

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136979.D
 Acq On : 05 Jan 2024 16:55
 Operator : CG\JU
 Sample : 06015-07RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 17:23:15 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)

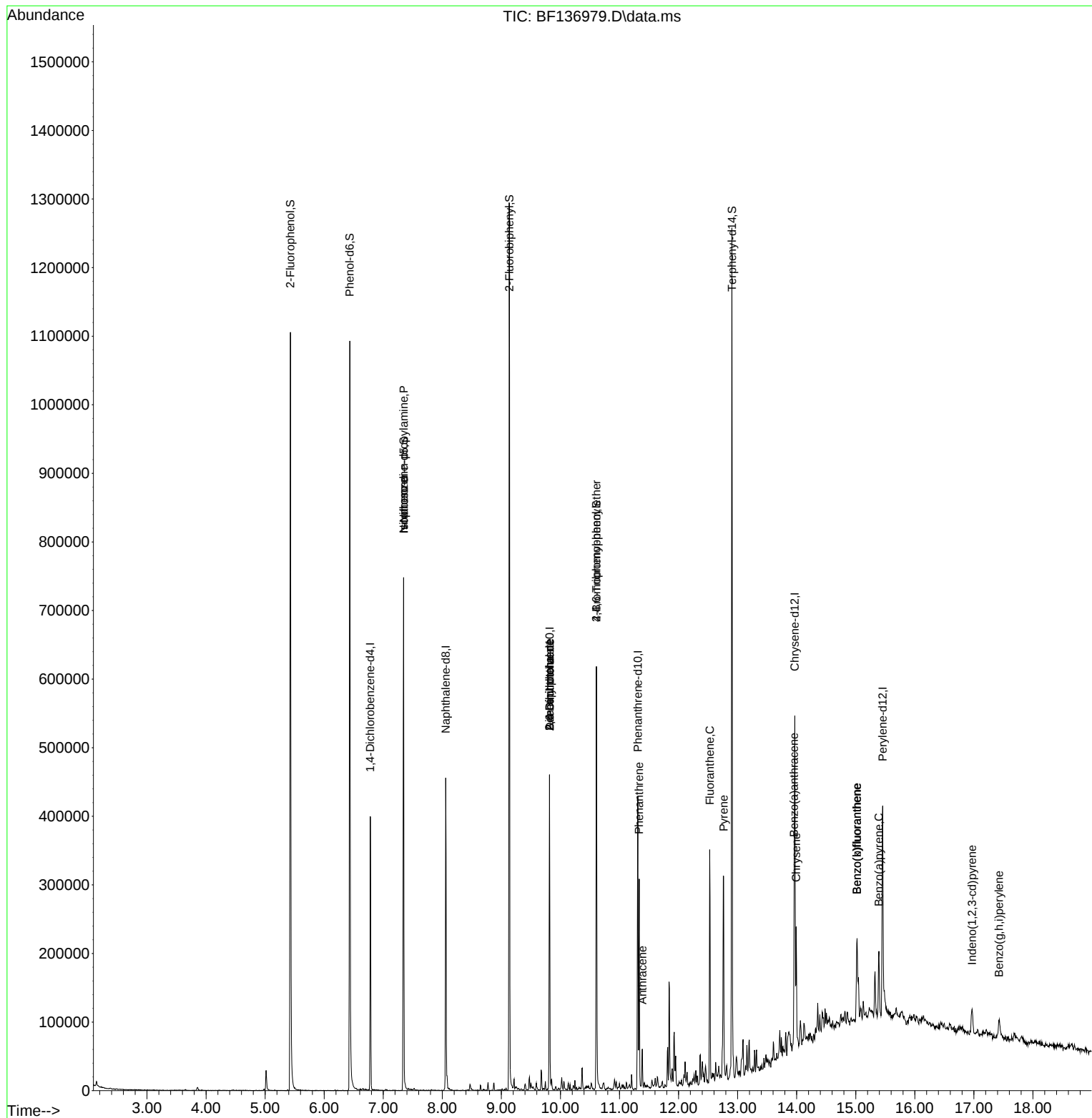
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	55636	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	196355	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	86156	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	150957	20.000	ng	0.00
76) Chrysene-d12	13.968	240	137583	20.000	ng	0.00
86) Perylene-d12	15.456	264	143660	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	296006	83.013	ng	0.00
7) Phenol-d6	6.434	99	356048	77.061	ng	0.00
23) Nitrobenzene-d5	7.345	82	218232	56.872	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	75743	74.647	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	406042	63.387	ng	-0.02
79) Terphenyl-d14	12.904	244	410029	41.648	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	26150	9.337	ng	# 78
25) Isophorone	7.345	82	218228	31.255	ng	# 65
50) Dimethylphthalate	9.816	163	16684	2.651	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11297	7.910	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	11297	6.093	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	4386	2.616	ng	# 1
71) Phenanthrene	11.333	178	104357	13.473	ng	99
72) Anthracene	11.386	178	21886	2.790	ng	96
75) Fluoranthene	12.527	202	132173	15.953	ng	98
78) Pyrene	12.763	202	129036	9.554	ng	97
81) Benzo(a)anthracene	13.957	228	70762	7.407	ng	97
83) Chrysene	13.992	228	62831	6.725	ng	94
87) Indeno(1,2,3-cd)pyrene	16.968	276	23675	2.282	ng	99
88) Benzo(b)fluoranthene	15.021	252	92299	9.619	ng	98
89) Benzo(k)fluoranthene	15.021	252	92299	10.180	ng	99
90) Benzo(a)pyrene	15.392	252	48566	5.996	ng	# 94
92) Benzo(g,h,i)perylene	17.427	276	21459	2.462	ng	98

