

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133346.D
 Acq On : 10 May 2023 23:15
 Operator : CG\JU
 Sample : 02721-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: May 11 03:44:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

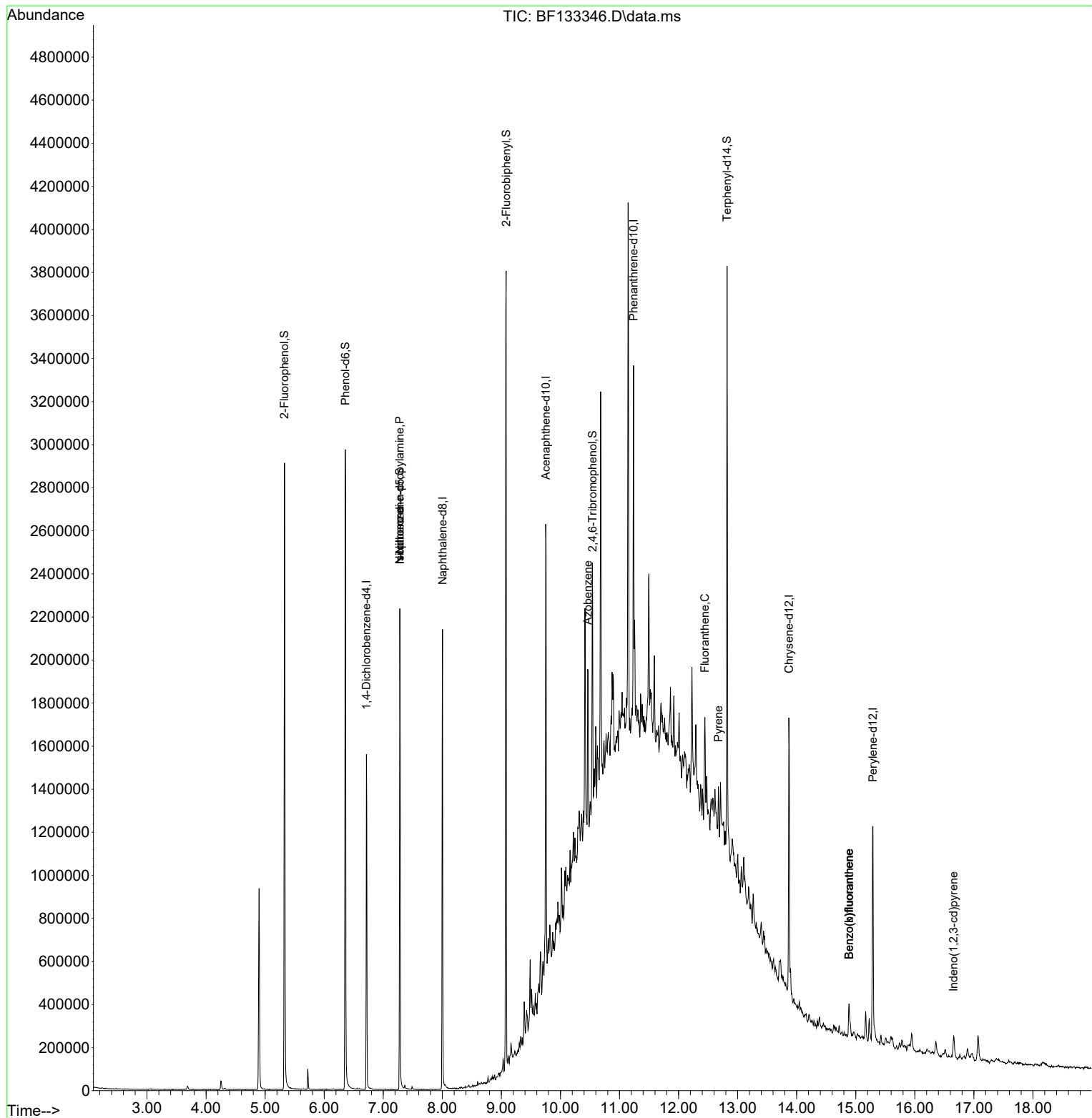
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	222705	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	881212	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	418326	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	628026	20.000	ng	0.00
76) Chrysene-d12	13.868	240	428718	20.000	ng	-0.01
86) Perylene-d12	15.292	264	453787	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	843501	57.215	ng	0.00
7) Phenol-d6	6.357	99	1064979	58.199	ng	-0.01
23) Nitrobenzene-d5	7.281	82	653242	40.013	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	155615	36.989	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1157632	46.297	ng	0.00
79) Terphenyl-d14	12.821	244	886577	35.666	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.263	77	501	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.281	70	84397	7.408 ng	#	78
25) Isophorone	7.281	82	653237	21.074 ng	#	63
63) Azobenzene	10.463	77	113433	3.886 ng	#	1
75) Fluoranthene	12.445	202	95453	2.818 ng		98
78) Pyrene	12.674	202	89711	2.441 ng		99
87) Indeno(1,2,3-cd)pyrene	16.656	276	65812	2.550 ng		95
88) Benzo(b)fluoranthene	14.886	252	86876	3.009 ng	#	96
89) Benzo(k)fluoranthene	14.886	252	86876	3.036 ng	#	96

