

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134869.D
 Acq On : 21 Aug 2023 15:57
 Operator : CG\JU
 Sample : 04086-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP18A

Quant Time: Aug 22 03:19:57 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)

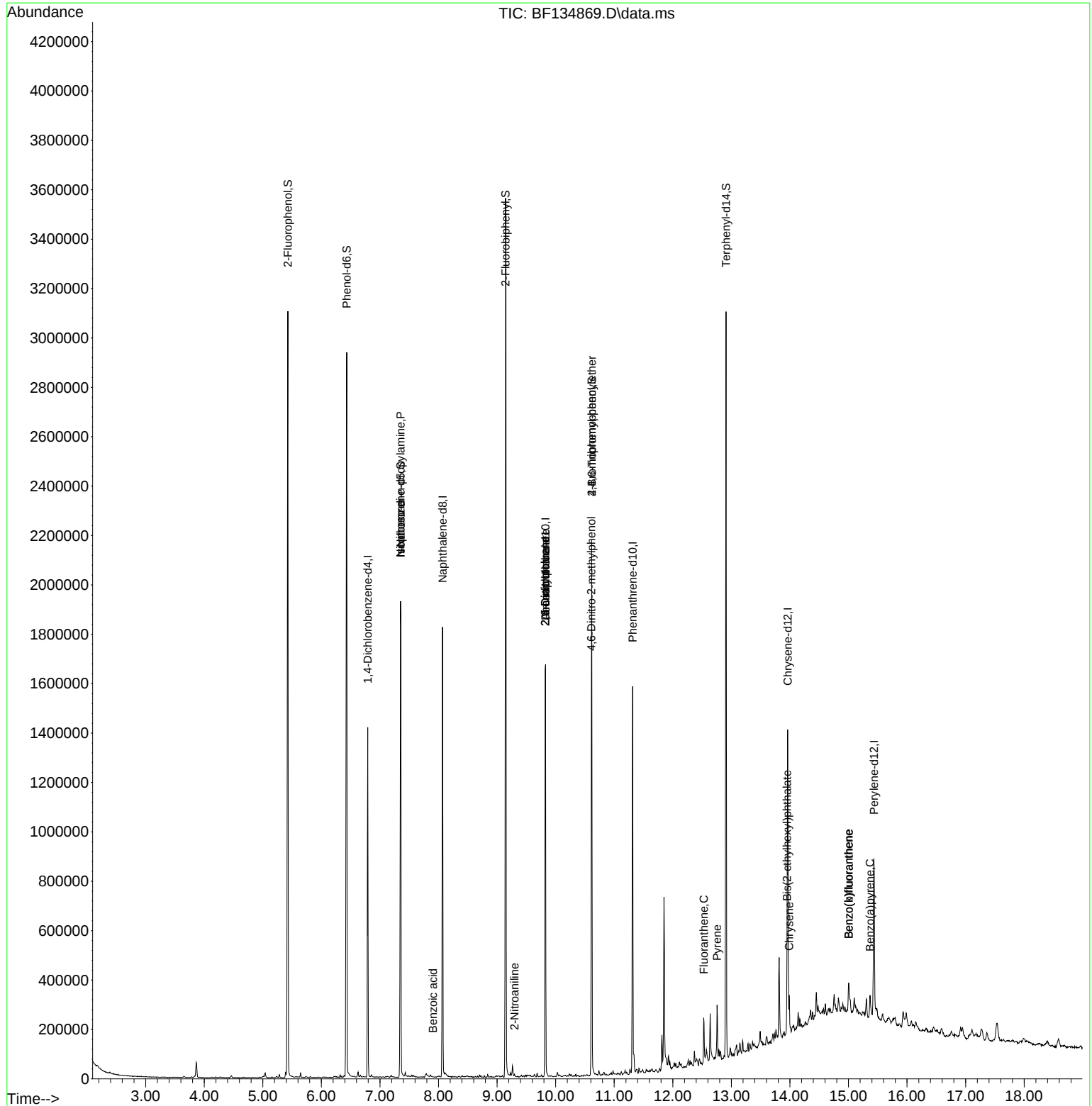
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	188974	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	754175	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	355960	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	541598	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	388687	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	314298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	856098	68.864	ng	0.00
7) Phenol-d6	6.434	99	1068000	67.206	ng	0.00
23) Nitrobenzene-d5	7.351	82	670479	55.557	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	258313	71.187	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1205732	56.320	ng	-0.02
79) Terphenyl-d14	12.910	244	1023588	46.424	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	893	Below Cal	#	22
19) n-Nitroso-di-n-propyla...	7.351	70	89950	9.454	ng	# 72
25) Isophorone	7.351	82	662976	25.187	ng	# 65
32) Benzoic acid	7.904	122	429	7.914	ng	# 83
48) 2-Nitroaniline	9.298	65	75	3.177	ng	# 8
50) Dimethylphthalate	9.827	163	74616	3.076	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	46788	11.419	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	46788	10.181	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	622	8.932	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	17030	2.872	ng	# 1
75) Fluoranthene	12.527	202	72021	2.370	ng	95
78) Pyrene	12.757	202	86225	2.564	ng	99
83) Chrysene	13.986	228	60798	2.245	ng	96
84) Bis(2-ethylhexyl)phtha...	13.951	149	32012	2.392	ng	97
88) Benzo(b)fluoranthene	15.004	252	79333	4.139	ng	# 89
89) Benzo(k)fluoranthene	15.004	252	79333	4.155	ng	# 91
90) Benzo(a)pyrene	15.368	252	37723	2.111	ng	# 91

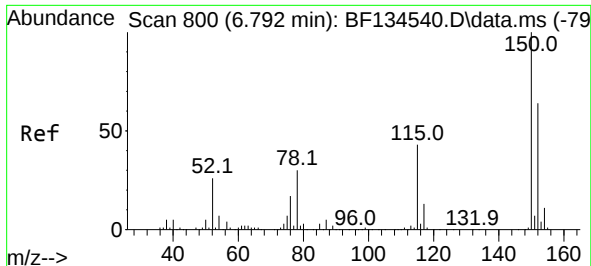
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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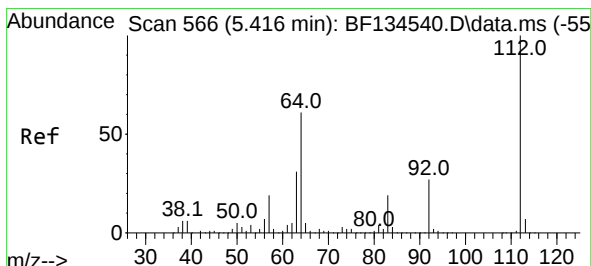
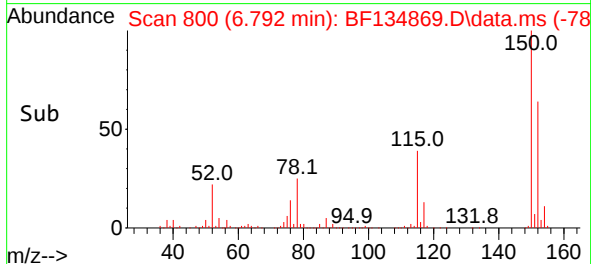
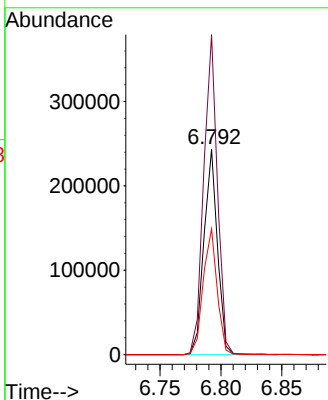
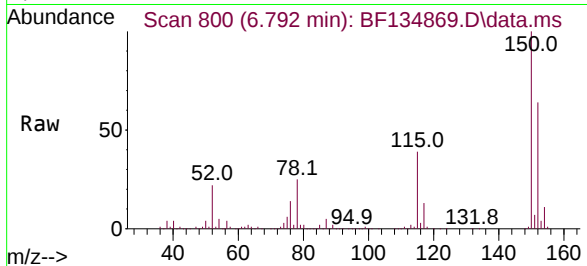




