

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133378.D
 Acq On : 12 May 2023 19:56
 Operator : CG\JU
 Sample : 02760-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-051123

Quant Time: May 12 23:36:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

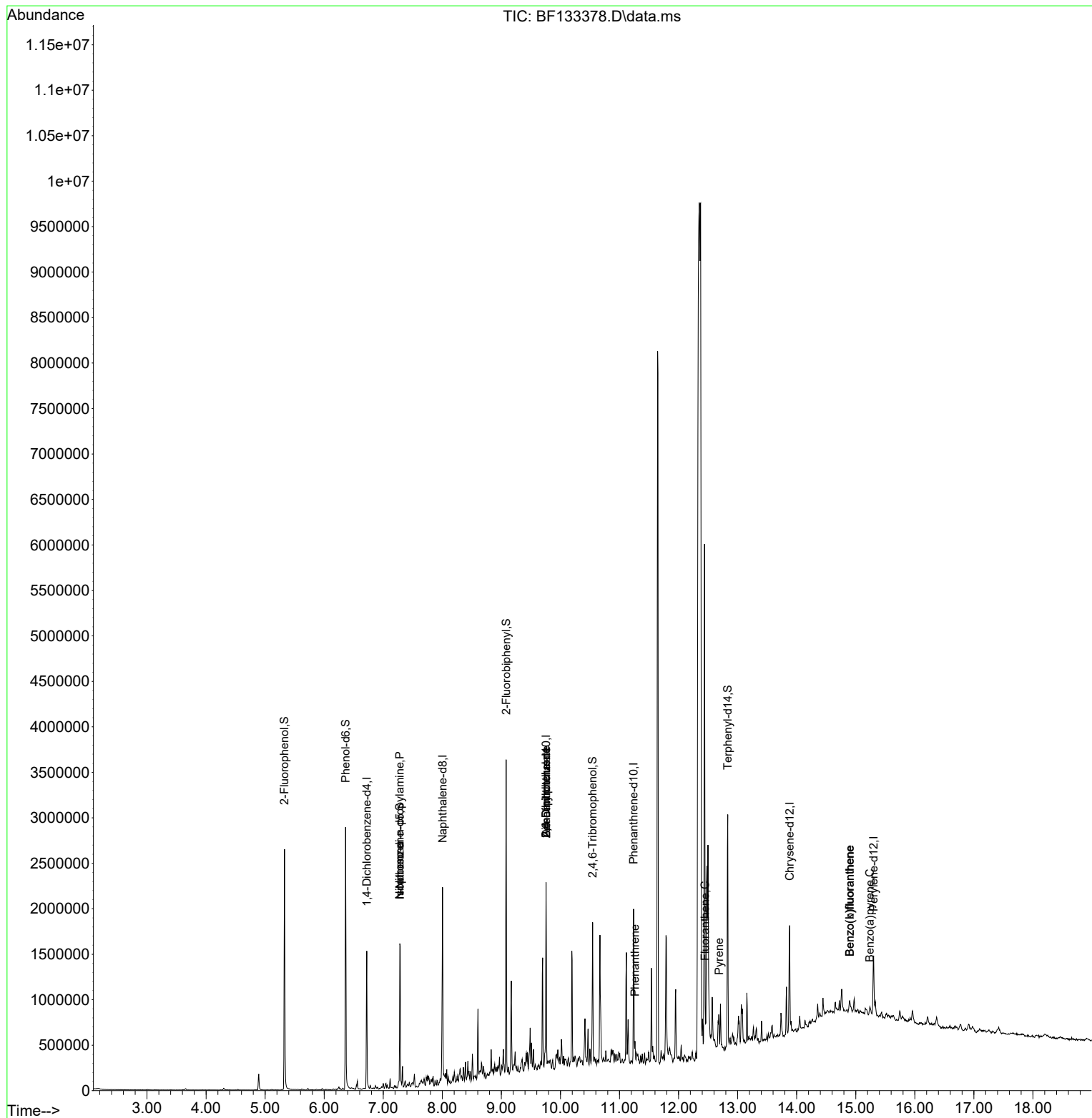
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	213649	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	813488	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	367675	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	594040	20.000	ng	0.00
76) Chrysene-d12	13.880	240	375700	20.000	ng	0.00
86) Perylene-d12	15.304	264	306945	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	726132	51.341	ng	0.00
7) Phenol-d6	6.363	99	892281	50.829	ng	0.00
23) Nitrobenzene-d5	7.281	82	498676	33.088	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	167693	45.351	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	926586	42.162	ng	0.00
79) Terphenyl-d14	12.833	244	866868	39.794	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	729	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.281	70	66019	6.041	ng	# 77
25) Isophorone	7.281	82	498676	17.427	ng	# 63
50) Dimethylphthalate	9.757	163	72542	2.830	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	52636	9.122	ng	# 26
57) 2,4-Dinitrotoluene	9.757	165	52636	7.153	ng	# 25
71) Phenanthrene	11.263	178	73336	2.297	ng	97
75) Fluoranthene	12.451	202	123402	3.851	ng	99
78) Pyrene	12.686	202	132033	4.100	ng	99
88) Benzo(b)fluoranthene	14.898	252	74480	3.814	ng	# 78
89) Benzo(k)fluoranthene	14.898	252	74480	3.848	ng	# 78
90) Benzo(a)pyrene	15.239	252	37454	2.107	ng	# 76

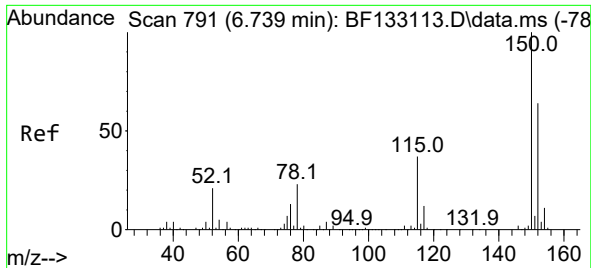
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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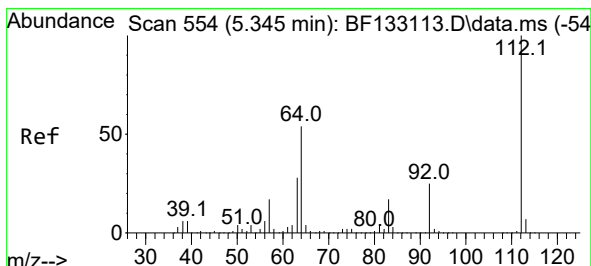
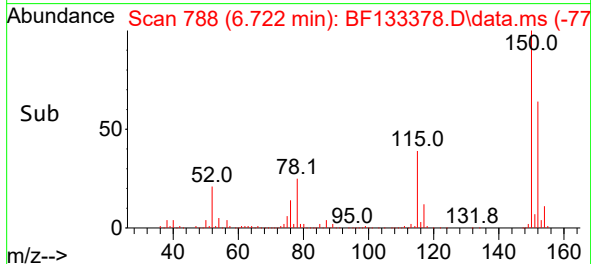
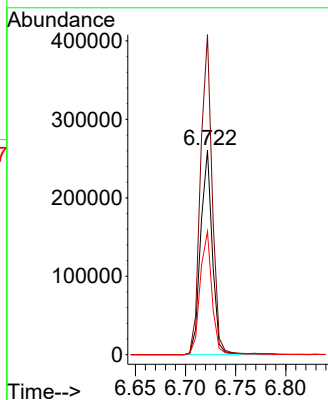
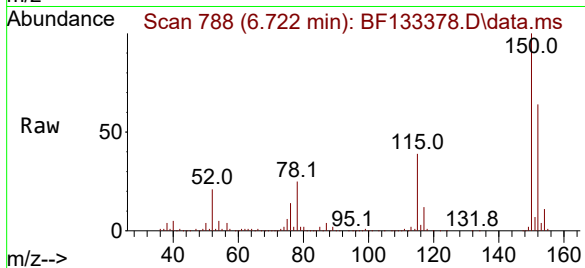




