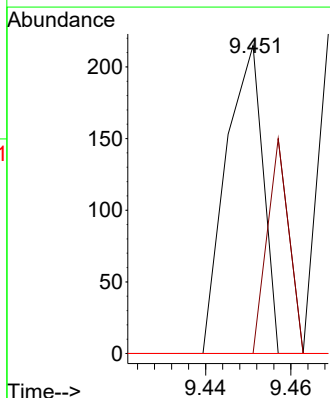
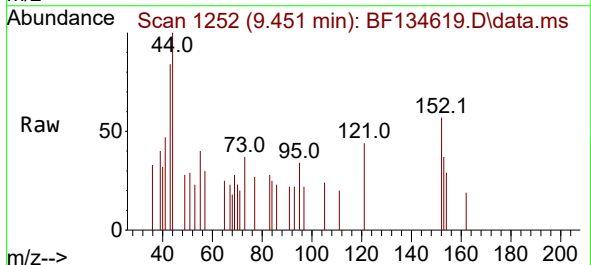
Tgt Ion: 65 Resp: 130

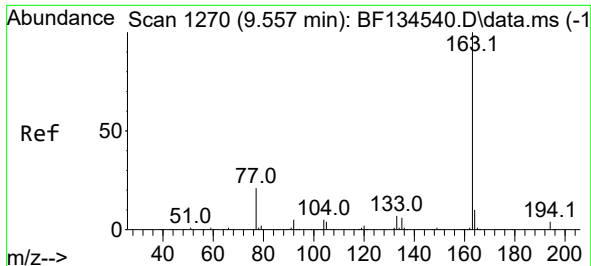
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

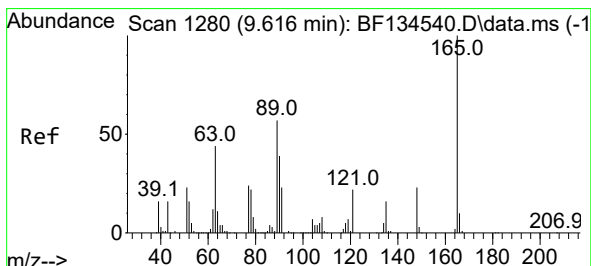
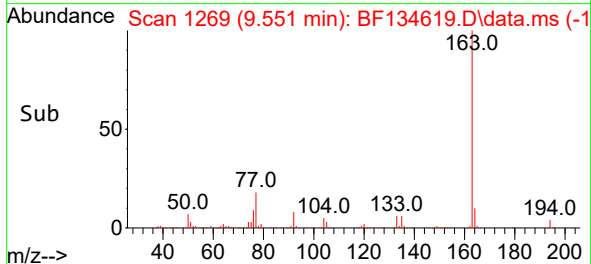
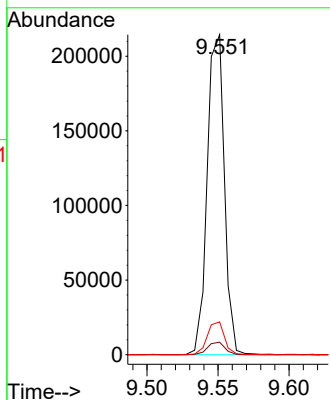
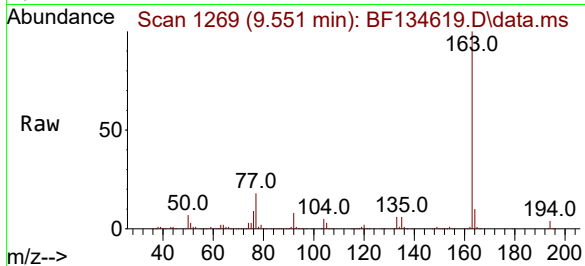




#50
Dimethylphthalate
Concen: 10.557 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

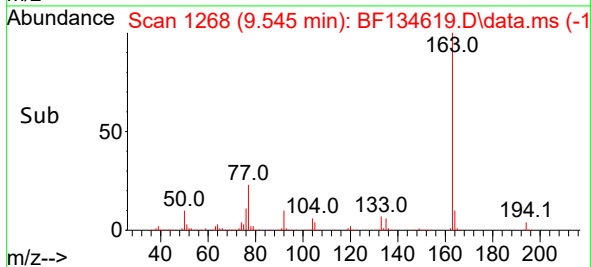
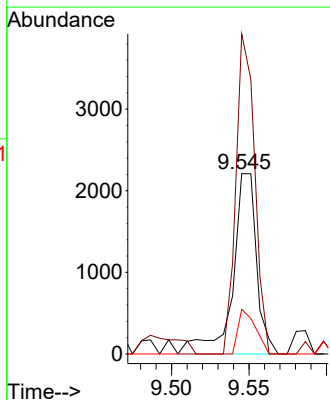
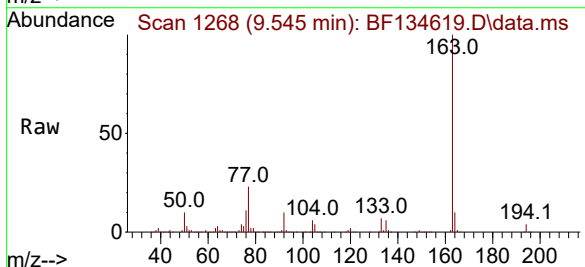
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

