

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134963.D
 Acq On : 28 Aug 2023 12:16
 Operator : CG\JU
 Sample : 04110-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-01(0-0.2)

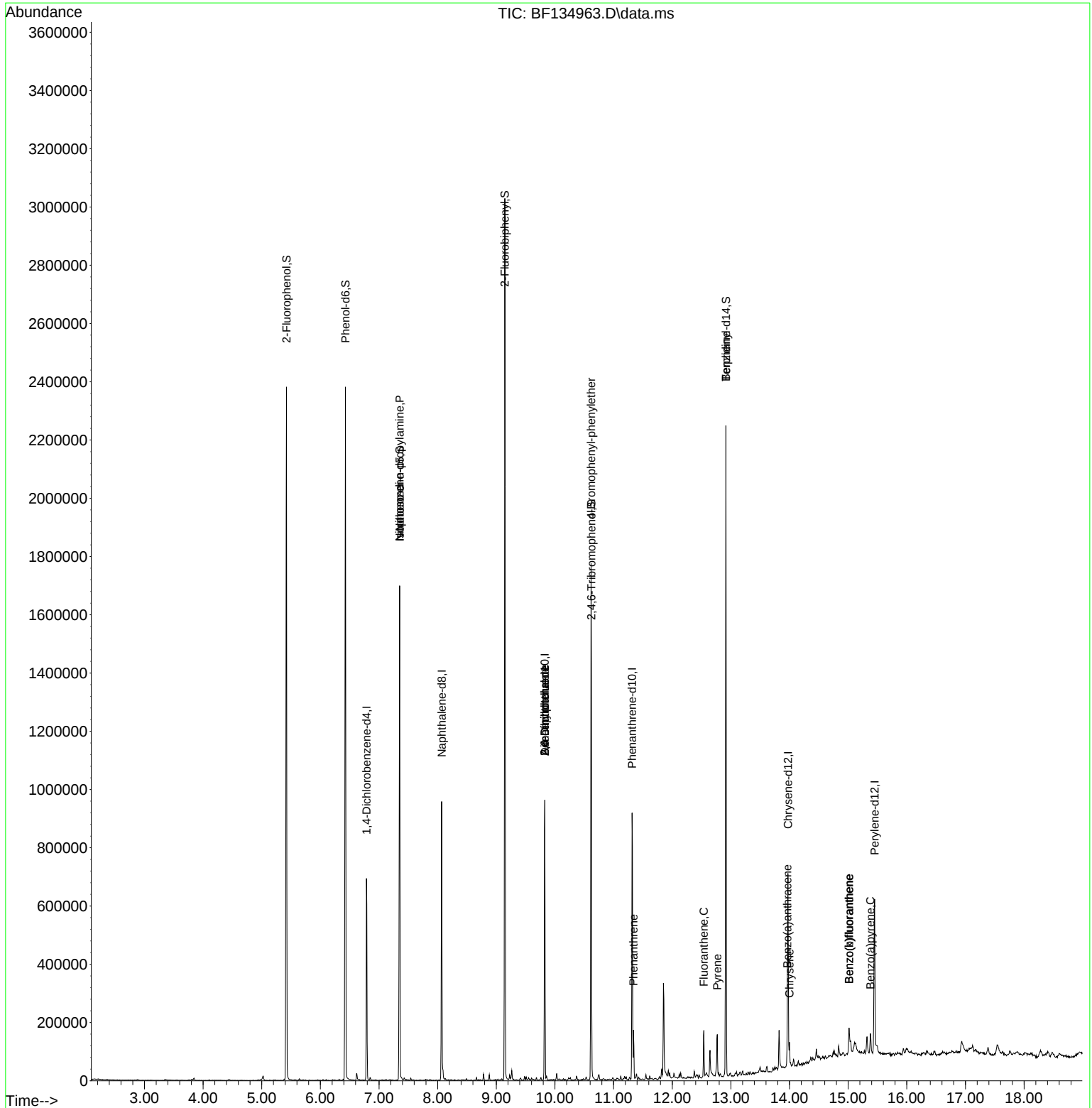
Quant Time: Aug 29 03:48:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

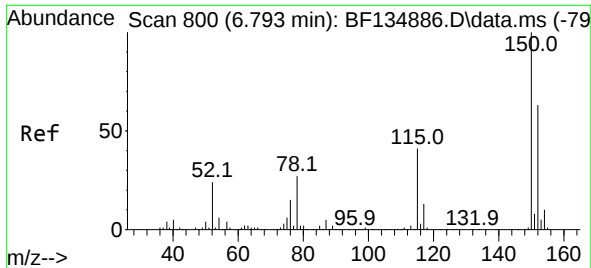
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	97994	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	388514	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	192462	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	326481	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	197642	20.000	ng	0.00
86) Perylene-d12	15.451	264	246463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	626447	101.941	ng	0.00
7) Phenol-d6	6.428	99	782685	99.675	ng	-0.01
23) Nitrobenzene-d5	7.351	82	496400	70.405	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	215417	95.035	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	866108	69.567	ng	-0.01
79) Terphenyl-d14	12.916	244	702578	48.893	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	66740	14.553	ng	# 79
25) Isophorone	7.351	82	493236	37.464	ng	# 64
50) Dimethylphthalate	9.828	163	39583	2.889	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	24890	8.237	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	24890	6.661	ng	# 25
67) 4-Bromophenyl-phenylether	10.616	248	14085	3.739	ng	# 1
71) Phenanthrene	11.339	178	55740	3.258	ng	99
75) Fluoranthene	12.539	202	63543	3.920	ng	99
77) Benzidine	12.916	184	8816	2.749	ng	# 96
78) Pyrene	12.769	202	60333	2.879	ng	99
81) Benzo(a)anthracene	13.963	228	28871	2.141	ng	96
83) Chrysene	13.998	228	27413	2.060	ng	96
88) Benzo(b)fluoranthene	15.015	252	58558	4.211	ng	97
89) Benzo(k)fluoranthene	15.015	252	58558	4.288	ng	99
90) Benzo(a)pyrene	15.380	252	31746	2.287	ng	# 94

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

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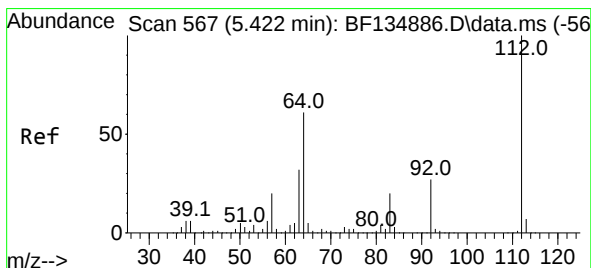
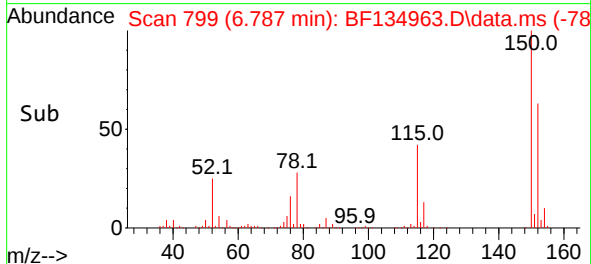
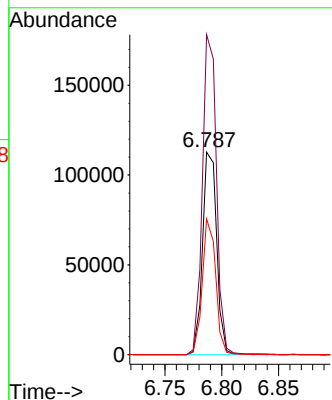
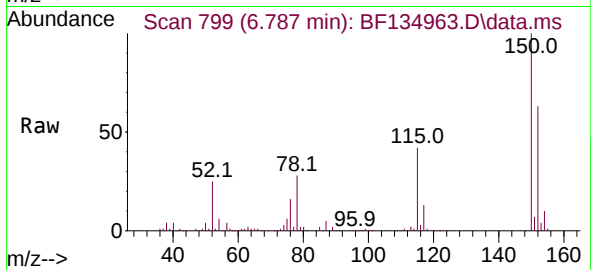




