

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133446.D
 Acq On : 18 May 2023 19:13
 Operator : CG\JU
 Sample : 02823-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-051723

Quant Time: May 19 03:21:07 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 18 18:12:00 2023
 Response via : Initial Calibration

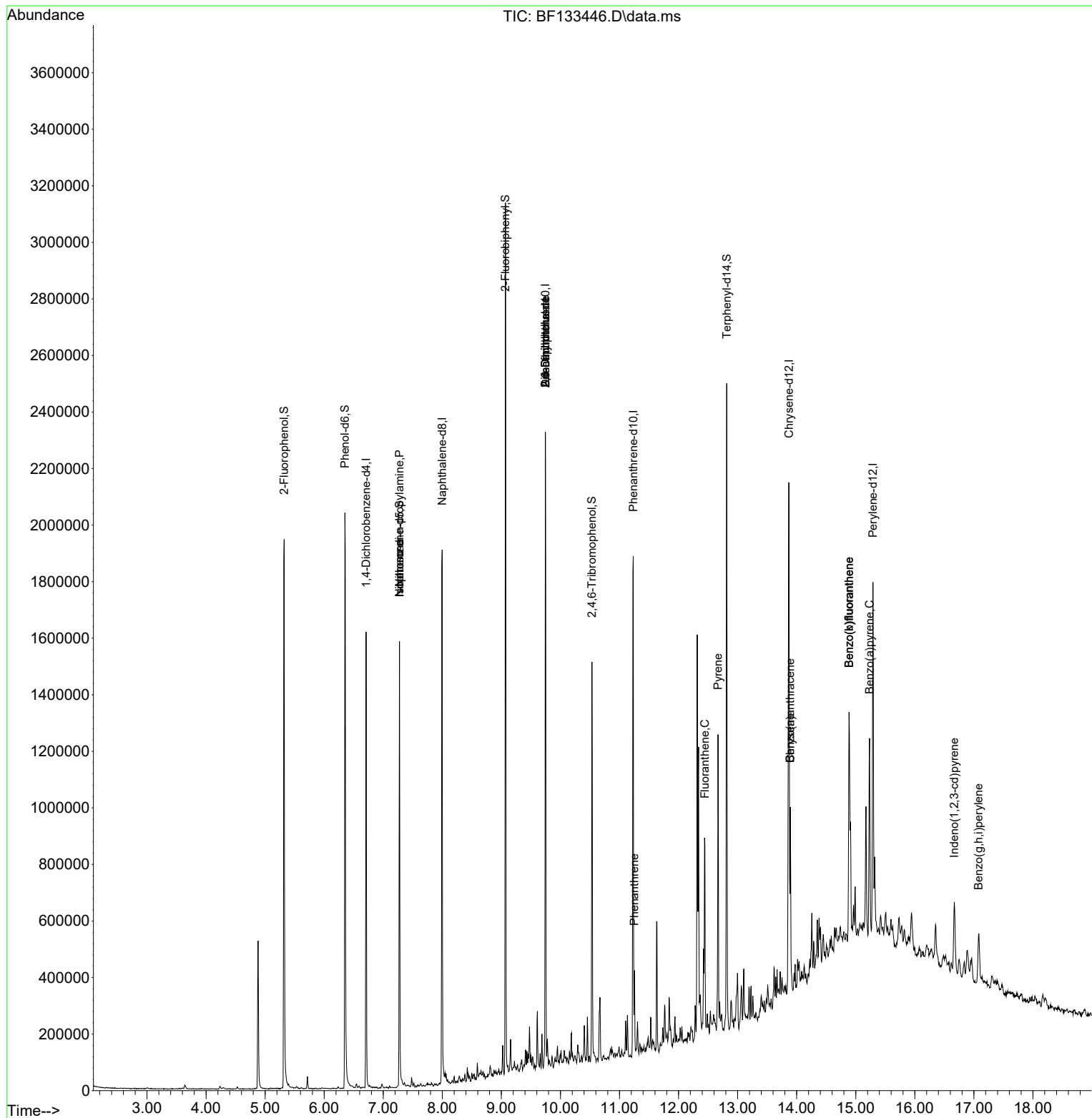
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	220401	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	883840	20.000	ng	0.00
39) Acenaphthene-d10	9.745	164	434089	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	680852	20.000	ng	# 0.00
76) Chrysene-d12	13.868	240	492187	20.000	ng	-0.01
86) Perylene-d12	15.292	264	542709	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	621349	42.587	ng	0.00
7) Phenol-d6	6.351	99	757852	41.848	ng	-0.02
23) Nitrobenzene-d5	7.275	82	443350	27.076	ng	-0.01
42) 2,4,6-Tribromophenol	10.533	330	165316	37.868	ng	-0.01
45) 2-Fluorobiphenyl	9.069	172	883716	34.059	ng	-0.01
79) Terphenyl-d14	12.816	244	768381	26.925	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.263	77	73	Below Cal	#	61
19) n-Nitroso-di-n-propyla...	7.275	70	57285	5.081 ng	#	77
25) Isophorone	7.275	82	443347	14.260 ng	#	63
50) Dimethylphthalate	9.745	163	81412	2.690 ng	#	1
51) 2,6-Dinitrotoluene	9.745	165	57686	8.468 ng	#	25
57) 2,4-Dinitrotoluene	9.745	165	57686	6.640 ng	#	24
71) Phenanthrene	11.251	178	103172	2.819 ng		100
75) Fluoranthene	12.445	202	281849	7.674 ng		95
78) Pyrene	12.668	202	375505	8.900 ng		100
81) Benzo(a)anthracene	13.892	228	241755	7.143 ng		95
83) Chrysene	13.892	228	241755	7.145 ng		97
87) Indeno(1,2,3-cd)pyrene	16.668	276	150850	4.887 ng		94
88) Benzo(b)fluoranthene	14.886	252	575747	16.675 ng	#	97
89) Benzo(k)fluoranthene	14.886	252	575747	16.822 ng	#	97
90) Benzo(a)pyrene	15.233	252	305227	9.712 ng		97
92) Benzo(g,h,i)perylene	17.080	276	140092	5.511 ng		99

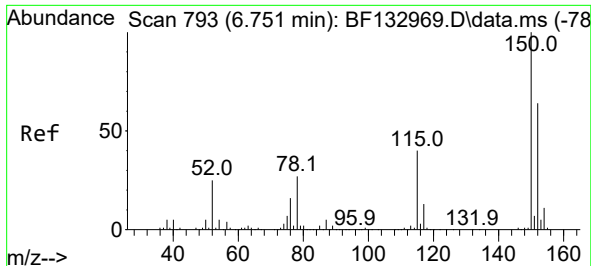
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
Data File : BF133446.D
Acq On : 18 May 2023 19:13
Operator : CG\JU
Sample : 02823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-051723

Quant Time: May 19 03:21:07 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 18 18:12:00 2023
Response via : Initial Calibration

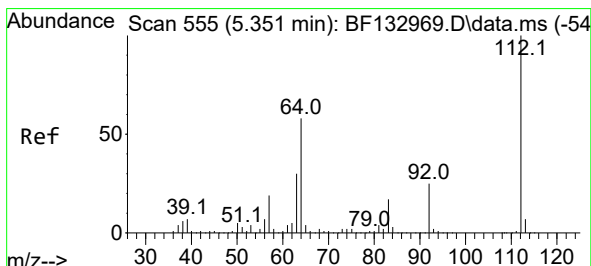
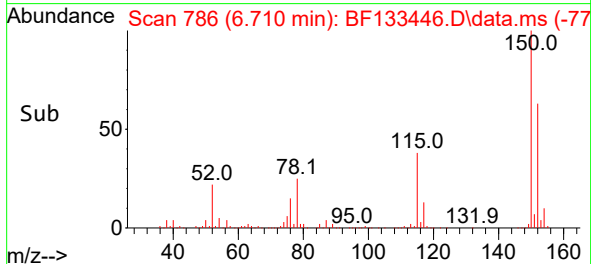
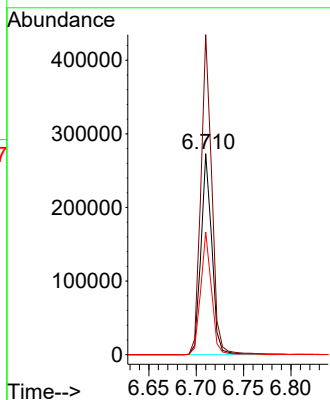
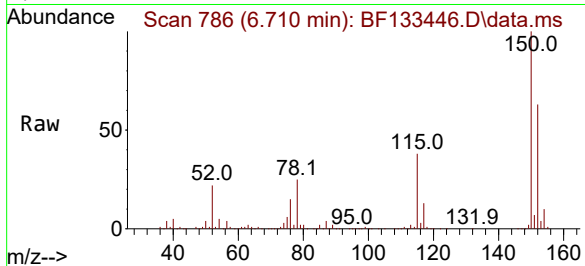




