

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134960.D
 Acq On : 28 Aug 2023 10:41
 Operator : CG\JU
 Sample : 04110-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-19(0-1)

Quant Time: Aug 29 03:46:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

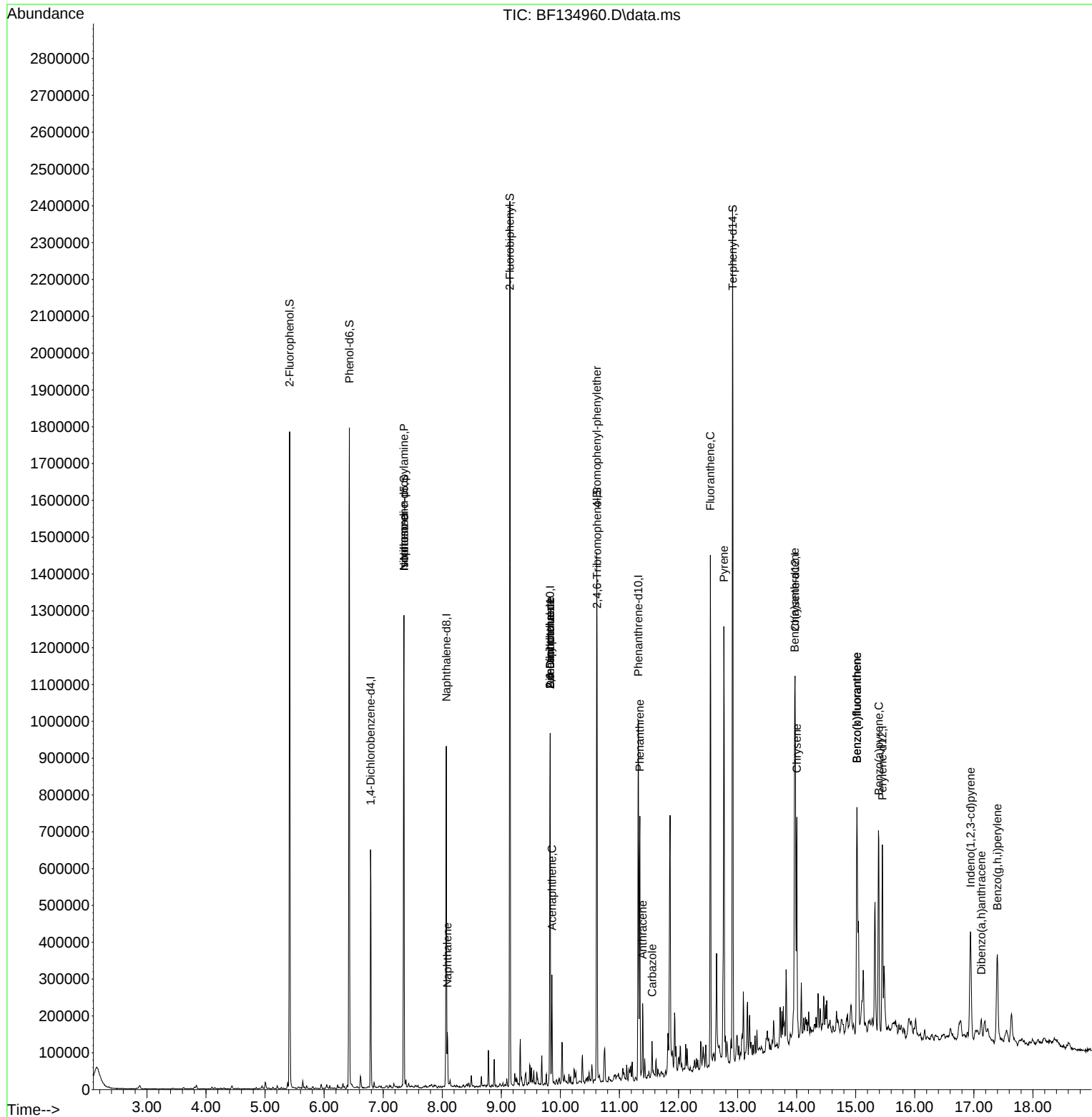
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	91629	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	356019	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	182938	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	339245	20.000	ng	0.00
76) Chrysene-d12	13.974	240	214980	20.000	ng	0.00
86) Perylene-d12	15.451	264	219685	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	453112	78.857	ng	0.00
7) Phenol-d6	6.428	99	574598	78.258	ng	-0.01
23) Nitrobenzene-d5	7.351	82	368732	57.071	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	165744	76.927	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	676438	57.161	ng	-0.01
79) Terphenyl-d14	12.915	244	779218	49.853	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	48183	11.236	ng	# 80
25) Isophorone	7.351	82	366381	30.369	ng	# 64
31) Naphthalene	8.086	128	53406	3.004	ng	99
50) Dimethylphthalate	9.827	163	36679	2.817	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	23856	8.306	ng	# 29
52) Acenaphthene	9.857	154	44896	4.291	ng	97
57) 2,4-Dinitrotoluene	9.827	165	23856	6.717	ng	# 25
67) 4-Bromophenyl-phenylether	10.616	248	10981	2.806	ng	# 1
71) Phenanthrene	11.345	178	249928	14.059	ng	99
72) Anthracene	11.392	178	72482	3.979	ng	98
73) Carbazole	11.551	167	34425	2.294	ng	98
75) Fluoranthene	12.539	202	522793	31.038	ng	99
78) Pyrene	12.768	202	477970	20.970	ng	99
81) Benzo(a)anthracene	13.968	228	260887	17.787	ng	95
83) Chrysene	14.004	228	241008	16.653	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	201983	12.863	ng	95
88) Benzo(b)fluoranthene	15.021	252	453581	36.595	ng	99
89) Benzo(k)fluoranthene	15.021	252	453581	37.267	ng	98
90) Benzo(a)pyrene	15.392	252	257809	20.836	ng	97
91) Dibenzo(a,h)anthracene	17.127	278	35550	2.798	ng	97
92) Benzo(g,h,i)perylene	17.397	276	198860	15.289	ng	98

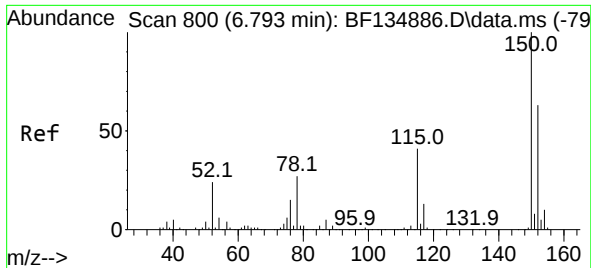
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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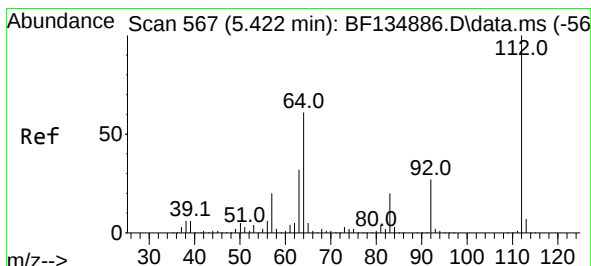
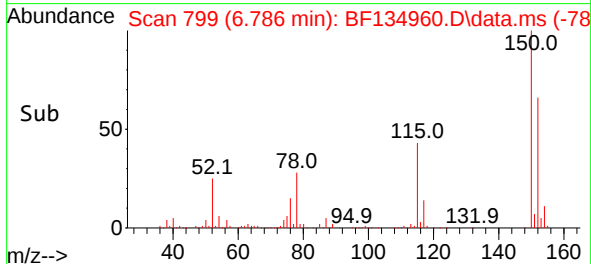
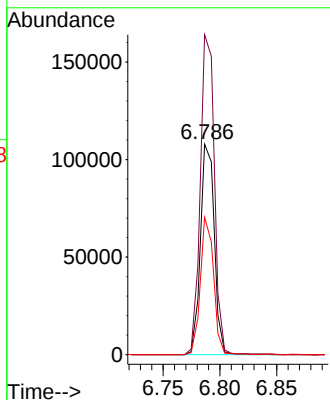
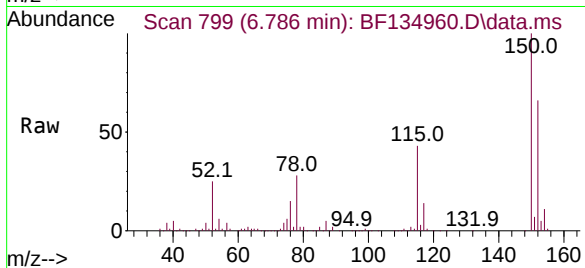




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.007 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

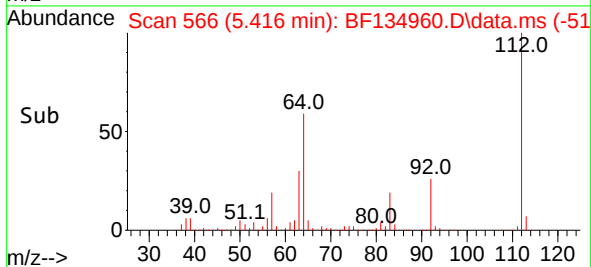
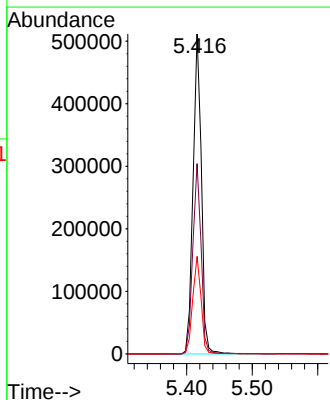
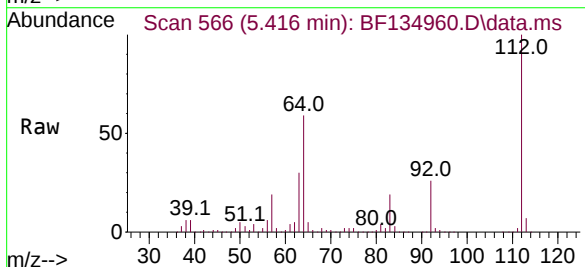
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

