

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133018.D
 Acq On : 25 Apr 2023 02:57
 Operator : CG\JU
 Sample : 02470-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Quant Time: Apr 25 05:22:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

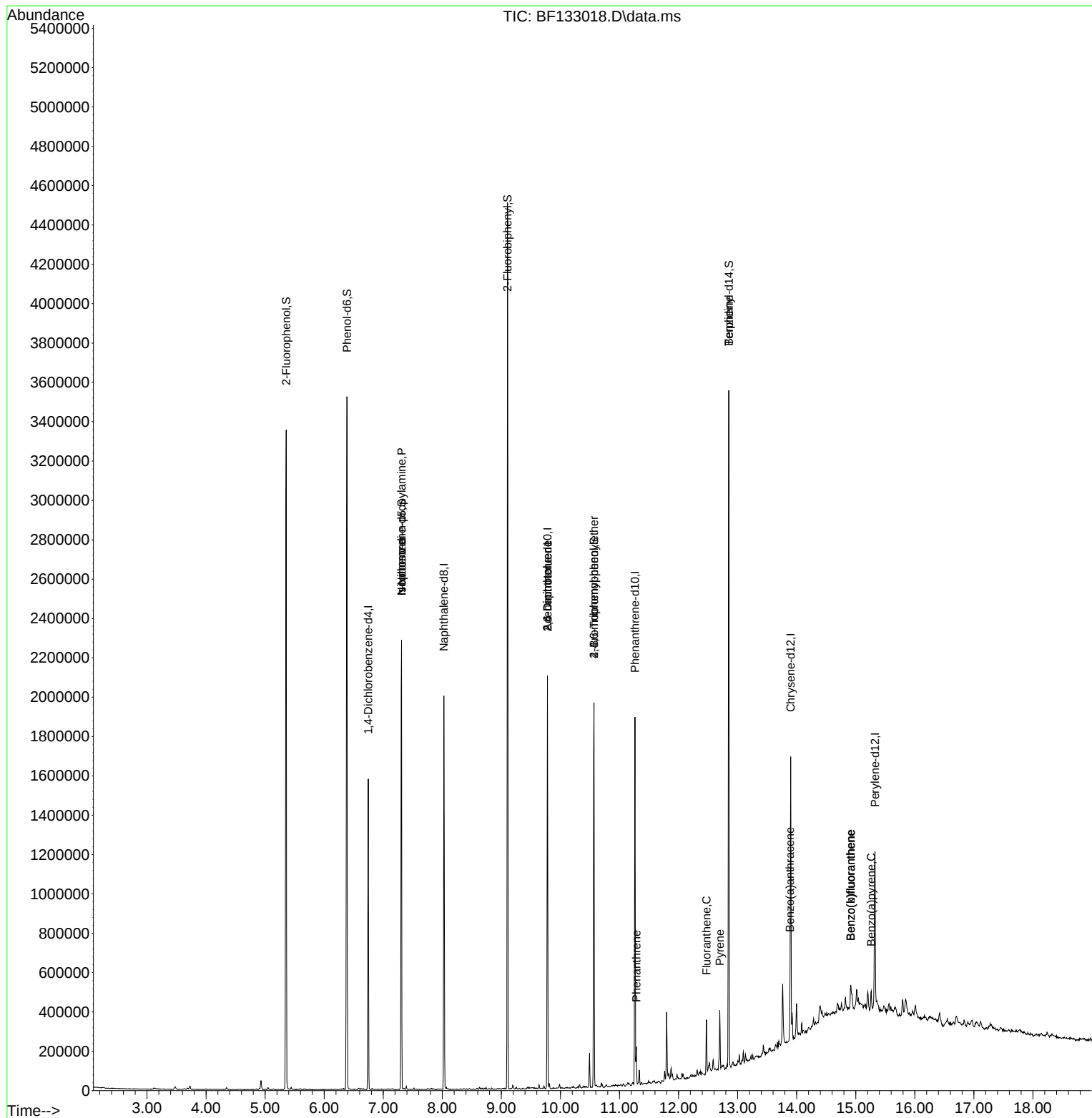
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	192668	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	768620	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	375784	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	596523	20.000	ng	0.00
76) Chrysene-d12	13.898	240	407371	20.000	ng	-0.01
86) Perylene-d12	15.327	264	348269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	933586	73.198	ng	0.00
7) Phenol-d6	6.386	99	1125362	71.087	ng	0.00
23) Nitrobenzene-d5	7.310	82	672220	47.207	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	223457	59.128	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1237406	55.090	ng	-0.01
79) Terphenyl-d14	12.851	244	1094479	46.336	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.287	77	676	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.310	70	88372	8.967	ng	# 77
25) Isophorone	7.310	82	672127	24.860	ng	# 63
51) 2,6-Dinitrotoluene	9.780	165	49665	8.421	ng	# 25
57) 2,4-Dinitrotoluene	9.780	165	49665	6.603	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	14538	2.247	ng	# 1
71) Phenanthrene	11.286	178	65260	2.035	ng	98
75) Fluoranthene	12.474	202	107343	3.336	ng	96
77) Benzidine	12.851	184	14352	2.083	ng	99
78) Pyrene	12.698	202	108982	3.121	ng	99
81) Benzo(a)anthracene	13.886	228	59152	2.112	ng	95
88) Benzo(b)fluoranthene	14.915	252	87320	3.941	ng	# 93
89) Benzo(k)fluoranthene	14.915	252	87320	3.976	ng	# 94
90) Benzo(a)pyrene	15.262	252	44099	2.187	ng	# 89

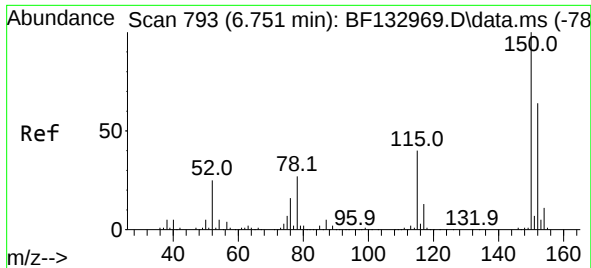
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133018.D
Acq On : 25 Apr 2023 02:57
Operator : CG\JU
Sample : 02470-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Quant Time: Apr 25 05:22:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 22 03:30:56 2023
Response via : Initial Calibration

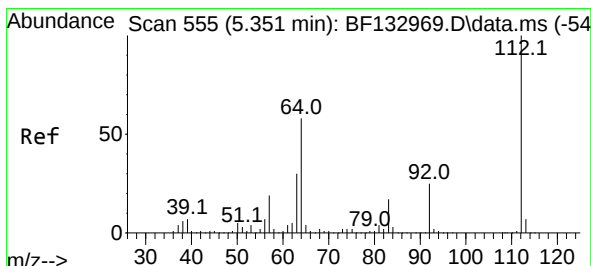
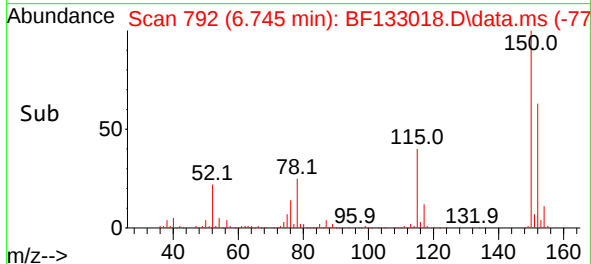
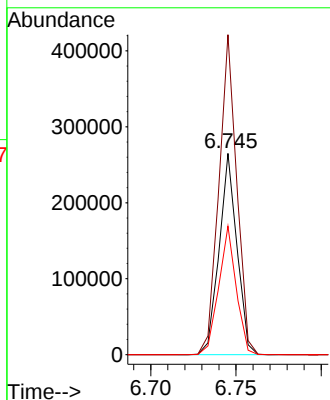
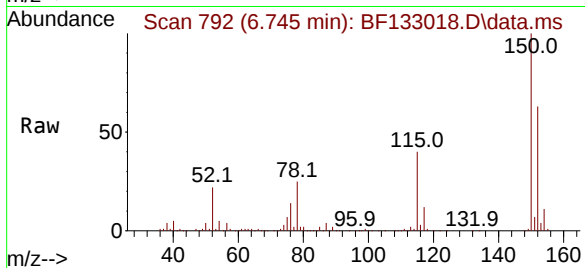




