

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134003.D
 Acq On : 27 Jun 2023 21:49
 Operator : CG\JU
 Sample : 03355-08 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Quant Time: Jun 28 01:31:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

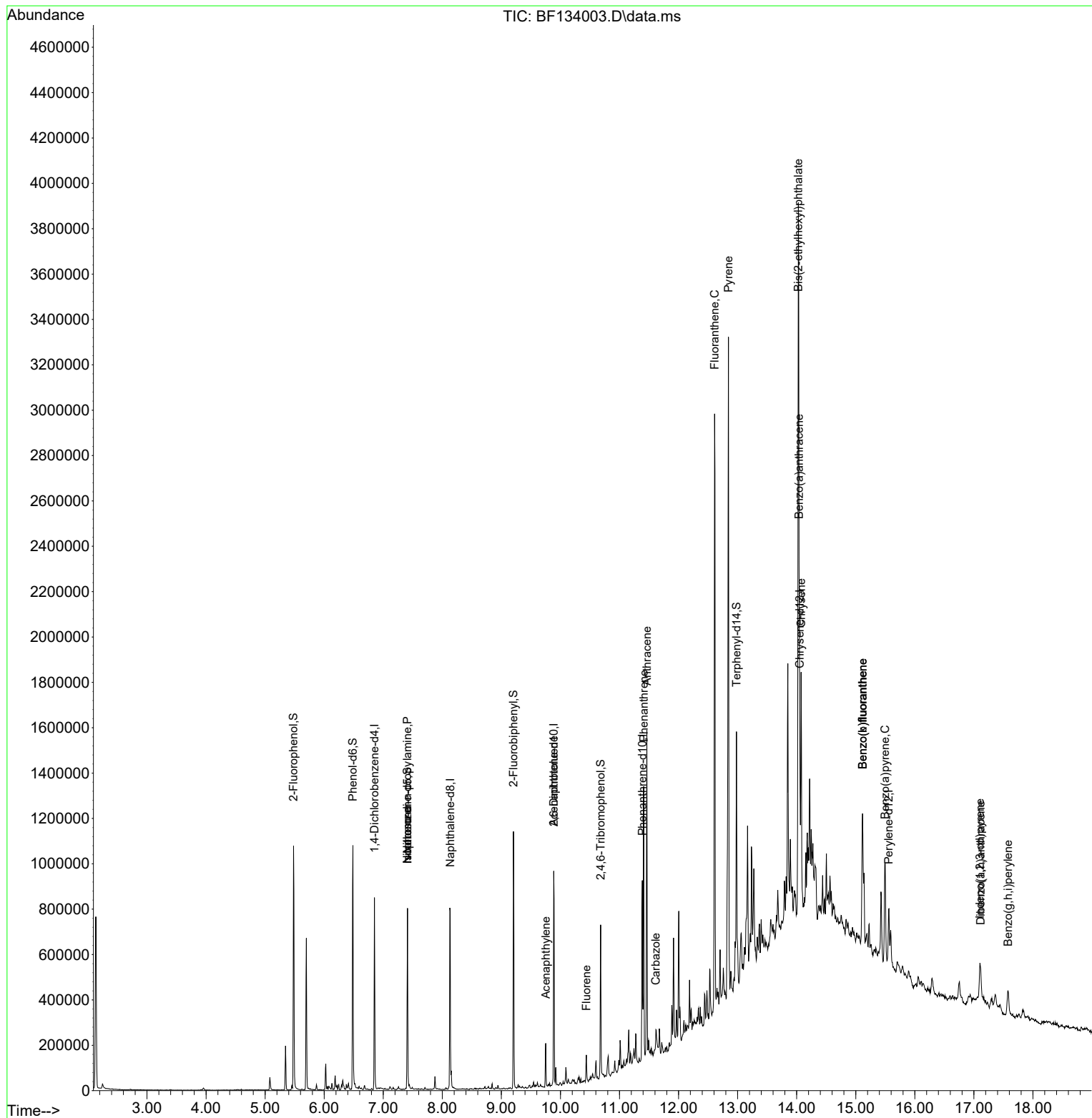
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	106946	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	360979	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	155309	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	294189	20.000	ng	0.00
76) Chrysene-d12	14.051	240	165170	20.000	ng	0.00
86) Perylene-d12	15.557	264	115586	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	275061	43.023	ng	0.00
7) Phenol-d6	6.487	99	315131	40.080	ng	0.00
23) Nitrobenzene-d5	7.410	82	208167	31.086	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	70188	36.044	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	321705	30.116	ng	0.00
79) Terphenyl-d14	12.980	244	346353	33.749	ng	0.00
Target Compounds						
9) Benzaldehyde	6.410	77	1904	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	29517	5.920 ng	#	36
25) Isophorone	7.410	82	208165	17.104 ng	#	79
49) Acenaphthylene	9.751	152	75329	4.838 ng	#	64
51) 2,6-Dinitrotoluene	9.886	165	20700	8.525 ng	#	97
58) Fluorene	10.439	166	29205	2.658 ng		26
71) Phenanthrene	11.410	178	419673	28.337 ng		98
72) Anthracene	11.463	178	521685	33.867 ng		98
73) Carbazole	11.616	167	37072	2.629 ng		100
75) Fluoranthene	12.610	202	1172737	73.246 ng		98
78) Pyrene	12.845	202	1258332	81.862 ng		99
81) Benzo(a)anthracene	14.039	228	460240	40.179 ng		99
83) Chrysene	14.074	228	417657	37.645 ng		97
84) Bis(2-ethylhexyl)phtha...	14.027	149	814155	122.905 ng		99
87) Indeno(1,2,3-cd)pyrene	17.104	276	119471	14.896 ng	#	95
88) Benzo(b)fluoranthene	15.115	252	465417	68.478 ng		97
89) Benzo(k)fluoranthene	15.115	252	465417	67.257 ng		97
90) Benzo(a)pyrene	15.498	252	231711	35.256 ng		99
91) Dibenzo(a,h)anthracene	17.115	278	33200	5.068 ng	#	83
92) Benzo(g,h,i)perylene	17.580	276	109816	16.255 ng		98

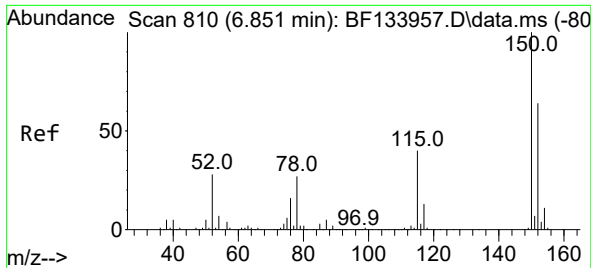
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134003.D
Acq On : 27 Jun 2023 21:49
Operator : CG\JU
Sample : 03355-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Quant Time: Jun 28 01:31:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
Response via : Initial Calibration

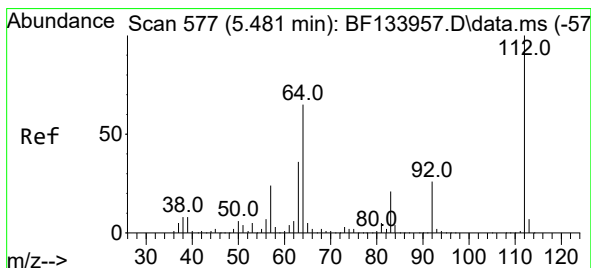
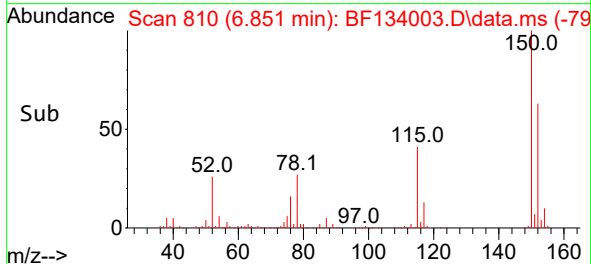
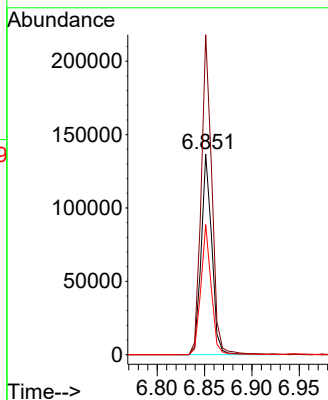
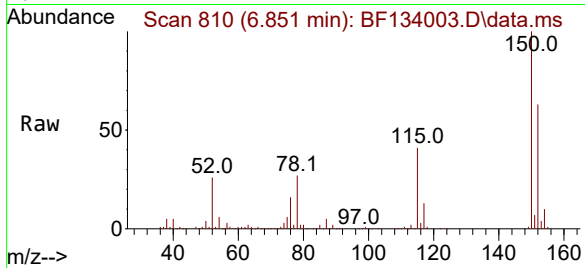




