

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134344.D
 Acq On : 18 Jul 2023 18:36
 Operator : CG\JU
 Sample : 03597-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-43-(0-2)

Quant Time: Jul 19 01:39:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

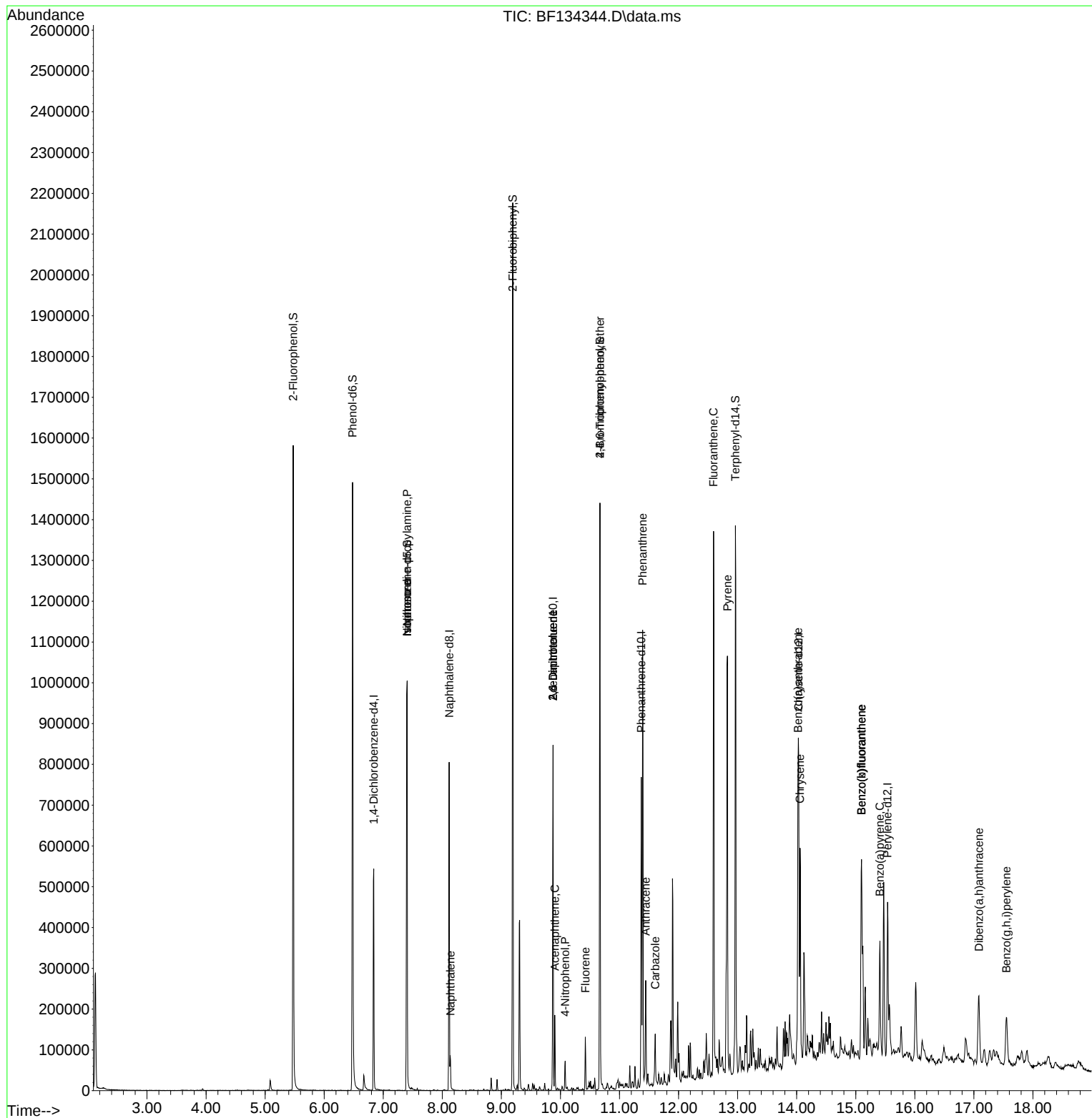
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	79039	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	308268	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	149865	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	268536	20.000	ng	0.00
76) Chrysene-d12	14.033	240	168867	20.000	ng	0.00
86) Perylene-d12	15.539	264	177589	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	395483	83.699	ng	0.00
7) Phenol-d6	6.481	99	470991	81.053	ng	0.00
23) Nitrobenzene-d5	7.404	82	330615	57.813	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	162175	86.309	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	569163	55.216	ng	-0.01
79) Terphenyl-d14	12.963	244	479257	45.676	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	76	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	45419	12.325	ng	# 74
25) Isophorone	7.404	82	330610	31.810	ng	# 64
31) Naphthalene	8.139	128	30038	2.017	ng	# 98
51) 2,6-Dinitrotoluene	9.874	165	19928	8.505	ng	# 23
52) Acenaphthene	9.904	154	34270	3.931	ng	# 96
56) 4-Nitrophenol	10.080	139	10179	5.177	ng	# 5
57) 2,4-Dinitrotoluene	9.874	165	19928	6.440	ng	# 22
58) Fluorene	10.422	166	33383	3.149	ng	# 96
67) 4-Bromophenyl-phenylether	10.669	248	9801	3.434	ng	# 1
71) Phenanthrene	11.392	178	401285	29.684	ng	100
72) Anthracene	11.445	178	94960	6.754	ng	98
73) Carbazole	11.604	167	47423	3.685	ng	99
75) Fluoranthene	12.592	202	567650	38.841	ng	98
78) Pyrene	12.827	202	478798	30.467	ng	99
81) Benzo(a)anthracene	14.021	228	254823	21.759	ng	98
83) Chrysene	14.057	228	213423	18.815	ng	97
88) Benzo(b)fluoranthene	15.098	252	398916	38.202	ng	97
89) Benzo(k)fluoranthene	15.098	252	398916	37.521	ng	96
90) Benzo(a)pyrene	15.409	252	134395	13.310	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	32570	3.236	ng	95
92) Benzo(g,h,i)perylene	17.550	276	111909	10.782	ng	95

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

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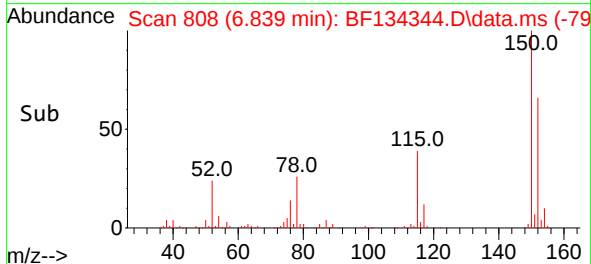
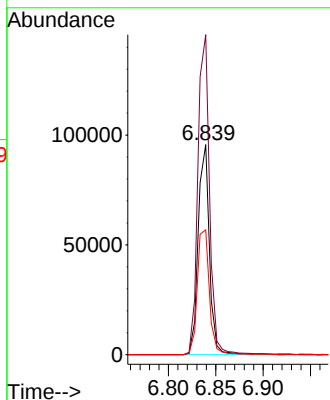
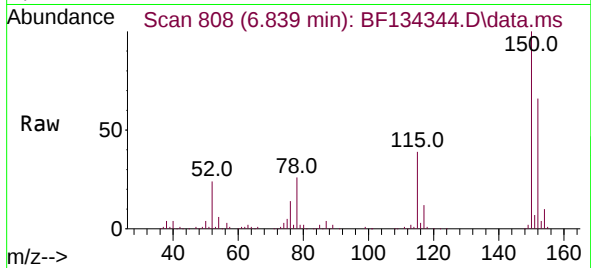




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

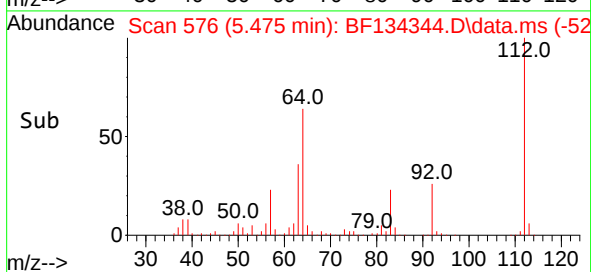
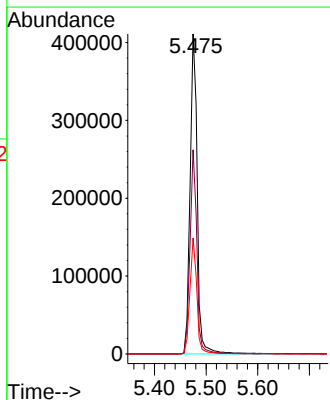
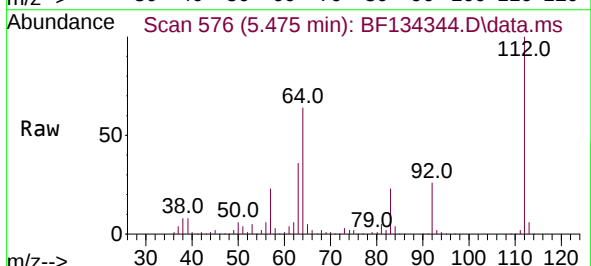
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

Tgt Ion:152 Resp: 79039
Ion Ratio Lower Upper
152 100
150 152.3 124.5 186.7
115 59.4 50.2 75.2



#5
2-Fluorophenol
Concen: 83.699 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion:112 Resp: 395483
Ion Ratio Lower Upper
112 100
64 63.8 52.1 78.1
63 36.2 28.6 42.8





#7

Phenol-d6

Concen: 81.053 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

Instrument :

BNA_F

ClientSampleId :

RB-43-(0-2)