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

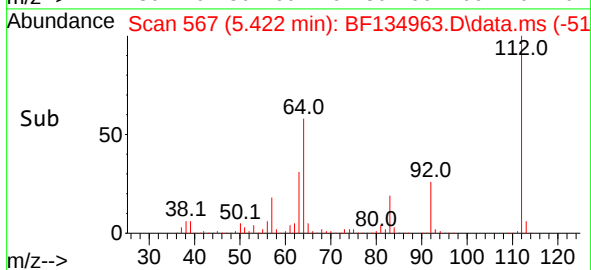
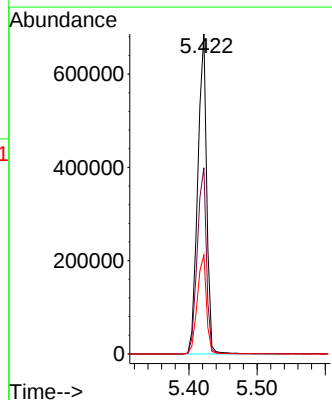
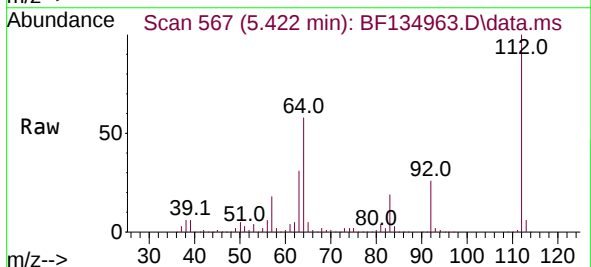
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

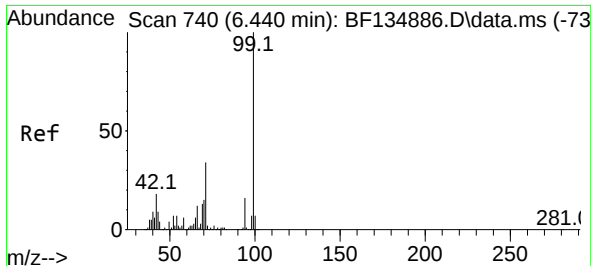
Tgt Ion:152 Resp: 97994
Ion Ratio Lower Upper
152 100
150 158.0 126.1 189.1
115 67.0 51.1 76.7



#5
2-Fluorophenol
Concen: 101.941 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion:112 Resp: 626447
Ion Ratio Lower Upper
112 100
64 58.2 48.6 73.0
63 30.9 25.7 38.5

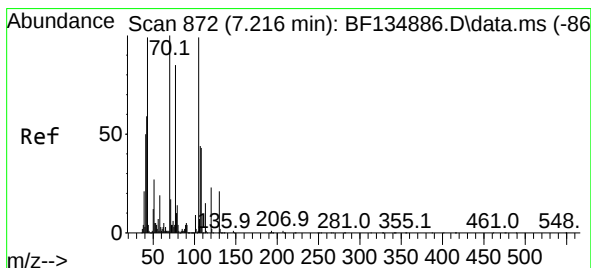
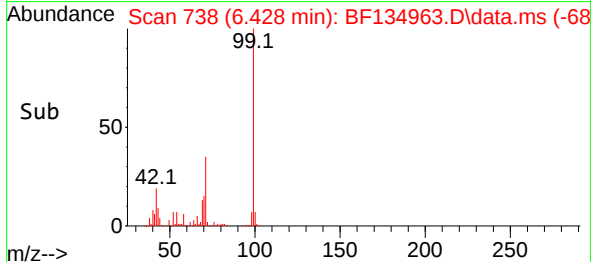
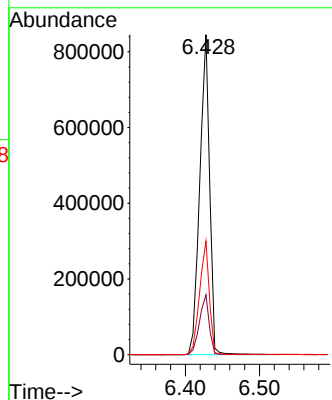
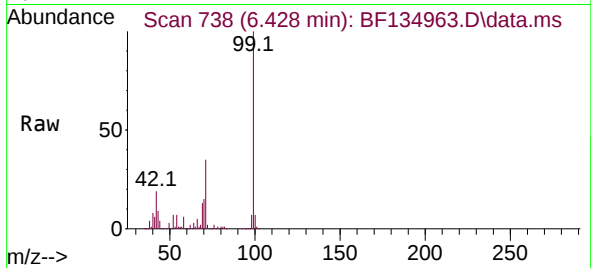




#7
Phenol-d6
Concen: 99.675 ng
RT: 6.428 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

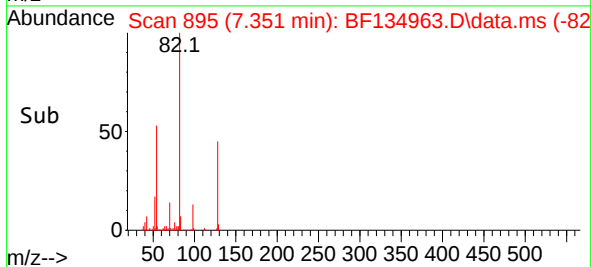
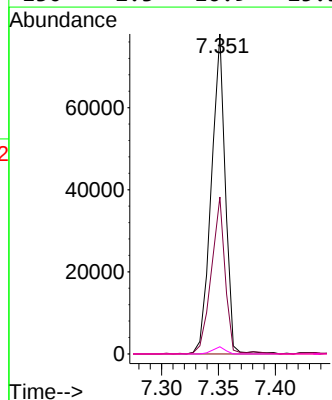
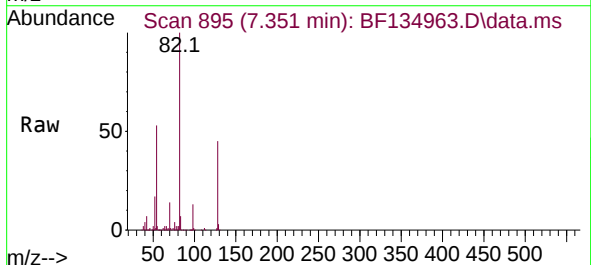
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

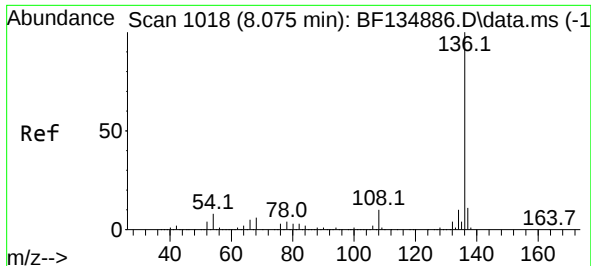
Tgt Ion: 99 Resp: 782685
Ion Ratio Lower Upper
99 100
42 18.7 14.6 22.0
71 35.5 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.553 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion: 70 Resp: 66740
Ion Ratio Lower Upper
70 100
42 49.1 46.9 70.3
101 0.0 7.5 11.3#
130 2.3 16.9 25.3#

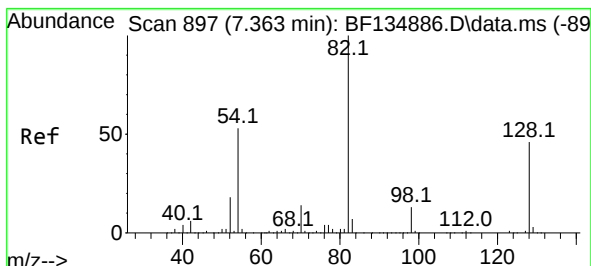
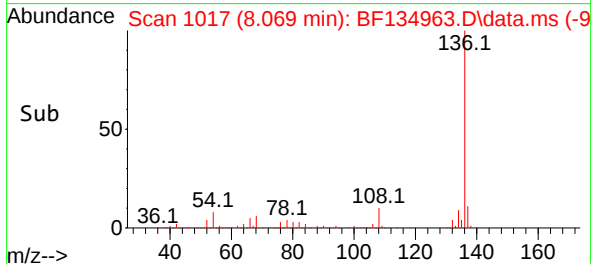
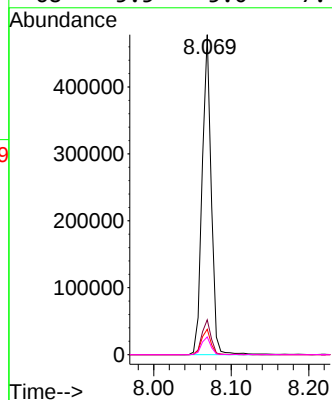
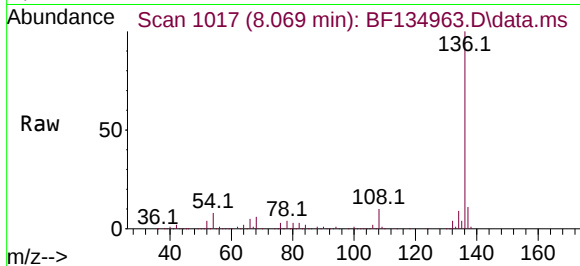




