

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134919.D
 Acq On : 24 Aug 2023 12:28
 Operator : CG\JU
 Sample : 04090-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-K

Quant Time: Aug 25 01:17:39 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)

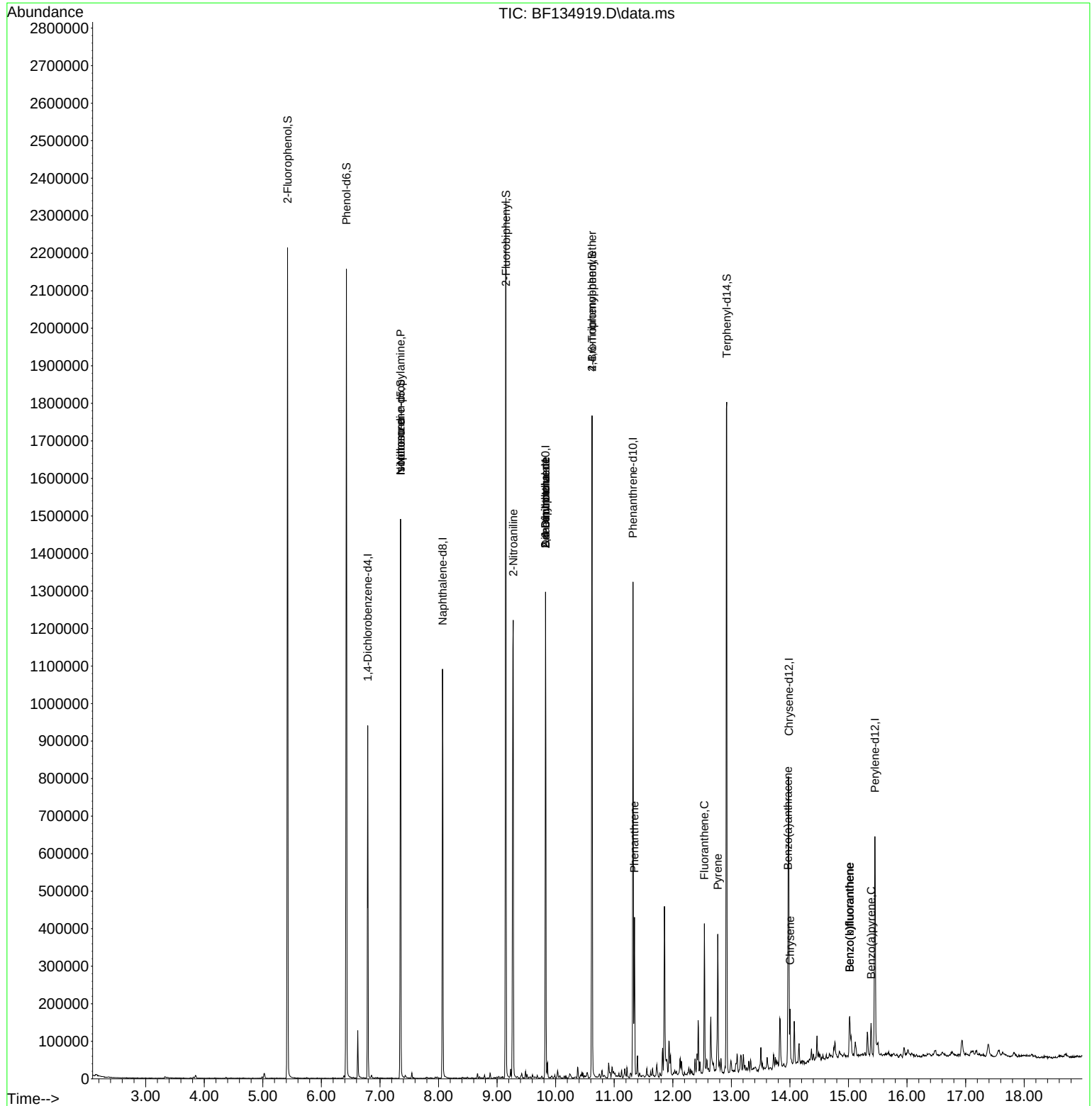
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	122883	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	476712	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	243482	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	442223	20.000	ng	0.00
76) Chrysene-d12	13.980	240	254741	20.000	ng	0.00
86) Perylene-d12	15.451	264	271825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	557357	72.328	ng	0.00
7) Phenol-d6	6.428	99	699574	71.046	ng	-0.01
23) Nitrobenzene-d5	7.351	82	433151	50.068	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	202789	70.717	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	731258	46.428	ng	0.00
79) Terphenyl-d14	12.921	244	652944	35.254	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	57910	10.070	ng	# 78
25) Isophorone	7.351	82	431307	26.699	ng	# 64
48) 2-Nitroaniline	9.275	65	13823	2.929	ng	# 13
50) Dimethylphthalate	9.828	163	47626	2.748	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	31745	8.305	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	31745	6.715	ng	# 25
67) 4-Bromophenyl-phenylether	10.622	248	13102	2.568	ng	# 1
71) Phenanthrene	11.345	178	138222	5.965	ng	99
75) Fluoranthene	12.539	202	145235	6.615	ng	100
78) Pyrene	12.769	202	142592	5.279	ng	99
81) Benzo(a)anthracene	13.968	228	52872	3.042	ng	100
83) Chrysene	14.004	228	58535	3.413	ng	97
88) Benzo(b)fluoranthene	15.021	252	76311	4.976	ng	98
89) Benzo(k)fluoranthene	15.021	252	76311	5.067	ng	# 97
90) Benzo(a)pyrene	15.386	252	40477	2.644	ng	98

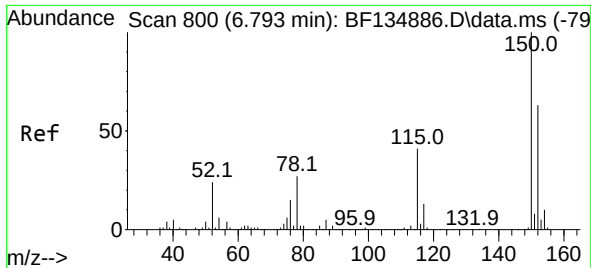
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134919.D
Acq On : 24 Aug 2023 12:28
Operator : CG\JU
Sample : 04090-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-K

Quant Time: Aug 25 01:17:39 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

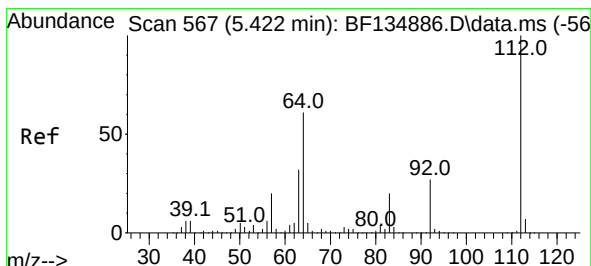
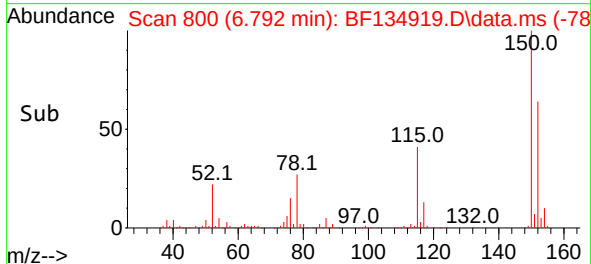
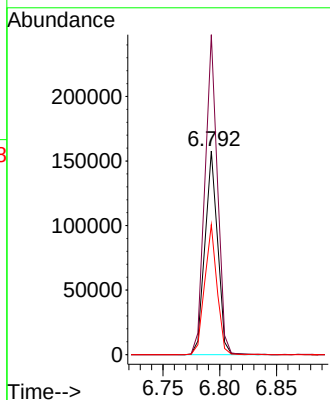
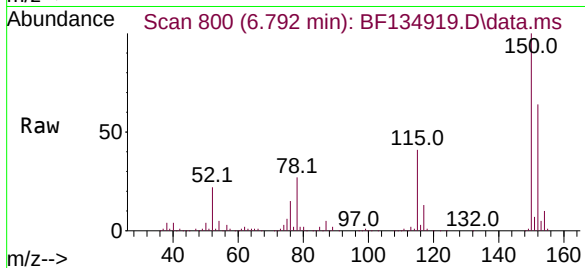