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133378.D
 Acq: 12 May 2023 19:56

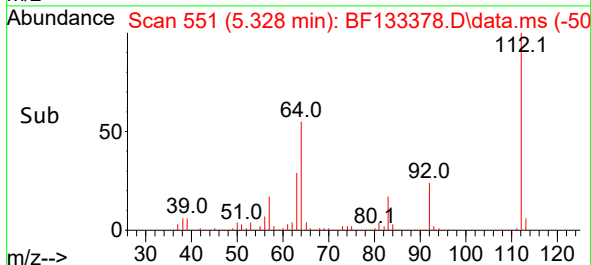
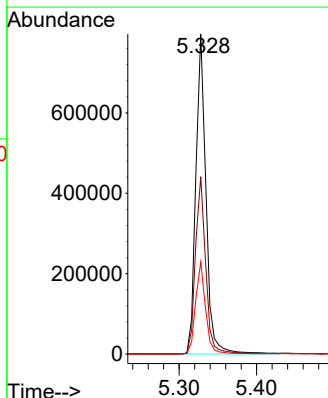
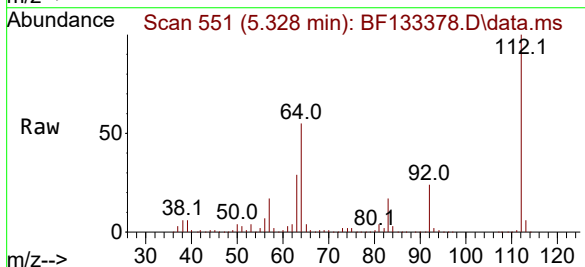
Instrument :
 BNA_F
 ClientSampleId :
 HR-4-051123

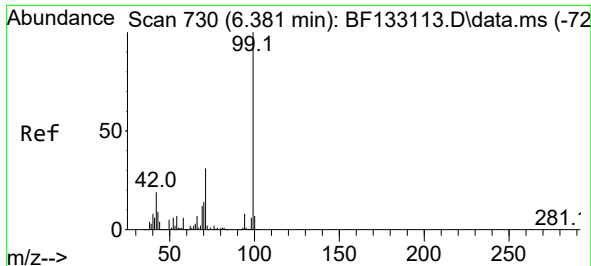
Tgt Ion:152 Resp: 213649
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.8 187.2
 115 60.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 51.341 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.000 min
 Lab File: BF133378.D
 Acq: 12 May 2023 19:56

Tgt Ion:112 Resp: 726132
 Ion Ratio Lower Upper
 112 100
 64 55.4 46.8 70.2
 63 28.7 23.8 35.8

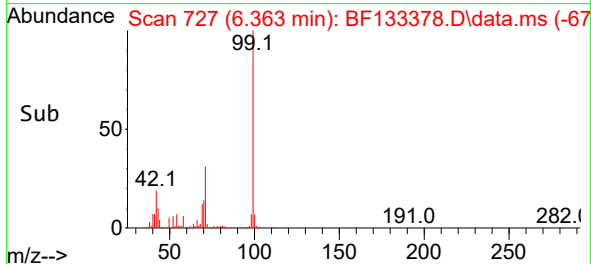
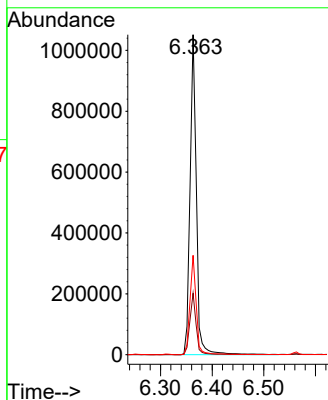
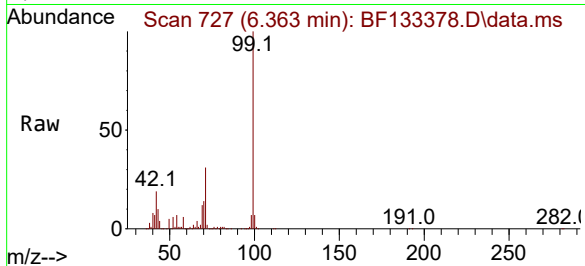




#7
Phenol-d6
Concen: 50.829 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

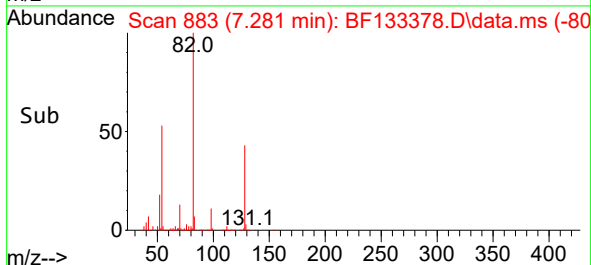
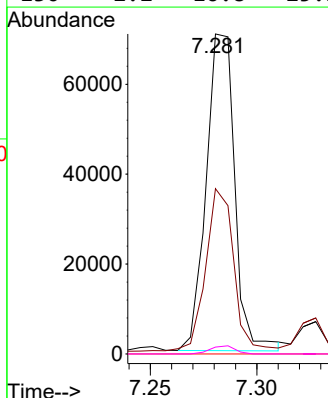
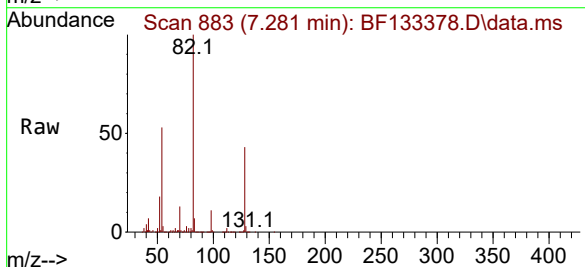
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

