

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134867.D
 Acq On : 21 Aug 2023 14:51
 Operator : CG\JU
 Sample : 04086-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP06A

Quant Time: Aug 21 15:12:43 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)

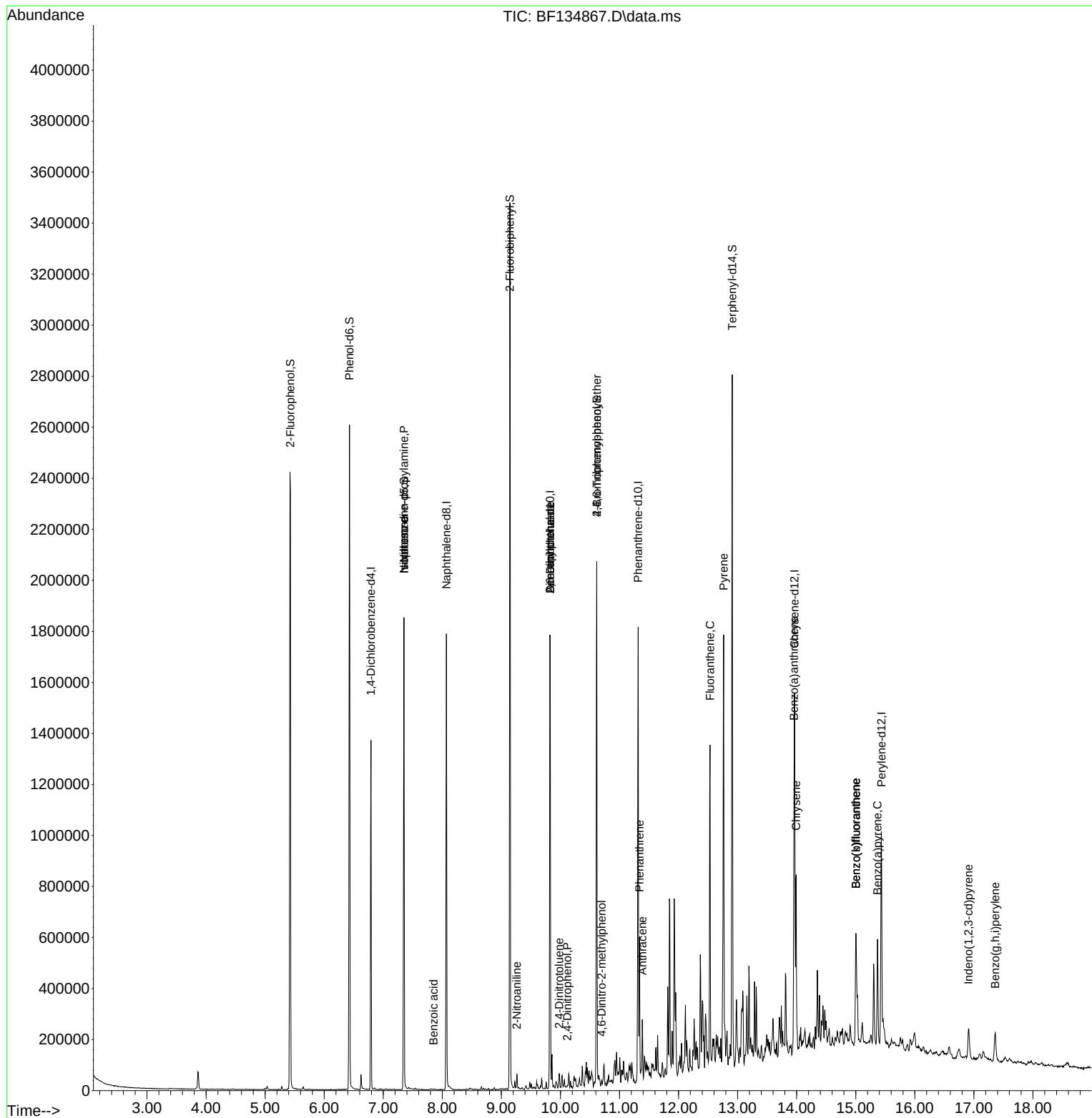
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	186602	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	761795	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	382520	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	628710	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	388479	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	395322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	708233	57.694	ng	0.00
7) Phenol-d6	6.428	99	887707	56.571	ng	-0.01
23) Nitrobenzene-d5	7.351	82	546012	44.791	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	246910	63.320	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1065639	46.320	ng	-0.02
79) Terphenyl-d14	12.910	244	926231	42.031	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	267	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	73119	7.783	ng	# 72
25) Isophorone	7.351	82	539614	20.295	ng	# 65
32) Benzoic acid	7.851	122	111	7.879	ng	# 1
48) 2-Nitroaniline	9.263	65	491	3.232	ng	# 8
50) Dimethylphthalate	9.827	163	81012	3.107	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	49358	11.255	ng	# 17
54) 2,4-Dinitrophenol	10.116	184	206	6.910	ng	# 13
57) 2,4-Dinitrotoluene	9.980	165	2087	3.155	ng	# 39
65) 4,6-Dinitro-2-methylph...	10.698	198	1102	9.054	ng	77
67) 4-Bromophenyl-phenylether	10.616	248	15908	2.311	ng	# 1
71) Phenanthrene	11.339	178	197309	5.908	ng	99
72) Anthracene	11.386	178	81657	2.394	ng	99
75) Fluoranthene	12.533	202	457413	12.967	ng	98
78) Pyrene	12.763	202	694382	20.657	ng	97
81) Benzo(a)anthracene	13.957	228	285171	10.266	ng	98
83) Chrysene	13.992	228	306217	11.315	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	83755	3.602	ng	95
88) Benzo(b)fluoranthene	15.004	252	305860	12.686	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	305860	12.735	ng	# 96
90) Benzo(a)pyrene	15.368	252	197226	8.773	ng	# 96
92) Benzo(g,h,i)perylene	17.362	276	91209	4.759	ng	# 92

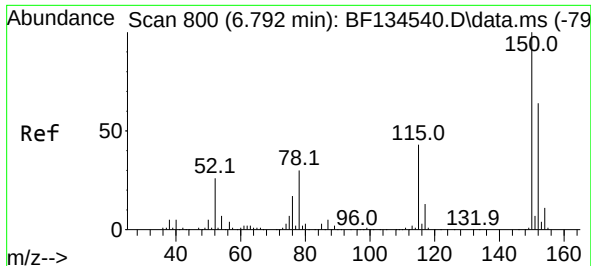
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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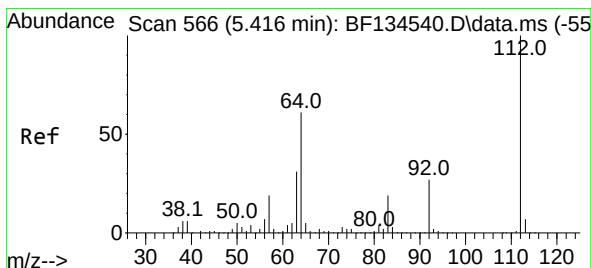
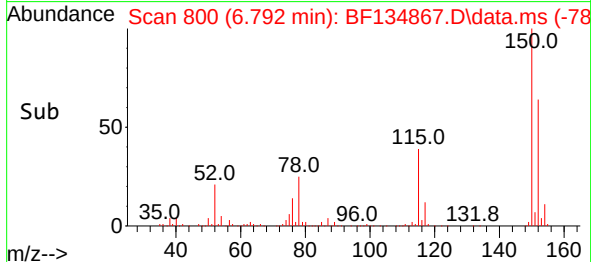
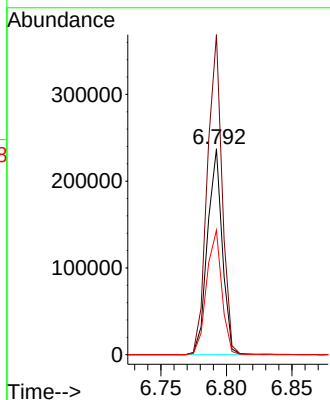
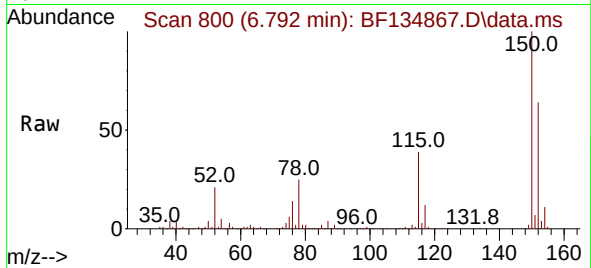




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

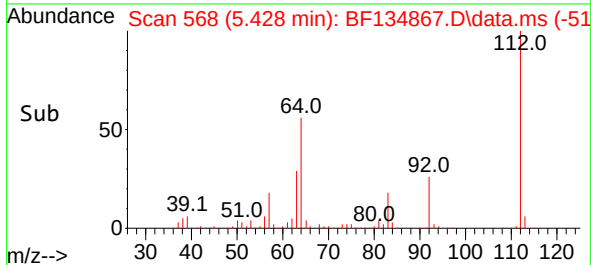
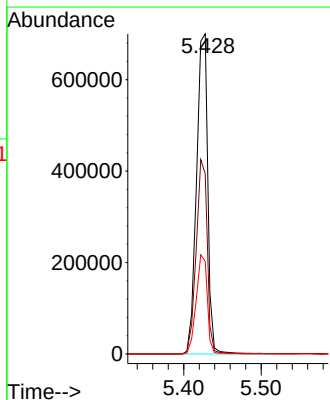
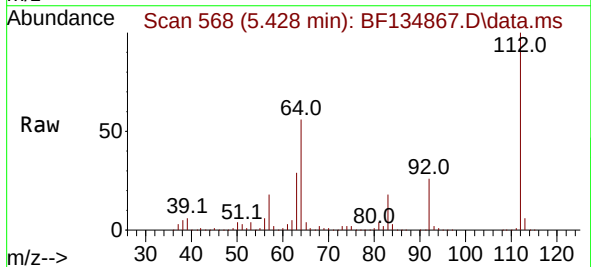
Instrument :
BNA_F
ClientSampleId :
B-PP06A