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. -0.001 min
 Lab File: BF134919.D
 Acq: 24 Aug 2023 12:28

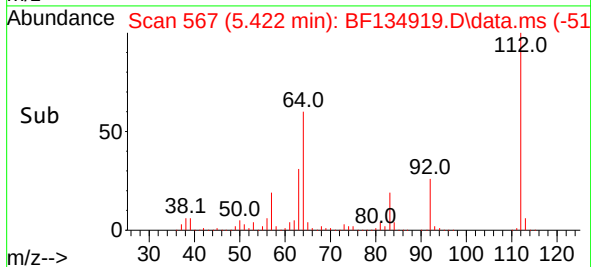
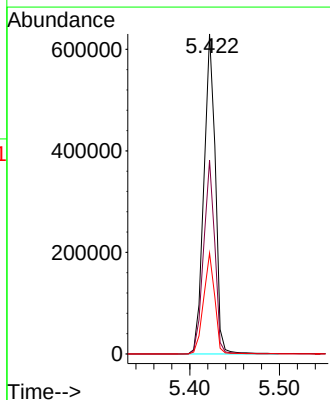
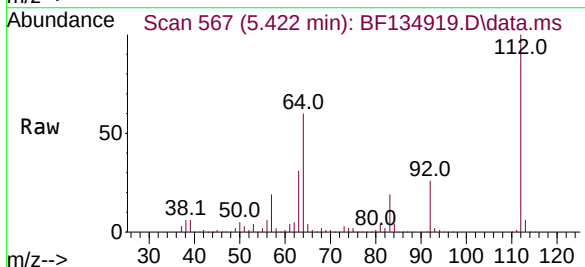
Instrument :
 BNA_F
 ClientSampleId :
 TP-K

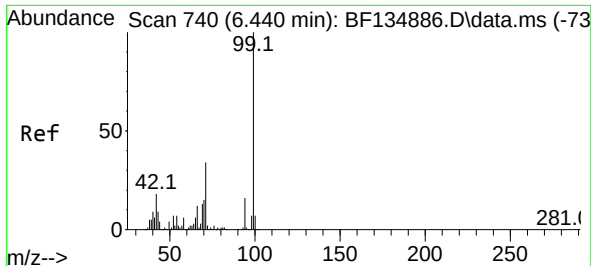
Tgt Ion:152 Resp: 122883
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.1 189.1
 115 63.8 51.1 76.7



#5
 2-Fluorophenol
 Concen: 72.328 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.000 min
 Lab File: BF134919.D
 Acq: 24 Aug 2023 12:28

Tgt Ion:112 Resp: 557357
 Ion Ratio Lower Upper
 112 100
 64 60.5 48.6 73.0
 63 31.5 25.7 38.5

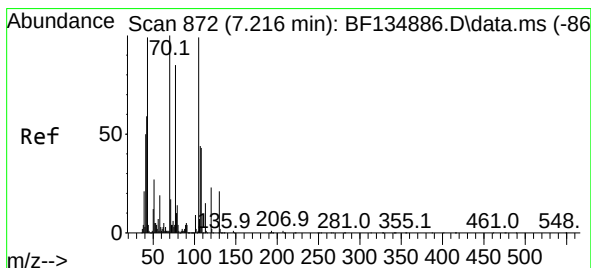
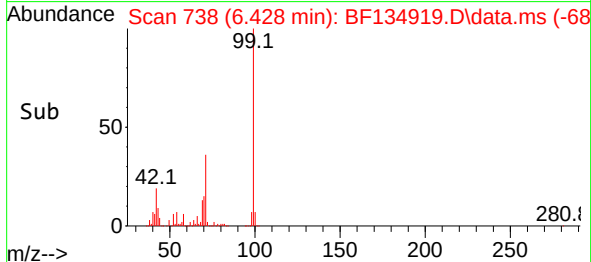
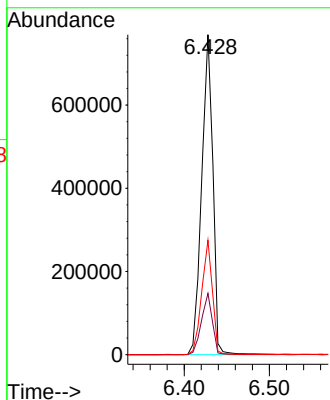
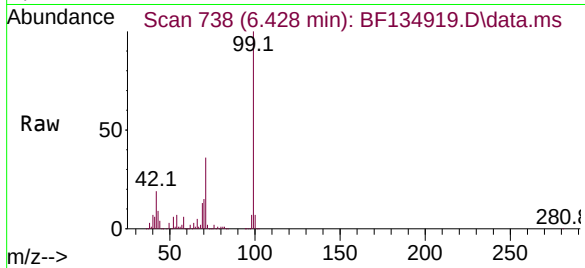




#7
Phenol-d6
Concen: 71.046 ng
RT: 6.428 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

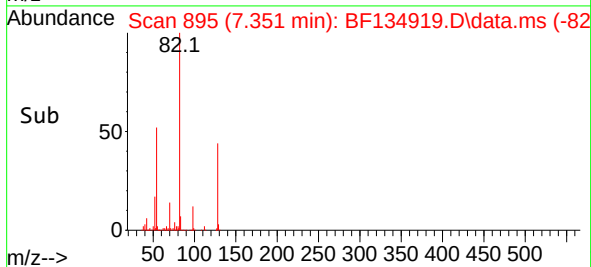
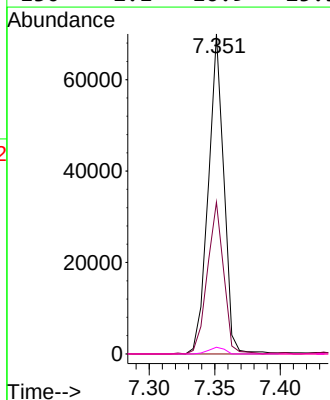
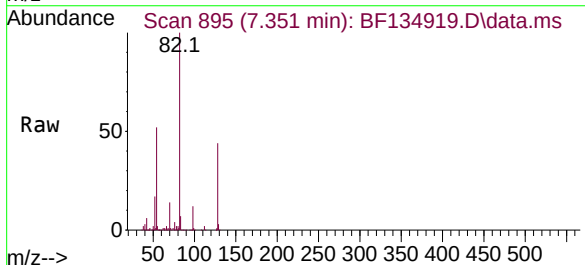
Instrument :
BNA_F
ClientSampleId :
TP-K

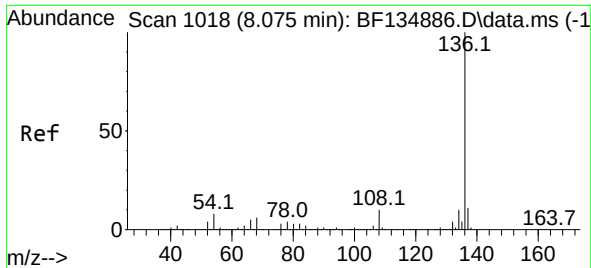
Tgt Ion: 99 Resp: 699574
Ion Ratio Lower Upper
99 100
42 19.1 14.6 22.0
71 35.7 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.070 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion: 70 Resp: 57910
Ion Ratio Lower Upper
70 100
42 47.4 46.9 70.3
101 0.0 7.5 11.3#
130 2.1 16.9 25.3#



