

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133423.D
 Acq On : 17 May 2023 20:22
 Operator : CG\JU
 Sample : 02812-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B1-0-3

Quant Time: May 18 04:05:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

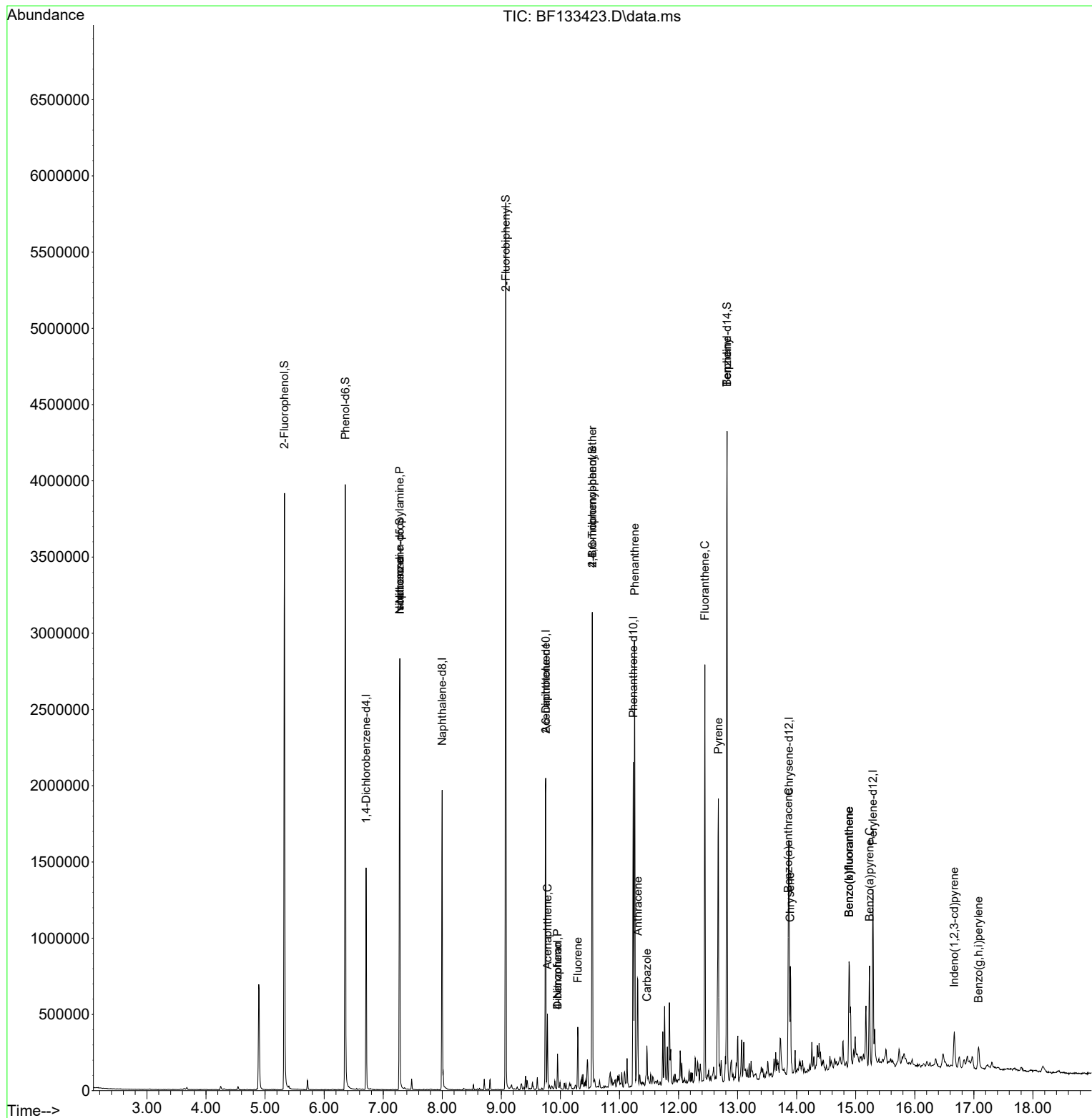
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	206089	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	829698	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	425673	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	741983	20.000	ng	-0.01
76) Chrysene-d12	13.869	240	378182	20.000	ng	-0.02
86) Perylene-d12	15.292	264	478423	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1181736	86.620	ng	0.00
7) Phenol-d6	6.357	99	1461086	86.284	ng	-0.01
23) Nitrobenzene-d5	7.281	82	881126	57.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	372606	87.038	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1675300	65.843	ng	-0.01
79) Terphenyl-d14	12.822	244	1539289	70.198	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.263	77	386	Below Cal	#	55
19) n-Nitroso-di-n-propyla...	7.281	70	114667	10.877	ng	# 72
25) Isophorone	7.281	82	881114	30.191	ng	# 62
51) 2,6-Dinitrotoluene	9.751	165	55486	8.306	ng	# 25
52) Acenaphthene	9.781	154	90973	3.441	ng	98
55) Dibenzofuran	9.951	168	72629	2.014	ng	# 97
56) 4-Nitrophenol	9.951	139	26111	4.244	ng	# 17
58) Fluorene	10.292	166	97474	3.689	ng	97
67) 4-Bromophenyl-phenylether	10.539	248	24109	2.996	ng	# 1
71) Phenanthrene	11.257	178	1005025	25.202	ng	99
72) Anthracene	11.310	178	286702	7.025	ng	99
73) Carbazole	11.463	167	95852	2.638	ng	98
75) Fluoranthene	12.445	202	944058	23.588	ng	97
77) Benzidine	12.822	184	17133	2.679	ng	# 91
78) Pyrene	12.675	202	750252	23.142	ng	100
81) Benzo(a)anthracene	13.857	228	322552	12.403	ng	99
83) Chrysene	13.892	228	275188	10.584	ng	95
87) Indeno(1,2,3-cd)pyrene	16.668	276	142369	5.232	ng	# 91
88) Benzo(b)fluoranthene	14.886	252	499954	16.426	ng	# 98
89) Benzo(k)fluoranthene	14.886	252	499954	16.570	ng	# 98
90) Benzo(a)pyrene	15.233	252	284739	10.278	ng	99
92) Benzo(g,h,i)perylene	17.080	276	109878	4.903	ng	96

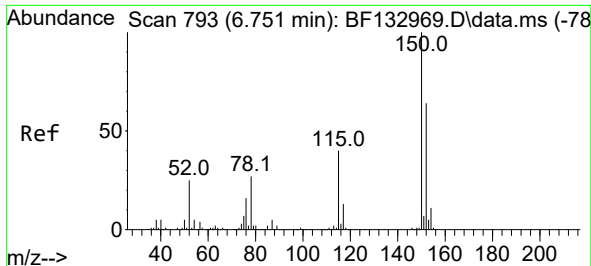
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133423.D
Acq On : 17 May 2023 20:22
Operator : CG\JU
Sample : 02812-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

Quant Time: May 18 04:05:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration

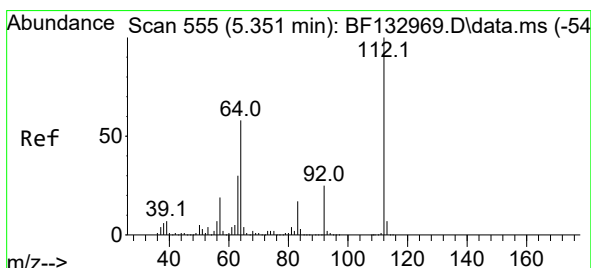
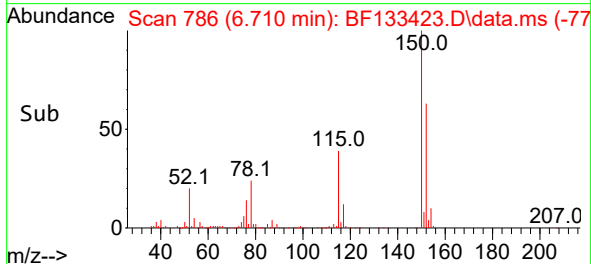
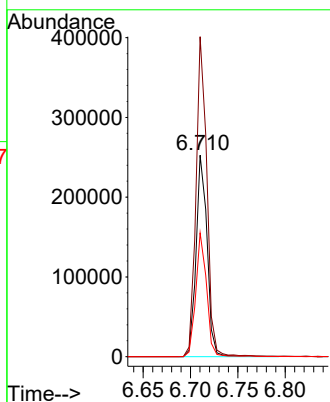
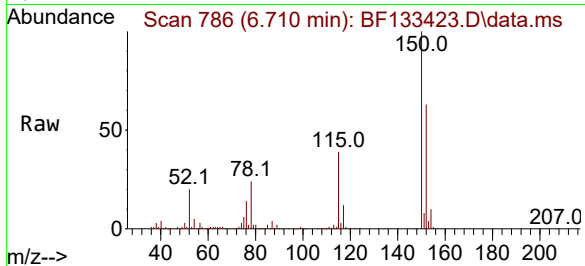




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.710 min Scan# 793
 Delta R.T. -0.012 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

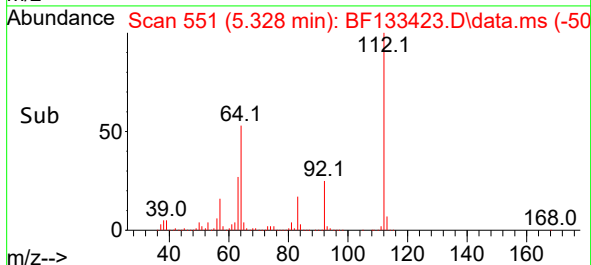
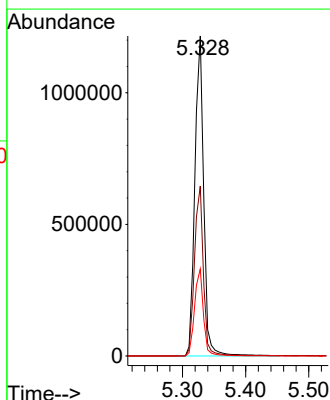
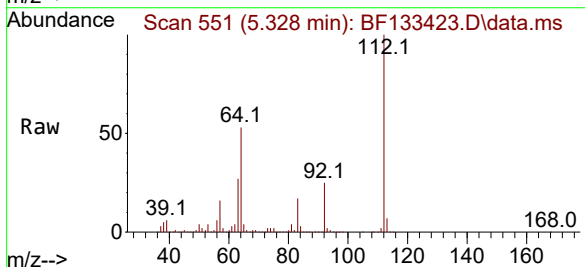
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B1-0-3