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

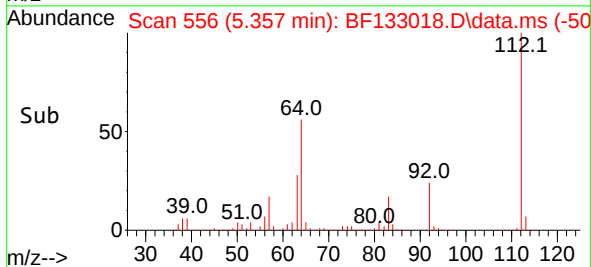
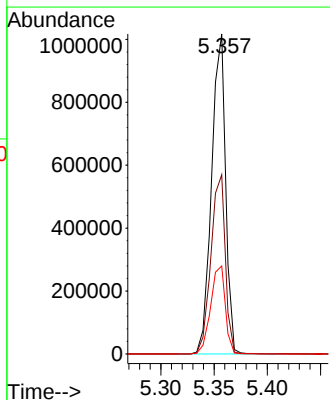
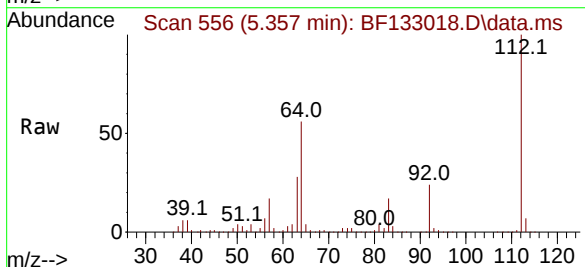
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

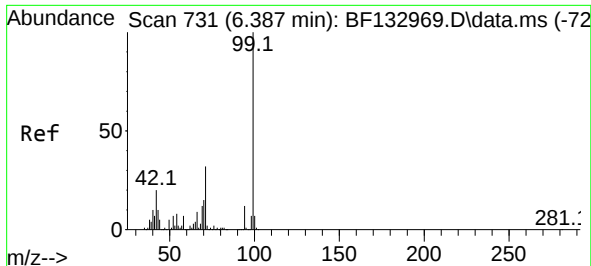
Tgt Ion:152 Resp: 192668
Ion Ratio Lower Upper
152 100
150 158.9 124.8 187.2
115 63.8 49.9 74.9



#5
2-Fluorophenol
Concen: 73.198 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion:112 Resp: 933586
Ion Ratio Lower Upper
112 100
64 56.0 46.8 70.2
63 27.5 23.8 35.8



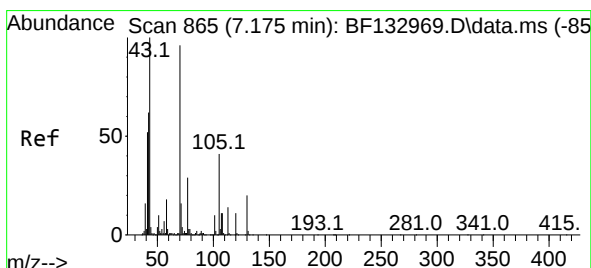
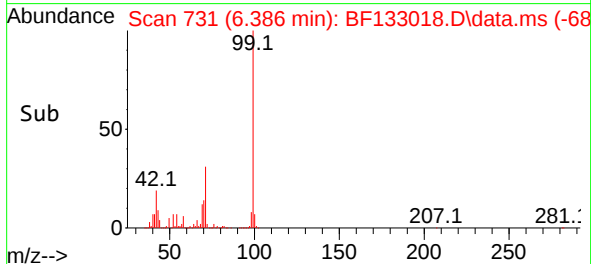
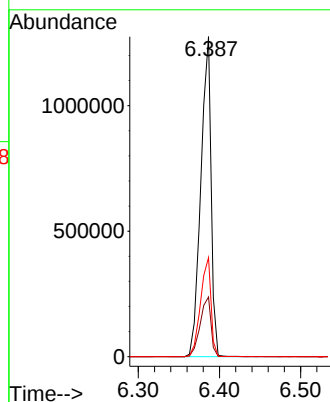
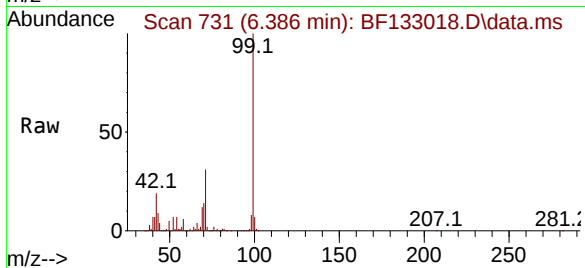


#7
Phenol-d6
Concen: 71.087 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Tgt Ion: 99 Resp: 1125362

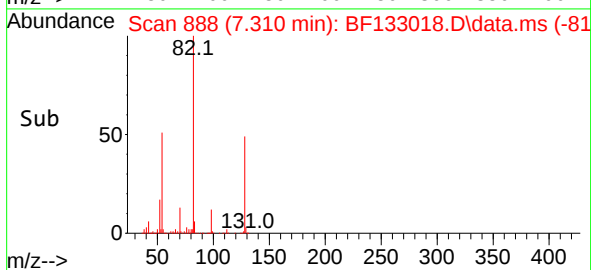
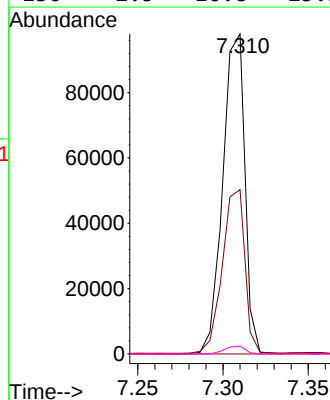
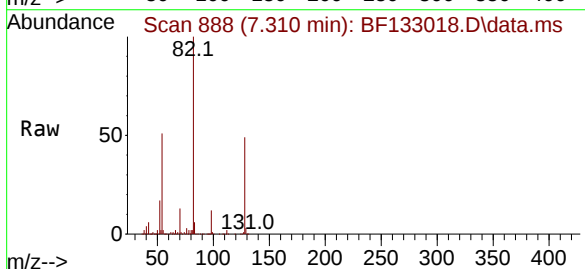
Ion	Ratio	Lower	Upper
99	100		
42	18.7	16.3	24.5
71	31.0	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.967 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion: 70 Resp: 88372

Ion	Ratio	Lower	Upper
70	100		
42	51.4	51.8	77.6#
101	0.0	8.0	12.0#
130	2.5	16.8	25.2#





