

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133447.D
 Acq On : 18 May 2023 19:43
 Operator : CG\JU
 Sample : 02823-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051723

Quant Time: May 19 03:21:25 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)

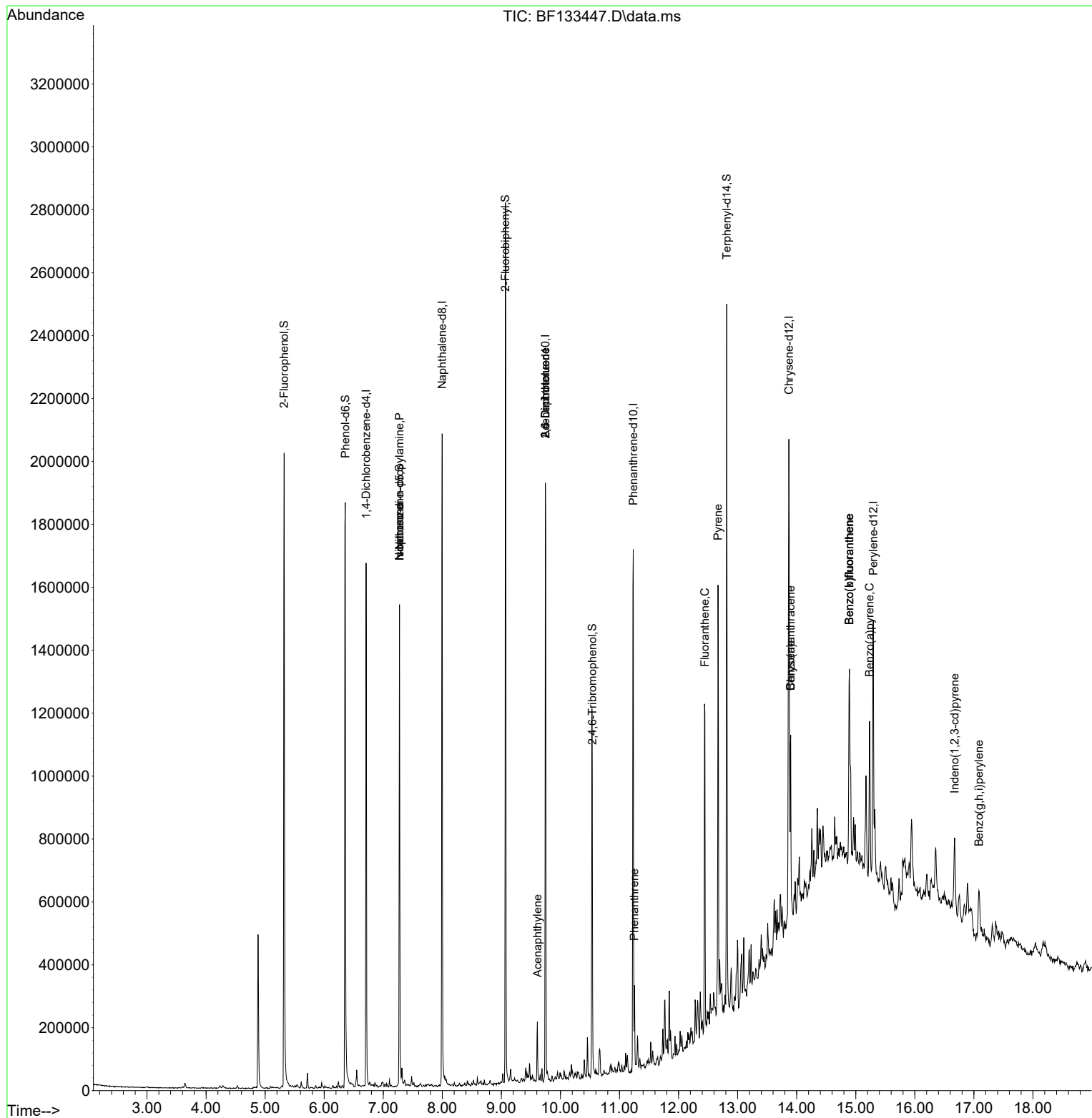
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	235472	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	903540	20.000	ng	0.00
39) Acenaphthene-d10	9.745	164	399015	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	638325	20.000	ng	# 0.00
76) Chrysene-d12	13.868	240	441234	20.000	ng	-0.01
86) Perylene-d12	15.298	264	381273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	615123	39.462	ng	0.00
7) Phenol-d6	6.357	99	702981	36.334	ng	-0.01
23) Nitrobenzene-d5	7.275	82	422801	25.258	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	138063	34.405	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	819221	34.348	ng	-0.01
79) Terphenyl-d14	12.816	244	698236	27.292	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	352	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.275	70	52749	4.379	ng	# 79
25) Isophorone	7.275	82	423927	13.338	ng	# 63
49) Acenaphthylene	9.610	152	78432	2.120	ng	97
51) 2,6-Dinitrotoluene	9.745	165	50738	8.102	ng	# 25
57) 2,4-Dinitrotoluene	9.745	165	50738	6.353	ng	# 23
71) Phenanthrene	11.251	178	97258	2.835	ng	97
75) Fluoranthene	12.445	202	426507	12.387	ng	96
78) Pyrene	12.669	202	510009	13.484	ng	100
81) Benzo(a)anthracene	13.898	228	259323	8.547	ng	94
83) Chrysene	13.898	228	259323	8.549	ng	97
87) Indeno(1,2,3-cd)pyrene	16.674	276	136798	6.308	ng	93
88) Benzo(b)fluoranthene	14.892	252	440702	18.169	ng	# 97
89) Benzo(k)fluoranthene	14.892	252	440702	18.328	ng	# 97
90) Benzo(a)pyrene	15.233	252	218797	9.910	ng	96
92) Benzo(g,h,i)perylene	17.086	276	121342	6.795	ng	96

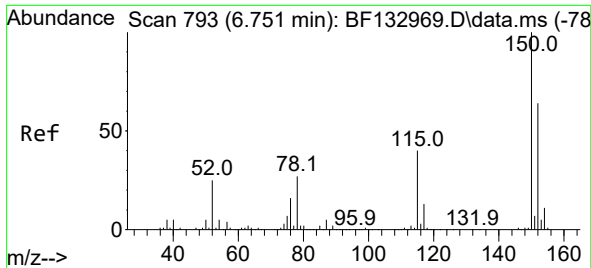
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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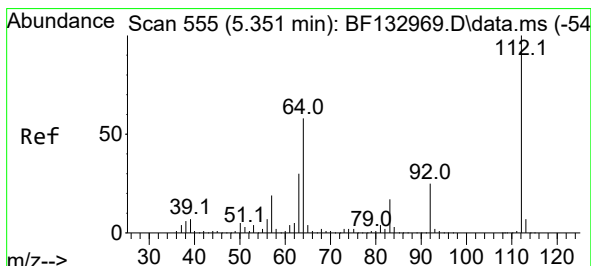
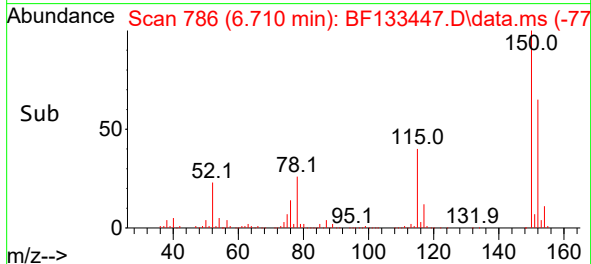
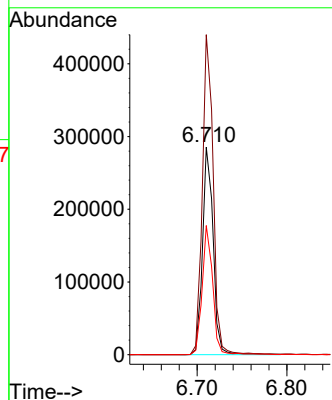
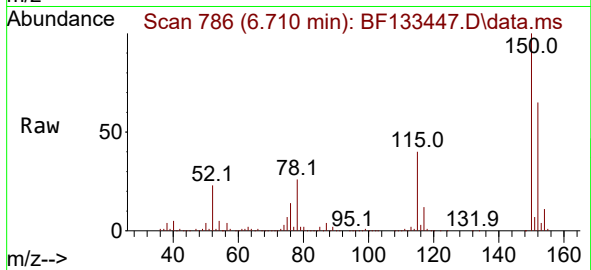




