

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134944.D
 Acq On : 25 Aug 2023 16:57
 Operator : CG\JU
 Sample : 04110-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 25 19:57:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

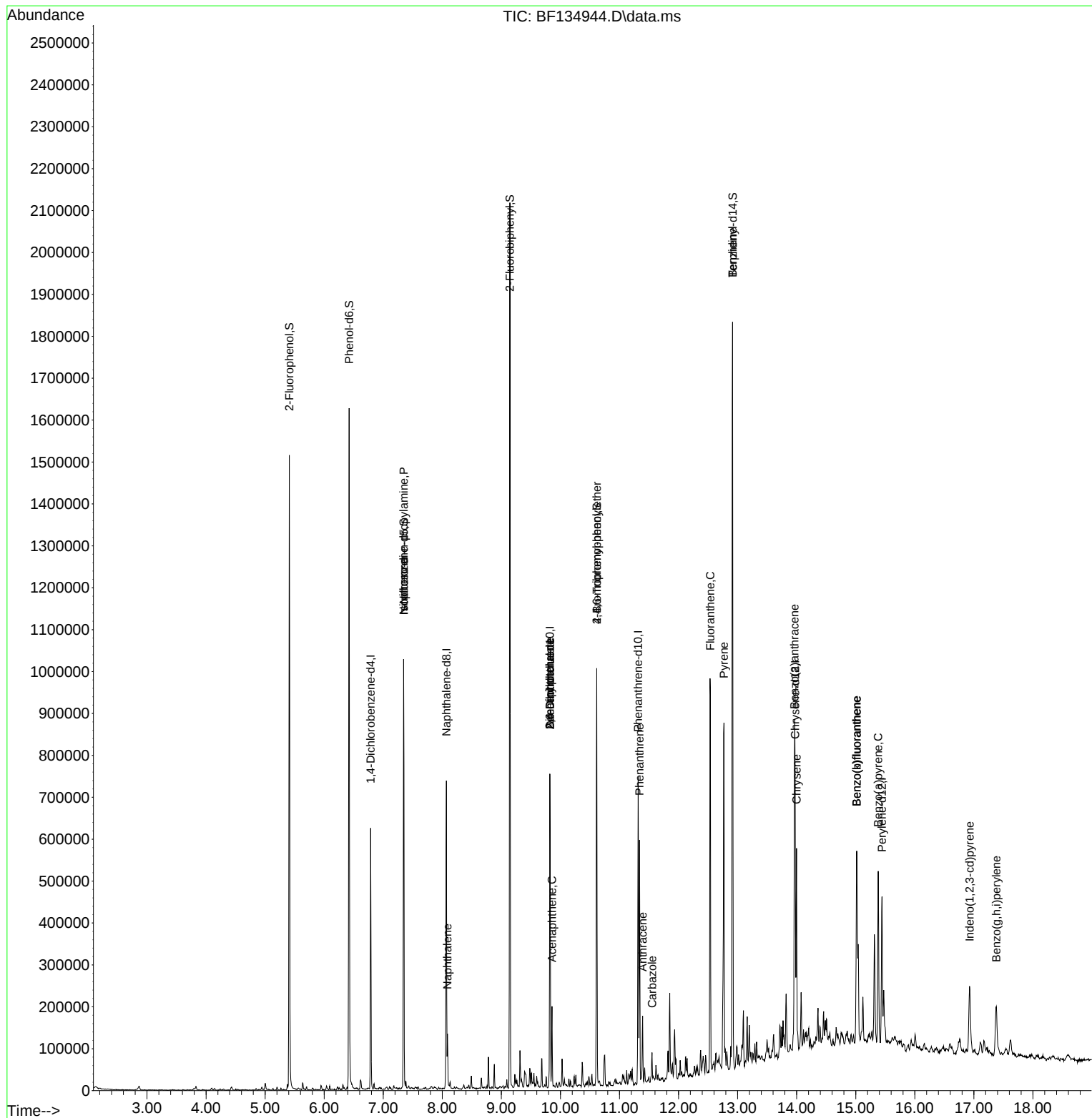
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	80155	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	299677	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	140321	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	252952	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	168520	20.000	ng	0.00
86) Perylene-d12	15.445	264	157769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	390737	77.735	ng	-0.01
7) Phenol-d6	6.422	99	491867	76.580	ng	-0.02
23) Nitrobenzene-d5	7.345	82	297538	54.710	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	109841	66.464	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	561854	61.899	ng	-0.01
79) Terphenyl-d14	12.916	244	614732	50.172	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	38451	10.250	ng	# 82
20) 3+4-Methylphenols	7.198	107	490	Below Cal		# 71
25) Isophorone	7.345	82	294544	29.004	ng	# 64
31) Naphthalene	8.086	128	44393	2.967	ng	99
50) Dimethylphthalate	9.822	163	25879	2.591	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	19162	8.698	ng	# 29
52) Acenaphthene	9.857	154	34116	4.251	ng	98
57) 2,4-Dinitrotoluene	9.822	165	19162	7.033	ng	# 25
67) 4-Bromophenyl-phenylether	10.616	248	6797	2.329	ng	# 1
71) Phenanthrene	11.339	178	184191	13.896	ng	99
72) Anthracene	11.392	178	55918	4.117	ng	98
73) Carbazole	11.551	167	24054	2.149	ng	98
75) Fluoranthene	12.539	202	391556	31.176	ng	97
77) Benzidine	12.916	184	7825	2.862	ng	# 93
78) Pyrene	12.769	202	353374	19.777	ng	100
81) Benzo(a)anthracene	13.963	228	199679	17.367	ng	95
83) Chrysene	13.998	228	174087	15.346	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	108410	9.613	ng	97
88) Benzo(b)fluoranthene	15.015	252	343799	38.624	ng	99
89) Benzo(k)fluoranthene	15.015	252	343799	39.333	ng	99
90) Benzo(a)pyrene	15.380	252	186935	21.037	ng	99
92) Benzo(g,h,i)perylene	17.380	276	104175	11.153	ng	99

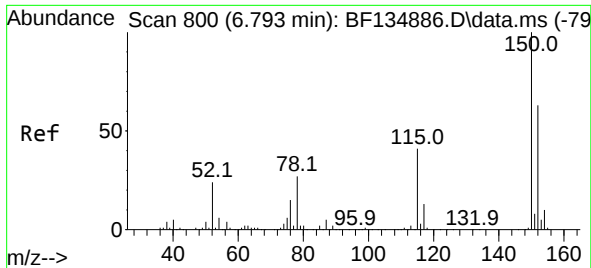
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
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SS-TP-19(0-1)

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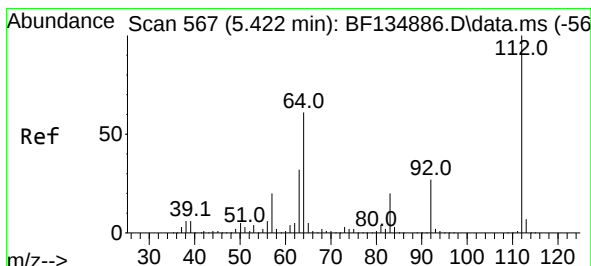
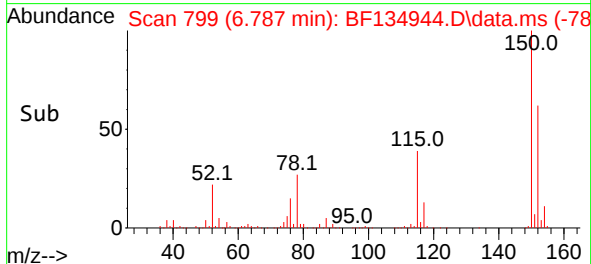
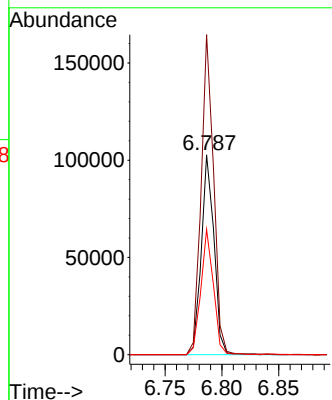
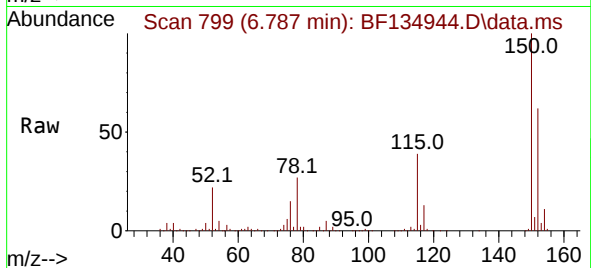




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

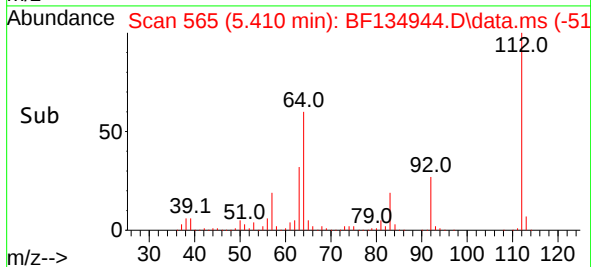
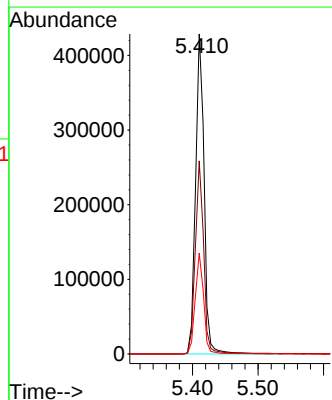
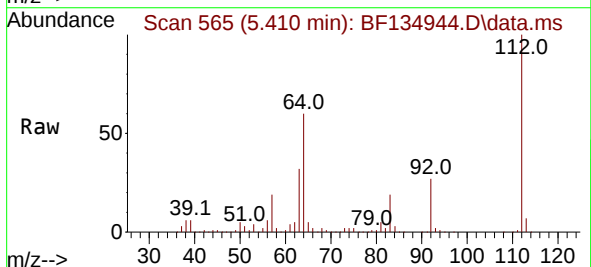
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

