

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136883.D
 Acq On : 02 Jan 2024 21:28
 Operator : CG\JU
 Sample : 05899-23
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-19-0-2

Quant Time: Jan 03 02:04:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

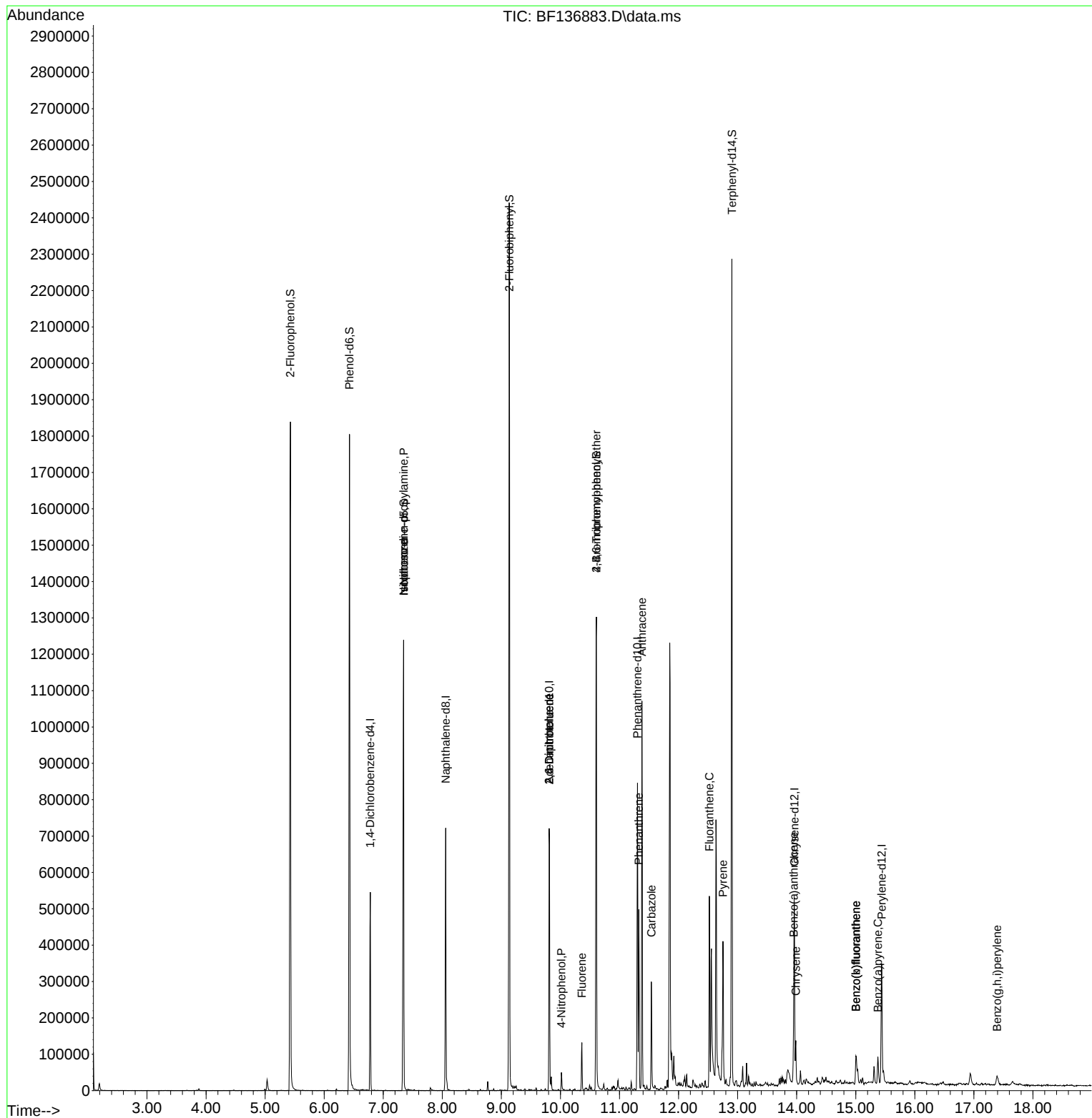
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	80546	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	302687	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	157463	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	295881	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	158657	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	163867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	508150	98.436	ng	0.00
7) Phenol-d6	6.428	99	647087	96.738	ng	-0.01
23) Nitrobenzene-d5	7.345	82	402684	68.076	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	181594	97.922	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	801816	68.488	ng	-0.02
79) Terphenyl-d14	12.904	244	782158	68.893	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	52430	12.930	ng	# 71
25) Isophorone	7.345	82	400264	37.188	ng	# 65
51) 2,6-Dinitrotoluene	9.810	165	20295	7.775	ng	# 30
56) 4-Nitrophenol	10.016	139	6021	3.226	ng	# 7
57) 2,4-Dinitrotoluene	9.810	165	20295	5.989	ng	# 21
58) Fluorene	10.363	166	37262	3.255	ng	100
67) 4-Bromophenyl-phenylether	10.610	248	10563	3.215	ng	# 1
71) Phenanthrene	11.327	178	165104	10.875	ng	99
72) Anthracene	11.380	178	399020	25.952	ng	99
73) Carbazole	11.539	167	119212	8.224	ng	99
75) Fluoranthene	12.521	202	202886	12.493	ng	98
78) Pyrene	12.751	202	157282	10.098	ng	100
81) Benzo(a)anthracene	13.951	228	48862	4.435	ng	97
83) Chrysene	13.986	228	45642	4.237	ng	97
88) Benzo(b)fluoranthene	15.004	252	62650	5.724	ng	99
89) Benzo(k)fluoranthene	15.004	252	62650	6.058	ng	99
90) Benzo(a)pyrene	15.374	252	35667	3.861	ng	97
92) Benzo(g,h,i)perylene	17.392	276	22584	2.272	ng	96

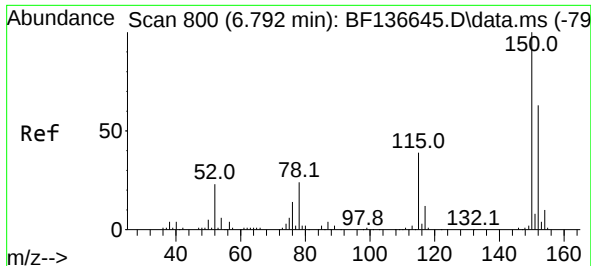
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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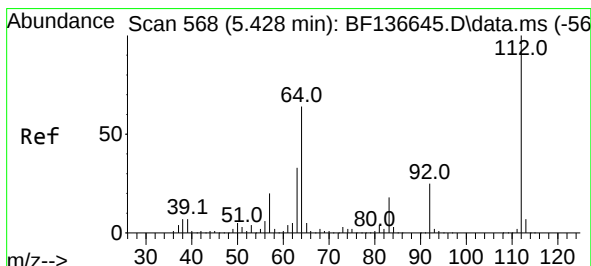
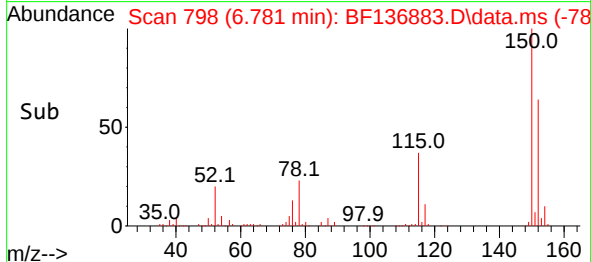
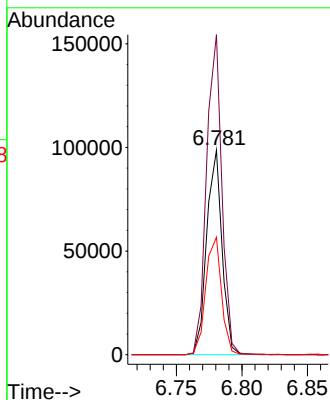
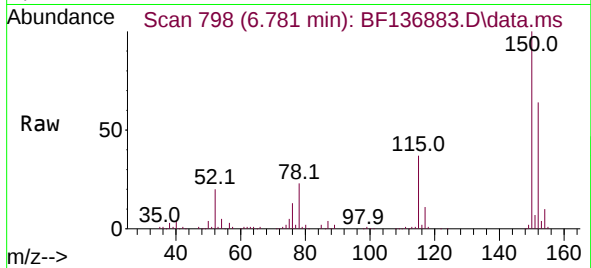




