

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133173.D
 Acq On : 02 May 2023 00:21
 Operator : CG\JU
 Sample : 02554-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-42823

Quant Time: May 02 05:24:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

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

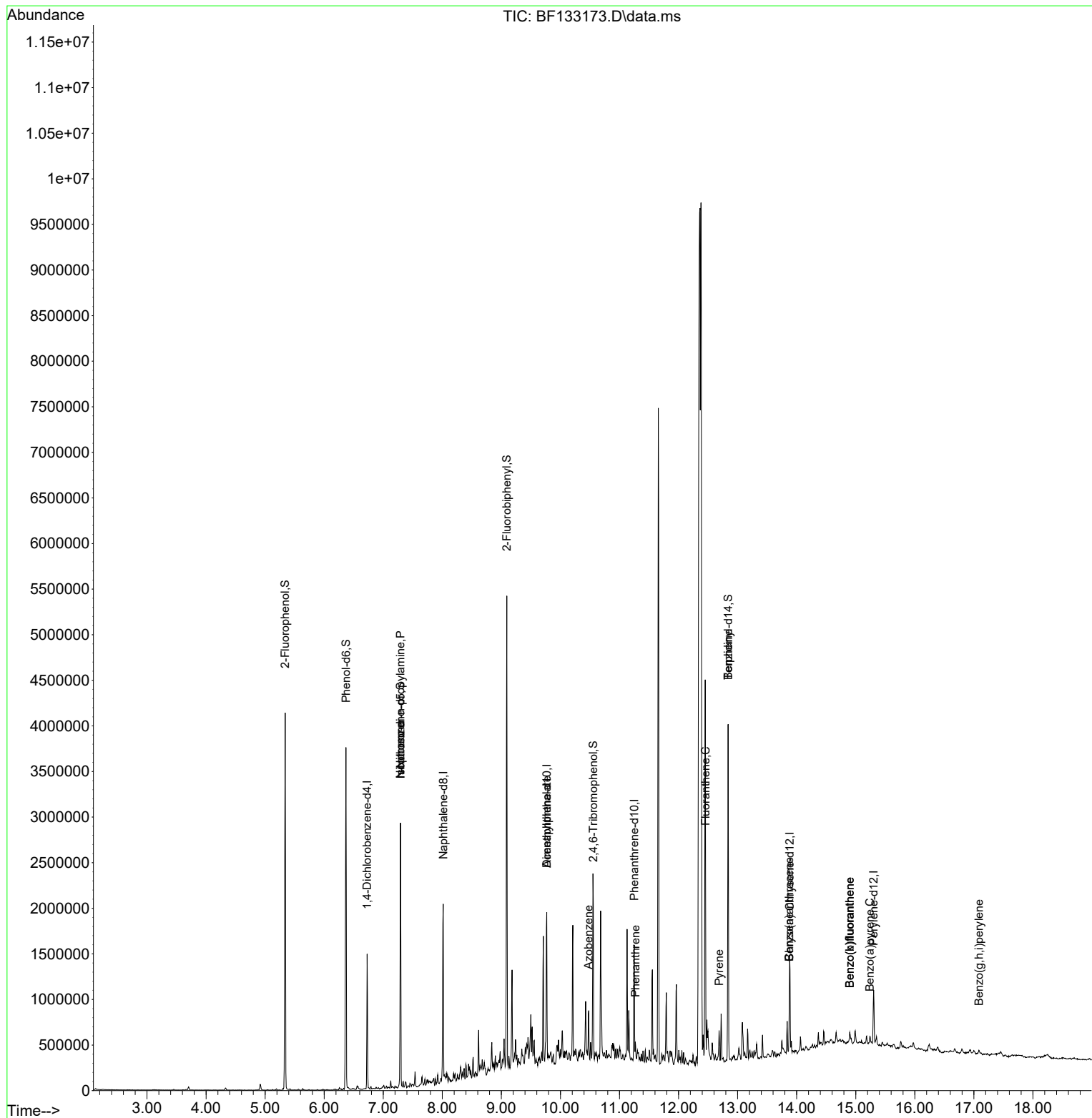
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	198046	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	772691	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	324180	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	495012	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	337136	20.000	ng	-0.01
86) Perylene-d12	15.304	264	266440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1181241	90.100	ng	0.00
7) Phenol-d6	6.369	99	1354901	83.262	ng	0.00
23) Nitrobenzene-d5	7.292	82	835162	58.341	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	250222	76.749	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1470175	75.871	ng	0.00
79) Terphenyl-d14	12.839	244	1194495	61.106	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.257	77	1022	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.292	70	110731	10.930	ng	# 76
25) Isophorone	7.292	82	829442	30.517	ng	# 63
50) Dimethylphthalate	9.769	163	67166	2.971	ng	# 1
63) Azobenzene	10.475	77	71180	3.147	ng	# 1
71) Phenanthrene	11.269	178	58433	2.196	ng	# 95
75) Fluoranthene	12.457	202	102067	3.823	ng	78
77) Benzidine	12.839	184	12404	2.176	ng	100
78) Pyrene	12.686	202	113992	3.944	ng	97
81) Benzo(a)anthracene	13.874	228	53724	2.317	ng	93
83) Chrysene	13.874	228	53724	2.318	ng	97
88) Benzo(b)fluoranthene	14.898	252	75127	4.432	ng	# 85
89) Benzo(k)fluoranthene	14.898	252	75127	4.471	ng	# 86
90) Benzo(a)pyrene	15.239	252	38407	2.489	ng	# 84
92) Benzo(g,h,i)perylene	17.086	276	25335	2.030	ng	# 90

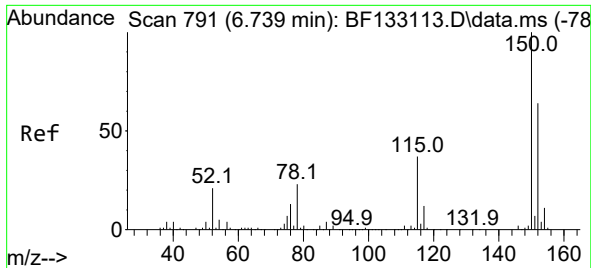
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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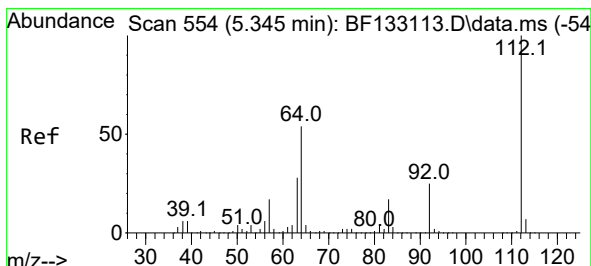
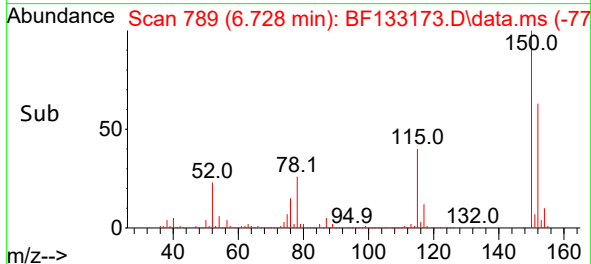
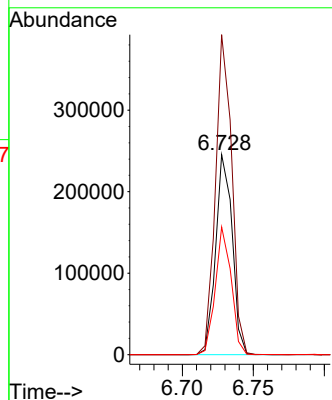
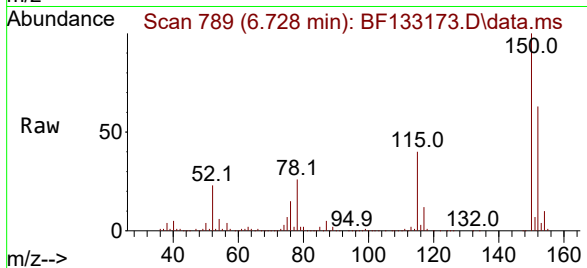