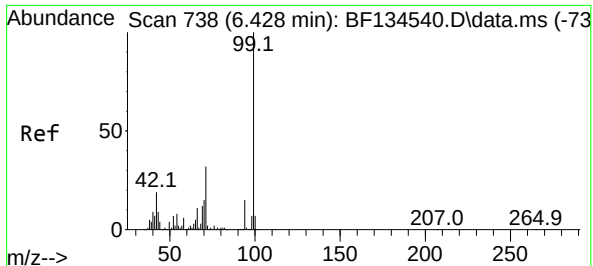
Tgt Ion:152 Resp: 186602
Ion Ratio Lower Upper
152 100
150 155.3 128.3 192.5
115 60.5 52.4 78.6



#5
2-Fluorophenol
Concen: 57.694 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion:112 Resp: 708233
Ion Ratio Lower Upper
112 100
64 56.3 44.9 67.3
63 28.9 25.4 38.0

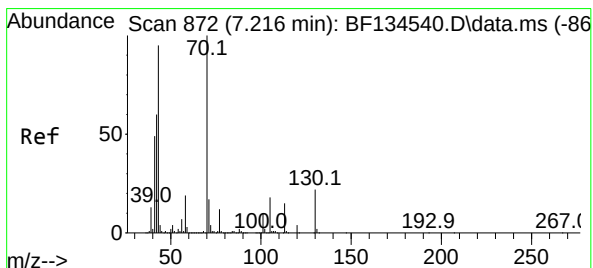
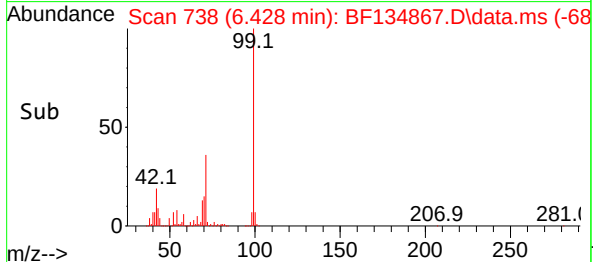
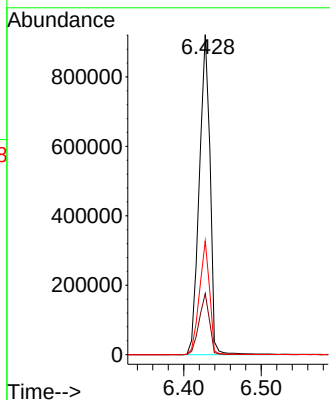
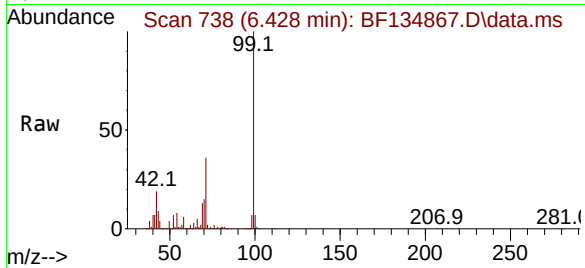




#7
Phenol-d6
Concen: 56.571 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

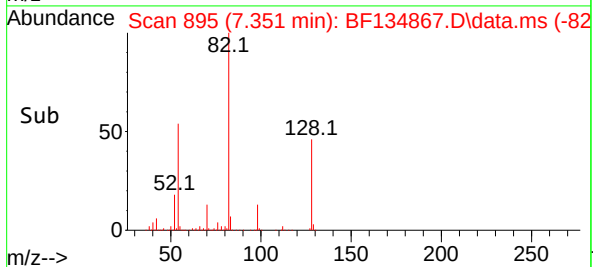
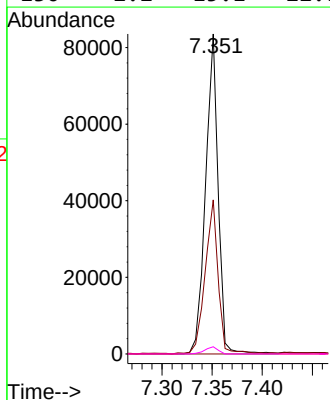
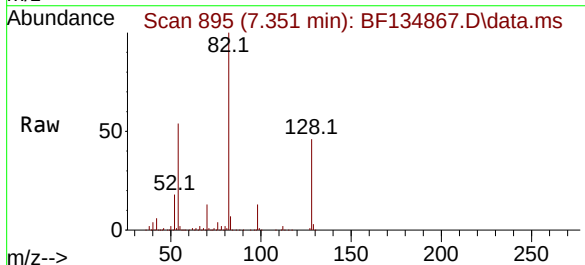
Instrument :
BNA_F
ClientSampleId :
B-PP06A

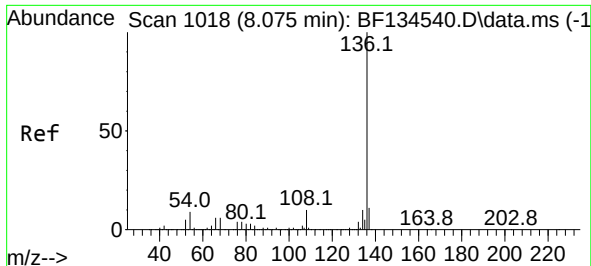
Tgt Ion: 99 Resp: 887707
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 35.5 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.783 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion: 70 Resp: 73119
Ion Ratio Lower Upper
70 100
42 48.2 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#

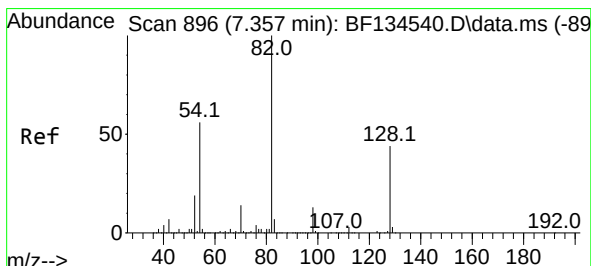
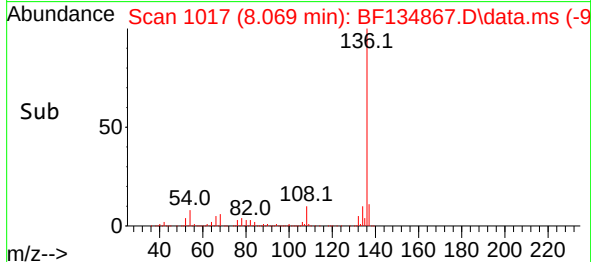
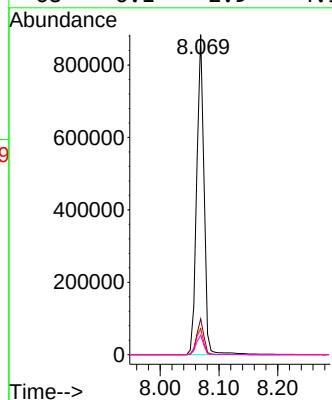
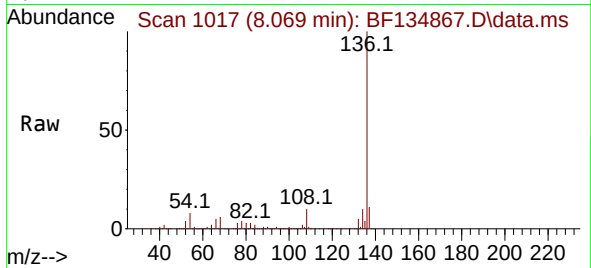




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

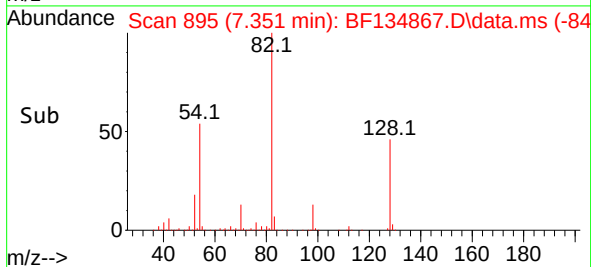
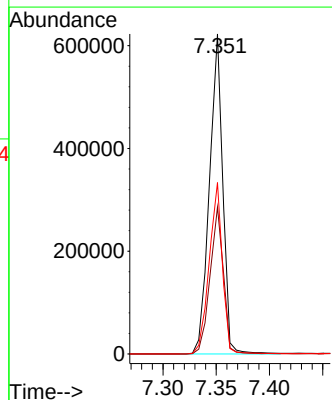
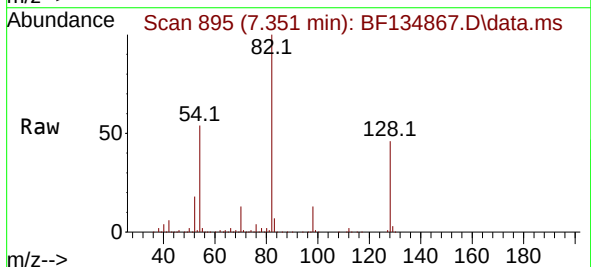
Instrument :
BNA_F
ClientSampleId :
B-PP06A

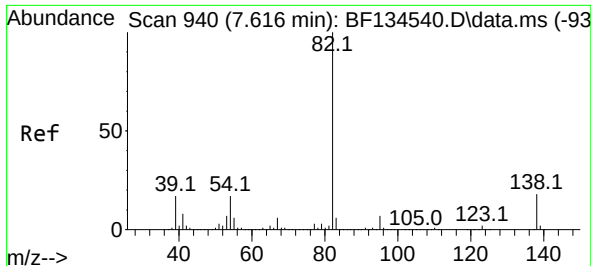
Tgt Ion:136 Resp: 761795
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.2 5.2 7.8#
68 6.1 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 44.791 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion: 82 Resp: 546012
Ion Ratio Lower Upper
82 100
128 45.9 34.3 51.5
54 53.5 43.8 65.6