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

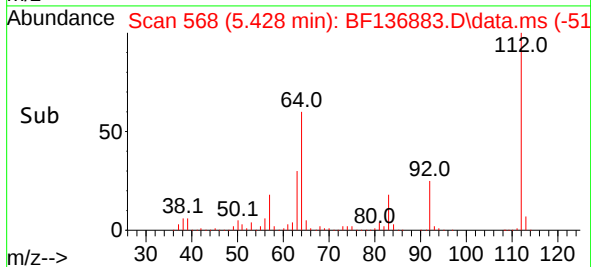
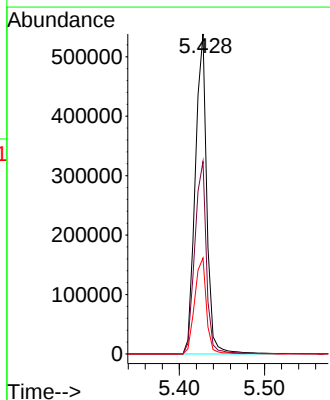
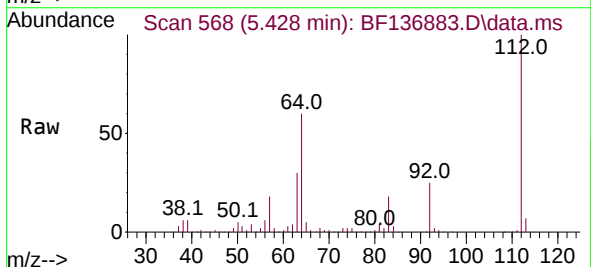
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

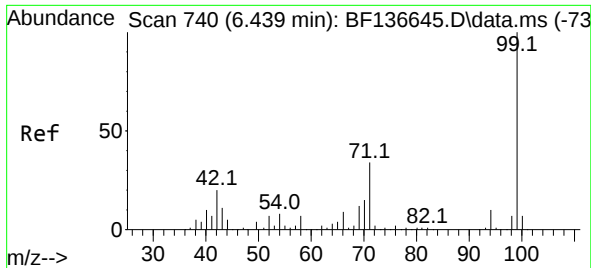
Tgt Ion:152 Resp: 80546
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 57.4 49.0 73.4



#5
2-Fluorophenol
Concen: 98.436 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

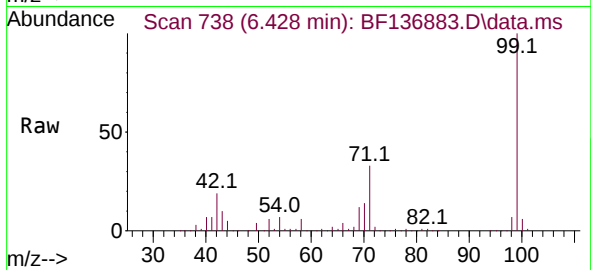
Tgt Ion:112 Resp: 508150
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 30.0 26.1 39.1





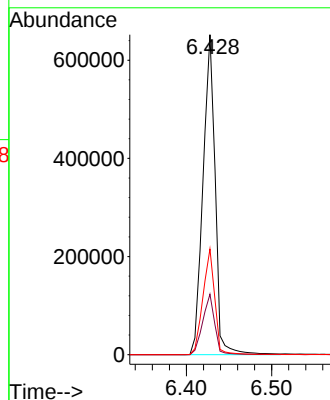
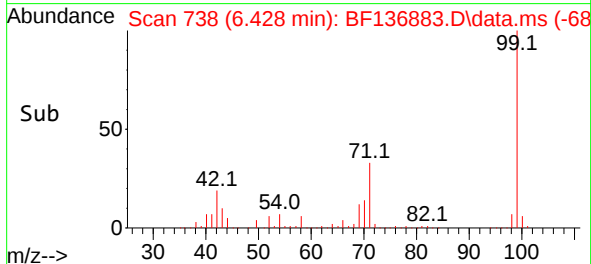
#7
Phenol-d6
Concen: 96.738 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

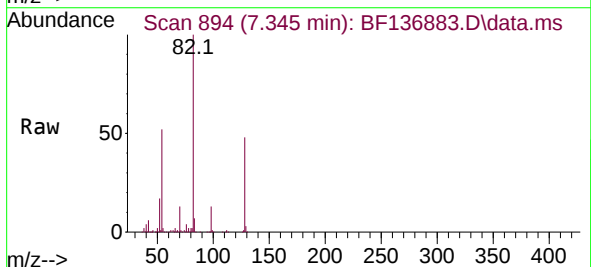


Tgt Ion: 99 Resp: 647087

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.1	24.1
71	33.1	27.4	41.2

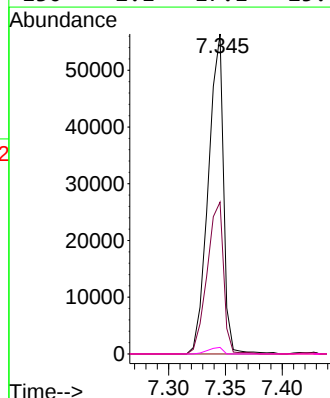
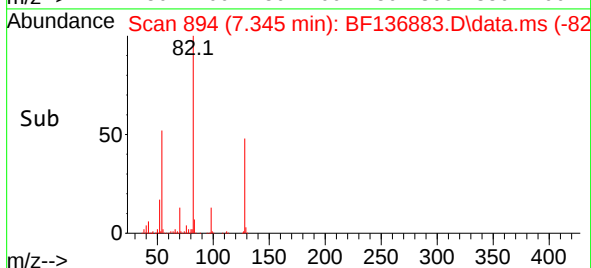


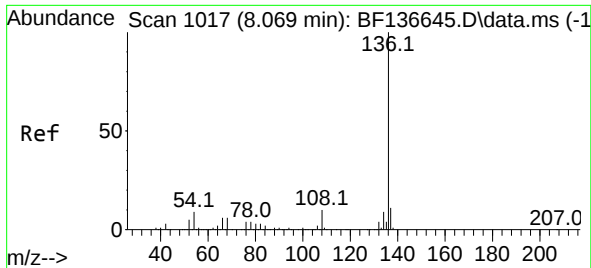
#19
n-Nitroso-di-n-propylamine
Concen: 12.930 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28



Tgt Ion: 70 Resp: 52430

Ion	Ratio	Lower	Upper
70	100		
42	47.5	54.2	81.4#
101	0.0	7.6	11.4#
130	2.1	17.1	25.7#



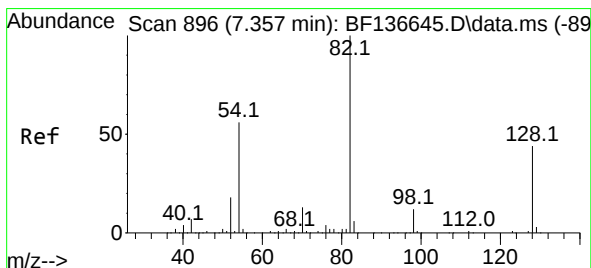
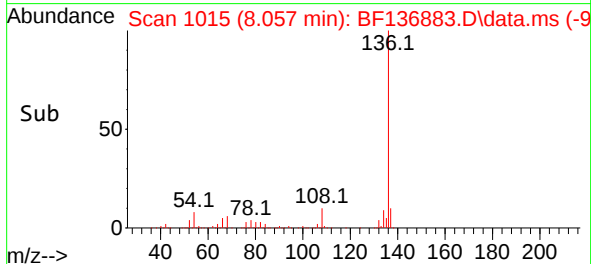
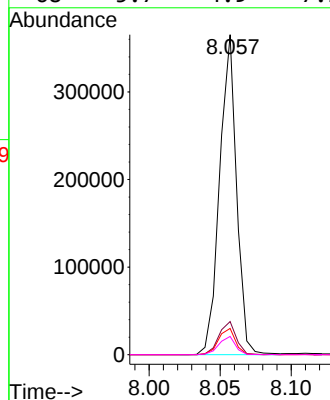
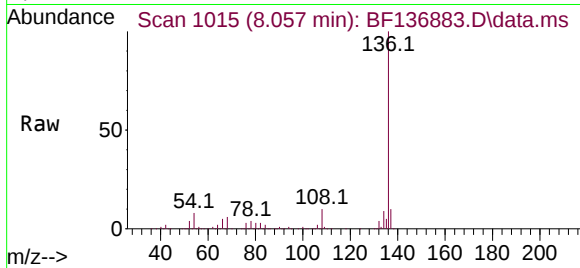