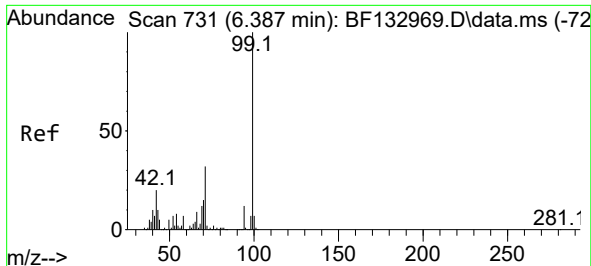
Tgt Ion:152 Resp: 206089
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.8 187.2
 115 61.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 86.620 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.006 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

Tgt Ion:112 Resp: 1181736
 Ion Ratio Lower Upper
 112 100
 64 53.1 46.8 70.2
 63 27.2 23.8 35.8

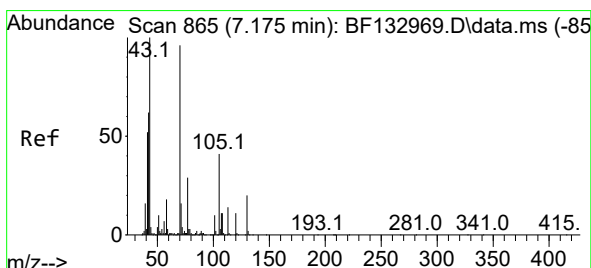
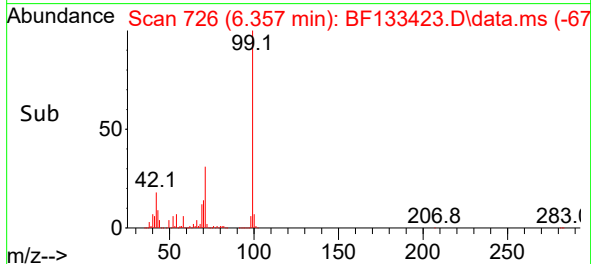
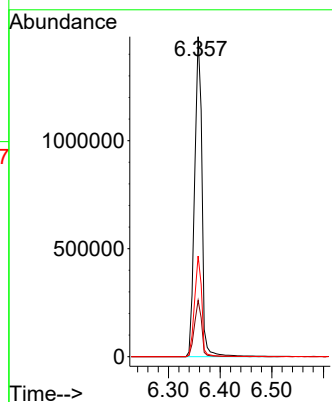
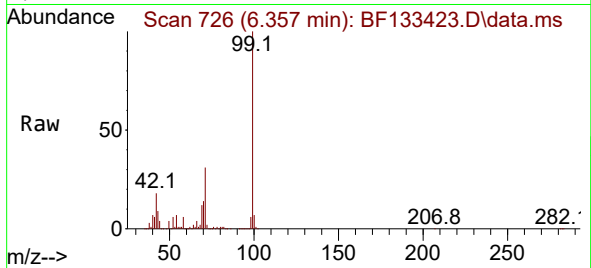




#7
Phenol-d6
Concen: 86.284 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

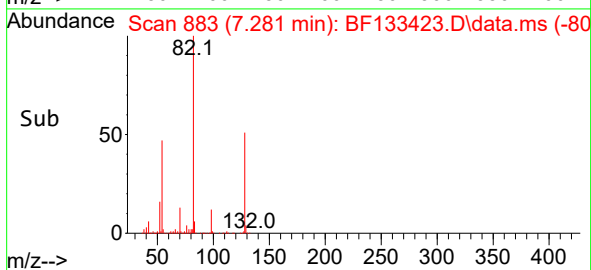
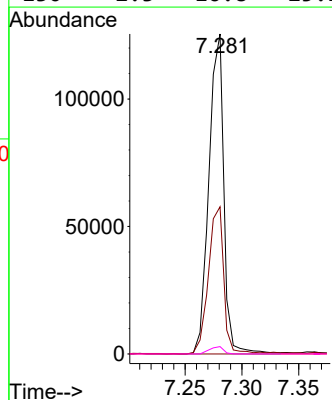
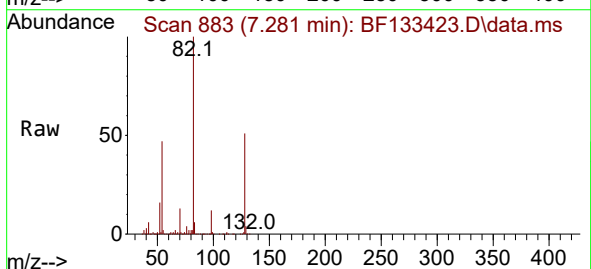
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

Tgt Ion: 99 Resp: 1461086
Ion Ratio Lower Upper
99 100
42 17.6 16.3 24.5
71 31.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.877 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion: 70 Resp: 114667
Ion Ratio Lower Upper
70 100
42 46.0 51.8 77.6#
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.998 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

Tgt Ion:136 Resp: 829698

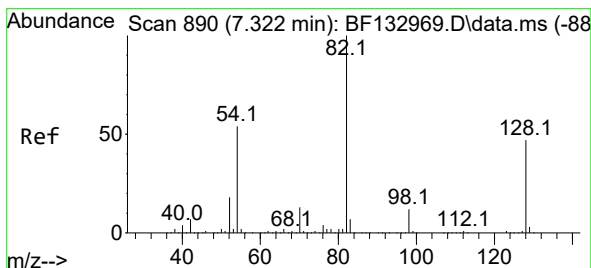
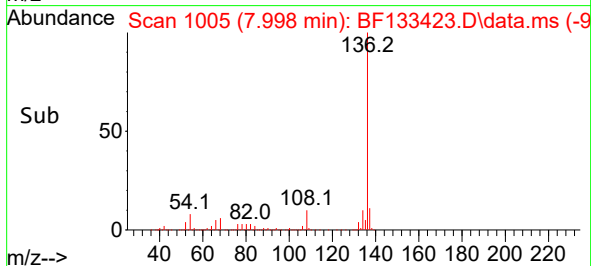
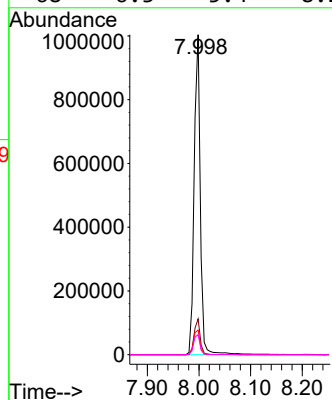
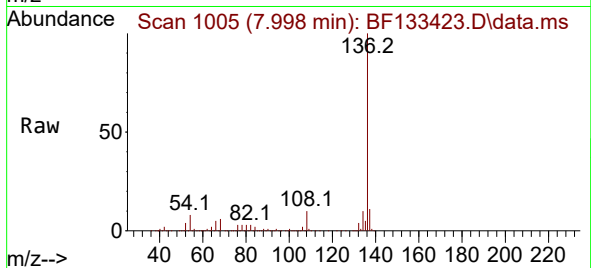
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 7.7 7.0 10.4

68 6.3 5.4 8.2



#23

Nitrobenzene-d5

Concen: 57.323 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

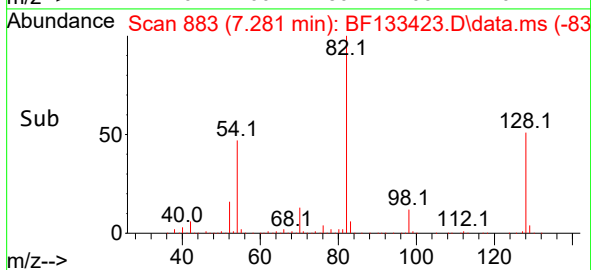
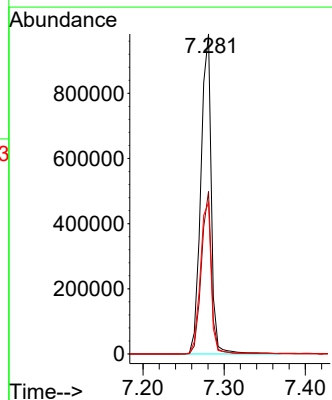
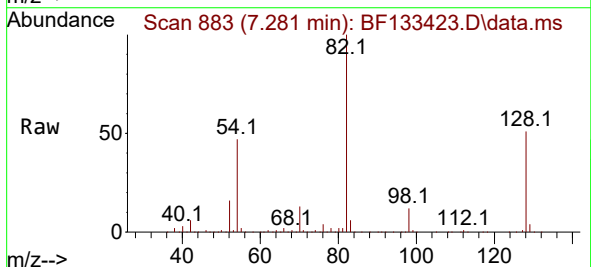
Tgt Ion: 82 Resp: 881126