Tgt Ion: 99 Resp: 892281
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 31.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.041 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion: 70 Resp: 66019
Ion Ratio Lower Upper
70 100
42 51.6 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

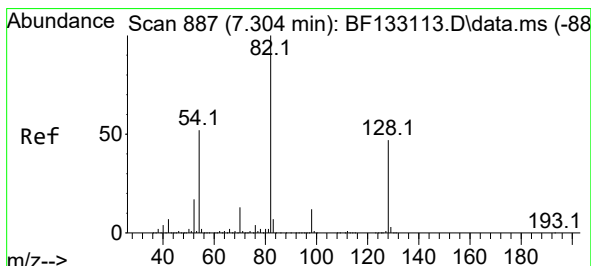
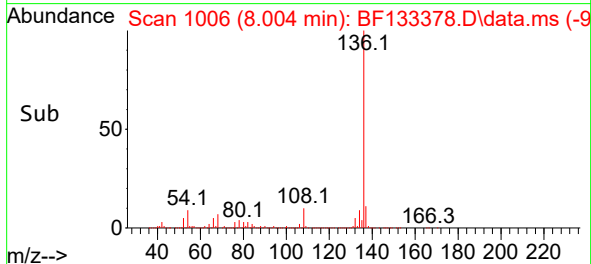
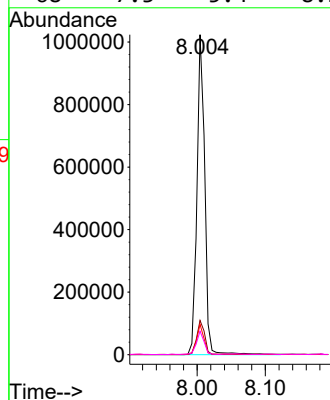
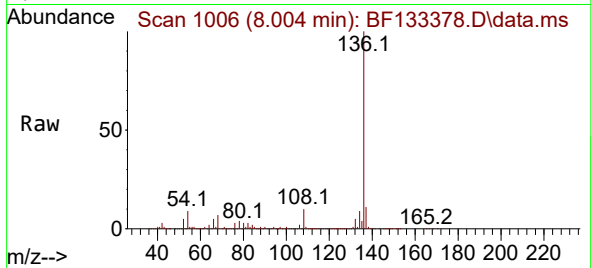




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

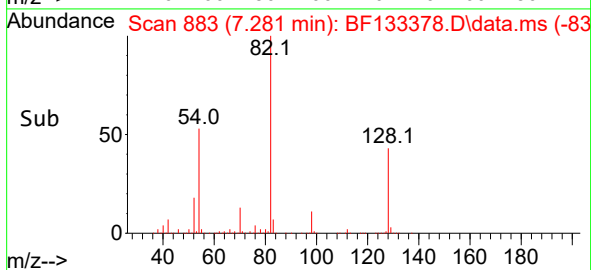
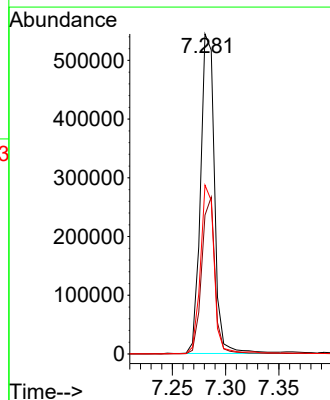
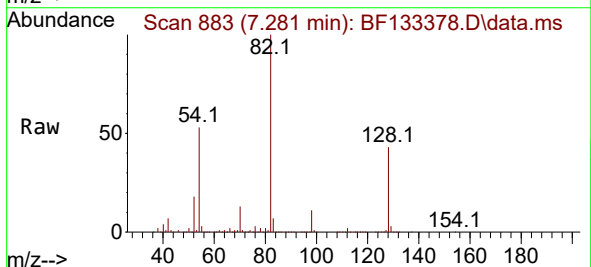
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

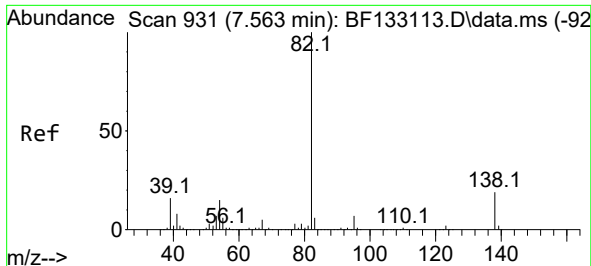
Tgt Ion:136 Resp: 813488
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.4 7.0 10.4
68 7.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 33.088 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion: 82 Resp: 498676
Ion Ratio Lower Upper
82 100
128 43.4 37.7 56.5
54 52.7 43.0 64.4

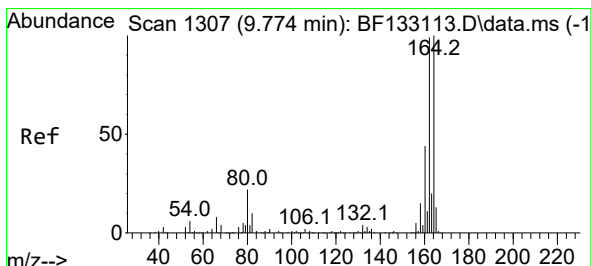
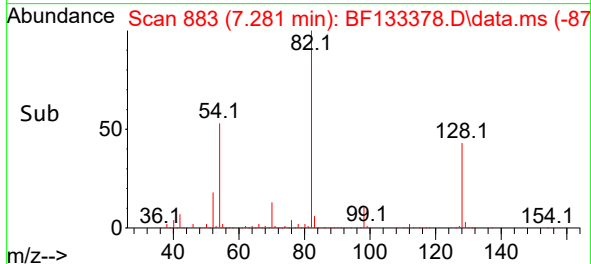
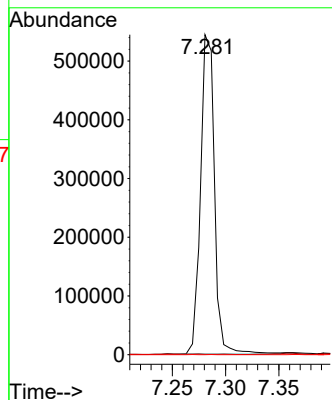
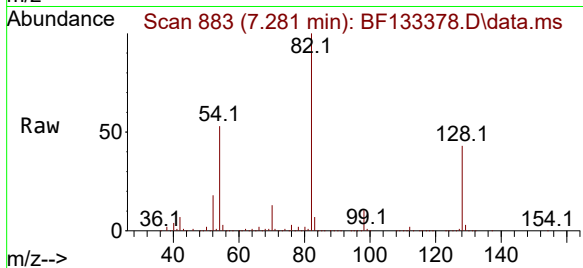




