

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134234.D
 Acq On : 12 Jul 2023 02:49
 Operator : CG\JU
 Sample : 03375-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 03:56:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

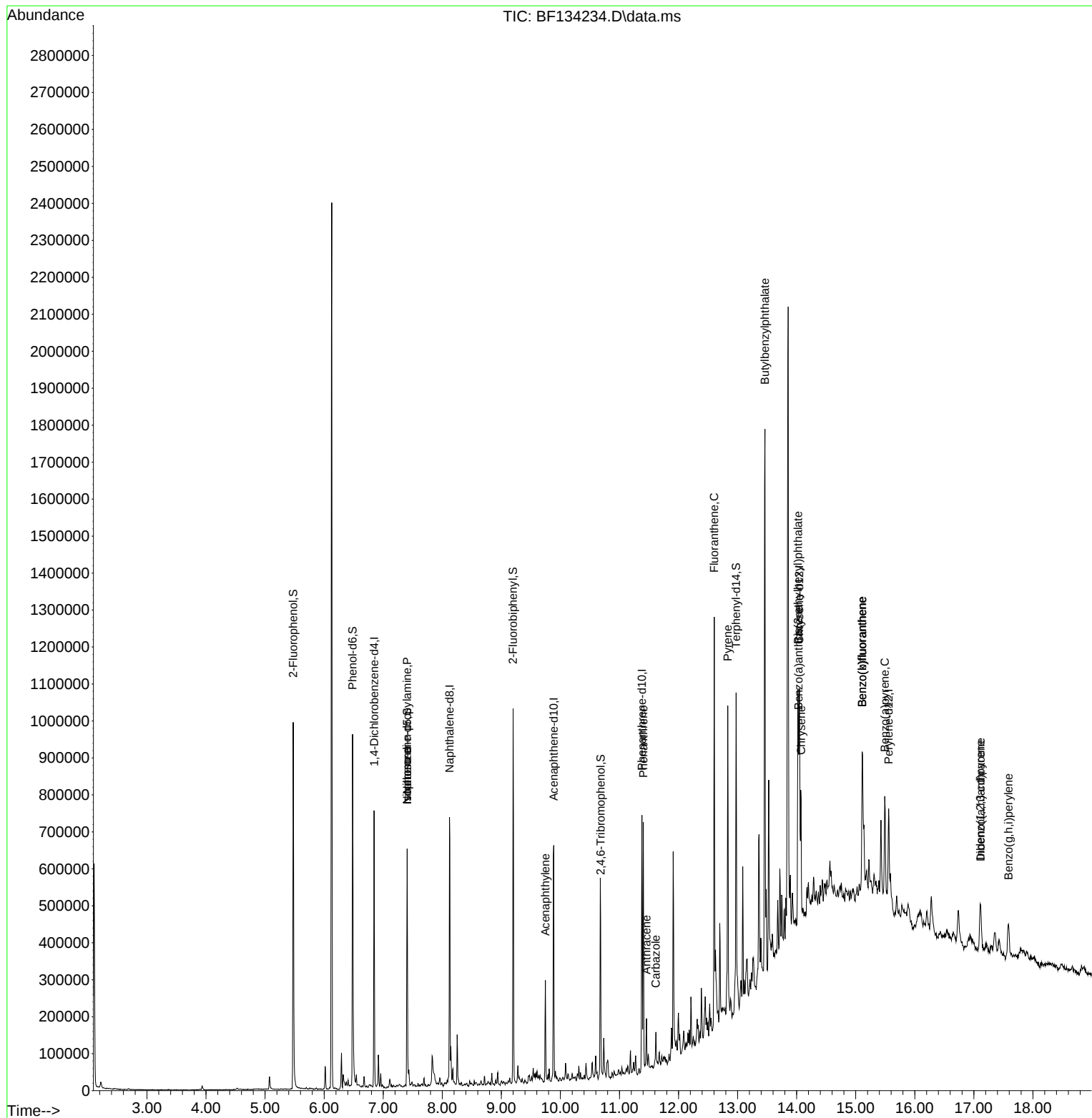
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	95241	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	319506	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	126880	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	244039	20.000	ng	0.00
76) Chrysene-d12	14.045	240	145469	20.000	ng	0.00
86) Perylene-d12	15.557	264	119925	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	255177	44.818	ng	0.00
7) Phenol-d6	6.481	99	280909	40.118	ng	0.00
23) Nitrobenzene-d5	7.404	82	174043	29.364	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	62169	39.080	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	276290	31.660	ng	0.00
79) Terphenyl-d14	12.975	244	265807	29.408	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	24506	5.519	ng	# 77
25) Isophorone	7.404	82	172875	16.048	ng	# 64
49) Acenaphthylene	9.745	152	104767	8.236	ng	99
71) Phenanthrene	11.404	178	224781	18.297	ng	98
72) Anthracene	11.457	178	58625	4.588	ng	98
73) Carbazole	11.616	167	38199	3.266	ng	97
75) Fluoranthene	12.604	202	404271	30.438	ng	98
78) Pyrene	12.833	202	325473	24.042	ng	99
80) Butylbenzylphthalate	13.463	149	356149	70.145	ng	97
81) Benzo(a)anthracene	14.033	228	133266	13.210	ng	94
83) Chrysene	14.074	228	148013	15.148	ng	98
84) Bis(2-ethylhexyl)phtha...	14.022	149	76774	13.159	ng	96
87) Indeno(1,2,3-cd)pyrene	17.110	276	105733	12.706	ng	# 92
88) Benzo(b)fluoranthene	15.110	252	280442	39.770	ng	97
89) Benzo(k)fluoranthene	15.110	252	280442	39.060	ng	96
90) Benzo(a)pyrene	15.492	252	115883	16.994	ng	94
91) Dibenzo(a,h)anthracene	17.115	278	29893	4.398	ng	# 87
92) Benzo(g,h,i)perylene	17.586	276	93891	13.395	ng	95

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

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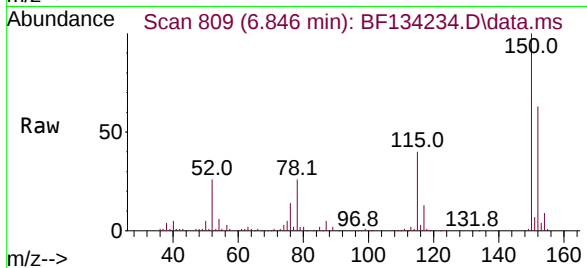
Quant Time: Jul 12 03:56:15 2023
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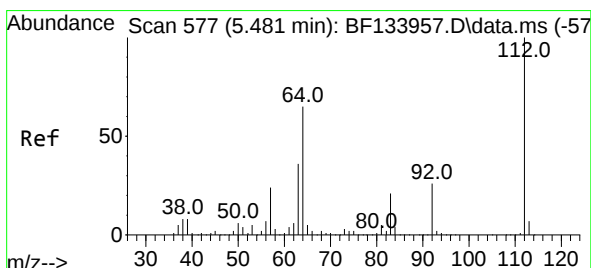
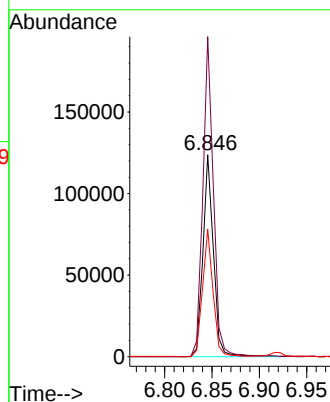
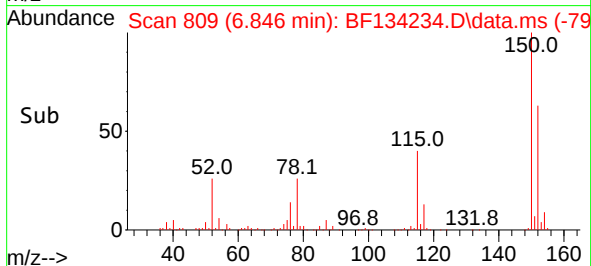


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

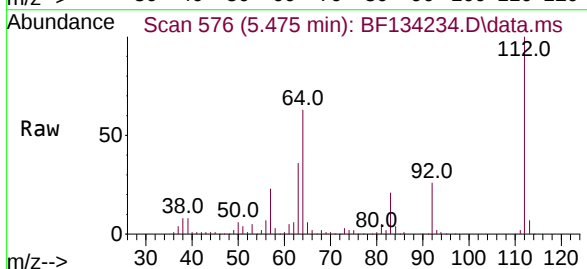
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BNA_F
ClientSampleId :



