

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133371.D
 Acq On : 12 May 2023 16:07
 Operator : CG\JU
 Sample : 02760-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123

Quant Time: May 12 16:30:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

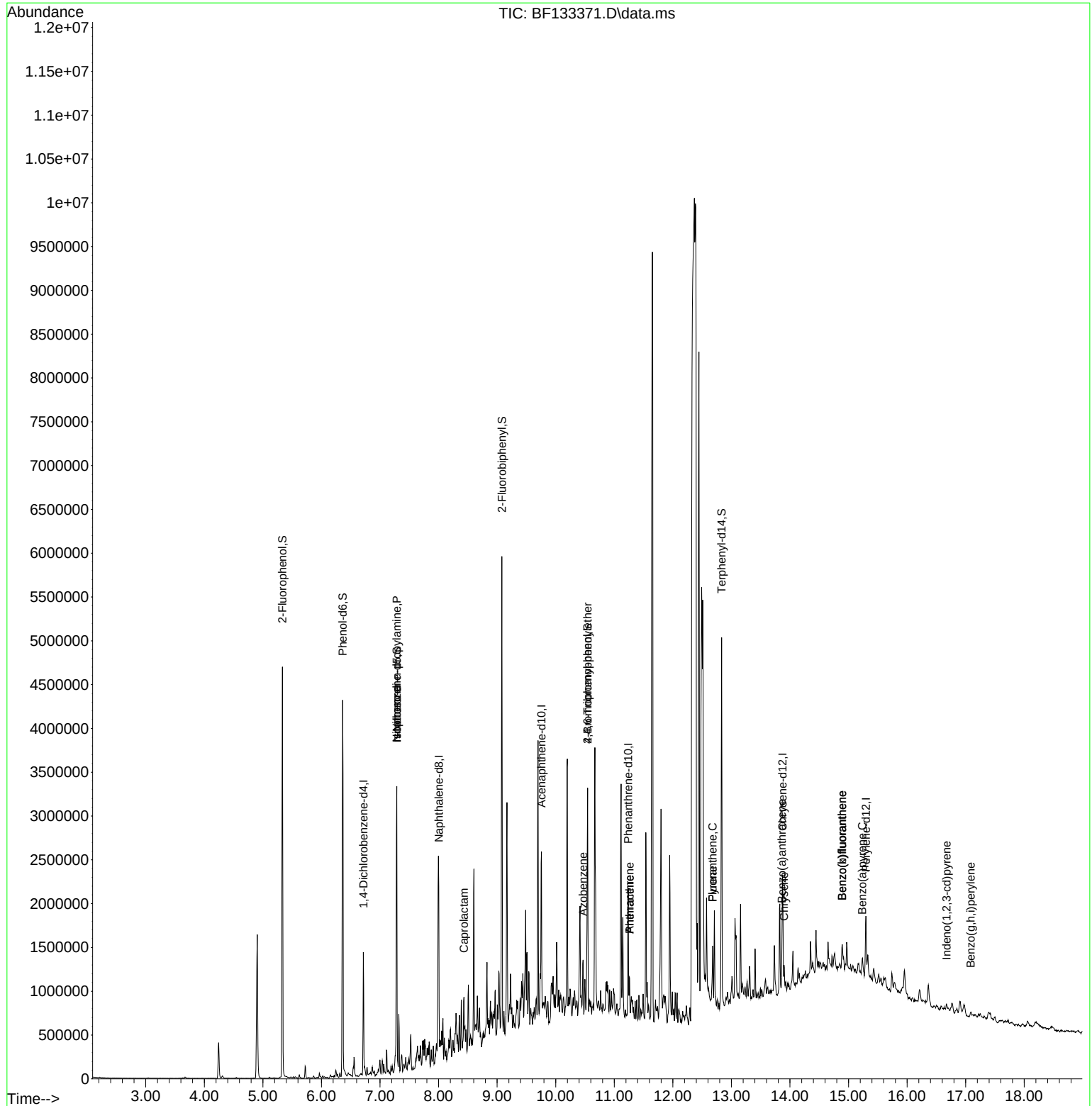
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	194014	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	731312	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	348212	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	541072	20.000	ng	0.00
76) Chrysene-d12	13.874	240	392994	20.000	ng	0.00
86) Perylene-d12	15.298	264	309503	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1370557	106.713	ng	0.00
7) Phenol-d6	6.363	99	1664054	104.386	ng	0.00
23) Nitrobenzene-d5	7.286	82	989515	73.034	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	327973	93.655	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1639280	78.760	ng	0.00
79) Terphenyl-d14	12.833	244	1505900	66.087	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	1210	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.286	70	132843	13.386	ng	# 76
25) Isophorone	7.286	82	979723	38.086	ng	# 63
35) Caprolactam	8.433	113	12033	3.465	ng	# 22
63) Azobenzene	10.469	77	63719	2.623	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	21530	3.669	ng	# 1
71) Phenanthrene	11.263	178	160492	5.519	ng	98
72) Anthracene	11.263	178	160492	5.393	ng	99
75) Fluoranthene	12.680	202	244921	8.392	ng	96
78) Pyrene	12.680	202	246982	7.331	ng	98
81) Benzo(a)anthracene	13.863	228	127305	4.711	ng	# 93
83) Chrysene	13.898	228	124545	4.610	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.674	276	40244	2.286	ng	97
88) Benzo(b)fluoranthene	14.892	252	162493	8.252	ng	# 82
89) Benzo(k)fluoranthene	14.892	252	162493	8.325	ng	# 82
90) Benzo(a)pyrene	15.233	252	78848	4.399	ng	# 83
92) Benzo(g,h,i)perylene	17.086	276	42970	2.964	ng	95

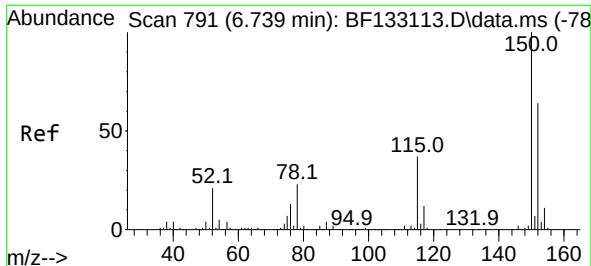
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133371.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.716 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

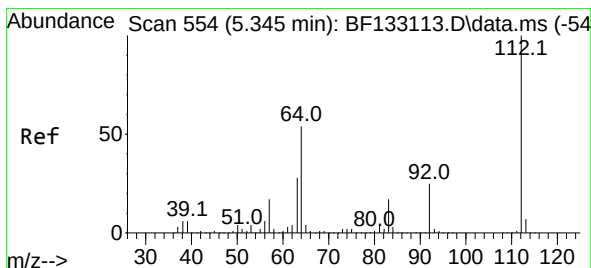
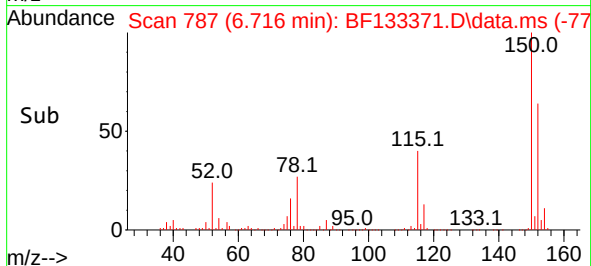
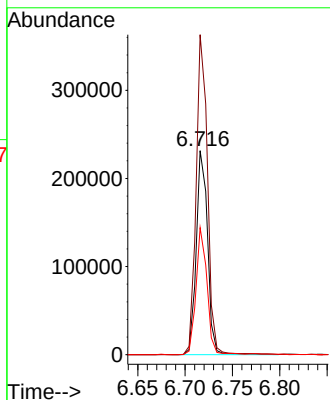
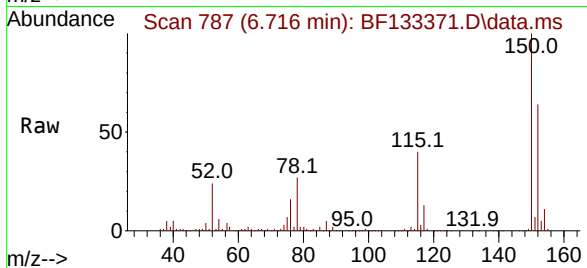
Tgt Ion:152 Resp: 194014