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

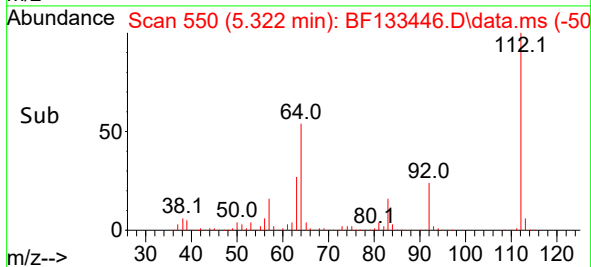
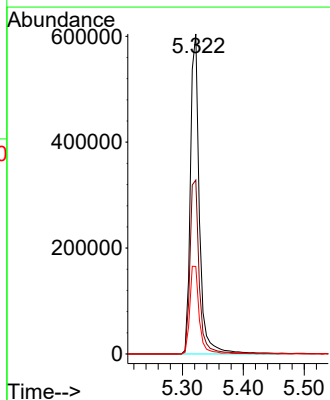
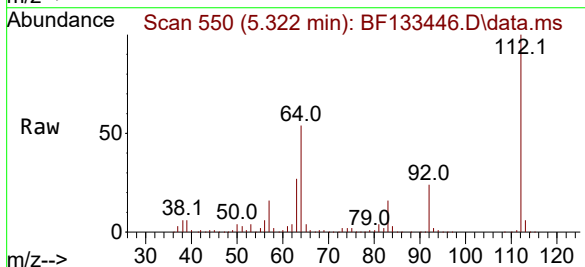
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

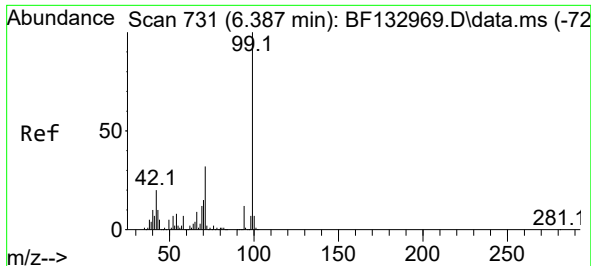
Tgt Ion:152 Resp: 220401
Ion Ratio Lower Upper
152 100
150 159.2 124.8 187.2
115 61.1 49.9 74.9



#5
2-Fluorophenol
Concen: 42.587 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:112 Resp: 621349
Ion Ratio Lower Upper
112 100
64 54.4 46.8 70.2
63 27.3 23.8 35.8

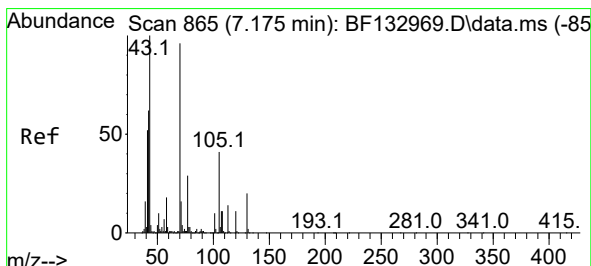
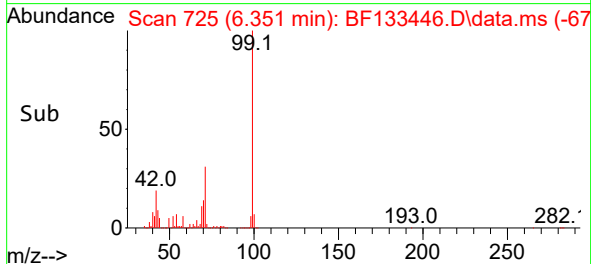
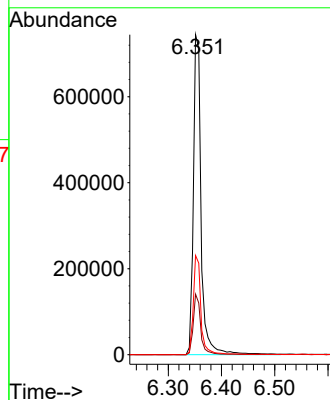
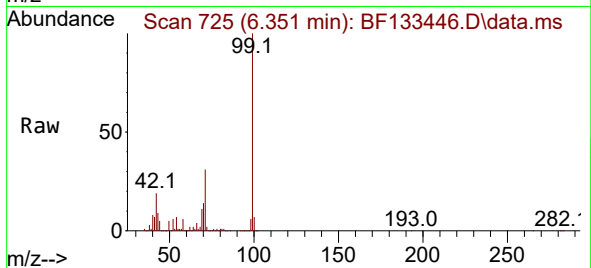




#7
Phenol-d6
Concen: 41.848 ng
RT: 6.351 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

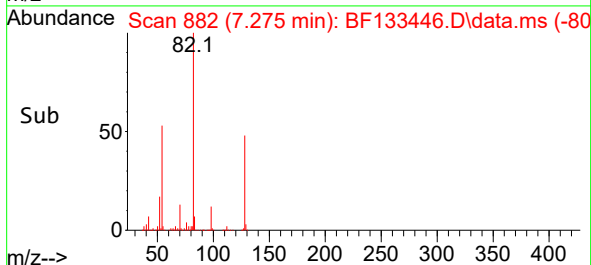
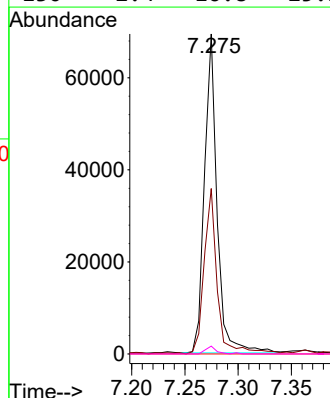
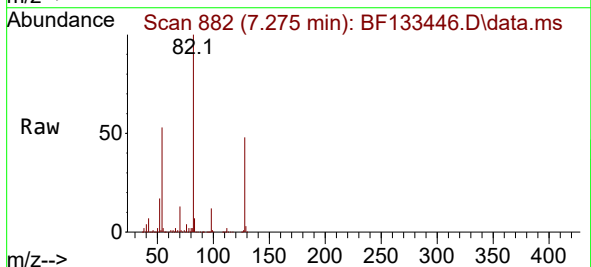
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

Tgt Ion: 99 Resp: 757852
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 31.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.081 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.135 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion: 70 Resp: 57285
Ion Ratio Lower Upper
70 100
42 51.7 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#

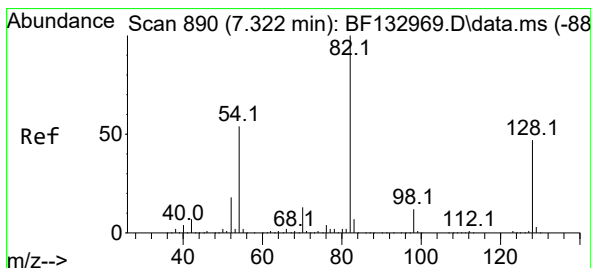
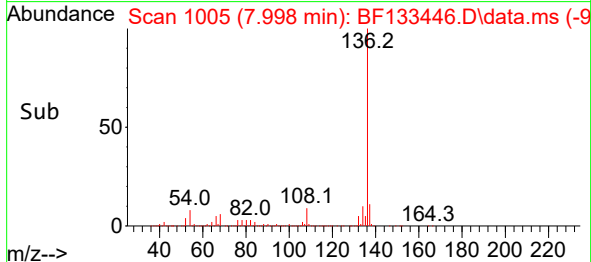
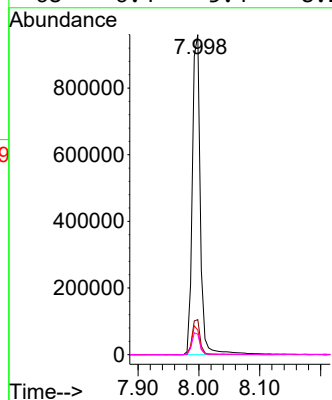
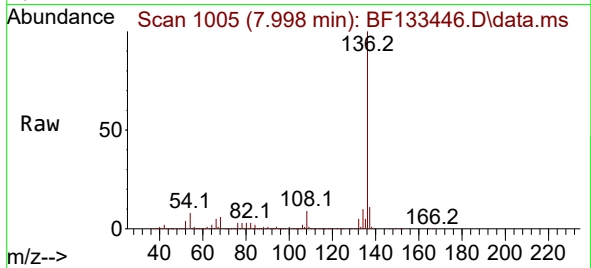