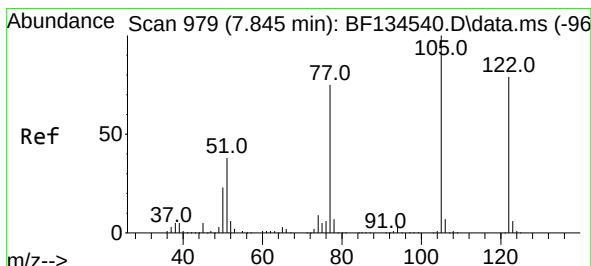
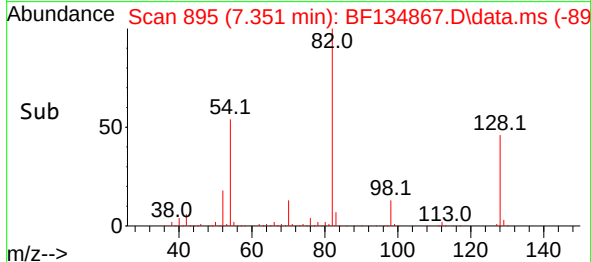
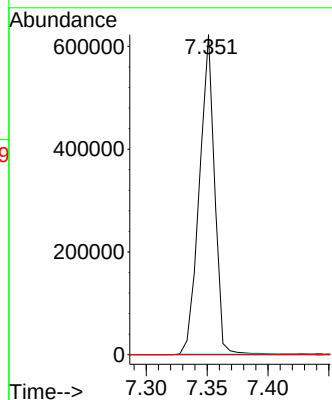
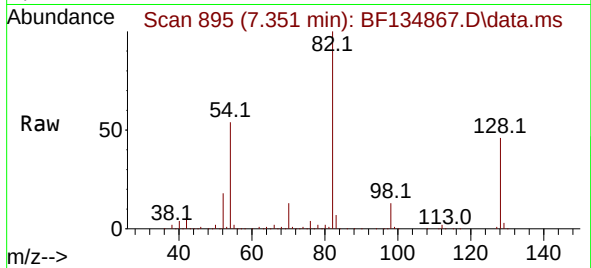




#25
Isophorone
Concen: 20.295 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

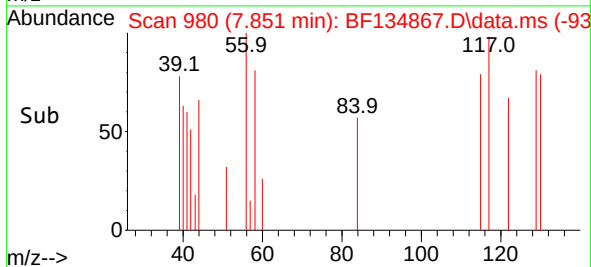
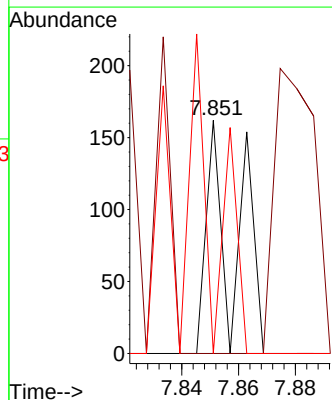
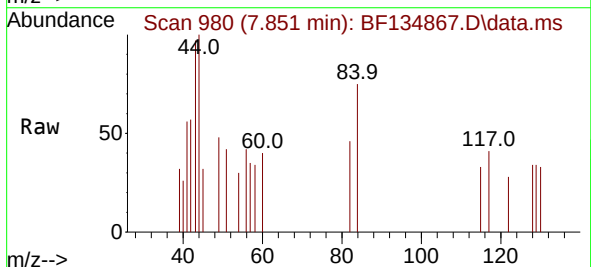
Instrument :
BNA_F
ClientSampleId :
B-PP06A

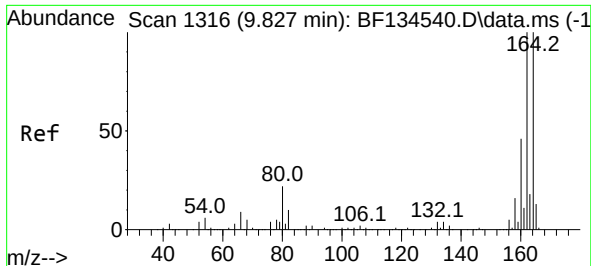
Tgt Ion: 82 Resp: 539614
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.879 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

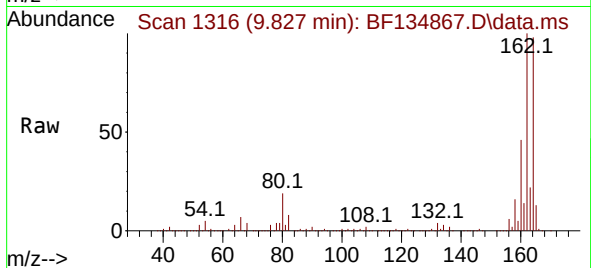
Tgt Ion: 122 Resp: 111
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 0.0 71.4 111.4#



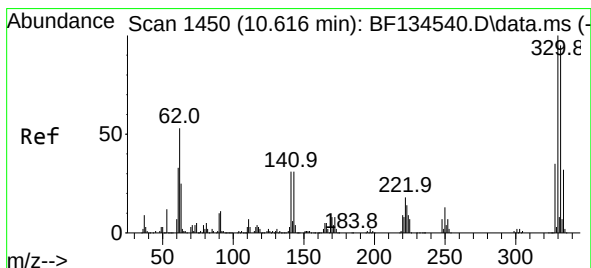
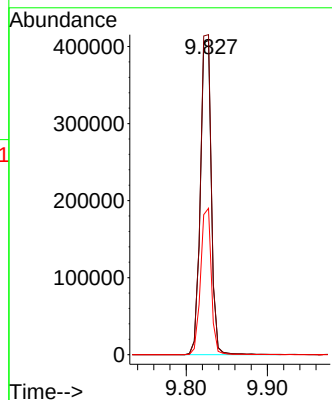
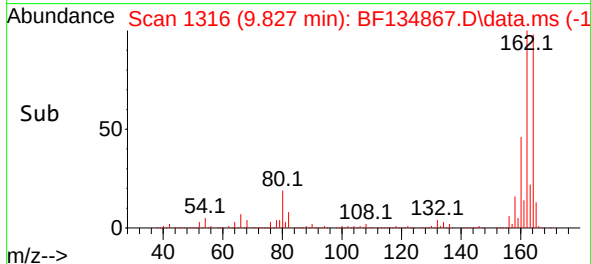


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

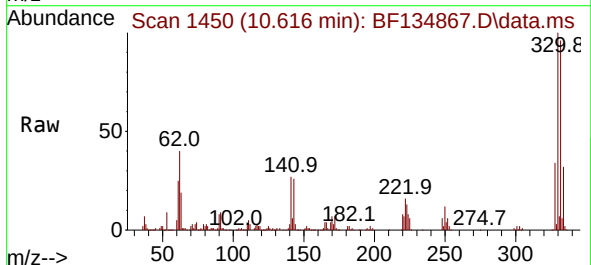
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BNA_F
ClientSampleId :
B-PP06A



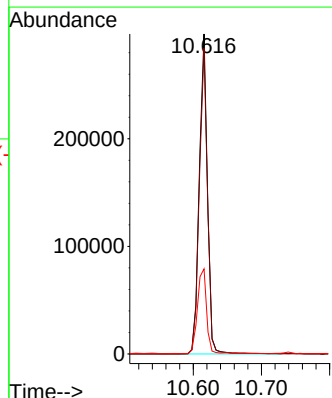
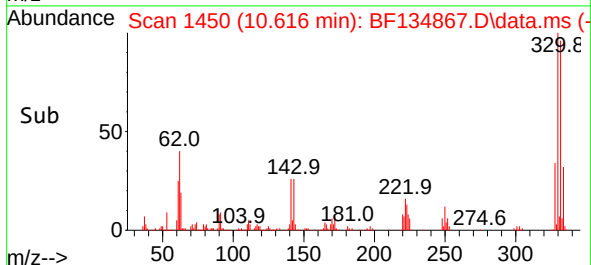
Tgt Ion:164 Resp: 382520
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 46.6 37.2 55.8

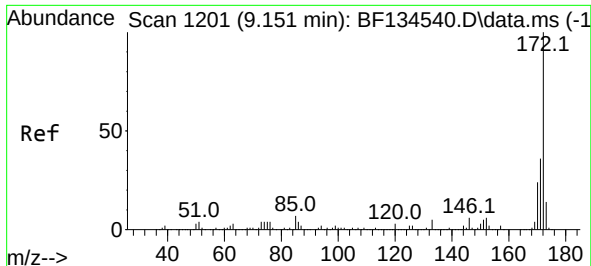


#42
2,4,6-Tribromophenol
Concen: 63.320 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51



Tgt Ion:330 Resp: 246910
Ion Ratio Lower Upper
330 100
332 95.5 78.8 118.2
141 29.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 46.320 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

