

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133376.D
 Acq On : 12 May 2023 18:51
 Operator : CG\JU
 Sample : 02757-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: May 12 23:36:26 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)

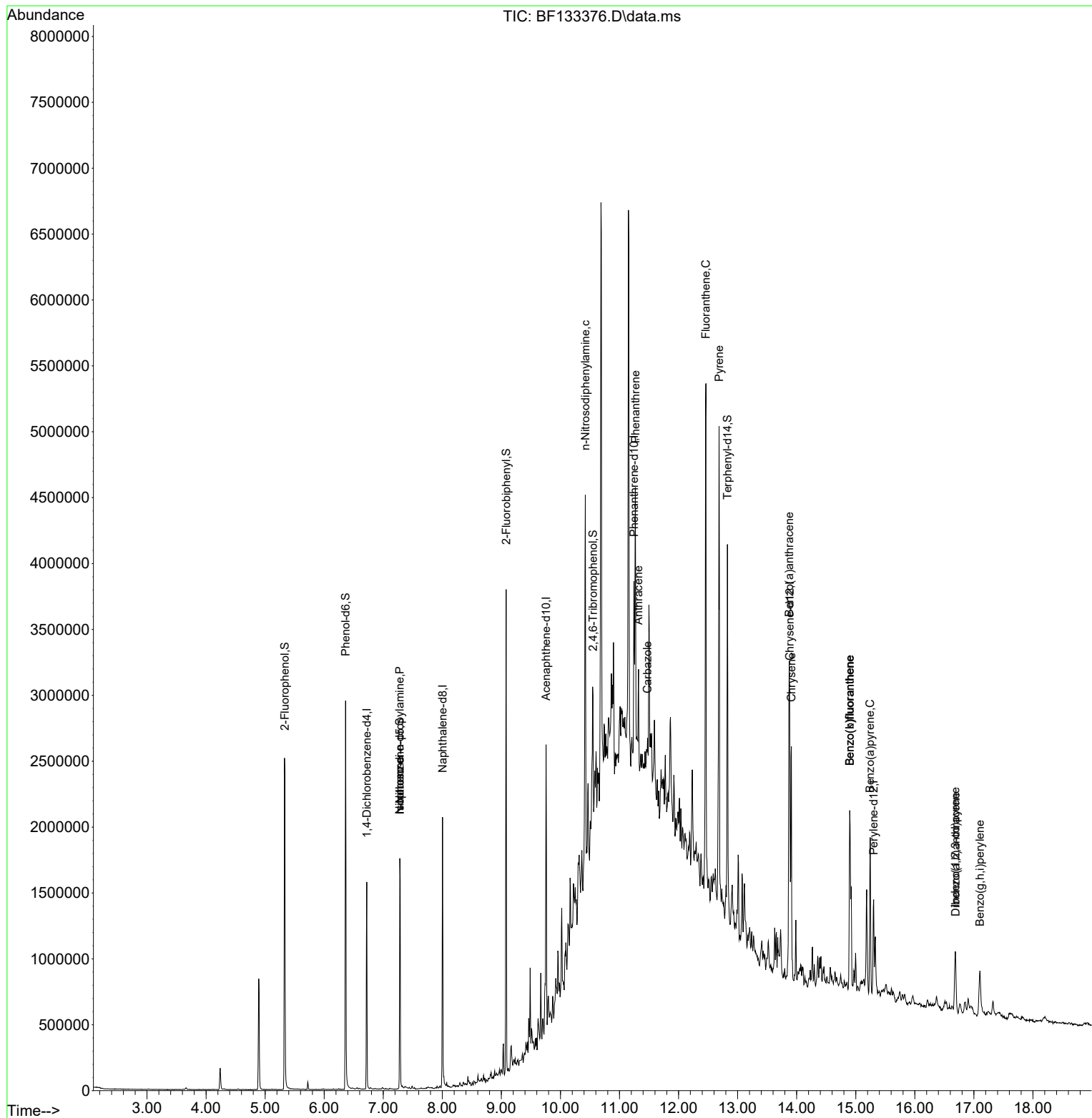
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	213813	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	819429	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	353065	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	540493	20.000	ng	0.00
76) Chrysene-d12	13.880	240	375684	20.000	ng	0.00
86) Perylene-d12	15.304	264	322844	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	777185	54.909	ng	0.00
7) Phenol-d6	6.363	99	935213	53.233	ng	0.00
23) Nitrobenzene-d5	7.281	82	536565	35.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	159891	45.030	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	980513	46.462	ng	0.00
79) Terphenyl-d14	12.827	244	907467	41.659	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	932	Below Cal	#	67
19) n-Nitroso-di-n-propyla...	7.281	70	71701	6.556	ng	# 78
25) Isophorone	7.281	82	534675	18.550	ng	# 63
66) n-Nitrosodiphenylamine	10.422	169	39967	2.280	ng	# 50
71) Phenanthrene	11.269	178	707474	24.354	ng	99
72) Anthracene	11.322	178	234567	7.890	ng	97
73) Carbazole	11.475	167	67833	2.562	ng	# 81
75) Fluoranthene	12.463	202	1667081	57.180	ng	97
78) Pyrene	12.686	202	1568613	48.707	ng	98
81) Benzo(a)anthracene	13.874	228	851753	32.969	ng	99
83) Chrysene	13.910	228	732700	28.368	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	294895	16.058	ng	92
88) Benzo(b)fluoranthene	14.898	252	1020125	49.668	ng	# 96
89) Benzo(k)fluoranthene	14.898	252	1020125	50.104	ng	# 96
90) Benzo(a)pyrene	15.245	252	517334	27.673	ng	98
91) Dibenzo(a,h)anthracene	16.692	278	68994	4.505	ng	93
92) Benzo(g,h,i)perylene	17.104	276	264430	17.487	ng	97

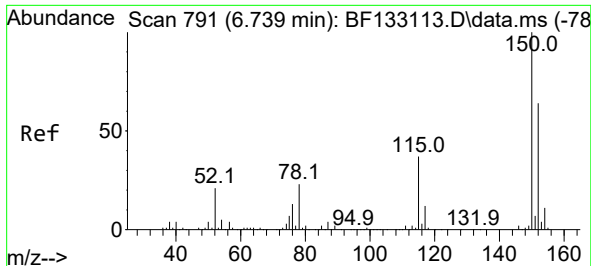
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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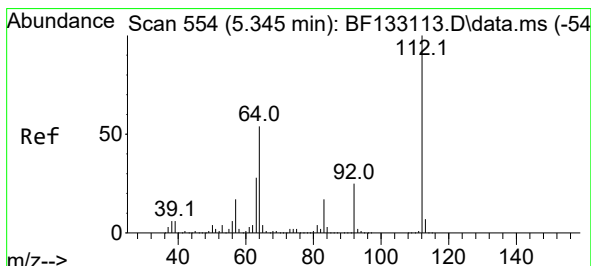
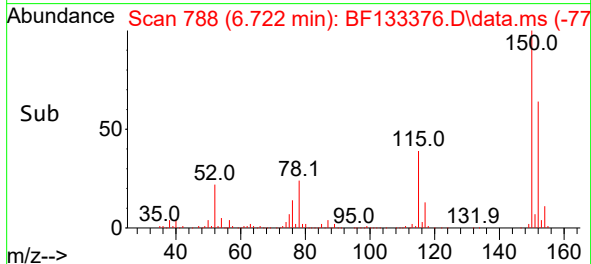
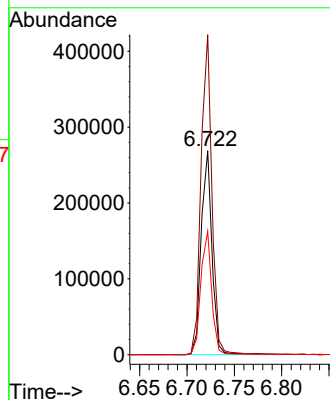
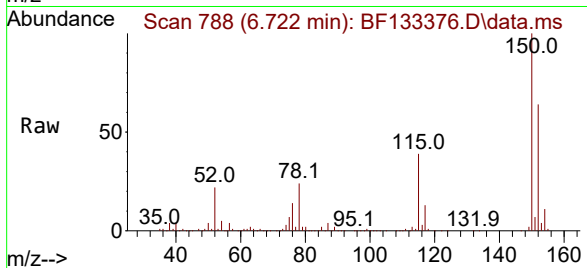




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133376.D
 Acq: 12 May 2023 18:51

