

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134231.D
 Acq On : 12 Jul 2023 01:13
 Operator : CG\JU
 Sample : 03392-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 01:59:21 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)

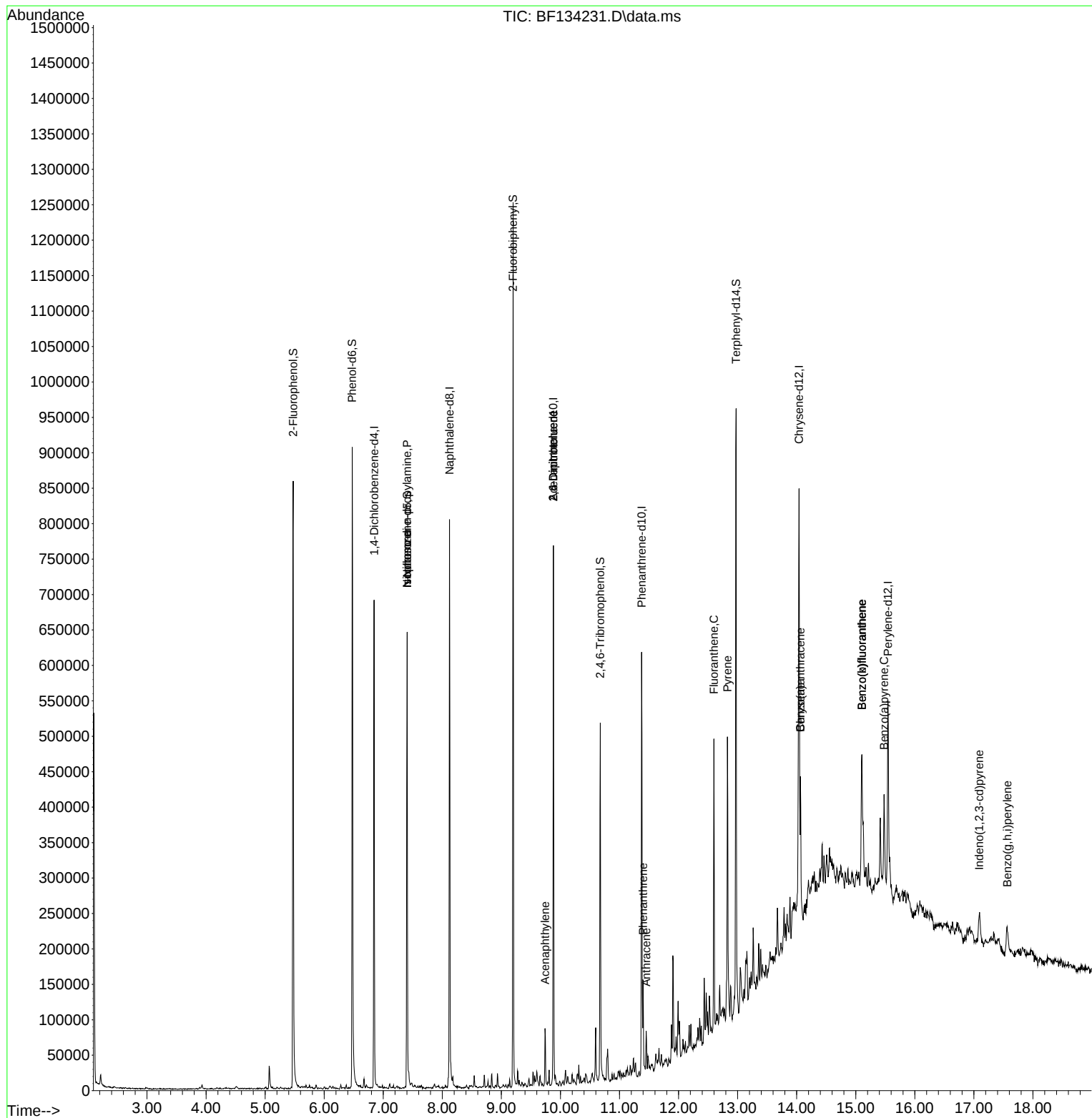
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	93345	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	317385	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	129561	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	222349	20.000	ng	0.00
76) Chrysene-d12	14.039	240	173208	20.000	ng	0.00
86) Perylene-d12	15.545	264	127673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	240609	43.118	ng	0.00
7) Phenol-d6	6.475	99	272982	39.778	ng	-0.01
23) Nitrobenzene-d5	7.404	82	177822	30.202	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	58827	36.214	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	317441	35.622	ng	0.00
79) Terphenyl-d14	12.974	244	309346	28.744	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	293	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.404	70	24587	5.650 ng	#	78
25) Isophorone	7.404	82	177822	16.618 ng	#	64
49) Acenaphthylene	9.739	152	33881	2.608 ng		97
51) 2,6-Dinitrotoluene	9.880	165	17170	8.476 ng	#	23
57) 2,4-Dinitrotoluene	9.880	165	17170	6.418 ng	#	22
71) Phenanthrene	11.398	178	44362	3.963 ng		98
72) Anthracene	11.451	178	25860	2.221 ng		100
75) Fluoranthene	12.598	202	152418	12.595 ng		98
78) Pyrene	12.827	202	165837	10.288 ng		99
81) Benzo(a)anthracene	14.063	228	86914	7.235 ng		92
83) Chrysene	14.063	228	86914	7.470 ng		96
87) Indeno(1,2,3-cd)pyrene	17.092	276	36704	4.143 ng		96
88) Benzo(b)fluoranthene	15.104	252	135818	18.092 ng	#	96
89) Benzo(k)fluoranthene	15.104	252	135818	17.769 ng	#	95
90) Benzo(a)pyrene	15.480	252	51978	7.160 ng	#	92
92) Benzo(g,h,i)perylene	17.568	276	36702	4.918 ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134231.D
Acq On : 12 Jul 2023 01:13
Operator : CG\JU
Sample : 03392-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 12 01:59:21 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

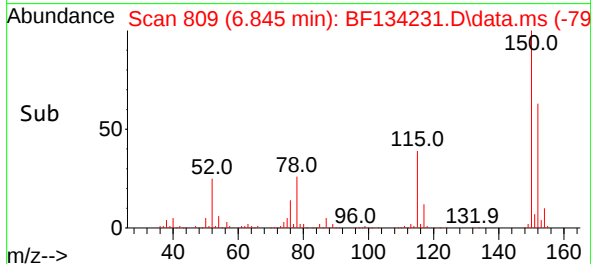
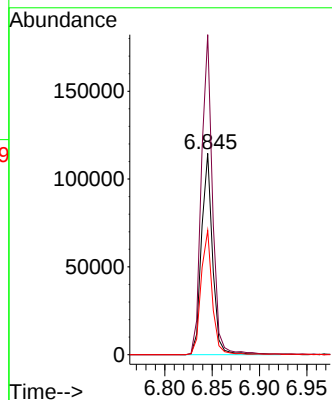
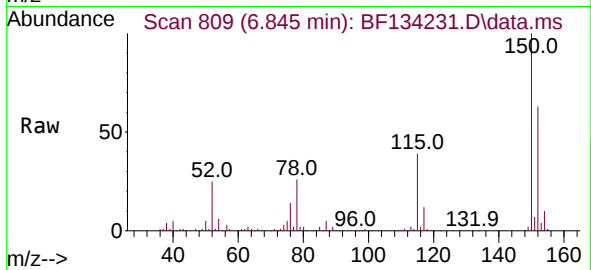




