

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134920.D
 Acq On : 24 Aug 2023 13:00
 Operator : CG\JU
 Sample : 04119-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21153

Quant Time: Aug 25 01:18:00 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)

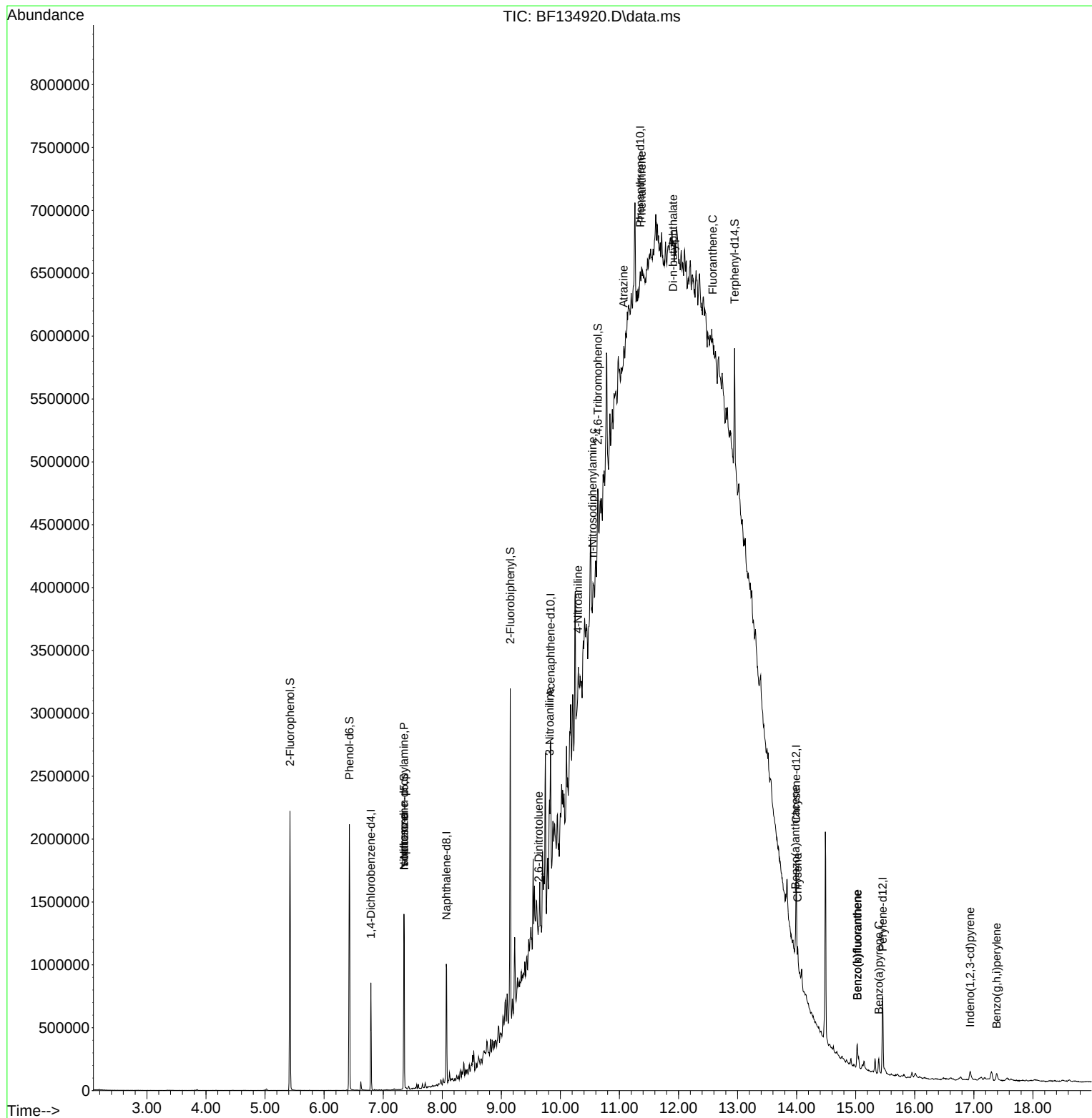
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	110986	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	415564	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	173125	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	164180	20.000	ng	# 0.02
76) Chrysene-d12	13.992	240	234230	20.000	ng	0.01
86) Perylene-d12	15.457	264	286883	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	578407	83.106	ng	0.00
7) Phenol-d6	6.428	99	713091	80.182	ng	-0.01
23) Nitrobenzene-d5	7.351	82	437952	58.072	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	140741	69.025	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	739416	66.025	ng	0.00
79) Terphenyl-d14	12.951	244	524341	30.789	ng	0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	57408	11.053	ng	# 79
20) 3+4-Methylphenols	7.375	107	62	Below Cal		# 1
25) Isophorone	7.351	82	437644	31.078	ng	# 64
51) 2,6-Dinitrotoluene	9.633	165	7891	2.903	ng	# 35
53) 3-Nitroaniline	9.816	138	6788	2.287	ng	# 29
62) 4-Nitroaniline	10.298	138	20203	7.280	ng	93
66) n-Nitrosodiphenylamine	10.545	169	16064	3.038	ng	# 55
69) Atrazine	11.069	200	7205	5.019	ng	# 1
71) Phenanthrene	11.374	178	31346	3.643	ng	# 1
74) Di-n-butylphthalate	11.910	149	24503	2.941	ng	# 28
75) Fluoranthene	12.580	202	69239	8.494	ng	73
81) Benzo(a)anthracene	13.980	228	47885	2.996	ng	# 90
83) Chrysene	14.015	228	63724	4.041	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.939	276	46689	2.277	ng	98
88) Benzo(b)fluoranthene	15.027	252	131783	8.142	ng	98
89) Benzo(k)fluoranthene	15.027	252	131783	8.291	ng	98
90) Benzo(a)pyrene	15.392	252	58892	3.645	ng	97
92) Benzo(g,h,i)perylene	17.386	276	47355	2.788	ng	95

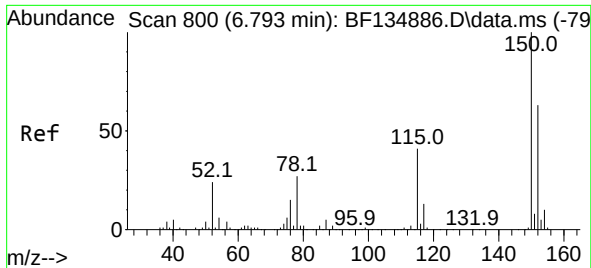
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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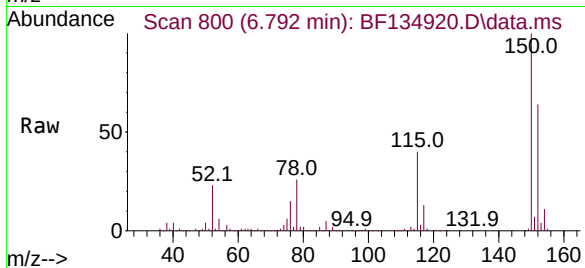
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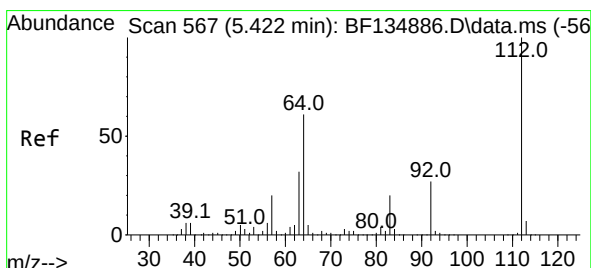
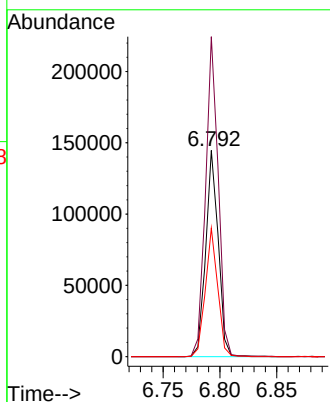
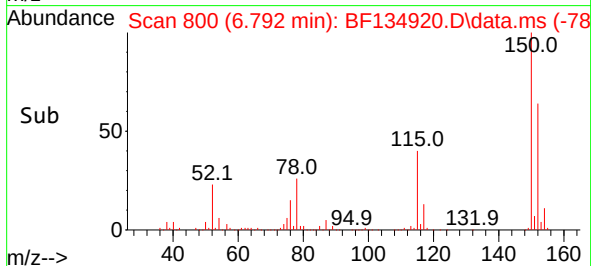


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

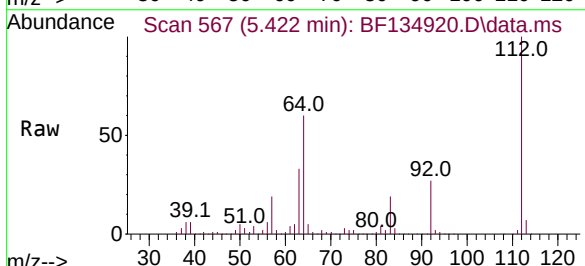
Instrument :
BNA_F
ClientSampleId :
RB21153