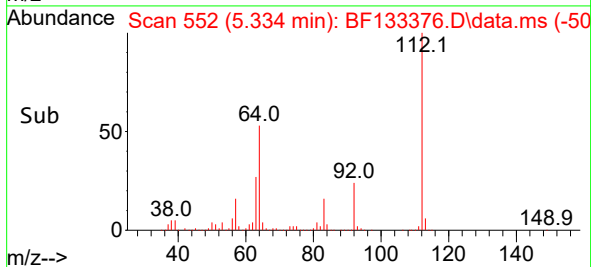
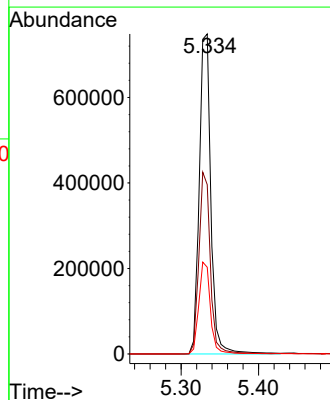
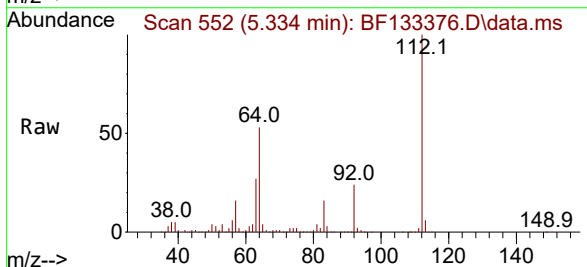
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

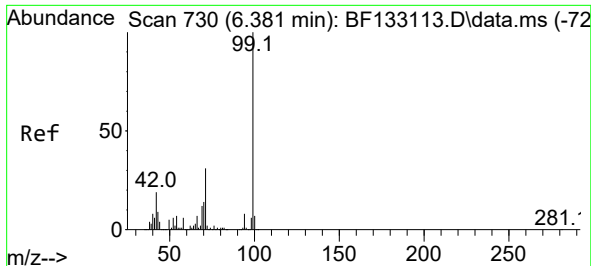
Tgt Ion:152 Resp: 213813
 Ion Ratio Lower Upper
 152 100
 150 156.9 124.8 187.2
 115 60.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 54.909 ng
 RT: 5.334 min Scan# 552
 Delta R.T. 0.006 min
 Lab File: BF133376.D
 Acq: 12 May 2023 18:51

Tgt Ion:112 Resp: 777185
 Ion Ratio Lower Upper
 112 100
 64 52.9 46.8 70.2
 63 27.1 23.8 35.8

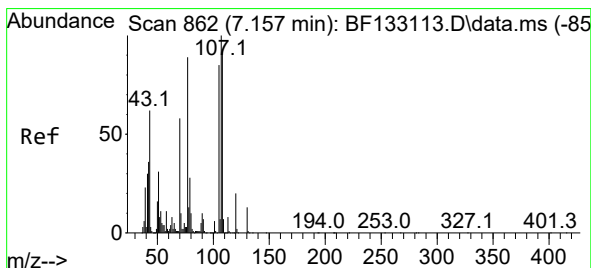
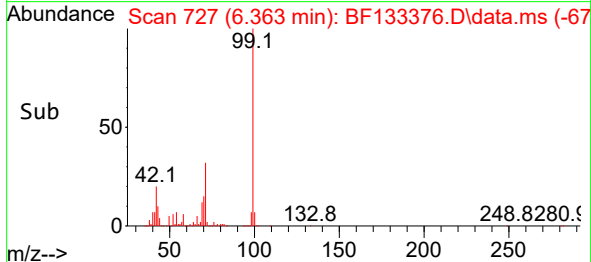
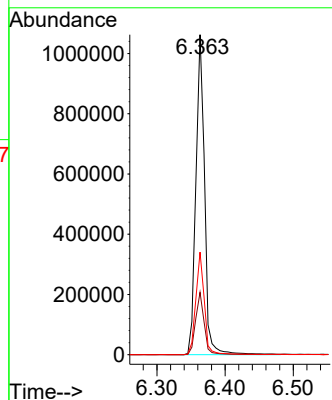
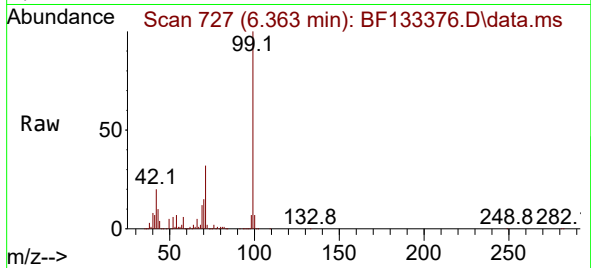




#7
Phenol-d6
Concen: 53.233 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

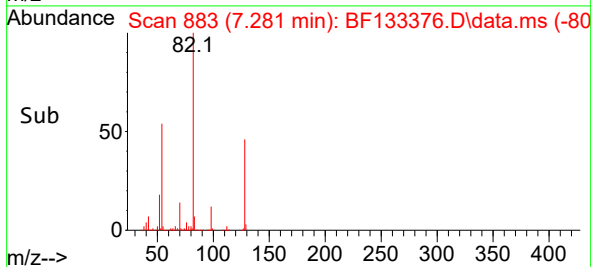
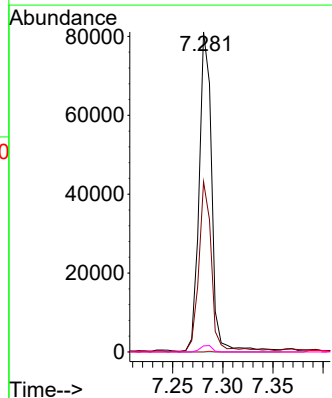
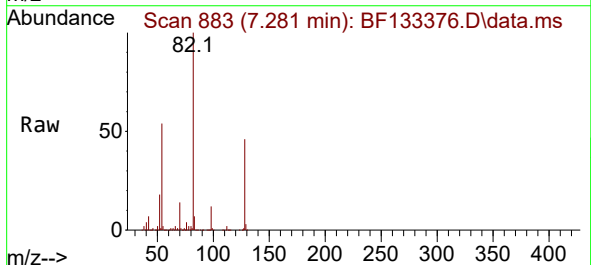
Instrument :
BNA_F
ClientSampleId :
WC-1

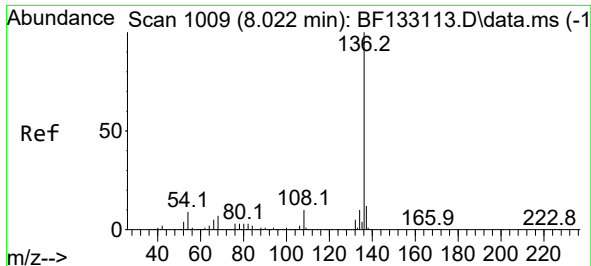
Tgt Ion: 99 Resp: 935213
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 32.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.556 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion: 70 Resp: 71701
Ion Ratio Lower Upper
70 100
42 53.2 51.8 77.6
101 0.0 8.0 12.0#
130 1.9 16.8 25.2#

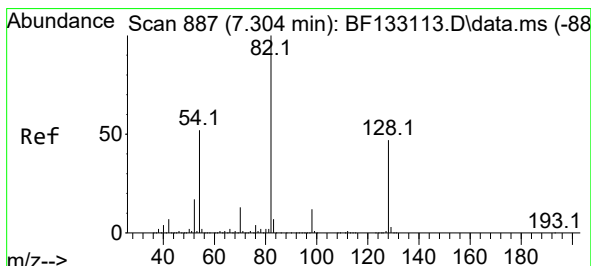
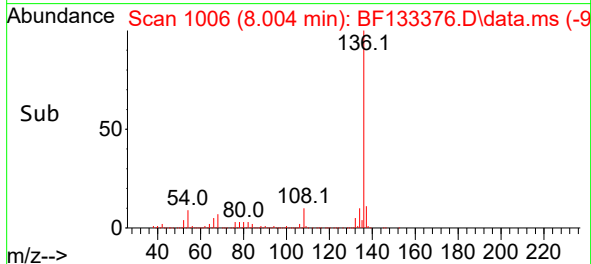
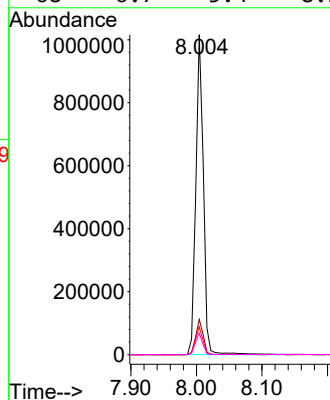
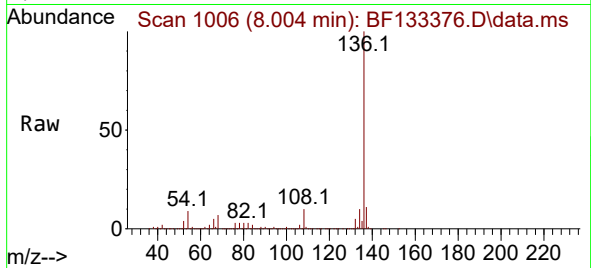




