

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133426.D
 Acq On : 17 May 2023 21:55
 Operator : CG\JU
 Sample : 02813-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: May 18 04:06:36 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)

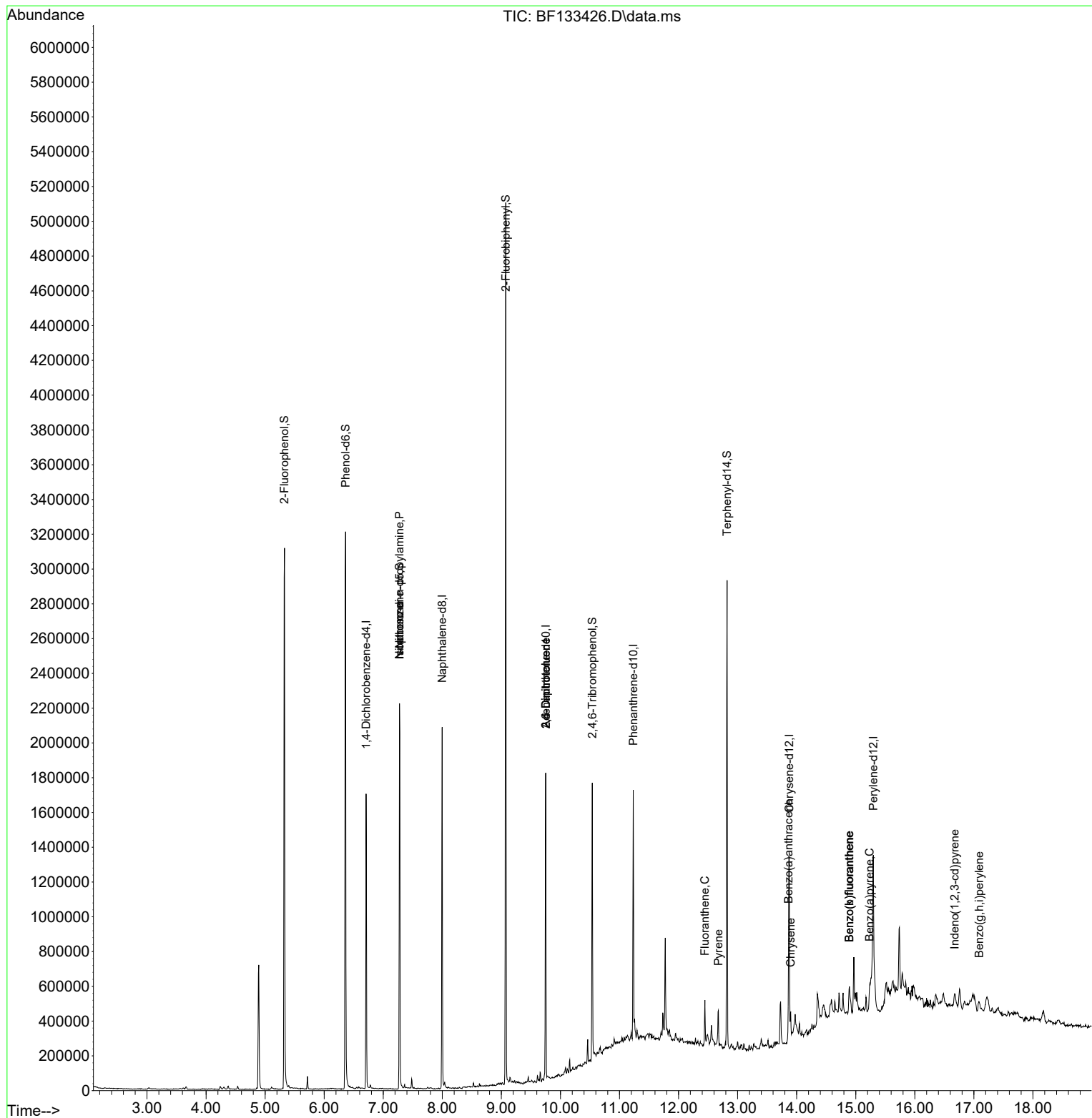
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	236931	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	847997	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	339427	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	483123	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	361994	20.000	ng	-0.01
86) Perylene-d12	15.298	264	281165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	981865	62.601	ng	0.00
7) Phenol-d6	6.363	99	1170063	60.103	ng	0.00
23) Nitrobenzene-d5	7.275	82	708550	45.101	ng	-0.02
42) 2,4,6-Tribromophenol	10.539	330	190162	55.707	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1400610	69.035	ng	-0.01
79) Terphenyl-d14	12.821	244	931879	44.398	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.263	77	824	Below Cal	#	51
19) n-Nitroso-di-n-propyla...	7.275	70	90996	7.508 ng	#	75
25) Isophorone	7.275	82	708322	23.746 ng	#	63
51) 2,6-Dinitrotoluene	9.751	165	43596	8.184 ng	#	25
57) 2,4-Dinitrotoluene	9.751	165	43596	6.417 ng	#	24
75) Fluoranthene	12.445	202	94903	3.642 ng		97
78) Pyrene	12.674	202	93438	3.011 ng		98
81) Benzo(a)anthracene	13.862	228	63807	2.563 ng		98
83) Chrysene	13.898	228	65855	2.646 ng		95
87) Indeno(1,2,3-cd)pyrene	16.674	276	37518	2.346 ng		95
88) Benzo(b)fluoranthene	14.892	252	100855	5.638 ng	#	92
89) Benzo(k)fluoranthene	14.892	252	100855	5.688 ng	#	93
90) Benzo(a)pyrene	15.233	252	46635	2.864 ng	#	92
92) Benzo(g,h,i)perylene	17.092	276	40825	3.100 ng		98

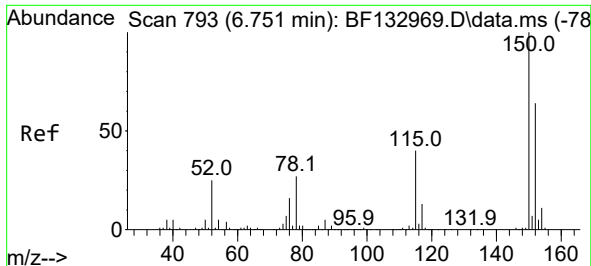
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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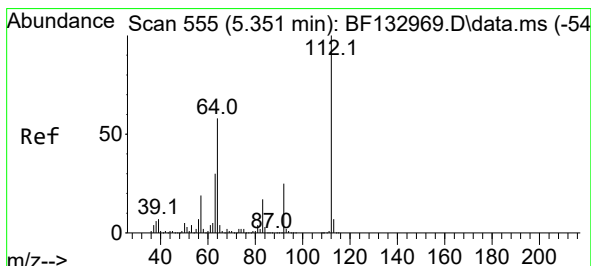
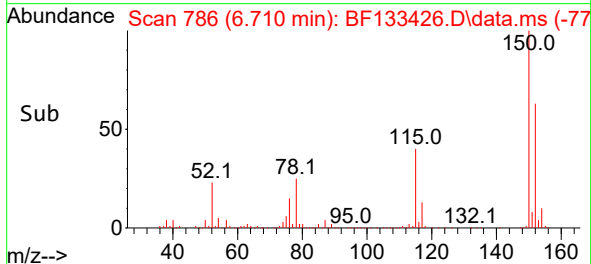
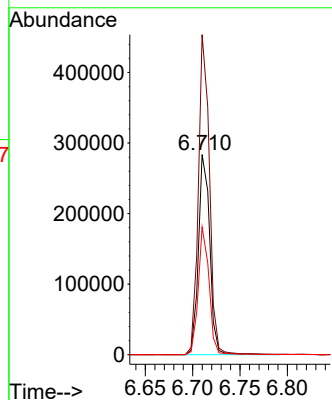
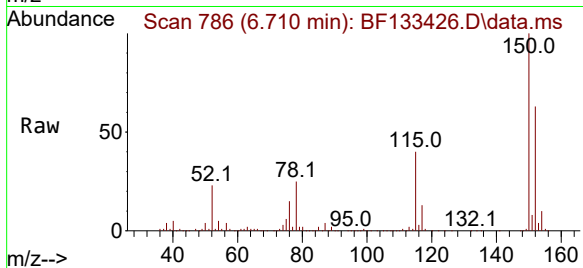