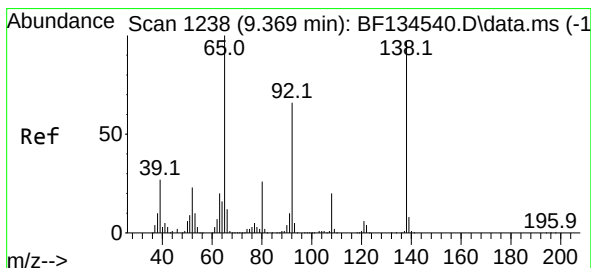
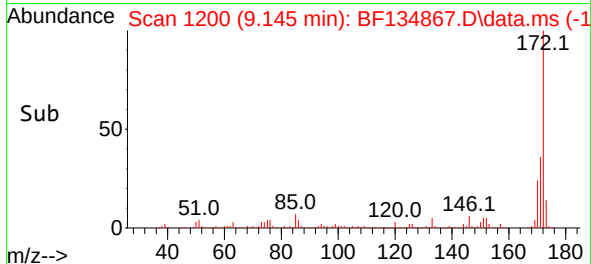
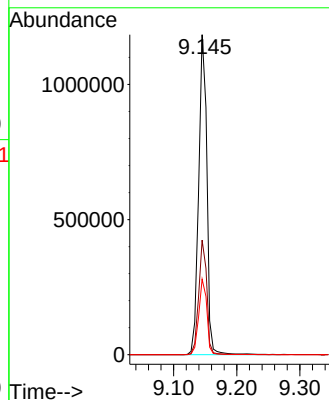
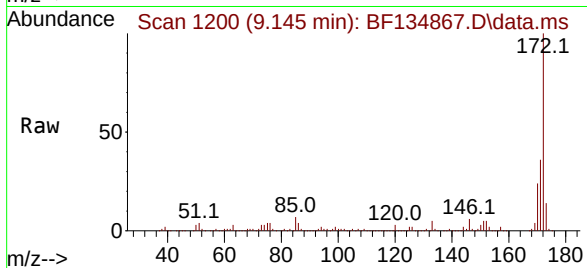
Tgt Ion:172 Resp: 1065639

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.6 18.7 28.1



#48

2-Nitroaniline

Concen: 3.232 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.118 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

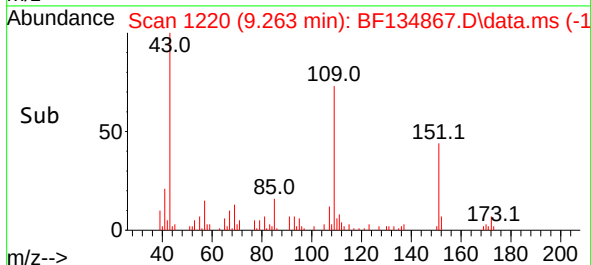
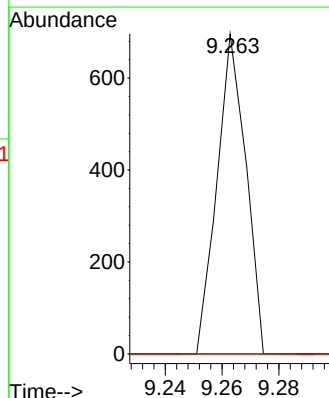
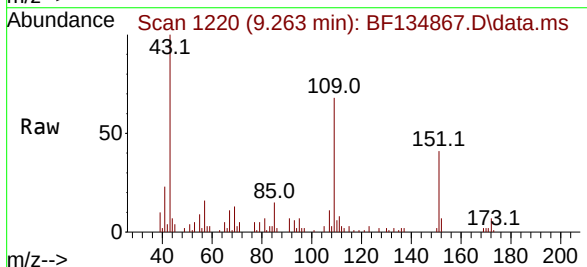
Tgt Ion: 65 Resp: 491

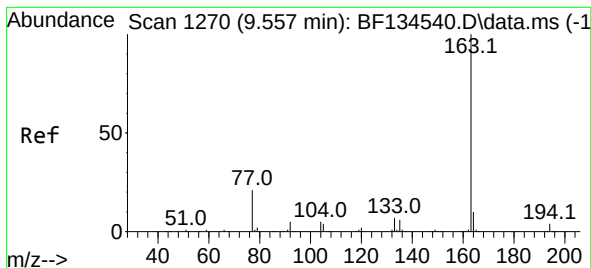
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#





#50

Dimethylphthalate

Concen: 3.107 ng

RT: 9.827 min Scan# 1

Delta R.T. 0.259 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

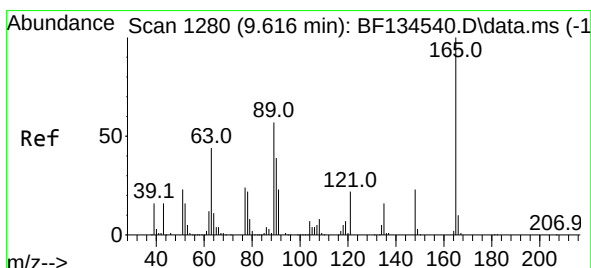
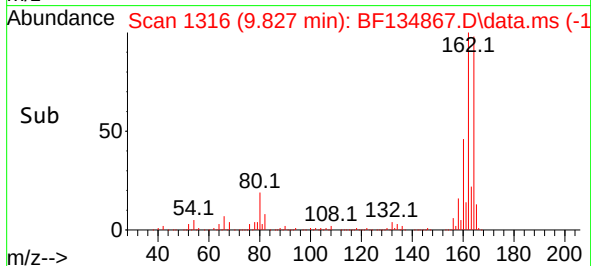
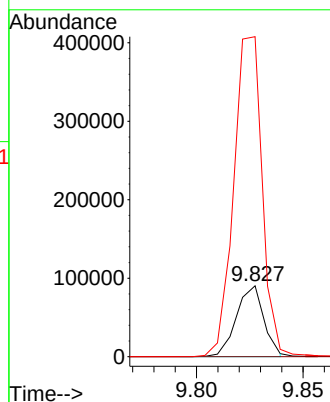
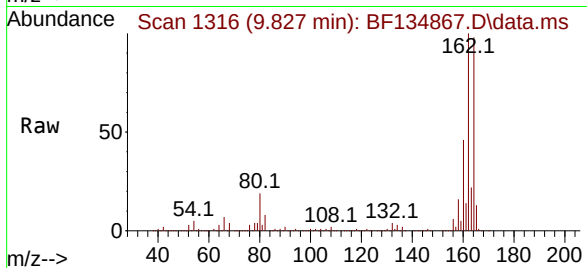
Tgt Ion:163 Resp: 81012

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: 11.255 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

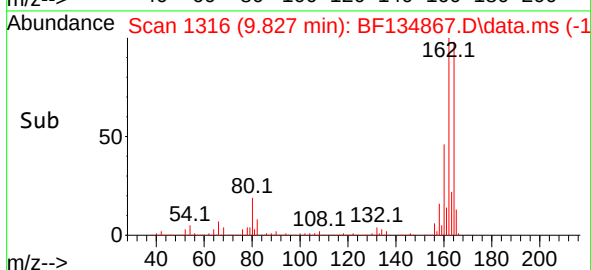
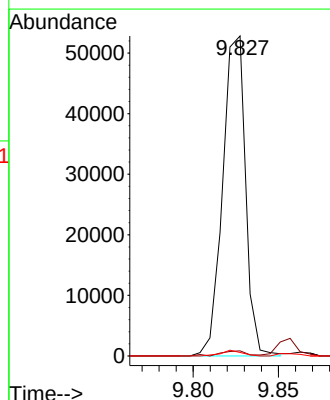
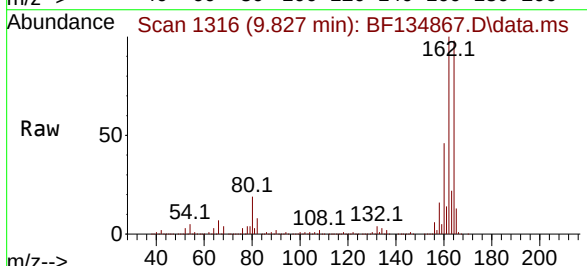
Tgt Ion:165 Resp: 49358

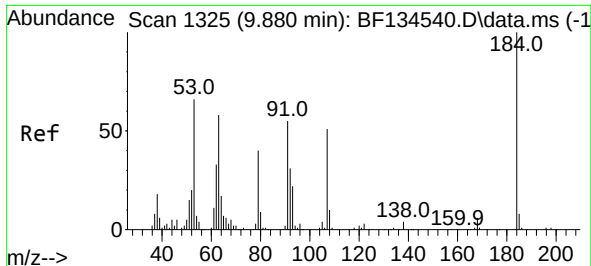
Ion Ratio Lower Upper

165 100

63 1.6 57.8 86.6#

89 1.1 51.8 77.8#





#54

2,4-Dinitrophenol

Concen: 6.910 ng

RT: 10.116 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

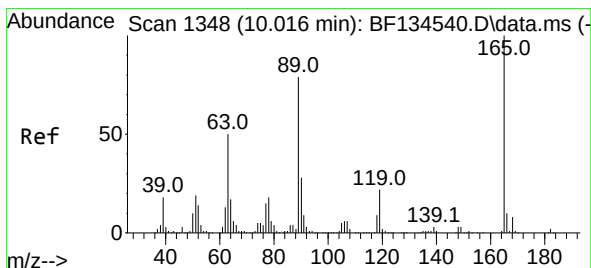
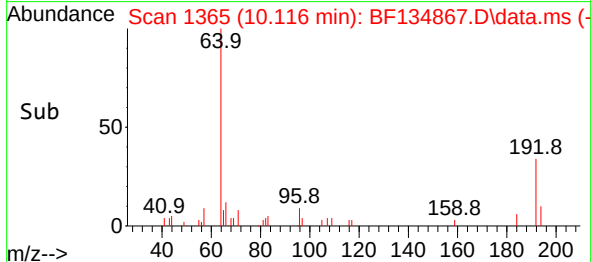
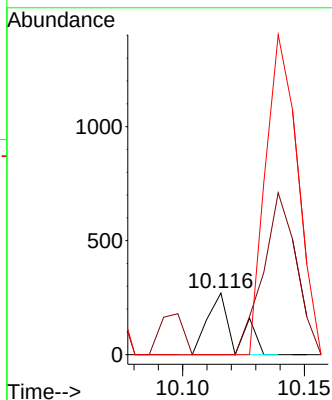
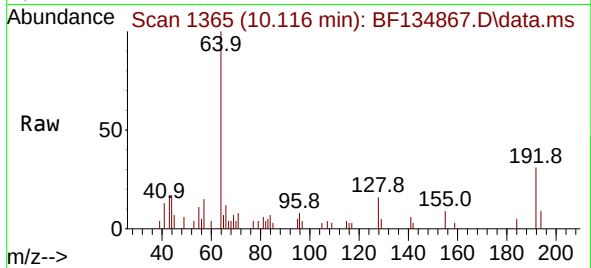
Tgt Ion:184 Resp: 206