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

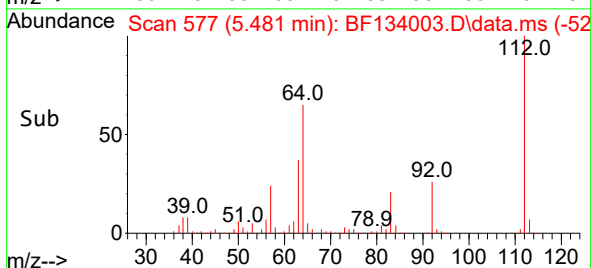
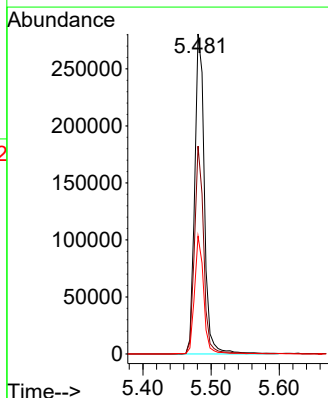
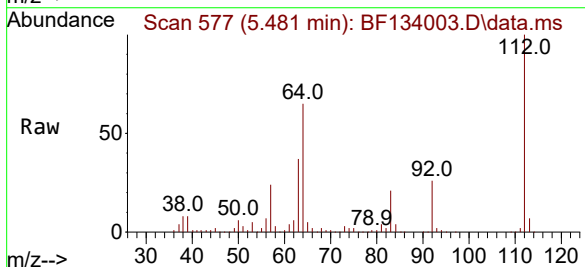
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

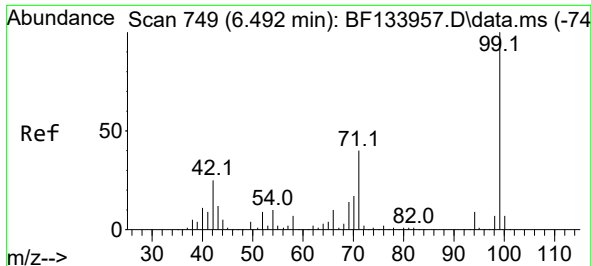
Tgt Ion:152 Resp: 106946
Ion Ratio Lower Upper
152 100
150 159.6 124.5 186.7
115 64.9 50.2 75.2



#5
2-Fluorophenol
Concen: 43.023 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:112 Resp: 275061
Ion Ratio Lower Upper
112 100
64 64.9 52.1 78.1
63 36.8 28.6 42.8

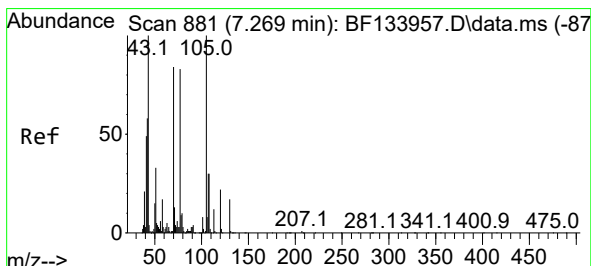
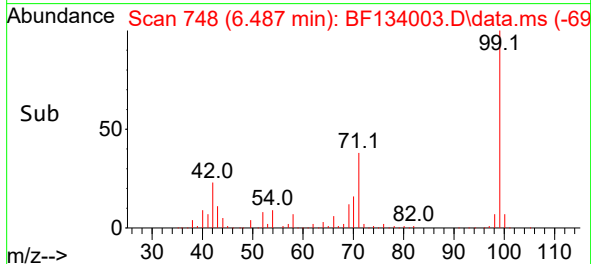
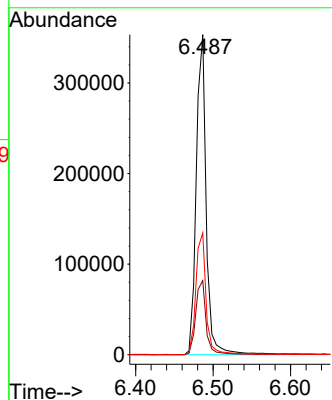
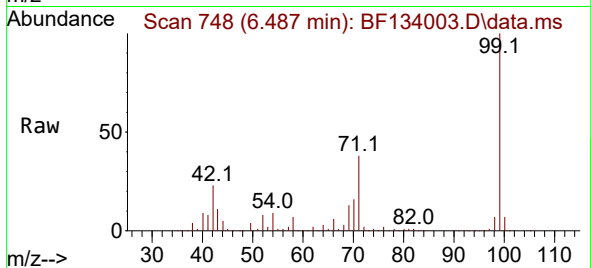




#7
Phenol-d6
Concen: 40.080 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

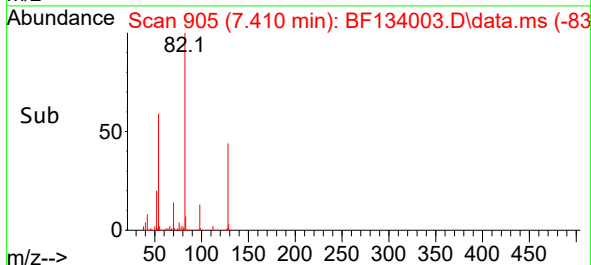
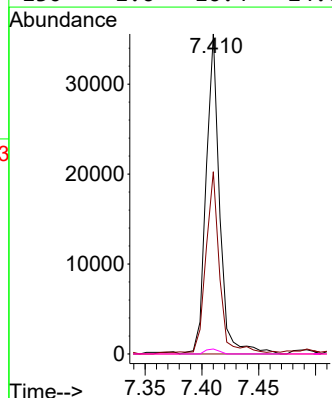
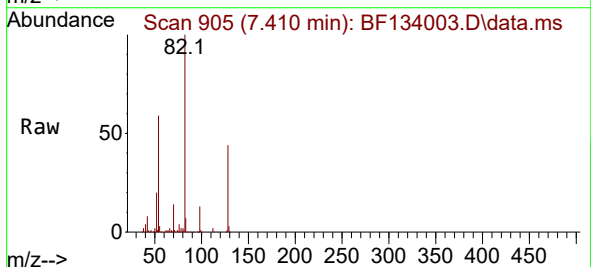
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

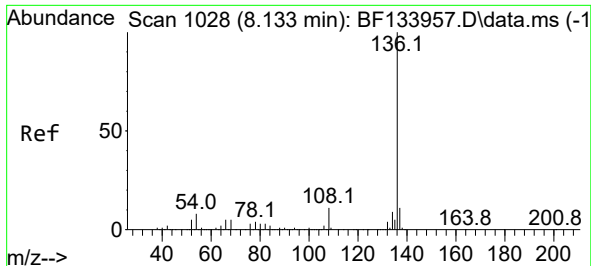
Tgt Ion: 99 Resp: 315131
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 38.1 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.920 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion: 70 Resp: 29517
Ion Ratio Lower Upper
70 100
42 56.9 54.7 82.1
101 0.0 7.7 11.5#
130 1.6 16.4 24.6#

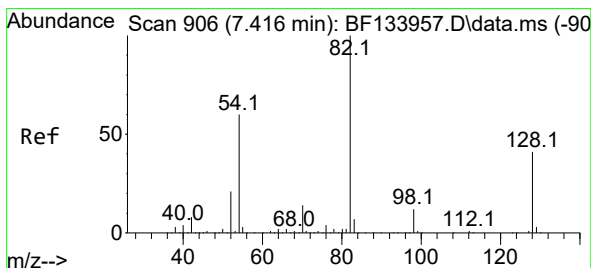
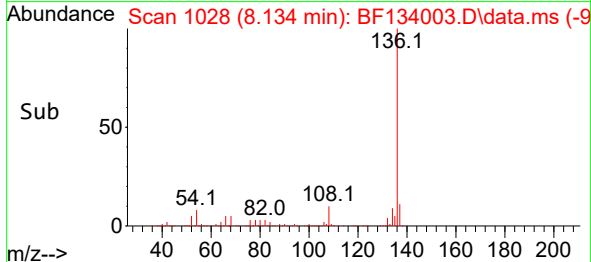
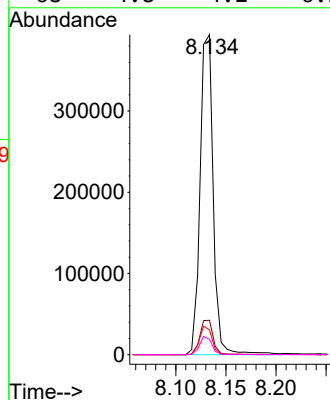
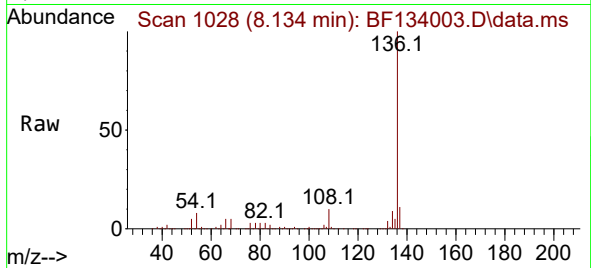