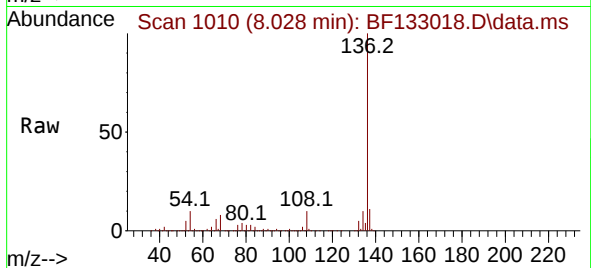
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Instrument :

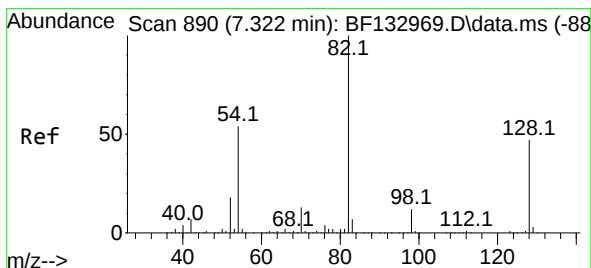
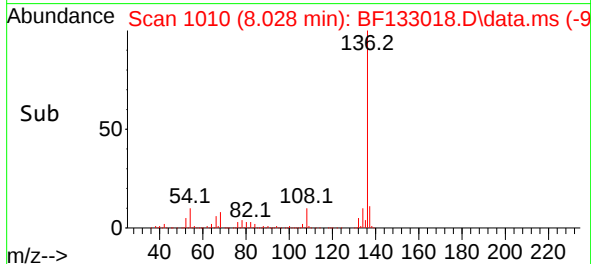
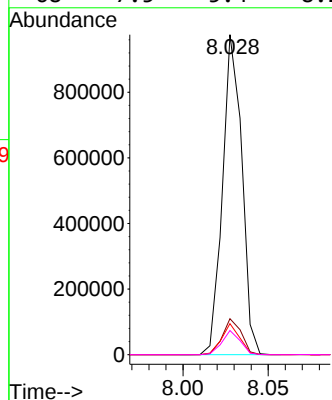
BNA_F

ClientSampleId :

SB-06-COMP

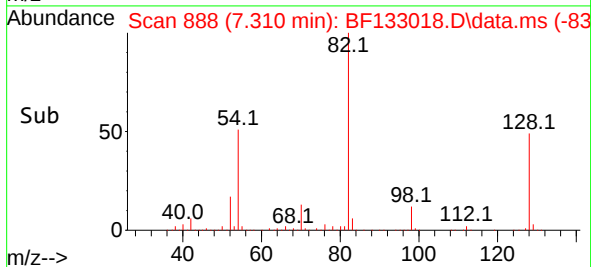
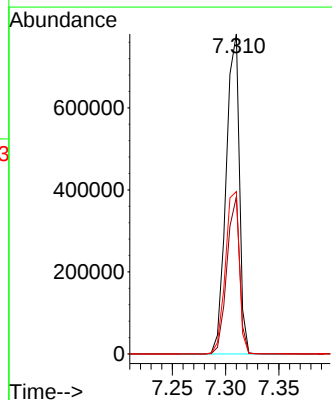
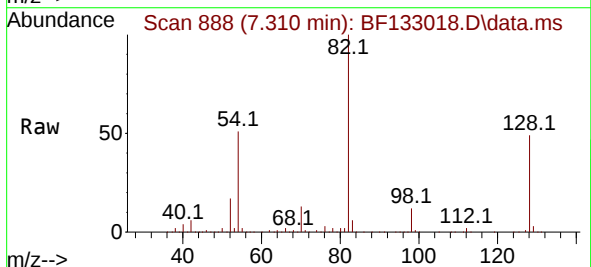


Tgt Ion:136 Resp: 768620
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.7 7.0 10.4
68 7.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 47.207 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion: 82 Resp: 672220
Ion Ratio Lower Upper
82 100
128 49.1 37.7 56.5
54 50.8 43.0 64.4

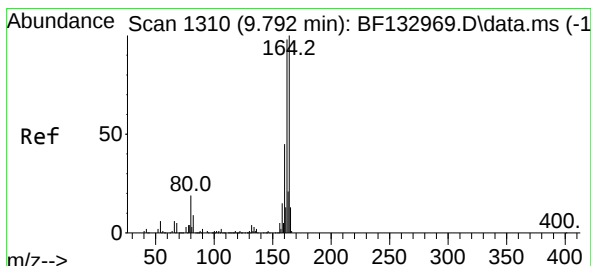
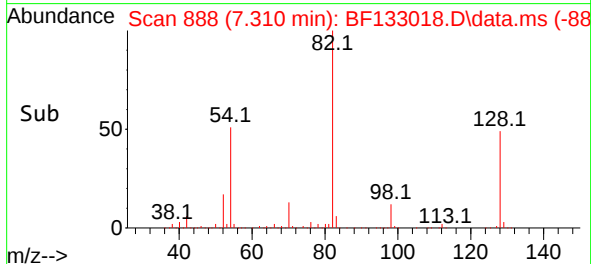
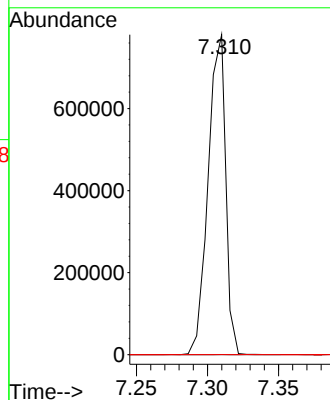
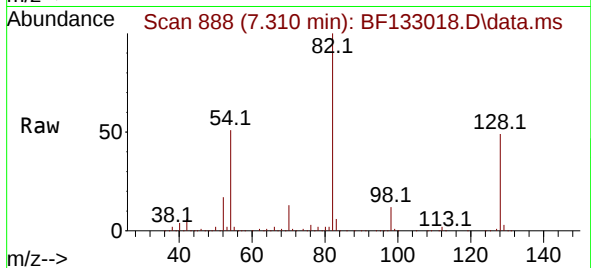




#25
Isophorone
Concen: 24.860 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

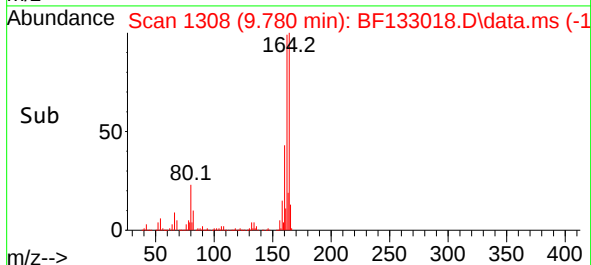
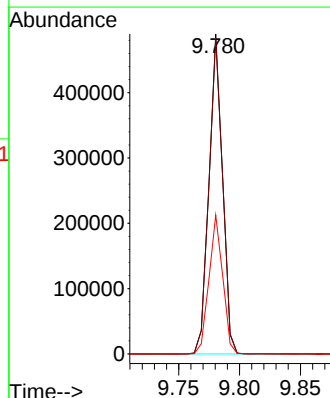
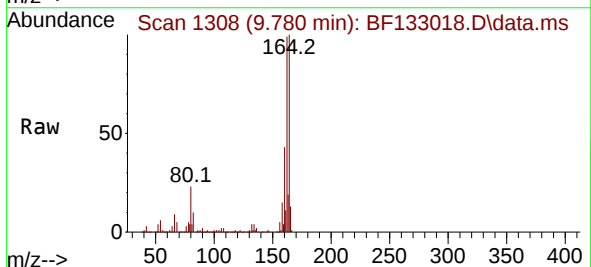
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