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

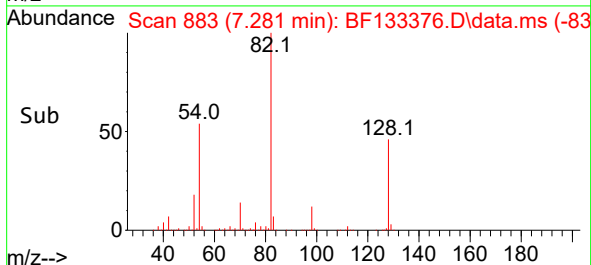
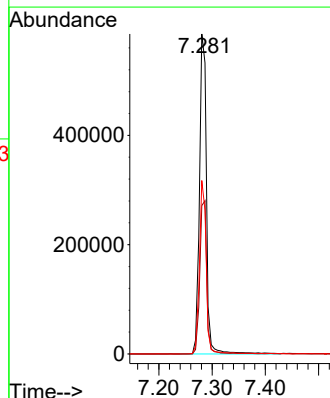
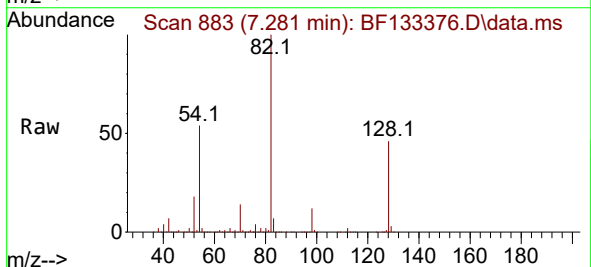
Instrument :
BNA_F
ClientSampleId :
WC-1

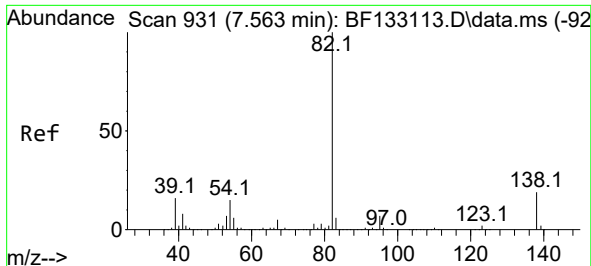
Tgt Ion:136 Resp: 819429
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.0 10.4
68 6.7 5.4 8.2



#23
Nitrobenzene-d5
Concen: 35.344 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion: 82 Resp: 536565
Ion Ratio Lower Upper
82 100
128 46.3 37.7 56.5
54 54.2 43.0 64.4

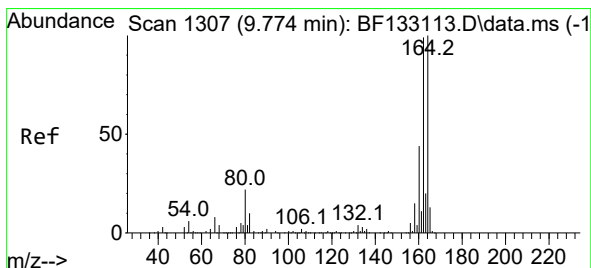
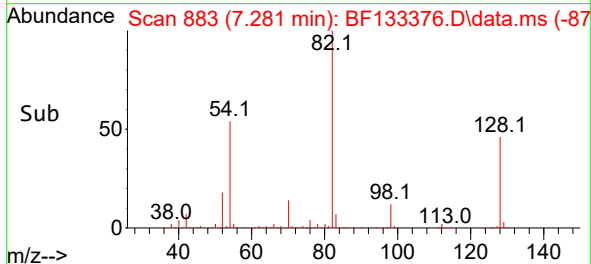
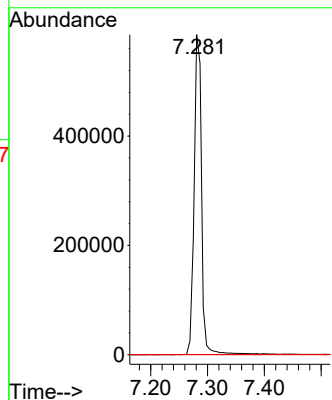
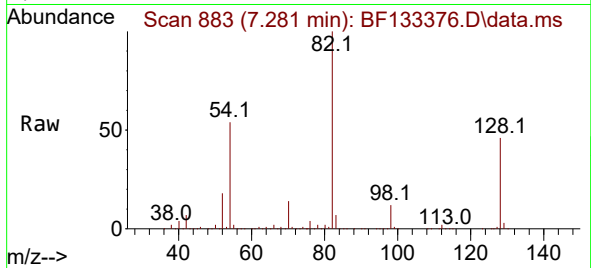




#25
Isophorone
Concen: 18.550 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

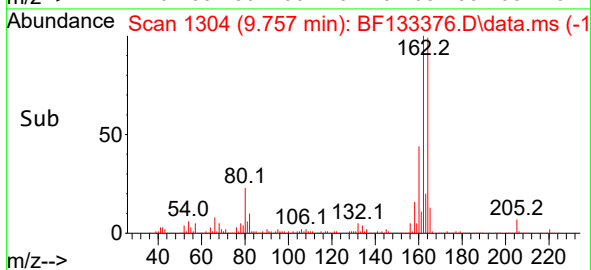
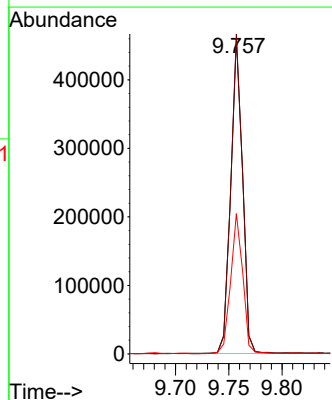
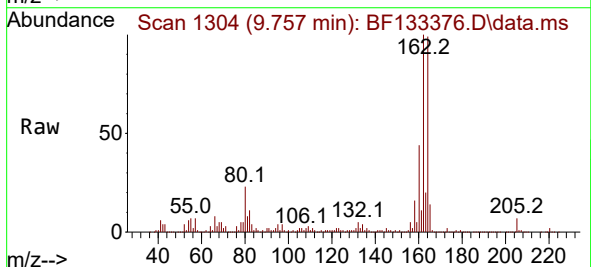
Instrument :
BNA_F
ClientSampleId :
WC-1

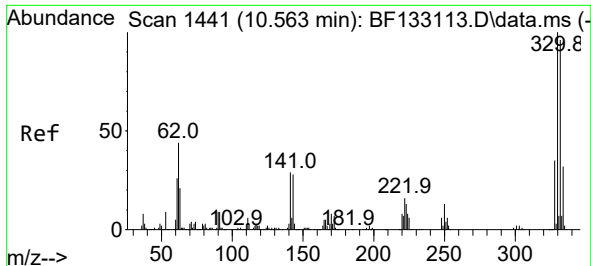
Tgt Ion: 82 Resp: 534675
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion: 164 Resp: 353065
Ion Ratio Lower Upper
164 100
162 101.4 78.7 118.1
160 44.5 35.8 53.6