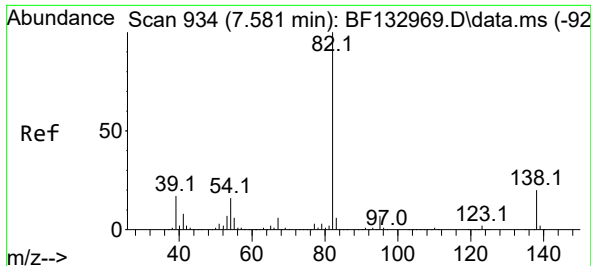
Ion Ratio Lower Upper

82 100

128 50.8 37.7 56.5

54 47.3 43.0 64.4

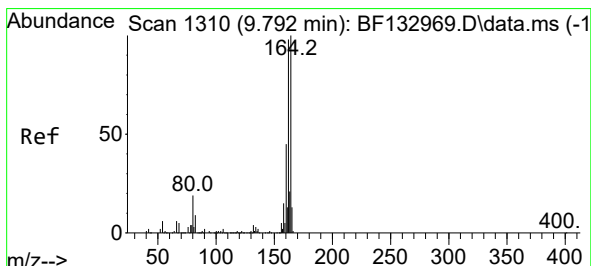
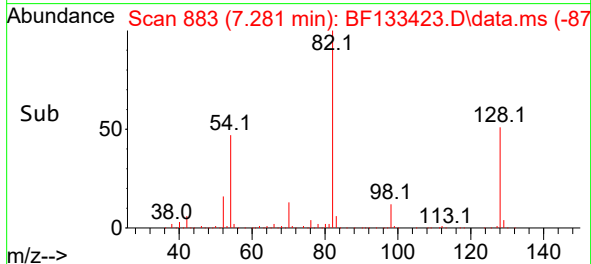
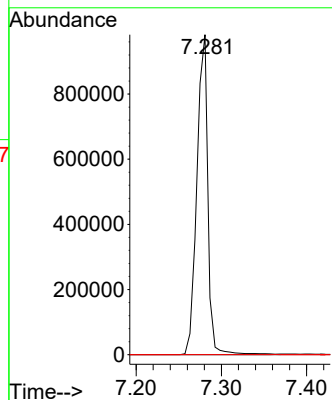
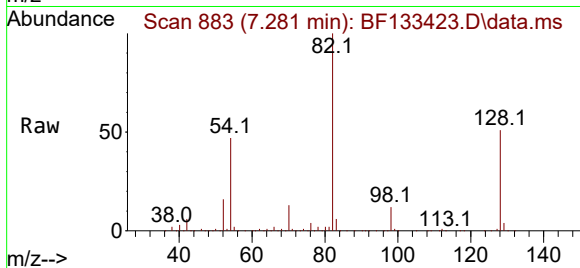




#25
Isophorone
Concen: 30.191 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

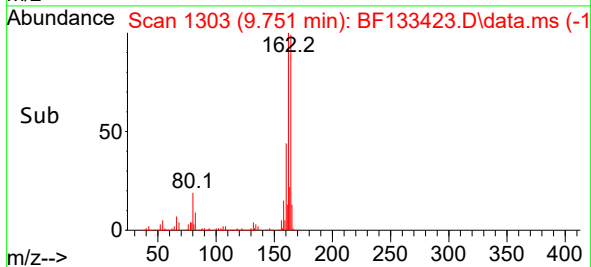
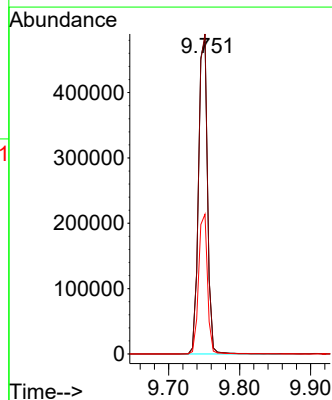
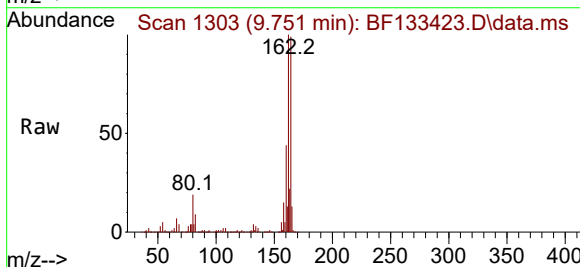
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

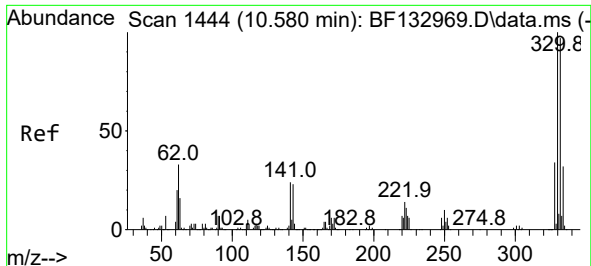
Tgt Ion: 82 Resp: 881114
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:164 Resp: 425673
Ion Ratio Lower Upper
164 100
162 101.3 78.7 118.1
160 44.2 35.8 53.6

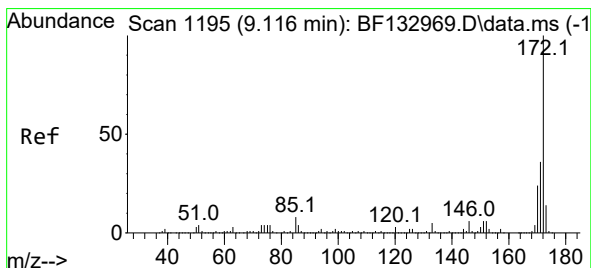
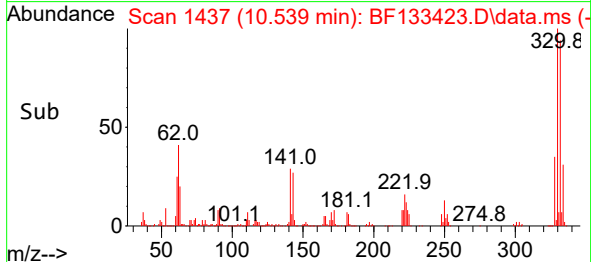
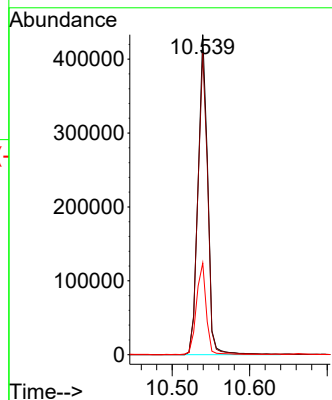
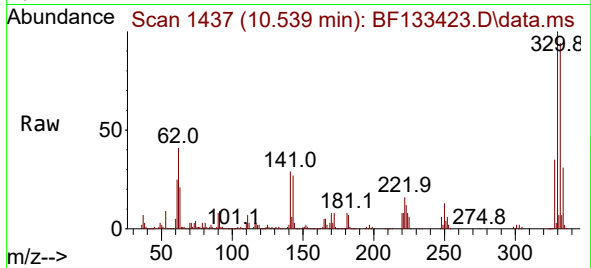




#42
2,4,6-Tribromophenol
Concen: 87.038 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

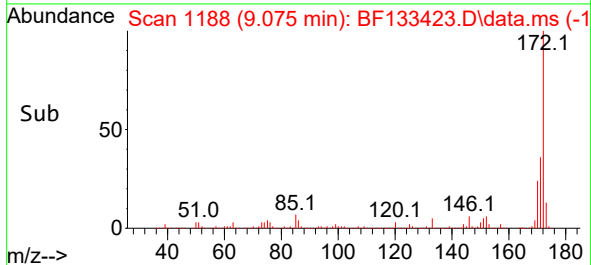
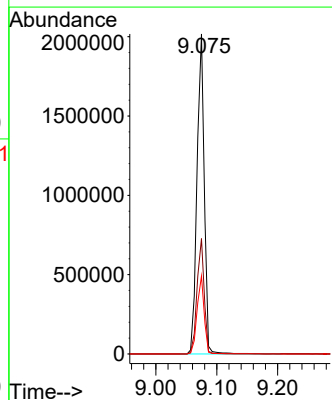
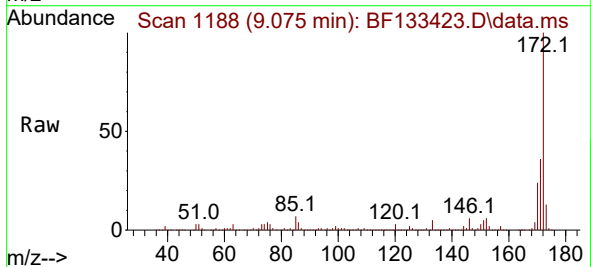
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

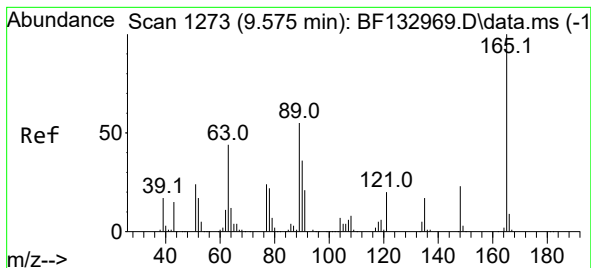
Tgt Ion:330 Resp: 372606
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 29.6 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 65.843 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:172 Resp: 1675300
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.4 19.4 29.2

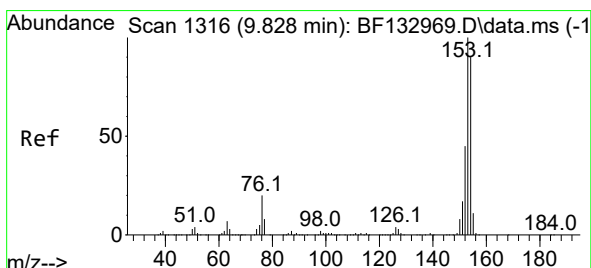
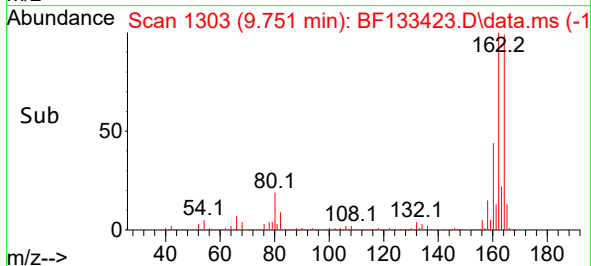
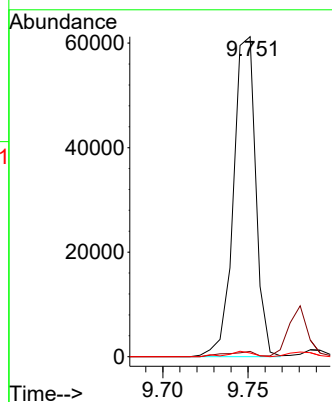
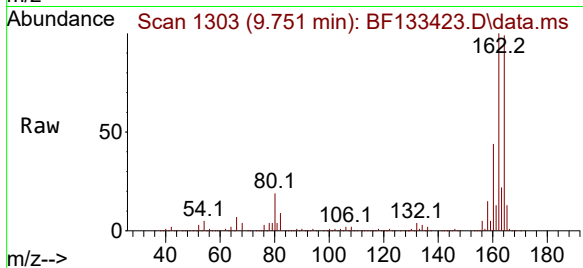




