

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136928.D
 Acq On : 04 Jan 2024 02:06
 Operator : CG\JU
 Sample : 06041-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-12282023

Quant Time: Jan 04 03:46:12 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)

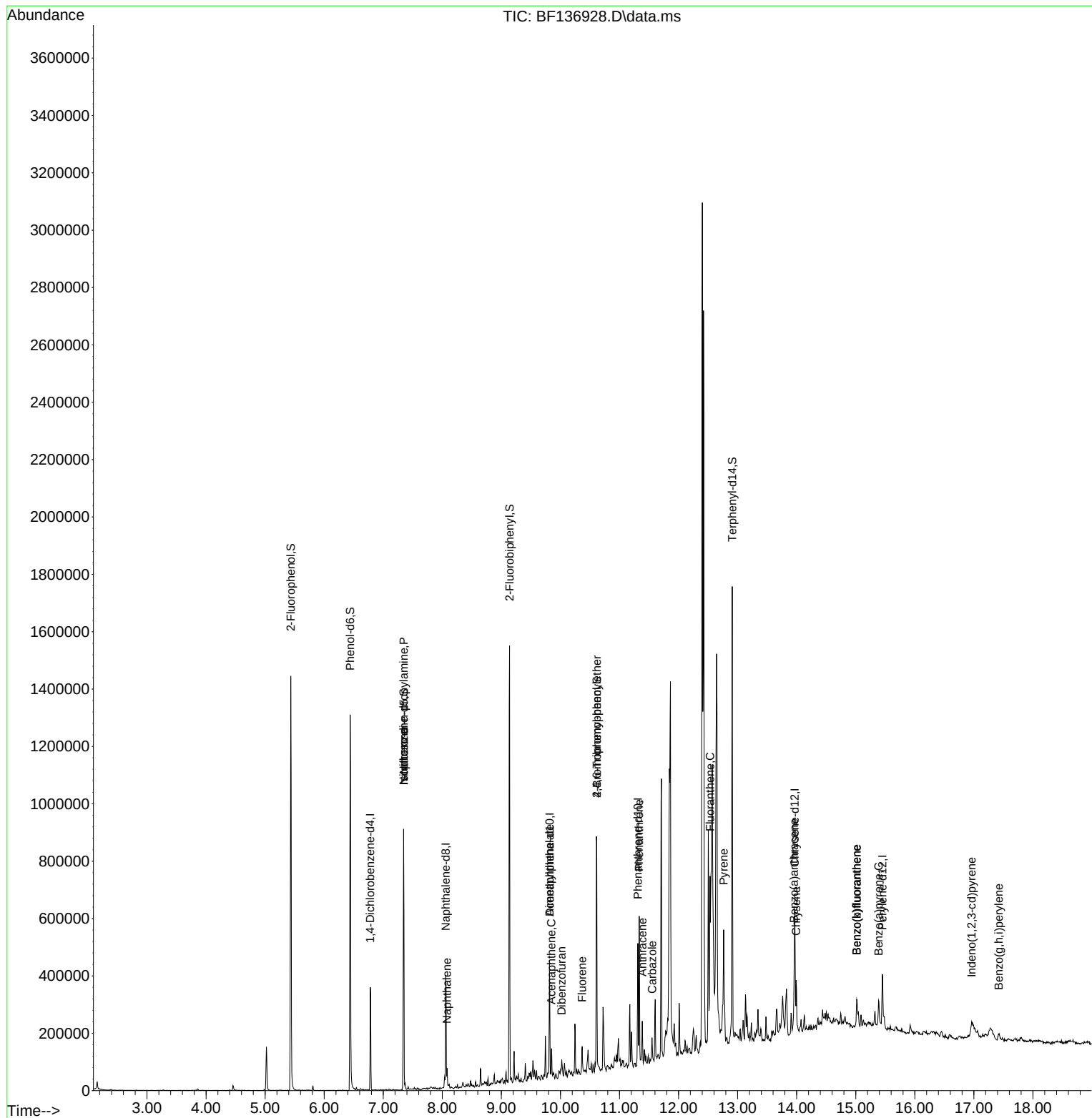
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	53240	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	171642	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	73991	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	144643	20.000	ng	0.00
76) Chrysene-d12	13.968	240	115455	20.000	ng	0.00
86) Perylene-d12	15.451	264	87886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	399849	117.182	ng	0.00
7) Phenol-d6	6.440	99	455684	103.064	ng	0.00
23) Nitrobenzene-d5	7.345	82	268456	80.034	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	108927	125.001	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	464071	84.357	ng	-0.01
79) Terphenyl-d14	12.910	244	526662	63.747	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	35547	13.263	ng	# 76
25) Isophorone	7.345	82	268453	43.984	ng	# 65
31) Naphthalene	8.081	128	23559	2.498	ng	99
50) Dimethylphthalate	9.816	163	14820	2.742	ng	# 1
52) Acenaphthene	9.845	154	19607	4.384	ng	98
55) Dibenzofuran	10.022	168	16662	2.458	ng	97
58) Fluorene	10.369	166	25274	4.699	ng	99
67) 4-Bromophenyl-phenylether	10.616	248	6910	4.302	ng	# 1
71) Phenanthrene	11.333	178	171196	23.067	ng	99
72) Anthracene	11.386	178	51950	6.912	ng	98
73) Carbazole	11.551	167	23428	3.306	ng	98
75) Fluoranthene	12.533	202	189710	23.897	ng	98
78) Pyrene	12.763	202	159773	14.097	ng	99
81) Benzo(a)anthracene	13.957	228	69500	8.669	ng	98
83) Chrysene	13.992	228	63521	8.102	ng	98
87) Indeno(1,2,3-cd)pyrene	16.962	276	21241	3.347	ng	98
88) Benzo(b)fluoranthene	15.015	252	76520	13.036	ng	# 91
89) Benzo(k)fluoranthene	15.015	252	76520	13.796	ng	# 91
90) Benzo(a)pyrene	15.386	252	40407	8.155	ng	# 90
92) Benzo(g,h,i)perylene	17.421	276	21697	4.069	ng	96

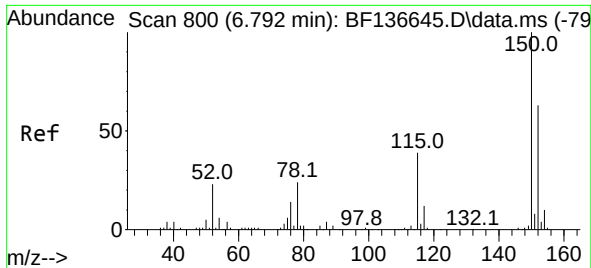
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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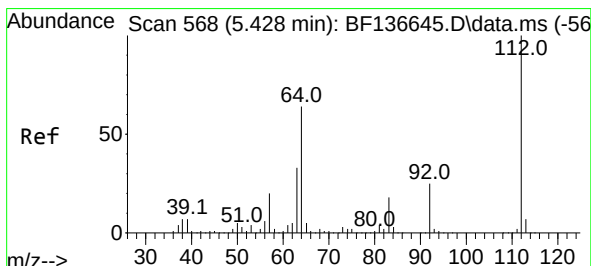
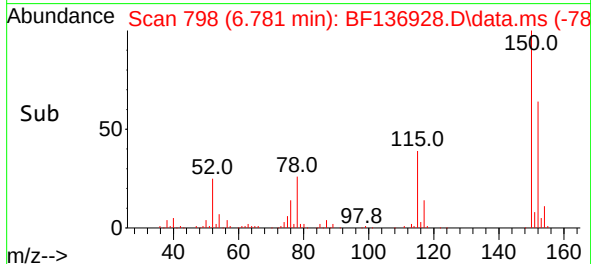
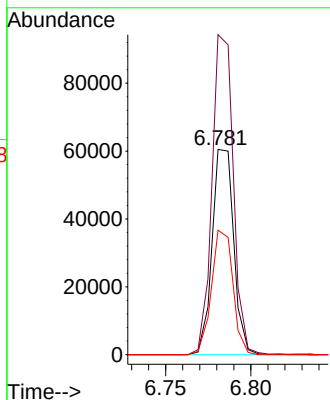
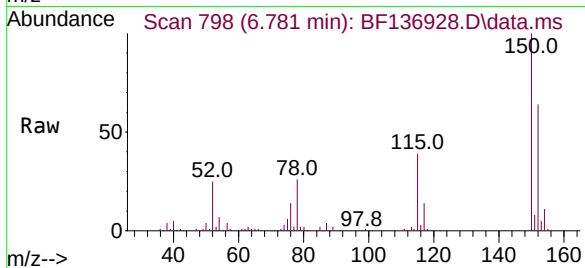




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

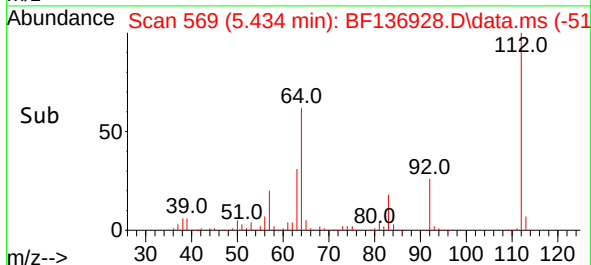
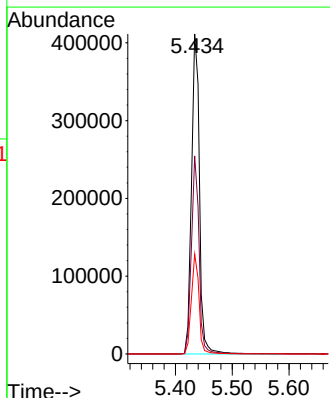
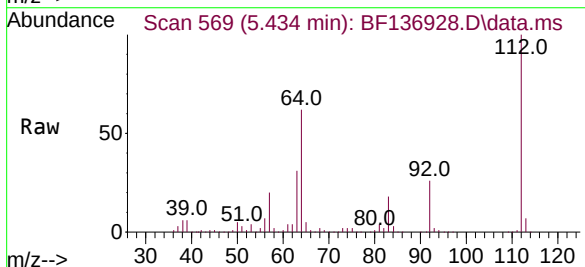
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023