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

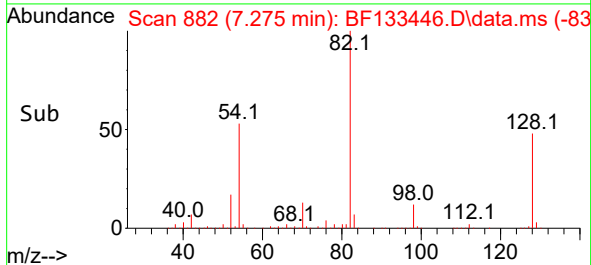
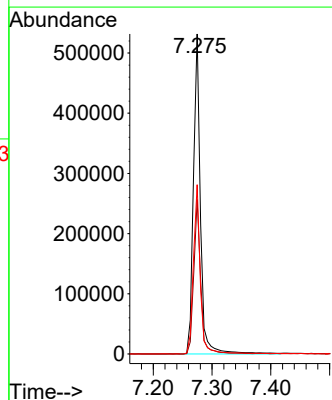
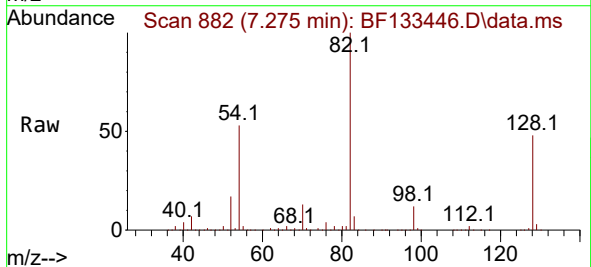
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

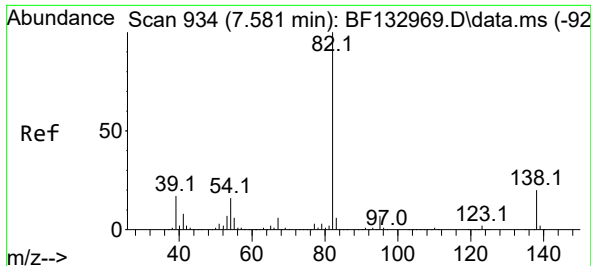
Tgt Ion:136 Resp: 883840
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.7 7.0 10.4
68 6.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 27.076 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion: 82 Resp: 443350
Ion Ratio Lower Upper
82 100
128 48.2 37.7 56.5
54 52.9 43.0 64.4

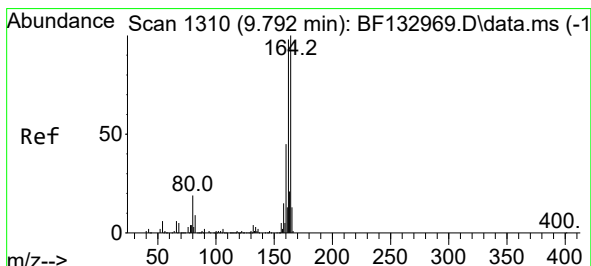
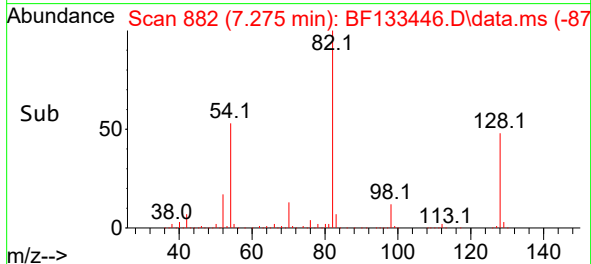
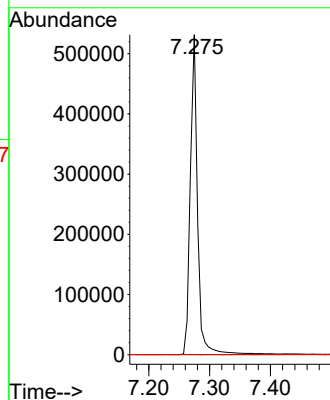
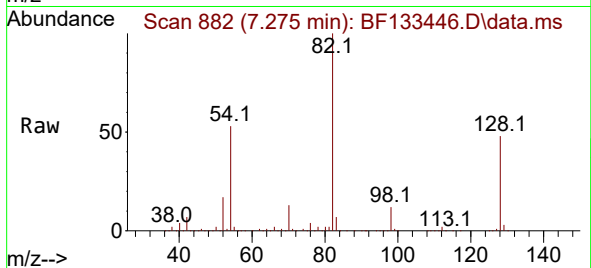




#25
Isophorone
Concen: 14.260 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

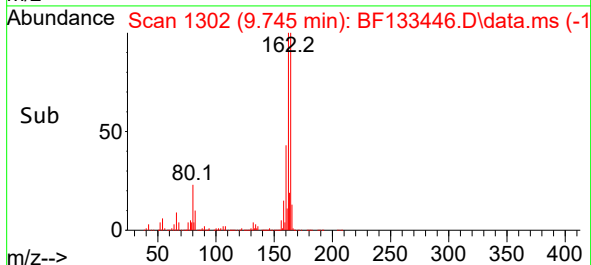
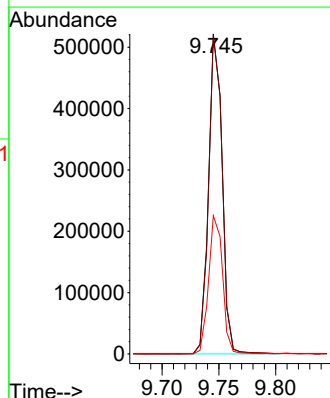
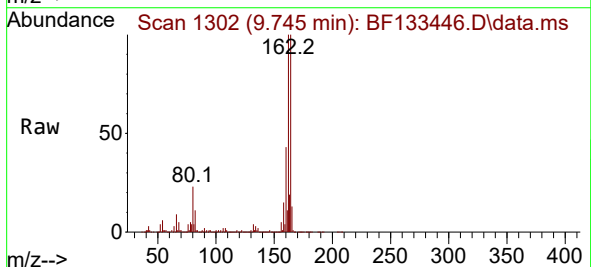
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

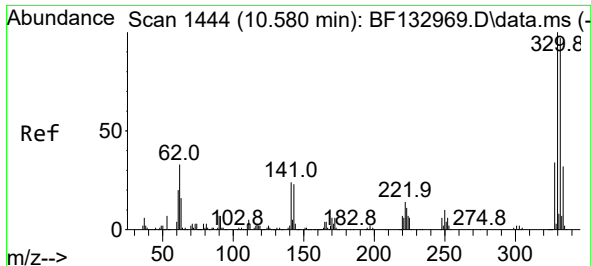
Tgt Ion: 82 Resp: 443347
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:164 Resp: 434089
Ion Ratio Lower Upper
164 100
162 99.6 78.7 118.1
160 43.2 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 37.868 ng