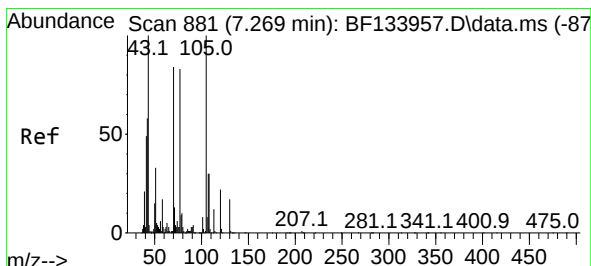
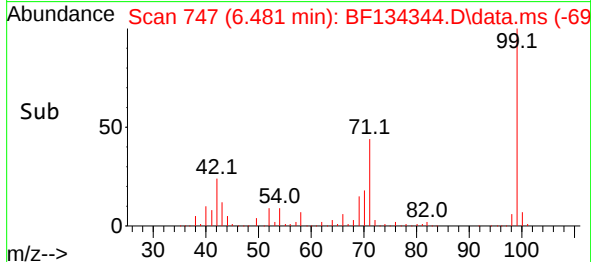
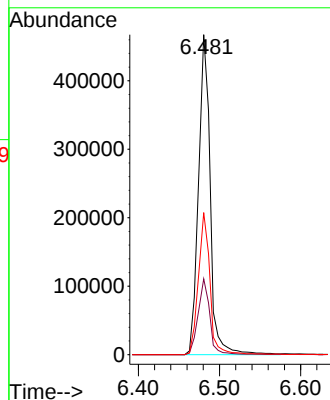
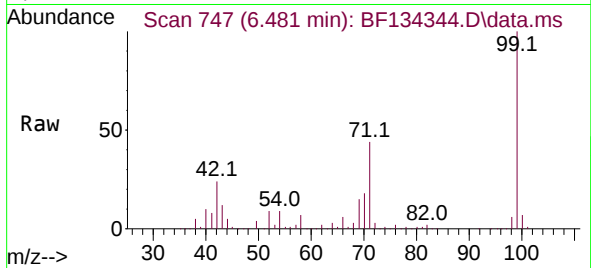
Tgt Ion: 99 Resp: 470991

Ion Ratio Lower Upper

99 100

42 23.7 19.8 29.6

71 44.4 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.325 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.147 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

Tgt Ion: 70 Resp: 45419

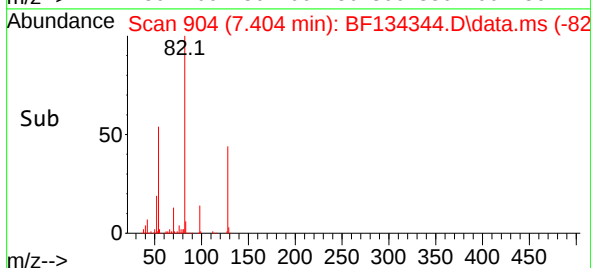
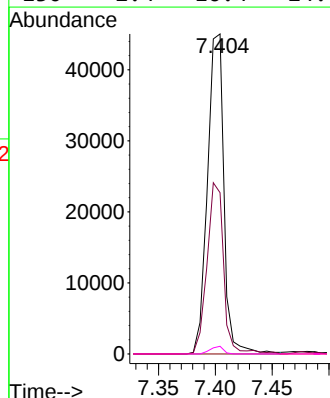
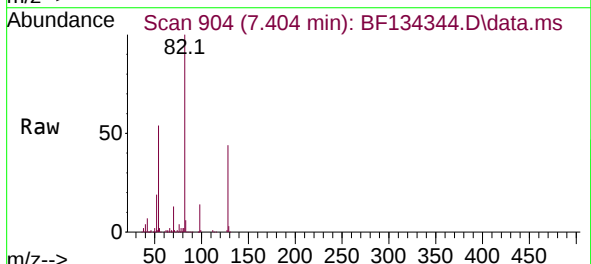
Ion Ratio Lower Upper

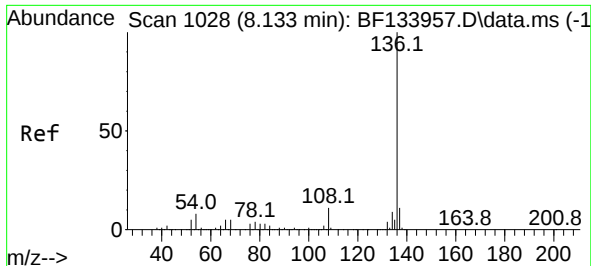
70 100

42 50.4 54.7 82.1#

101 0.0 7.7 11.5#

130 2.4 16.4 24.6#



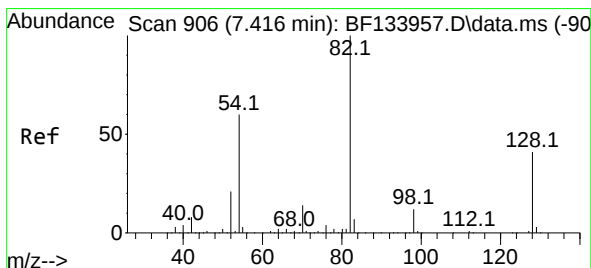
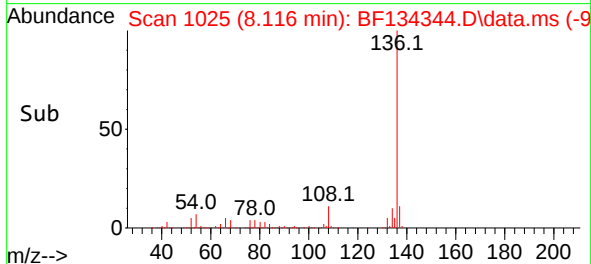
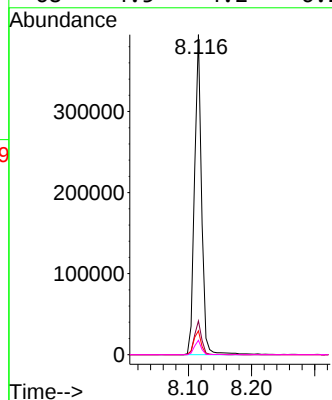
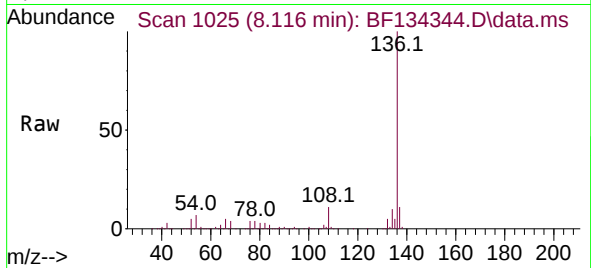


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

Tgt Ion:136 Resp: 308268

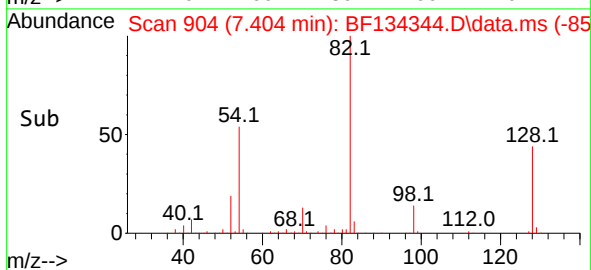
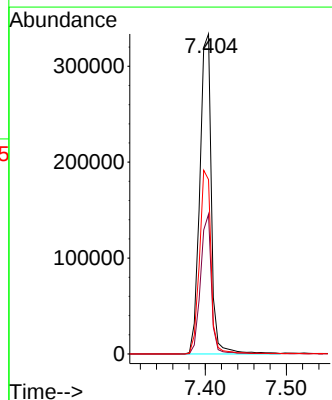
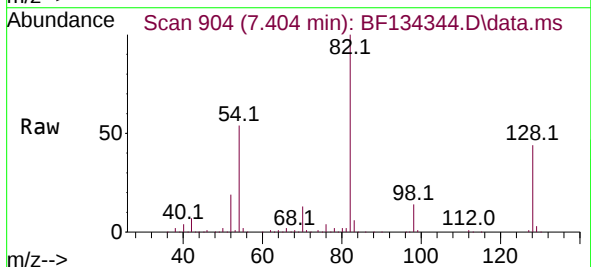
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	7.5	6.5	9.7
68	4.5	4.2	6.2



#23
Nitrobenzene-d5
Concen: 57.813 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion: 82 Resp: 330615

Ion	Ratio	Lower	Upper
82	100		
128	43.7	32.5	48.7
54	54.5	48.2	72.2

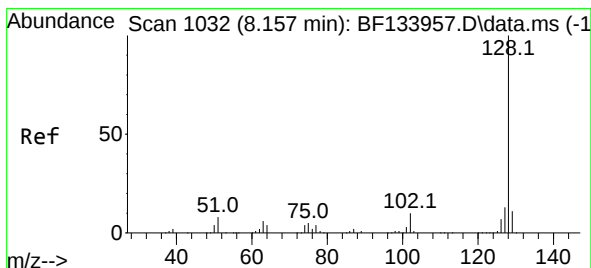
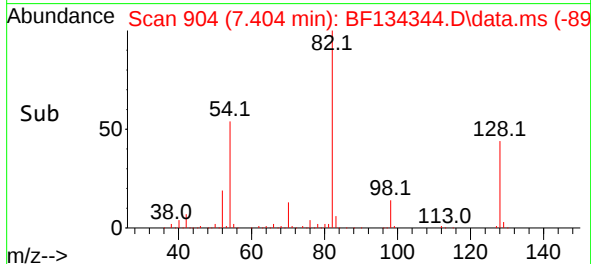
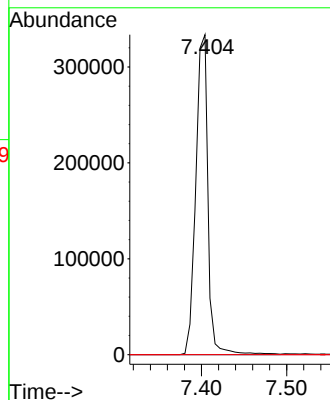
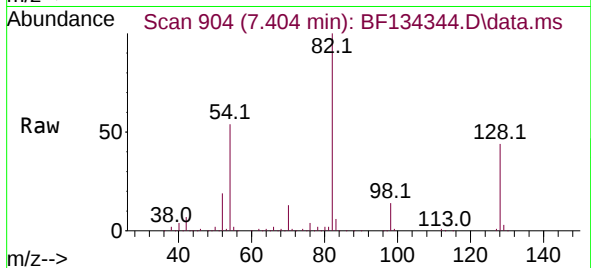