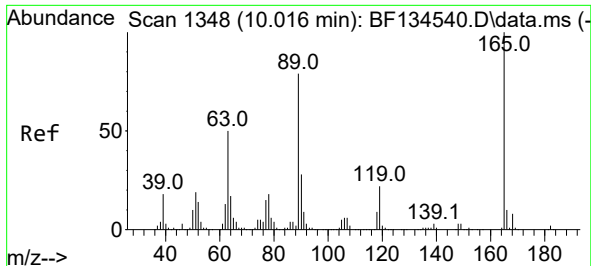
Tgt Ion:163 Resp: 180273
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.3 7.5 11.3



#51
2,6-Dinitrotoluene
Concen: 3.141 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.071 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

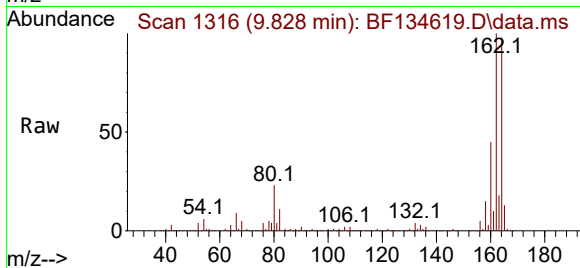
Tgt Ion:165 Resp: 2381
Ion Ratio Lower Upper
165 100
63 177.4 57.8 86.6#
89 24.8 51.8 77.8#



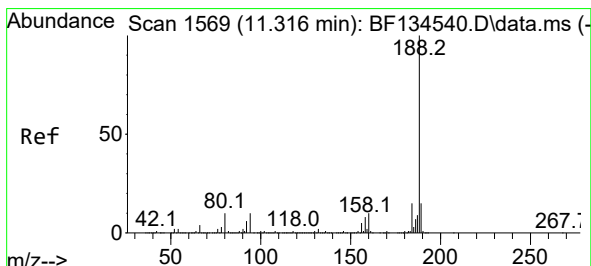
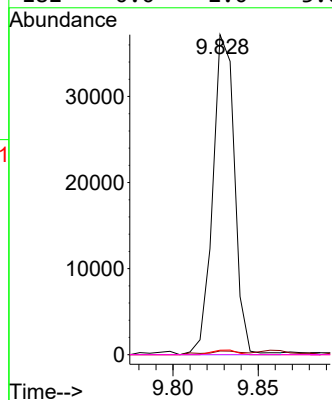
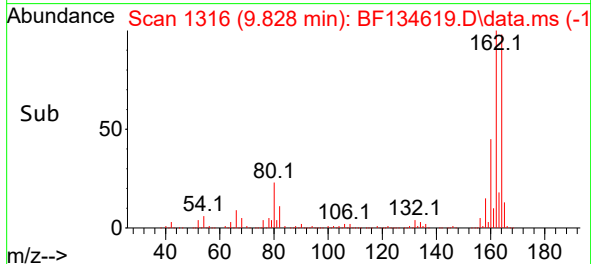


#57
2,4-Dinitrotoluene
Concen: 10.190 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.188 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

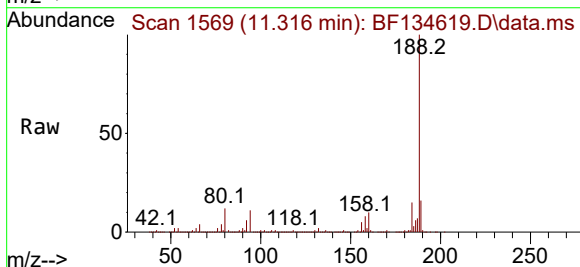
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL



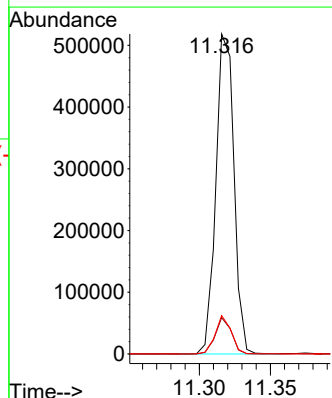
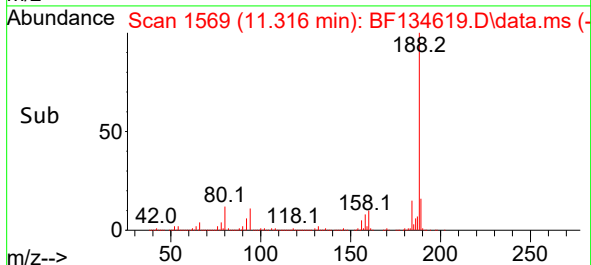
Tgt Ion:165 Resp: 32972
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#

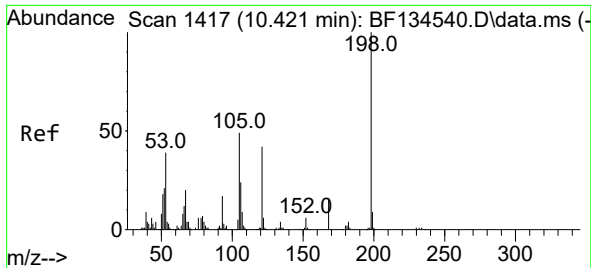


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53



Tgt Ion:188 Resp: 459527
Ion Ratio Lower Upper
188 100
94 11.3 5.1 7.7#
80 12.0 6.6 9.8#