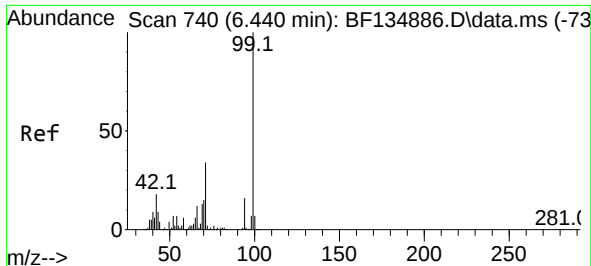
Tgt Ion:152 Resp: 80155
Ion Ratio Lower Upper
152 100
150 160.2 126.1 189.1
115 62.7 51.1 76.7



#5
2-Fluorophenol
Concen: 77.735 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:112 Resp: 390737
Ion Ratio Lower Upper
112 100
64 60.4 48.6 73.0
63 31.6 25.7 38.5

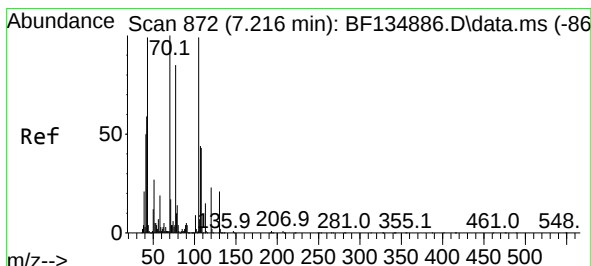
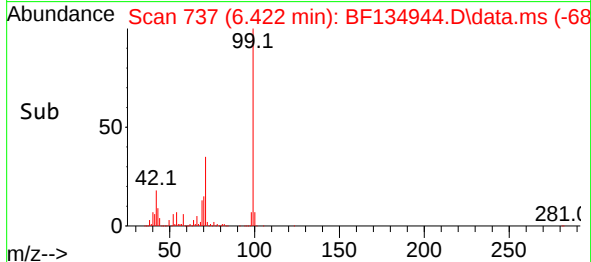
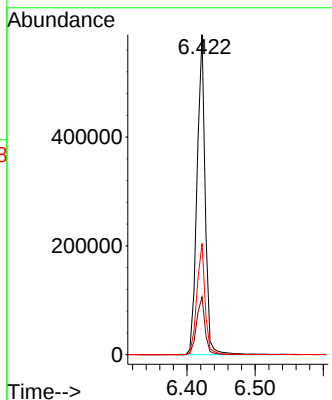
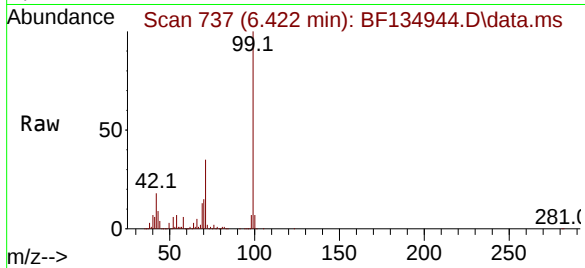




#7
Phenol-d6
Concen: 76.580 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

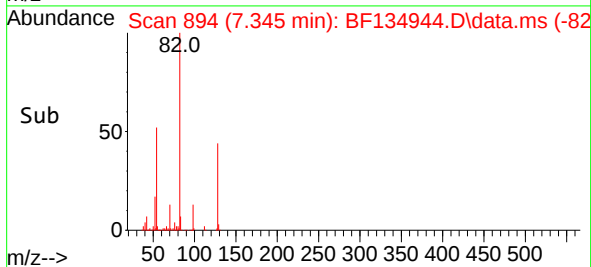
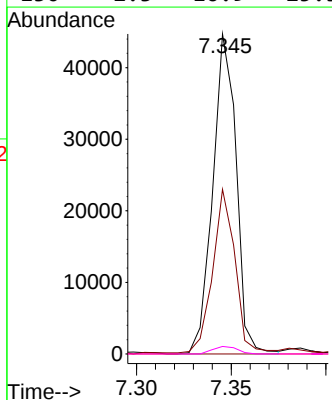
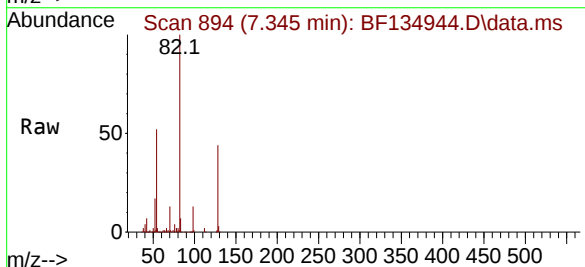
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

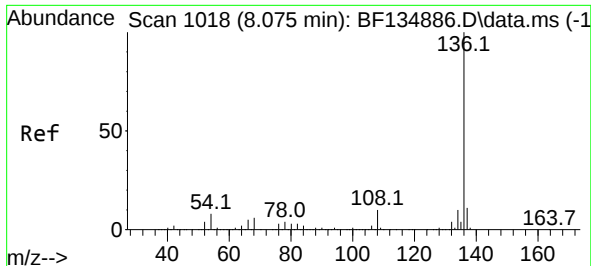
Tgt Ion: 99 Resp: 491867
Ion Ratio Lower Upper
99 100
42 18.0 14.6 22.0
71 34.8 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.250 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion: 70 Resp: 38451
Ion Ratio Lower Upper
70 100
42 51.4 46.9 70.3
101 0.0 7.5 11.3#
130 2.3 16.9 25.3#



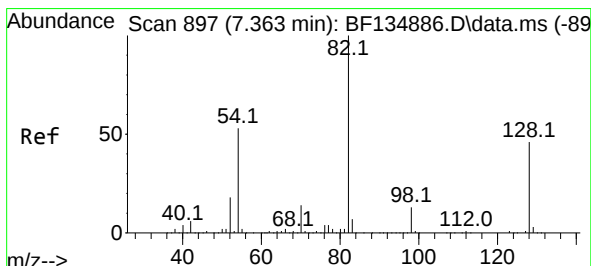
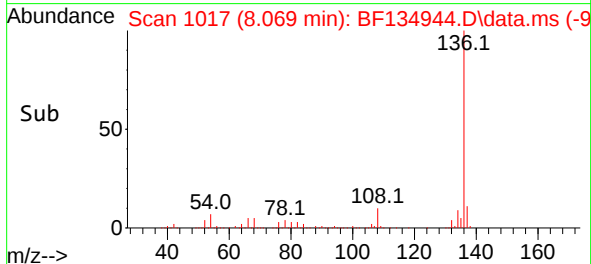
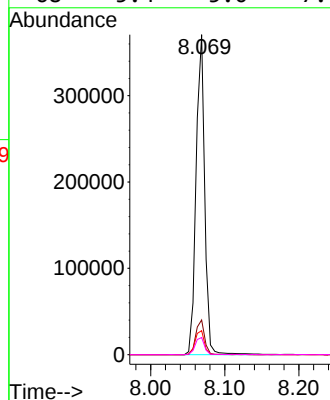
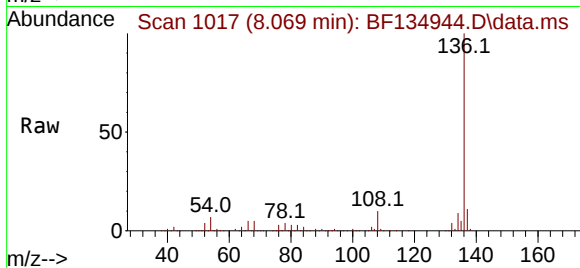


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

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

Tgt Ion:136 Resp: 299677

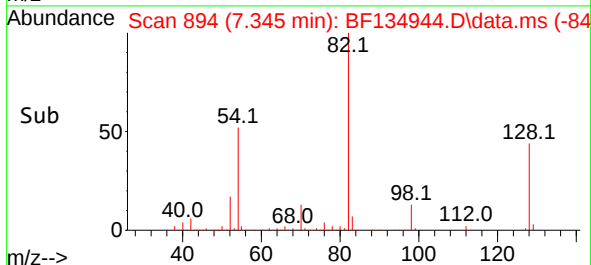
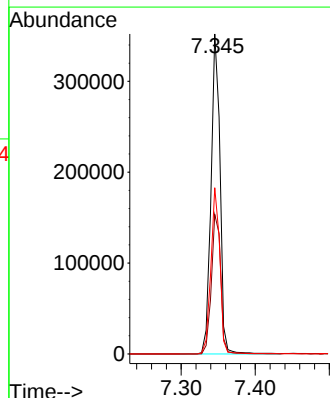
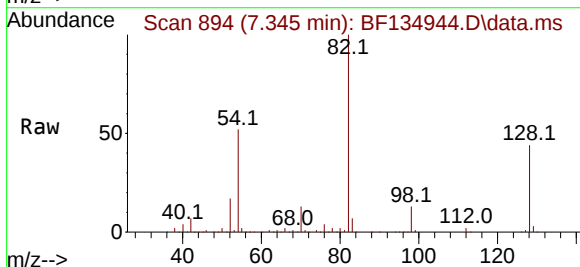
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.5	6.6	9.8
68	5.4	5.0	7.4

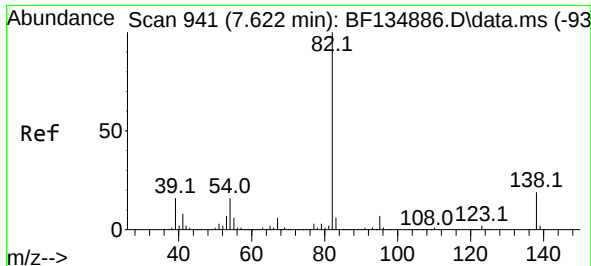


#23
Nitrobenzene-d5
Concen: 54.710 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion: 82 Resp: 297538

Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.6	54.8
54	51.9	42.6	63.8

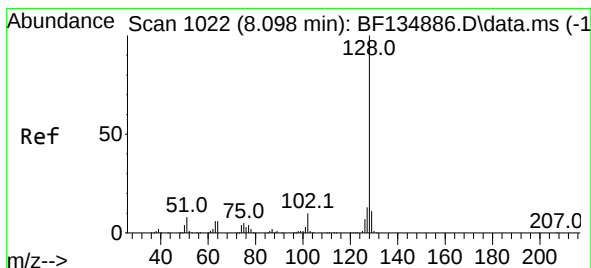
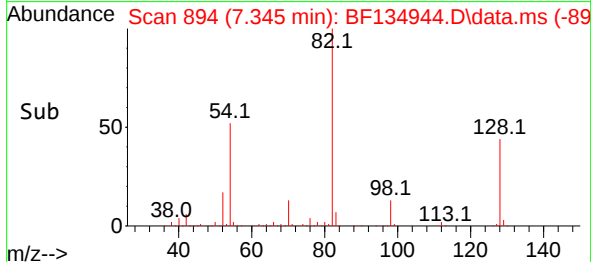
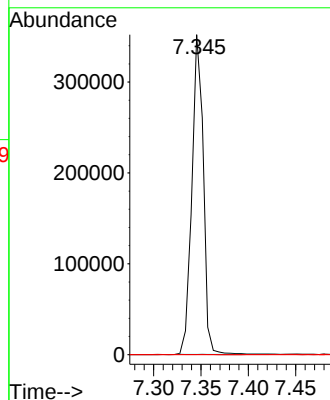
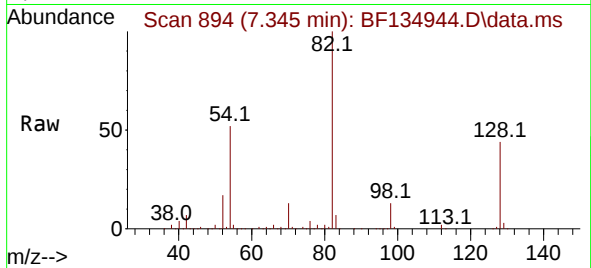




#25
Isophorone
Concen: 29.004 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.277 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

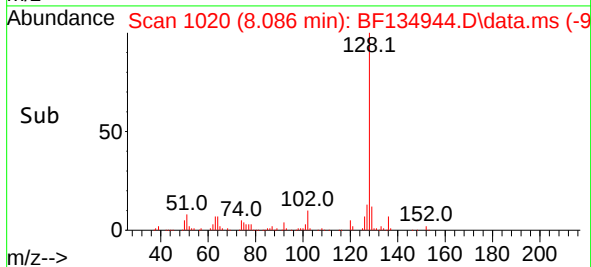
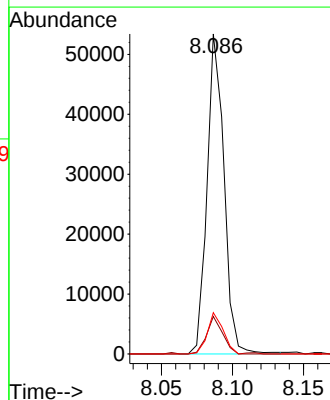
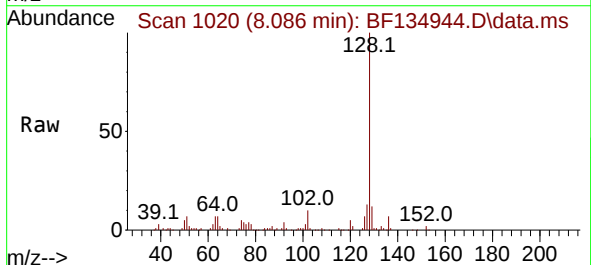
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

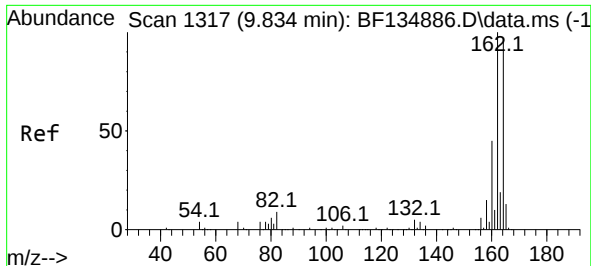
Tgt Ion: 82 Resp: 294544
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 2.967 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion: 128 Resp: 44393
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 12.9 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

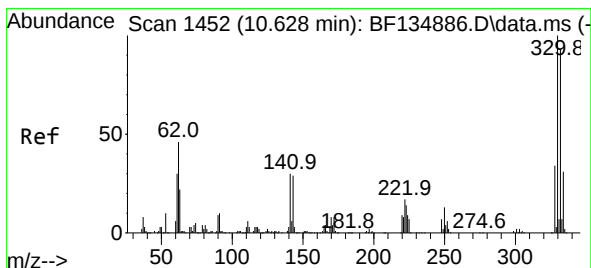
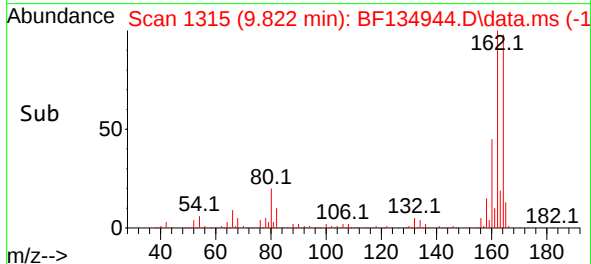
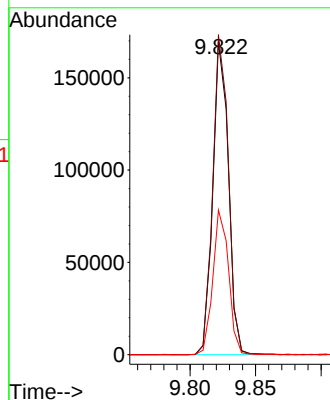
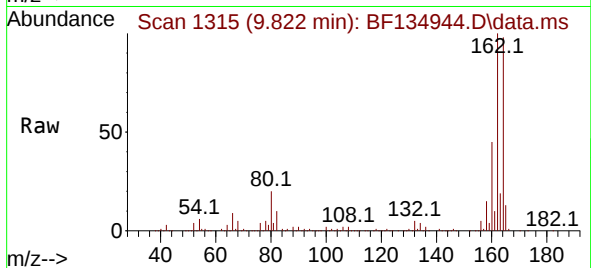
Tgt Ion:164 Resp: 140321

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

160 46.2 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 66.464 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

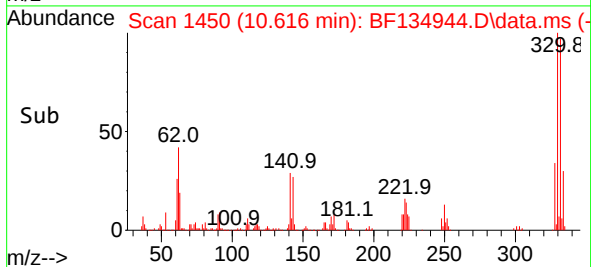
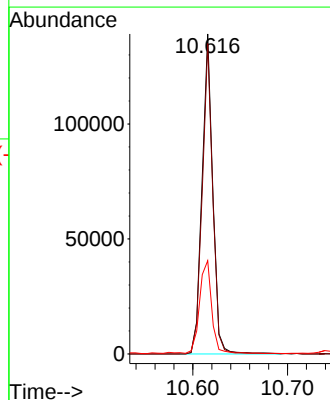
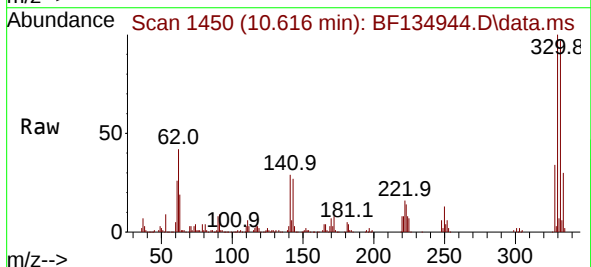
Tgt Ion:330 Resp: 109841

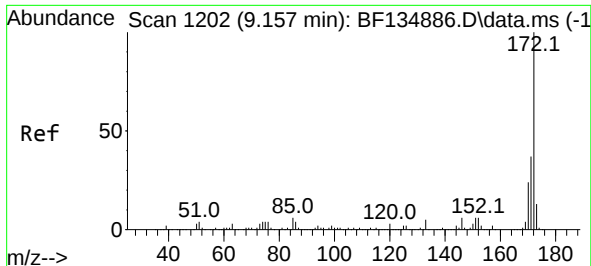
Ion Ratio Lower Upper

330 100

332 95.9 76.3 114.5

141 33.0 23.4 35.2

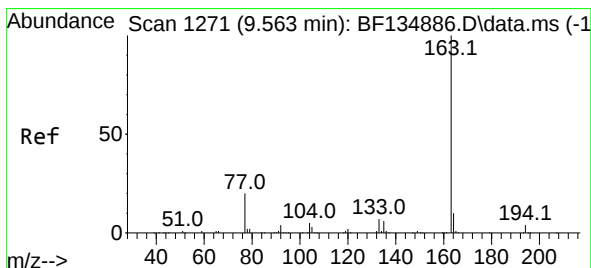
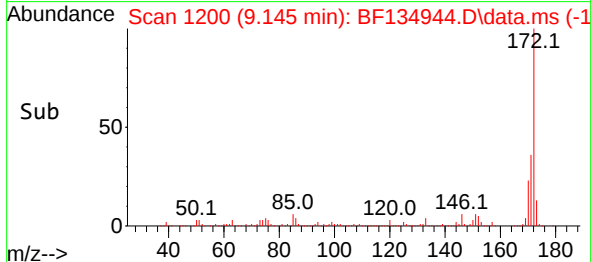
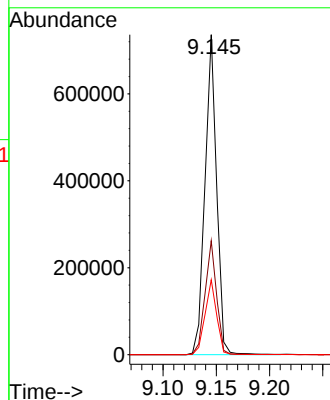
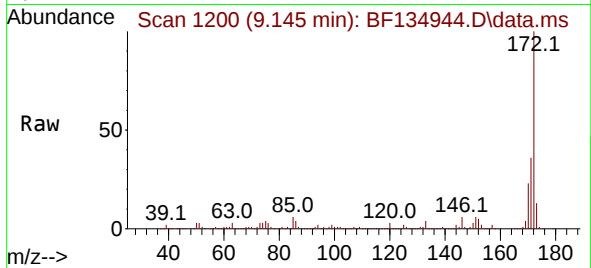