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

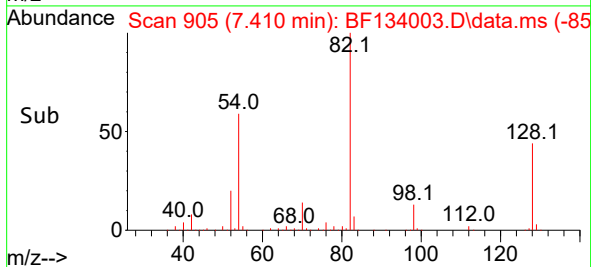
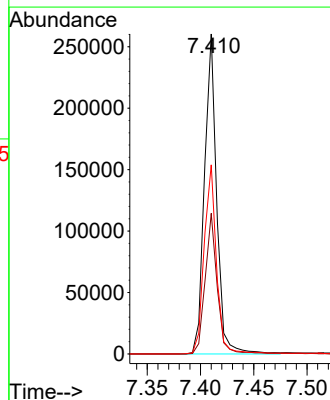
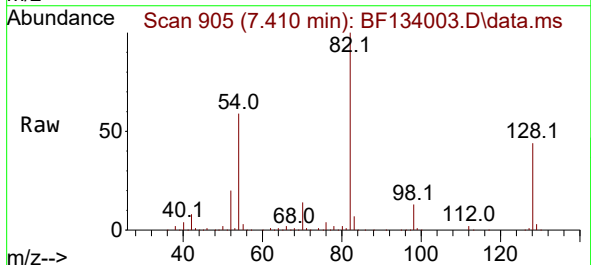
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

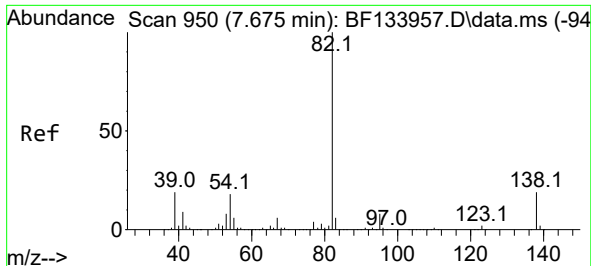
Tgt Ion:136 Resp: 360979
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.8 6.5 9.7
68 4.8 4.2 6.2



#23
Nitrobenzene-d5
Concen: 31.086 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion: 82 Resp: 208167
Ion Ratio Lower Upper
82 100
128 43.9 32.5 48.7
54 59.1 48.2 72.2

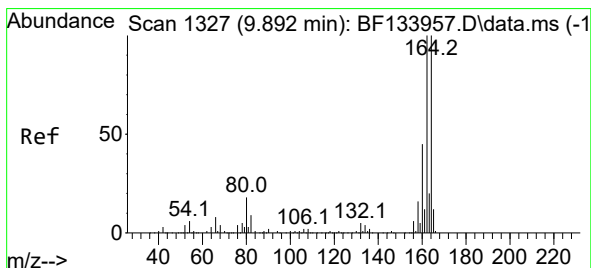
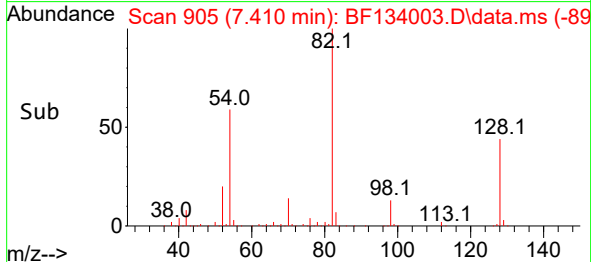
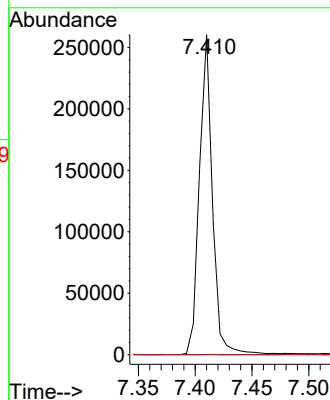
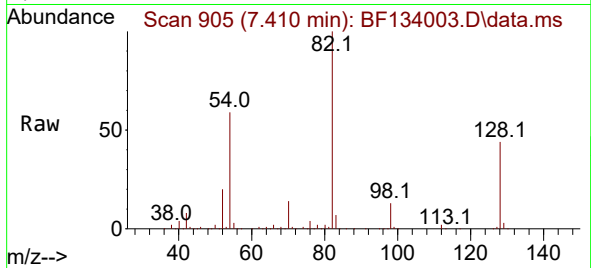




#25
Isophorone
Concen: 17.104 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

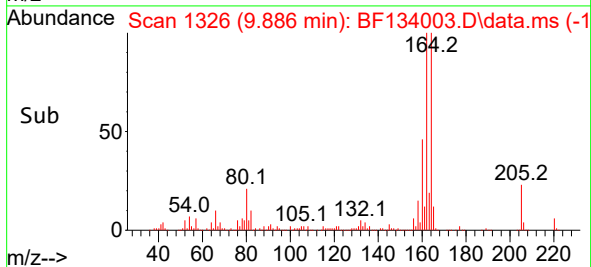
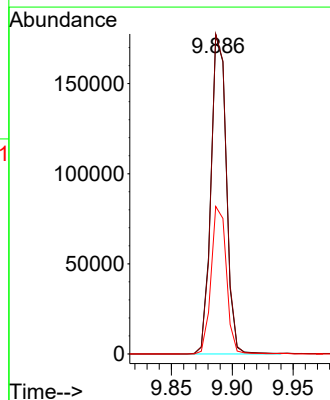
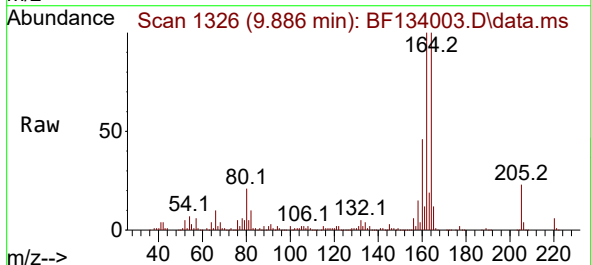
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

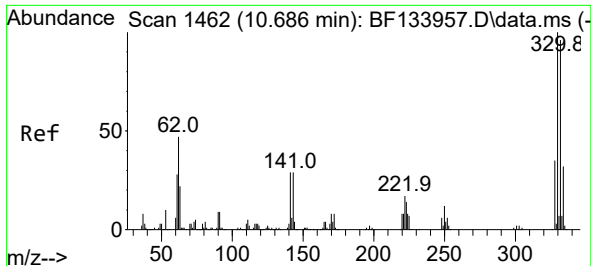
Tgt Ion: 82 Resp: 208165
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:164 Resp: 155309
Ion Ratio Lower Upper
164 100
162 100.3 80.0 120.0
160 46.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 36.044 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

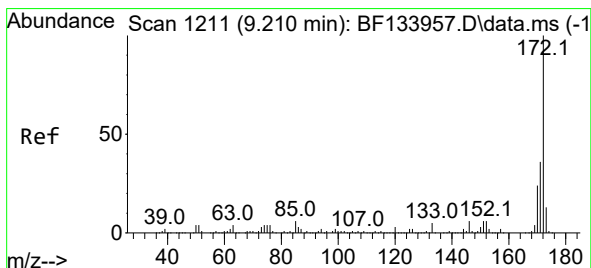
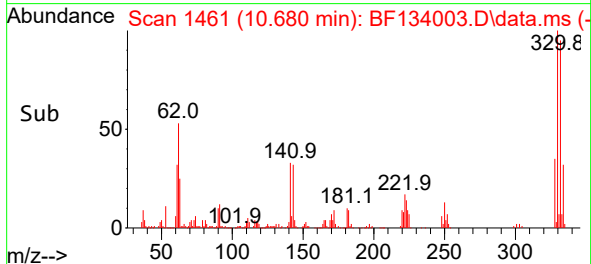
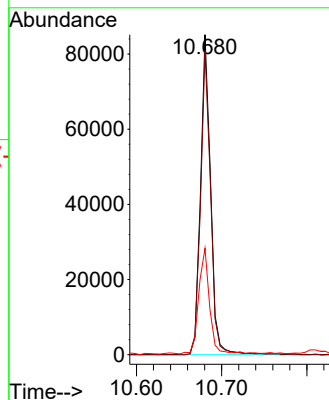
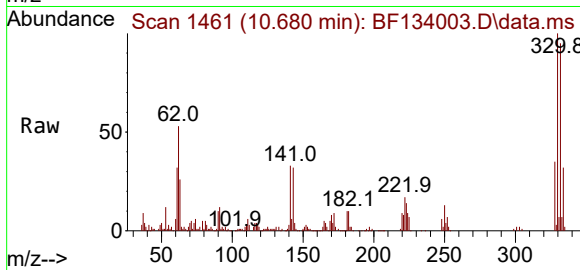
Tgt Ion:330 Resp: 70188

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

141 34.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 30.116 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

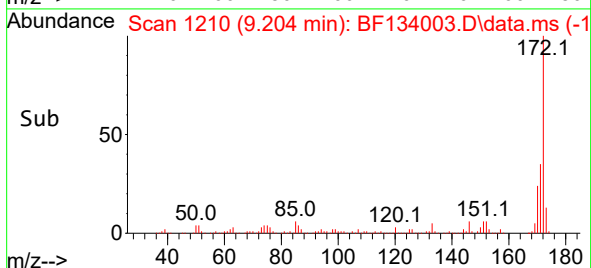
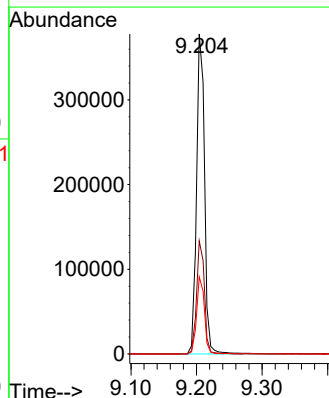
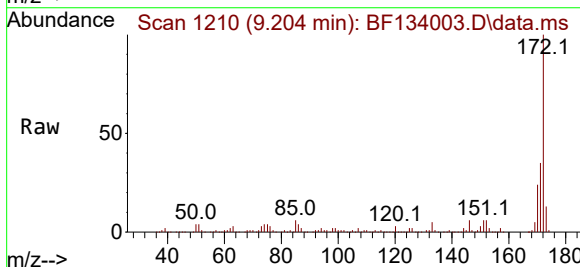
Tgt Ion:172 Resp: 321705

