

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134970.D
 Acq On : 28 Aug 2023 16:00
 Operator : CG\JU
 Sample : 04093-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB04-Z45-46DL

Quant Time: Aug 29 03:49:34 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)

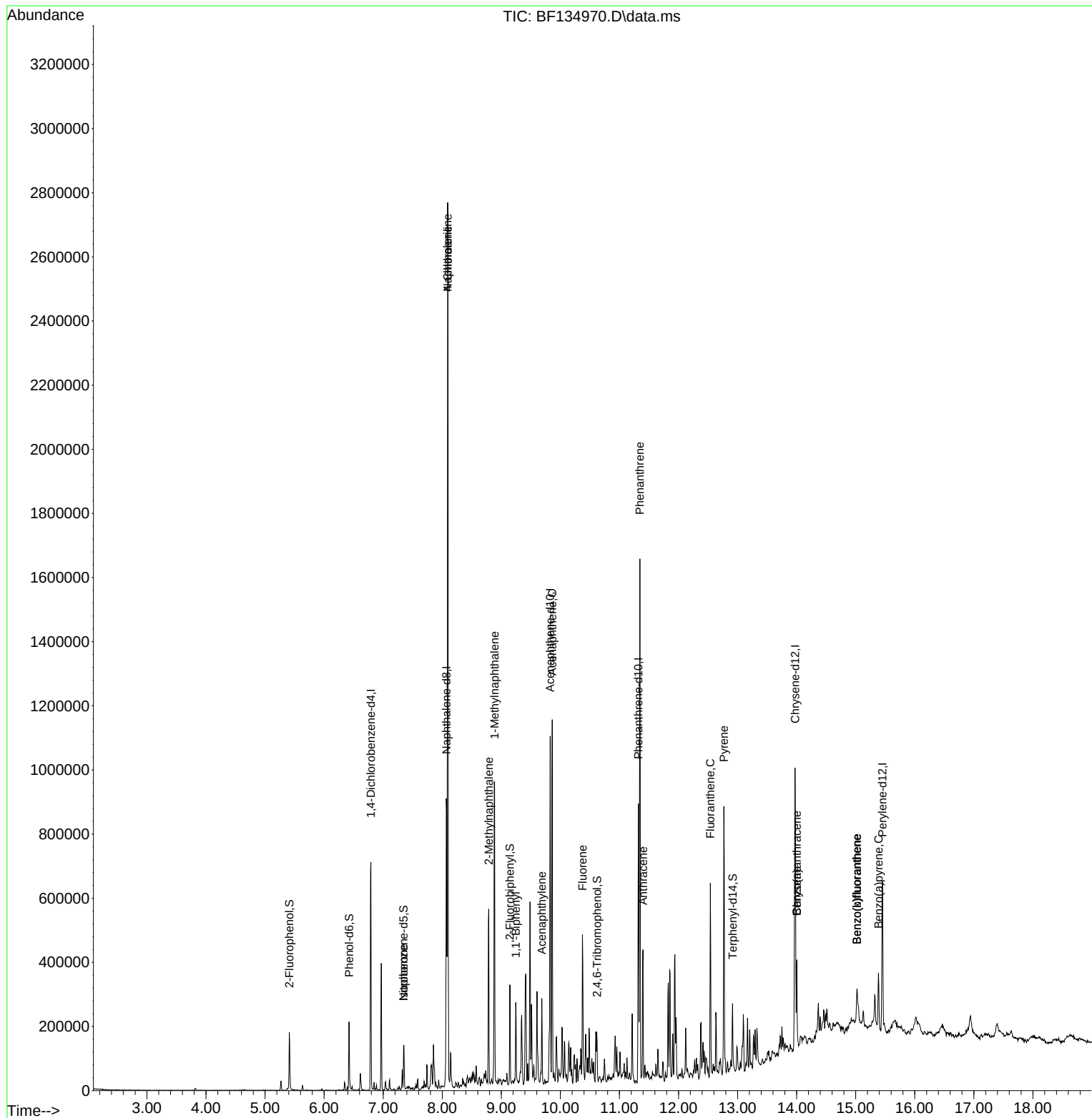
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	104099	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	408857	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	189352	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	296723	20.000	ng	0.00
76) Chrysene-d12	13.974	240	240909	20.000	ng	0.00
86) Perylene-d12	15.451	264	221793	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	50724	7.770	ng	-0.01
7) Phenol-d6	6.422	99	65134	7.808	ng	-0.02
23) Nitrobenzene-d5	7.345	82	37937	5.113	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	11264	5.051	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	76005	6.205	ng	-0.01
79) Terphenyl-d14	12.915	244	65981	3.767	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.345	82	37875	2.734	ng	# 65
31) Naphthalene	8.092	128	1229323	60.215	ng	99
33) 4-Chloroaniline	8.092	127	165199	18.860	ng	# 34
37) 2-Methylnaphthalene	8.786	142	140254	10.302	ng	99
38) 1-Methylnaphthalene	8.886	142	256187	20.123	ng	99
46) 1,1'-Biphenyl	9.245	154	72490	4.849	ng	97
49) Acenaphthylene	9.686	152	41217	2.397	ng	# 86
52) Acenaphthene	9.863	154	230612	21.292	ng	99
58) Fluorene	10.374	166	119815	10.018	ng	99
71) Phenanthrene	11.345	178	543777	34.972	ng	99
72) Anthracene	11.398	178	157734	9.901	ng	99
75) Fluoranthene	12.539	202	213909	14.519	ng	99
78) Pyrene	12.768	202	330315	12.932	ng	98
81) Benzo(a)anthracene	14.004	228	111526	6.785	ng	96
83) Chrysene	14.004	228	111526	6.877	ng	100
88) Benzo(b)fluoranthene	15.021	252	89726	7.170	ng	# 95
89) Benzo(k)fluoranthene	15.021	252	89726	7.302	ng	# 96
90) Benzo(a)pyrene	15.386	252	81077	6.490	ng	98

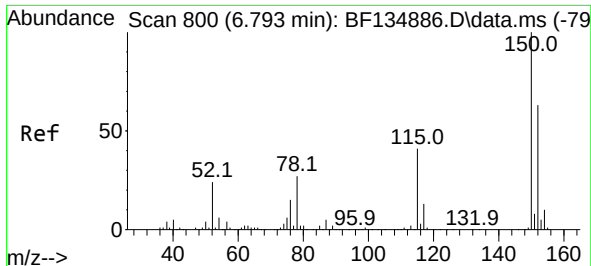
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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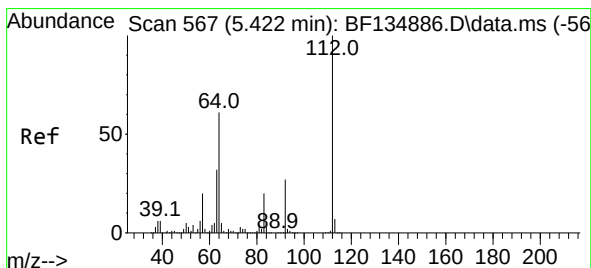
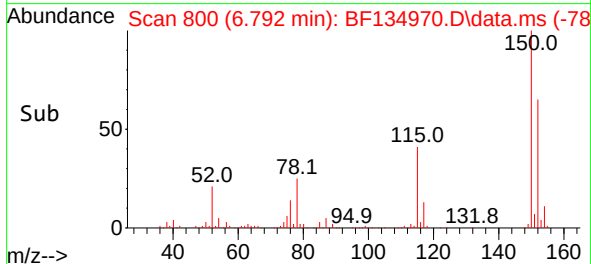
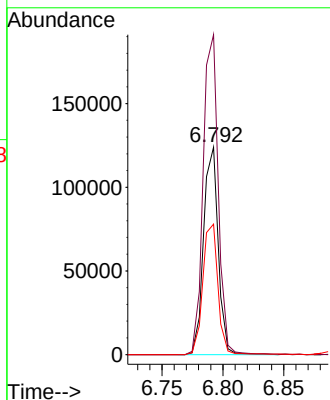
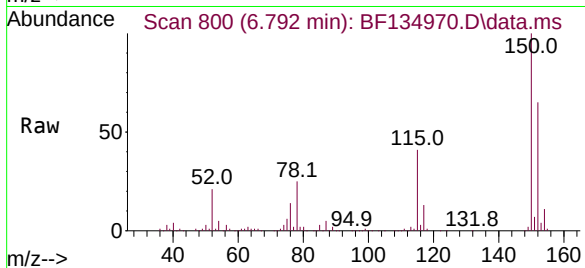




