

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133422.D
 Acq On : 17 May 2023 19:51
 Operator : CG\JU
 Sample : 02812-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-0-10

Quant Time: May 18 04:05:23 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)

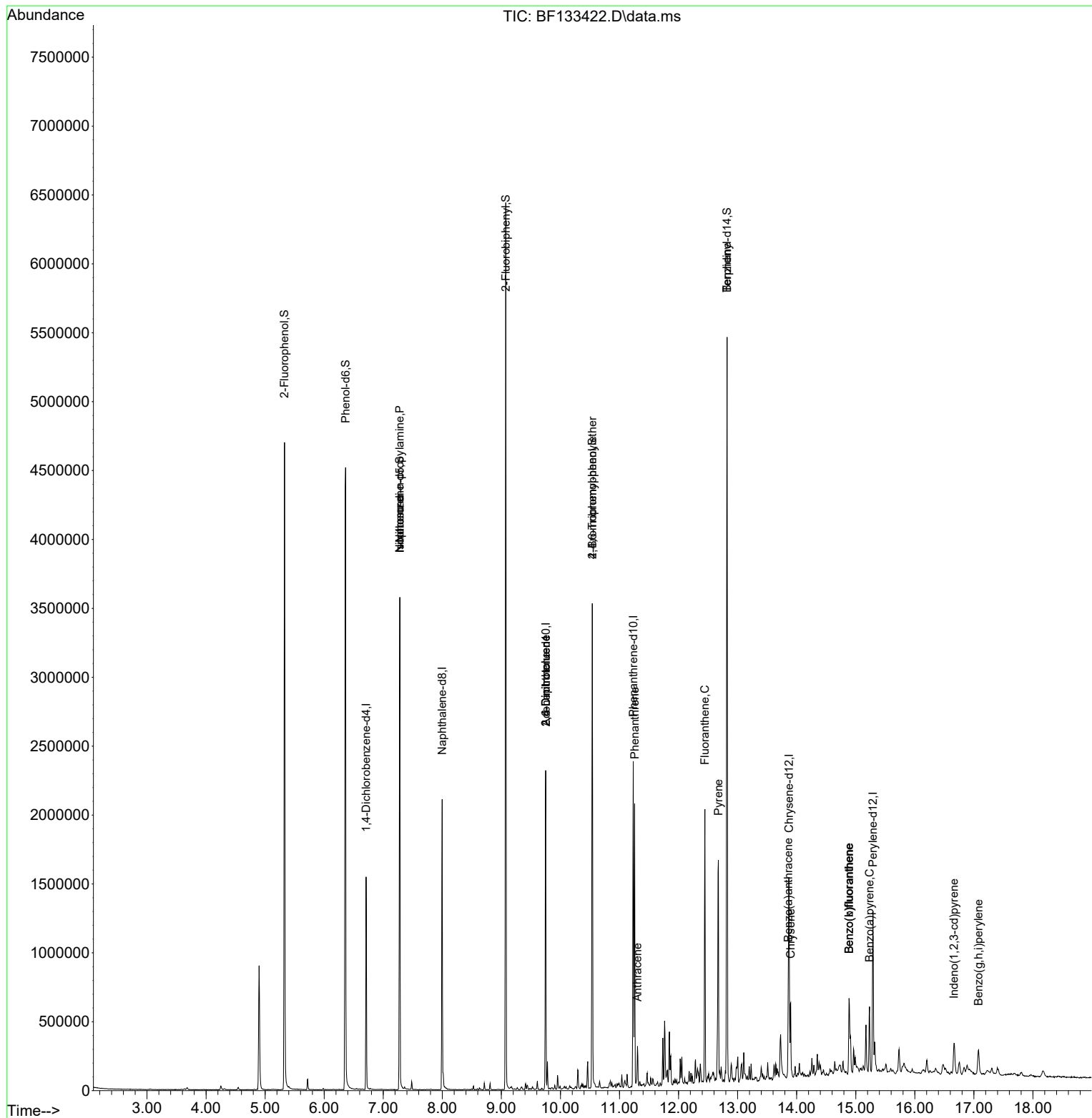
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	217051	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	875852	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	447642	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	804063	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	385901	20.000	ng	-0.02
86) Perylene-d12	15.292	264	489007	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1386492	96.496	ng	0.00
7) Phenol-d6	6.363	99	1720153	96.452	ng	0.00
23) Nitrobenzene-d5	7.281	82	1051553	64.805	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	432874	96.154	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1878740	70.215	ng	-0.01
79) Terphenyl-d14	12.821	244	1939545	86.682	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	514	Below Cal	#	39
19) n-Nitroso-di-n-propyla...	7.281	70	135617	12.215	ng	# 75
25) Isophorone	7.281	82	1051540	34.132	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	59019	8.401	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	59019	6.588	ng	# 23
67) 4-Bromophenyl-phenylether	10.539	248	28302	3.245	ng	# 1
71) Phenanthrene	11.257	178	664061	15.366	ng	100
72) Anthracene	11.304	178	98167	2.220	ng	97
75) Fluoranthene	12.445	202	689072	15.887	ng	97
77) Benzidine	12.821	184	22899	3.509	ng	# 91
78) Pyrene	12.674	202	668780	20.217	ng	98
81) Benzo(a)anthracene	13.857	228	211891	7.985	ng	99
83) Chrysene	13.898	228	219475	8.273	ng	99
87) Indeno(1,2,3-cd)pyrene	16.662	276	141514	5.088	ng	93
88) Benzo(b)fluoranthene	14.886	252	358778	11.533	ng	95
89) Benzo(k)fluoranthene	14.886	252	358778	11.634	ng	96
90) Benzo(a)pyrene	15.233	252	207712	7.335	ng	100
92) Benzo(g,h,i)perylene	17.080	276	128755	5.622	ng	99

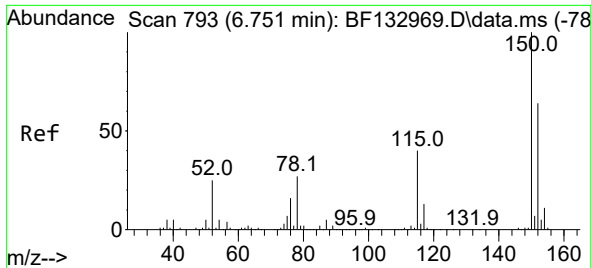
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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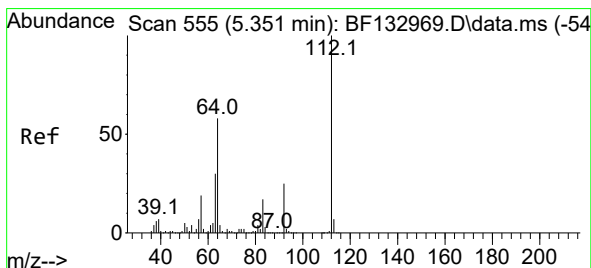
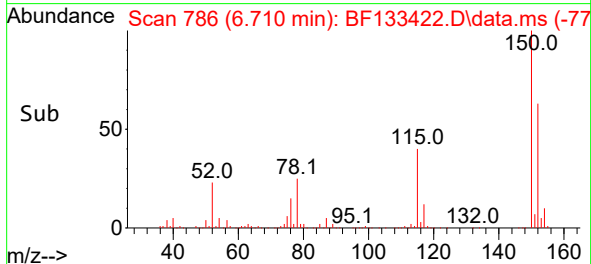
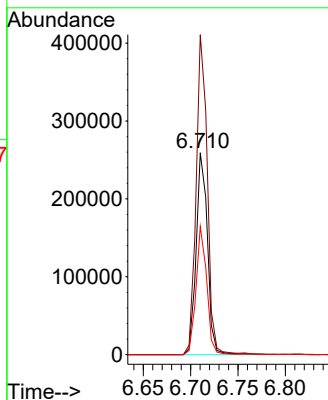
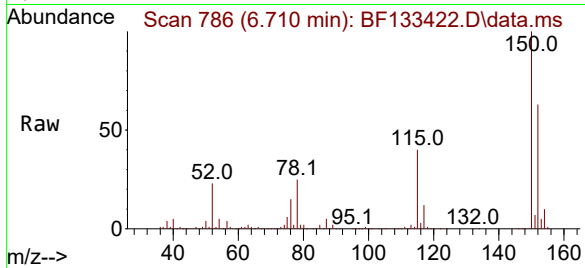