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

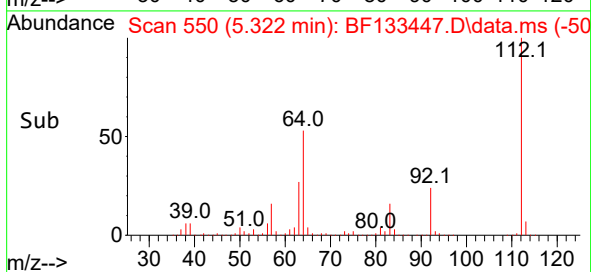
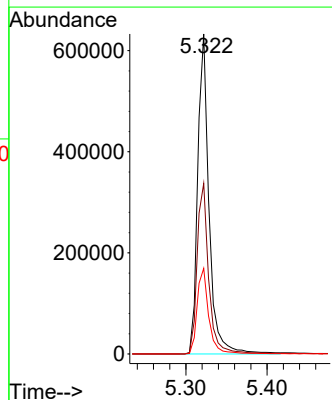
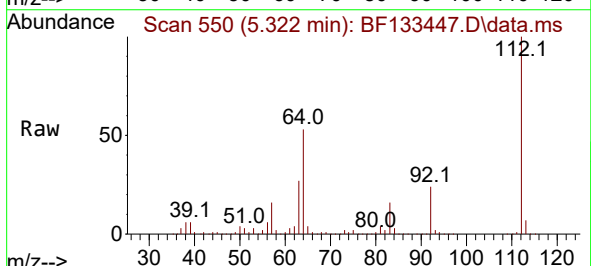
Instrument :
BNA_F
ClientSampleId :
HD-02-051723

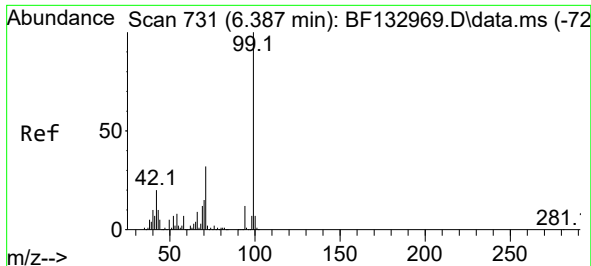
Tgt Ion:152 Resp: 235472
Ion Ratio Lower Upper
152 100
150 154.2 124.8 187.2
115 62.2 49.9 74.9



#5
2-Fluorophenol
Concen: 39.462 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion:112 Resp: 615123
Ion Ratio Lower Upper
112 100
64 53.3 46.8 70.2
63 26.8 23.8 35.8

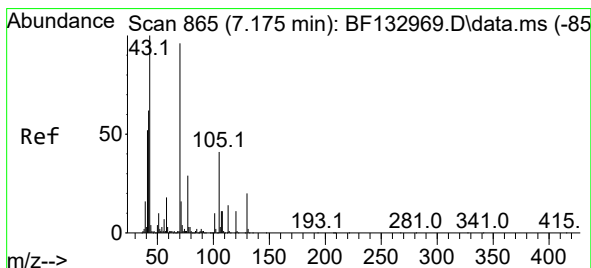
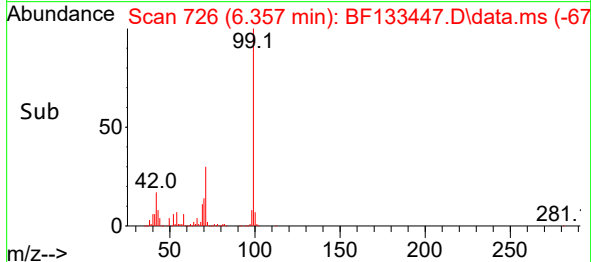
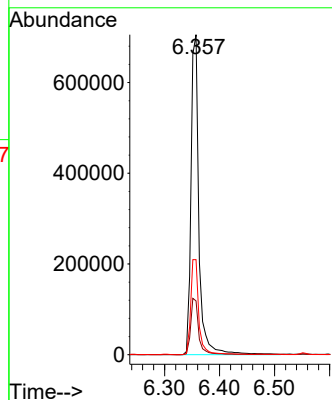
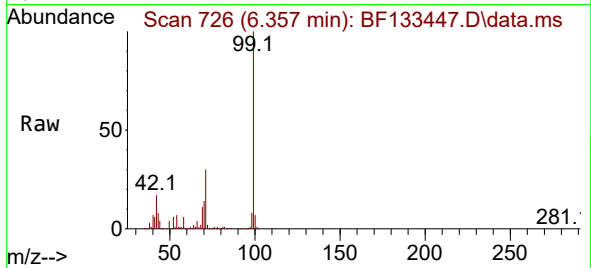




#7
Phenol-d6
Concen: 36.334 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

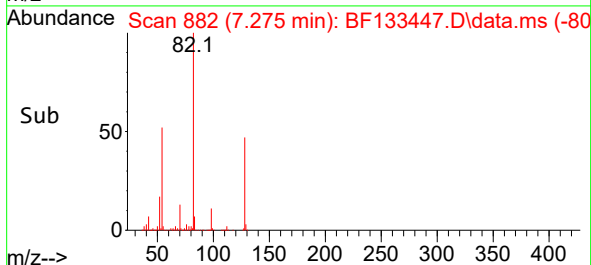
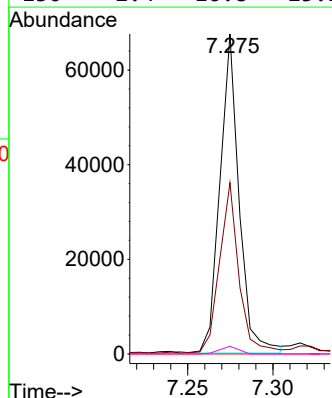
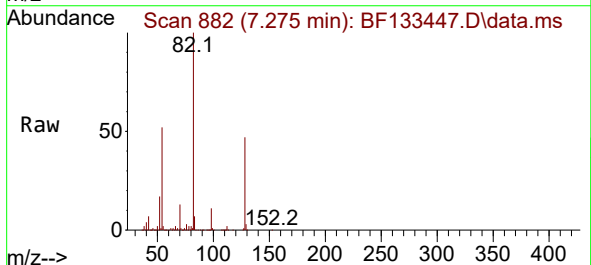
Instrument :
BNA_F
ClientSampleId :
HD-02-051723

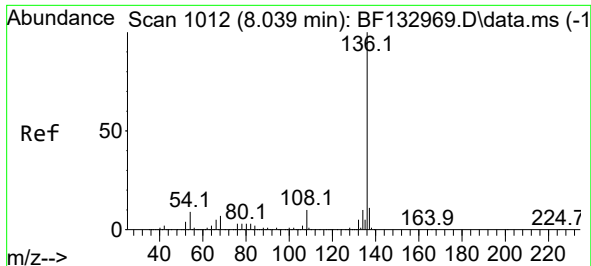
Tgt Ion: 99 Resp: 702981
Ion Ratio Lower Upper
99 100
42 16.8 16.3 24.5
71 29.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.379 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.135 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion: 70 Resp: 52749
Ion Ratio Lower Upper
70 100
42 53.5 51.8 77.6
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#

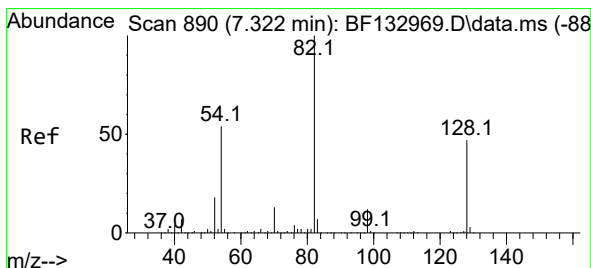
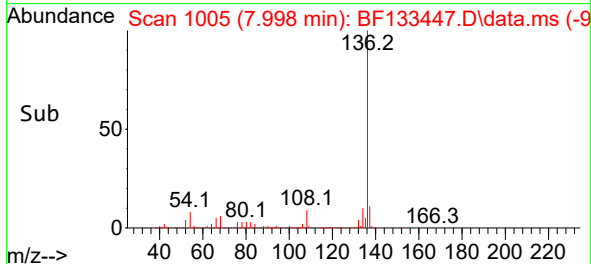
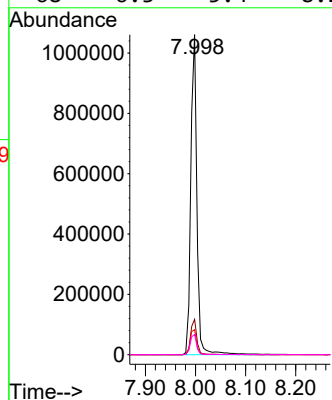
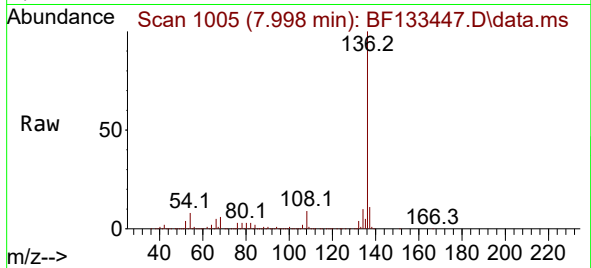