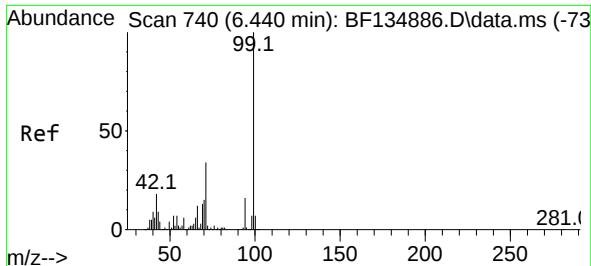
Tgt Ion:152 Resp: 91629
Ion Ratio Lower Upper
152 100
150 152.1 126.1 189.1
115 65.3 51.1 76.7



#5
2-Fluorophenol
Concen: 78.857 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:112 Resp: 453112
Ion Ratio Lower Upper
112 100
64 59.5 48.6 73.0
63 30.5 25.7 38.5

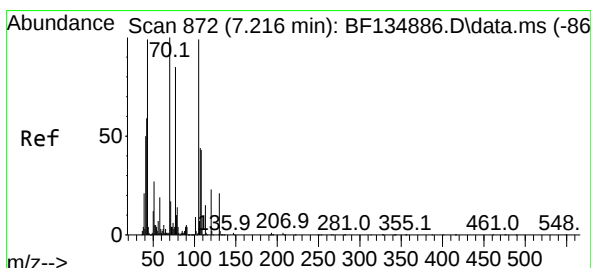
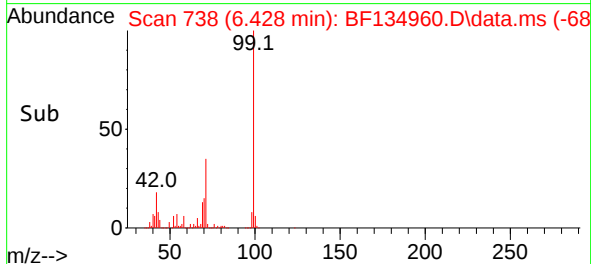
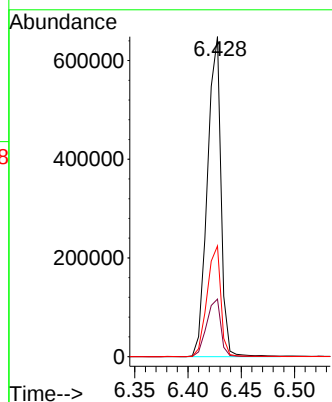
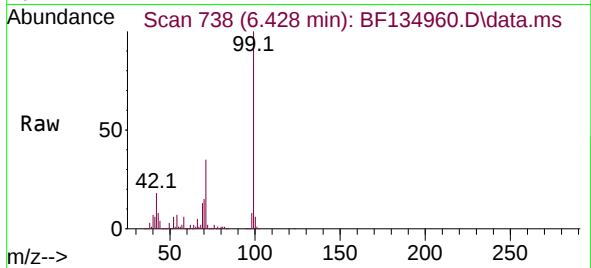




#7
Phenol-d6
Concen: 78.258 ng
RT: 6.428 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

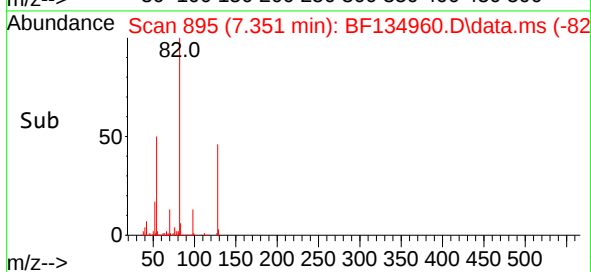
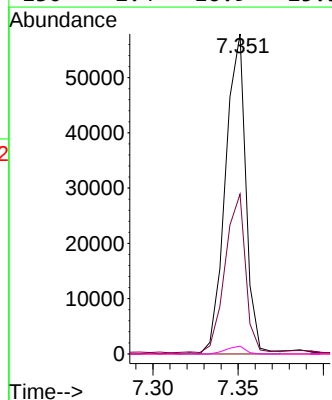
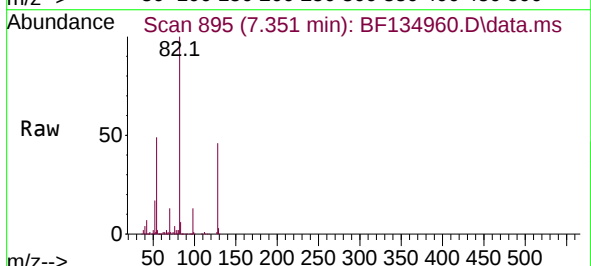
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

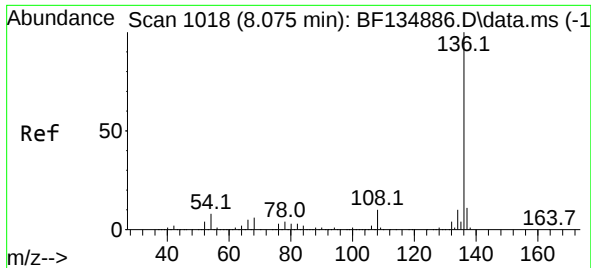
Tgt Ion: 99 Resp: 574598
Ion Ratio Lower Upper
99 100
42 18.0 14.6 22.0
71 34.6 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.236 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion: 70 Resp: 48183
Ion Ratio Lower Upper
70 100
42 49.9 46.9 70.3
101 0.0 7.5 11.3#
130 2.4 16.9 25.3#



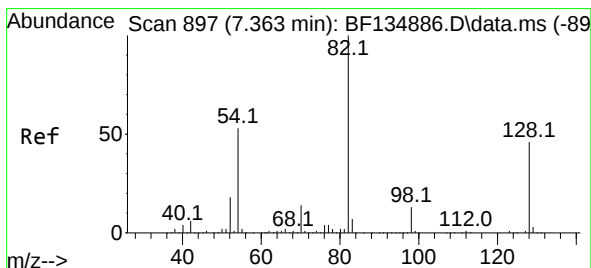
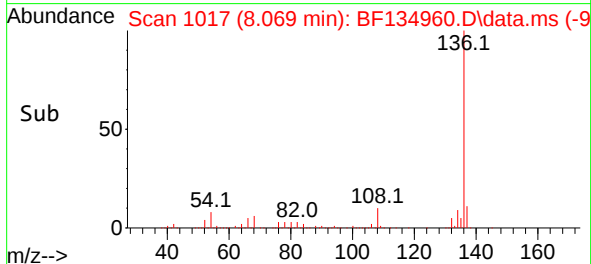
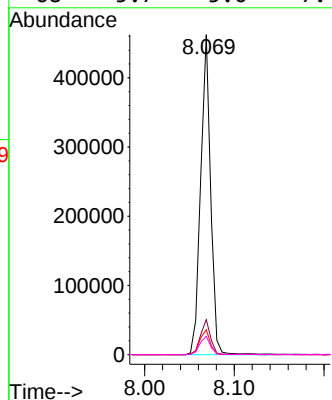
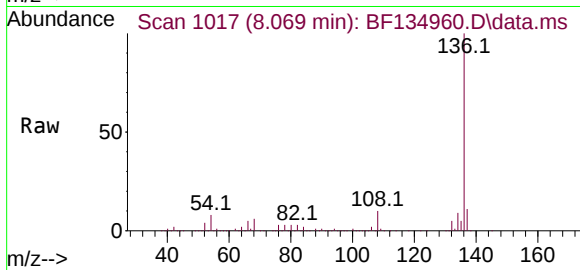


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

Tgt Ion:136 Resp: 356019

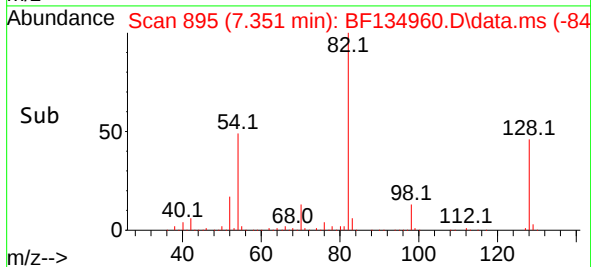
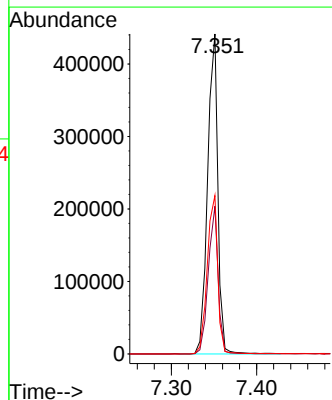
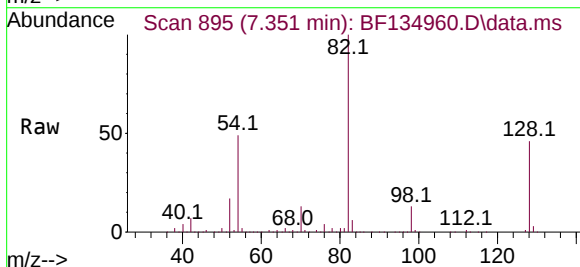
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	6.6	9.8
68	5.7	5.0	7.4