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

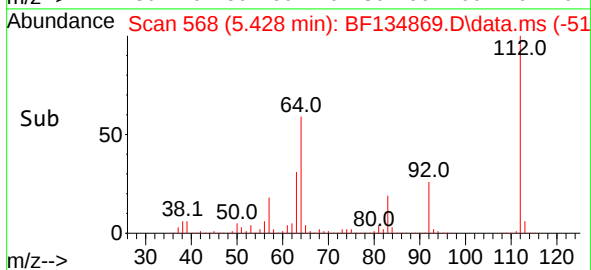
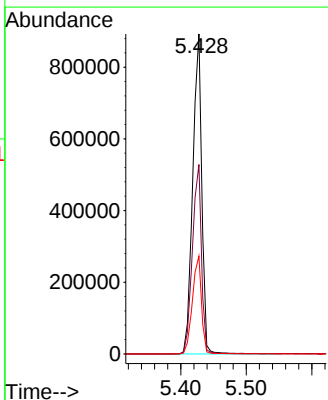
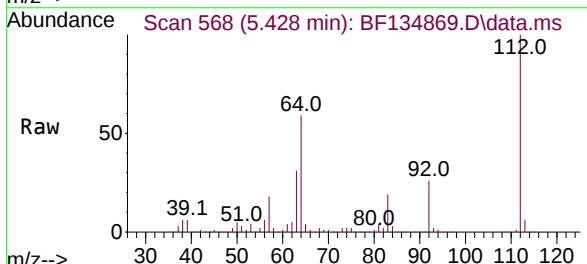
Instrument :
BNA_F
ClientSampleId :
B-PP18A

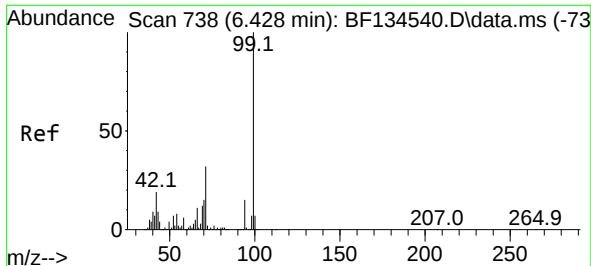
Tgt Ion:152 Resp: 188974
Ion Ratio Lower Upper
152 100
150 155.8 128.3 192.5
115 61.2 52.4 78.6



#5
2-Fluorophenol
Concen: 68.864 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

Tgt Ion:112 Resp: 856098
Ion Ratio Lower Upper
112 100
64 59.2 44.9 67.3
63 30.6 25.4 38.0

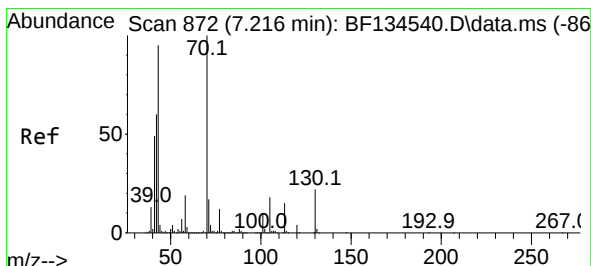
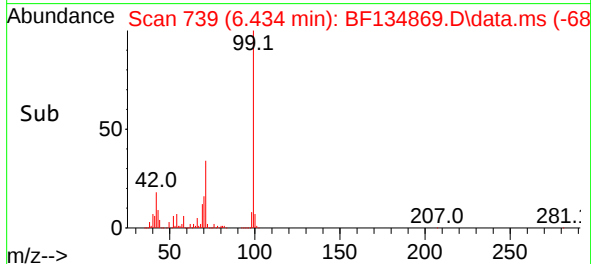
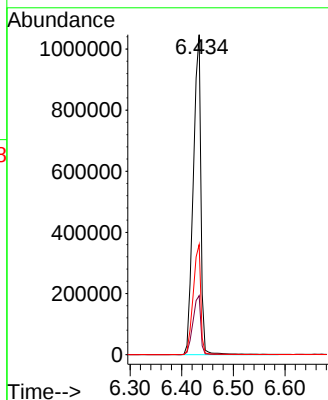
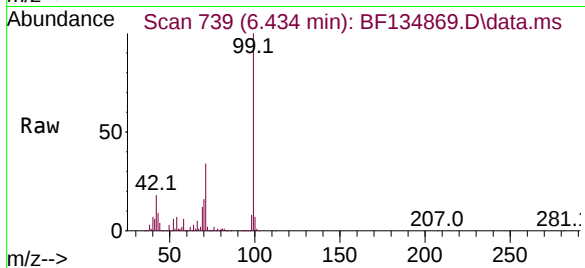




#7
Phenol-d6
Concen: 67.206 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

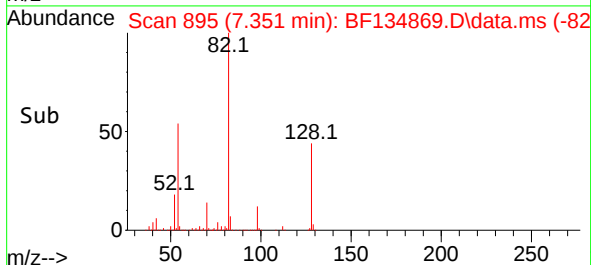
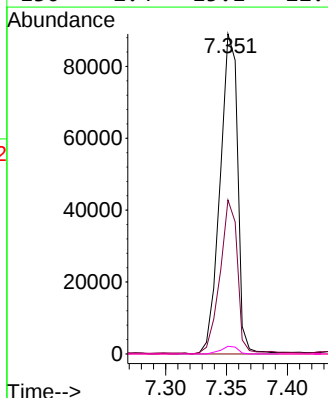
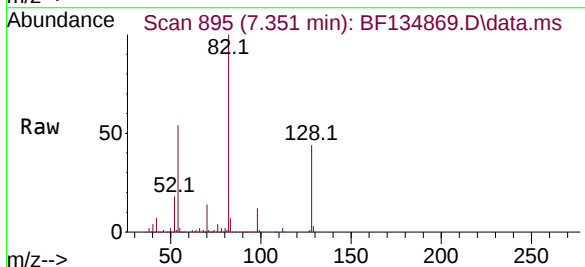
Instrument :
BNA_F
ClientSampleId :
B-PP18A

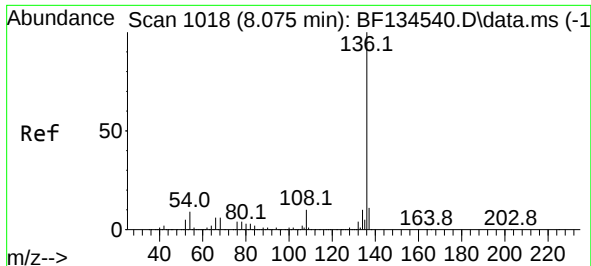
Tgt Ion: 99 Resp: 1068000
Ion Ratio Lower Upper
99 100
42 18.4 18.7 28.1#
71 34.4 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.454 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

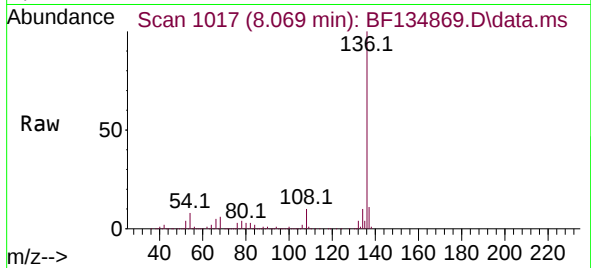
Tgt Ion: 70 Resp: 89950
Ion Ratio Lower Upper
70 100
42 48.1 54.7 82.1#
101 0.0 8.2 12.2#
130 2.4 15.1 22.7#



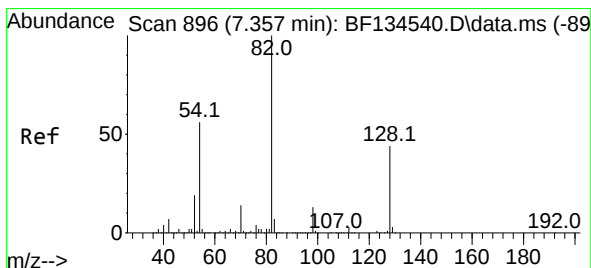
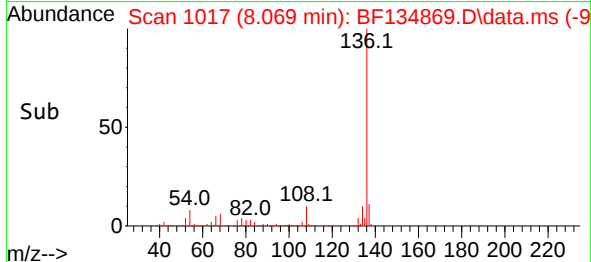
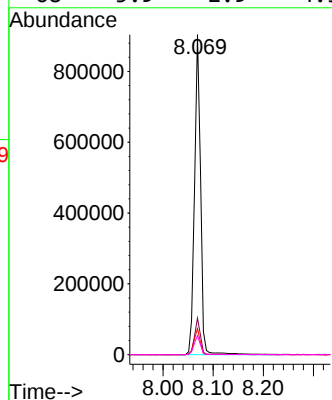