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

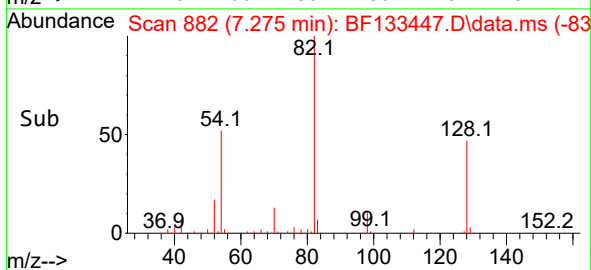
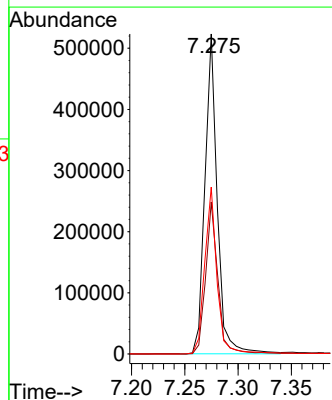
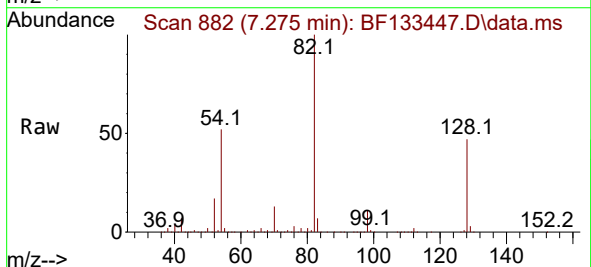
Instrument :
BNA_F
ClientSampleId :
HD-02-051723

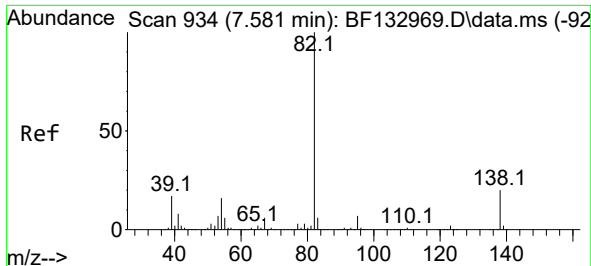
Tgt Ion:136 Resp: 903540
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.8 7.0 10.4
68 6.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 25.258 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion: 82 Resp: 422801
Ion Ratio Lower Upper
82 100
128 47.5 37.7 56.5
54 52.2 43.0 64.4

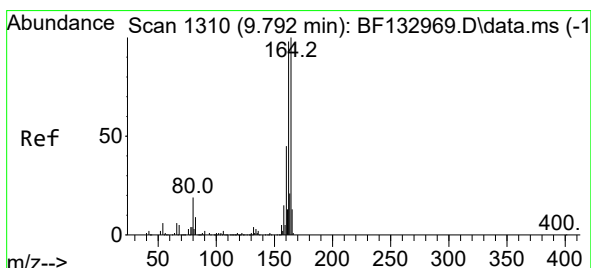
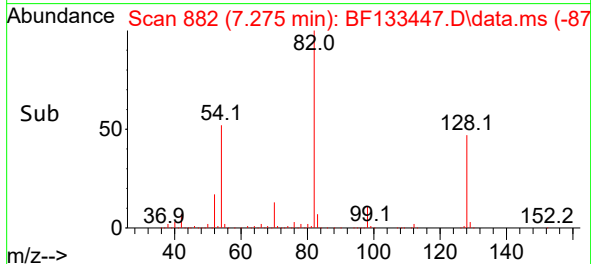
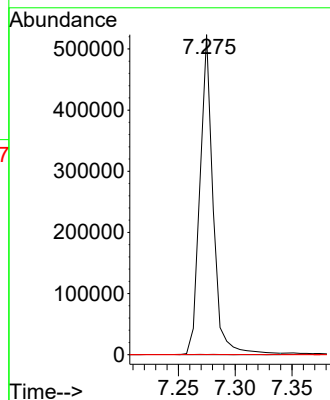
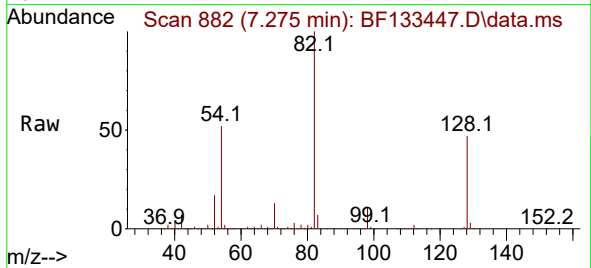




#25
Isophorone
Concen: 13.338 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

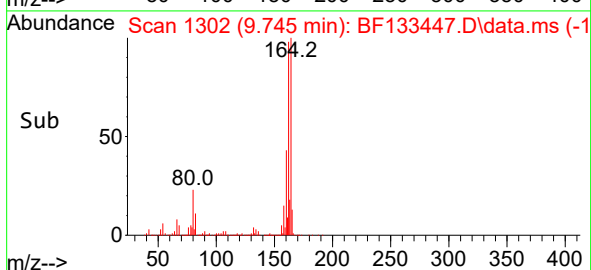
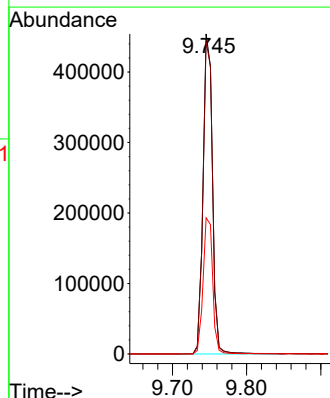
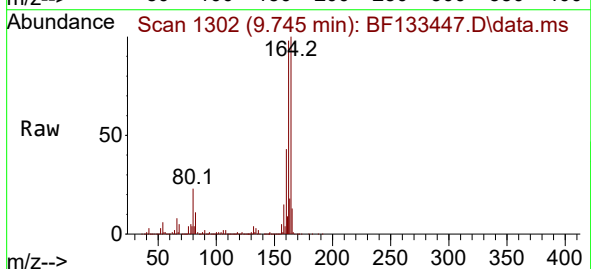
Instrument :
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ClientSampleId :
HD-02-051723

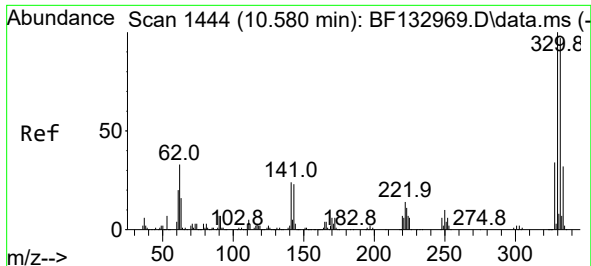
Tgt Ion: 82 Resp: 423927
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.012 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion:164 Resp: 399015
Ion Ratio Lower Upper
164 100
162 97.8 78.7 118.1
160 42.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 34.405 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133447.D

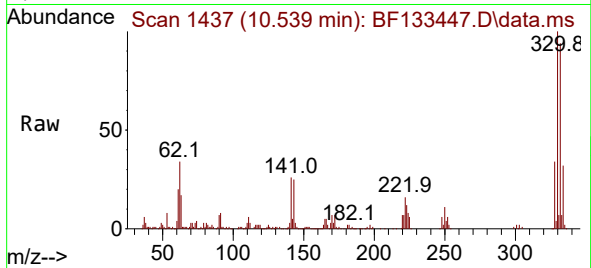
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Instrument :