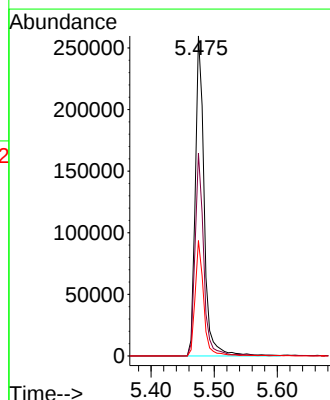
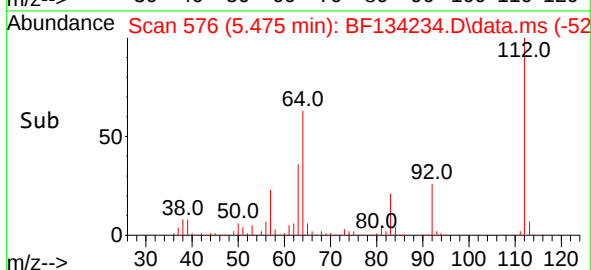
Tgt Ion:152 Resp: 95241
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 63.1 50.2 75.2

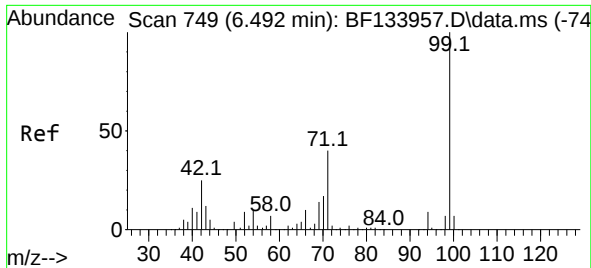


#5
2-Fluorophenol
Concen: 44.818 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49



Tgt Ion:112 Resp: 255177
Ion Ratio Lower Upper
112 100
64 63.4 52.1 78.1
63 36.0 28.6 42.8

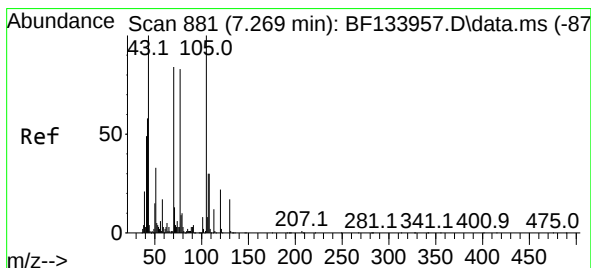
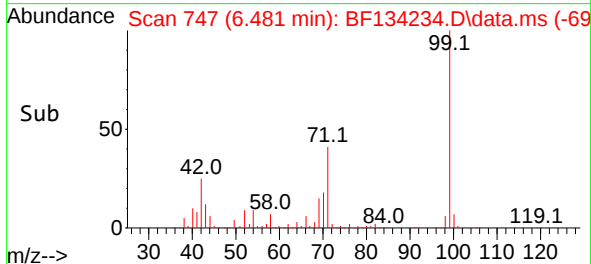
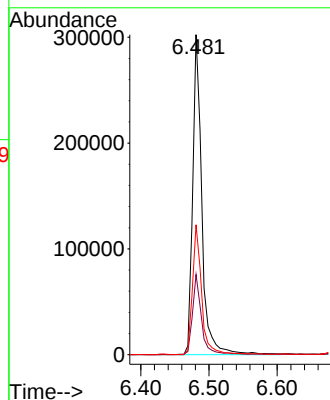
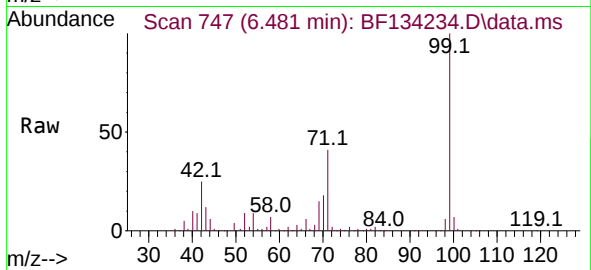




#7
Phenol-d6
Concen: 40.118 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

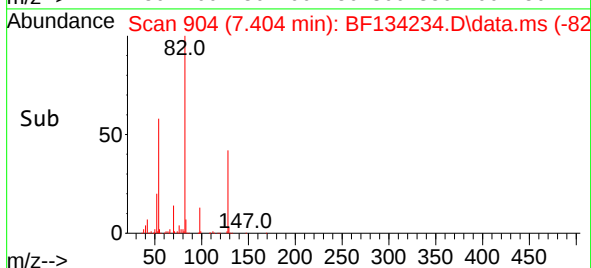
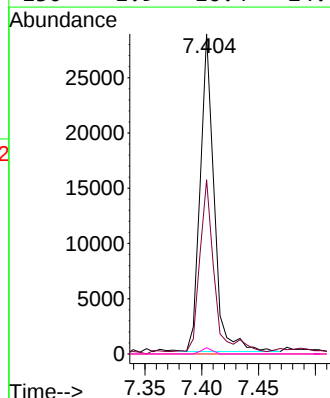
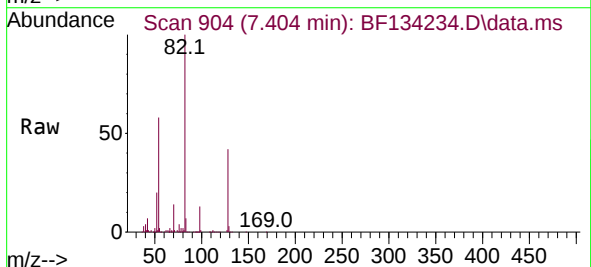
Instrument :
BNA_F
ClientSampleId :

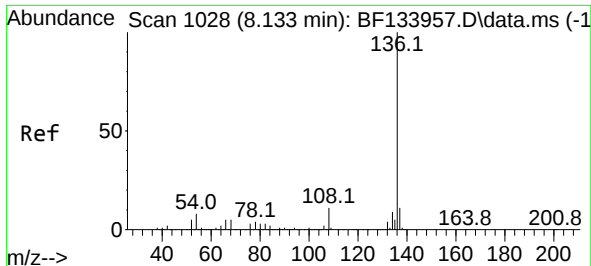
Tgt Ion: 99 Resp: 280909
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.6
71 40.6 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.519 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Tgt Ion: 70 Resp: 24506
Ion Ratio Lower Upper
70 100
42 54.5 54.7 82.1#
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

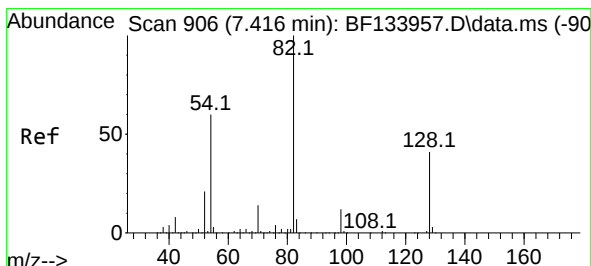
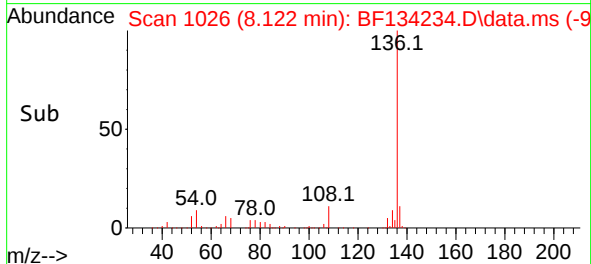
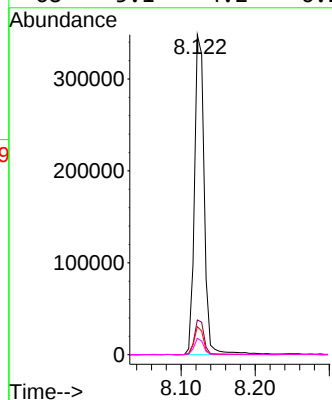
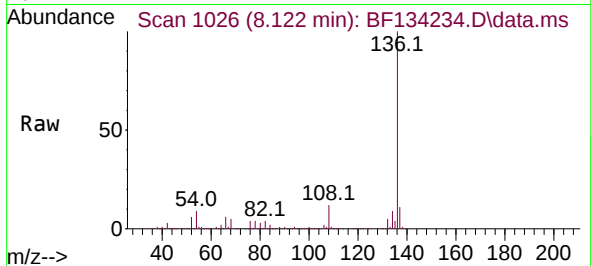




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

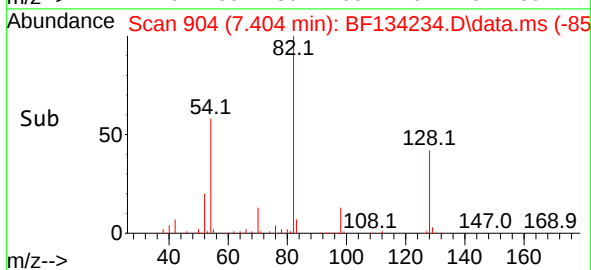
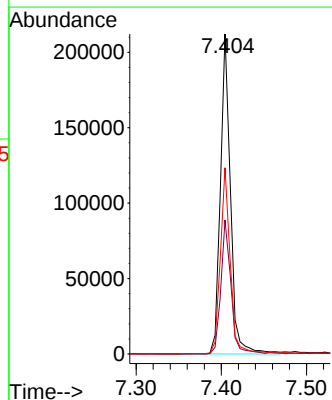
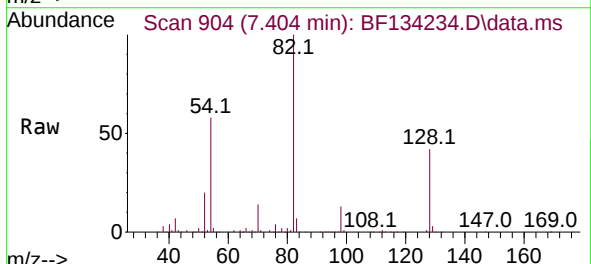
Instrument :
BNA_F
ClientSampleId :