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

Tgt Ion:136 Resp: 302687

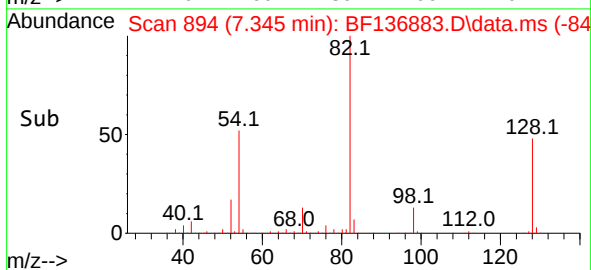
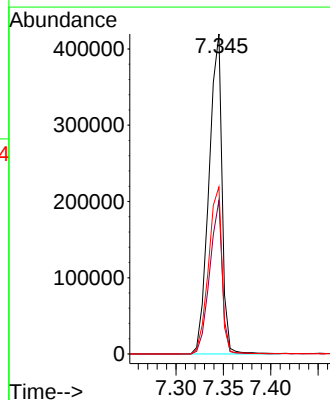
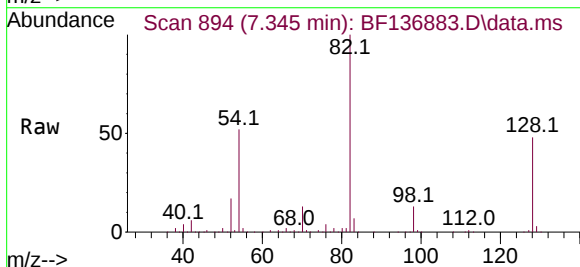
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	8.2	7.2	10.8
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 68.076 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion: 82 Resp: 402684

Ion	Ratio	Lower	Upper
82	100		
128	48.0	35.3	52.9
54	52.2	44.5	66.7

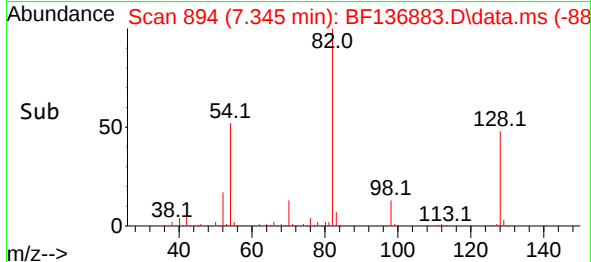
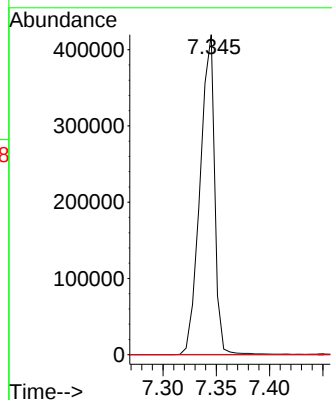
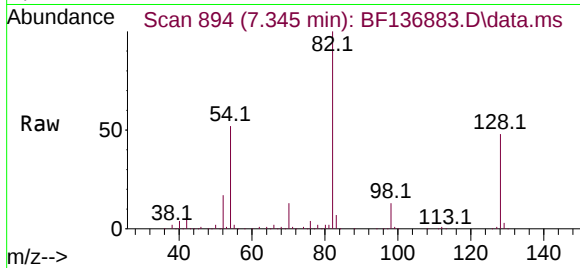




#25
Isophorone
Concen: 37.188 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

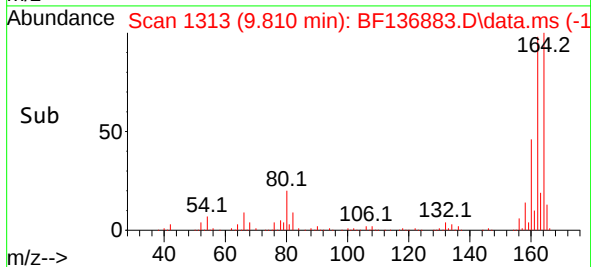
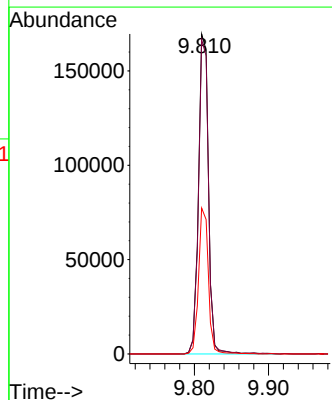
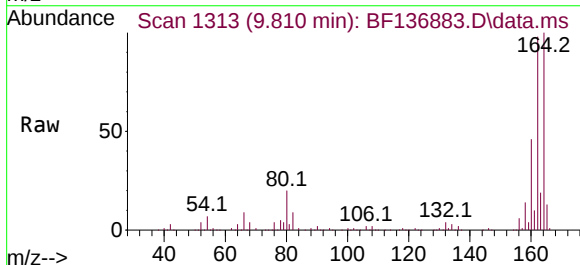
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

Tgt Ion: 82 Resp: 400264
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

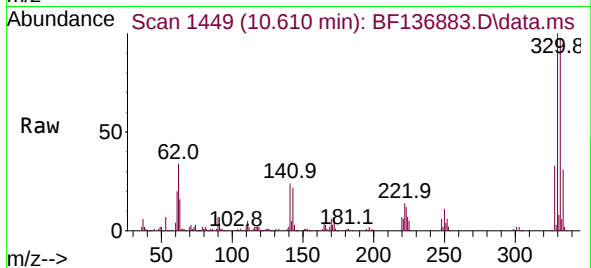
Tgt Ion:164 Resp: 157463
Ion Ratio Lower Upper
164 100
162 98.2 81.6 122.4
160 45.6 34.9 52.3



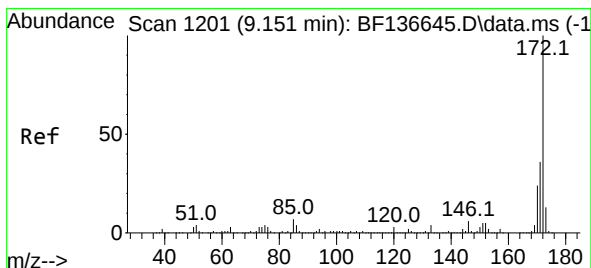
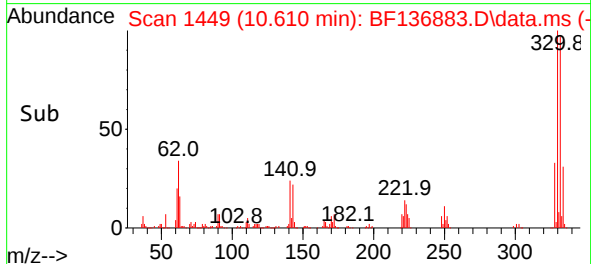
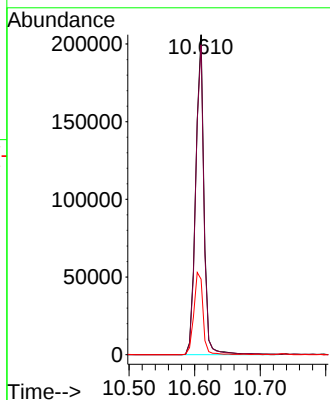


#42
2,4,6-Tribromophenol
Concen: 97.922 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

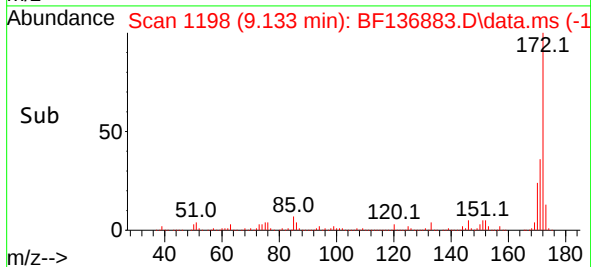
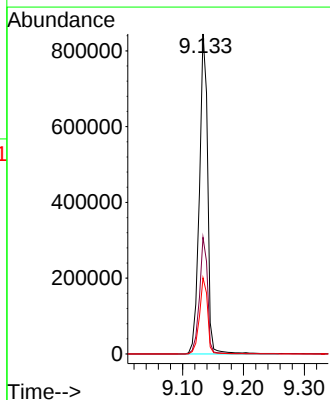
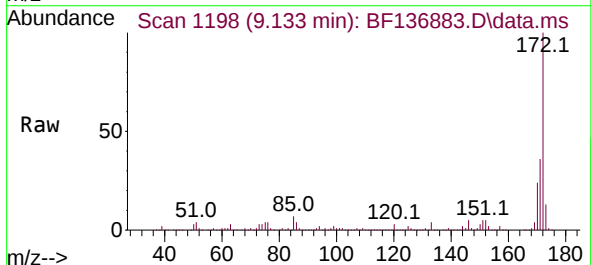