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

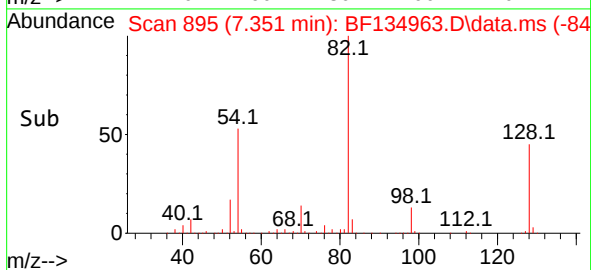
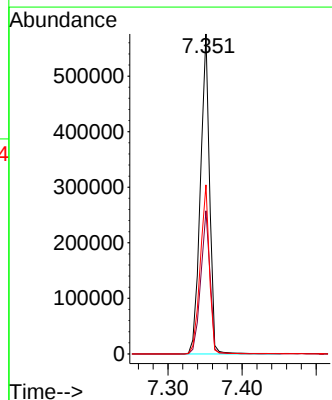
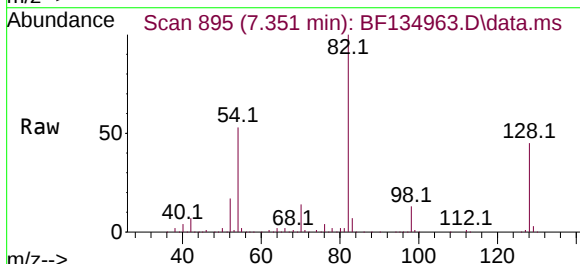
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

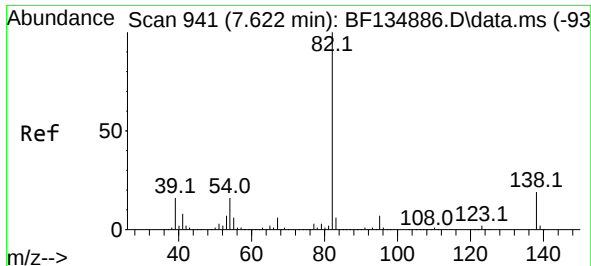
Tgt Ion:136	Resp: 388514
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 7.9	6.6 9.8
68 5.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 70.405 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion: 82	Resp: 496400
Ion Ratio	Lower Upper
82 100	
128 44.7	36.6 54.8
54 52.8	42.6 63.8

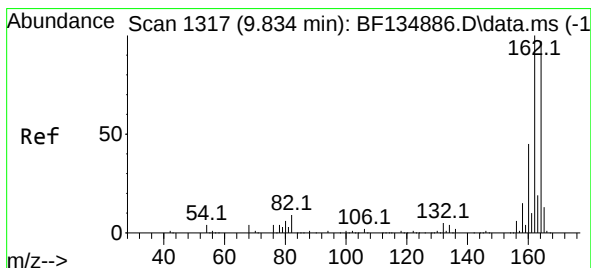
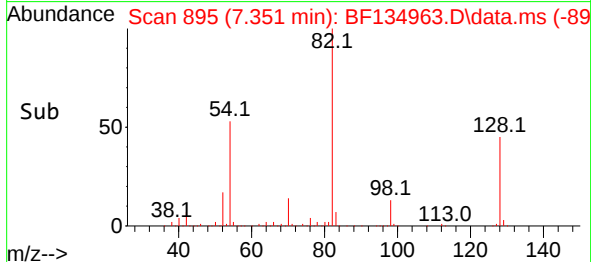
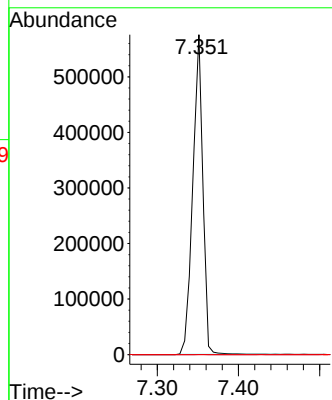
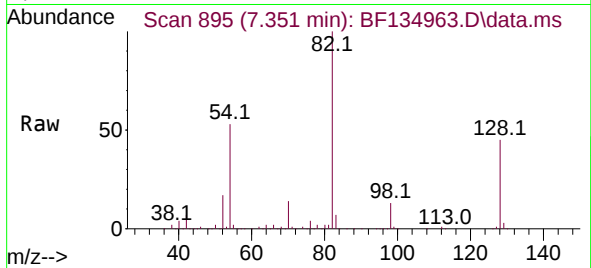




#25
Isophorone
Concen: 37.464 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

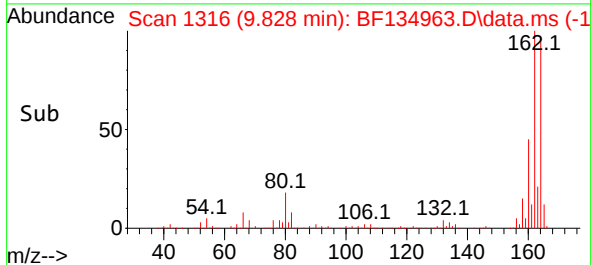
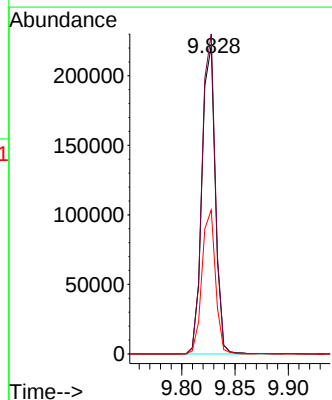
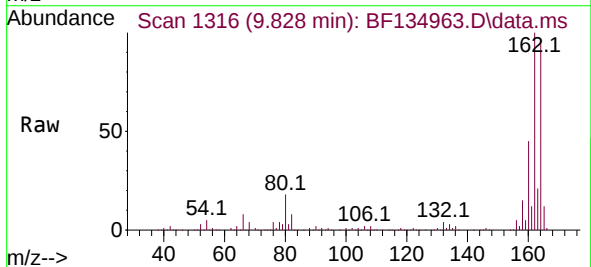
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

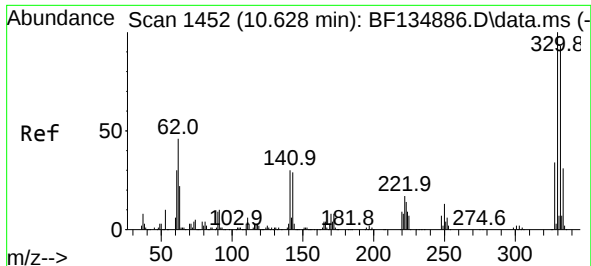
Tgt Ion: 82 Resp: 493236
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion: 164 Resp: 192462
Ion Ratio Lower Upper
164 100
162 103.8 82.6 123.8
160 46.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 95.035 ng

RT: 10.622 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

Instrument :

BNA_F

ClientSampleId :

SS-TP-01(0-0.2)