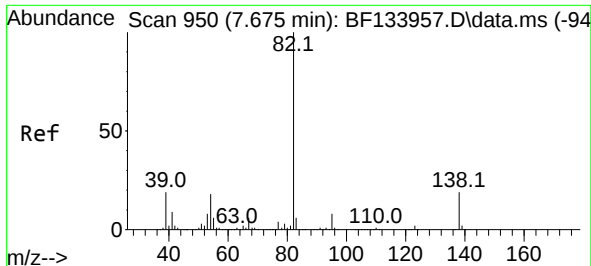
Tgt Ion:136 Resp: 319506
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.8 6.5 9.7
68 5.1 4.2 6.2



#23
Nitrobenzene-d5
Concen: 29.364 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

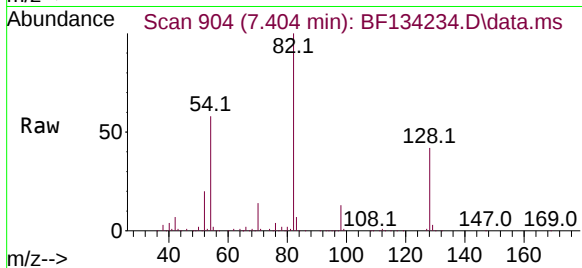
Tgt Ion: 82 Resp: 174043
Ion Ratio Lower Upper
82 100
128 41.9 32.5 48.7
54 58.2 48.2 72.2



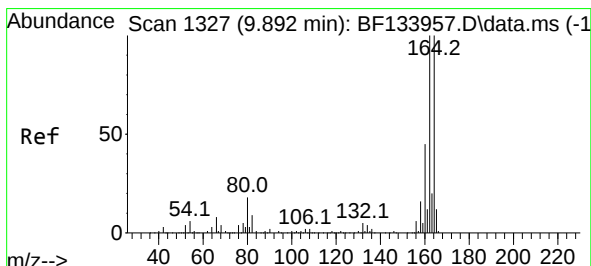
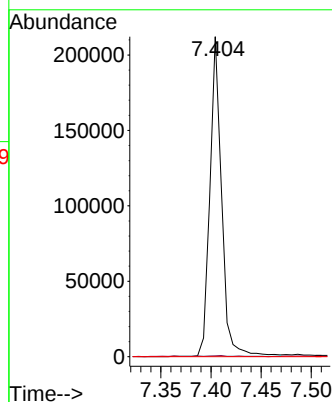
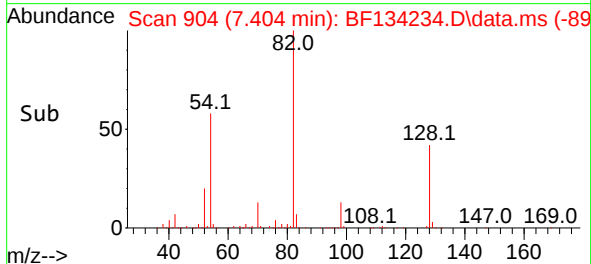


#25
Isophorone
Concen: 16.048 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Instrument :
BNA_F
ClientSampleId :

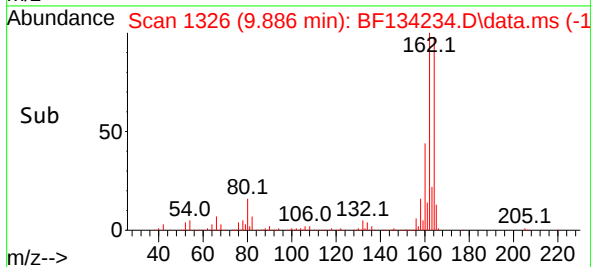
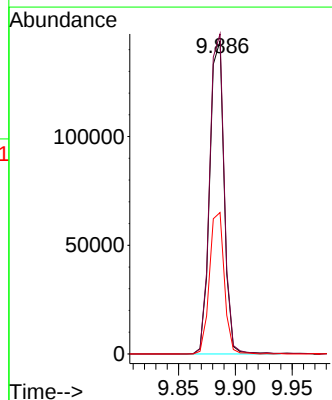
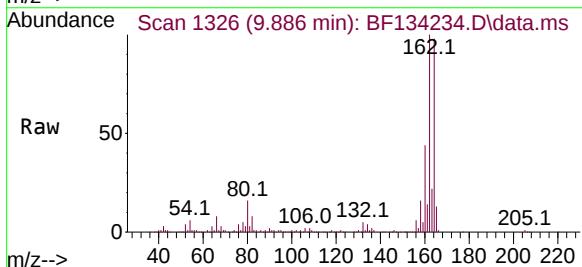


Tgt Ion: 82 Resp: 172875
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Tgt Ion:164 Resp: 126880
Ion Ratio Lower Upper
164 100
162 102.2 80.0 120.0
160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 39.080 ng

RT: 10.681 min Scan# 1462

Delta R.T. 0.000 min

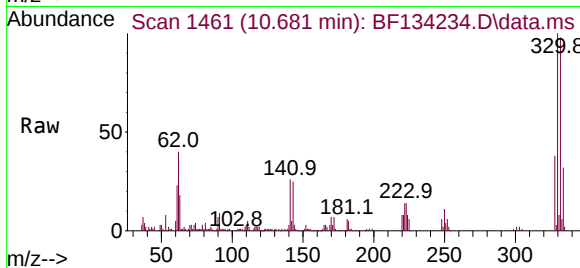
Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

Instrument :

BNA_F

ClientSampleId :



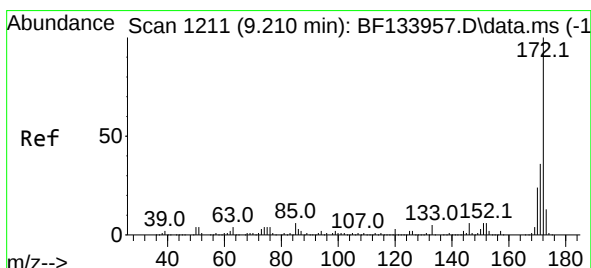
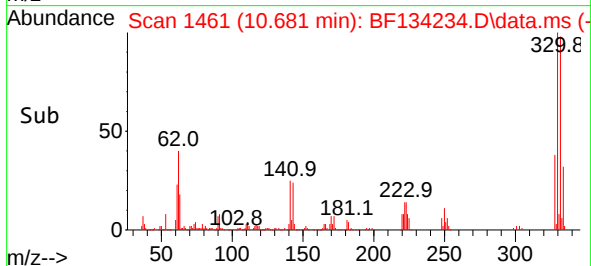
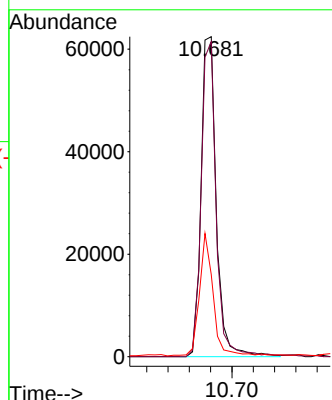
Tgt Ion:330 Resp: 62169

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

141 33.4 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 31.660 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

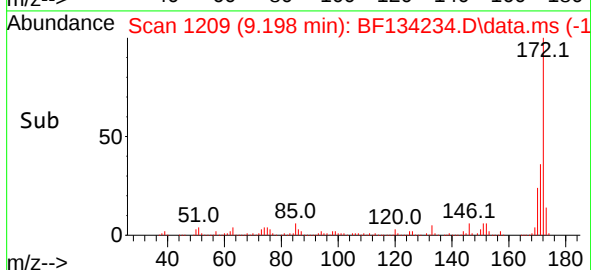
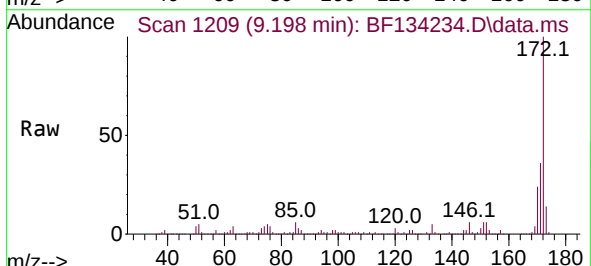
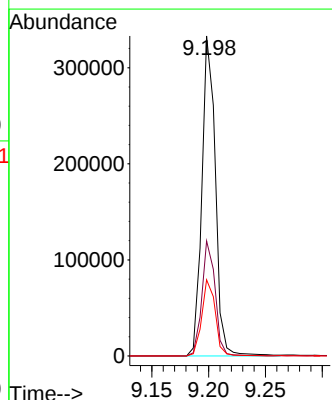
Tgt Ion:172 Resp: 276290