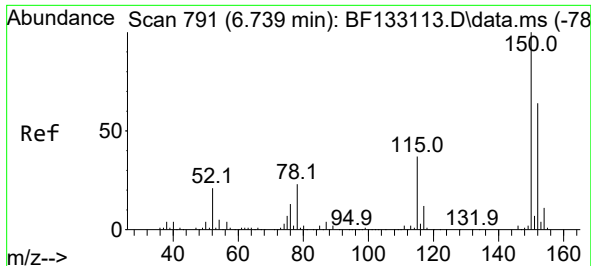
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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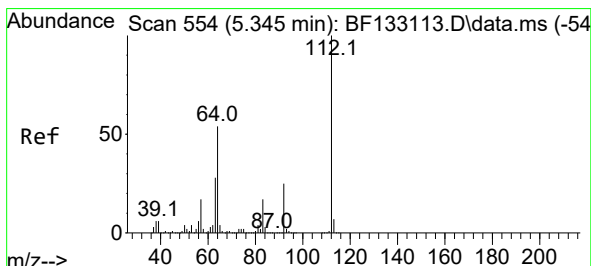
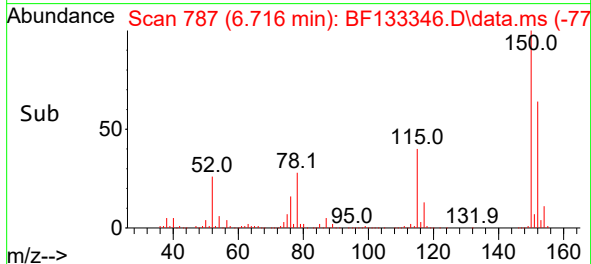
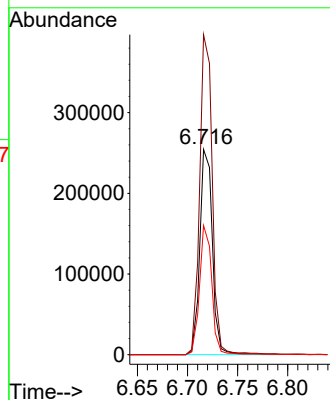
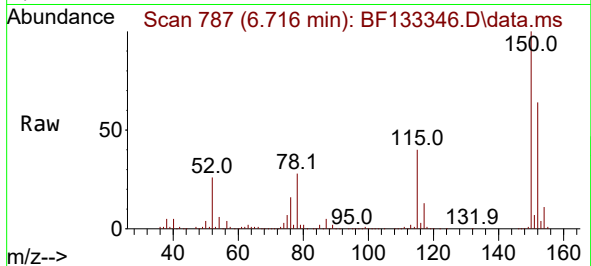




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

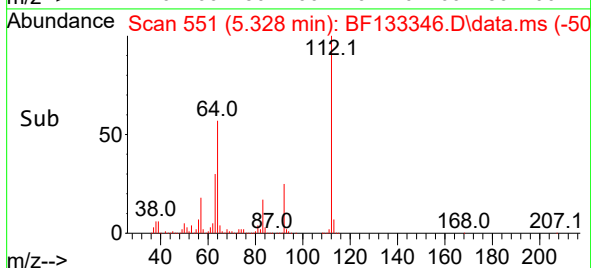
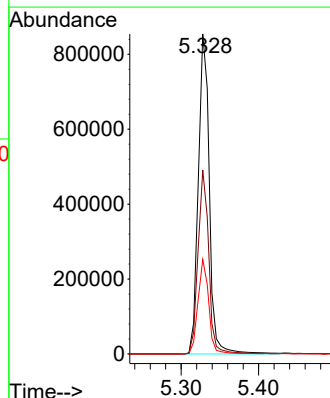
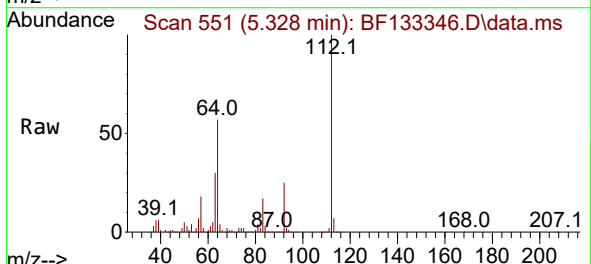
Instrument :
BNA_F
ClientSampleId :
WC-1

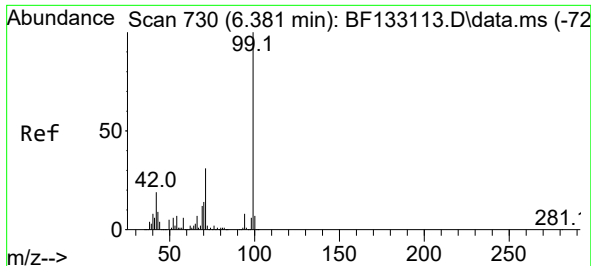
Tgt Ion:152 Resp: 222705
Ion Ratio Lower Upper
152 100
150 155.8 124.8 187.2
115 63.0 49.9 74.9



#5
2-Fluorophenol
Concen: 57.215 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

Tgt Ion:112 Resp: 843501
Ion Ratio Lower Upper
112 100
64 57.4 46.8 70.2
63 29.6 23.8 35.8

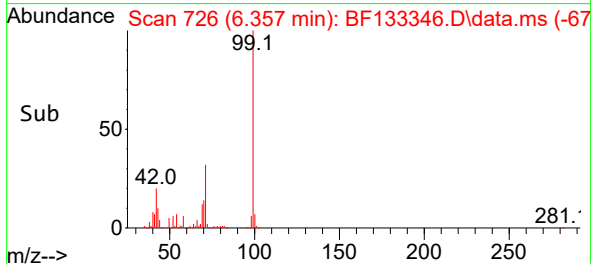
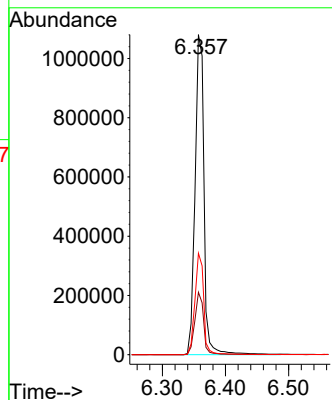
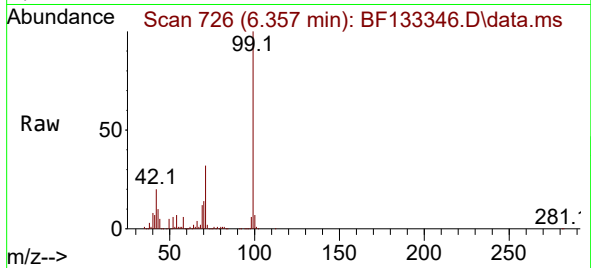




#7
Phenol-d6
Concen: 58.199 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