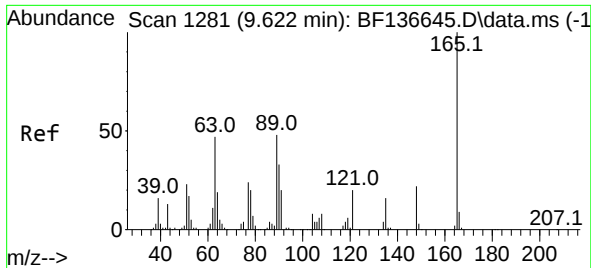
Tgt Ion:330 Resp: 181594
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 28.2 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 68.488 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion:172 Resp: 801816
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 23.8 19.0 28.4

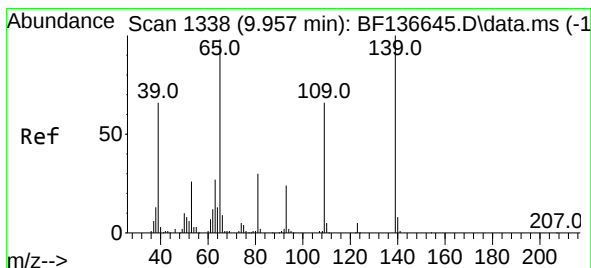
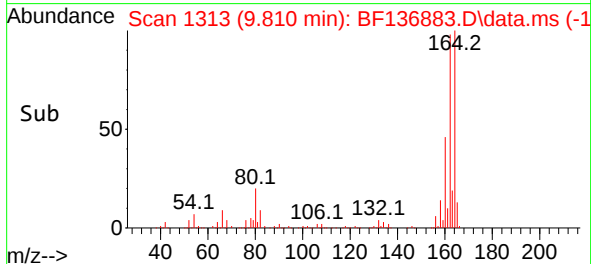
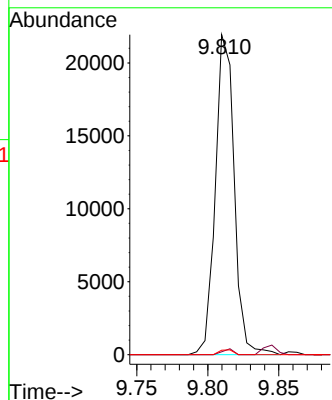
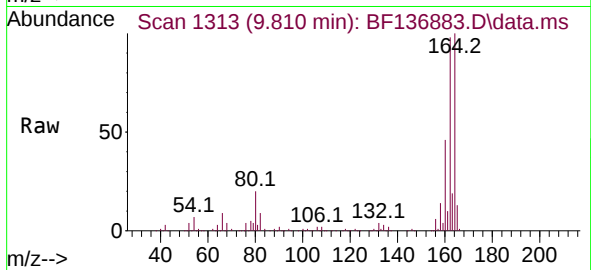




#51
2,6-Dinitrotoluene
Concen: 7.775 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.188 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

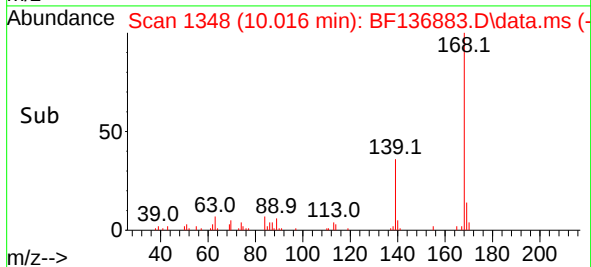
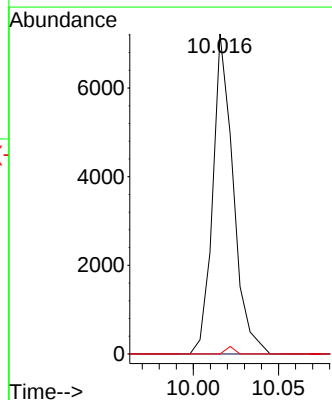
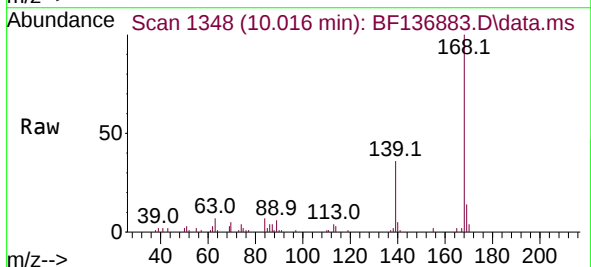
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

Tgt Ion:165 Resp: 20295
Ion Ratio Lower Upper
165 100
63 0.9 39.8 59.6#
89 1.4 38.8 58.2#



#56
4-Nitrophenol
Concen: 3.226 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.059 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion:139 Resp: 6021
Ion Ratio Lower Upper
139 100
109 0.0 45.8 85.8#
65 0.0 77.8 117.8#

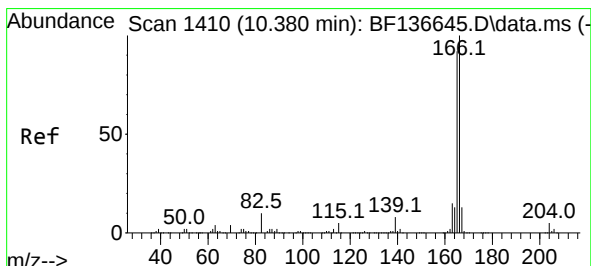
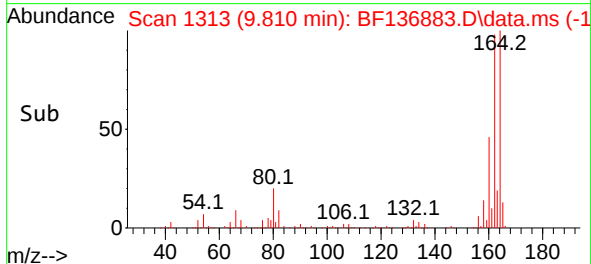
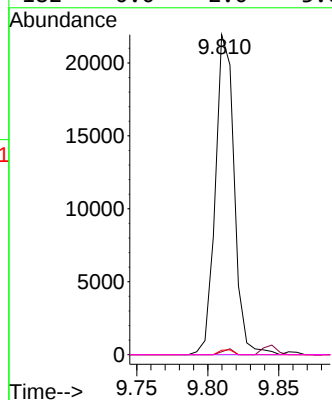
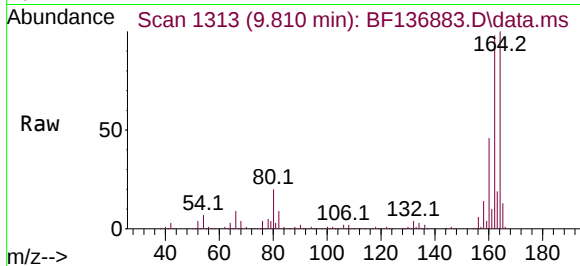




#57
2,4-Dinitrotoluene
Concen: 5.989 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

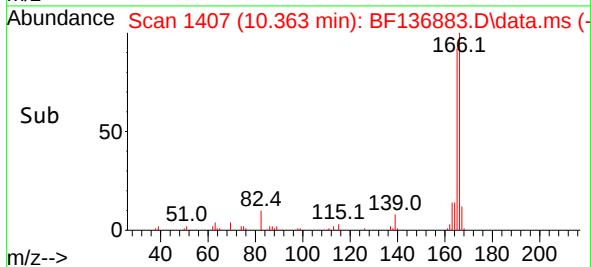
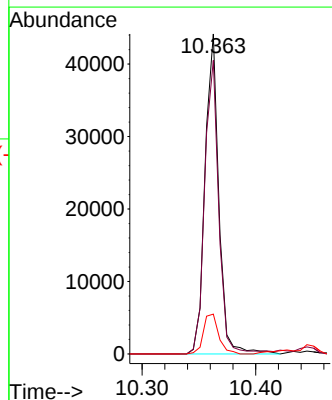
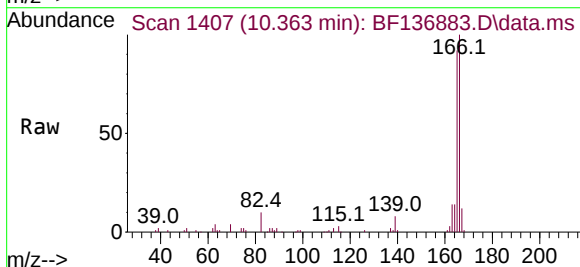
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