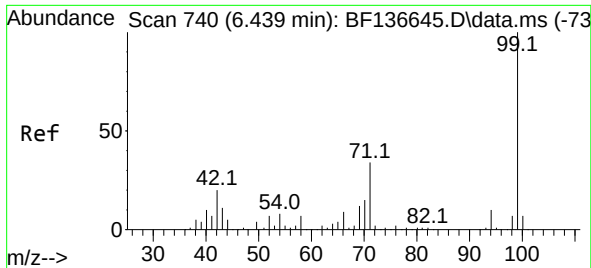
Tgt Ion:152 Resp: 53240
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 60.6 49.0 73.4



#5
2-Fluorophenol
Concen: 117.182 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion:112 Resp: 399849
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 31.2 26.1 39.1

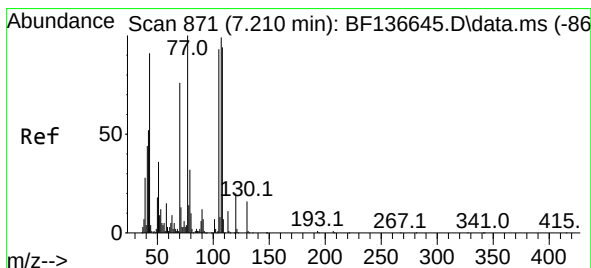
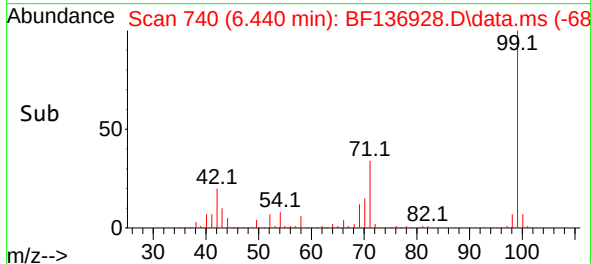
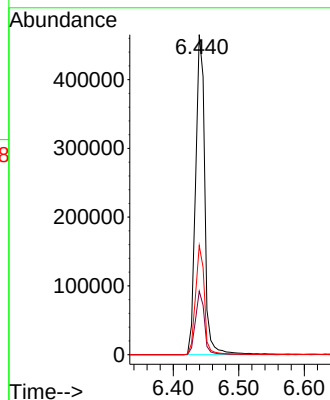
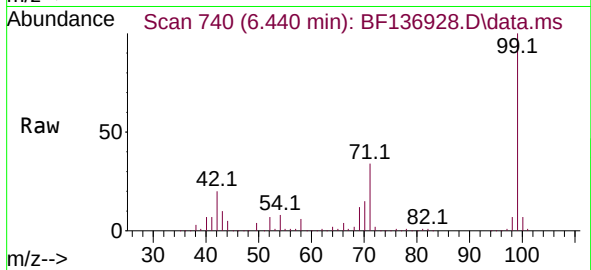




#7
Phenol-d6
Concen: 103.064 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

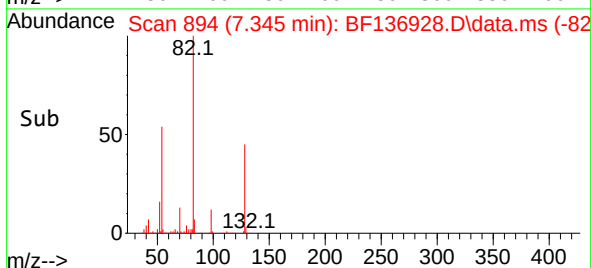
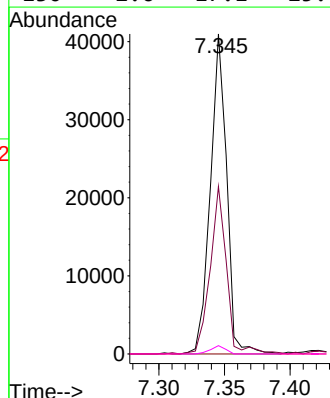
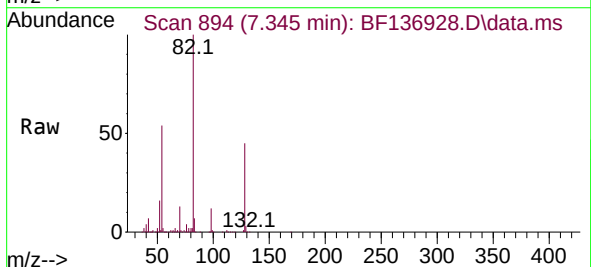
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023

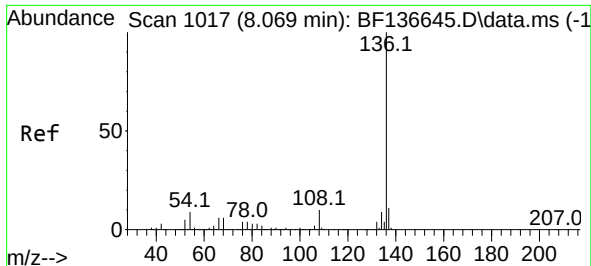
Tgt Ion: 99 Resp: 455684
Ion Ratio Lower Upper
99 100
42 19.9 16.1 24.1
71 34.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.263 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion: 70 Resp: 35547
Ion Ratio Lower Upper
70 100
42 52.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.6 17.1 25.7#



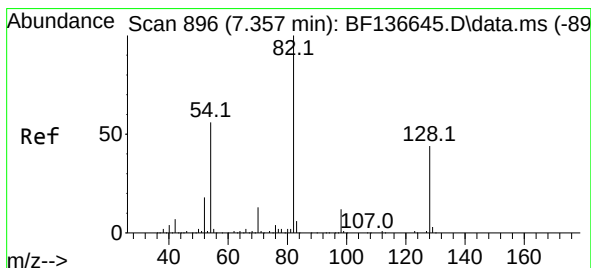
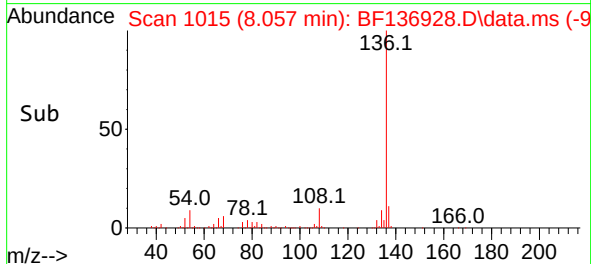
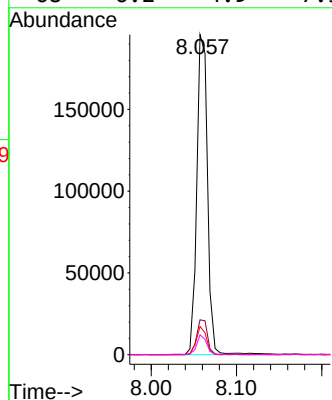
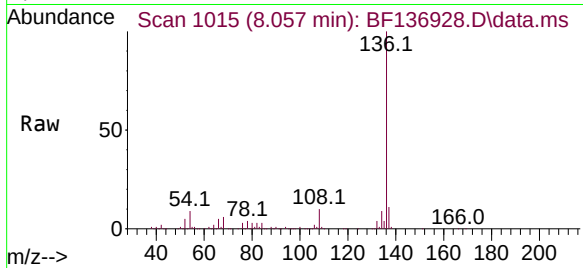


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Instrument :
BNA_F
ClientSampleId :
BU-02-12282023

Tgt Ion:136 Resp: 171642

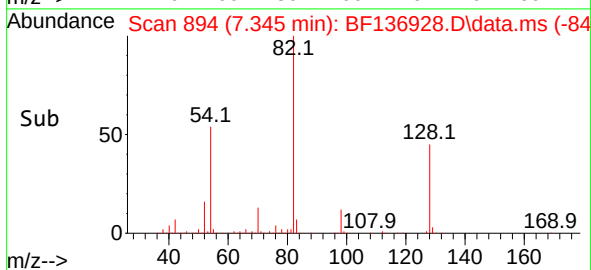
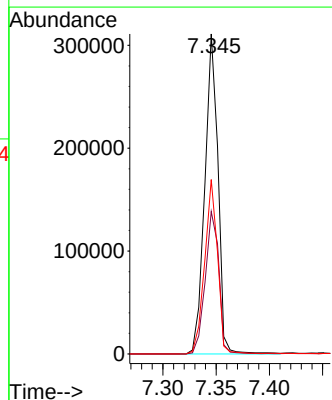
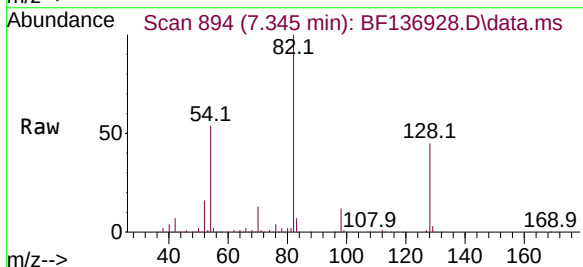
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.8	7.2	10.8
68	6.2	4.9	7.3