#25
Isophorone
Concen: 31.810 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

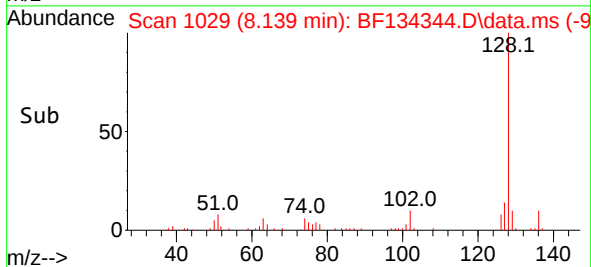
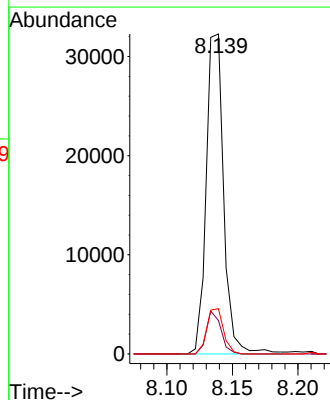
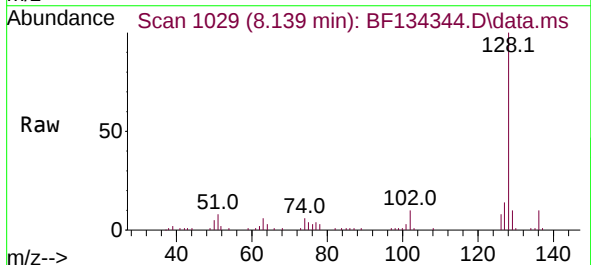
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

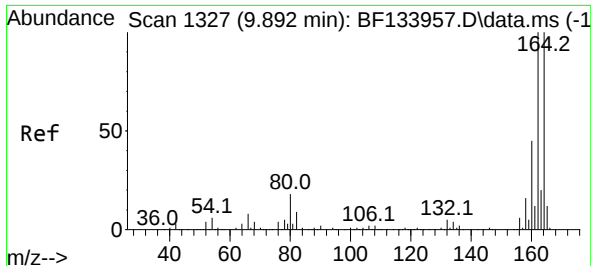
Tgt Ion: 82 Resp: 330610
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 2.017 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion: 128 Resp: 30038
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 14.2 10.6 15.8

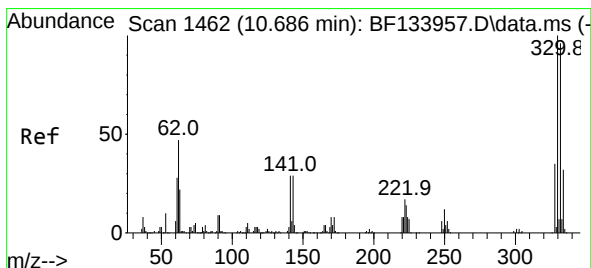
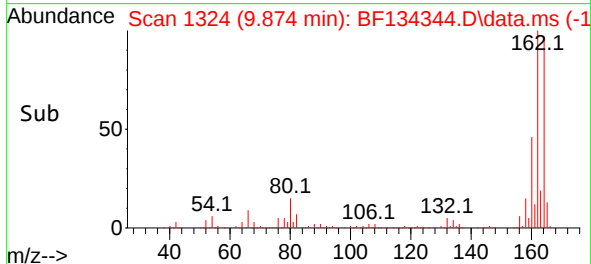
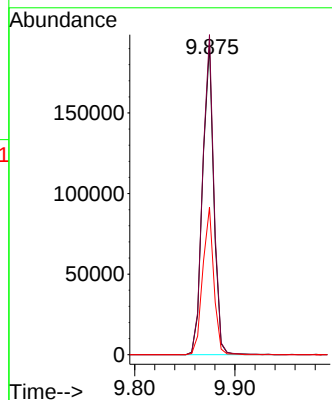
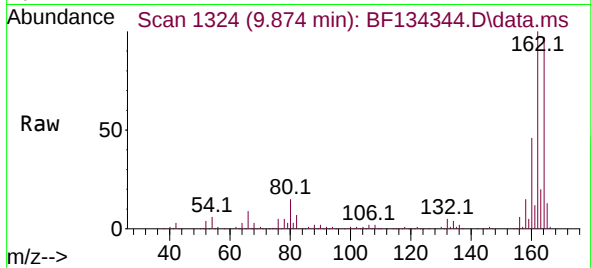




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

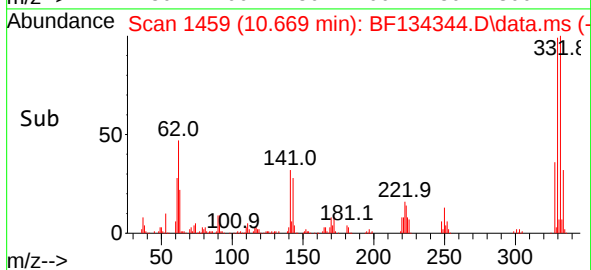
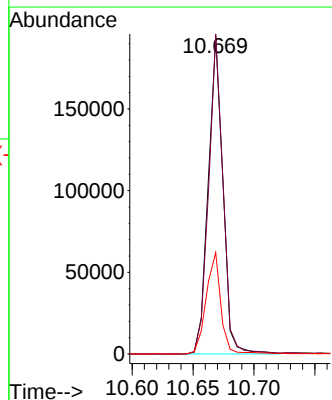
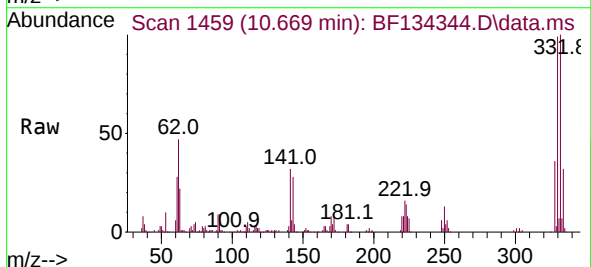
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

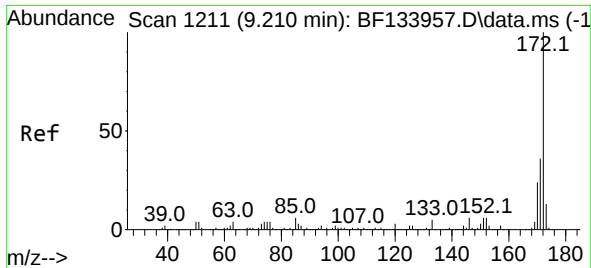
Tgt Ion:164 Resp: 149865
Ion Ratio Lower Upper
164 100
162 103.2 80.0 120.0
160 47.5 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 86.309 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion:330 Resp: 162175
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 32.4 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 55.216 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

Instrument :

BNA_F

ClientSampleId :

RB-43-(0-2)

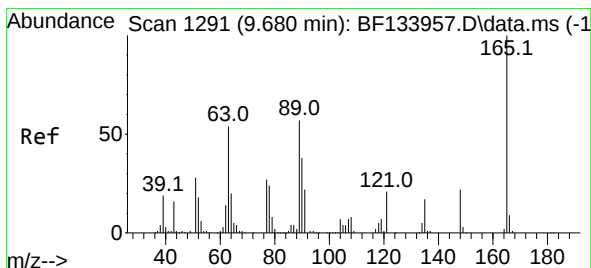
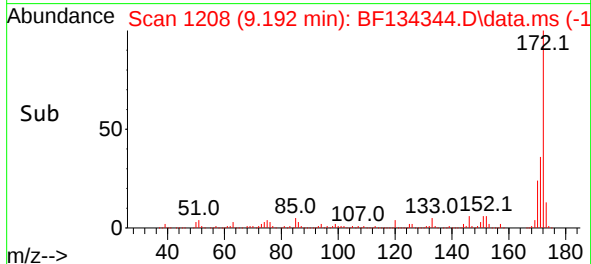
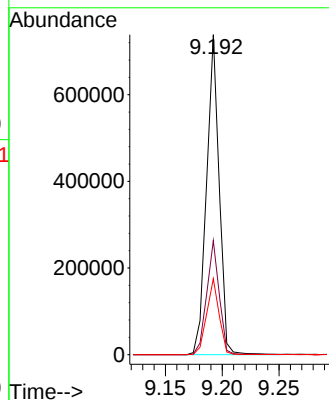
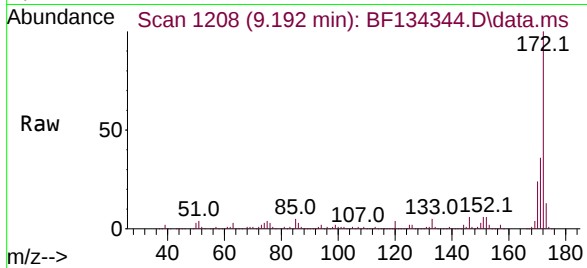
Tgt Ion:172 Resp: 569163