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

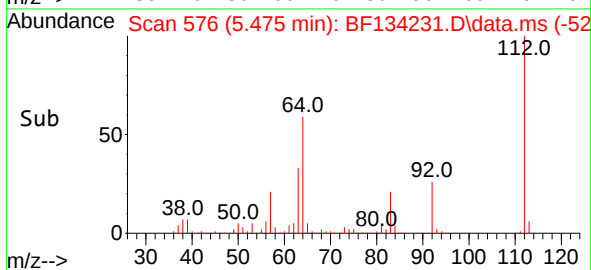
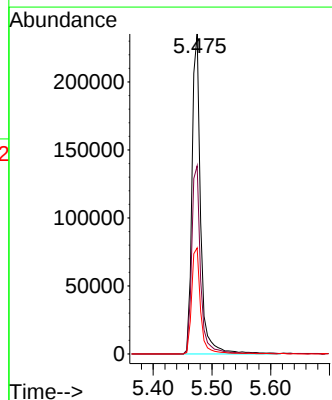
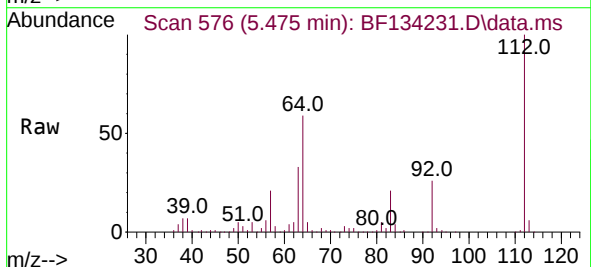
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 93345
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 61.7 50.2 75.2



#5
2-Fluorophenol
Concen: 43.118 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

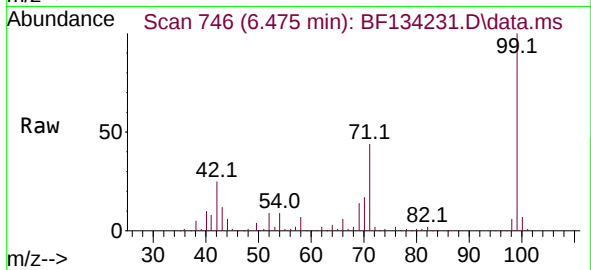
Tgt Ion:112 Resp: 240609
Ion Ratio Lower Upper
112 100
64 58.8 52.1 78.1
63 33.1 28.6 42.8



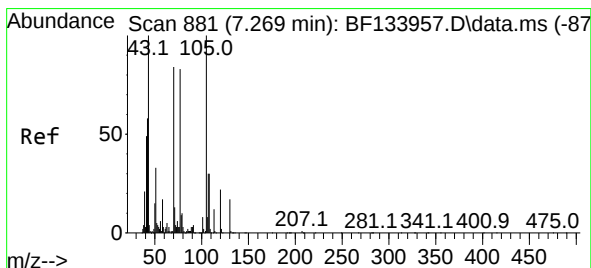
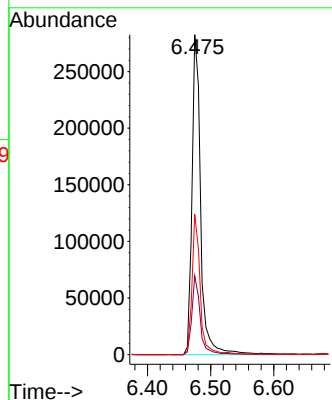
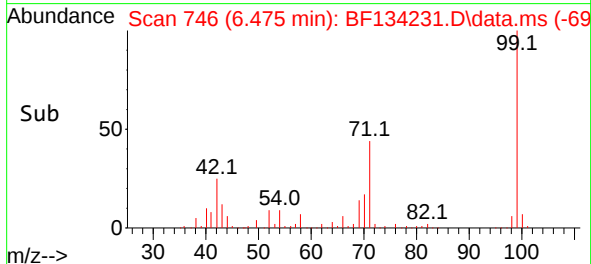


#7
Phenol-d6
Concen: 39.778 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

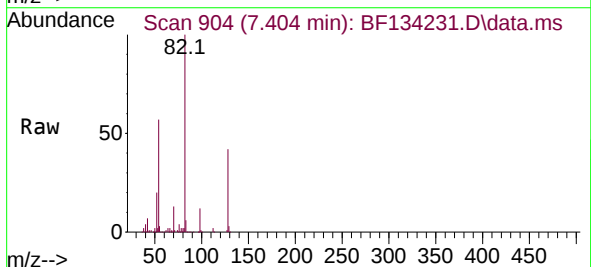
Instrument :
BNA_F
ClientSampleId :



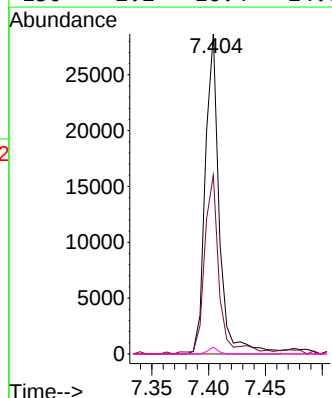
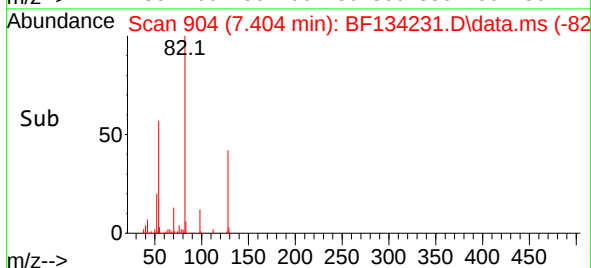
Tgt Ion: 99 Resp: 272982
Ion Ratio Lower Upper
99 100
42 24.6 19.8 29.6
71 43.9 31.9 47.9

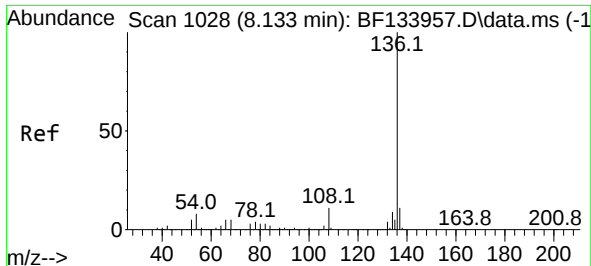


#19
n-Nitroso-di-n-propylamine
Concen: 5.650 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13



Tgt Ion: 70 Resp: 24587
Ion Ratio Lower Upper
70 100
42 55.9 54.7 82.1
101 0.0 7.7 11.5#
130 2.2 16.4 24.6#



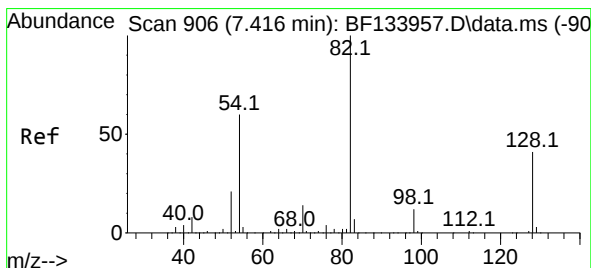
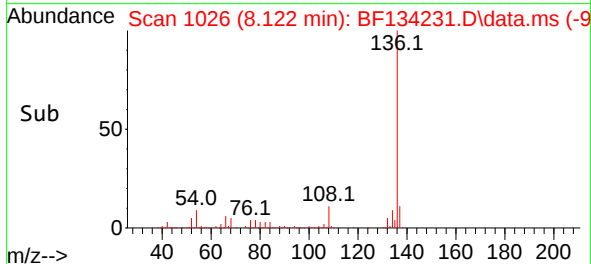
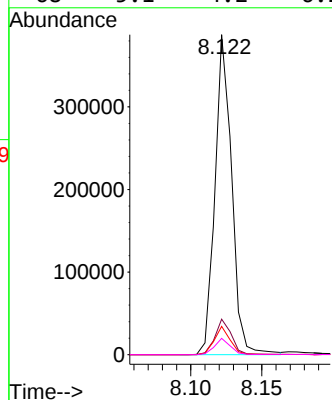
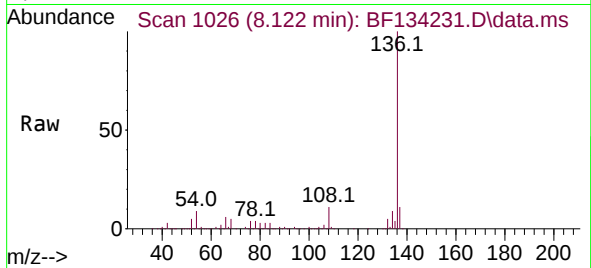