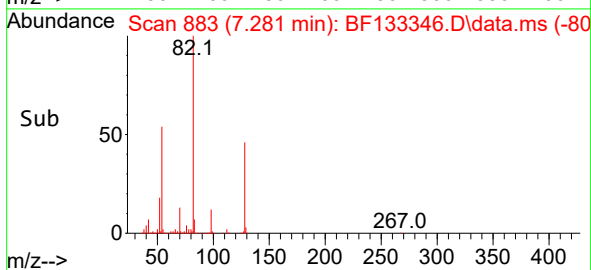
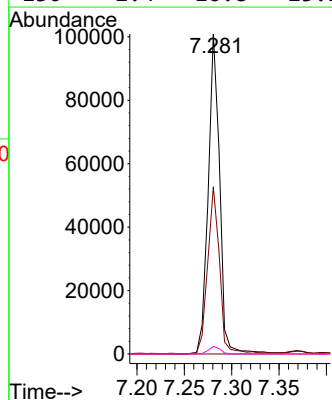
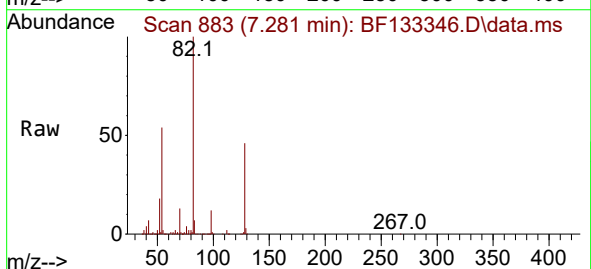
Instrument :
BNA_F
ClientSampleId :
WC-1

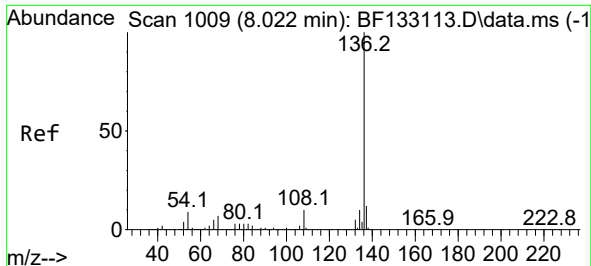
Tgt Ion: 99 Resp: 1064979
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 31.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.408 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

Tgt Ion: 70 Resp: 84397
Ion Ratio Lower Upper
70 100
42 52.2 51.8 77.6
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#

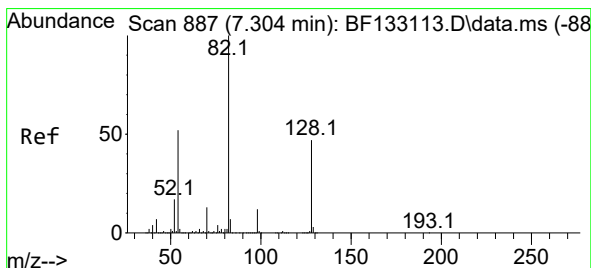
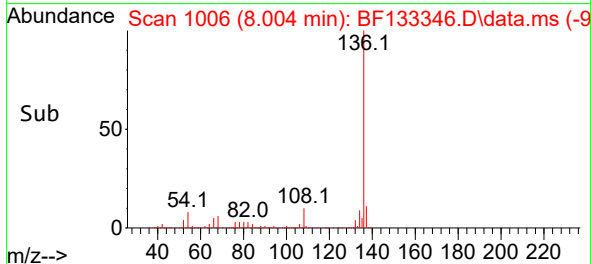
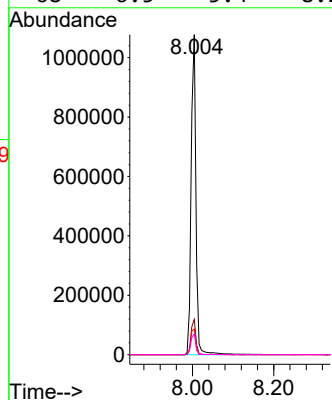
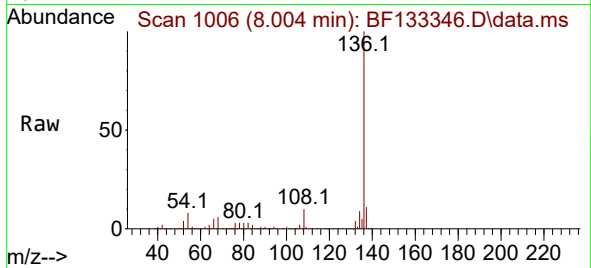




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

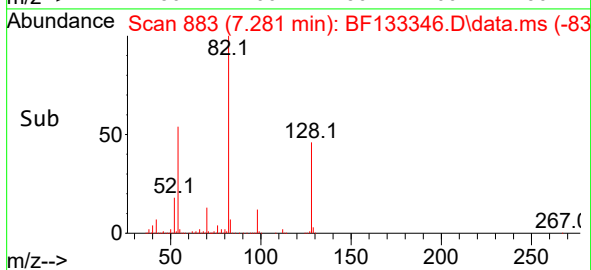
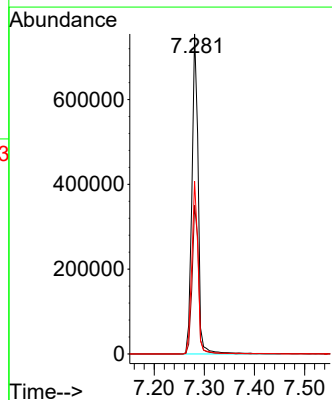
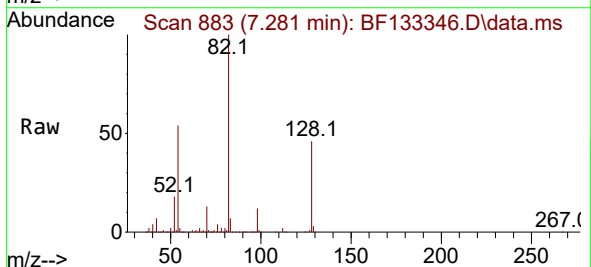
Instrument :
BNA_F
ClientSampleId :
WC-1