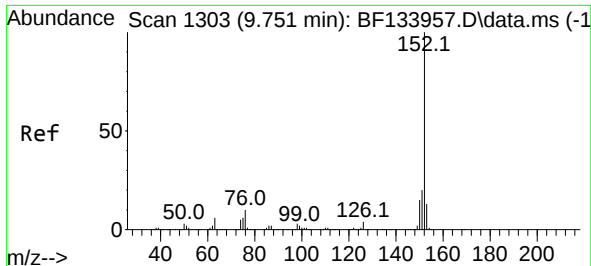
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.8 19.4 29.0





#49

Acenaphthylene

Concen: 8.236 ng

RT: 9.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

Instrument :

BNA_F

ClientSampleId :

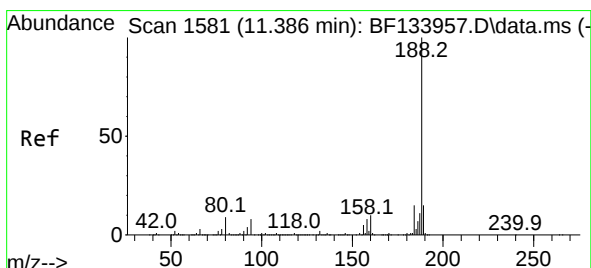
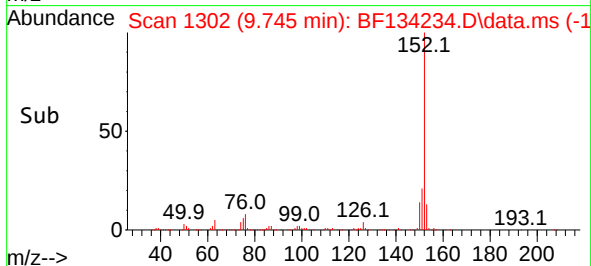
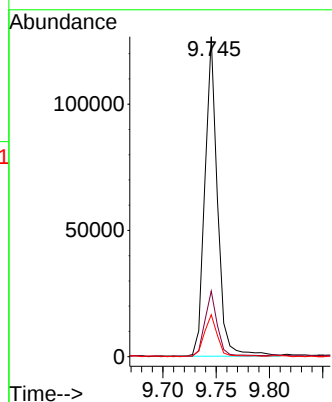
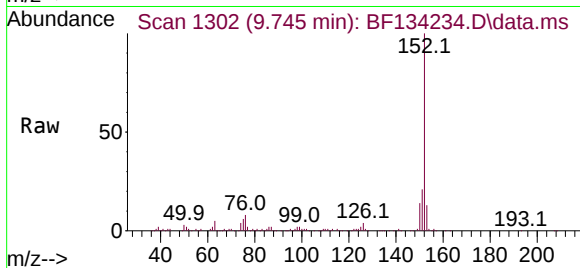
Tgt Ion:152 Resp: 104767

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

153 13.1 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.381 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

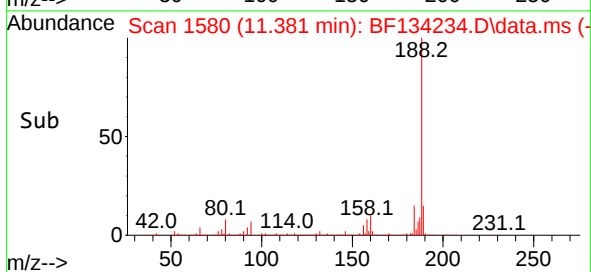
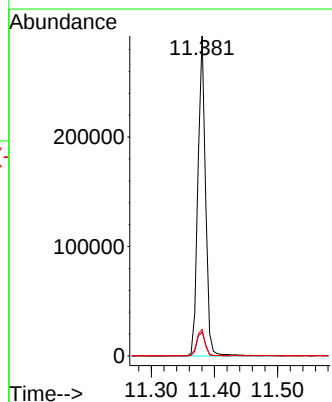
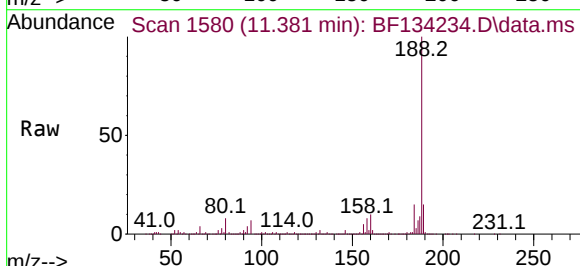
Tgt Ion:188 Resp: 244039

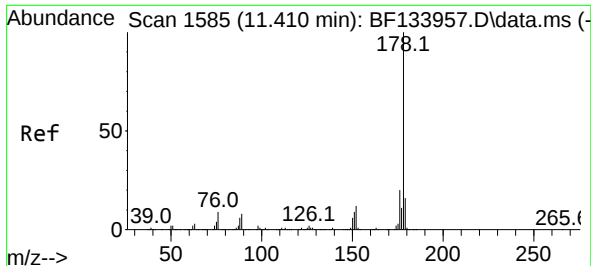
Ion Ratio Lower Upper

188 100

94 7.4 6.4 9.6

80 8.3 7.3 10.9

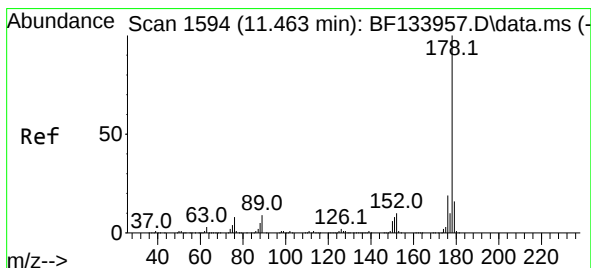
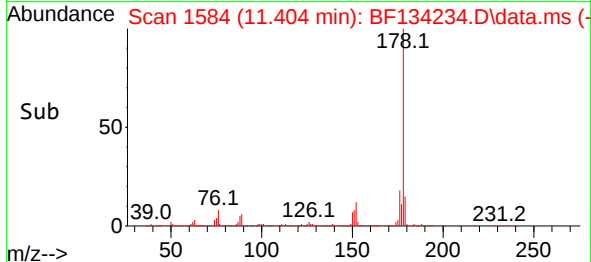
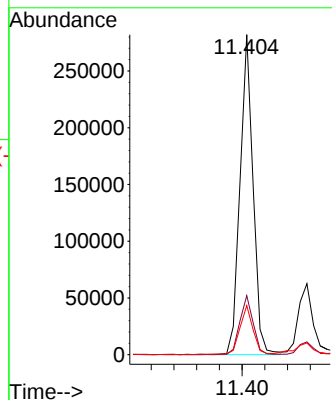
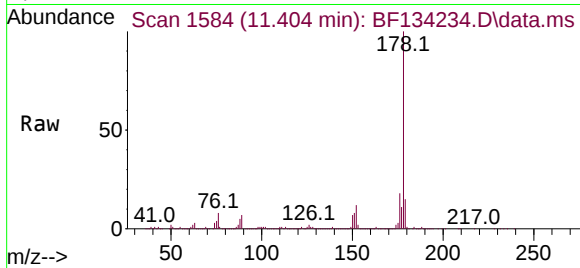




#71
Phenanthrene
Concen: 18.297 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

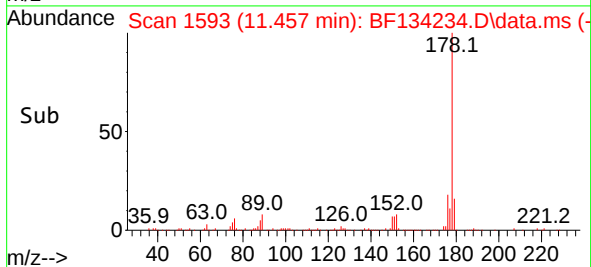
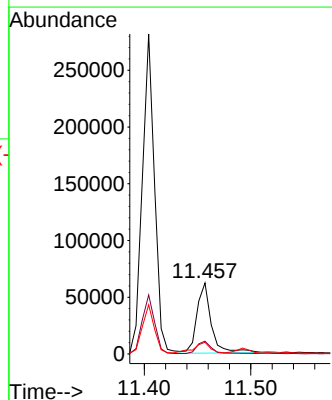
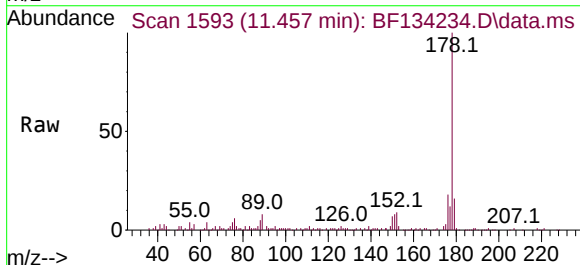
Instrument :
BNA_F
ClientSampleId :