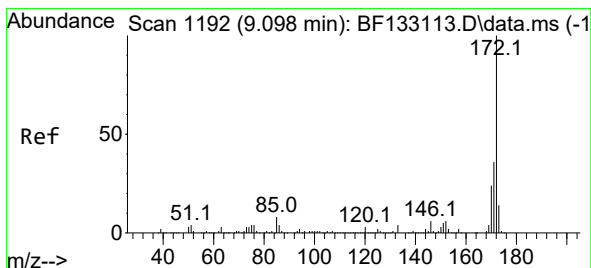
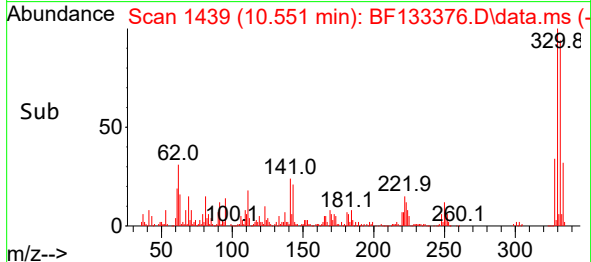
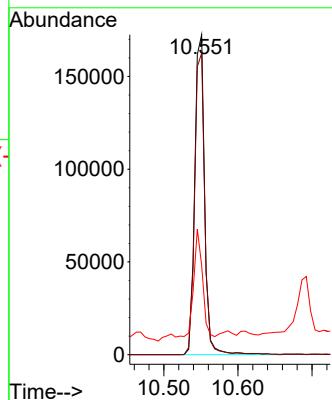
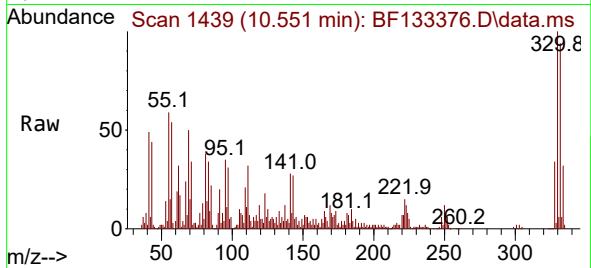




#42
2,4,6-Tribromophenol
Concen: 45.030 ng
RT: 10.551 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

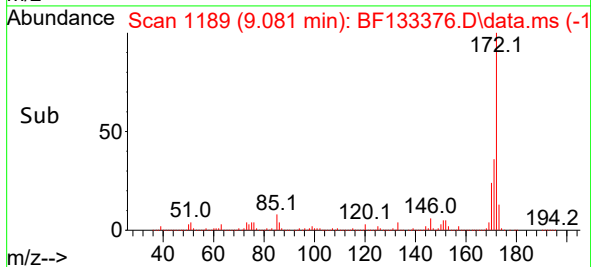
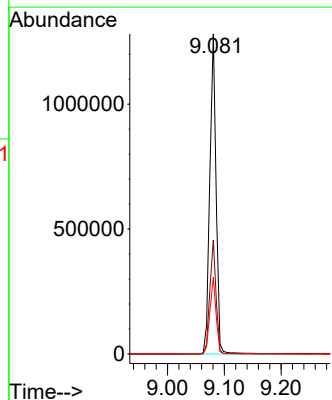
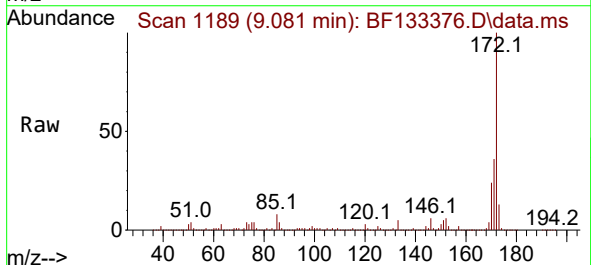
Instrument :
BNA_F
ClientSampleId :
WC-1

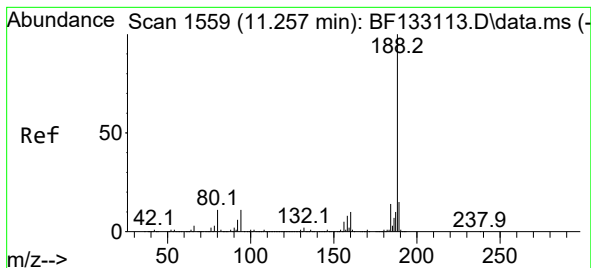
Tgt Ion:330 Resp: 159891
Ion Ratio Lower Upper
330 100
332 94.6 77.1 115.7
141 29.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 46.462 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:172 Resp: 980513
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.0 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

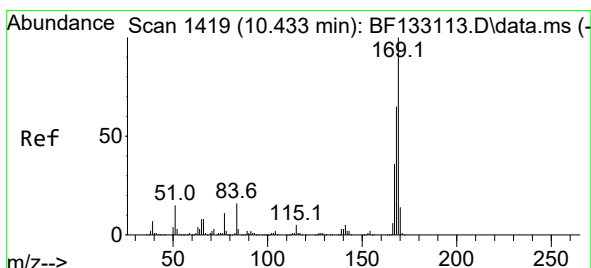
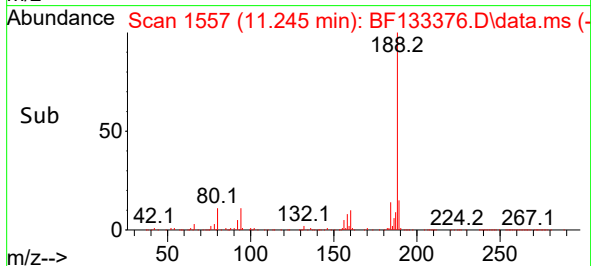
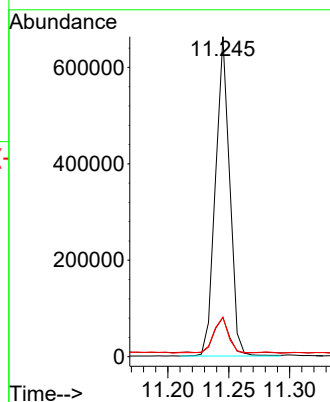
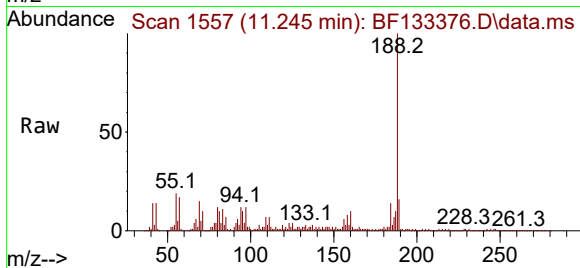
Tgt Ion:188 Resp: 540493

Ion Ratio Lower Upper

188 100

94 12.3 9.7 14.5

80 12.3 10.4 15.6



#66

n-Nitrosodiphenylamine

Concen: 2.280 ng

RT: 10.422 min Scan# 1417

Delta R.T. 0.000 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

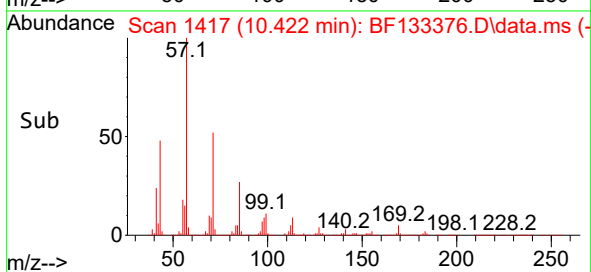
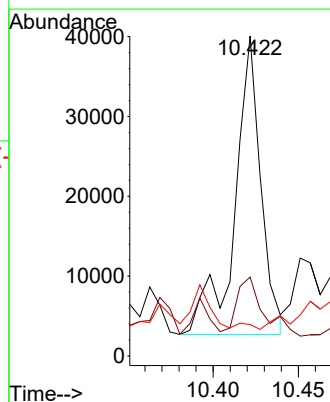
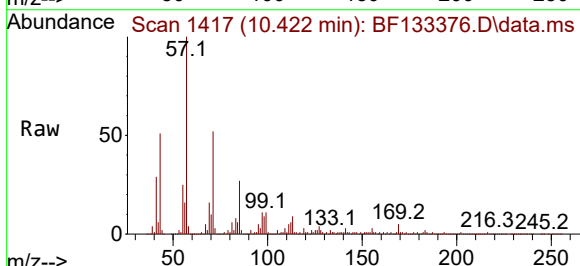
Tgt Ion:169 Resp: 39967