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

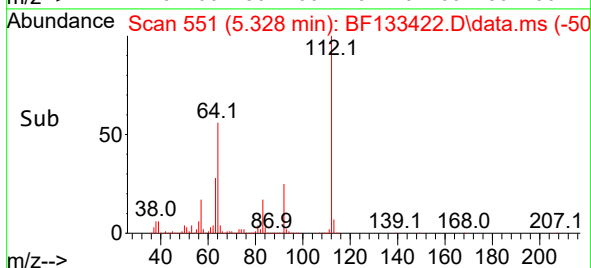
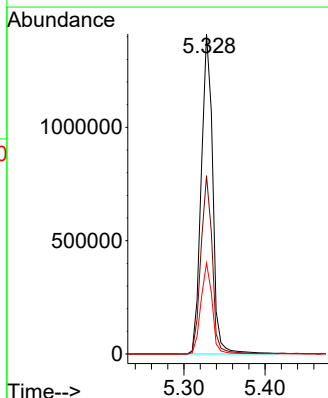
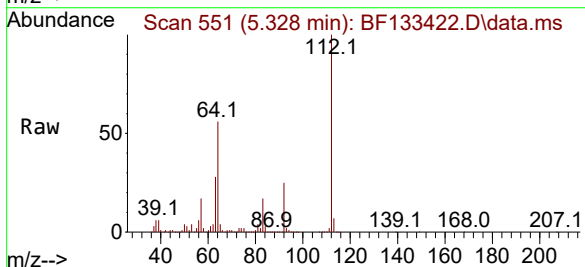
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

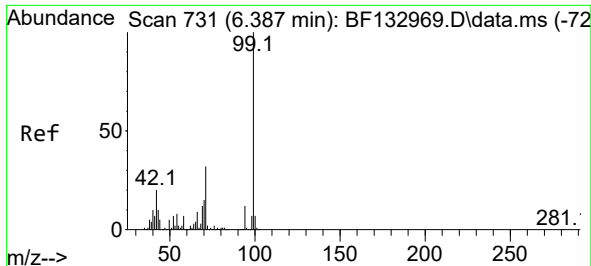
Tgt Ion:152 Resp: 217051
Ion Ratio Lower Upper
152 100
150 158.5 124.8 187.2
115 63.5 49.9 74.9



#5
2-Fluorophenol
Concen: 96.496 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:112 Resp: 1386492
Ion Ratio Lower Upper
112 100
64 55.7 46.8 70.2
63 28.4 23.8 35.8

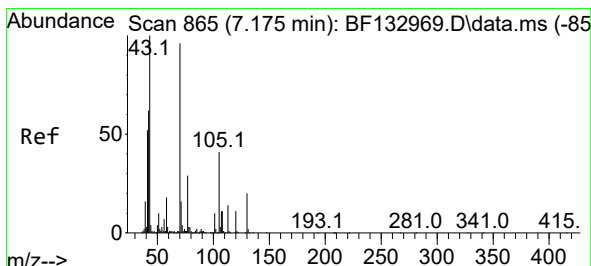
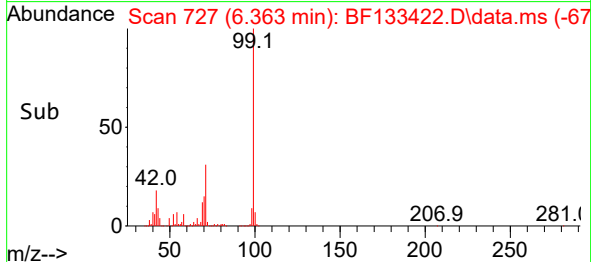
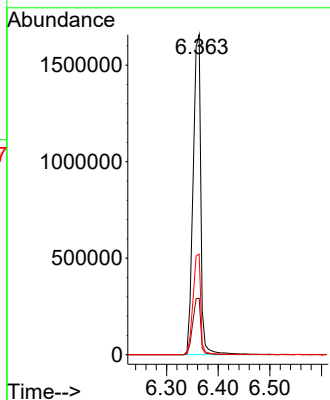
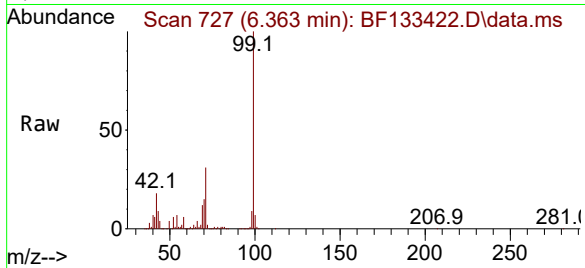




#7
Phenol-d6
Concen: 96.452 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

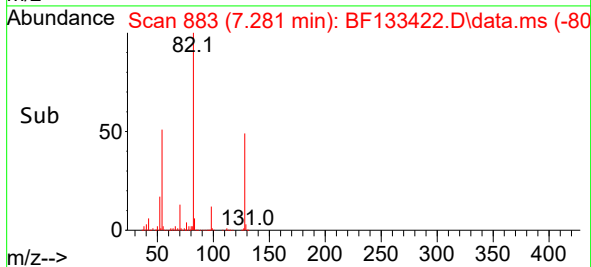
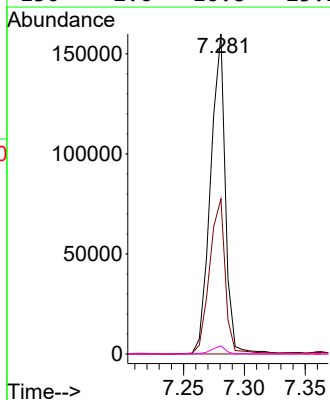
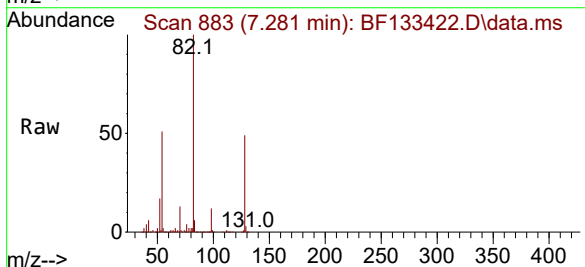
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

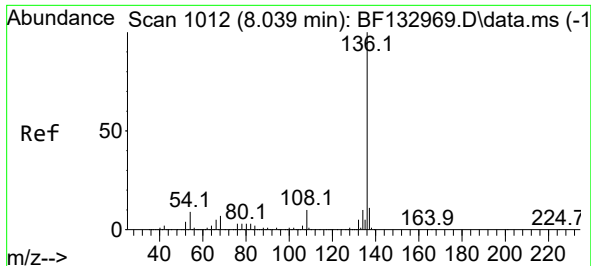
Tgt Ion: 99 Resp: 1720153
Ion Ratio Lower Upper
99 100
42 17.6 16.3 24.5
71 31.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.215 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion: 70 Resp: 135617
Ion Ratio Lower Upper
70 100
42 48.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.6 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: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-0-10

Tgt Ion:136 Resp: 875852

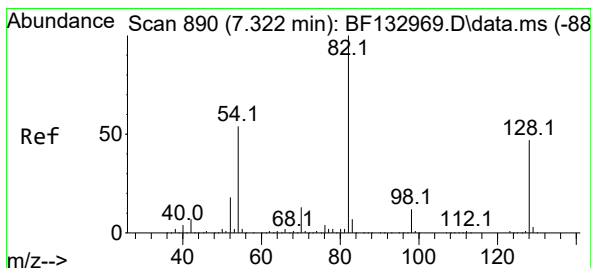
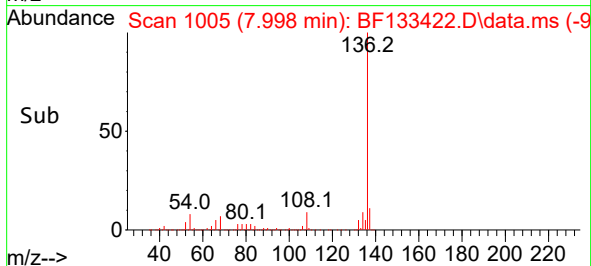
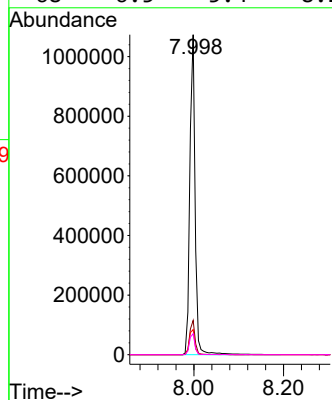
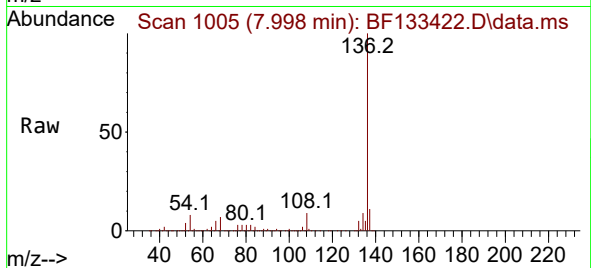
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.8 7.0 10.4