RT: 10.533 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133446.D

Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723

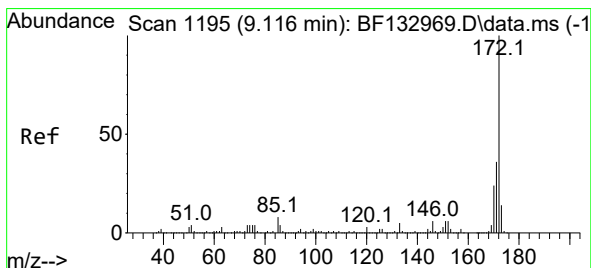
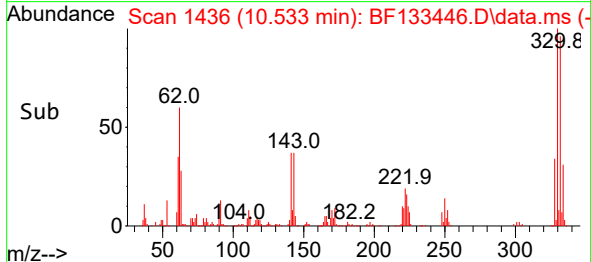
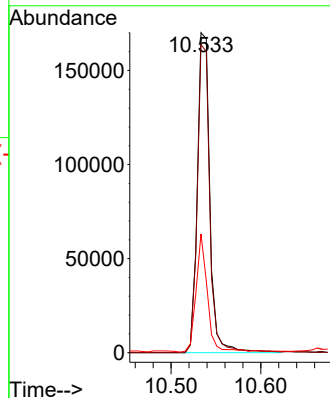
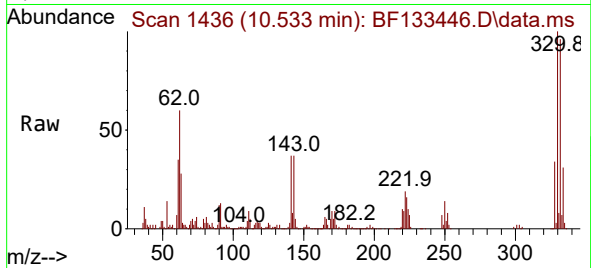
Tgt Ion:330 Resp: 165316

Ion Ratio Lower Upper

330 100

332 95.5 77.1 115.7

141 33.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 34.059 ng

RT: 9.069 min Scan# 1187

Delta R.T. -0.012 min

Lab File: BF133446.D

Acq: 18 May 2023 19:13

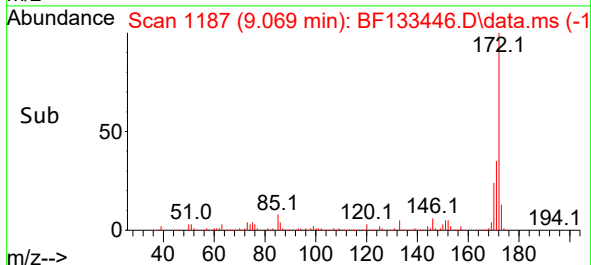
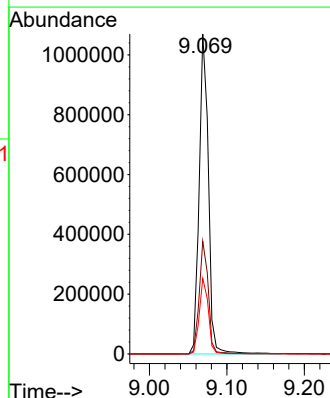
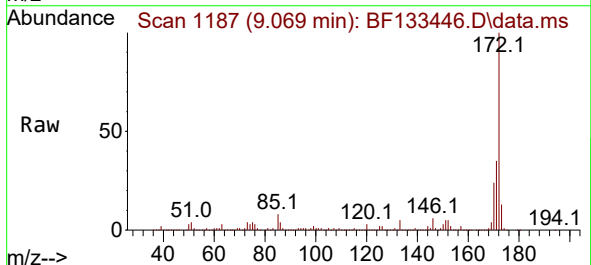
Tgt Ion:172 Resp: 883716

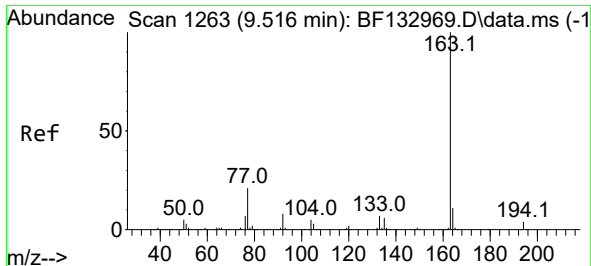
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.6 19.4 29.2

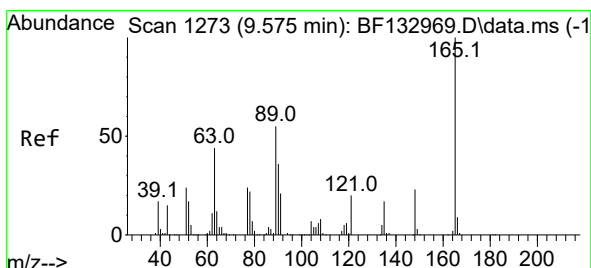
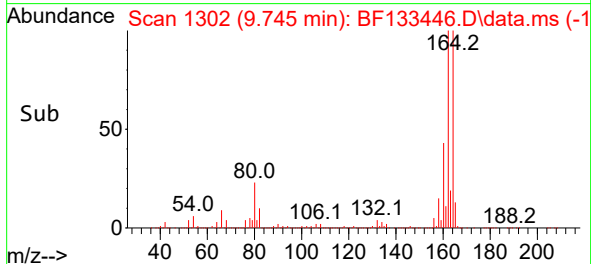
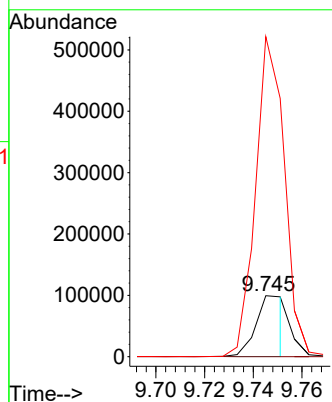
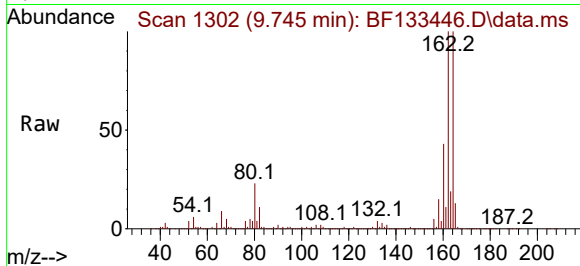




#50
 Dimethylphthalate
 Concen: 2.690 ng
 RT: 9.745 min Scan# 1302
 Delta R.T. 0.259 min
 Lab File: BF133446.D
 Acq: 18 May 2023 19:13

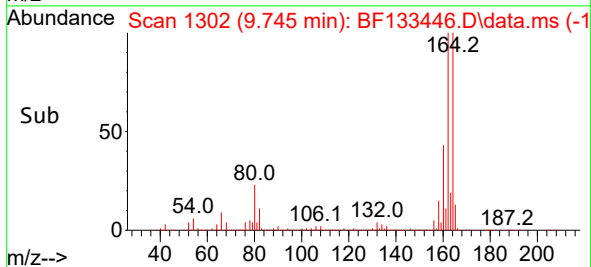
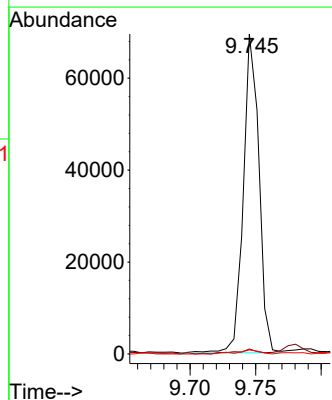
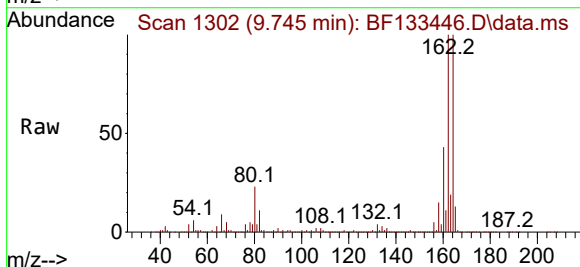
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-051723

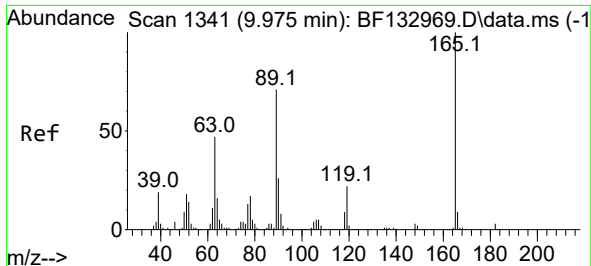
Tgt Ion:163 Resp: 81412
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.1 4.7#
 164 524.7 8.5 12.7#