BNA_F

ClientSampleId :

HD-02-051723



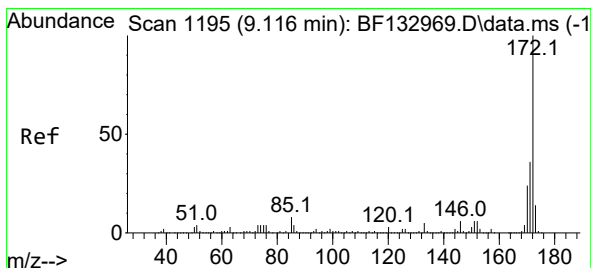
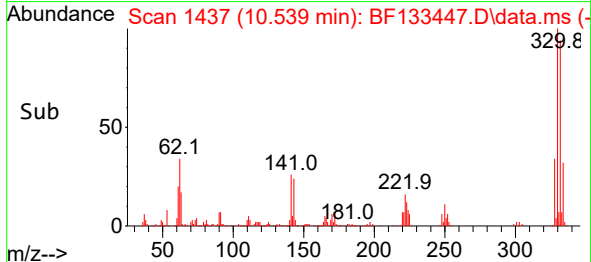
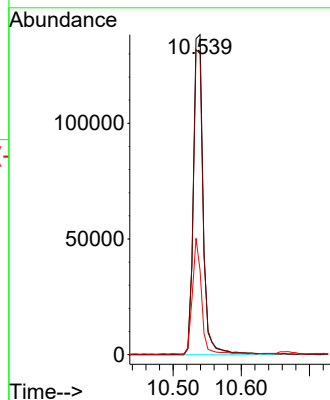
Tgt Ion:330 Resp: 138063

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 33.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 34.348 ng

RT: 9.069 min Scan# 1187

Delta R.T. -0.012 min

Lab File: BF133447.D

Acq: 18 May 2023 19:43

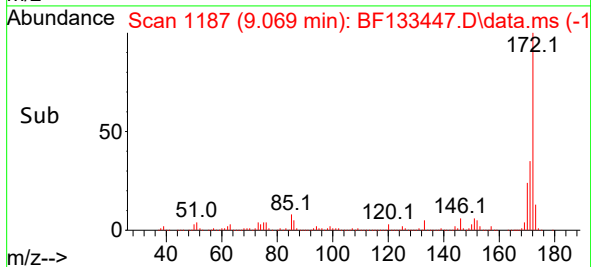
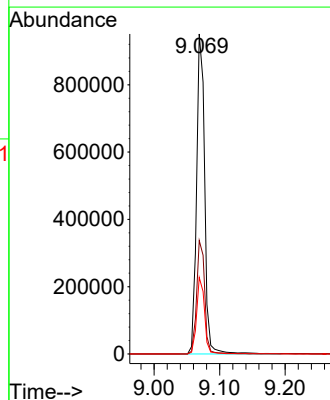
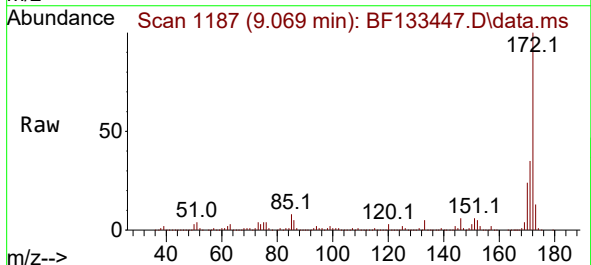
Tgt Ion:172 Resp: 819221

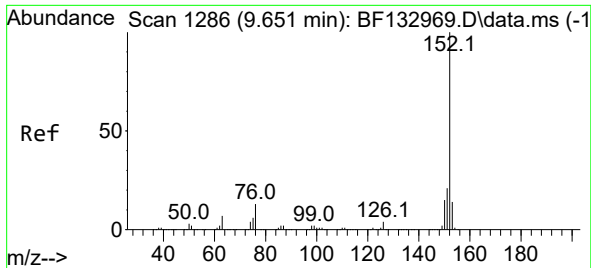
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.9 19.4 29.2

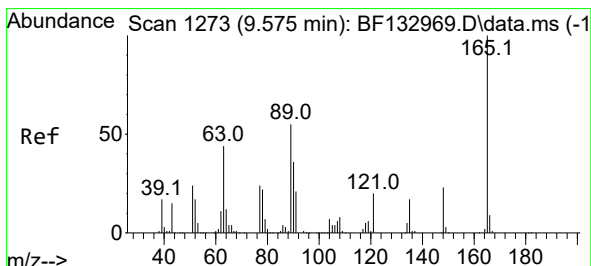
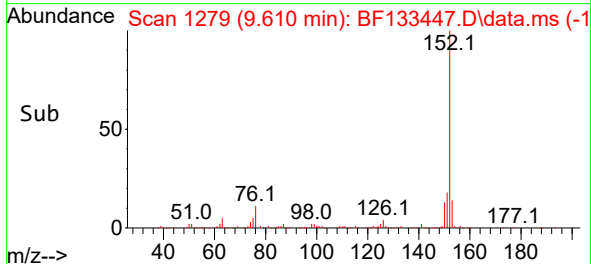
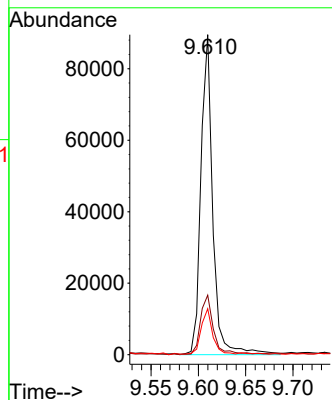
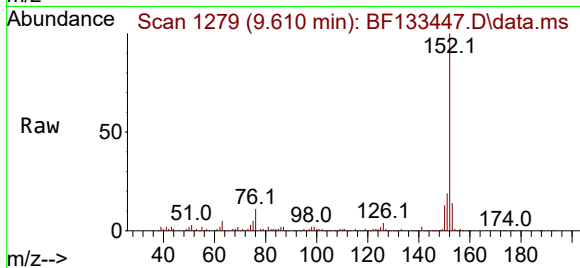




#49
Acenaphthylene
Concen: 2.120 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

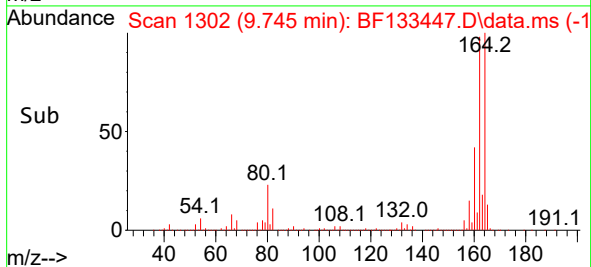
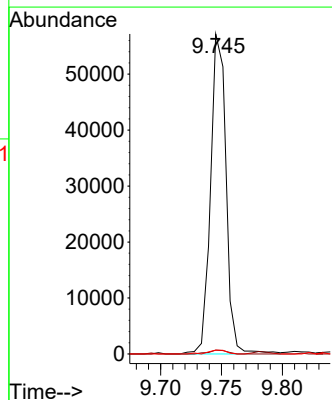
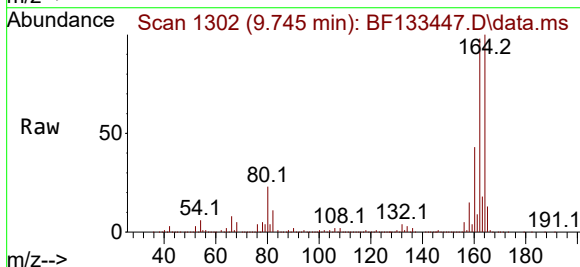
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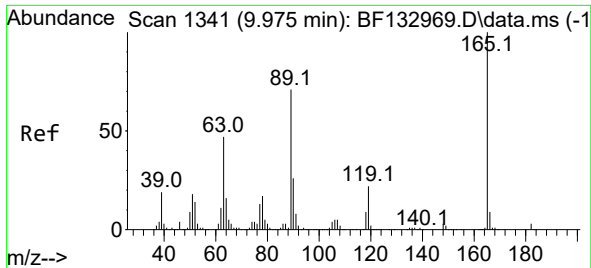
Tgt Ion:152 Resp: 78432
Ion Ratio Lower Upper
152 100
151 18.6 16.6 24.8
153 14.4 11.5 17.3