68 6.5 5.4 8.2



#23

Nitrobenzene-d5

Concen: 64.805 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

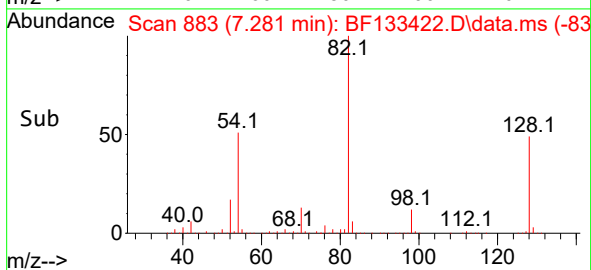
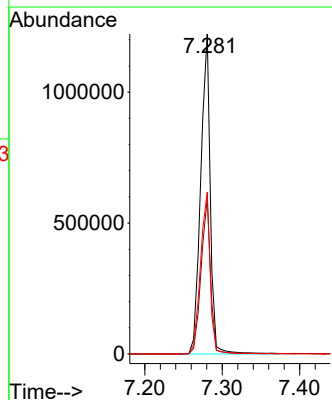
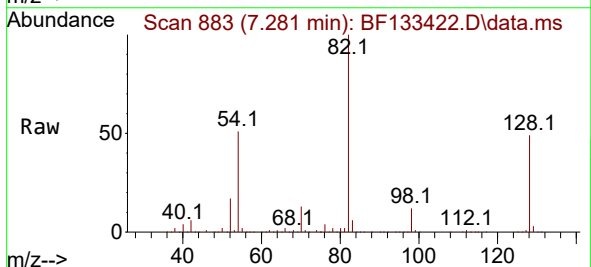
Tgt Ion: 82 Resp: 1051553

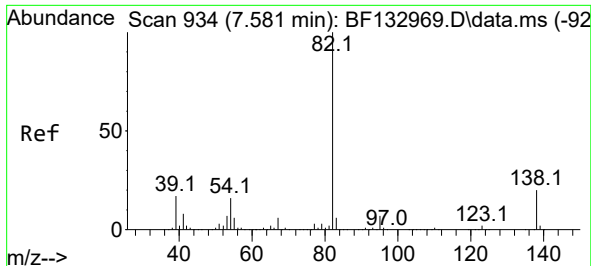
Ion Ratio Lower Upper

82 100

128 48.7 37.7 56.5

54 50.6 43.0 64.4

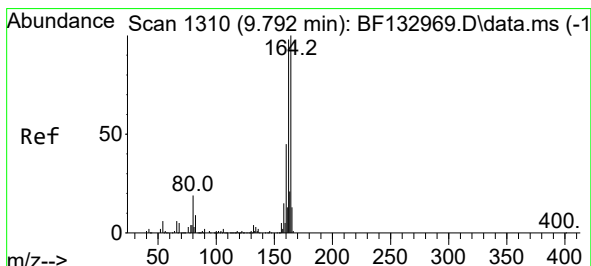
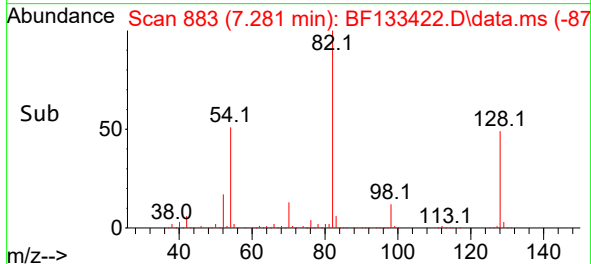
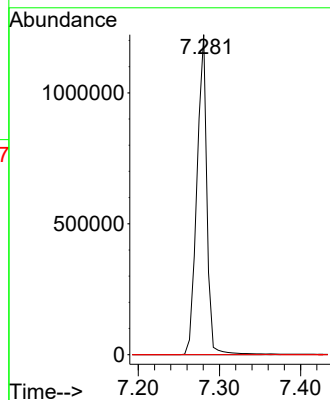
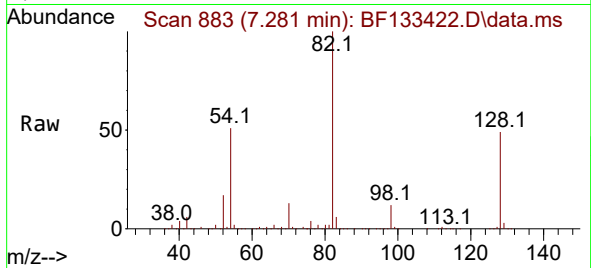




#25
Isophorone
Concen: 34.132 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

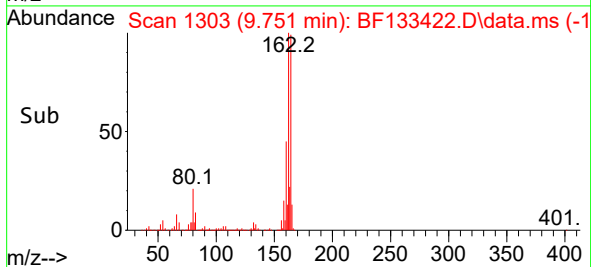
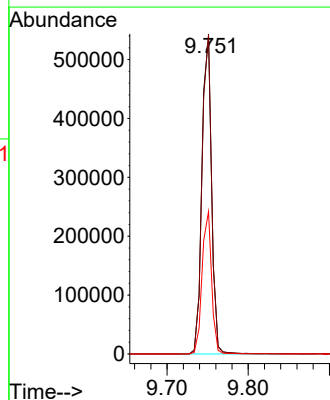
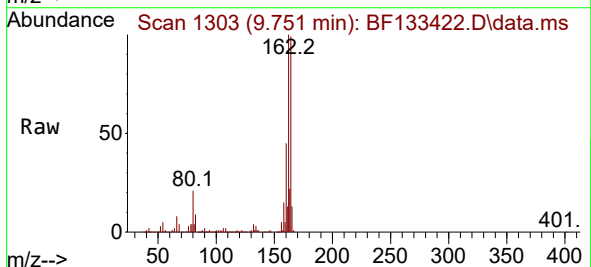
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

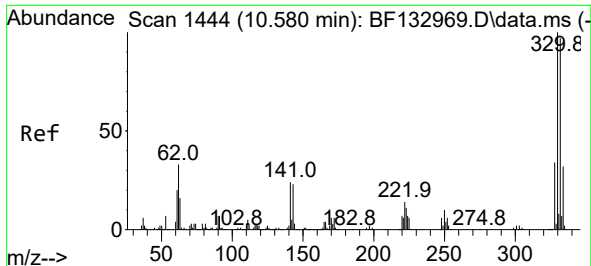
Tgt Ion: 82 Resp: 1051540
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:164 Resp: 447642
Ion Ratio Lower Upper
164 100
162 100.8 78.7 118.1
160 44.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 96.154 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-0-10

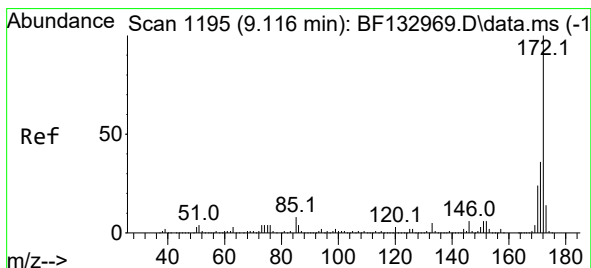
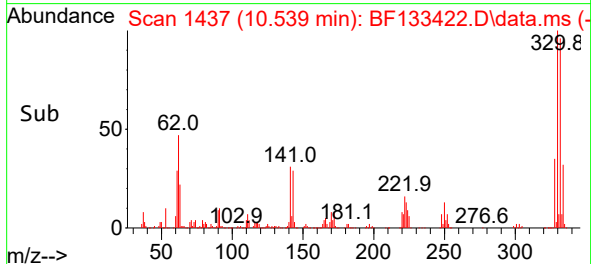
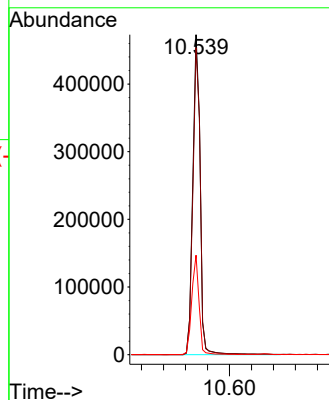
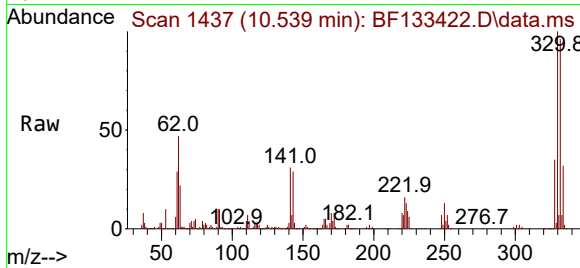
Tgt Ion:330 Resp: 432874