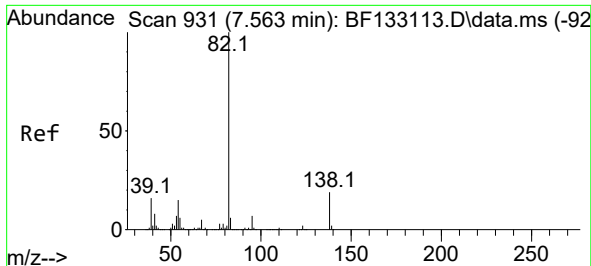
Tgt Ion:136 Resp: 881212
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.1 7.0 10.4
68 6.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 40.013 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

Tgt Ion: 82 Resp: 653242
Ion Ratio Lower Upper
82 100
128 46.4 37.7 56.5
54 54.0 43.0 64.4

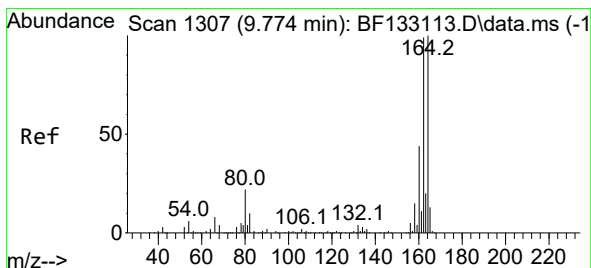
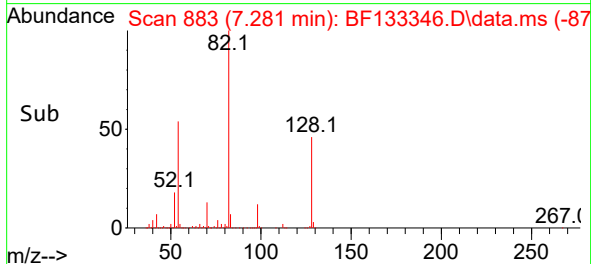
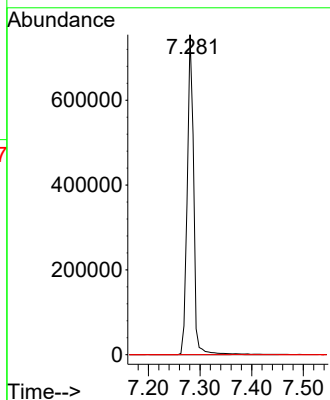
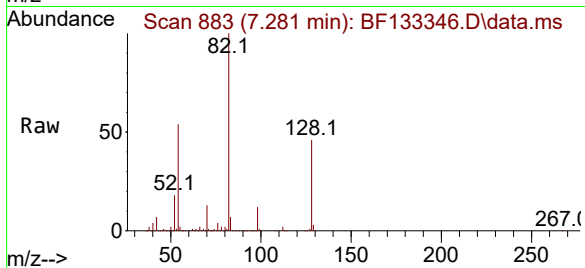




#25
Isophorone
Concen: 21.074 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

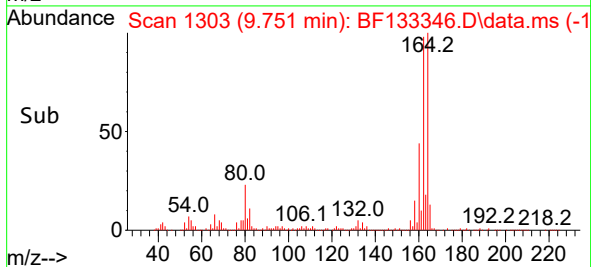
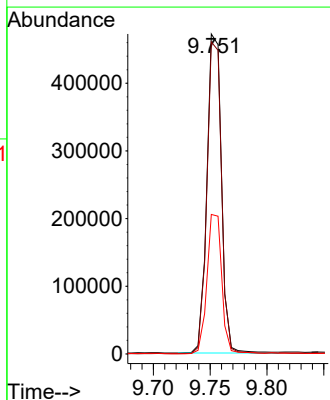
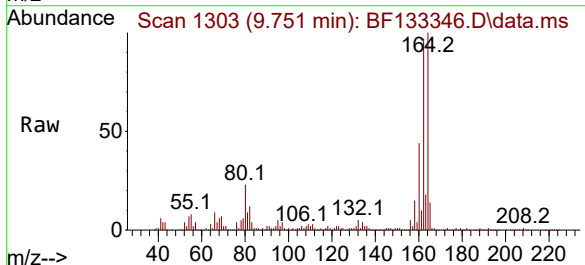
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 653237
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

Tgt Ion: 164 Resp: 418326
Ion Ratio Lower Upper
164 100
162 97.5 78.7 118.1
160 43.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 36.989 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

Instrument :

BNA_F

ClientSampleId :

WC-1

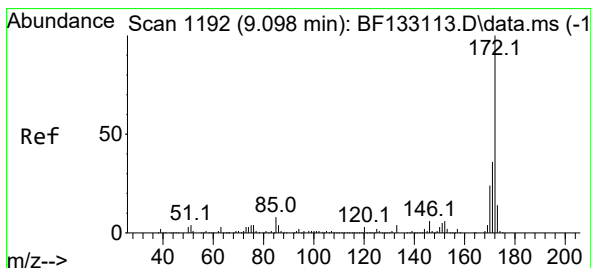
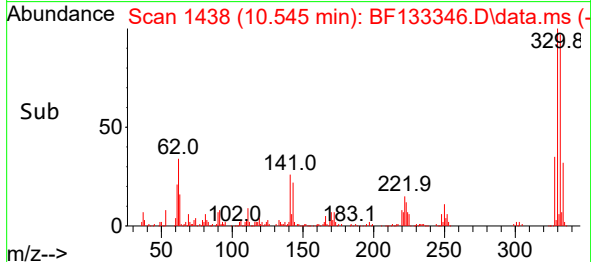
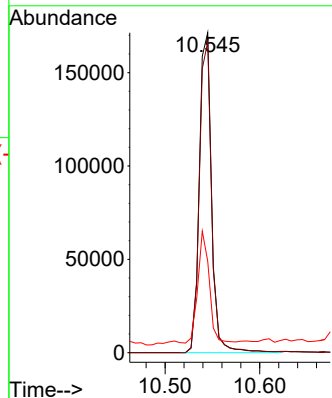
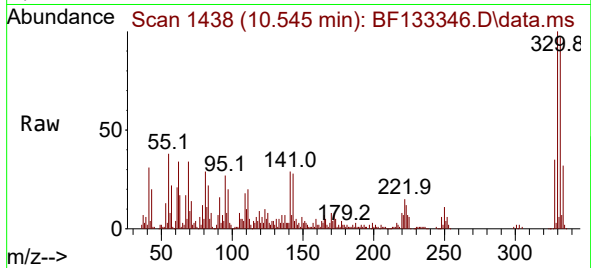
Tgt Ion:330 Resp: 155615