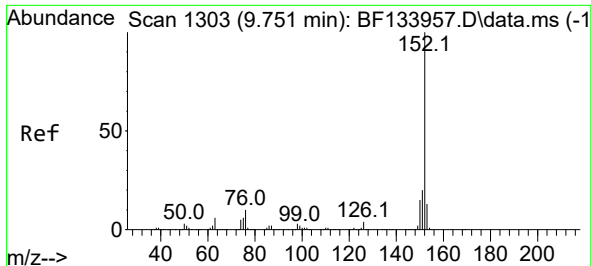
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 24.1 19.4 29.0





#49

Acenaphthylene

Concen: 4.838 ng

RT: 9.751 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

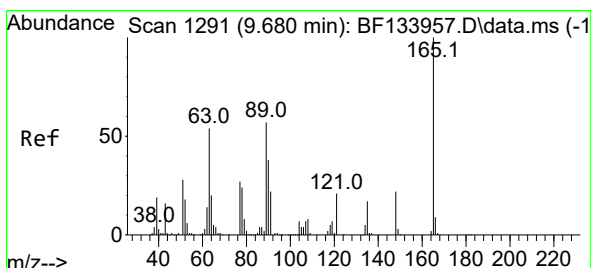
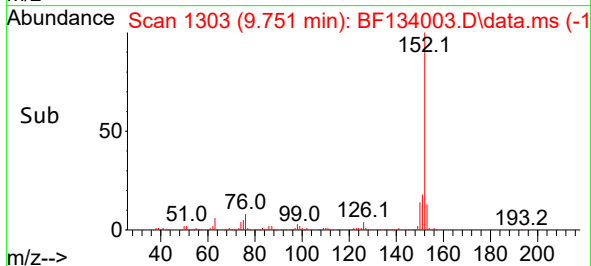
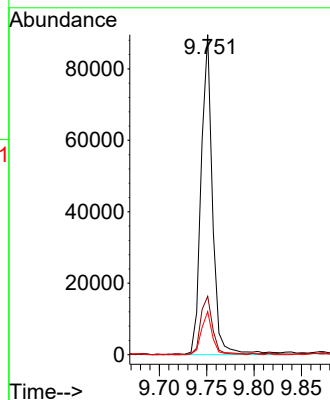
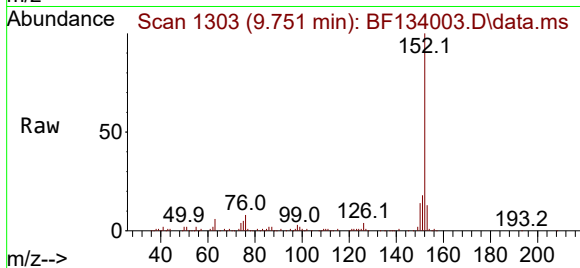
Tgt Ion:152 Resp: 75329

Ion Ratio Lower Upper

152 100

151 18.2 16.2 24.2

153 13.4 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 8.525 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.206 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

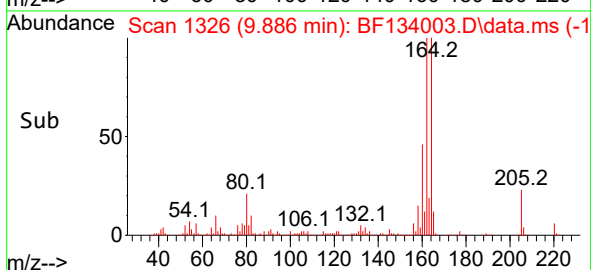
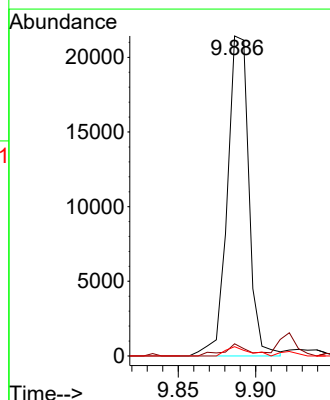
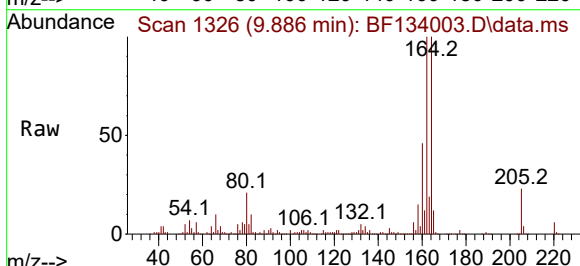
Tgt Ion:165 Resp: 20700

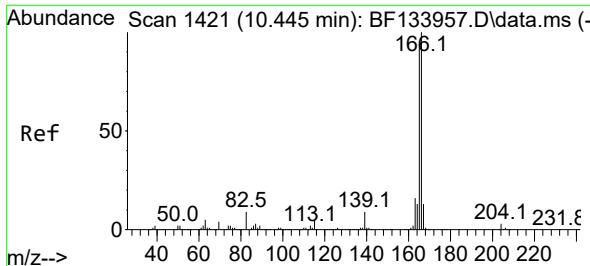
Ion Ratio Lower Upper

165 100

63 3.8 48.5 72.7#

89 2.9 45.5 68.3#

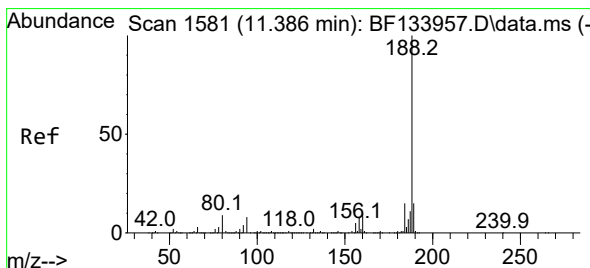
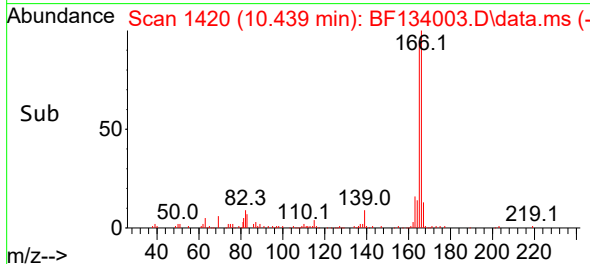
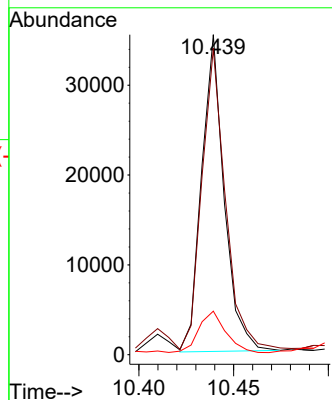
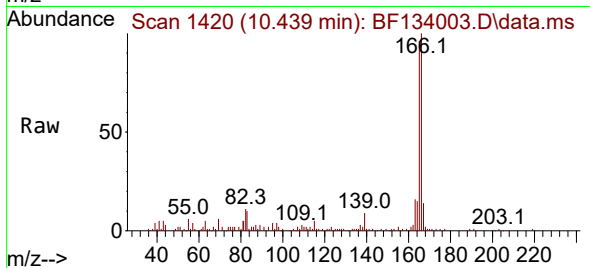




#58
Fluorene
Concen: 2.658 ng
RT: 10.439 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

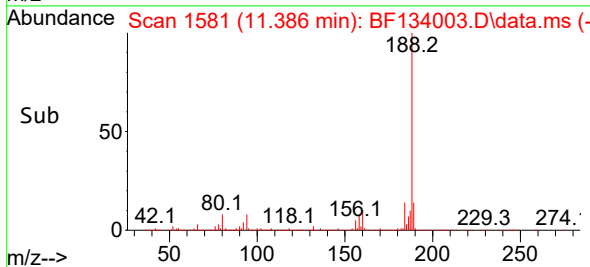
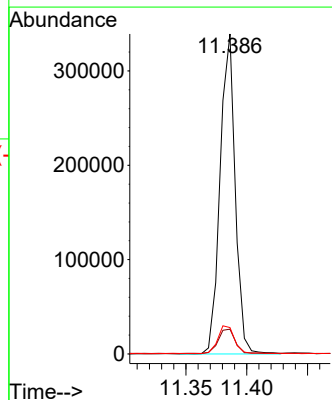
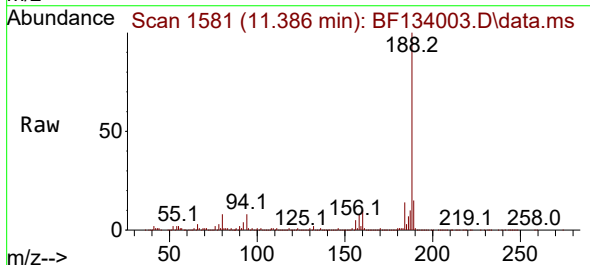
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