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 31.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 70.215 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

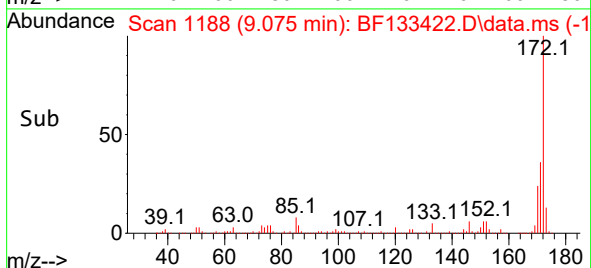
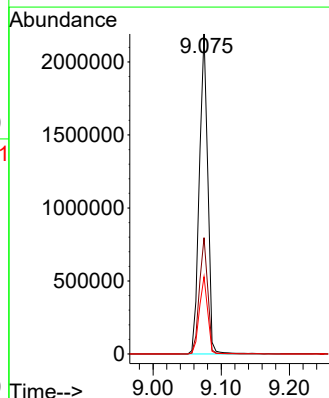
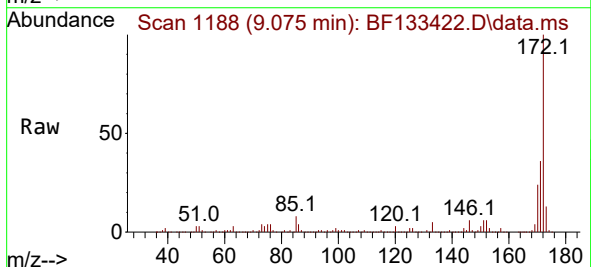
Tgt Ion:172 Resp: 1878740

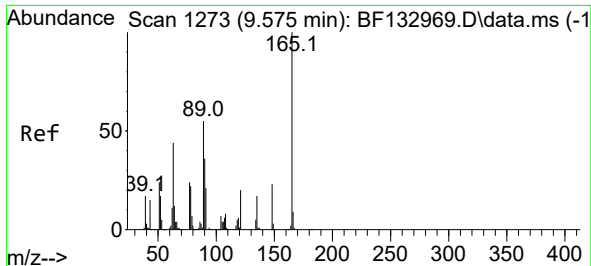
Ion Ratio Lower Upper

172 100

171 36.4 28.8 43.2

170 24.2 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.401 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-0-10

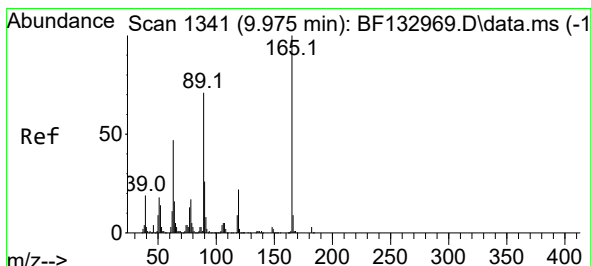
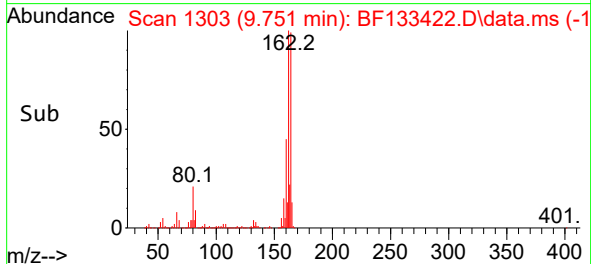
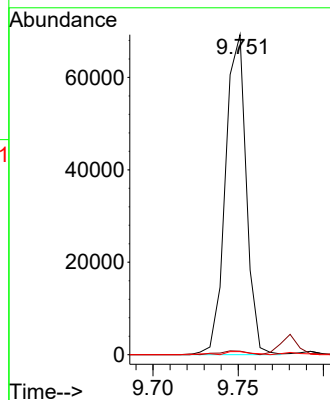
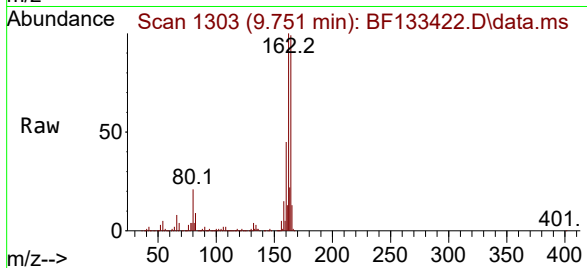
Tgt Ion:165 Resp: 59019

Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.0 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.588 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.206 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Tgt Ion:165 Resp: 59019

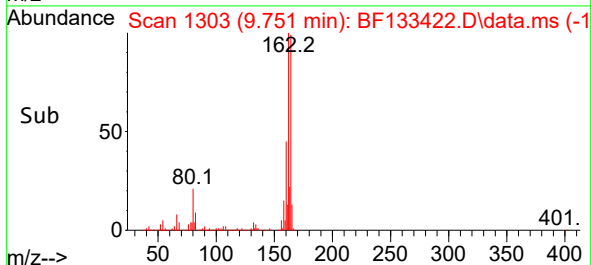
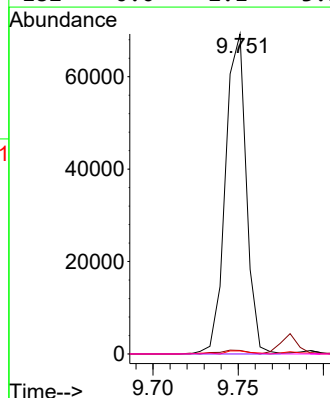
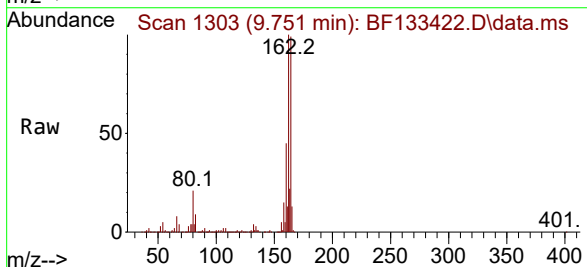
Ion Ratio Lower Upper

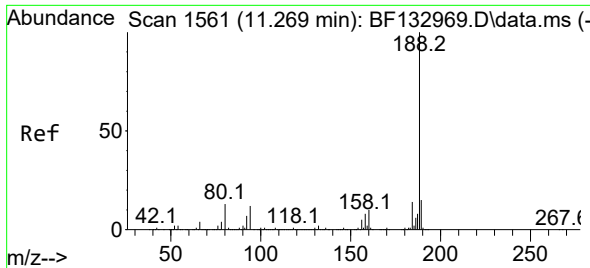
165 100

63 1.1 37.7 56.5#

89 1.0 57.0 85.4#

182 0.0 2.1 3.1#

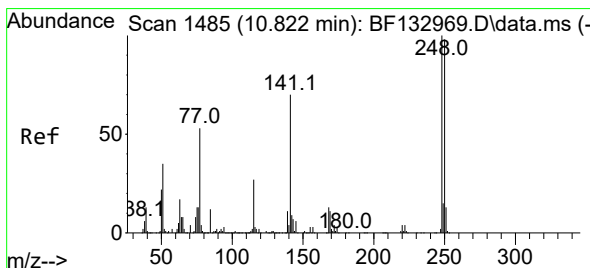
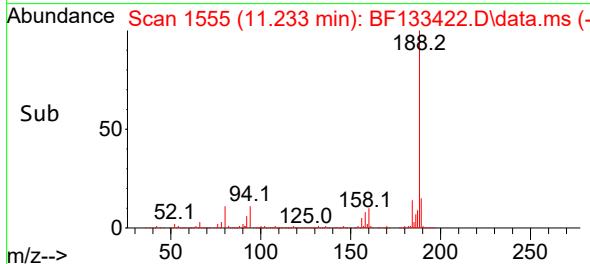
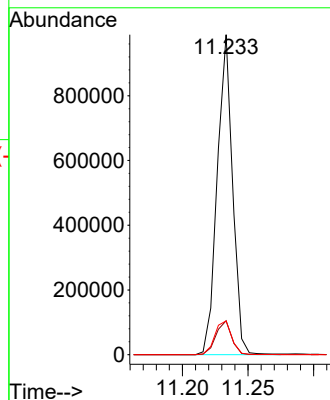
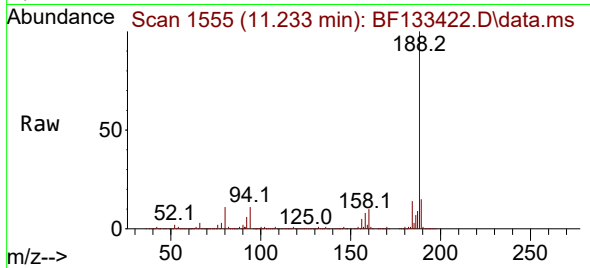