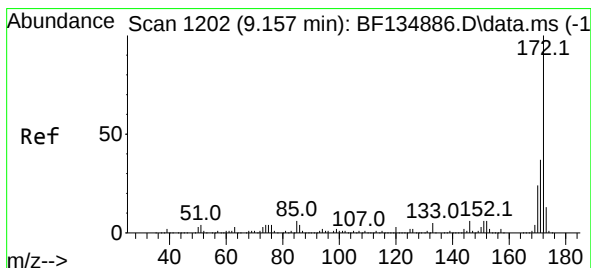
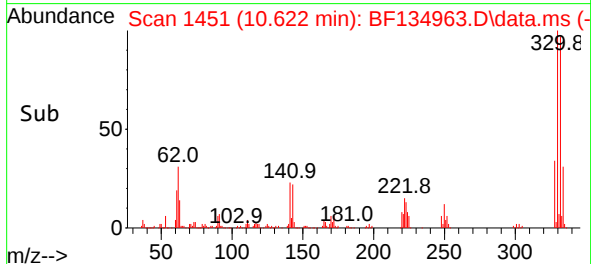
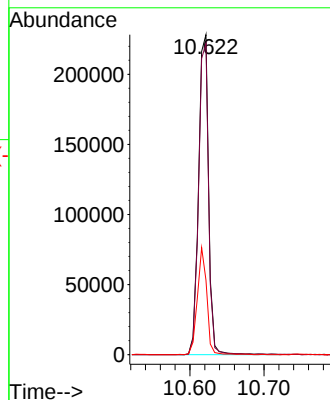
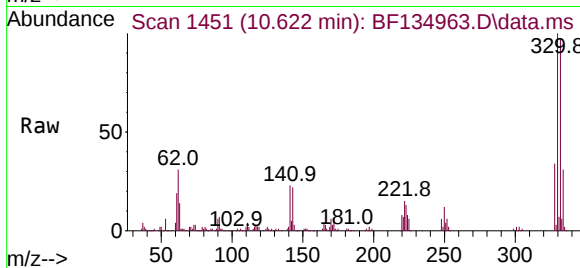
Tgt Ion:330 Resp: 215417

Ion Ratio Lower Upper

330 100

332 96.4 76.3 114.5

141 31.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 69.567 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

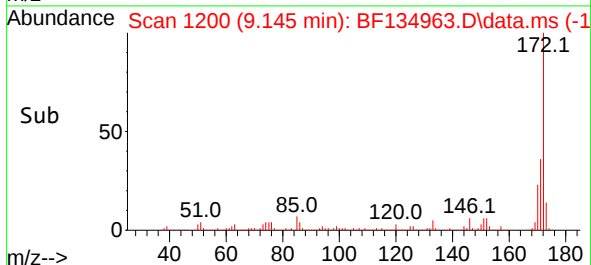
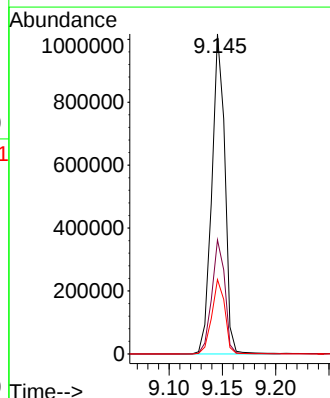
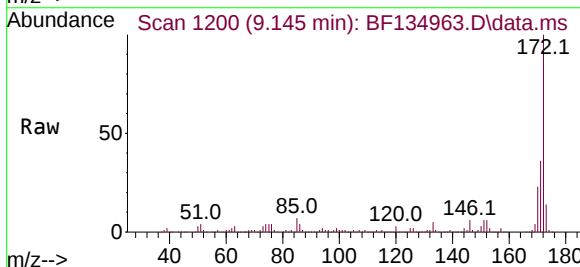
Tgt Ion:172 Resp: 866108

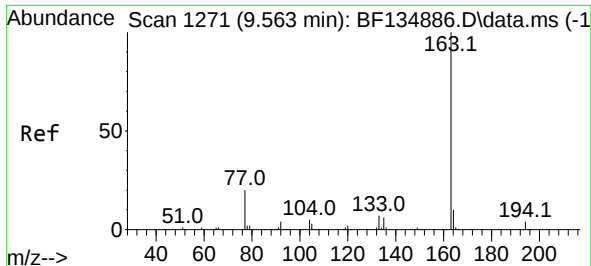
Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

170 23.2 19.6 29.4

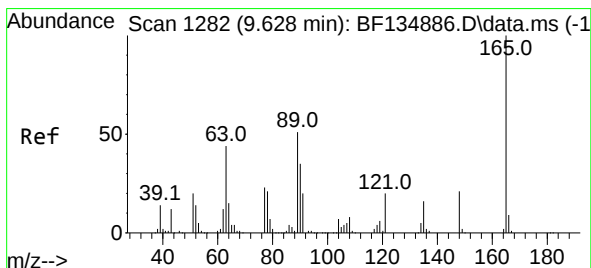
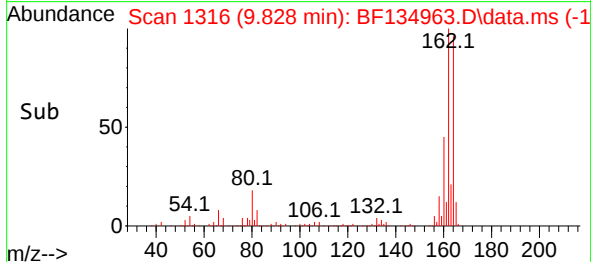
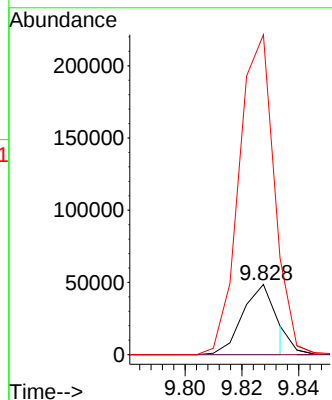
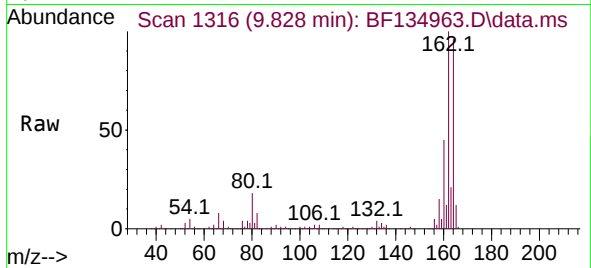




#50
Dimethylphthalate
Concen: 2.889 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

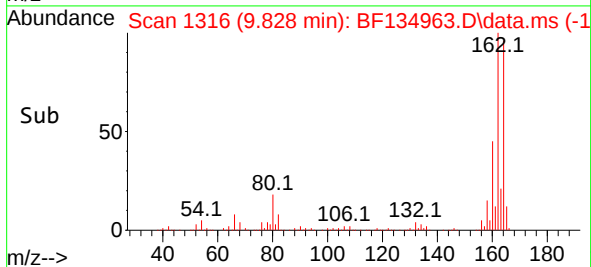
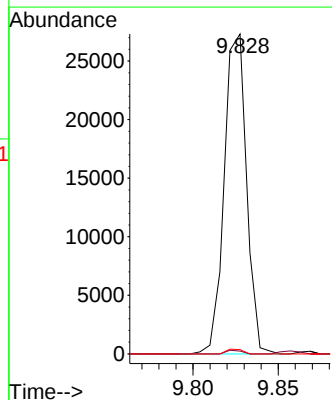
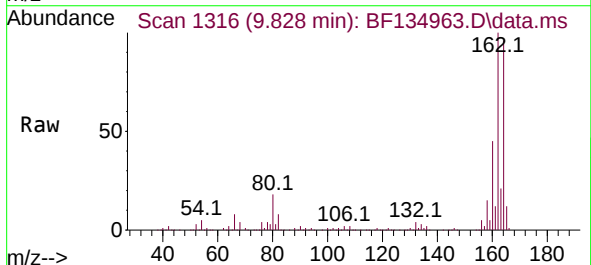
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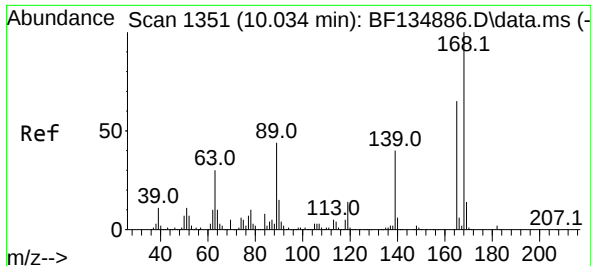
Tgt Ion:163 Resp: 39583
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 456.0 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 8.237 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion:165 Resp: 24890
Ion Ratio Lower Upper
165 100
63 0.9 41.4 62.2#
89 1.3 40.9 61.3#