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.710 min Scan# 793
 Delta R.T. -0.012 min
 Lab File: BF133426.D
 Acq: 17 May 2023 21:55

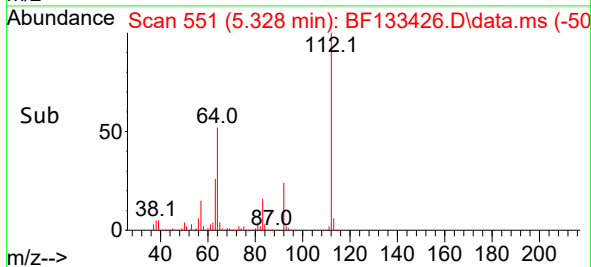
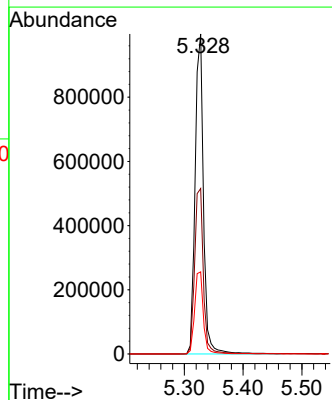
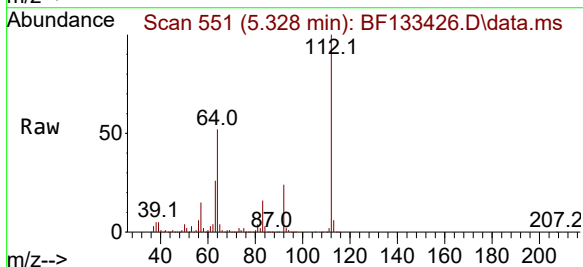
Instrument :
 BNA_F
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 WC-1

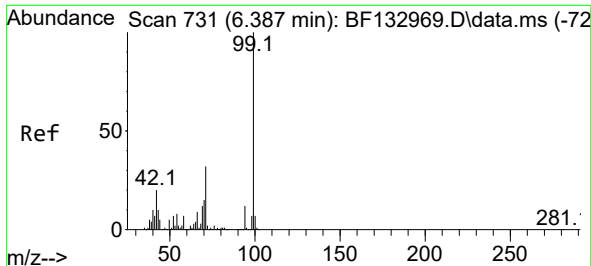
Tgt Ion:152 Resp: 236931
 Ion Ratio Lower Upper
 152 100
 150 159.8 124.8 187.2
 115 63.8 49.9 74.9



#5
 2-Fluorophenol
 Concen: 62.601 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.006 min
 Lab File: BF133426.D
 Acq: 17 May 2023 21:55

Tgt Ion:112 Resp: 981865
 Ion Ratio Lower Upper
 112 100
 64 51.7 46.8 70.2
 63 25.7 23.8 35.8

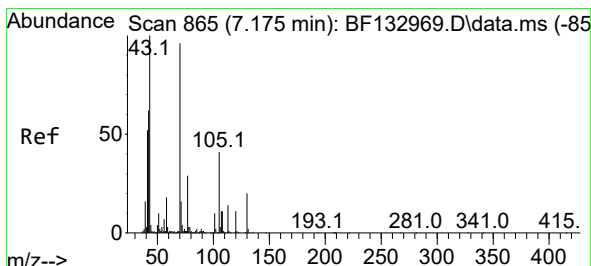
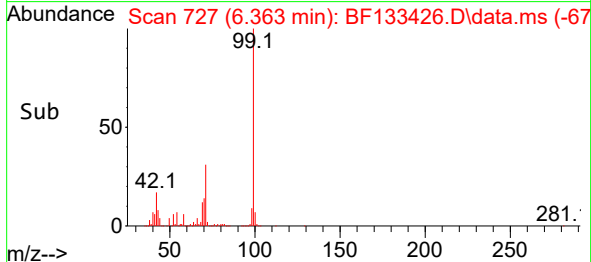
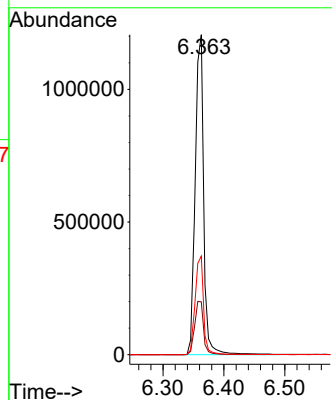
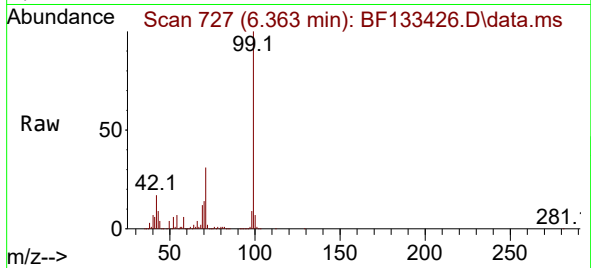




#7
Phenol-d6
Concen: 60.103 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

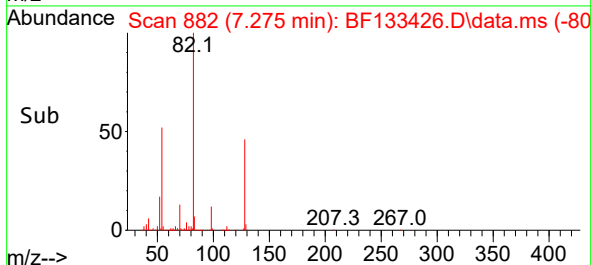
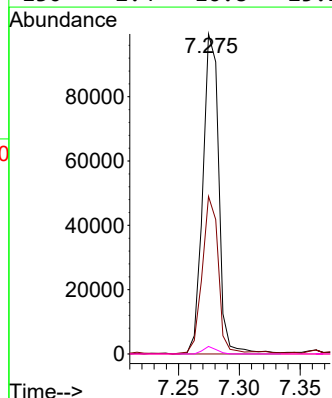
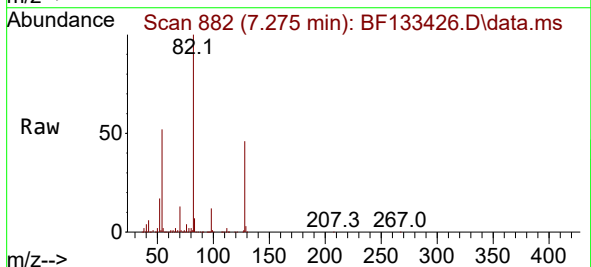
Instrument :
BNA_F
ClientSampleId :
WC-1

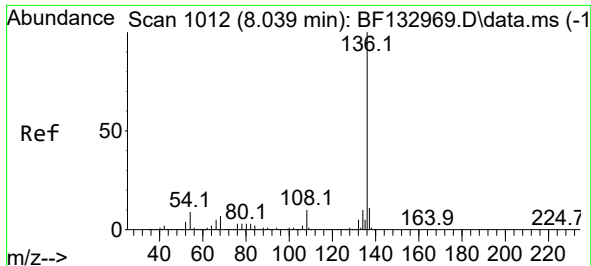
Tgt Ion: 99 Resp: 1170063
Ion Ratio Lower Upper
99 100
42 16.5 16.3 24.5
71 30.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.508 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.129 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Tgt Ion: 70 Resp: 90996
Ion Ratio Lower Upper
70 100
42 49.3 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#