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

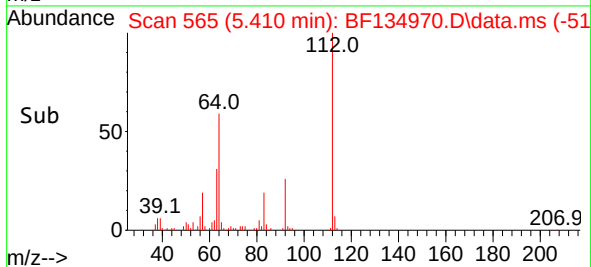
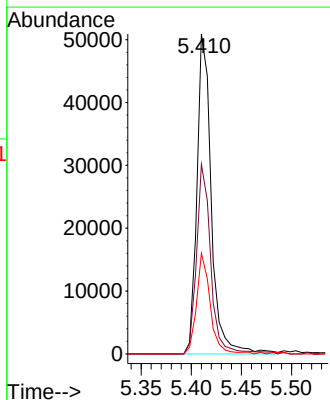
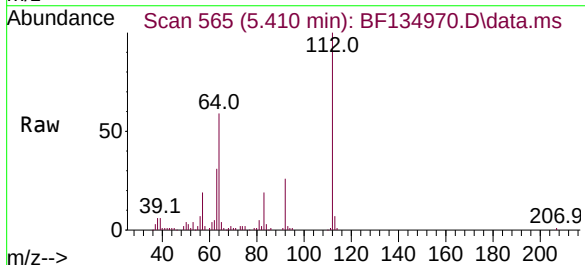
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

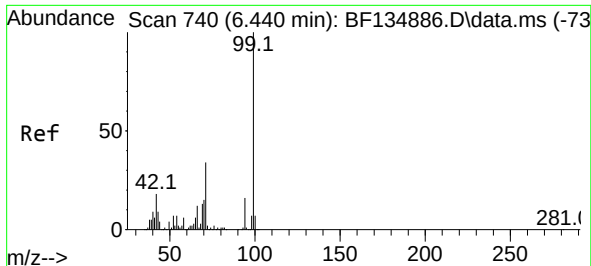
Tgt Ion:152 Resp: 104099
Ion Ratio Lower Upper
152 100
150 154.3 126.1 189.1
115 62.9 51.1 76.7



#5
2-Fluorophenol
Concen: 7.770 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:112 Resp: 50724
Ion Ratio Lower Upper
112 100
64 59.2 48.6 73.0
63 31.4 25.7 38.5

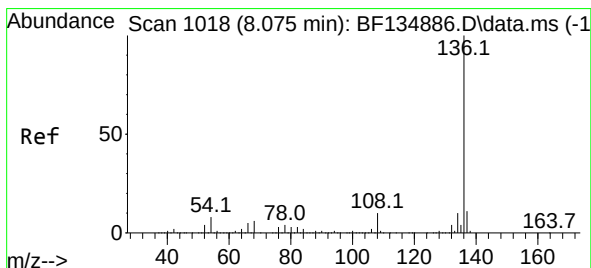
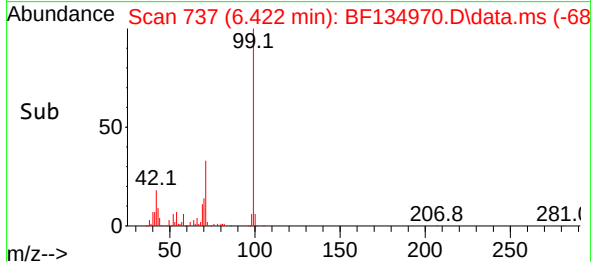
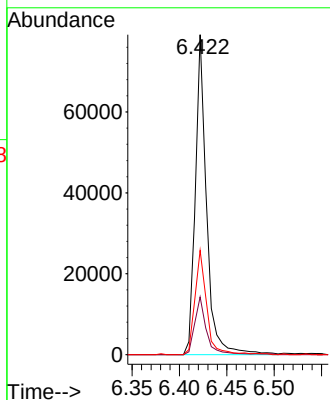
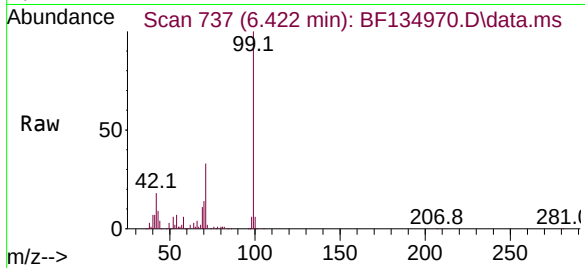




#7
Phenol-d6
Concen: 7.808 ng
RT: 6.422 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

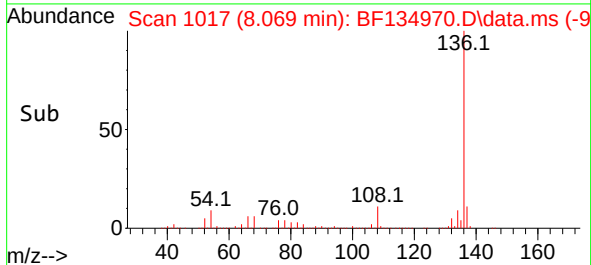
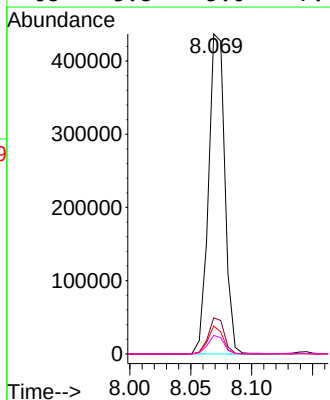
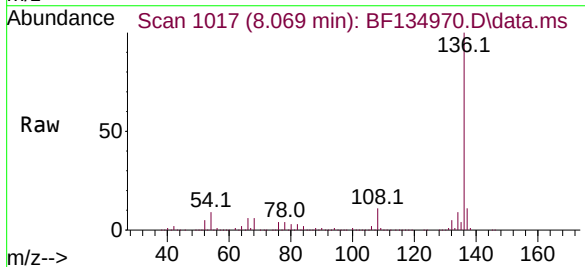
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

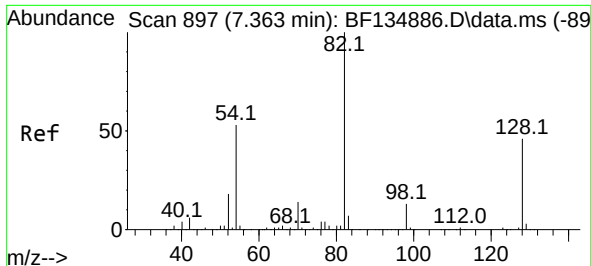
Tgt Ion: 99 Resp: 65134
Ion Ratio Lower Upper
99 100
42 18.0 14.6 22.0
71 32.6 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion: 136 Resp: 408857
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.7 6.6 9.8
68 5.8 5.0 7.4

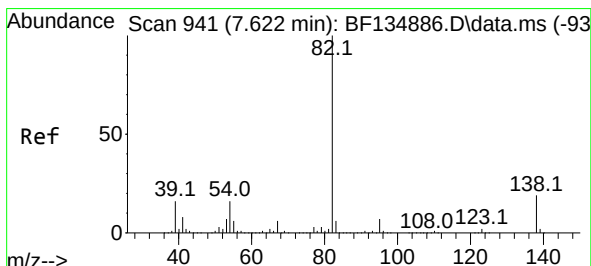
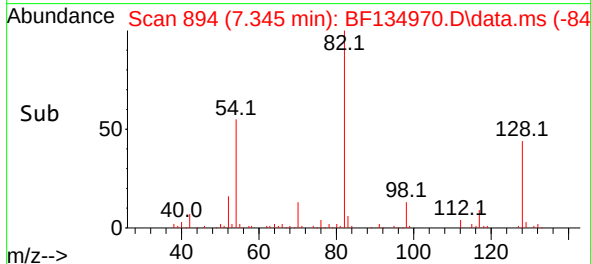
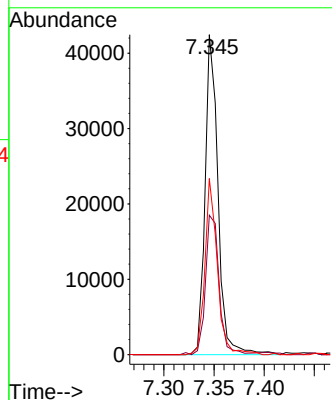
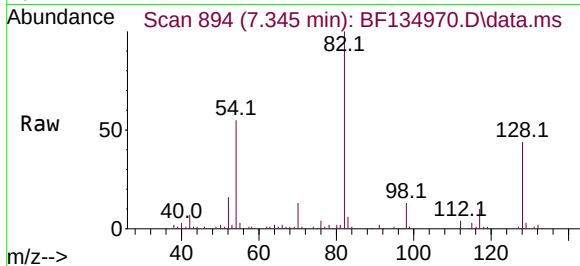




#23
Nitrobenzene-d5
Concen: 5.113 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