#51
 2,6-Dinitrotoluene
 Concen: 8.468 ng
 RT: 9.745 min Scan# 1302
 Delta R.T. 0.200 min
 Lab File: BF133446.D
 Acq: 18 May 2023 19:13

Tgt Ion:165 Resp: 57686
 Ion Ratio Lower Upper
 165 100
 63 1.6 45.9 68.9#
 89 1.3 44.0 66.0#

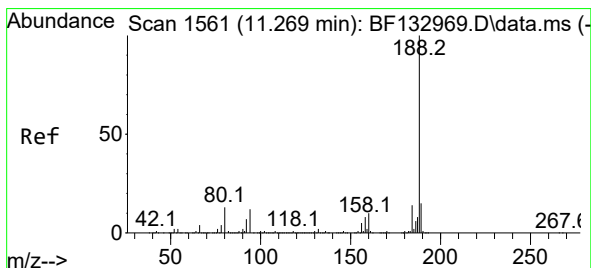
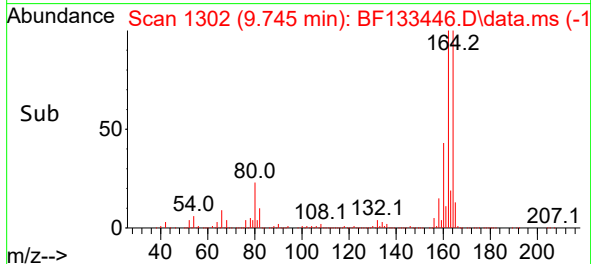
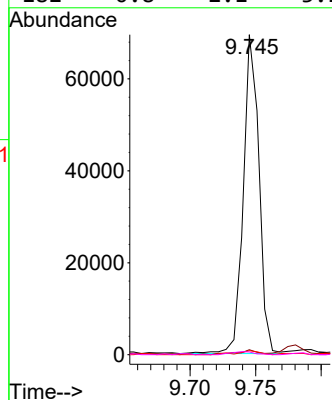
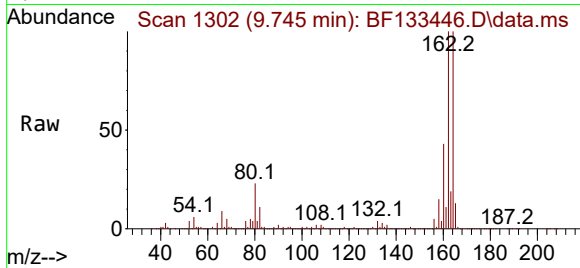




#57
2,4-Dinitrotoluene
Concen: 6.640 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

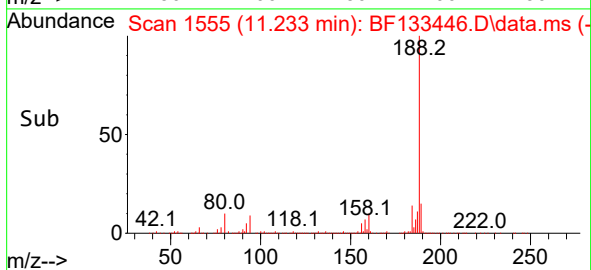
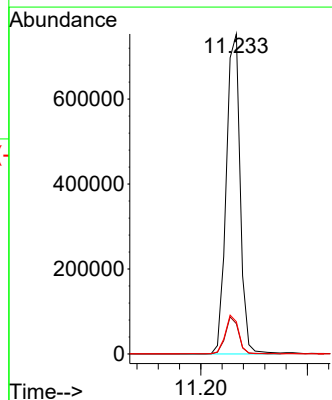
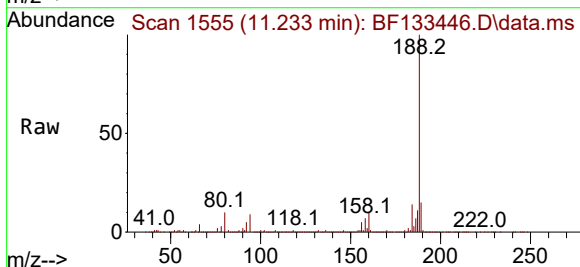
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

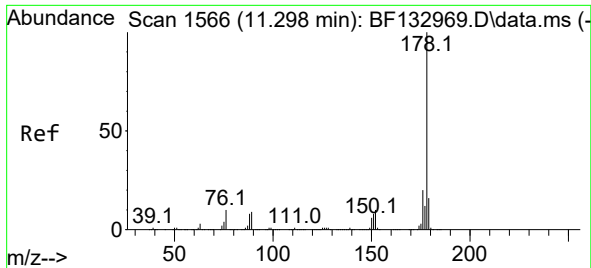
Tgt Ion:165 Resp: 57686
Ion Ratio Lower Upper
165 100
63 1.6 37.7 56.5#
89 1.3 57.0 85.4#
182 0.8 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:188 Resp: 680852
Ion Ratio Lower Upper
188 100
94 9.5 9.7 14.5#
80 10.1 10.4 15.6#

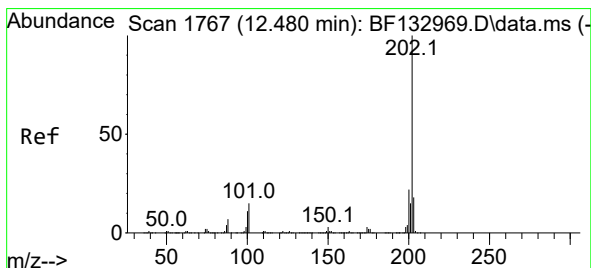
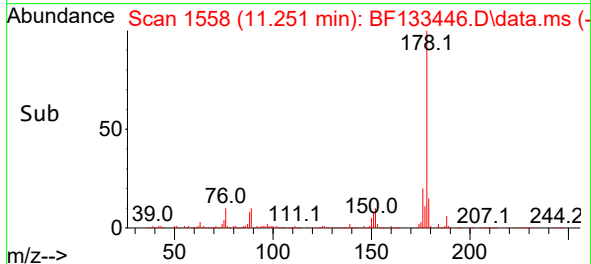
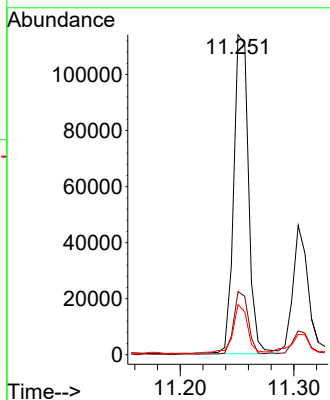
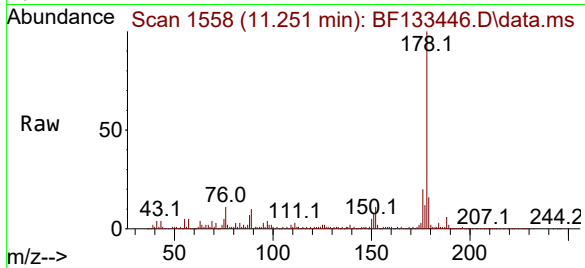




#71
Phenanthrene
Concen: 2.819 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

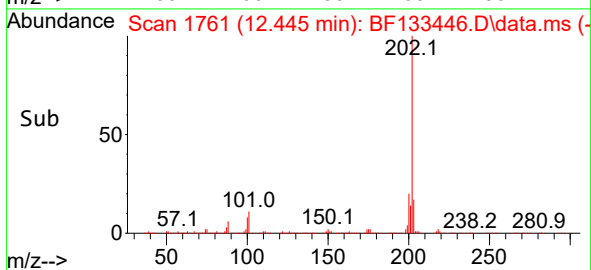
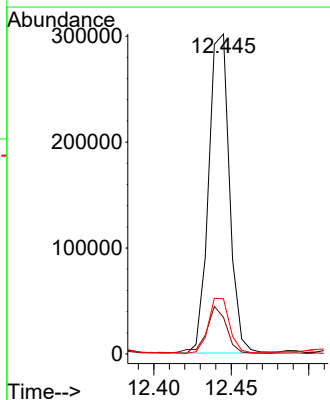
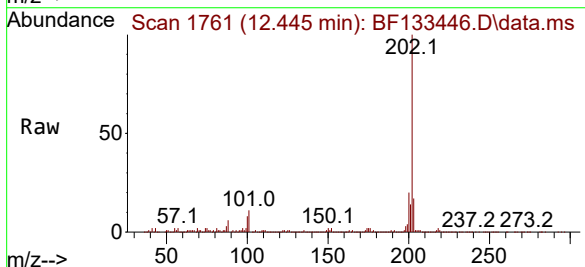
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