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

Instrument :
BNA_F
ClientSampleId :
B-PP18A

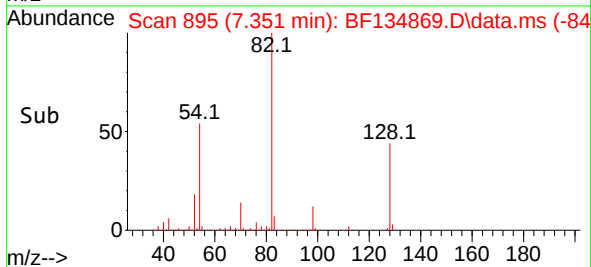
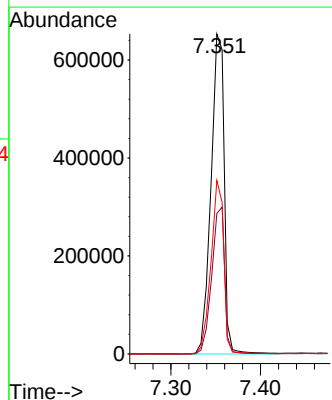
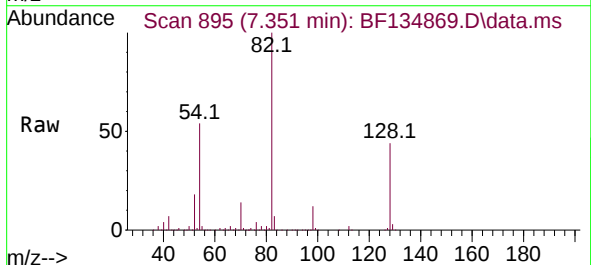


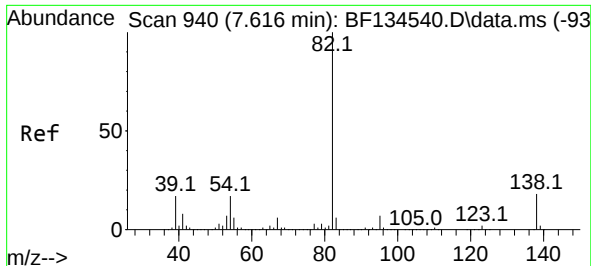
Tgt Ion:136 Resp: 754175
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 8.1 5.2 7.8#
68 5.9 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 55.557 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

Tgt Ion: 82 Resp: 670479
Ion Ratio Lower Upper
82 100
128 43.9 34.3 51.5
54 54.2 43.8 65.6

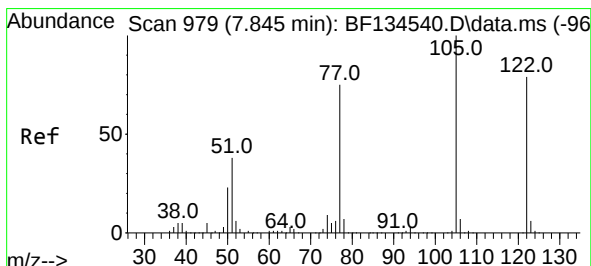
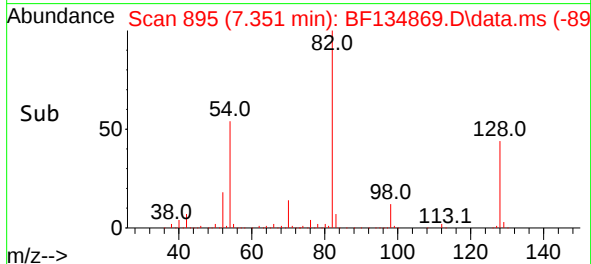
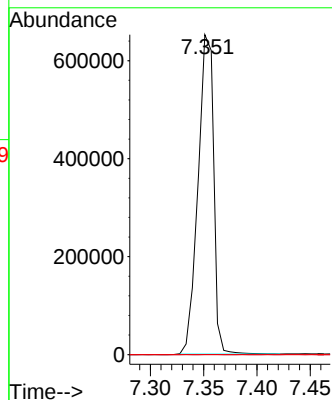
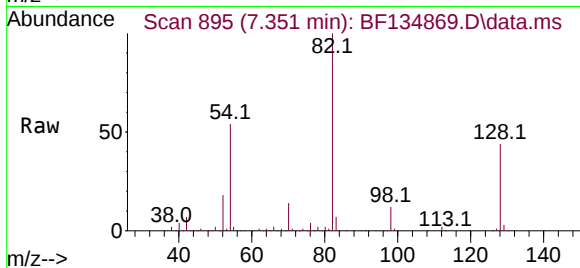




#25
Isophorone
Concen: 25.187 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

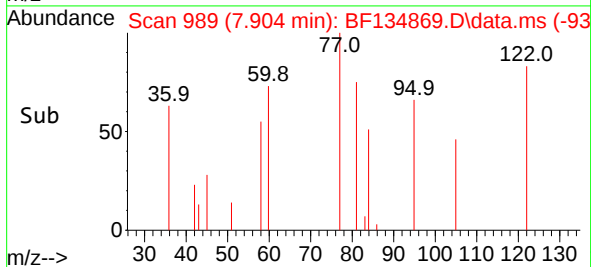
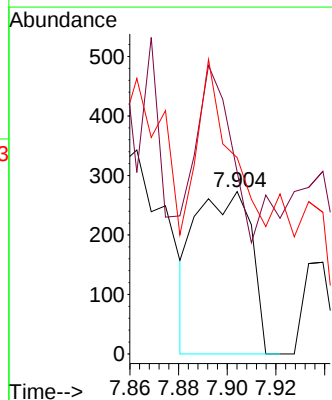
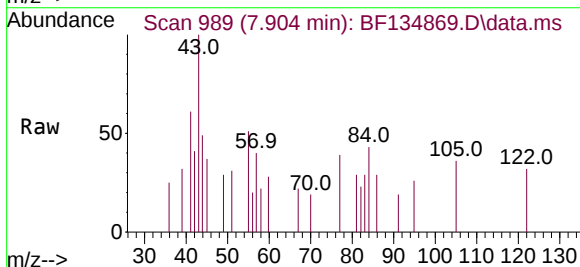
Instrument :
BNA_F
ClientSampleId :
B-PP18A

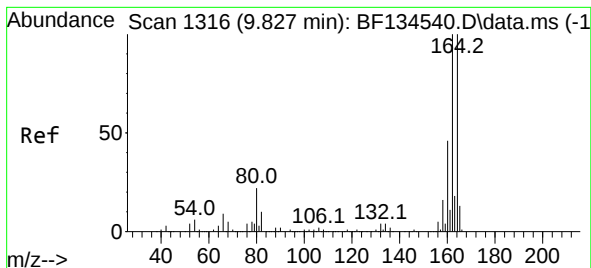
Tgt Ion: 82 Resp: 662976
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.914 ng
RT: 7.904 min Scan# 989
Delta R.T. 0.041 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

Tgt Ion: 122 Resp: 429
Ion Ratio Lower Upper
122 100
105 112.1 87.5 127.5
77 120.9 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Instrument :

BNA_F

ClientSampleId :