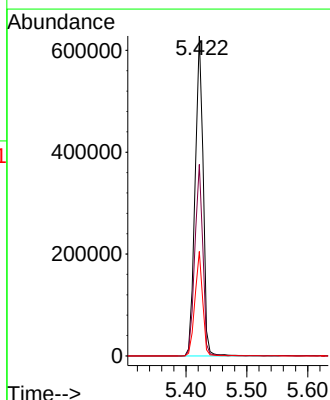
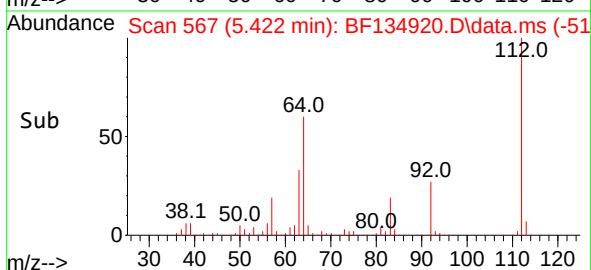
Tgt Ion:152 Resp: 110986
Ion Ratio Lower Upper
152 100
150 155.2 126.1 189.1
115 62.3 51.1 76.7

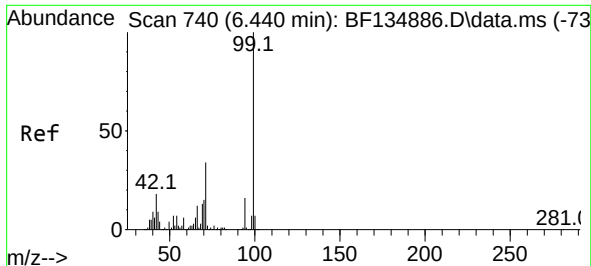


#5
2-Fluorophenol
Concen: 83.106 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00



Tgt Ion:112 Resp: 578407
Ion Ratio Lower Upper
112 100
64 59.8 48.6 73.0
63 32.6 25.7 38.5

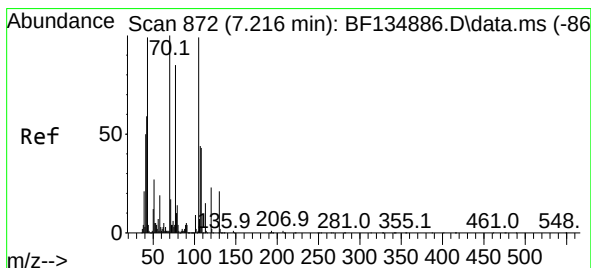
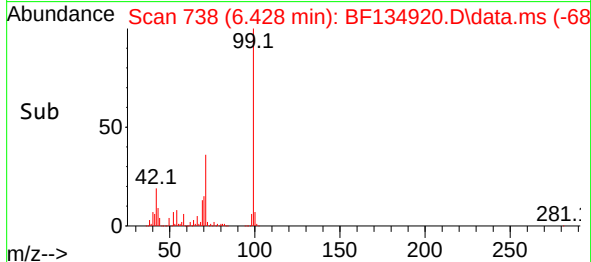
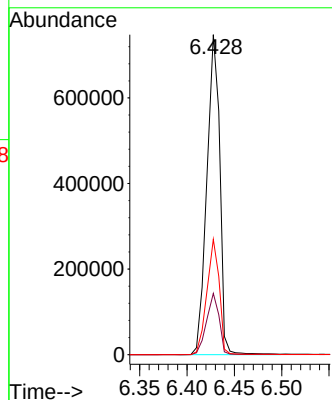
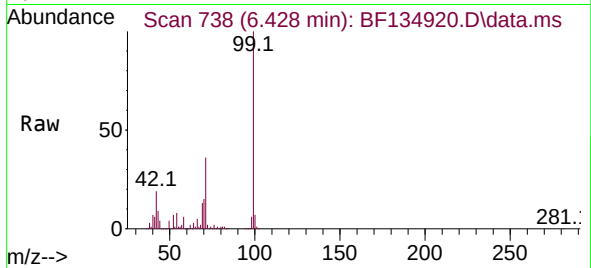




#7
Phenol-d6
Concen: 80.182 ng
RT: 6.428 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

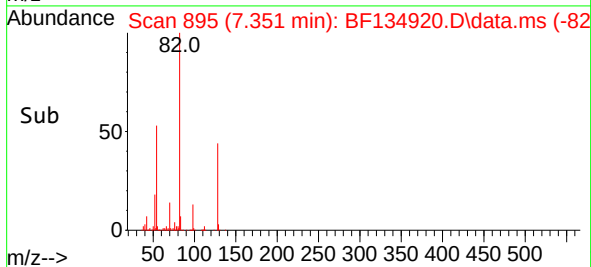
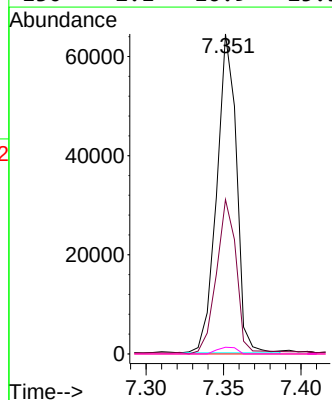
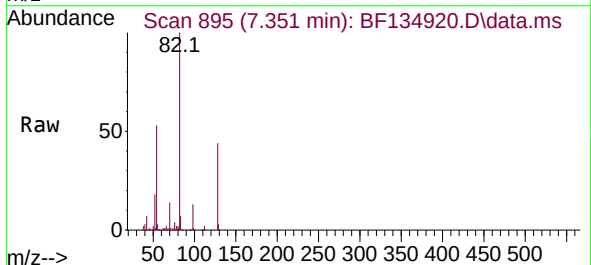
Instrument :
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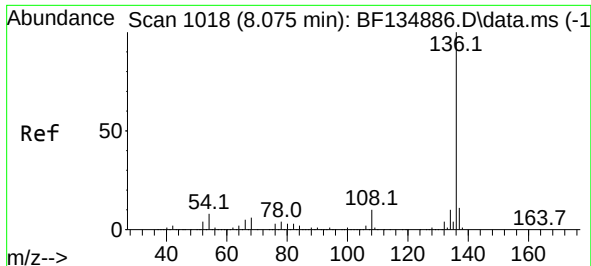
Tgt Ion: 99 Resp: 713091
Ion Ratio Lower Upper
99 100
42 19.1 14.6 22.0
71 36.0 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.053 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

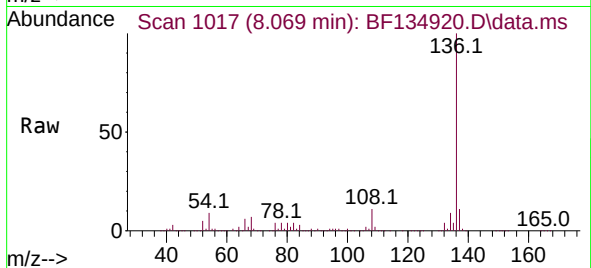
Tgt Ion: 70 Resp: 57408
Ion Ratio Lower Upper
70 100
42 48.2 46.9 70.3
101 0.0 7.5 11.3#
130 2.1 16.9 25.3#





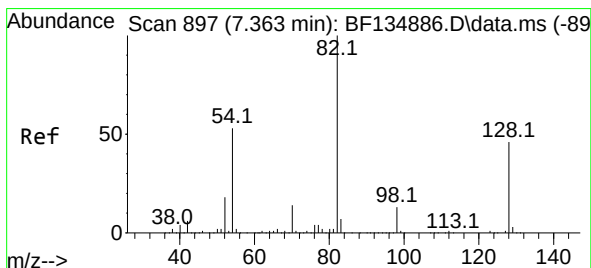
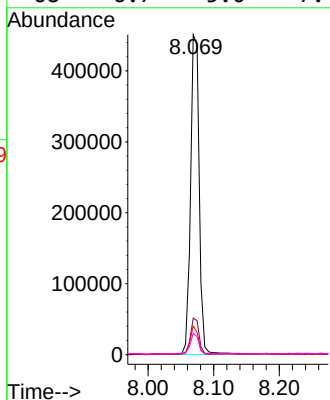
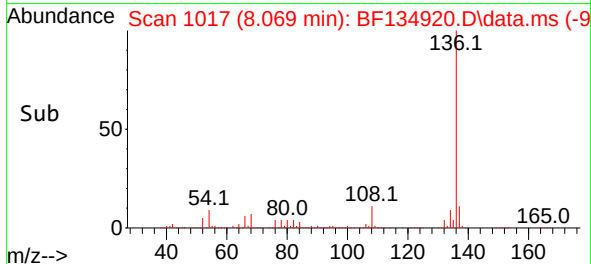
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