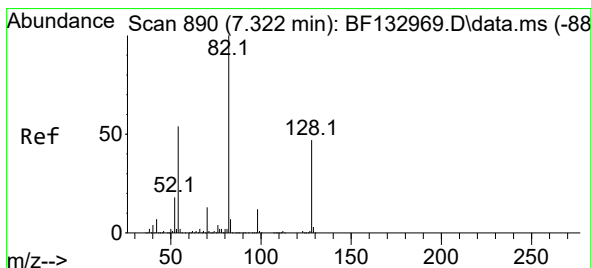
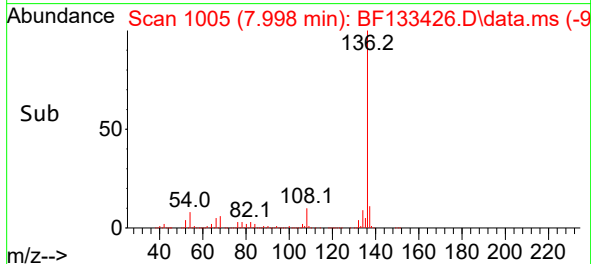
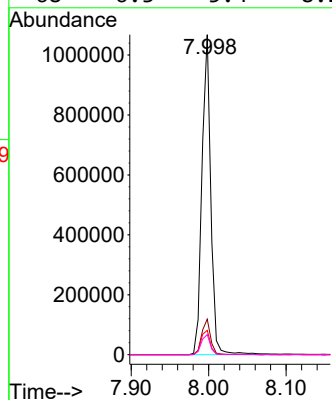
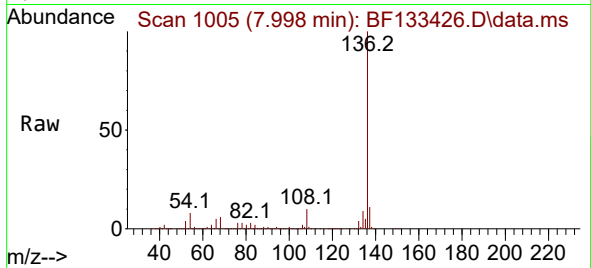




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

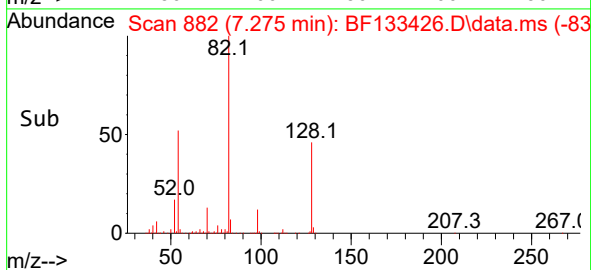
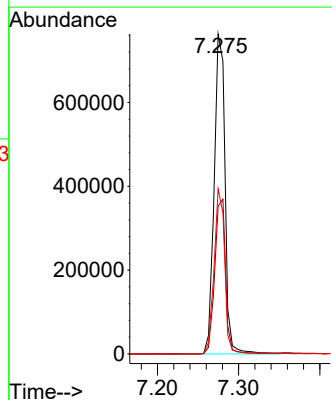
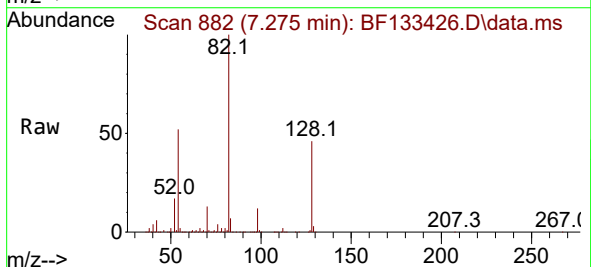
Instrument :
BNA_F
ClientSampleId :
WC-1

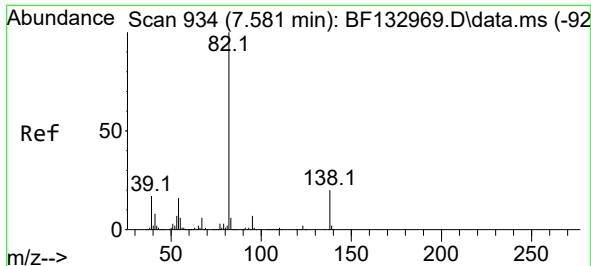
Tgt Ion:136 Resp: 847997
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.6 7.0 10.4
68 6.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 45.101 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Tgt Ion: 82 Resp: 708550
Ion Ratio Lower Upper
82 100
128 46.2 37.7 56.5
54 51.6 43.0 64.4

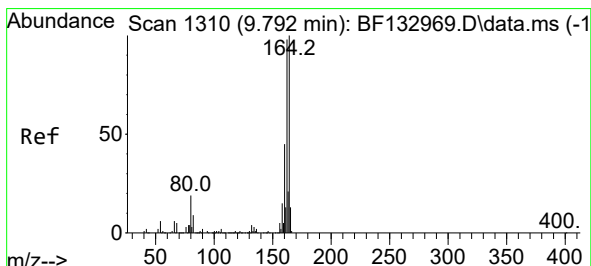
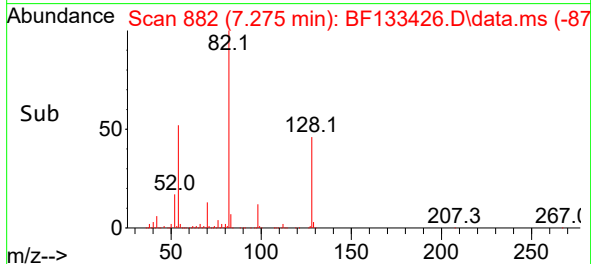
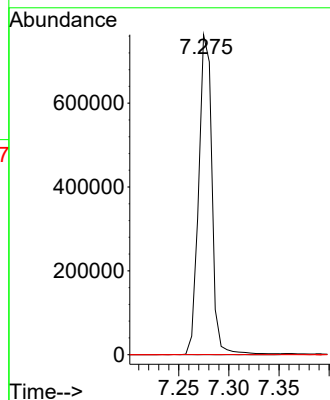
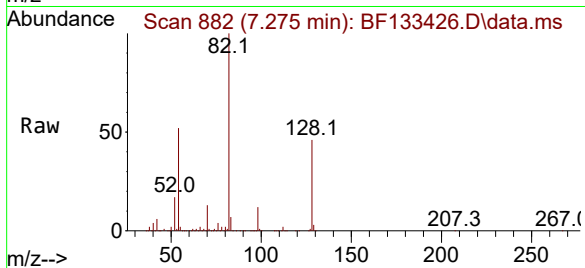




#25
Isophorone
Concen: 23.746 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