#45
2-Fluorobiphenyl
Concen: 61.899 ng
RT: 9.145 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

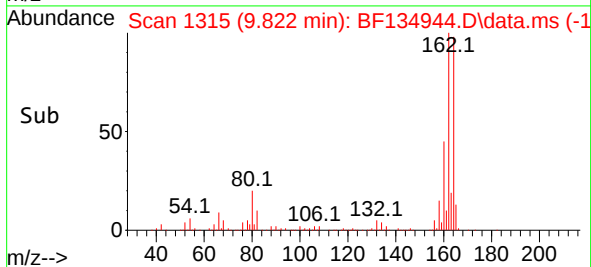
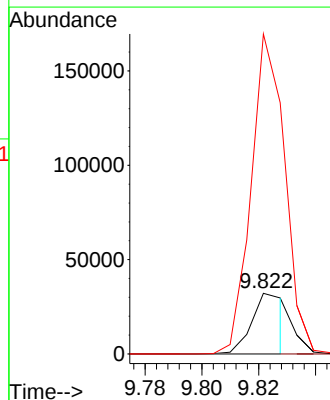
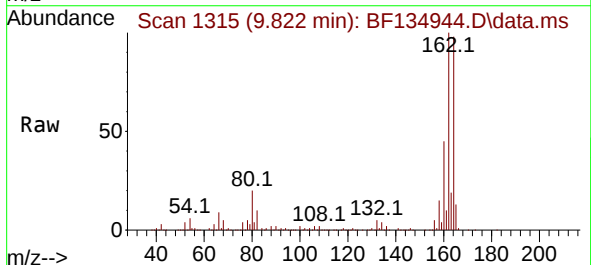
Instrument :
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SS-TP-19(0-1)

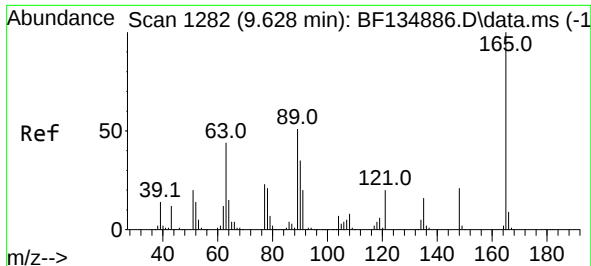
Tgt Ion:172 Resp: 561854
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.4 19.6 29.4



#50
Dimethylphthalate
Concen: 2.591 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:163 Resp: 25879
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 527.1 8.2 12.4#





#51

2,6-Dinitrotoluene

Concen: 8.698 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

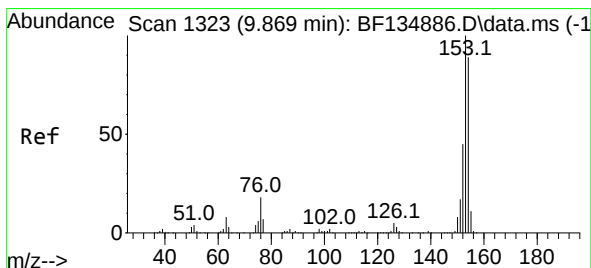
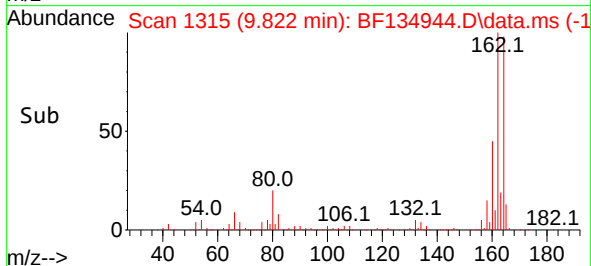
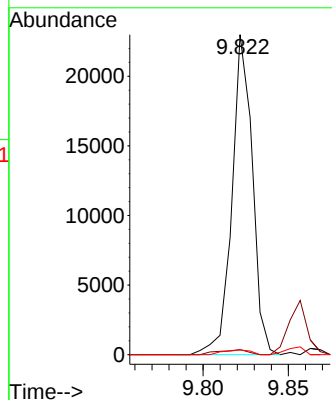
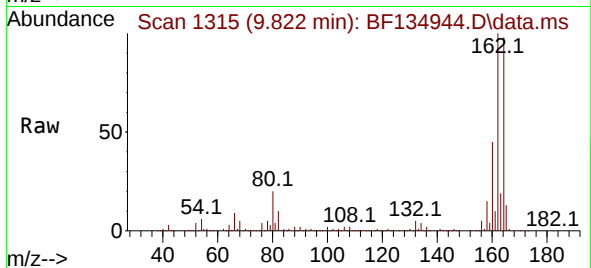
Tgt Ion:165 Resp: 19162

Ion Ratio Lower Upper

165 100

63 1.6 41.4 62.2#

89 1.5 40.9 61.3#



#52

Acenaphthene

Concen: 4.251 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

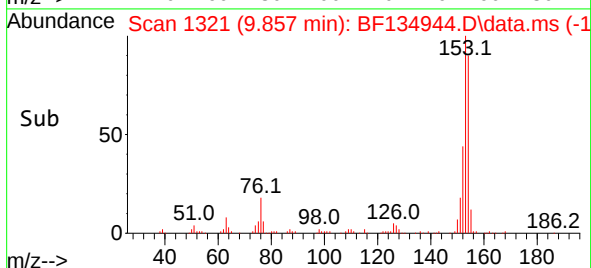
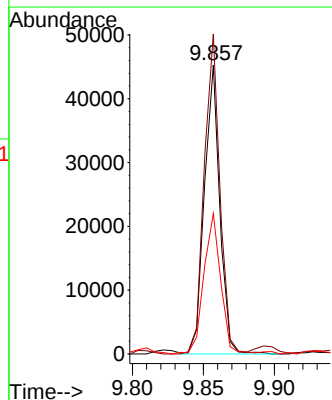
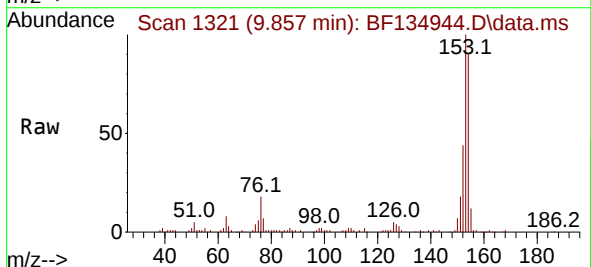
Tgt Ion:154 Resp: 34116

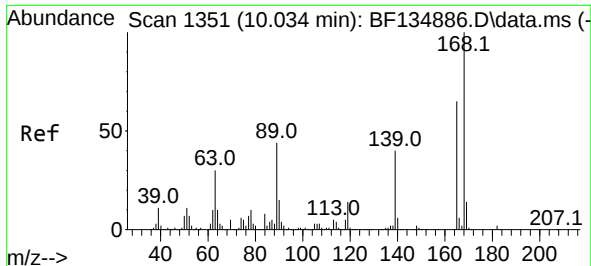
Ion Ratio Lower Upper

154 100

153 110.7 89.6 134.4

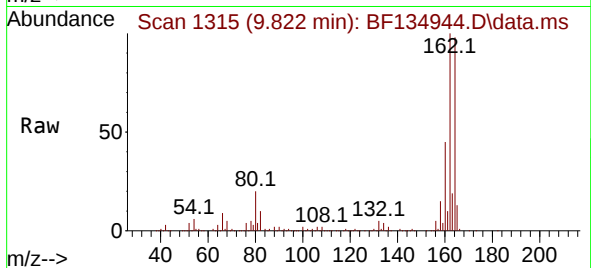
152 48.6 40.5 60.7



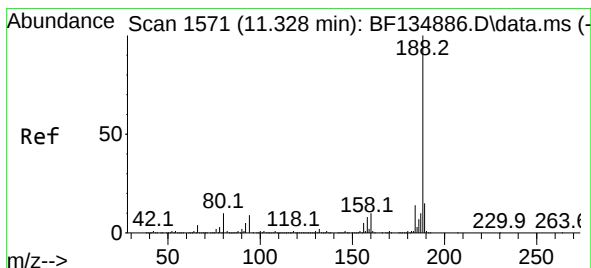
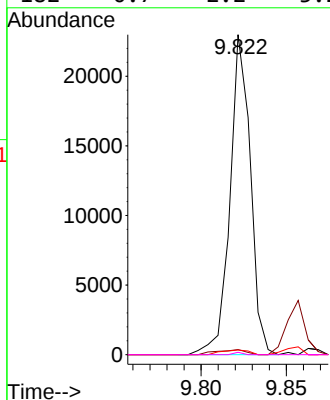
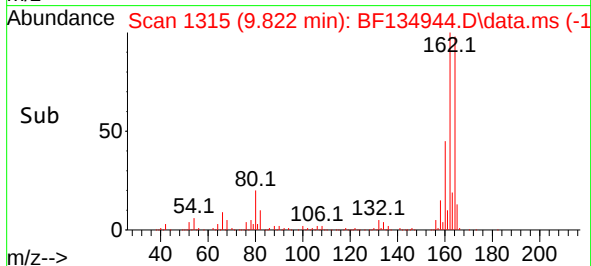