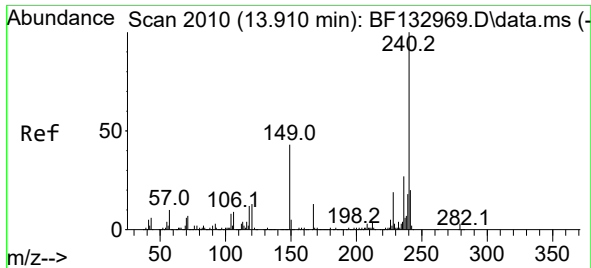
Tgt Ion:178 Resp: 103172
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.7 12.5 18.7



#75
Fluoranthene
Concen: 7.674 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:202 Resp: 281849
Ion Ratio Lower Upper
202 100
101 11.4 0.0 35.3
203 17.2 0.0 38.1

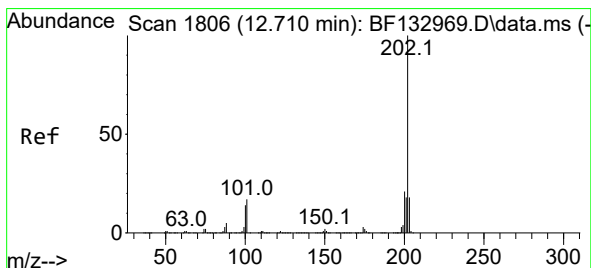
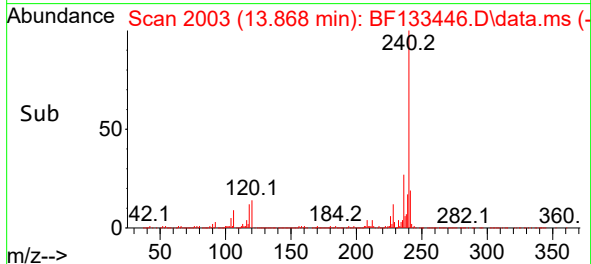
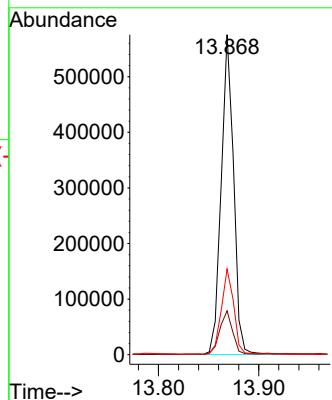
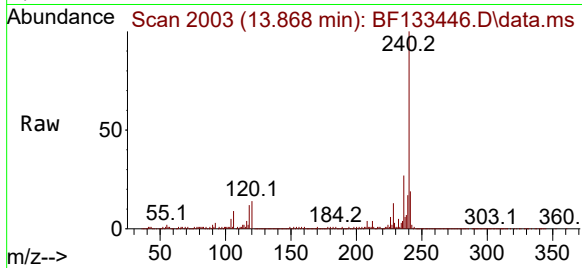




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

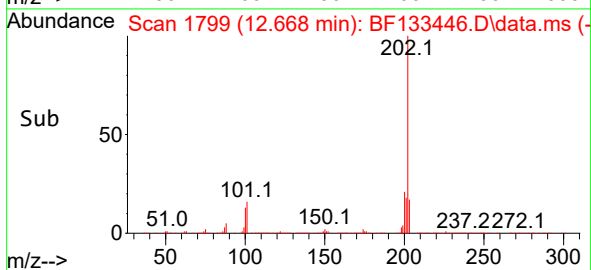
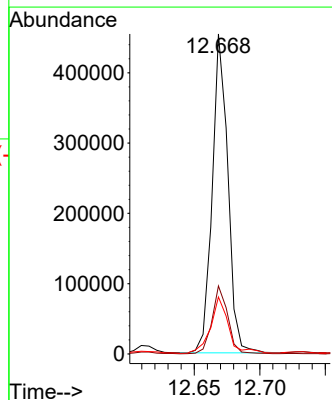
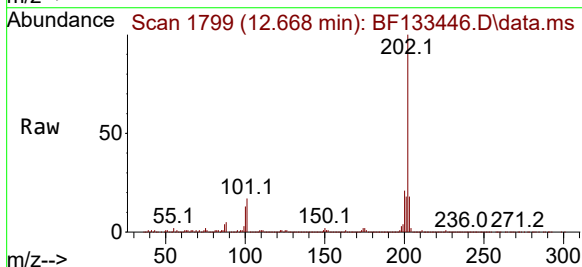
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

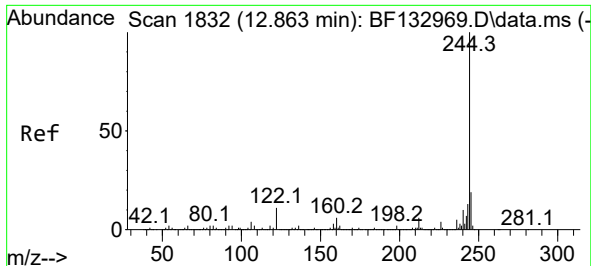
Tgt Ion:240 Resp: 492187
Ion Ratio Lower Upper
240 100
120 13.7 10.5 15.7
236 26.8 21.5 32.3



#78
Pyrene
Concen: 8.900 ng
RT: 12.668 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:202 Resp: 375505
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.8 14.1 21.1

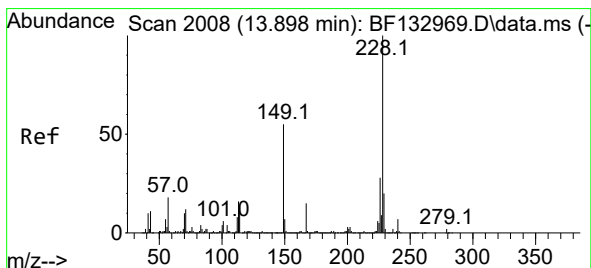
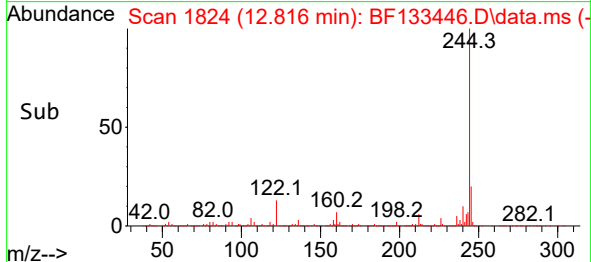
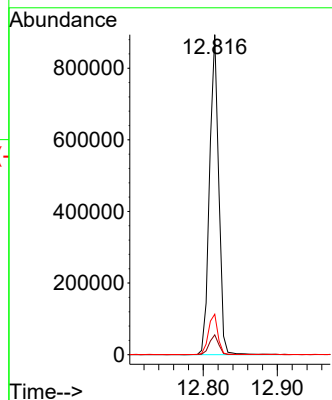
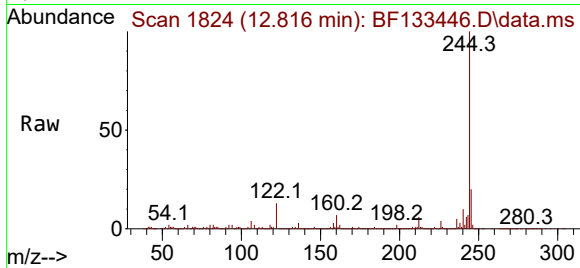




#79
 Terphenyl-d14
 Concen: 26.925 ng
 RT: 12.816 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133446.D
 Acq: 18 May 2023 19:13