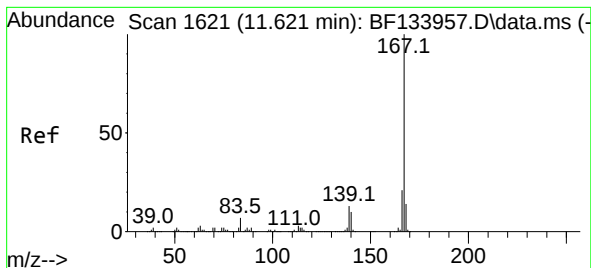
Tgt Ion:178 Resp: 224781
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 4.588 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Tgt Ion:178 Resp: 58625
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 16.4 12.4 18.6





#73

Carbazole

Concen: 3.266 ng

RT: 11.616 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

Instrument :

BNA_F

ClientSampleId :

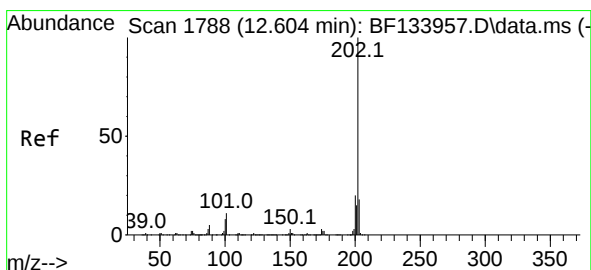
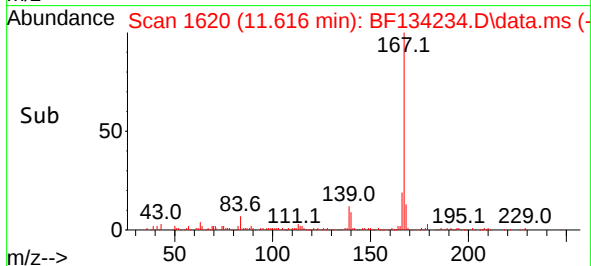
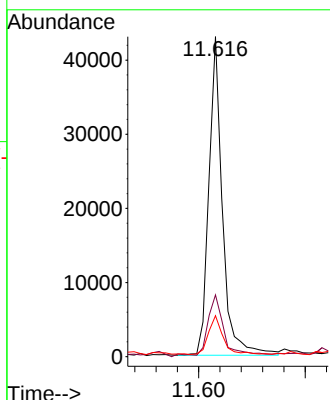
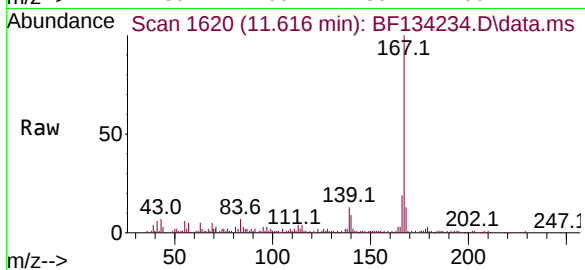
Tgt Ion:167 Resp: 38199

Ion Ratio Lower Upper

167 100

166 19.3 17.0 25.6

139 12.8 10.4 15.6



#75

Fluoranthene

Concen: 30.438 ng

RT: 12.604 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

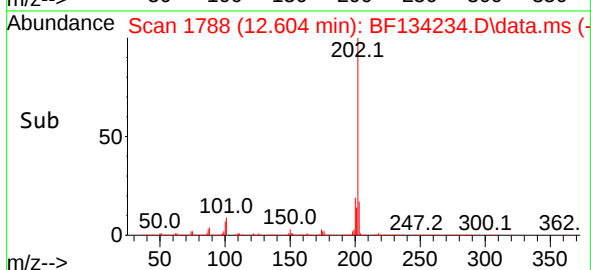
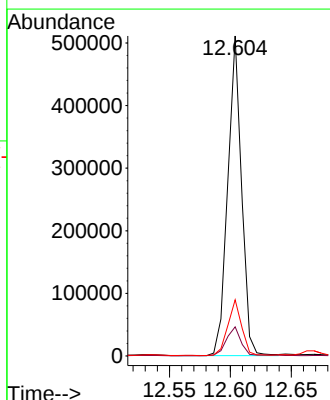
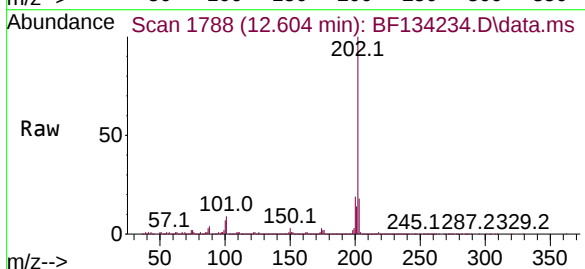
Tgt Ion:202 Resp: 404271

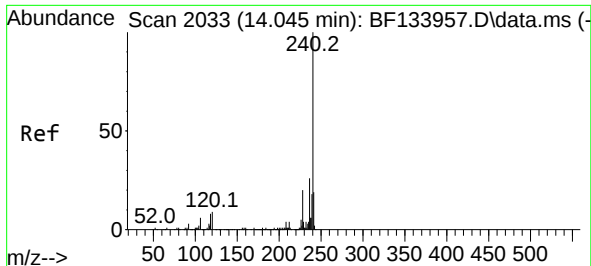
Ion Ratio Lower Upper

202 100

101 9.1 0.0 31.0

203 17.6 0.0 37.6

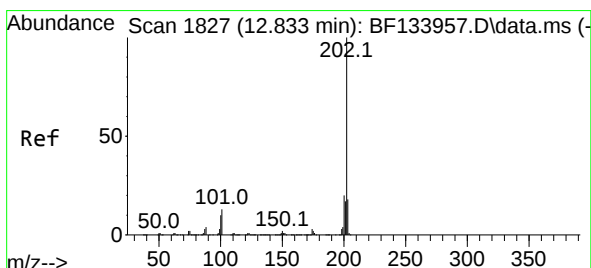
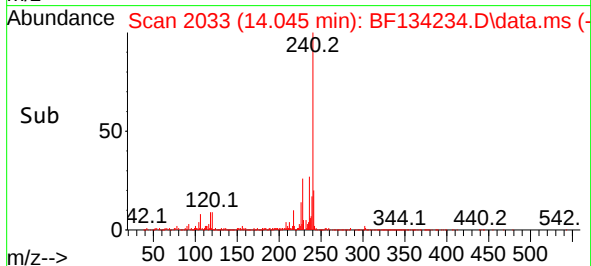
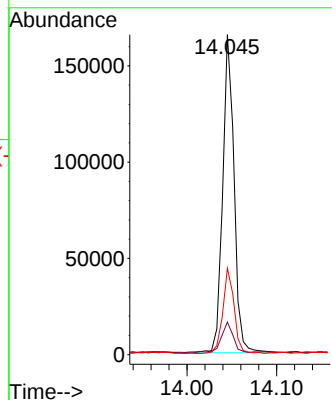
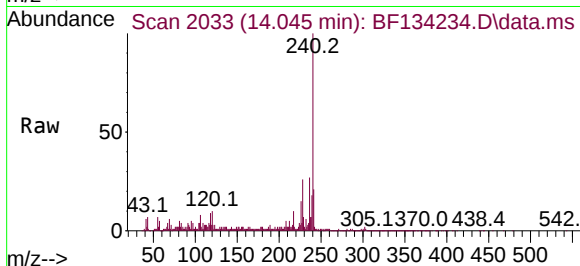




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

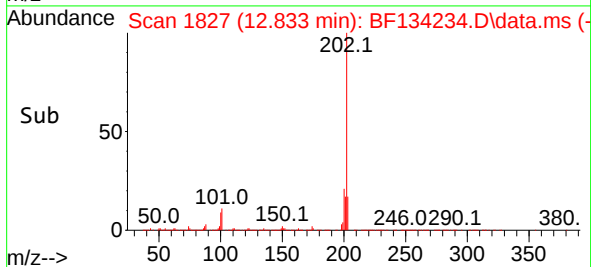
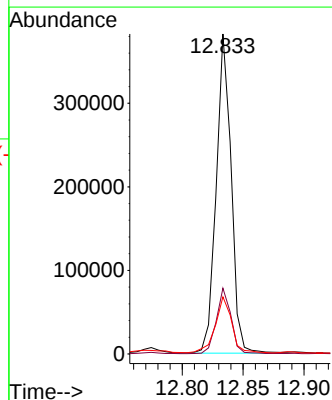
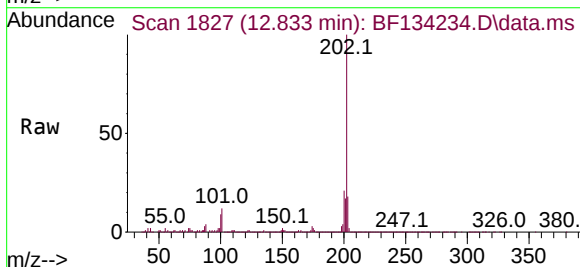
Instrument :
BNA_F
ClientSampleId :