Ion Ratio Lower Upper

184 100

63 0.0 57.1 85.7#

154 0.0 59.1 88.7#



#57

2,4-Dinitrotoluene

Concen: 3.155 ng

RT: 9.980 min Scan# 1342

Delta R.T. -0.047 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Tgt Ion:165 Resp: 2087

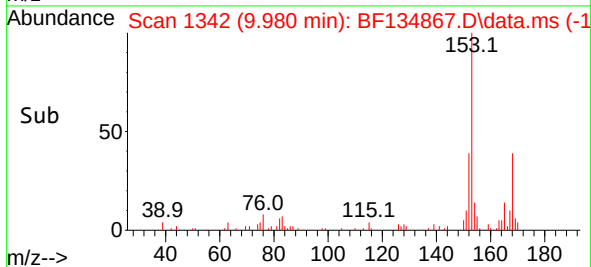
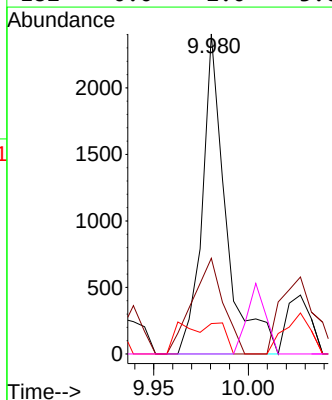
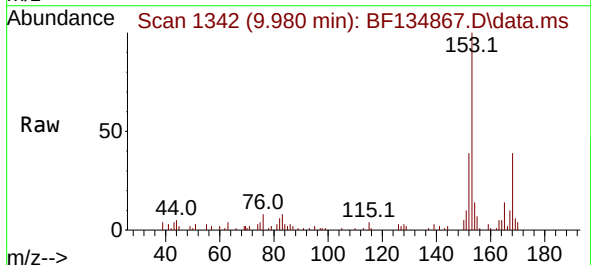
Ion Ratio Lower Upper

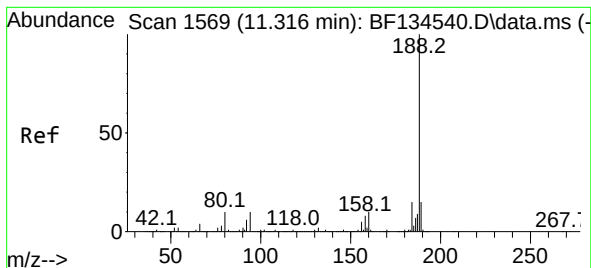
165 100

63 29.9 48.9 73.3#

89 9.5 61.7 92.5#

182 0.0 2.0 3.0#

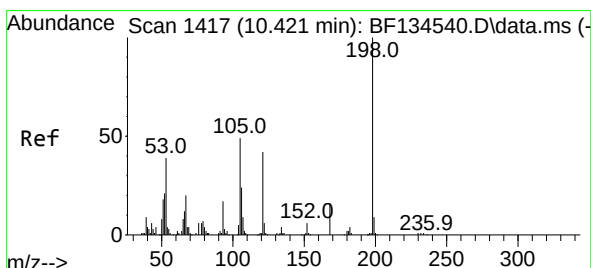
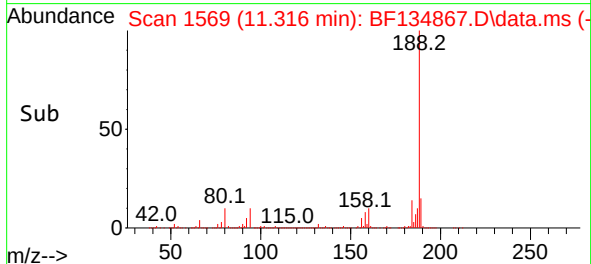
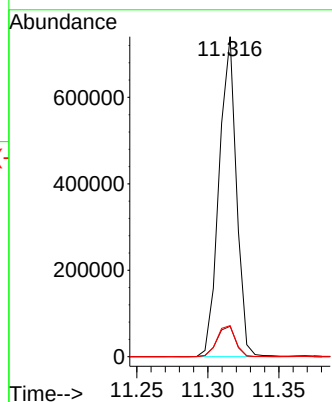
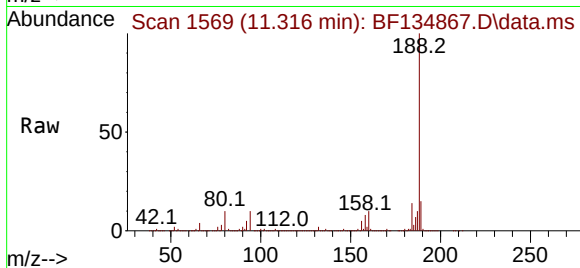




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

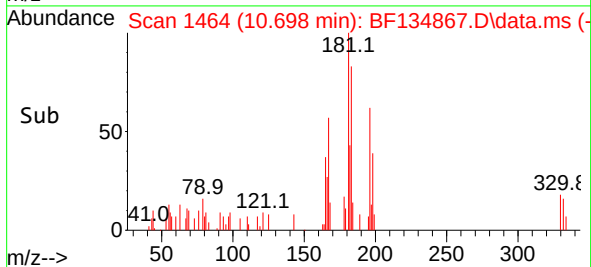
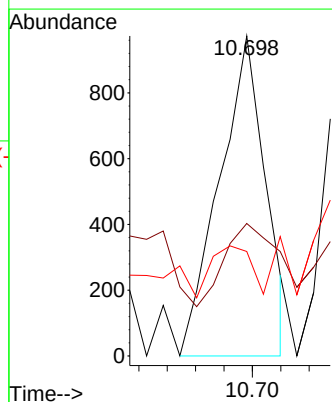
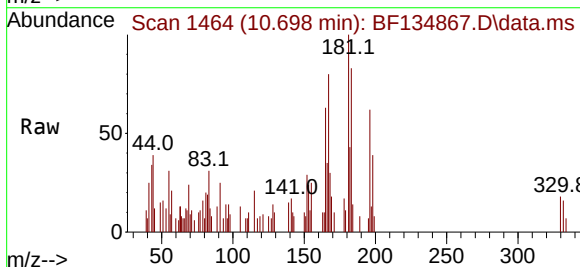
Instrument :
BNA_F
ClientSampleId :
B-PP06A

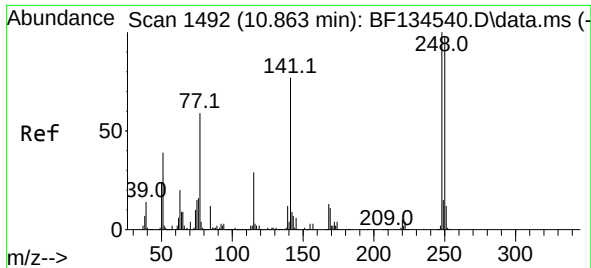
Tgt Ion:188 Resp: 628710
Ion Ratio Lower Upper
188 100
94 9.5 5.1 7.7#
80 9.7 6.6 9.8



#65
4,6-Dinitro-2-methylphenol
Concen: 9.054 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.259 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion:198 Resp: 1102
Ion Ratio Lower Upper
198 100
51 41.4 38.6 78.6
105 32.7 27.9 67.9

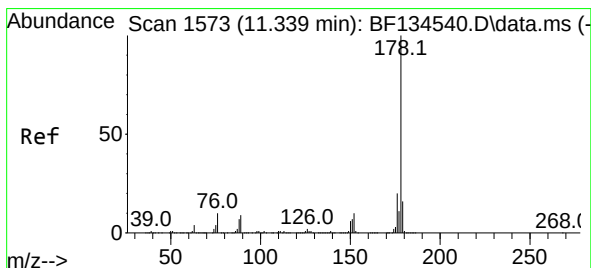
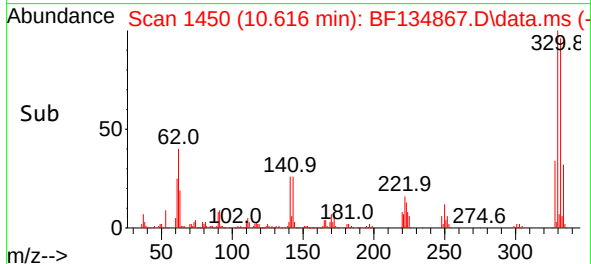
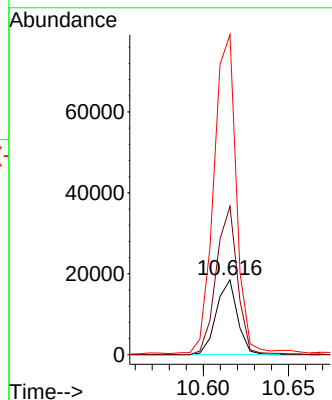
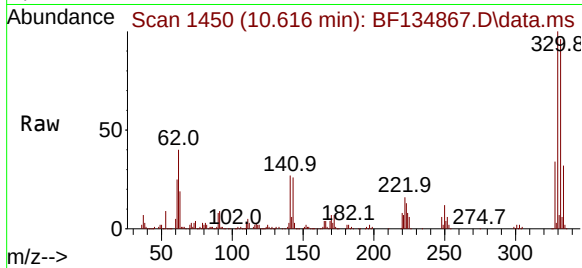




#67
4-Bromophenyl-phenylether
Concen: 2.311 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