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

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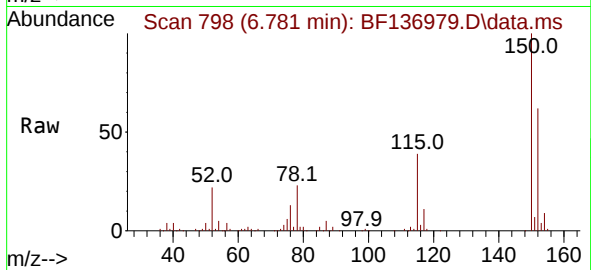
Quant Time: Jan 05 17:23:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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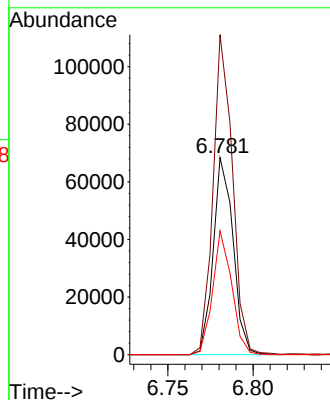
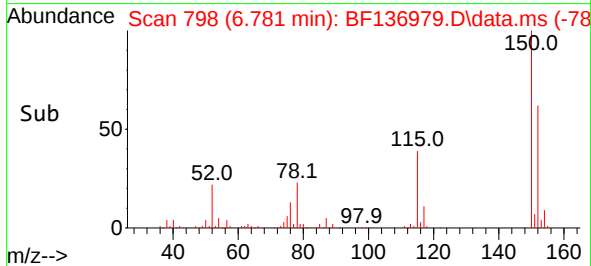


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

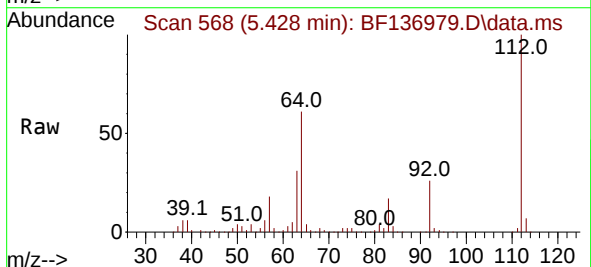
Instrument :
BNA_F
ClientSampleId :



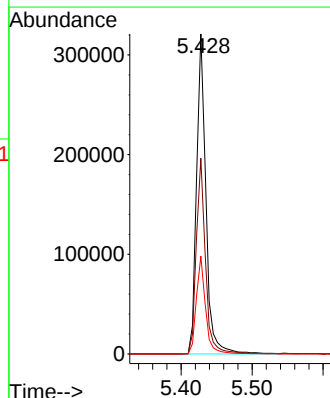
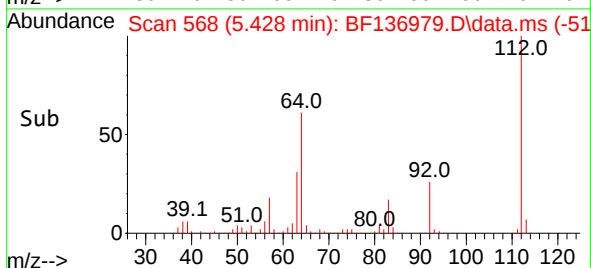
Tgt Ion:152 Resp: 55636
Ion Ratio Lower Upper
152 100
150 162.5 127.0 190.6
115 62.8 49.0 73.4