B-PP18A

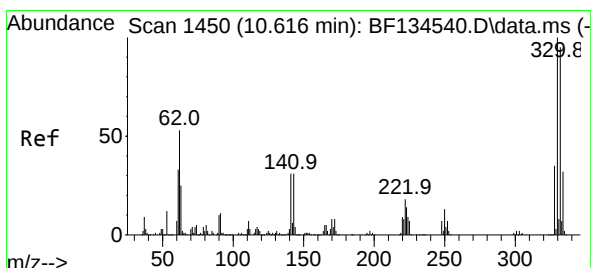
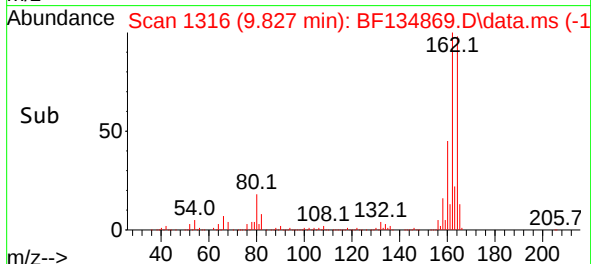
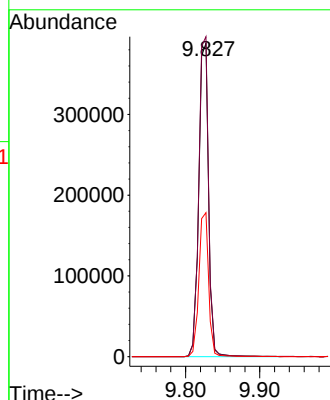
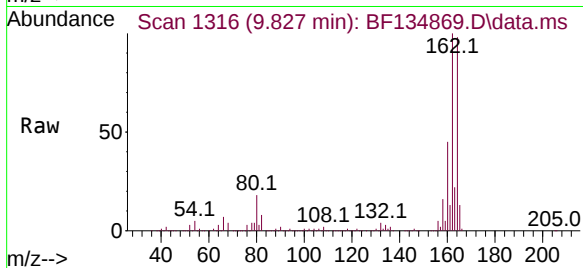
Tgt Ion:164 Resp: 355960

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

160 46.0 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 71.187 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

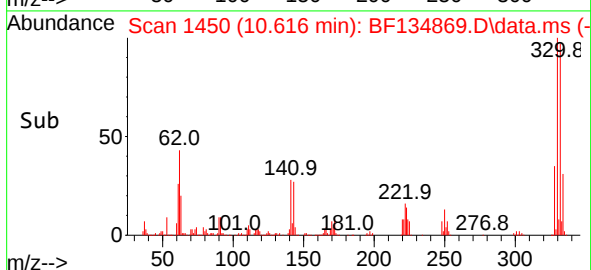
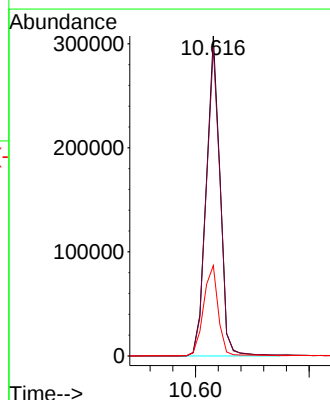
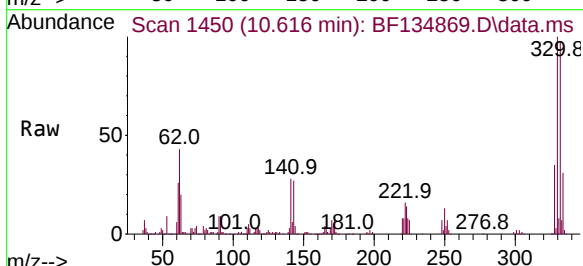
Tgt Ion:330 Resp: 258313

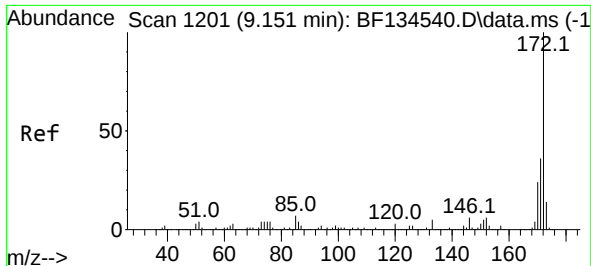
Ion Ratio Lower Upper

330 100

332 98.2 78.8 118.2

141 30.0 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 56.320 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Instrument :

BNA_F

ClientSampleId :

B-PP18A

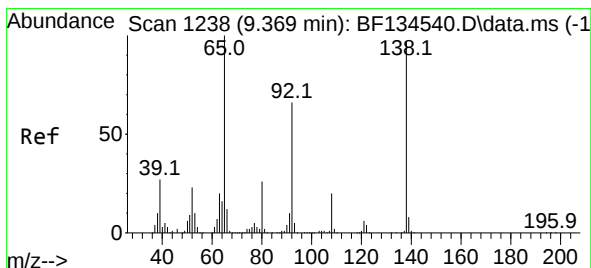
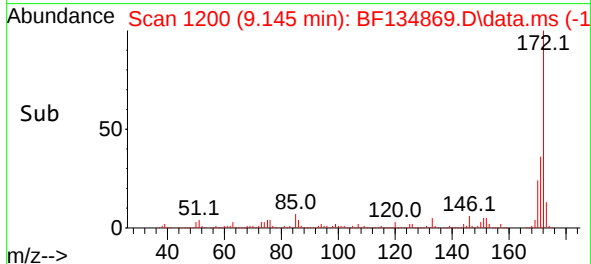
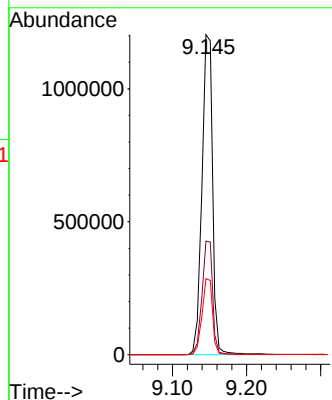
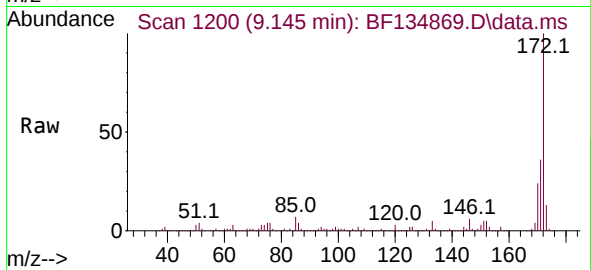
Tgt Ion:172 Resp: 1205732

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.177 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.082 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

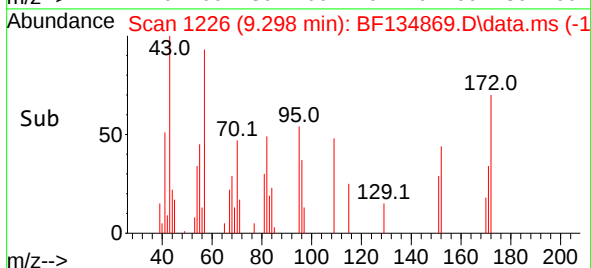
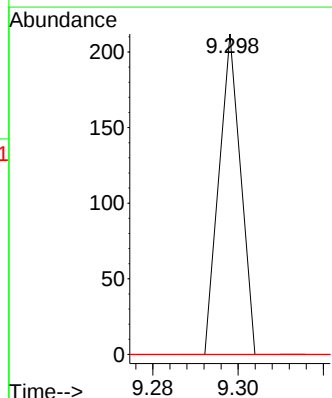
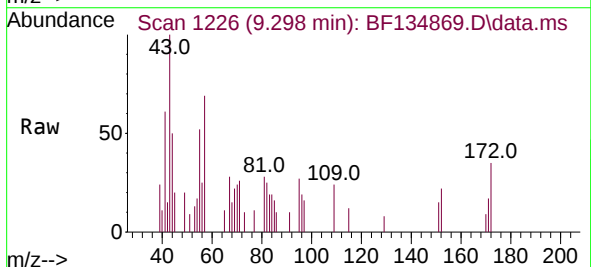
Tgt Ion: 65 Resp: 75

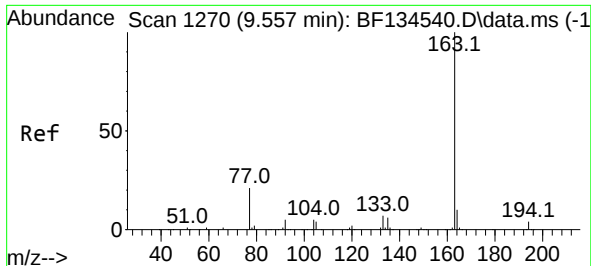
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