#51
2,6-Dinitrotoluene
Concen: 8.102 ng
RT: 9.745 min Scan# 1302
Delta R.T. 0.200 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion:165 Resp: 50738
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.2 44.0 66.0#

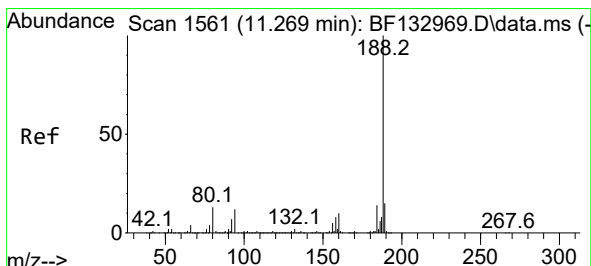
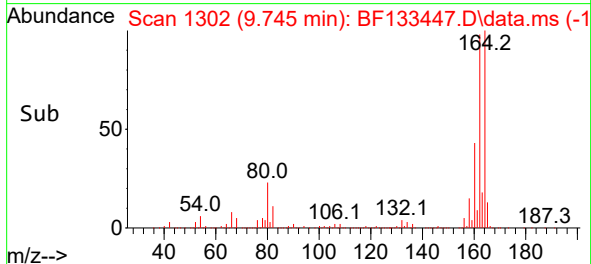
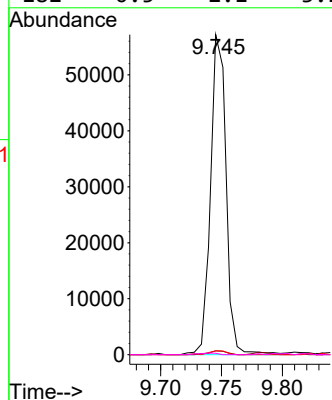
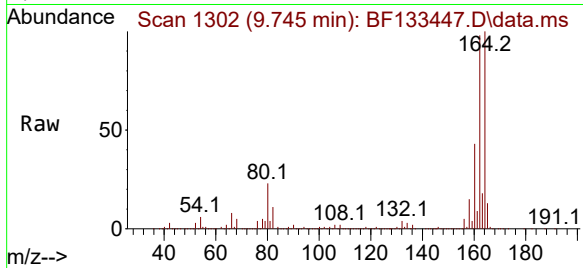




#57
2,4-Dinitrotoluene
Concen: 6.353 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

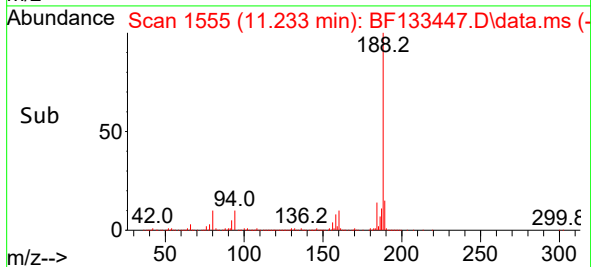
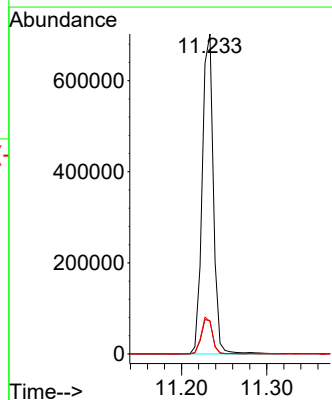
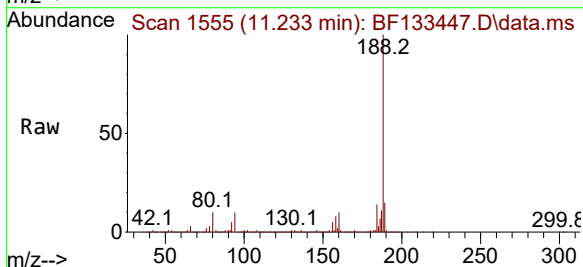
Instrument :
BNA_F
ClientSampleId :
HD-02-051723

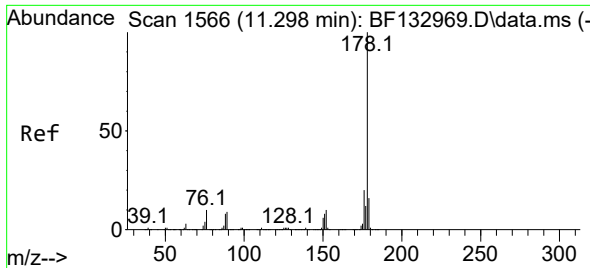
Tgt Ion:165 Resp: 50738
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.2 57.0 85.4#
182 0.5 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion:188 Resp: 638325
Ion Ratio Lower Upper
188 100
94 10.3 9.7 14.5
80 10.2 10.4 15.6#

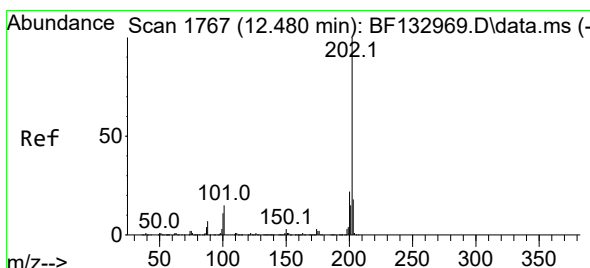
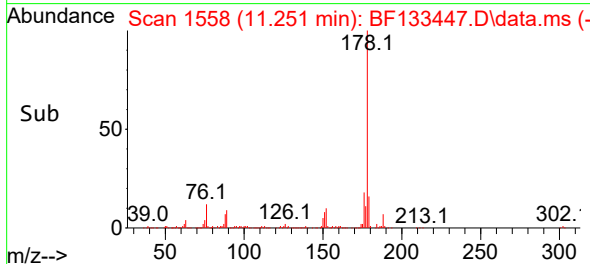
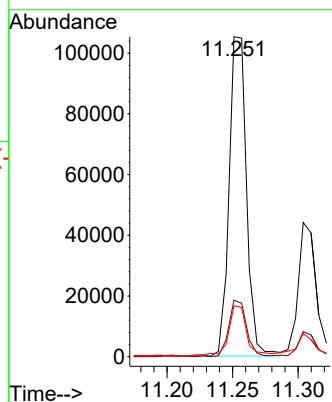
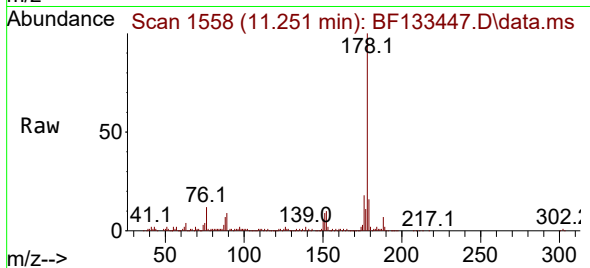




#71
Phenanthrene
Concen: 2.835 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

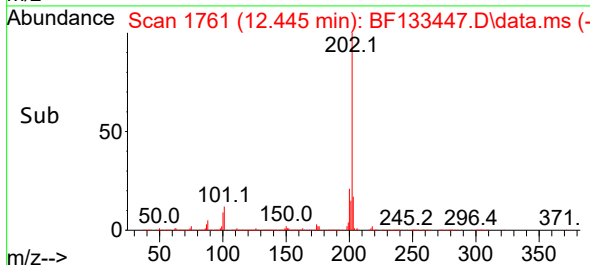
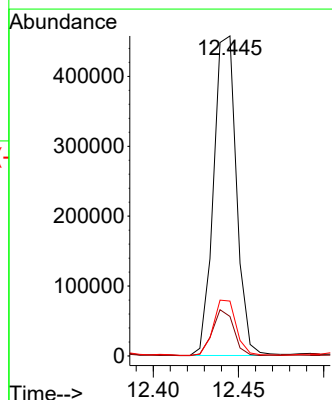
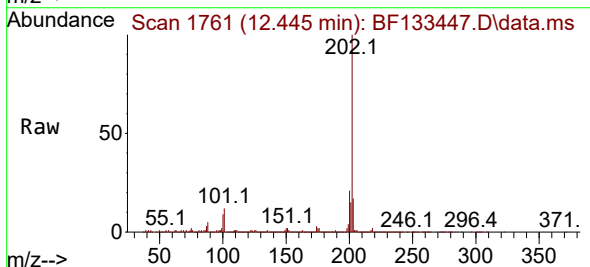
Instrument :
BNA_F
ClientSampleId :
HD-02-051723