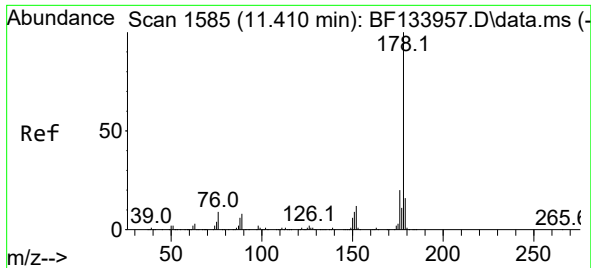
Tgt Ion:166 Resp: 29205
Ion Ratio Lower Upper
166 100
165 95.7 75.0 112.4
167 13.6 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:188 Resp: 294189
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.3 7.3 10.9

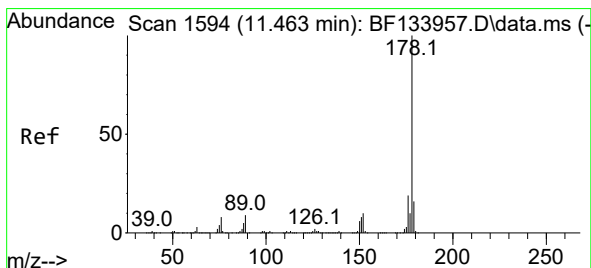
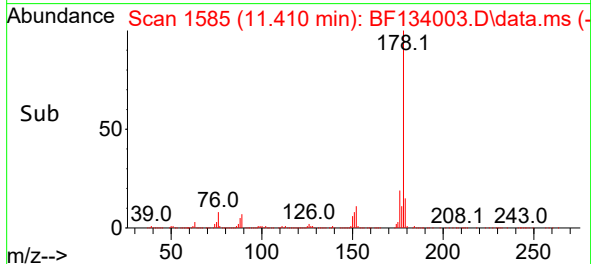
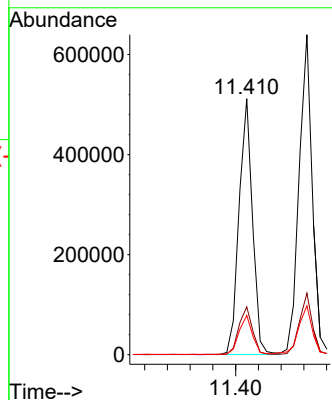
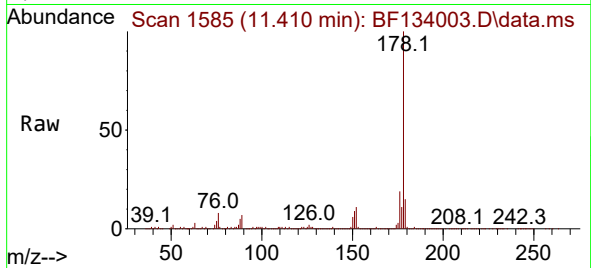




#71
Phenanthrene
Concen: 28.337 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

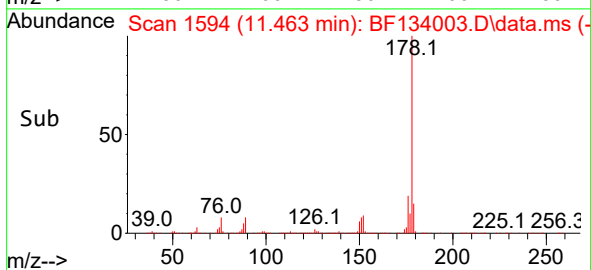
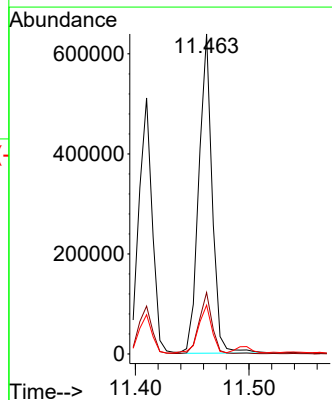
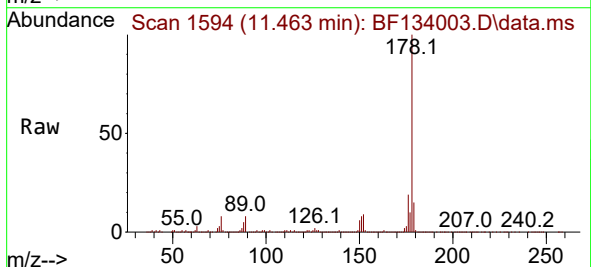
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

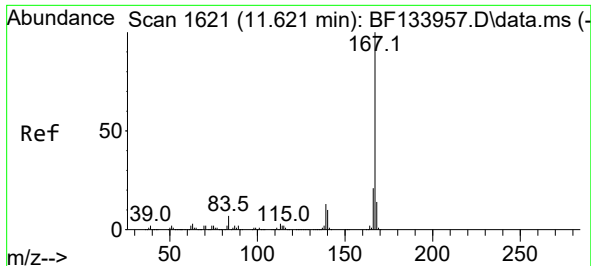
Tgt Ion:178 Resp: 419673
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.3 12.4 18.6



#72
Anthracene
Concen: 33.867 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:178 Resp: 521685
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.4 18.6

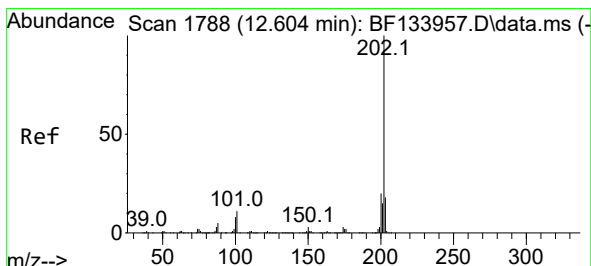
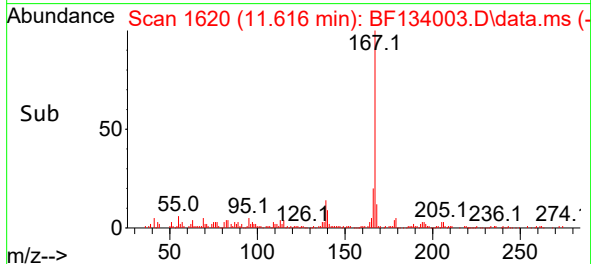
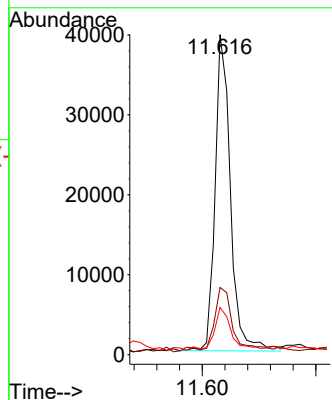
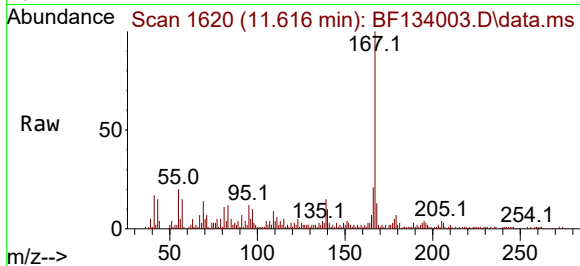




#73
 Carbazole
 Concen: 2.629 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF134003.D
 Acq: 27 Jun 2023 21:49

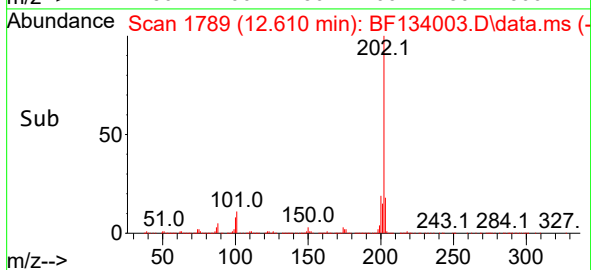
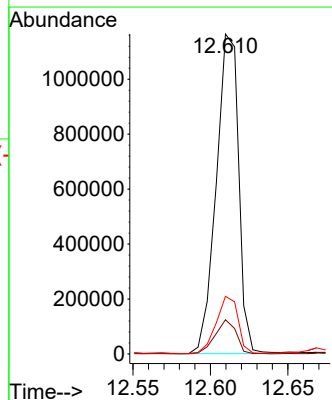
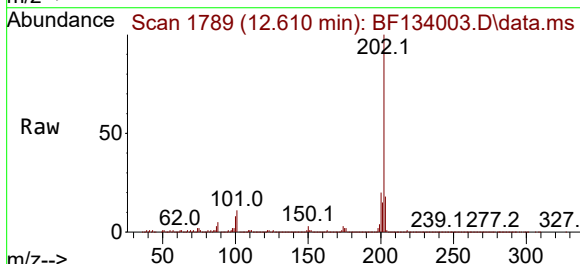
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

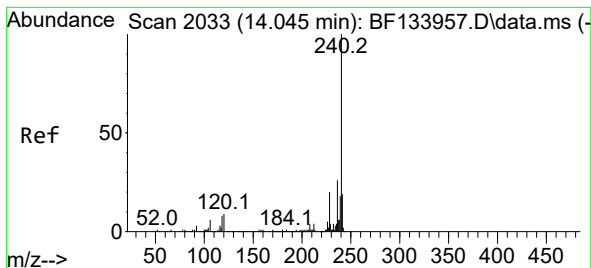
Tgt Ion:167	Resp:	37072
Ion Ratio	Lower	Upper
167	100	
166	21.0	17.0 25.6
139	14.8	10.4 15.6