#57
2,4-Dinitrotoluene
Concen: 7.033 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

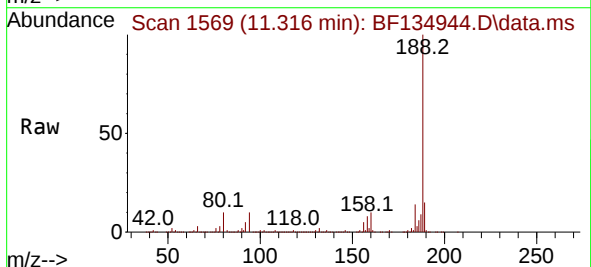
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)



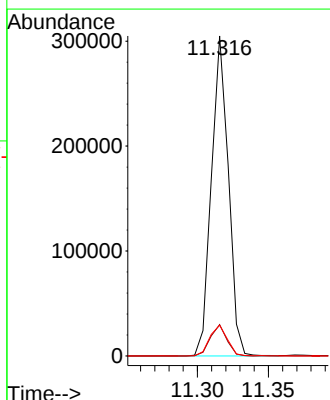
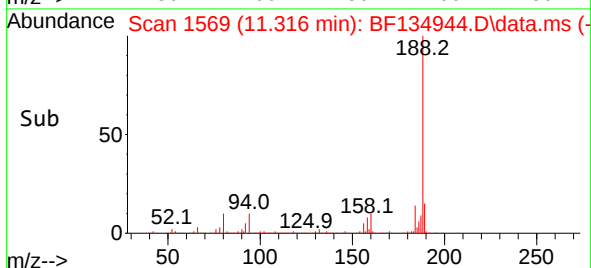
Tgt Ion:165 Resp: 19162
Ion Ratio Lower Upper
165 100
63 1.6 37.7 56.5#
89 1.5 54.2 81.4#
182 0.7 2.2 3.2#

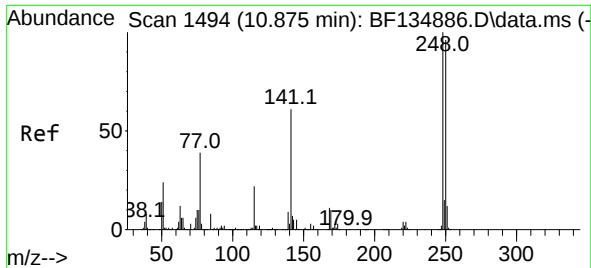


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57



Tgt Ion:188 Resp: 252952
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 9.6 7.8 11.6

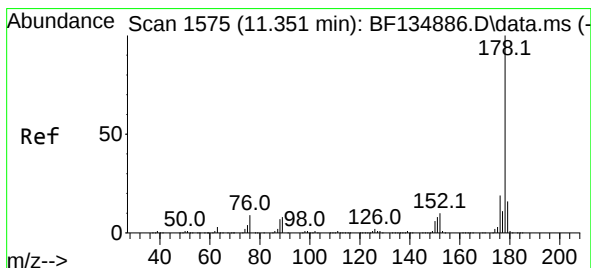
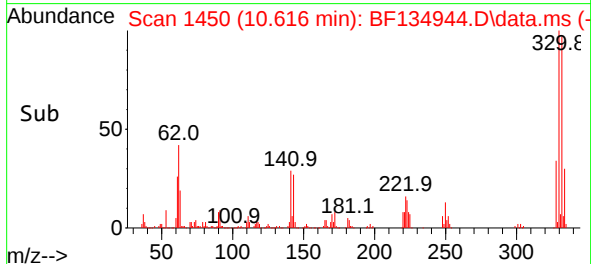
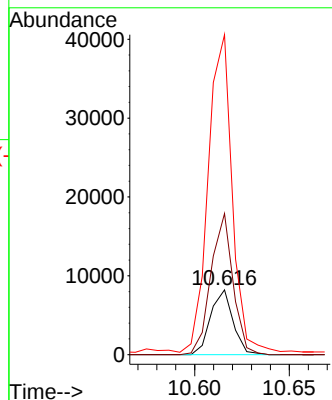
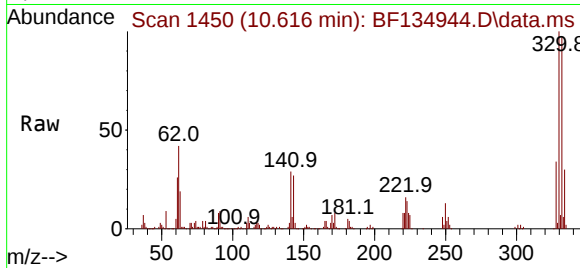




#67
4-Bromophenyl-phenylether
Concen: 2.329 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.259 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

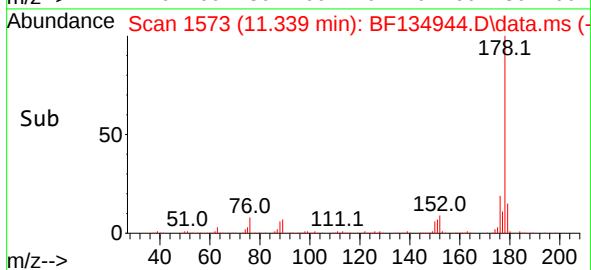
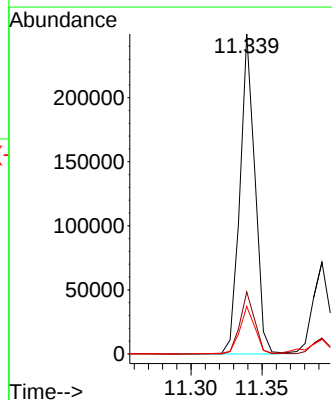
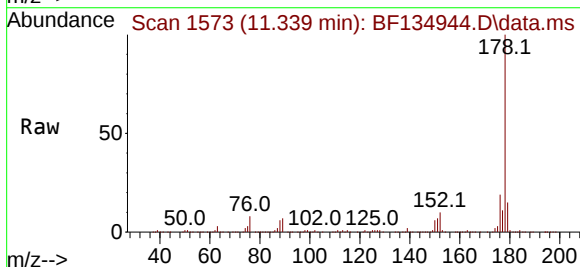
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

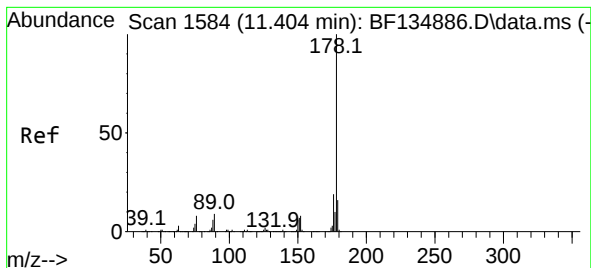
Tgt Ion:248 Resp: 6797
Ion Ratio Lower Upper
248 100
250 217.5 77.1 115.7#
141 493.2 49.0 73.4#



#71
Phenanthrene
Concen: 13.896 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:178 Resp: 184191
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 14.8 12.6 19.0





#72

Anthracene

Concen: 4.117 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

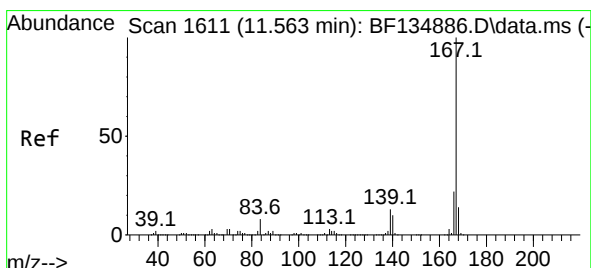
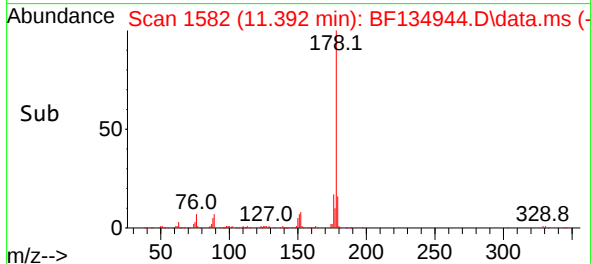
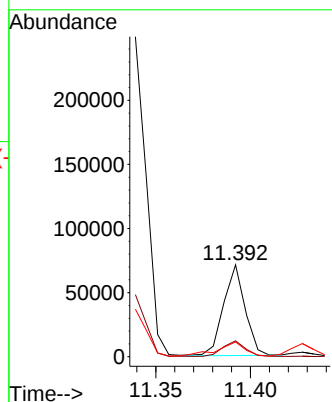
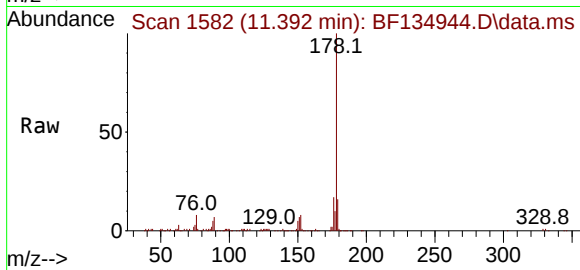
Tgt Ion:178 Resp: 55918