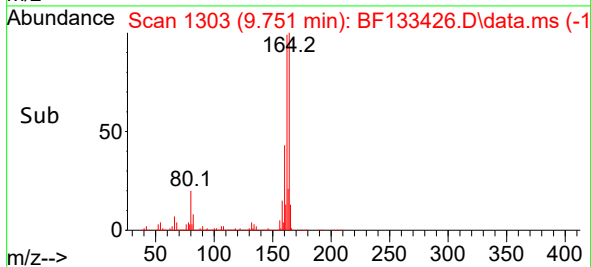
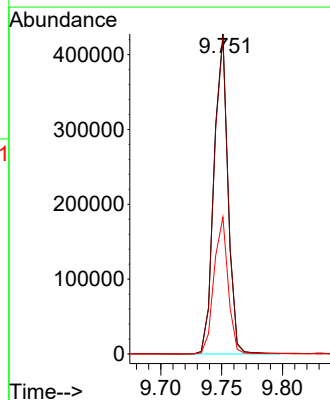
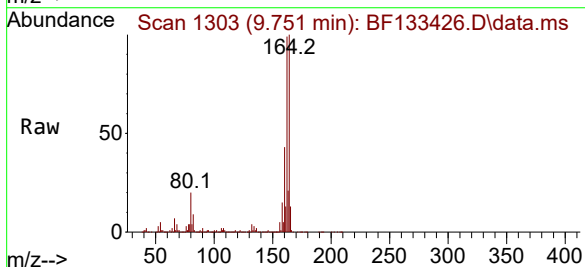
Instrument :
BNA_F
ClientSampleId :
WC-1

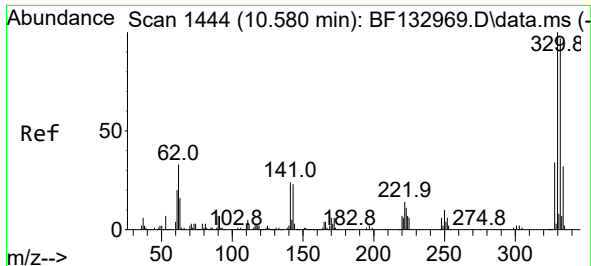
Tgt Ion: 82 Resp: 708322
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Tgt Ion:164 Resp: 339427
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 42.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 55.707 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

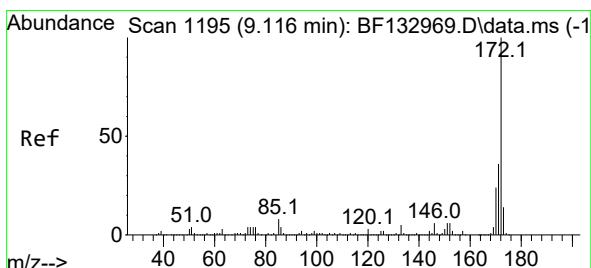
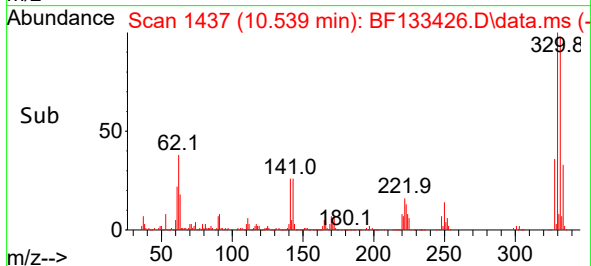
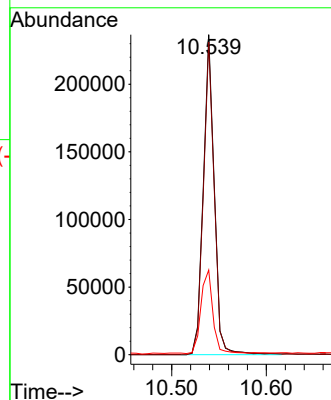
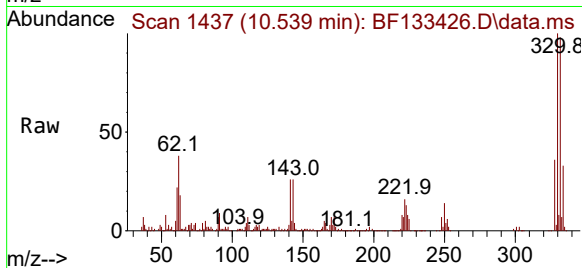
Tgt Ion:330 Resp: 190162

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 28.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 69.035 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

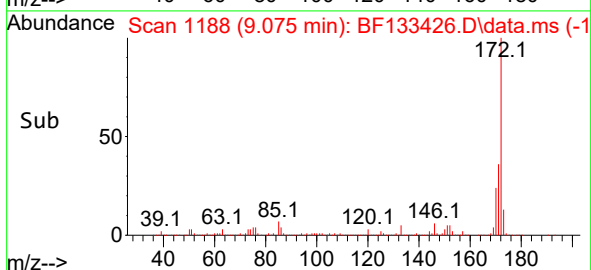
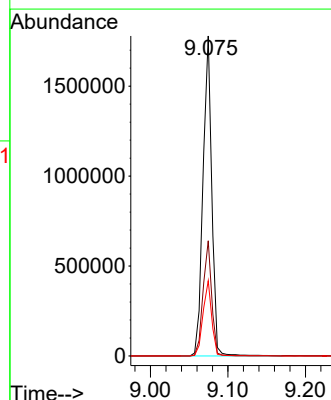
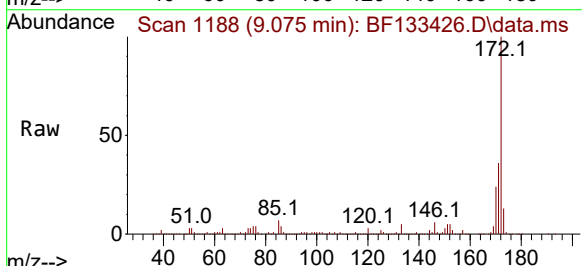
Tgt Ion:172 Resp: 1400610

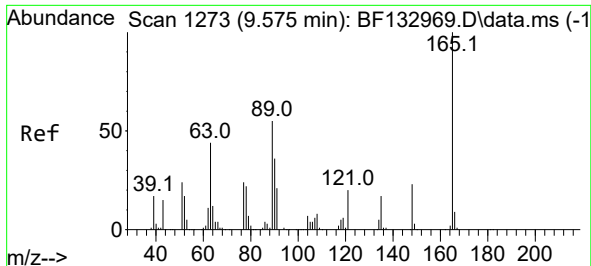
Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.5 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.184 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

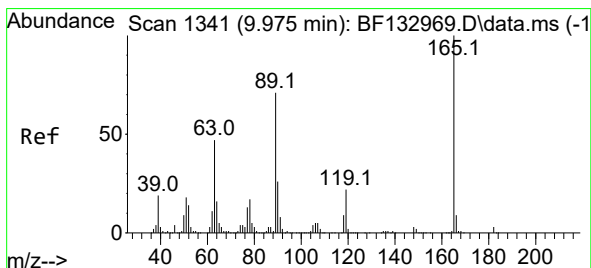
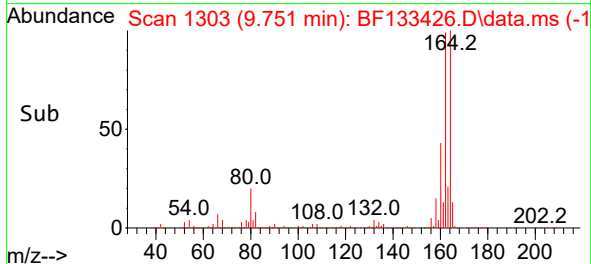
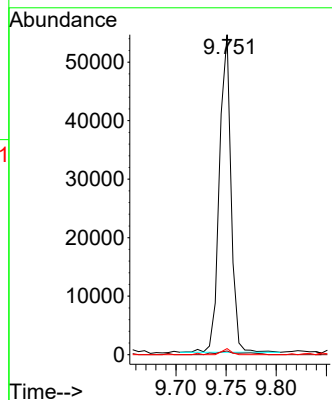
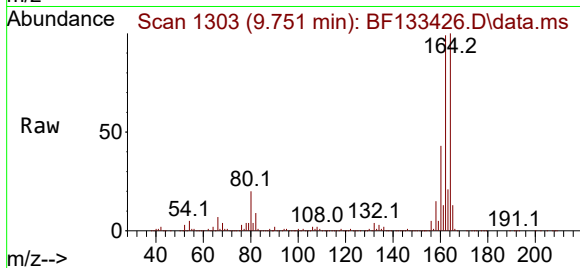
Tgt Ion:165 Resp: 43596