Instrument :
BNA_F
ClientSampleId :
RB21153

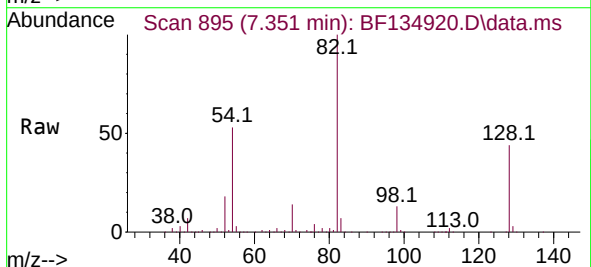


Tgt Ion:136 Resp: 415564

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	8.9	6.6	9.8
68	6.7	5.0	7.4

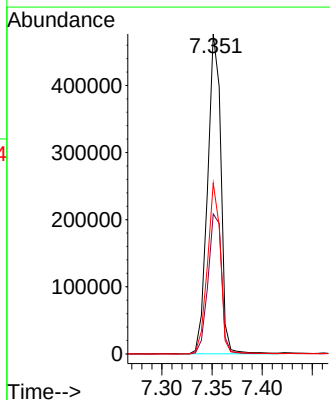
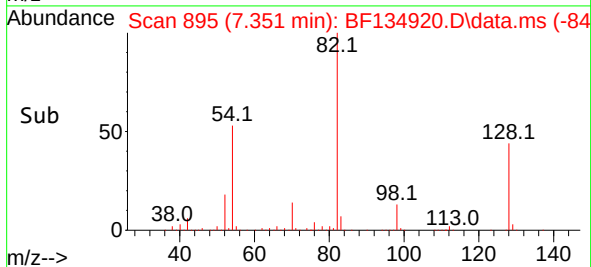


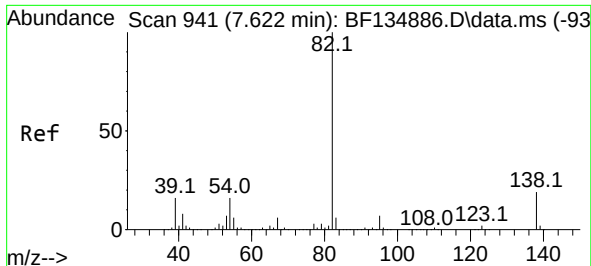
#23
Nitrobenzene-d5
Concen: 58.072 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00



Tgt Ion: 82 Resp: 437952

Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.6	54.8
54	53.3	42.6	63.8

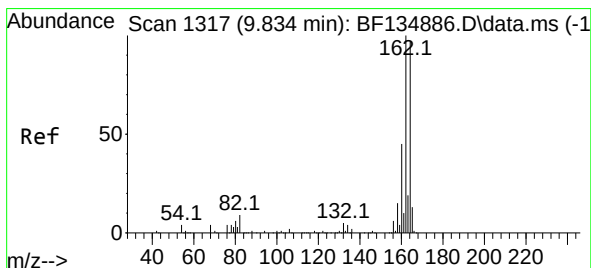
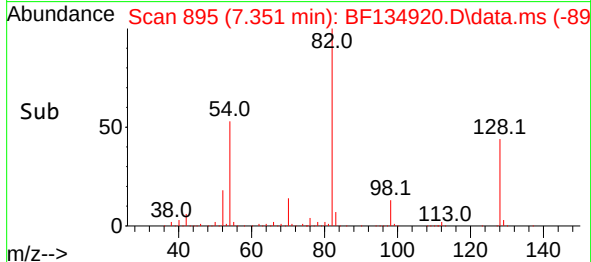
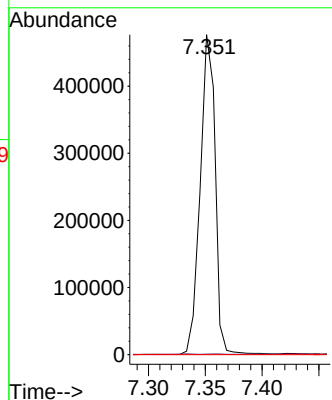
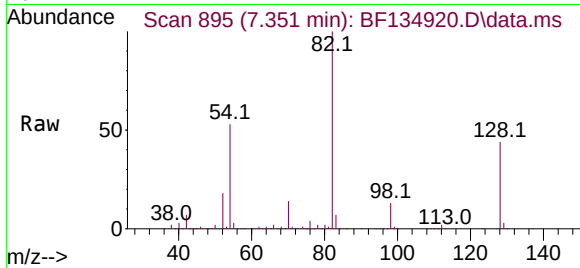




#25
Isophorone
Concen: 31.078 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

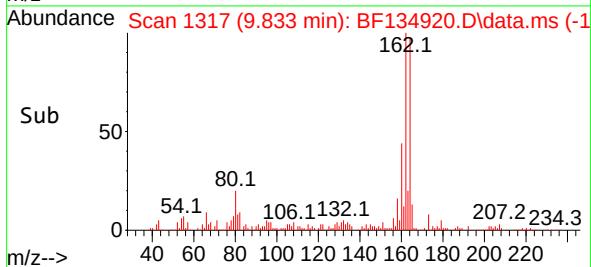
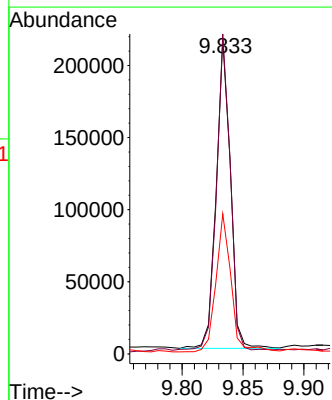
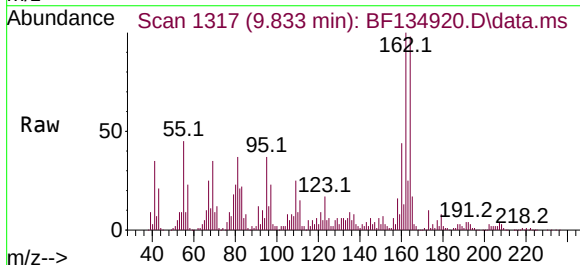
Instrument :
BNA_F
ClientSampleId :
RB21153

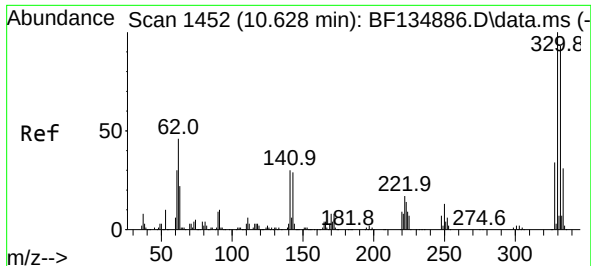
Tgt Ion: 82 Resp: 437644
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

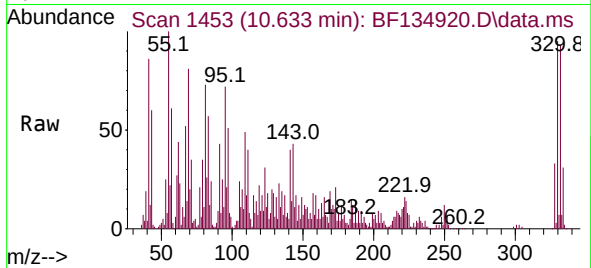
Tgt Ion:164 Resp: 173125
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 44.5 37.0 55.4



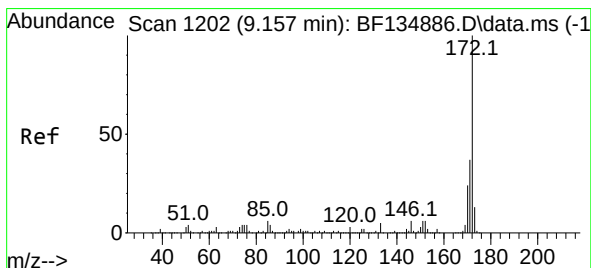
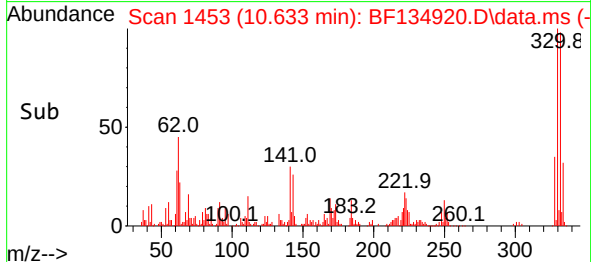
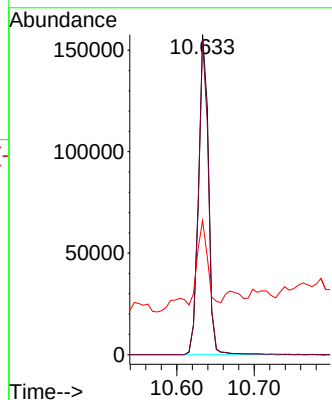


#42
2,4,6-Tribromophenol
Concen: 69.025 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