#75
 Fluoranthene
 Concen: 73.246 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134003.D
 Acq: 27 Jun 2023 21:49

Tgt Ion:202	Resp:	1172737
Ion Ratio	Lower	Upper
202	100	
101	10.7	0.0 31.0
203	18.0	0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

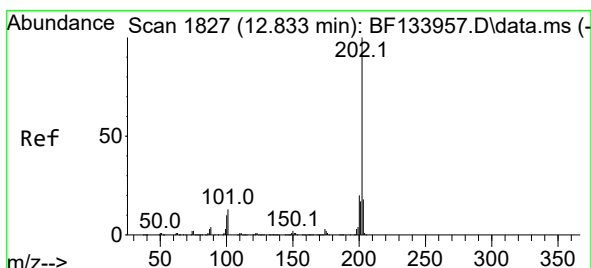
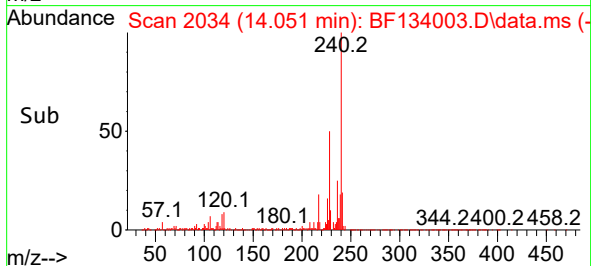
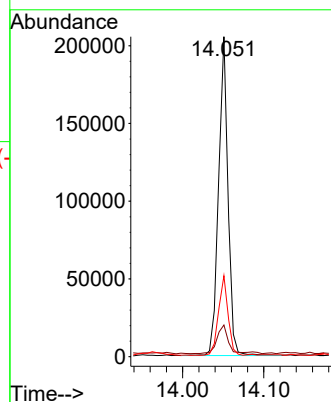
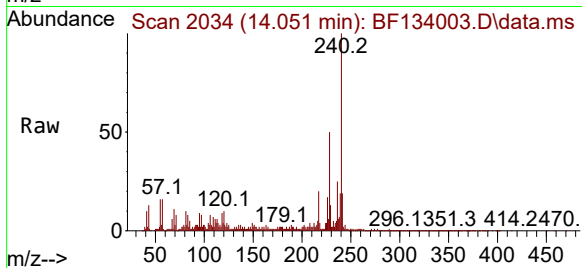
Tgt Ion:240 Resp: 165170

Ion Ratio Lower Upper

240 100

120 9.9 7.4 11.0

236 25.3 21.0 31.6



#78

Pyrene

Concen: 81.862 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

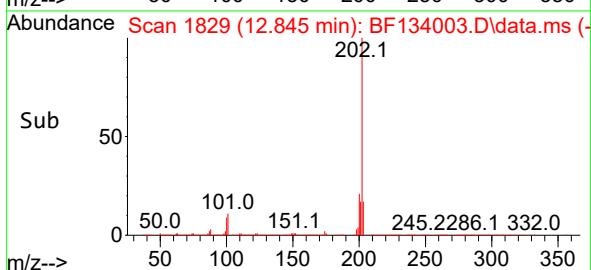
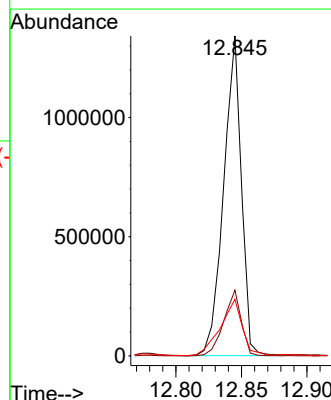
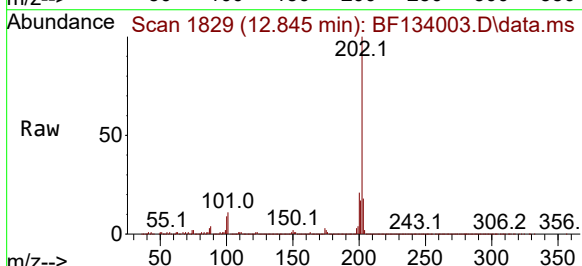
Tgt Ion:202 Resp: 1258332

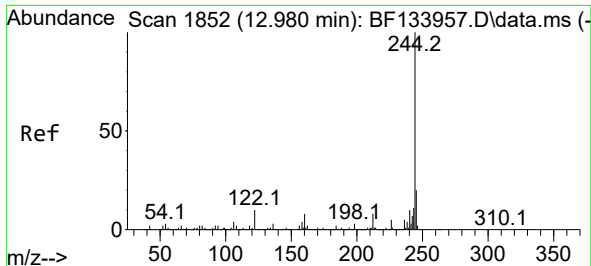
Ion Ratio Lower Upper

202 100

200 20.5 16.1 24.1

203 17.7 14.3 21.5

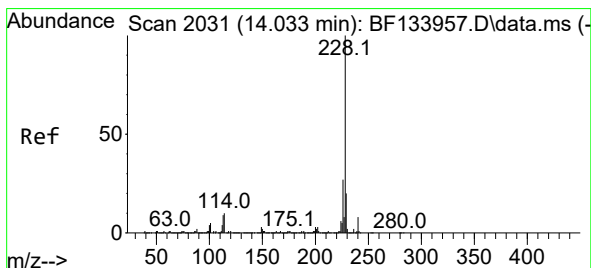
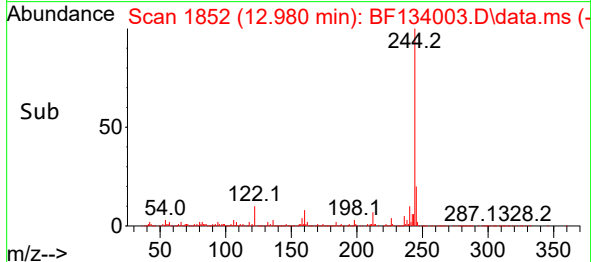
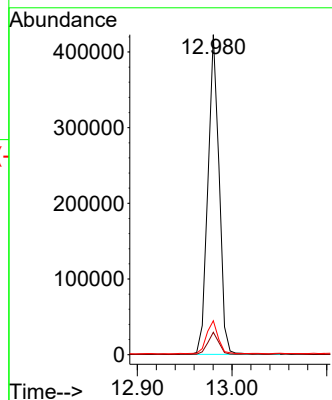
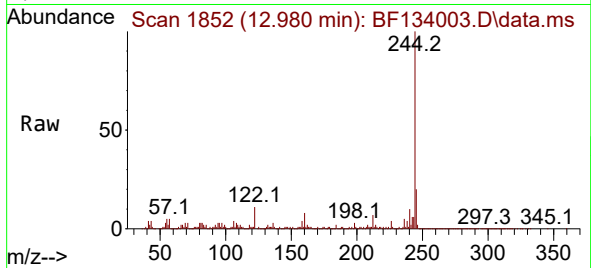




#79
 Terphenyl-d14
 Concen: 33.749 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134003.D
 Acq: 27 Jun 2023 21:49

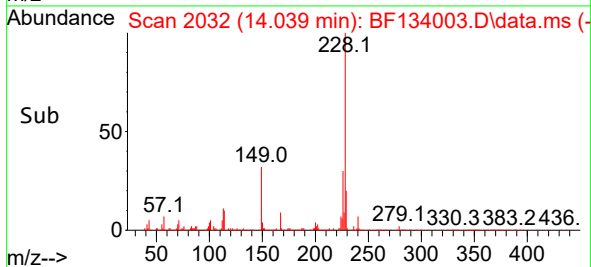
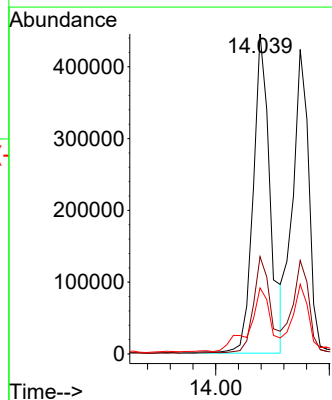
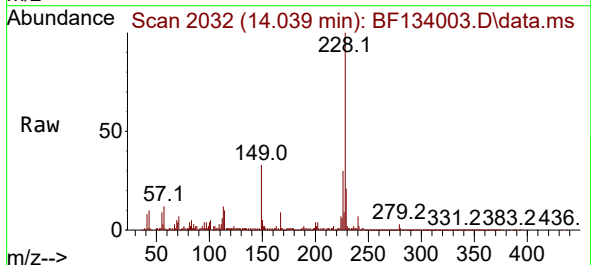
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

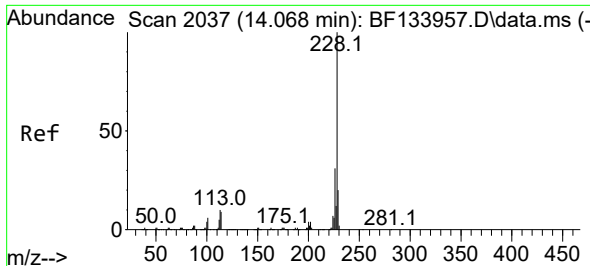
Tgt Ion:244 Resp: 346353
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 40.179 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF134003.D
 Acq: 27 Jun 2023 21:49