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 317385

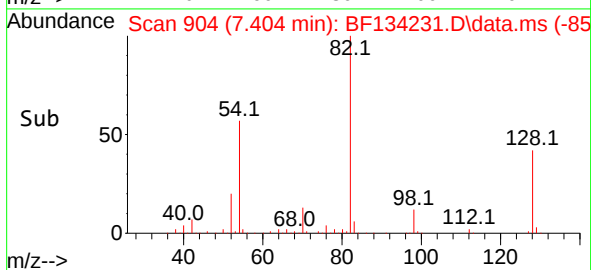
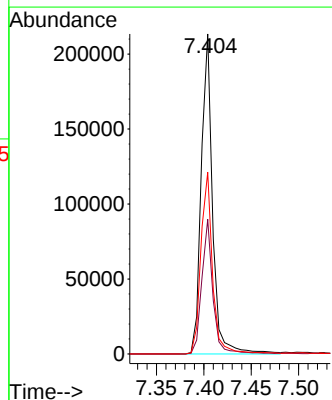
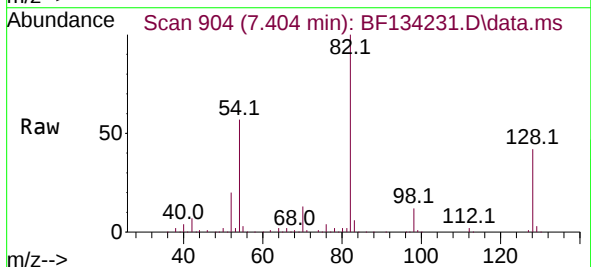
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	8.8	6.5	9.7
68	5.1	4.2	6.2

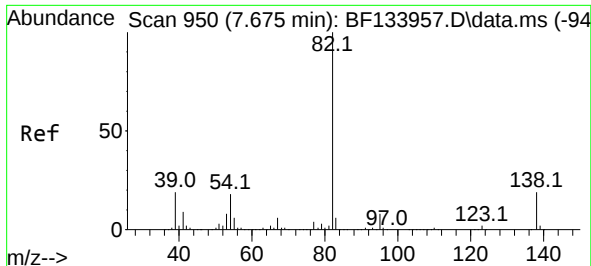


#23
Nitrobenzene-d5
Concen: 30.202 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion: 82 Resp: 177822

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.5	48.7
54	56.8	48.2	72.2

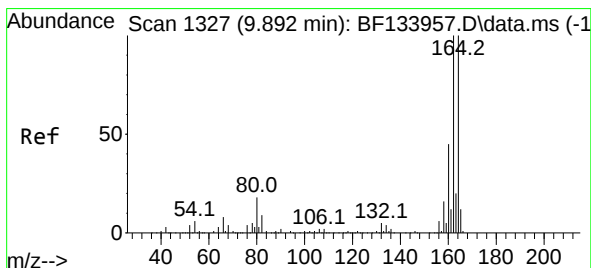
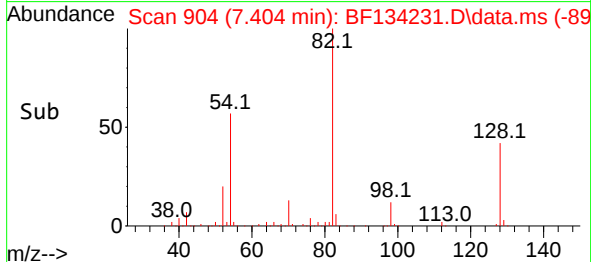
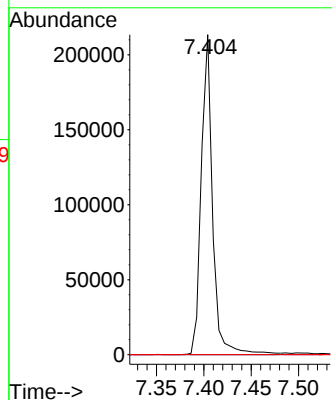
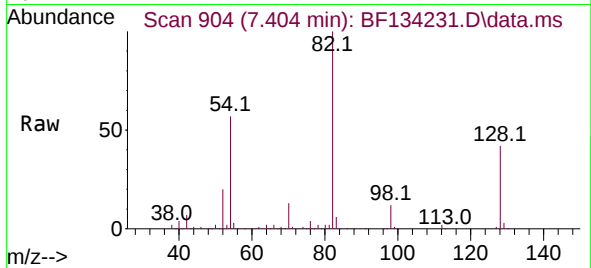




#25
Isophorone
Concen: 16.618 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

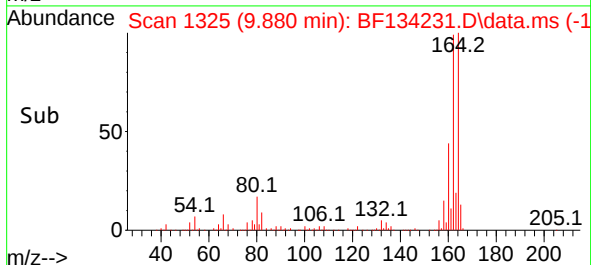
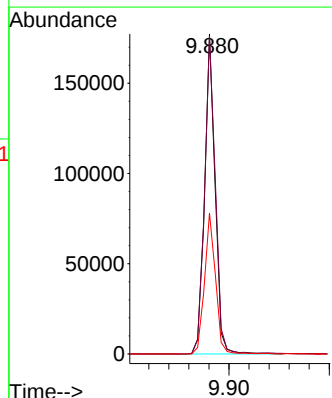
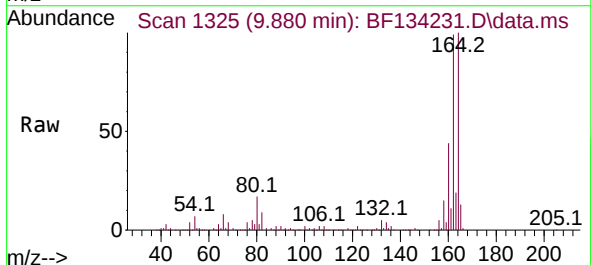
Instrument :
BNA_F
ClientSampleId :

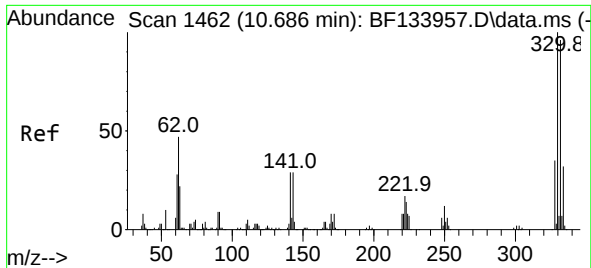
Tgt Ion: 82 Resp: 177822
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

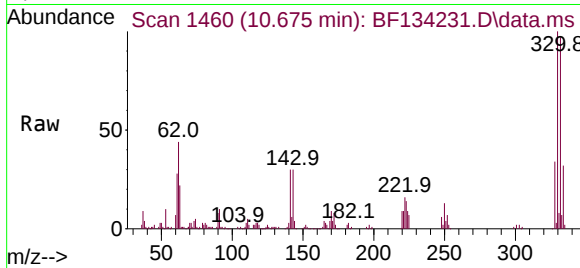
Tgt Ion:164 Resp: 129561
Ion Ratio Lower Upper
164 100
162 99.2 80.0 120.0
160 44.0 35.9 53.9



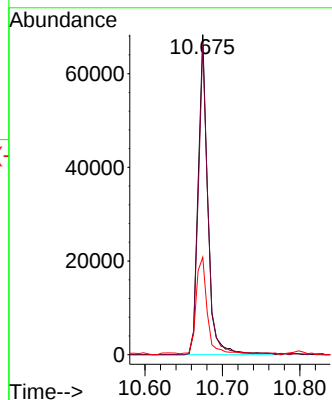
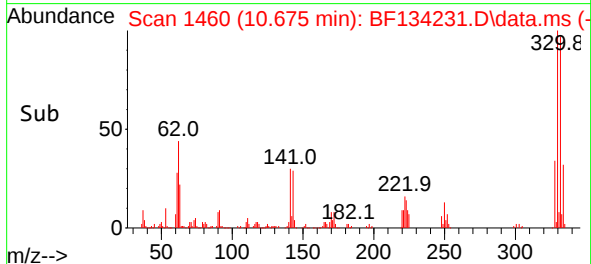