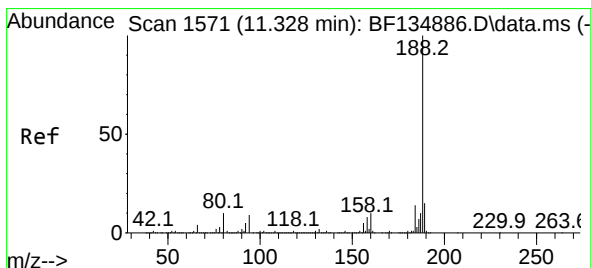
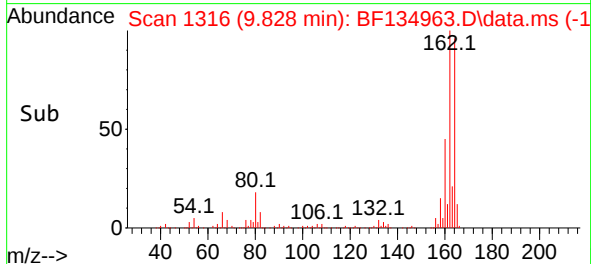
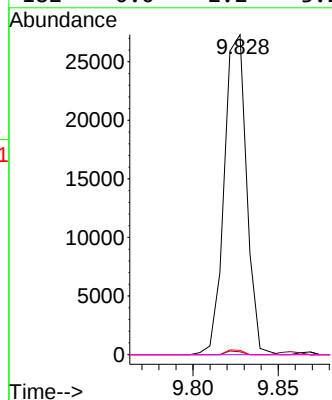
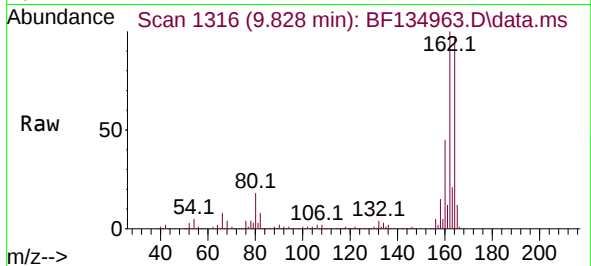




#57
2,4-Dinitrotoluene
Concen: 6.661 ng
RT: 9.828 min Scan# 1351
Delta R.T. -0.206 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

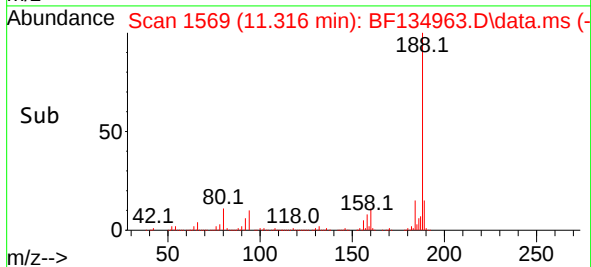
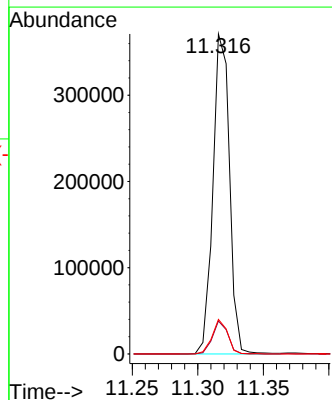
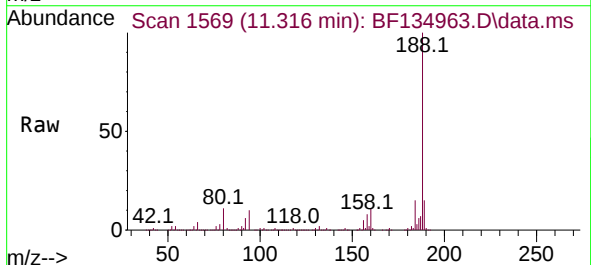
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BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

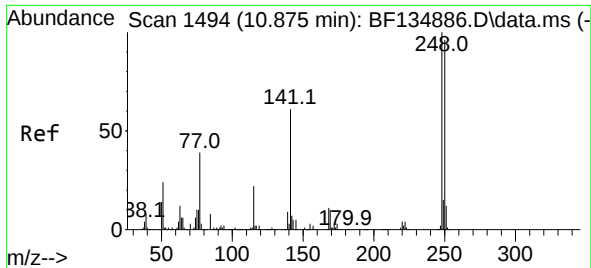
Tgt Ion:165 Resp: 24890
Ion Ratio Lower Upper
165 100
63 0.9 37.7 56.5#
89 1.3 54.2 81.4#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion:188 Resp: 326481
Ion Ratio Lower Upper
188 100
94 10.3 7.5 11.3
80 10.8 7.8 11.6

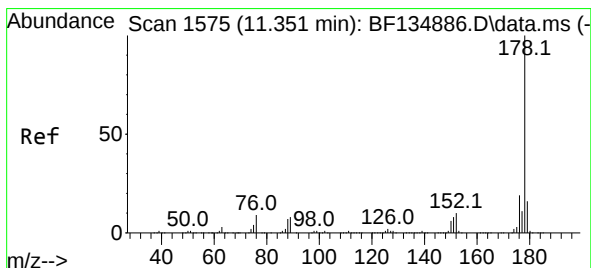
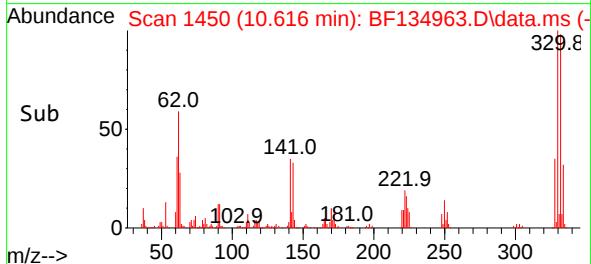
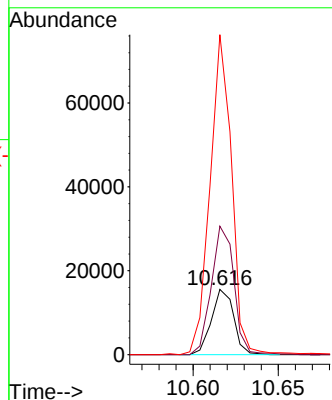
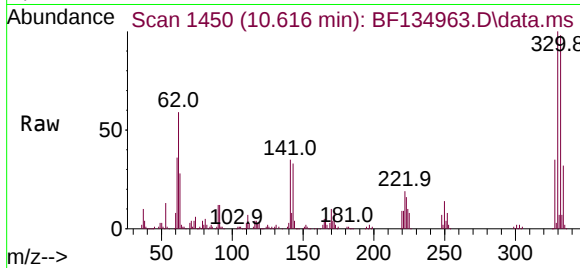




#67
4-Bromophenyl-phenylether
Concen: 3.739 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.259 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

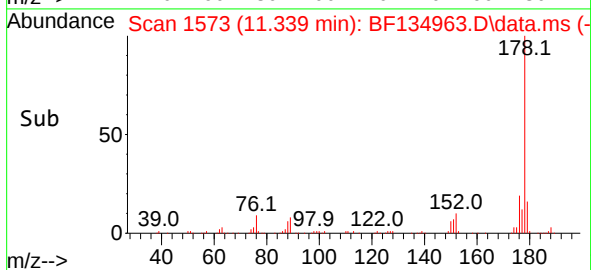
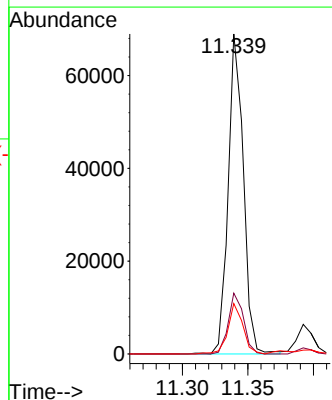
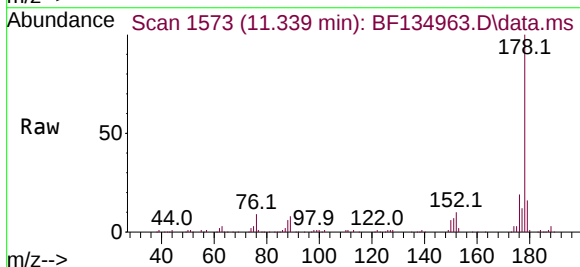
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