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

141 32.7 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 46.297 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

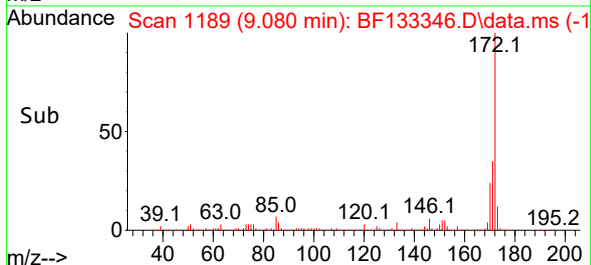
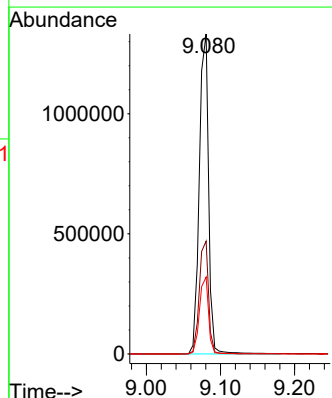
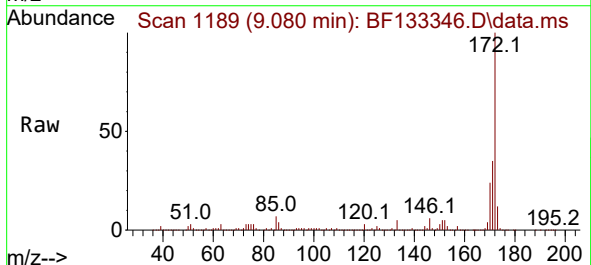
Tgt Ion:172 Resp: 1157632

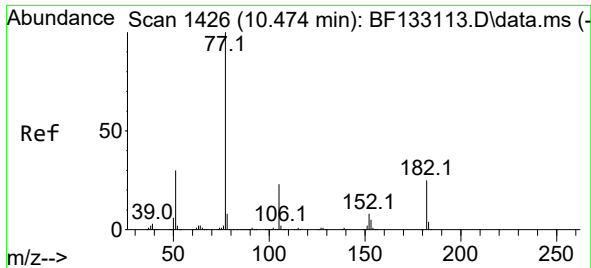
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 24.0 19.4 29.2

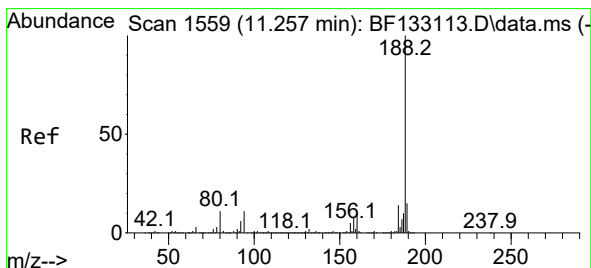
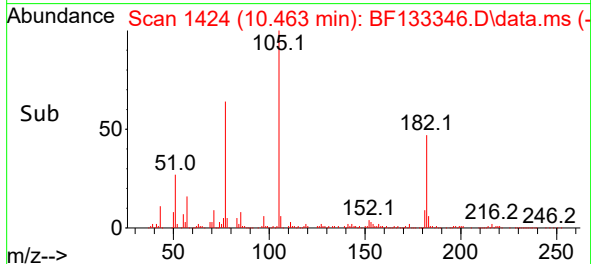
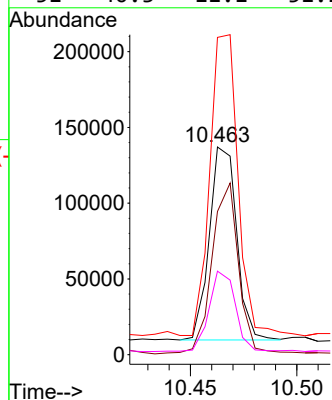
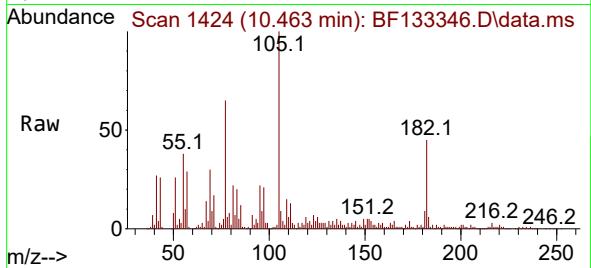




#63
Azobenzene
Concen: 3.886 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