Instrument :
BNA_F
ClientSampleId :
RB21153

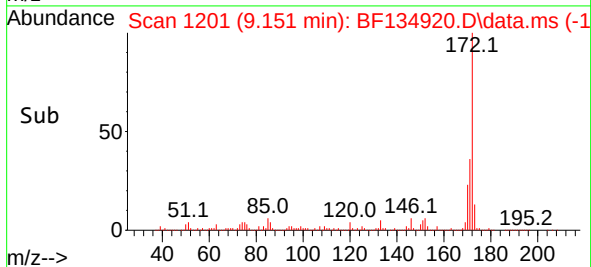
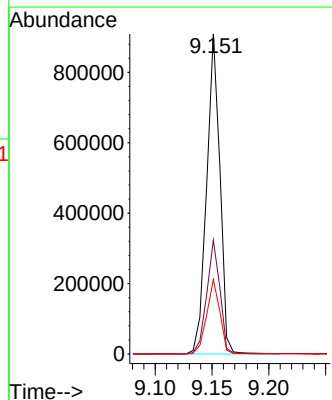
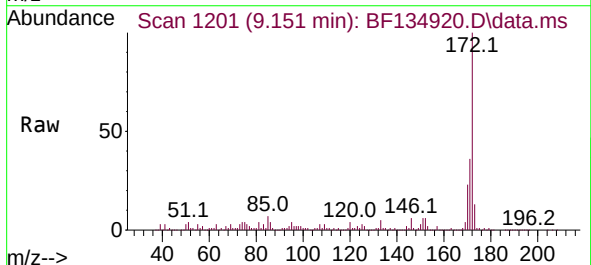


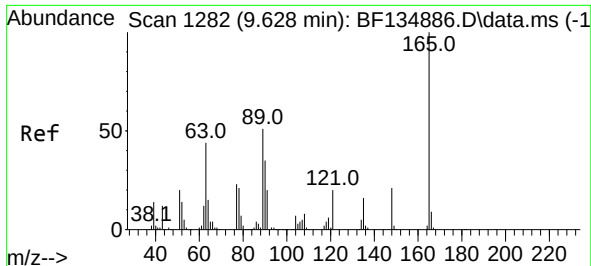
Tgt Ion:330 Resp: 140741
Ion Ratio Lower Upper
330 100
332 97.3 76.3 114.5
141 26.5 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 66.025 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

Tgt Ion:172 Resp: 739416
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.2 19.6 29.4





#51

2,6-Dinitrotoluene

Concen: 2.903 ng

RT: 9.633 min Scan# 11

Delta R.T. 0.005 min

Lab File: BF134920.D

Acq: 24 Aug 2023 13:00

Instrument :

BNA_F

ClientSampleId :

RB21153

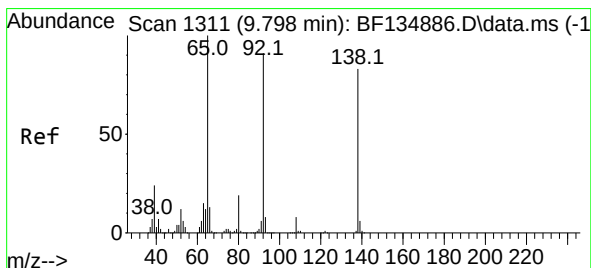
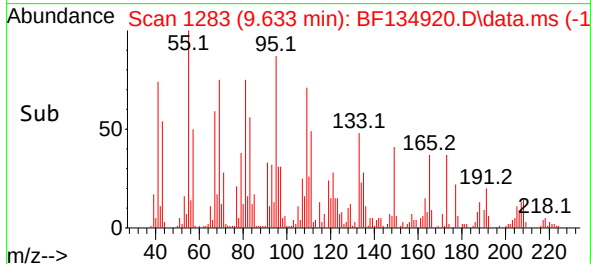
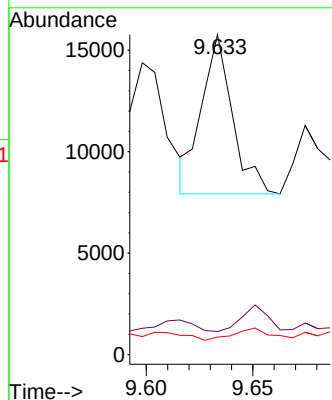
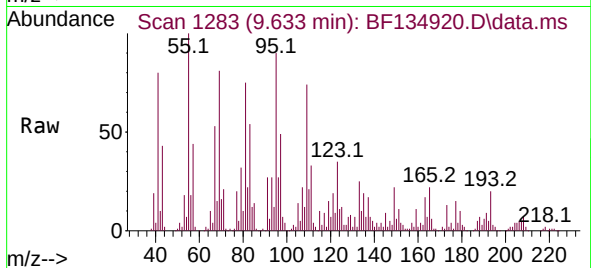
Tgt Ion:165 Resp: 7891

Ion Ratio Lower Upper

165 100

63 7.2 41.4 62.2#

89 5.5 40.9 61.3#



#53

3-Nitroaniline

Concen: 2.287 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.017 min

Lab File: BF134920.D

Acq: 24 Aug 2023 13:00

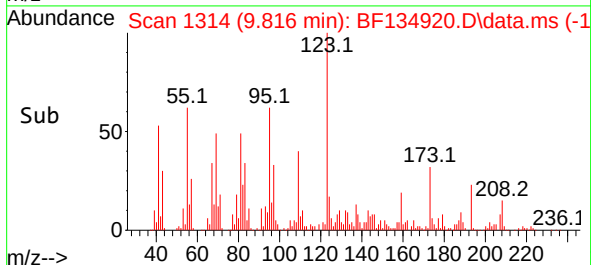
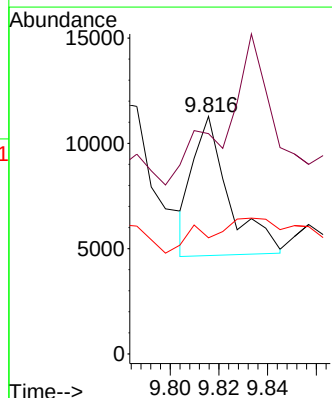
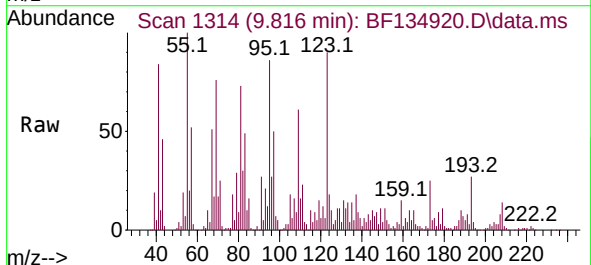
Tgt Ion:138 Resp: 6788

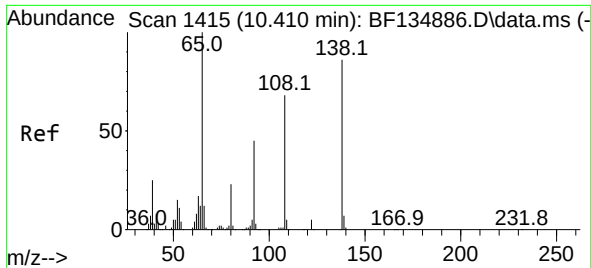
Ion Ratio Lower Upper

138 100

108 92.7 8.0 12.0#

92 48.9 87.6 131.4#

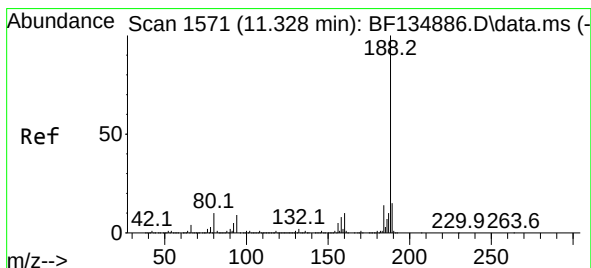
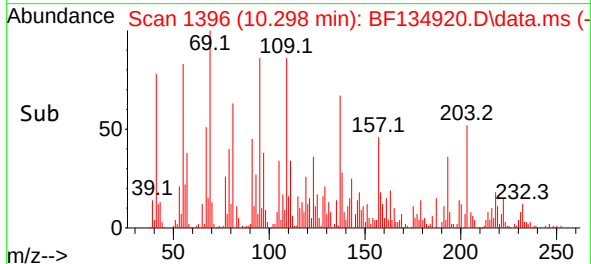
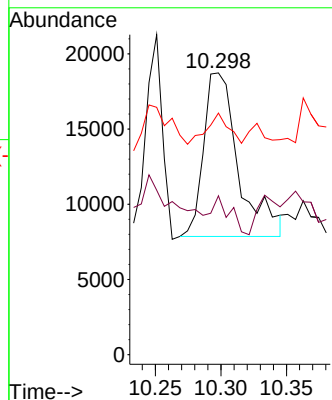
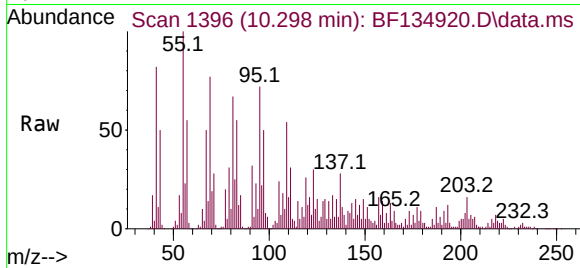




#62
4-Nitroaniline
Concen: 7.280 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.112 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