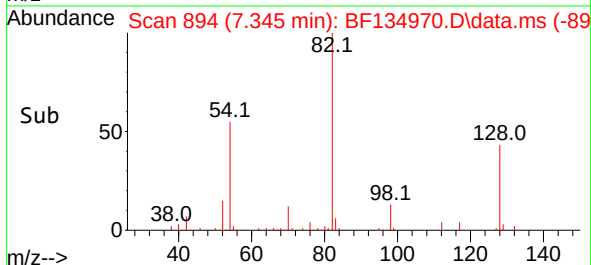
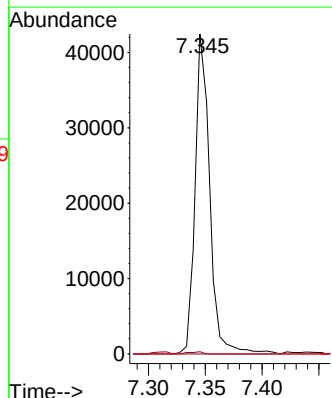
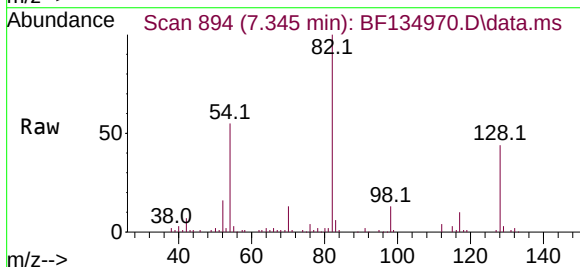
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

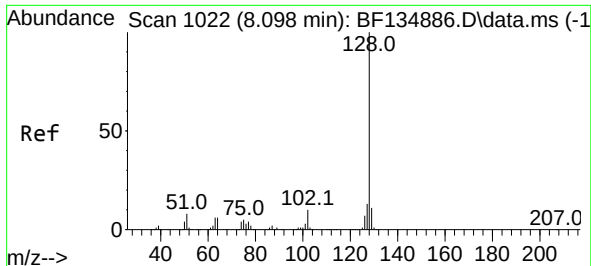
Tgt Ion: 82 Resp: 37937
Ion Ratio Lower Upper
82 100
128 43.6 36.6 54.8
54 55.0 42.6 63.8



#25
Isophorone
Concen: 2.734 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.277 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion: 82 Resp: 37875
Ion Ratio Lower Upper
82 100
95 0.7 5.9 8.9#
138 0.0 14.9 22.3#

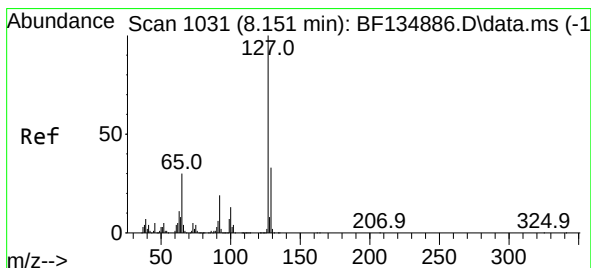
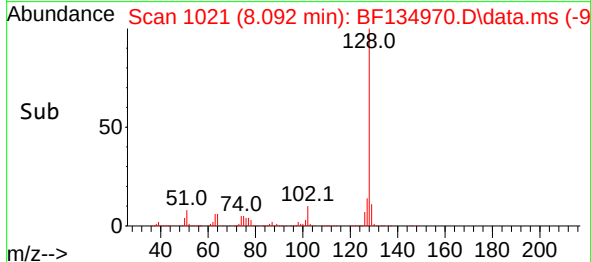
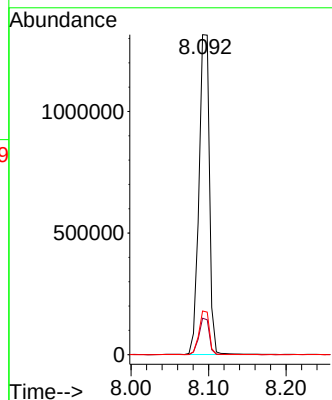
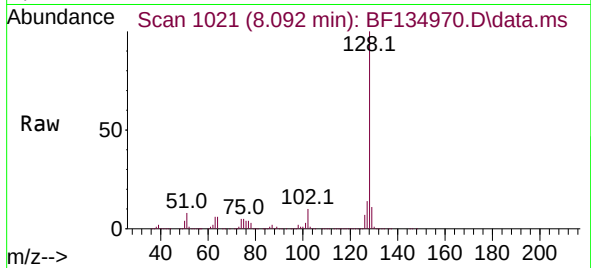




#31
Naphthalene
Concen: 60.215 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

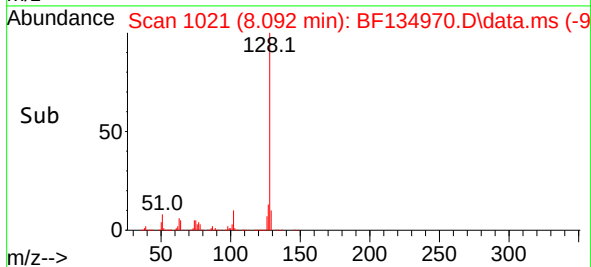
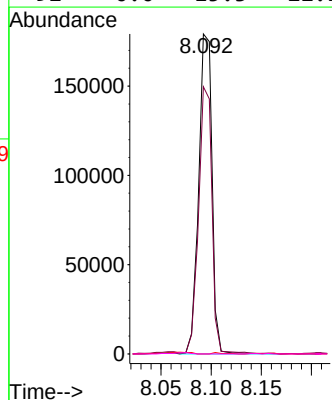
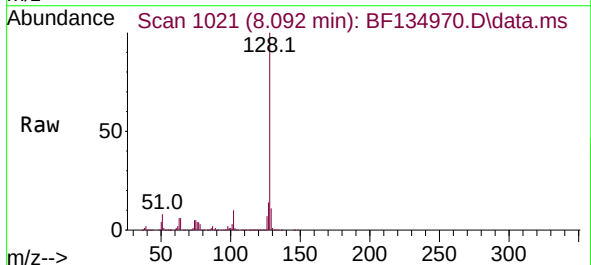
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

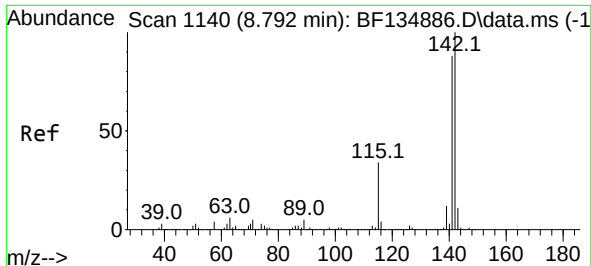
Tgt Ion:128 Resp: 1229323
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.6 10.6 16.0



#33
4-Chloroaniline
Concen: 18.860 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.059 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:127 Resp: 165199
Ion Ratio Lower Upper
127 100
129 83.5 26.4 39.6#
65 0.0 23.8 35.8#
92 0.0 15.3 22.9#

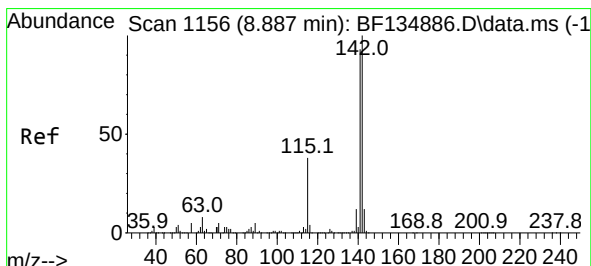
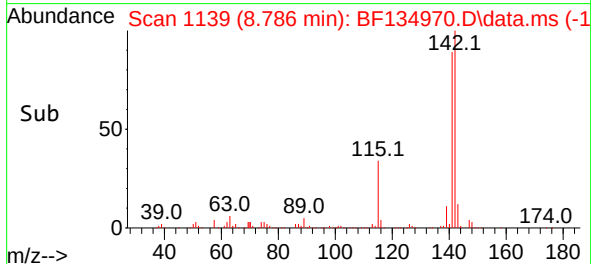
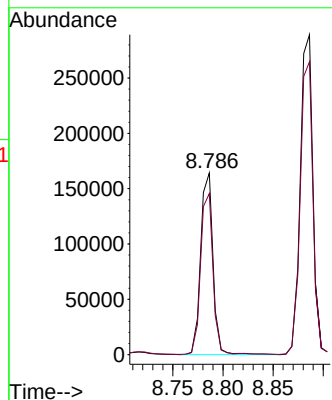
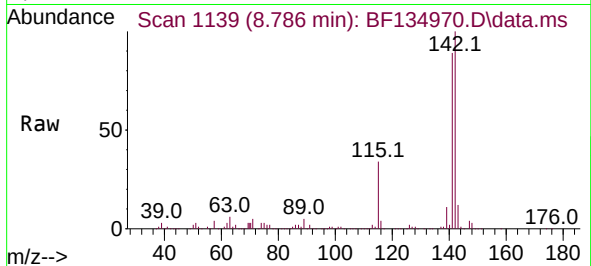




#37
2-Methylnaphthalene
Concen: 10.302 ng
RT: 8.786 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