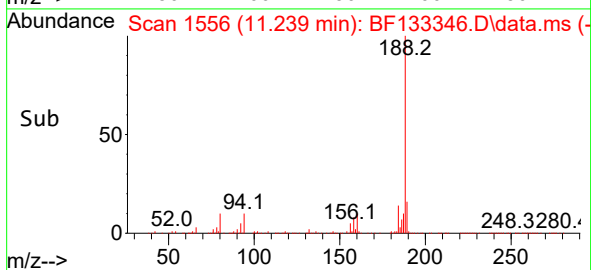
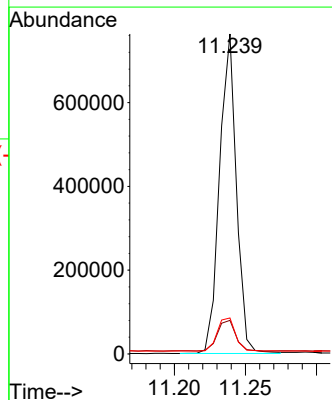
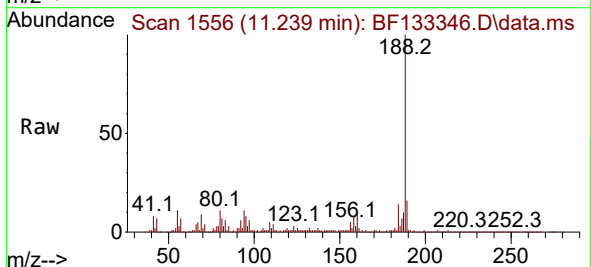
Instrument :
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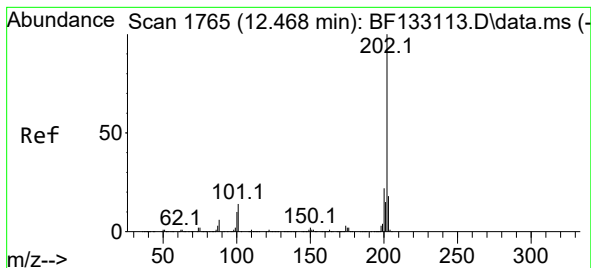
Tgt Ion: 77 Resp: 113433
Ion Ratio Lower Upper
77 100
182 68.9 5.9 45.9#
105 152.8 2.3 42.3#
51 40.3 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133346.D
Acq: 10 May 2023 23:15

Tgt Ion: 188 Resp: 628026
Ion Ratio Lower Upper
188 100
94 10.5 9.7 14.5
80 11.3 10.4 15.6





#75

Fluoranthene

Concen: 2.818 ng

RT: 12.445 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

Instrument :

BNA_F

ClientSampleId :

WC-1

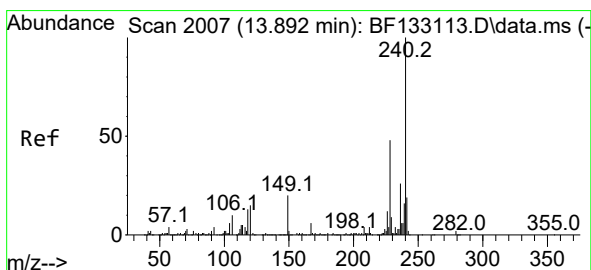
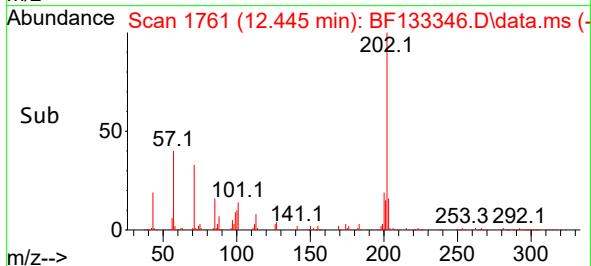
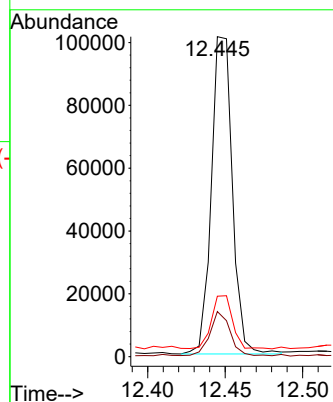
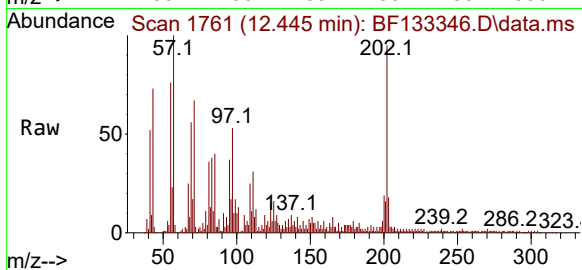
Tgt Ion:202 Resp: 95453

Ion Ratio Lower Upper

202 100

101 14.1 0.0 35.3

203 18.9 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

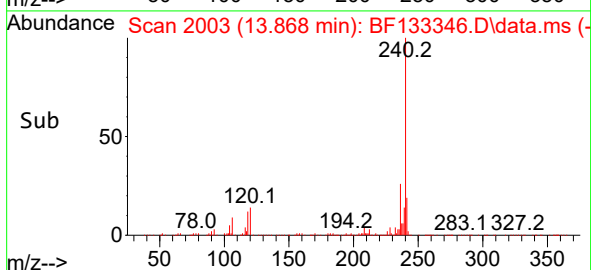
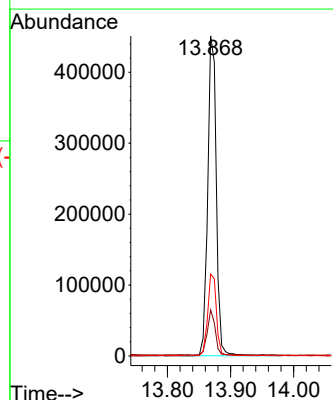
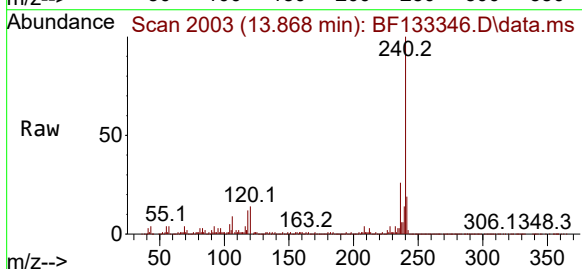
Tgt Ion:240 Resp: 428718