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

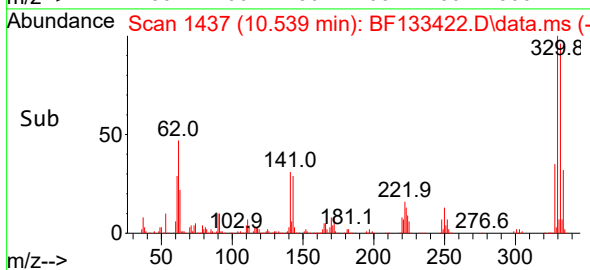
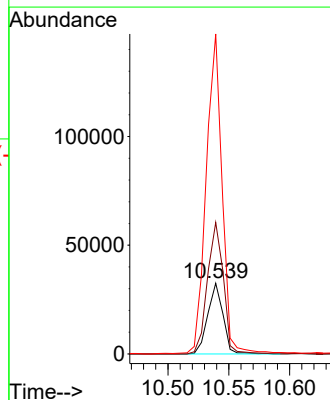
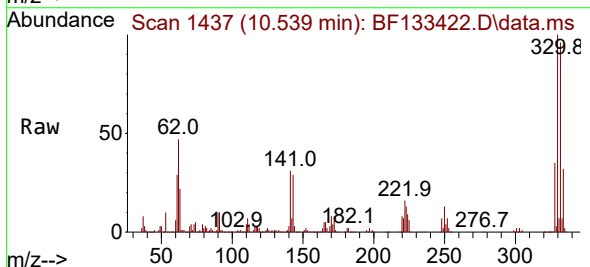
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

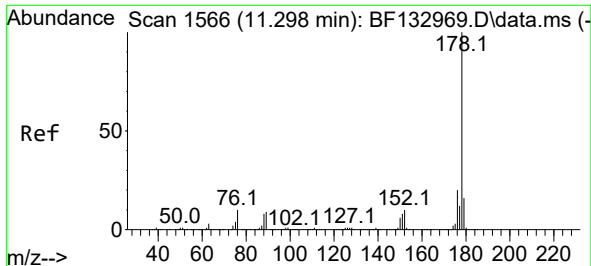
Tgt Ion:188 Resp: 804063
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 10.5 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.245 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:248 Resp: 28302
Ion Ratio Lower Upper
248 100
250 185.9 78.7 118.1#
141 452.0 56.3 84.5#

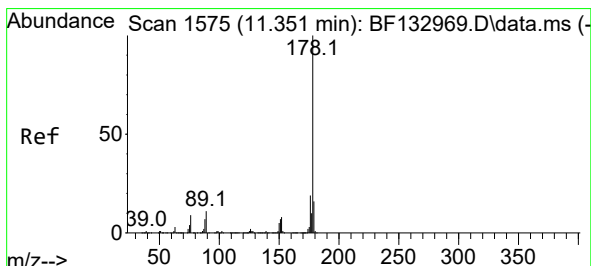
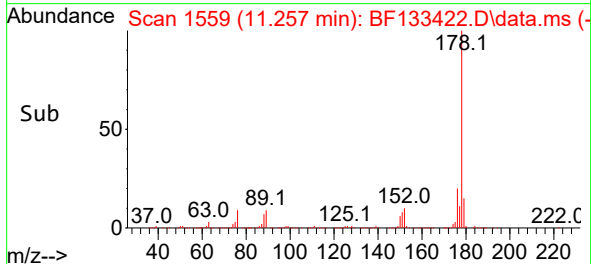
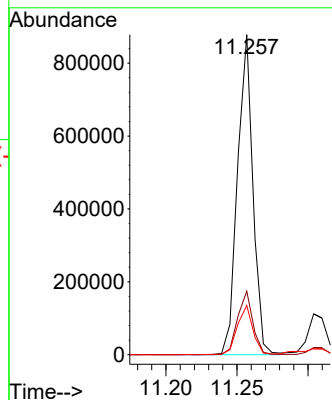
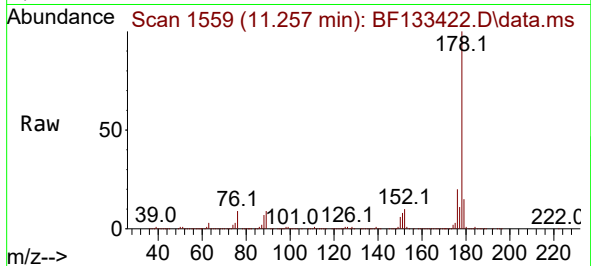




#71
Phenanthrene
Concen: 15.366 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

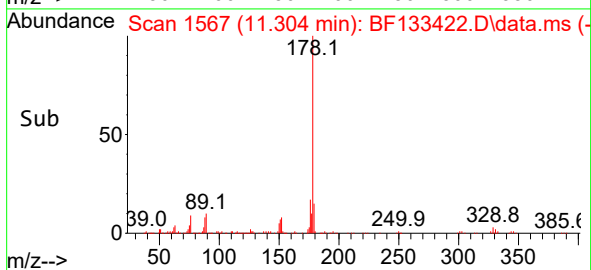
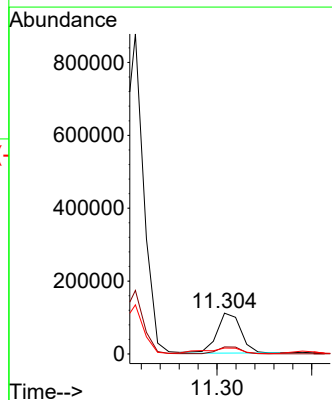
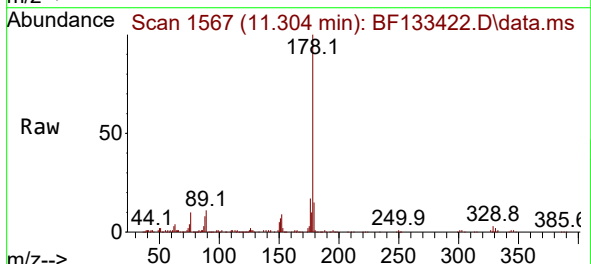
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

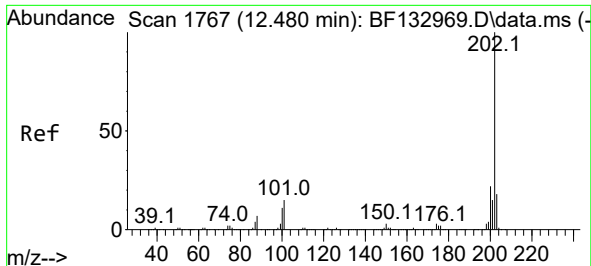
Tgt Ion:178 Resp: 664061
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 2.220 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:178 Resp: 98167
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.0
179 14.6 12.4 18.6

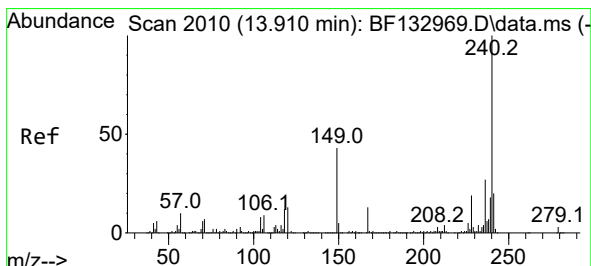
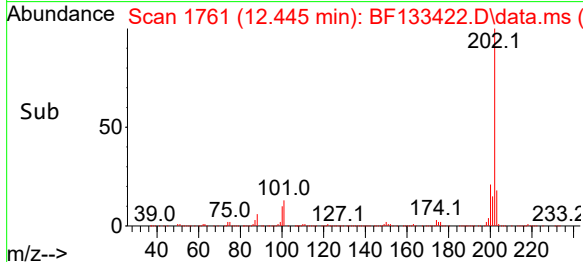
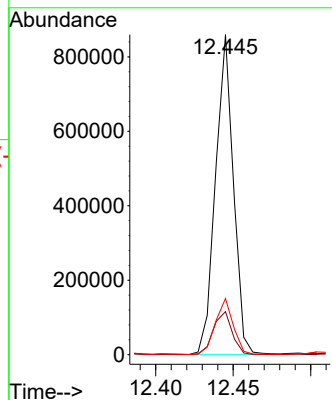
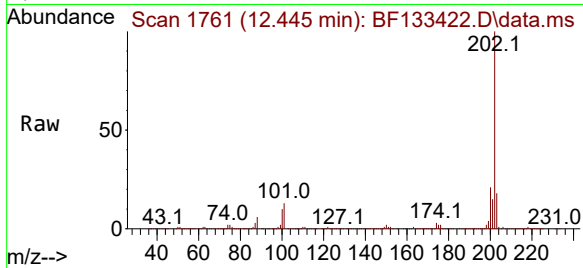