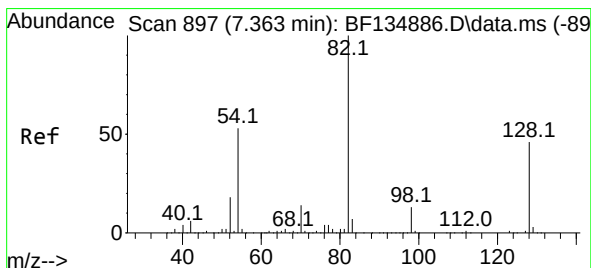
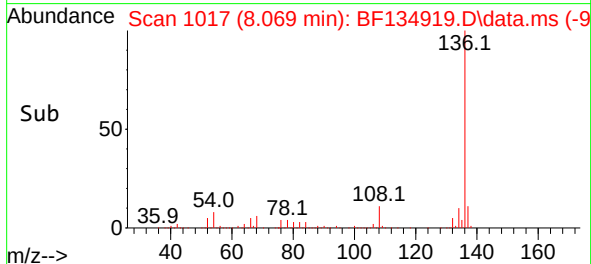
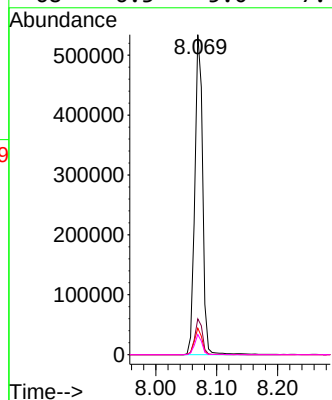
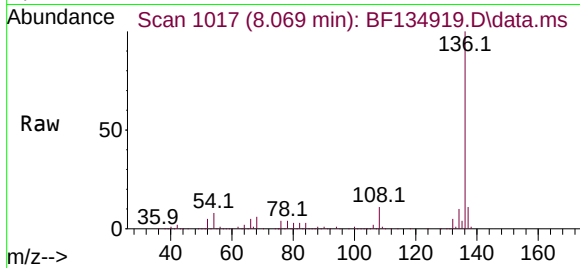


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Instrument :
BNA_F
ClientSampleId :
TP-K

Tgt Ion:136 Resp: 476712

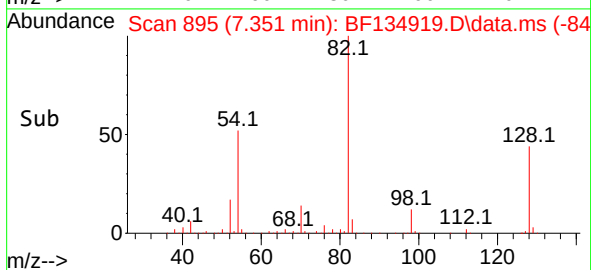
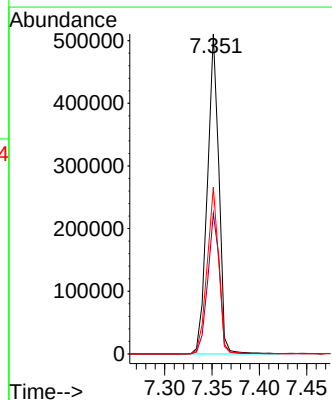
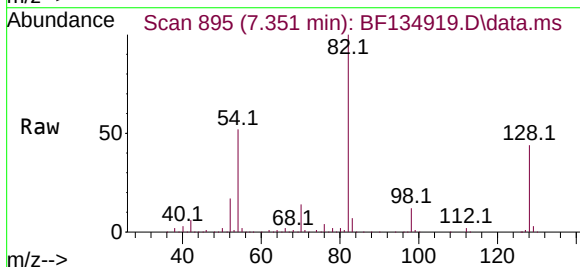
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.3	6.6	9.8
68	6.3	5.0	7.4

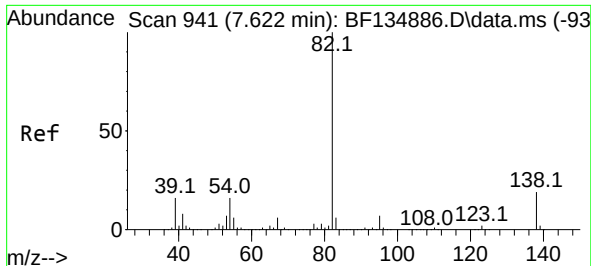


#23
Nitrobenzene-d5
Concen: 50.068 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion: 82 Resp: 433151

Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.6	54.8
54	52.1	42.6	63.8

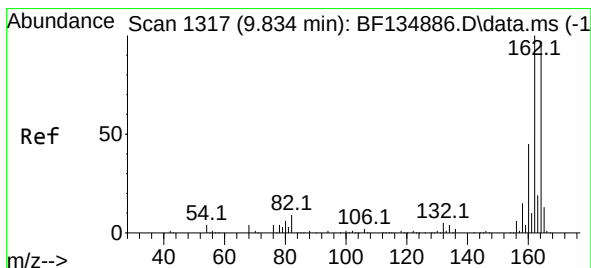
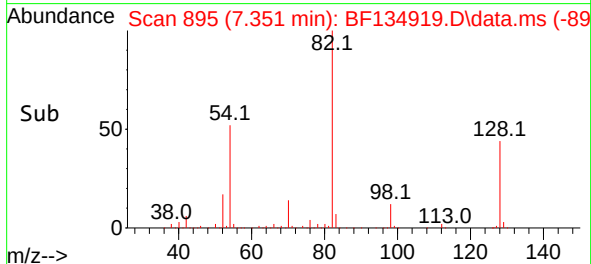
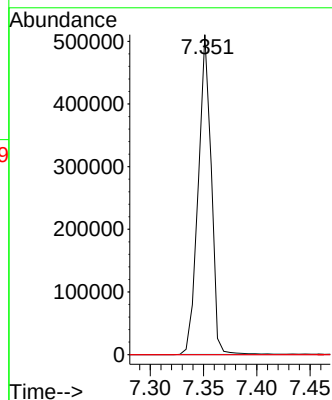
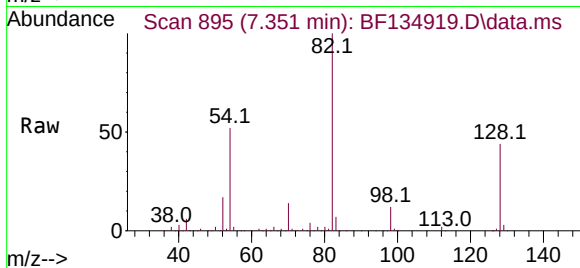




#25
Isophorone
Concen: 26.699 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

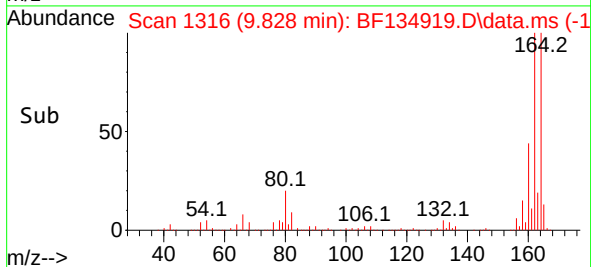
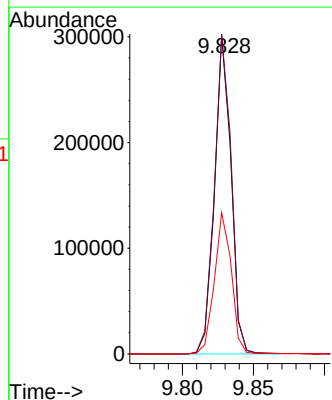
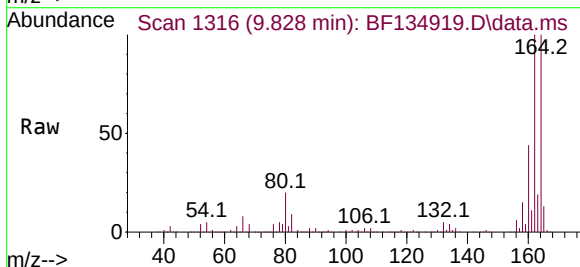
Instrument :
BNA_F
ClientSampleId :
TP-K

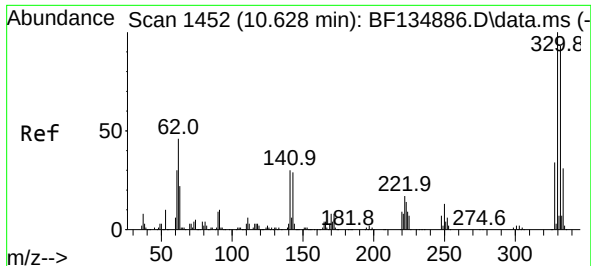
Tgt Ion: 82 Resp: 431307
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion:164 Resp: 243482
Ion Ratio Lower Upper
164 100
162 100.3 82.6 123.8
160 44.2 37.0 55.4