#42
2,4,6-Tribromophenol
Concen: 36.214 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

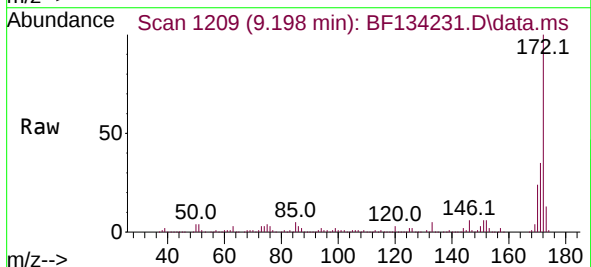
Instrument :
BNA_F
ClientSampleId :



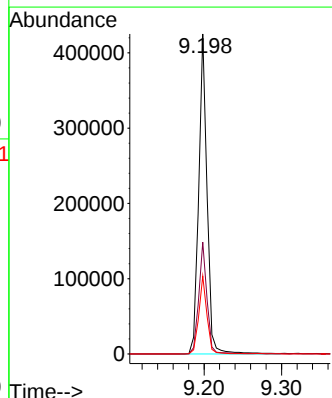
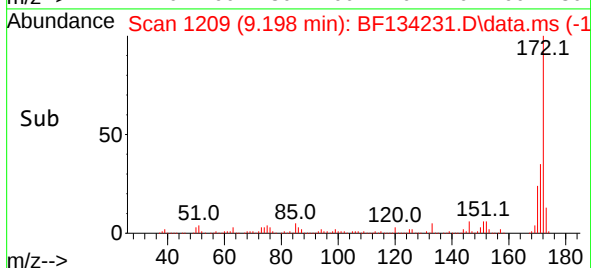
Tgt Ion:330 Resp: 58827
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 34.5 26.3 39.5

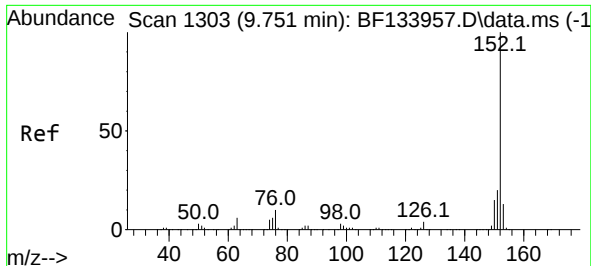


#45
2-Fluorobiphenyl
Concen: 35.622 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13



Tgt Ion:172 Resp: 317441
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 24.3 19.4 29.0





#49

Acenaphthylene

Concen: 2.608 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNA_F

ClientSampleId :

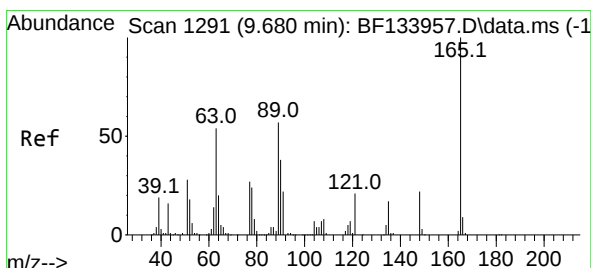
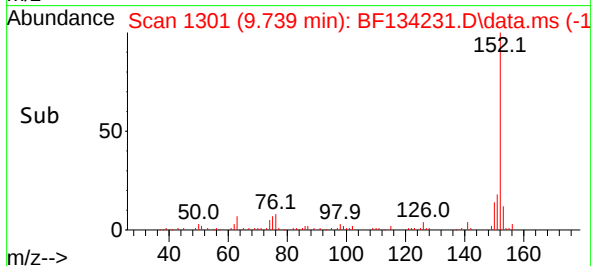
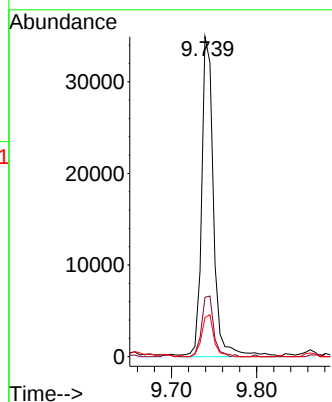
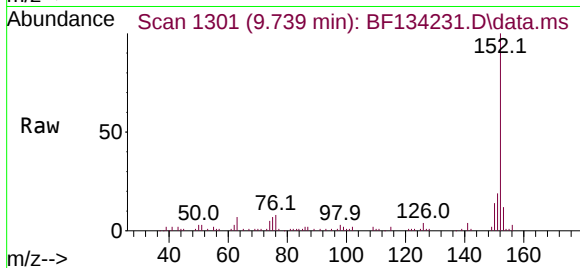
Tgt Ion:152 Resp: 33881

Ion Ratio Lower Upper

152 100

151 18.5 16.2 24.2

153 12.2 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 8.476 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

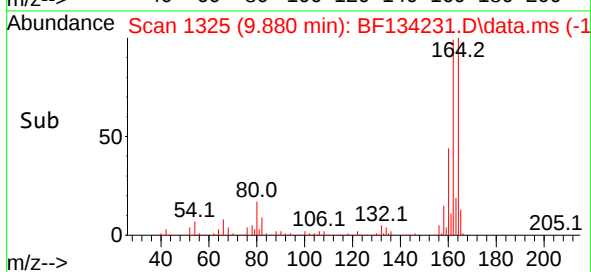
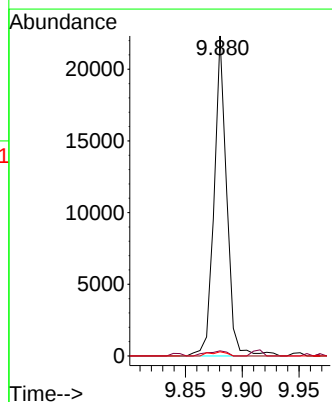
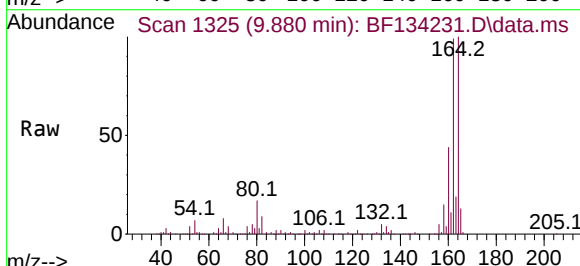
Tgt Ion:165 Resp: 17170

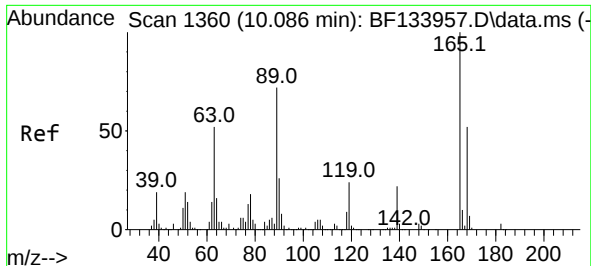
Ion Ratio Lower Upper

165 100

63 1.6 48.5 72.7#

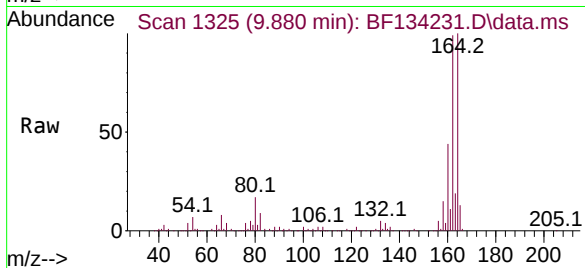
89 1.3 45.5 68.3#



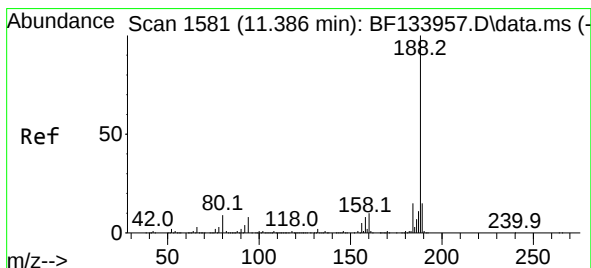
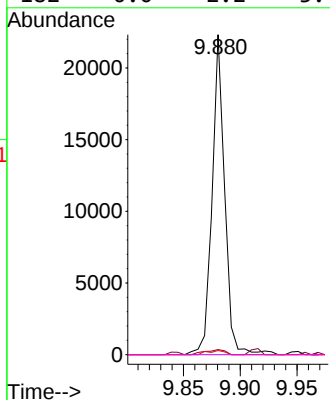
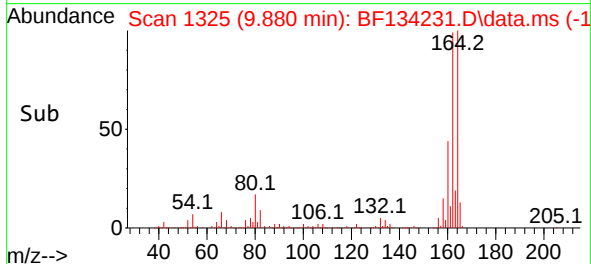