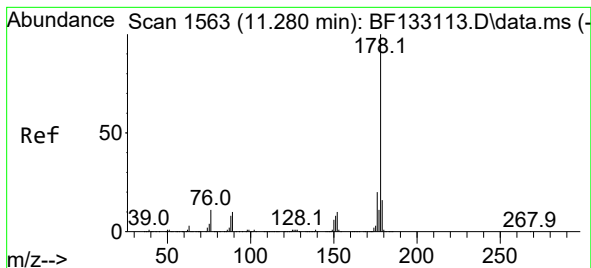
Ion Ratio Lower Upper

169 100

168 24.7 53.8 80.8#

167 9.8 29.7 44.5#





#71

Phenanthrene

Concen: 24.354 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

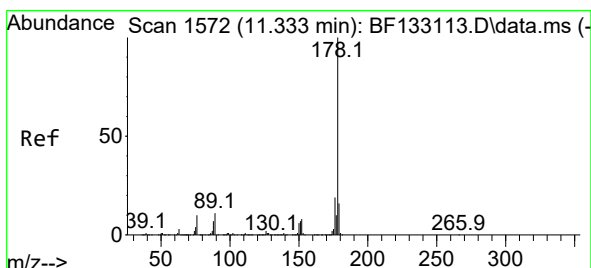
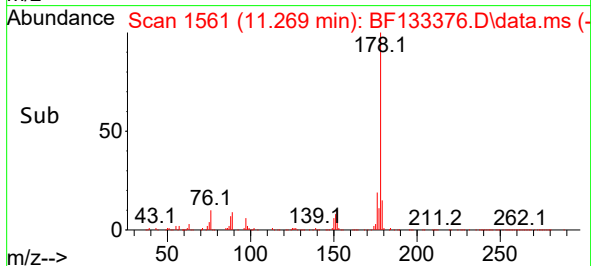
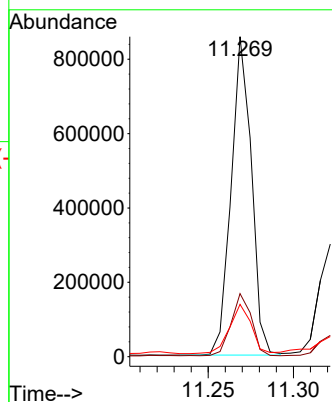
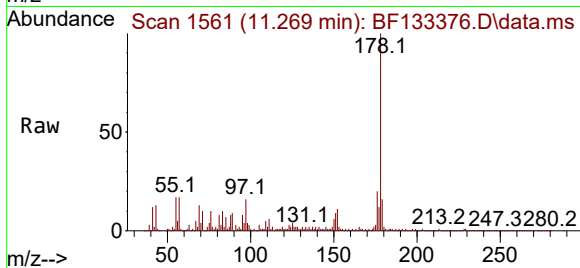
Tgt Ion:178 Resp: 707474

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 16.4 12.5 18.7



#72

Anthracene

Concen: 7.890 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

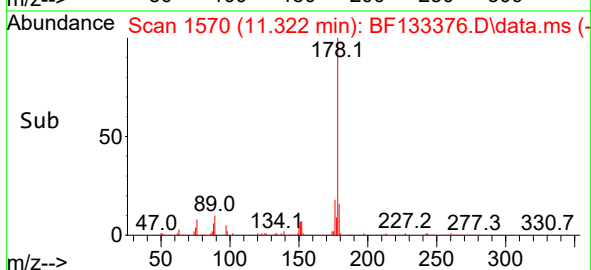
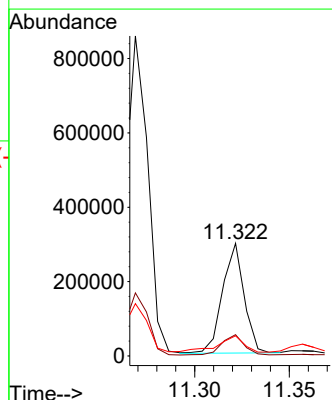
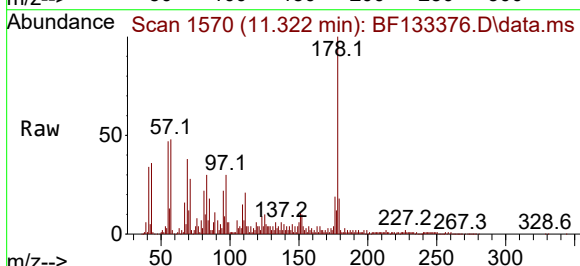
Tgt Ion:178 Resp: 234567

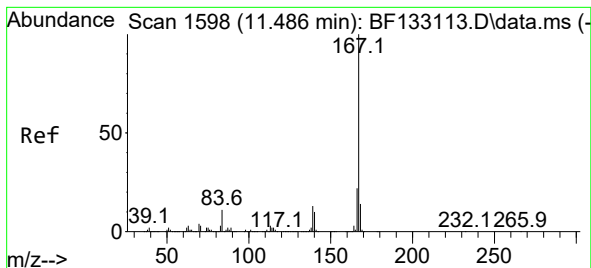
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 17.9 12.4 18.6





#73

Carbazole

Concen: 2.562 ng

RT: 11.475 min Scan# 1596

Delta R.T. 0.000 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

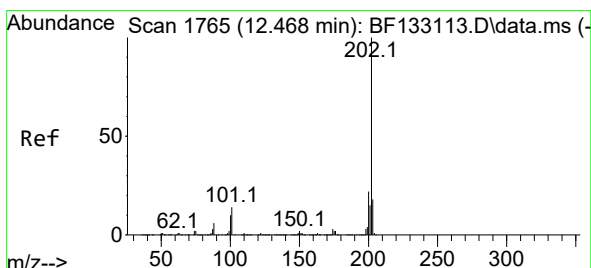
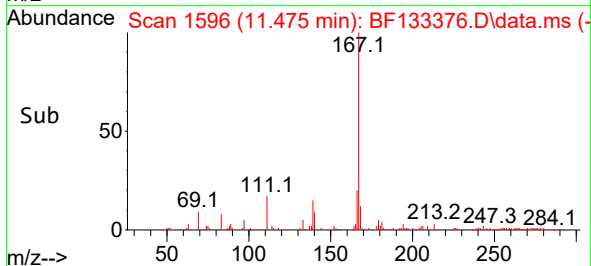
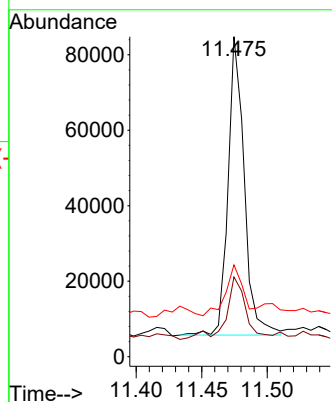
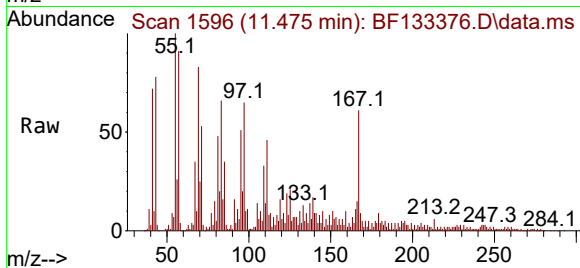
Tgt Ion:167 Resp: 67833

Ion Ratio Lower Upper

167 100

166 24.9 17.4 26.0

139 28.7 10.6 16.0#



#75

Fluoranthene

Concen: 57.180 ng

RT: 12.463 min Scan# 1764

Delta R.T. 0.012 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

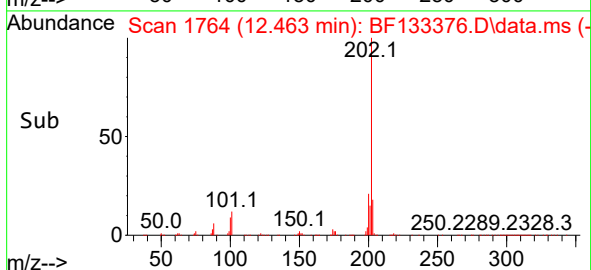
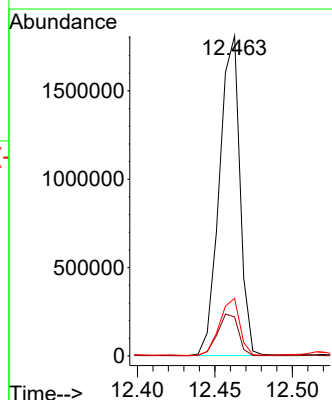
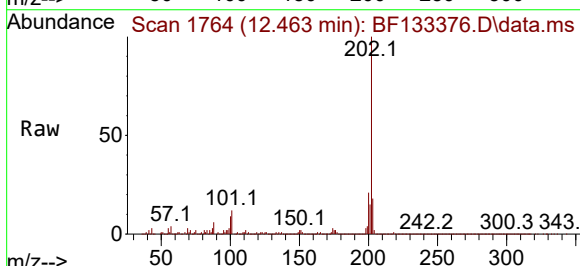
Tgt Ion:202 Resp: 1667081