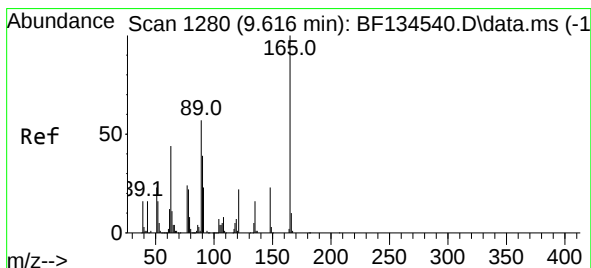
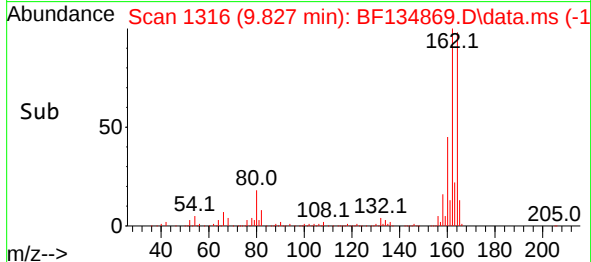
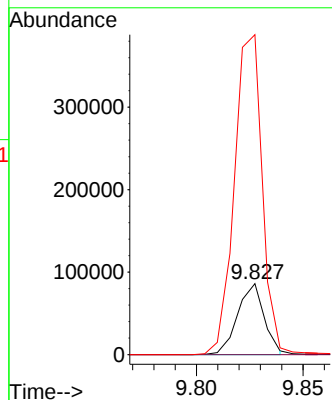
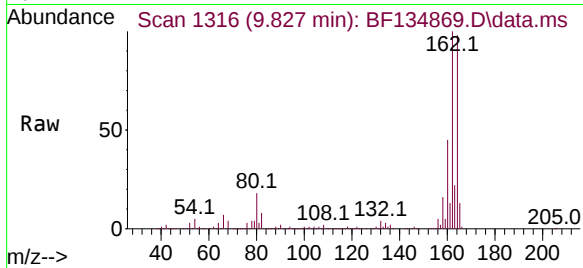




#50
Dimethylphthalate
Concen: 3.076 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

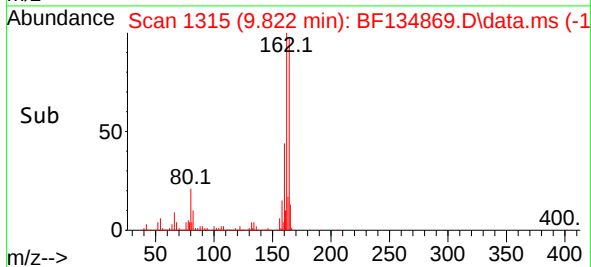
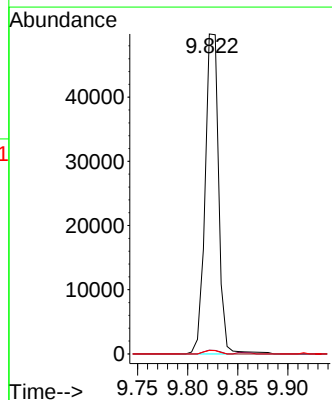
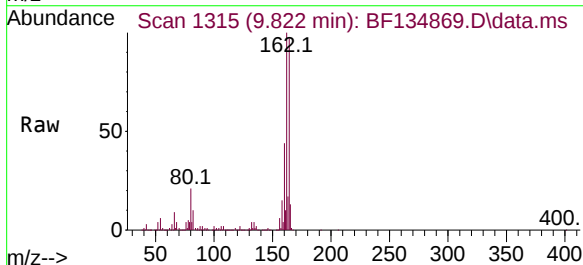
Instrument :
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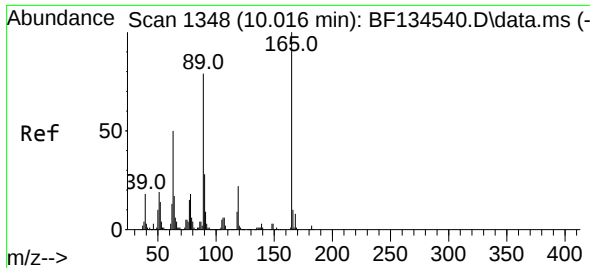
Tgt Ion:163 Resp: 74616
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 451.2 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.419 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

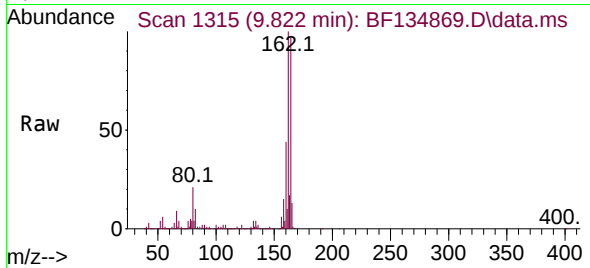
Tgt Ion:165 Resp: 46788
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 1.1 51.8 77.8#



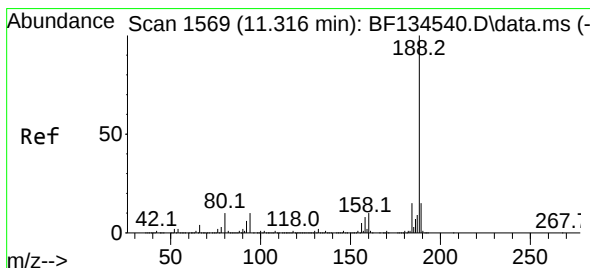
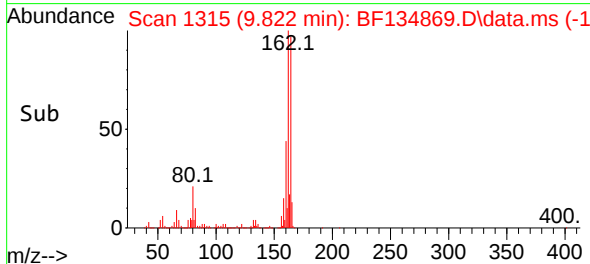
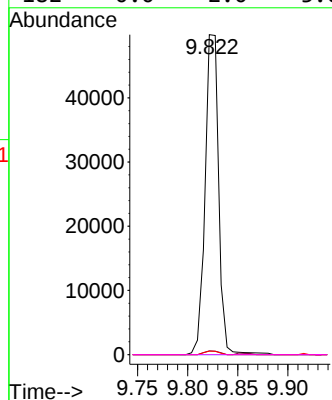


#57
2,4-Dinitrotoluene
Concen: 10.181 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

Instrument :
BNA_F
ClientSampleId :
B-PP18A

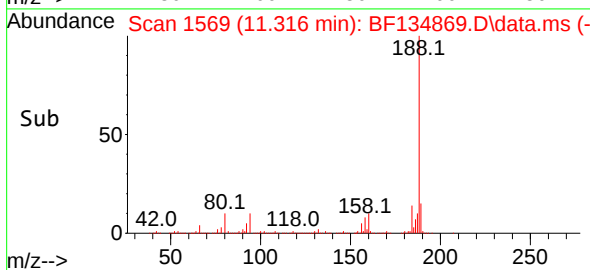
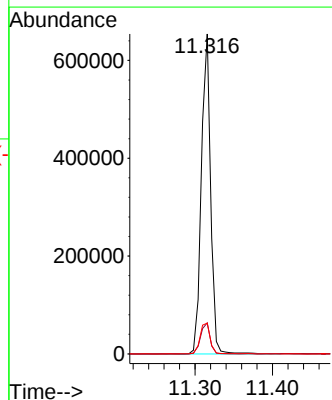
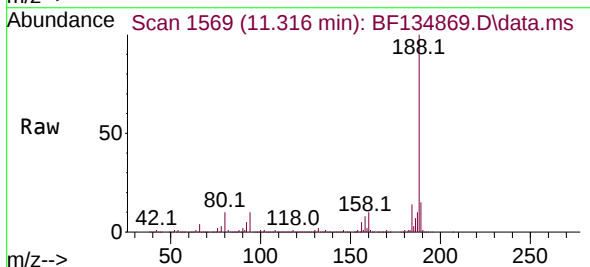


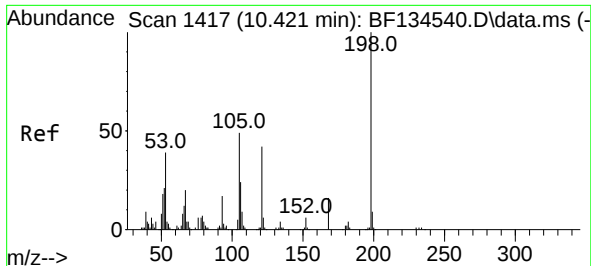
Tgt Ion:165 Resp: 46788
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