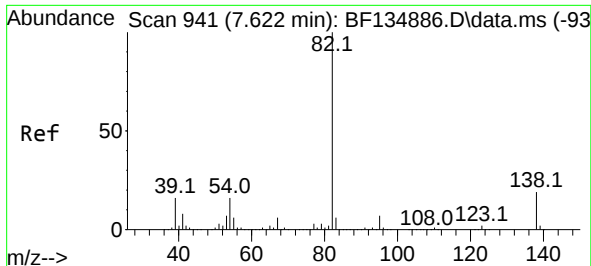


#23
Nitrobenzene-d5
Concen: 57.071 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion: 82 Resp: 368732

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.6	54.8
54	49.5	42.6	63.8

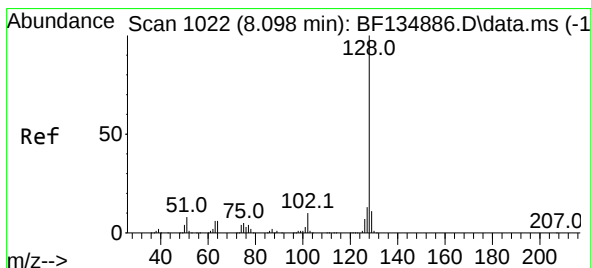
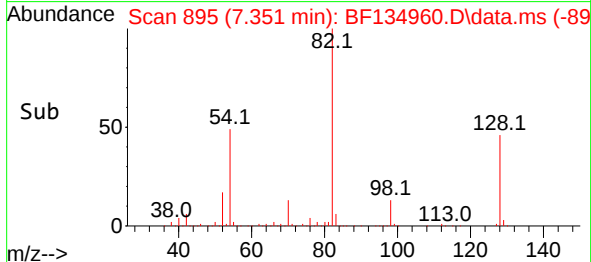
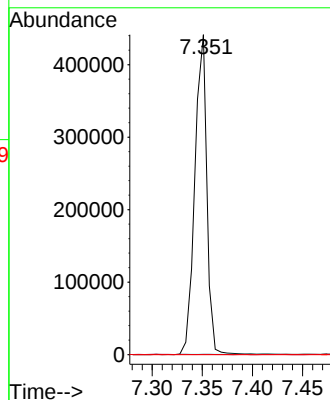
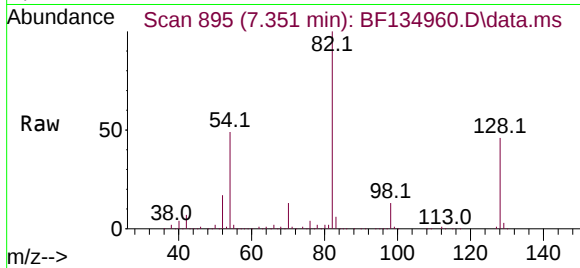




#25
Isophorone
Concen: 30.369 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

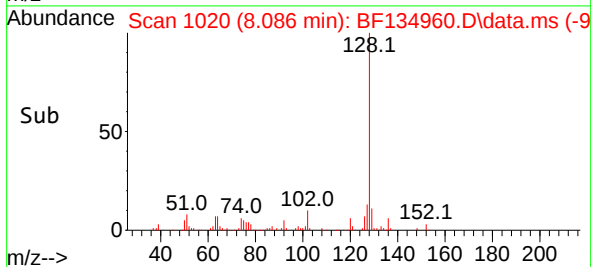
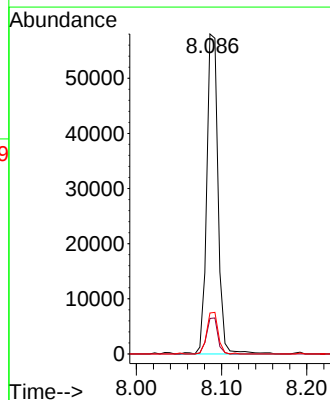
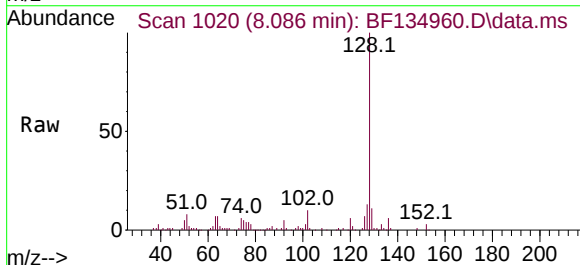
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

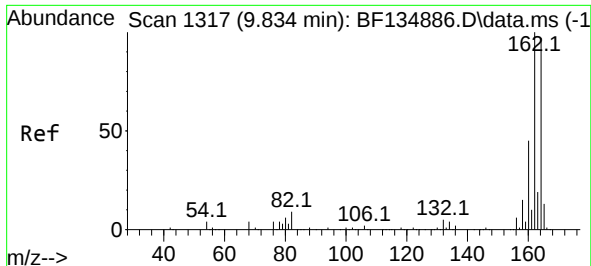
Tgt Ion: 82 Resp: 366381
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 3.004 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:128 Resp: 53406
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.8 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

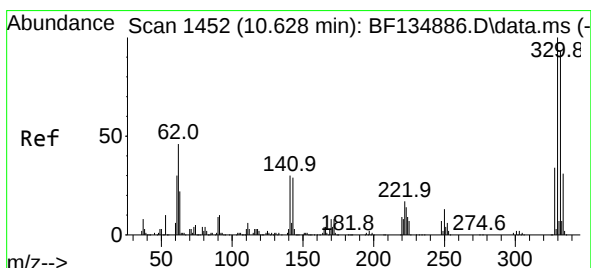
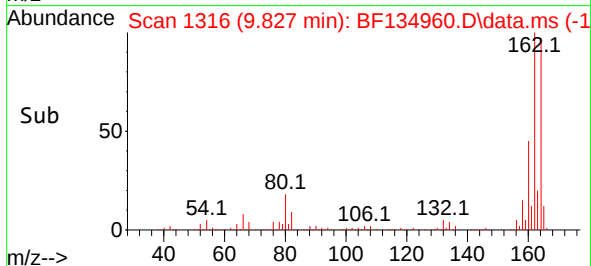
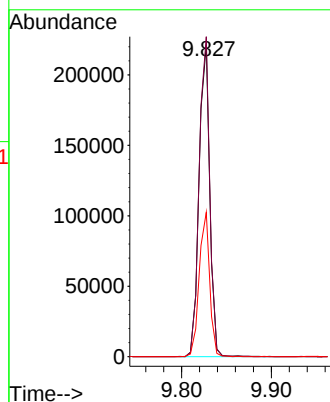
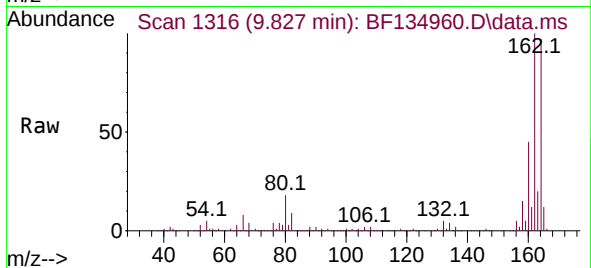
Tgt Ion:164 Resp: 182938

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

160 46.2 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 76.927 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

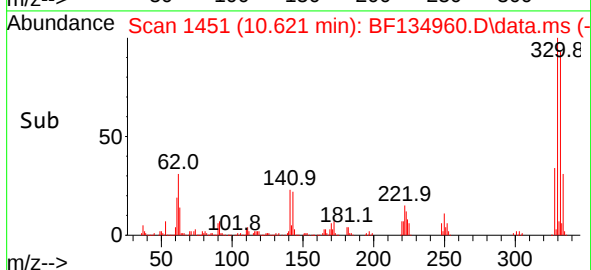
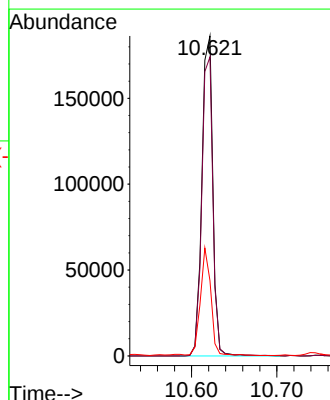
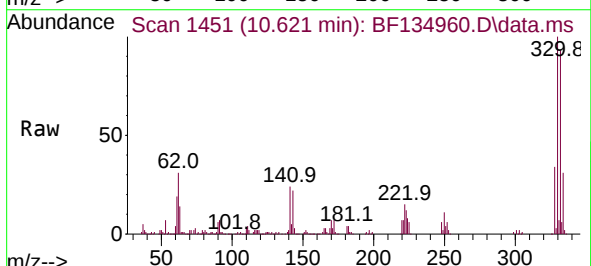
Tgt Ion:330 Resp: 165744