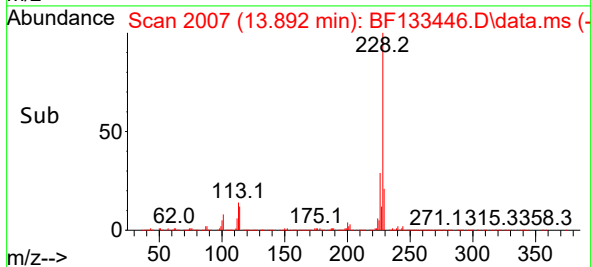
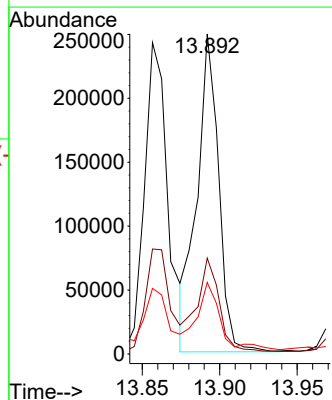
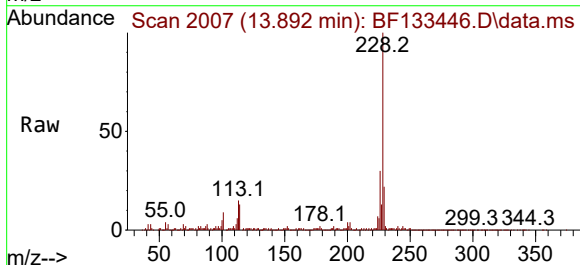
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-051723

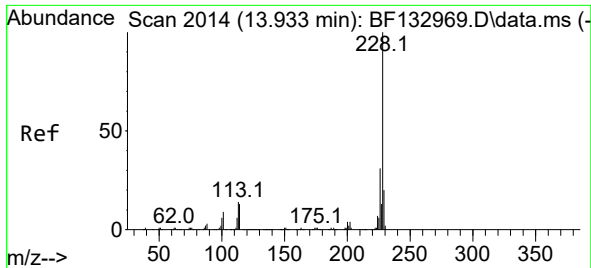
Tgt Ion:244 Resp: 768381
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 12.6 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 7.143 ng
 RT: 13.892 min Scan# 2007
 Delta R.T. 0.023 min
 Lab File: BF133446.D
 Acq: 18 May 2023 19:13

Tgt Ion:228 Resp: 241755
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.2 33.4
 229 22.3 16.0 24.0

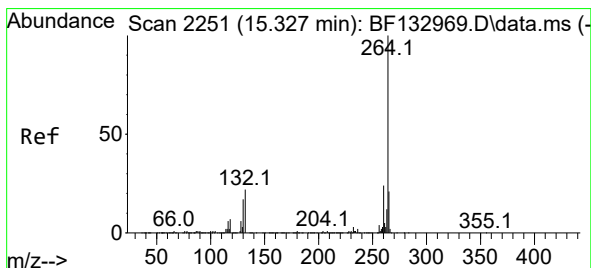
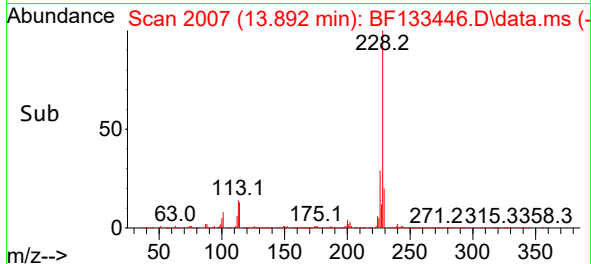
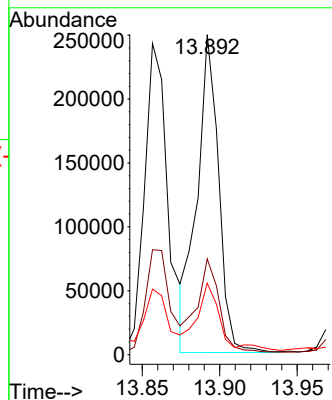
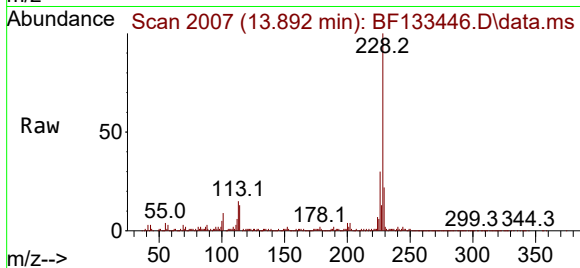




#83
Chrysene
Concen: 7.145 ng
RT: 13.892 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

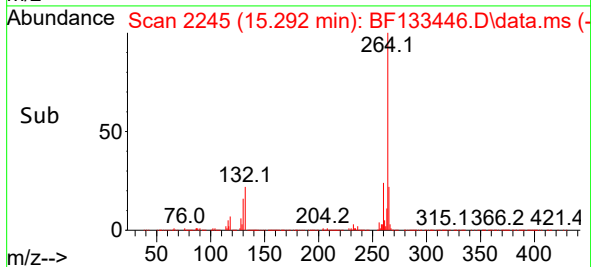
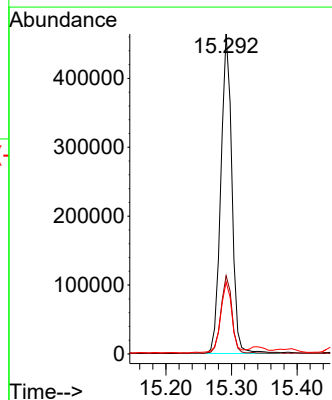
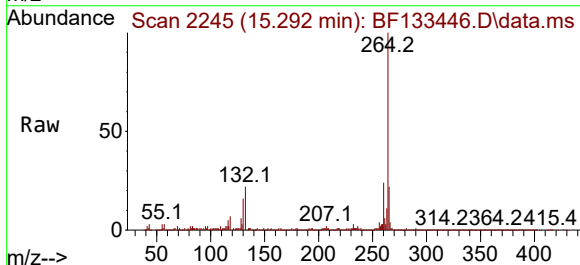
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

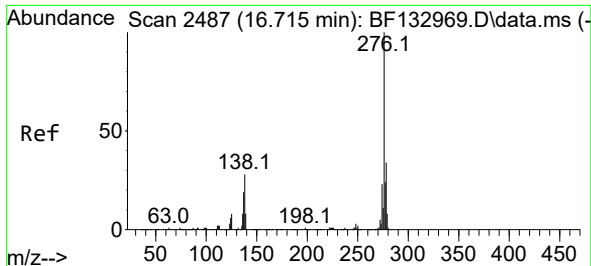
Tgt Ion:228 Resp: 241755
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:264 Resp: 542709
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.4 17.0 25.4

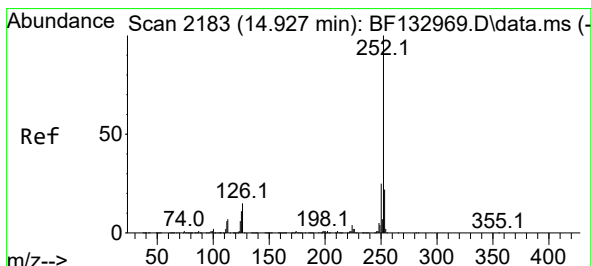
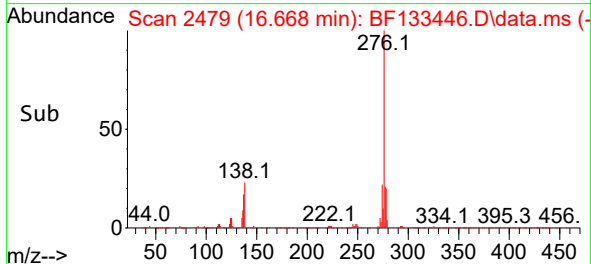
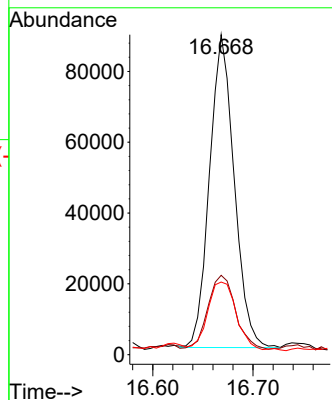
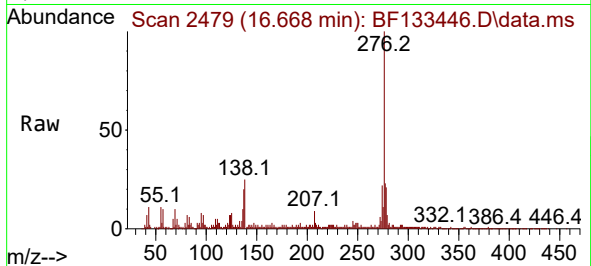