Tgt Ion:188 Resp: 541598
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7#
80 9.6 6.6 9.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.932 ng

RT: 10.610 min Scan# 1417

Delta R.T. 0.171 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Instrument :

BNA_F

ClientSampleId :

B-PP18A

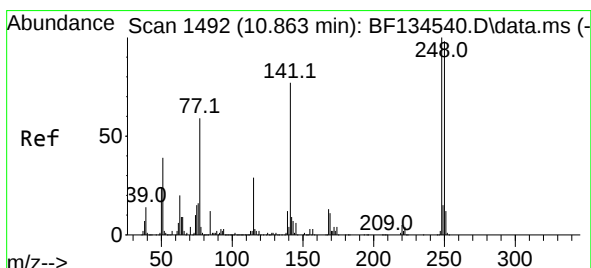
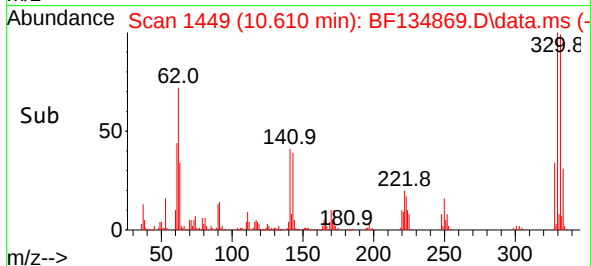
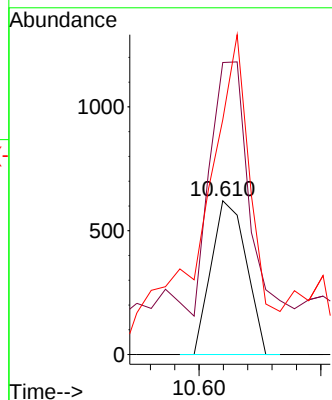
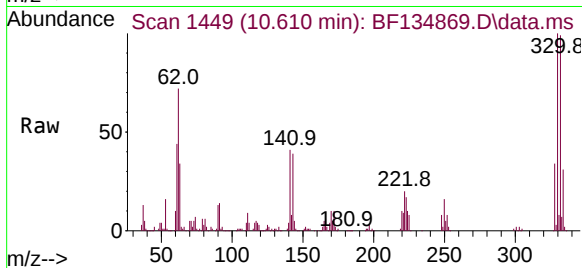
Tgt Ion:198 Resp: 622

Ion Ratio Lower Upper

198 100

51 189.9 38.6 78.6#

105 152.7 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 2.872 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

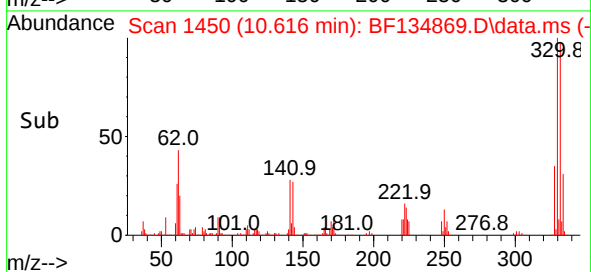
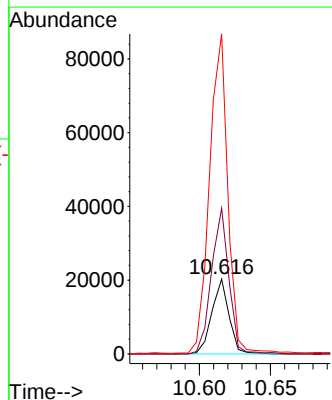
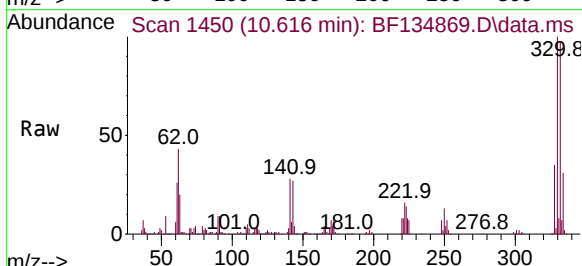
Tgt Ion:248 Resp: 17030

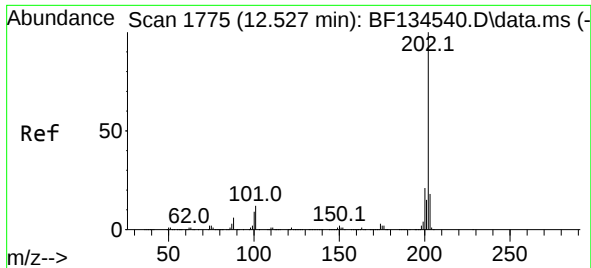
Ion Ratio Lower Upper

248 100

250 194.8 79.6 119.4#

141 427.6 59.6 89.4#

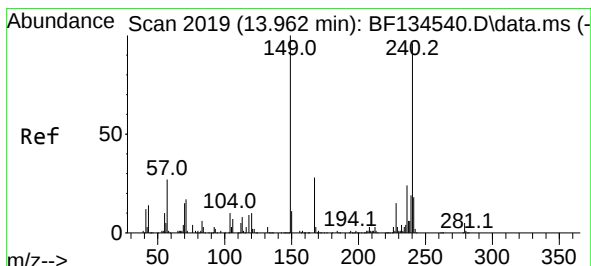
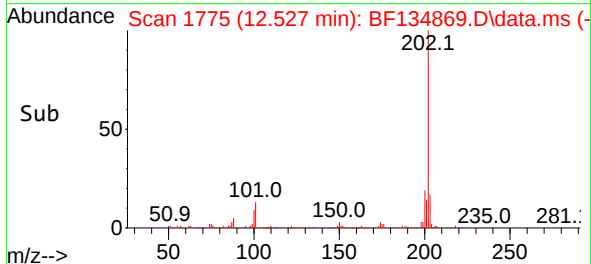
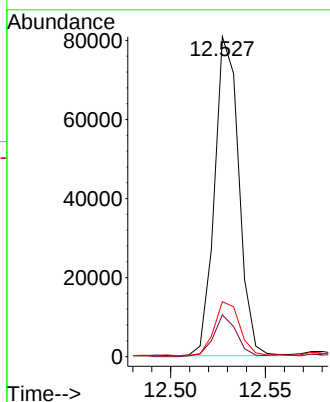
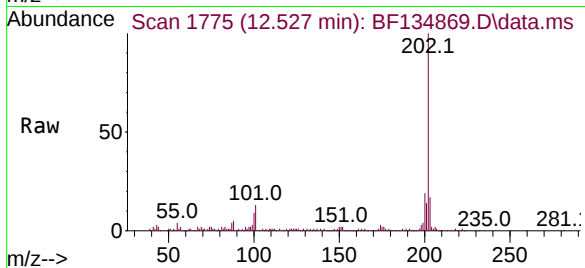




#75
Fluoranthene
Concen: 2.370 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

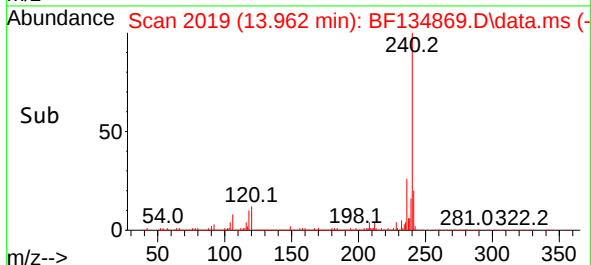
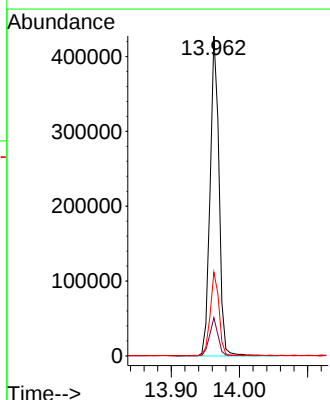
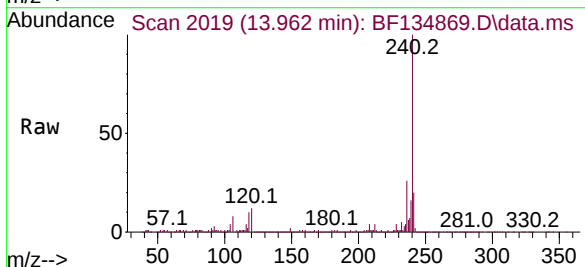
Instrument :
BNA_F
ClientSampleId :
B-PP18A