#51
2,6-Dinitrotoluene
Concen: 8.306 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

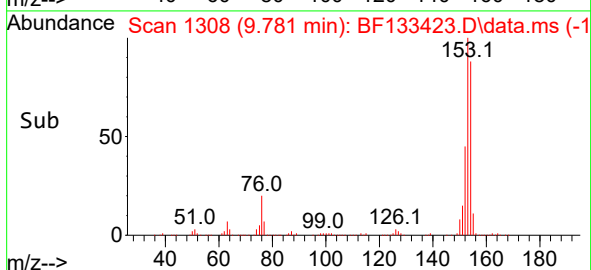
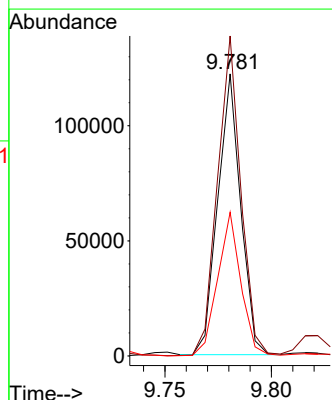
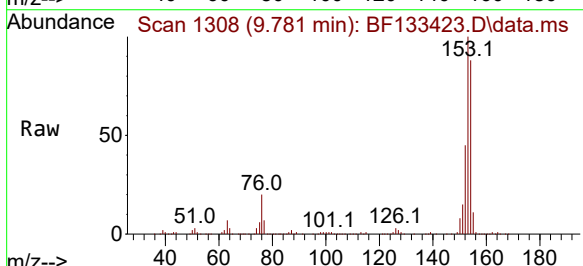
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

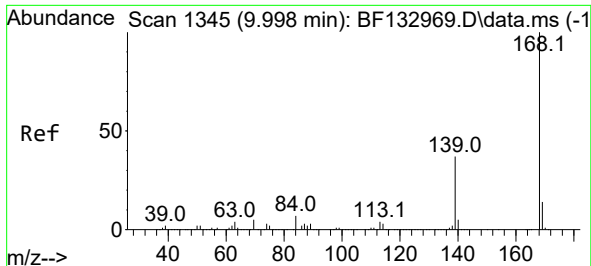
Tgt Ion:165 Resp: 55486
Ion Ratio Lower Upper
165 100
63 1.6 45.9 68.9#
89 1.2 44.0 66.0#



#52
Acenaphthene
Concen: 3.441 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:154 Resp: 90973
Ion Ratio Lower Upper
154 100
153 113.4 89.0 133.6
152 50.9 40.4 60.6





#55

Dibenzenofuran

Concen: 2.014 ng

RT: 9.951 min Scan# 1337

Delta R.T. -0.018 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

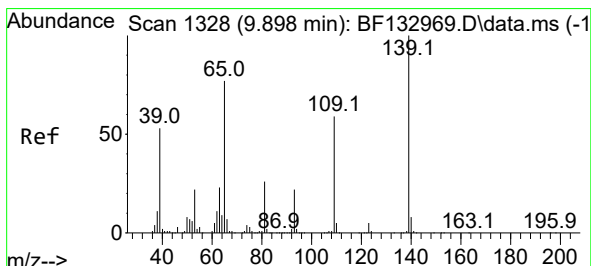
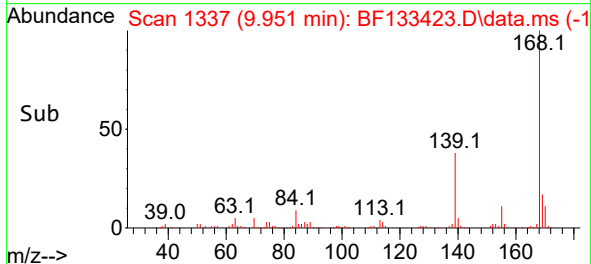
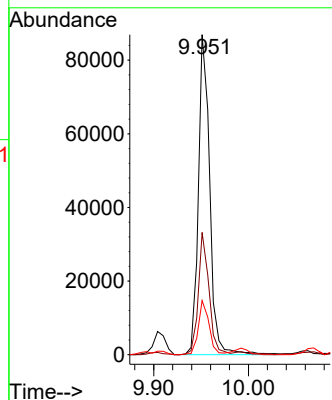
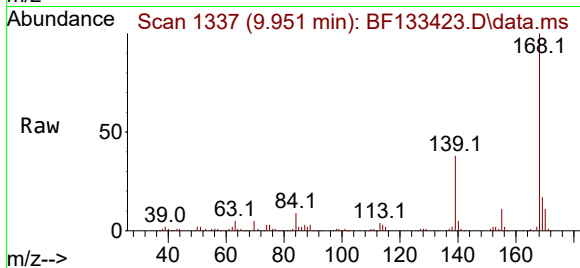
Tgt Ion:168 Resp: 72629

Ion Ratio Lower Upper

168 100

139 38.2 29.8 44.8

169 16.9 10.8 16.2#



#56

4-Nitrophenol

Concen: 4.244 ng

RT: 9.951 min Scan# 1337

Delta R.T. 0.059 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

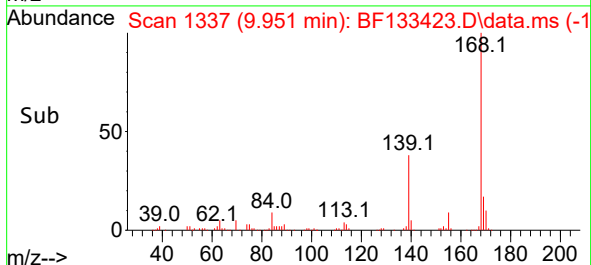
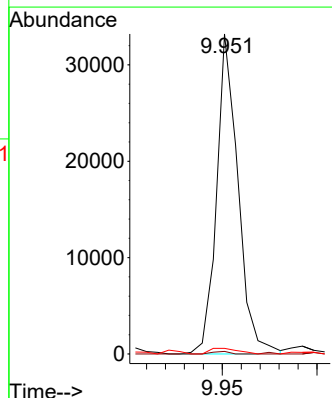
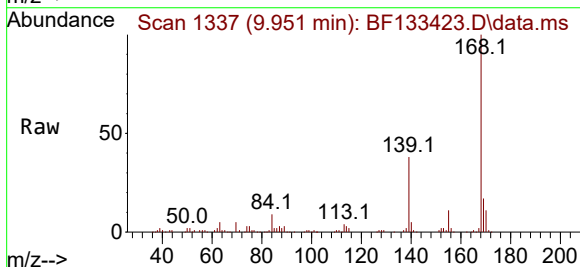
Tgt Ion:139 Resp: 26111

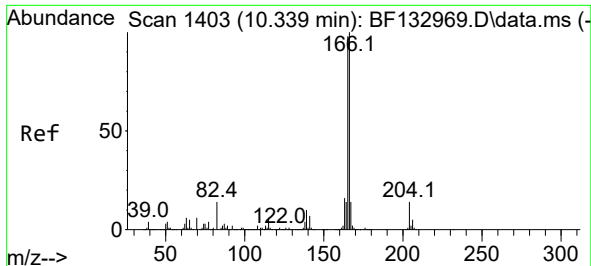
Ion Ratio Lower Upper

139 100

109 0.8 39.4 79.4#

65 1.7 57.5 97.5#

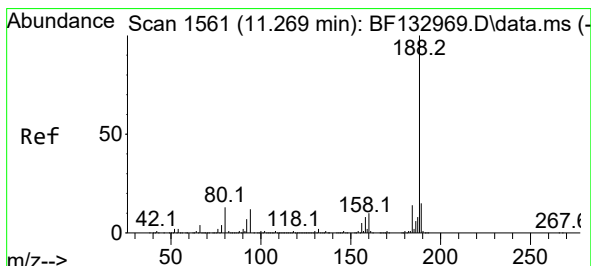
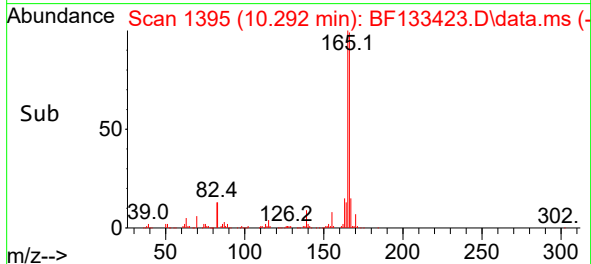
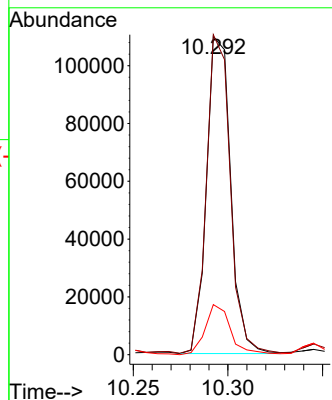
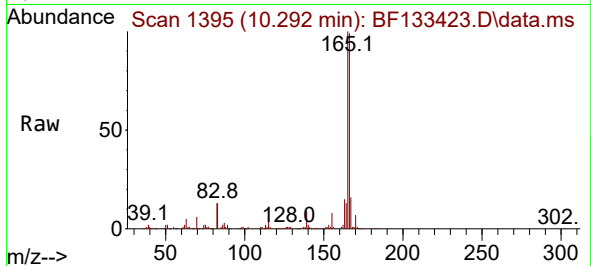