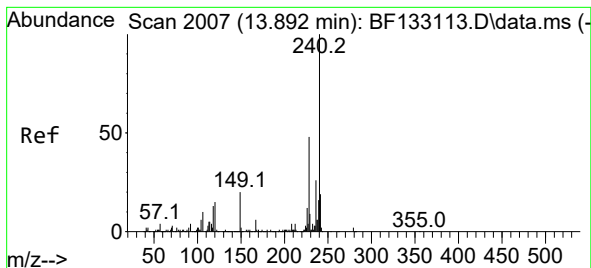
Ion Ratio Lower Upper

202 100

101 12.2 0.0 35.3

203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

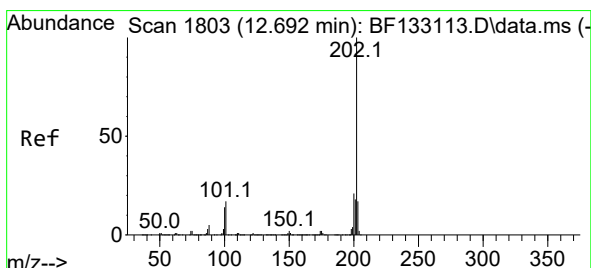
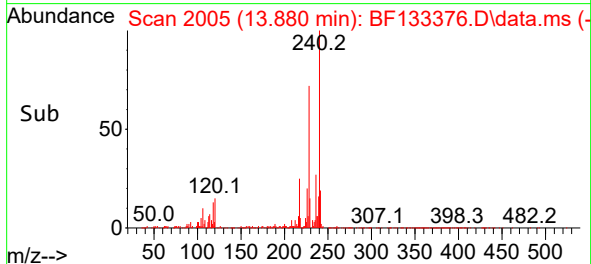
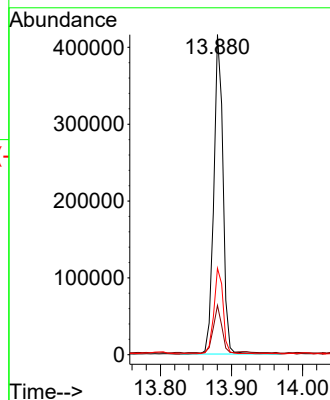
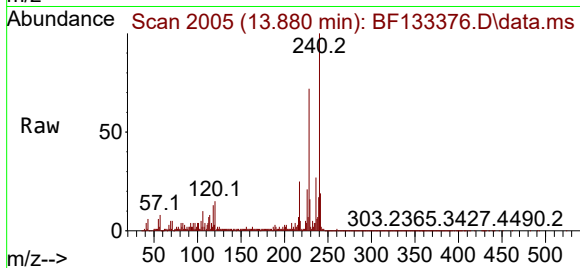
Tgt Ion:240 Resp: 375684

Ion Ratio Lower Upper

240 100

120 15.4 10.5 15.7

236 27.0 21.5 32.3



#78

Pyrene

Concen: 48.707 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

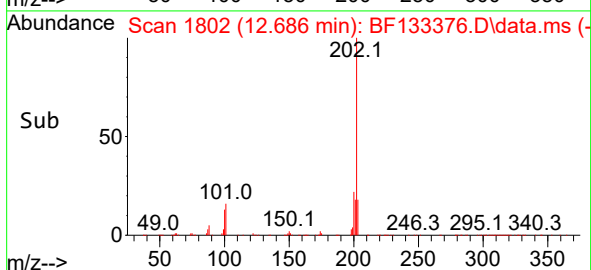
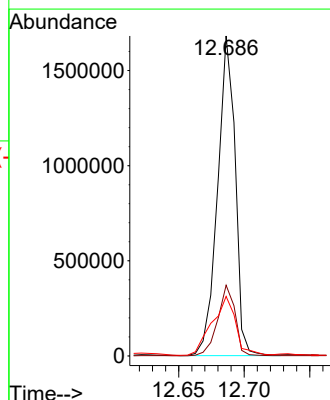
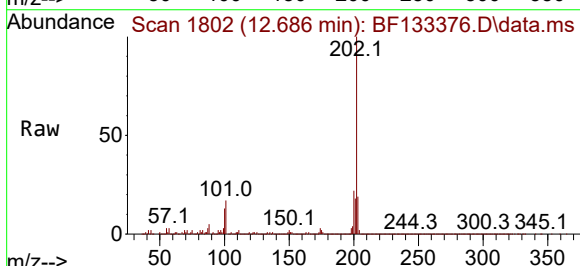
Tgt Ion:202 Resp: 1568613

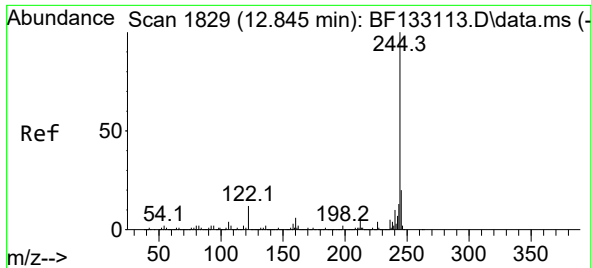
Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 18.6 14.1 21.1





#79

Terphenyl-d14

Concen: 41.659 ng

RT: 12.827 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

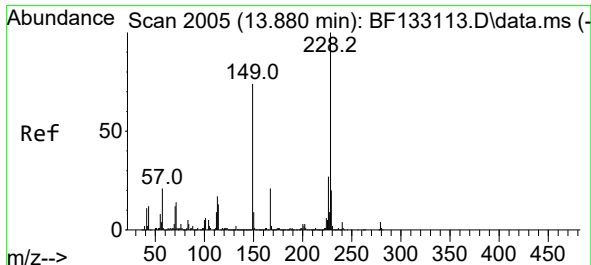
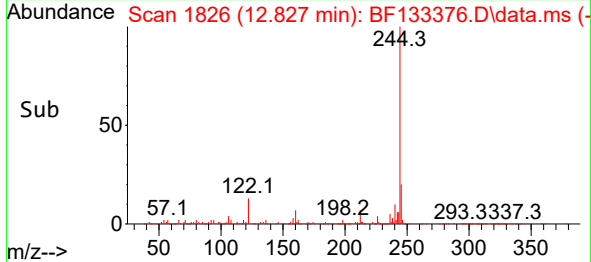
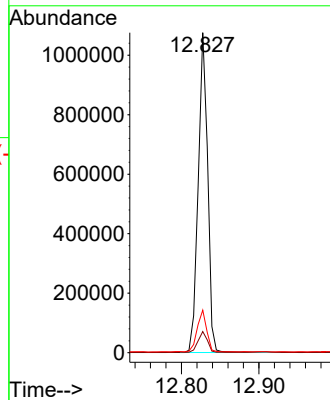
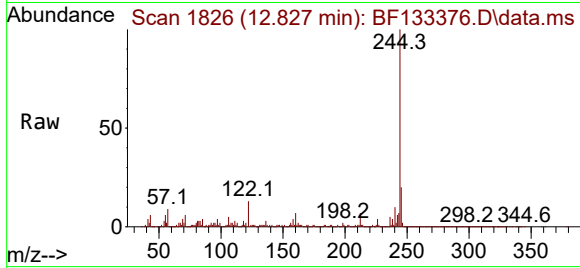
Tgt Ion:244 Resp: 907467

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 13.3 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 32.969 ng

RT: 13.874 min Scan# 2004

Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

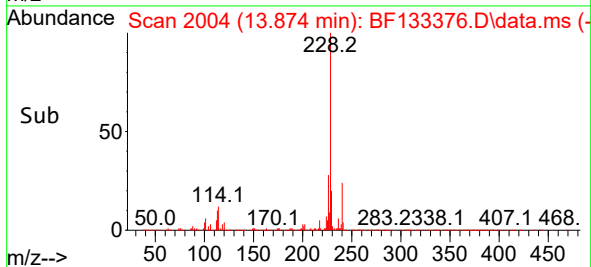
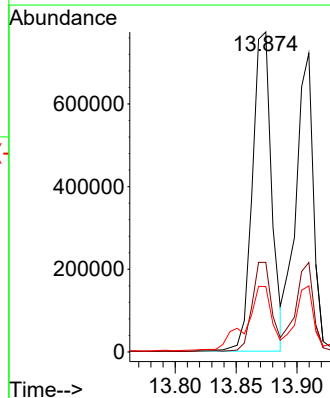
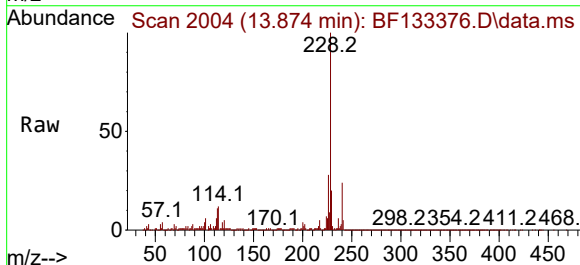
Tgt Ion:228 Resp: 851753