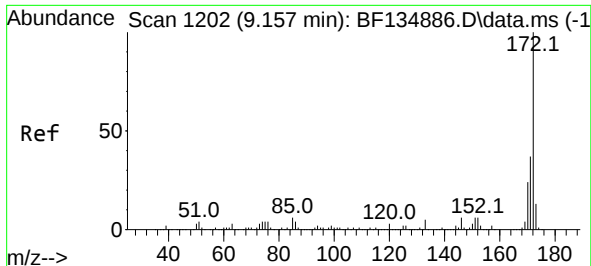
Ion Ratio Lower Upper

330 100

332 95.0 76.3 114.5

141 32.3 23.4 35.2

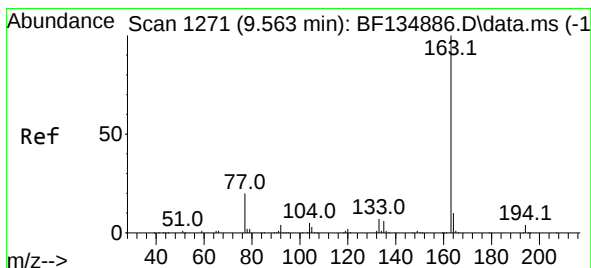
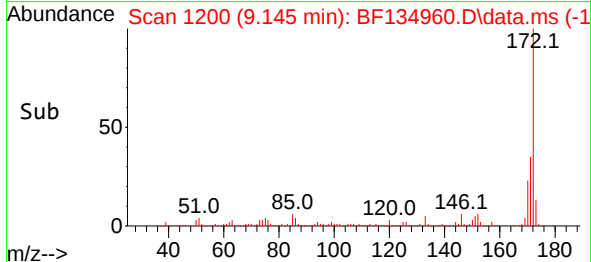
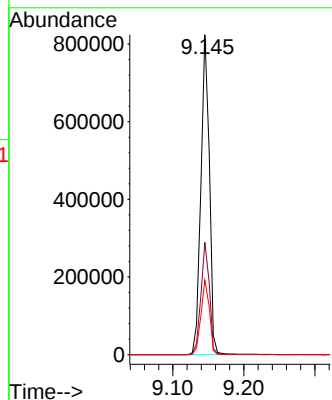
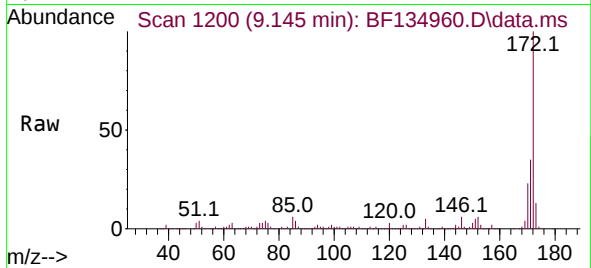




#45
2-Fluorobiphenyl
Concen: 57.161 ng
RT: 9.145 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

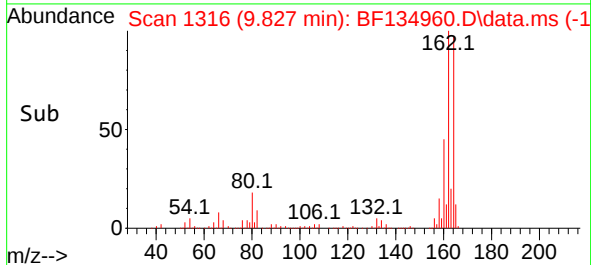
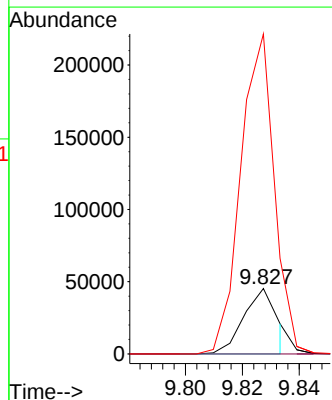
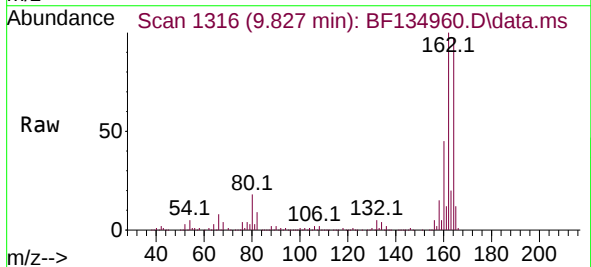
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

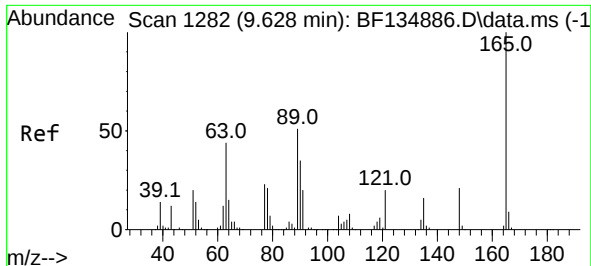
Tgt Ion:172 Resp: 676438
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 23.3 19.6 29.4



#50
Dimethylphthalate
Concen: 2.817 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.264 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:163 Resp: 36679
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 489.7 8.2 12.4#





#51

2,6-Dinitrotoluene

Concen: 8.306 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.199 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

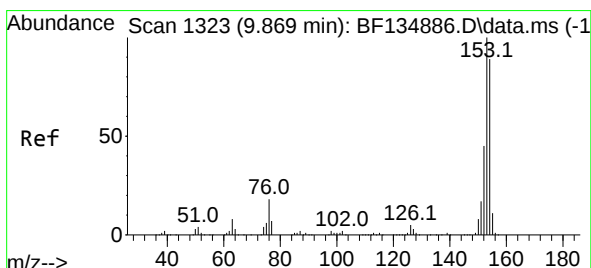
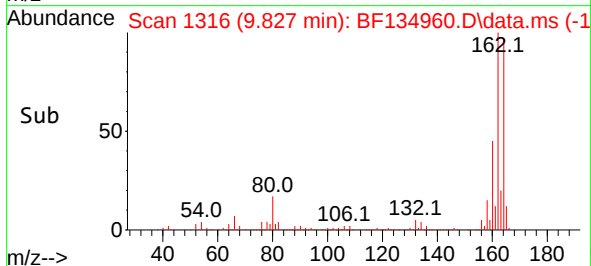
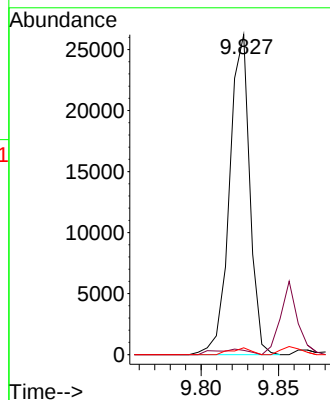
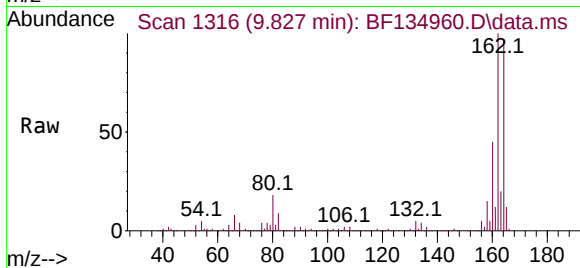
Tgt Ion:165 Resp: 23856

Ion Ratio Lower Upper

165 100

63 1.3 41.4 62.2#

89 2.1 40.9 61.3#



#52

Acenaphthene

Concen: 4.291 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

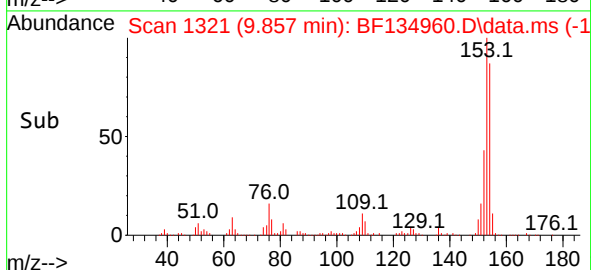
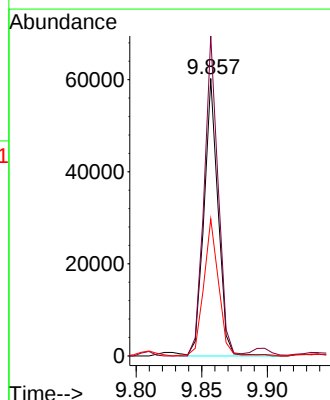
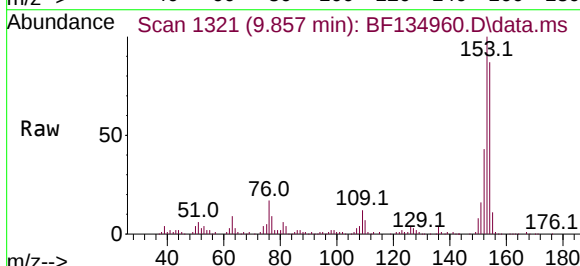
Tgt Ion:154 Resp: 44896

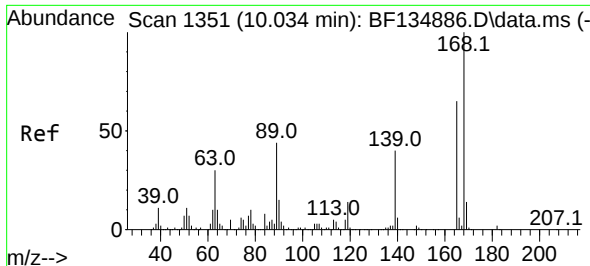
Ion Ratio Lower Upper

154 100

153 115.4 89.6 134.4

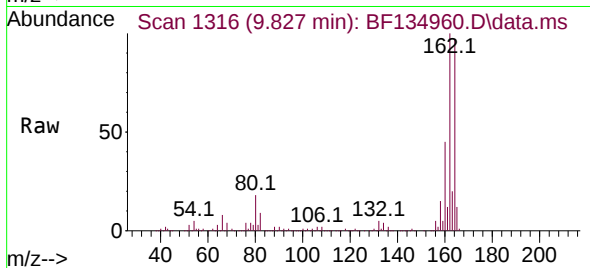
152 49.4 40.5 60.7



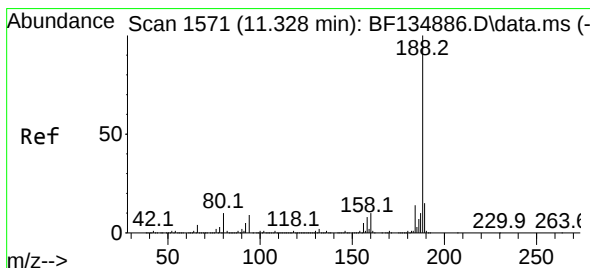
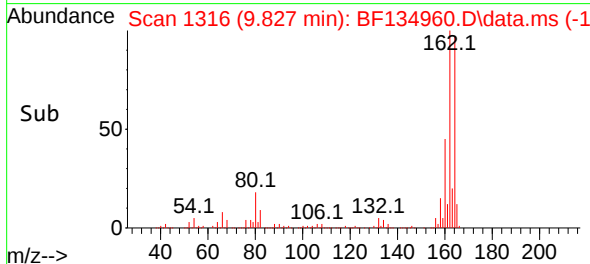
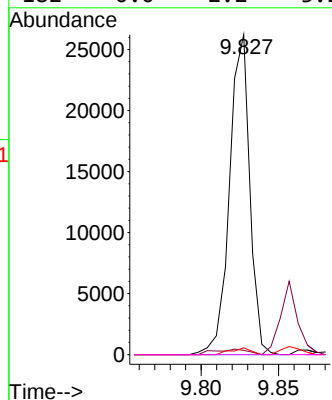