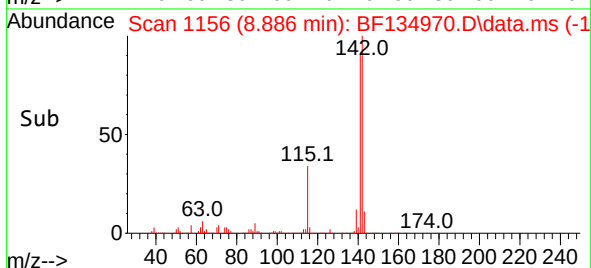
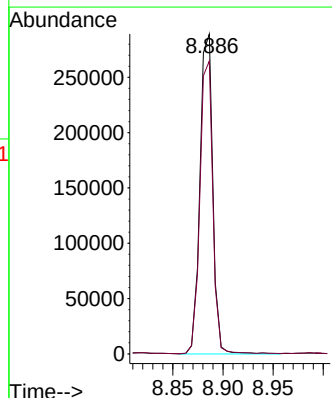
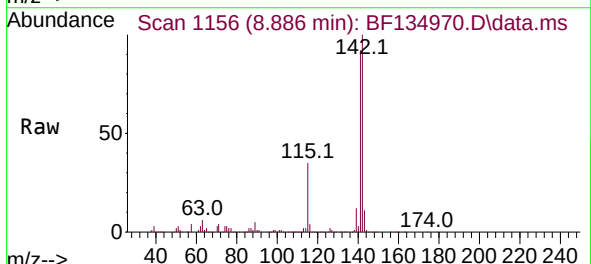
Instrument :
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ClientSampleId :
NEVINS-SB04-Z45-46DL

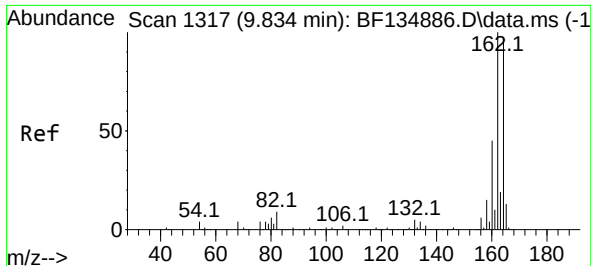
Tgt Ion:142 Resp: 140254
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.2



#38
1-Methylnaphthalene
Concen: 20.123 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:142 Resp: 256187
Ion Ratio Lower Upper
142 100
141 91.5 74.1 111.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z45-46DL

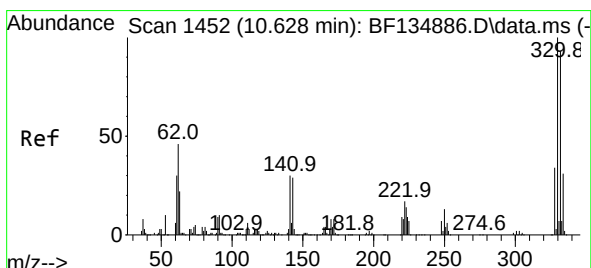
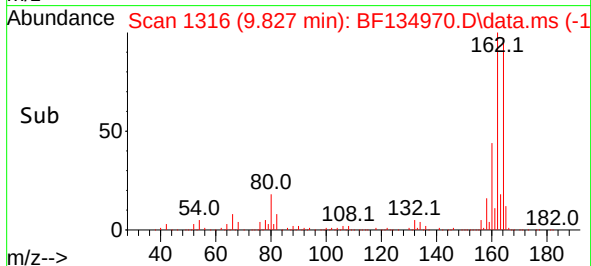
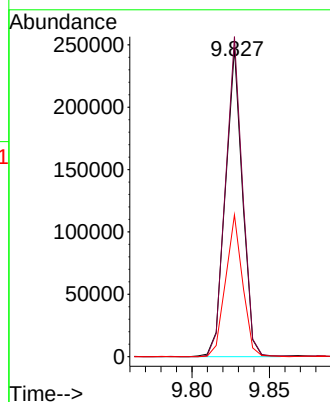
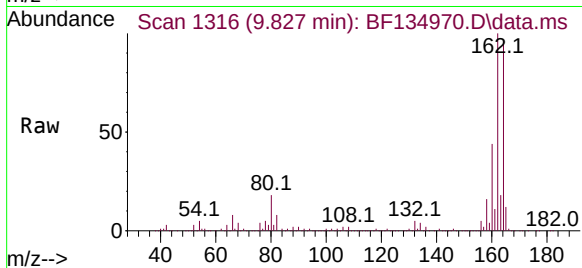
Tgt Ion:164 Resp: 189352

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

160 45.9 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 5.051 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

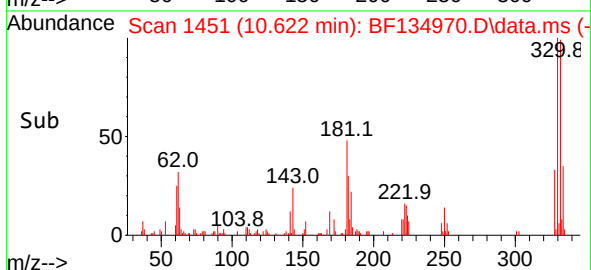
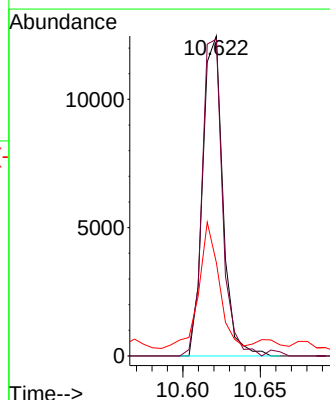
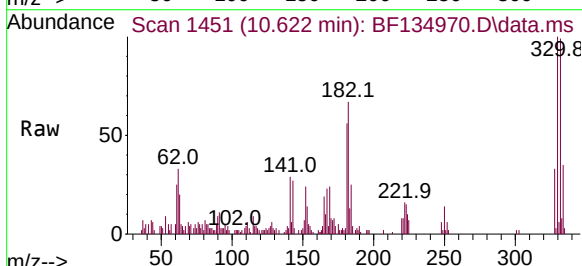
Tgt Ion:330 Resp: 11264

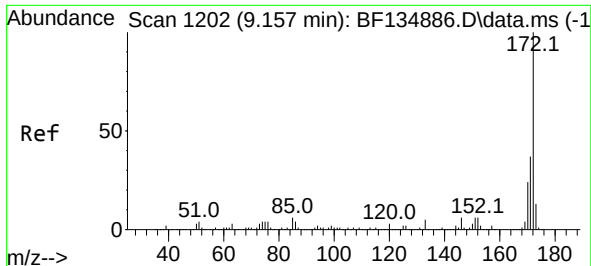
Ion Ratio Lower Upper

330 100

332 100.2 76.3 114.5

141 39.7 23.4 35.2#

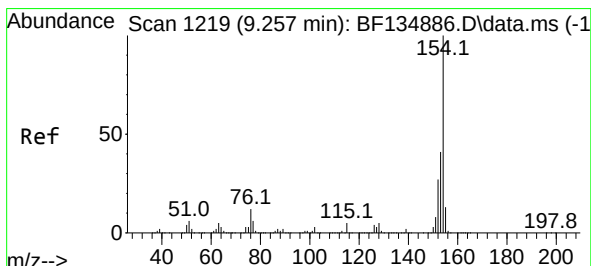
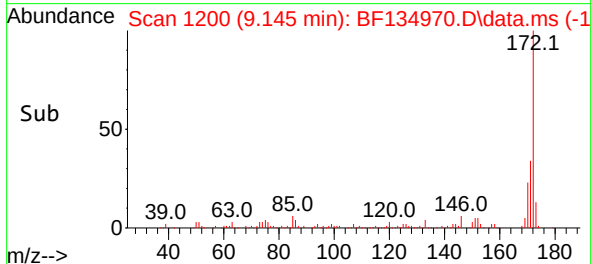
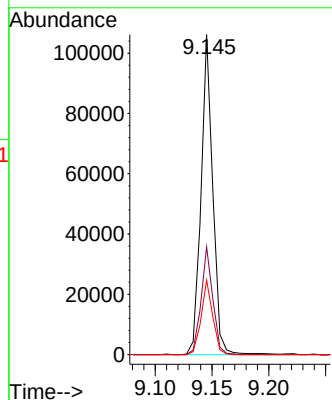
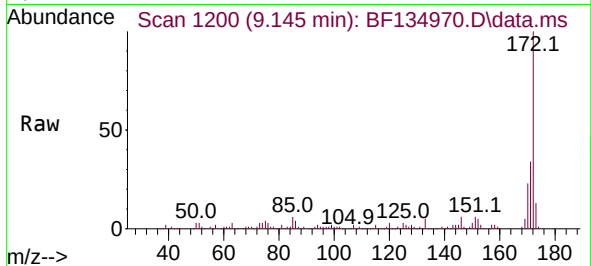




#45
2-Fluorobiphenyl
Concen: 6.205 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