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.8 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 8.505 ng

RT: 9.874 min Scan# 1324

Delta R.T. 0.200 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

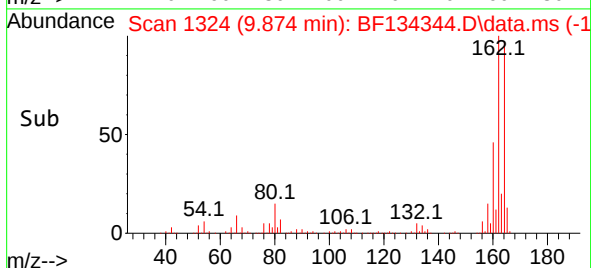
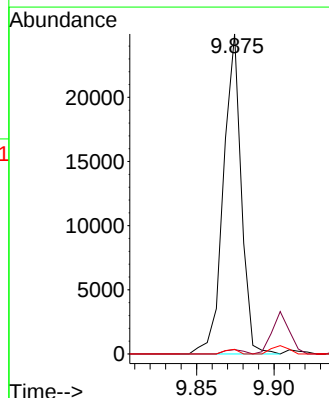
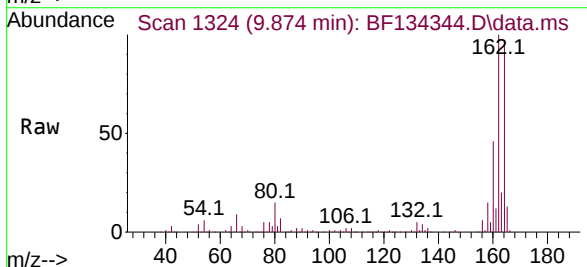
Tgt Ion:165 Resp: 19928

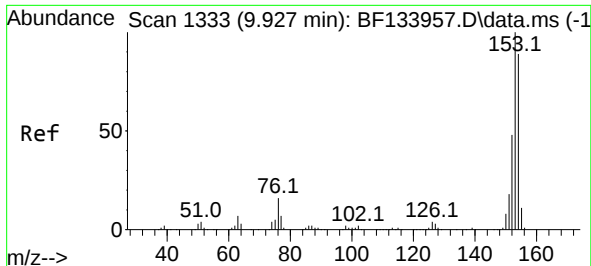
Ion Ratio Lower Upper

165 100

63 1.3 48.5 72.7#

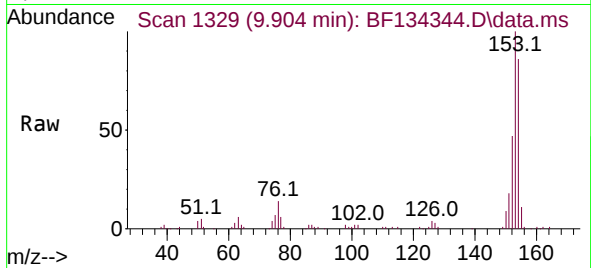
89 1.5 45.5 68.3#



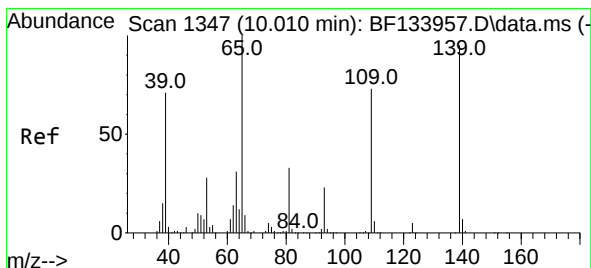
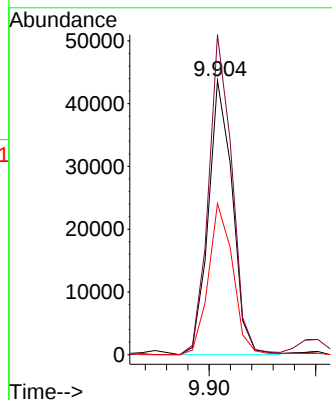
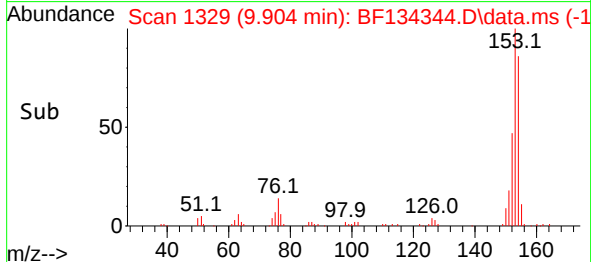


#52
Acenaphthene
Concen: 3.931 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

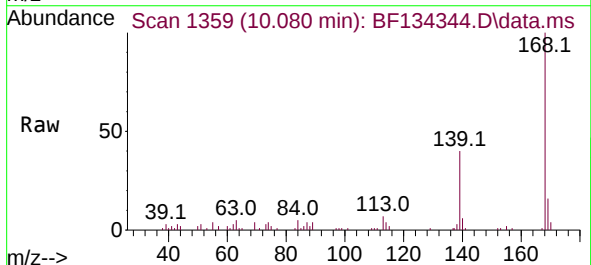
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)



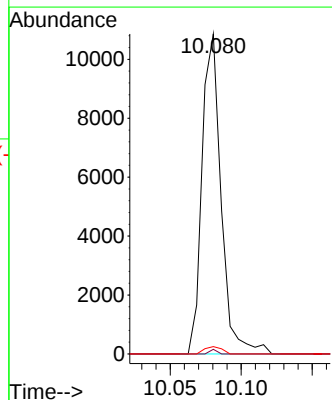
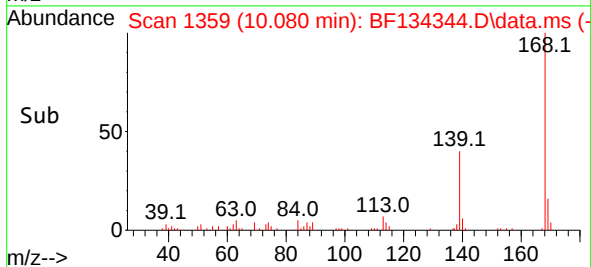
Tgt Ion:154 Resp: 34270
Ion Ratio Lower Upper
154 100
153 116.8 89.4 134.2
152 55.1 42.8 64.2

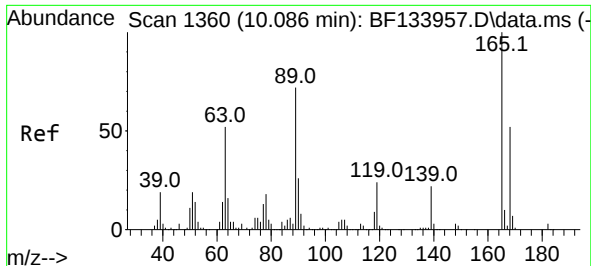


#56
4-Nitrophenol
Concen: 5.177 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.071 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36



Tgt Ion:139 Resp: 10179
Ion Ratio Lower Upper
139 100
109 1.5 56.8 96.8#
65 2.3 86.1 126.1#

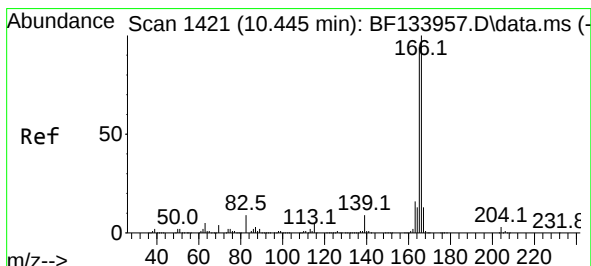
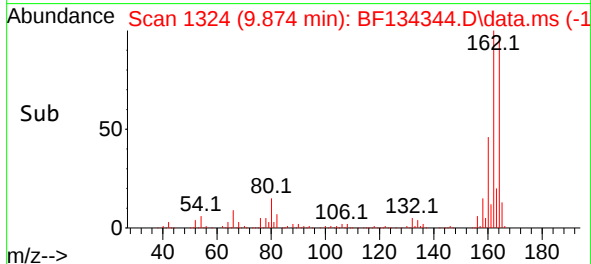
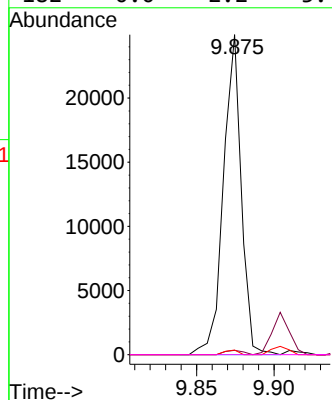
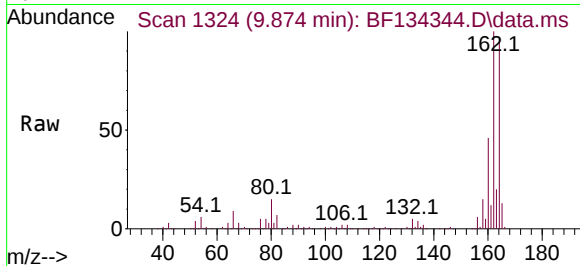




#57
2,4-Dinitrotoluene
Concen: 6.440 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