#57
2,4-Dinitrotoluene
Concen: 6.717 ng
RT: 9.827 min Scan# 1351
Delta R.T. -0.207 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

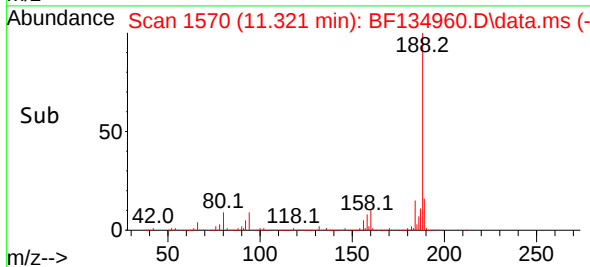
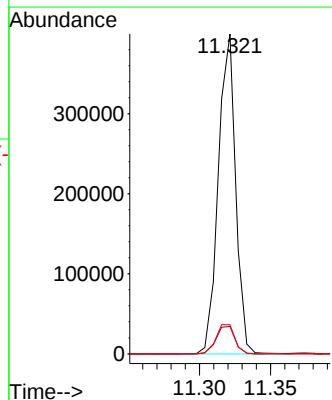
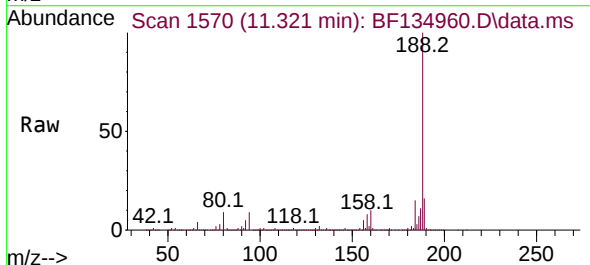


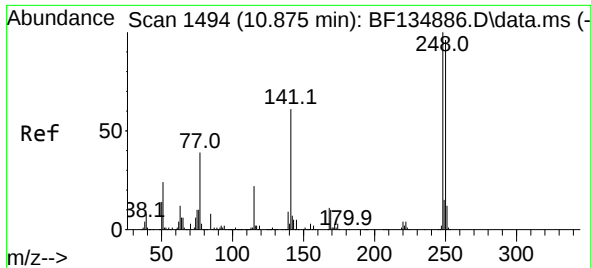
Tgt Ion:	165	Resp:	23856
Ion Ratio	Lower	Upper	
165	100		
63	1.3	37.7	56.5#
89	2.1	54.2	81.4#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:	188	Resp:	339245
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.5	11.3
80	9.1	7.8	11.6

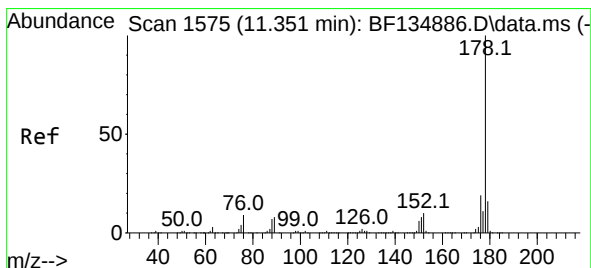
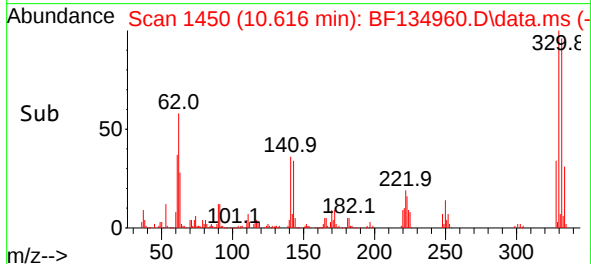
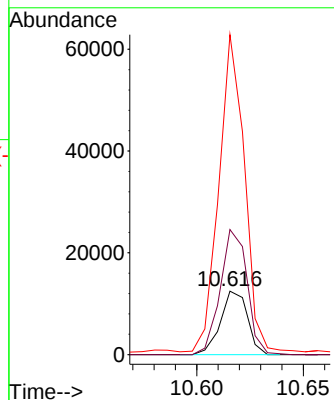
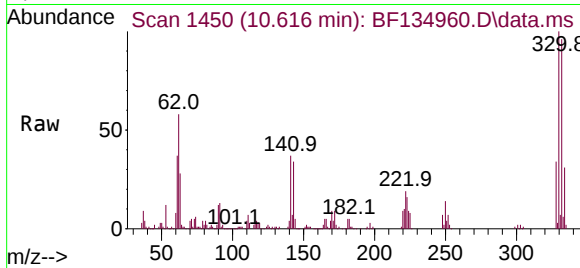




#67
4-Bromophenyl-phenylether
Concen: 2.806 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.259 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

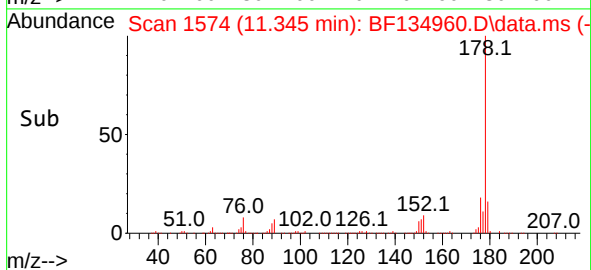
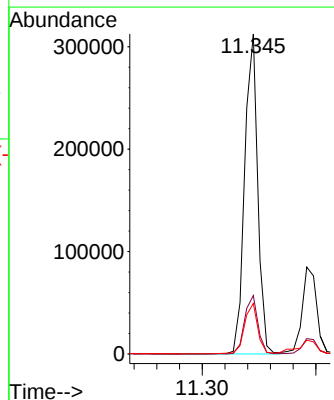
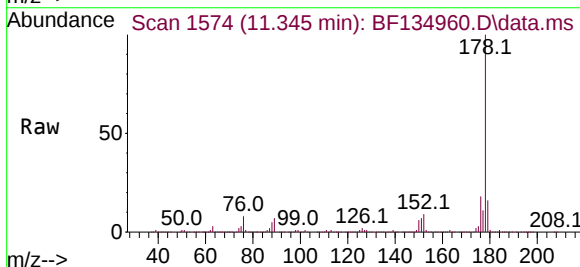
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

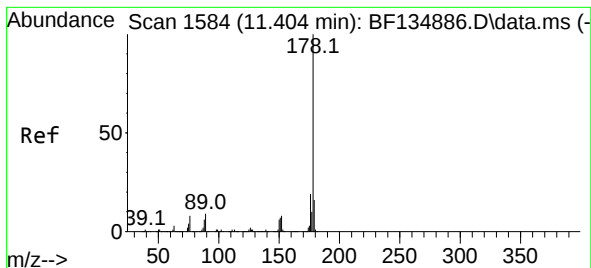
Tgt Ion:248 Resp: 10981
Ion Ratio Lower Upper
248 100
250 196.9 77.1 115.7#
141 504.1 49.0 73.4#



#71
Phenanthrene
Concen: 14.059 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:178 Resp: 249928
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.8 12.6 19.0





#72

Anthracene

Concen: 3.979 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

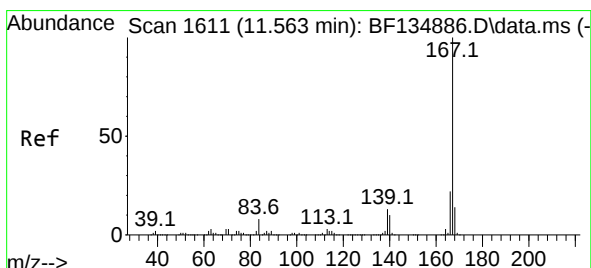
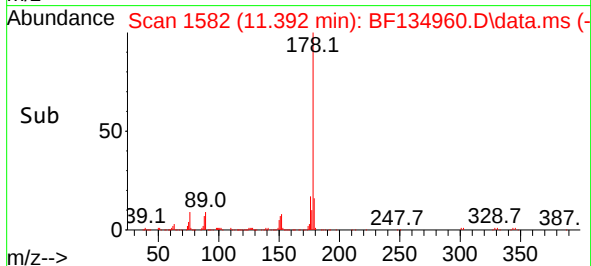
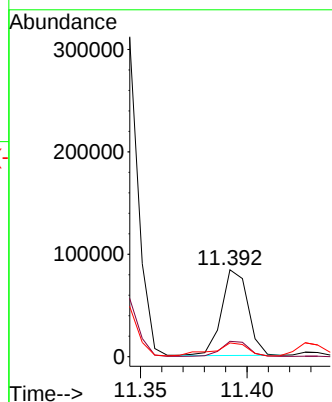
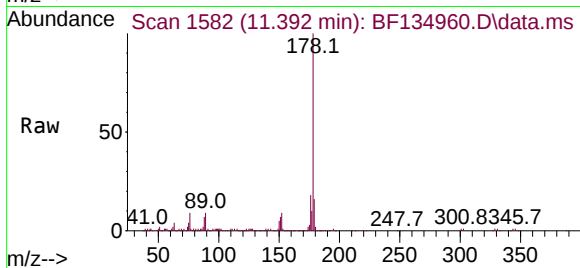
Tgt Ion:178 Resp: 72482

Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.6

179 15.7 12.5 18.7



#73

Carbazole

Concen: 2.294 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.012 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

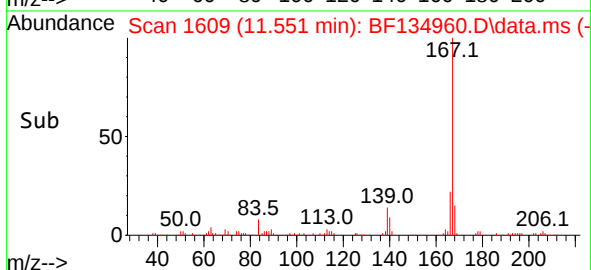
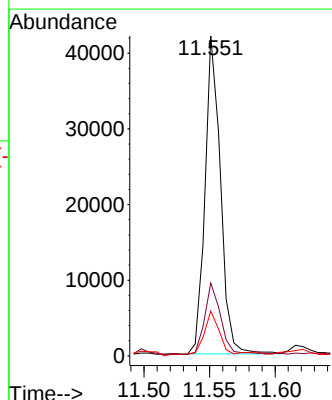
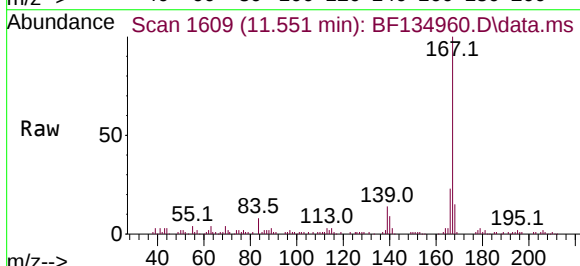
Tgt Ion:167 Resp: 34425

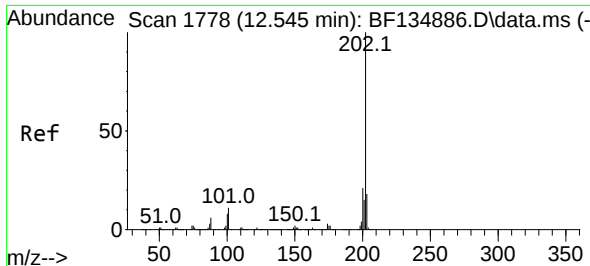
Ion Ratio Lower Upper

167 100

166 22.8 17.4 26.2

139 14.0 10.4 15.6

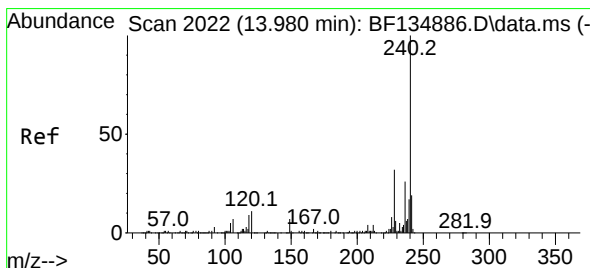
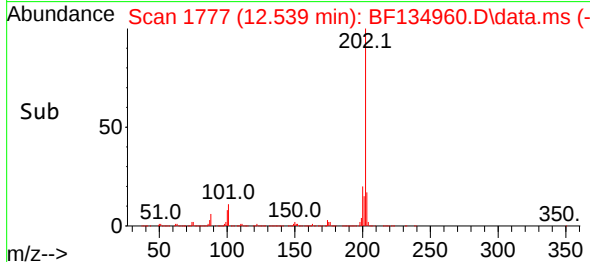
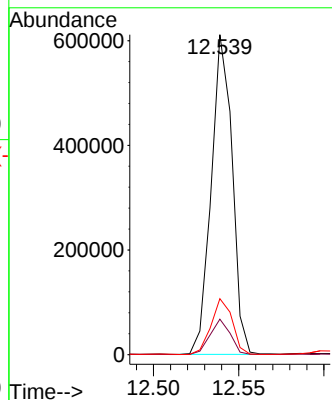
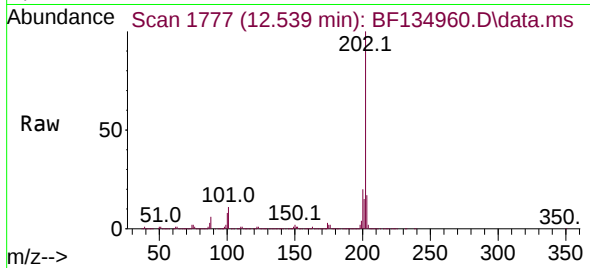




#75
Fluoranthene
Concen: 31.038 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

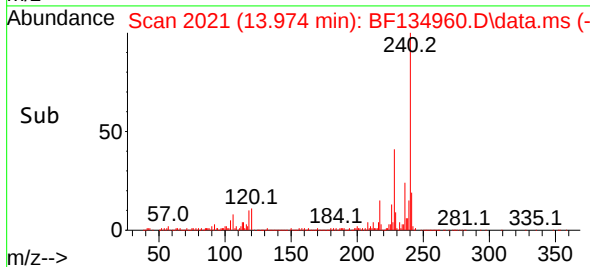
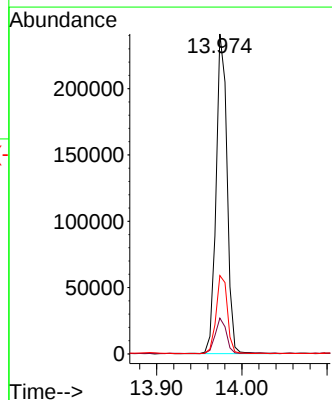
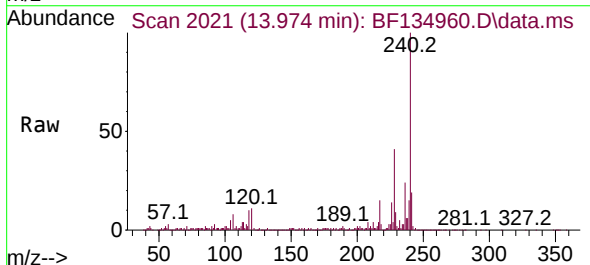
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

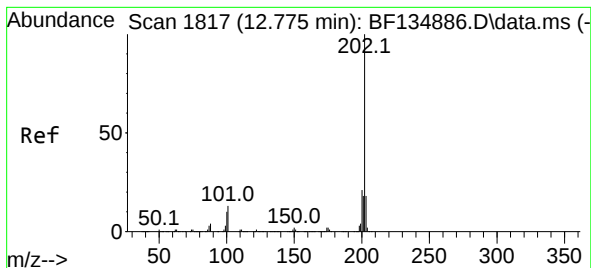
Tgt Ion:202 Resp: 522793
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:240 Resp: 214980
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 24.5 20.6 31.0





#78

Pyrene

Concen: 20.970 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

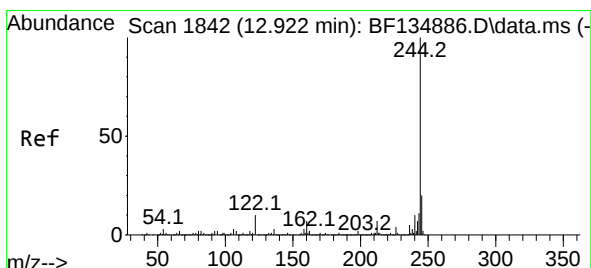
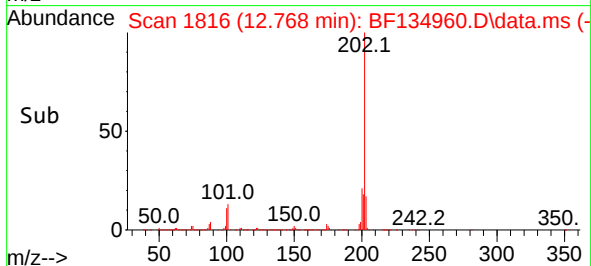
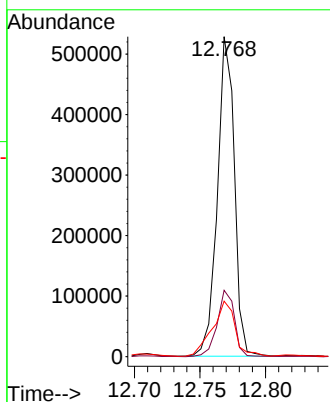
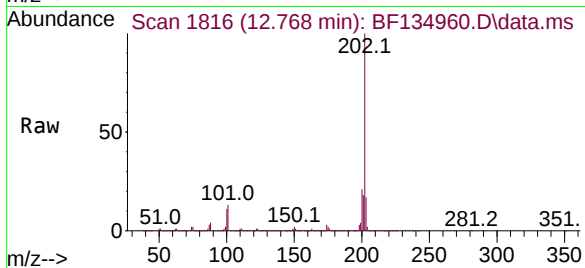
Tgt Ion:202 Resp: 477970

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 17.3 14.2 21.2



#79

Terphenyl-d14

Concen: 49.853 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.007 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