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

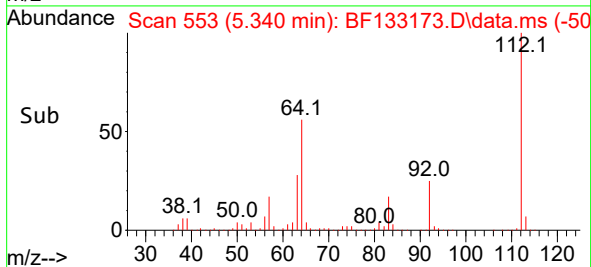
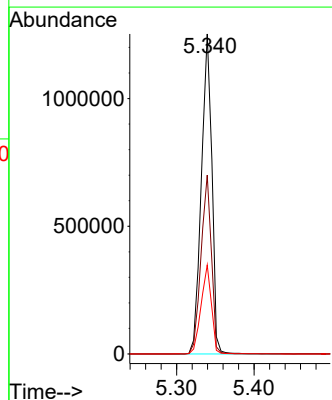
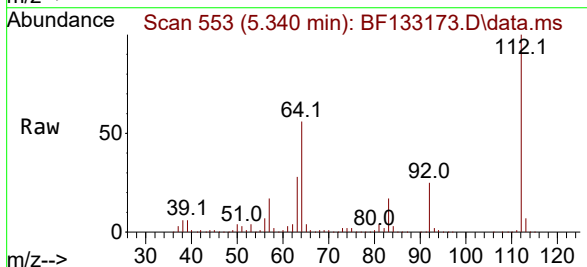
Instrument :
BNA_F
ClientSampleId :
TR-04-42823

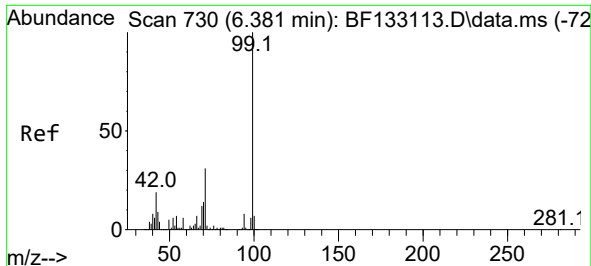
Tgt Ion:152 Resp: 198046
Ion Ratio Lower Upper
152 100
150 159.9 124.8 187.2
115 63.8 49.9 74.9



#5
2-Fluorophenol
Concen: 90.100 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion:112 Resp: 1181241
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 27.8 23.8 35.8

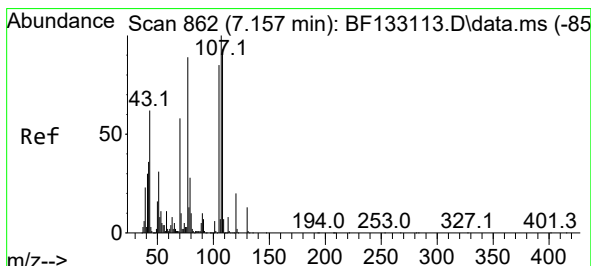
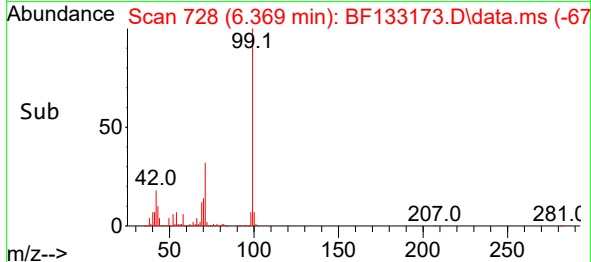
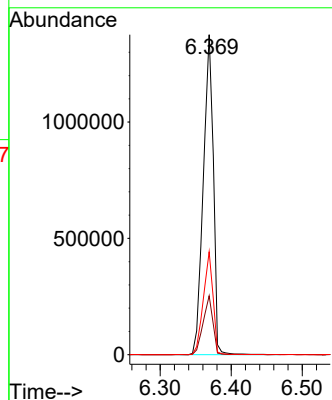
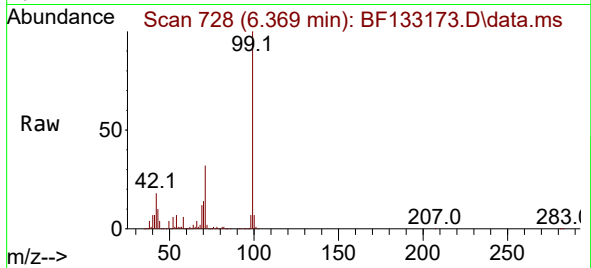




#7
Phenol-d6
Concen: 83.262 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

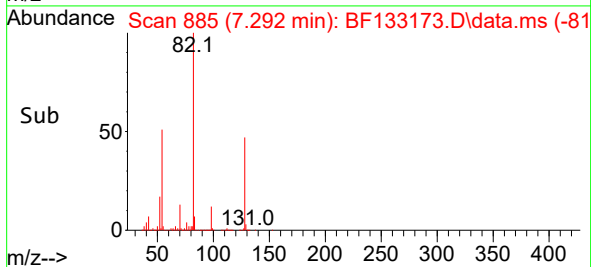
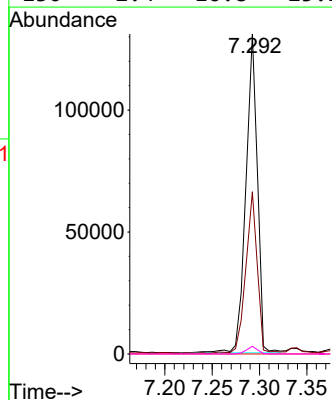
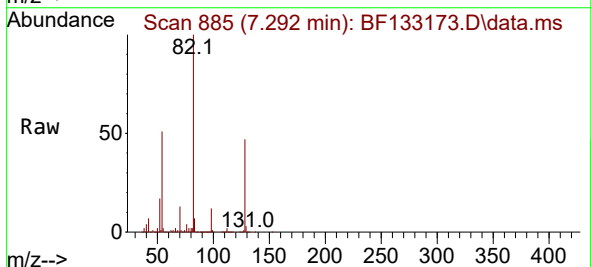
Instrument :
BNA_F
ClientSampleId :
TR-04-42823

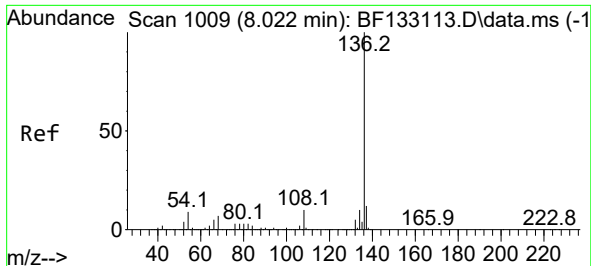
Tgt Ion: 99 Resp: 1354901
Ion Ratio Lower Upper
99 100
42 18.4 16.3 24.5
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.930 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion: 70 Resp: 110731
Ion Ratio Lower Upper
70 100
42 50.7 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#