Ion Ratio Lower Upper

178 100

176 17.2 15.0 22.6

179 16.1 12.5 18.7



#73

Carbazole

Concen: 2.149 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

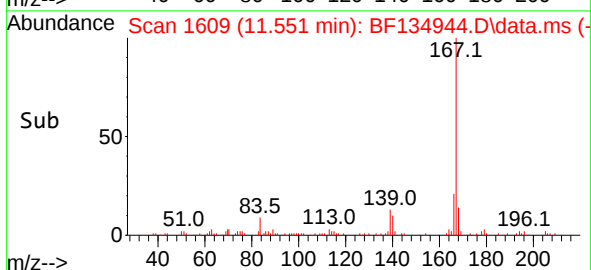
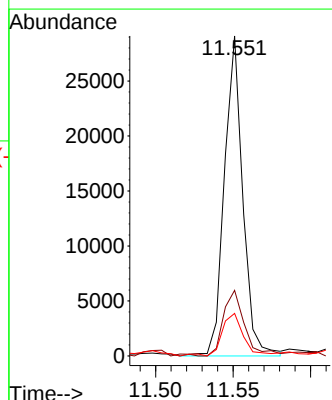
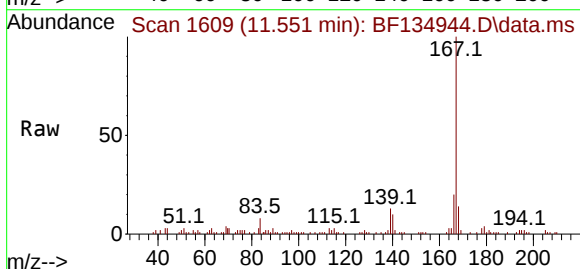
Tgt Ion:167 Resp: 24054

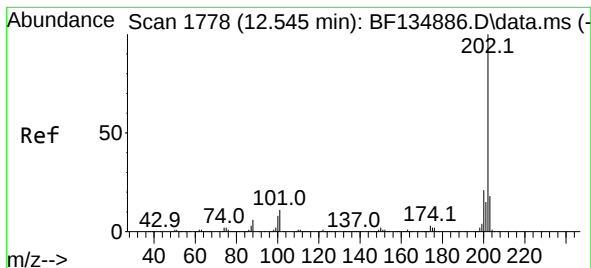
Ion Ratio Lower Upper

167 100

166 20.5 17.4 26.2

139 13.3 10.4 15.6





#75

Fluoranthene

Concen: 31.176 ng

RT: 12.539 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

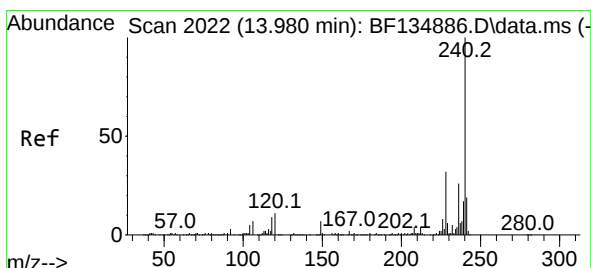
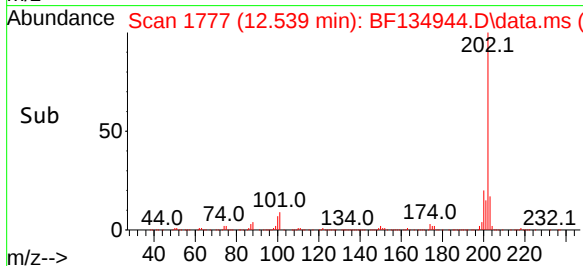
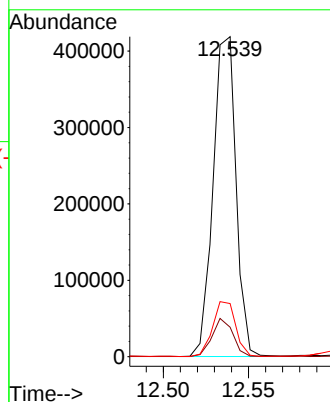
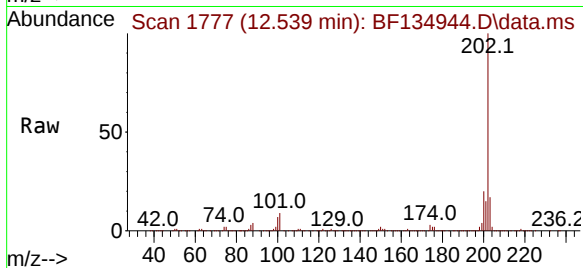
Tgt Ion:202 Resp: 391556

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.5

203 16.6 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: BF134944.D

Acq: 25 Aug 2023 16:57

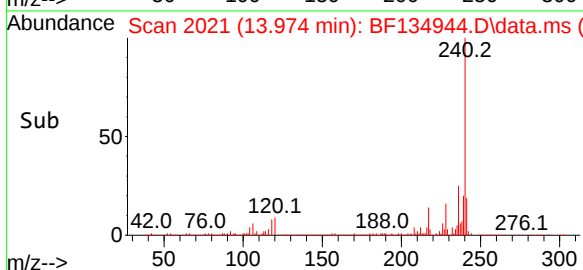
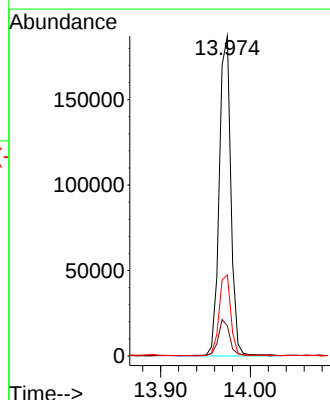
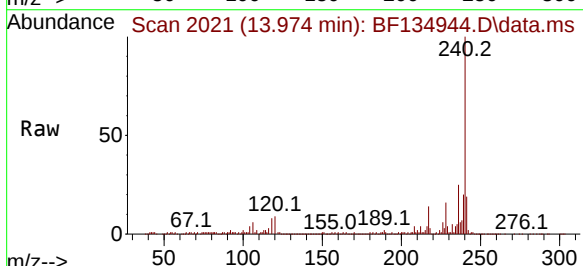
Tgt Ion:240 Resp: 168520

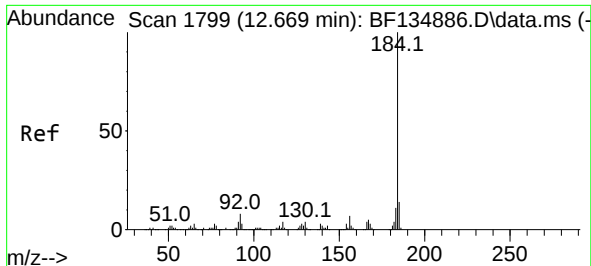
Ion Ratio Lower Upper

240 100

120 9.4 8.6 12.8

236 25.3 20.6 31.0

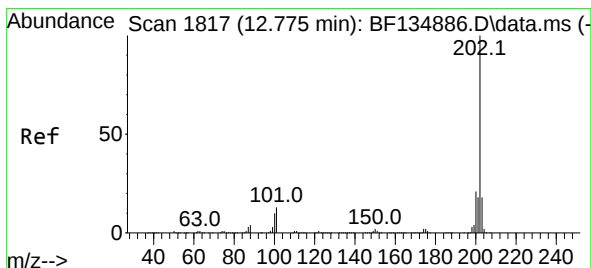
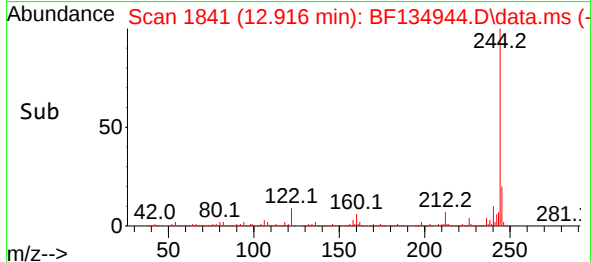
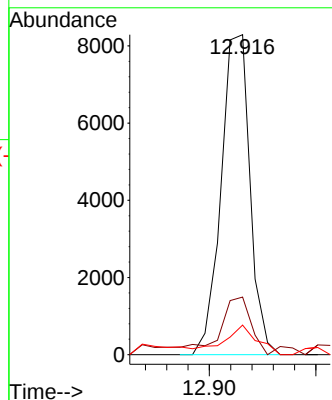
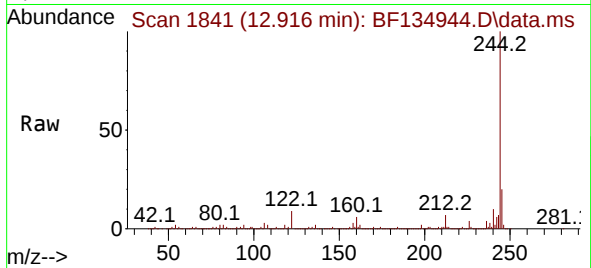




#77
Benzidine
Concen: 2.862 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.247 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

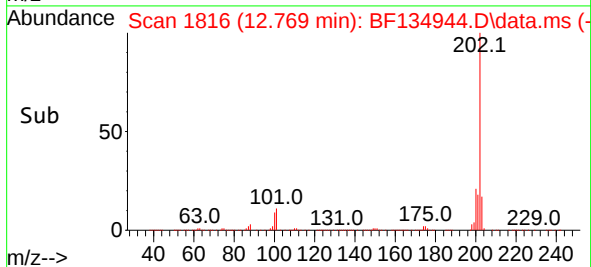
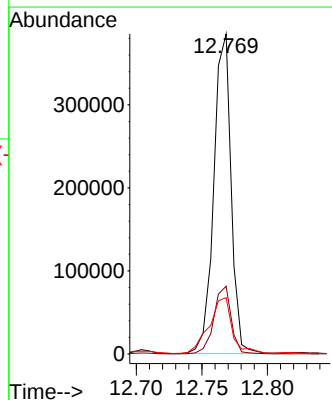
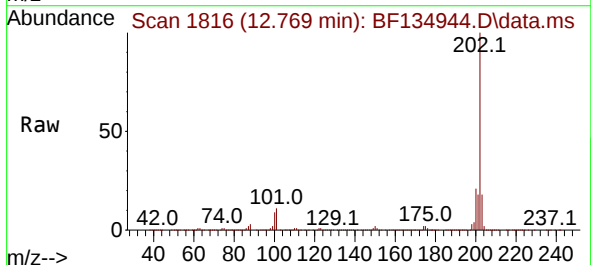
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