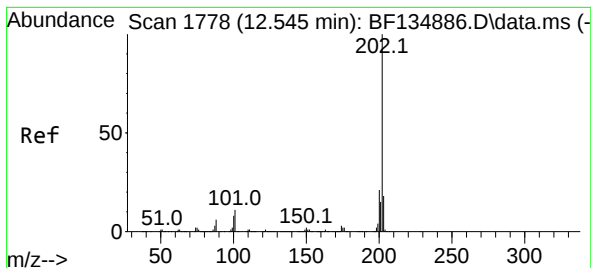
Tgt Ion:248 Resp: 14085
Ion Ratio Lower Upper
248 100
250 197.3 77.1 115.7#
141 491.4 49.0 73.4#



#71
Phenanthrene
Concen: 3.258 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion:178 Resp: 55740
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.6 19.0





#75

Fluoranthene

Concen: 3.920 ng

RT: 12.539 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

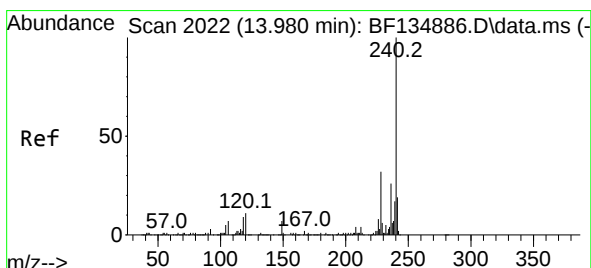
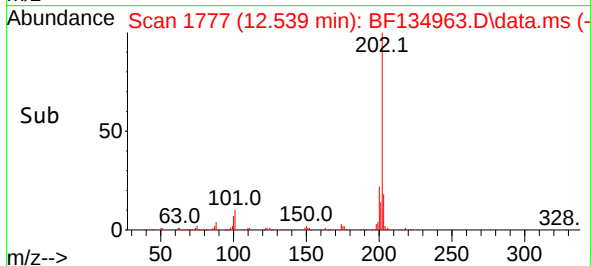
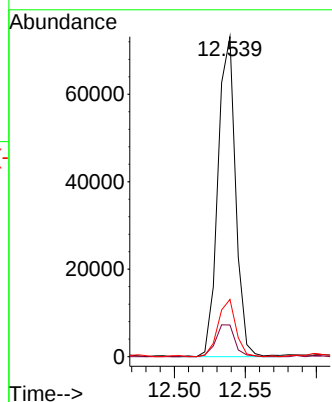
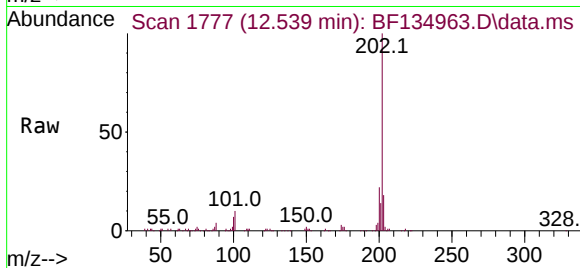
Instrument :

BNA_F

ClientSampleId :

SS-TP-01(0-0.2)

Tgt Ion:	202	Resp:	63543
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	30.5
203	17.9	0.0	37.8



#76

Chrysene-d12

Concen: 20.000 ng

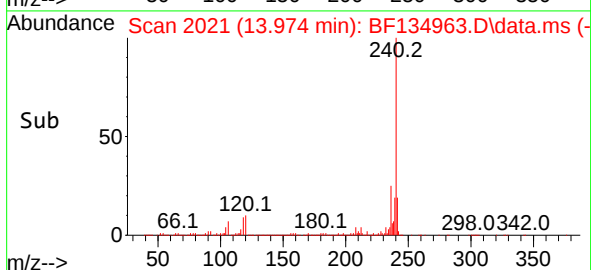
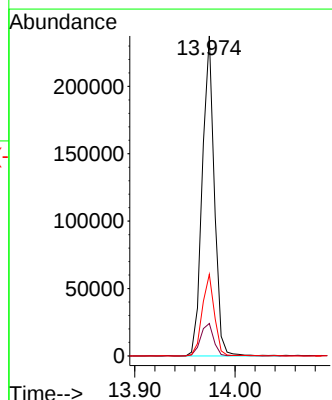
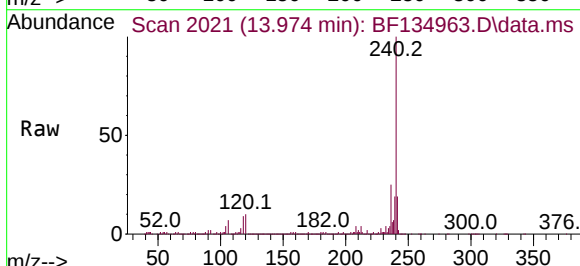
RT: 13.974 min Scan# 2021

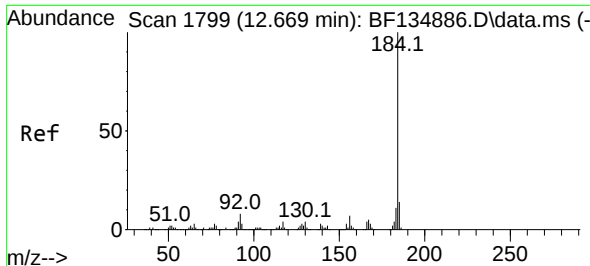
Delta R.T. -0.006 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

Tgt Ion:	240	Resp:	197642
Ion Ratio	Lower	Upper	
240	100		
120	10.1	8.6	12.8
236	25.5	20.6	31.0

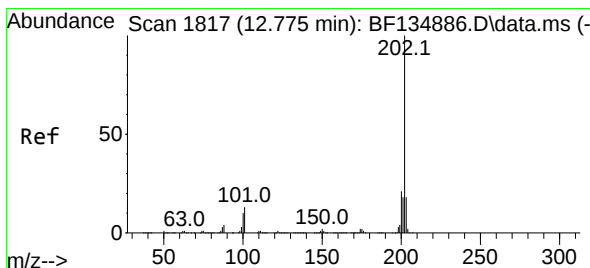
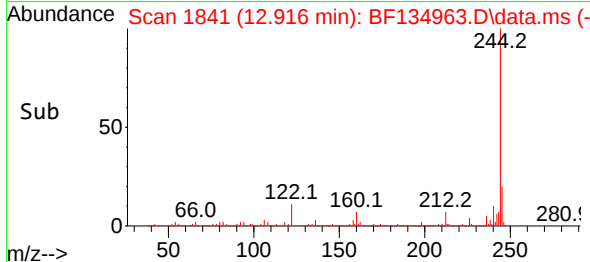
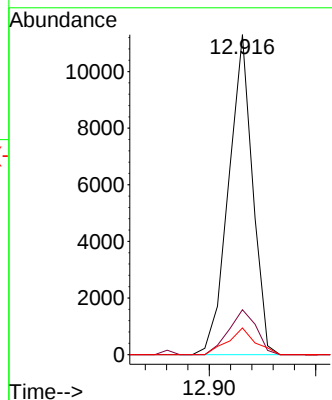
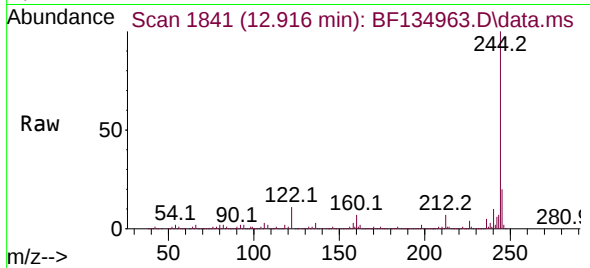




#77
Benzidine
Concen: 2.749 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.247 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