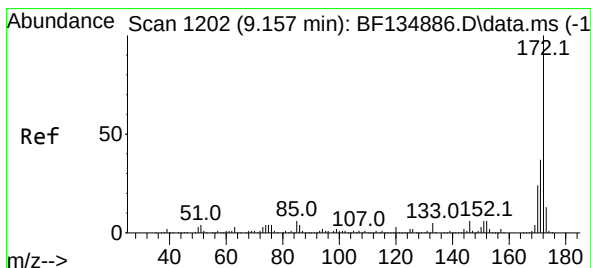
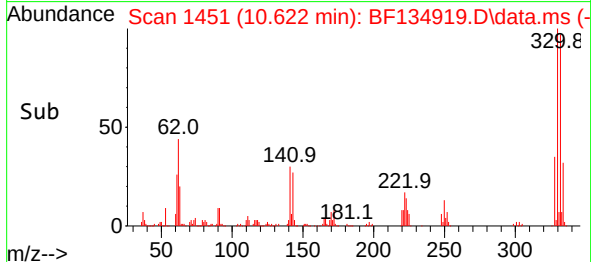
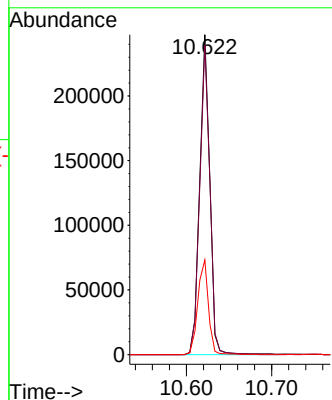
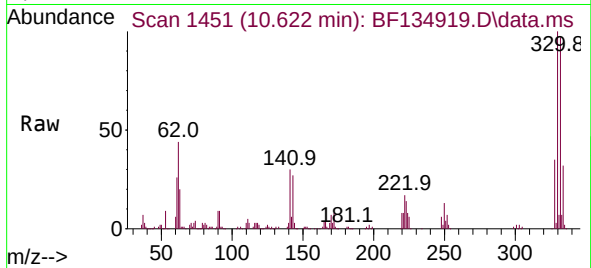




#42
 2,4,6-Tribromophenol
 Concen: 70.717 ng
 RT: 10.622 min Scan# 1452
 Delta R.T. -0.006 min
 Lab File: BF134919.D
 Acq: 24 Aug 2023 12:28

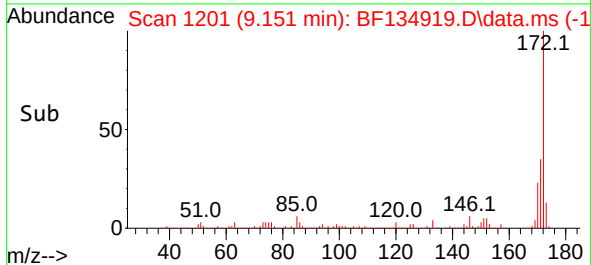
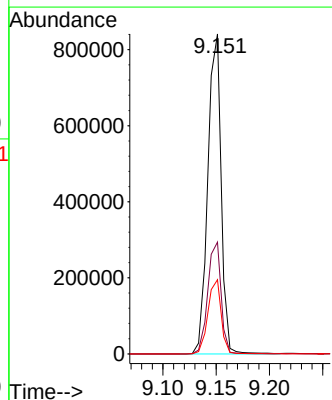
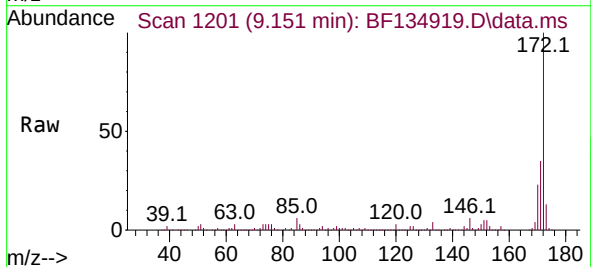
Instrument :
 BNA_F
 ClientSampleId :
 TP-K

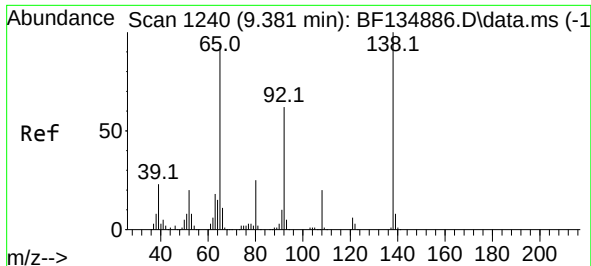
Tgt Ion: 330 Resp: 202789
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.3 114.5
 141 31.3 23.4 35.2



#45
 2-Fluorobiphenyl
 Concen: 46.428 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. -0.006 min
 Lab File: BF134919.D
 Acq: 24 Aug 2023 12:28

Tgt Ion: 172 Resp: 731258
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.4 44.0
 170 23.2 19.6 29.4

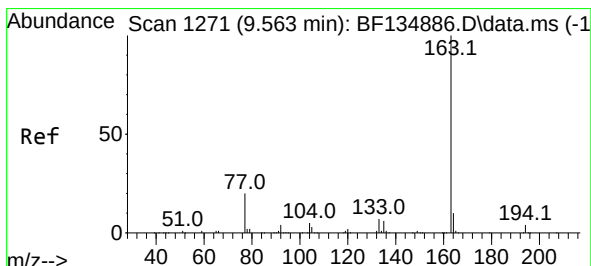
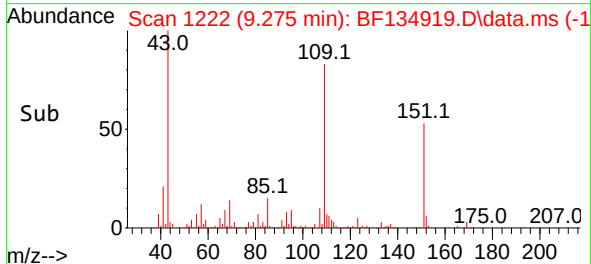
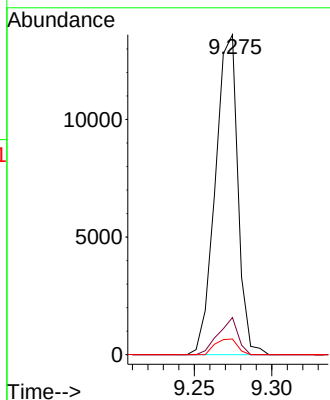
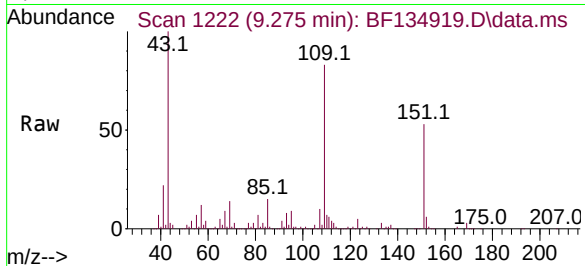




#48
2-Nitroaniline
Concen: 2.929 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

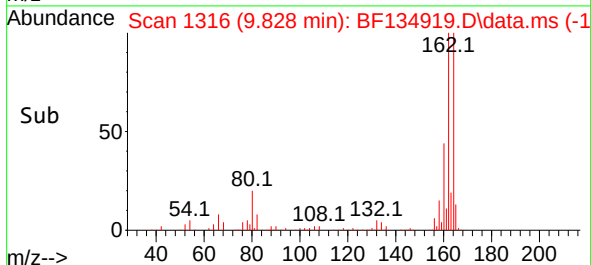
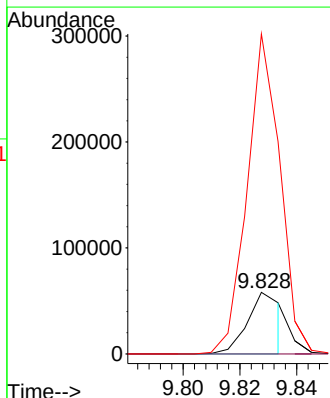
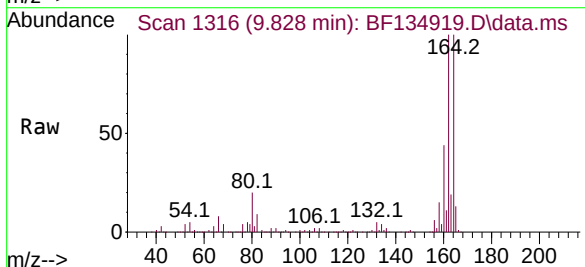
Instrument :
BNA_F
ClientSampleId :
TP-K