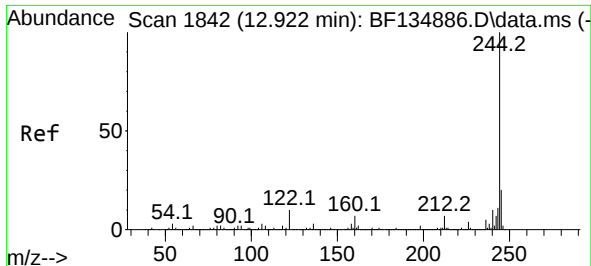
Tgt Ion:184 Resp: 7825
Ion Ratio Lower Upper
184 100
185 18.0 11.4 17.0#
183 9.2 9.0 13.4



#78
Pyrene
Concen: 19.777 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:202 Resp: 353374
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.6 14.2 21.2

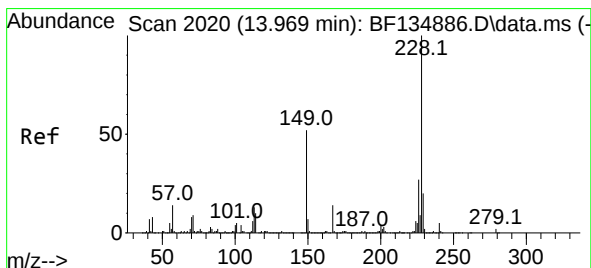
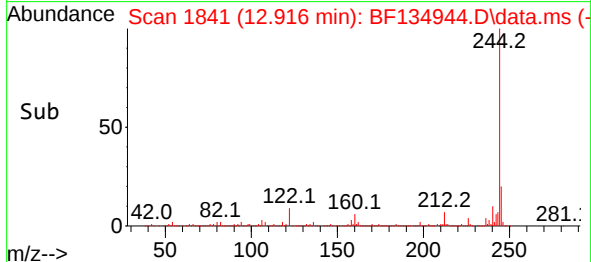
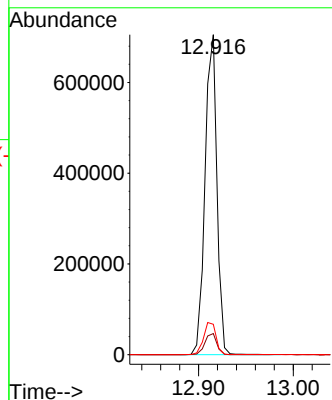
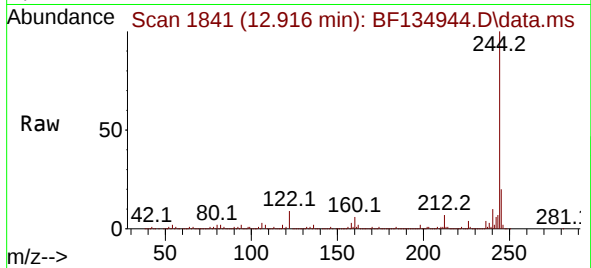




#79
 Terphenyl-d14
 Concen: 50.172 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134944.D
 Acq: 25 Aug 2023 16:57

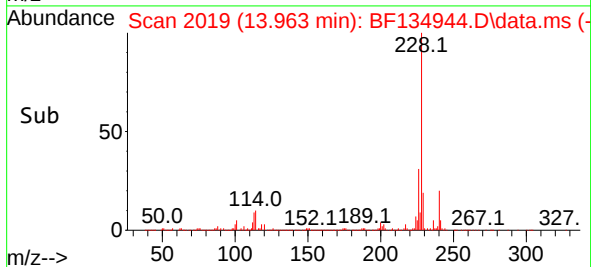
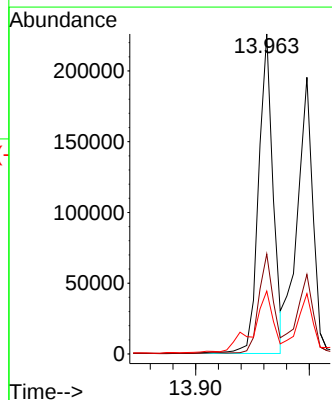
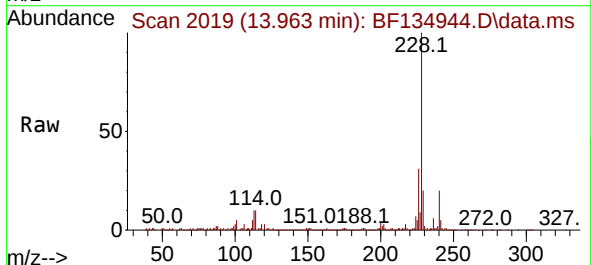
Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-19(0-1)

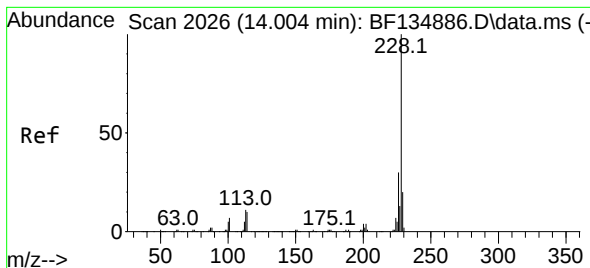
Tgt Ion:244 Resp: 614732
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.5 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 17.367 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF134944.D
 Acq: 25 Aug 2023 16:57

Tgt Ion:228 Resp: 199679
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.8 32.6
 229 19.6 15.6 23.4





#83

Chrysene

Concen: 15.346 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

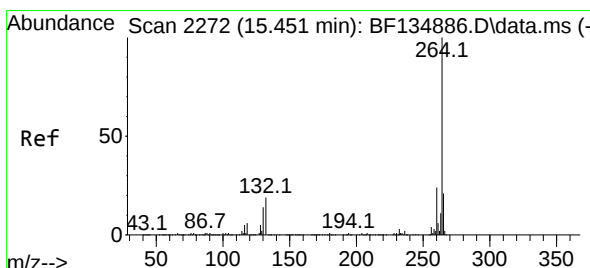
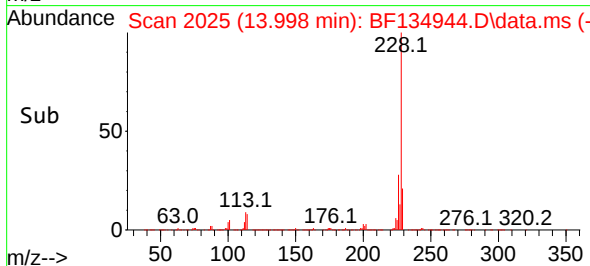
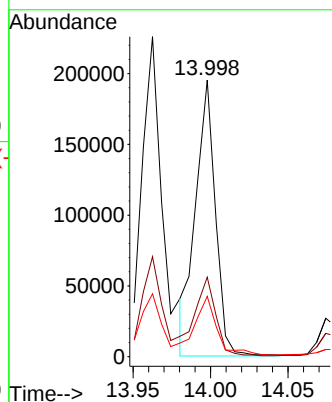
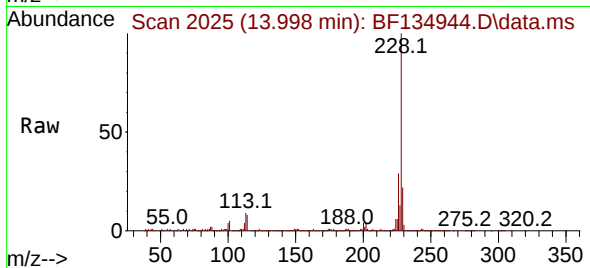
Tgt Ion:228 Resp: 174087

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.2

229 21.8 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.006 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

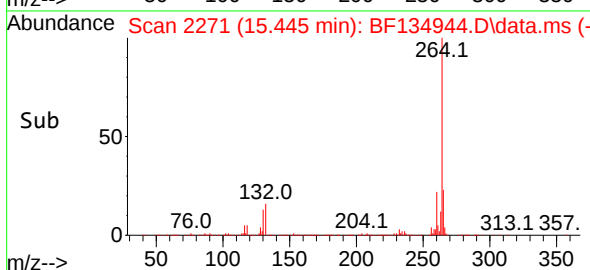
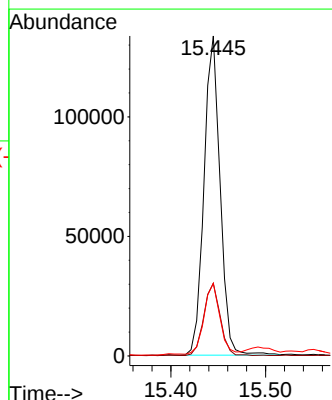
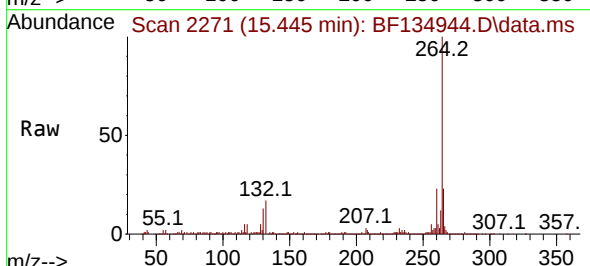
Tgt Ion:264 Resp: 157769

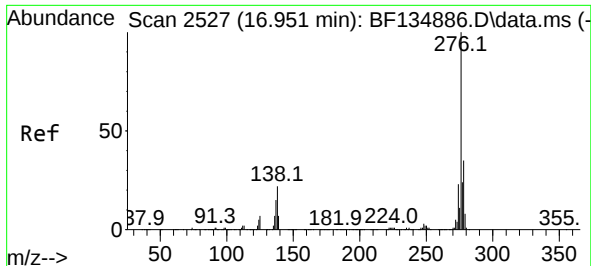
Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 22.7 17.1 25.7