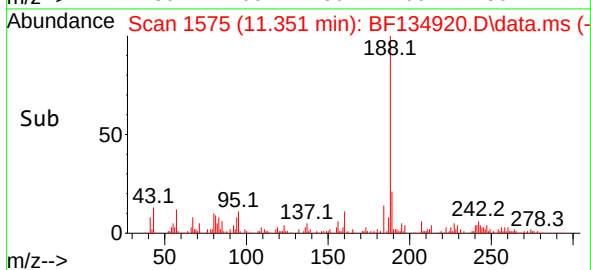
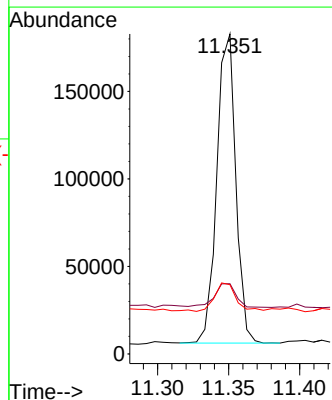
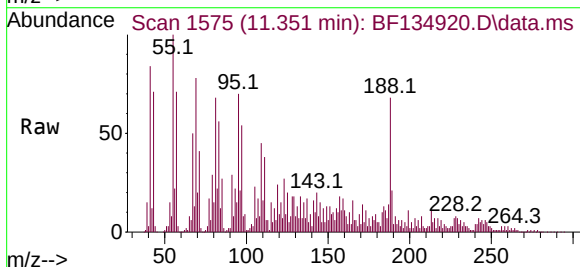
Instrument :
BNA_F
ClientSampleId :
RB21153

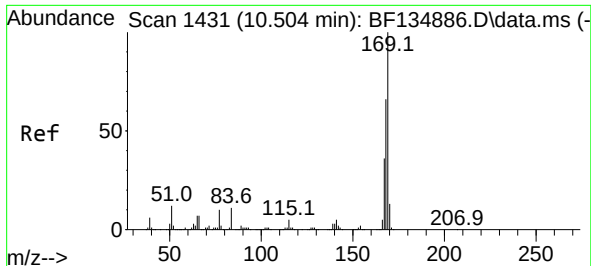
Tgt Ion:138 Resp: 20203
Ion Ratio Lower Upper
138 100
92 56.4 32.5 72.5
108 85.7 58.6 98.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.023 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

Tgt Ion:188 Resp: 164180
Ion Ratio Lower Upper
188 100
94 21.9 7.5 11.3#
80 21.6 7.8 11.6#

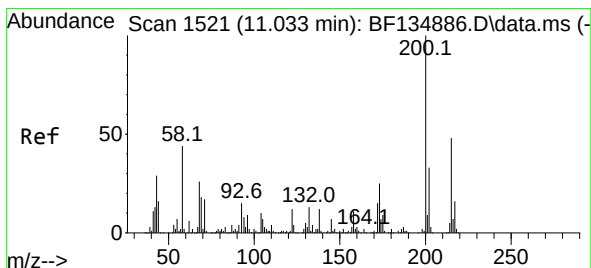
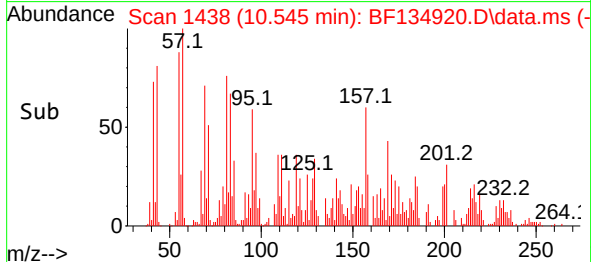
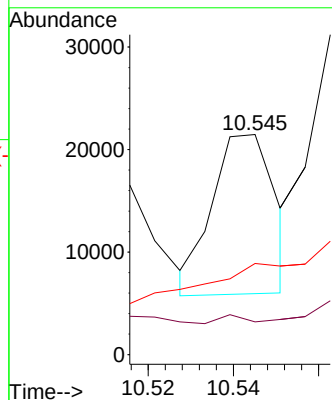
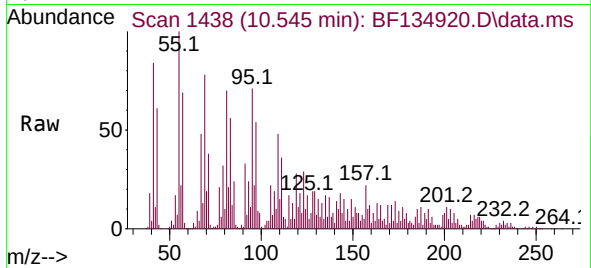




#66
n-Nitrosodiphenylamine
Concen: 3.038 ng
RT: 10.545 min Scan# 1431
Delta R.T. 0.041 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

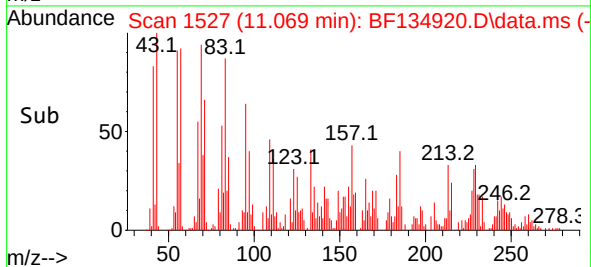
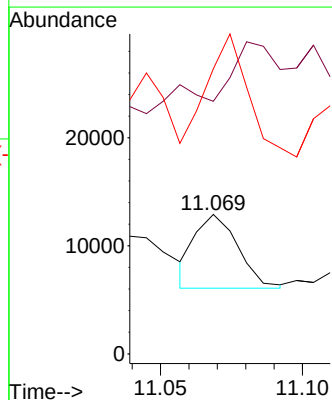
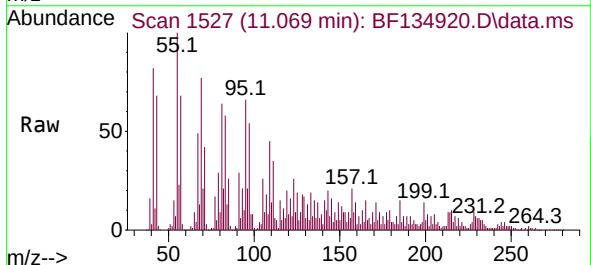
Instrument :
BNA_F
ClientSampleId :
RB21153

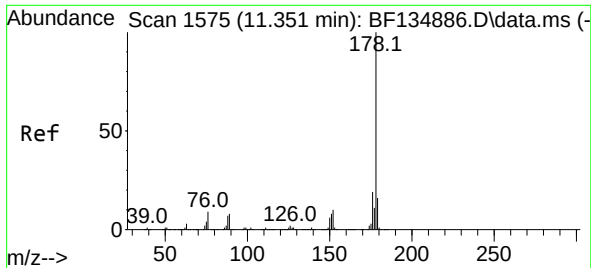
Tgt Ion:169 Resp: 16064
Ion Ratio Lower Upper
169 100
168 14.9 53.0 79.6#
167 41.4 29.0 43.6



#69
Atrazine
Concen: 5.019 ng
RT: 11.069 min Scan# 1527
Delta R.T. 0.036 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

Tgt Ion:200 Resp: 7205
Ion Ratio Lower Upper
200 100
173 181.2 5.3 45.3#
215 204.5 28.3 68.3#

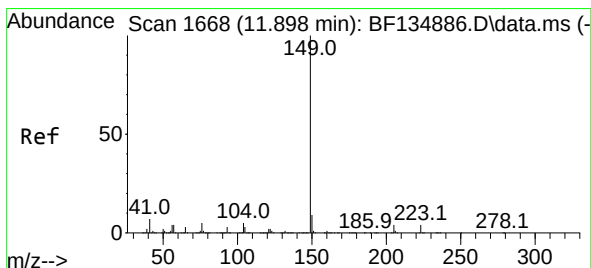
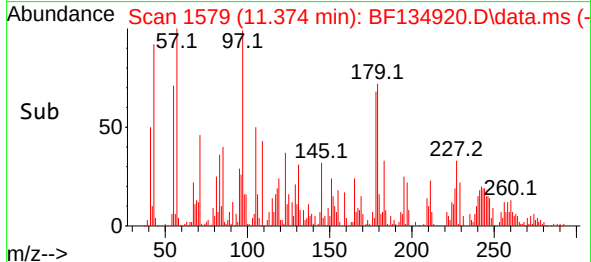
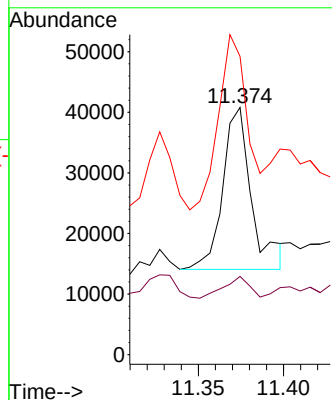
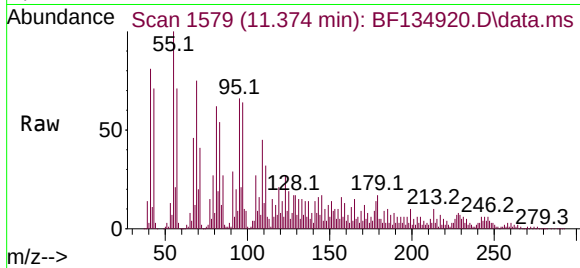