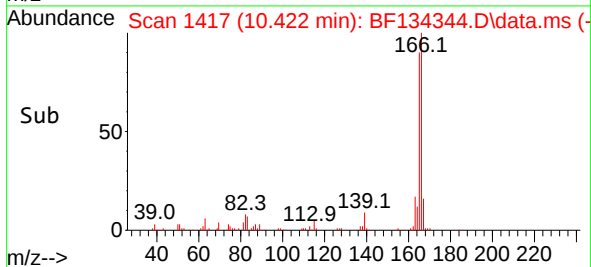
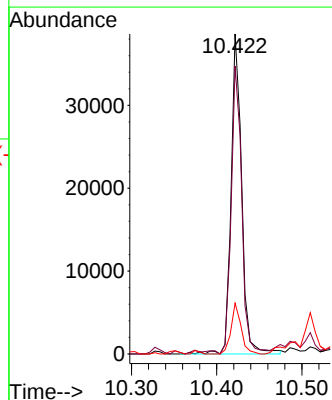
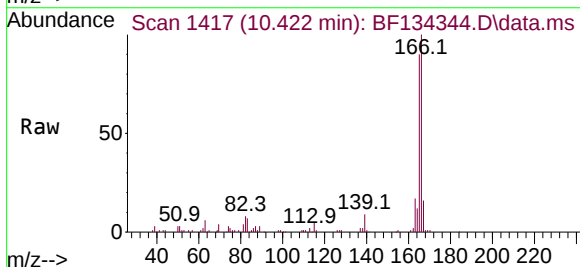
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

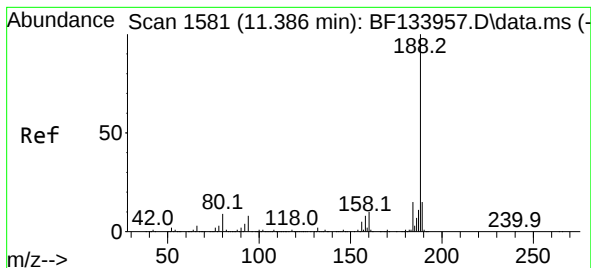
Tgt Ion:165 Resp: 19928
Ion Ratio Lower Upper
165 100
63 1.3 42.2 63.2#
89 1.5 57.4 86.2#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 3.149 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion:166 Resp: 33383
Ion Ratio Lower Upper
166 100
165 89.9 75.0 112.4
167 15.9 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

Instrument :

BNA_F

ClientSampleId :

RB-43-(0-2)

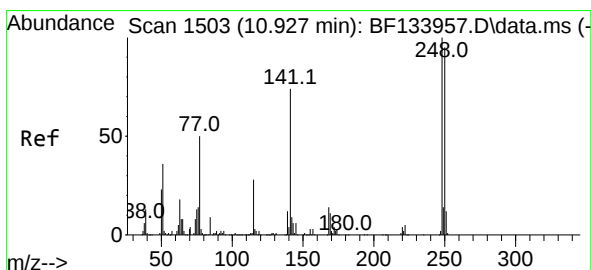
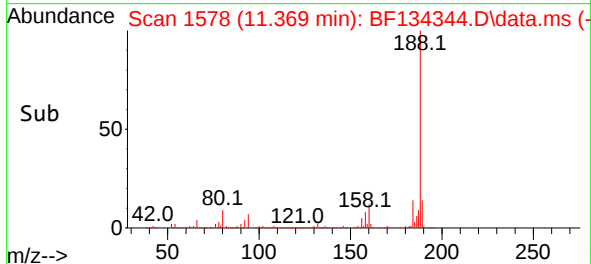
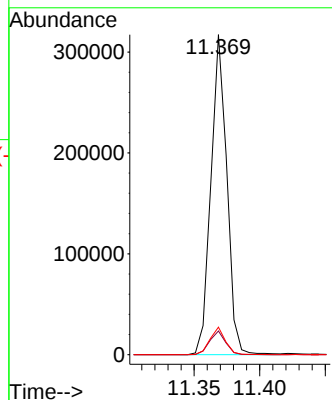
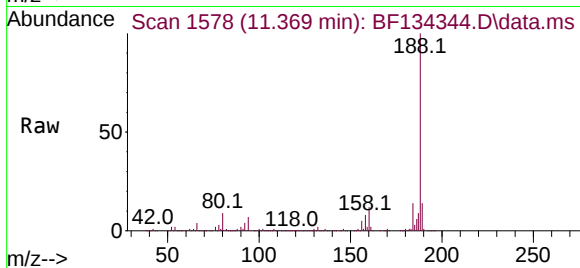
Tgt Ion:188 Resp: 268536

Ion Ratio Lower Upper

188 100

94 7.4 6.4 9.6

80 8.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.434 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

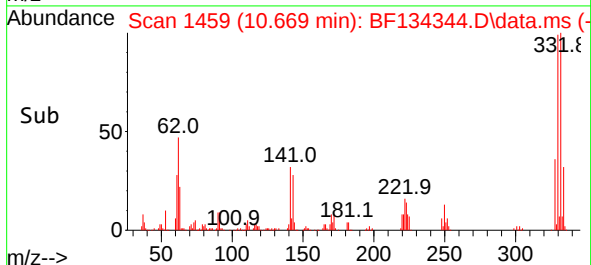
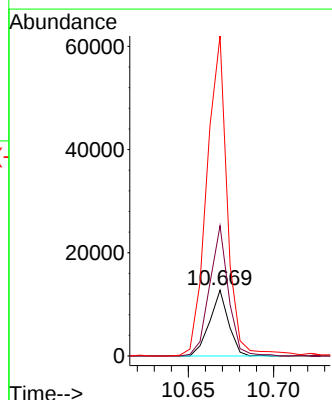
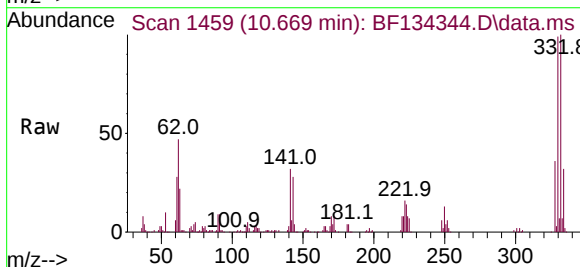
Tgt Ion:248 Resp: 9801

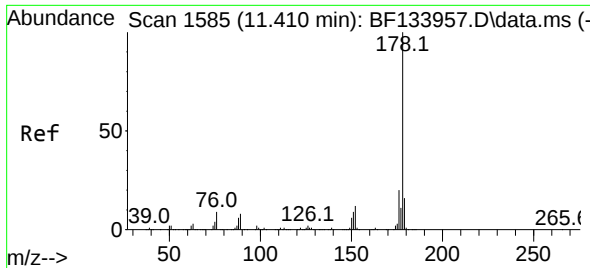
Ion Ratio Lower Upper

248 100

250 198.1 76.2 114.4#

141 486.9 59.0 88.4#

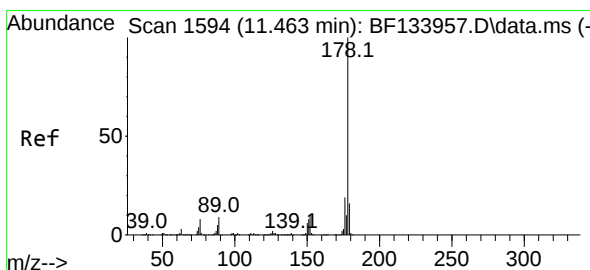
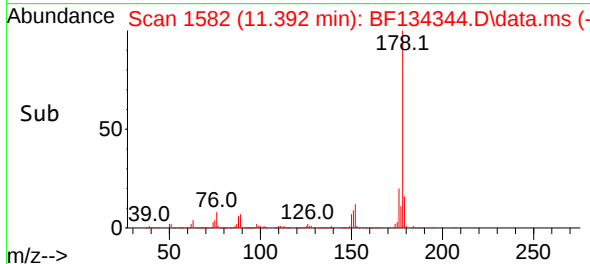
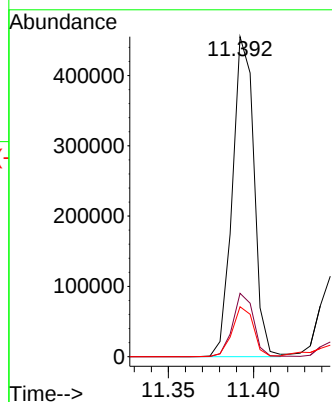
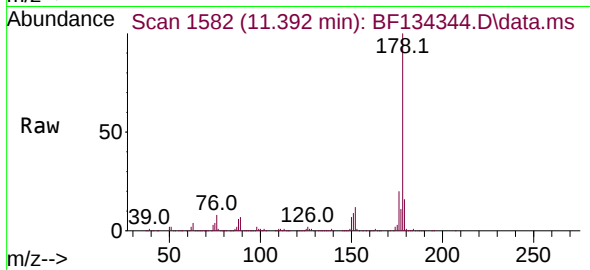




#71
Phenanthrene
Concen: 29.684 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

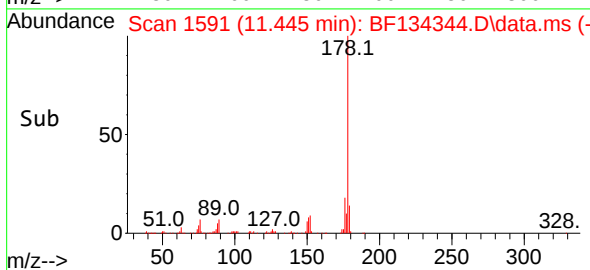
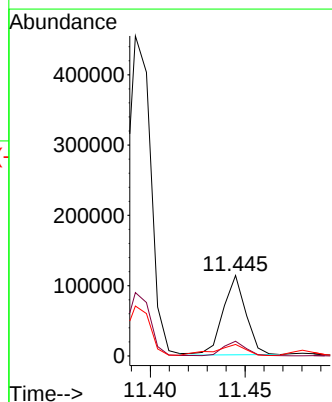
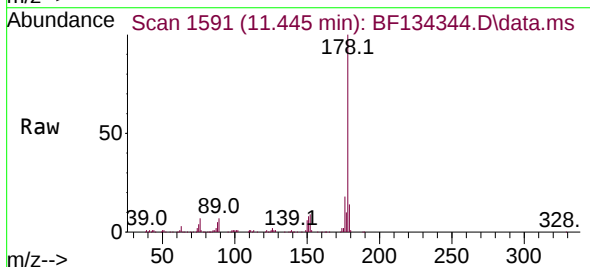
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