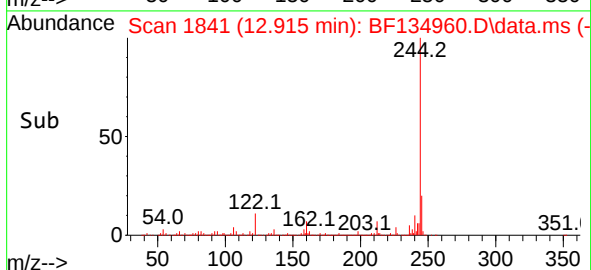
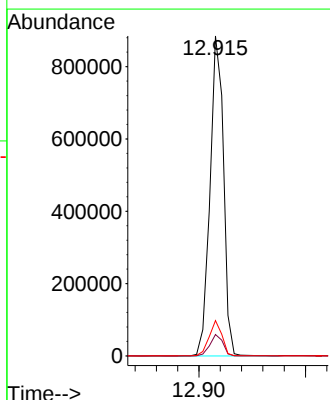
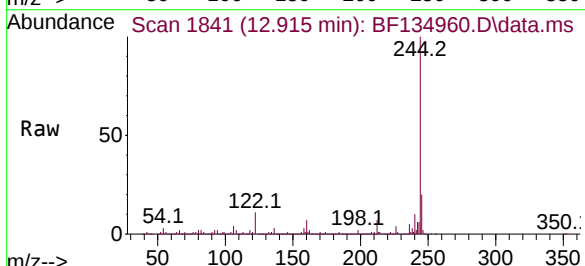
Tgt Ion:244 Resp: 779218

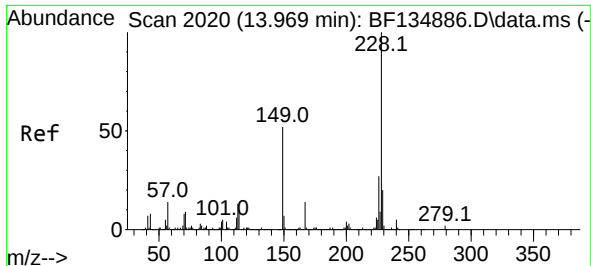
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.0 8.2 12.4

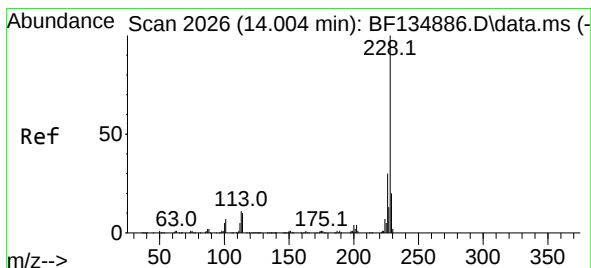
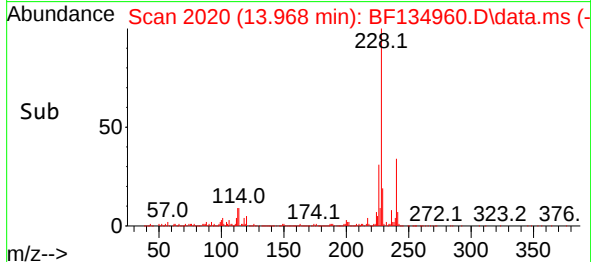
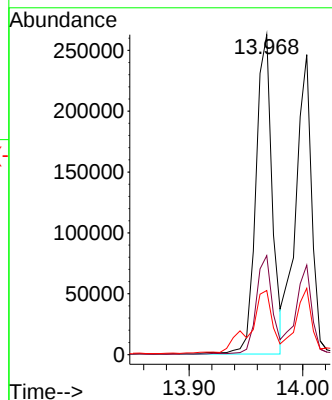
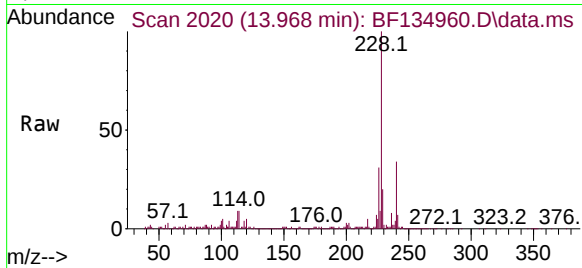




#81
Benzo(a)anthracene
Concen: 17.787 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

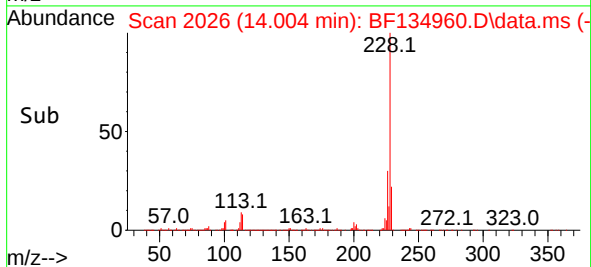
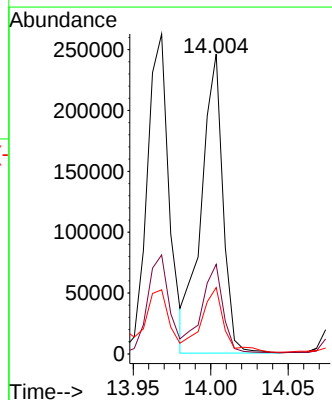
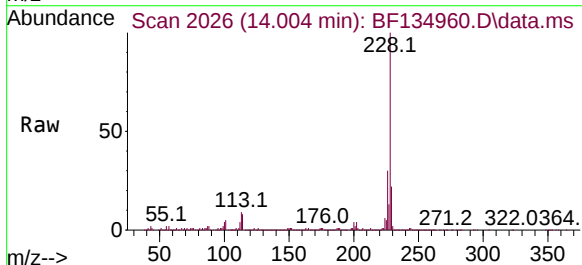
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

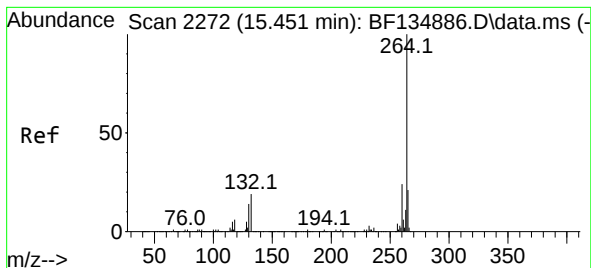
Tgt Ion:228 Resp: 260887
Ion Ratio Lower Upper
228 100
226 30.9 21.8 32.6
229 20.0 15.6 23.4



#83
Chrysene
Concen: 16.653 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:228 Resp: 241008
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 22.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

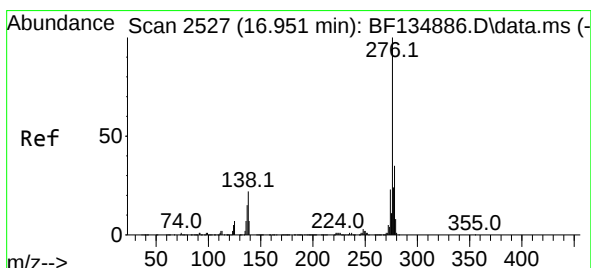
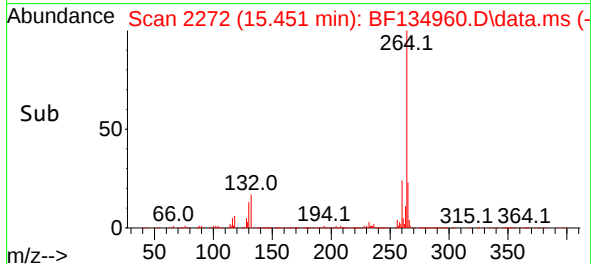
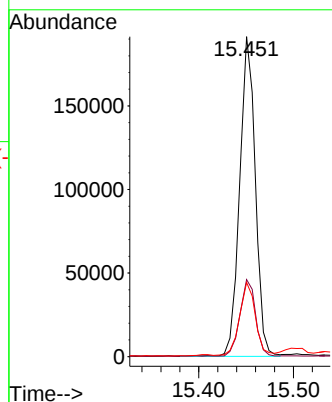
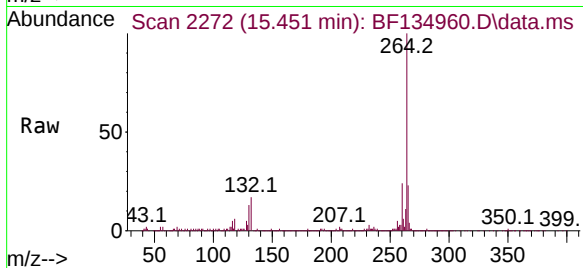
Tgt Ion:264 Resp: 219685

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 23.2 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.863 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

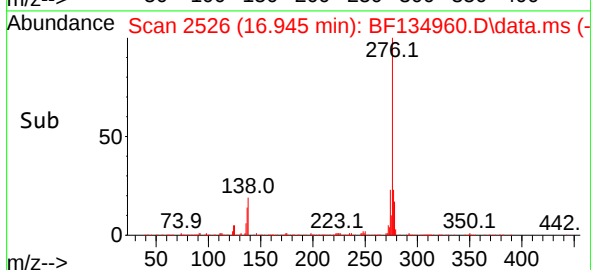
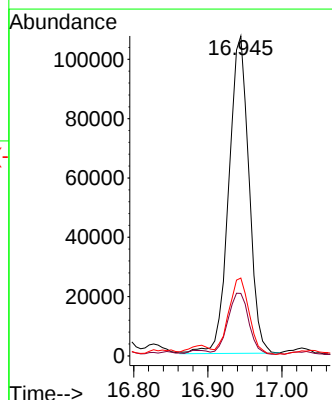
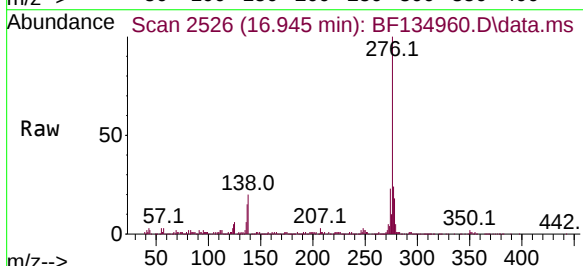
Tgt Ion:276 Resp: 201983