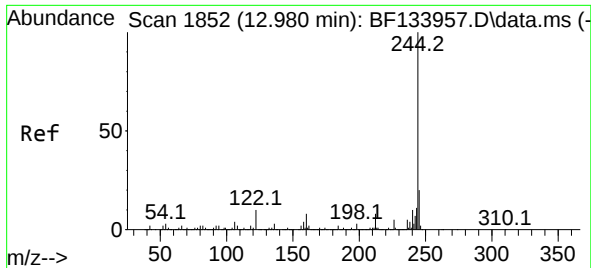
Tgt Ion:240 Resp: 145469
Ion Ratio Lower Upper
240 100
120 10.2 7.4 11.0
236 27.0 21.0 31.6



#78
Pyrene
Concen: 24.042 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Tgt Ion:202 Resp: 325473
Ion Ratio Lower Upper
202 100
200 20.6 16.1 24.1
203 17.9 14.3 21.5

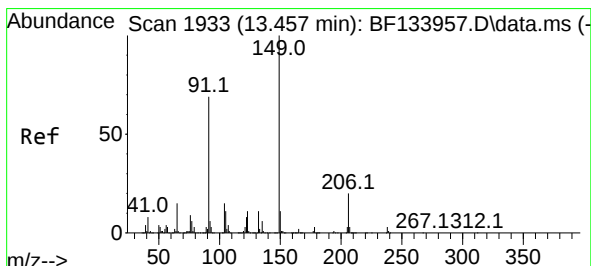
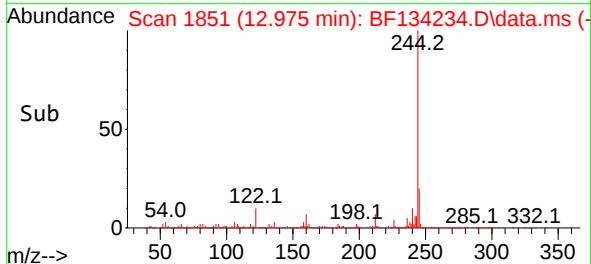
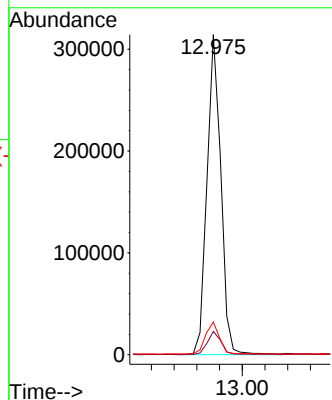
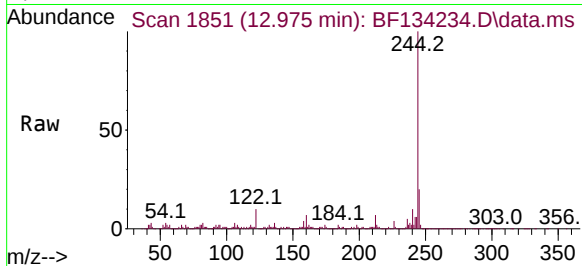




#79
 Terphenyl-d14
 Concen: 29.408 ng
 RT: 12.975 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134234.D
 Acq: 12 Jul 2023 02:49

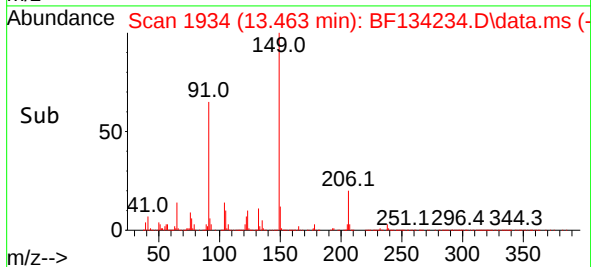
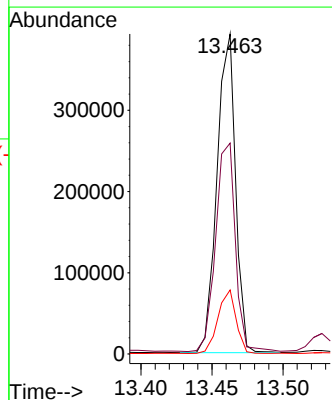
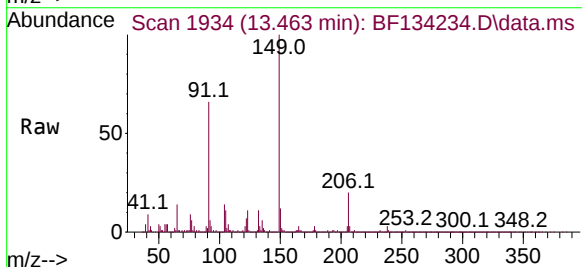
Instrument :
 BNA_F
 ClientSampleId :

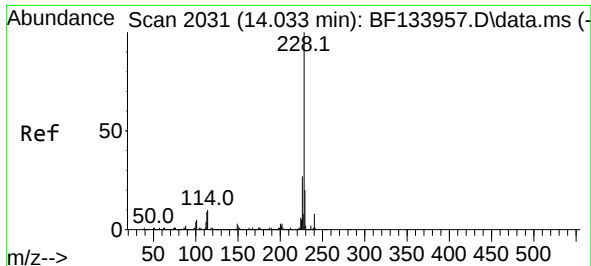
Tgt Ion:244 Resp: 265807
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 10.2 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 70.145 ng
 RT: 13.463 min Scan# 1934
 Delta R.T. 0.012 min
 Lab File: BF134234.D
 Acq: 12 Jul 2023 02:49

Tgt Ion:149 Resp: 356149
 Ion Ratio Lower Upper
 149 100
 91 65.9 55.1 82.7
 206 20.0 15.7 23.5

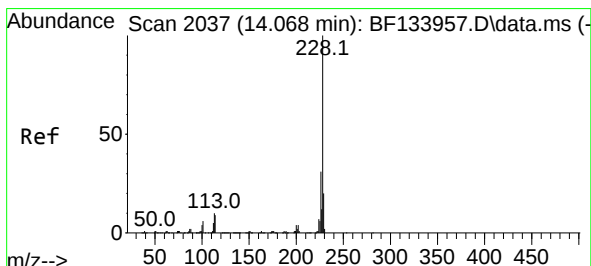
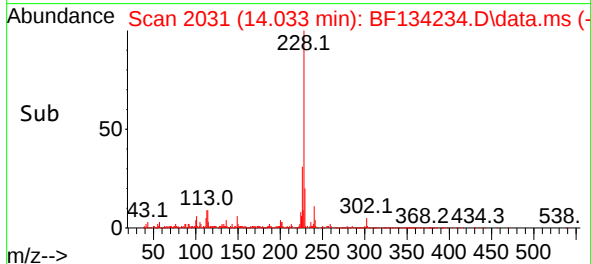
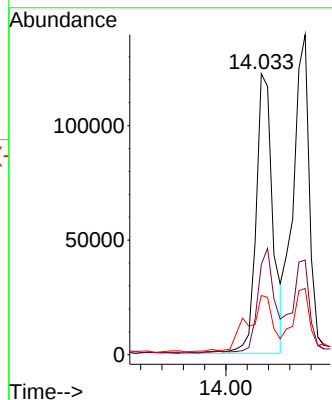
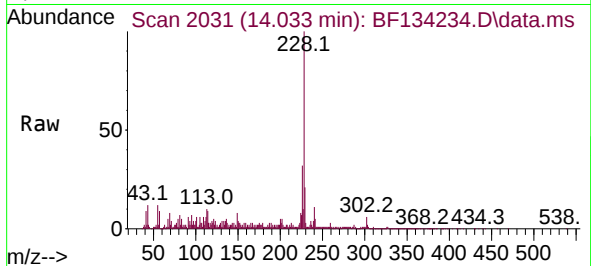




#81
Benzo(a)anthracene
Concen: 13.210 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

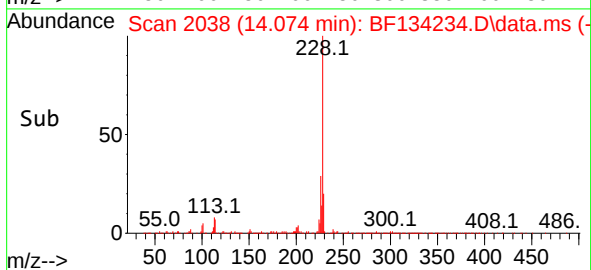
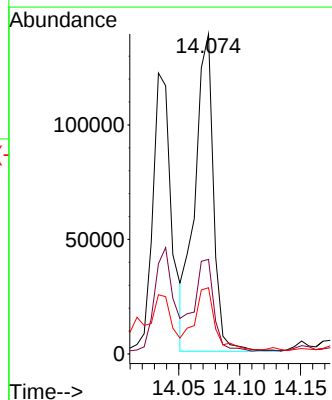
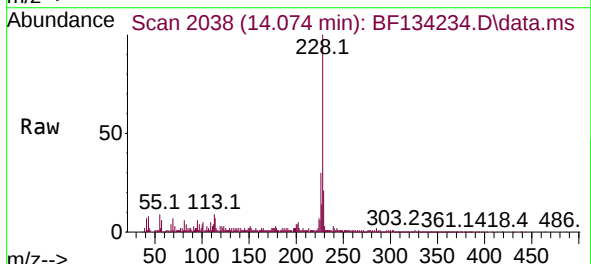
Instrument :
BNA_F
ClientSampleId :