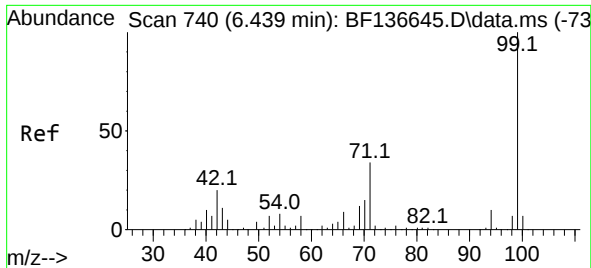


#5
2-Fluorophenol
Concen: 83.013 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55



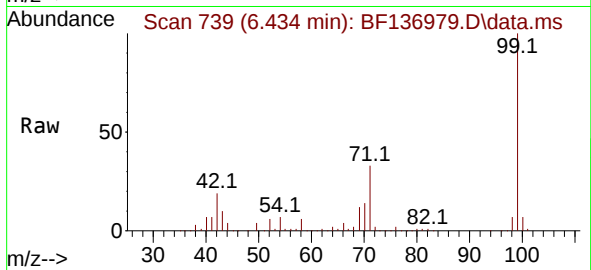
Tgt Ion:112 Resp: 296006
Ion Ratio Lower Upper
112 100
64 61.2 51.1 76.7
63 30.5 26.1 39.1



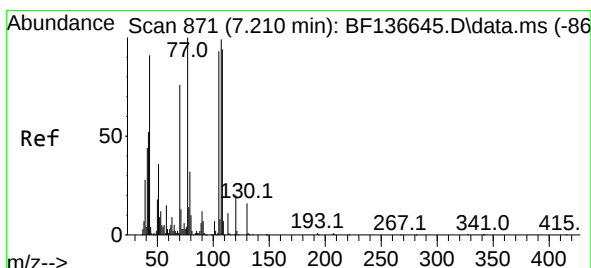
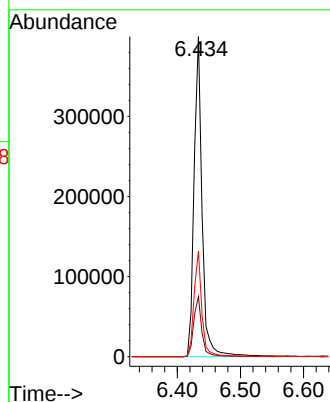
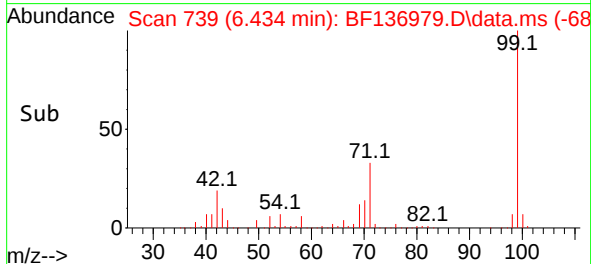


#7
Phenol-d6
Concen: 77.061 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

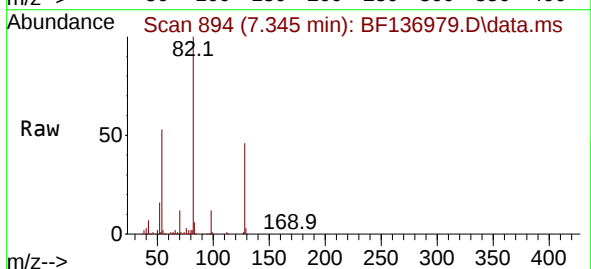
Instrument :
BNA_F
ClientSampleId :