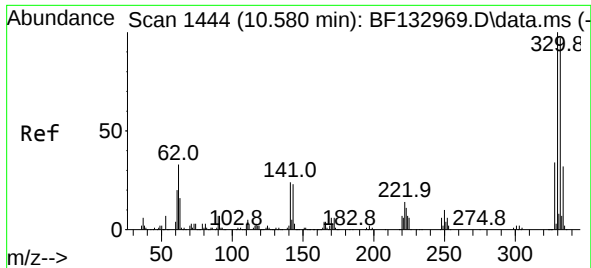
Tgt Ion: 82 Resp: 672127
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion:164 Resp: 375784
Ion Ratio Lower Upper
164 100
162 98.7 78.7 118.1
160 43.4 35.8 53.6

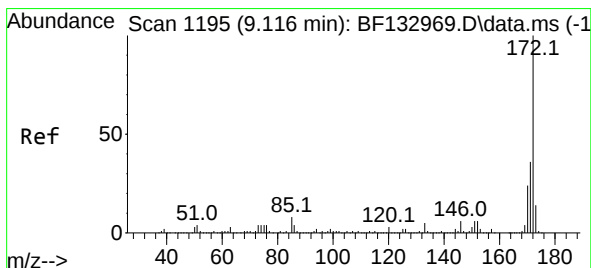
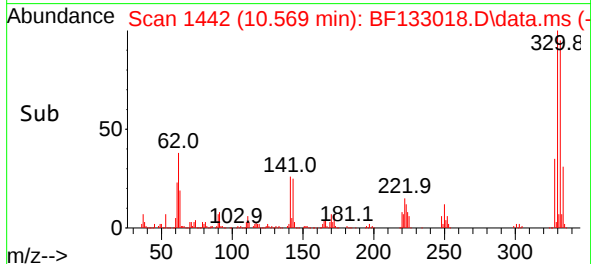
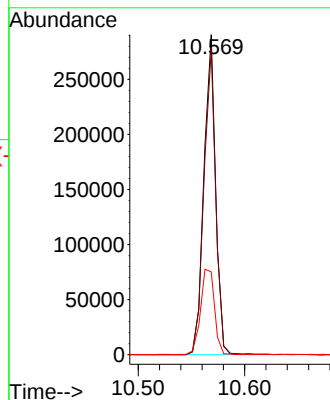
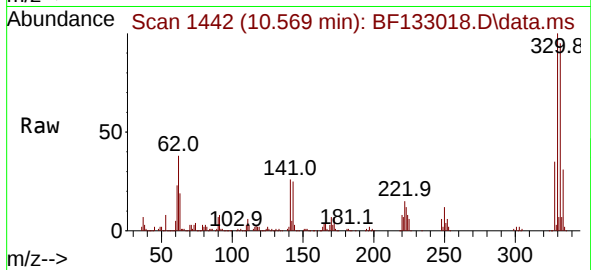




#42
2,4,6-Tribromophenol
Concen: 59.128 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

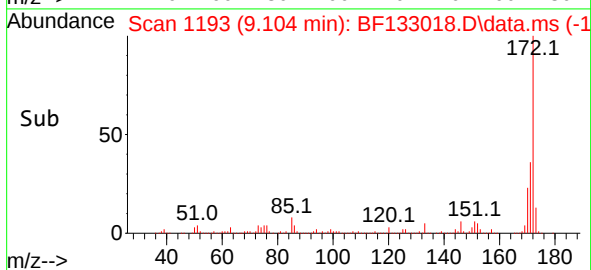
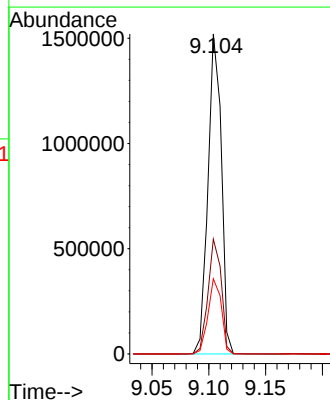
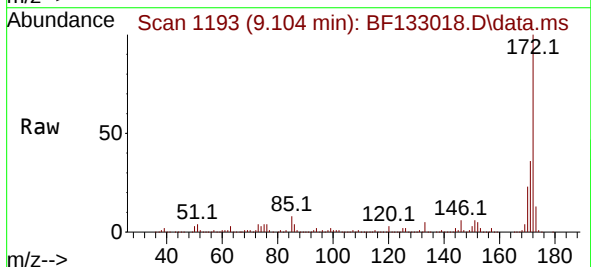
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

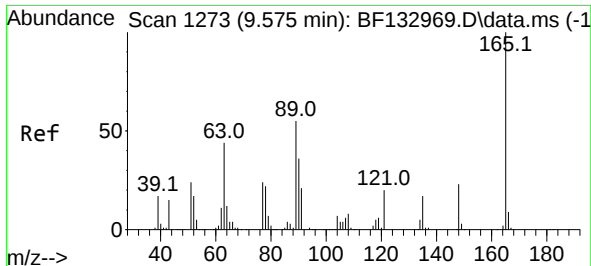
Tgt Ion: 330 Resp: 223457
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 31.4 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 55.090 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion: 172 Resp: 1237406
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.5 19.4 29.2

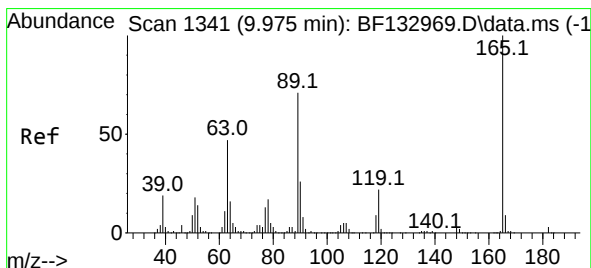
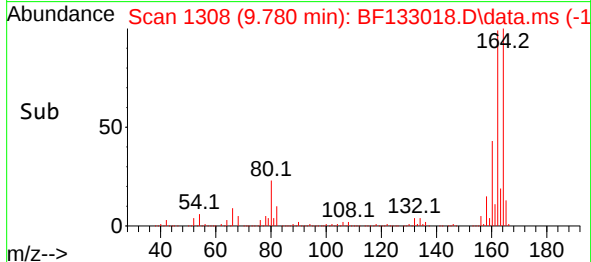
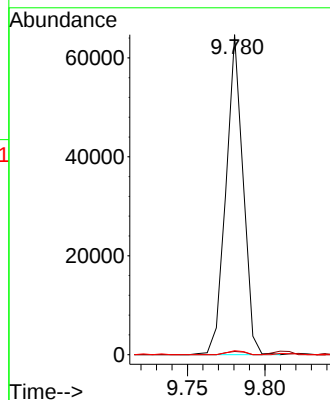
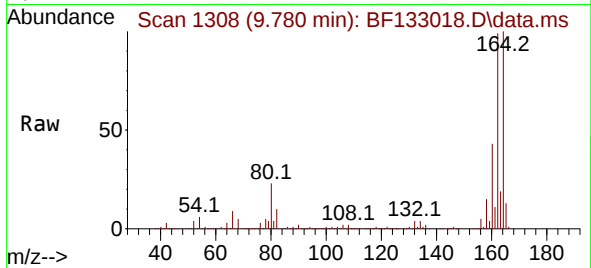