Ion Ratio Lower Upper

152 100

150 156.9 124.8 187.2

115 62.3 49.9 74.9



#5

2-Fluorophenol

Concen: 106.713 ng

RT: 5.334 min Scan# 552

Delta R.T. 0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

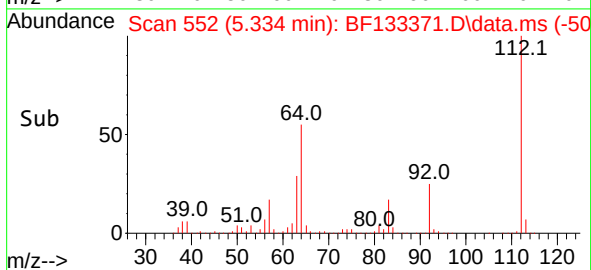
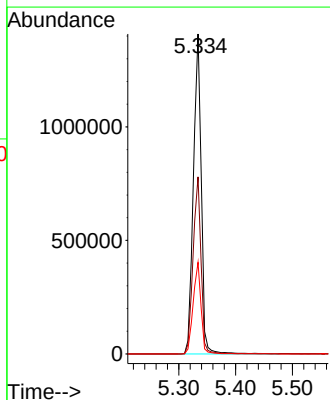
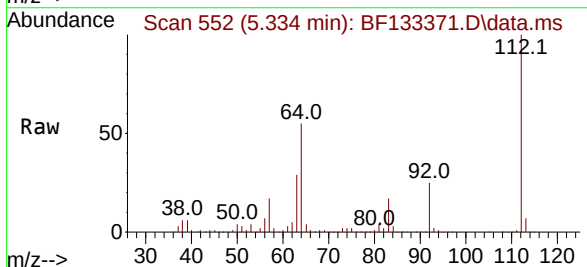
Tgt Ion:112 Resp: 1370557

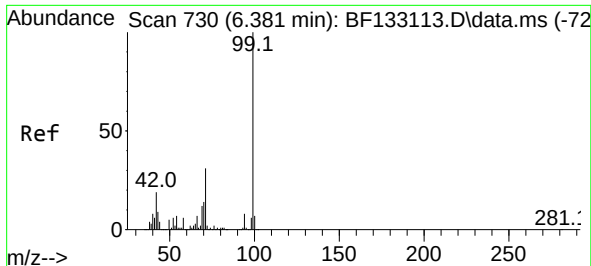
Ion Ratio Lower Upper

112 100

64 55.3 46.8 70.2

63 28.7 23.8 35.8

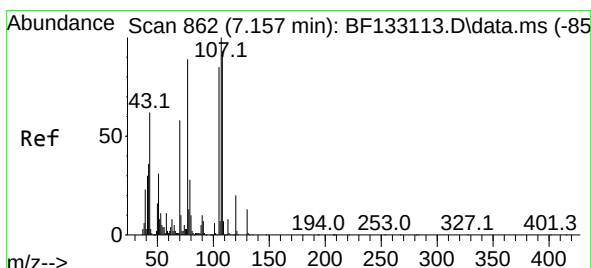
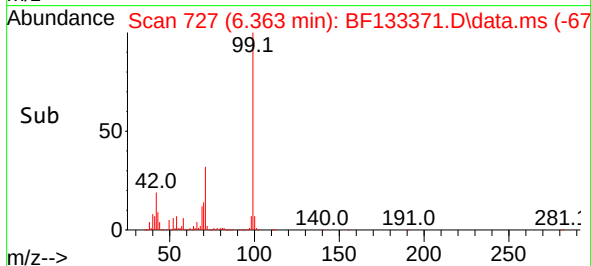
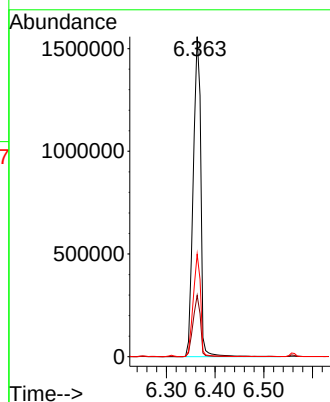
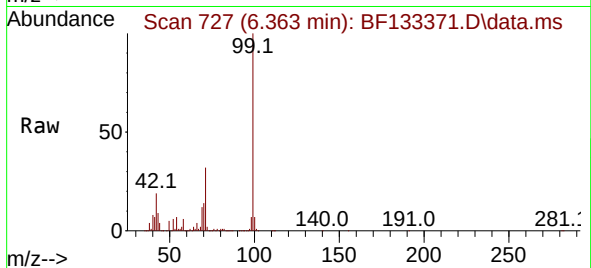




#7
Phenol-d6
Concen: 104.386 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

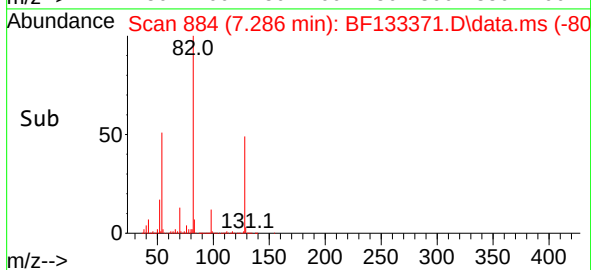
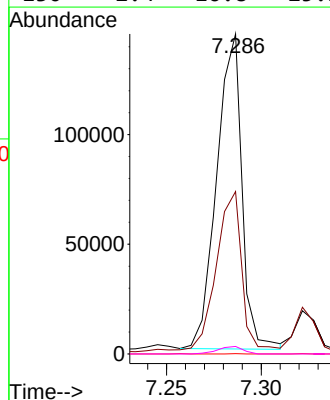
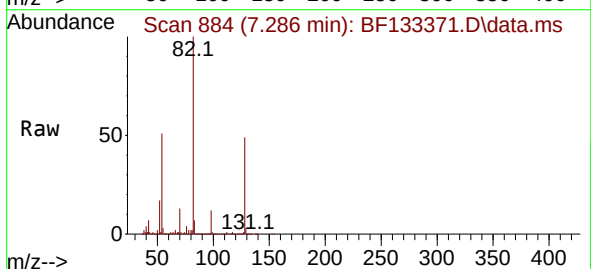
Instrument :
BNA_F
ClientSampleId :
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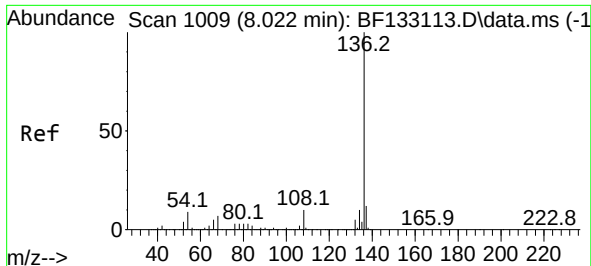
Tgt Ion: 99 Resp: 1664054
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 32.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.386 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion: 70 Resp: 132843
Ion Ratio Lower Upper
70 100
42 50.7 51.8 77.6#
101 0.1 8.0 12.0#
130 2.4 16.8 25.2#



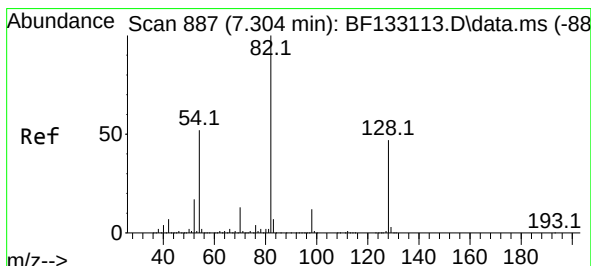
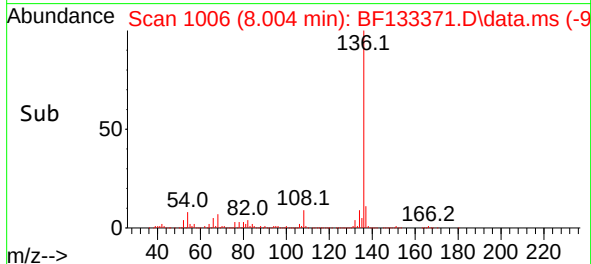
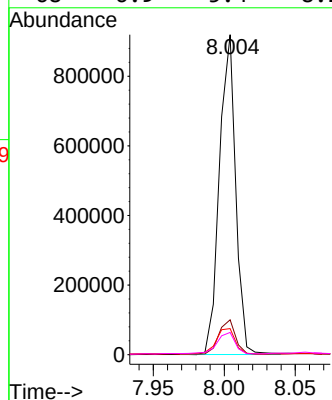
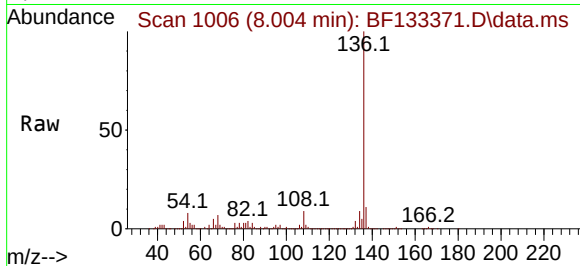