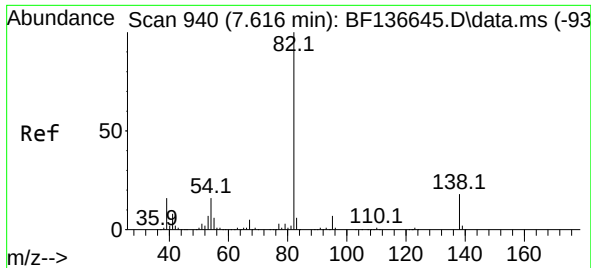


#23
Nitrobenzene-d5
Concen: 80.034 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion: 82 Resp: 268456

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.3	52.9
54	54.5	44.5	66.7

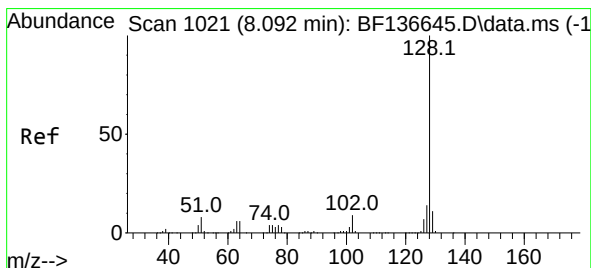
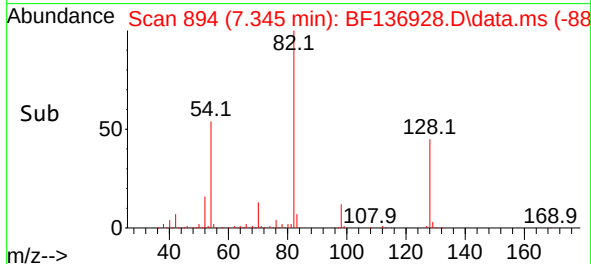
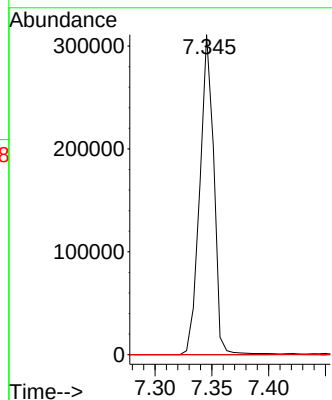
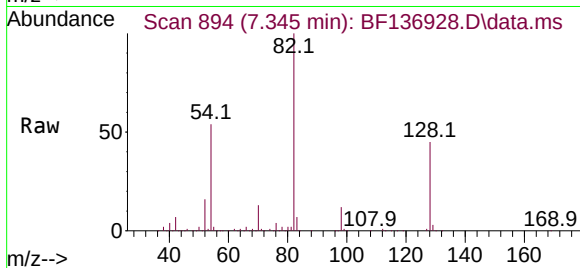




#25
Isophorone
Concen: 43.984 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

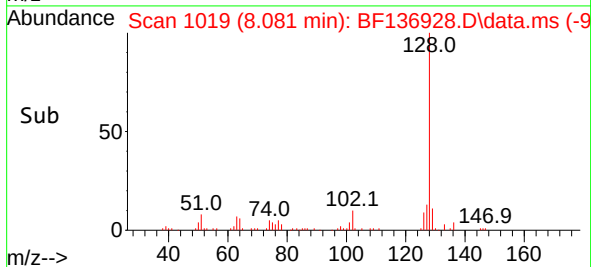
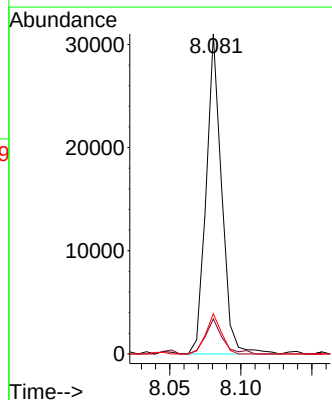
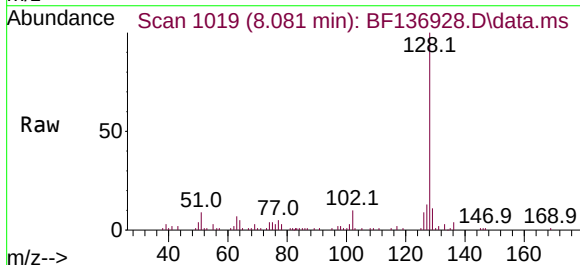
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023

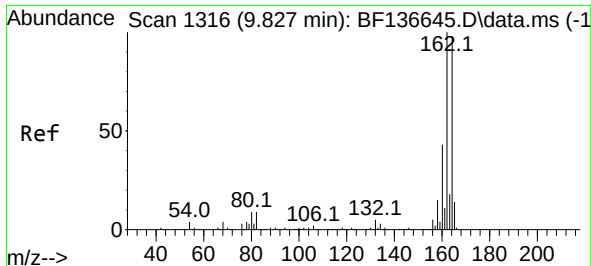
Tgt Ion: 82 Resp: 268453
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 2.498 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion: 128 Resp: 23559
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.6 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

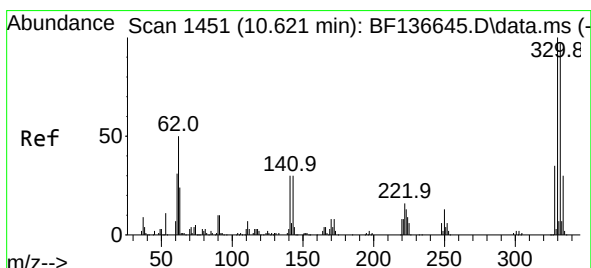
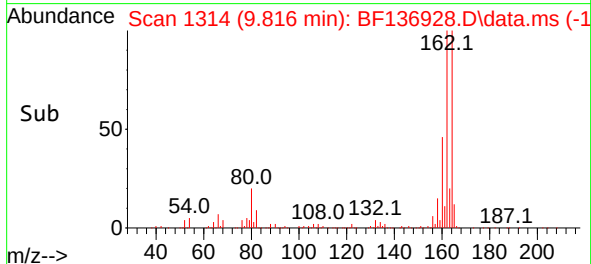
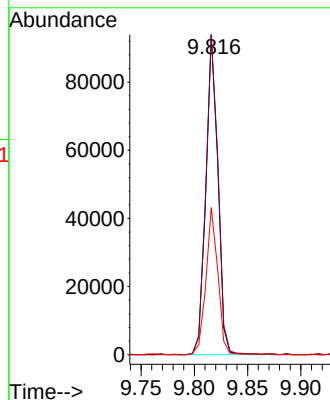
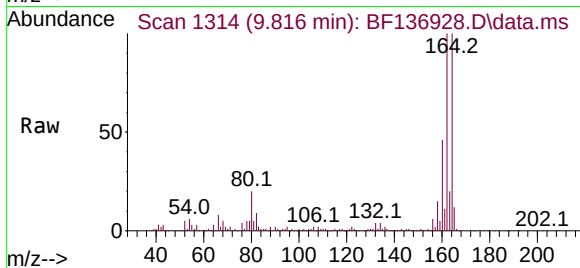
Tgt Ion:164 Resp: 73991

Ion Ratio Lower Upper

164 100

162 99.9 81.6 122.4

160 46.0 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 125.001 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

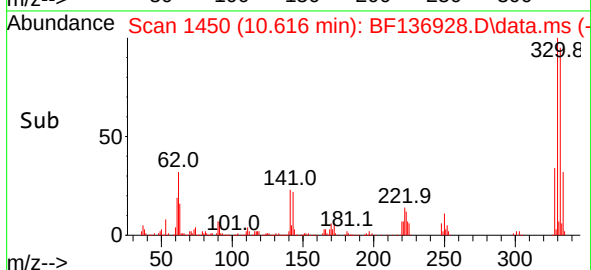
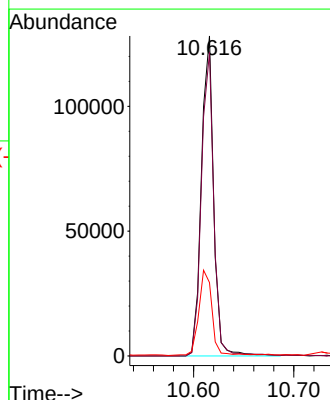
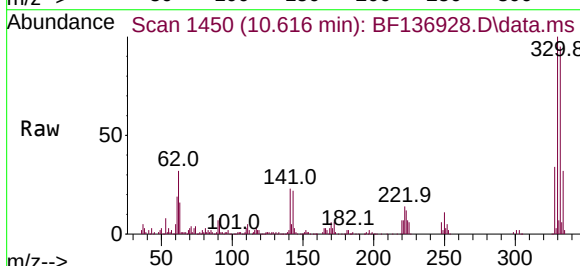
Tgt Ion:330 Resp: 108927

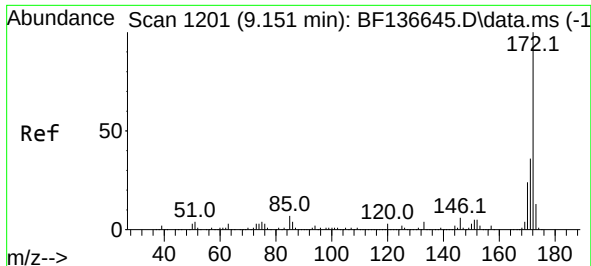
Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