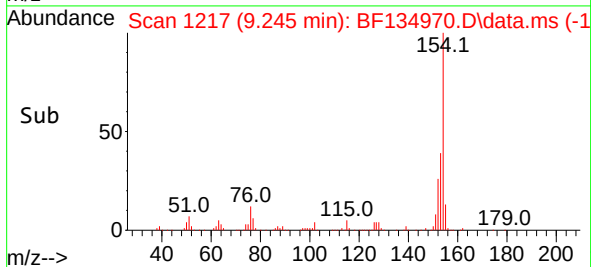
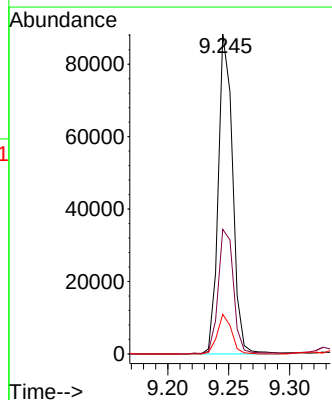
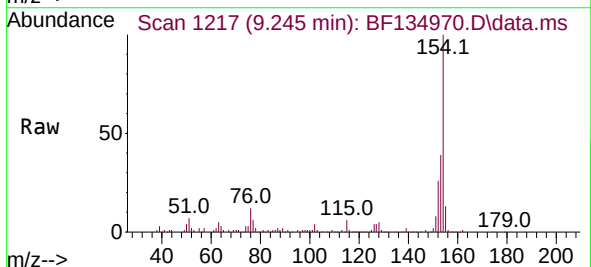
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

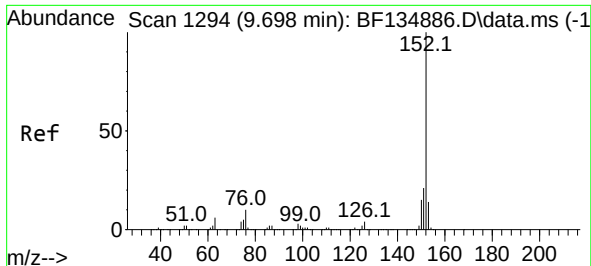
Tgt Ion:172 Resp: 76005
Ion Ratio Lower Upper
172 100
171 33.6 29.4 44.0
170 23.3 19.6 29.4



#46
1,1'-Biphenyl
Concen: 4.849 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:154 Resp: 72490
Ion Ratio Lower Upper
154 100
153 38.9 21.3 61.3
76 12.4 0.0 31.8

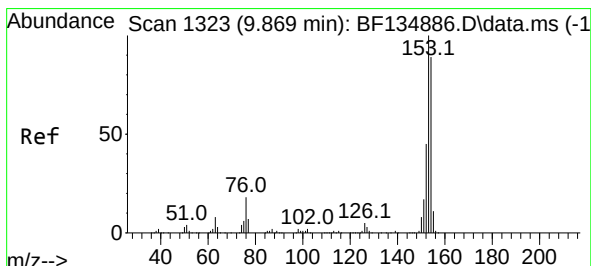
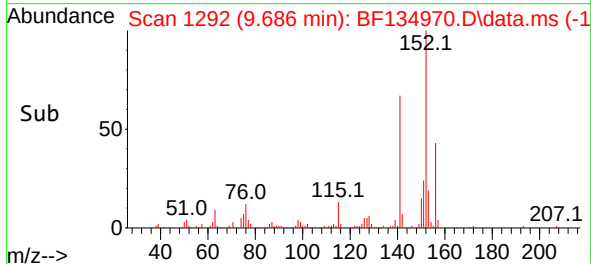
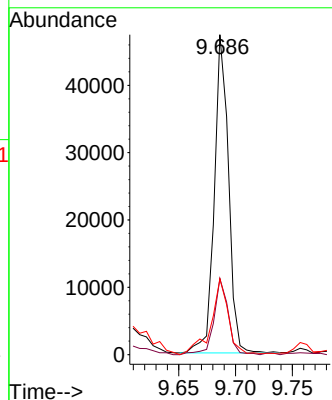
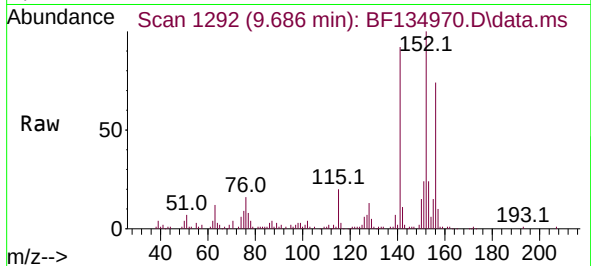




#49
 Acenaphthylene
 Concen: 2.397 ng
 RT: 9.686 min Scan# 1292
 Delta R.T. -0.012 min
 Lab File: BF134970.D
 Acq: 28 Aug 2023 16:00

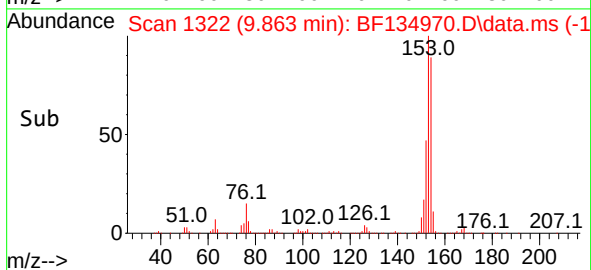
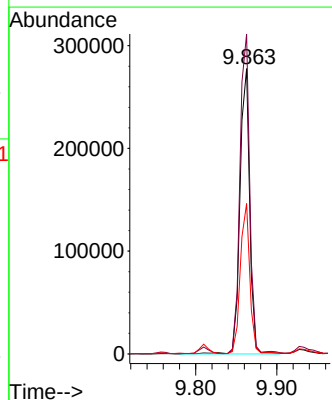
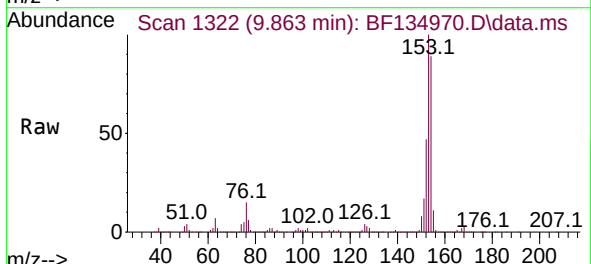
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB04-Z45-46DL

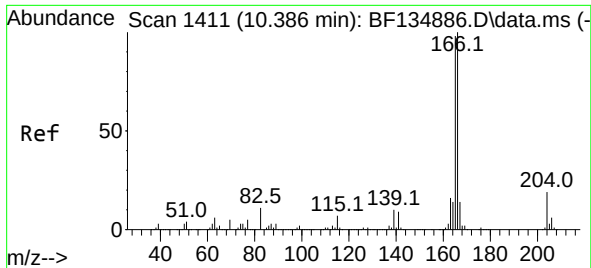
Tgt Ion:152 Resp: 41217
 Ion Ratio Lower Upper
 152 100
 151 23.8 16.5 24.7
 153 23.7 11.3 16.9#



#52
 Acenaphthene
 Concen: 21.292 ng
 RT: 9.863 min Scan# 1322
 Delta R.T. -0.006 min
 Lab File: BF134970.D
 Acq: 28 Aug 2023 16:00

Tgt Ion:154 Resp: 230612
 Ion Ratio Lower Upper
 154 100
 153 112.2 89.6 134.4
 152 52.7 40.5 60.7

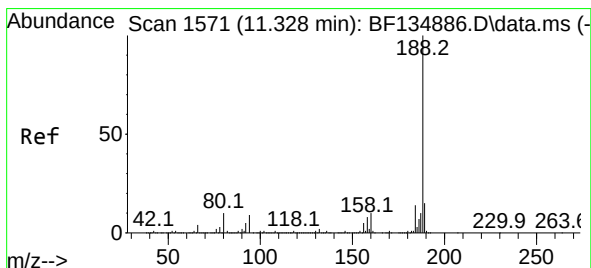
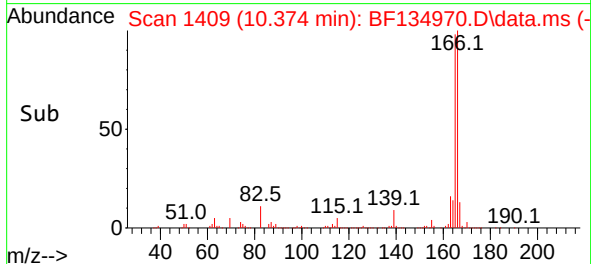
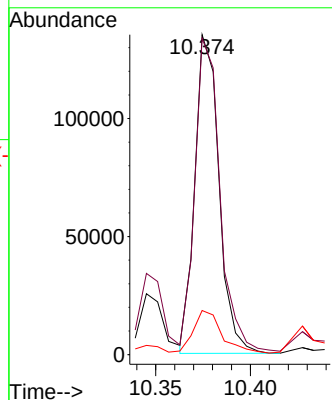
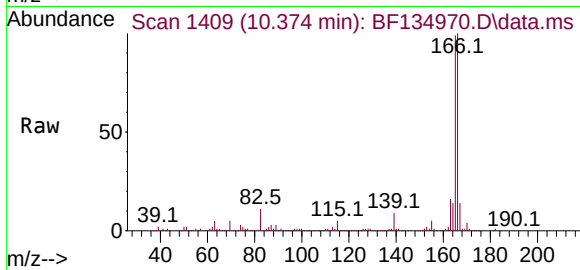