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Instrument :
BNA_F
ClientSampleId :
HR-2-051123

Tgt Ion:136 Resp: 731312

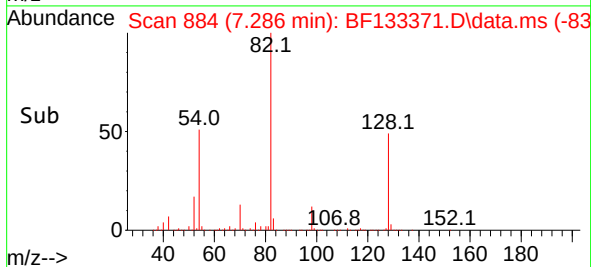
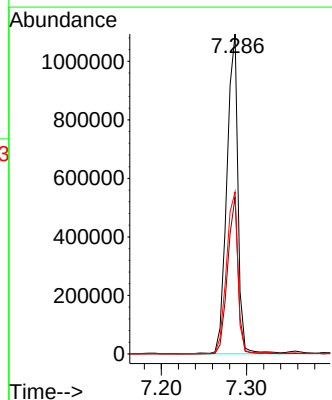
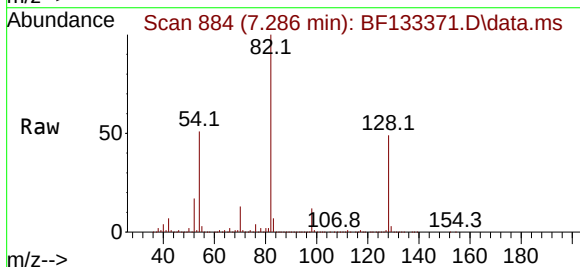
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.2	7.0	10.4
68	6.9	5.4	8.2

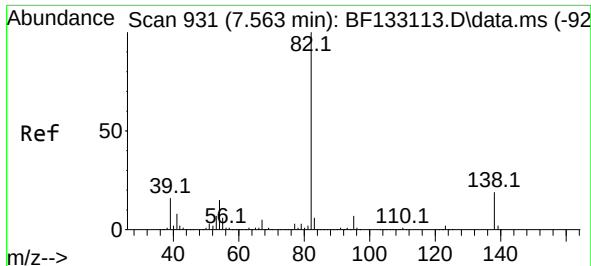


#23
Nitrobenzene-d5
Concen: 73.034 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion: 82 Resp: 989515

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.7	56.5
54	50.7	43.0	64.4





#25

Isophorone

Concen: 38.086 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.259 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

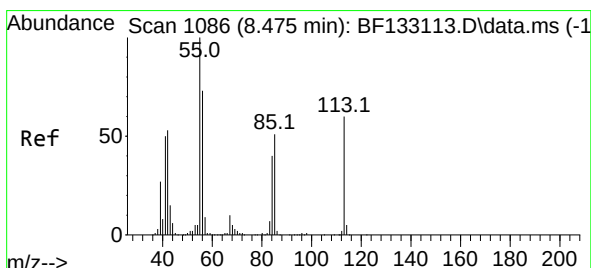
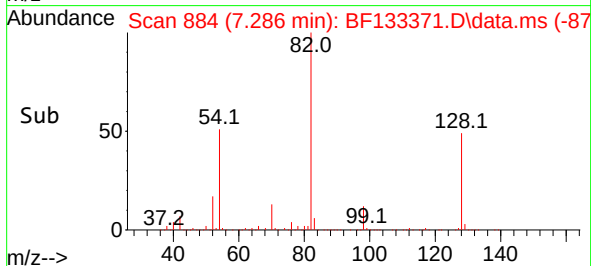
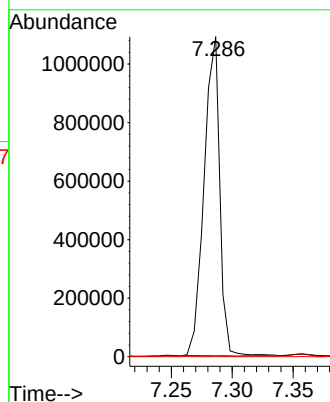
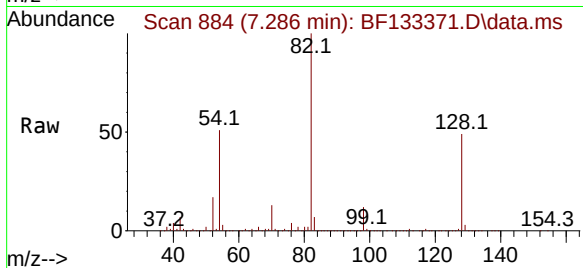
Tgt Ion: 82 Resp: 979723

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

138 0.0 16.0 24.0#



#35

Caprolactam

Concen: 3.465 ng

RT: 8.433 min Scan# 1079

Delta R.T. -0.024 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

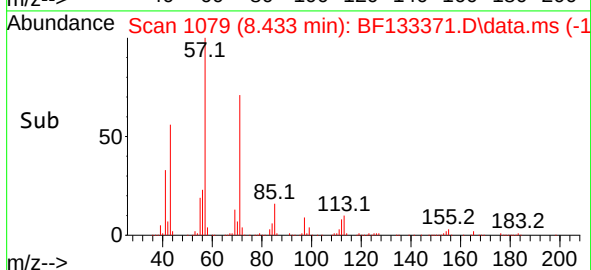
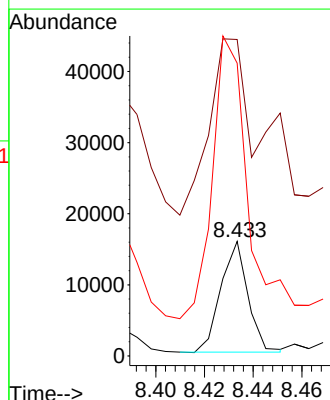
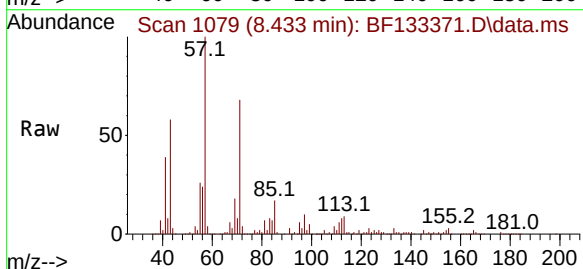
Tgt Ion: 113 Resp: 12033