141 28.5 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 84.357 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

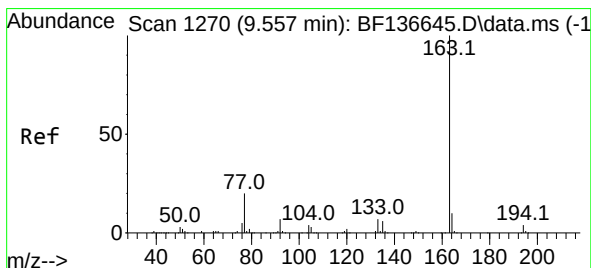
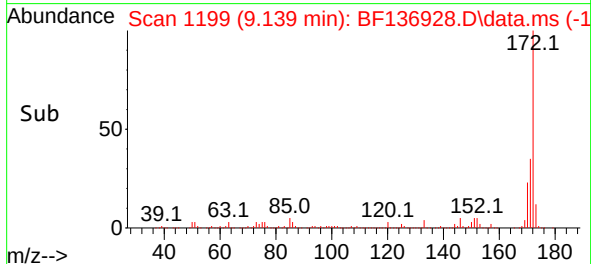
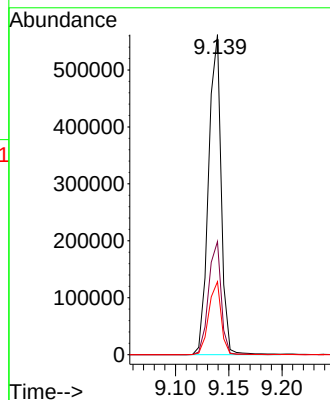
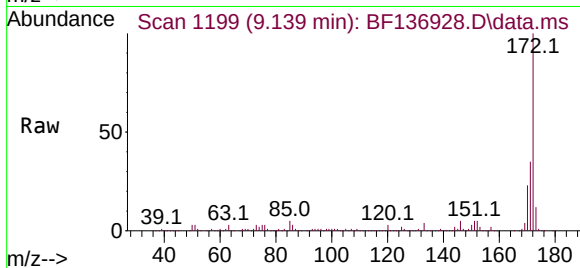
Tgt Ion:172 Resp: 464071

Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

170 22.8 19.0 28.4



#50

Dimethylphthalate

Concen: 2.742 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

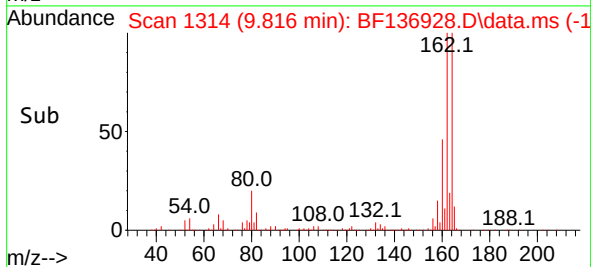
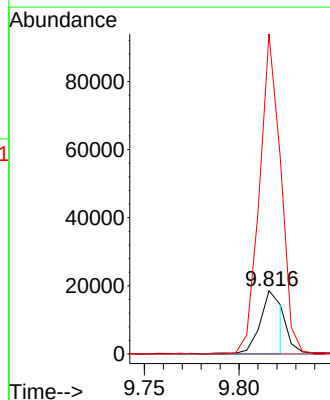
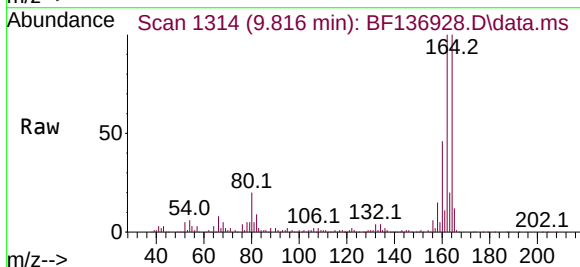
Tgt Ion:163 Resp: 14820

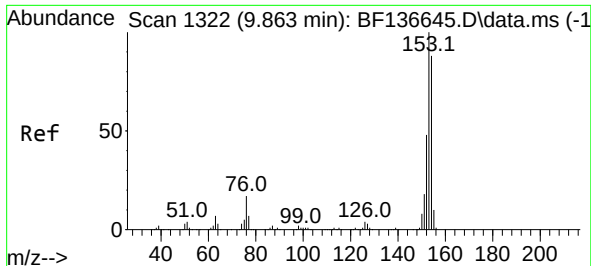
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 506.5 7.8 11.6#

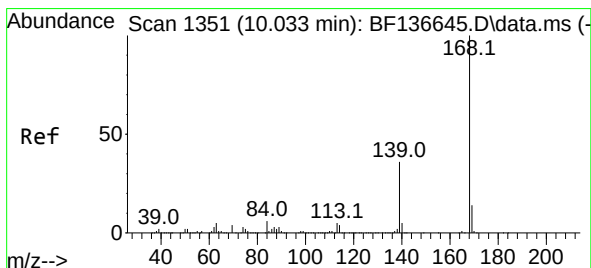
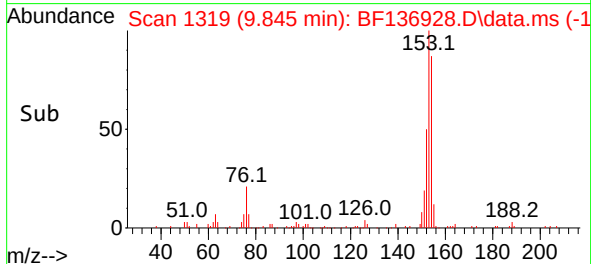
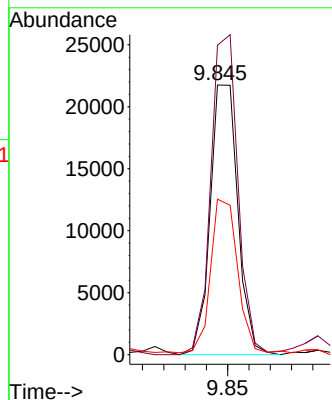
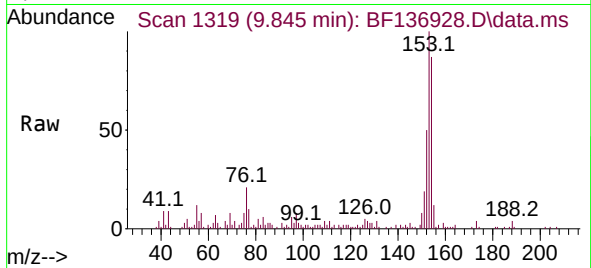




#52
Acenaphthene
Concen: 4.384 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

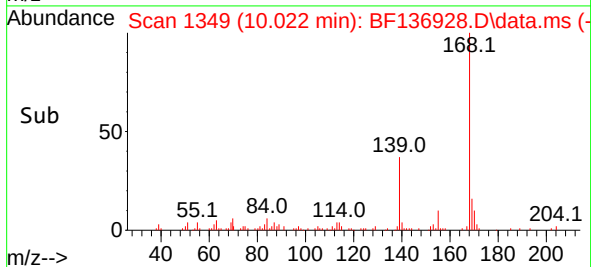
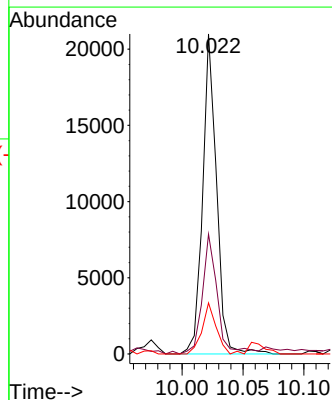
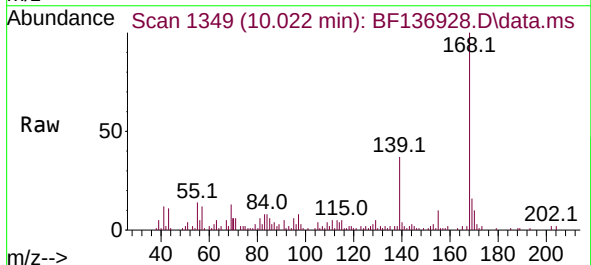
Instrument :
BNA_F
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BU-02-12282023

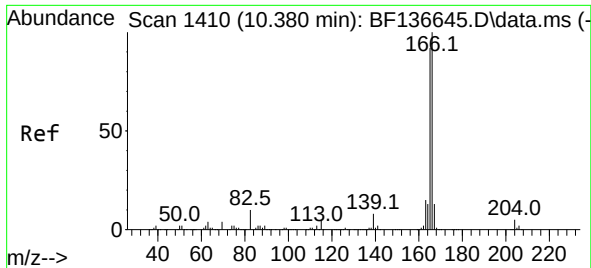
Tgt Ion:154 Resp: 19607
Ion Ratio Lower Upper
154 100
153 114.7 90.7 136.1
152 57.7 43.7 65.5



#55
Dibenzofuran
Concen: 2.458 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion:168 Resp: 16662
Ion Ratio Lower Upper
168 100
139 37.4 29.3 43.9
169 16.0 11.0 16.4