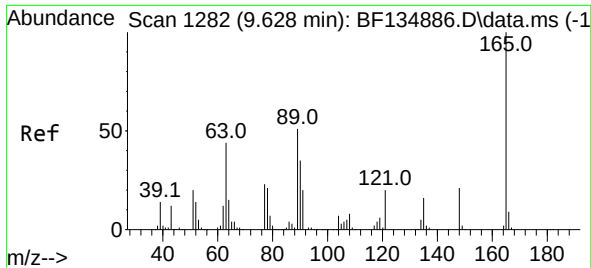
Tgt Ion: 65 Resp: 13823
Ion Ratio Lower Upper
65 100
92 11.6 53.8 80.8#
138 4.9 86.5 129.7#



#50
Dimethylphthalate
Concen: 2.748 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion: 163 Resp: 47626
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 520.0 8.2 12.4#





#51

2,6-Dinitrotoluene

Concen: 8.305 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K

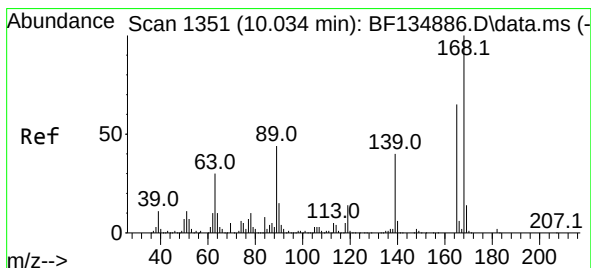
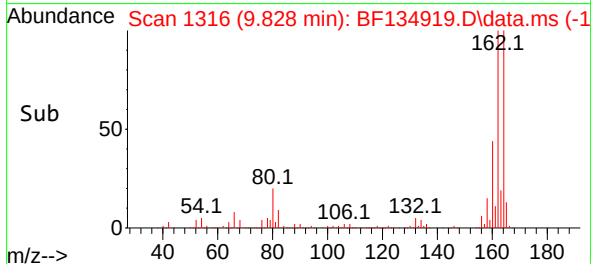
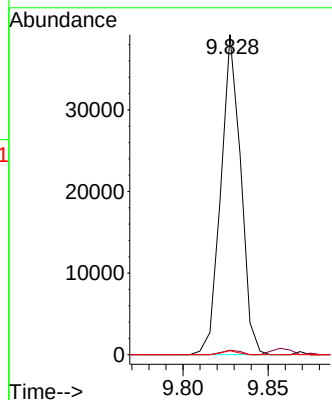
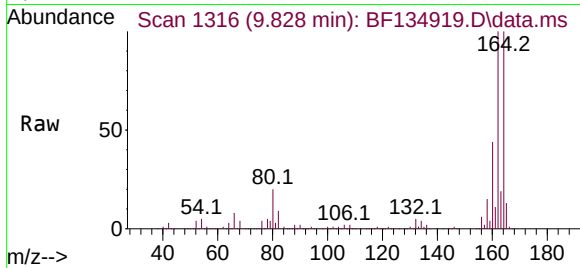
Tgt Ion:165 Resp: 31745

Ion Ratio Lower Upper

165 100

63 1.4 41.4 62.2#

89 1.2 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.715 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.206 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Tgt Ion:165 Resp: 31745

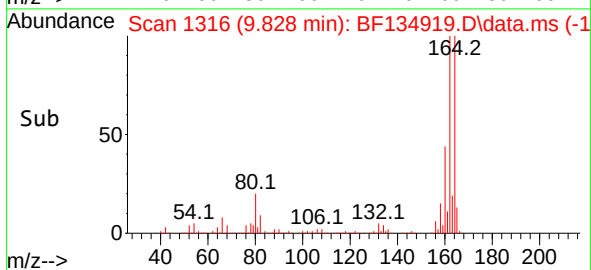
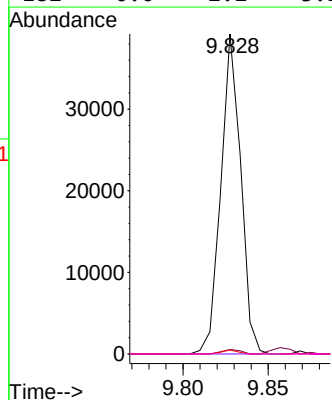
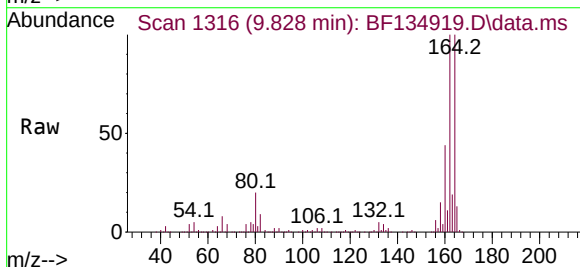
Ion Ratio Lower Upper

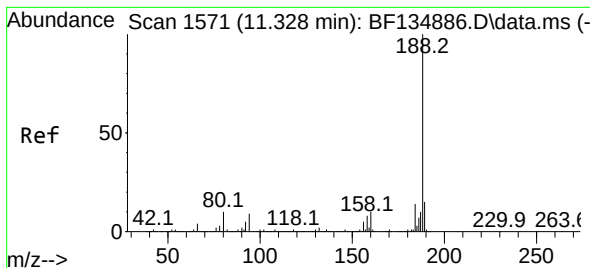
165 100

63 1.4 37.7 56.5#

89 1.2 54.2 81.4#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K

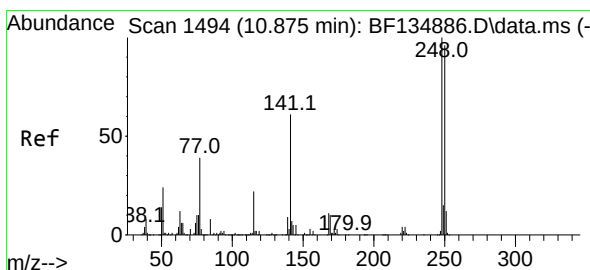
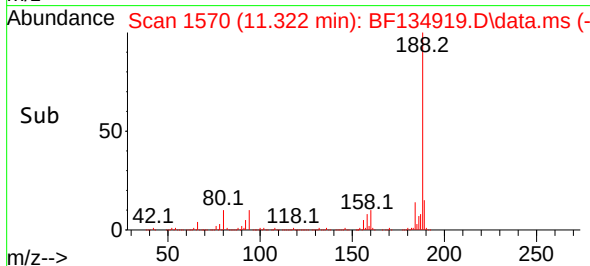
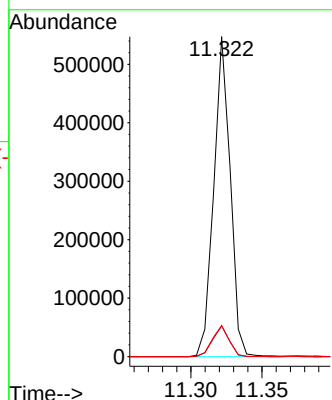
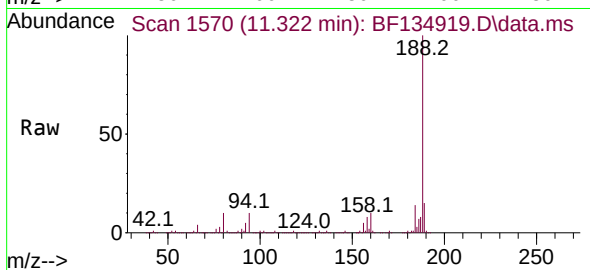
Tgt Ion:188 Resp: 442223

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 9.7 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.568 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.253 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