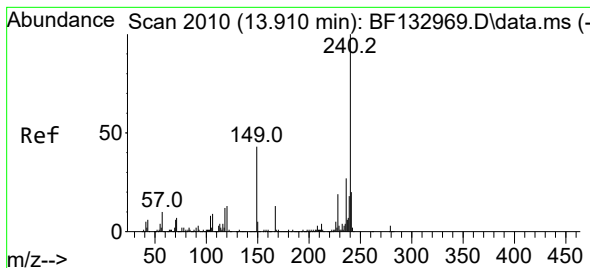
Tgt Ion:178 Resp: 97258
Ion Ratio Lower Upper
178 100
176 17.6 15.9 23.9
179 15.9 12.5 18.7



#75
Fluoranthene
Concen: 12.387 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion:202 Resp: 426507
Ion Ratio Lower Upper
202 100
101 12.4 0.0 35.3
203 17.1 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: BF133447.D

Acq: 18 May 2023 19:43

Instrument :

BNA_F

ClientSampleId :

HD-02-051723

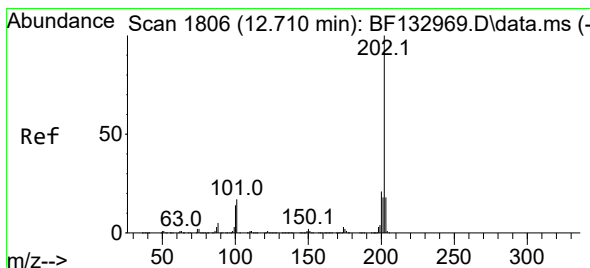
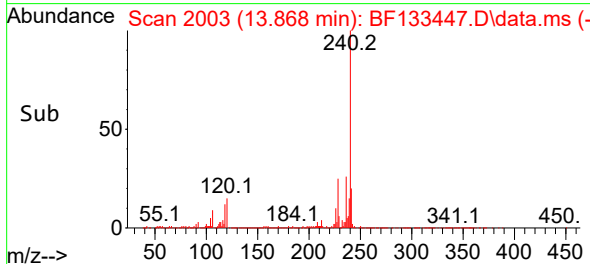
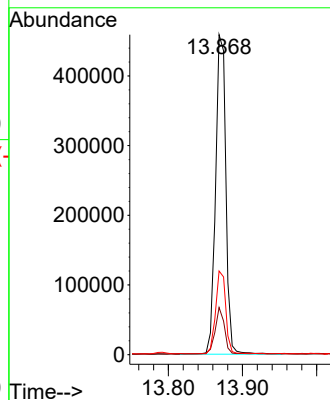
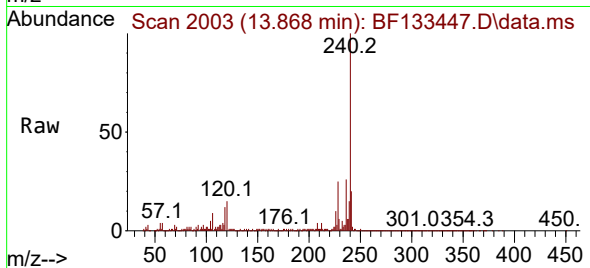
Tgt Ion:240 Resp: 441234

Ion Ratio Lower Upper

240 100

120 14.7 10.5 15.7

236 26.2 21.5 32.3



#78

Pyrene

Concen: 13.484 ng

RT: 12.669 min Scan# 1799

Delta R.T. -0.012 min

Lab File: BF133447.D

Acq: 18 May 2023 19:43

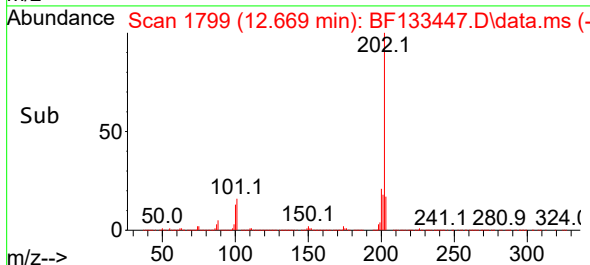
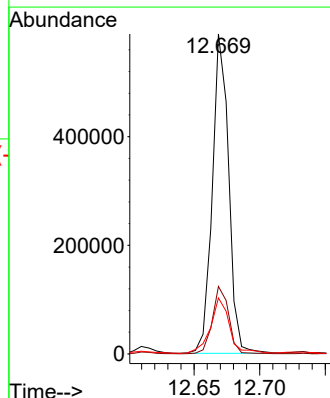
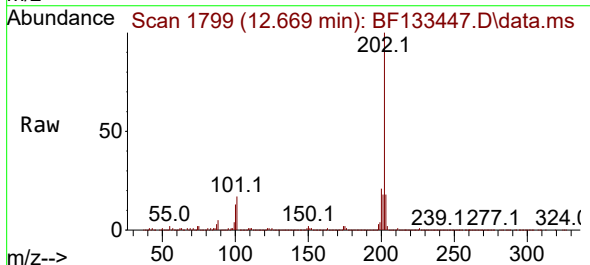
Tgt Ion:202 Resp: 510009

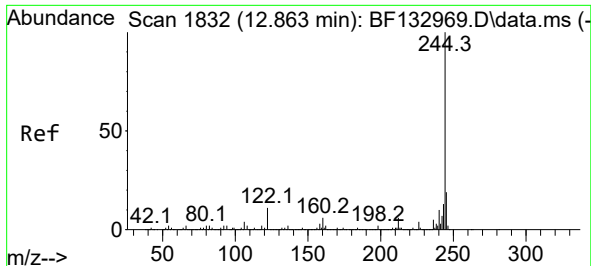
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.5 14.1 21.1

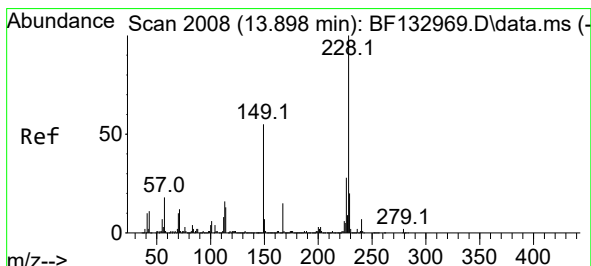
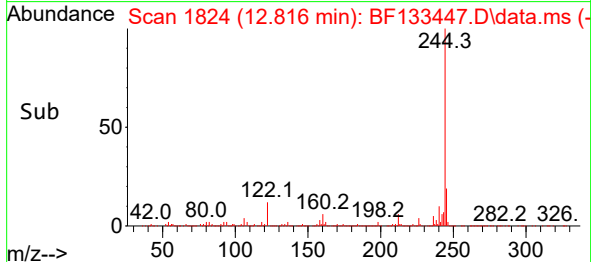
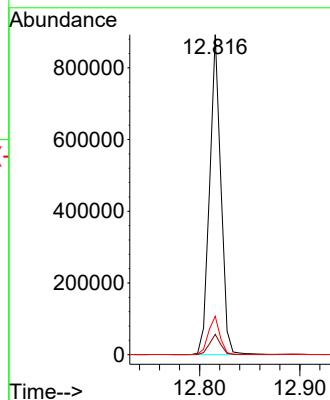
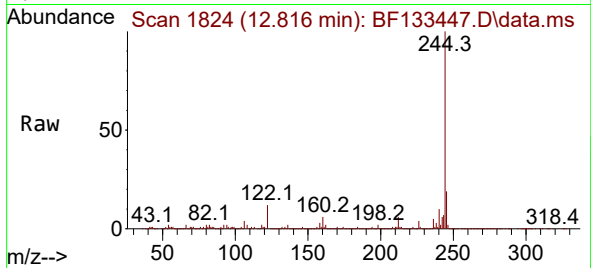




#79
 Terphenyl-d14
 Concen: 27.292 ng
 RT: 12.816 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF133447.D
 Acq: 18 May 2023 19:43