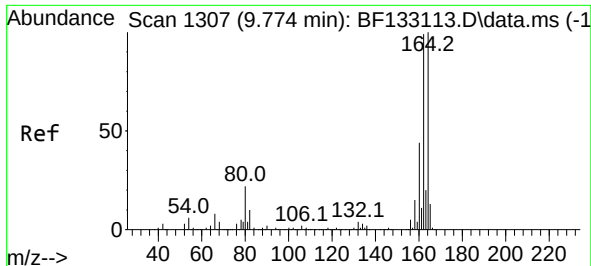
Ion Ratio Lower Upper

113 100

55 276.5 167.1 207.1#

56 255.7 114.5 154.5#

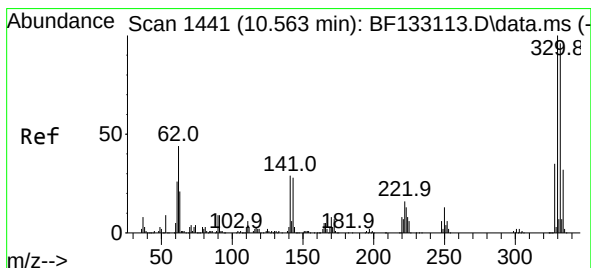
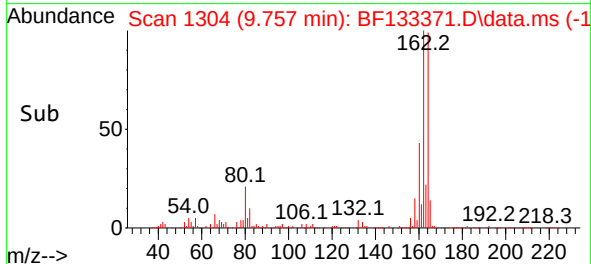
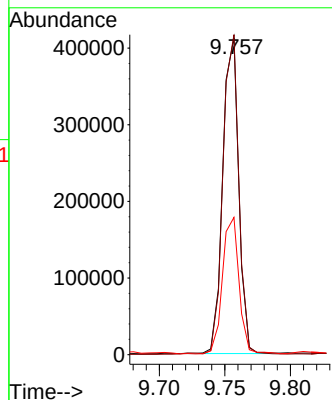
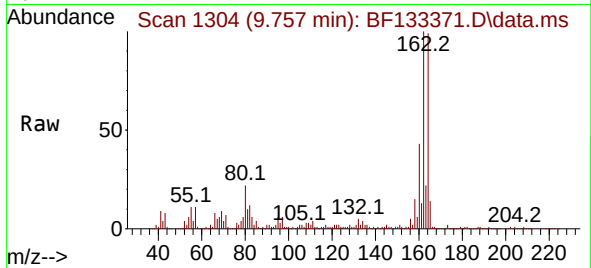




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

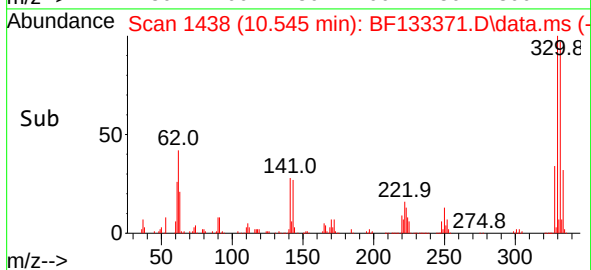
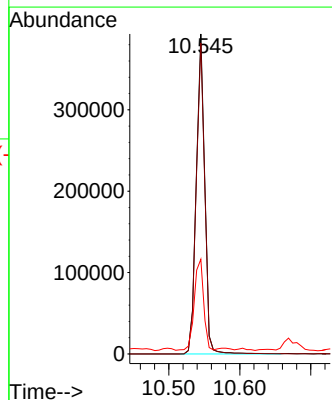
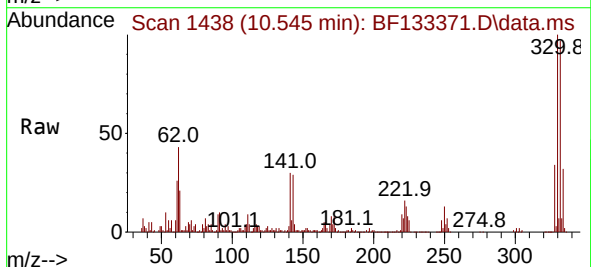
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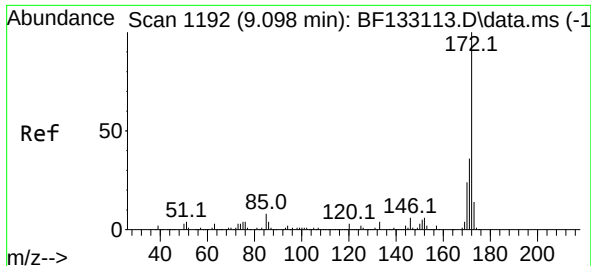
Tgt Ion:164 Resp: 348212
Ion Ratio Lower Upper
164 100
162 101.0 78.7 118.1
160 43.3 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 93.655 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion:330 Resp: 327973
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 31.2 25.8 38.8

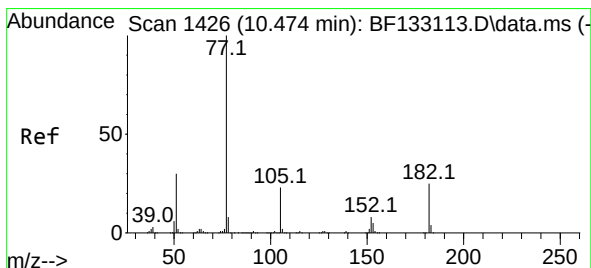
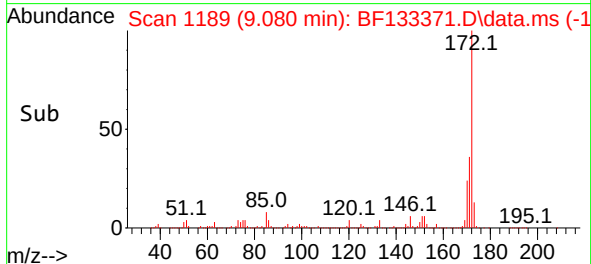
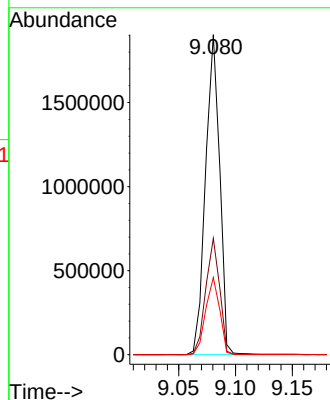
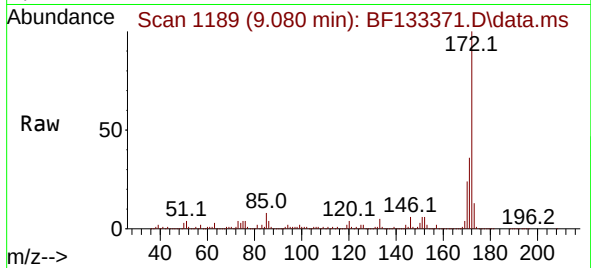




#45
2-Fluorobiphenyl
Concen: 78.760 ng
RT: 9.080 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

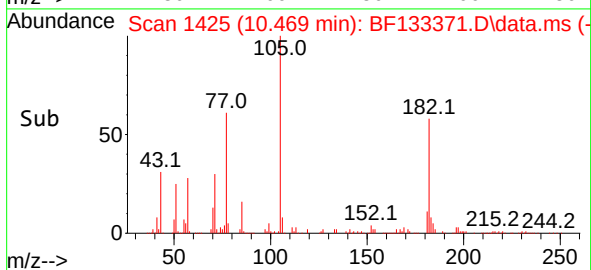
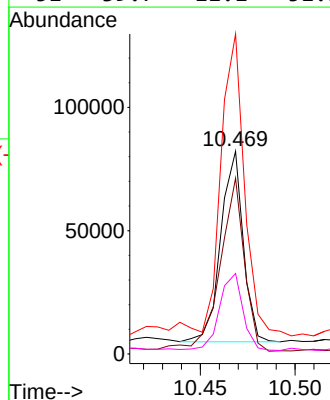
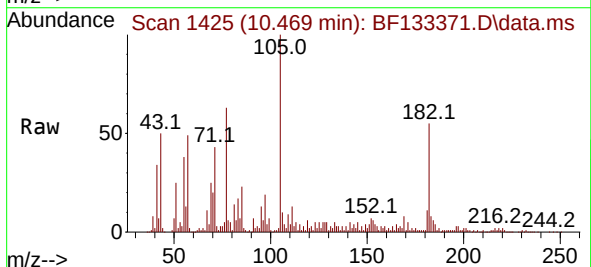
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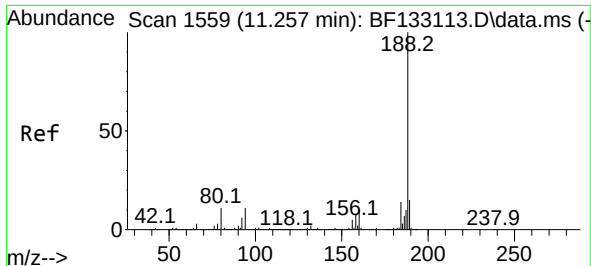
Tgt Ion:172 Resp: 1639280
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 24.1 19.4 29.2



#63
Azobenzene
Concen: 2.623 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion: 77 Resp: 63719
Ion Ratio Lower Upper
77 100
182 86.8 5.9 45.9#
105 157.9 2.3 42.3#
51 39.7 11.1 51.1