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.887 ng
 RT: 16.668 min Scan# 2487
 Delta R.T. -0.018 min
 Lab File: BF133446.D
 Acq: 18 May 2023 19:13

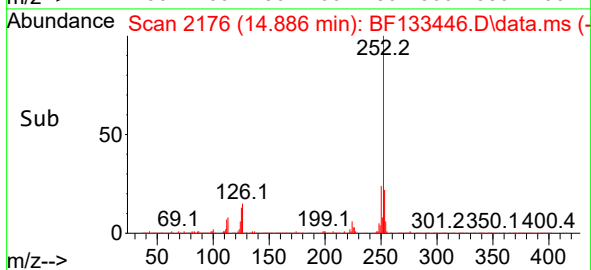
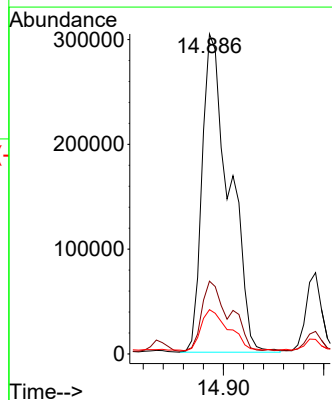
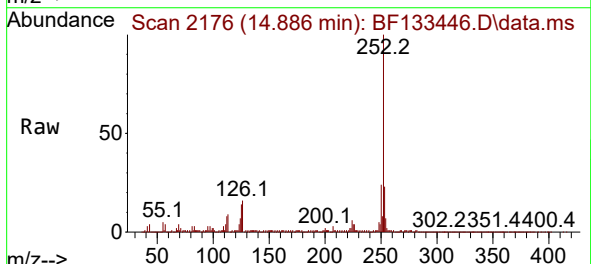
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-051723

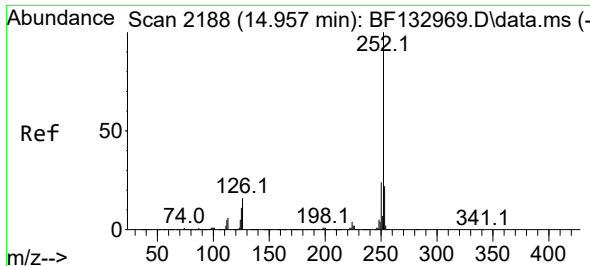
Tgt Ion:276 Resp: 150850
 Ion Ratio Lower Upper
 276 100
 138 26.4 25.5 38.3
 277 25.9 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 16.675 ng
 RT: 14.886 min Scan# 2176
 Delta R.T. -0.006 min
 Lab File: BF133446.D
 Acq: 18 May 2023 19:13

Tgt Ion:252 Resp: 575747
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.6 26.4
 125 13.8 8.9 13.3#

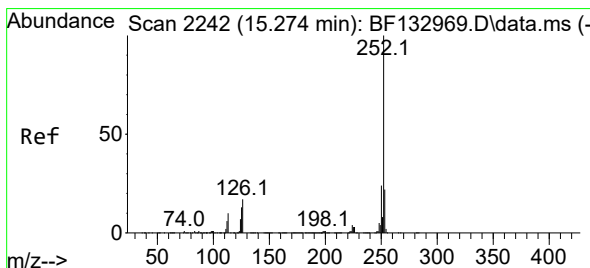
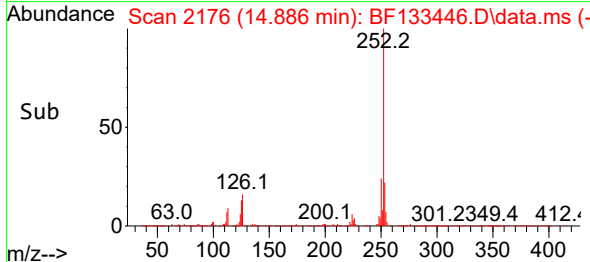
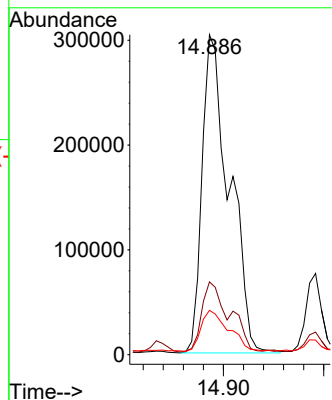
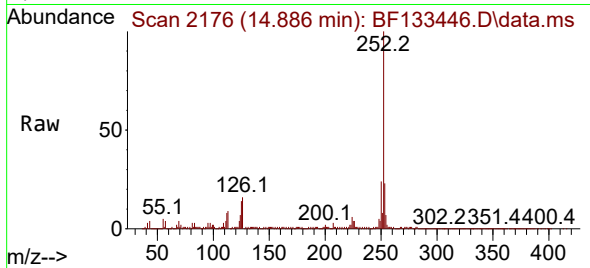




#89
Benzo(k)fluoranthene
Concen: 16.822 ng
RT: 14.886 min Scan# 2188
Delta R.T. -0.035 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

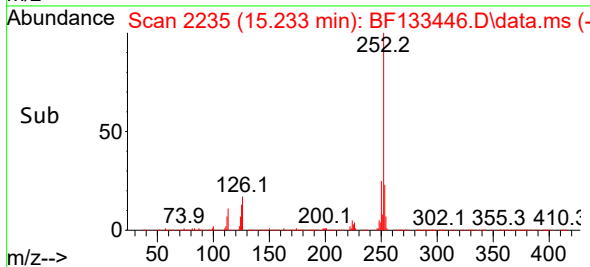
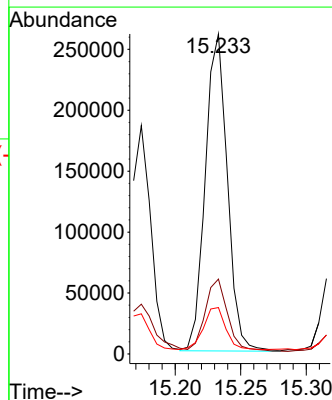
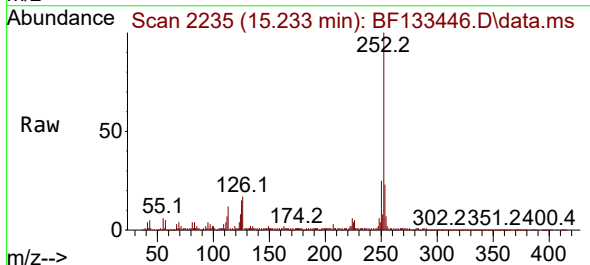
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

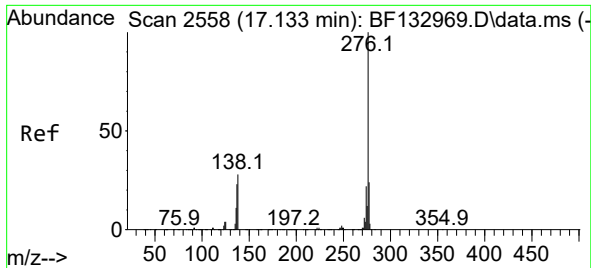
Tgt Ion:252 Resp: 575747
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 13.8 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 9.712 ng
RT: 15.233 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

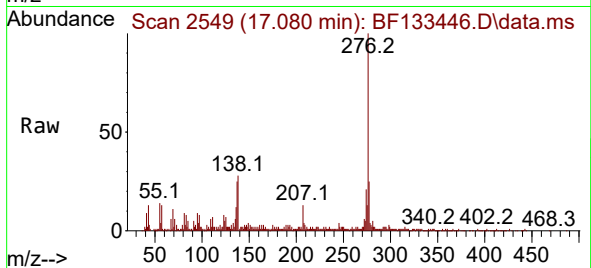
Tgt Ion:252 Resp: 305227
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 14.5 10.5 15.7





#92
Benzo(g,h,i)perylene
Concen: 5.511 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Instrument :
BNA_F
ClientSampleId :
HD-01-051723



Tgt Ion:276 Resp: 140092
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.0
138 27.7 22.7 34.1