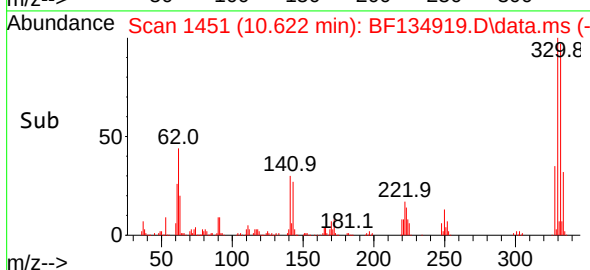
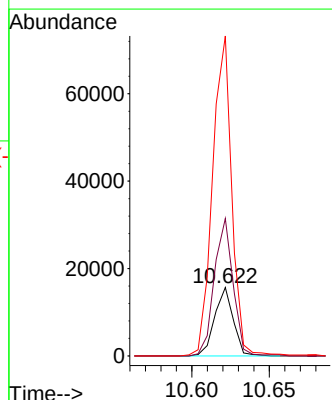
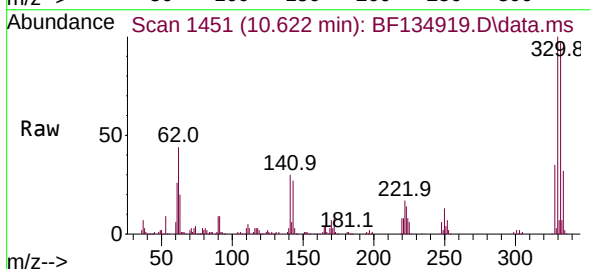
Tgt Ion:248 Resp: 13102

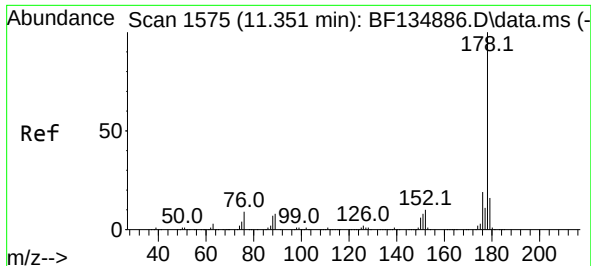
Ion Ratio Lower Upper

248 100

250 201.0 77.1 115.7#

141 468.0 49.0 73.4#

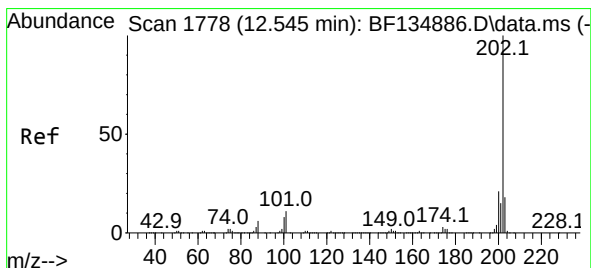
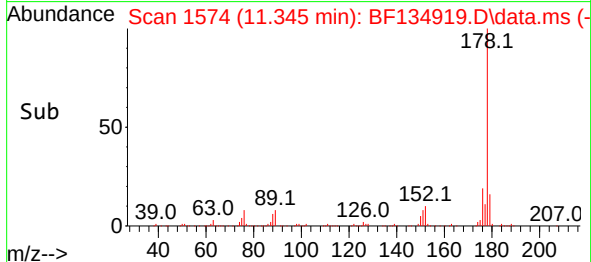
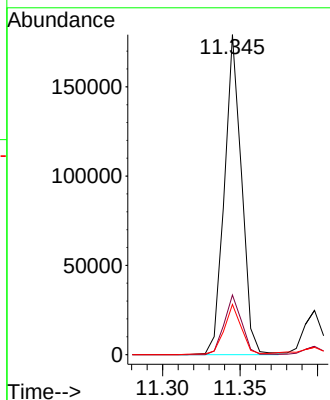
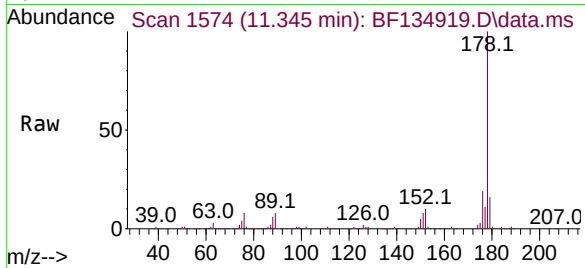




#71
Phenanthrene
Concen: 5.965 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

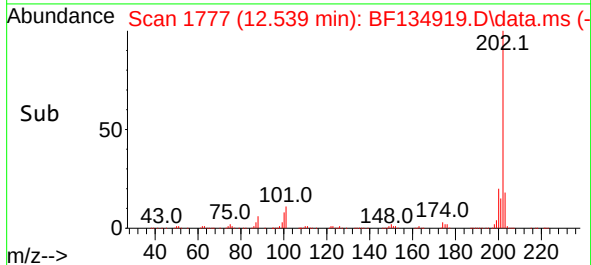
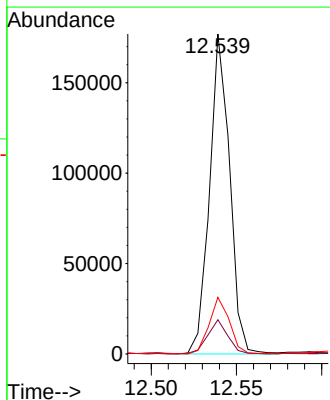
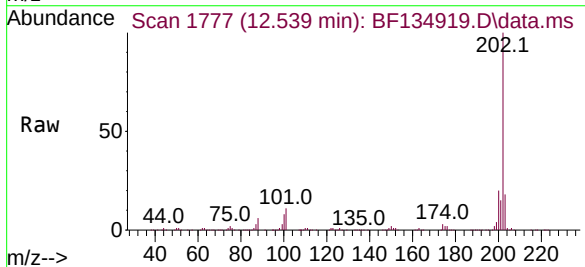
Instrument :
BNA_F
ClientSampleId :
TP-K

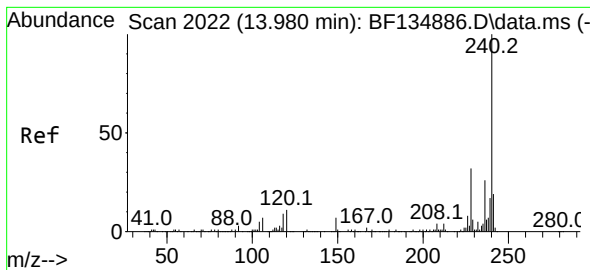
Tgt Ion:178 Resp: 138222
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.7 12.6 19.0



#75
Fluoranthene
Concen: 6.615 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion:202 Resp: 145235
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.5
203 17.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K

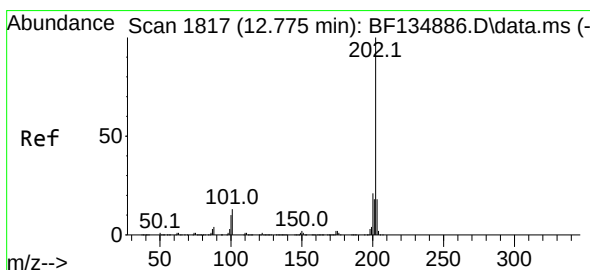
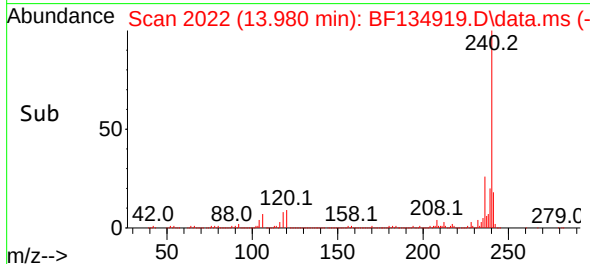
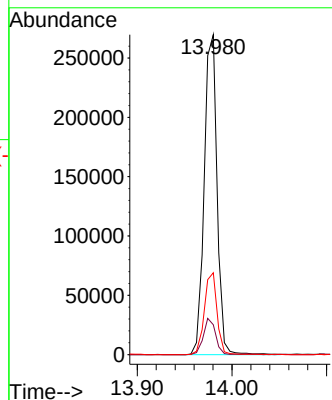
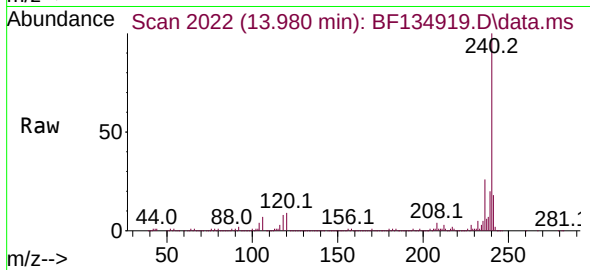
Tgt Ion:240 Resp: 254741