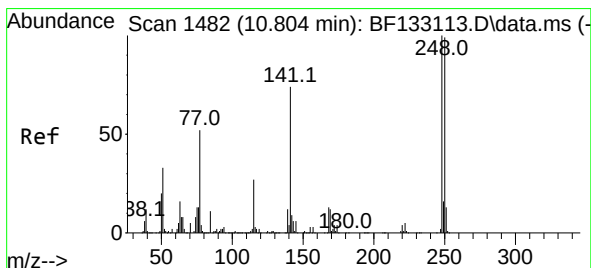
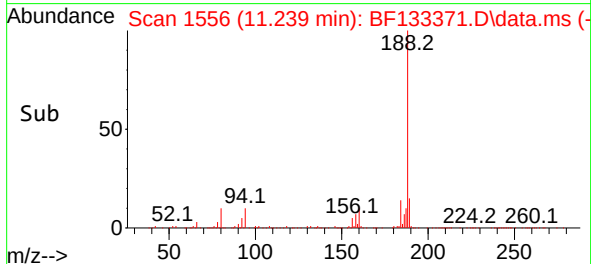
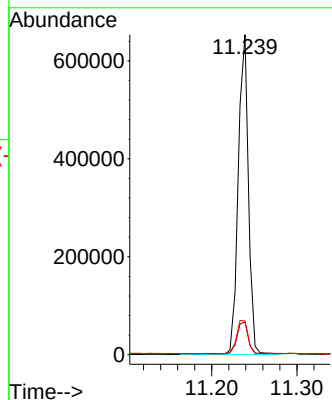
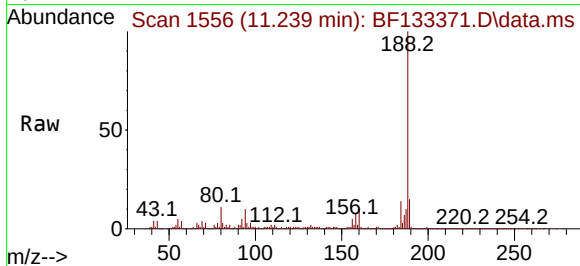




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

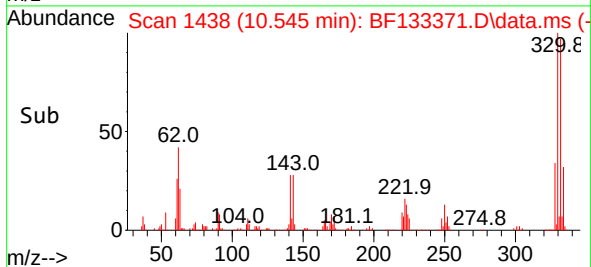
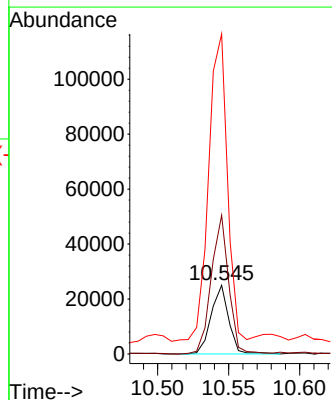
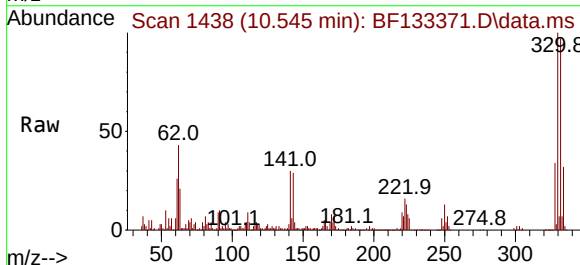
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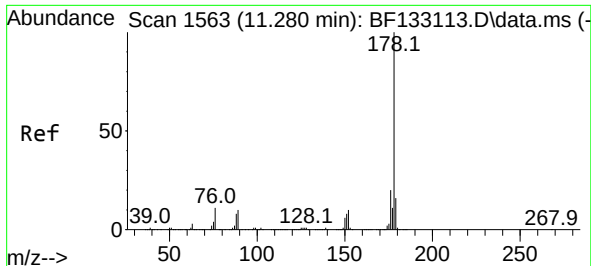
Tgt Ion:188 Resp: 541072
Ion Ratio Lower Upper
188 100
94 10.2 9.7 14.5
80 10.5 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.669 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.241 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion:248 Resp: 21530
Ion Ratio Lower Upper
248 100
250 202.0 78.7 118.1#
141 465.7 56.3 84.5#

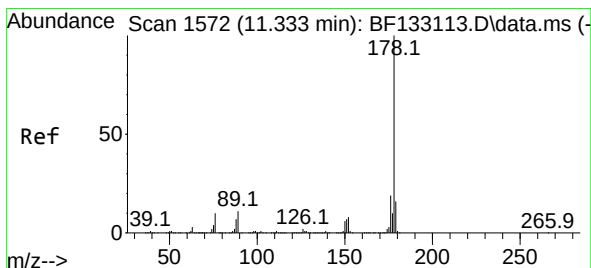
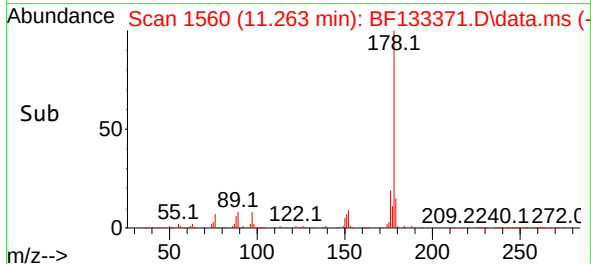
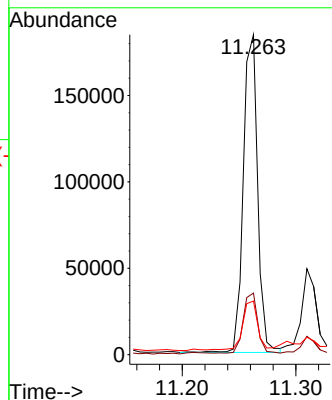
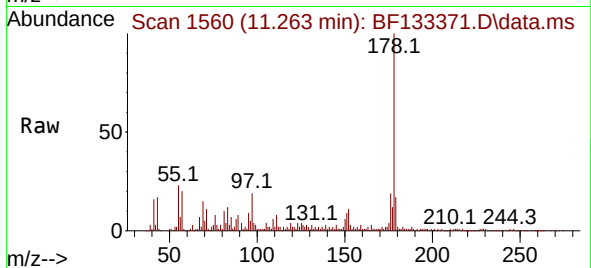




#71
Phenanthrene
Concen: 5.519 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

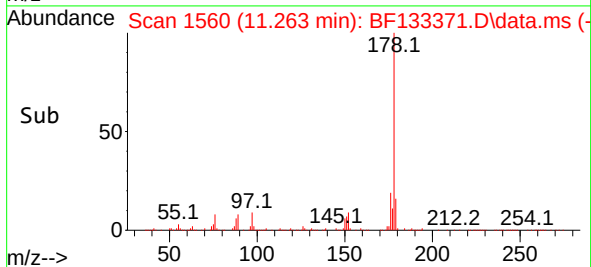
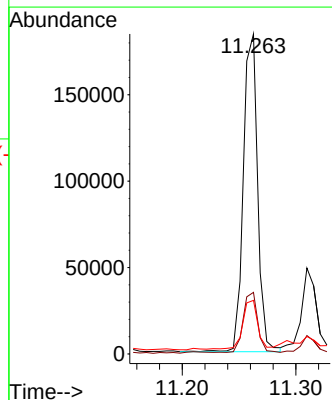
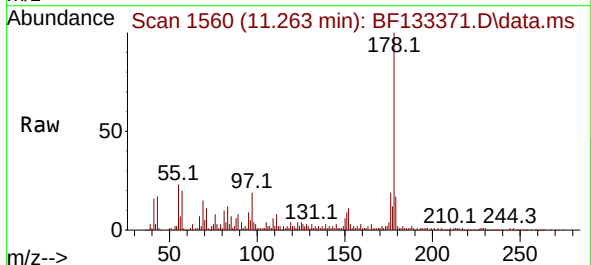
Instrument :
BNA_F
ClientSampleId :
HR-2-051123