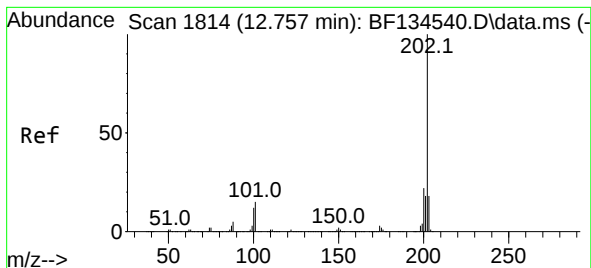
Tgt Ion:	202	Resp:	72021
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	28.5
203	17.2	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134869.D
Acq: 21 Aug 2023 15:57

Tgt Ion:	240	Resp:	388687
Ion Ratio	Lower	Upper	
240	100		
120	11.9	6.6	10.0#
236	26.2	20.2	30.2





#78

Pyrene

Concen: 2.564 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Instrument :

BNA_F

ClientSampleId :

B-PP18A

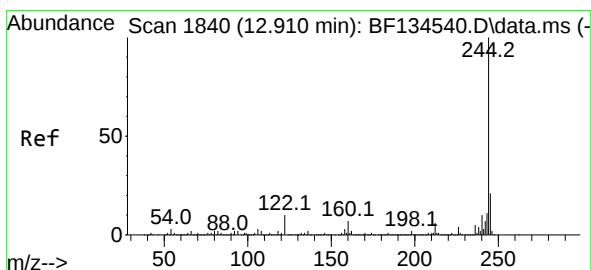
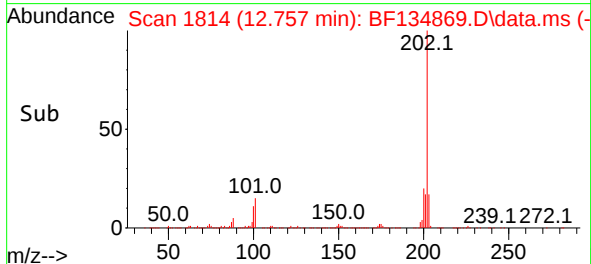
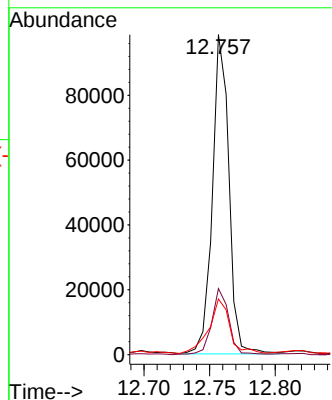
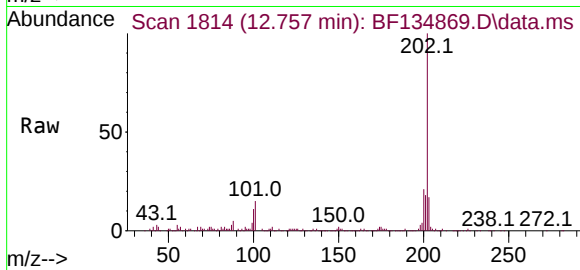
Tgt Ion:202 Resp: 86225

Ion Ratio Lower Upper

202 100

200 20.6 15.8 23.8

203 17.4 13.5 20.3



#79

Terphenyl-d14

Concen: 46.424 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

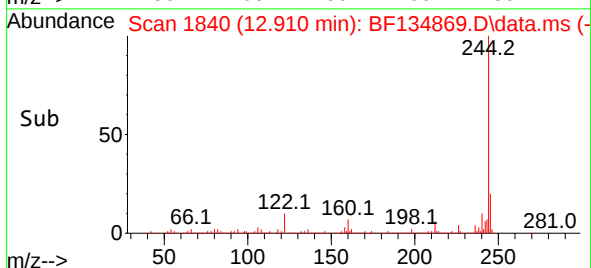
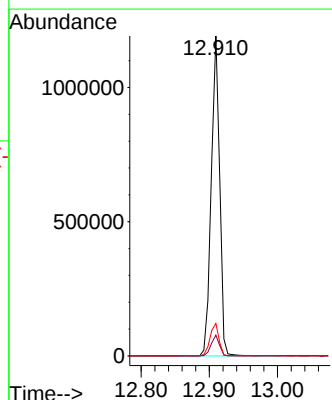
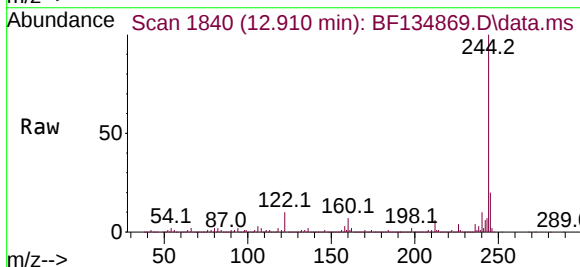
Tgt Ion:244 Resp: 1023588

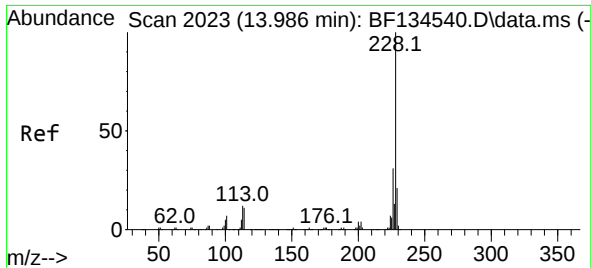
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 10.1 8.0 12.0





#83

Chrysene

Concen: 2.245 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Instrument :

BNA_F

ClientSampleId :

B-PP18A

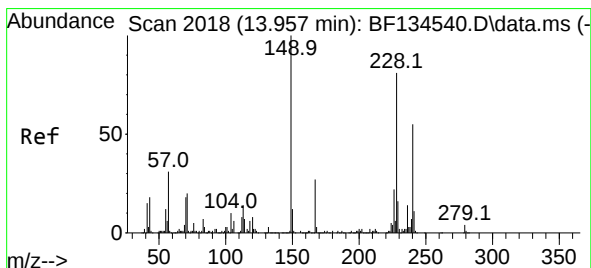
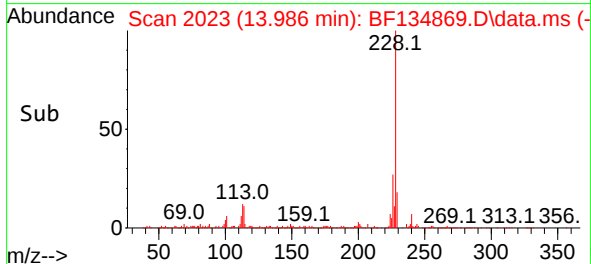
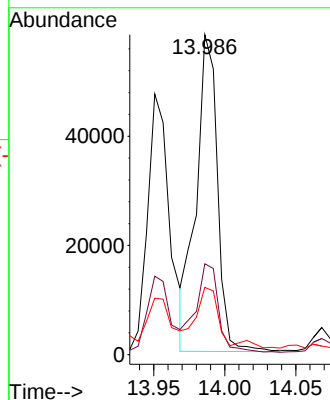
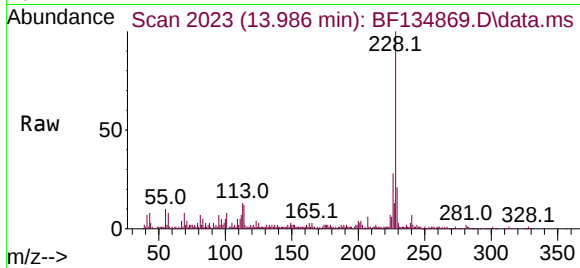
Tgt Ion:228 Resp: 60798

Ion Ratio Lower Upper

228 100

226 28.4 24.5 36.7

229 21.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.392 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