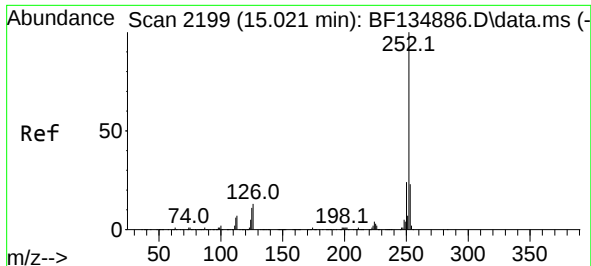
Ion Ratio Lower Upper

276 100

138 20.0 19.7 29.5

277 24.3 20.1 30.1

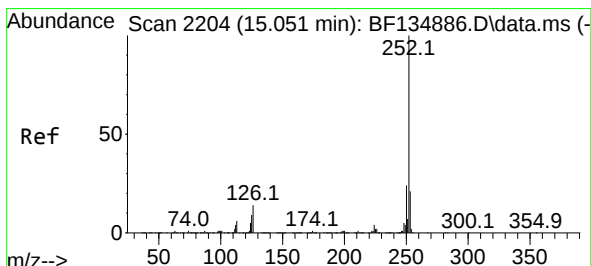
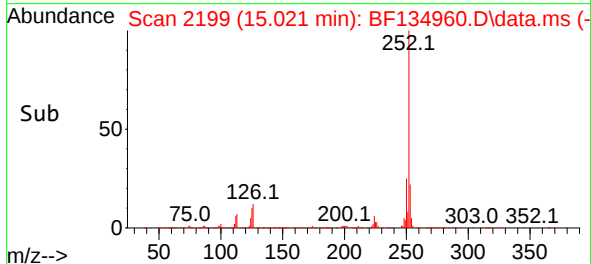
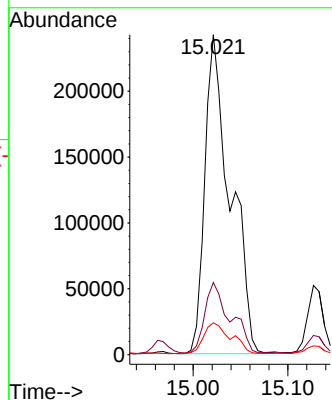
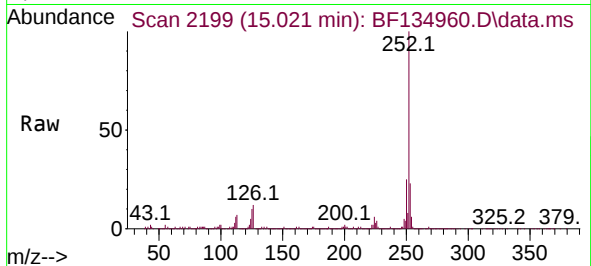




#88
Benzo(b)fluoranthene
Concen: 36.595 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

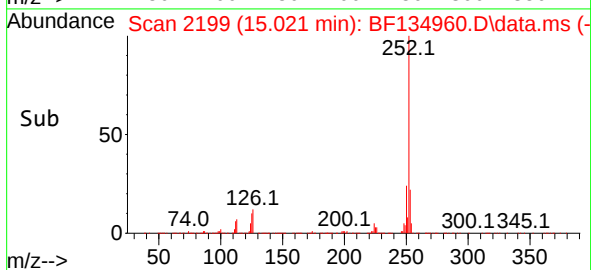
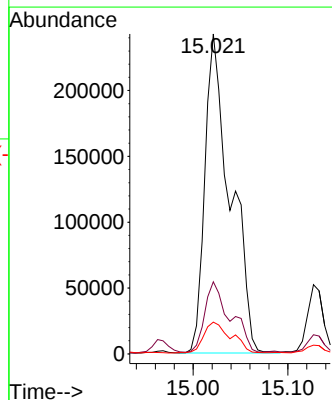
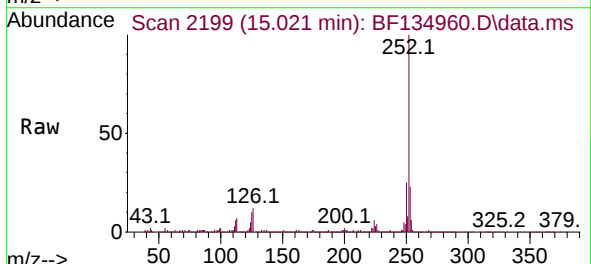
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

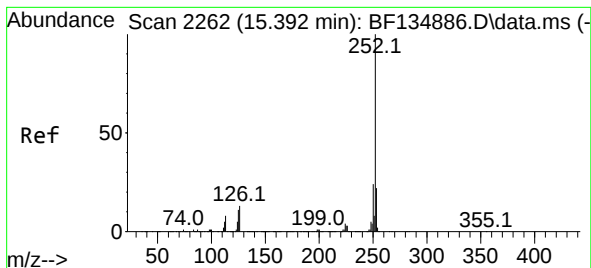
Tgt Ion:252 Resp: 453581
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 9.9 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 37.267 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.030 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:252 Resp: 453581
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 9.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 20.836 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

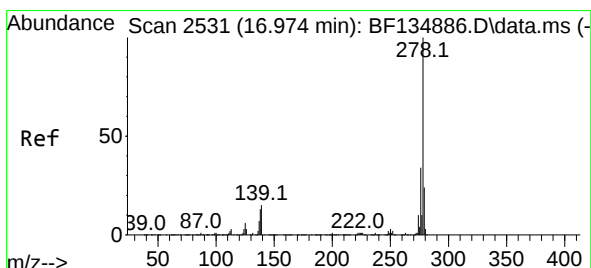
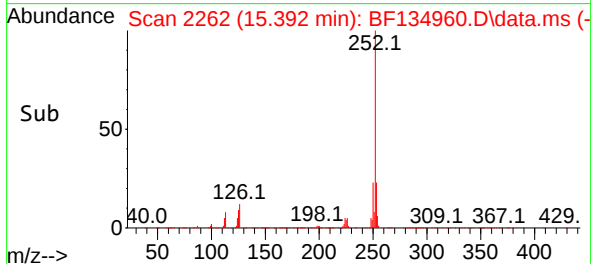
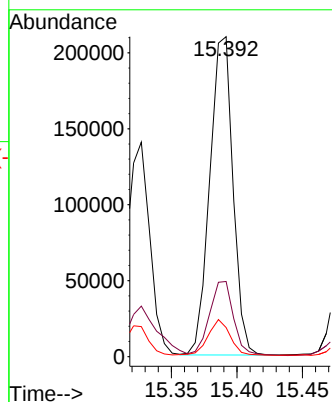
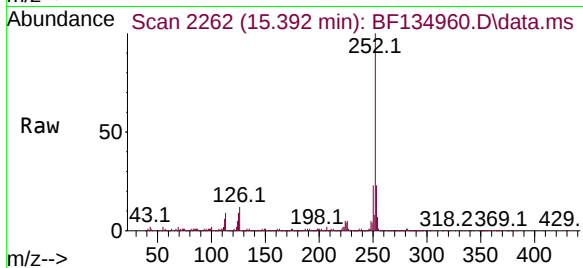
Tgt Ion:252 Resp: 257809

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 9.1 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.798 ng

RT: 17.127 min Scan# 2557

Delta R.T. 0.153 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

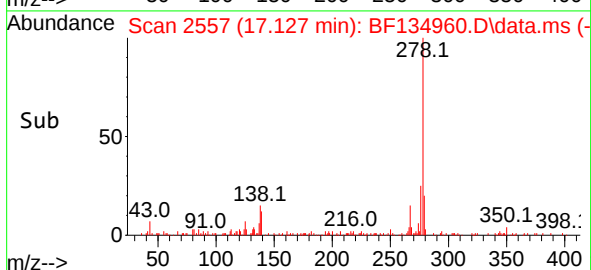
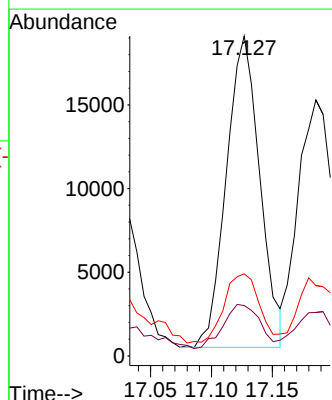
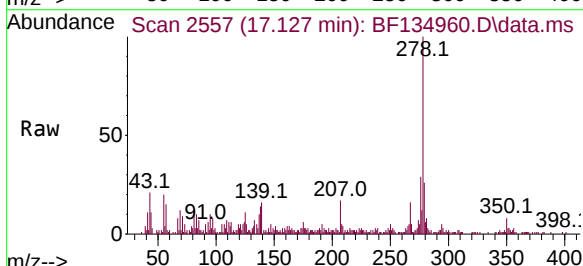
Tgt Ion:278 Resp: 35550

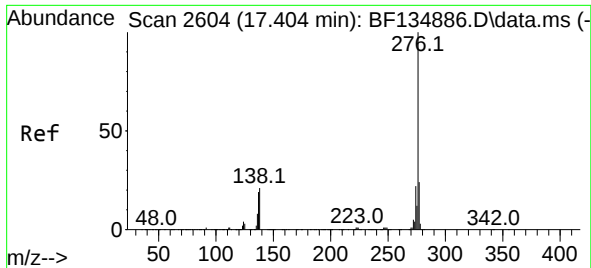
Ion Ratio Lower Upper

278 100

139 15.7 12.2 18.4

279 25.6 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 15.289 ng
 RT: 17.397 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF134960.D
 Acq: 28 Aug 2023 10:41

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-19(0-1)

Tgt Ion:	276	Resp:	198860
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.2	28.8
138	20.6	17.0	25.6