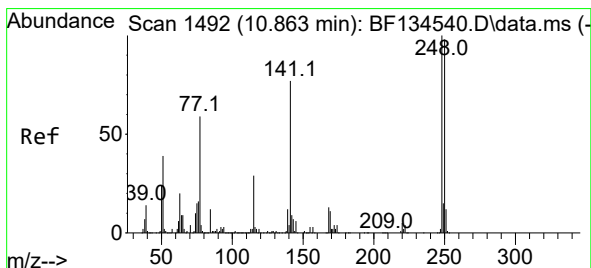
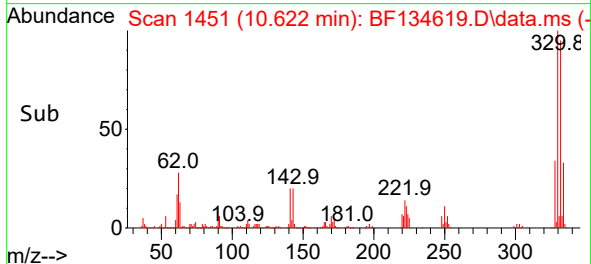
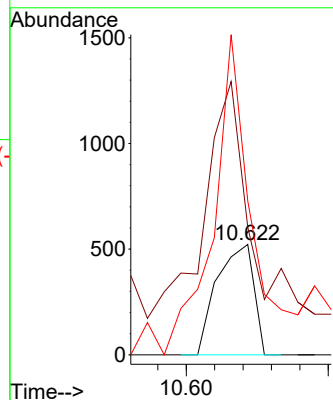
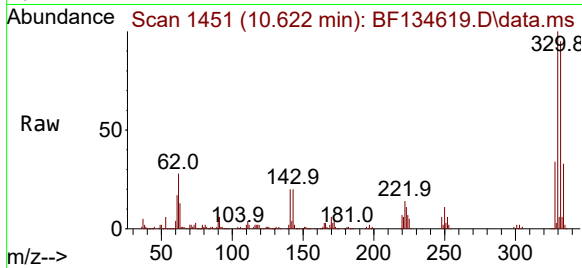




#65
4,6-Dinitro-2-methylphenol
Concen: 8.906 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.201 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

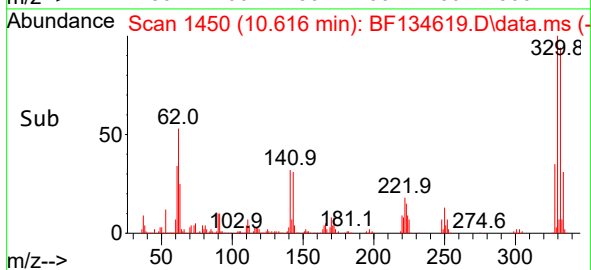
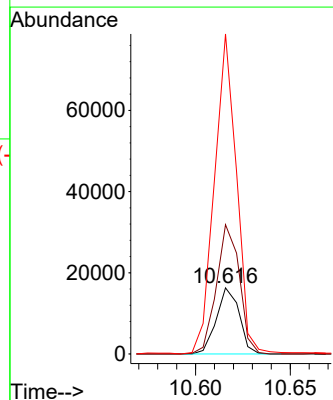
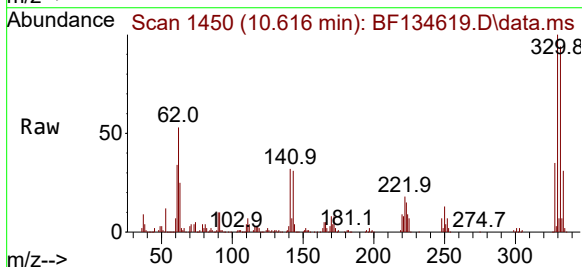
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

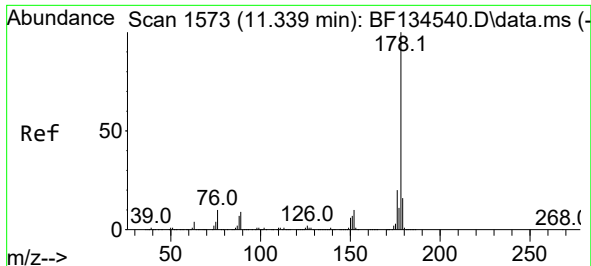
Tgt Ion:198 Resp: 469
Ion Ratio Lower Upper
198 100
51 115.7 38.6 78.6#
105 139.5 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.709 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

Tgt Ion:248 Resp: 13627
Ion Ratio Lower Upper
248 100
250 195.5 79.6 119.4#
141 483.9 59.6 89.4#

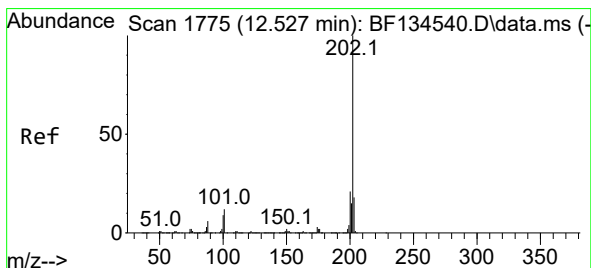
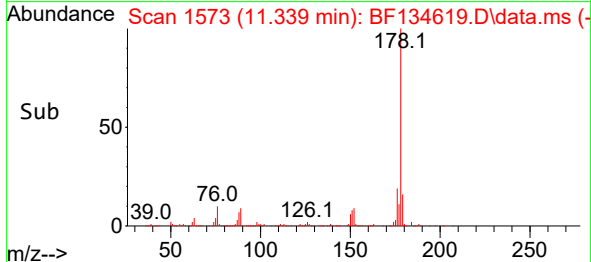
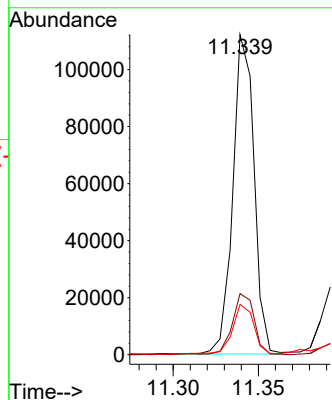
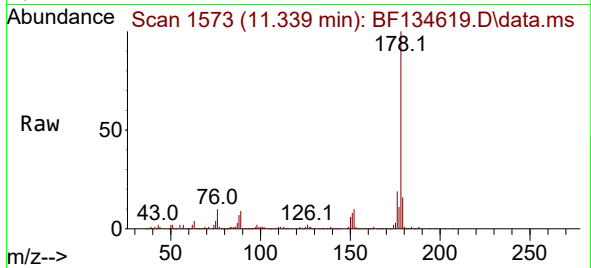