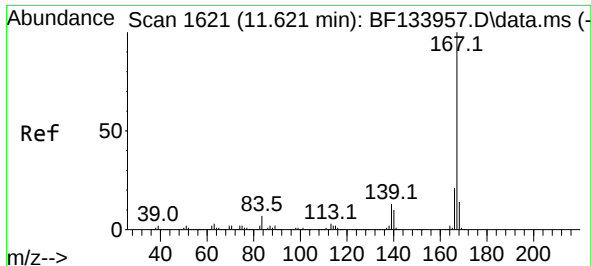
Tgt Ion:178 Resp: 401285
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 6.754 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion:178 Resp: 94960
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 14.3 12.4 18.6

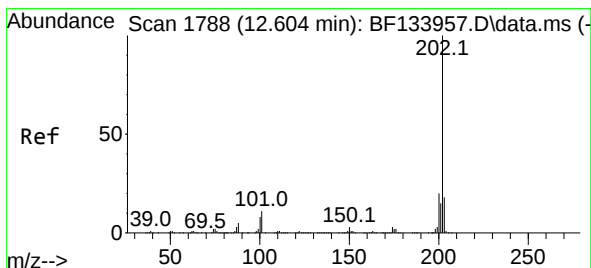
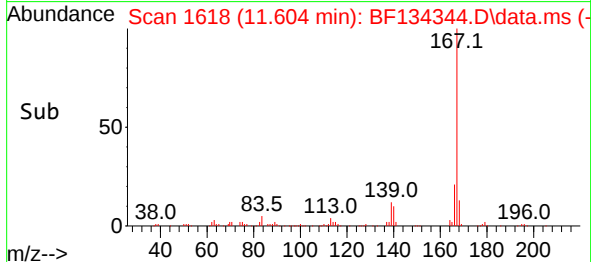
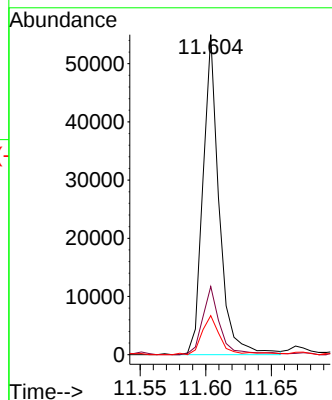
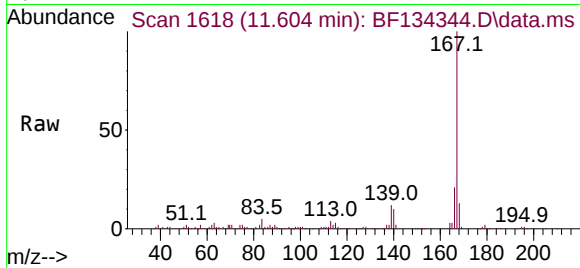




#73
 Carbazole
 Concen: 3.685 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.012 min
 Lab File: BF134344.D
 Acq: 18 Jul 2023 18:36

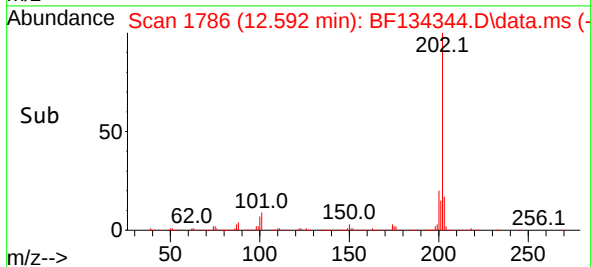
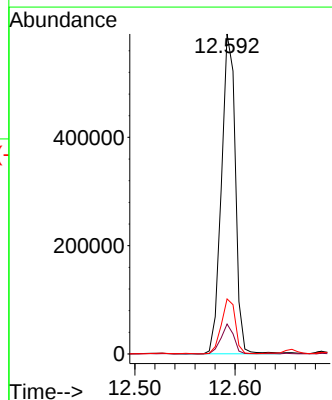
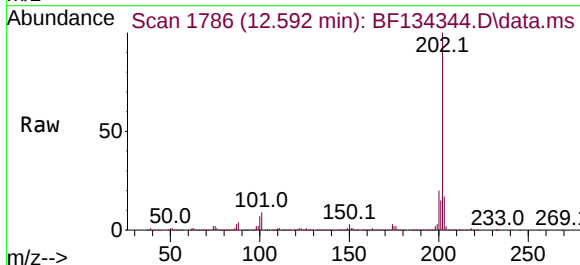
Instrument :
 BNA_F
 ClientSampleId :
 RB-43-(0-2)

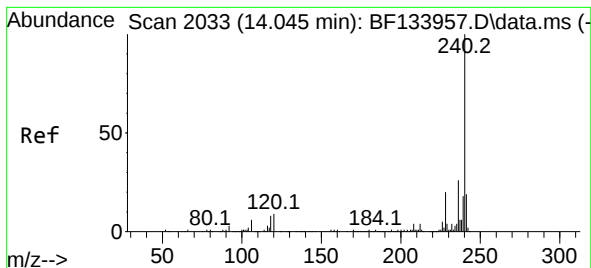
Tgt Ion:167 Resp: 47423
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 12.2 10.4 15.6



#75
 Fluoranthene
 Concen: 38.841 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF134344.D
 Acq: 18 Jul 2023 18:36

Tgt Ion:202 Resp: 567650
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.0
 203 17.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

Instrument :

BNA_F

ClientSampleId :

RB-43-(0-2)

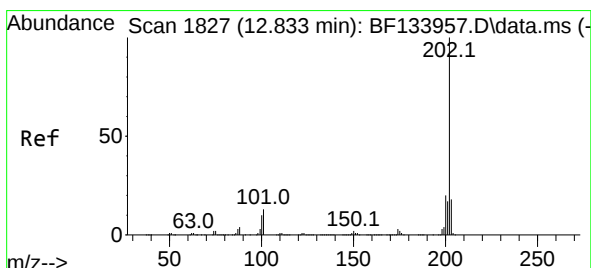
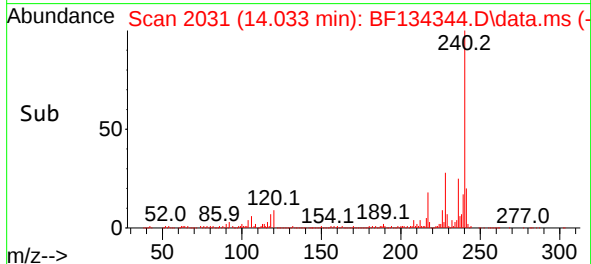
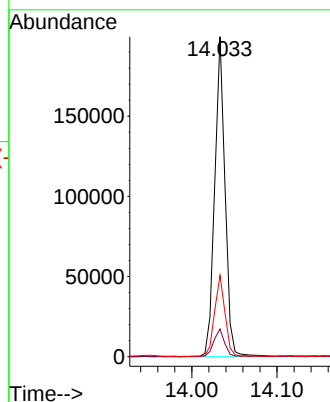
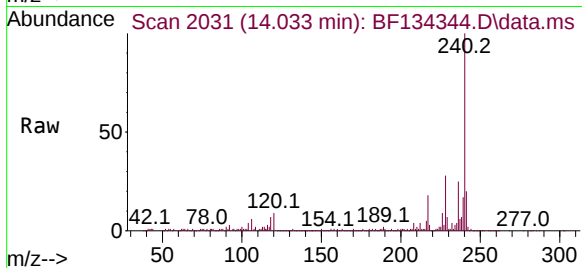
Tgt Ion:240 Resp: 168867

Ion Ratio Lower Upper

240 100

120 8.6 7.4 11.0

236 25.4 21.0 31.6



#78

Pyrene

Concen: 30.467 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

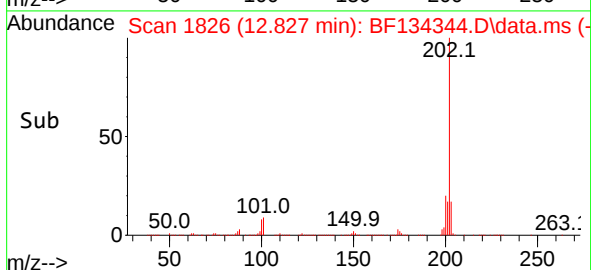
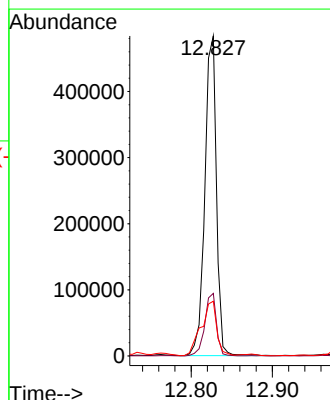
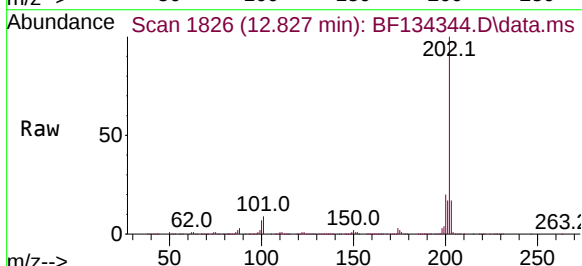
Tgt Ion:202 Resp: 478798