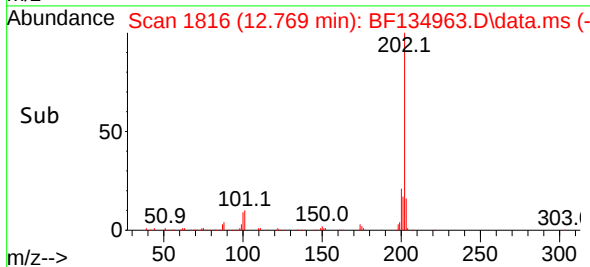
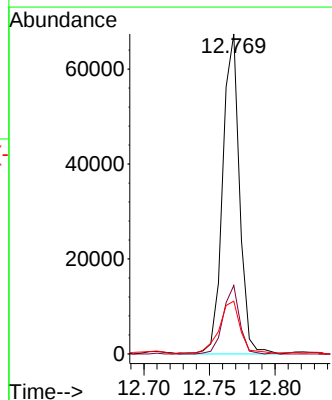
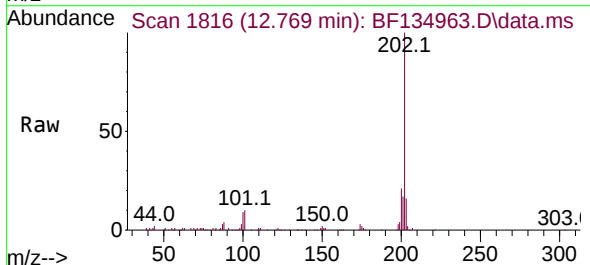
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

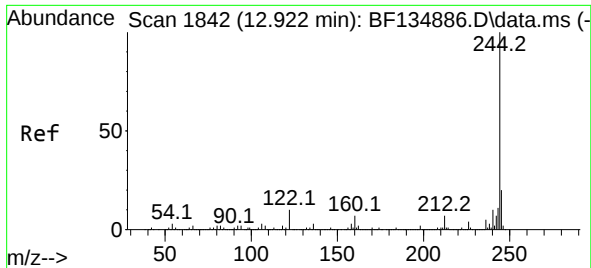
Tgt Ion:184 Resp: 8816
Ion Ratio Lower Upper
184 100
185 14.0 11.4 17.0
183 8.3 9.0 13.4#



#78
Pyrene
Concen: 2.879 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Tgt Ion:202 Resp: 60333
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 16.5 14.2 21.2

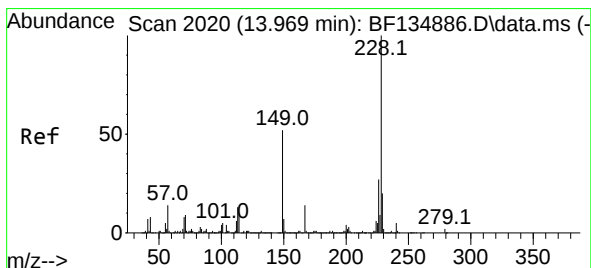
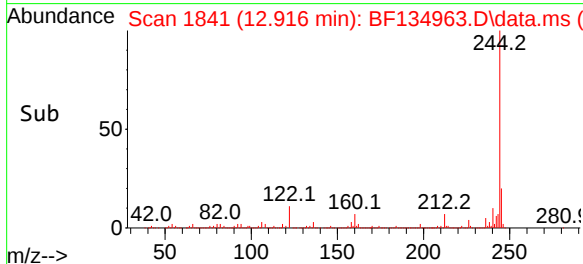
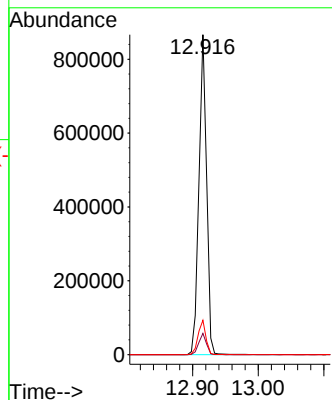
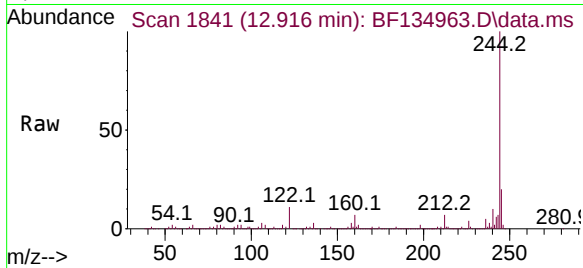




#79
 Terphenyl-d14
 Concen: 48.893 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF134963.D
 Acq: 28 Aug 2023 12:16

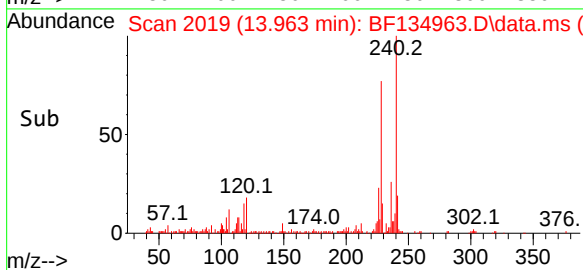
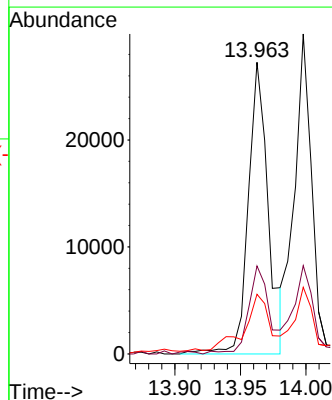
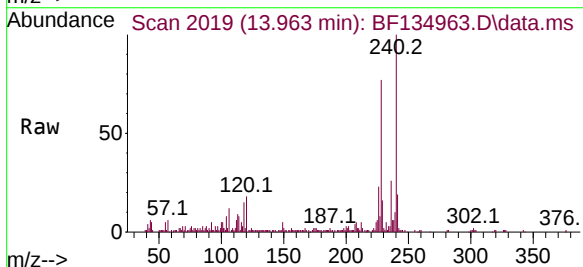
Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-01(0-0.2)

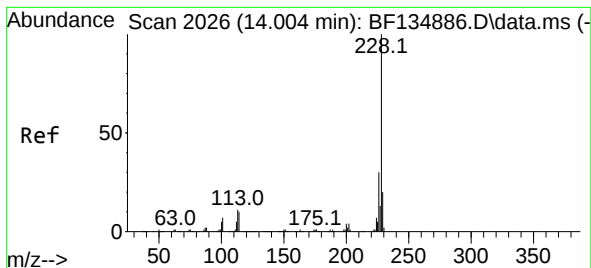
Tgt Ion:244 Resp: 702578
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.7 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 2.141 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF134963.D
 Acq: 28 Aug 2023 12:16

Tgt Ion:228 Resp: 28871
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.8 32.6
 229 20.4 15.6 23.4





#83

Chrysene

Concen: 2.060 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

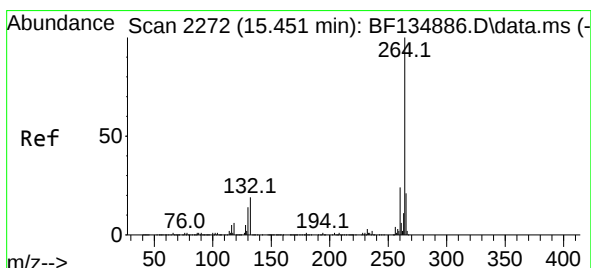
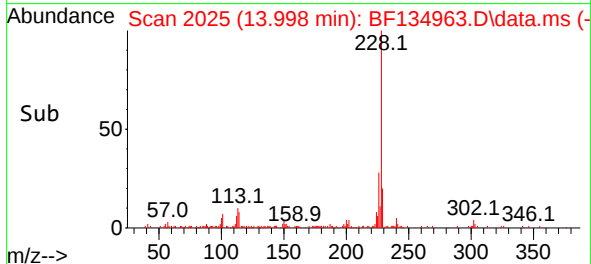
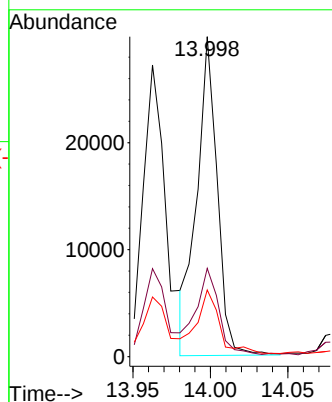
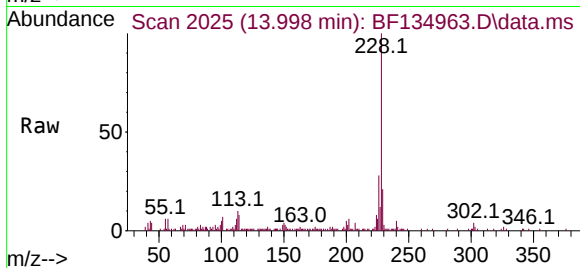
Instrument :