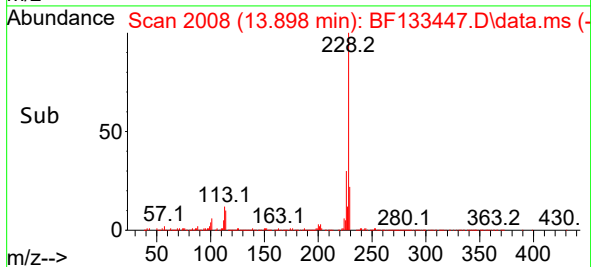
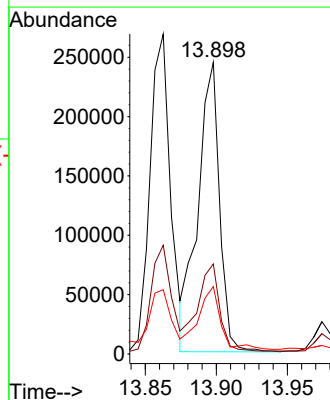
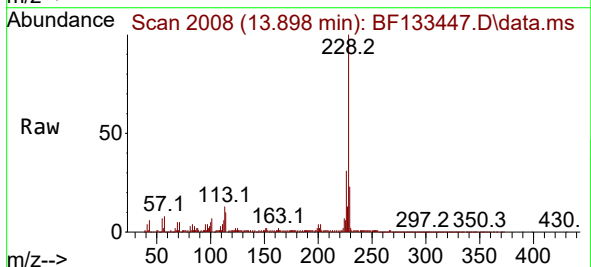
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051723

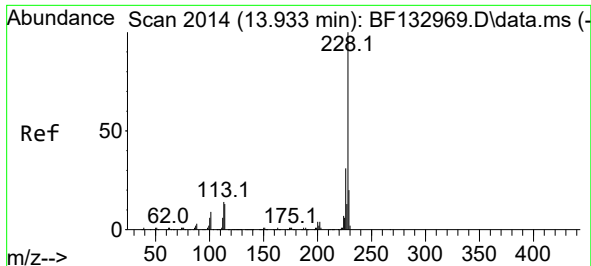
Tgt Ion:244 Resp: 698236
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.0 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 8.547 ng
 RT: 13.898 min Scan# 2008
 Delta R.T. 0.029 min
 Lab File: BF133447.D
 Acq: 18 May 2023 19:43

Tgt Ion:228 Resp: 259323
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.2 33.4
 229 23.1 16.0 24.0

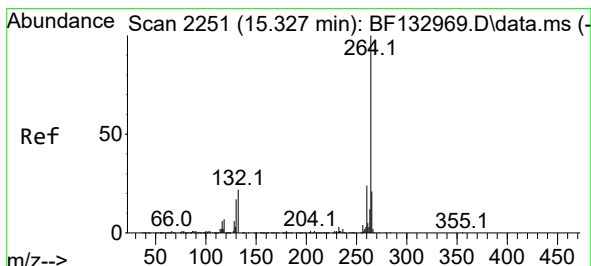
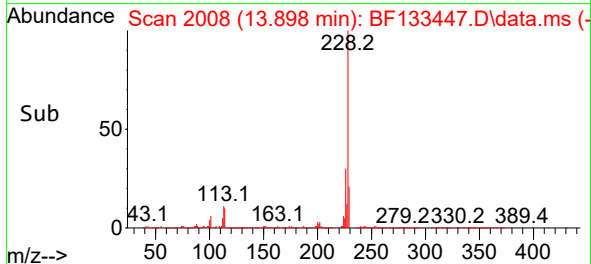
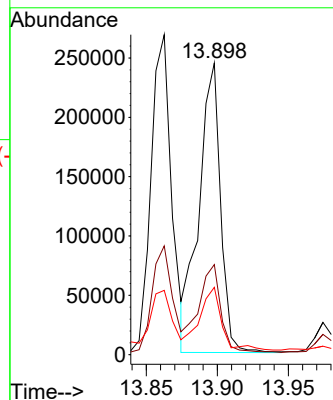
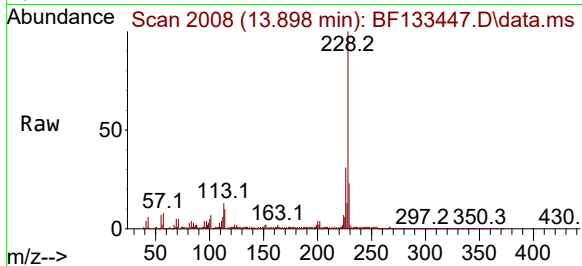




#83
Chrysene
Concen: 8.549 ng
RT: 13.898 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

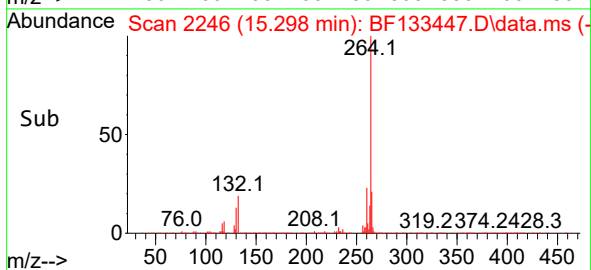
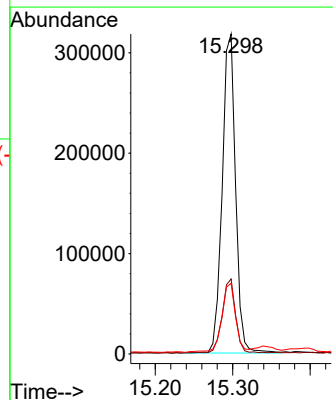
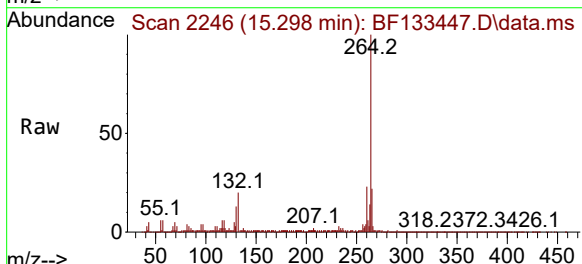
Instrument :
BNA_F
ClientSampleId :
HD-02-051723

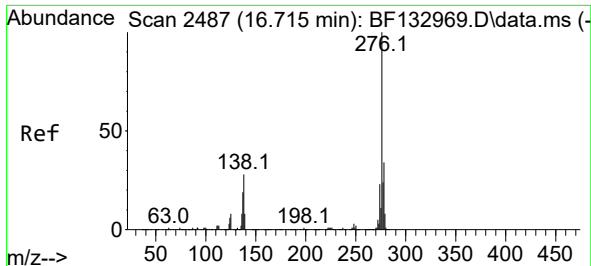
Tgt Ion:228 Resp: 259323
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 23.1 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion:264 Resp: 381273
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.1 17.0 25.4

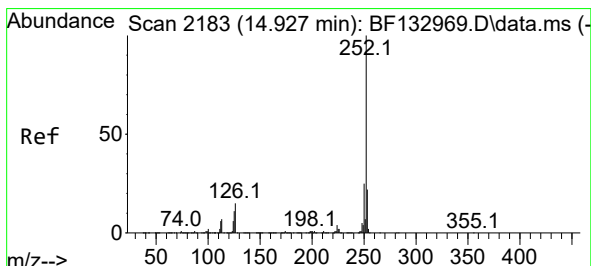
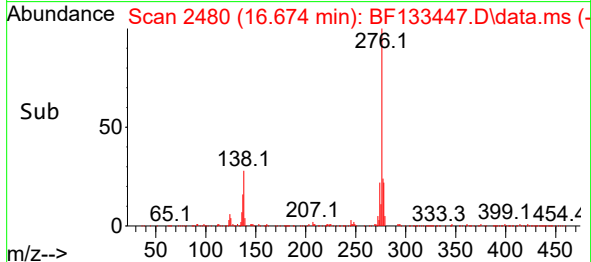
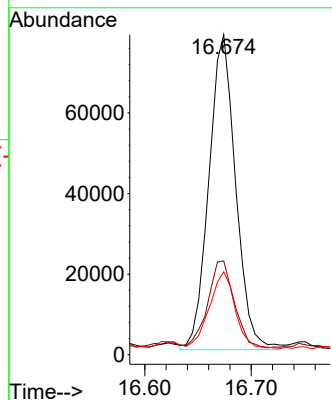
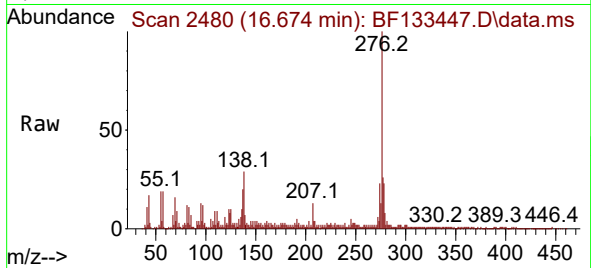