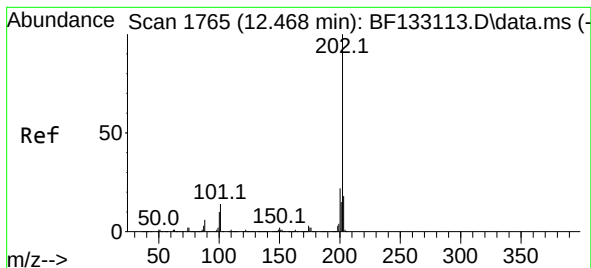
Tgt Ion:178 Resp: 160492
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 16.8 12.5 18.7



#72
Anthracene
Concen: 5.393 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.053 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion:178 Resp: 160492
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 16.8 12.4 18.6





#75

Fluoranthene

Concen: 8.392 ng

RT: 12.680 min Scan# 1

Delta R.T. 0.229 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

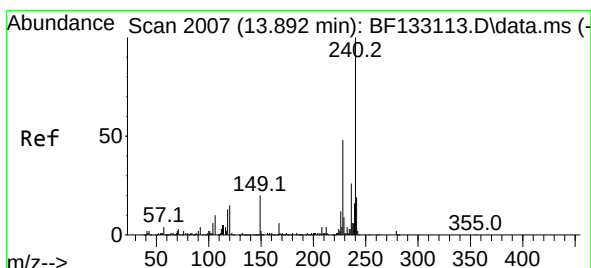
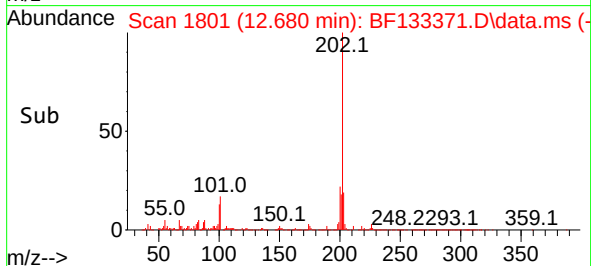
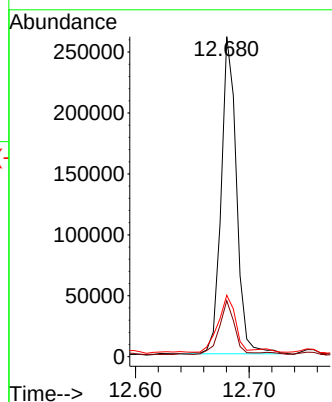
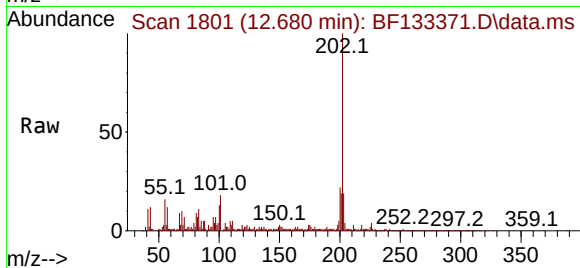
Tgt Ion:202 Resp: 244921

Ion Ratio Lower Upper

202 100

101 17.5 0.0 35.3

203 19.2 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

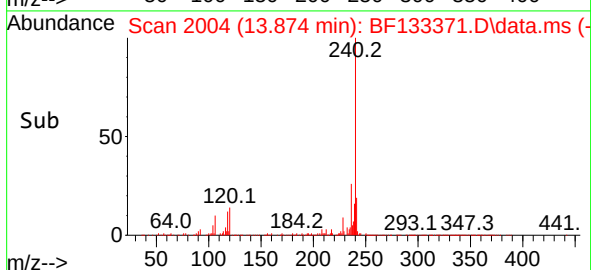
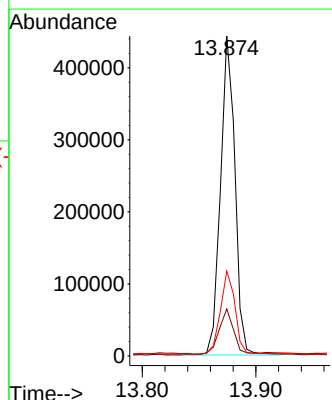
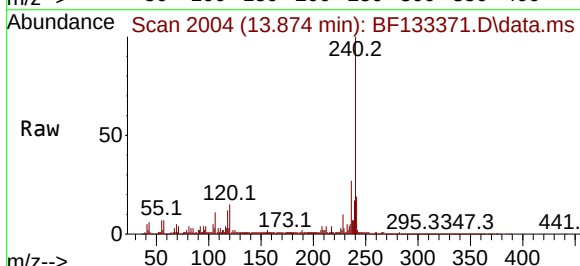
Tgt Ion:240 Resp: 392994

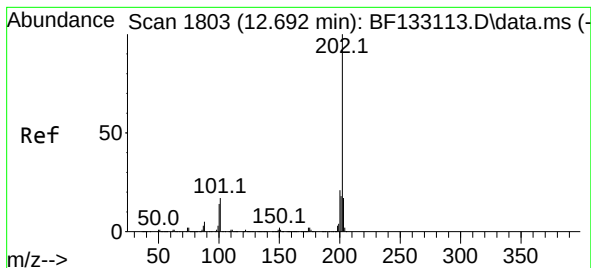
Ion Ratio Lower Upper

240 100

120 14.7 10.5 15.7

236 26.6 21.5 32.3





#78

Pyrene

Concen: 7.331 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

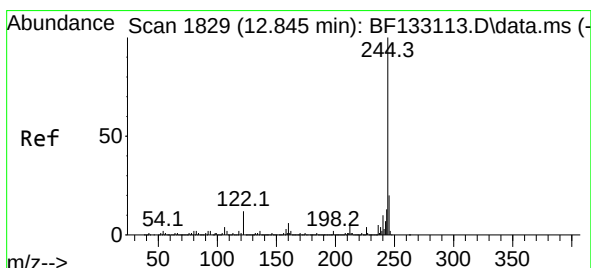
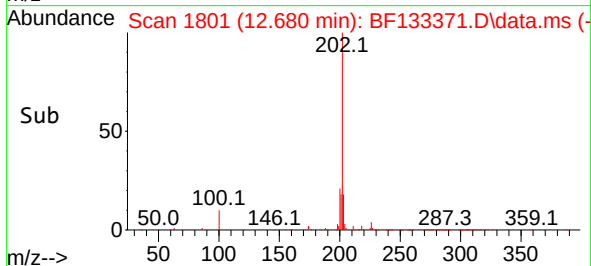
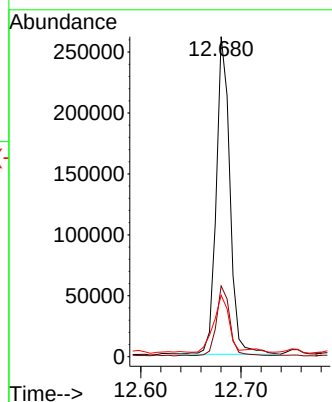
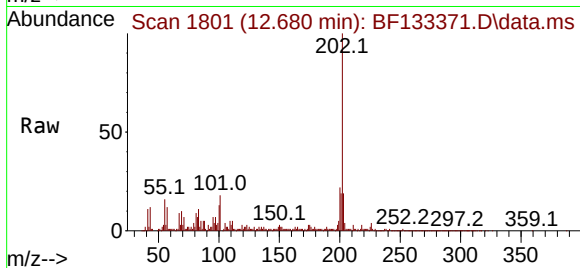
Tgt Ion:202 Resp: 246982

Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 19.2 14.1 21.1



#79

Terphenyl-d14

Concen: 66.087 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

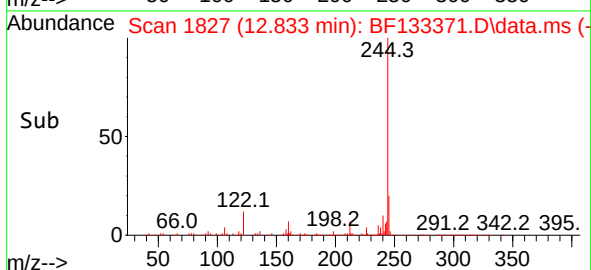
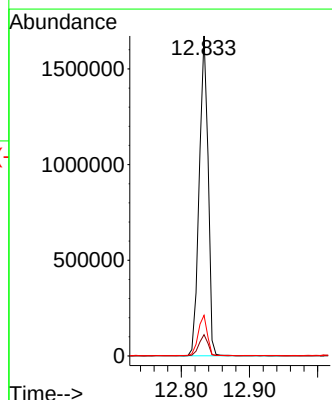
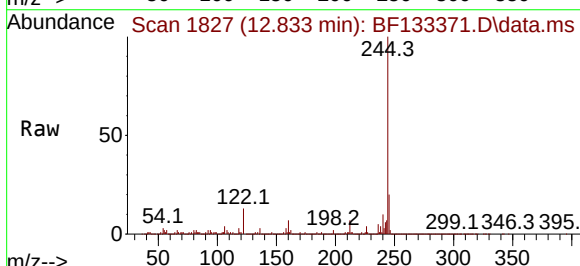
Tgt Ion:244 Resp: 1505900