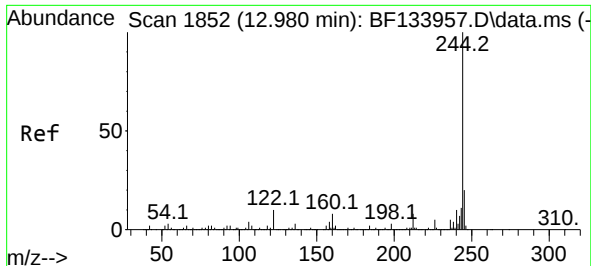
Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 17.1 14.3 21.5

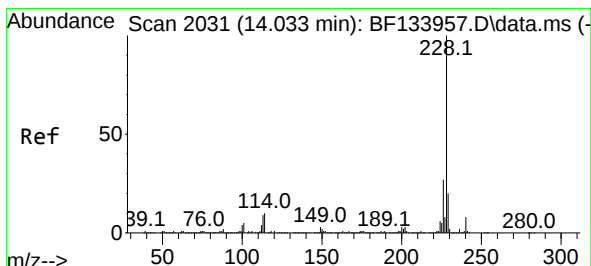
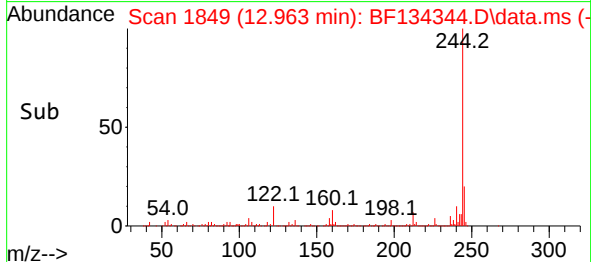
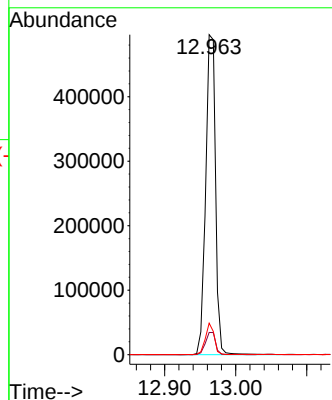
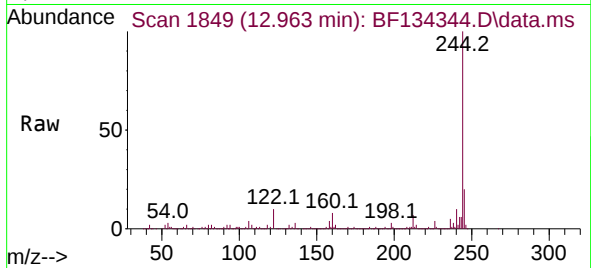




#79
 Terphenyl-d14
 Concen: 45.676 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134344.D
 Acq: 18 Jul 2023 18:36

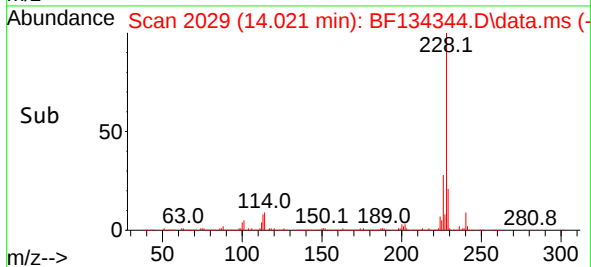
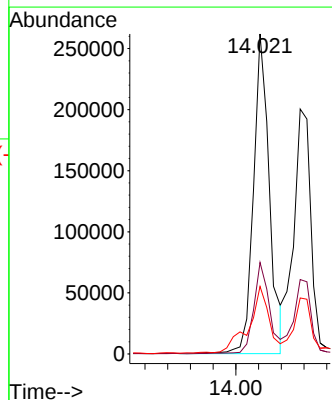
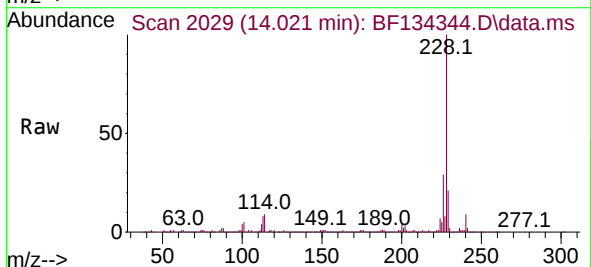
Instrument :
 BNA_F
 ClientSampleId :
 RB-43-(0-2)

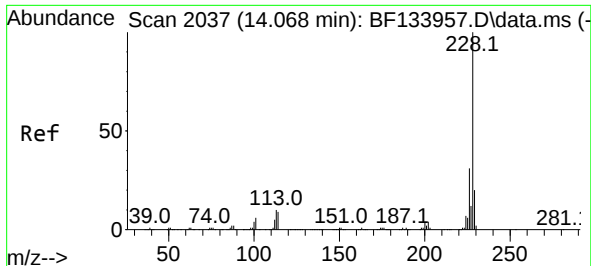
Tgt Ion:244 Resp: 479257
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.9 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 21.759 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134344.D
 Acq: 18 Jul 2023 18:36

Tgt Ion:228 Resp: 254823
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 21.1 16.3 24.5

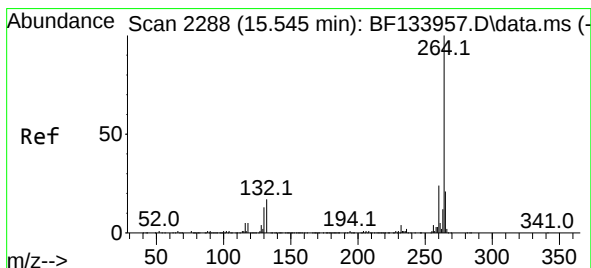
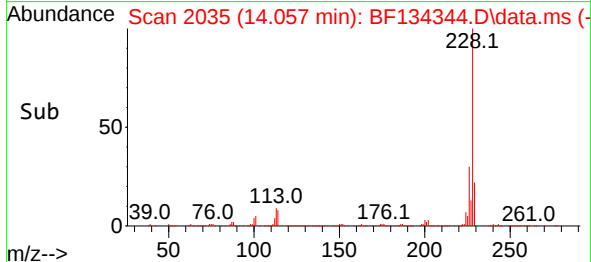
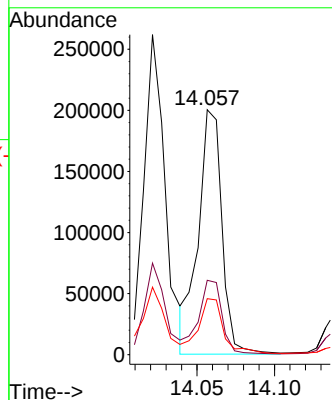
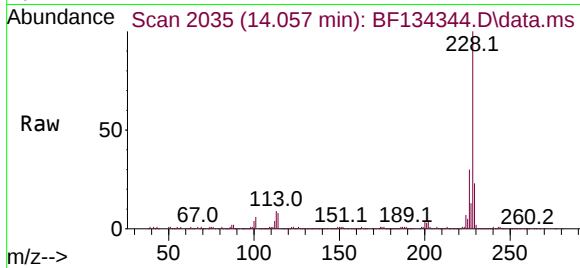




#83
Chrysene
Concen: 18.815 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

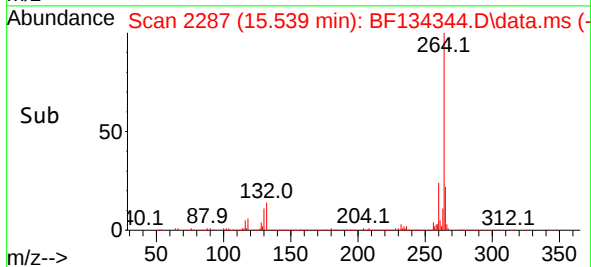
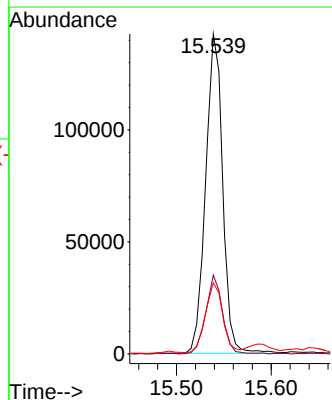
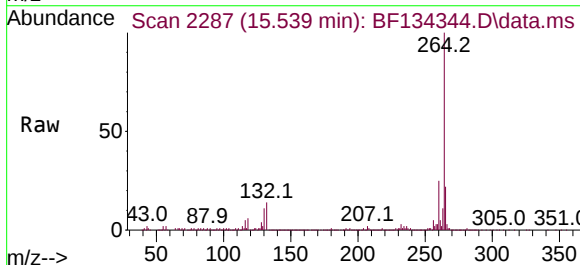
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

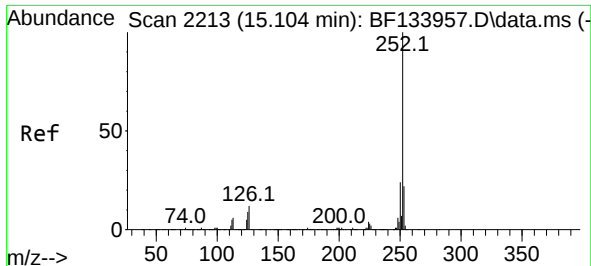
Tgt Ion:228 Resp: 213423
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.9 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion:264 Resp: 177589
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.3 16.6 25.0