#57
2,4-Dinitrotoluene
Concen: 6.418 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

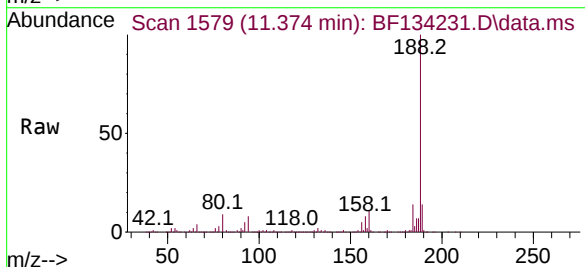
Instrument :
BNA_F
ClientSampleId :



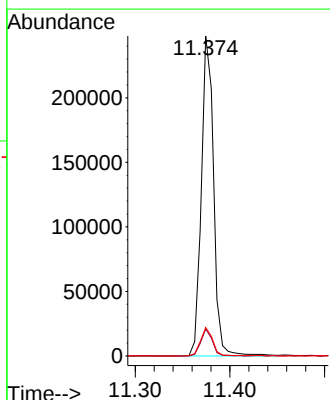
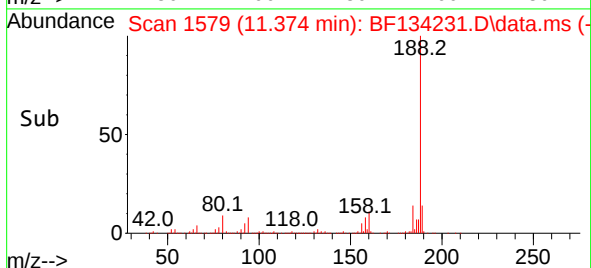
Tgt Ion:165 Resp: 17170
Ion Ratio Lower Upper
165 100
63 1.6 42.2 63.2#
89 1.3 57.4 86.2#
182 0.0 2.2 3.4#

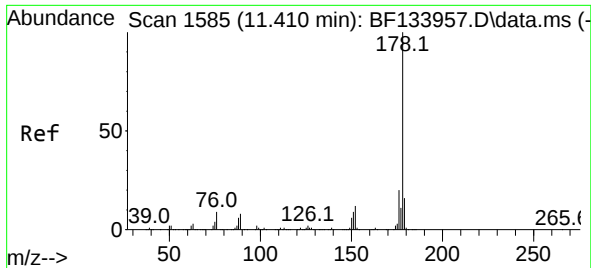


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13



Tgt Ion:188 Resp: 222349
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.9 7.3 10.9

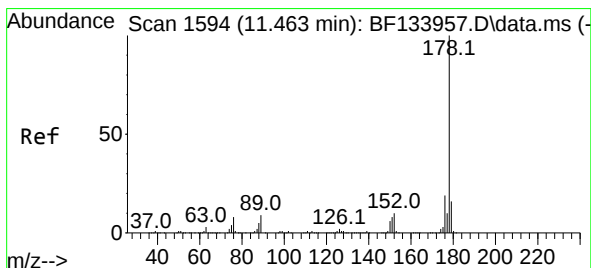
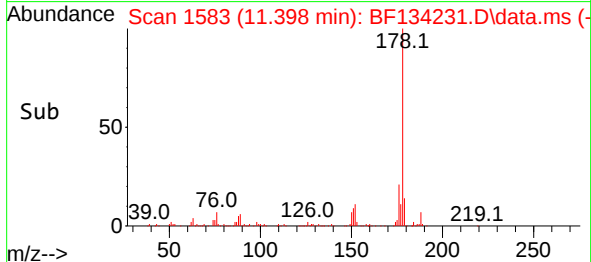
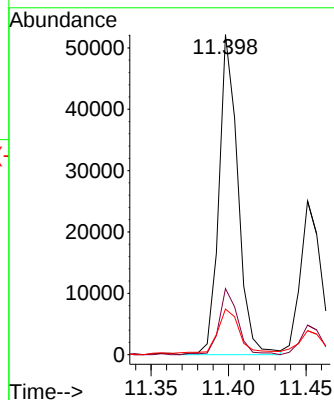
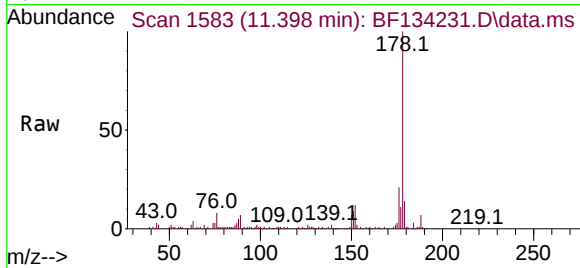




#71
Phenanthrene
Concen: 3.963 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

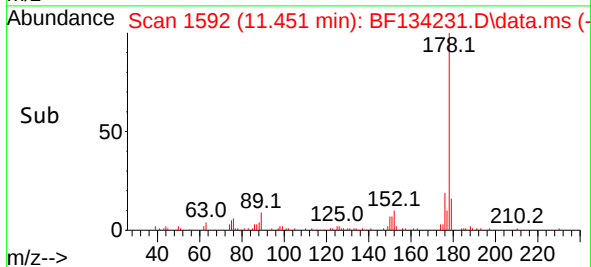
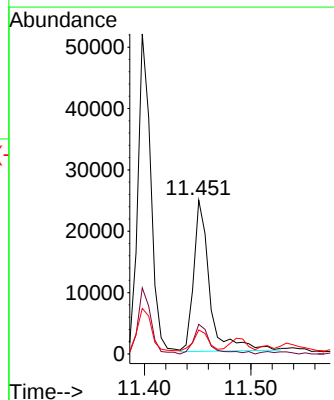
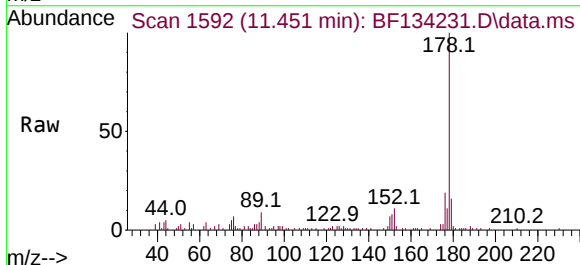
Instrument :
BNA_F
ClientSampleId :

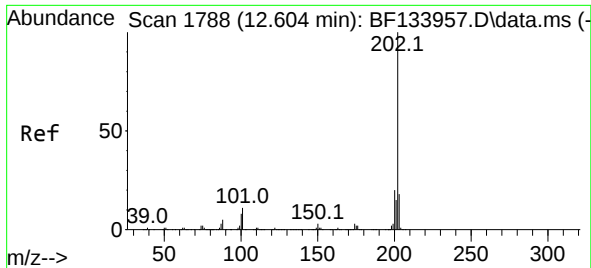
Tgt Ion:178 Resp: 44362
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 14.3 12.4 18.6



#72
Anthracene
Concen: 2.221 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion:178 Resp: 25860
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.4 18.6