#71
Phenanthrene
Concen: 3.976 ng
RT: 11.339 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

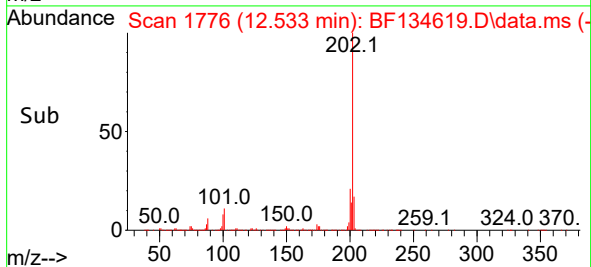
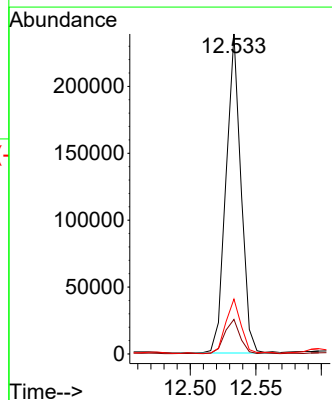
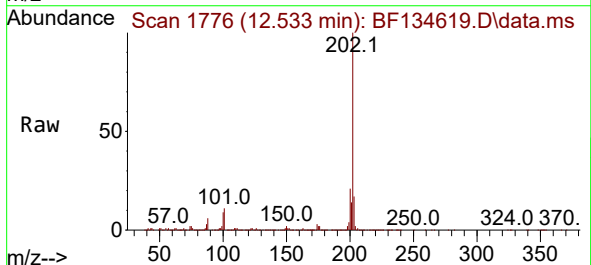
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

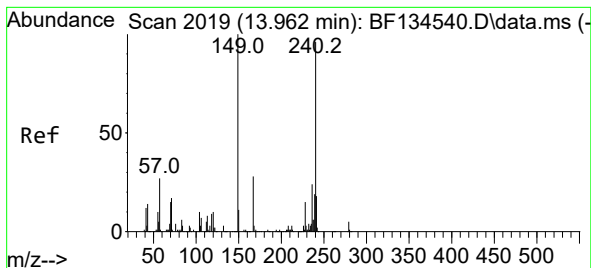
Tgt Ion:178 Resp: 97050
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.7 12.7 19.1



#75
Fluoranthene
Concen: 7.314 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

Tgt Ion:202 Resp: 188567
Ion Ratio Lower Upper
202 100
101 10.8 0.0 28.5
203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

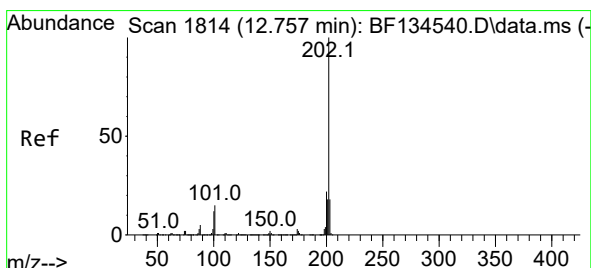
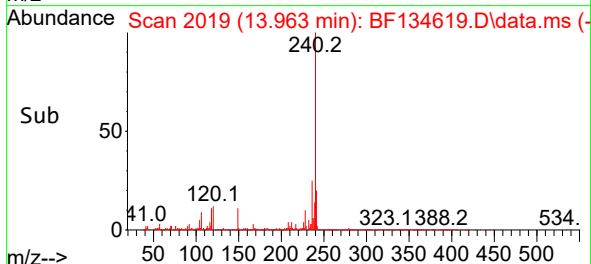
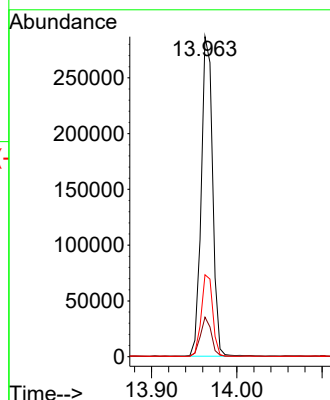
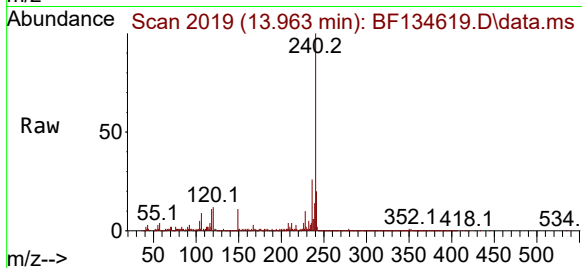
Tgt Ion:240 Resp: 265541