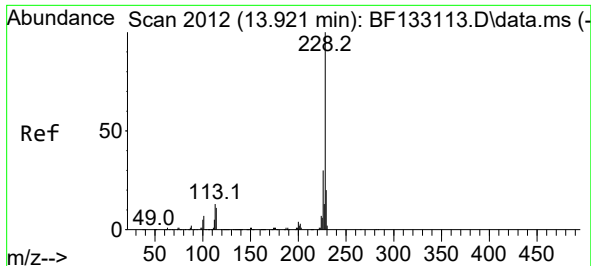
Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.4

229 20.5 16.0 24.0

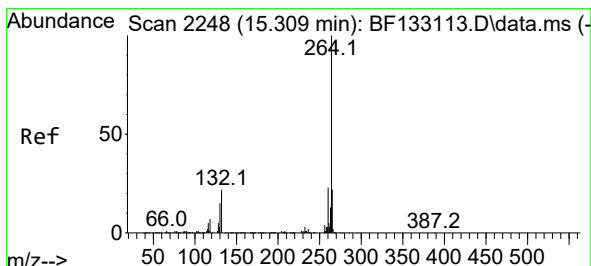
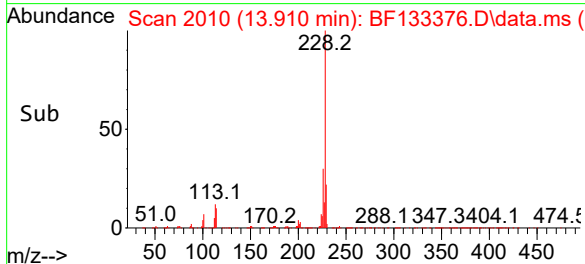
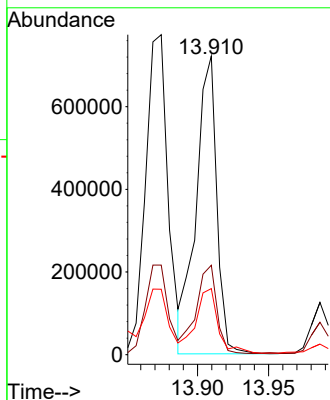
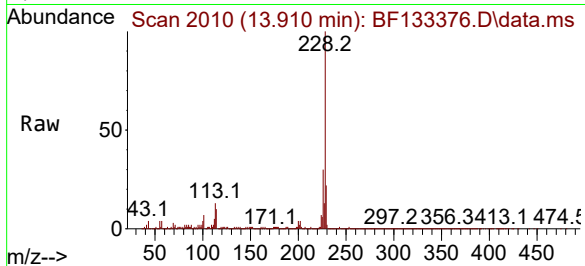




#83
Chrysene
Concen: 28.368 ng
RT: 13.910 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

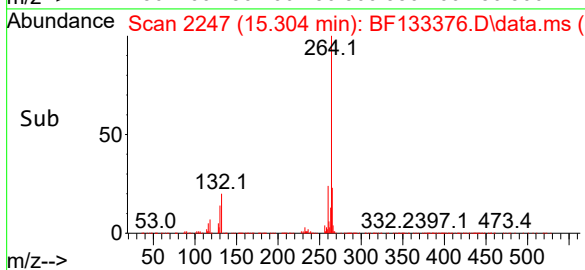
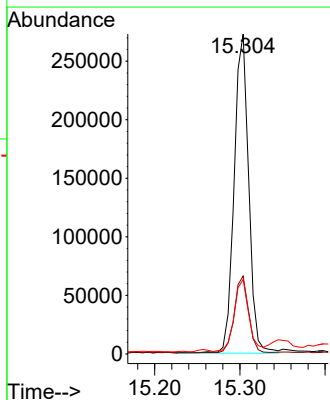
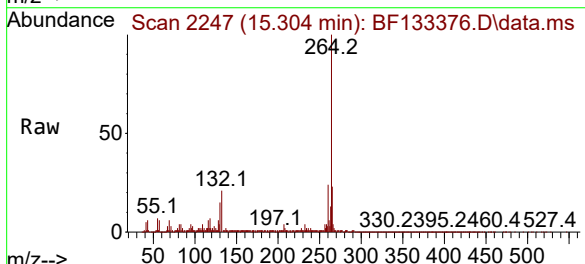
Instrument :
BNA_F
ClientSampleId :
WC-1

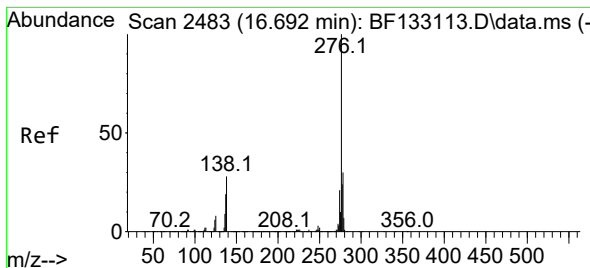
Tgt Ion:228 Resp: 732700
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.1 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. 0.012 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:264 Resp: 322844
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.058 ng

RT: 16.686 min Scan# 2483

Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

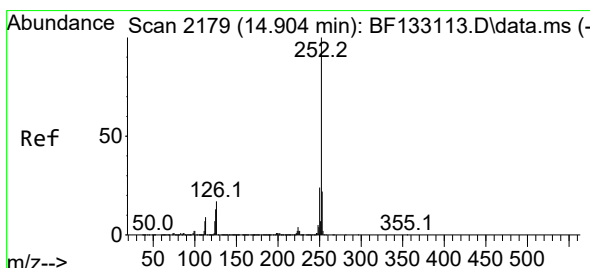
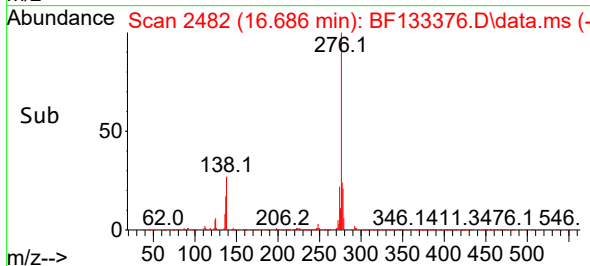
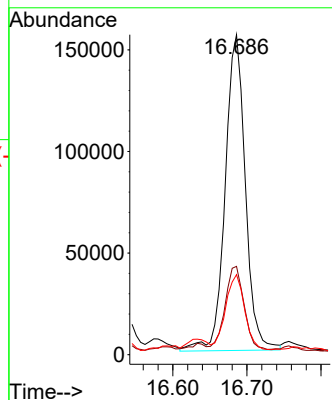
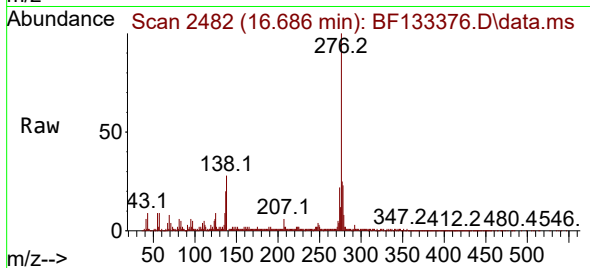
Tgt Ion:276 Resp: 294895

Ion Ratio Lower Upper

276 100

138 25.9 25.5 38.3

277 22.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 49.668 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