#25
Isophorone
Concen: 17.427 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

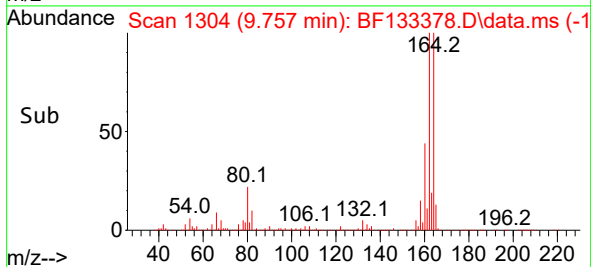
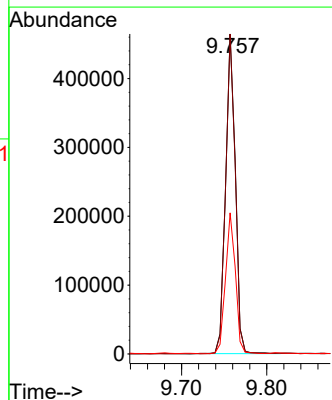
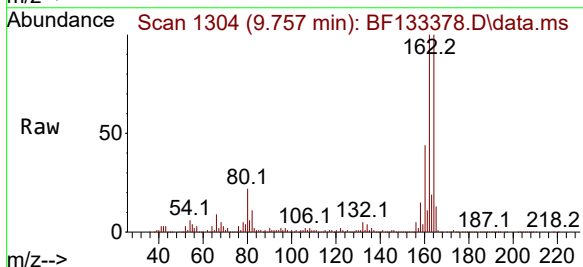
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

Tgt Ion: 82 Resp: 498676
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion: 164 Resp: 367675
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 45.351 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

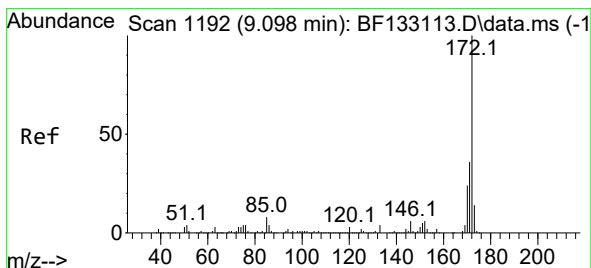
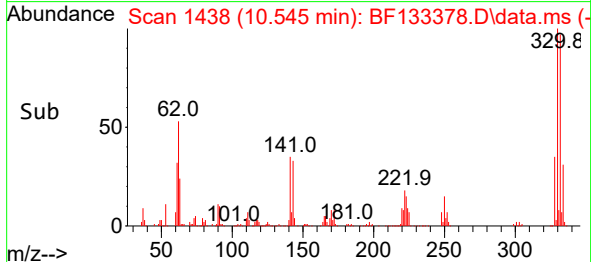
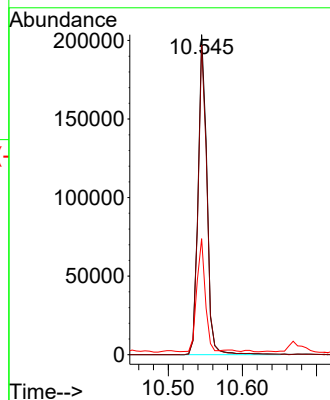
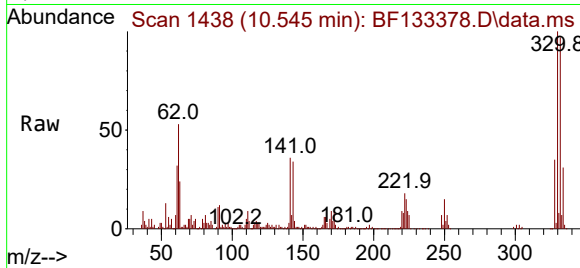
Tgt Ion:330 Resp: 167693

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 33.7 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 42.162 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

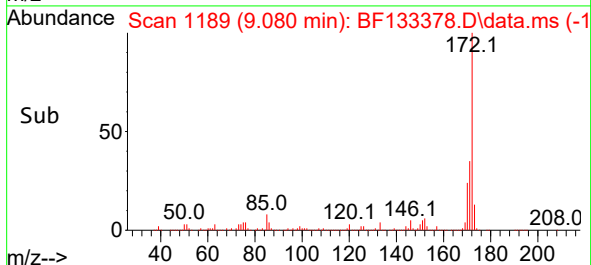
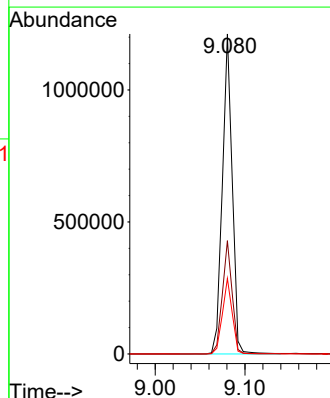
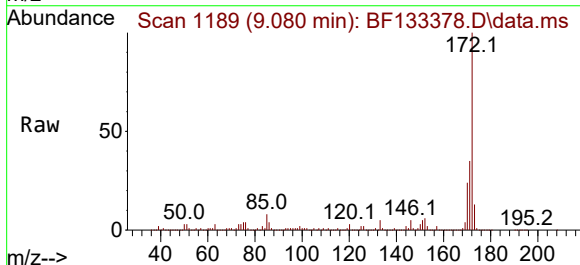
Tgt Ion:172 Resp: 926586

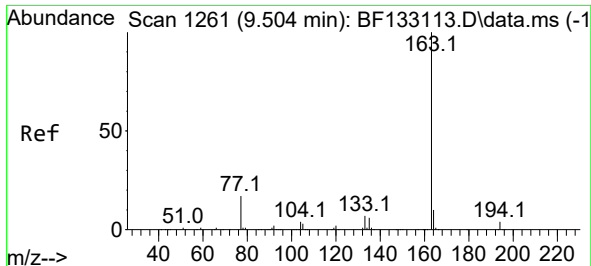
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.6 19.4 29.2