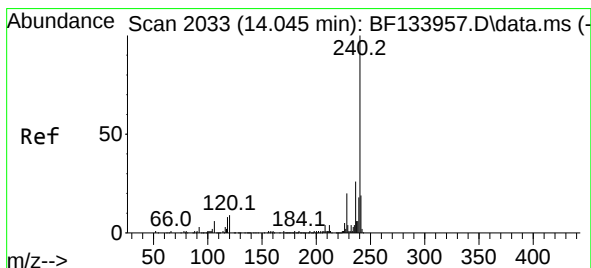
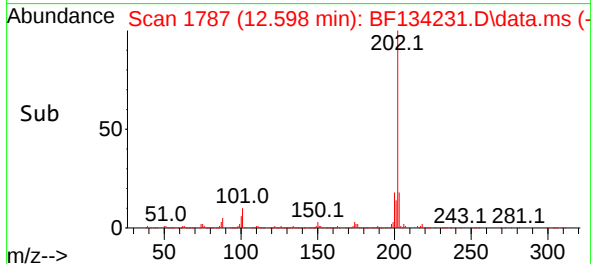
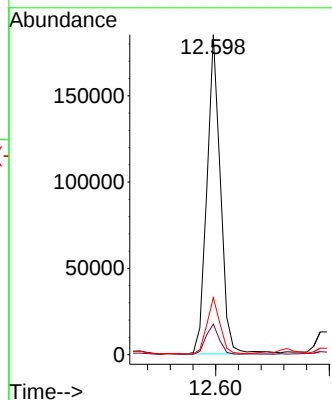
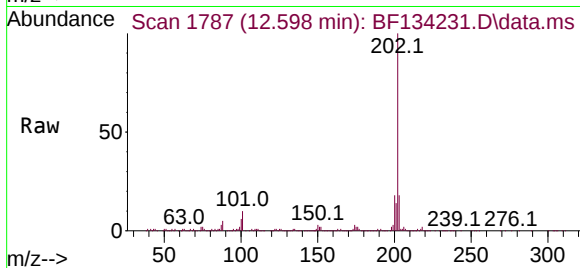




#75
Fluoranthene
Concen: 12.595 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

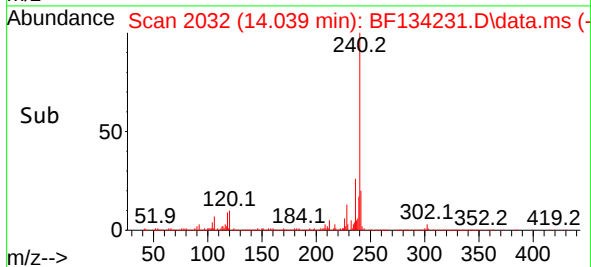
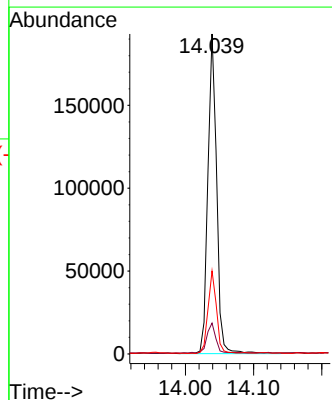
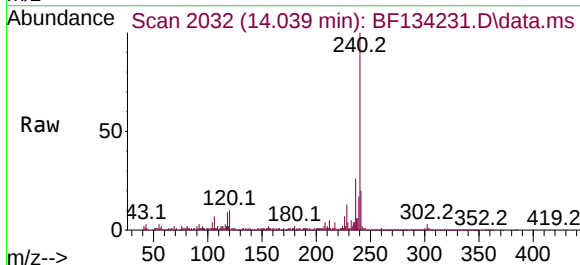
Instrument :
BNA_F
ClientSampleId :

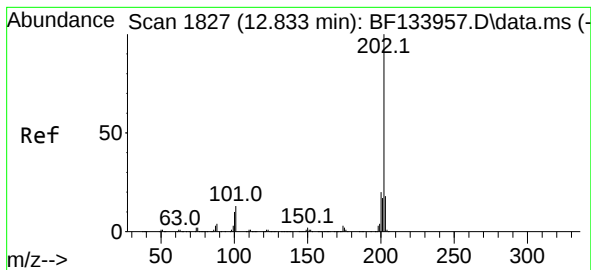
Tgt Ion:202 Resp: 152418
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion:240 Resp: 173208
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 25.9 21.0 31.6





#78

Pyrene

Concen: 10.288 ng

RT: 12.827 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNA_F

ClientSampleId :

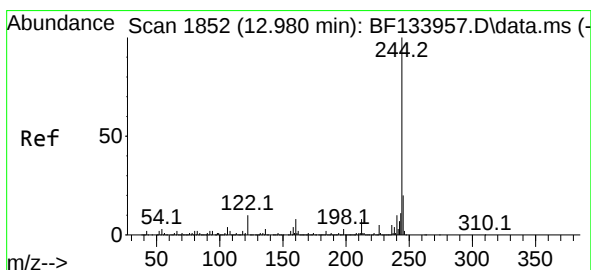
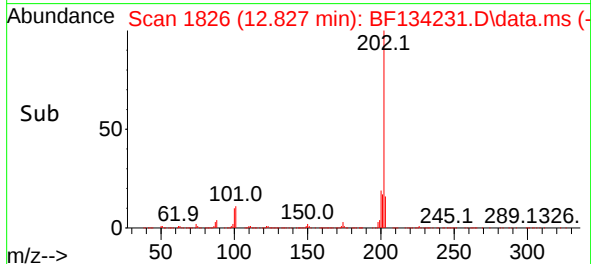
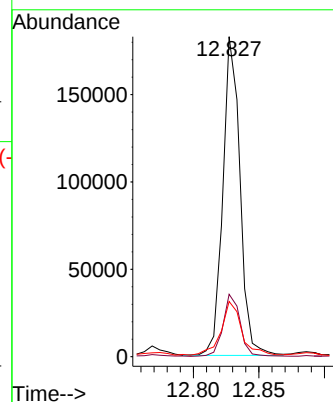
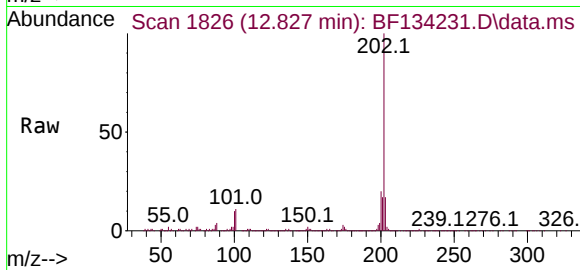
Tgt Ion:202 Resp: 165837

Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 17.2 14.3 21.5



#79

Terphenyl-d14

Concen: 28.744 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

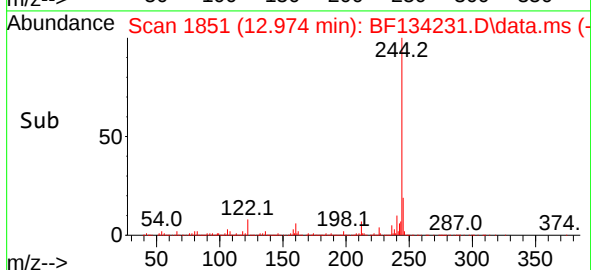
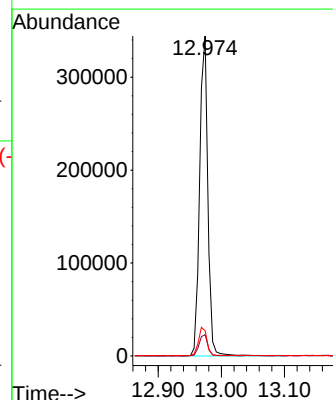
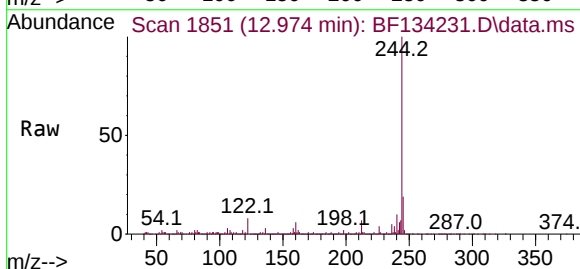
Tgt Ion:244 Resp: 309346