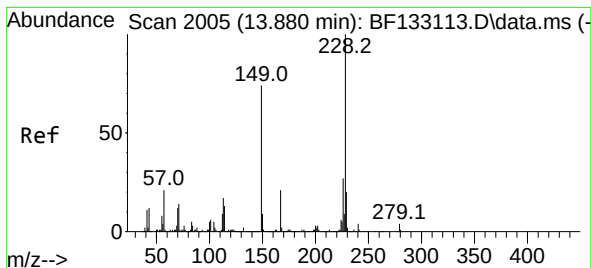
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 12.7 8.6 13.0





#81

Benzo(a)anthracene

Concen: 4.711 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNF_F

ClientSampleId :

HR-2-051123

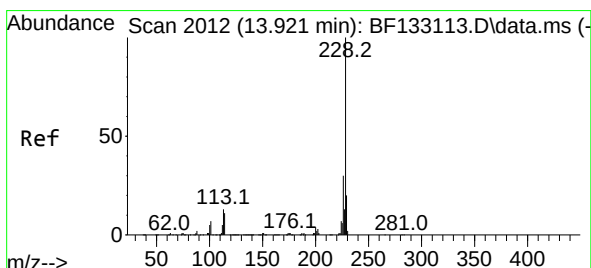
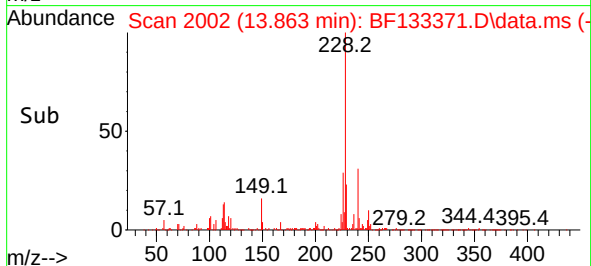
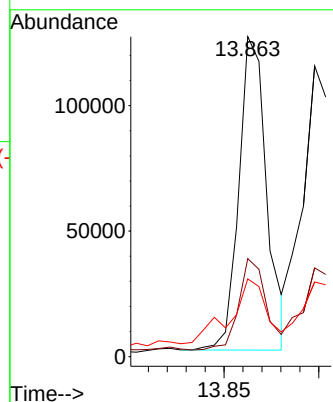
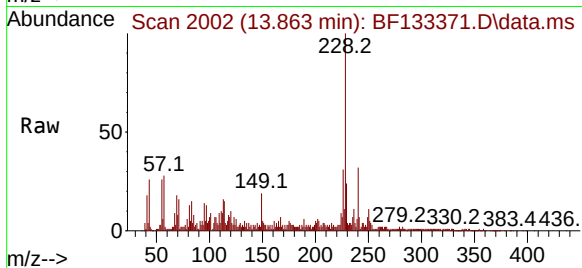
Tgt Ion:228 Resp: 127305

Ion Ratio Lower Upper

228 100

226 30.6 22.2 33.4

229 24.3 16.0 24.0#



#83

Chrysene

Concen: 4.610 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

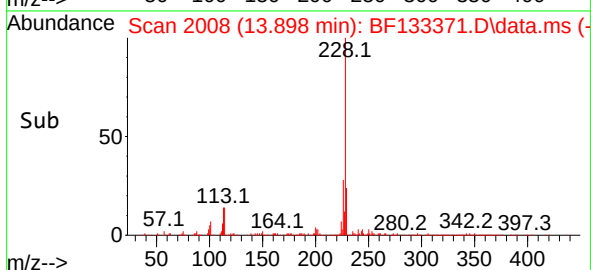
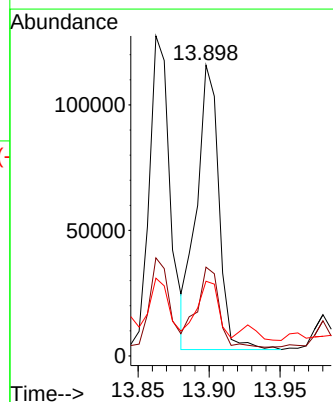
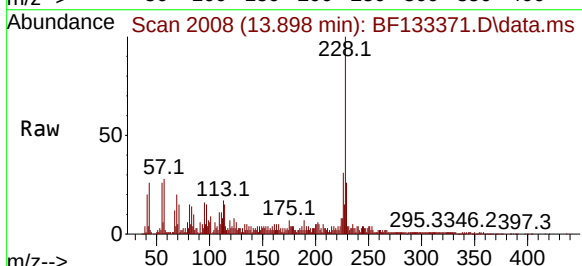
Tgt Ion:228 Resp: 124545

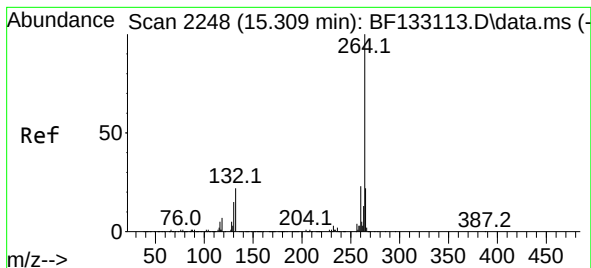
Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

229 25.7 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

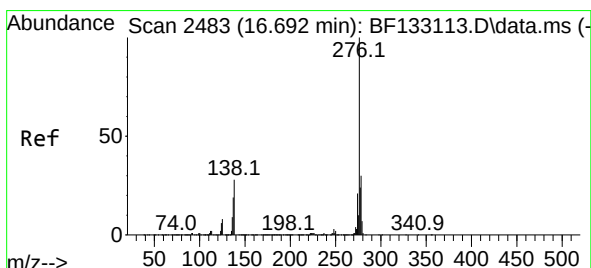
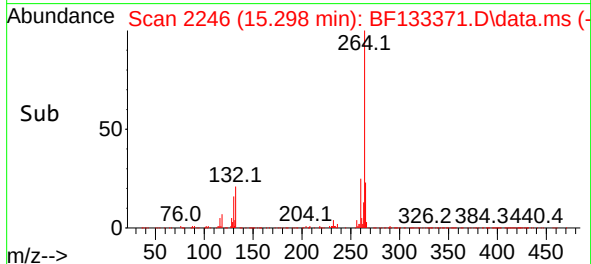
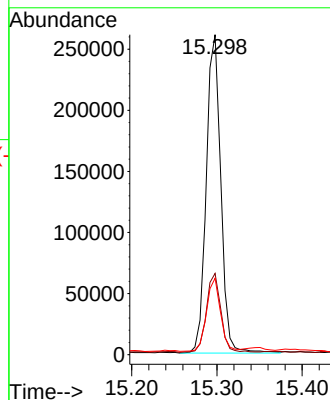
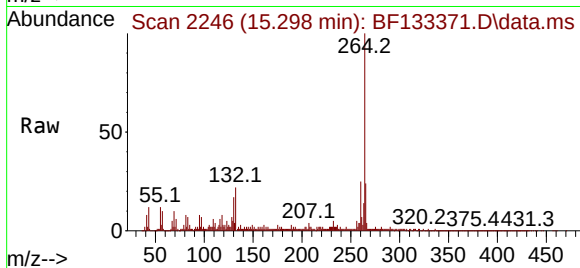
Tgt Ion:264 Resp: 309503

Ion Ratio Lower Upper

264 100

260 25.4 18.8 28.2

265 23.9 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.286 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