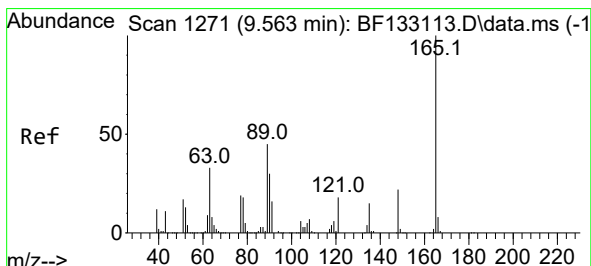
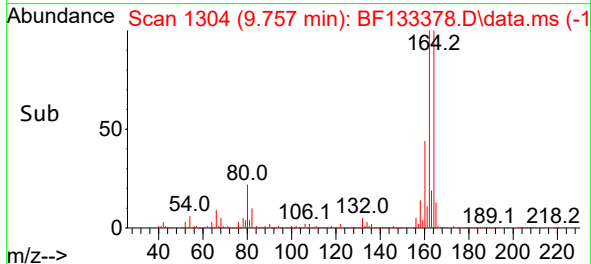
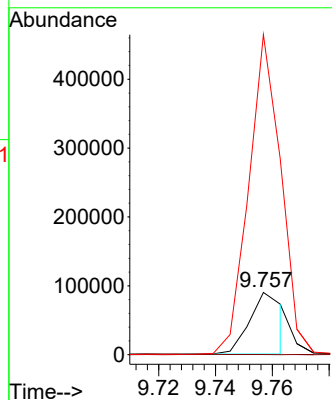
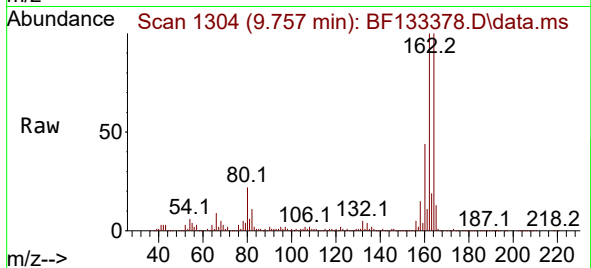




#50
Dimethylphthalate
Concen: 2.830 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.271 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

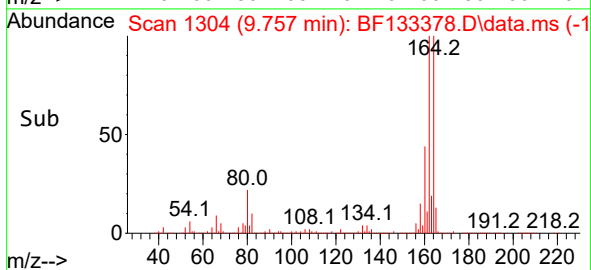
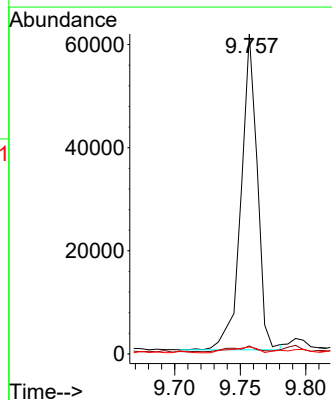
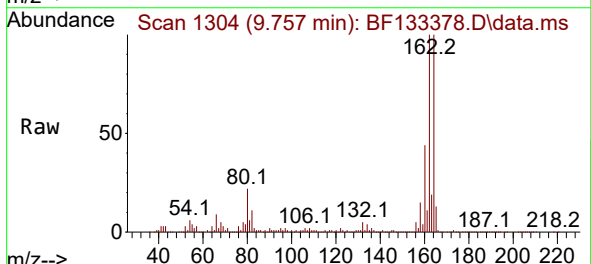
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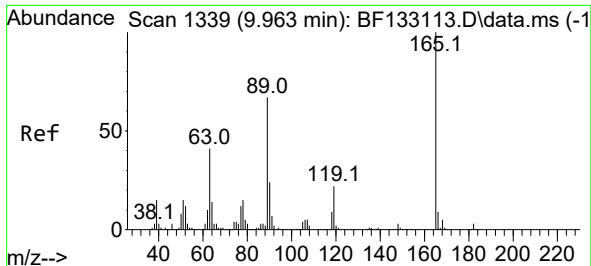
Tgt Ion:163 Resp: 72542
Ion Ratio Lower Upper
163 100
194 0.2 3.1 4.7#
164 514.0 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 9.122 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.212 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:165 Resp: 52636
Ion Ratio Lower Upper
165 100
63 2.5 45.9 68.9#
89 2.2 44.0 66.0#

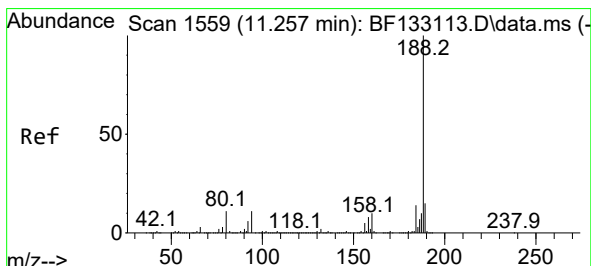
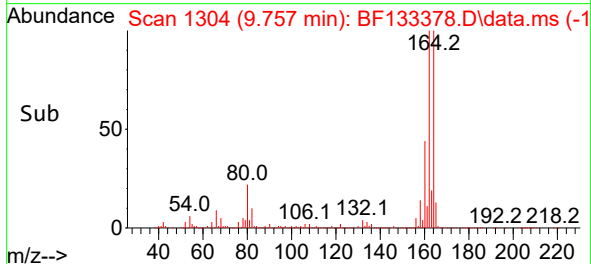
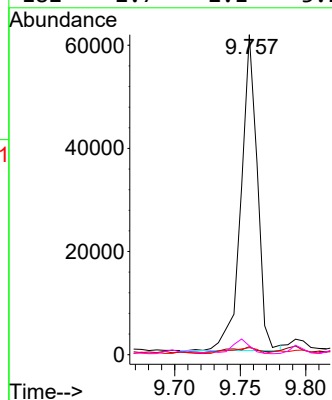
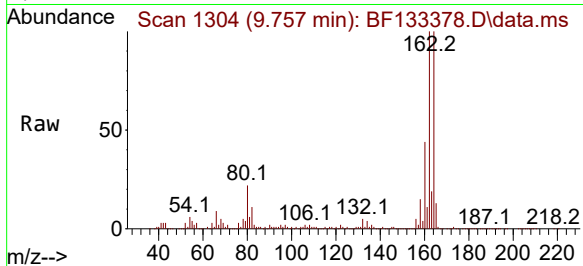




#57
2,4-Dinitrotoluene
Concen: 7.153 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

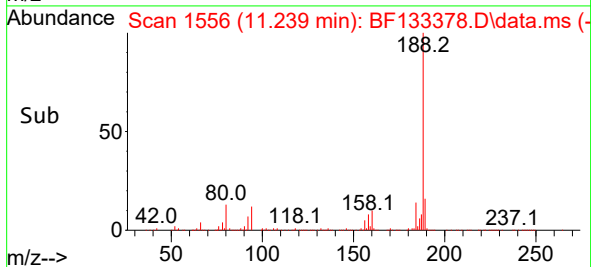
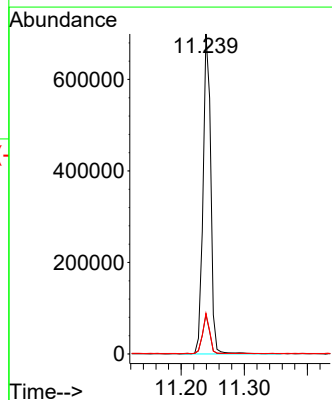
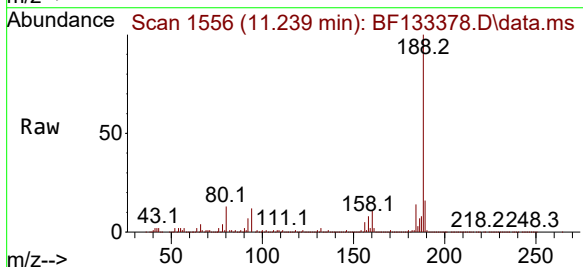
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