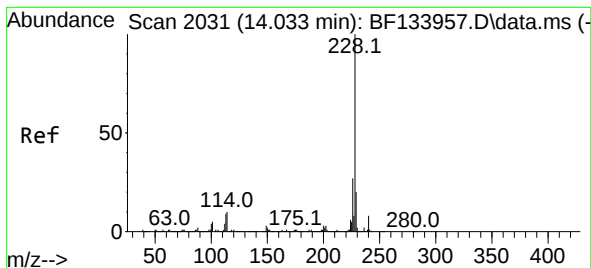
Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 7.9 8.3 12.5#





#81

Benzo(a)anthracene

Concen: 7.235 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.029 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNA_F

ClientSampleId :

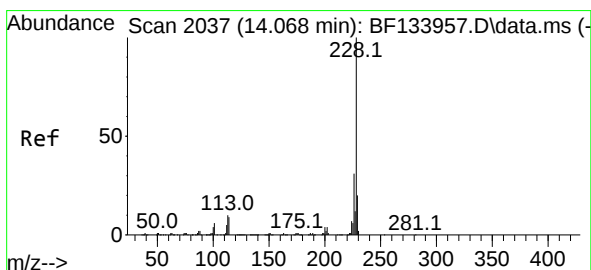
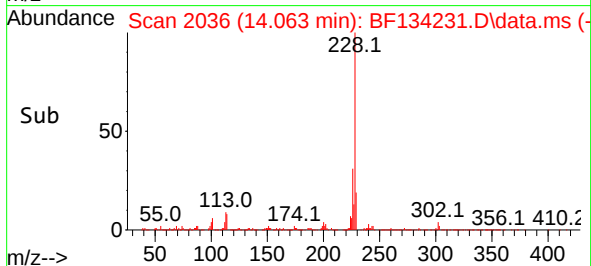
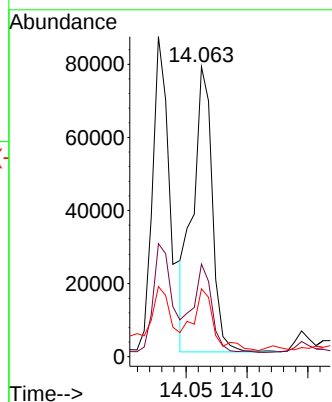
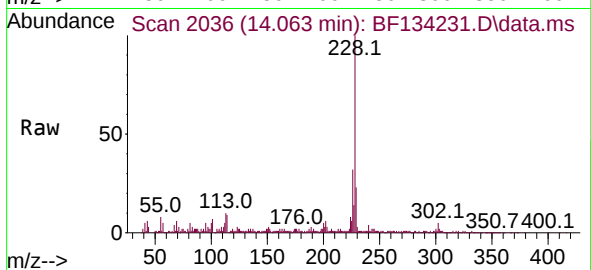
Tgt Ion:228 Resp: 86914

Ion Ratio Lower Upper

228 100

226 32.0 22.0 33.0

229 23.4 16.3 24.5



#83

Chrysene

Concen: 7.470 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

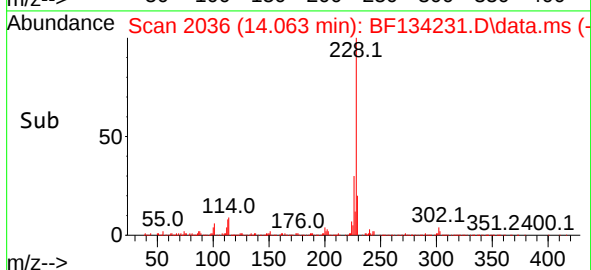
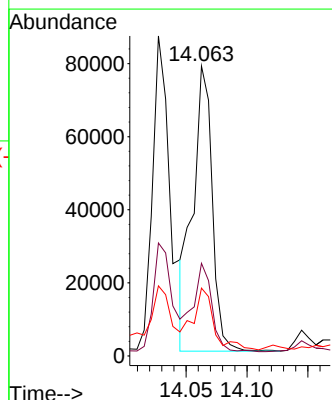
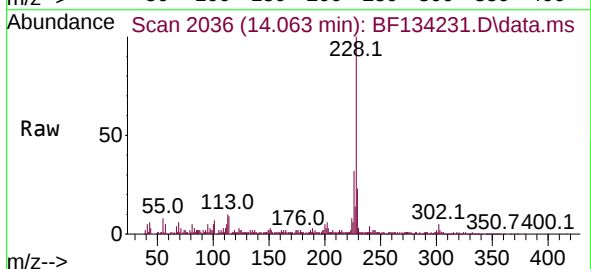
Tgt Ion:228 Resp: 86914

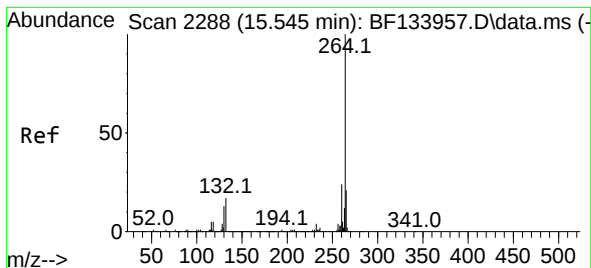
Ion Ratio Lower Upper

228 100

226 32.0 24.4 36.6

229 23.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNA_F

ClientSampleId :

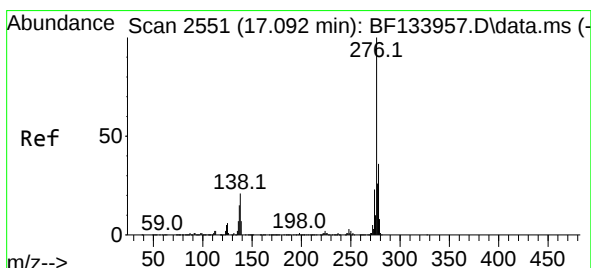
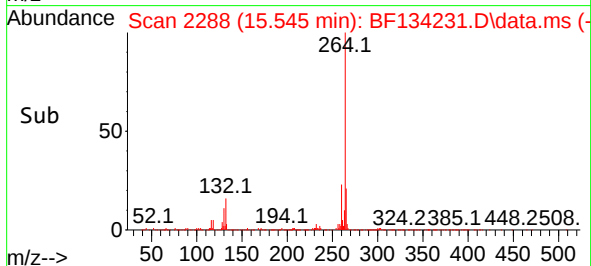
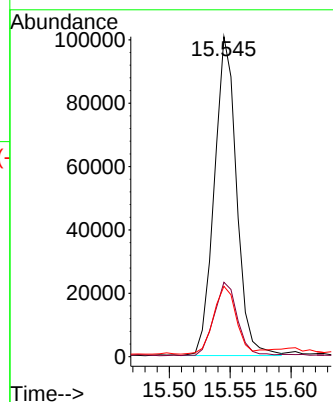
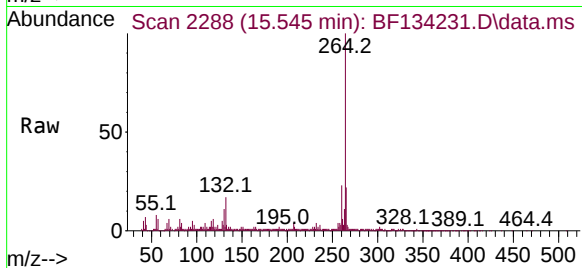
Tgt Ion:264 Resp: 127673

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 22.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.143 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

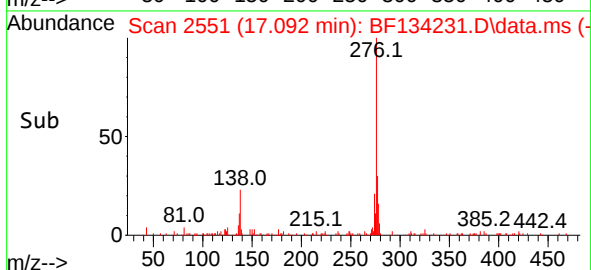
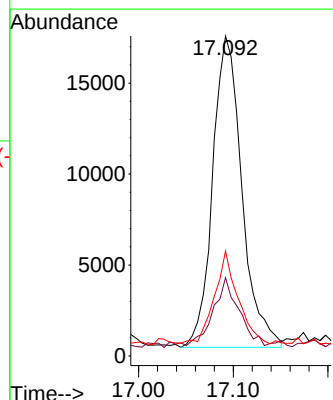
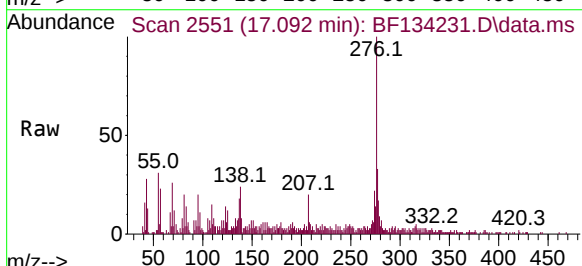
Tgt Ion:276 Resp: 36704