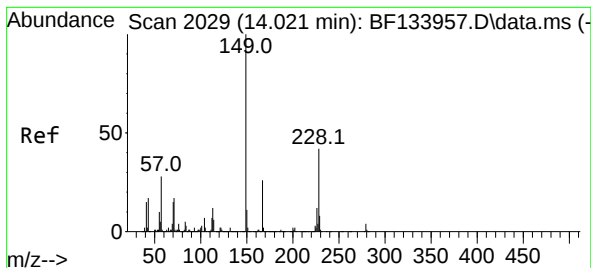
Tgt Ion:228 Resp: 133266
Ion Ratio Lower Upper
228 100
226 32.1 22.0 33.0
229 21.1 16.3 24.5



#83
Chrysene
Concen: 15.148 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Tgt Ion:228 Resp: 148013
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 20.7 16.1 24.1

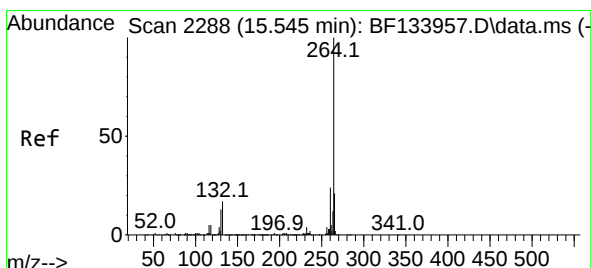
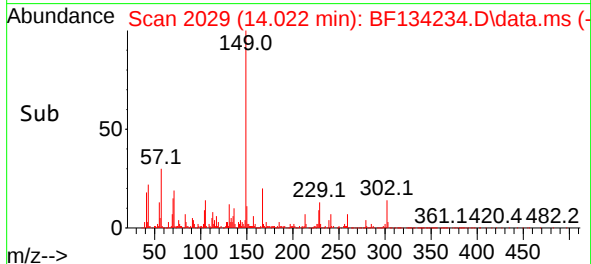
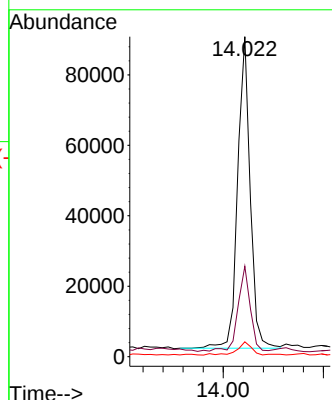
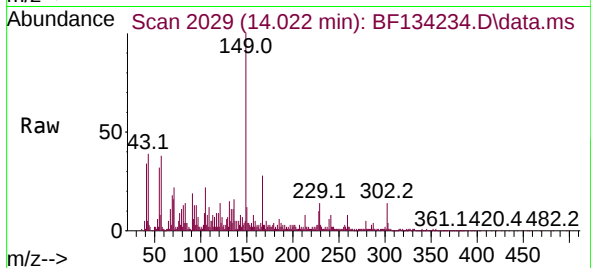




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.159 ng
RT: 14.022 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

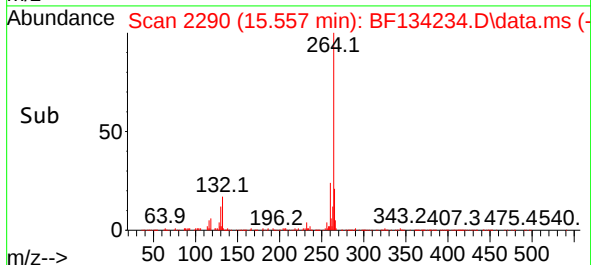
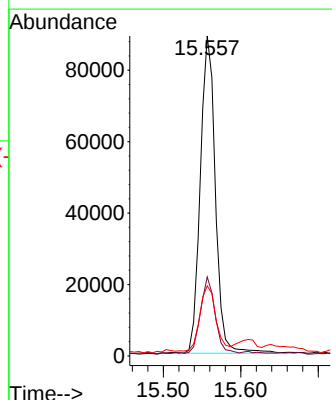
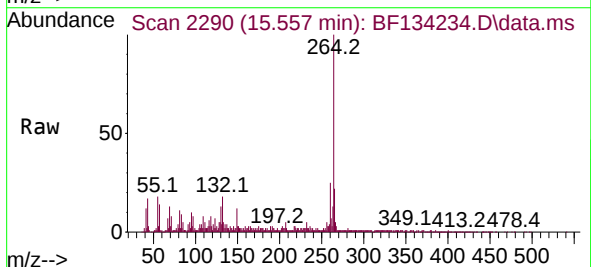
Instrument :
BNA_F
ClientSampleId :

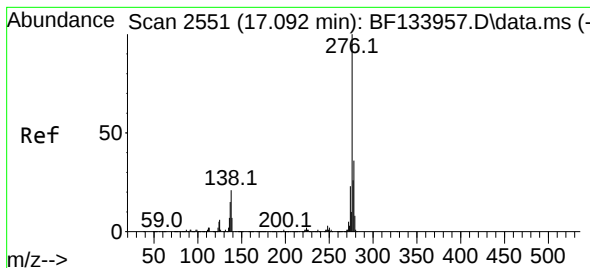
Tgt Ion:149 Resp: 76774
Ion Ratio Lower Upper
149 100
167 28.3 21.0 31.4
279 4.7 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Tgt Ion:264 Resp: 119925
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.706 ng

RT: 17.110 min Scan# 2114

Delta R.T. 0.012 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

Instrument :

BNA_F

ClientSampleId :

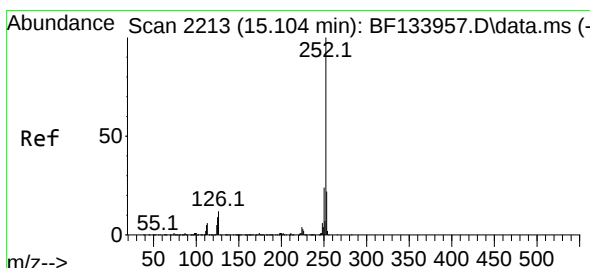
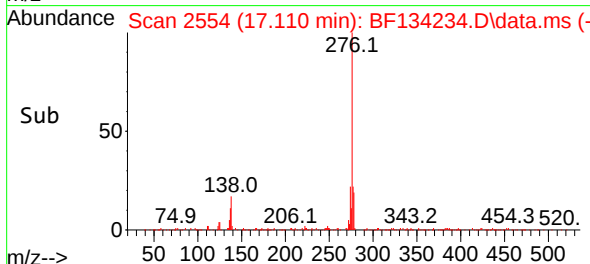
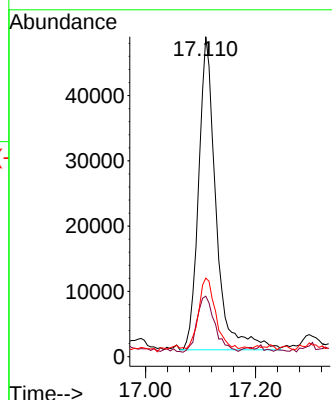
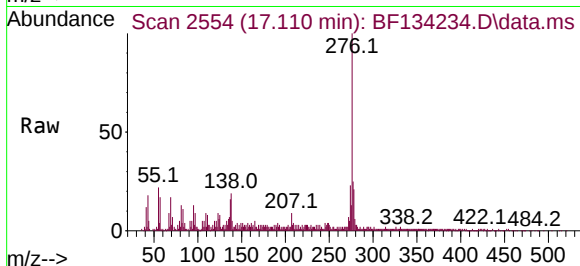
Tgt Ion:276 Resp: 105733

Ion Ratio Lower Upper

276 100

138 18.4 18.7 28.1#

277 21.8 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 39.770 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