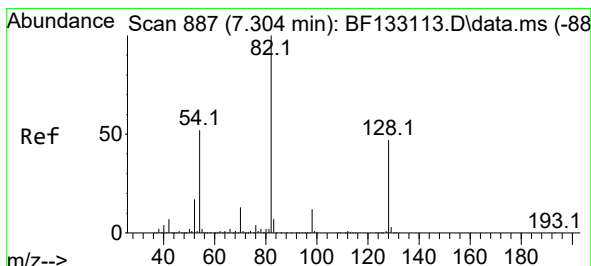
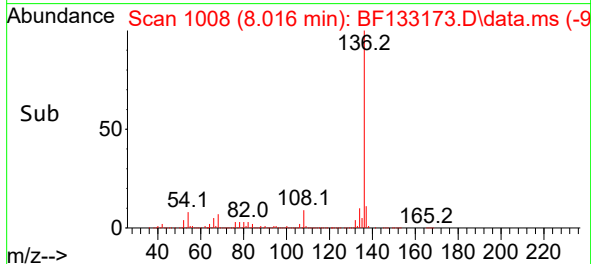
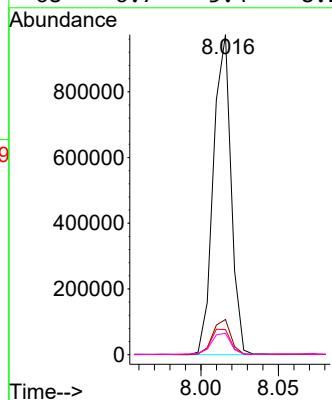
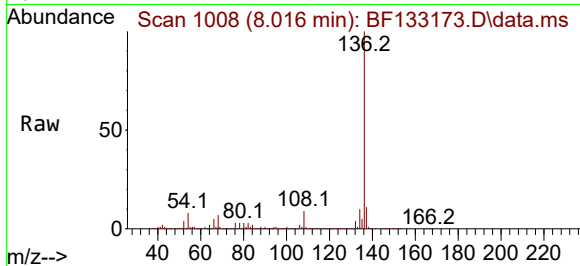


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Instrument :
BNA_F
ClientSampleId :
TR-04-42823

Tgt Ion:136 Resp: 772691

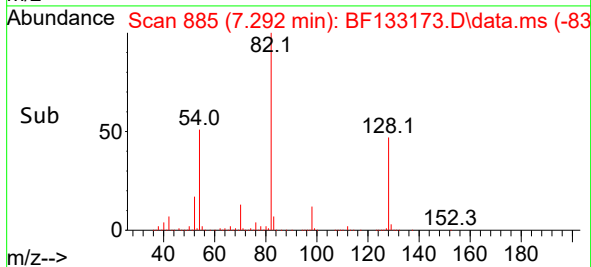
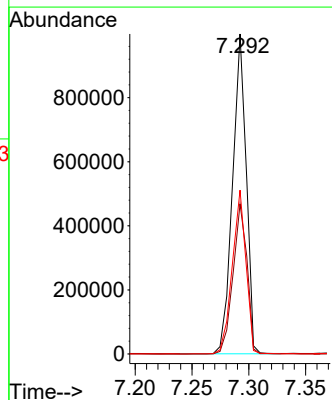
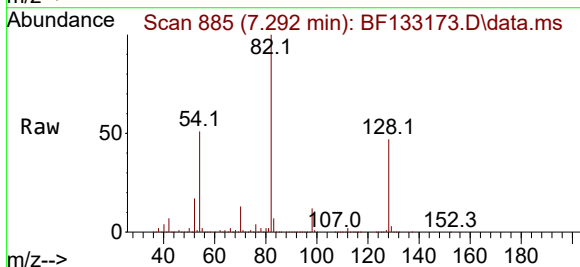
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.9	7.0	10.4
68	6.7	5.4	8.2

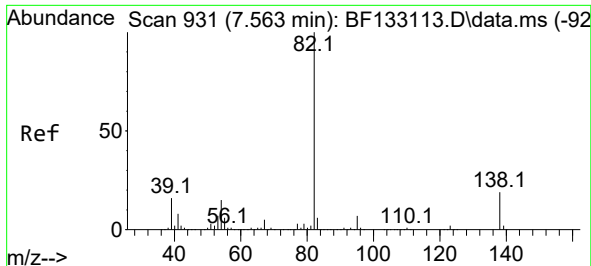


#23
Nitrobenzene-d5
Concen: 58.341 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion: 82 Resp: 835162

Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.7	56.5
54	51.2	43.0	64.4

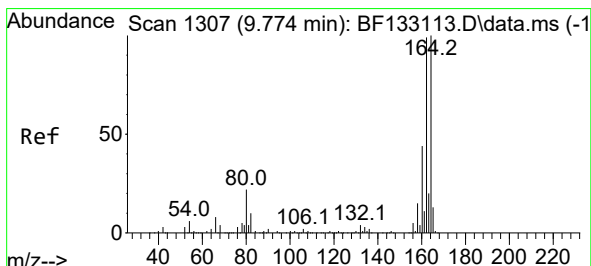
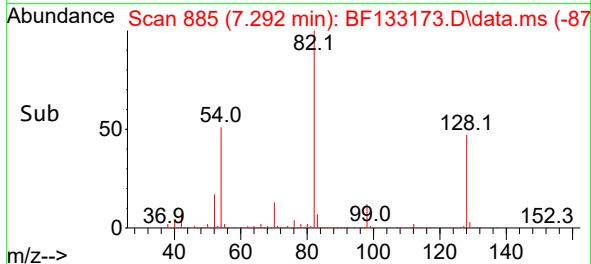
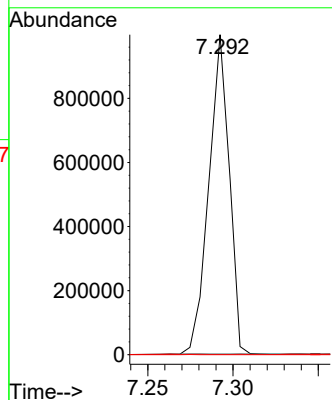
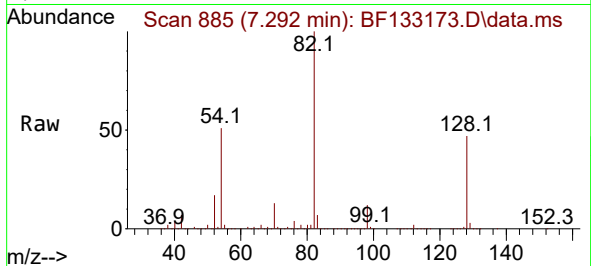




#25
Isophorone
Concen: 30.517 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

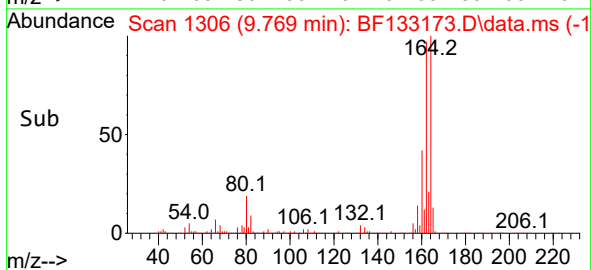
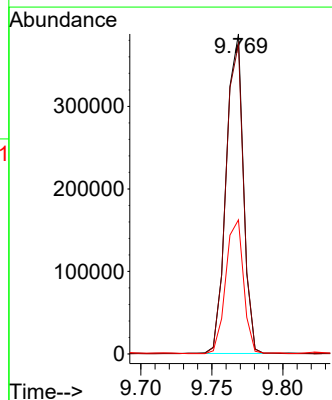
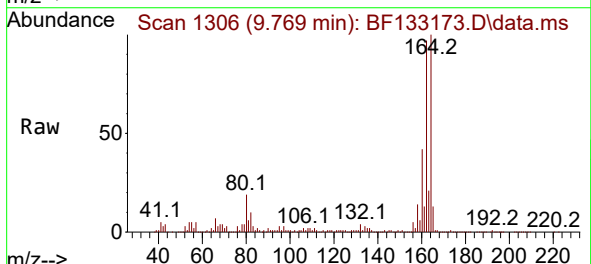
Instrument :
BNA_F
ClientSampleId :
TR-04-42823