#58
Fluorene
Concen: 3.689 ng
RT: 10.292 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

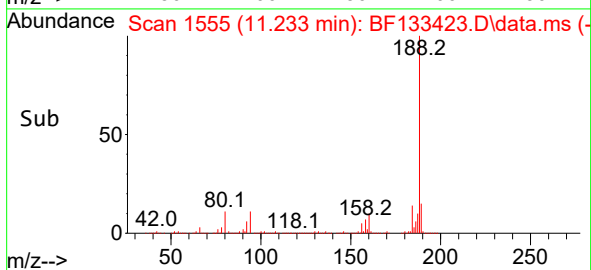
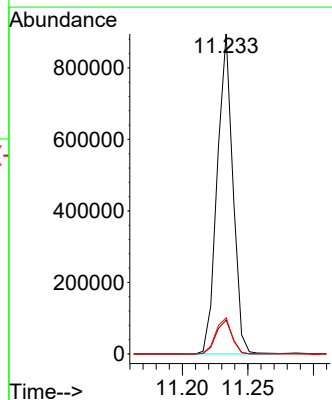
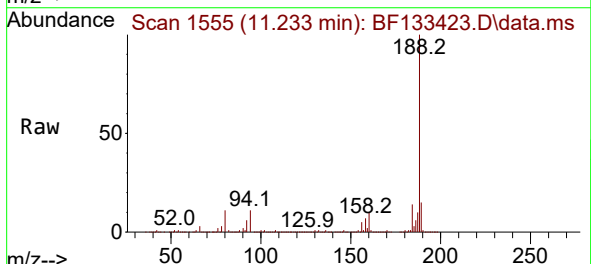
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

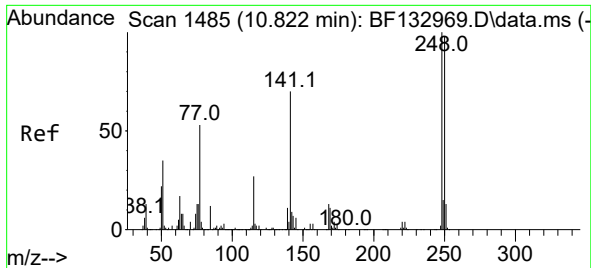
Tgt Ion:166 Resp: 97474
Ion Ratio Lower Upper
166 100
165 100.6 78.6 117.8
167 15.7 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:188 Resp: 741983
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 11.3 10.4 15.6

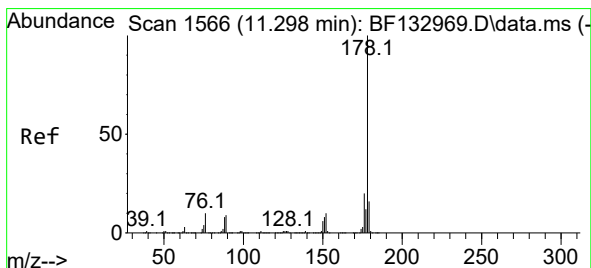
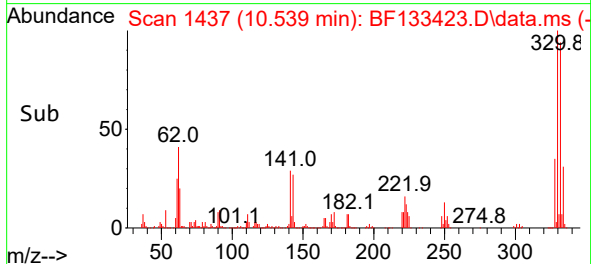
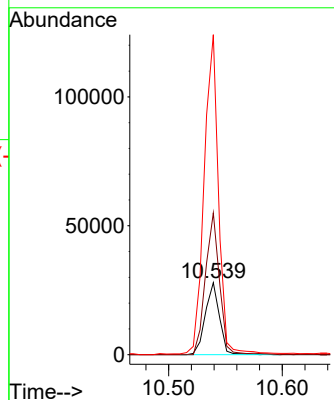
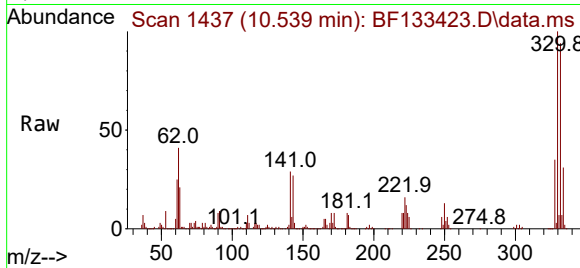




#67
4-Bromophenyl-phenylether
Concen: 2.996 ng
RT: 10.539 min Scan# 1485
Delta R.T. -0.253 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

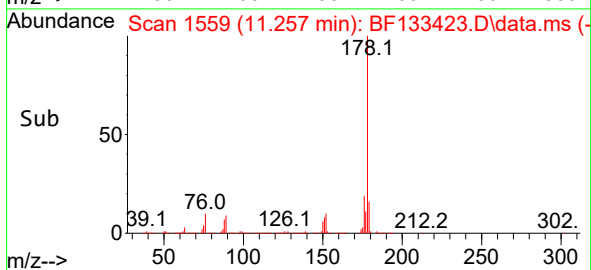
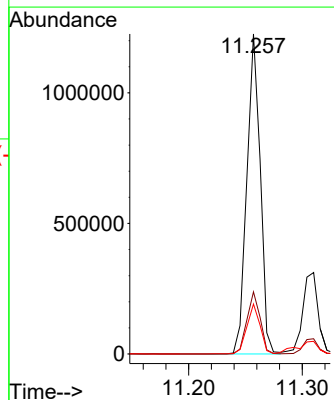
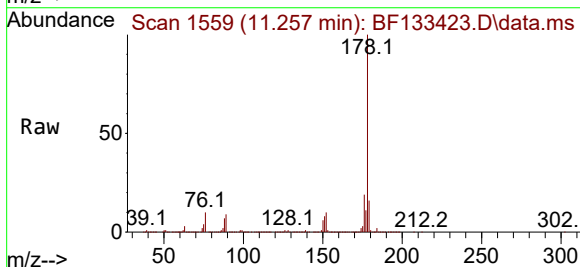
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

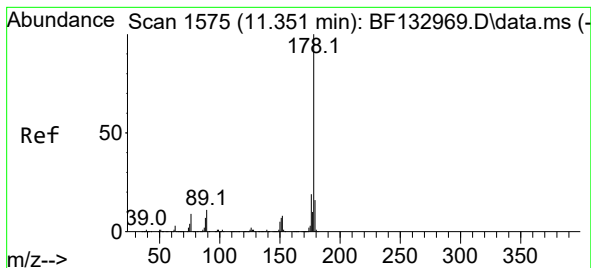
Tgt Ion:248 Resp: 24109
Ion Ratio Lower Upper
248 100
250 196.9 78.7 118.1#
141 444.4 56.3 84.5#



#71
Phenanthrene
Concen: 25.202 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:178 Resp: 1005025
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.6 12.5 18.7





#72

Anthracene

Concen: 7.025 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

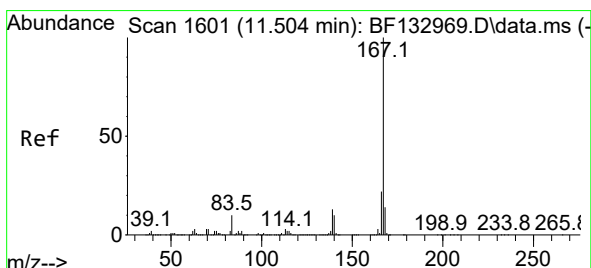
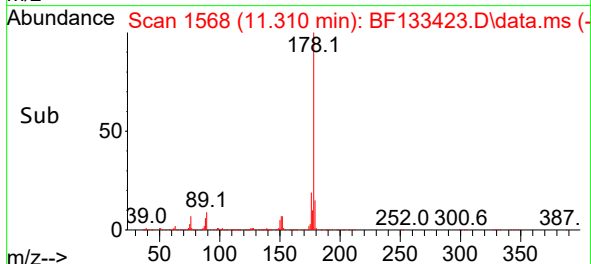
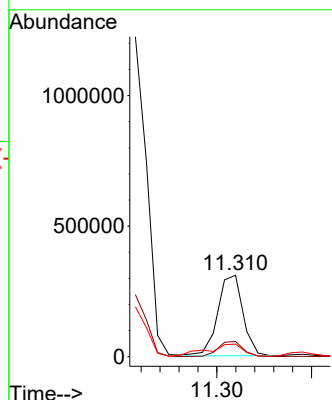
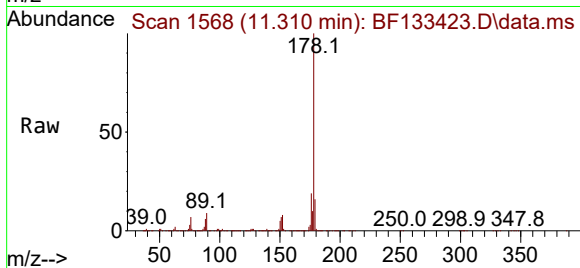
Tgt Ion:178 Resp: 286702

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.5 12.4 18.6



#73

Carbazole

Concen: 2.638 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.018 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