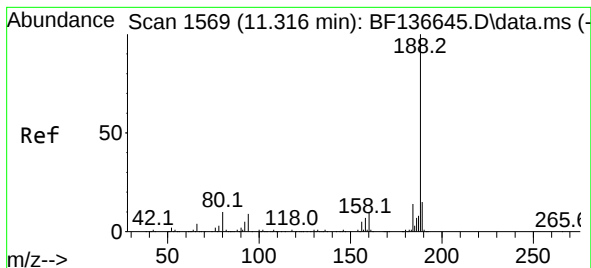
Tgt Ion:165 Resp: 20295
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.6#
89 1.4 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 3.255 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion:166 Resp: 37262
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 12.4 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

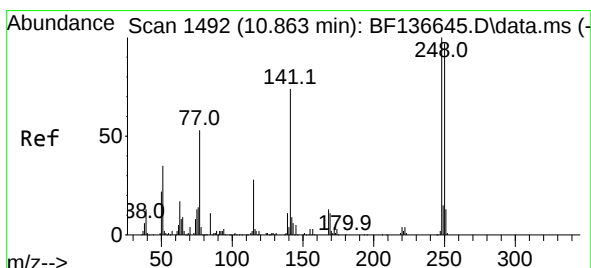
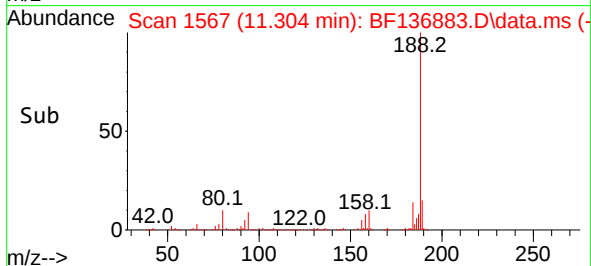
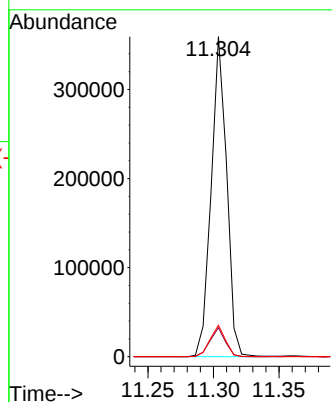
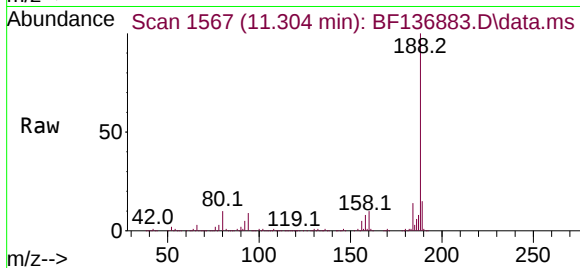
Tgt Ion:188 Resp: 295881

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

80 9.8 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.215 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

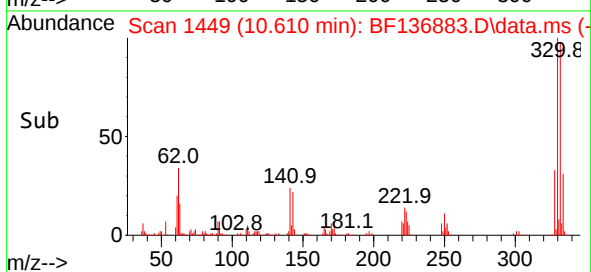
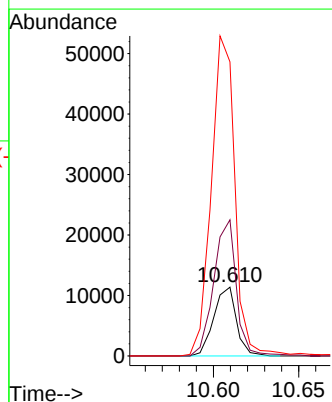
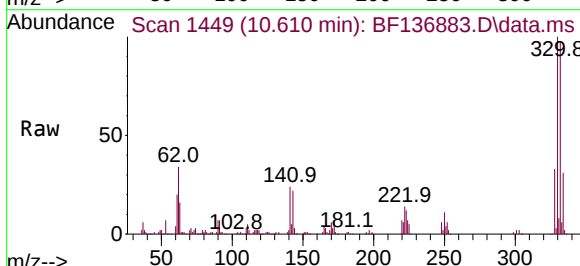
Tgt Ion:248 Resp: 10563

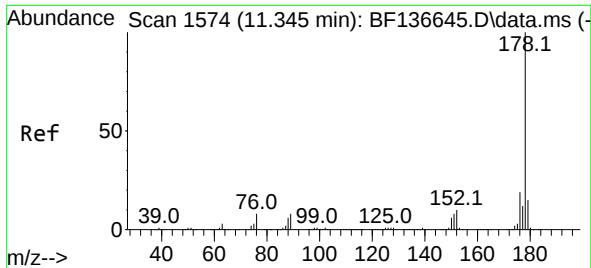
Ion Ratio Lower Upper

248 100

250 197.9 77.8 116.6#

141 427.3 59.2 88.8#

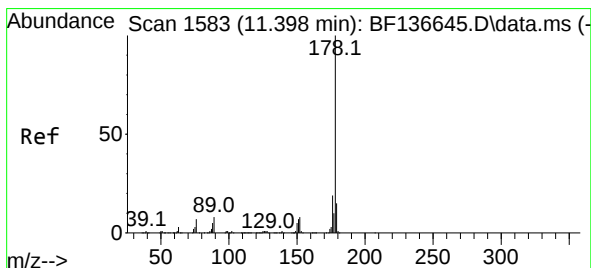
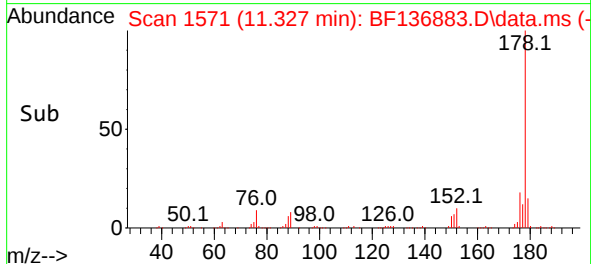
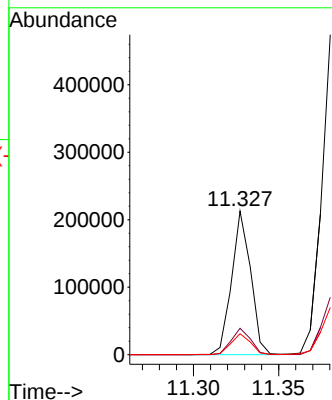
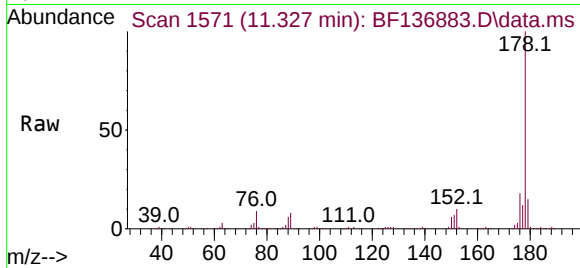




#71
Phenanthrene
Concen: 10.875 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

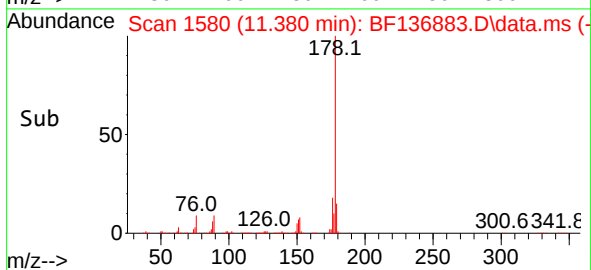
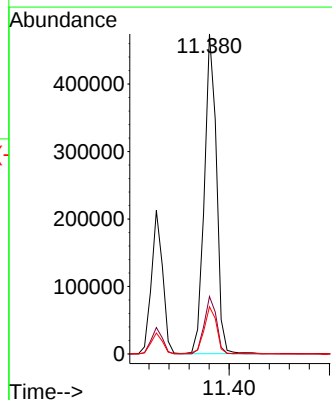
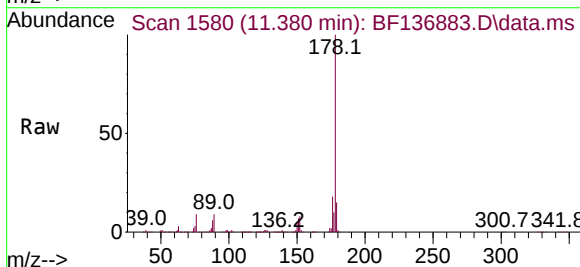
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