Ion Ratio Lower Upper

240 100

120 12.4 6.6 10.0#

236 25.6 20.2 30.2



#78

Pyrene

Concen: 7.547 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

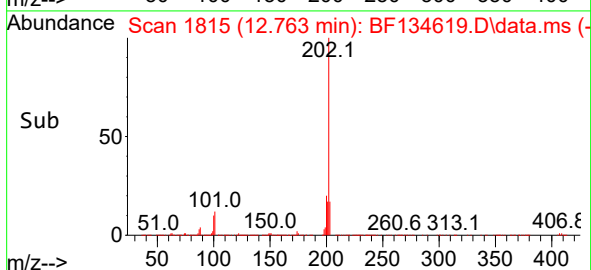
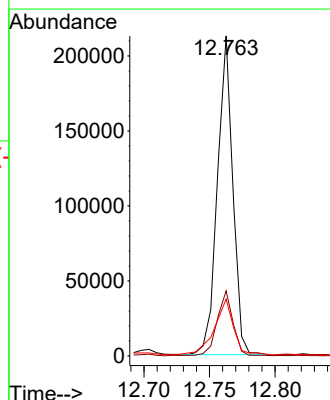
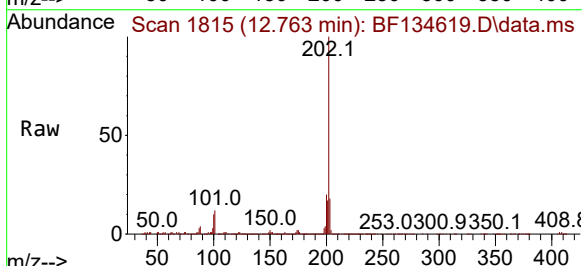
Tgt Ion:202 Resp: 173406

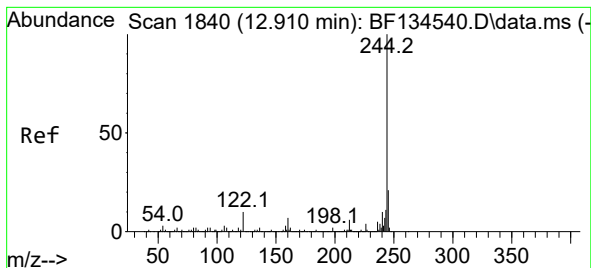
Ion Ratio Lower Upper

202 100

200 20.4 15.8 23.8

203 17.8 13.5 20.3





#79

Terphenyl-d14

Concen: 68.240 ng

RT: 12.916 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

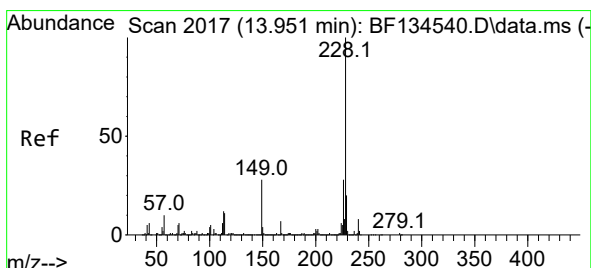
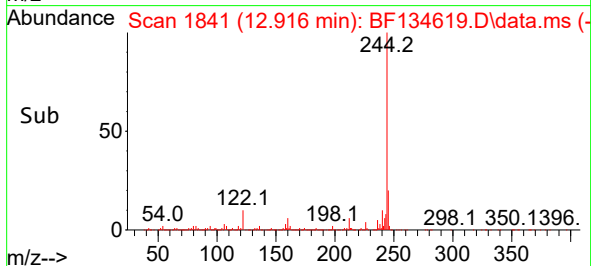
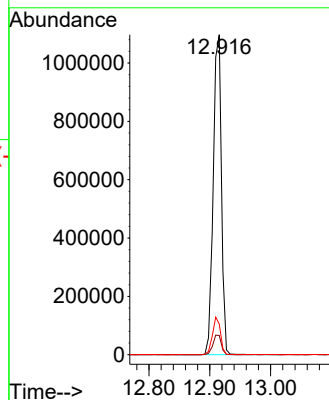
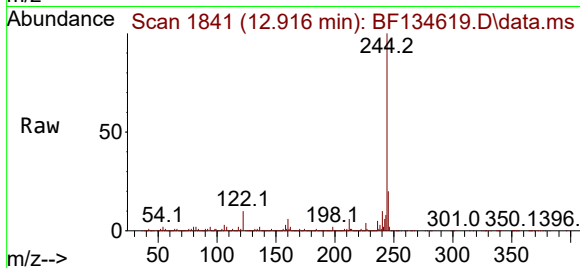
Tgt Ion:244 Resp: 1027900

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

122 9.6 8.0 12.0



#81

Benzo(a)anthracene

Concen: 3.959 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.041 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