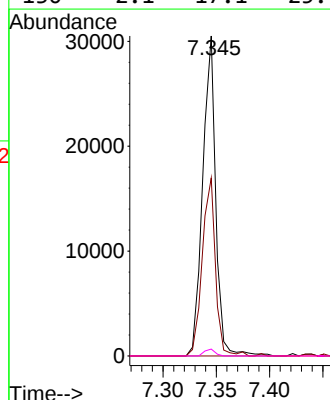
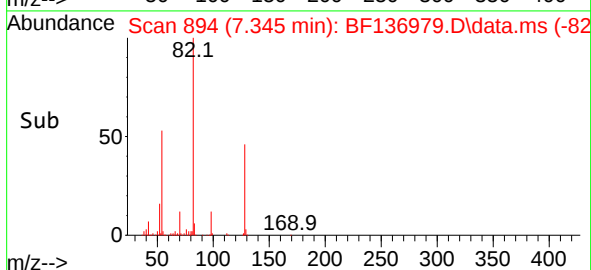
Tgt Ion: 99 Resp: 356048
Ion Ratio Lower Upper
99 100
42 18.8 16.1 24.1
71 33.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.337 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55



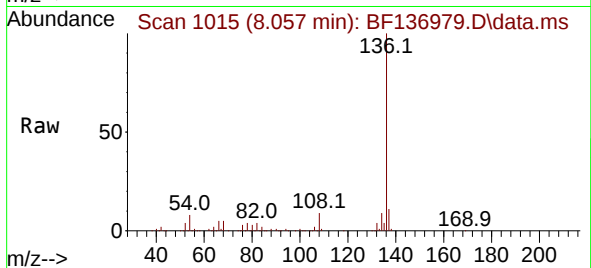
Tgt Ion: 70 Resp: 26150
Ion Ratio Lower Upper
70 100
42 55.6 54.2 81.4
101 0.0 7.6 11.4#
130 2.1 17.1 25.7#



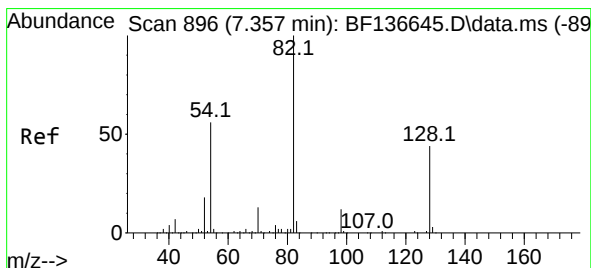
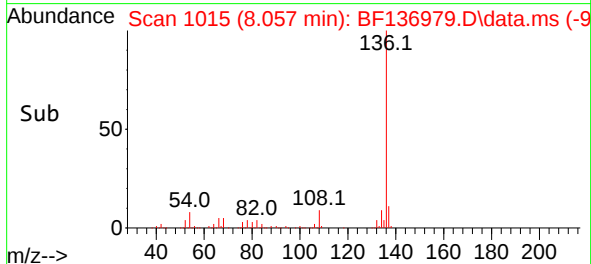
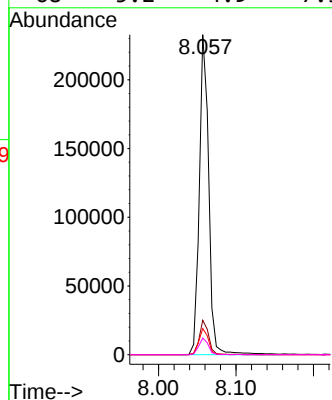


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :
BNA_F
ClientSampleId :

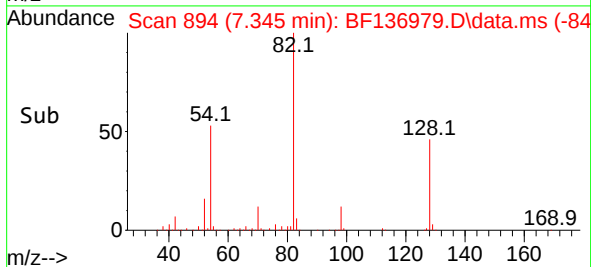
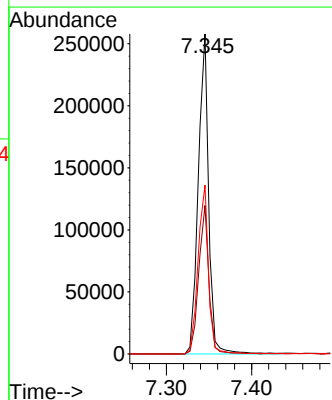
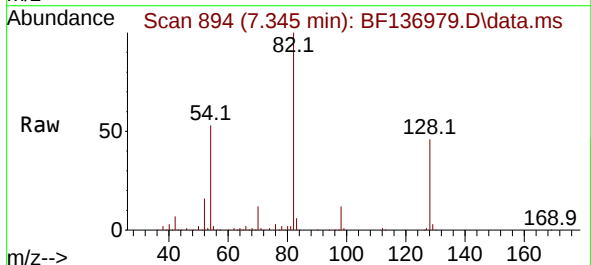