Ion Ratio Lower Upper

240 100

120 9.3 8.6 12.8

236 25.6 20.6 31.0



#78

Pyrene

Concen: 5.279 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

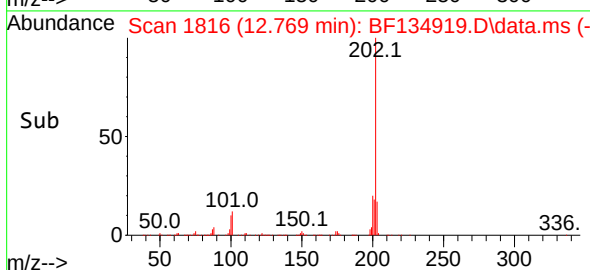
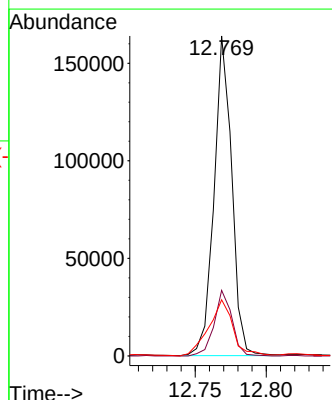
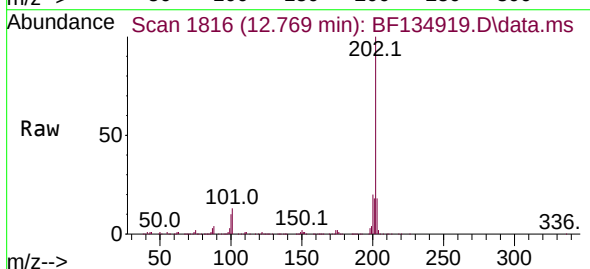
Tgt Ion:202 Resp: 142592

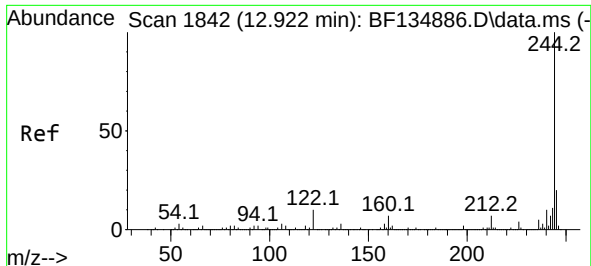
Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.5 14.2 21.2

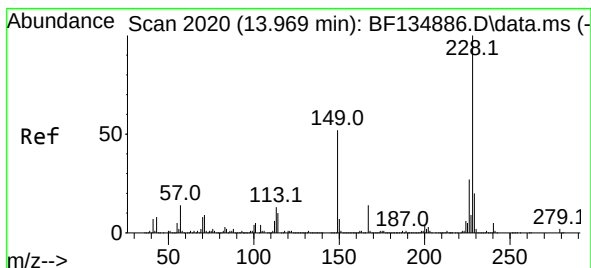
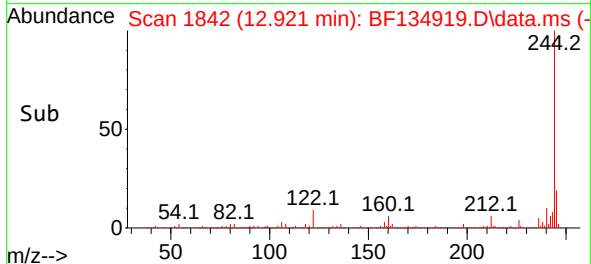
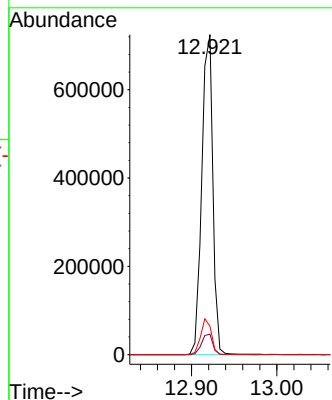
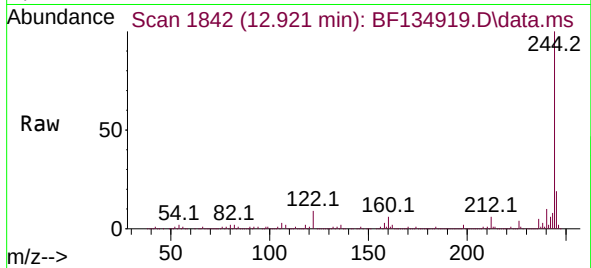




#79
 Terphenyl-d14
 Concen: 35.254 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.001 min
 Lab File: BF134919.D
 Acq: 24 Aug 2023 12:28

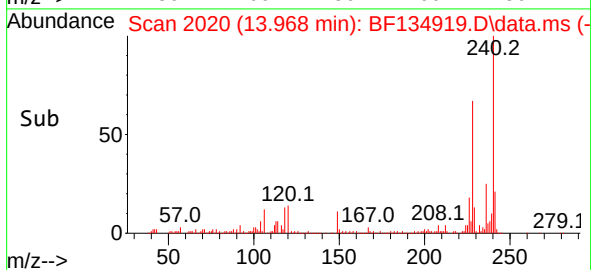
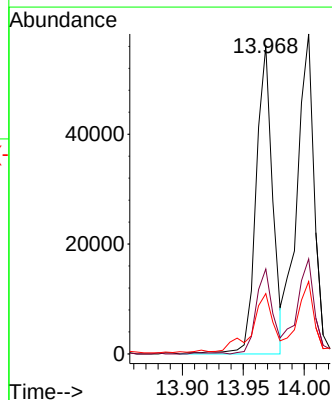
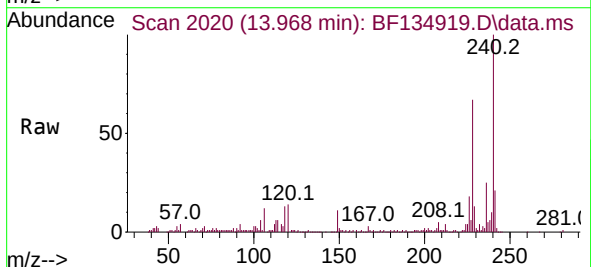
Instrument :
 BNA_F
 ClientSampleId :
 TP-K

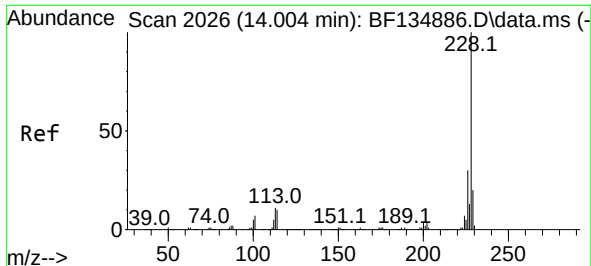
Tgt Ion:244 Resp: 652944
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.9 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 3.042 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: BF134919.D
 Acq: 24 Aug 2023 12:28

Tgt Ion:228 Resp: 52872
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.8 32.6
 229 19.6 15.6 23.4

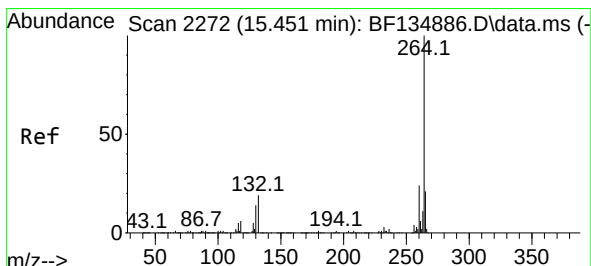
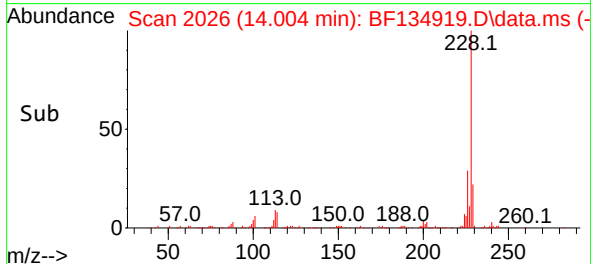
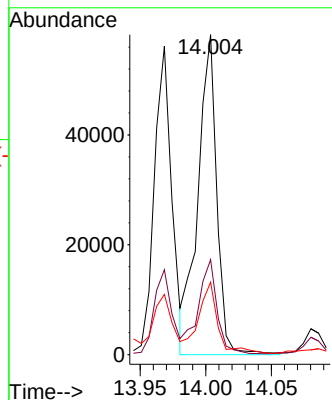
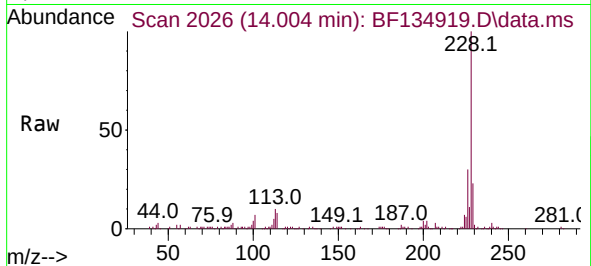