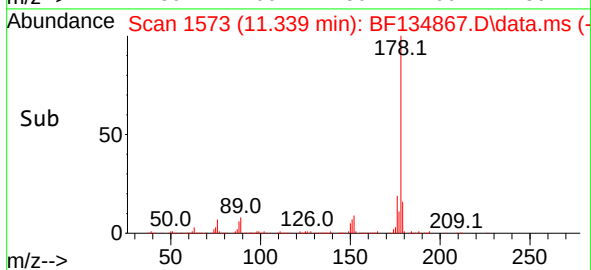
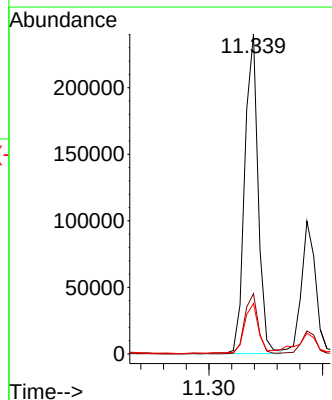
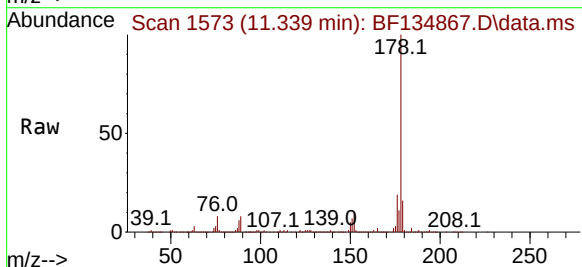
Instrument :
BNA_F
ClientSampleId :
B-PP06A

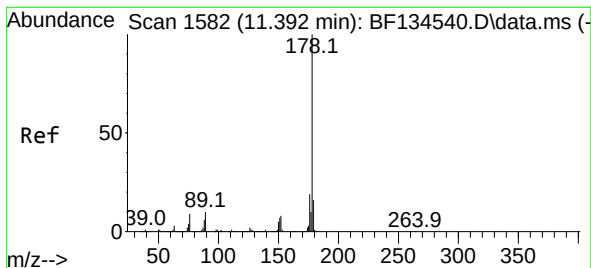
Tgt Ion:248 Resp: 15908
Ion Ratio Lower Upper
248 100
250 198.4 79.6 119.4#
141 428.1 59.6 89.4#



#71
Phenanthrene
Concen: 5.908 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion:178 Resp: 197309
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.8 12.7 19.1





#72

Anthracene

Concen: 2.394 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.018 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

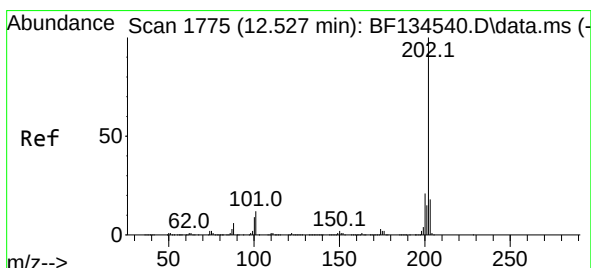
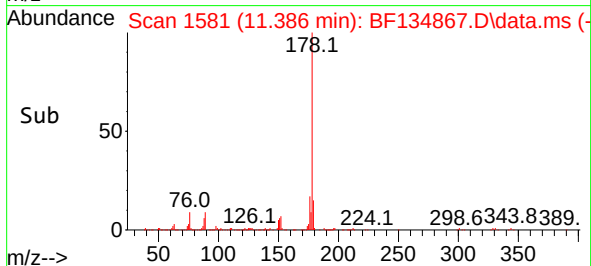
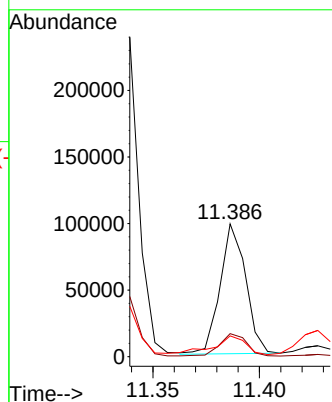
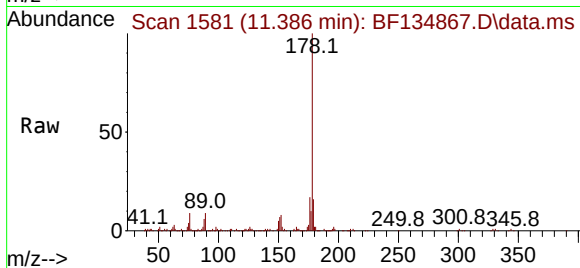
Tgt Ion:178 Resp: 81657

Ion Ratio Lower Upper

178 100

176 17.4 14.6 21.8

179 15.7 12.3 18.5



#75

Fluoranthene

Concen: 12.967 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

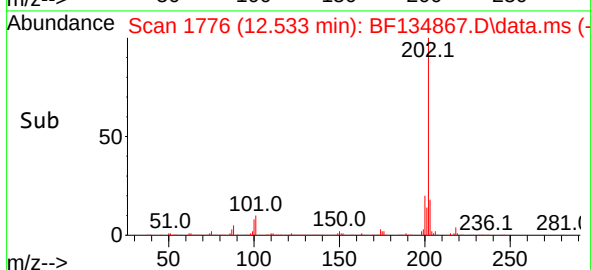
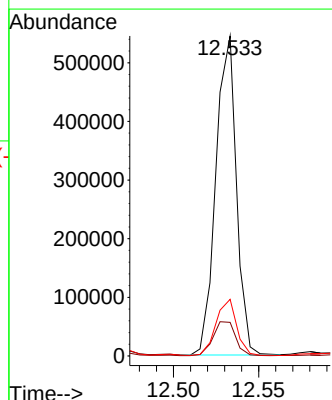
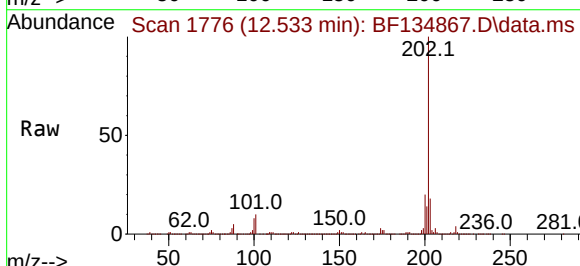
Tgt Ion:202 Resp: 457413

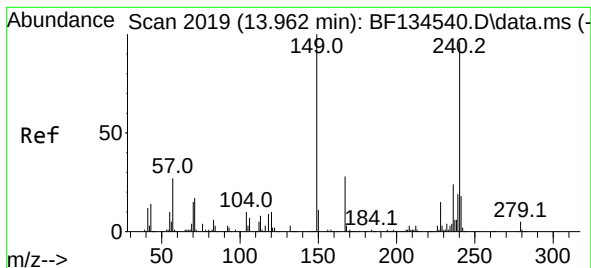
Ion Ratio Lower Upper

202 100

101 10.5 0.0 28.5

203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

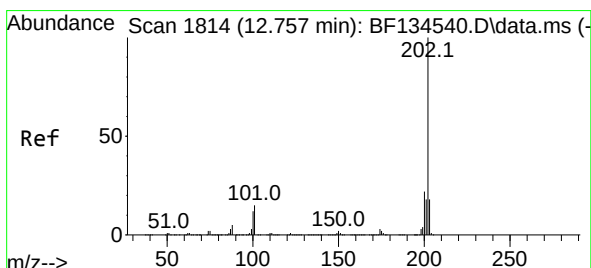
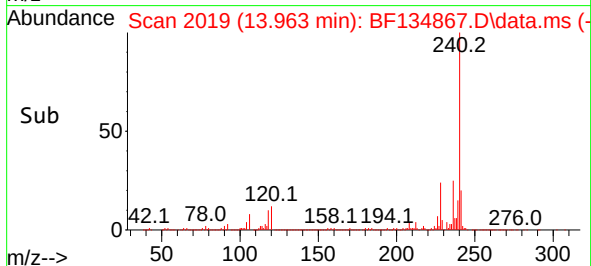
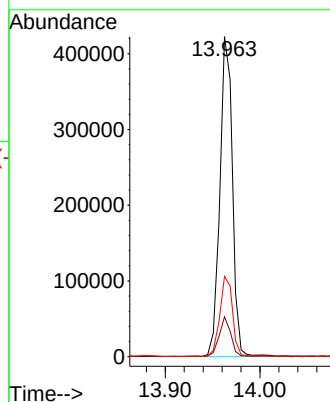
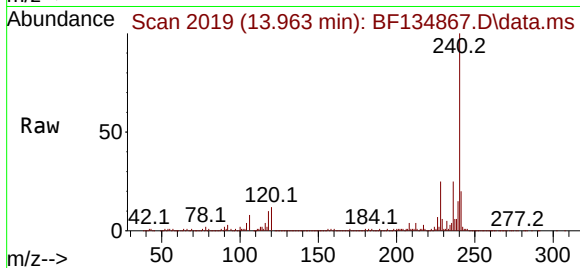
Tgt Ion:240 Resp: 388479

Ion Ratio Lower Upper

240 100

120 12.5 6.6 10.0#

236 25.1 20.2 30.2



#78

Pyrene

Concen: 20.657 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

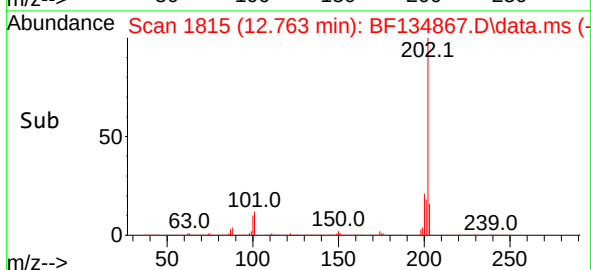
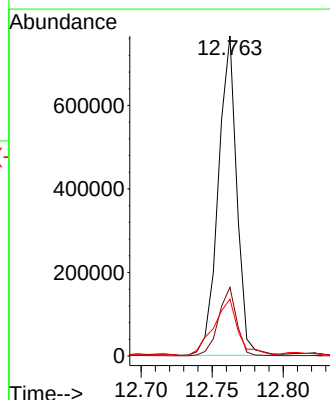
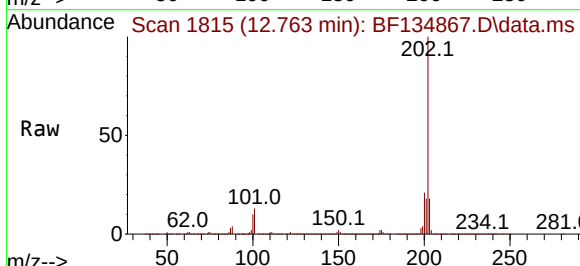
Tgt Ion:202 Resp: 694382