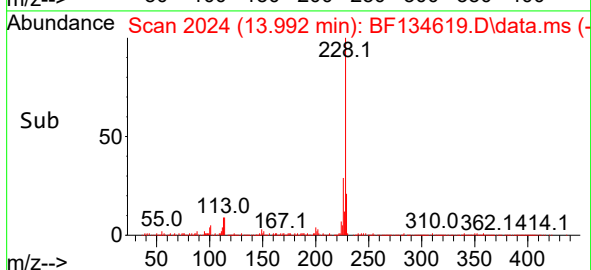
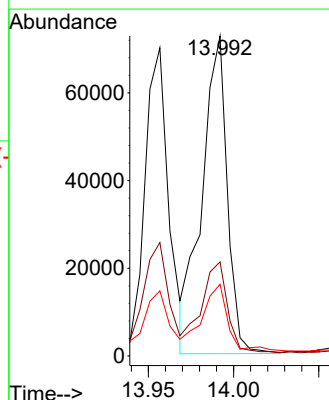
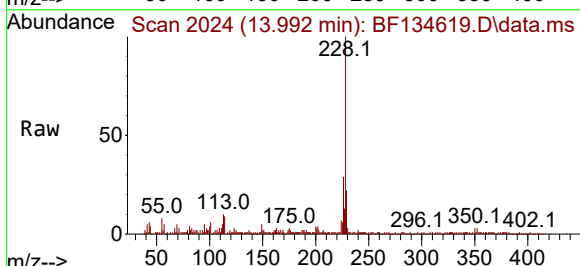
Tgt Ion:228 Resp: 75180

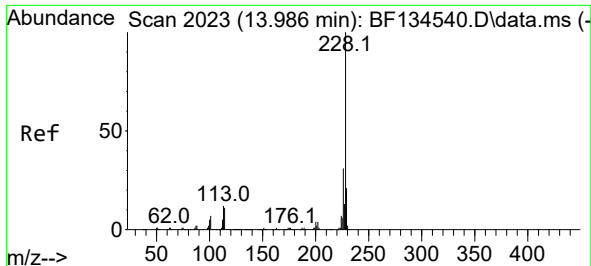
Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

229 22.4 15.8 23.6

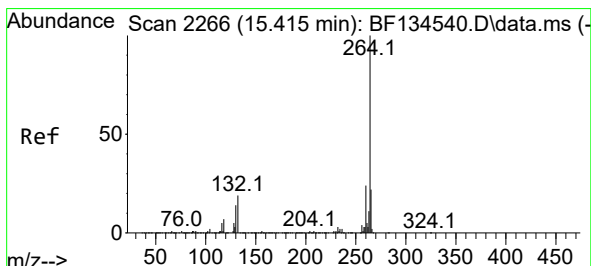
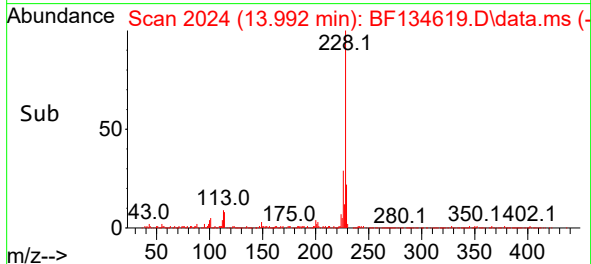
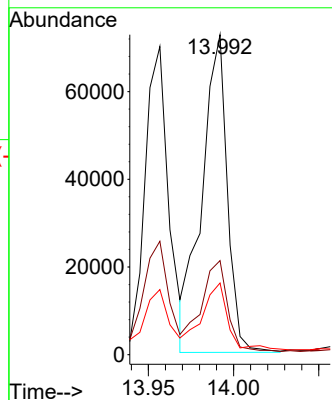
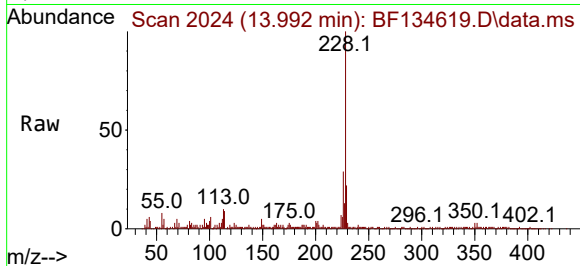




#83
Chrysene
Concen: 4.064 ng
RT: 13.992 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

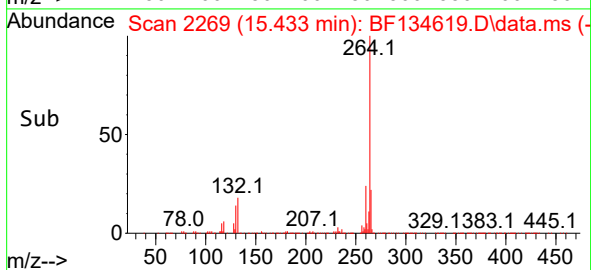
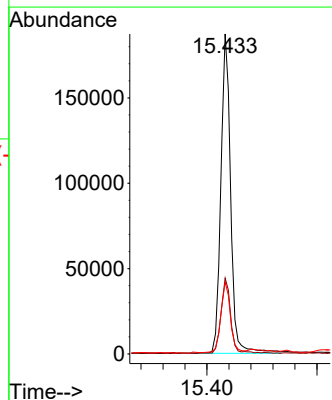
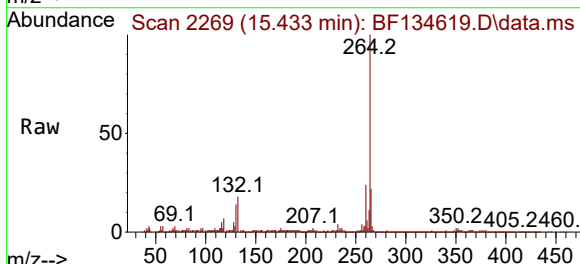
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