Tgt Ion:228 Resp: 460240
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.0 33.0
 229 20.7 16.3 24.5

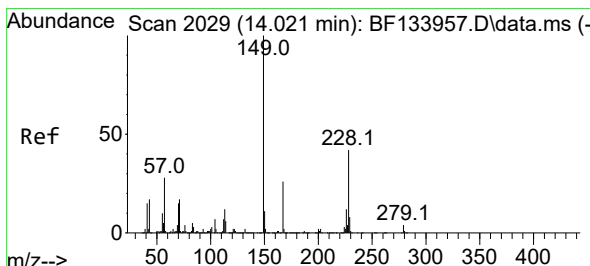
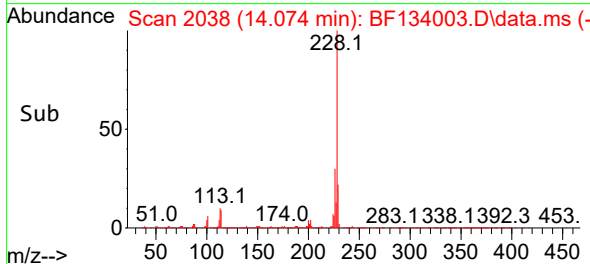
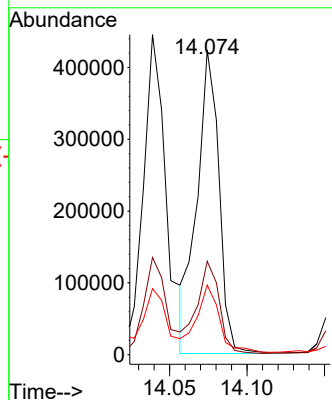
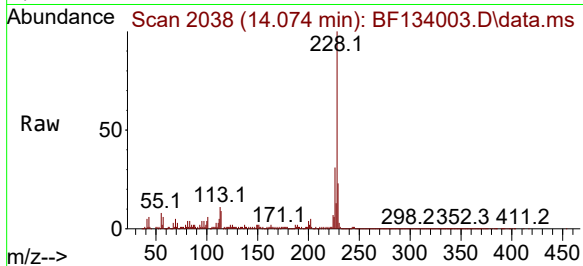




#83
Chrysene
Concen: 37.645 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

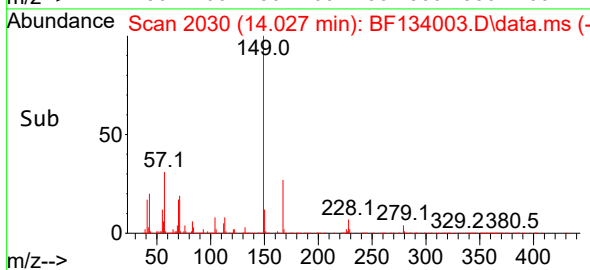
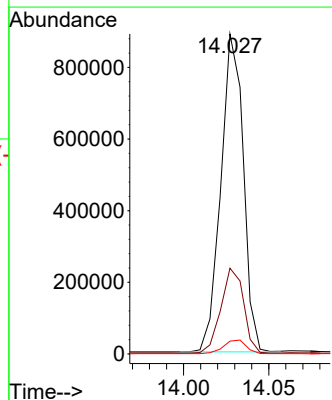
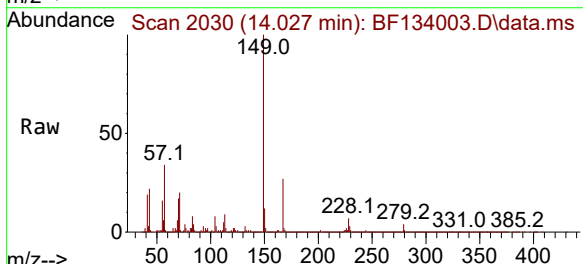
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

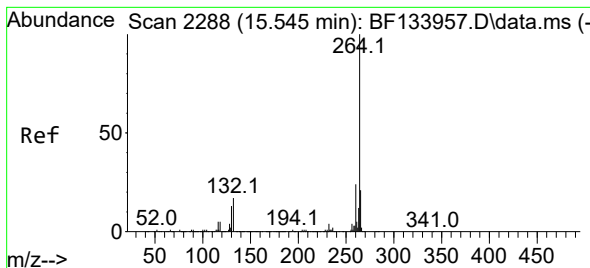
Tgt Ion:228 Resp: 417657
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.9 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 122.905 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:149 Resp: 814155
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.4
279 4.0 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

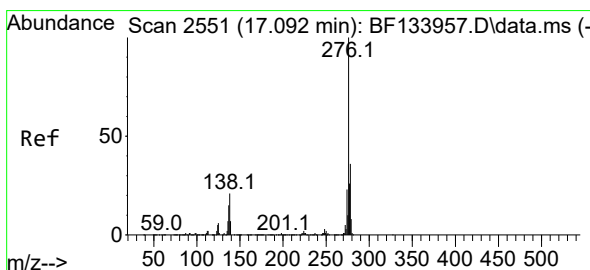
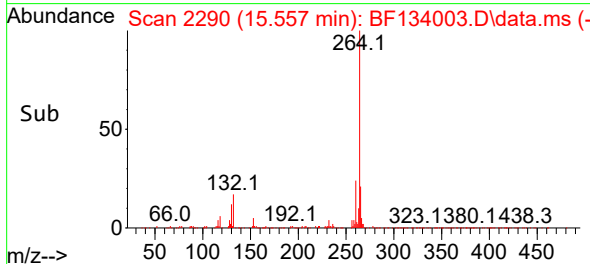
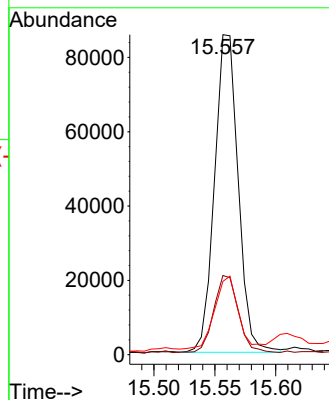
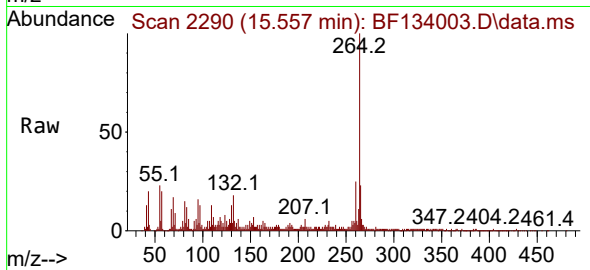
Tgt Ion:264 Resp: 115586

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 22.9 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.896 ng

RT: 17.104 min Scan# 2553

Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

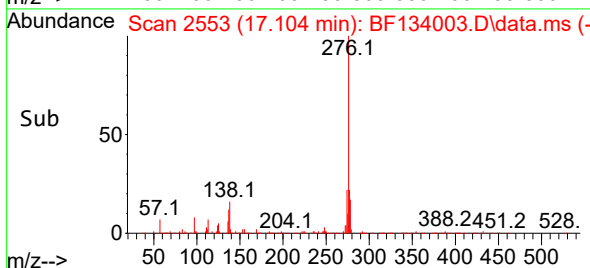
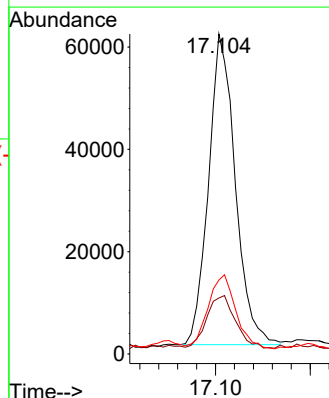
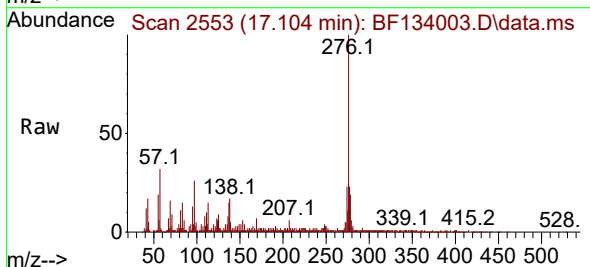
Tgt Ion:276 Resp: 119471

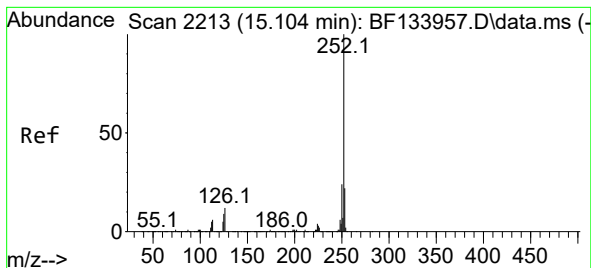
Ion Ratio Lower Upper

276 100

138 18.1 18.7 28.1#

277 24.7 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 68.478 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