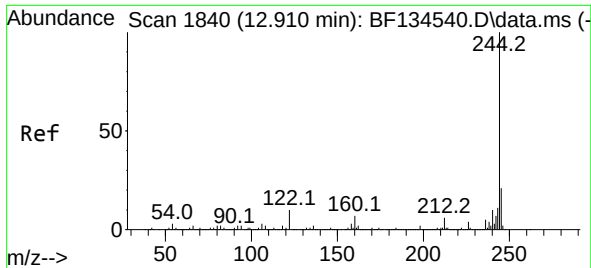
Ion Ratio Lower Upper

202 100

200 21.4 15.8 23.8

203 17.8 13.5 20.3

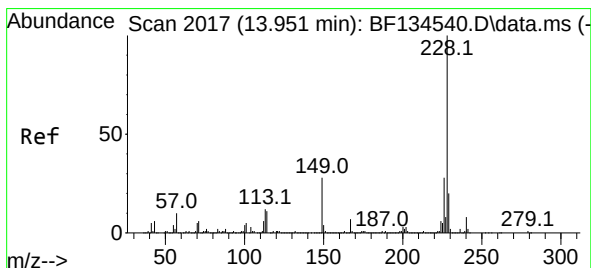
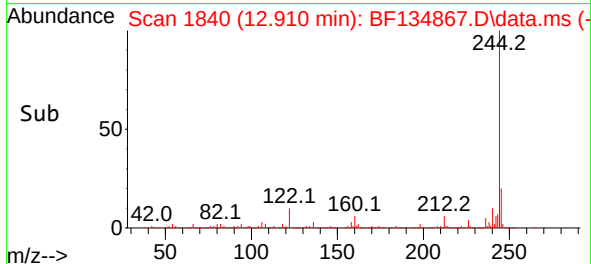
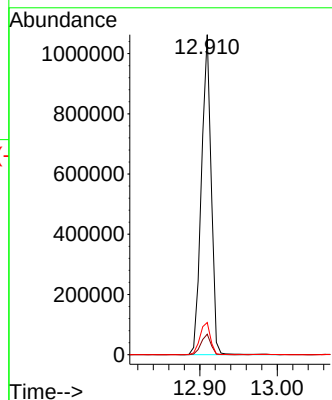
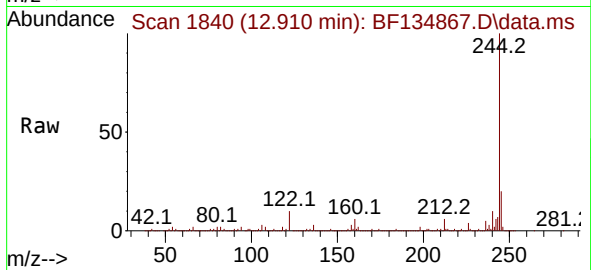




#79
 Terphenyl-d14
 Concen: 42.031 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51

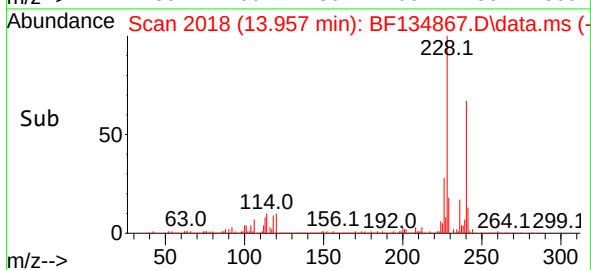
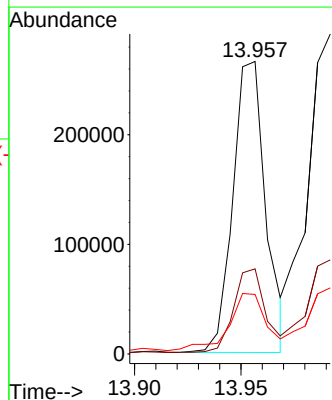
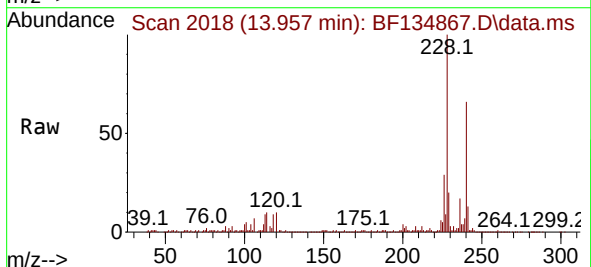
Instrument :
 BNA_F
 ClientSampleId :
 B-PP06A

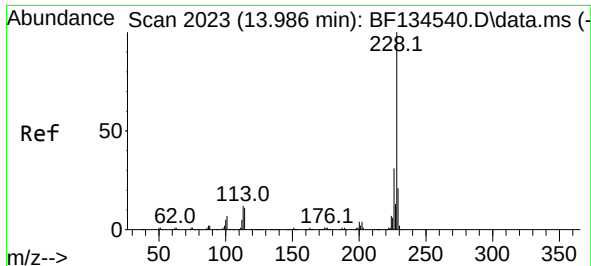
Tgt Ion:244 Resp: 926231
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.0 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 10.266 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51

Tgt Ion:228 Resp: 285171
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.3 33.5
 229 20.4 15.8 23.6

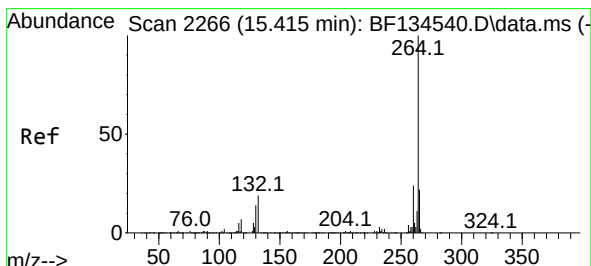
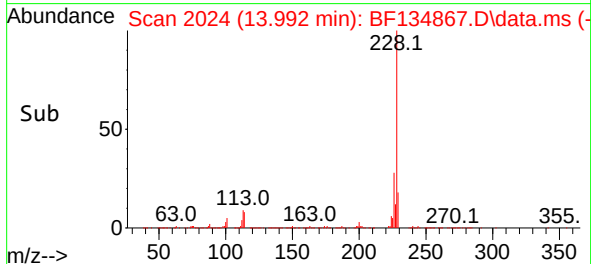
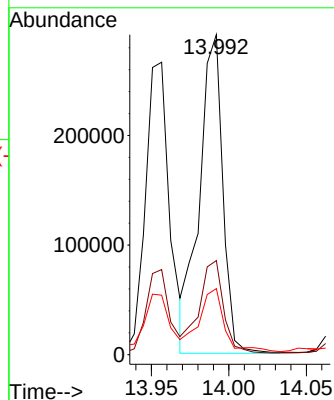
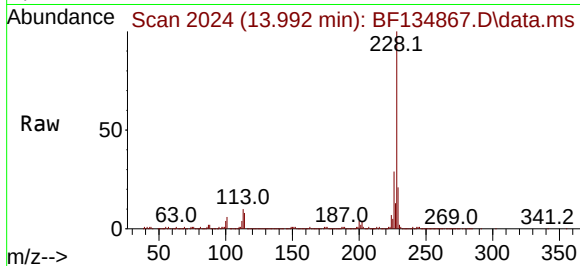




#83
Chrysene
Concen: 11.315 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

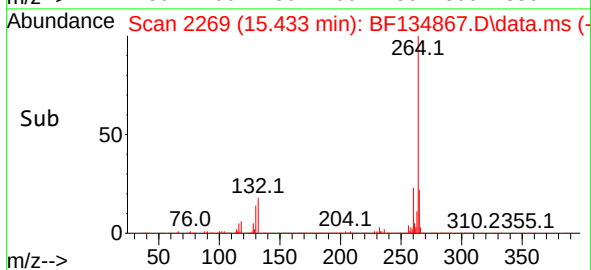
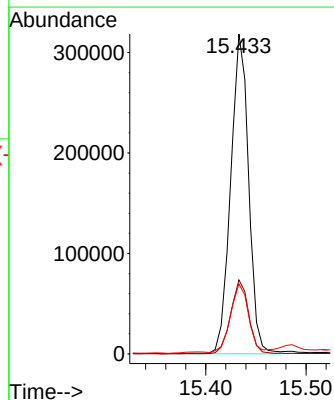
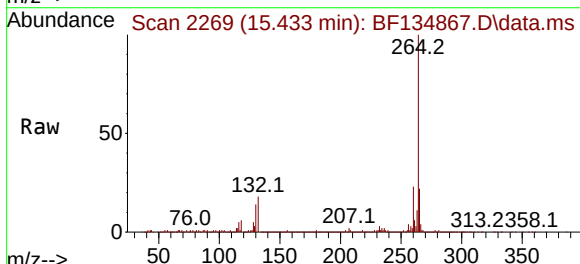
Instrument :
BNA_F
ClientSampleId :
B-PP06A