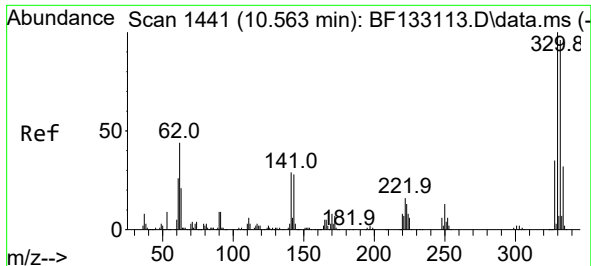
Tgt Ion: 82 Resp: 829442
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion: 164 Resp: 324180
Ion Ratio Lower Upper
164 100
162 96.7 78.7 118.1
160 41.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 76.749 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

TR-04-42823

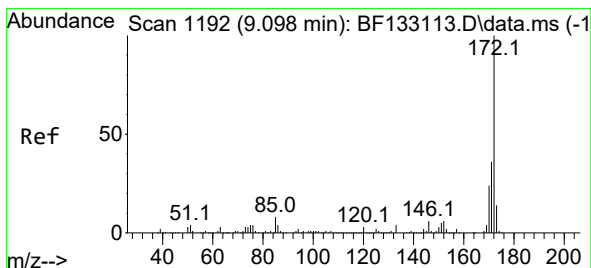
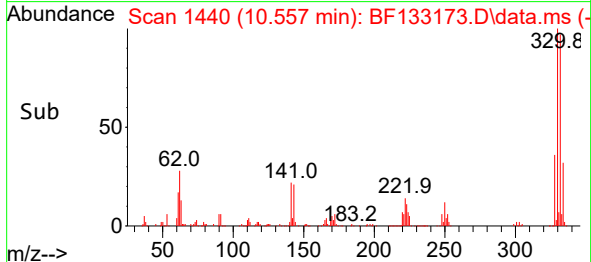
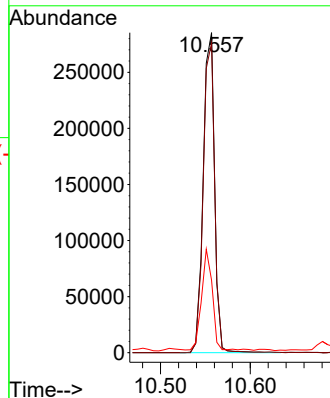
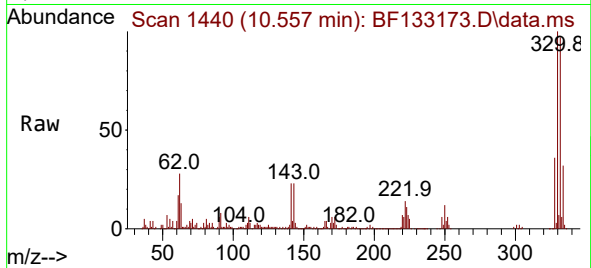
Tgt Ion:330 Resp: 250222

Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

141 29.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 75.871 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

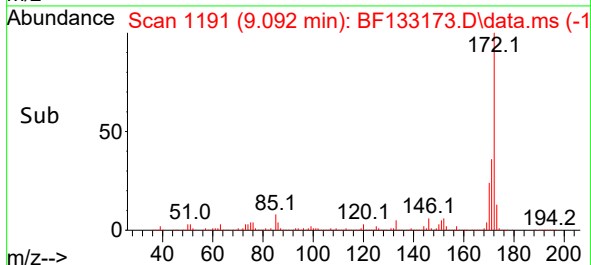
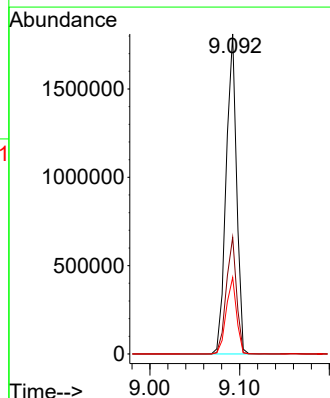
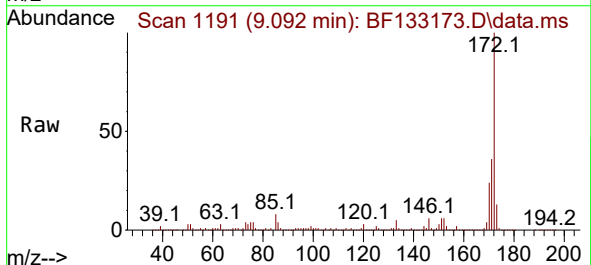
Tgt Ion:172 Resp: 1470175

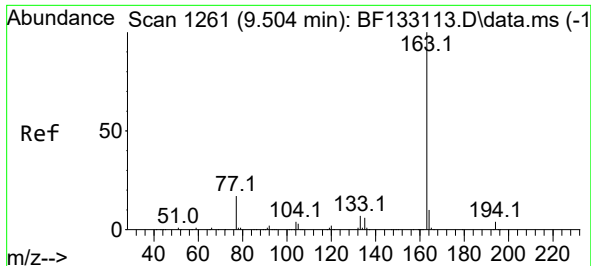
Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 23.9 19.4 29.2

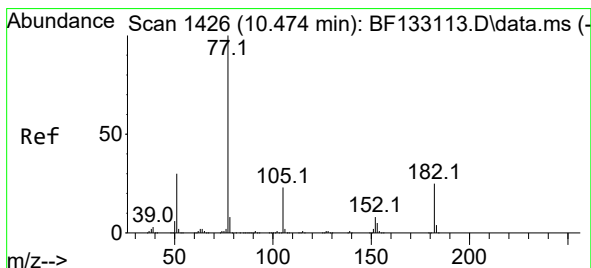
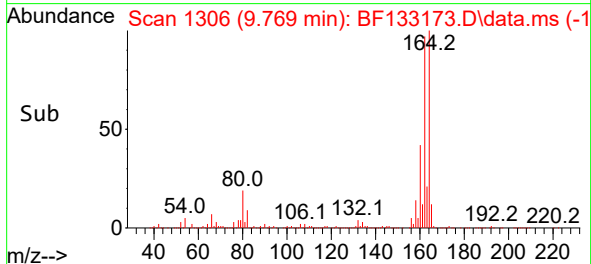
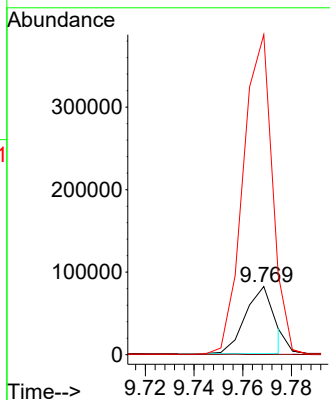
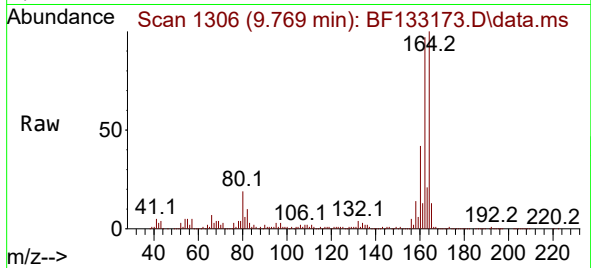




#50
Dimethylphthalate
Concen: 2.971 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