#71
Phenanthrene
Concen: 3.643 ng
RT: 11.374 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

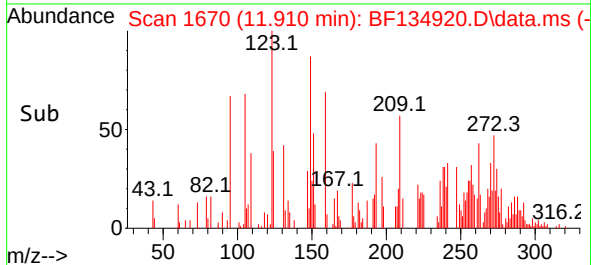
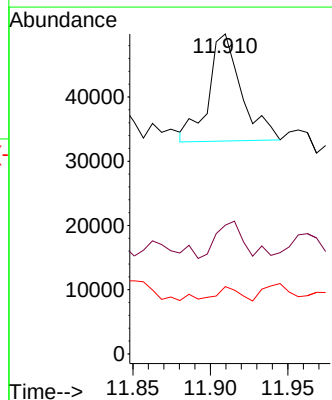
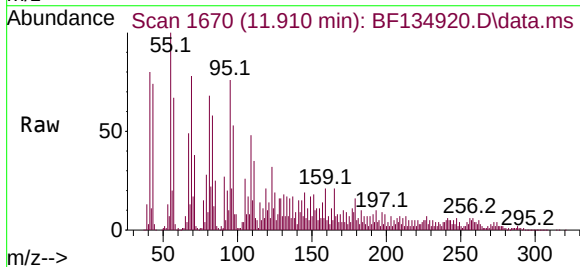
Instrument :
BNA_F
ClientSampleId :
RB21153

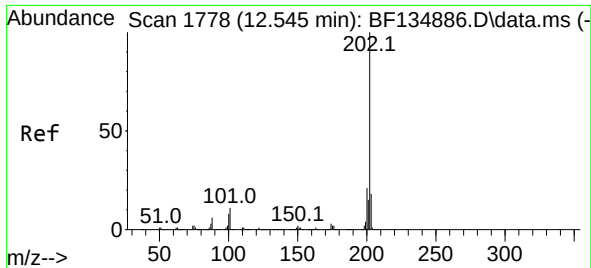
Tgt Ion:178 Resp: 31346
Ion Ratio Lower Upper
178 100
176 31.6 15.5 23.3#
179 120.7 12.6 19.0#



#74
Di-n-butylphthalate
Concen: 2.941 ng
RT: 11.910 min Scan# 1670
Delta R.T. 0.012 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

Tgt Ion:149 Resp: 24503
Ion Ratio Lower Upper
149 100
150 40.2 7.4 11.2#
104 21.0 4.1 6.1#

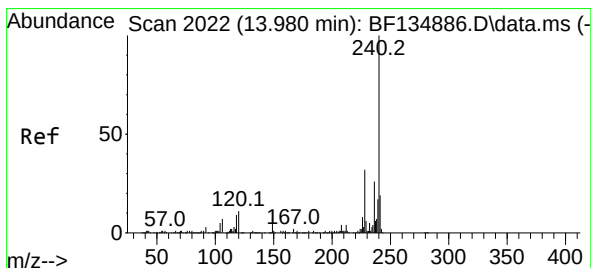
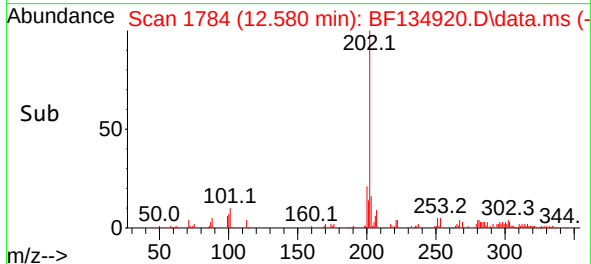
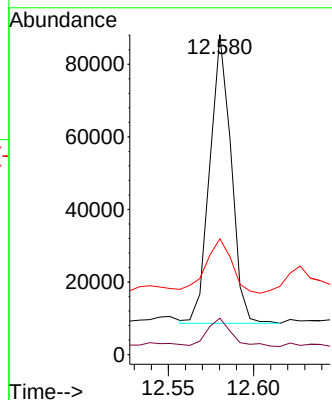
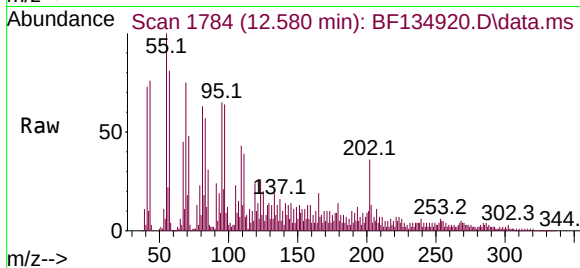




#75
Fluoranthene
Concen: 8.494 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

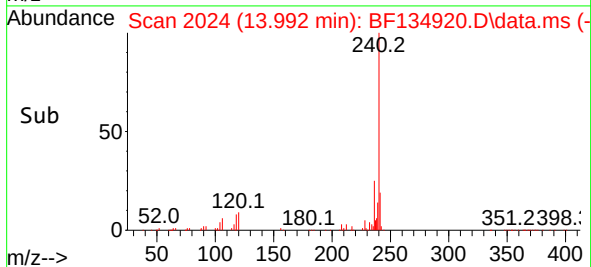
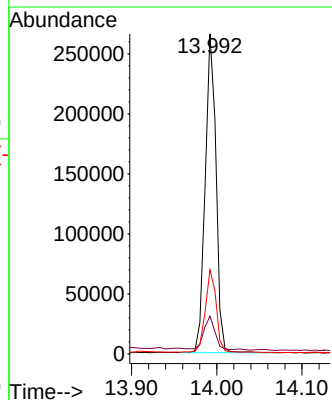
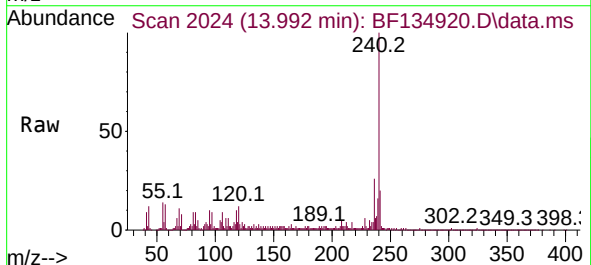
Instrument :
BNA_F
ClientSampleId :
RB21153

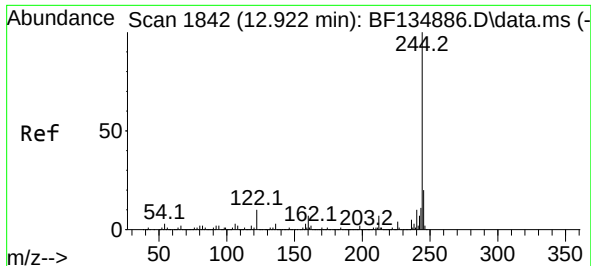
Tgt Ion:202 Resp: 69239
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.5
203 36.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BF134920.D
Acq: 24 Aug 2023 13:00

Tgt Ion:240 Resp: 234230
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 26.3 20.6 31.0

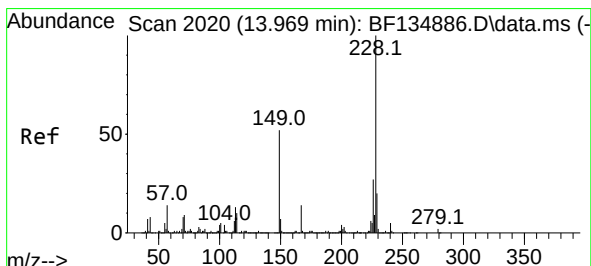
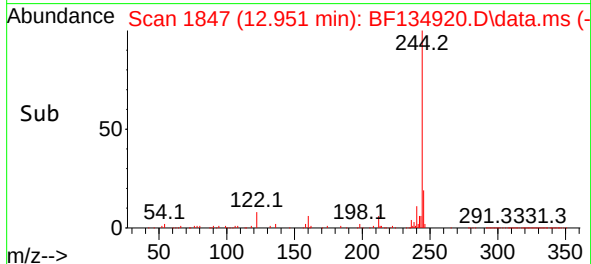
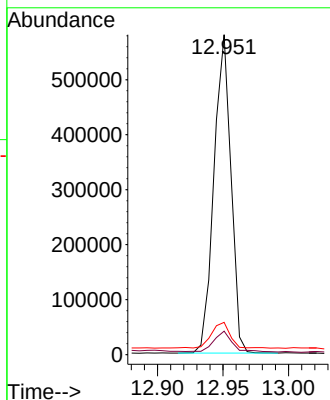
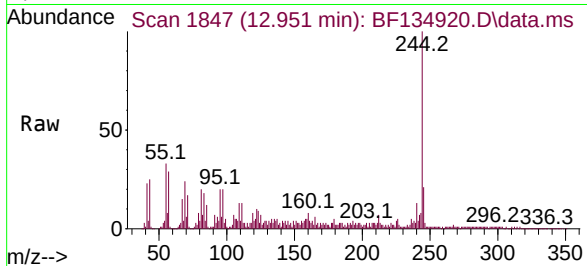