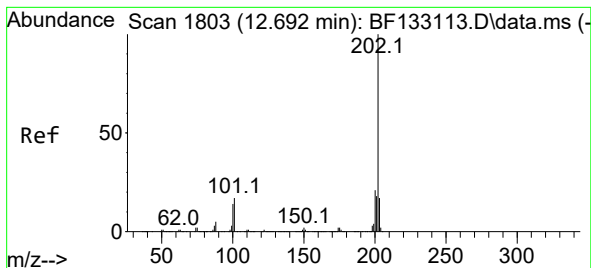
Ion Ratio Lower Upper

240 100

120 14.4 10.5 15.7

236 25.6 21.5 32.3





#78

Pyrene

Concen: 2.441 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

Instrument :

BNA_F

ClientSampleId :

WC-1

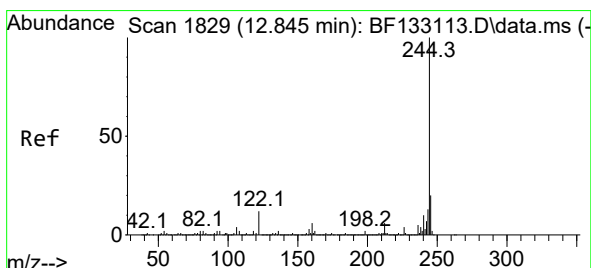
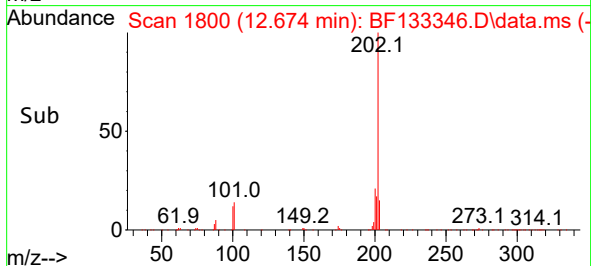
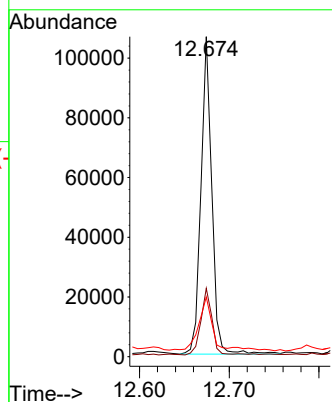
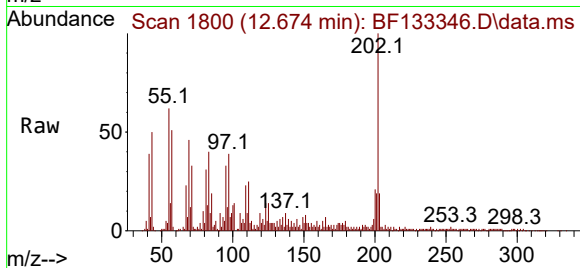
Tgt Ion:202 Resp: 89711

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 18.6 14.1 21.1



#79

Terphenyl-d14

Concen: 35.666 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

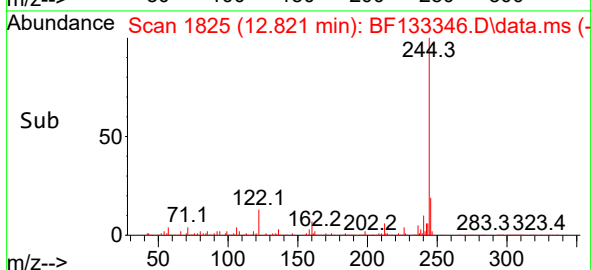
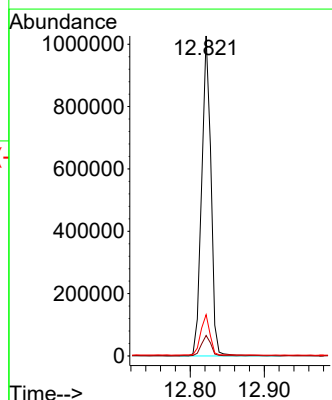
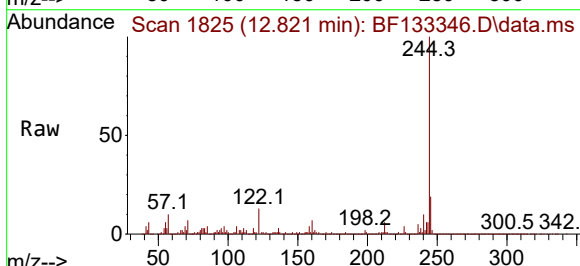
Tgt Ion:244 Resp: 886577

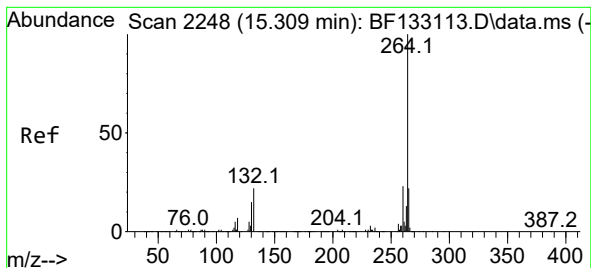
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.9 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

Instrument :

BNA_F

ClientSampleId :