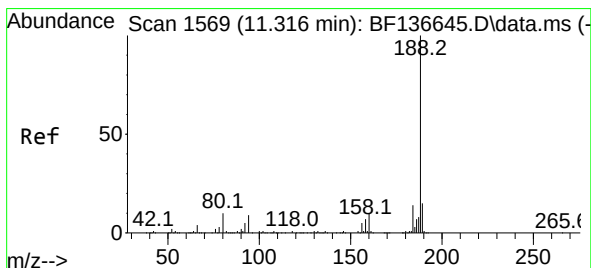
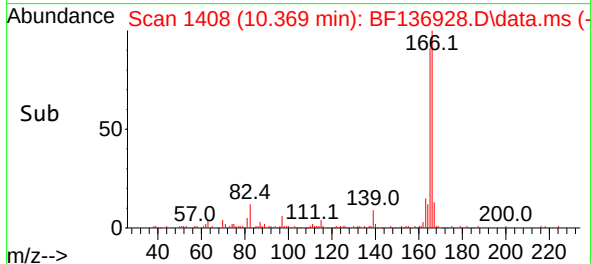
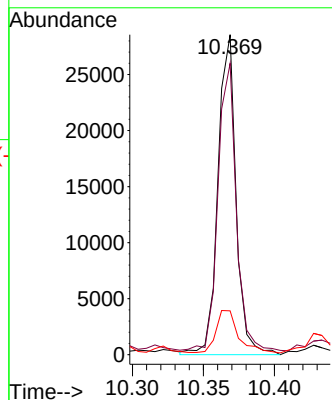
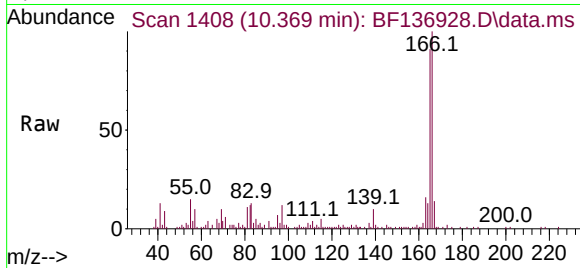




#58
 Fluorene
 Concen: 4.699 ng
 RT: 10.369 min Scan# 1410
 Delta R.T. -0.012 min
 Lab File: BF136928.D
 Acq: 04 Jan 2024 02:06

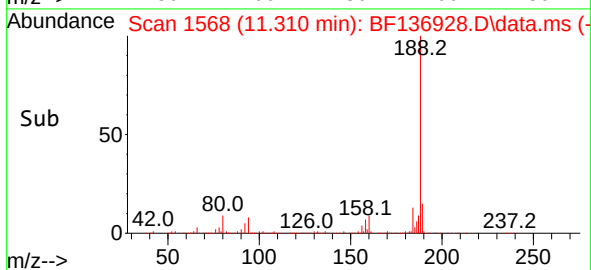
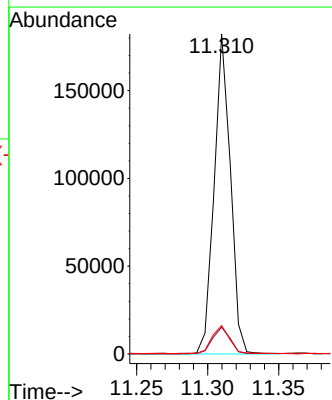
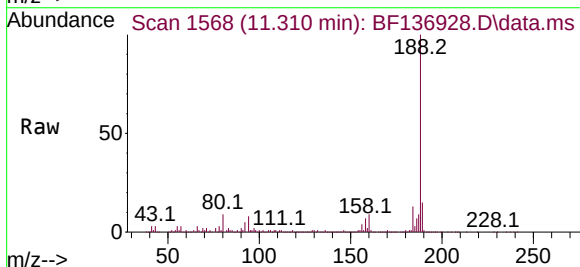
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-12282023

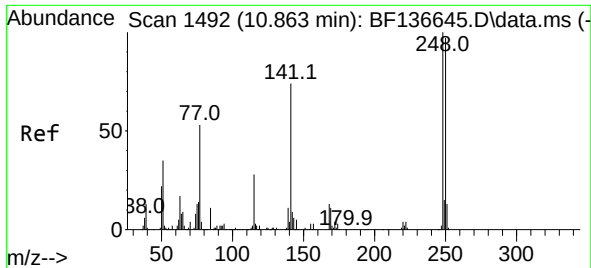
Tgt Ion:166 Resp: 25274
 Ion Ratio Lower Upper
 166 100
 165 91.0 73.7 110.5
 167 13.7 10.4 15.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.310 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF136928.D
 Acq: 04 Jan 2024 02:06

Tgt Ion:188 Resp: 144643
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.5 11.3
 80 8.9 8.1 12.1

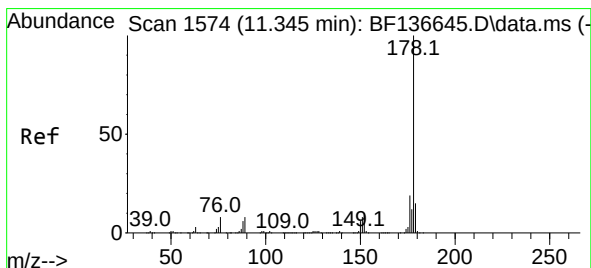
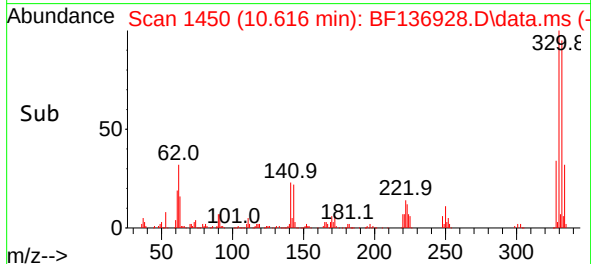
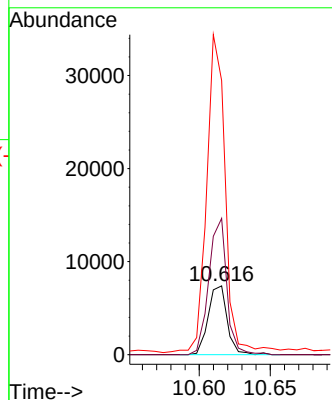
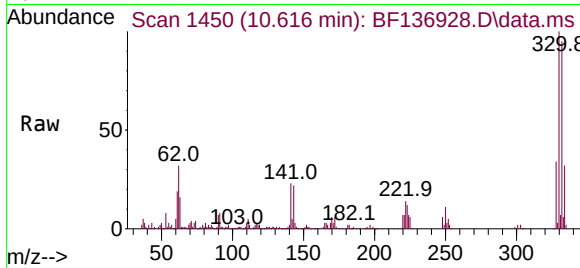




#67
4-Bromophenyl-phenylether
Concen: 4.302 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

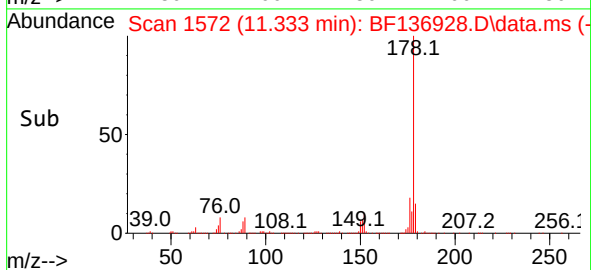
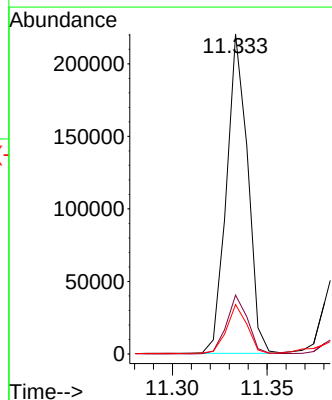
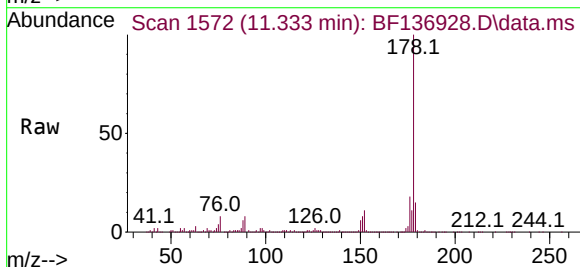
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023

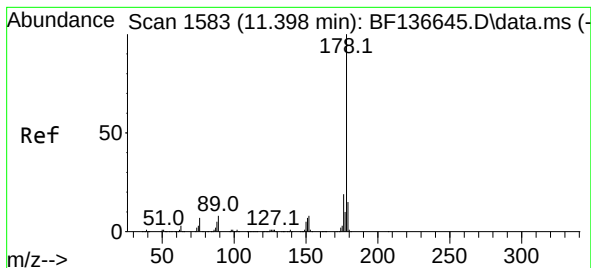
Tgt Ion:248 Resp: 6910
Ion Ratio Lower Upper
248 100
250 198.2 77.8 116.6#
141 398.8 59.2 88.8#



#71
Phenanthrene
Concen: 23.067 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion:178 Resp: 171196
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.5 11.9 17.9