#51
2,6-Dinitrotoluene
Concen: 8.421 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

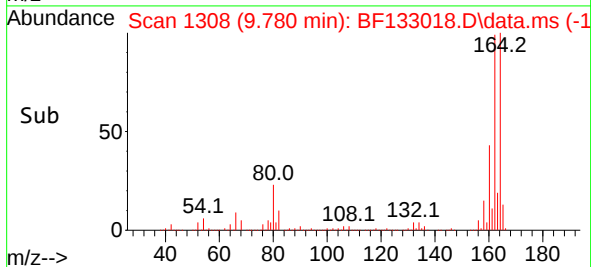
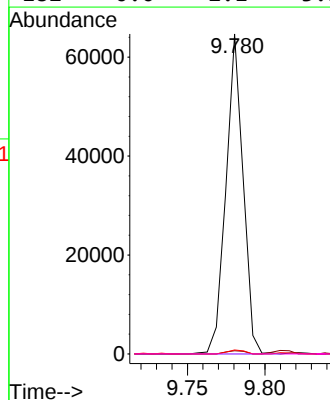
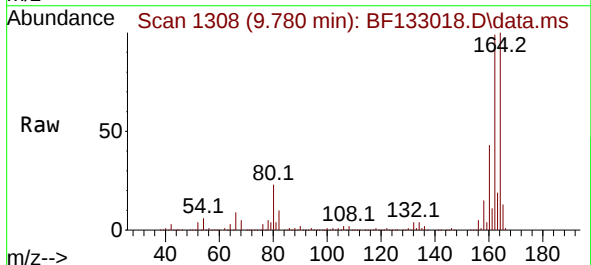
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

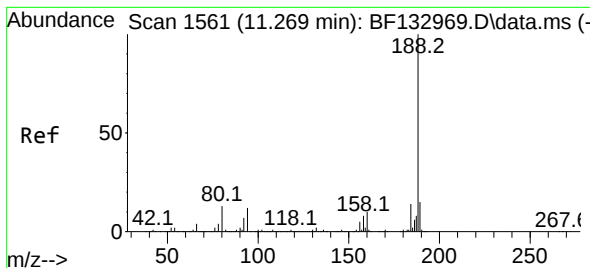
Tgt Ion:165 Resp: 49665
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.2 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.603 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion:165 Resp: 49665
Ion Ratio Lower Upper
165 100
63 1.0 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

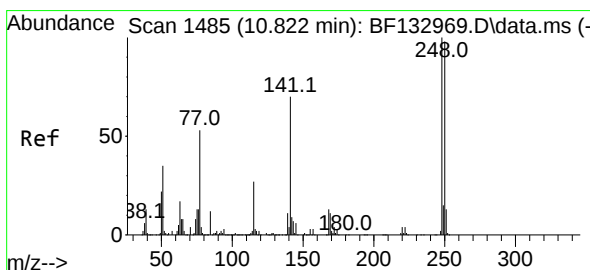
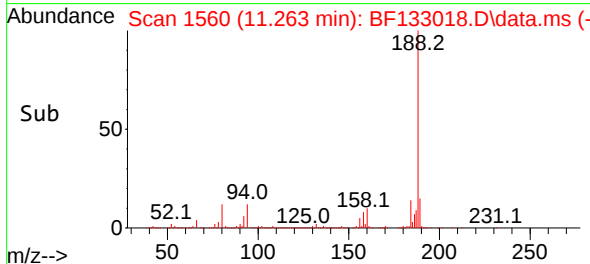
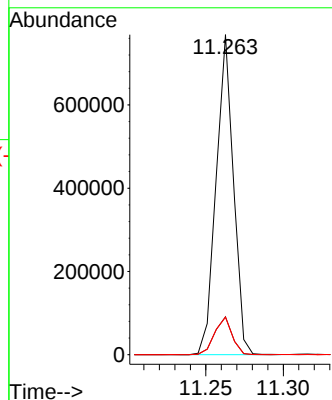
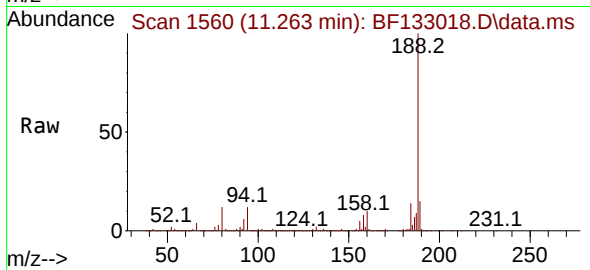
Tgt Ion:188 Resp: 596523

Ion Ratio Lower Upper

188 100

94 11.8 9.7 14.5

80 11.7 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.247 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

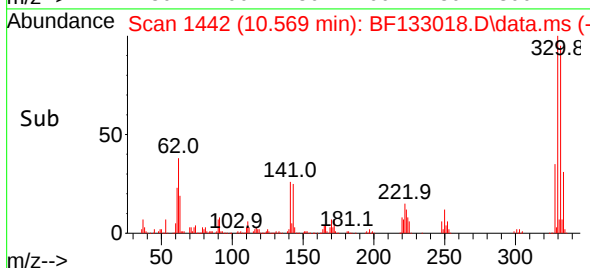
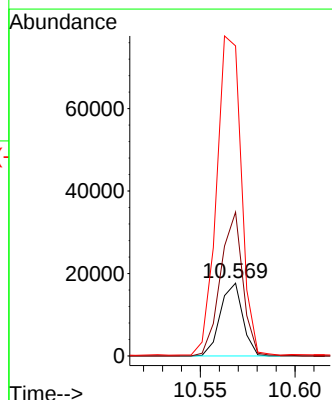
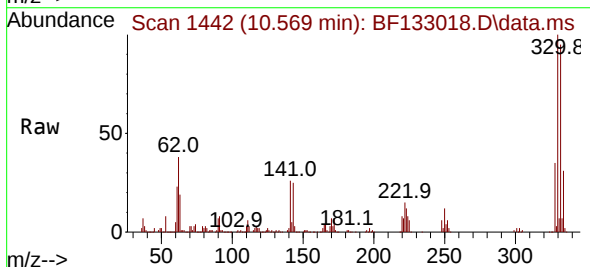
Tgt Ion:248 Resp: 14538