#58
Fluorene
Concen: 10.018 ng
RT: 10.374 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

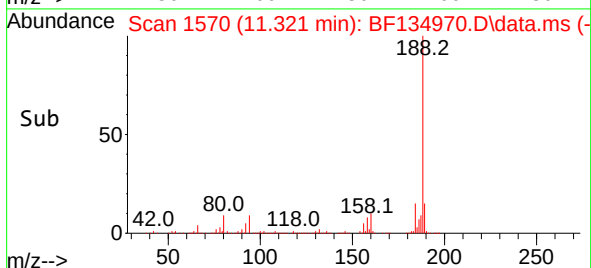
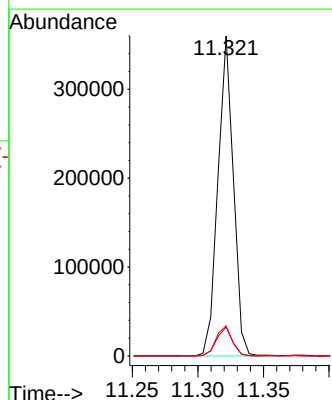
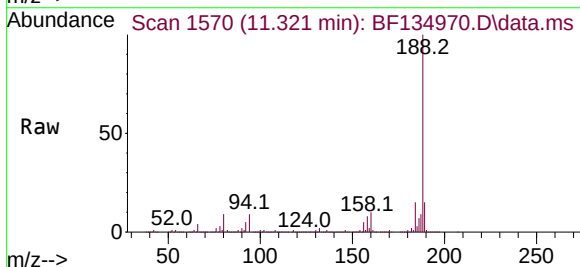
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

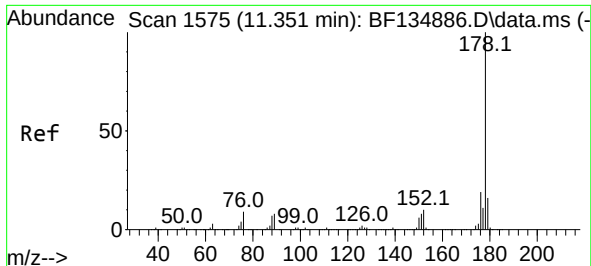
Tgt Ion:166 Resp: 119815
Ion Ratio Lower Upper
166 100
165 98.8 78.5 117.7
167 13.8 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:188 Resp: 296723
Ion Ratio Lower Upper
188 100
94 9.0 7.5 11.3
80 9.4 7.8 11.6

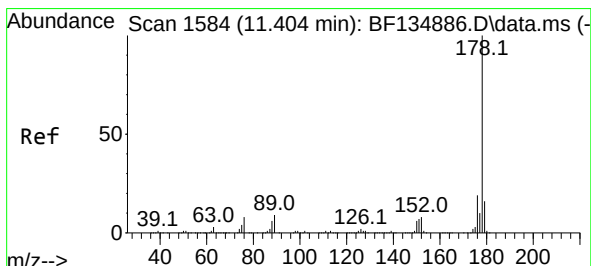
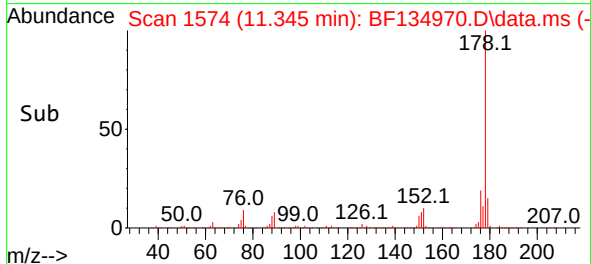
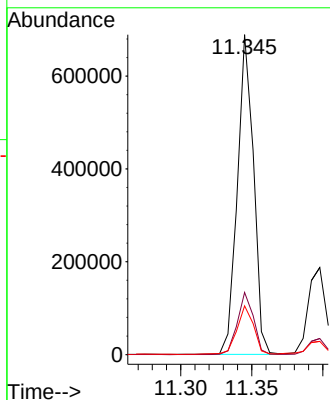
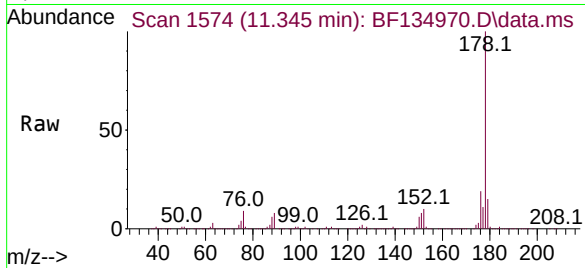




#71
Phenanthrene
Concen: 34.972 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

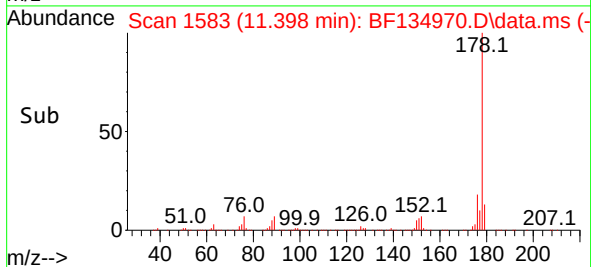
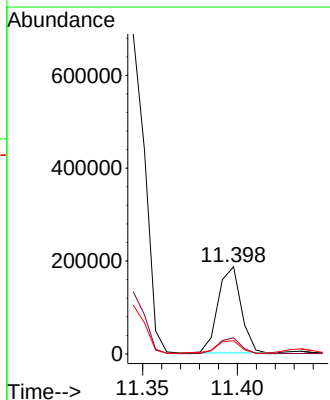
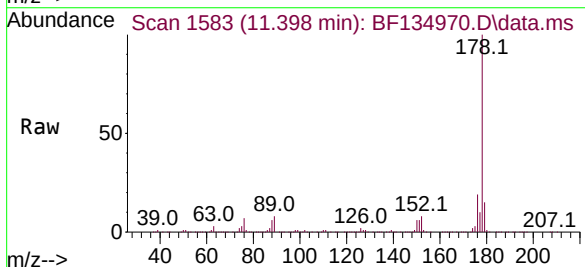
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

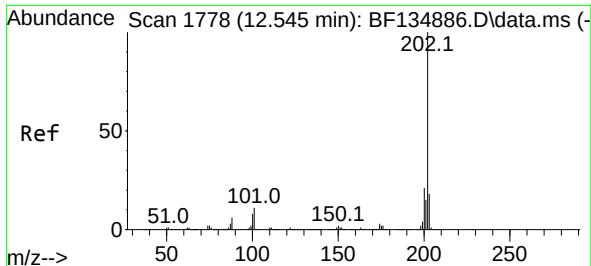
Tgt Ion:178 Resp: 543777
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.6 19.0



#72
Anthracene
Concen: 9.901 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:178 Resp: 157734
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.5 18.7

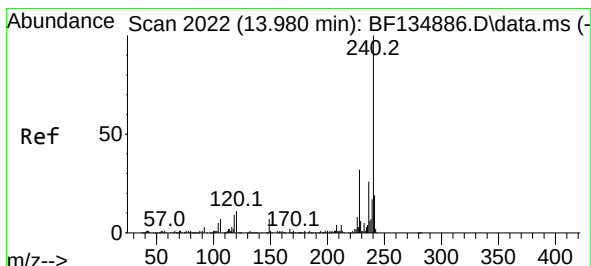
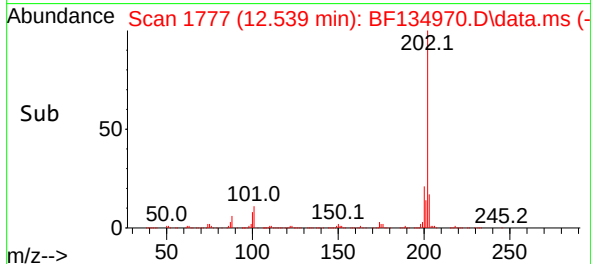
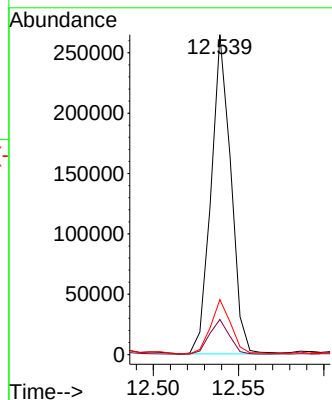
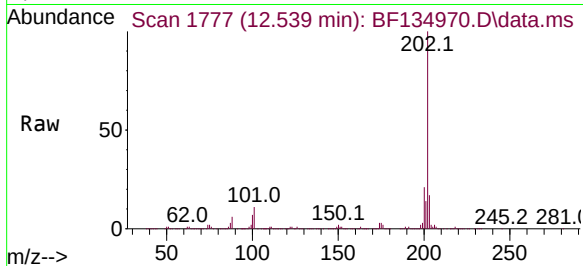




#75
Fluoranthene
Concen: 14.519 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