#72

Anthracene

Concen: 6.912 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

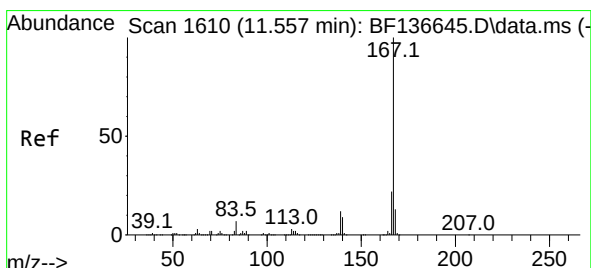
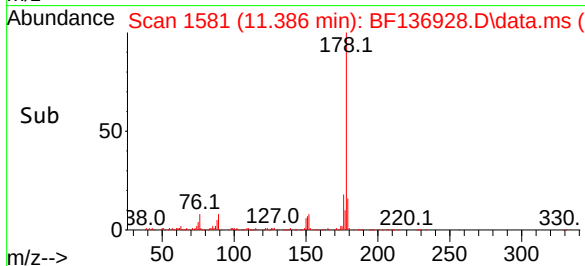
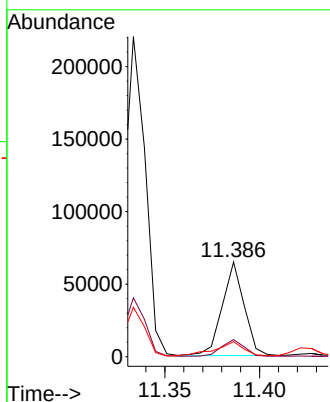
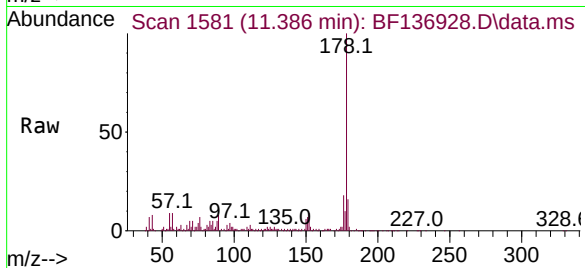
Tgt Ion:178 Resp: 51950

Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

179 15.8 11.8 17.6



#73

Carbazole

Concen: 3.306 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

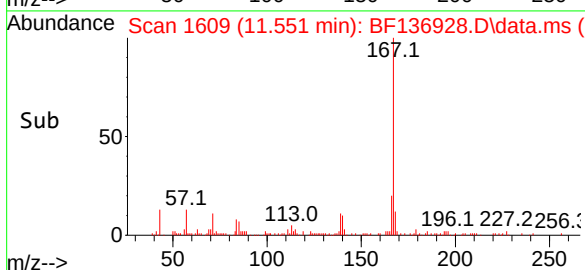
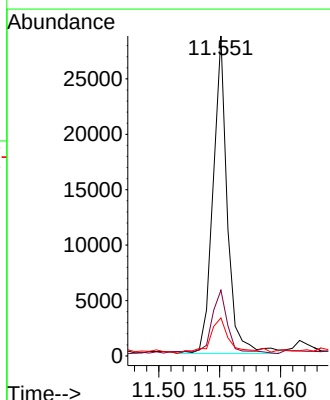
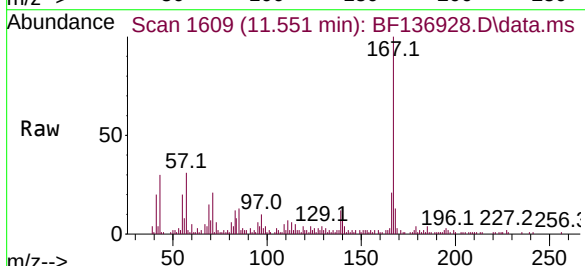
Tgt Ion:167 Resp: 23428

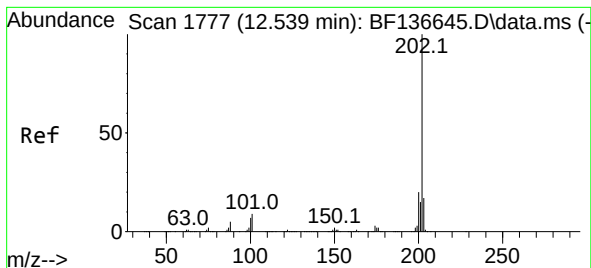
Ion Ratio Lower Upper

167 100

166 20.5 17.3 25.9

139 11.9 9.8 14.6

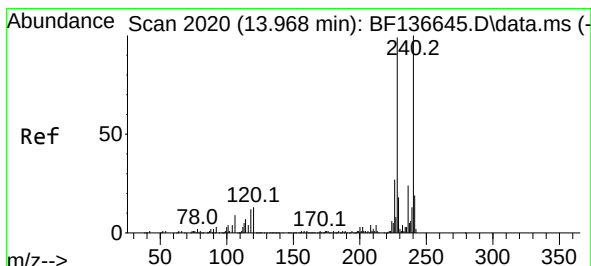
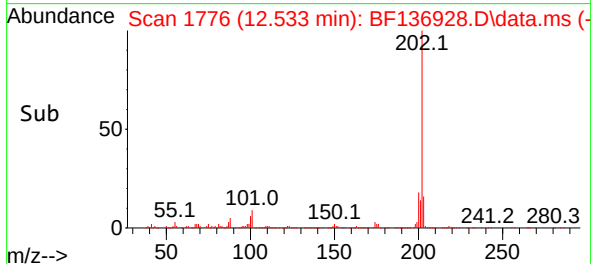
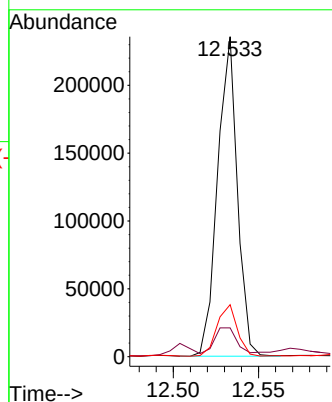
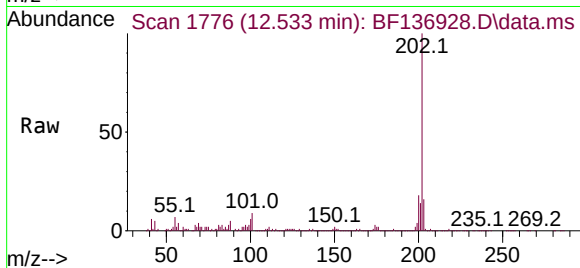




#75
Fluoranthene
Concen: 23.897 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

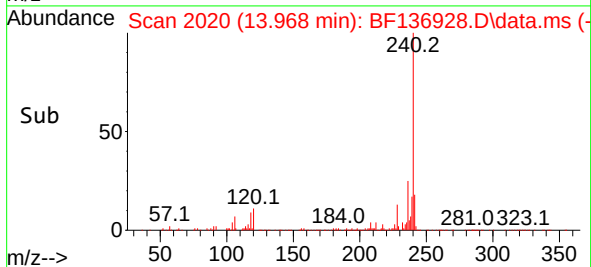
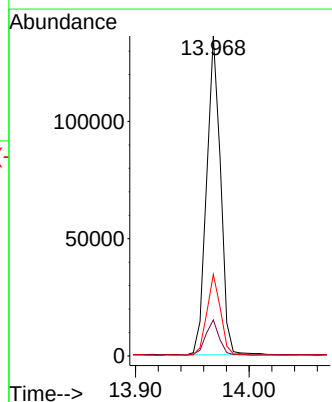
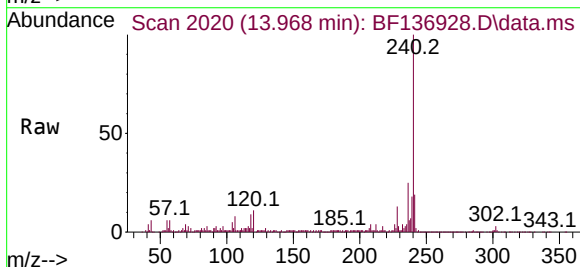
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023

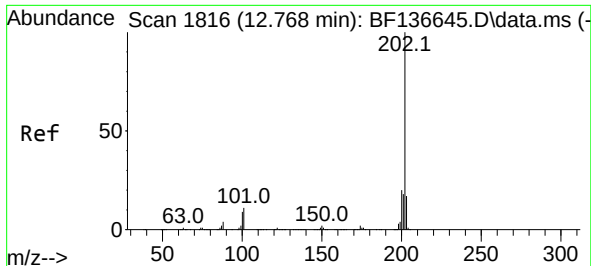
Tgt Ion:202 Resp: 189710
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.3
203 16.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion:240 Resp: 115455
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 25.5 19.4 29.2

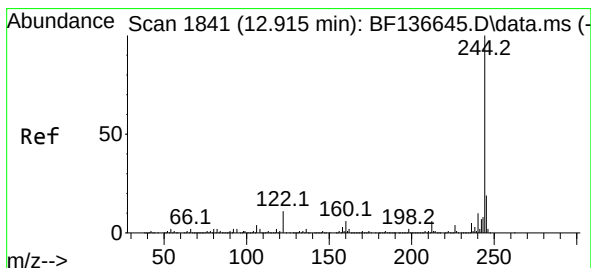
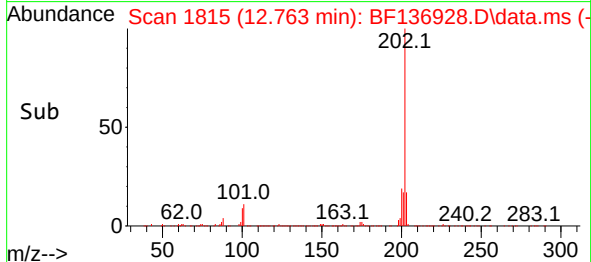
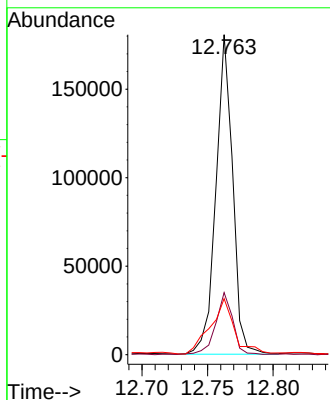
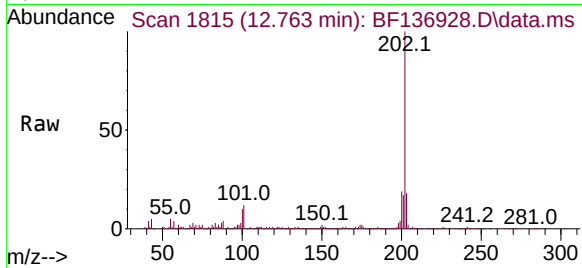