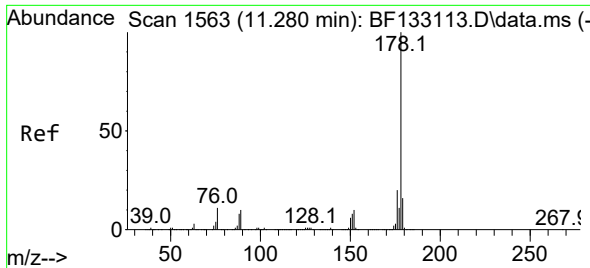
Tgt Ion:165 Resp: 52636
Ion Ratio Lower Upper
165 100
63 2.5 37.7 56.5#
89 2.2 57.0 85.4#
182 2.7 2.1 3.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:188 Resp: 594040
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 12.7 10.4 15.6

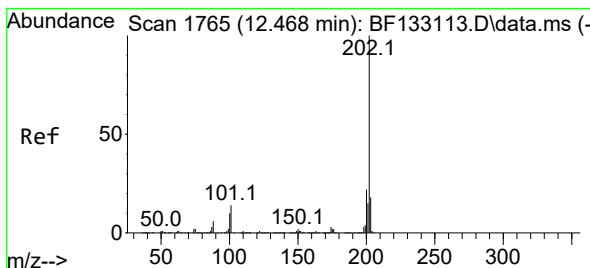
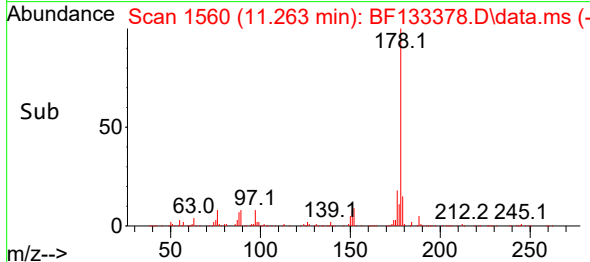
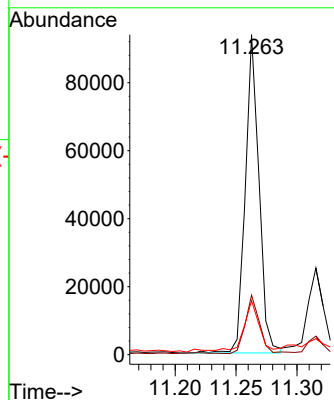
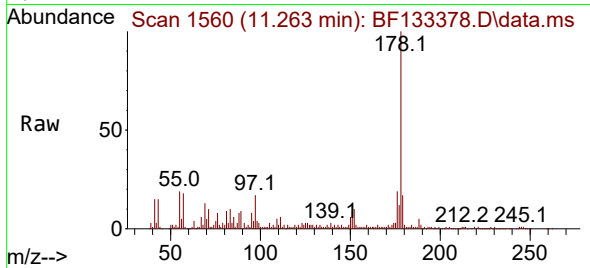




#71
Phenanthrene
Concen: 2.297 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

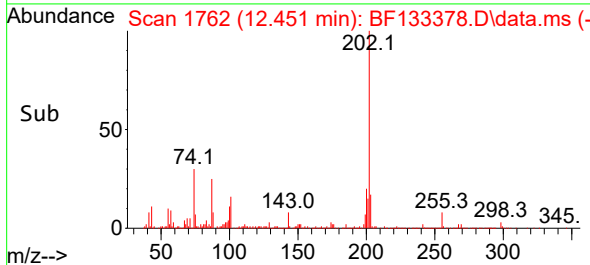
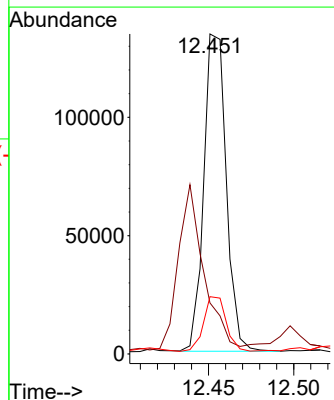
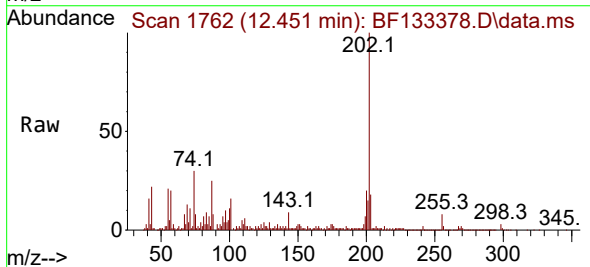
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

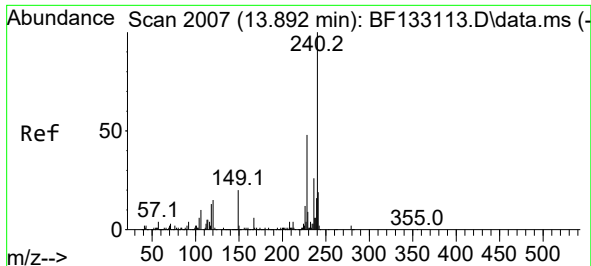
Tgt Ion:178 Resp: 73336
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.9 12.5 18.7



#75
Fluoranthene
Concen: 3.851 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:202 Resp: 123402
Ion Ratio Lower Upper
202 100
101 15.9 0.0 35.3
203 17.9 0.0 38.1