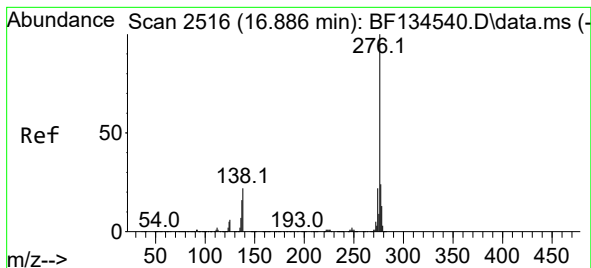
Tgt Ion:228 Resp: 75180
Ion Ratio Lower Upper
228 100
226 29.4 24.5 36.7
229 22.4 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.018 min
Lab File: BF134619.D
Acq: 03 Aug 2023 18:53

Tgt Ion:264 Resp: 231291
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 22.4 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.139 ng

RT: 16.909 min Scan# 2196

Delta R.T. 0.024 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

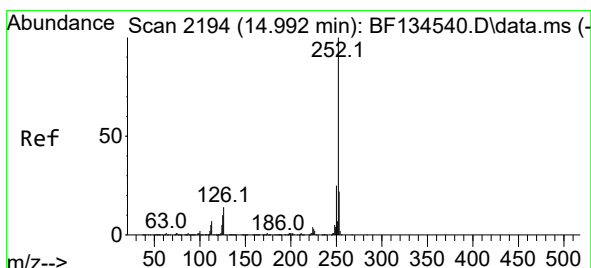
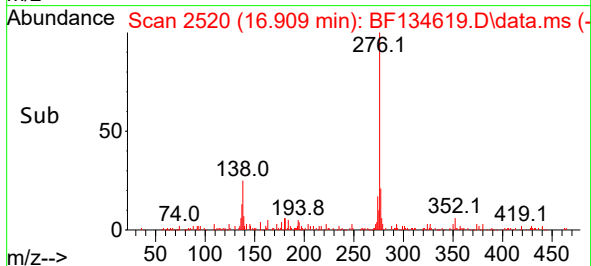
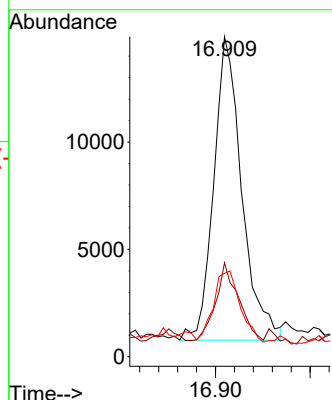
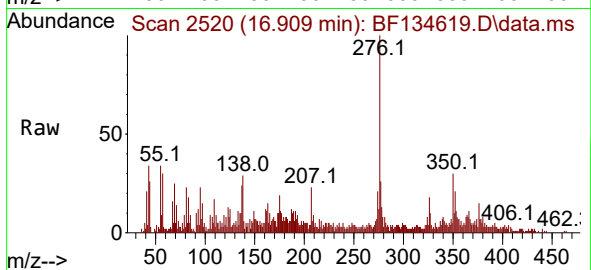
Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

Tgt Ion:	276	Resp:	29102
Ion Ratio	Lower	Upper	
276	100		
138	21.3	14.2	21.4
277	22.3	19.9	29.9



#88

Benzo(b)fluoranthene

Concen: 7.939 ng

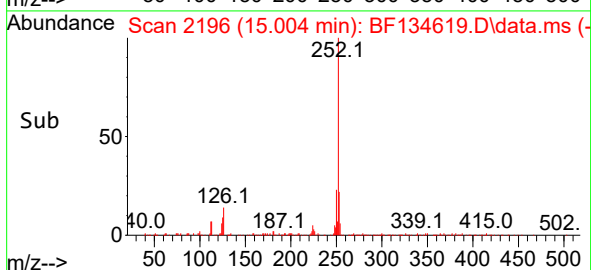
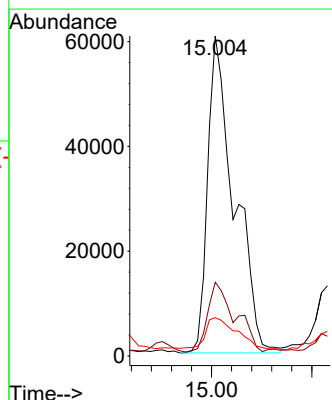
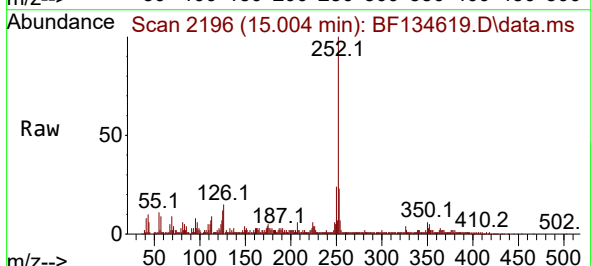
RT: 15.004 min Scan# 2196

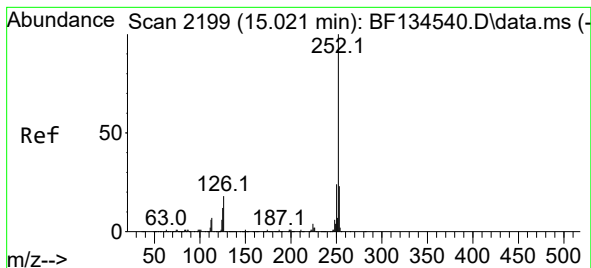
Delta R.T. 0.012 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

Tgt Ion:	252	Resp:	111990
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	12.0	6.0	9.0