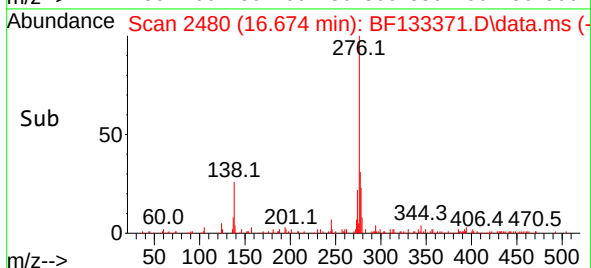
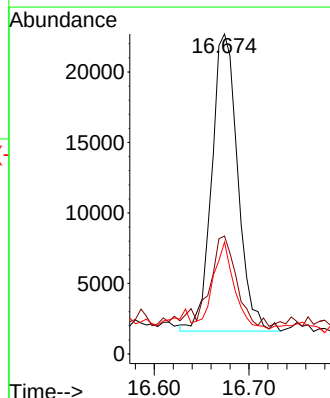
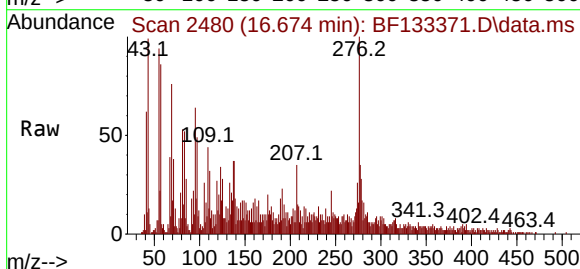
Tgt Ion:276 Resp: 40244

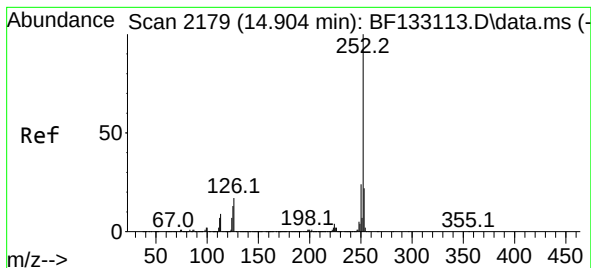
Ion Ratio Lower Upper

276 100

138 33.4 25.5 38.3

277 23.9 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.252 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

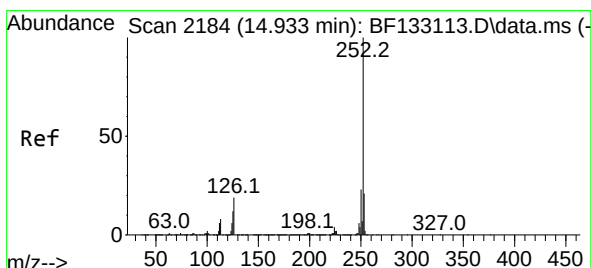
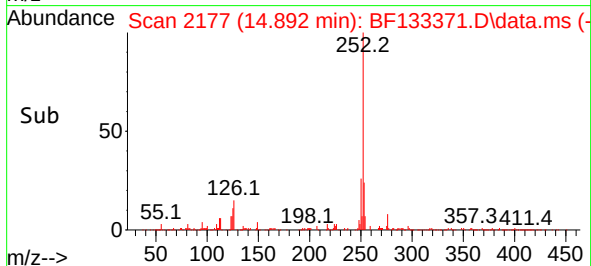
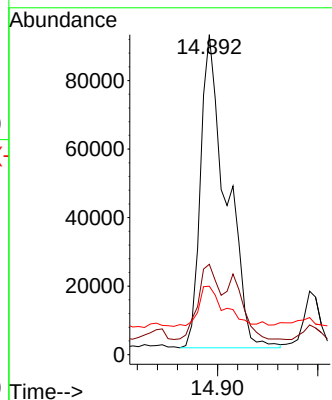
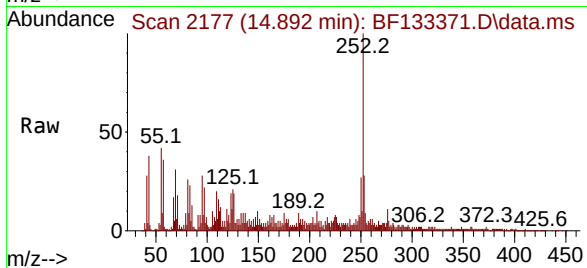
Tgt Ion:252 Resp: 162493

Ion Ratio Lower Upper

252 100

253 28.2 17.6 26.4#

125 21.4 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 8.325 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

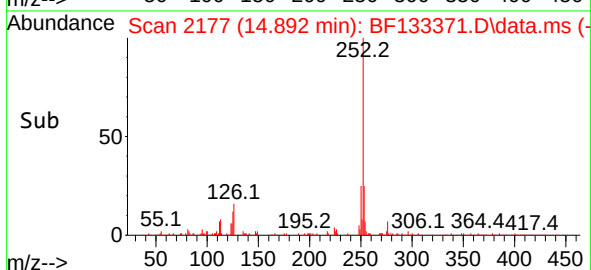
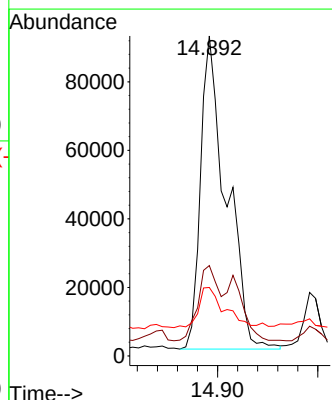
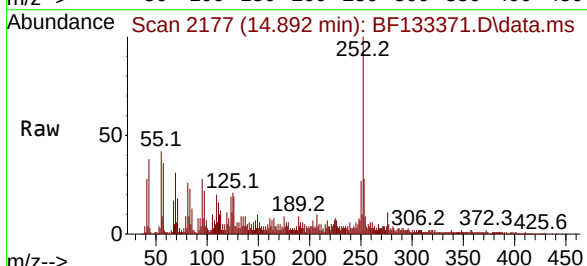
Tgt Ion:252 Resp: 162493

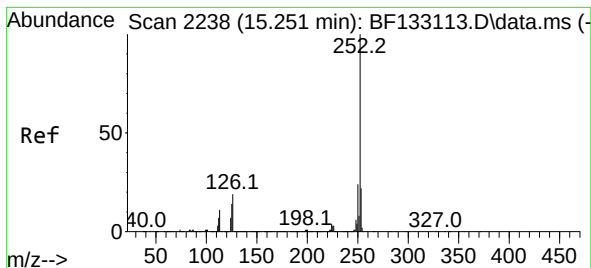
Ion Ratio Lower Upper

252 100

253 28.2 17.7 26.5#

125 21.4 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 4.399 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

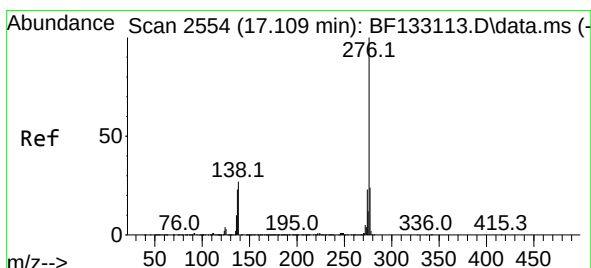
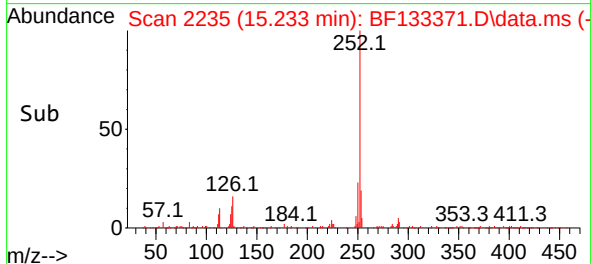
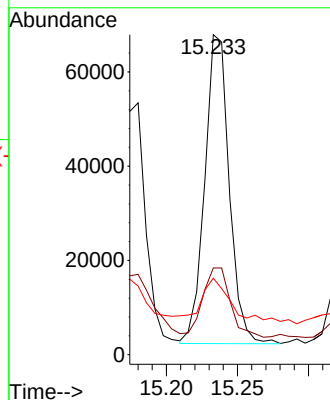
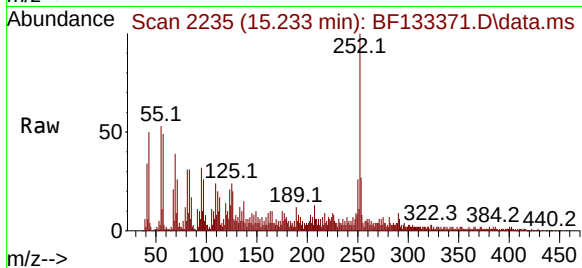
Tgt Ion:252 Resp: 78848

Ion Ratio Lower Upper

252 100

253 27.1 17.7 26.5#

125 23.9 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 2.964 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Tgt Ion:276 Resp: 42970

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 33.4 22.7 34.1