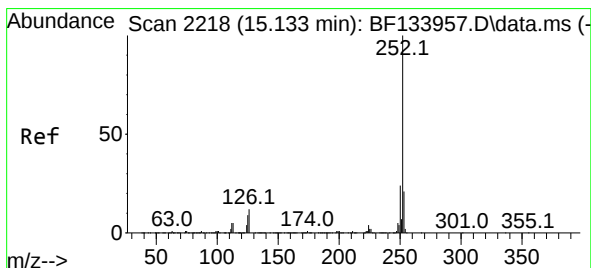
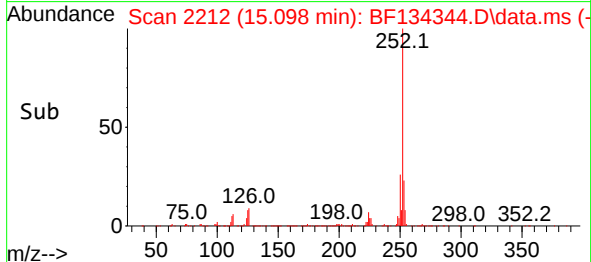
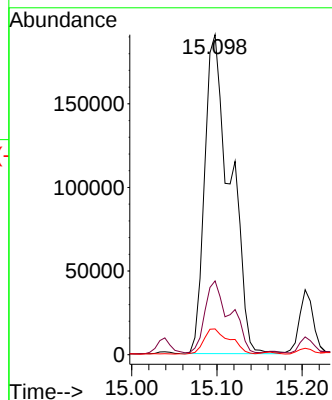
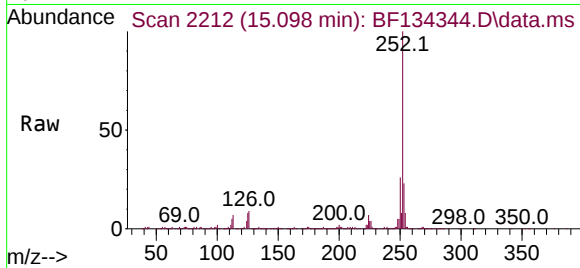




#88
Benzo(b)fluoranthene
Concen: 38.202 ng
RT: 15.098 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

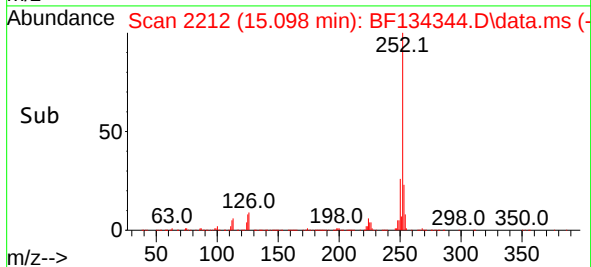
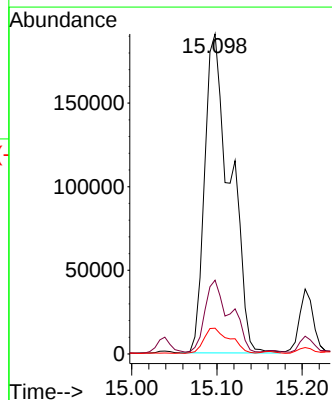
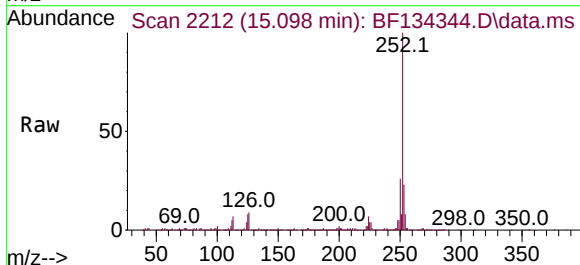
Instrument :
BNA_F
ClientSampleId :
RB-43-(0-2)

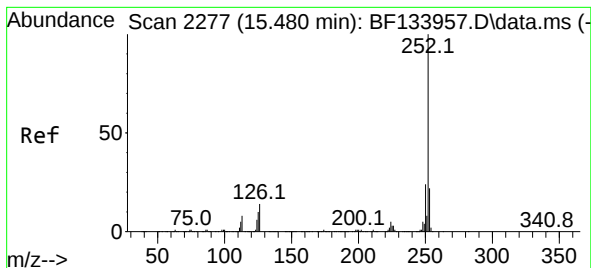
Tgt Ion:252 Resp: 398916
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 8.0 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 37.521 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.035 min
Lab File: BF134344.D
Acq: 18 Jul 2023 18:36

Tgt Ion:252 Resp: 398916
Ion Ratio Lower Upper
252 100
253 23.0 16.9 25.3
125 8.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 13.310 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.071 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

Instrument :

BNA_F

ClientSampleId :

RB-43-(0-2)

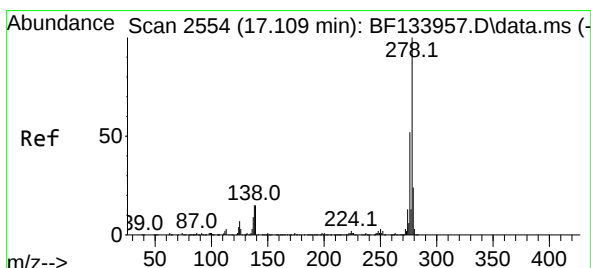
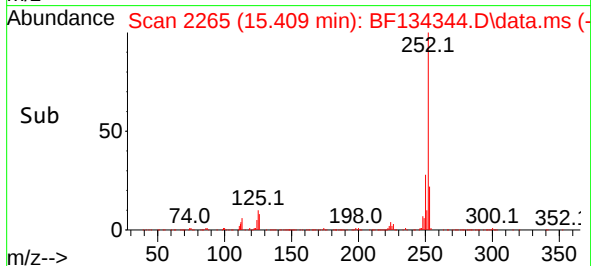
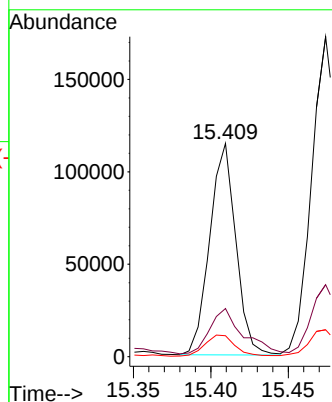
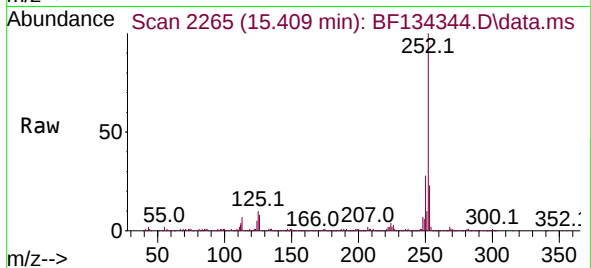
Tgt Ion:252 Resp: 134395

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 9.9 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 3.236 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.024 min

Lab File: BF134344.D

Acq: 18 Jul 2023 18:36

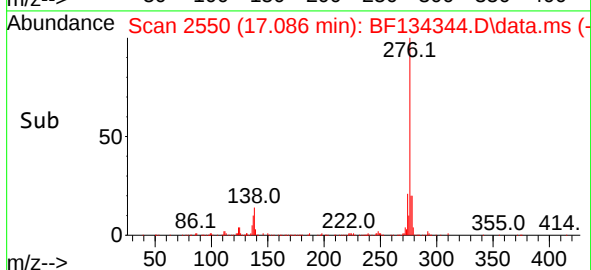
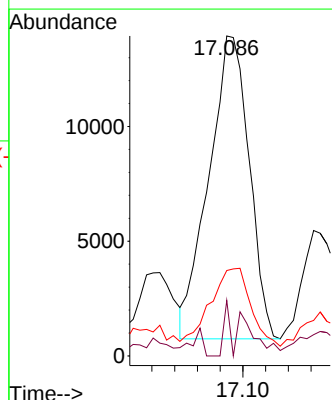
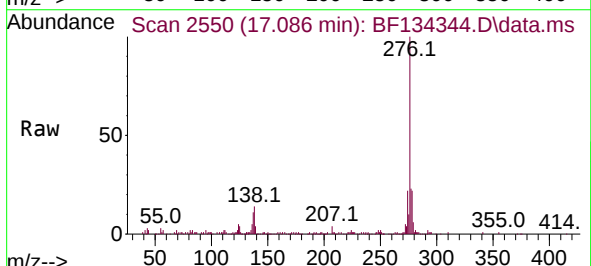
Tgt Ion:278 Resp: 32570

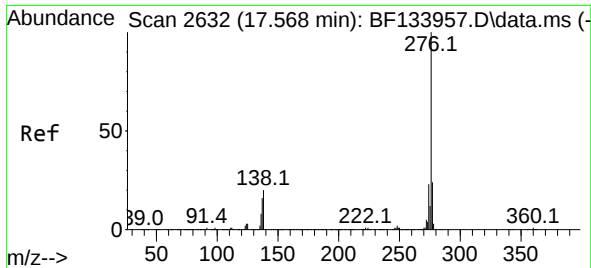
Ion Ratio Lower Upper

278 100

139 17.4 12.2 18.4

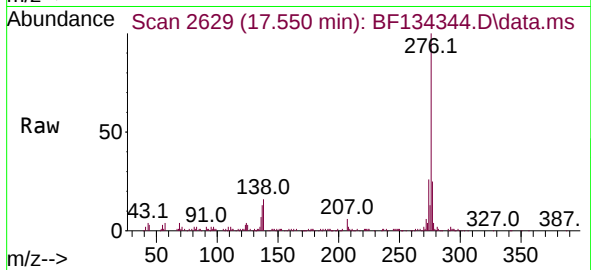
279 26.7 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 10.782 ng
 RT: 17.550 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF134344.D
 Acq: 18 Jul 2023 18:36

Instrument :
 BNA_F
 ClientSampleId :
 RB-43-(0-2)



Tgt Ion:276 Resp: 111909
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.0 28.6
 138 16.4 16.2 24.2