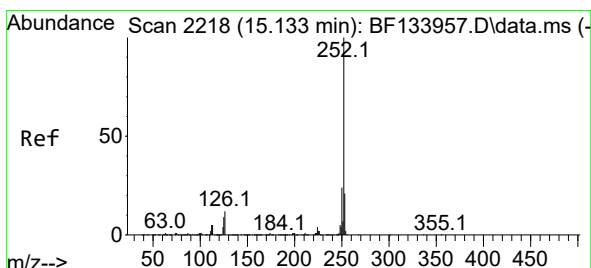
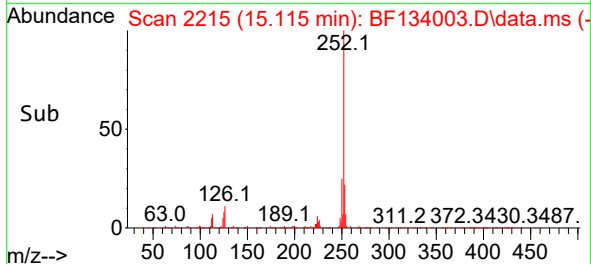
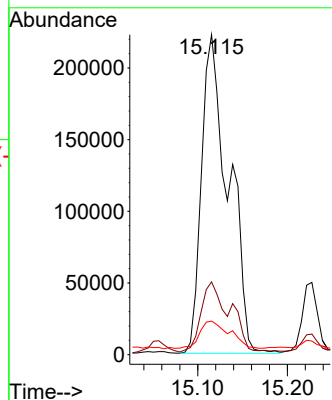
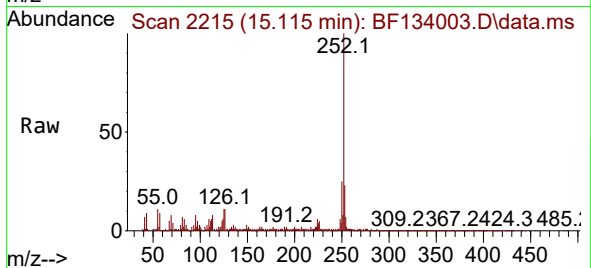
Tgt Ion:252 Resp: 465417

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.5 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 67.257 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.018 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

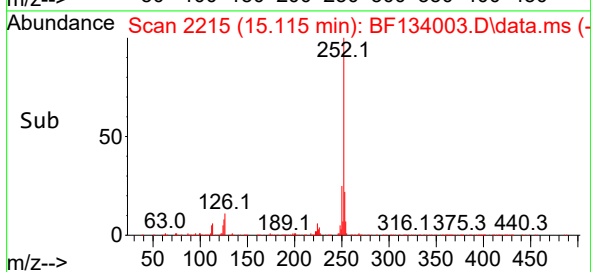
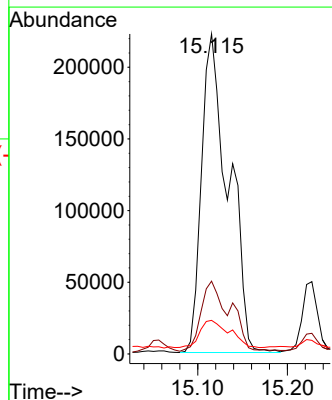
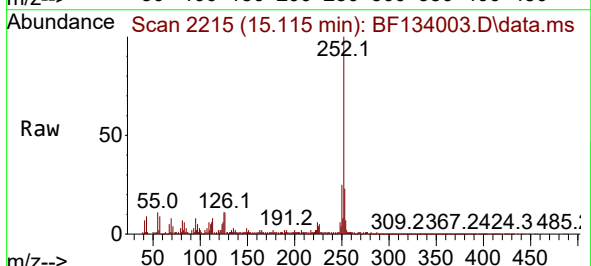
Tgt Ion:252 Resp: 465417

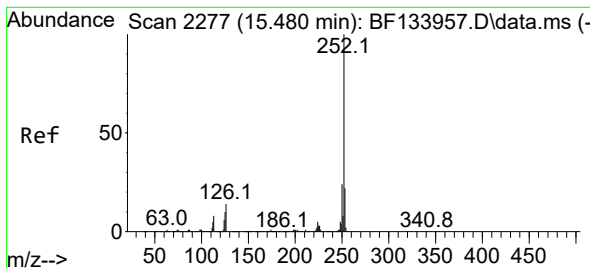
Ion Ratio Lower Upper

252 100

253 22.8 16.9 25.3

125 10.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 35.256 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

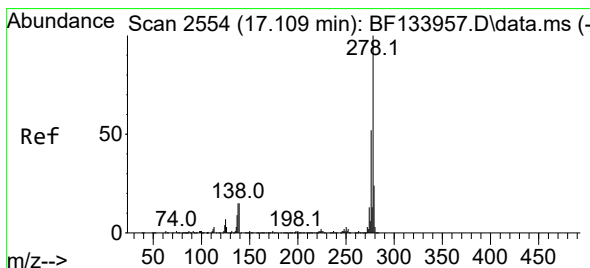
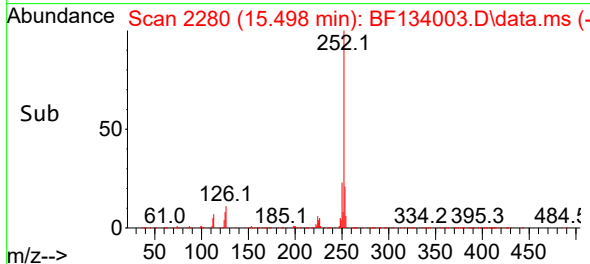
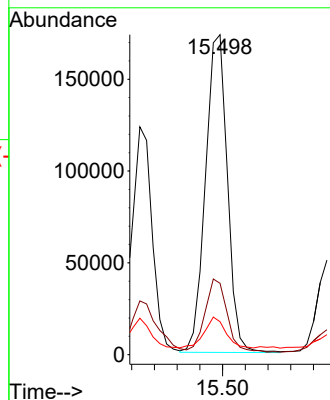
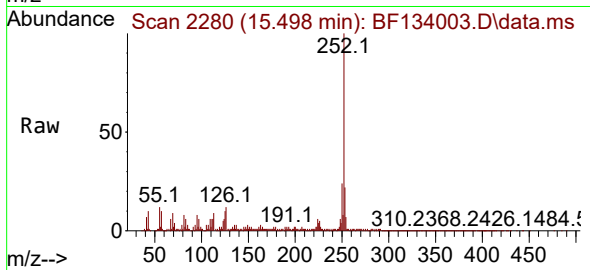
Tgt Ion:252 Resp: 231711

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.3 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 5.068 ng

RT: 17.115 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

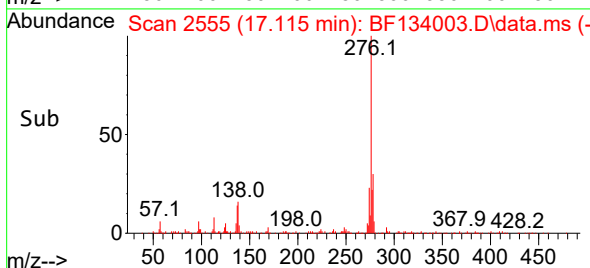
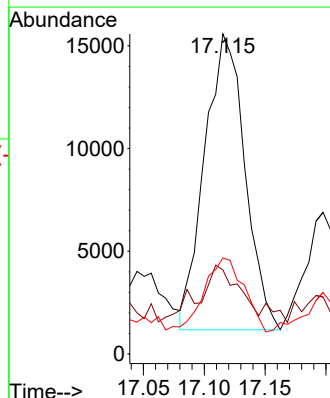
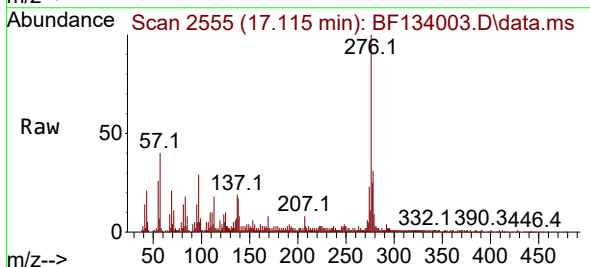
Tgt Ion:278 Resp: 33200

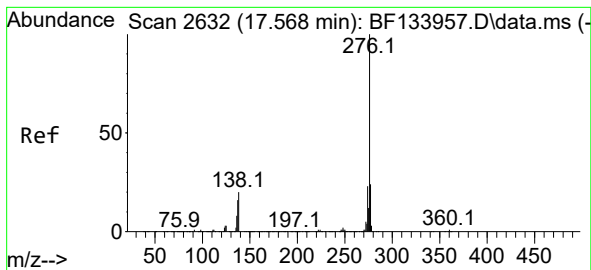
Ion Ratio Lower Upper

278 100

139 26.2 12.2 18.4#

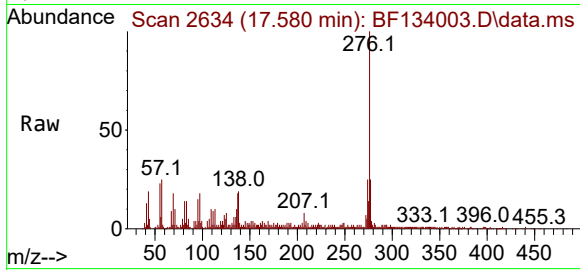
279 30.0 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 16.255 ng
 RT: 17.580 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134003.D
 Acq: 27 Jun 2023 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP



Tgt Ion:276 Resp: 109816
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.0 28.6
 138 18.8 16.2 24.2