#78
 Pyrene
 Concen: 14.097 ng
 RT: 12.763 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF136928.D
 Acq: 04 Jan 2024 02:06

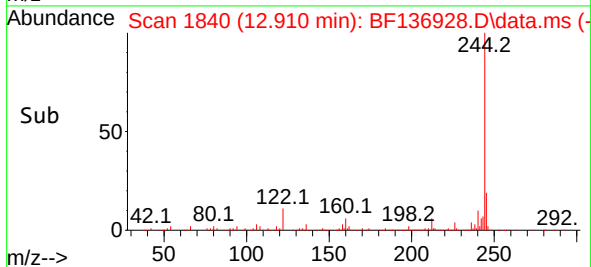
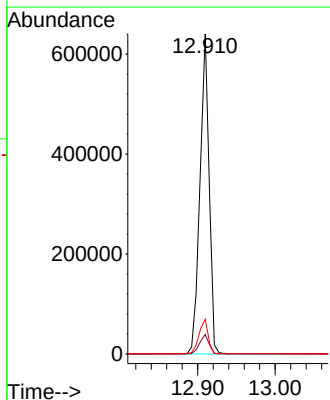
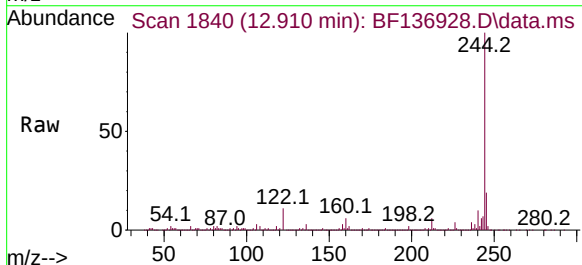
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-12282023

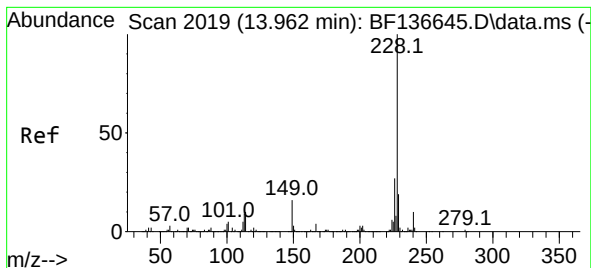
Tgt Ion:202 Resp: 159773
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.9 23.9
 203 17.5 13.8 20.6



#79
 Terphenyl-d14
 Concen: 63.747 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF136928.D
 Acq: 04 Jan 2024 02:06

Tgt Ion:244 Resp: 526662
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.8 9.0 13.4





#81

Benzo(a)anthracene

Concen: 8.669 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

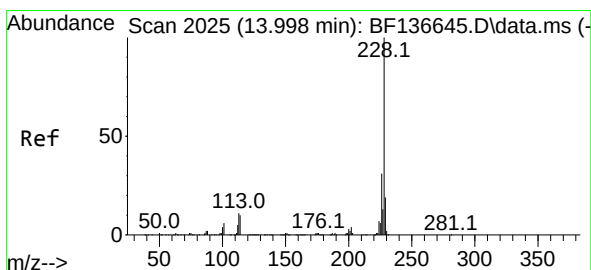
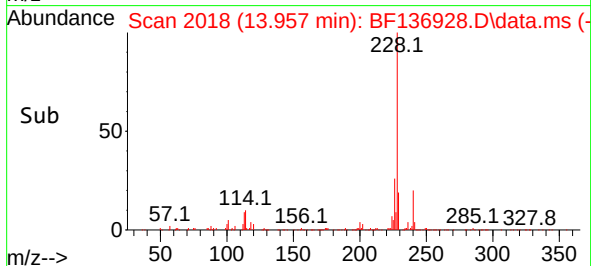
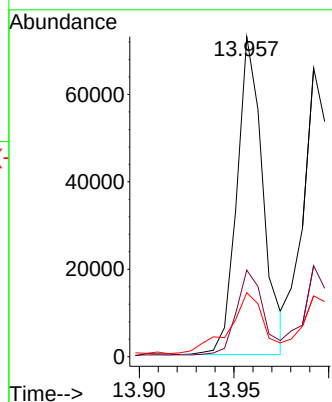
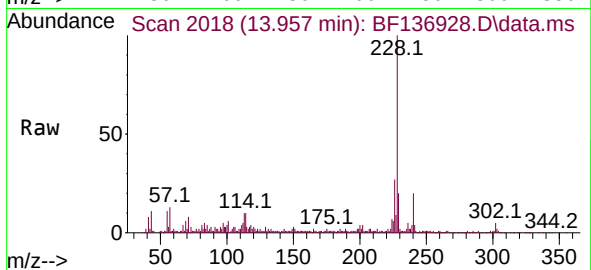
Tgt Ion:228 Resp: 69500

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.0

229 20.0 14.9 22.3



#83

Chrysene

Concen: 8.102 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

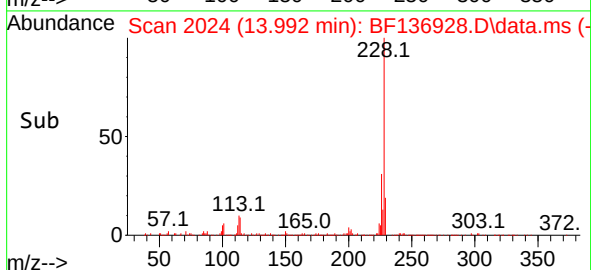
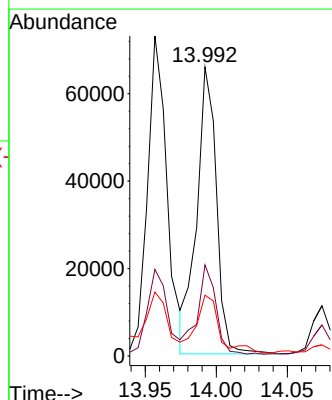
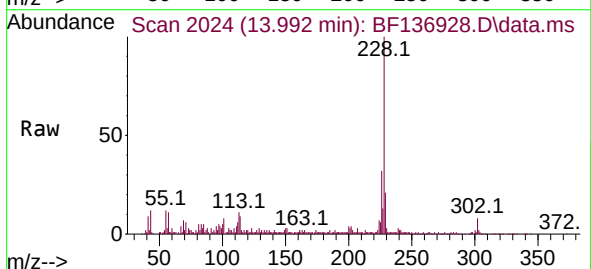
Tgt Ion:228 Resp: 63521

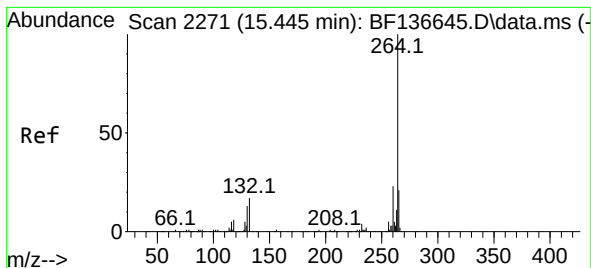
Ion Ratio Lower Upper

228 100

226 31.5 24.7 37.1

229 21.0 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

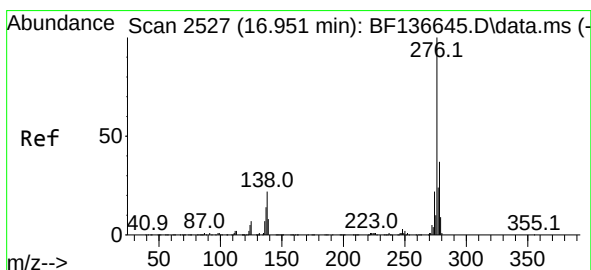
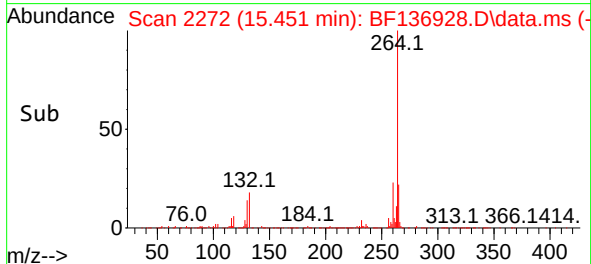
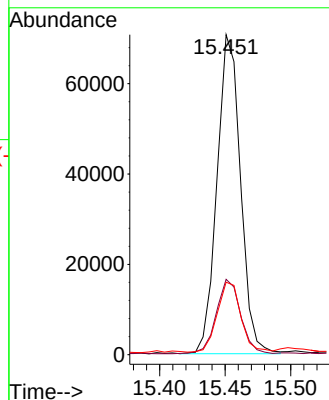
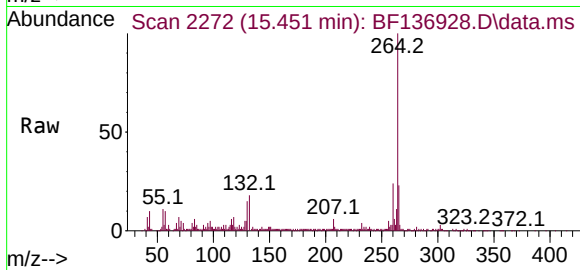
Tgt Ion:264 Resp: 87886