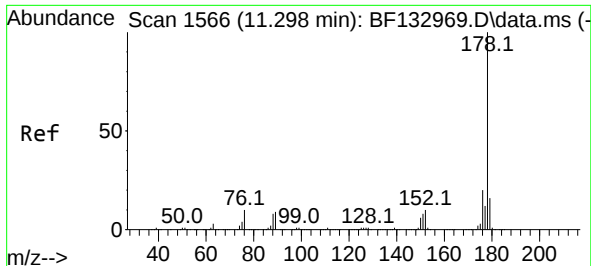
Ion Ratio Lower Upper

248 100

250 197.6 78.7 118.1#

141 426.0 56.3 84.5#

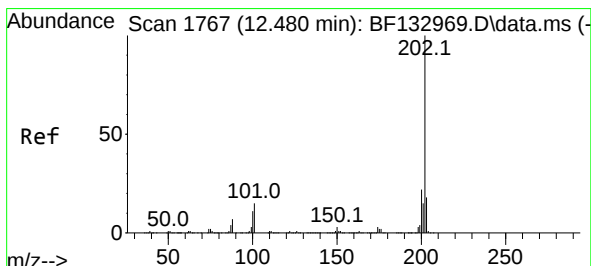
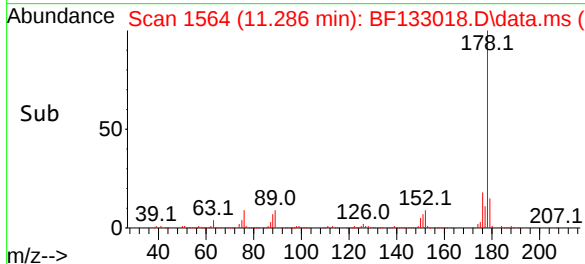
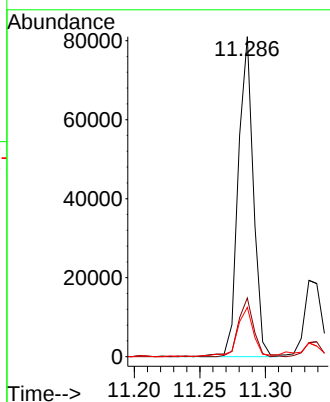
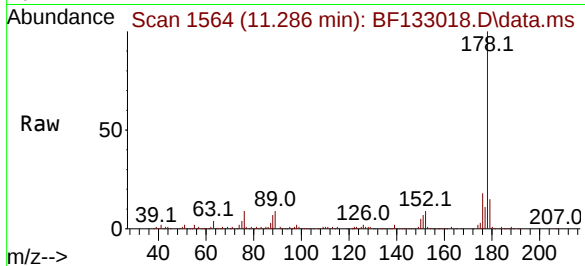




#71
Phenanthrene
Concen: 2.035 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

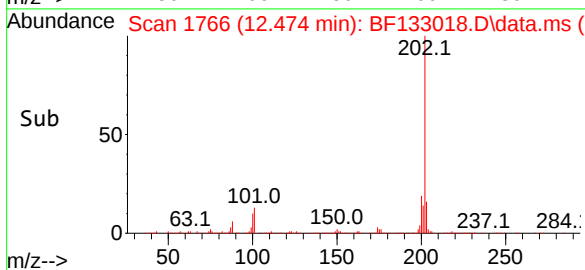
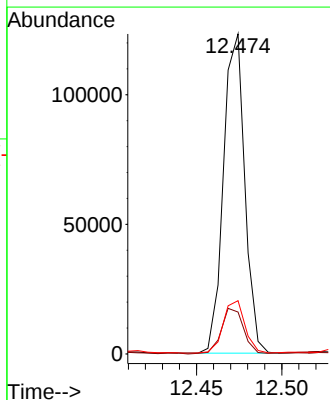
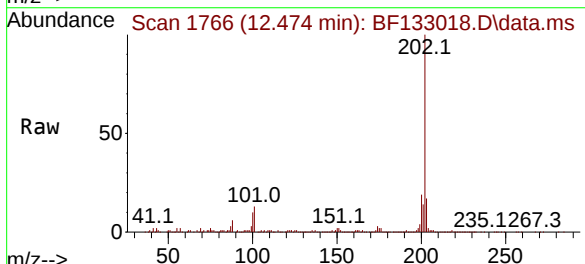
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

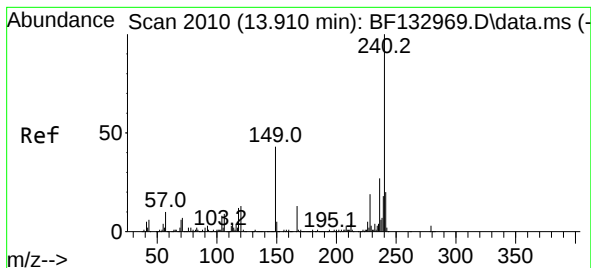
Tgt Ion:178 Resp: 65260
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.4 12.5 18.7



#75
Fluoranthene
Concen: 3.336 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion:202 Resp: 107343
Ion Ratio Lower Upper
202 100
101 13.1 0.0 35.3
203 16.7 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

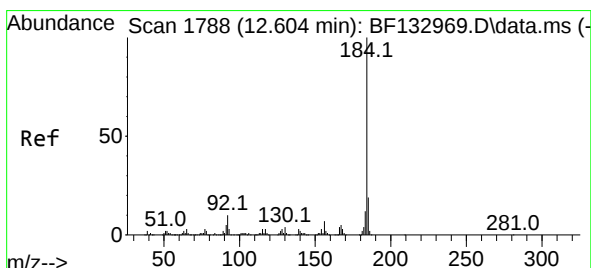
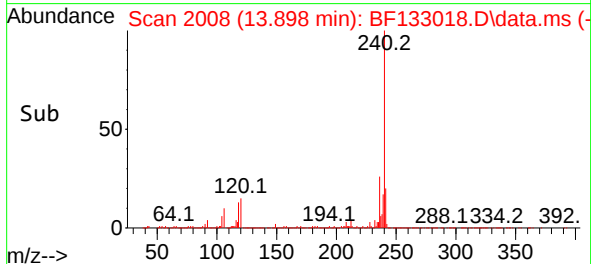
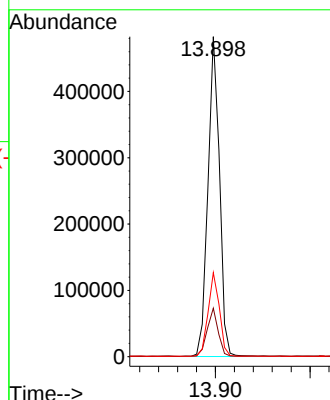
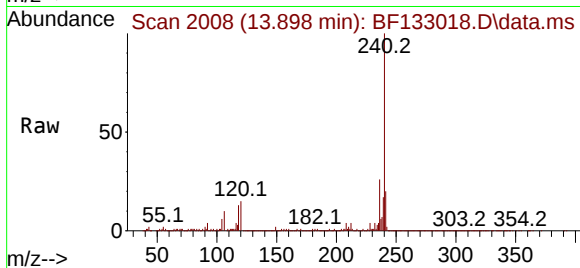
Tgt Ion:240 Resp: 407371

Ion Ratio Lower Upper

240 100

120 15.1 10.5 15.7

236 26.2 21.5 32.3



#77

Benzidine

Concen: 2.083 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.247 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

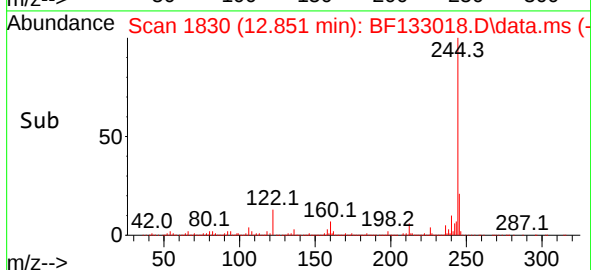
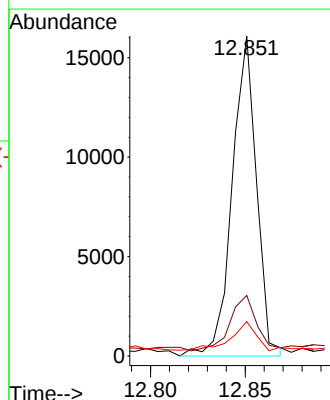
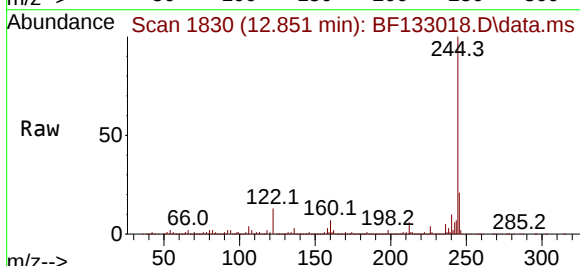
Tgt Ion:184 Resp: 14352