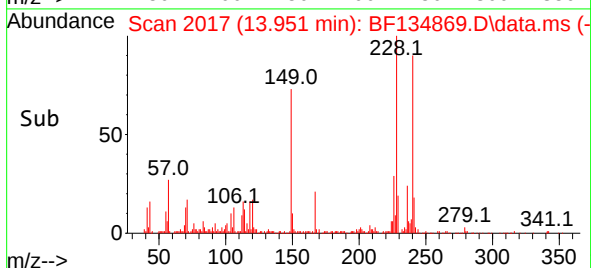
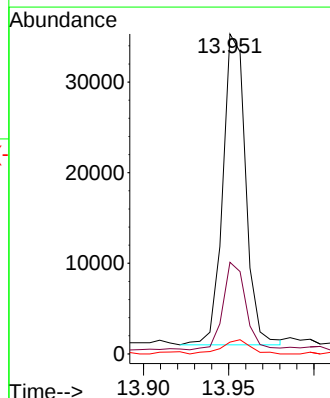
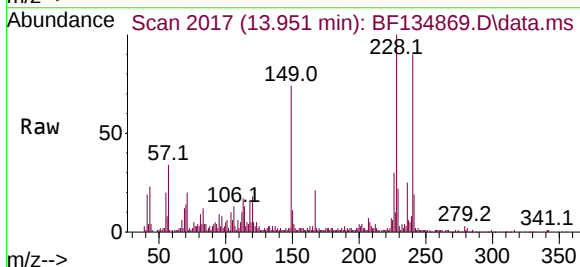
Tgt Ion:149 Resp: 32012

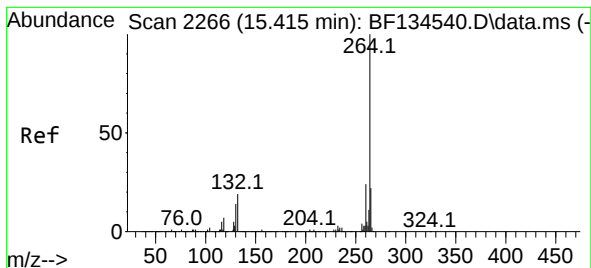
Ion Ratio Lower Upper

149 100

167 28.6 21.6 32.4

279 3.7 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Instrument :

BNA_F

ClientSampleId :

B-PP18A

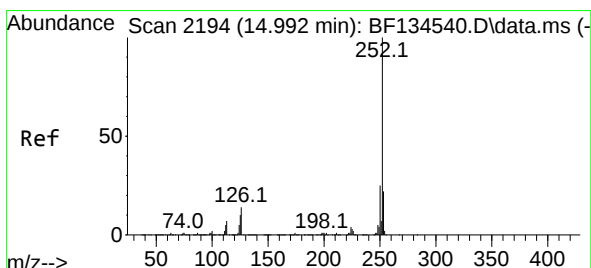
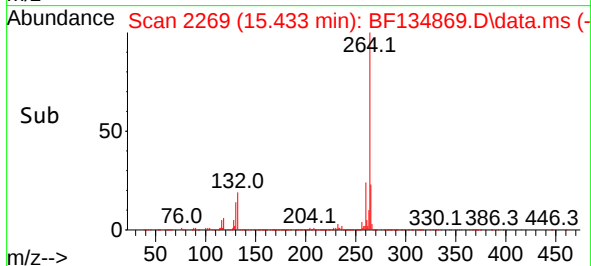
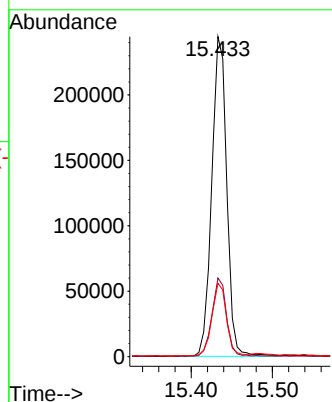
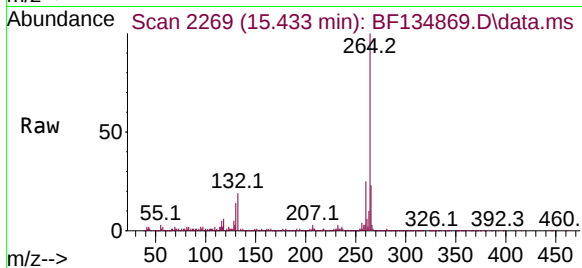
Tgt Ion:264 Resp: 314298

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

265 22.9 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 4.139 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

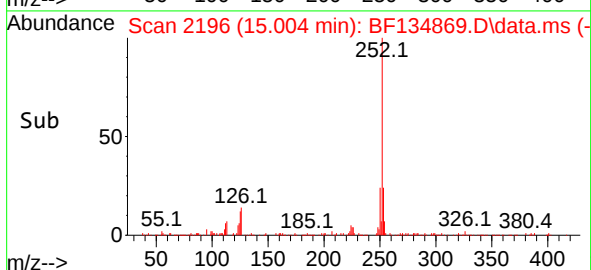
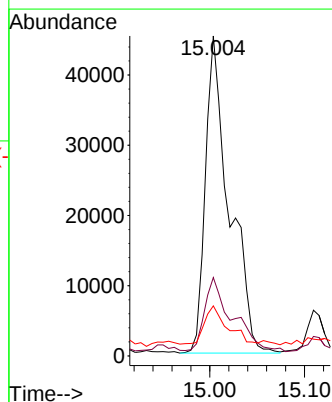
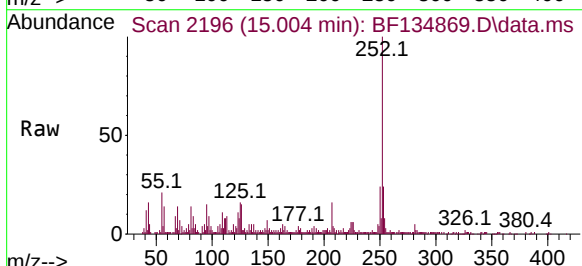
Tgt Ion:252 Resp: 79333

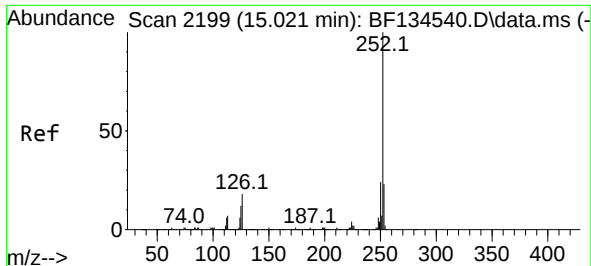
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

125 15.6 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 4.155 ng

RT: 15.004 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Instrument :

BNA_F

ClientSampleId :

B-PP18A

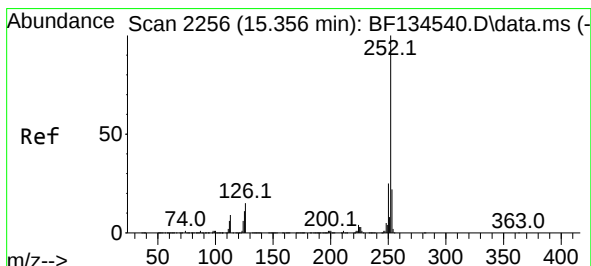
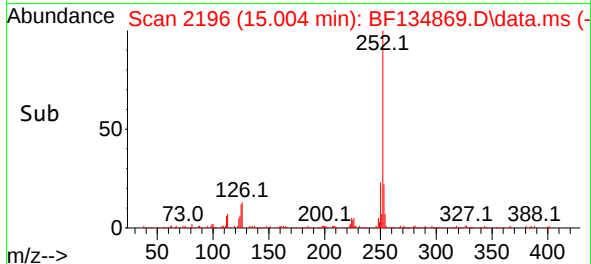
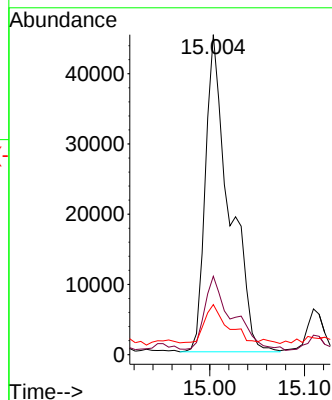
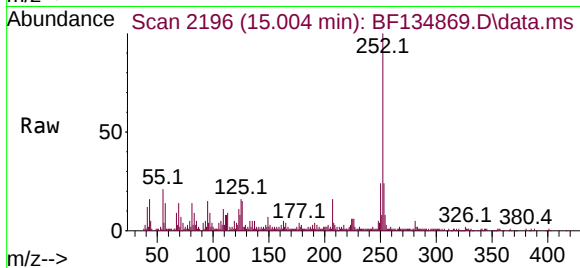
Tgt Ion:252 Resp: 79333

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

125 15.6 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 2.111 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF134869.D

Acq: 21 Aug 2023 15:57

Tgt Ion:252 Resp: 37723

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 15.6 6.2 9.4#