Ion Ratio Lower Upper

165 100

63 1.2 45.9 68.9#

89 1.9 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.417 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.206 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Tgt Ion:165 Resp: 43596

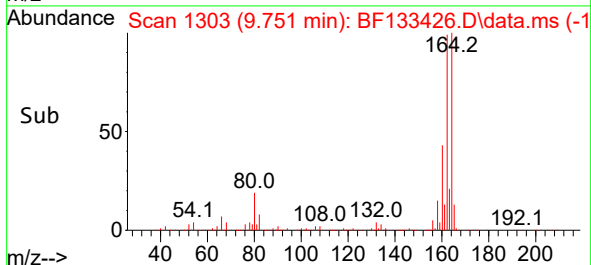
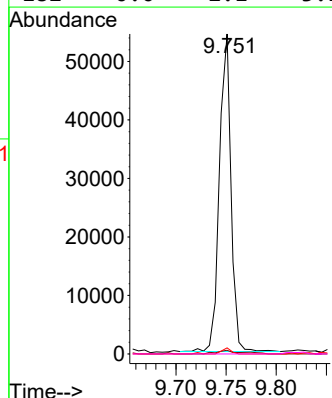
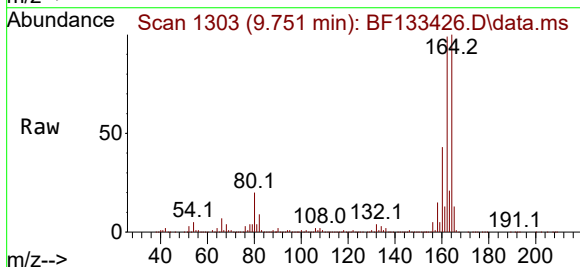
Ion Ratio Lower Upper

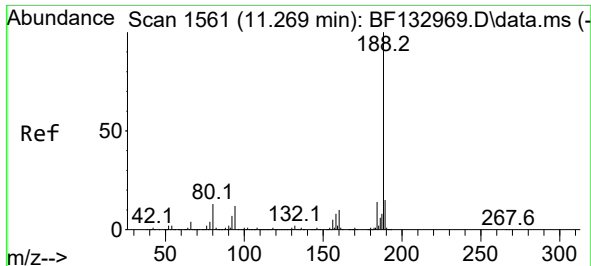
165 100

63 1.2 37.7 56.5#

89 1.9 57.0 85.4#

182 0.0 2.1 3.1#

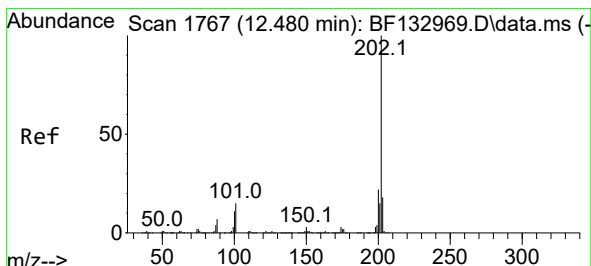
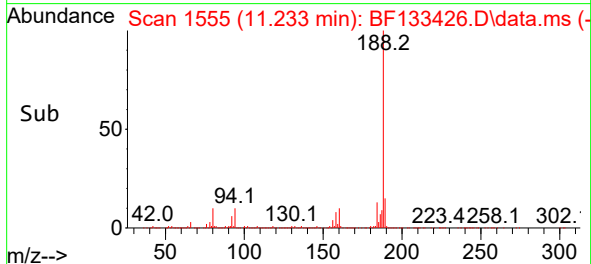
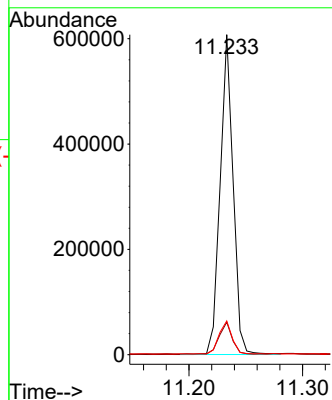
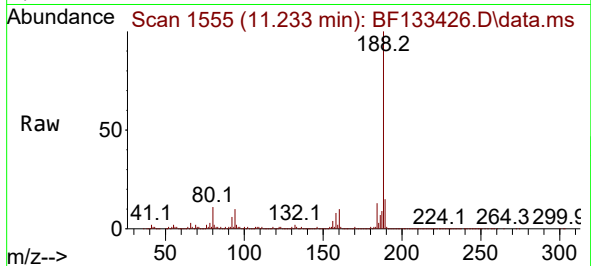




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

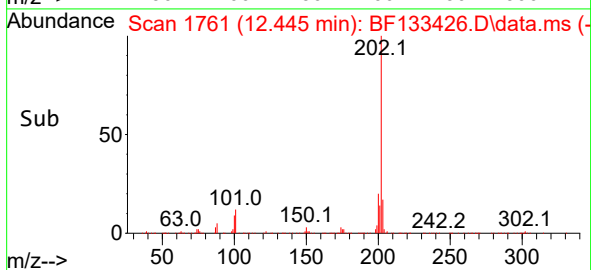
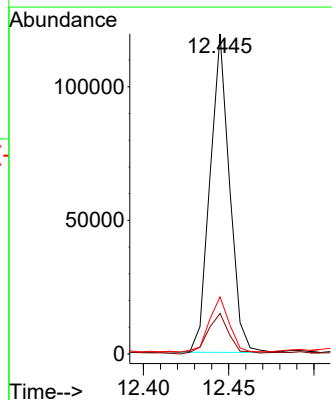
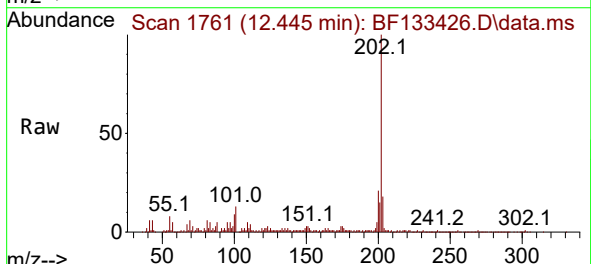
Instrument :
BNA_F
ClientSampleId :
WC-1

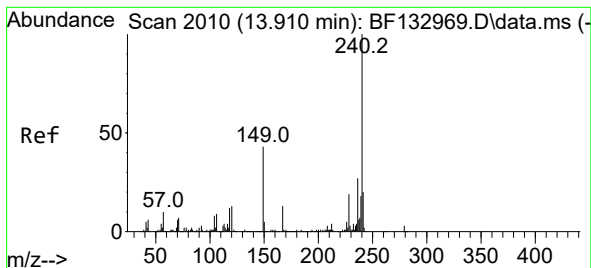
Tgt Ion:188 Resp: 483123
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.6 10.4 15.6



#75
Fluoranthene
Concen: 3.642 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Tgt Ion:202 Resp: 94903
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.3
203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