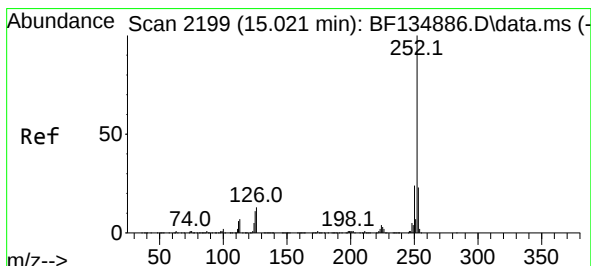
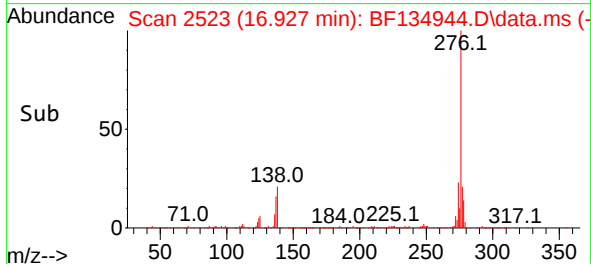
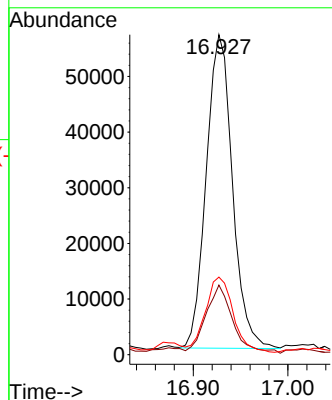
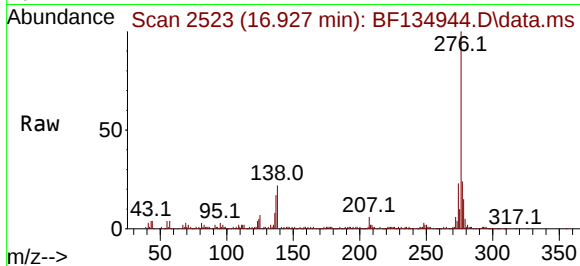




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.613 ng
 RT: 16.927 min Scan# 2198
 Delta R.T. -0.024 min
 Lab File: BF134944.D
 Acq: 25 Aug 2023 16:57

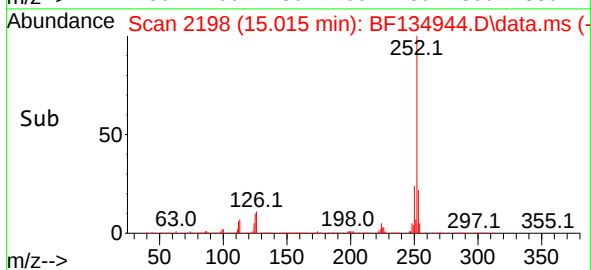
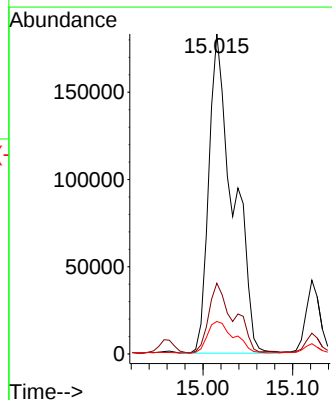
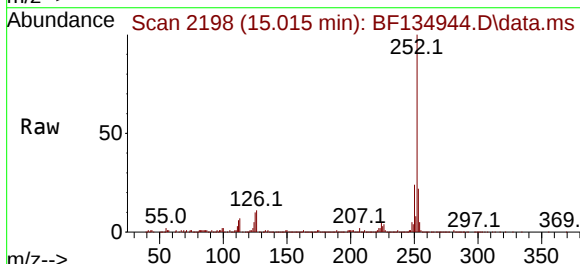
Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-19(0-1)

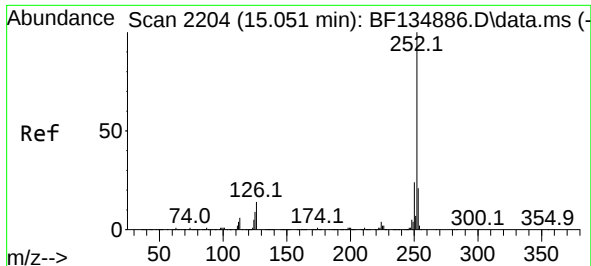
Tgt Ion:276 Resp: 108410
 Ion Ratio Lower Upper
 276 100
 138 22.2 19.7 29.5
 277 25.2 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 38.624 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF134944.D
 Acq: 25 Aug 2023 16:57

Tgt Ion:252 Resp: 343799
 Ion Ratio Lower Upper
 252 100
 253 22.1 18.1 27.1
 125 10.1 8.4 12.6

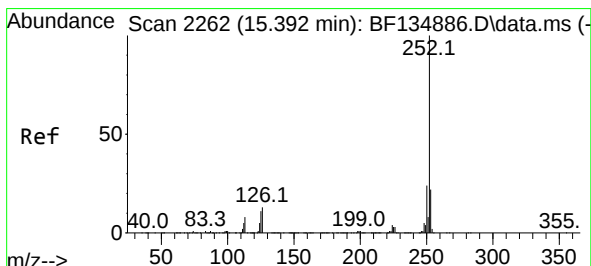
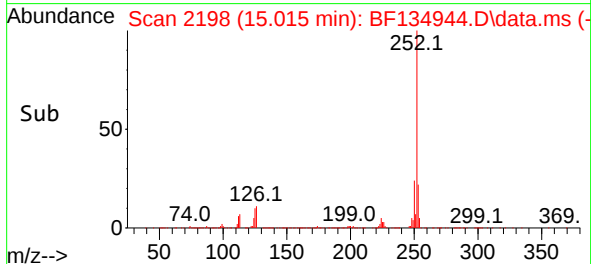
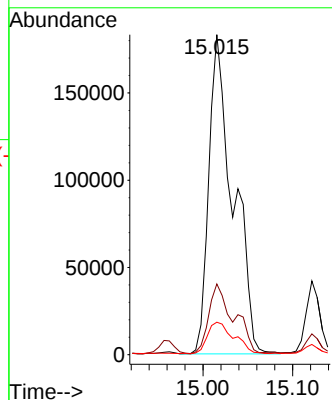
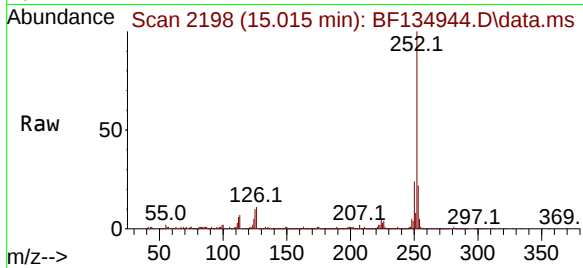




#89
Benzo(k)fluoranthene
Concen: 39.333 ng
RT: 15.015 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

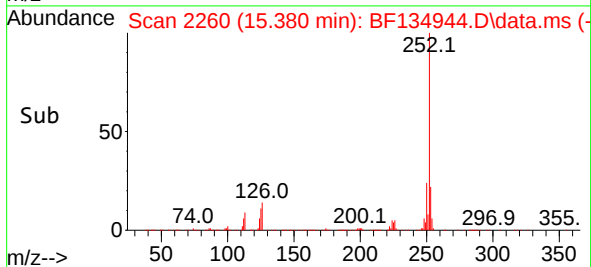
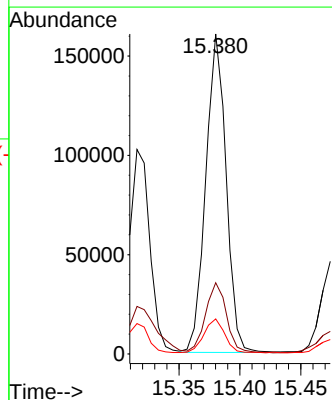
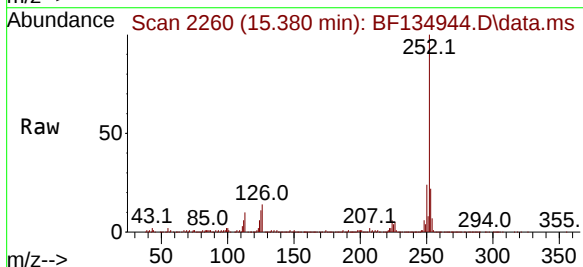
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)

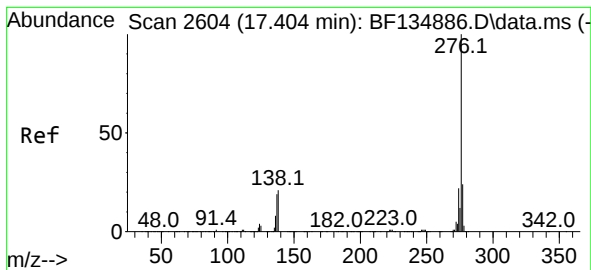
Tgt Ion:252 Resp: 343799
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 10.1 8.0 12.0



#90
Benzo(a)pyrene
Concen: 21.037 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:252 Resp: 186935
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 11.0 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 11.153 ng

RT: 17.380 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF134944.D

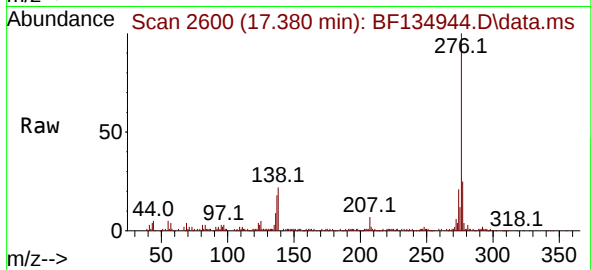
Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)



Tgt Ion:276 Resp: 104175

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 21.5 17.0 25.6