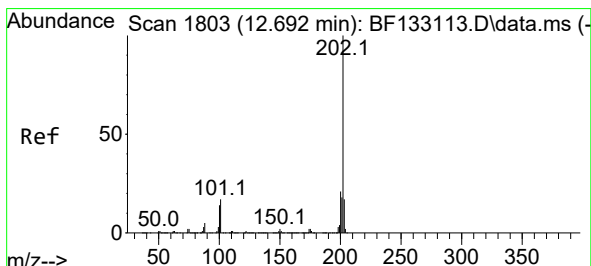
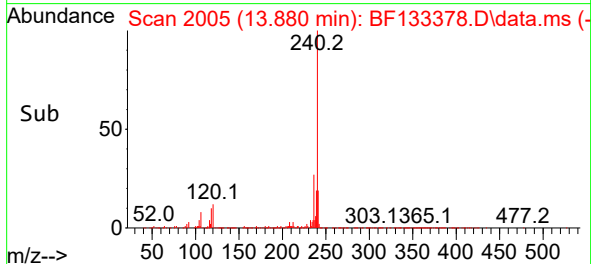
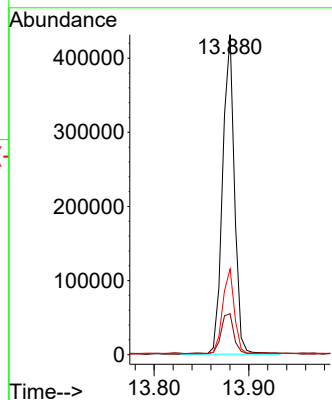
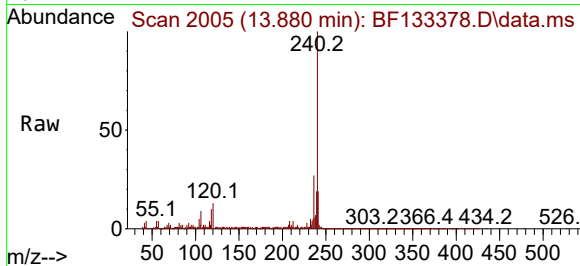




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

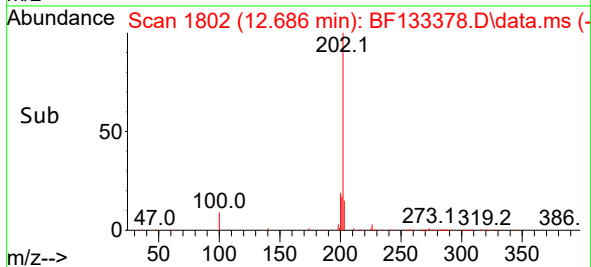
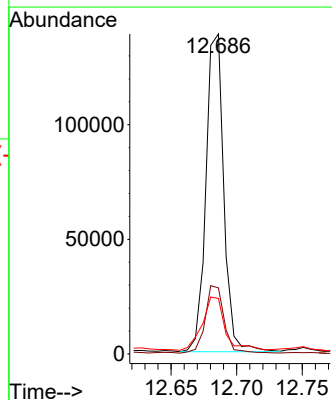
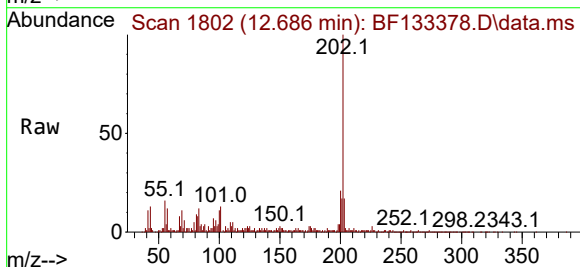
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

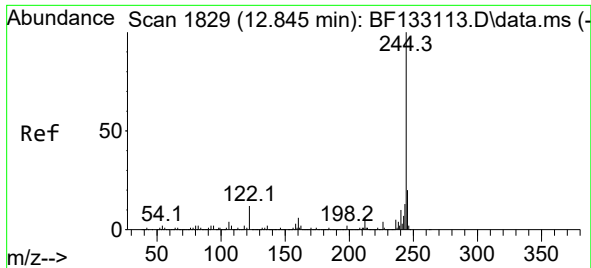
Tgt Ion:240 Resp: 375700
Ion Ratio Lower Upper
240 100
120 12.8 10.5 15.7
236 26.8 21.5 32.3



#78
Pyrene
Concen: 4.100 ng
RT: 12.686 min Scan# 1802
Delta R.T. 0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:202 Resp: 132033
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.4 14.1 21.1

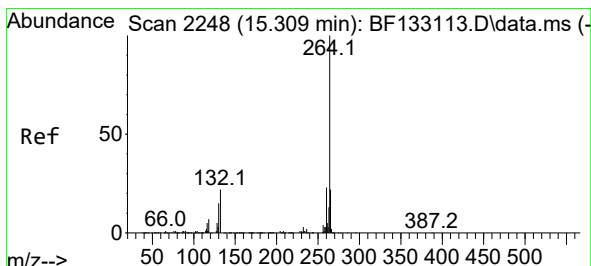
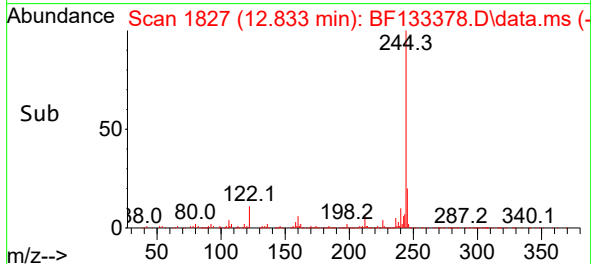
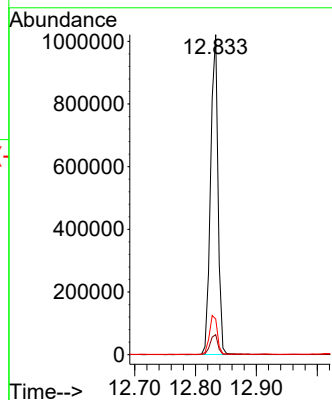
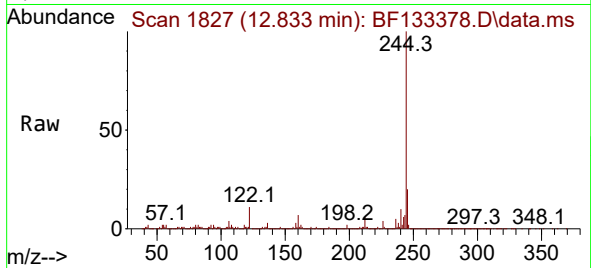




#79
Terphenyl-d14
Concen: 39.794 ng
RT: 12.833 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

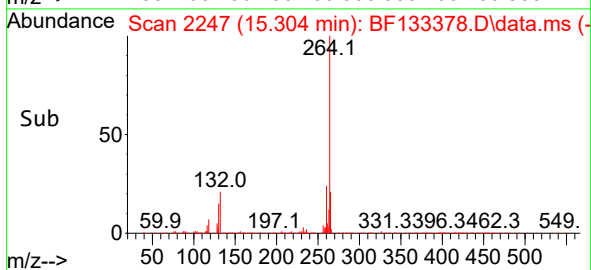
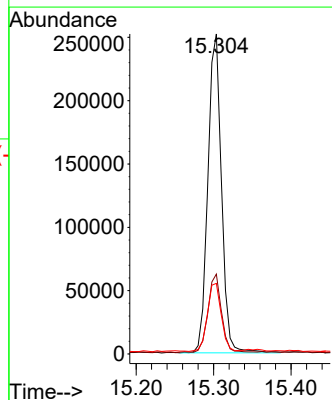
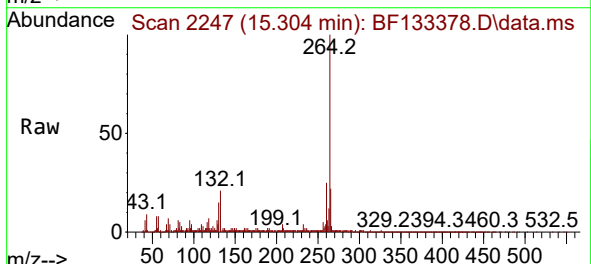
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