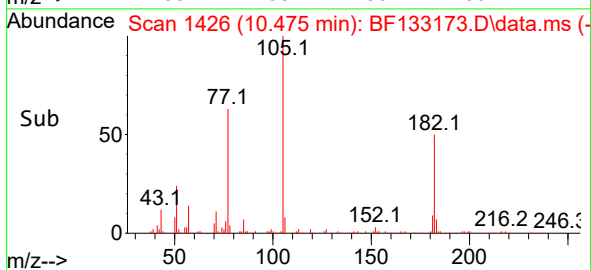
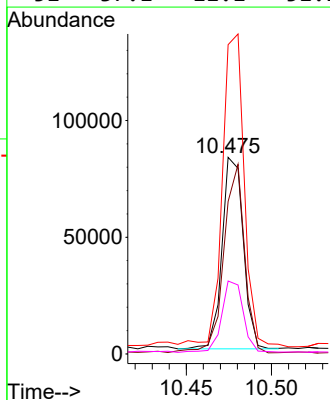
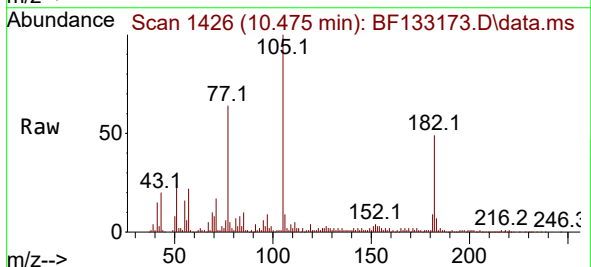
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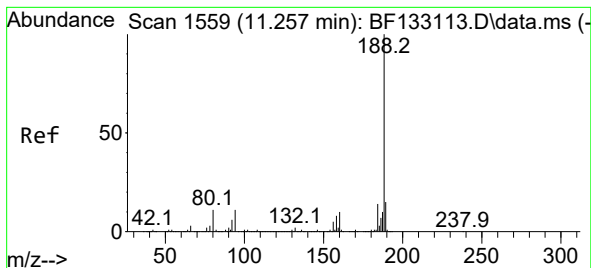
Tgt Ion:163 Resp: 67166
Ion Ratio Lower Upper
163 100
194 0.3 3.1 4.7#
164 469.8 8.5 12.7#



#63
Azobenzene
Concen: 3.147 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion: 77 Resp: 71180
Ion Ratio Lower Upper
77 100
182 77.6 5.9 45.9#
105 157.3 2.3 42.3#
51 37.1 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

TR-04-42823

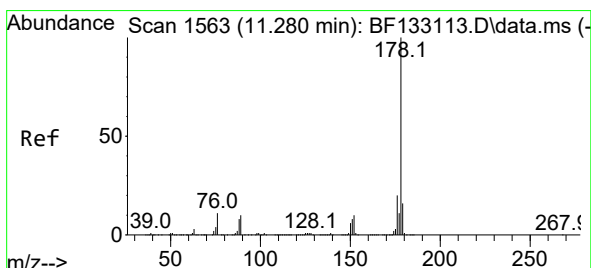
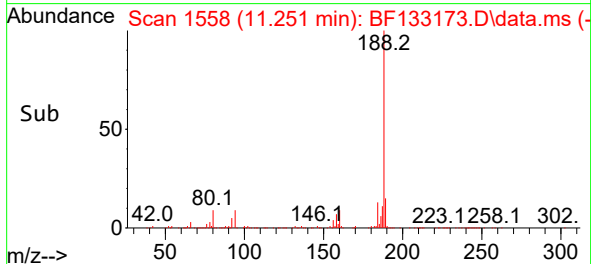
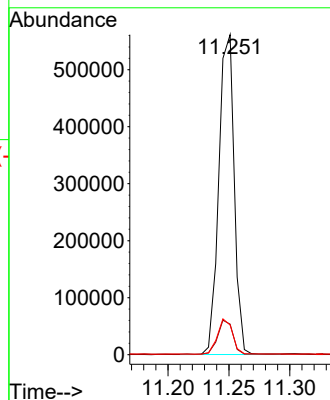
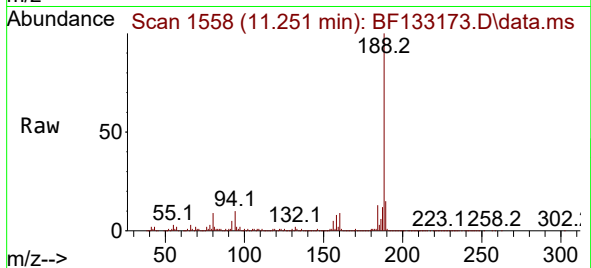
Tgt Ion:188 Resp: 495012

Ion Ratio Lower Upper

188 100

94 9.5 9.7 14.5#

80 9.3 10.4 15.6#



#71

Phenanthrene

Concen: 2.196 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

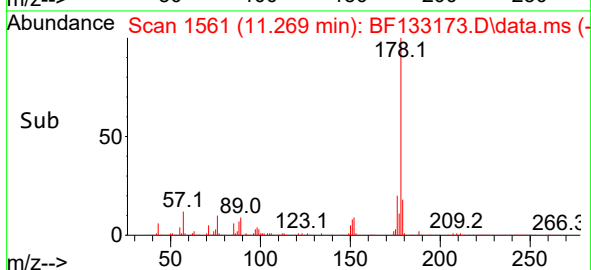
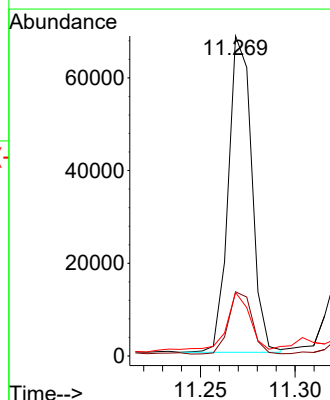
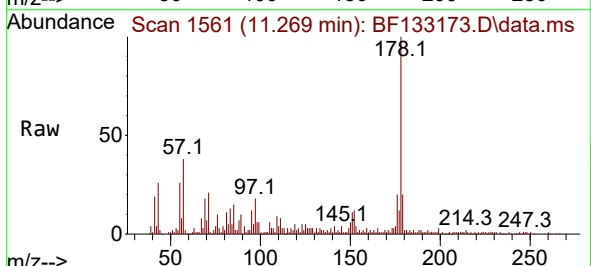
Tgt Ion:178 Resp: 58433

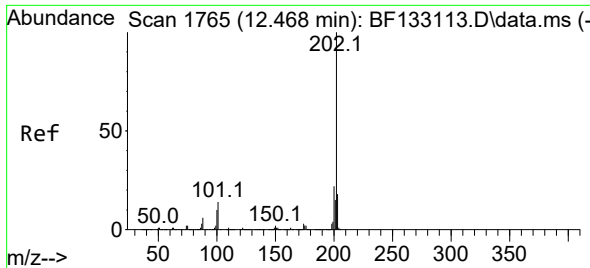
Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

179 19.8 12.5 18.7#

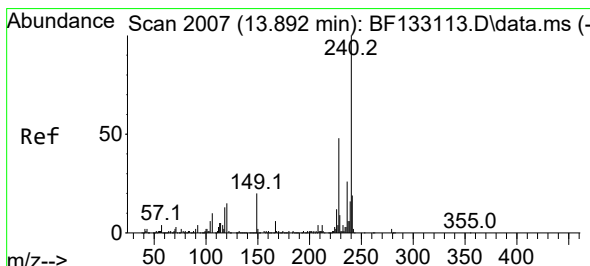
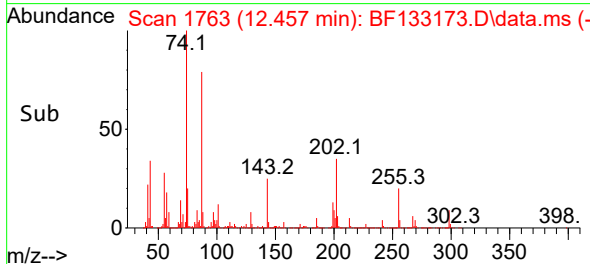
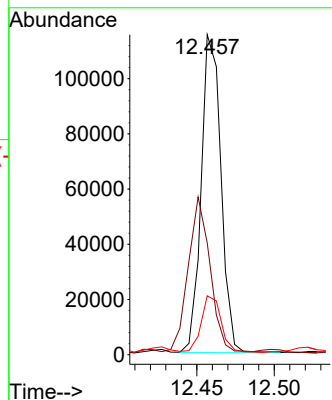
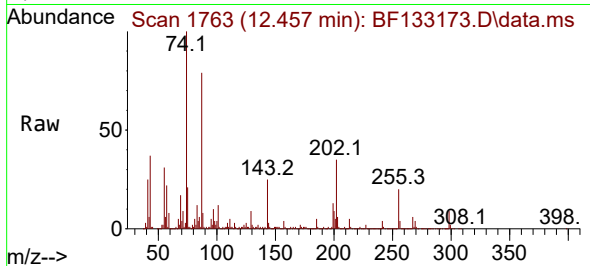