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.308 ng
RT: 16.674 min Scan# 2487
Delta R.T. -0.012 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

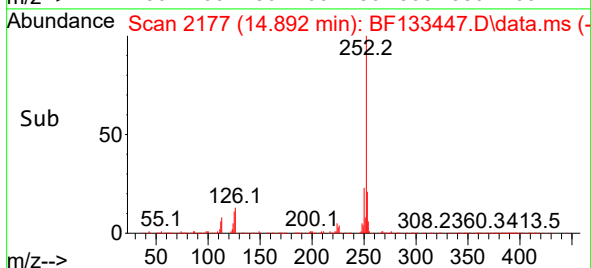
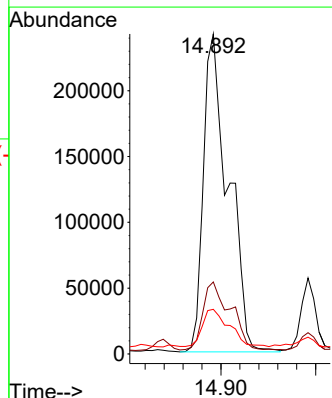
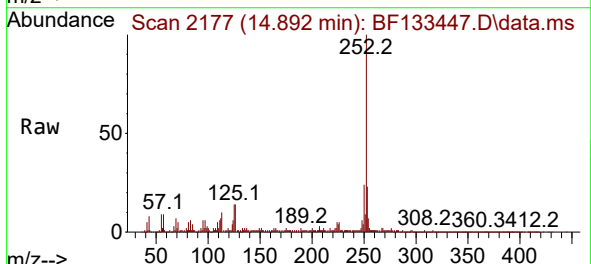
Instrument :
BNA_F
ClientSampleId :
HD-02-051723

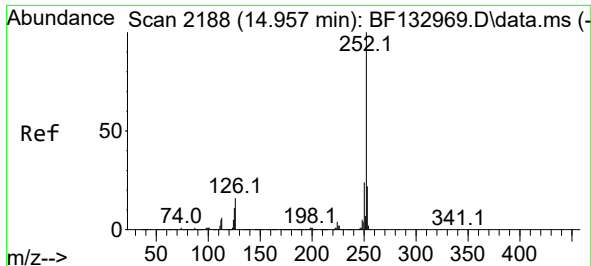
Tgt Ion:276 Resp: 136798
Ion Ratio Lower Upper
276 100
138 27.1 25.5 38.3
277 23.3 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 18.169 ng
RT: 14.892 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BF133447.D
Acq: 18 May 2023 19:43

Tgt Ion:252 Resp: 440702
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 13.9 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 18.328 ng

RT: 14.892 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133447.D

Acq: 18 May 2023 19:43

Instrument :

BNA_F

ClientSampleId :

HD-02-051723

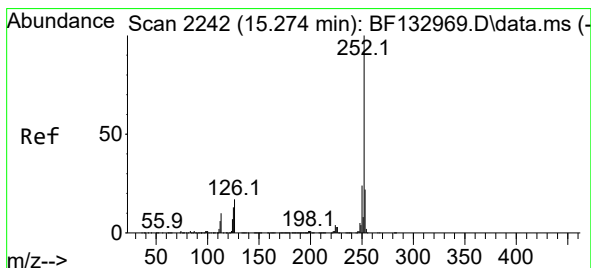
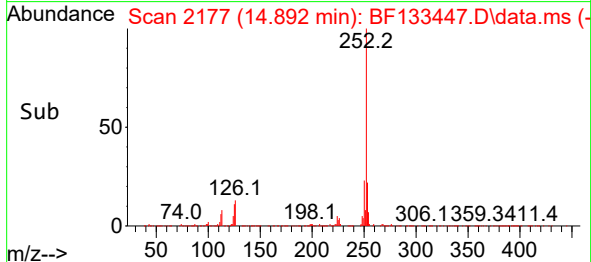
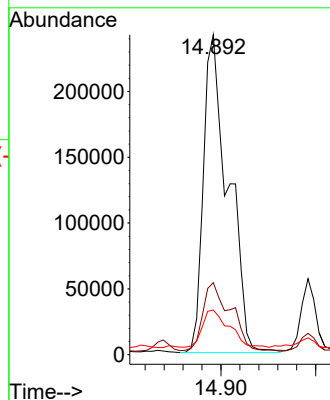
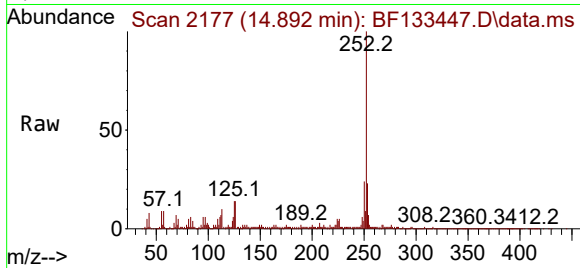
Tgt Ion:252 Resp: 440702

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 13.9 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 9.910 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF133447.D

Acq: 18 May 2023 19:43

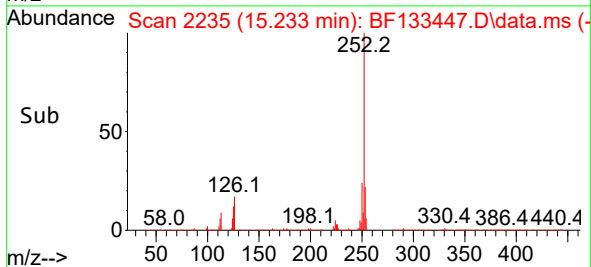
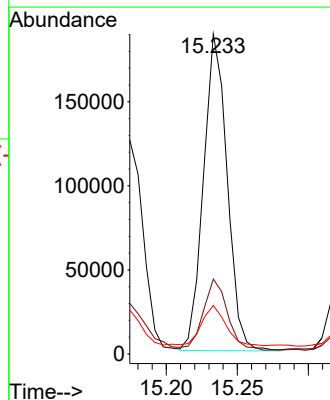
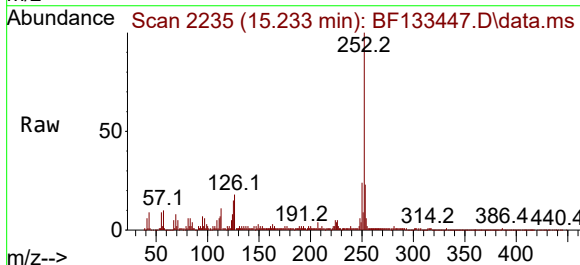
Tgt Ion:252 Resp: 218797

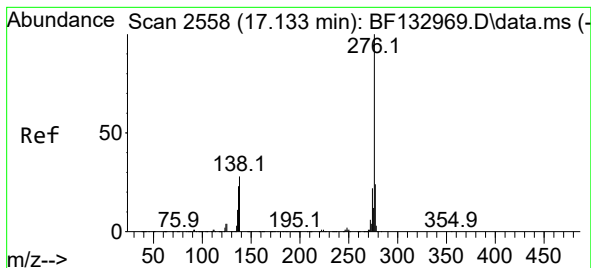
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 15.2 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 6.795 ng

RT: 17.086 min Scan# 2

Delta R.T. -0.018 min

Lab File: BF133447.D

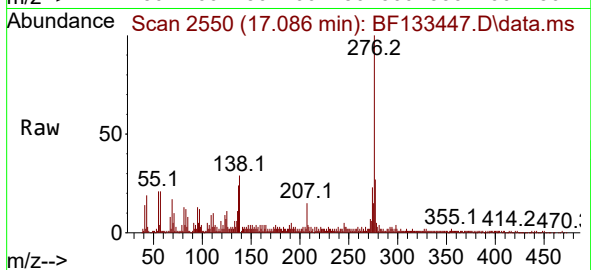
Acq: 18 May 2023 19:43

Instrument :

BNA_F

ClientSampleId :

HD-02-051723



Tgt Ion:276 Resp: 121342

Ion Ratio Lower Upper

276 100

277 27.4 19.4 29.0

138 29.4 22.7 34.1