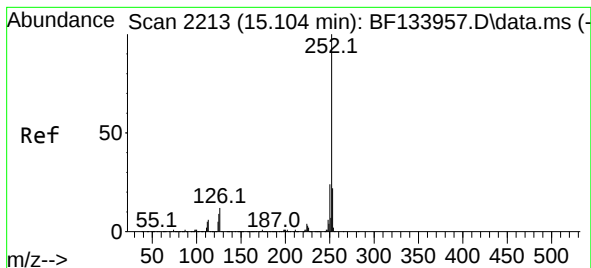
Ion Ratio Lower Upper

276 100

138 20.4 18.7 28.1

277 24.2 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 18.092 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNF

ClientSampleId :

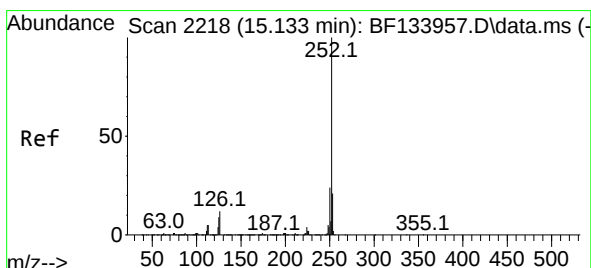
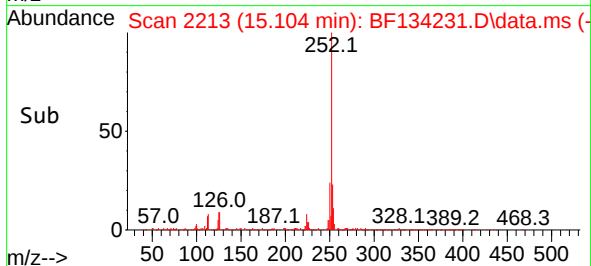
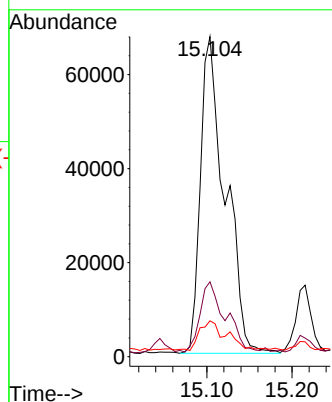
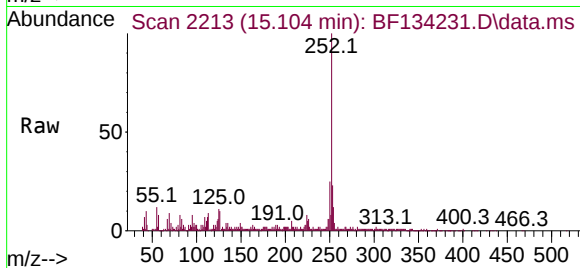
Tgt Ion:252 Resp: 135818

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 11.2 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 17.769 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.029 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

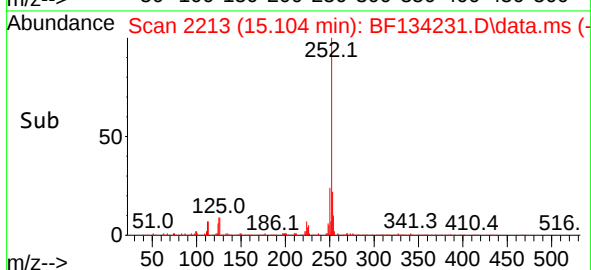
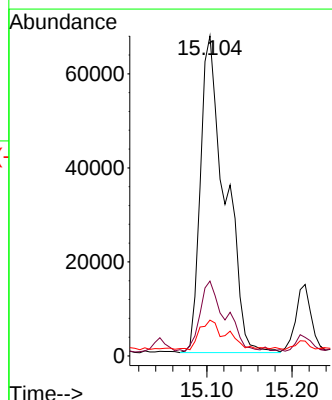
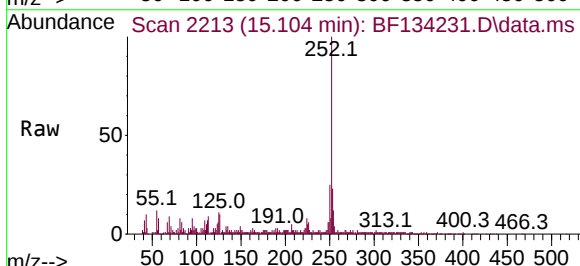
Tgt Ion:252 Resp: 135818

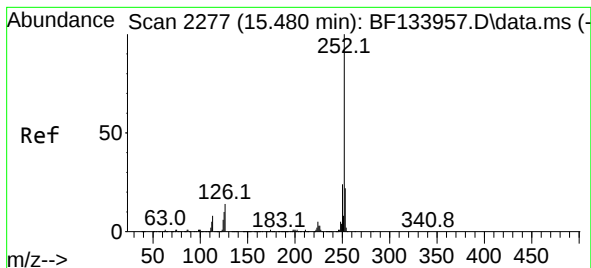
Ion Ratio Lower Upper

252 100

253 23.4 16.9 25.3

125 11.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 7.160 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134231.D

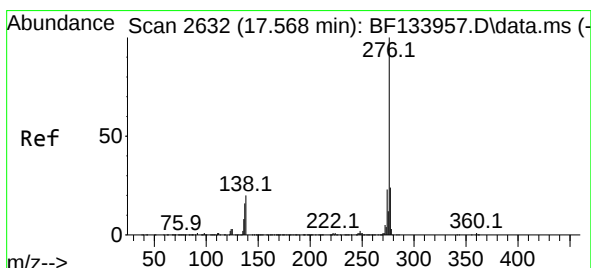
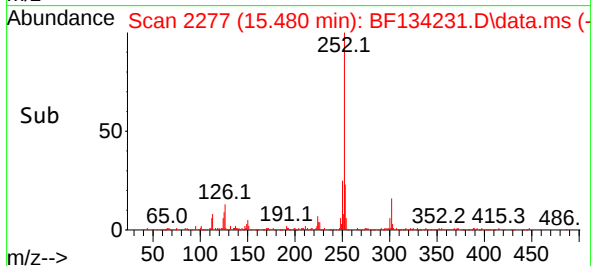
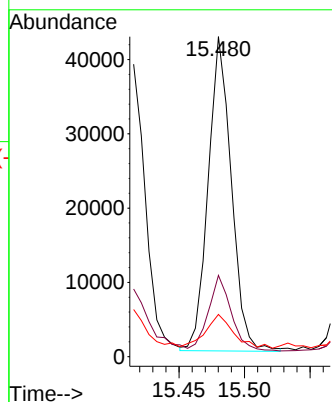
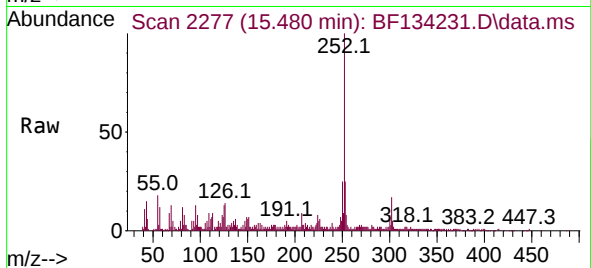
Acq: 12 Jul 2023 01:13

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	51978
Ion Ratio	Lower	Upper
252	100	
253	25.4	17.4 26.0
125	13.2	8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 4.918 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.000 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Tgt Ion:276	Resp:	36702
Ion Ratio	Lower	Upper
276	100	
277	23.2	19.0 28.6
138	20.0	16.2 24.2