#75
Fluoranthene
Concen: 3.823 ng
RT: 12.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

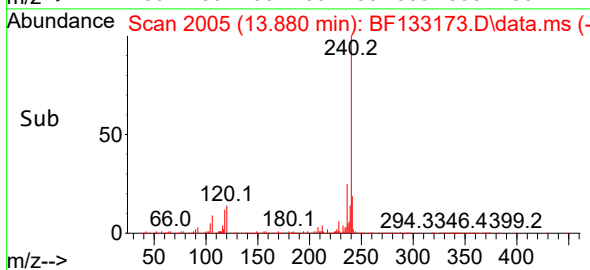
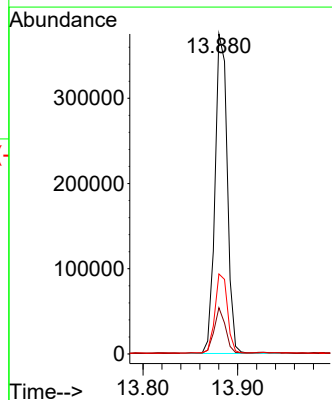
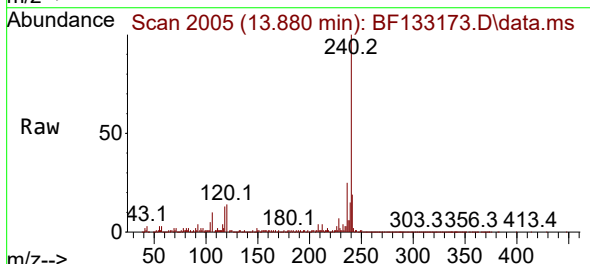
Instrument :
BNA_F
ClientSampleId :
TR-04-42823

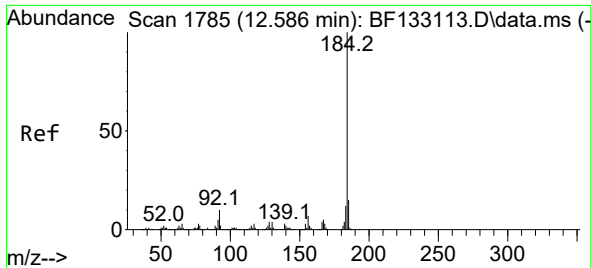
Tgt Ion:202 Resp: 102067
Ion Ratio Lower Upper
202 100
101 34.9 0.0 35.3
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion:240 Resp: 337136
Ion Ratio Lower Upper
240 100
120 14.4 10.5 15.7
236 25.0 21.5 32.3

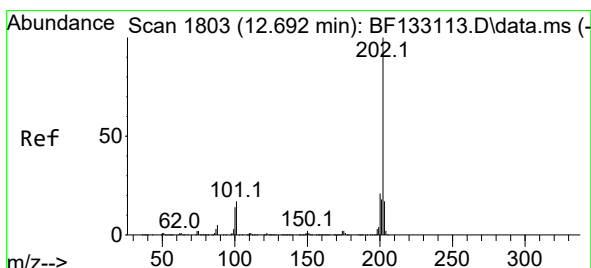
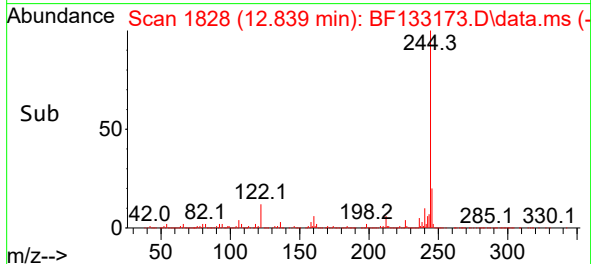
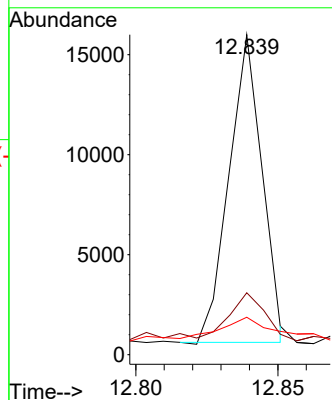
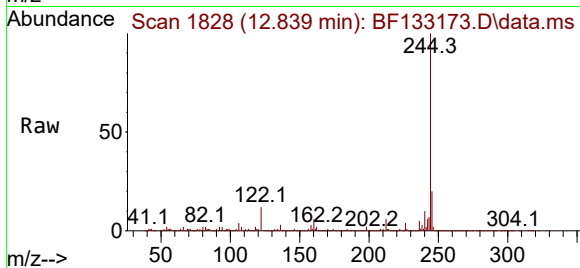




#77
Benzidine
Concen: 2.176 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.253 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

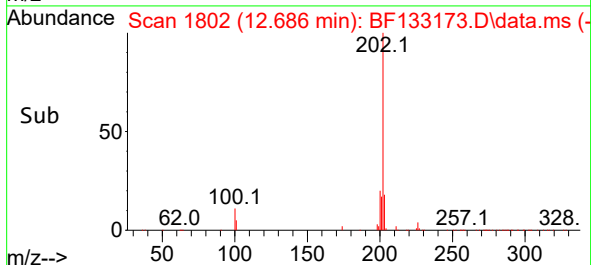
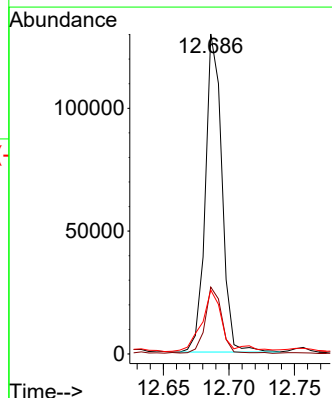
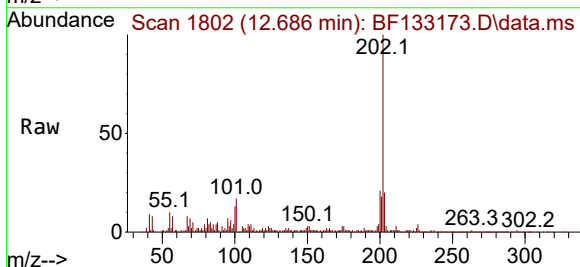
Instrument :
BNA_F
ClientSampleId :
TR-04-42823

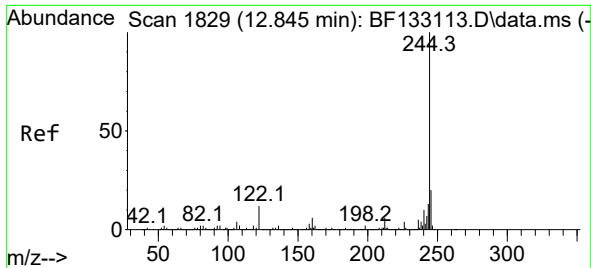
Tgt Ion:184 Resp: 12404
Ion Ratio Lower Upper
184 100
185 19.4 15.4 23.2
183 11.7 9.4 14.0



#78
Pyrene
Concen: 3.944 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion:202 Resp: 113992
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 20.0 14.1 21.1