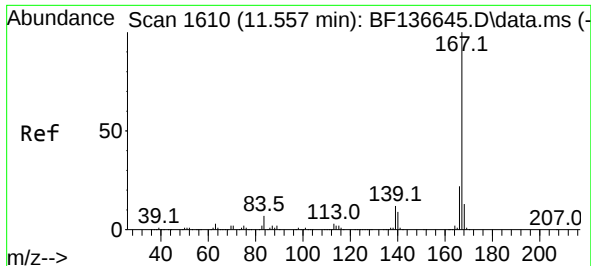
Tgt Ion:178 Resp: 165104
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.6 11.9 17.9



#72
Anthracene
Concen: 25.952 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion:178 Resp: 399020
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 14.7 11.8 17.6

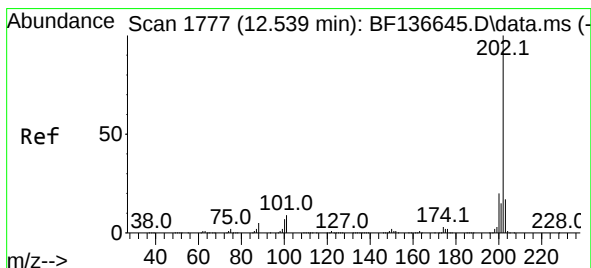
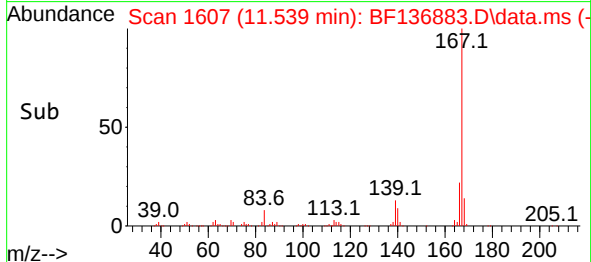
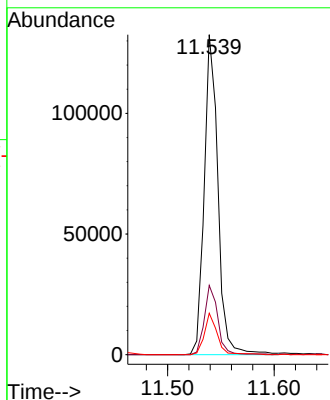
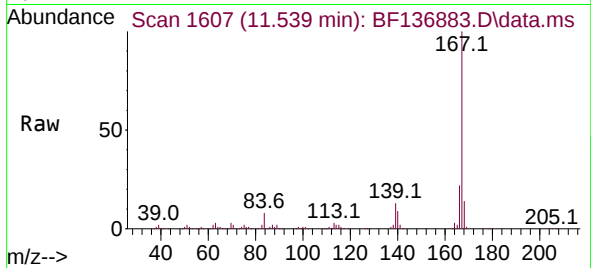




#73
 Carbazole
 Concen: 8.224 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.018 min
 Lab File: BF136883.D
 Acq: 02 Jan 2024 21:28

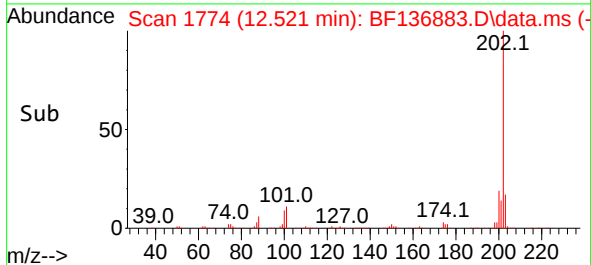
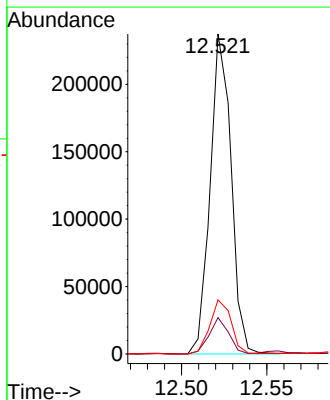
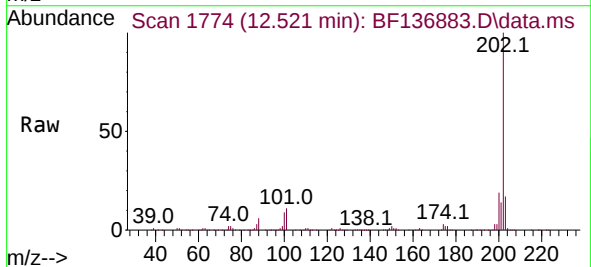
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-19-0-2

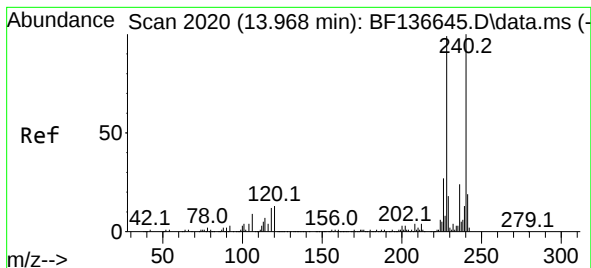
Tgt Ion:167 Resp: 119212
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.3 25.9
 139 12.9 9.8 14.6



#75
 Fluoranthene
 Concen: 12.493 ng
 RT: 12.521 min Scan# 1774
 Delta R.T. -0.018 min
 Lab File: BF136883.D
 Acq: 02 Jan 2024 21:28

Tgt Ion:202 Resp: 202886
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 29.3
 203 16.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

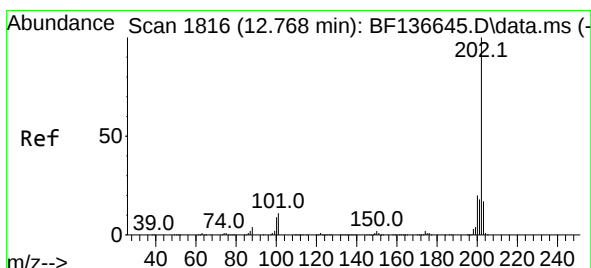
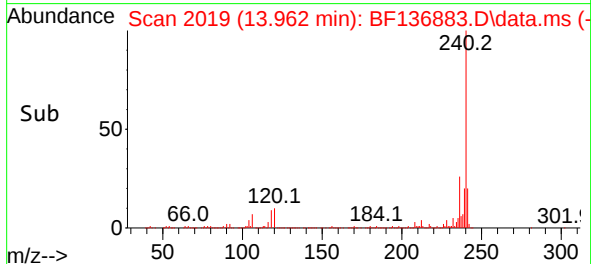
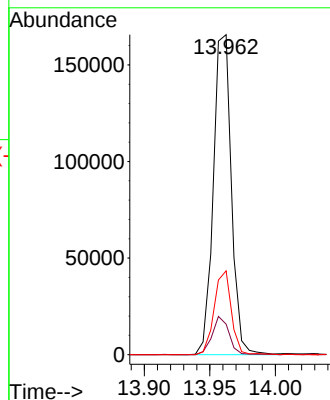
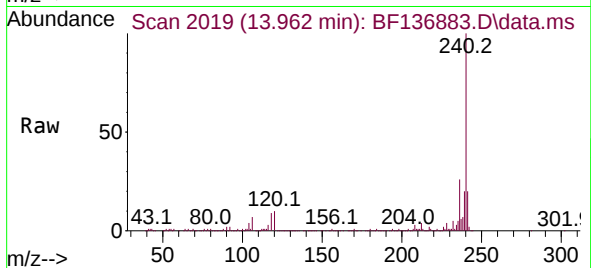
Tgt Ion:240 Resp: 158657

Ion Ratio Lower Upper

240 100

120 9.6 10.3 15.5#

236 26.2 19.4 29.2



#78

Pyrene

Concen: 10.098 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

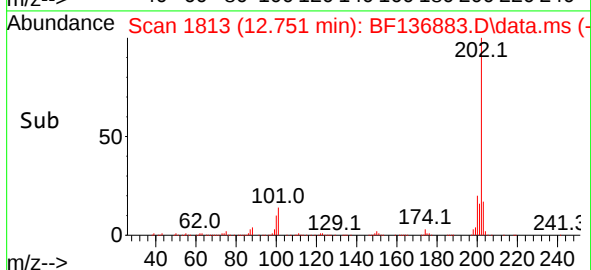
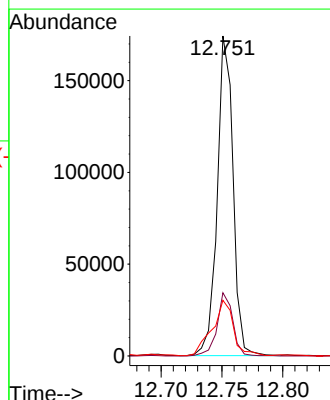
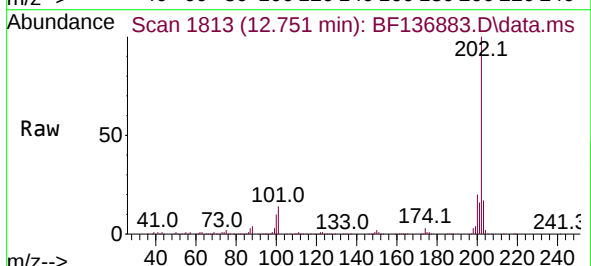
Tgt Ion:202 Resp: 157282