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 22.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.347 ng

RT: 16.962 min Scan# 2529

Delta R.T. 0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

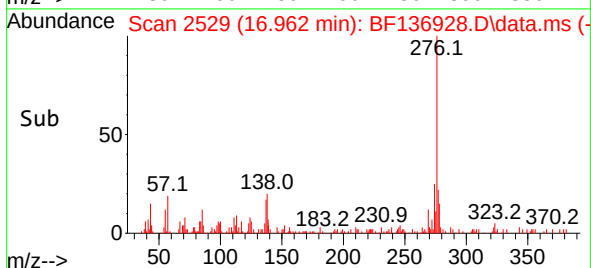
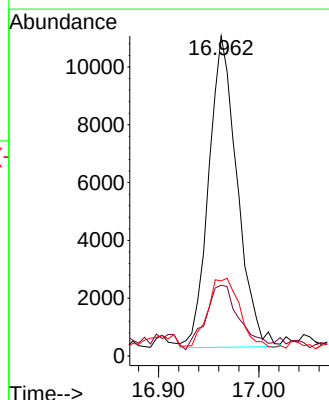
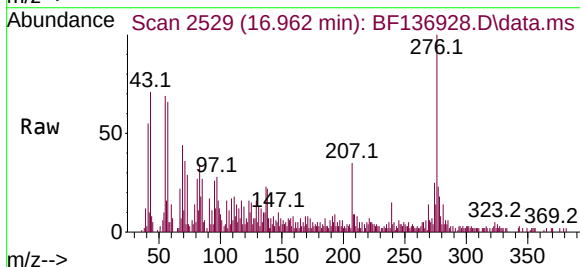
Tgt Ion:276 Resp: 21241

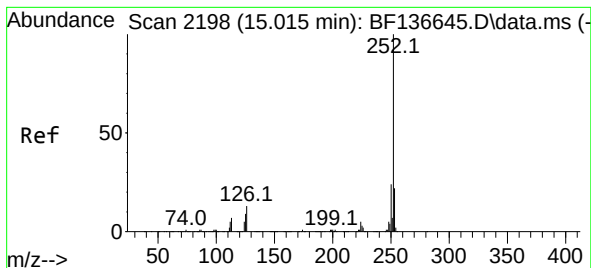
Ion Ratio Lower Upper

276 100

138 24.7 18.7 28.1

277 24.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 13.036 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

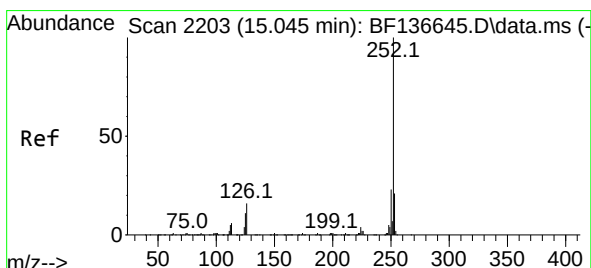
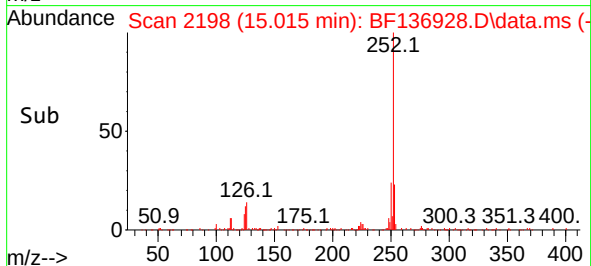
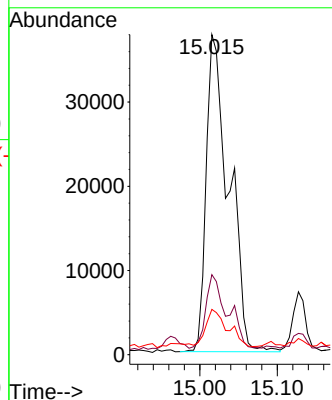
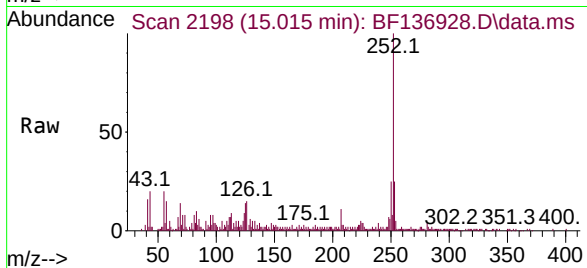
Tgt Ion:252 Resp: 76520

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.0

125 14.1 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 13.796 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

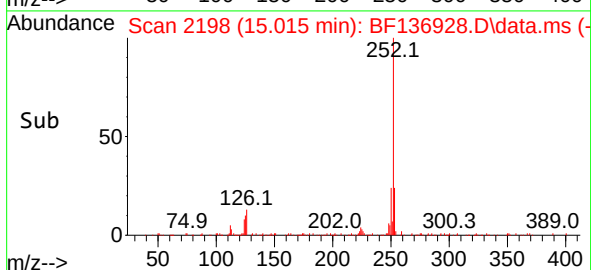
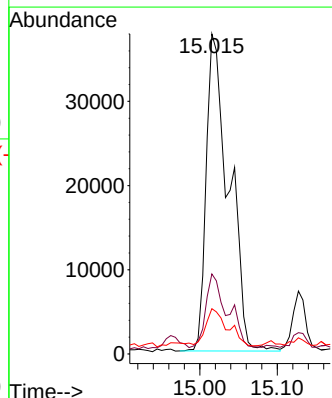
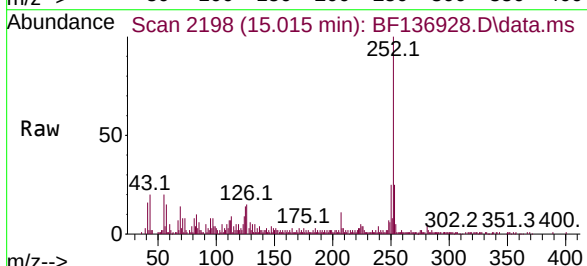
Tgt Ion:252 Resp: 76520

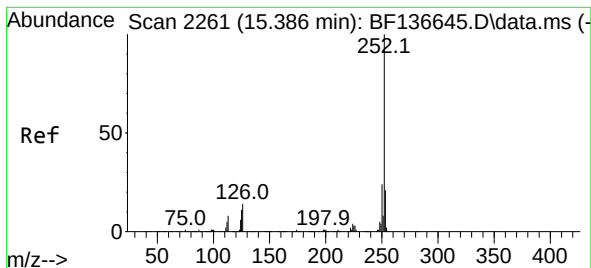
Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

125 14.1 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 8.155 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

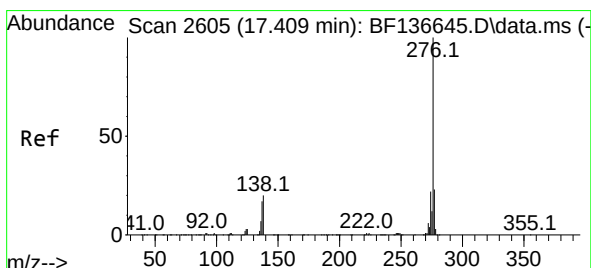
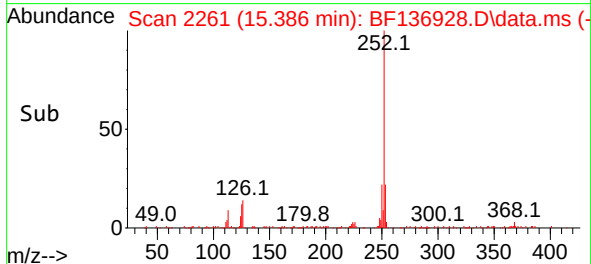
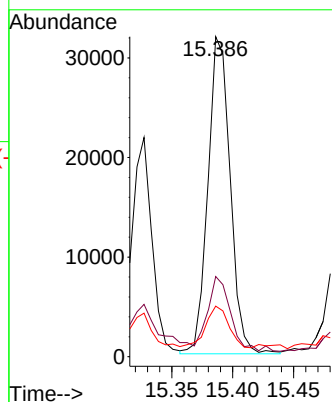
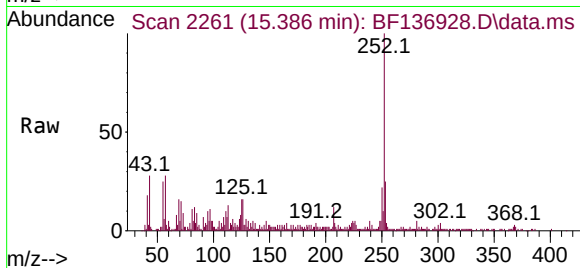
Tgt Ion:252 Resp: 40407

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

125 15.8 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 4.069 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Tgt Ion:276 Resp: 21697

Ion Ratio Lower Upper

276 100

277 23.0 18.3 27.5

138 23.3 15.6 23.4