#89

Benzo(k)fluoranthene

Concen: 7.970 ng

RT: 15.004 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

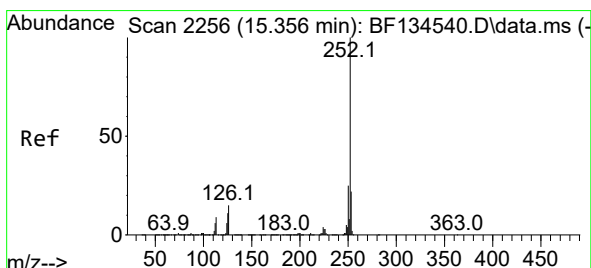
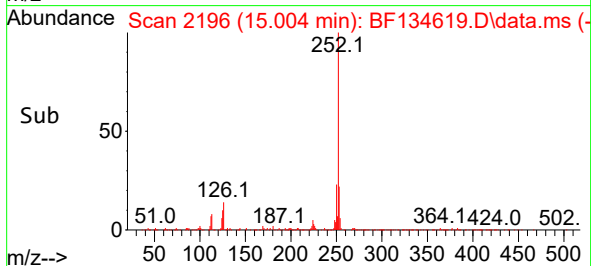
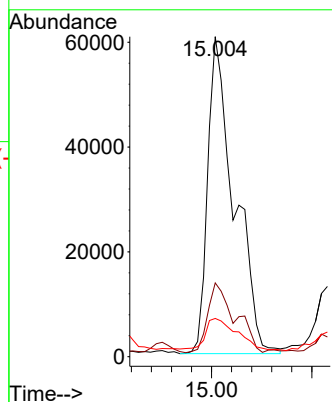
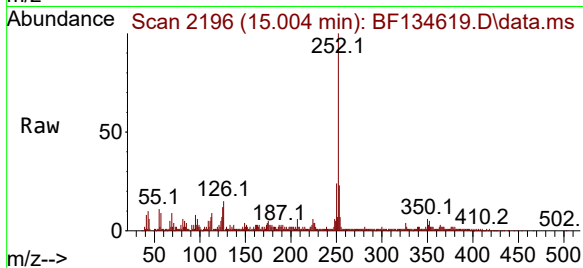
Tgt Ion:252 Resp: 111990

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 12.0 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 3.696 ng

RT: 15.368 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF134619.D

Acq: 03 Aug 2023 18:53

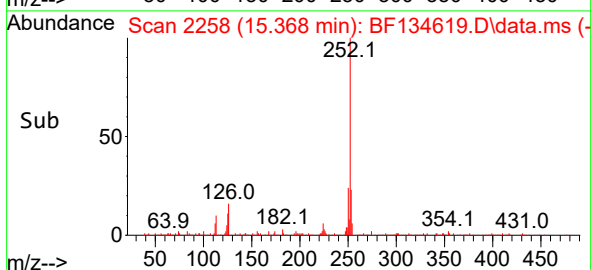
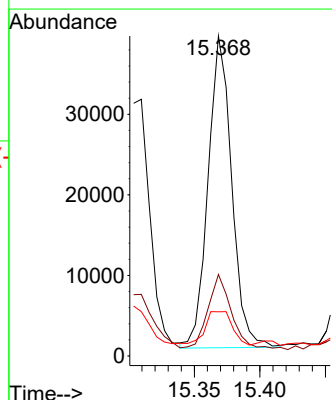
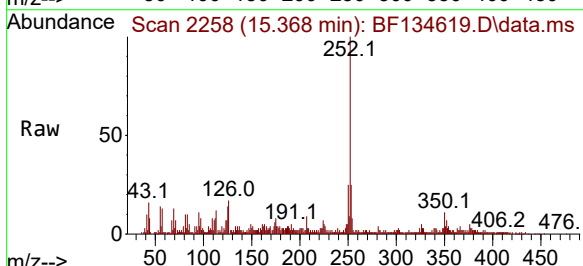
Tgt Ion:252 Resp: 48611

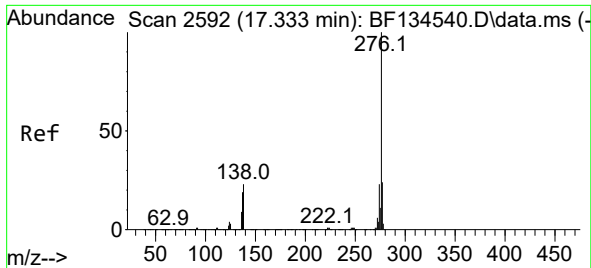
Ion Ratio Lower Upper

252 100

253 25.4 17.0 25.4

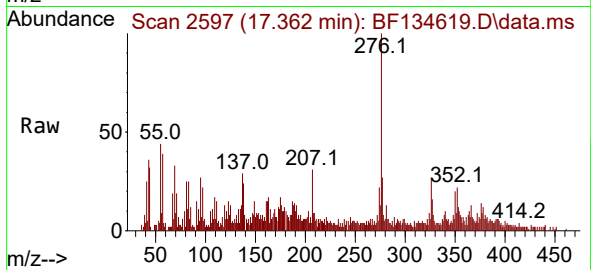
125 13.8 6.2 9.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.469 ng
 RT: 17.362 min Scan# 21
 Delta R.T. 0.030 min
 Lab File: BF134619.D
 Acq: 03 Aug 2023 18:53

Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL



Tgt Ion:	276	Resp:	27684
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.0	28.6
138	31.6	12.2	18.2#