#75
Fluoranthene
Concen: 15.887 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

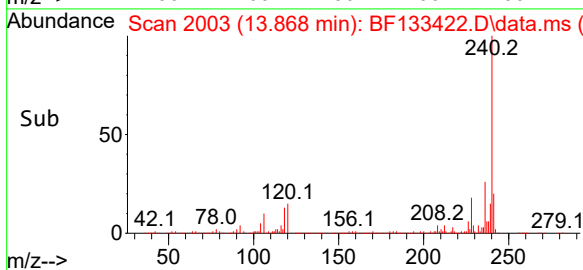
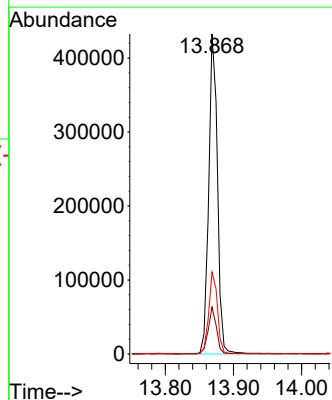
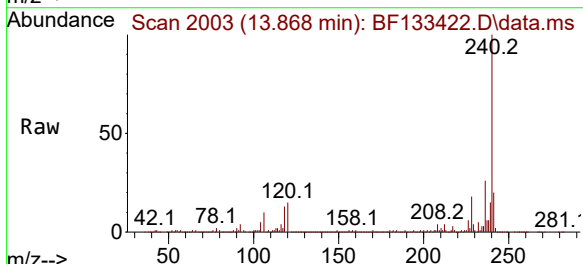
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

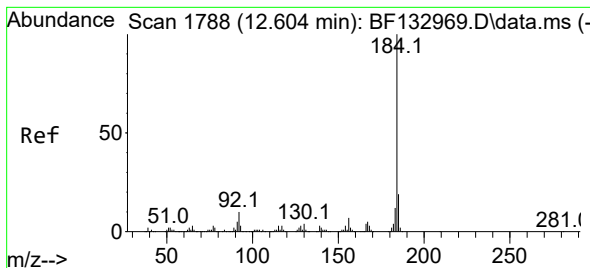
Tgt Ion:202 Resp: 689072
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.3
203 17.6 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.018 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:240 Resp: 385901
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 25.6 21.5 32.3





#77

Benzidine

Concen: 3.509 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.241 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-0-10

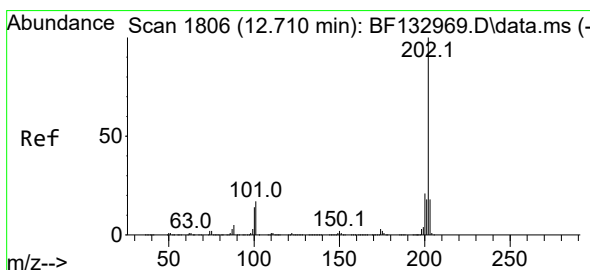
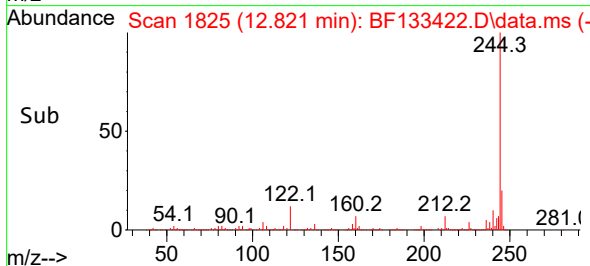
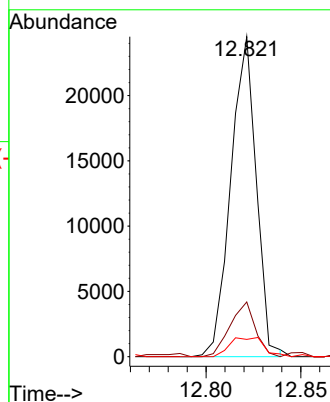
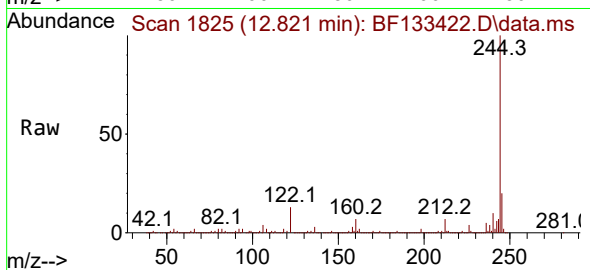
Tgt Ion:184 Resp: 22899

Ion Ratio Lower Upper

184 100

185 17.1 15.4 23.2

183 5.4 9.4 14.0#



#78

Pyrene

Concen: 20.217 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

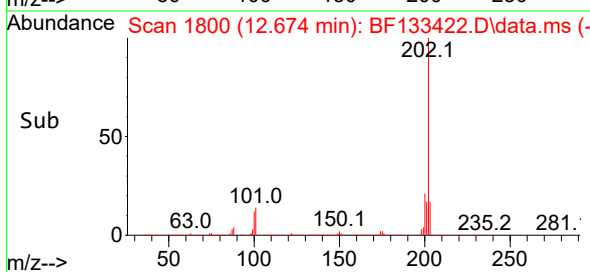
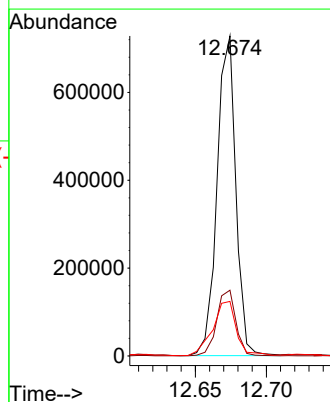
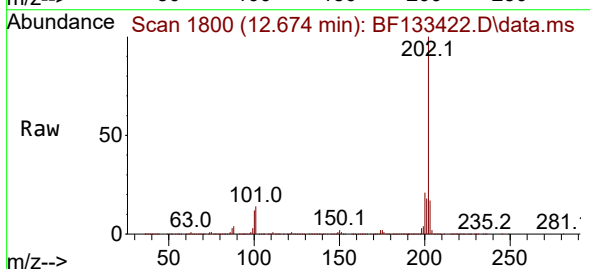
Tgt Ion:202 Resp: 668780

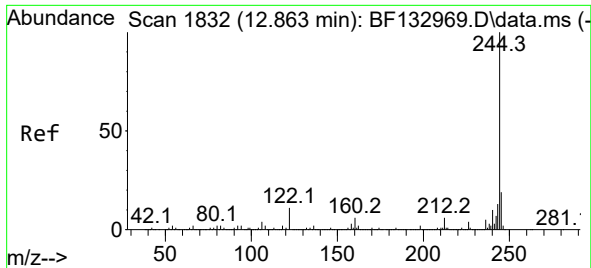
Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 17.1 14.1 21.1

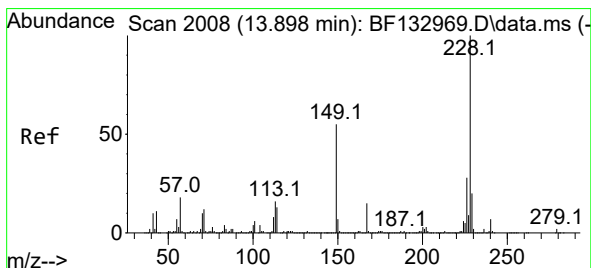
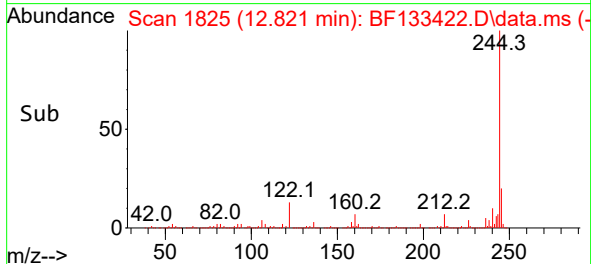
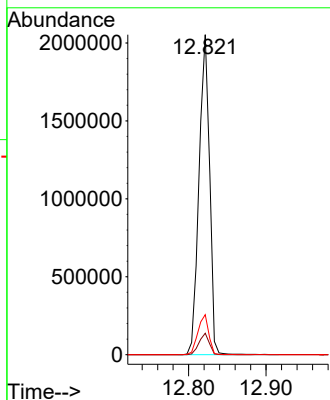
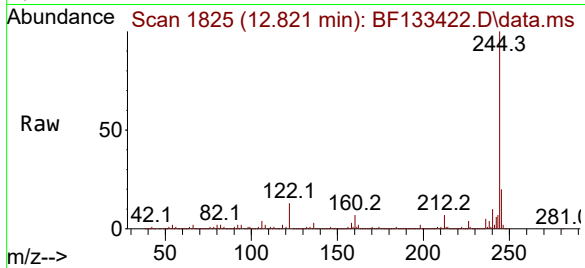