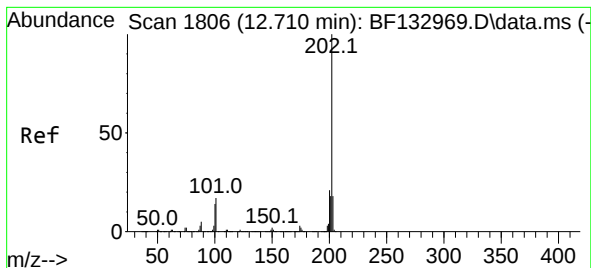
Ion Ratio Lower Upper

184 100

185 18.9 15.4 23.2

183 10.8 9.4 14.0





#78

Pyrene

Concen: 3.121 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

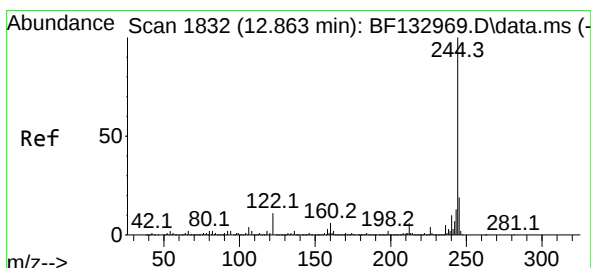
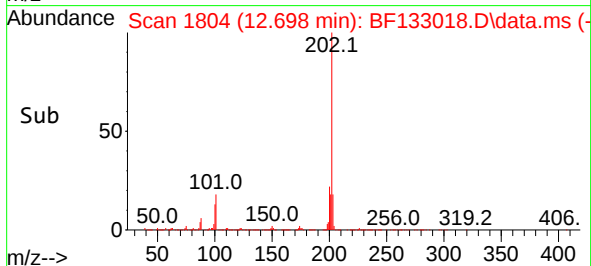
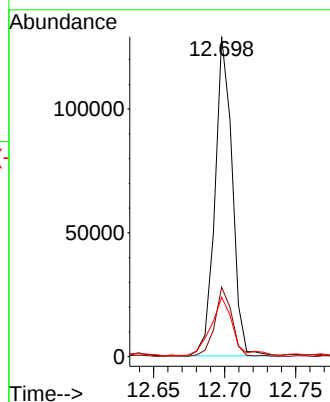
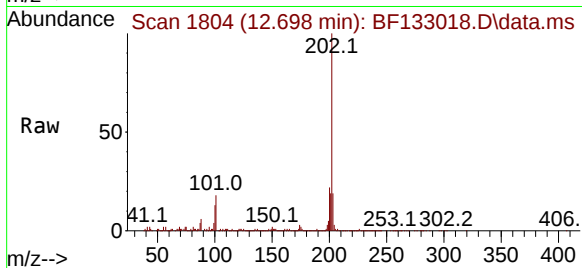
Tgt Ion:202 Resp: 108982

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.6 14.1 21.1



#79

Terphenyl-d14

Concen: 46.336 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

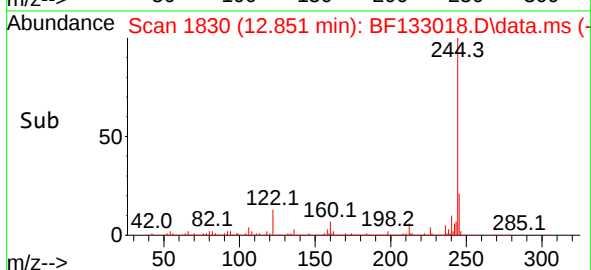
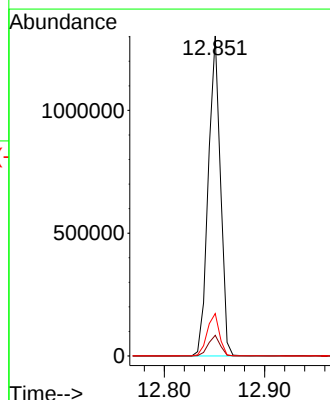
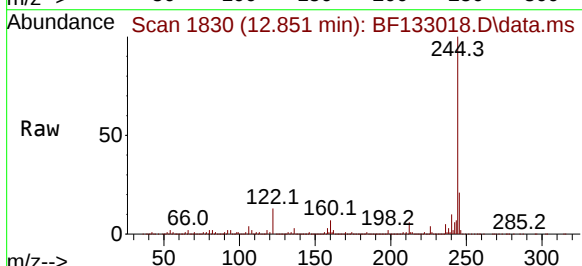
Tgt Ion:244 Resp: 1094479

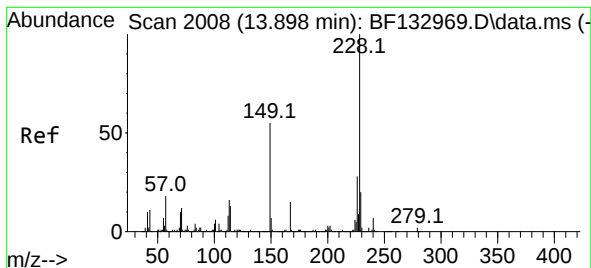
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 13.3 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 2.112 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

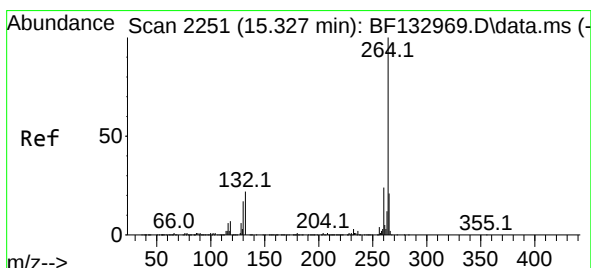
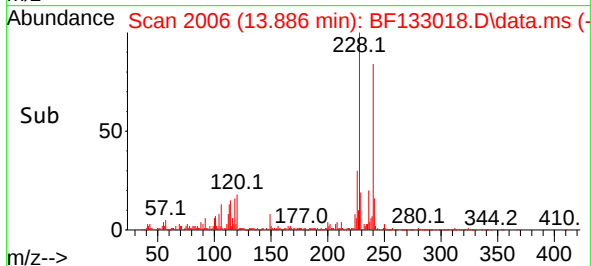
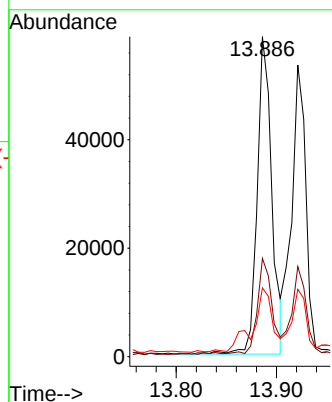
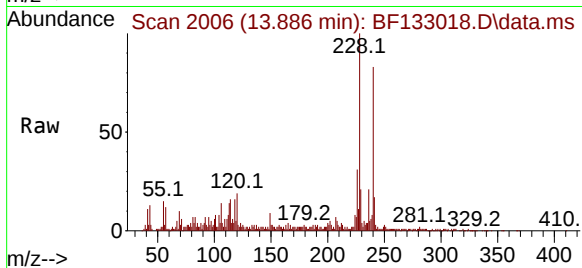
Tgt Ion:228 Resp: 59152