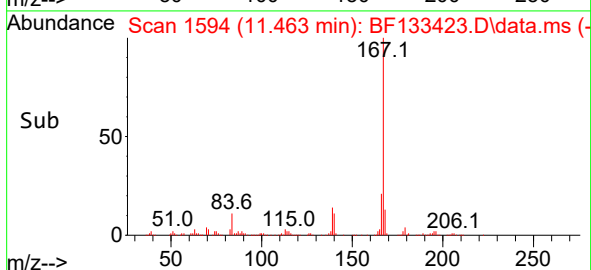
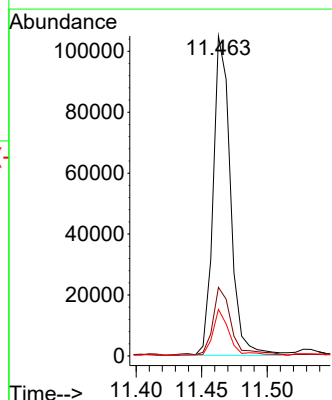
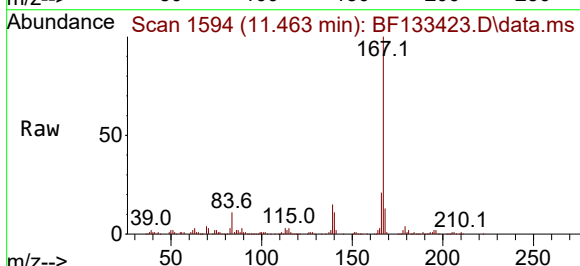
Tgt Ion:167 Resp: 95852

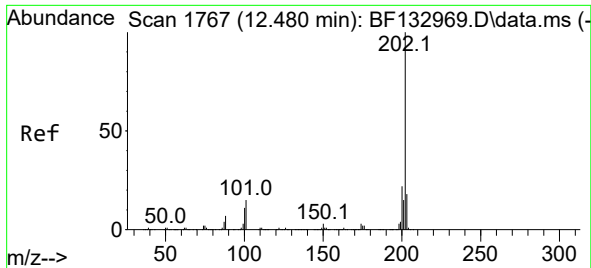
Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.0

139 14.5 10.6 16.0

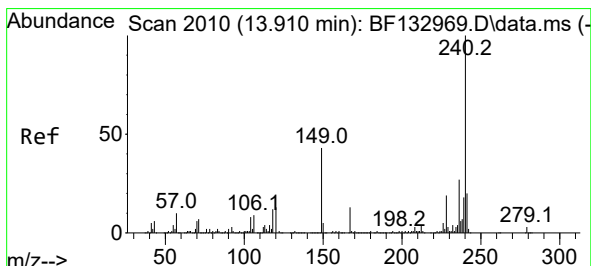
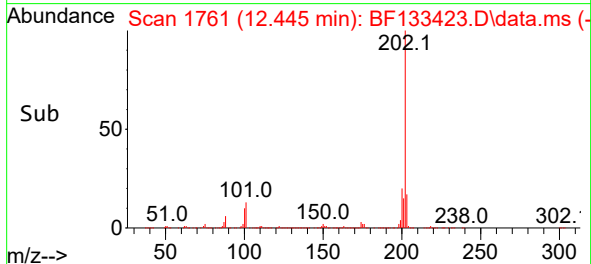
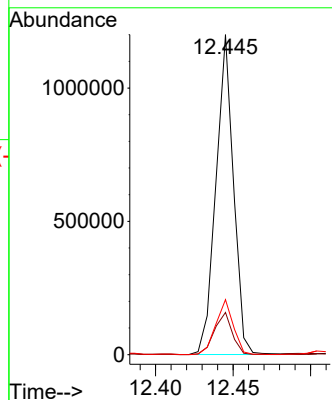
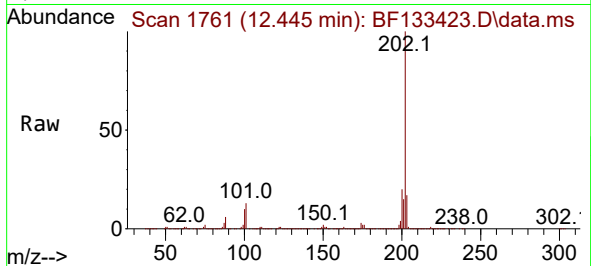




#75
Fluoranthene
Concen: 23.588 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

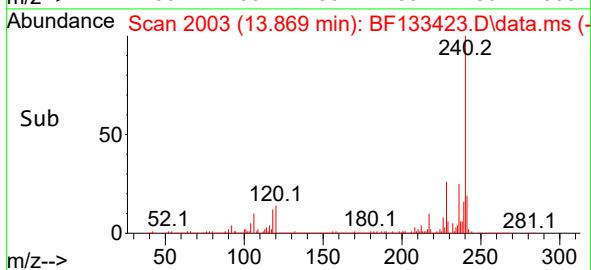
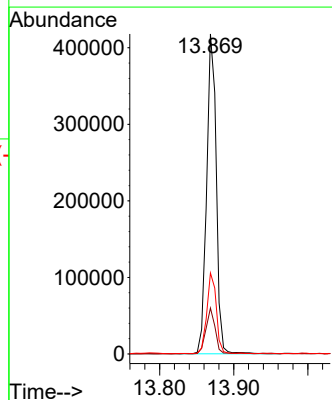
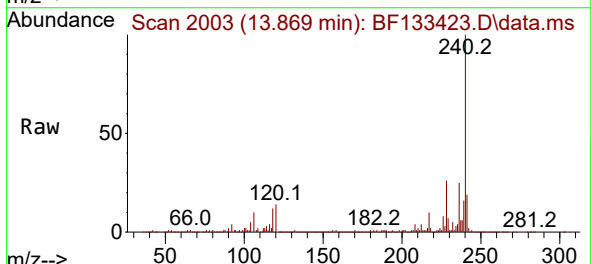
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

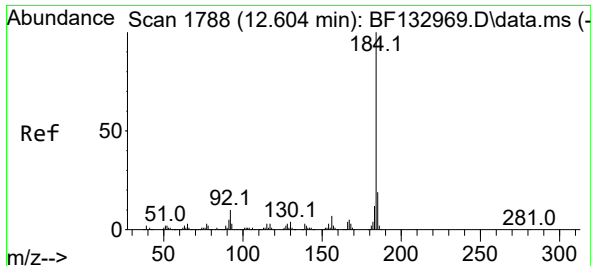
Tgt Ion:202 Resp: 944058
Ion Ratio Lower Upper
202 100
101 13.2 0.0 35.3
203 17.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.869 min Scan# 2003
Delta R.T. -0.018 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:240 Resp: 378182
Ion Ratio Lower Upper
240 100
120 14.4 10.5 15.7
236 25.3 21.5 32.3

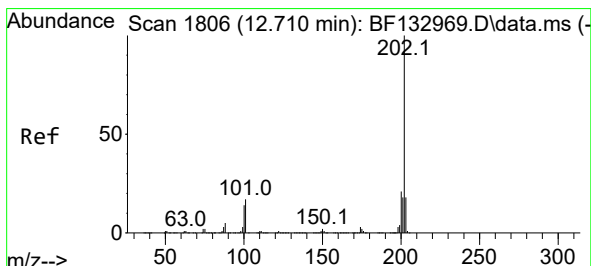
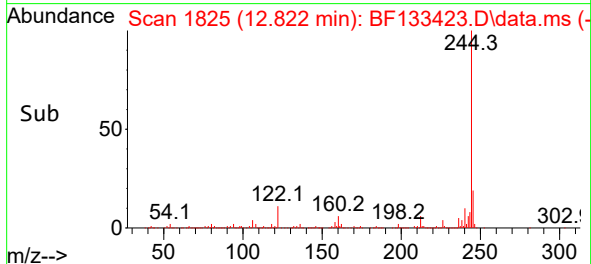
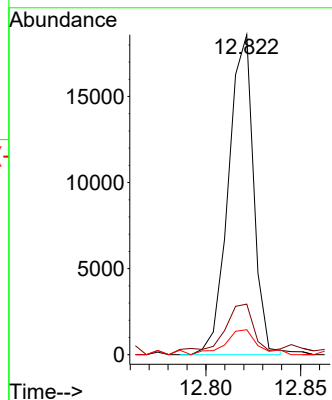
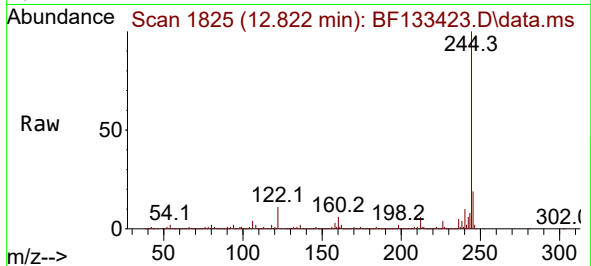




#77
Benzidine
Concen: 2.679 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.241 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

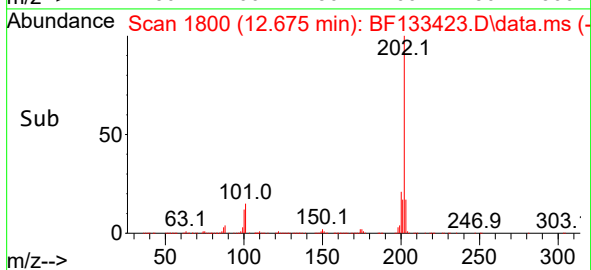
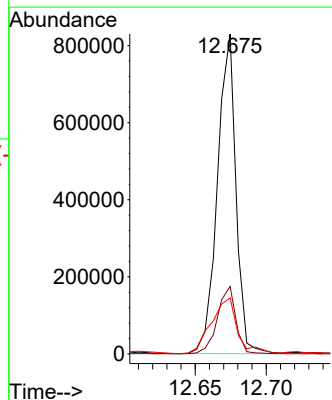
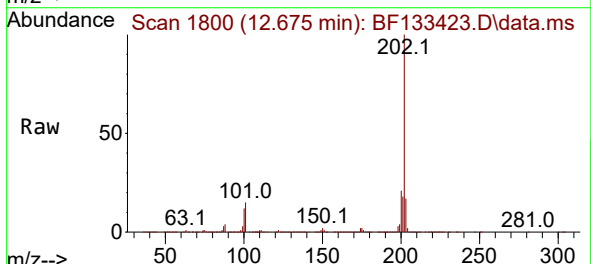
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