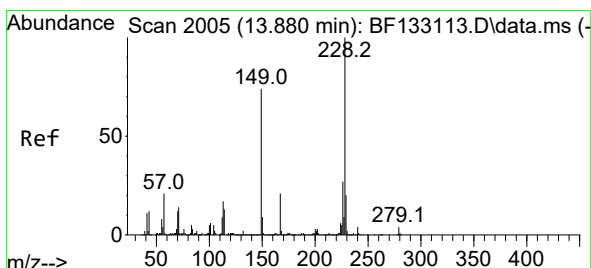
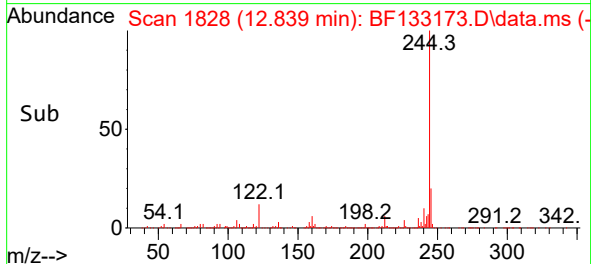
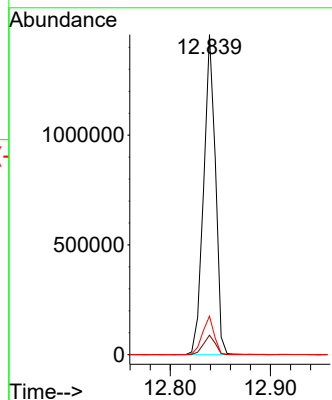
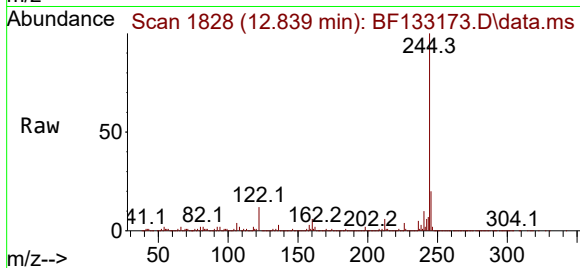




#79
 Terphenyl-d14
 Concen: 61.106 ng
 RT: 12.839 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133173.D
 Acq: 02 May 2023 00:21

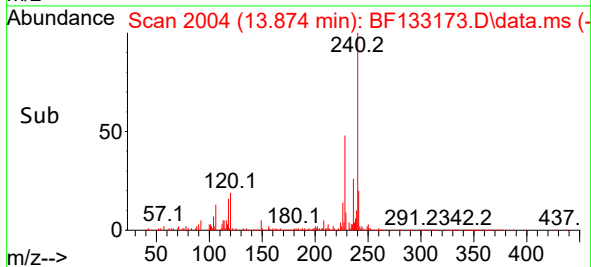
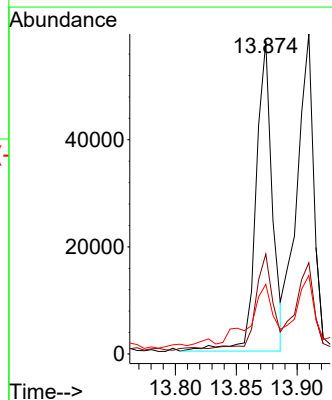
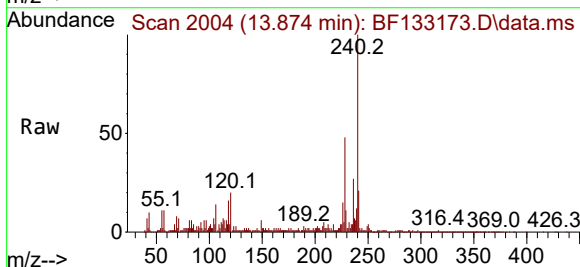
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-42823

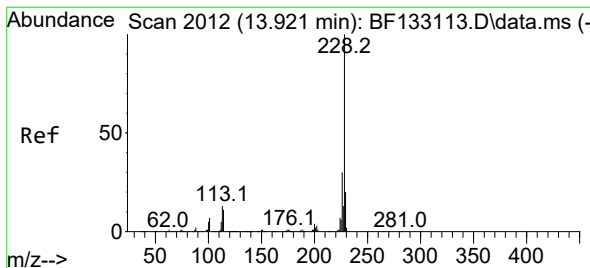
Tgt Ion:244 Resp: 1194495
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.1 7.7
 122 12.0 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 2.317 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. -0.006 min
 Lab File: BF133173.D
 Acq: 02 May 2023 00:21

Tgt Ion:228 Resp: 53724
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.2 33.4
 229 22.3 16.0 24.0





#83

Chrysene

Concen: 2.318 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNF

ClientSampleId :

TR-04-42823

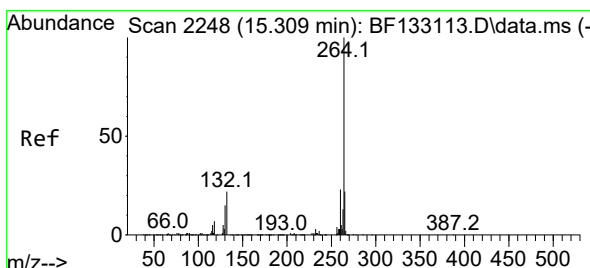
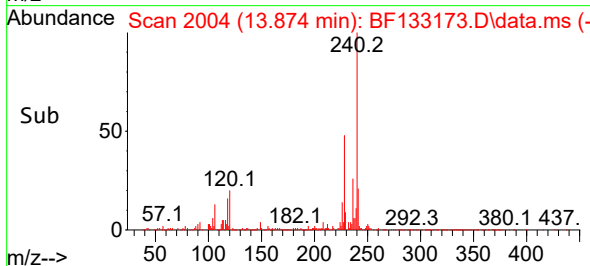
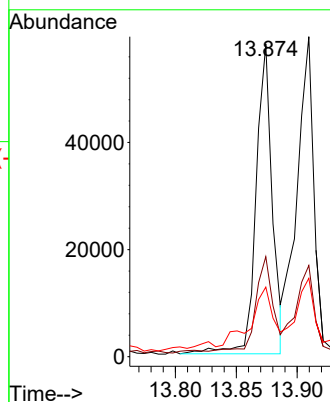
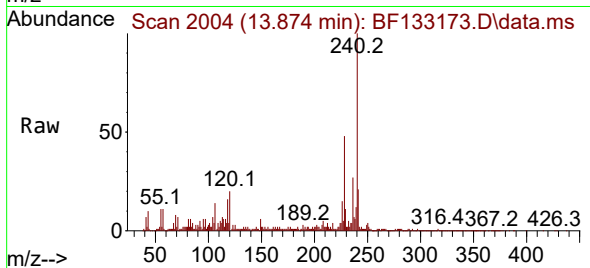
Tgt Ion:228 Resp: 53724

Ion Ratio Lower Upper

228 100

226 32.0 24.7 37.1

229 22.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.000 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

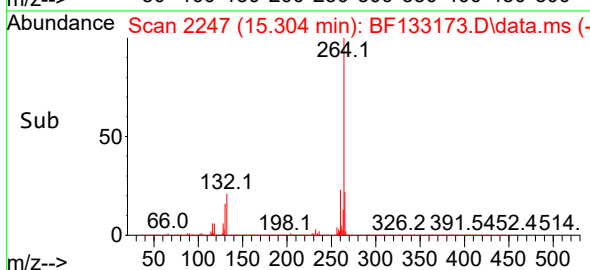
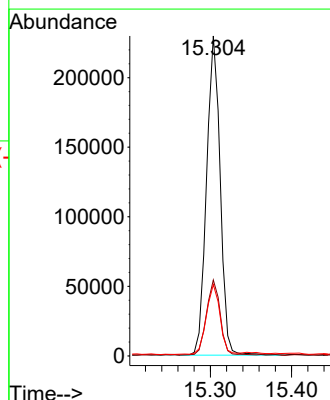
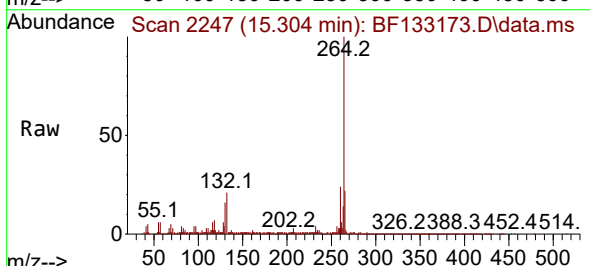
Tgt Ion:264 Resp: 266440