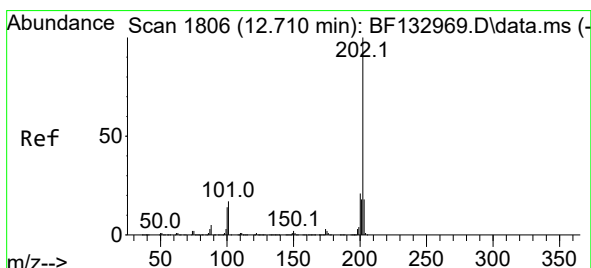
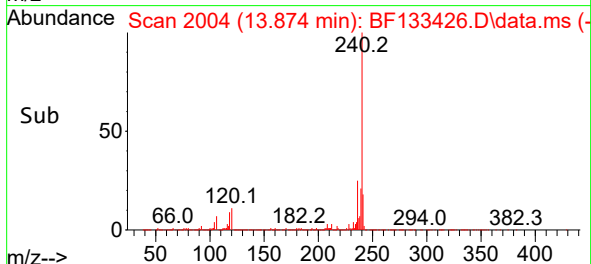
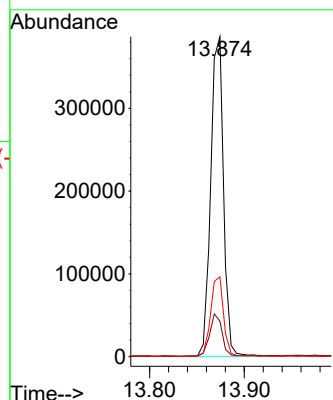
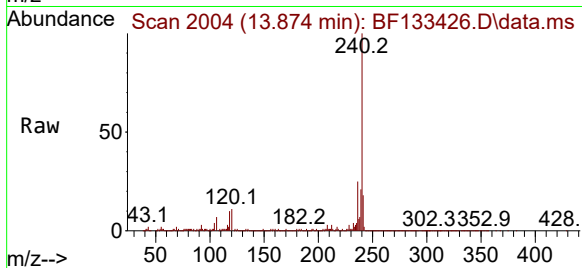
Tgt Ion:240 Resp: 361994

Ion Ratio Lower Upper

240 100

120 11.1 10.5 15.7

236 25.0 21.5 32.3



#78

Pyrene

Concen: 3.011 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

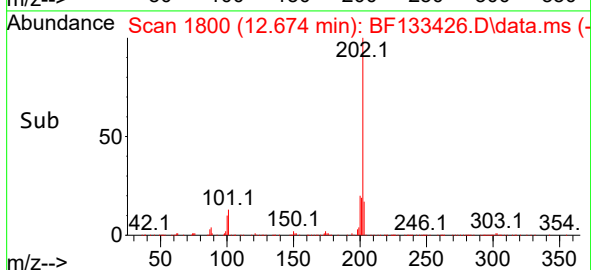
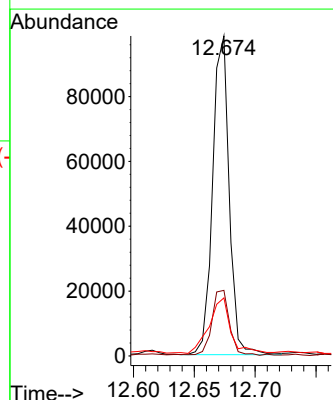
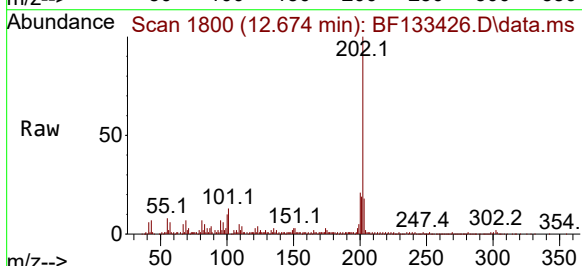
Tgt Ion:202 Resp: 93438

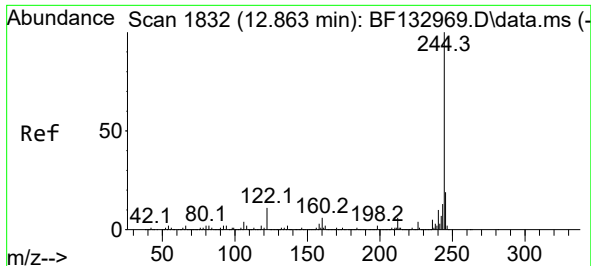
Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 18.1 14.1 21.1

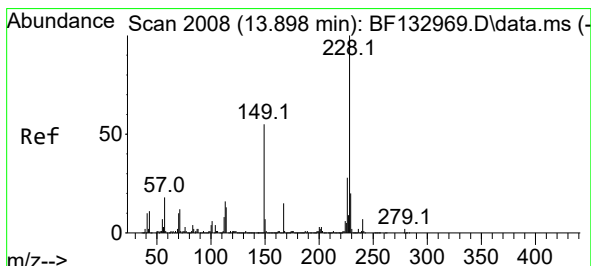
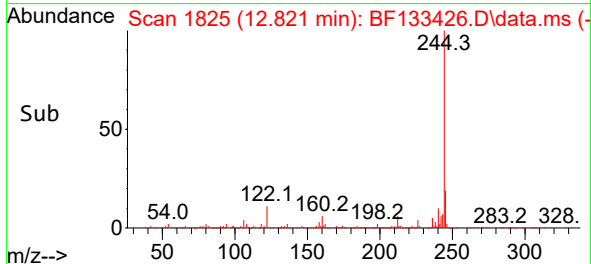
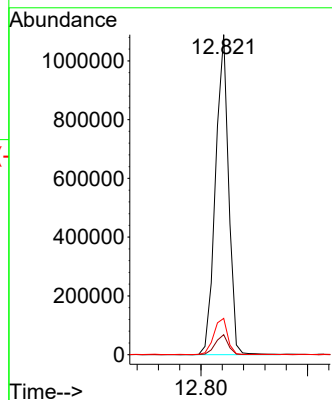
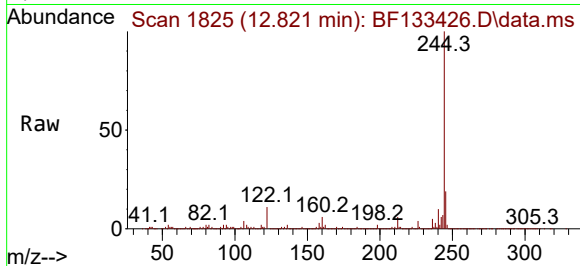




#79
 Terphenyl-d14
 Concen: 44.398 ng
 RT: 12.821 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF133426.D
 Acq: 17 May 2023 21:55

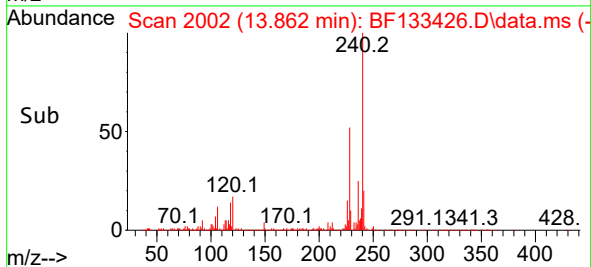
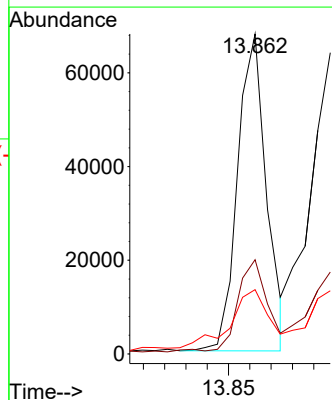
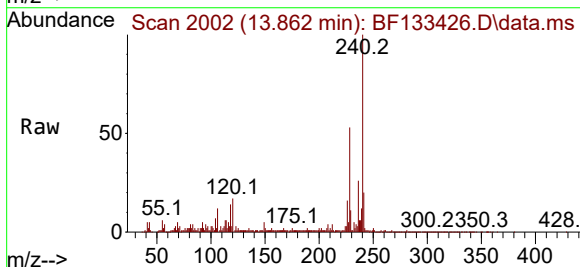
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