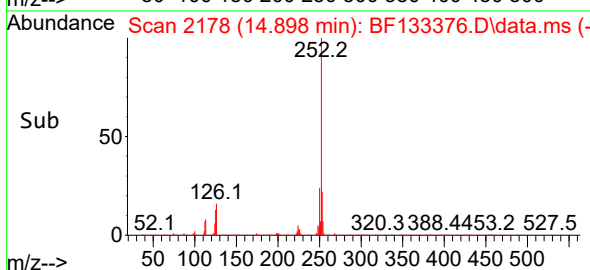
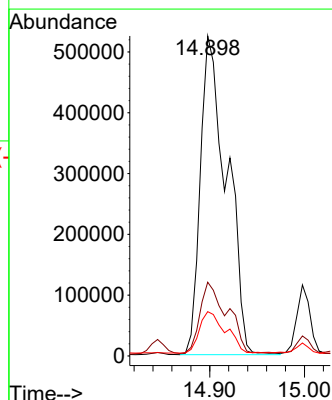
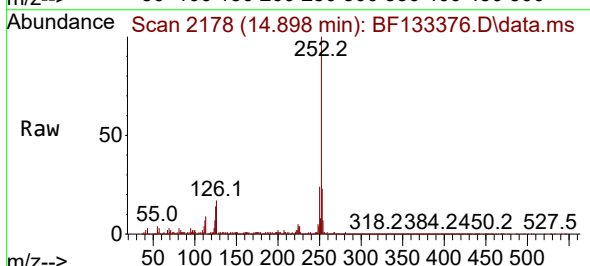
Tgt Ion:252 Resp: 1020125

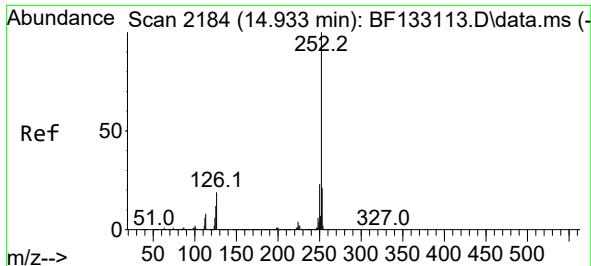
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 13.8 8.9 13.3#

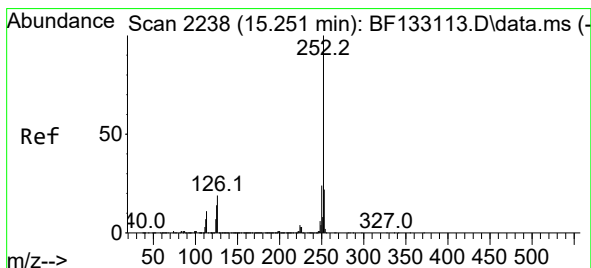
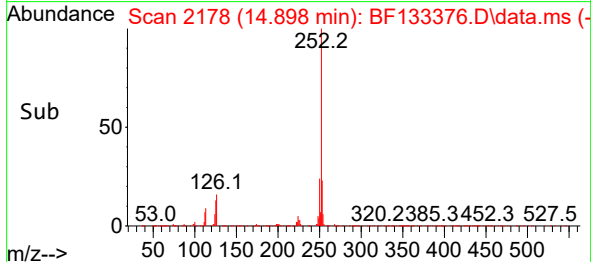
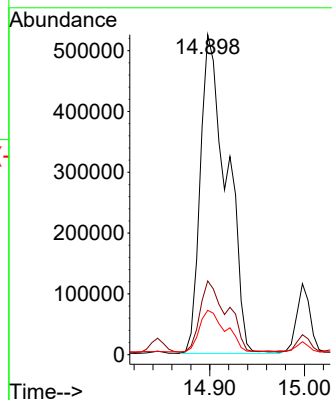
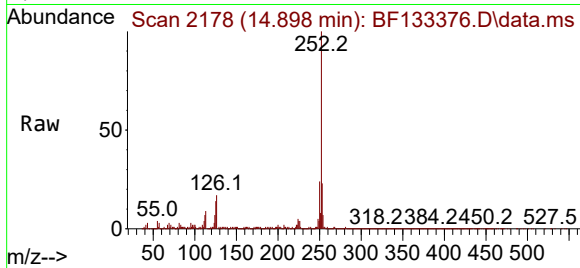




#89
Benzo(k)fluoranthene
Concen: 50.104 ng
RT: 14.898 min Scan# 2184
Delta R.T. -0.023 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

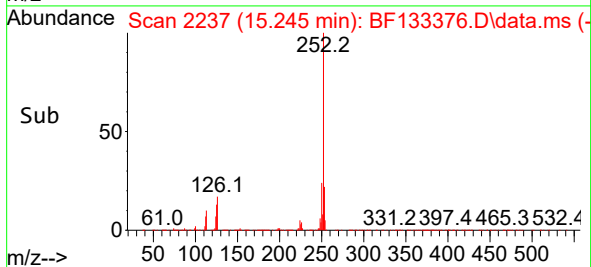
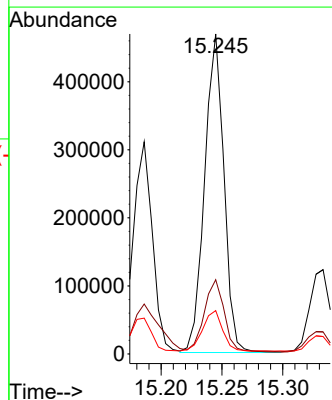
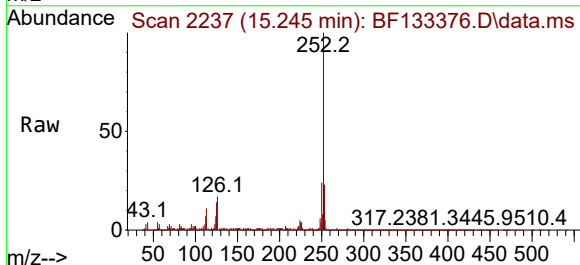
Instrument :
BNA_F
ClientSampleId :
WC-1

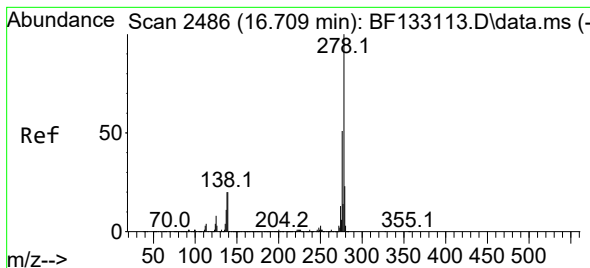
Tgt Ion:252 Resp: 1020125
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 13.8 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 27.673 ng
RT: 15.245 min Scan# 2237
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:252 Resp: 517334
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.5 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 4.505 ng

RT: 16.692 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

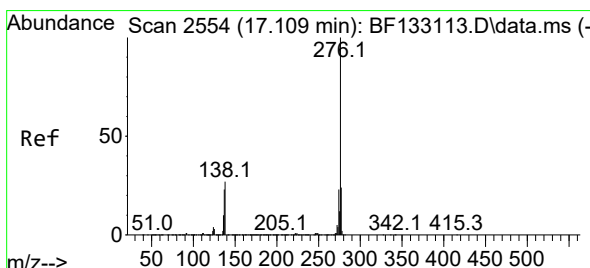
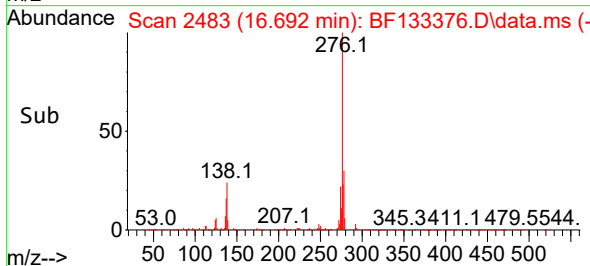
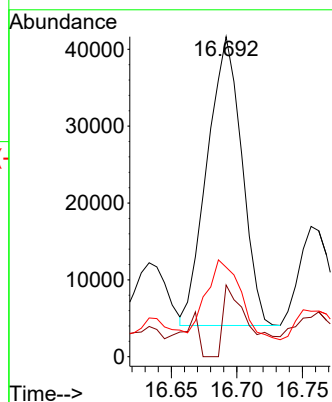
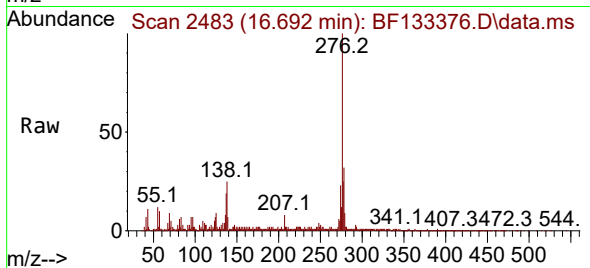
Tgt Ion:278 Resp: 68994

Ion Ratio Lower Upper

278 100

139 22.4 16.6 24.8

279 28.0 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 17.487 ng

RT: 17.104 min Scan# 2553

Delta R.T. 0.012 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Tgt Ion:276 Resp: 264430

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 25.7 22.7 34.1