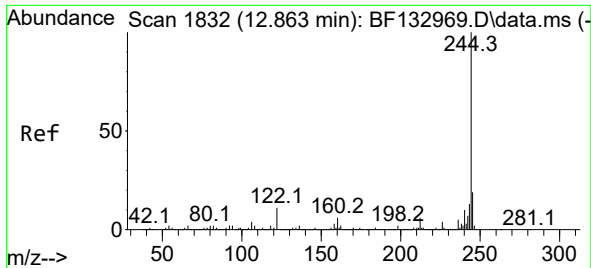
Tgt Ion:184 Resp: 17133
Ion Ratio Lower Upper
184 100
185 15.8 15.4 23.2
183 7.8 9.4 14.0#



#78
Pyrene
Concen: 23.142 ng
RT: 12.675 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:202 Resp: 750252
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.5 14.1 21.1

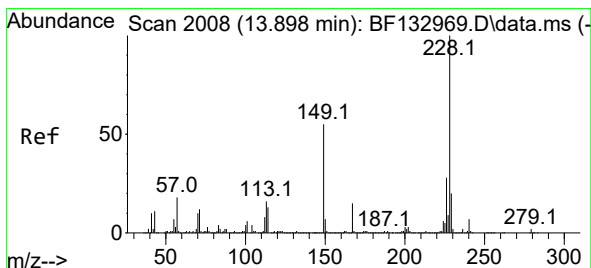
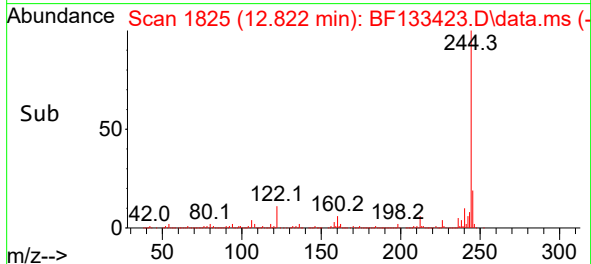
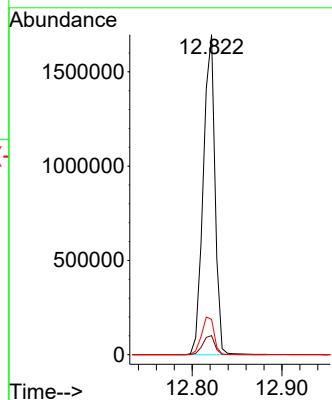
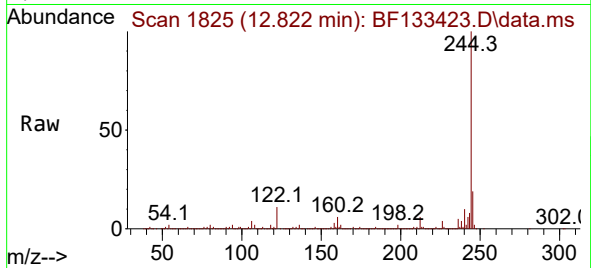




#79
 Terphenyl-d14
 Concen: 70.198 ng
 RT: 12.822 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

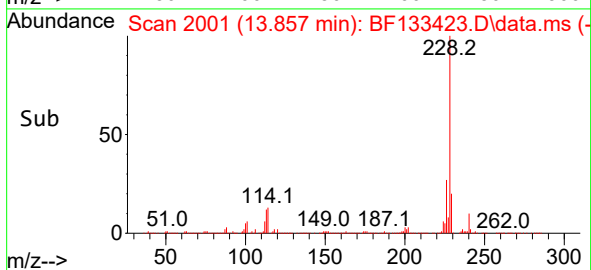
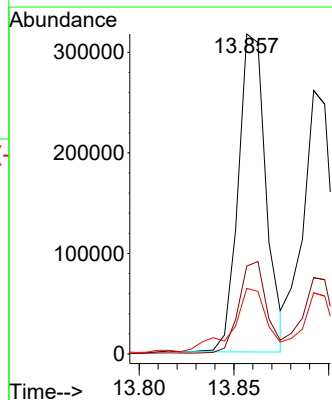
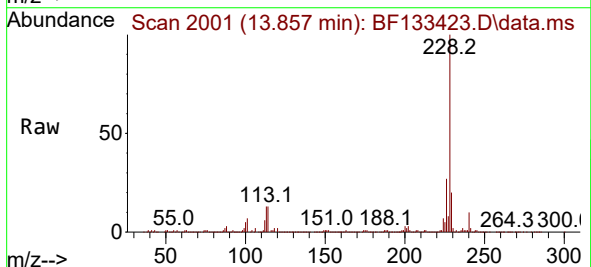
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B1-0-3

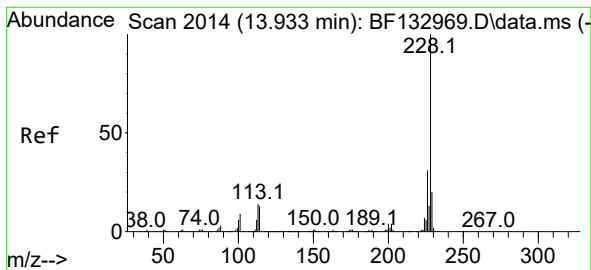
Tgt Ion:244 Resp: 1539289
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 11.1 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 12.403 ng
 RT: 13.857 min Scan# 2001
 Delta R.T. -0.018 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

Tgt Ion:228 Resp: 322552
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.2 33.4
 229 20.5 16.0 24.0





#83

Chrysene

Concen: 10.584 ng

RT: 13.892 min Scan# 2014

Delta R.T. -0.018 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

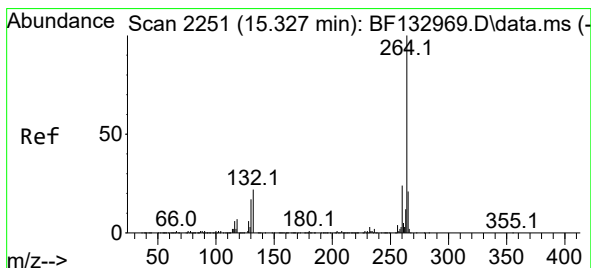
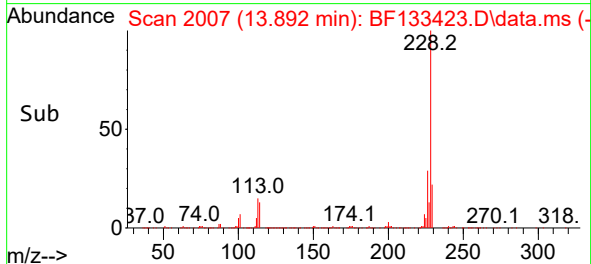
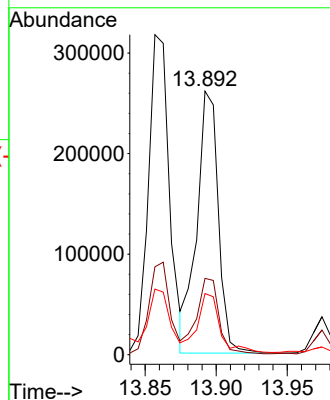
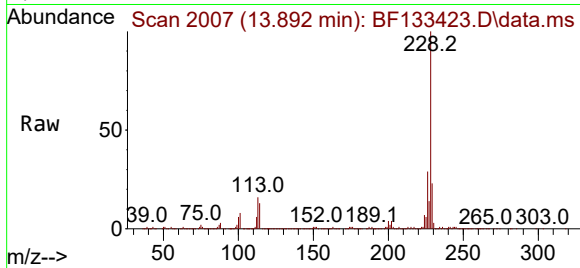
Tgt Ion:228 Resp: 275188

Ion Ratio Lower Upper

228 100

226 29.0 24.7 37.1

229 23.2 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

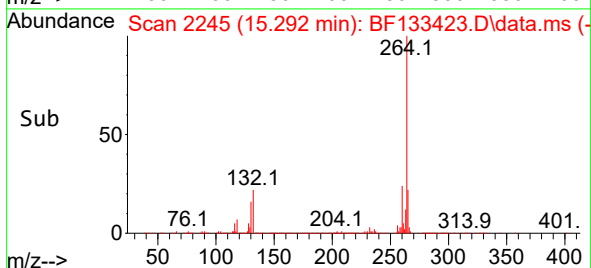
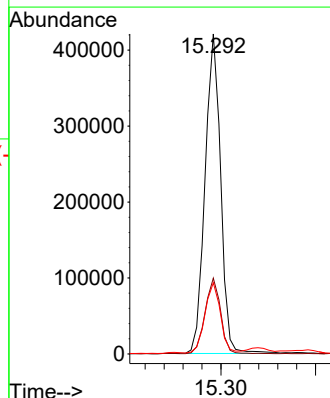
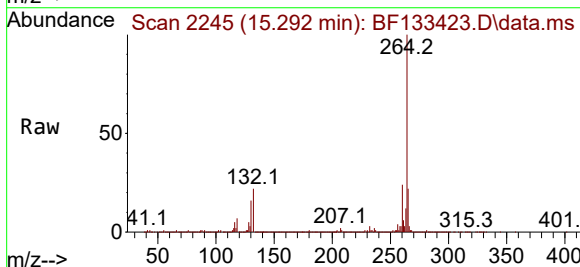
Tgt Ion:264 Resp: 478423

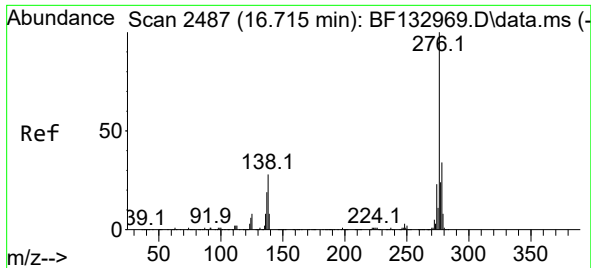
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.3 17.0 25.4