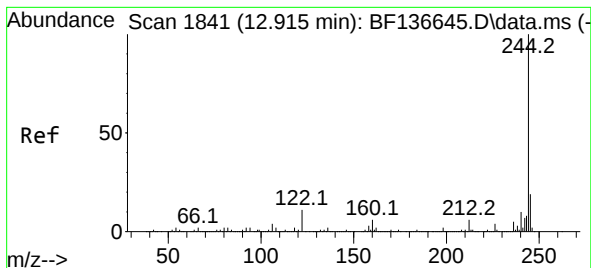
Ion Ratio Lower Upper

202 100

200 19.7 15.9 23.9

203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 68.893 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136883.D

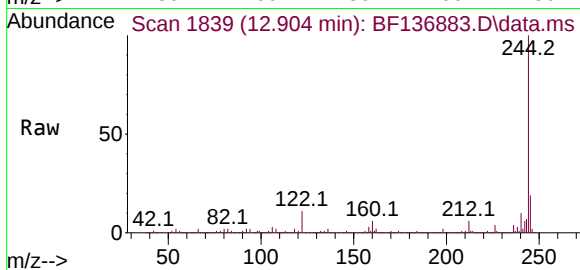
Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2



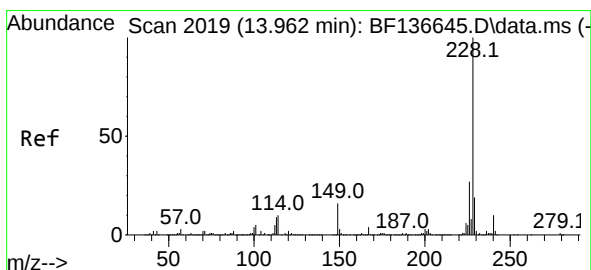
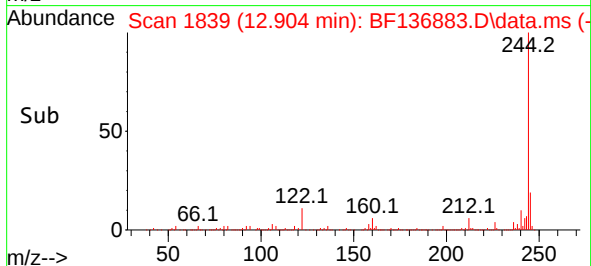
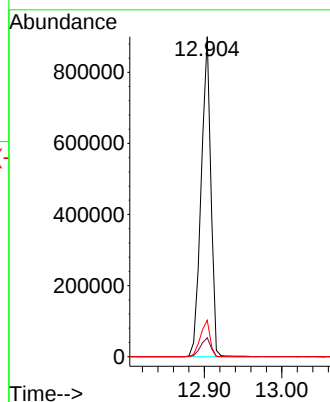
Tgt Ion:244 Resp: 782158

Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

122 11.4 9.0 13.4



#81

Benzo(a)anthracene

Concen: 4.435 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

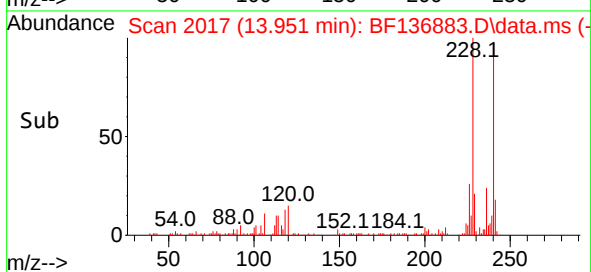
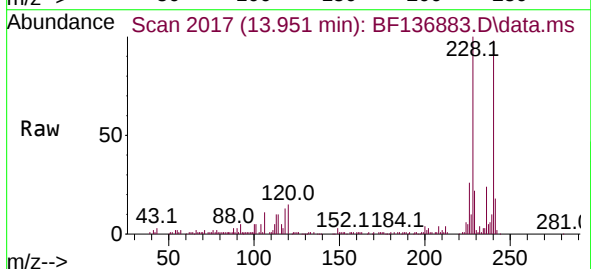
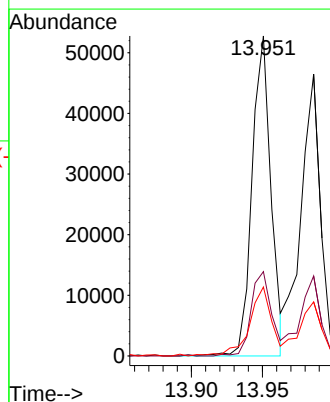
Tgt Ion:228 Resp: 48862

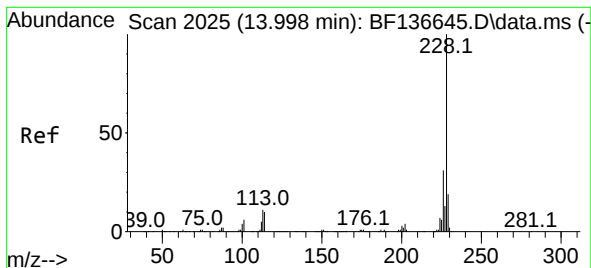
Ion Ratio Lower Upper

228 100

226 26.3 21.4 32.0

229 21.5 14.9 22.3





#83

Chrysene

Concen: 4.237 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

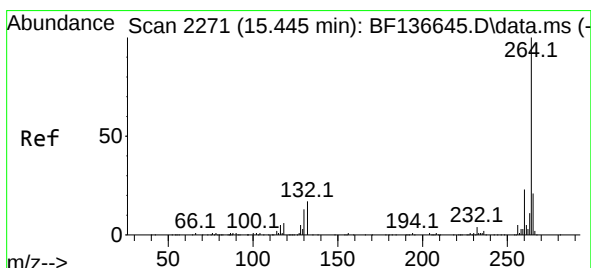
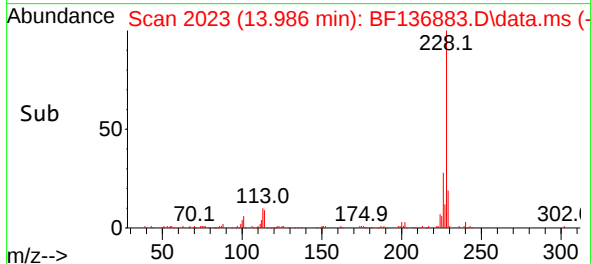
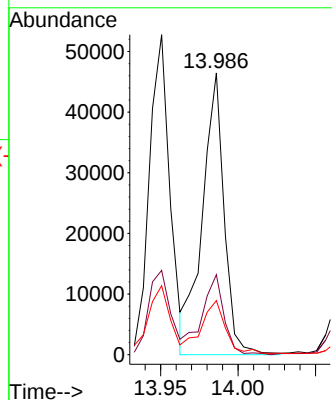
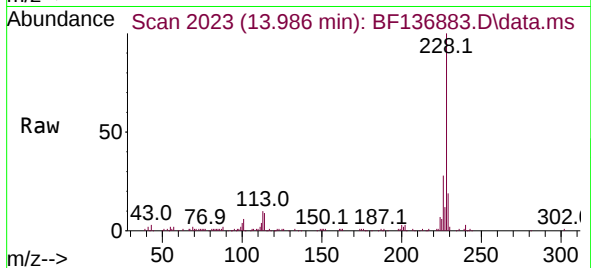
Tgt Ion:228 Resp: 45642