#79
 Terphenyl-d14
 Concen: 86.682 ng
 RT: 12.821 min Scan# 1832
 Delta R.T. -0.012 min
 Lab File: BF133422.D
 Acq: 17 May 2023 19:51

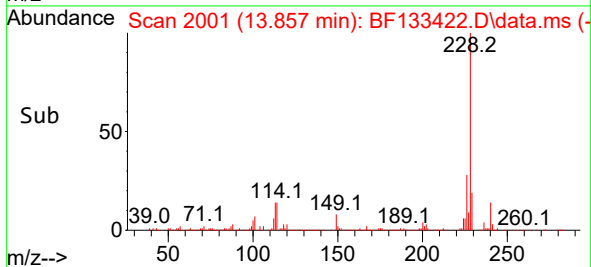
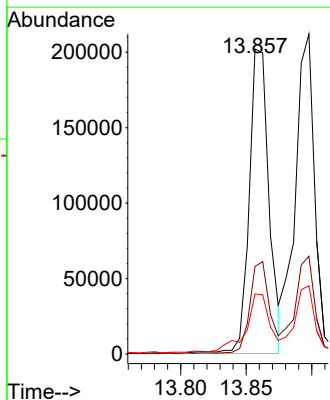
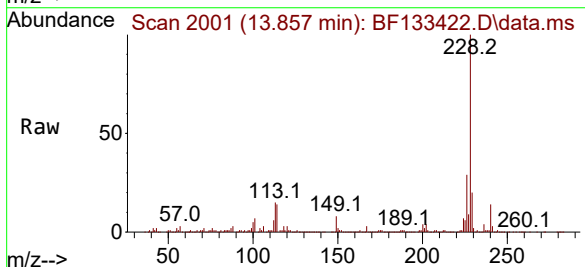
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-0-10

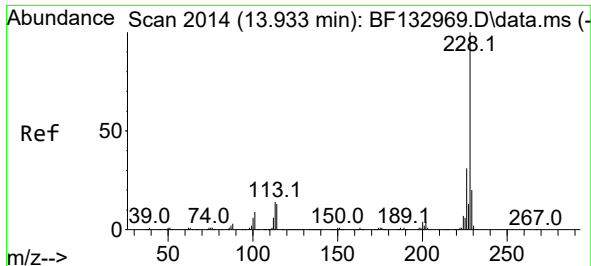
Tgt Ion:244 Resp: 1939545
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 12.5 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 7.985 ng
 RT: 13.857 min Scan# 2001
 Delta R.T. -0.018 min
 Lab File: BF133422.D
 Acq: 17 May 2023 19:51

Tgt Ion:228 Resp: 211891
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.2 33.4
 229 19.7 16.0 24.0

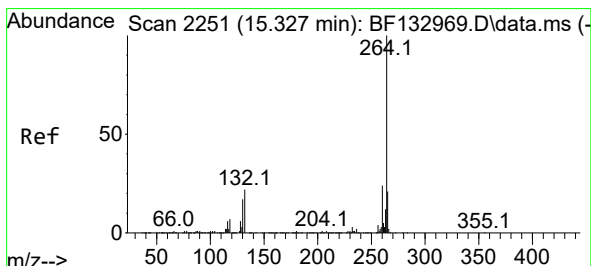
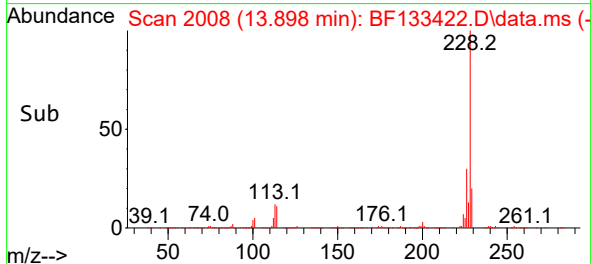
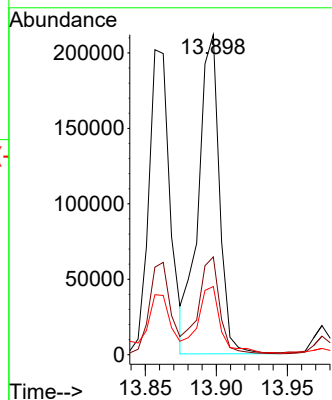
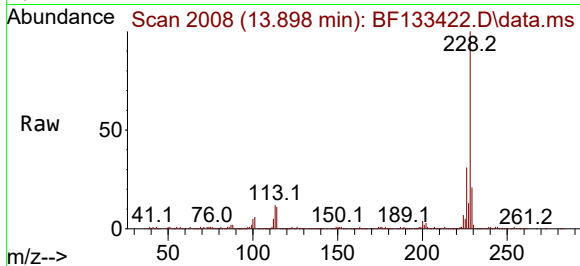




#83
Chrysene
Concen: 8.273 ng
RT: 13.898 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

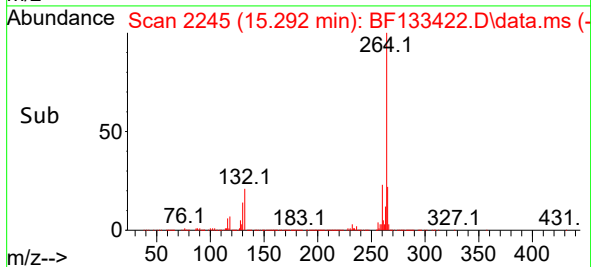
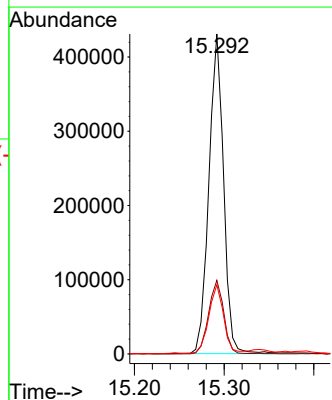
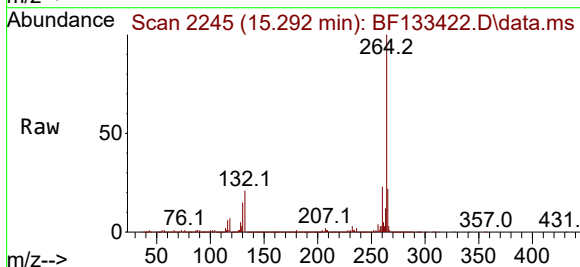
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

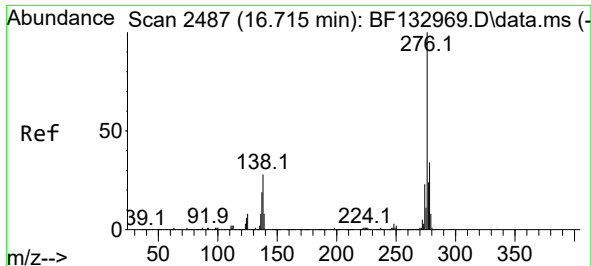
Tgt Ion:228 Resp: 219475
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 21.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:264 Resp: 489007
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 21.6 17.0 25.4