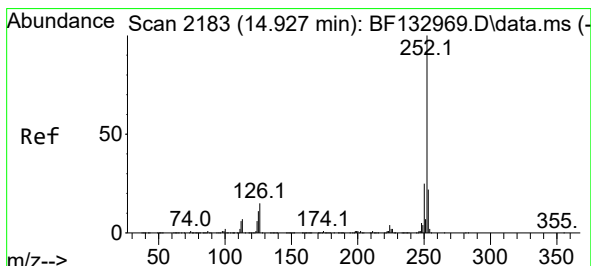
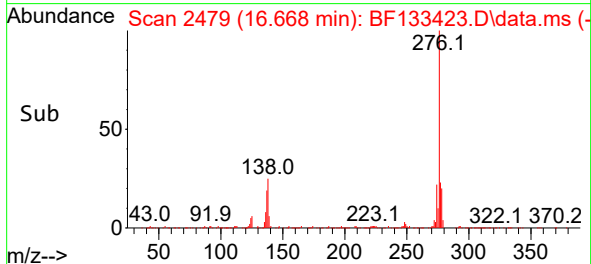
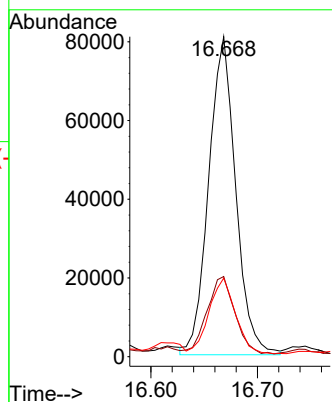
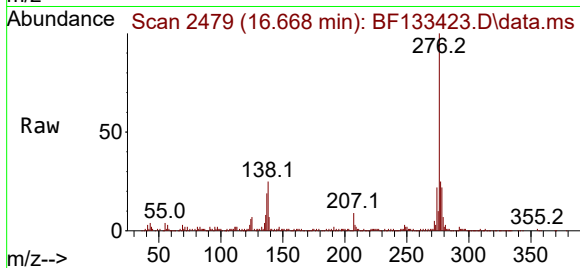




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.232 ng
 RT: 16.668 min Scan# 2487
 Delta R.T. -0.029 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

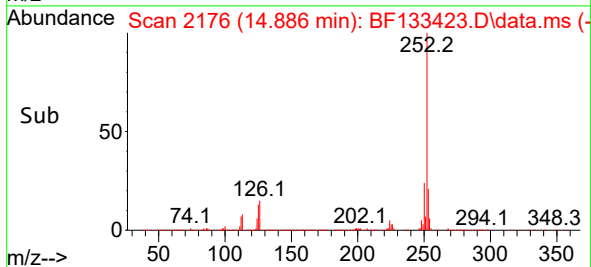
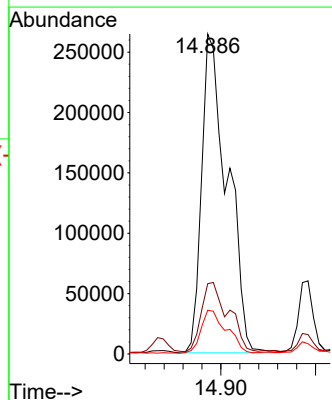
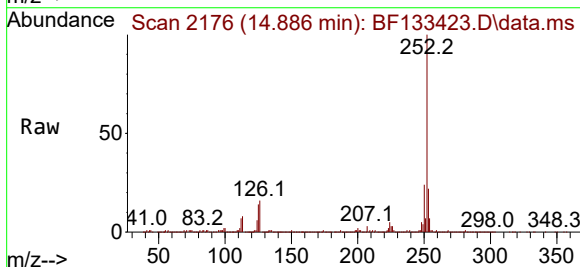
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B1-0-3

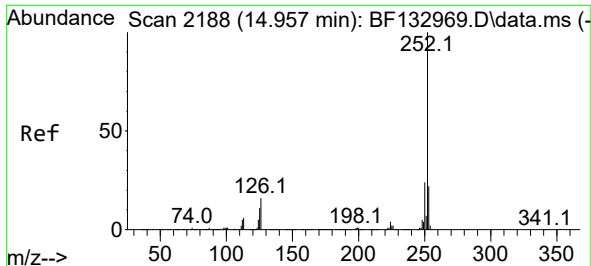
Tgt Ion:276 Resp: 142369
 Ion Ratio Lower Upper
 276 100
 138 25.2 25.5 38.3#
 277 23.2 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 16.426 ng
 RT: 14.886 min Scan# 2176
 Delta R.T. -0.012 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

Tgt Ion:252 Resp: 499954
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.6 26.4
 125 13.6 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 16.570 ng

RT: 14.886 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

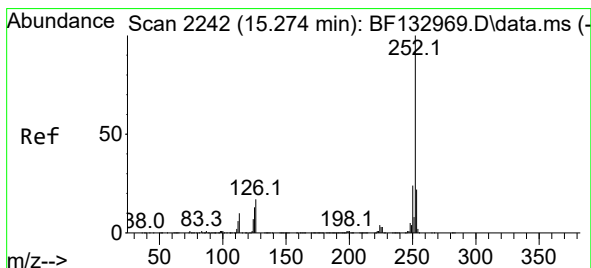
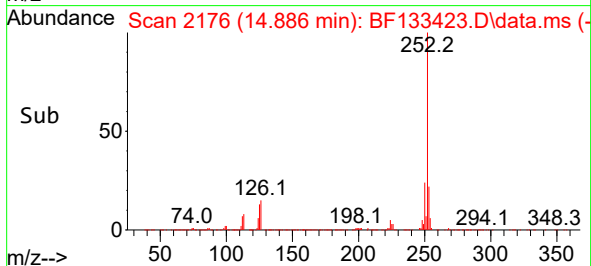
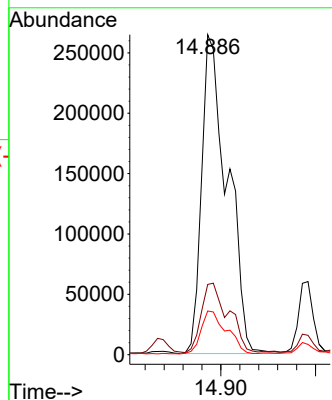
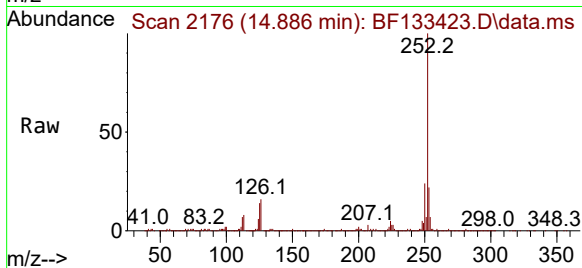
Tgt Ion:252 Resp: 499954

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 13.6 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 10.278 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

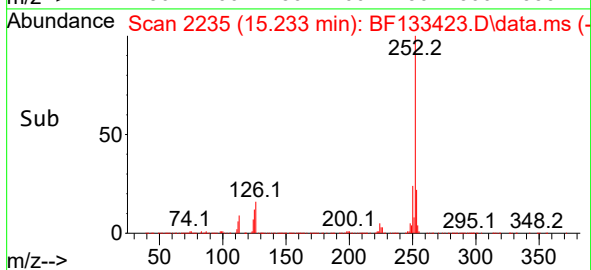
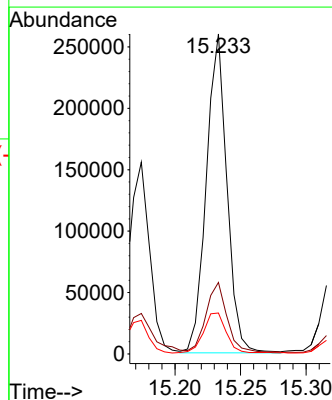
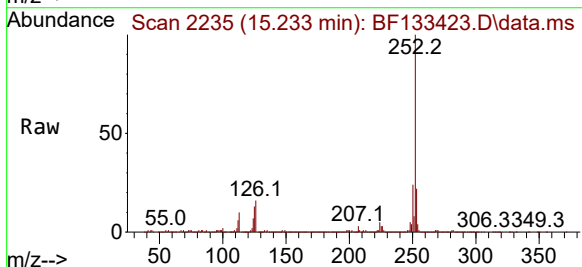
Tgt Ion:252 Resp: 284739

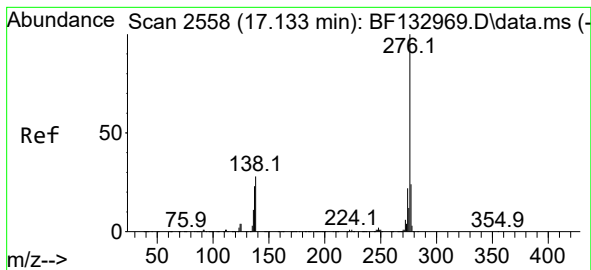
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 12.8 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 4.903 ng

RT: 17.080 min Scan# 2

Delta R.T. -0.029 min

Lab File: BF133423.D

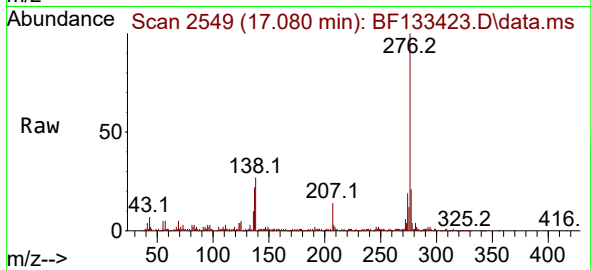
Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3



Tgt Ion:276 Resp: 109878

Ion Ratio Lower Upper

276 100

277 21.4 19.4 29.0

138 27.1 22.7 34.1