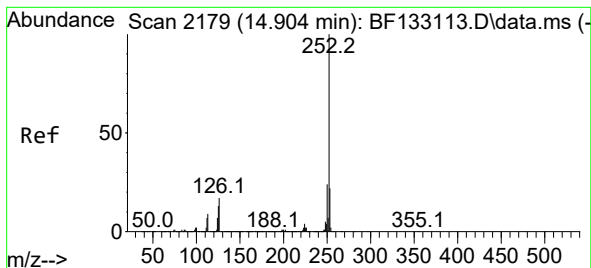
Tgt Ion:244 Resp: 866868
Ion Ratio Lower Upper
244 100
212 6.2 5.1 7.7
122 11.2 8.6 13.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. 0.012 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:264 Resp: 306945
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 22.1 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.814 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

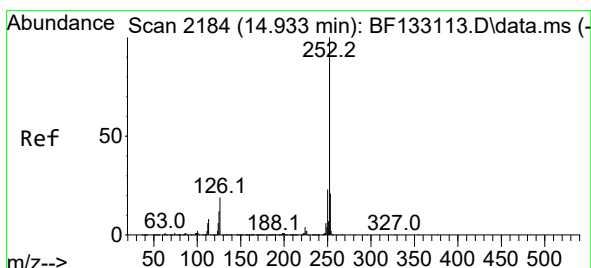
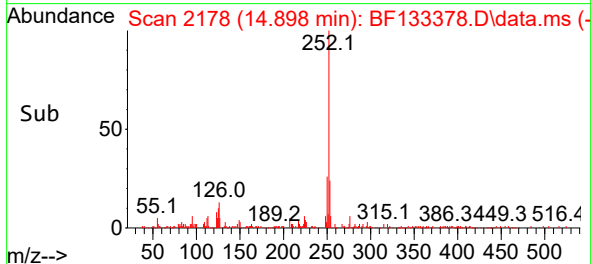
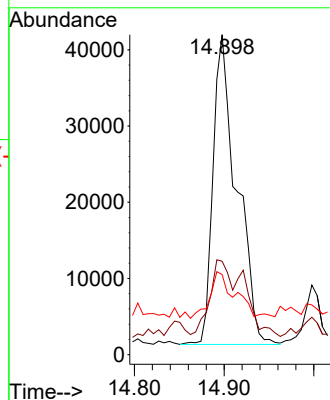
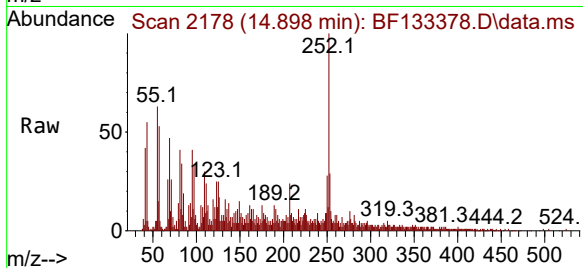
Tgt Ion:252 Resp: 74480

Ion Ratio Lower Upper

252 100

253 29.2 17.6 26.4#

125 25.1 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 3.848 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.024 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

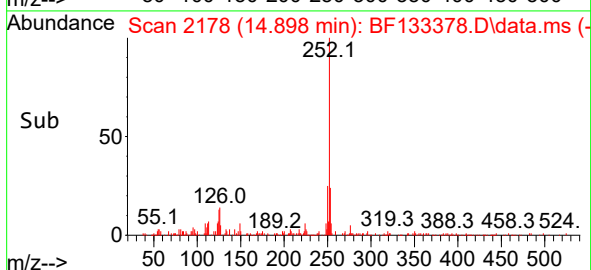
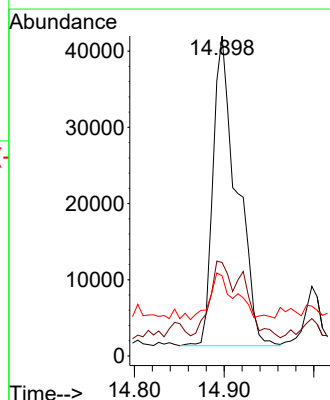
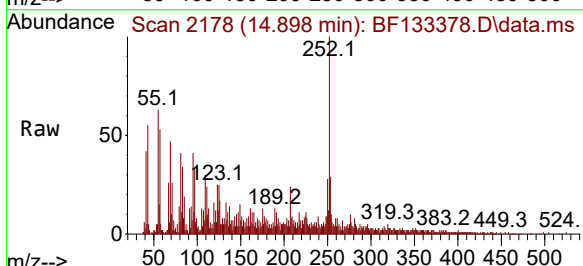
Tgt Ion:252 Resp: 74480

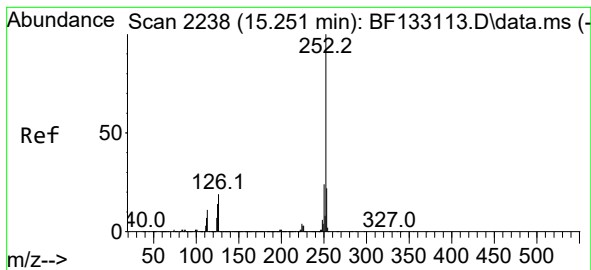
Ion Ratio Lower Upper

252 100

253 29.2 17.7 26.5#

125 25.1 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 2.107 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133378.D

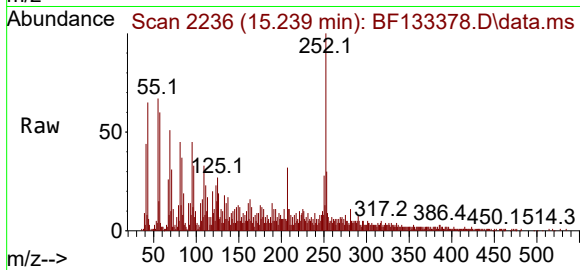
Acq: 12 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

HR-4-051123



Tgt Ion:252 Resp: 37454

Ion Ratio Lower Upper

252 100

253 30.3 17.7 26.5#

125 27.4 10.5 15.7#