#83
Chrysene
Concen: 3.413 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

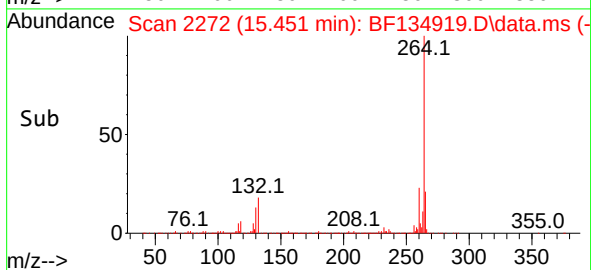
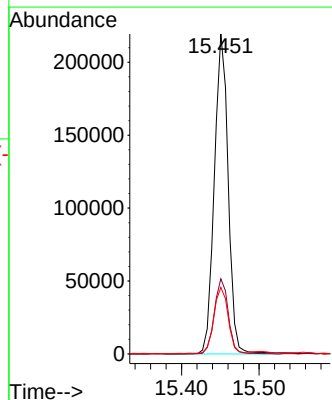
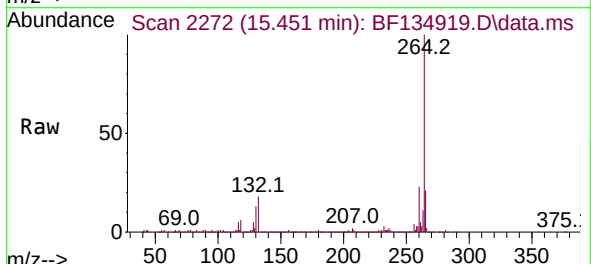
Instrument :
BNA_F
ClientSampleId :
TP-K

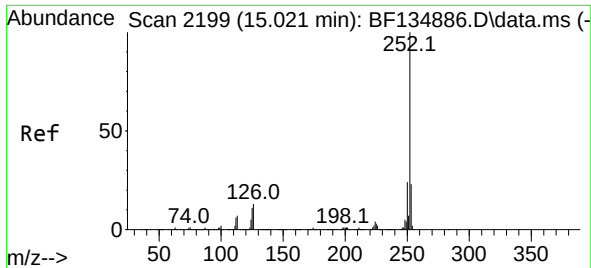
Tgt Ion:228 Resp: 58535
Ion Ratio Lower Upper
228 100
226 29.7 24.2 36.2
229 22.6 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion:264 Resp: 271825
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 20.8 17.1 25.7

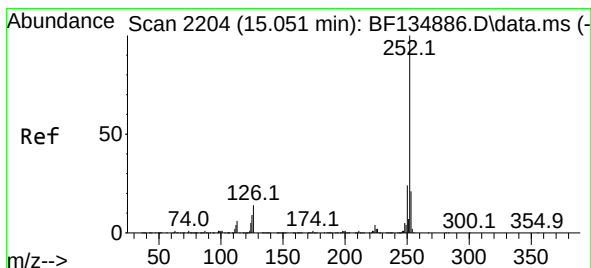
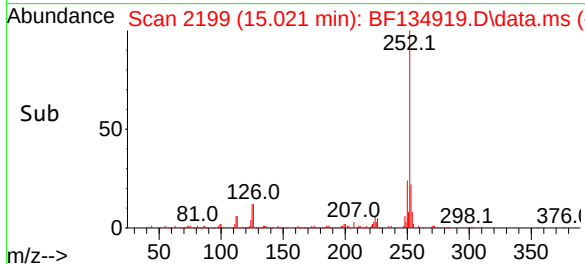
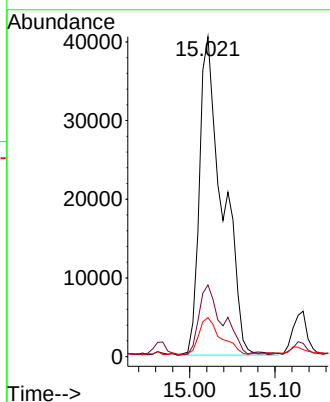
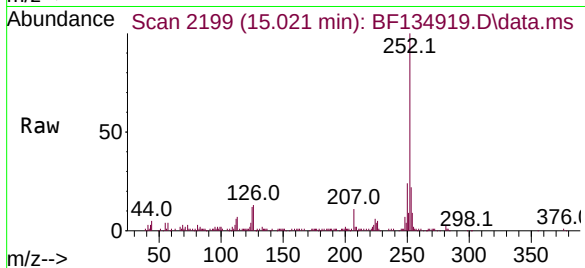




#88
Benzo(b)fluoranthene
Concen: 4.976 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

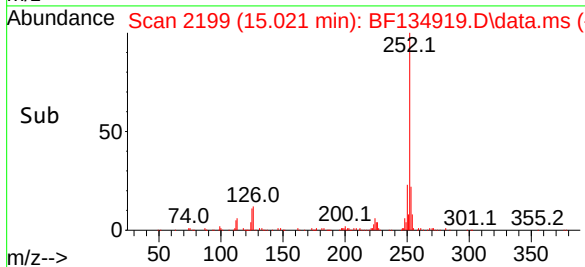
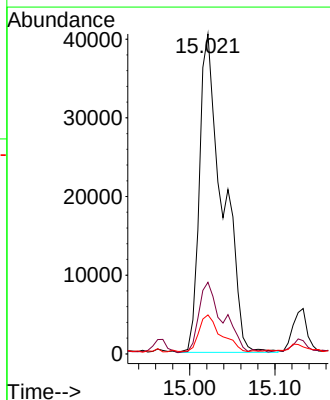
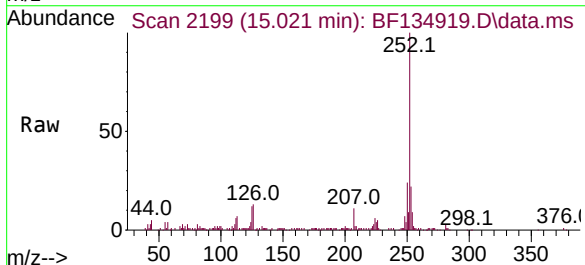
Instrument :
BNA_F
ClientSampleId :
TP-K

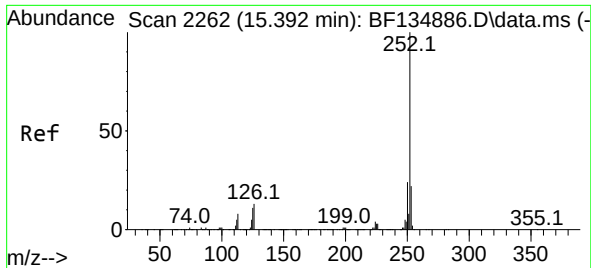
Tgt Ion:252 Resp: 76311
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.2 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 5.067 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.030 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

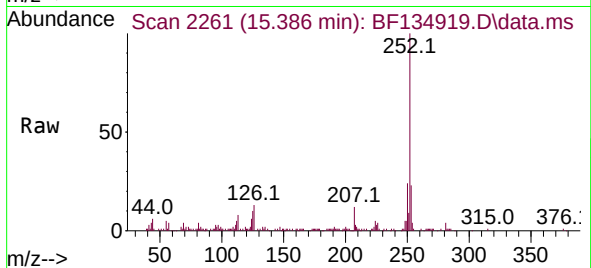
Tgt Ion:252 Resp: 76311
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 12.2 8.0 12.0#





#90
 Benzo(a)pyrene
 Concen: 2.644 ng
 RT: 15.386 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF134919.D
 Acq: 24 Aug 2023 12:28

Instrument :
 BNA_F
 ClientSampleId :
 TP-K



Tgt Ion:	252	Resp:	40477
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	10.1	8.4	12.6