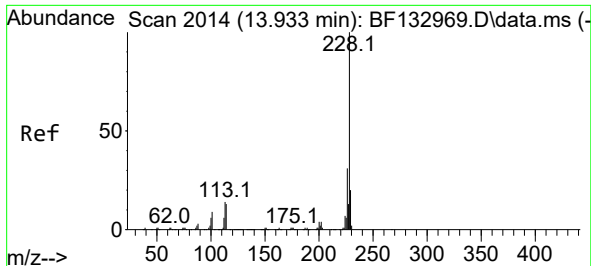
Tgt Ion:244 Resp: 931879
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.4 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 2.563 ng
 RT: 13.862 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133426.D
 Acq: 17 May 2023 21:55

Tgt Ion:228 Resp: 63807
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.2 33.4
 229 20.1 16.0 24.0

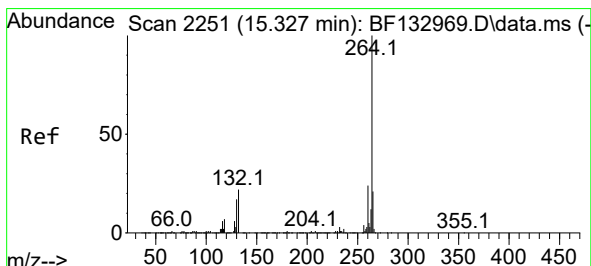
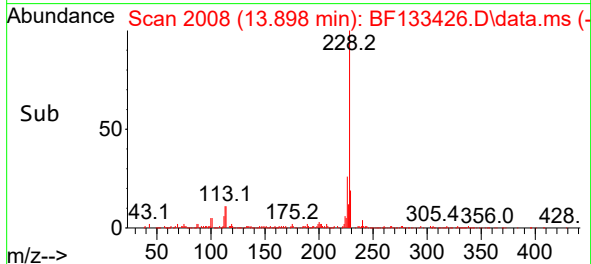
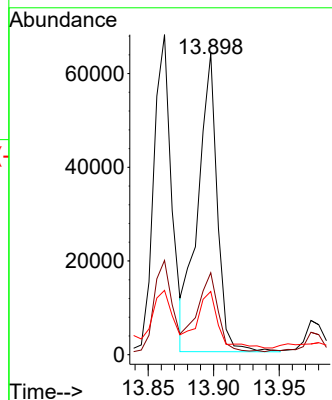
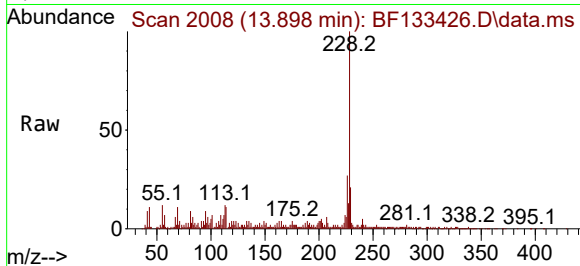




#83
Chrysene
Concen: 2.646 ng
RT: 13.898 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

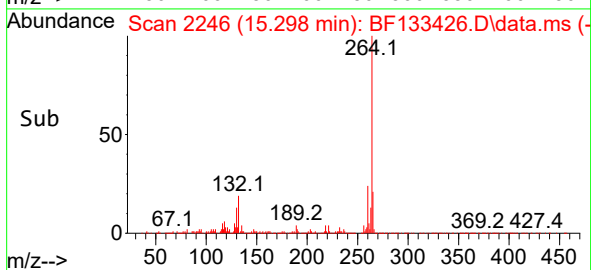
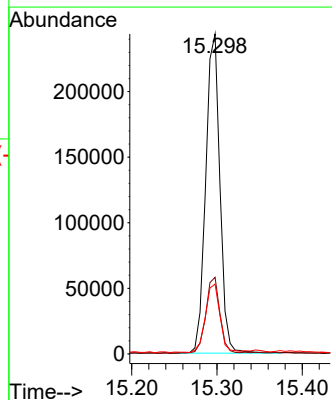
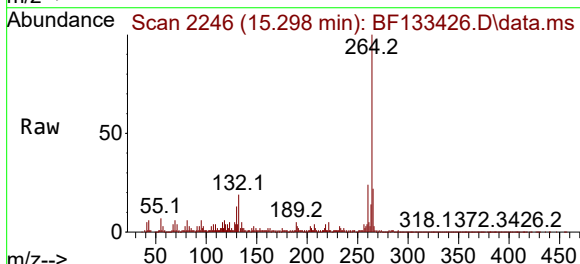
Instrument :
BNA_F
ClientSampleId :
WC-1

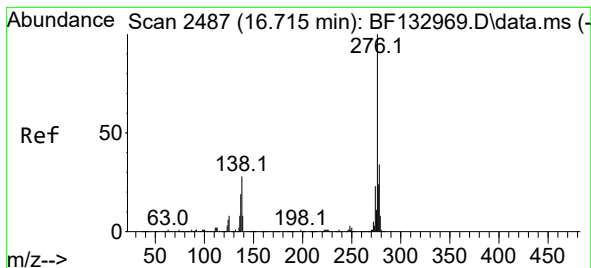
Tgt Ion:228 Resp: 65855
Ion Ratio Lower Upper
228 100
226 27.2 24.7 37.1
229 21.0 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. -0.006 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Tgt Ion:264 Resp: 281165
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 21.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.346 ng

RT: 16.674 min Scan# 2487

Delta R.T. -0.024 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

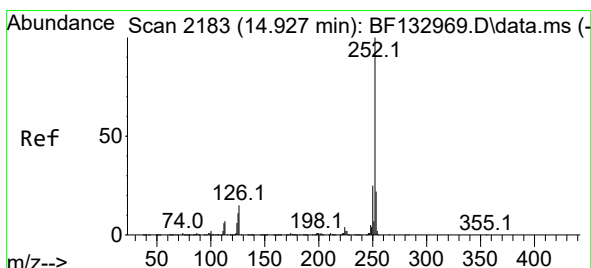
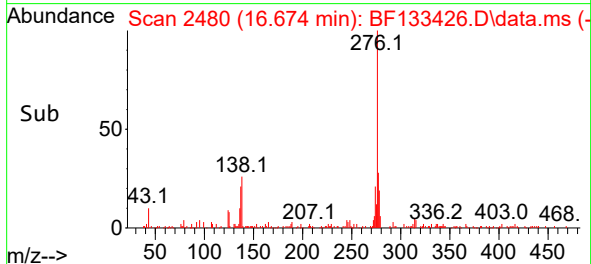
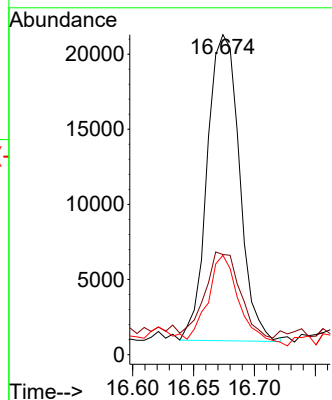
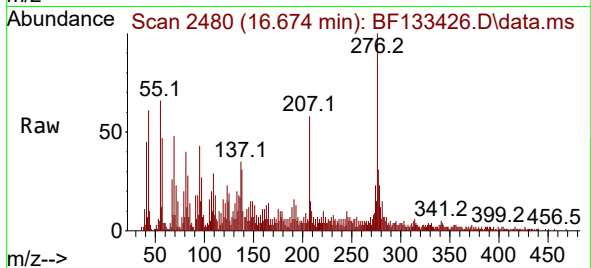
Tgt Ion:276 Resp: 37518