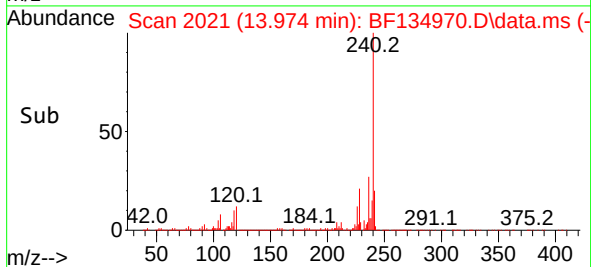
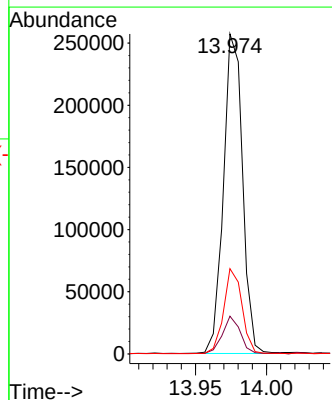
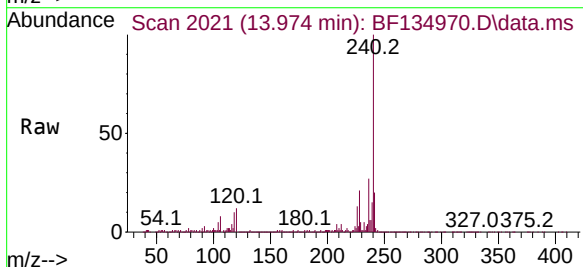
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

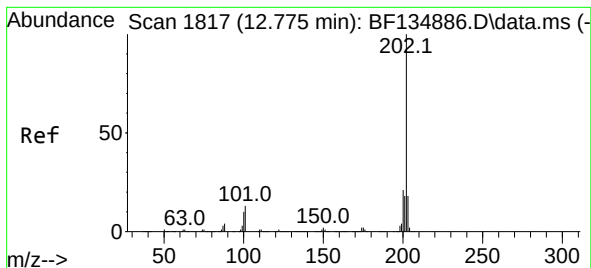
Tgt Ion:202 Resp: 213909
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.5
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:240 Resp: 240909
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 26.6 20.6 31.0





#78

Pyrene

Concen: 12.932 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z45-46DL

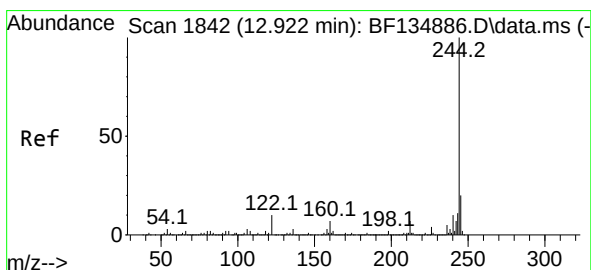
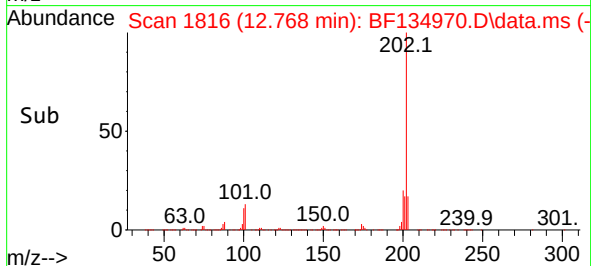
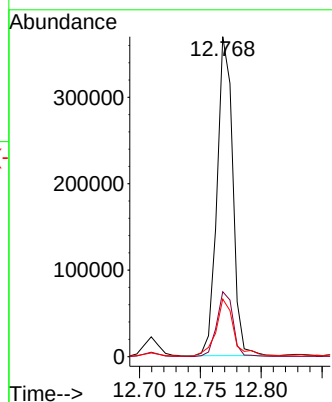
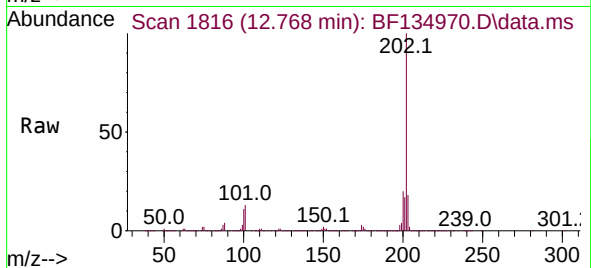
Tgt Ion:202 Resp: 330315

Ion Ratio Lower Upper

202 100

200 20.3 17.1 25.7

203 18.0 14.2 21.2



#79

Terphenyl-d14

Concen: 3.767 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.007 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

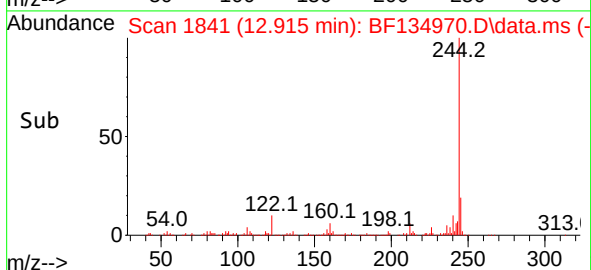
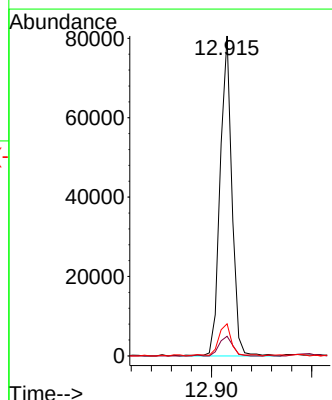
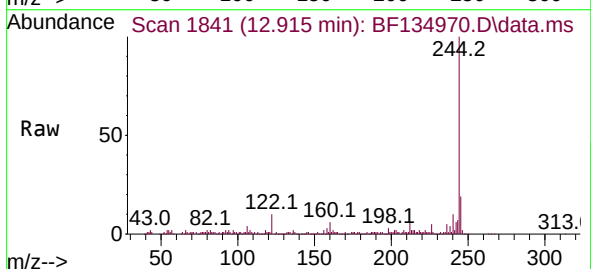
Tgt Ion:244 Resp: 65981

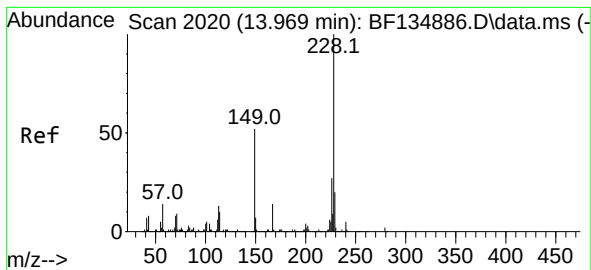
Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

122 10.0 8.2 12.4





#81

Benzo(a)anthracene

Concen: 6.785 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.035 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z45-46DL

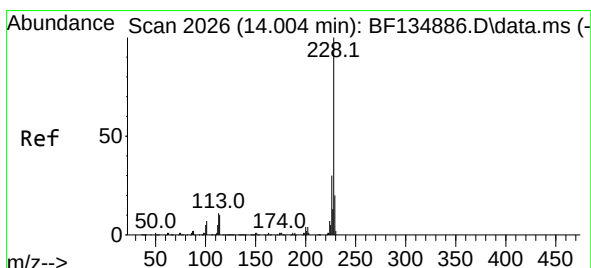
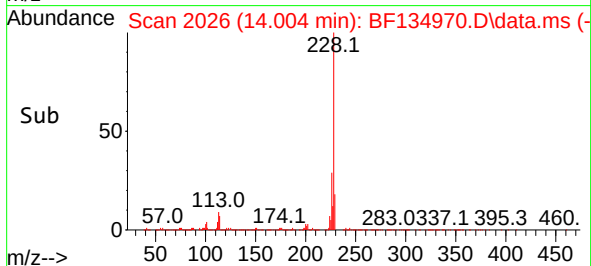
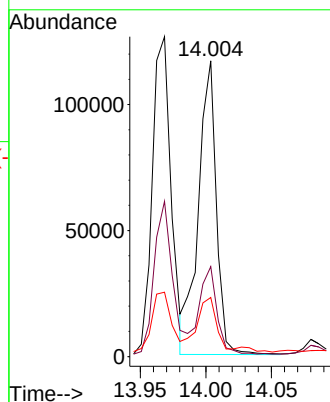
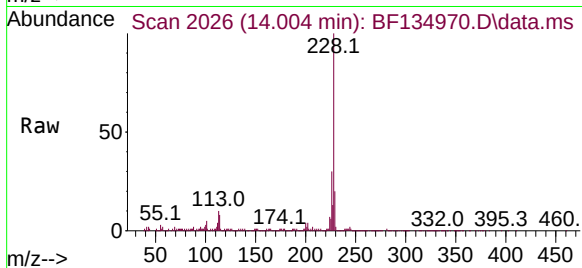
Tgt Ion:228 Resp: 111526

Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.6

229 20.0 15.6 23.4



#83

Chrysene

Concen: 6.877 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

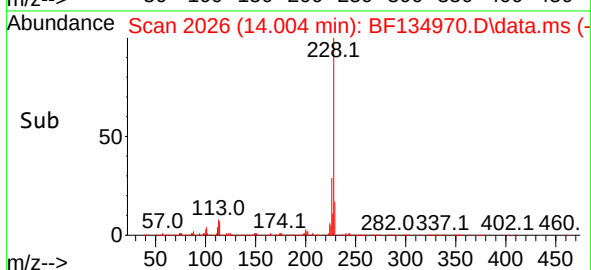
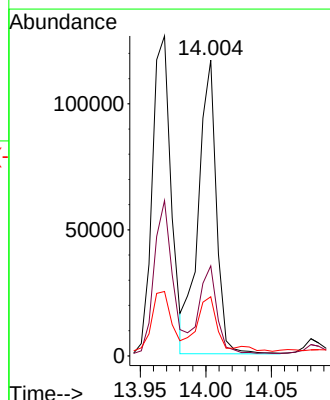
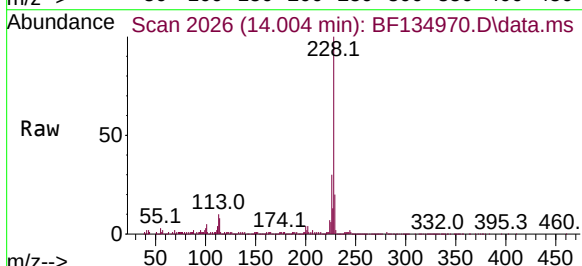
Tgt Ion:228 Resp: 111526

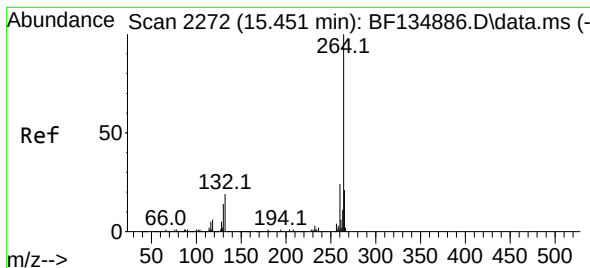
Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 20.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z45-46DL

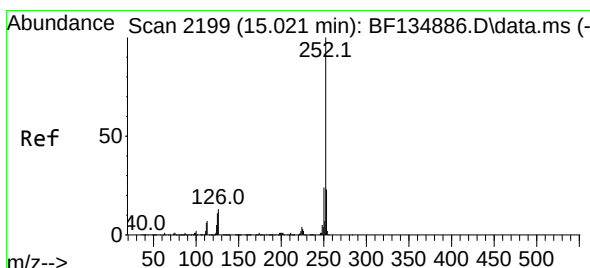
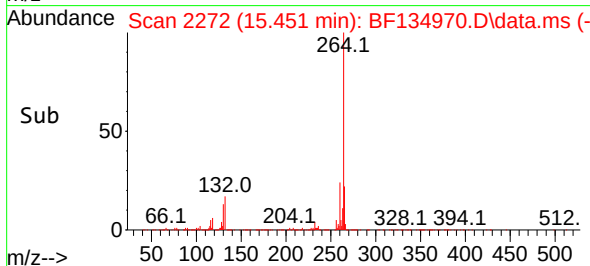
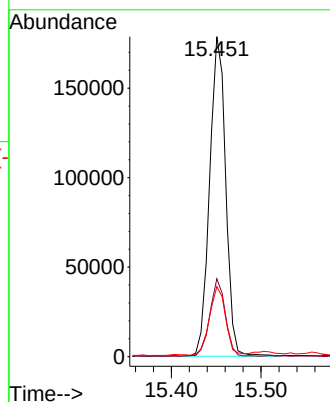
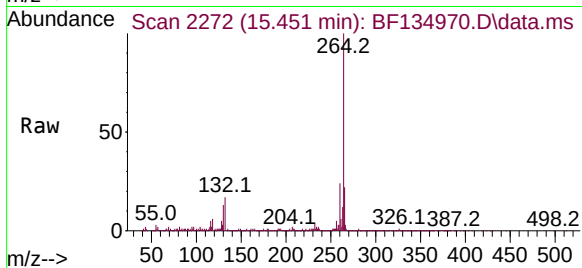
Tgt Ion:264 Resp: 221793

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 21.9 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 7.170 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF134970.D

Acq: 28 Aug 2023 16:00

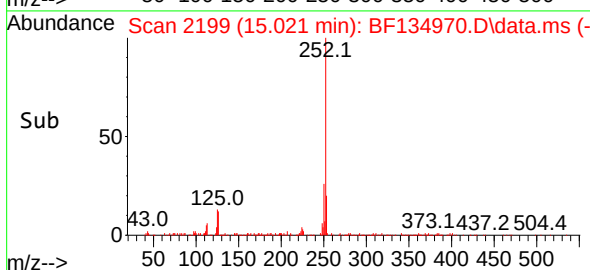
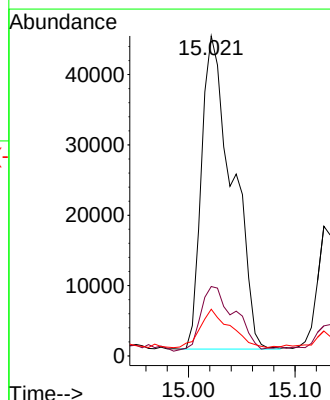
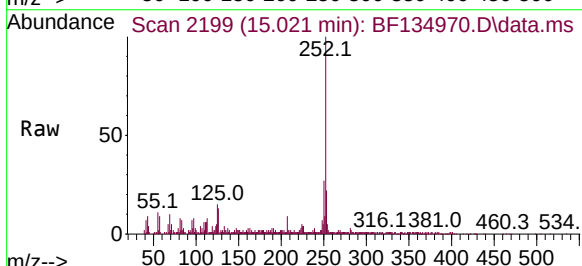
Tgt Ion:252 Resp: 89726

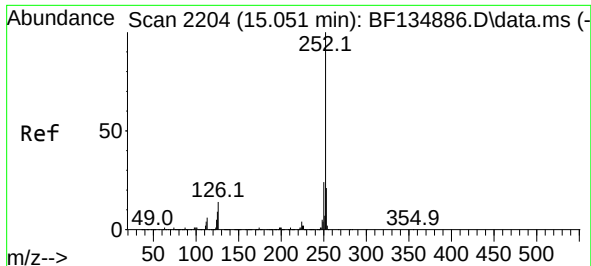
Ion Ratio Lower Upper

252 100

253 21.7 18.1 27.1

125 14.6 8.4 12.6#

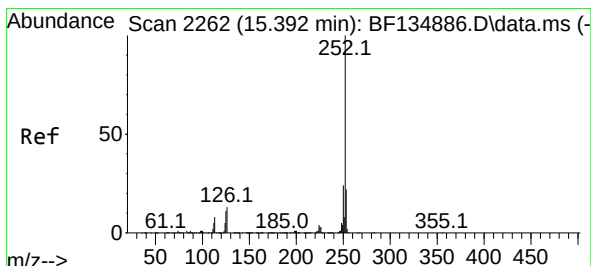
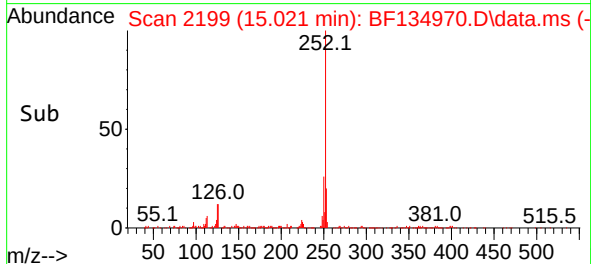
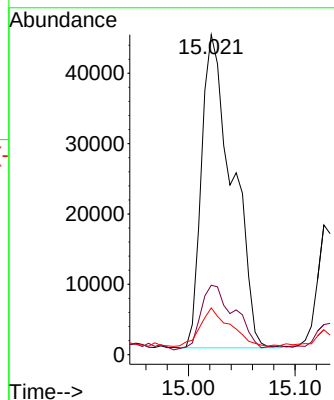
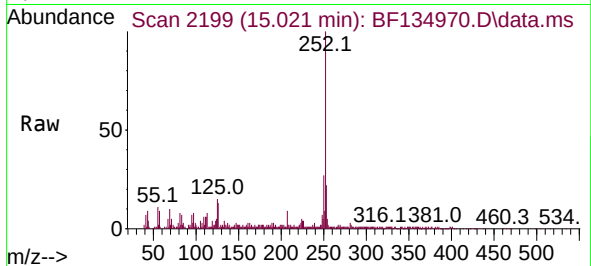




#89
Benzo(k)fluoranthene
Concen: 7.302 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z45-46DL

Tgt Ion:252 Resp: 89726
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 14.6 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 6.490 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF134970.D
Acq: 28 Aug 2023 16:00

Tgt Ion:252 Resp: 81077
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 11.8 8.4 12.6