WC-1

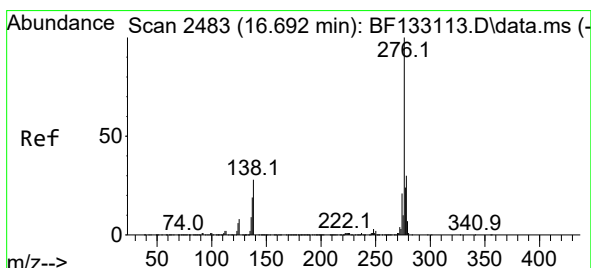
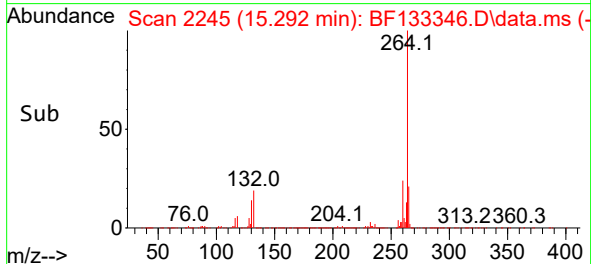
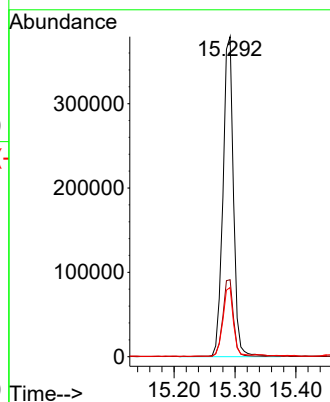
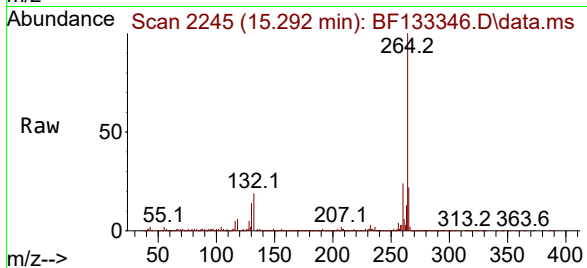
Tgt Ion:264 Resp: 453787

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 21.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.550 ng

RT: 16.656 min Scan# 2477

Delta R.T. -0.018 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

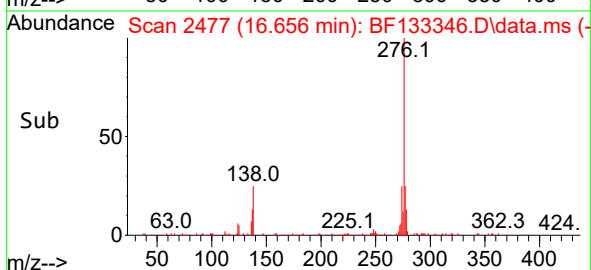
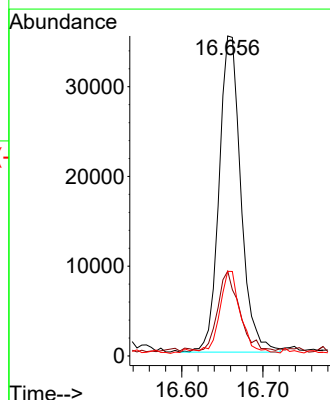
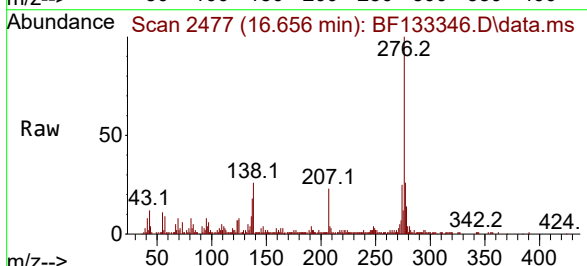
Tgt Ion:276 Resp: 65812

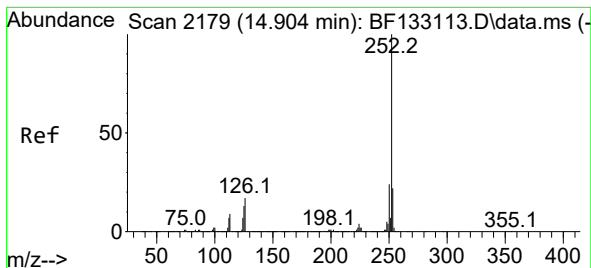
Ion Ratio Lower Upper

276 100

138 27.3 25.5 38.3

277 25.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 3.009 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

Instrument :

BNA_F

ClientSampleId :

WC-1

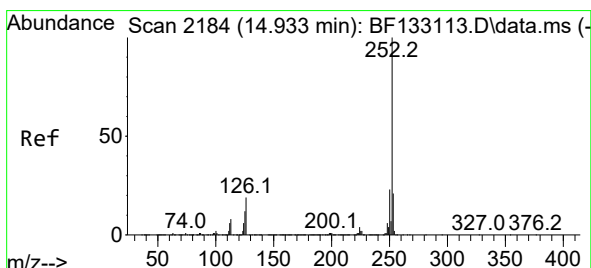
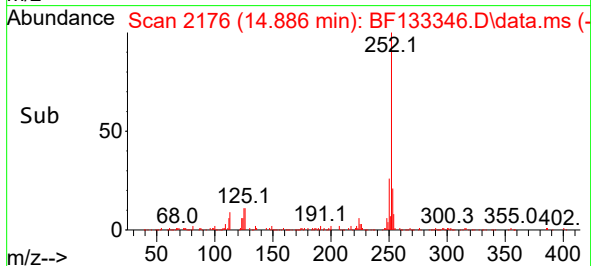
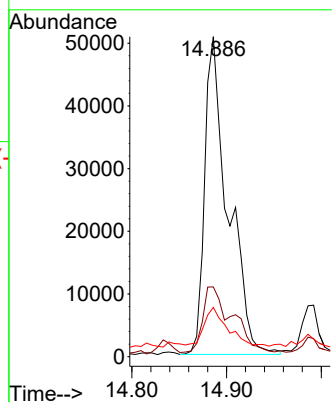
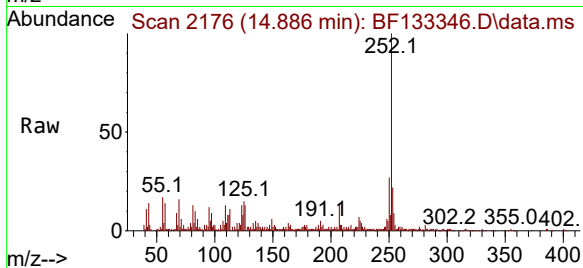
Tgt Ion:252 Resp: 86876

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 15.4 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 3.036 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.035 min

Lab File: BF133346.D

Acq: 10 May 2023 23:15

Tgt Ion:252 Resp: 86876

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 15.4 9.0 13.4#