Ion Ratio Lower Upper

276 100

138 30.3 25.5 38.3

277 29.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 5.638 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

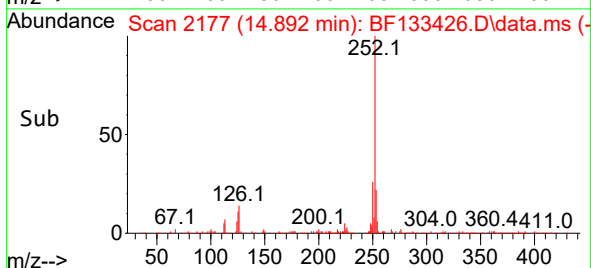
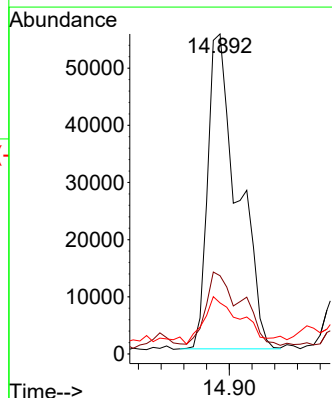
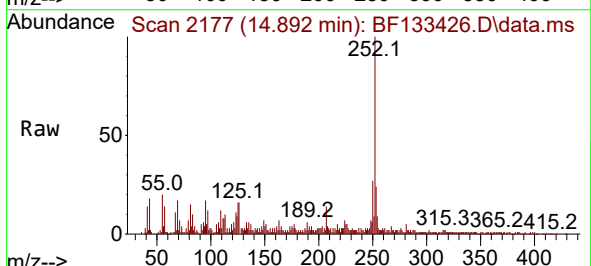
Tgt Ion:252 Resp: 100855

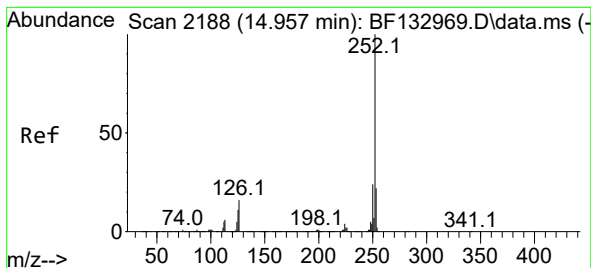
Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

125 16.0 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 5.688 ng

RT: 14.892 min Scan# 2188

Delta R.T. -0.035 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

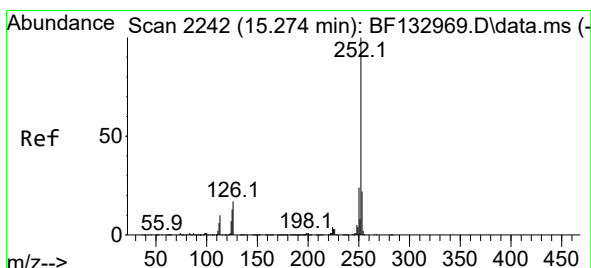
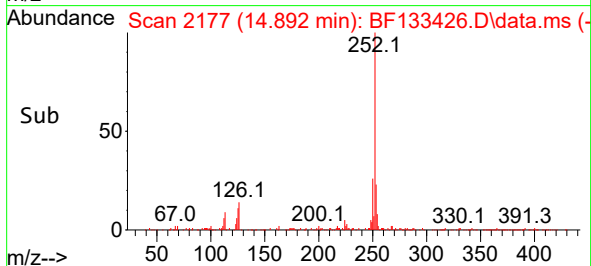
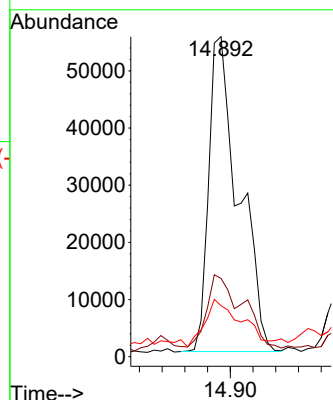
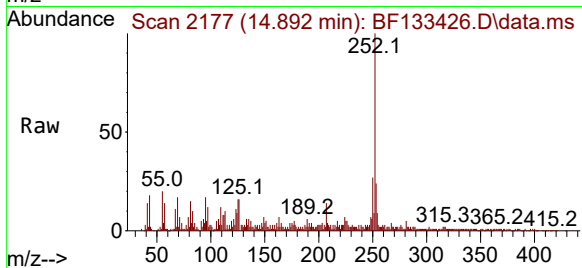
Tgt Ion:252 Resp: 100855

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 16.0 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 2.864 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

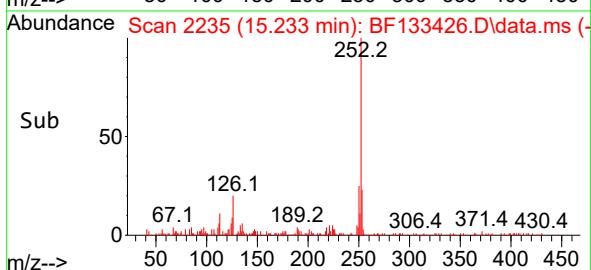
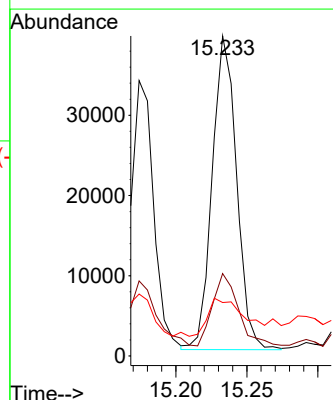
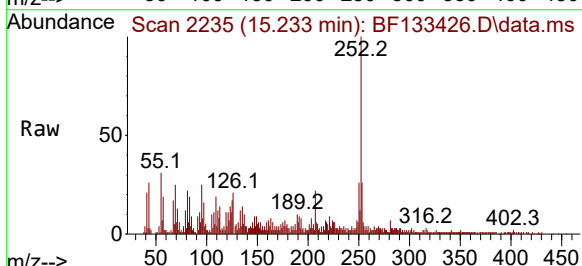
Tgt Ion:252 Resp: 46635

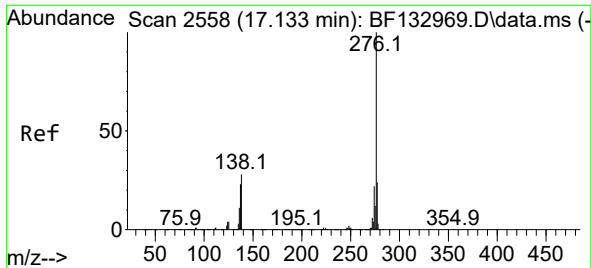
Ion Ratio Lower Upper

252 100

253 25.7 17.7 26.5

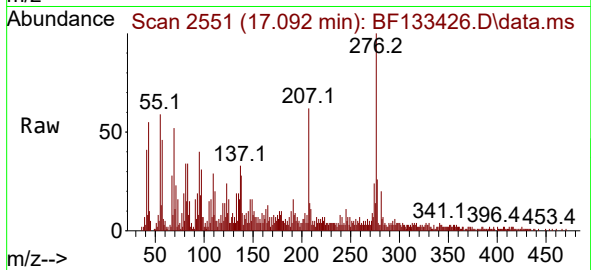
125 16.7 10.5 15.7#





#92
 Benzo(g,h,i)perylene
 Concen: 3.100 ng
 RT: 17.092 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF133426.D
 Acq: 17 May 2023 21:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:	276	Resp:	40825
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.4	29.0
138	27.9	22.7	34.1