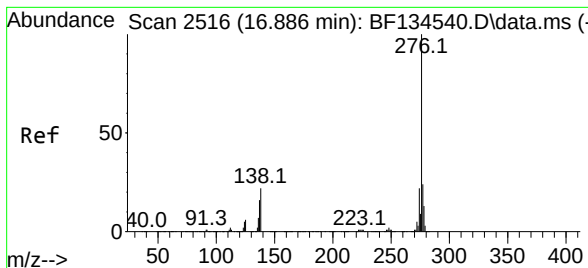
Tgt Ion:228 Resp: 306217
Ion Ratio Lower Upper
228 100
226 29.4 24.5 36.7
229 20.7 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion:264 Resp: 395322
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 21.9 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.602 ng

RT: 16.909 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

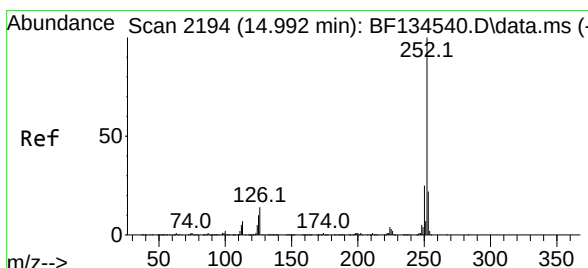
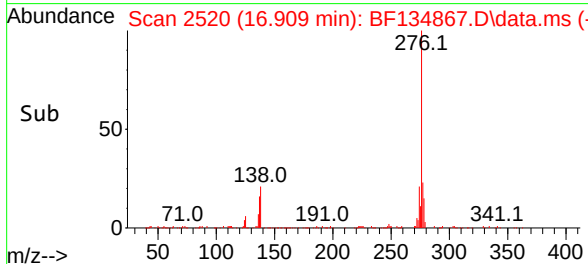
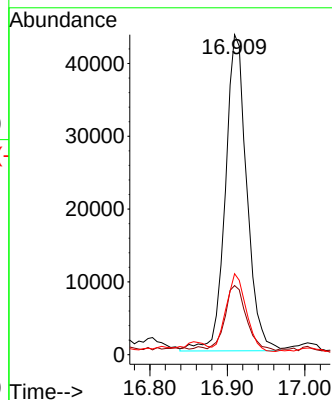
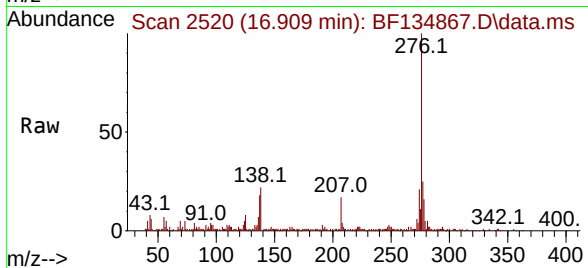
Tgt Ion:276 Resp: 83755

Ion Ratio Lower Upper

276 100

138 20.5 14.2 21.4

277 22.9 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 12.686 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

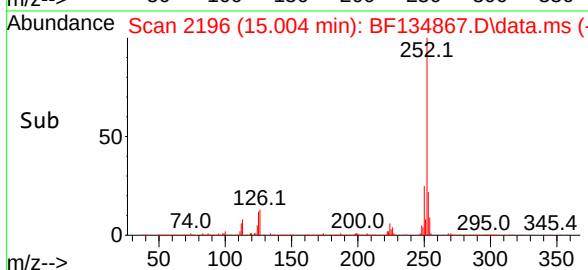
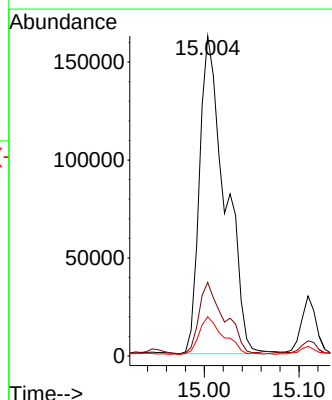
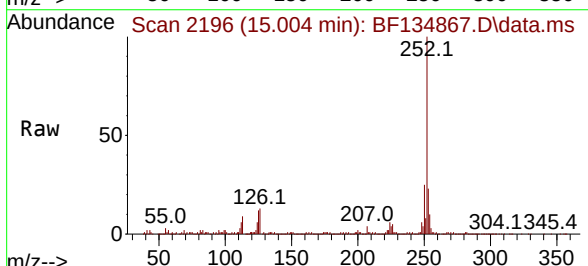
Tgt Ion:252 Resp: 305860

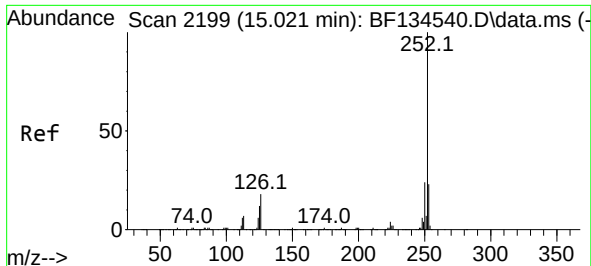
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 12.2 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 12.735 ng

RT: 15.004 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

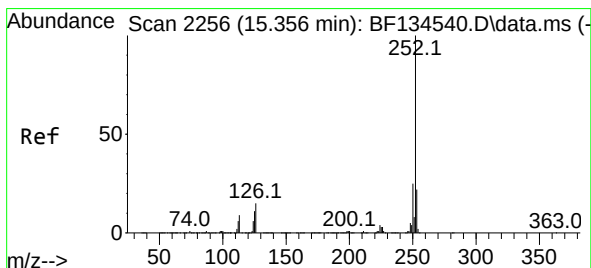
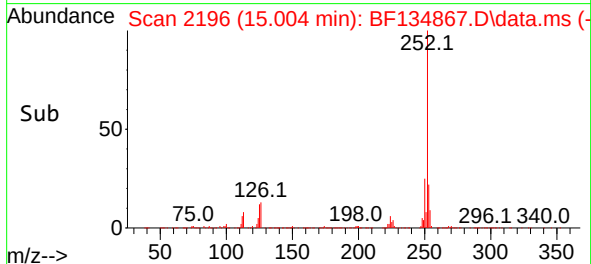
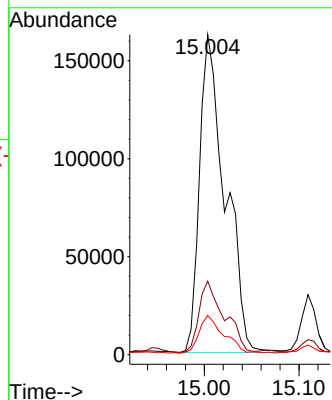
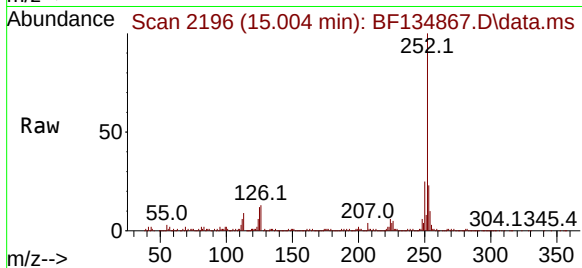
Tgt Ion:252 Resp: 305860

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 12.2 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 8.773 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

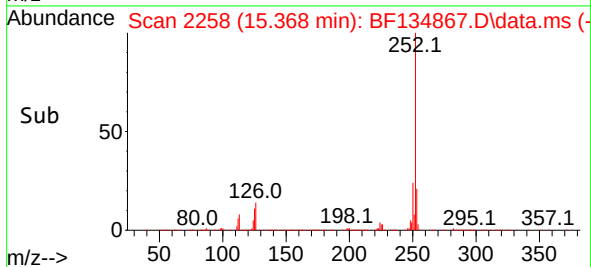
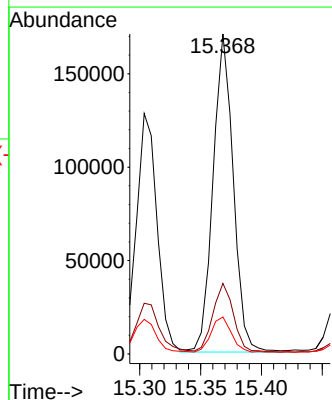
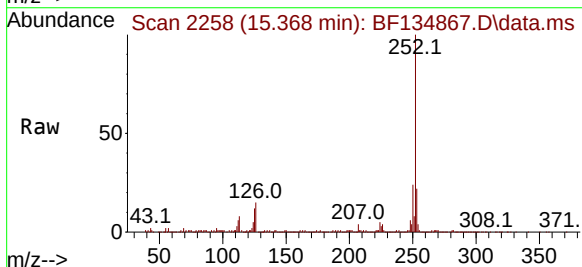
Tgt Ion:252 Resp: 197226

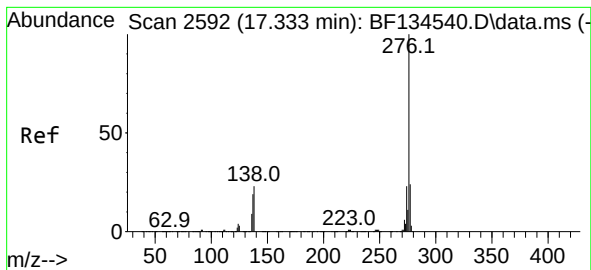
Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.4

125 11.6 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 4.759 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134867.D

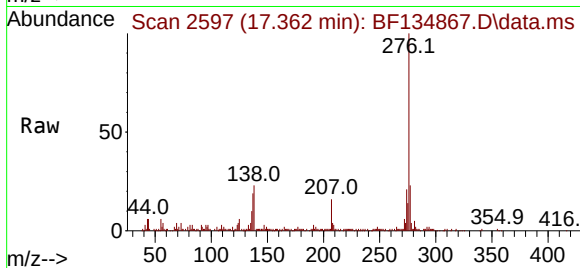
Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A



Tgt Ion:276 Resp: 91209

Ion Ratio Lower Upper

276 100

277 22.7 19.0 28.6

138 22.7 12.2 18.2#