#79
 Terphenyl-d14
 Concen: 30.789 ng
 RT: 12.951 min Scan# 1842
 Delta R.T. 0.029 min
 Lab File: BF134920.D
 Acq: 24 Aug 2023 13:00

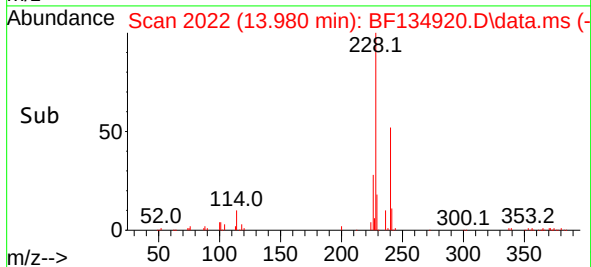
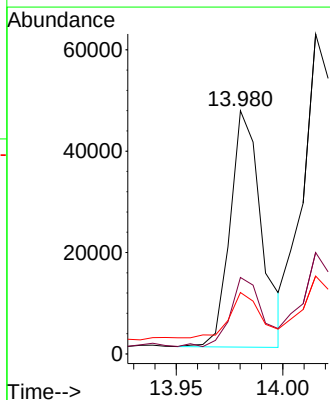
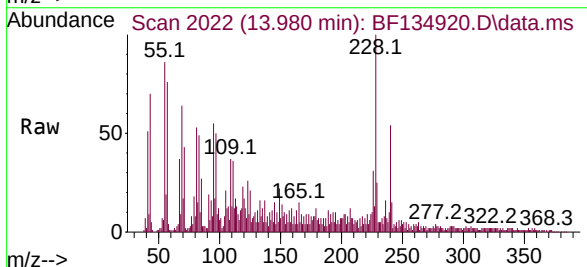
Instrument :
 BNA_F
 ClientSampleId :
 RB21153

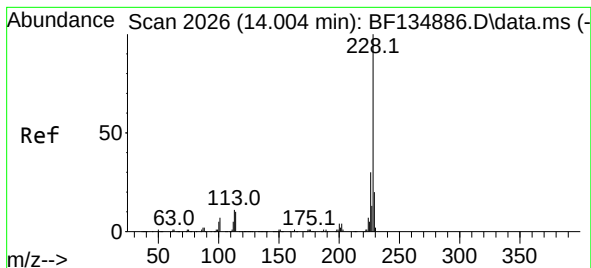
Tgt Ion:244 Resp: 524341
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 10.1 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 2.996 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.012 min
 Lab File: BF134920.D
 Acq: 24 Aug 2023 13:00

Tgt Ion:228 Resp: 47885
 Ion Ratio Lower Upper
 228 100
 226 31.5 21.8 32.6
 229 25.2 15.6 23.4#





#83

Chrysene

Concen: 4.041 ng

RT: 14.015 min Scan# 20

Delta R.T. 0.011 min

Lab File: BF134920.D

Acq: 24 Aug 2023 13:00

Instrument :

BNA_F

ClientSampleId :

RB21153

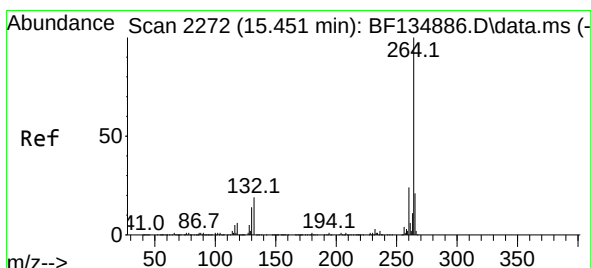
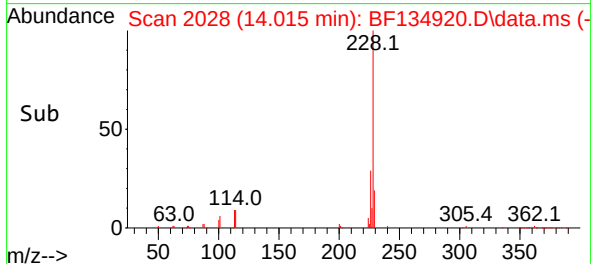
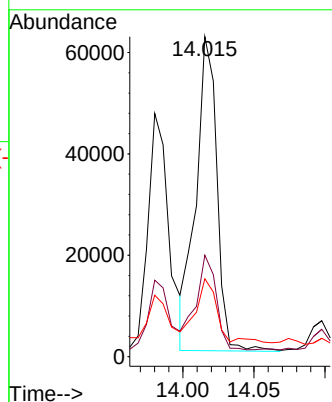
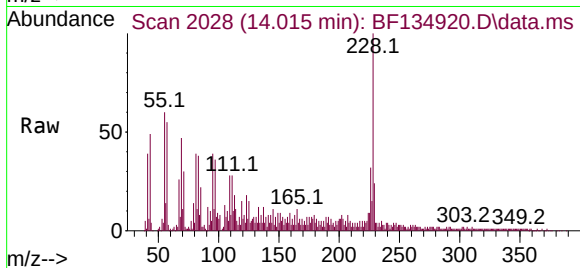
Tgt Ion:228 Resp: 63724

Ion Ratio Lower Upper

228 100

226 31.7 24.2 36.2

229 24.3 16.0 24.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF134920.D

Acq: 24 Aug 2023 13:00

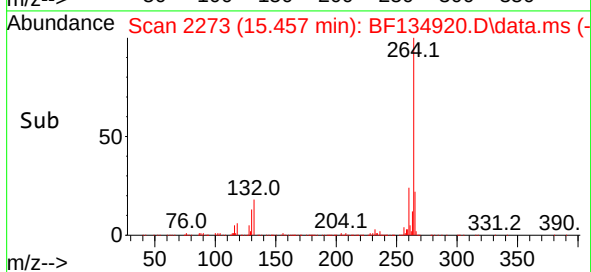
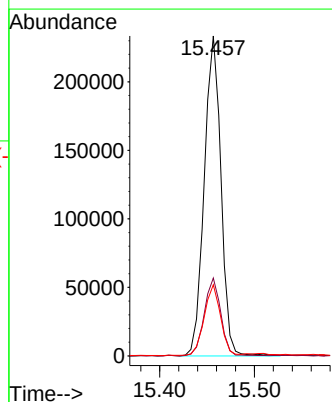
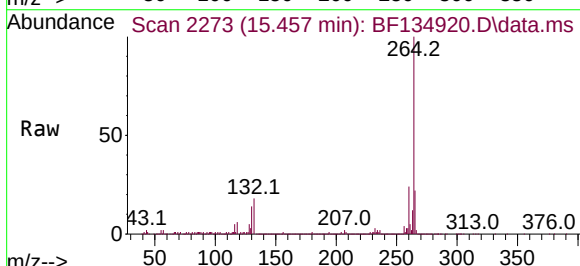
Tgt Ion:264 Resp: 286883

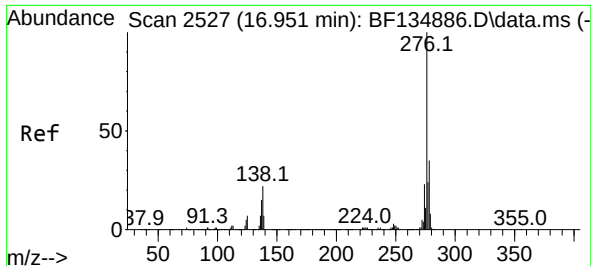
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 22.2 17.1 25.7

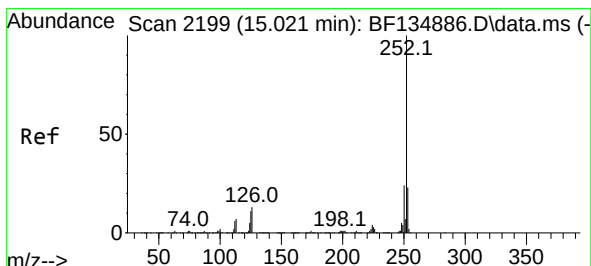
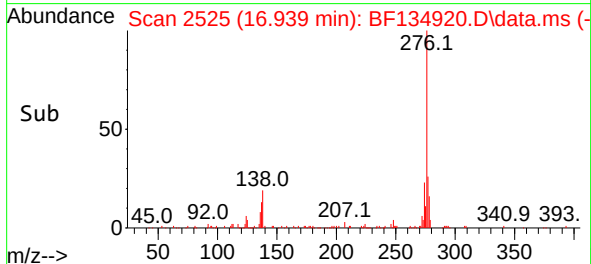
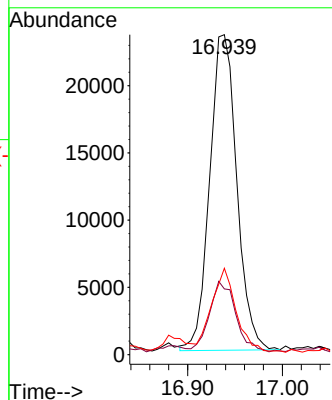
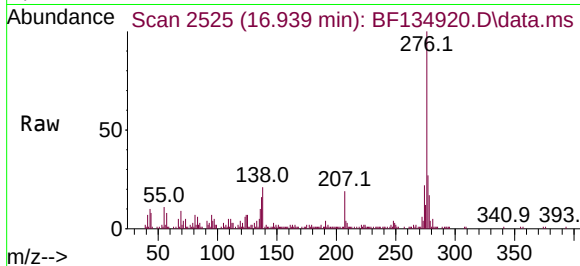