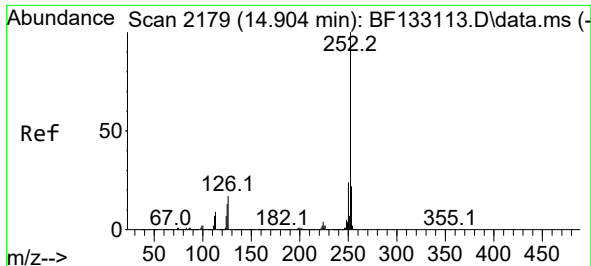
Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.3 17.0 25.4

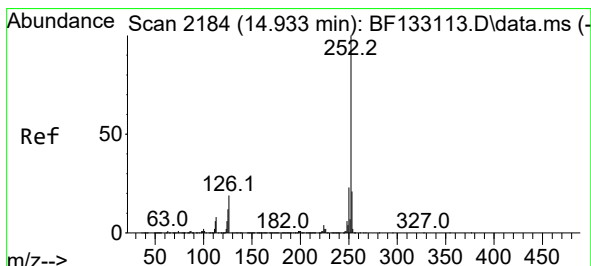
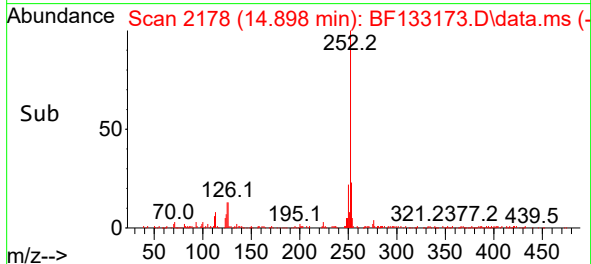
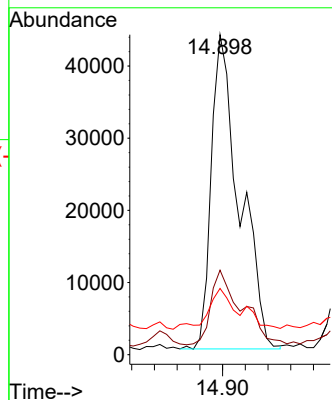
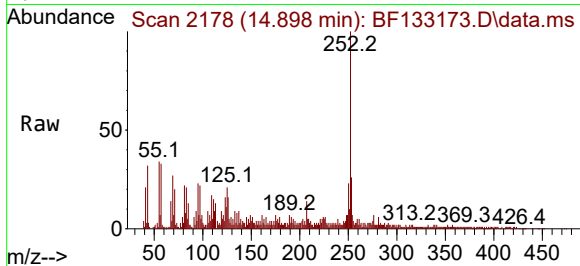




#88
Benzo(b)fluoranthene
Concen: 4.432 ng
RT: 14.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

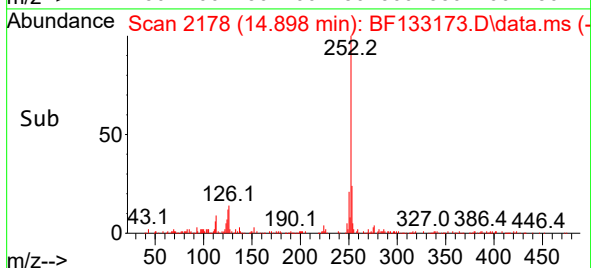
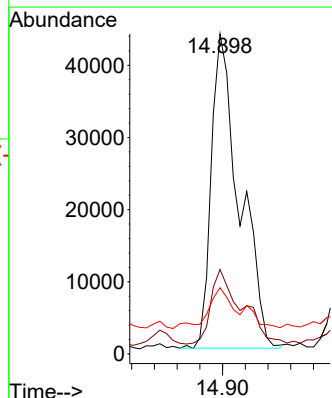
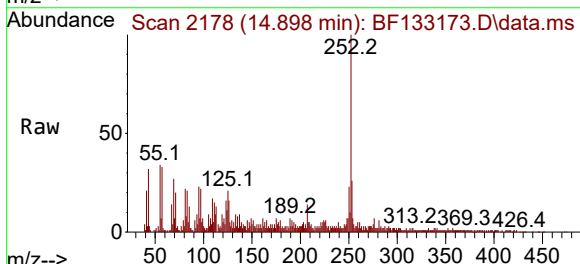
Instrument :
BNA_F
ClientSampleId :
TR-04-42823

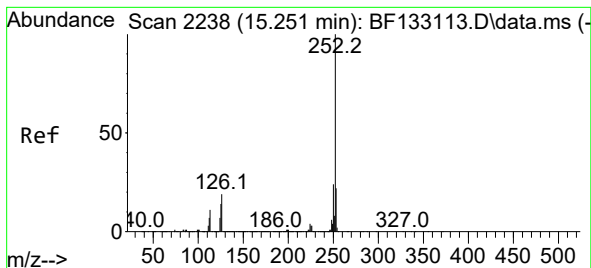
Tgt Ion:252 Resp: 75127
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4
125 20.7 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 4.471 ng
RT: 14.898 min Scan# 2178
Delta R.T. -0.035 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion:252 Resp: 75127
Ion Ratio Lower Upper
252 100
253 26.4 17.7 26.5
125 20.7 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 2.489 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

TR-04-42823

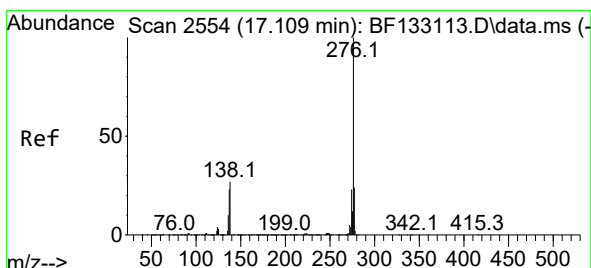
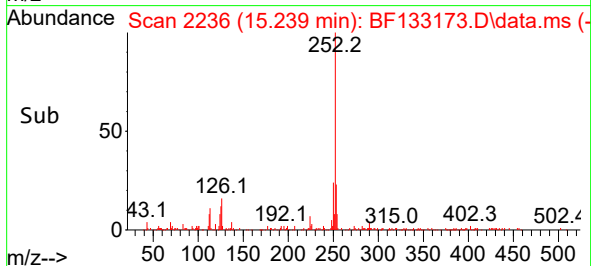
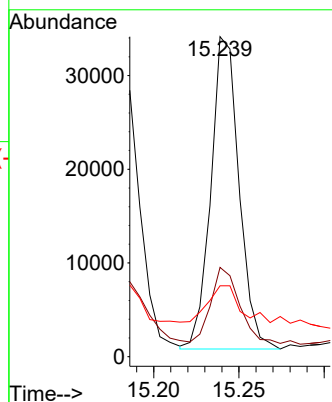
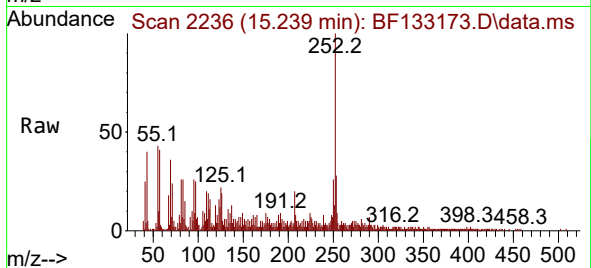
Tgt Ion:252 Resp: 38407

Ion Ratio Lower Upper

252 100

253 27.9 17.7 26.5#

125 22.2 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 2.030 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.018 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Tgt Ion:276 Resp: 25335

Ion Ratio Lower Upper

276 100

277 27.1 19.4 29.0

138 35.4 22.7 34.1#