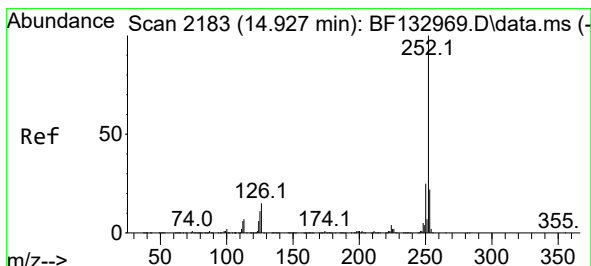
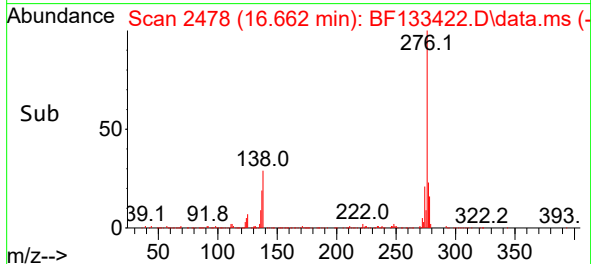
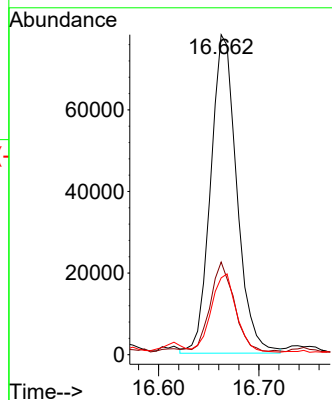
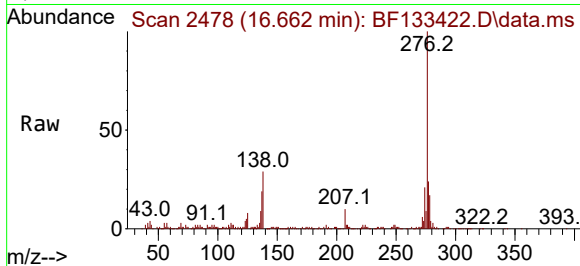




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.088 ng
RT: 16.662 min Scan# 2487
Delta R.T. -0.035 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

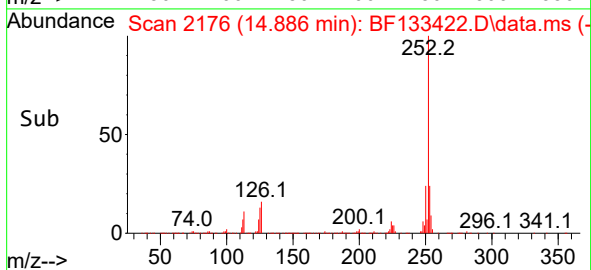
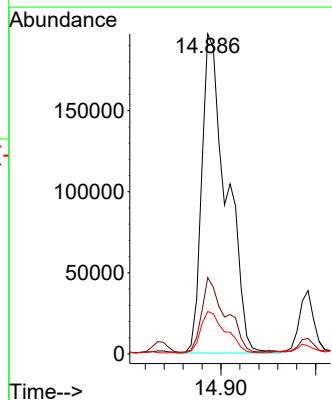
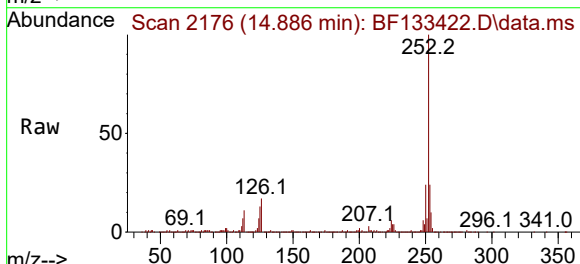
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

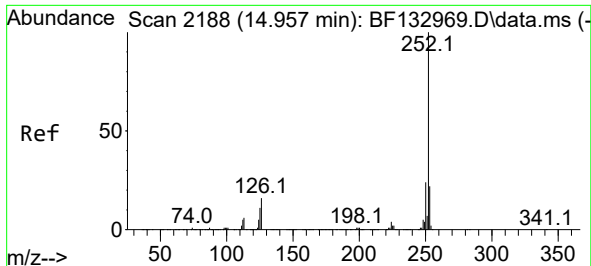
Tgt Ion:276 Resp: 141514
Ion Ratio Lower Upper
276 100
138 26.5 25.5 38.3
277 23.7 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 11.533 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:252 Resp: 358778
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 13.3 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 11.634 ng

RT: 14.886 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-0-10

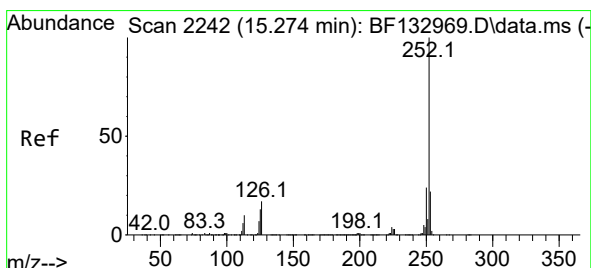
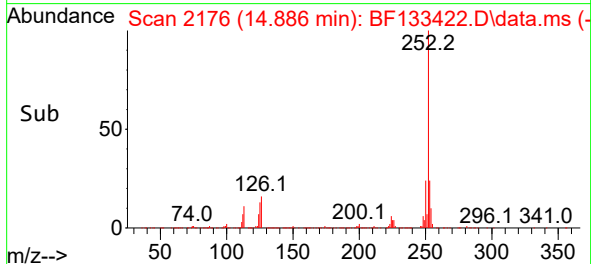
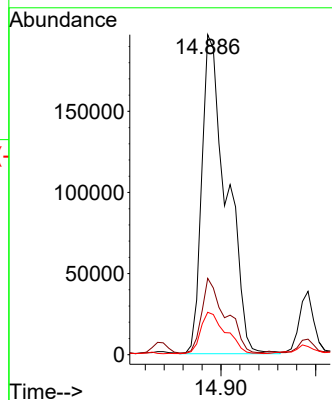
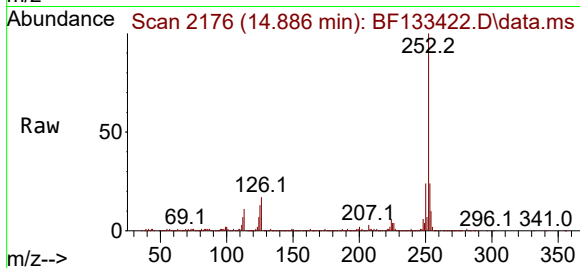
Tgt Ion:252 Resp: 358778

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 13.3 9.0 13.4



#90

Benzo(a)pyrene

Concen: 7.335 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

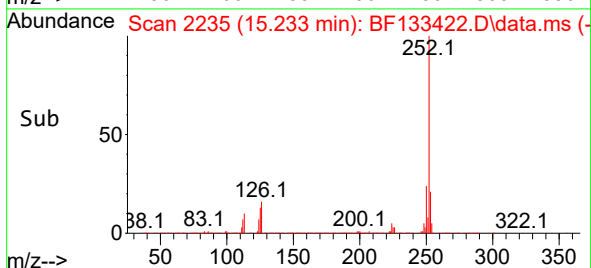
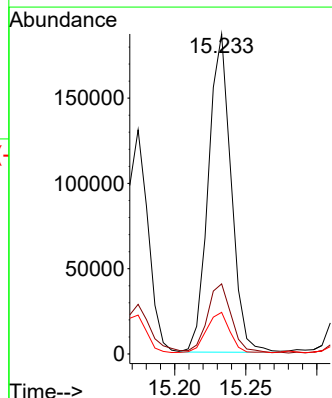
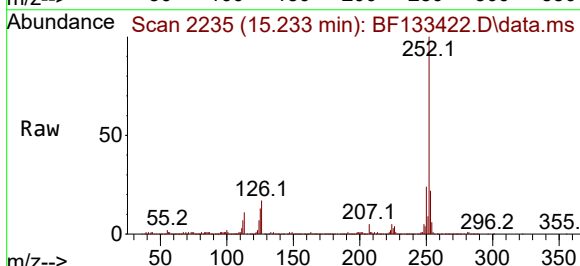
Tgt Ion:252 Resp: 207712

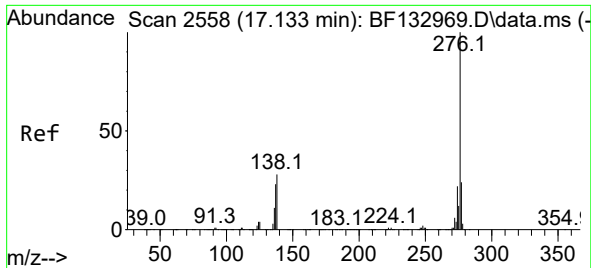
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

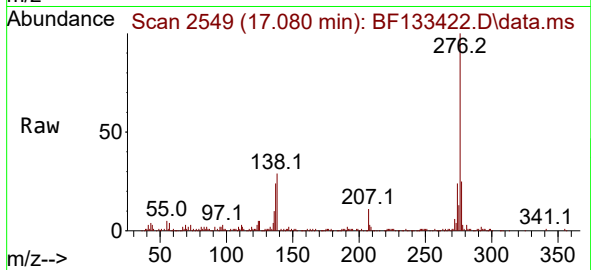
125 13.0 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 5.622 ng
 RT: 17.080 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF133422.D
 Acq: 17 May 2023 19:51

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-0-10



Tgt Ion:276 Resp: 128755
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.4 29.0
 138 28.5 22.7 34.1