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.277 ng
 RT: 16.939 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134920.D
 Acq: 24 Aug 2023 13:00

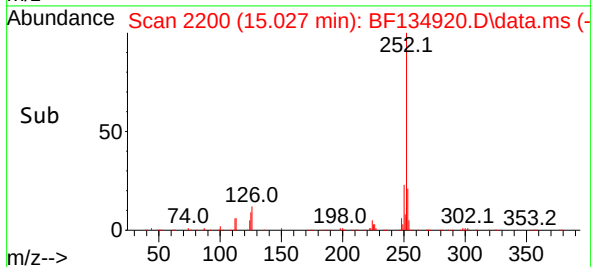
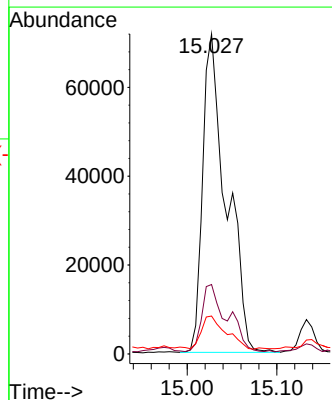
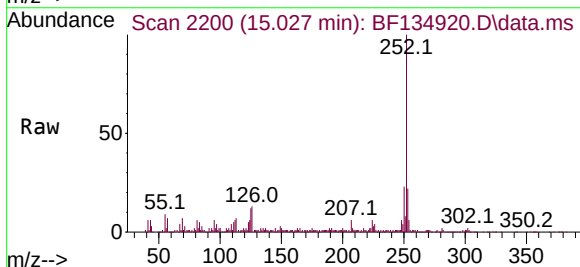
Instrument :
 BNA_F
 ClientSampleId :
 RB21153

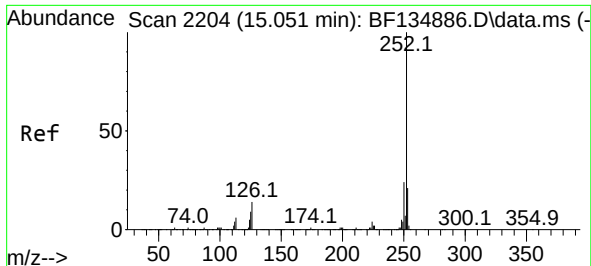
Tgt Ion:	276	Resp:	46689
Ion Ratio	Lower	Upper	
276	100		
138	22.7	19.7	29.5
277	24.6	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 8.142 ng
 RT: 15.027 min Scan# 2200
 Delta R.T. 0.006 min
 Lab File: BF134920.D
 Acq: 24 Aug 2023 13:00

Tgt Ion:	252	Resp:	131783
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.1	27.1
125	11.8	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 8.291 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF134920.D

Acq: 24 Aug 2023 13:00

Instrument :

BNA_F

ClientSampleId :

RB21153

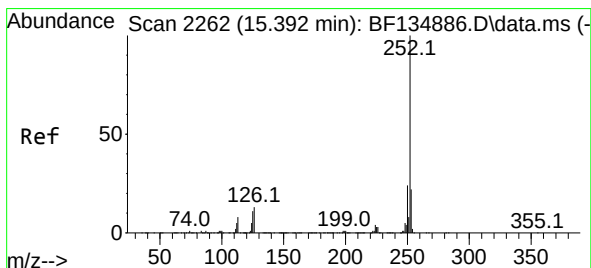
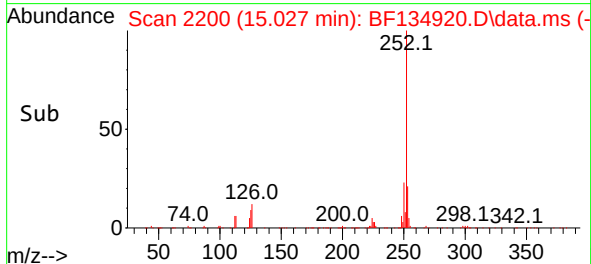
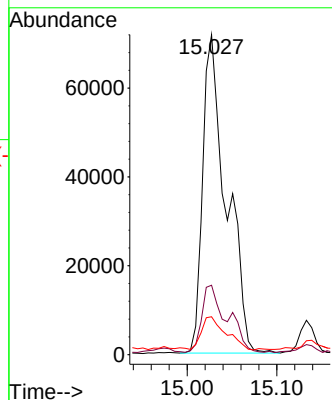
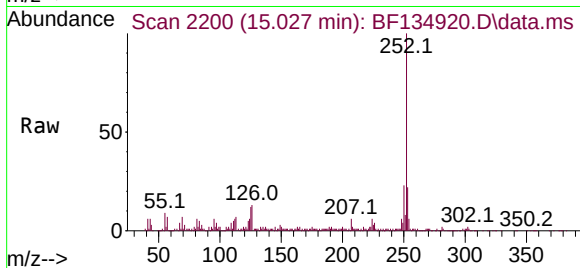
Tgt Ion:252 Resp: 131783

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 11.8 8.0 12.0



#90

Benzo(a)pyrene

Concen: 3.645 ng

RT: 15.392 min Scan# 2262

Delta R.T. -0.000 min

Lab File: BF134920.D

Acq: 24 Aug 2023 13:00

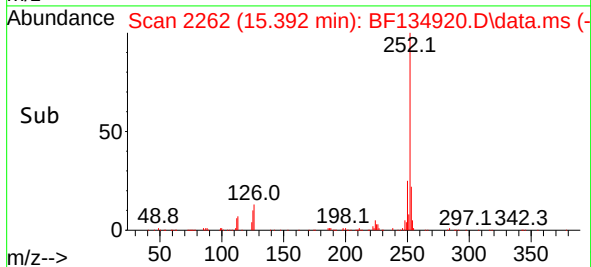
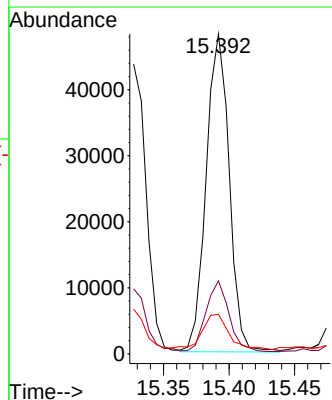
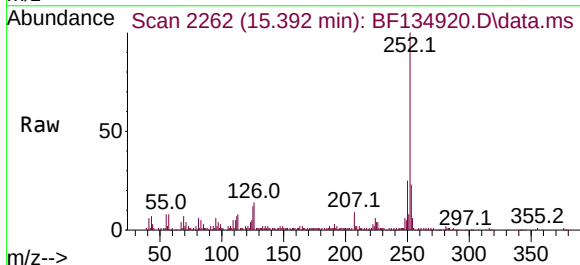
Tgt Ion:252 Resp: 58892

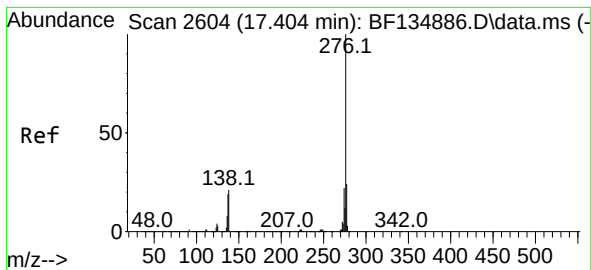
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 12.4 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 2.788 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF134920.D

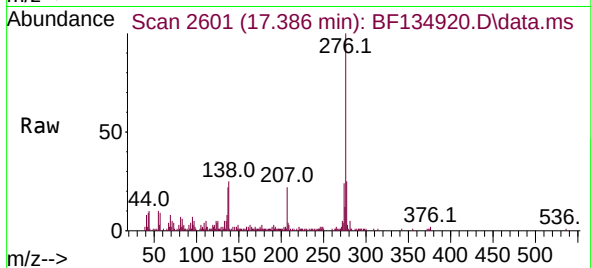
Acq: 24 Aug 2023 13:00

Instrument :

BNA_F

ClientSampleId :

RB21153



Tgt Ion:276 Resp: 47355

Ion Ratio Lower Upper

276 100

277 24.9 19.2 28.8

138 25.1 17.0 25.6