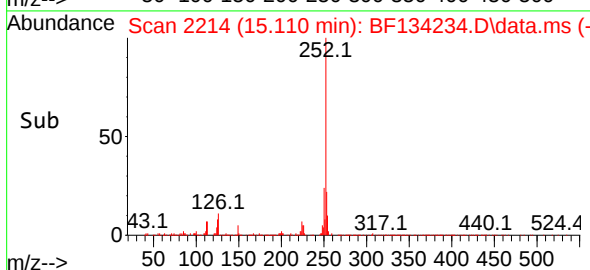
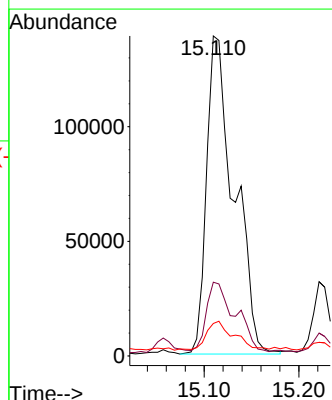
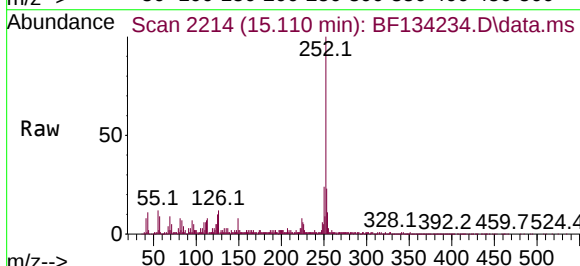
Tgt Ion:252 Resp: 280442

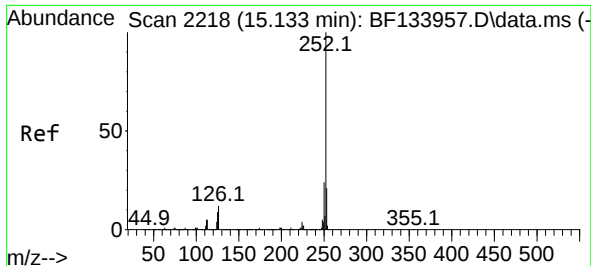
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.1 7.1 10.7

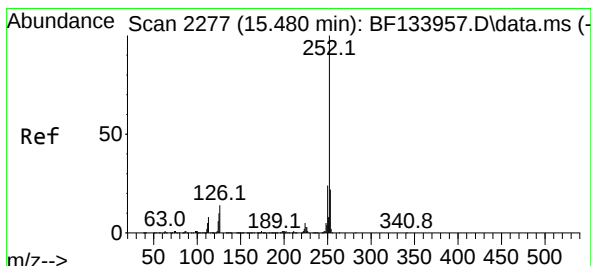
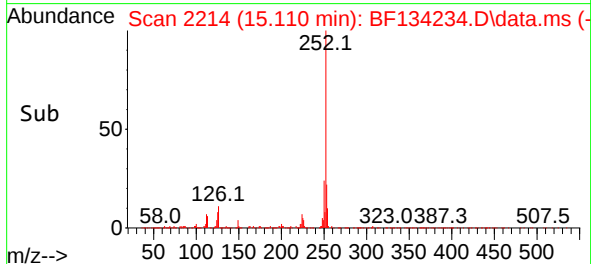
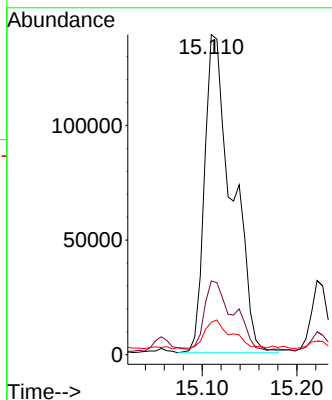
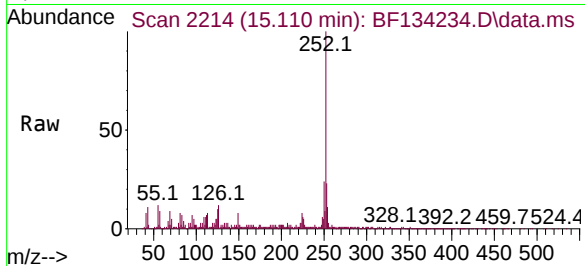




#89
Benzo(k)fluoranthene
Concen: 39.060 ng
RT: 15.110 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

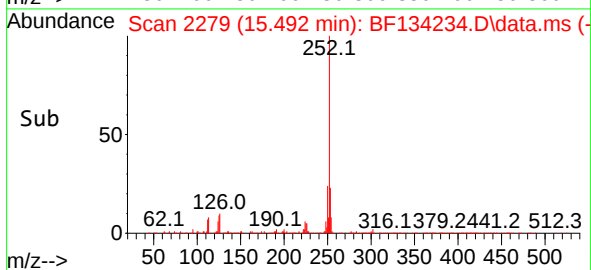
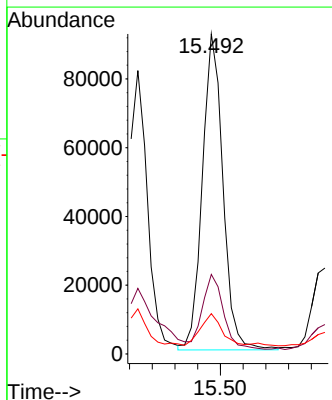
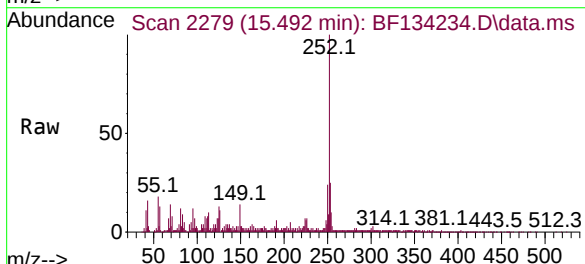
Instrument :
BNA_F
ClientSampleId :

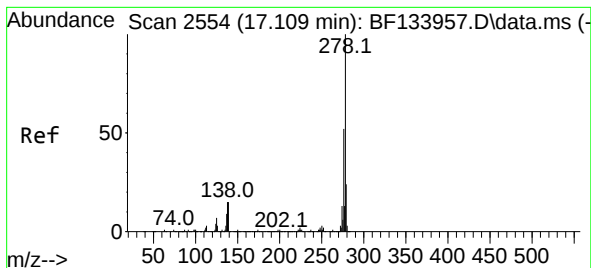
Tgt Ion:252 Resp: 280442
Ion Ratio Lower Upper
252 100
253 23.0 16.9 25.3
125 10.1 7.4 11.2



#90
Benzo(a)pyrene
Concen: 16.994 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF134234.D
Acq: 12 Jul 2023 02:49

Tgt Ion:252 Resp: 115883
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 12.6 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 4.398 ng

RT: 17.115 min Scan# 2

Delta R.T. 0.000 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

Instrument :

BNF

ClientSampleId :

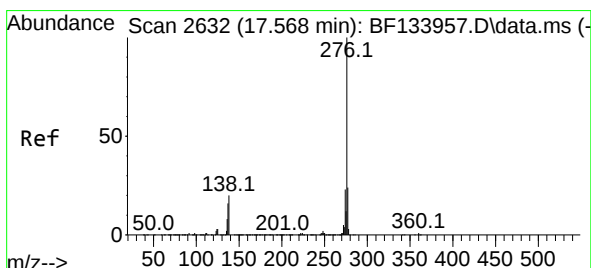
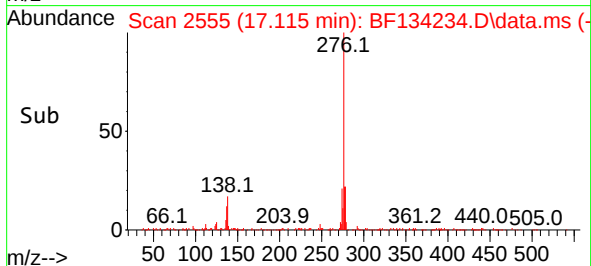
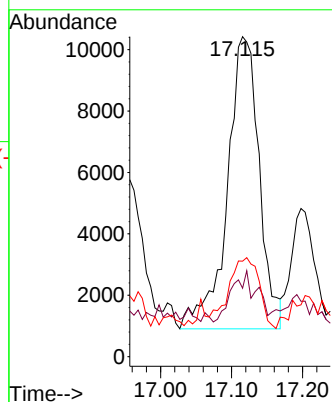
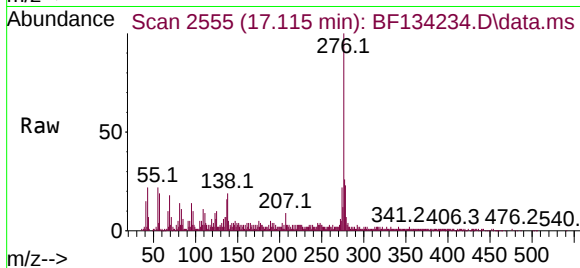
Tgt Ion:278 Resp: 29893

Ion Ratio Lower Upper

278 100

139 21.4 12.2 18.4#

279 29.9 19.4 29.2#



#92

Benzo(g,h,i)perylene

Concen: 13.395 ng

RT: 17.586 min Scan# 2635

Delta R.T. 0.018 min

Lab File: BF134234.D

Acq: 12 Jul 2023 02:49

Tgt Ion:276 Resp: 93891

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.6

138 19.0 16.2 24.2