Ion Ratio Lower Upper

228 100

226 30.7 22.2 33.4

229 21.5 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.327 min Scan# 2251

Delta R.T. -0.000 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

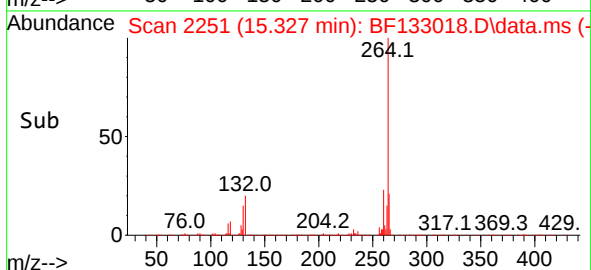
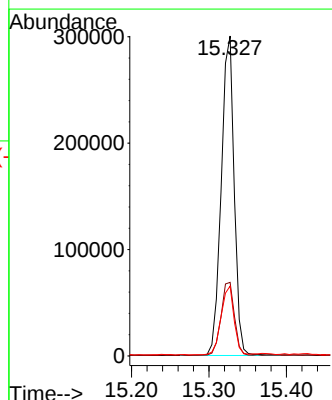
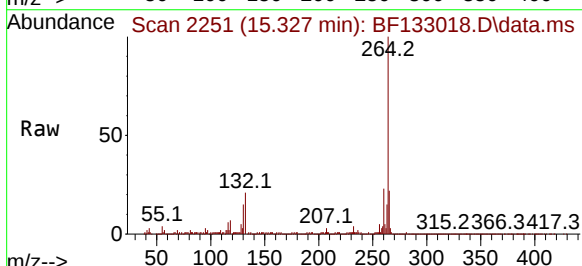
Tgt Ion:264 Resp: 348269

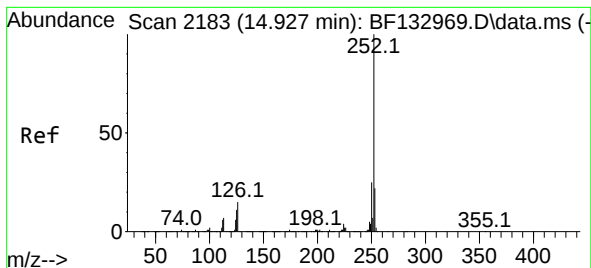
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.9 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.941 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

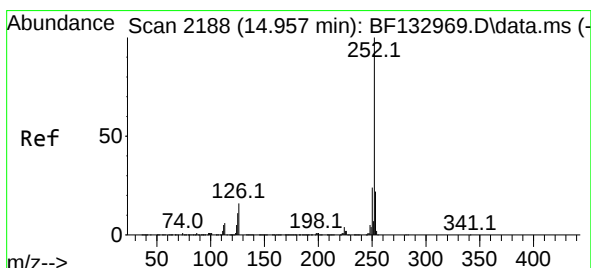
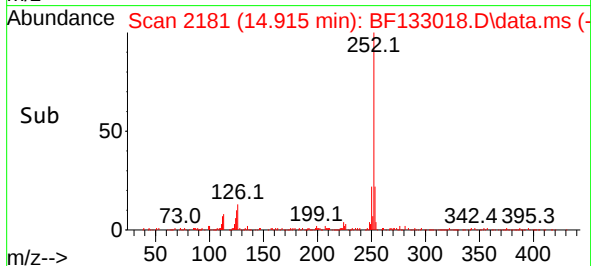
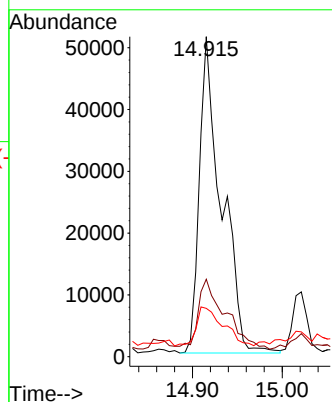
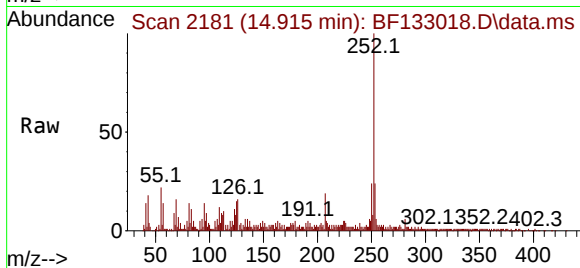
Tgt Ion:252 Resp: 87320

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 15.1 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 3.976 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.041 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

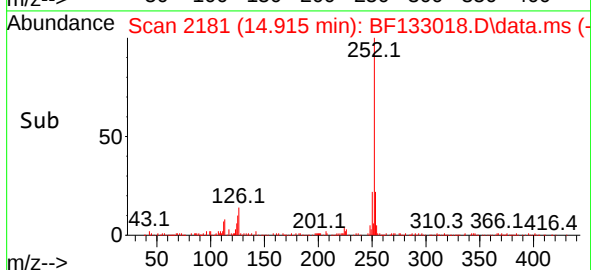
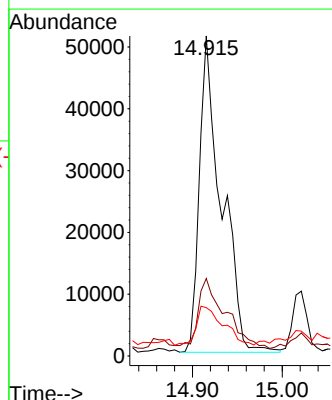
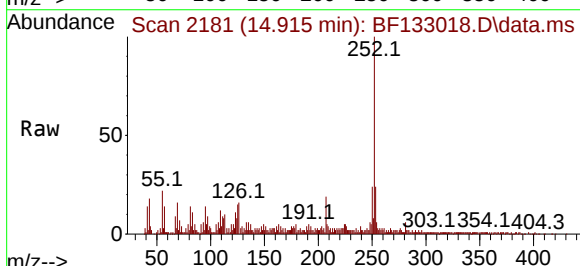
Tgt Ion:252 Resp: 87320

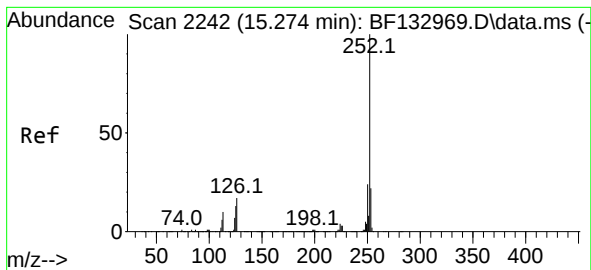
Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 15.1 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 2.187 ng

RT: 15.262 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133018.D

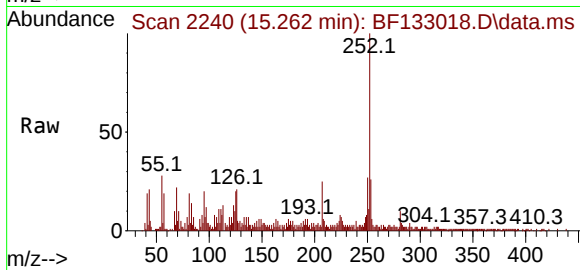
Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP



Tgt Ion:252 Resp: 44099

Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

125 19.7 10.5 15.7#