BNA_F

ClientSampleId :

SS-TP-01(0-0.2)

Tgt Ion:228	Resp:	27413
Ion Ratio	Lower	Upper
228	100	
226	27.6	24.2 36.2
229	20.8	16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

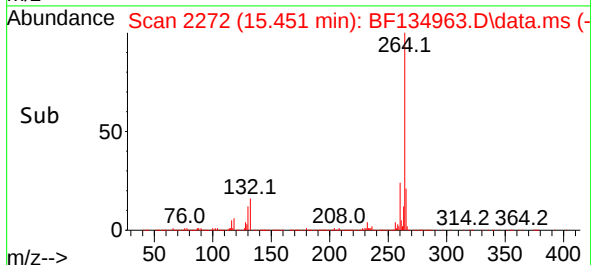
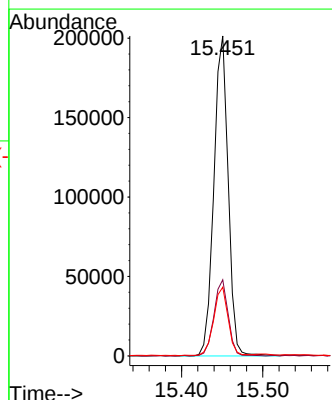
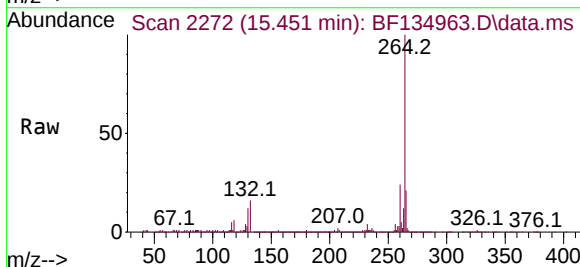
RT: 15.451 min Scan# 2272

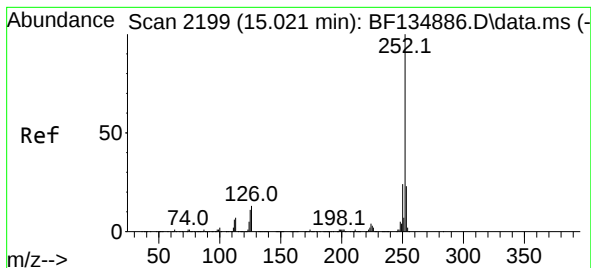
Delta R.T. -0.000 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

Tgt Ion:264	Resp:	246463
Ion Ratio	Lower	Upper
264	100	
260	23.8	19.0 28.6
265	21.5	17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 4.211 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

Instrument :

BNA_F

ClientSampleId :

SS-TP-01(0-0.2)

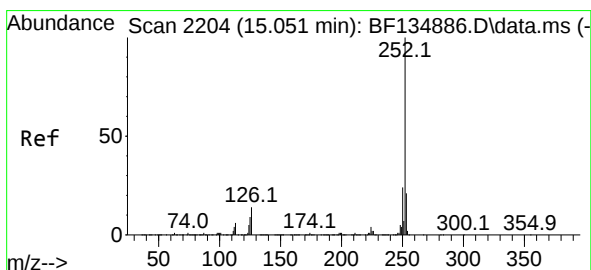
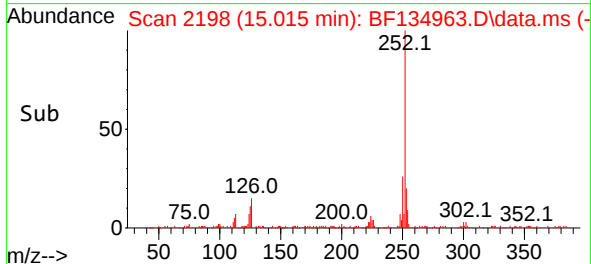
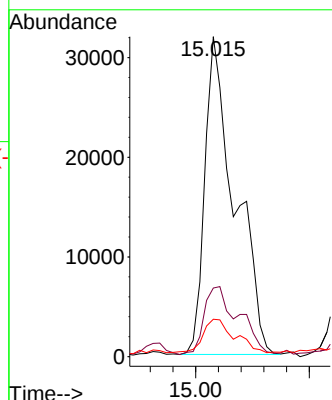
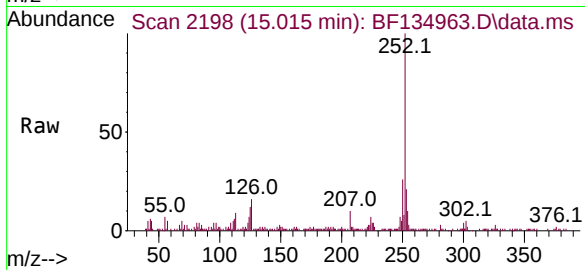
Tgt Ion:252 Resp: 58558

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

125 11.7 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 4.288 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF134963.D

Acq: 28 Aug 2023 12:16

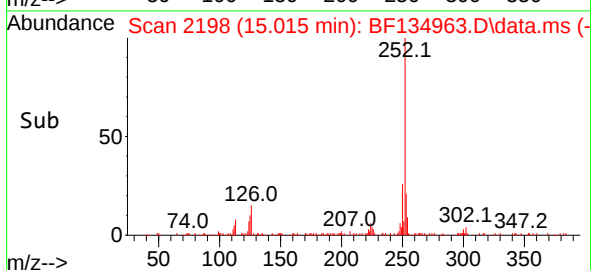
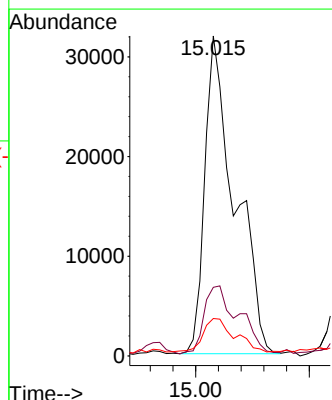
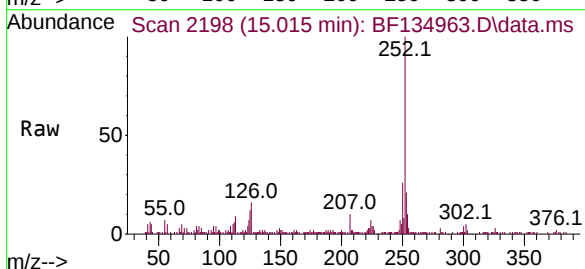
Tgt Ion:252 Resp: 58558

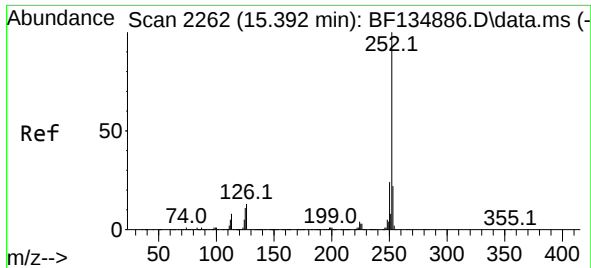
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

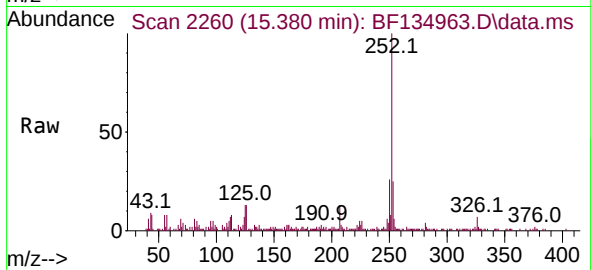
125 11.7 8.0 12.0





#90
Benzo(a)pyrene
Concen: 2.287 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134963.D
Acq: 28 Aug 2023 12:16

Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.6	26.4
125	13.5	8.4	12.6