Ion Ratio Lower Upper

228 100

226 28.4 24.7 37.1

229 19.2 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

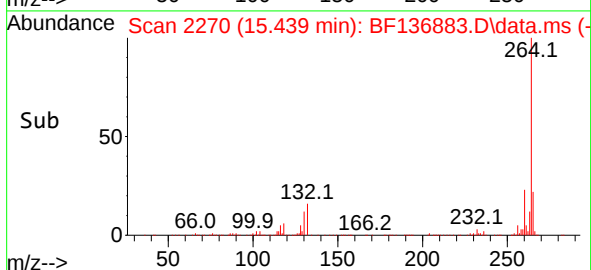
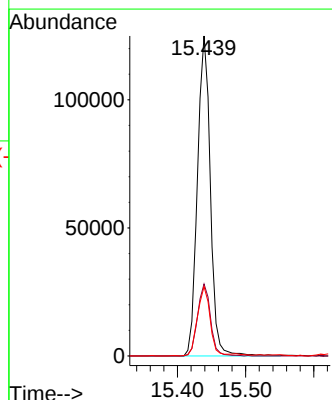
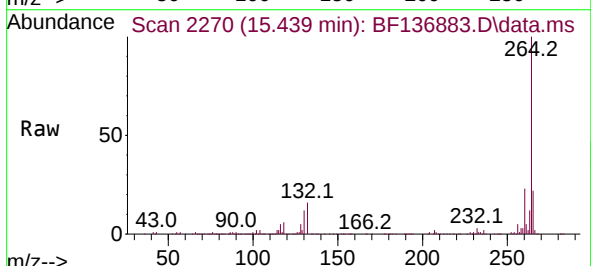
Tgt Ion:264 Resp: 163867

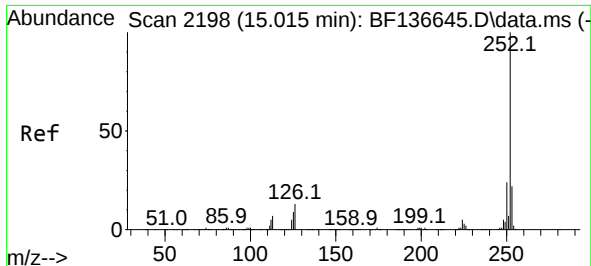
Ion Ratio Lower Upper

264 100

260 22.5 18.3 27.5

265 21.6 17.0 25.6

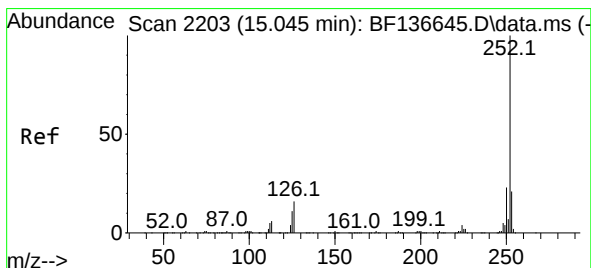
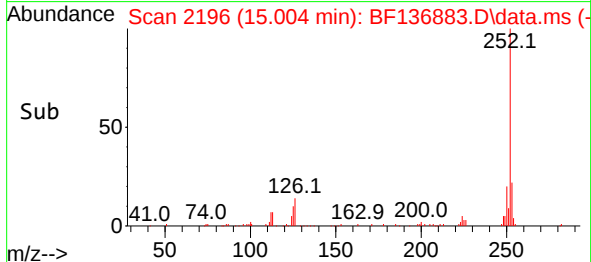
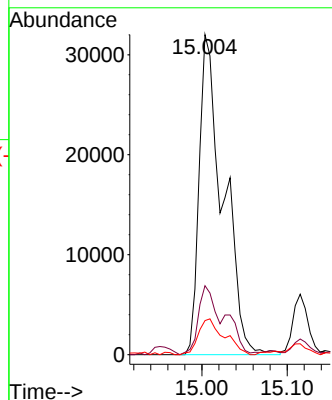
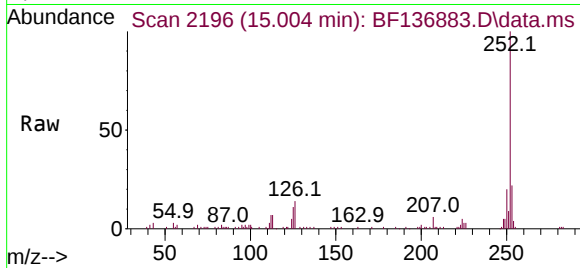




#88
Benzo(b)fluoranthene
Concen: 5.724 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

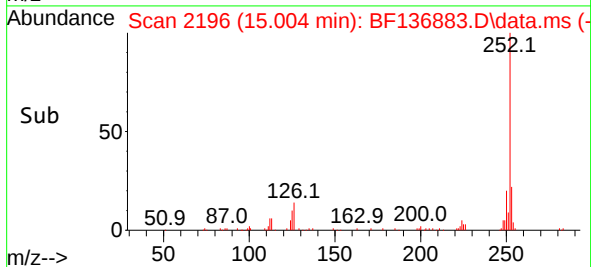
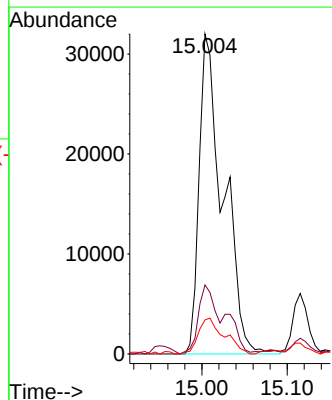
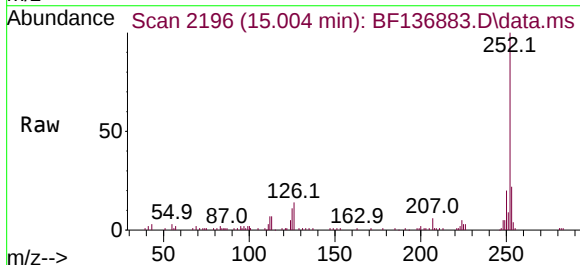
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

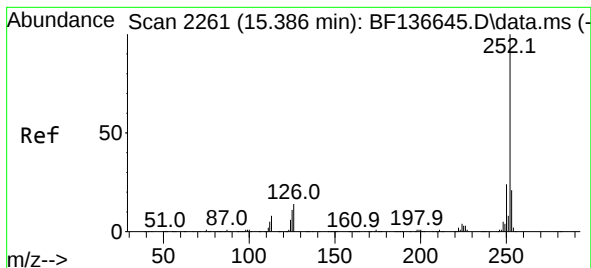
Tgt Ion:252 Resp: 62650
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 10.7 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 6.058 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion:252 Resp: 62650
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 10.7 8.2 12.4





#90

Benzo(a)pyrene

Concen: 3.861 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

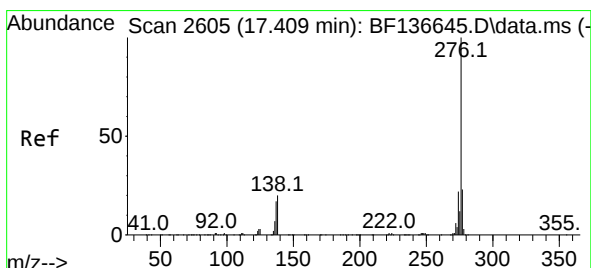
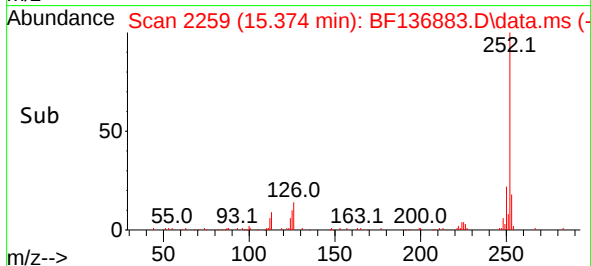
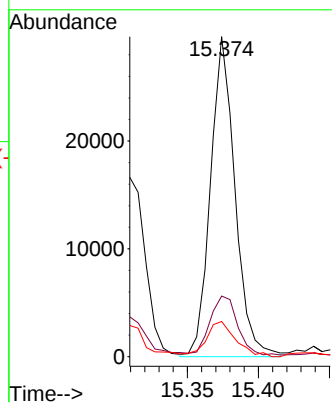
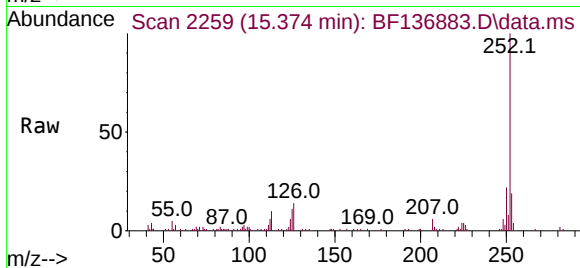
Tgt Ion:252 Resp: 35667

Ion Ratio Lower Upper

252 100

253 19.0 17.0 25.6

125 11.0 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.272 ng

RT: 17.392 min Scan# 2602

Delta R.T. -0.018 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Tgt Ion:276 Resp: 22584

Ion Ratio Lower Upper

276 100

277 24.2 18.3 27.5

138 22.3 15.6 23.4