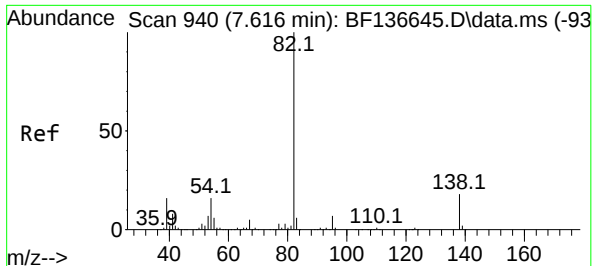
Tgt Ion:136 Resp: 196355
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.2 7.2 10.8
68 5.2 4.9 7.3



#23
Nitrobenzene-d5
Concen: 56.872 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

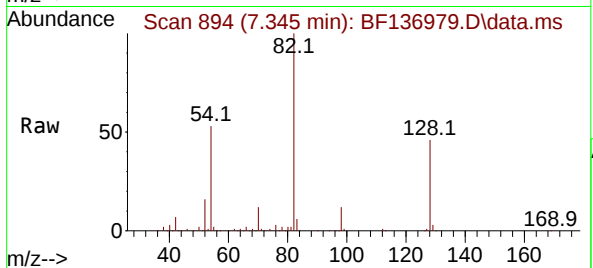
Tgt Ion: 82 Resp: 218232
Ion Ratio Lower Upper
82 100
128 46.4 35.3 52.9
54 52.8 44.5 66.7



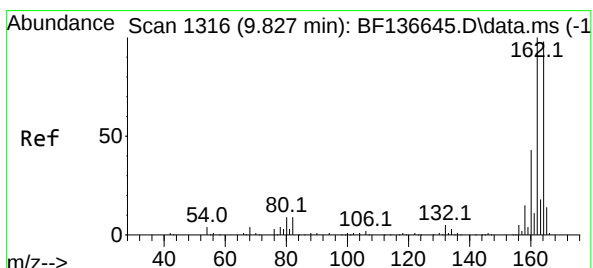
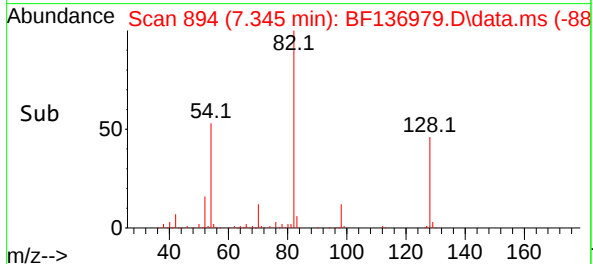
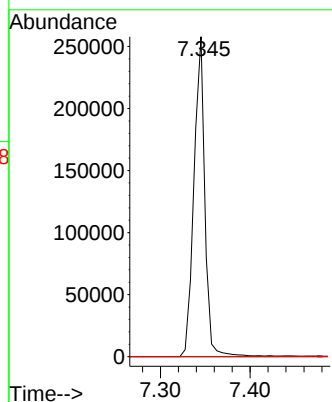


#25
Isophorone
Concen: 31.255 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :
BNA_F
ClientSampleId :

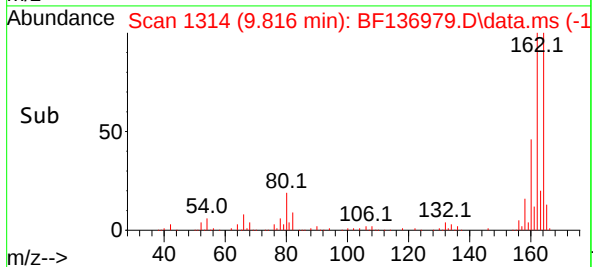
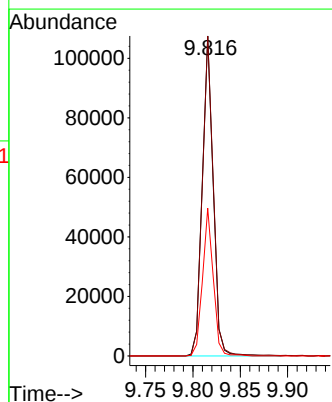
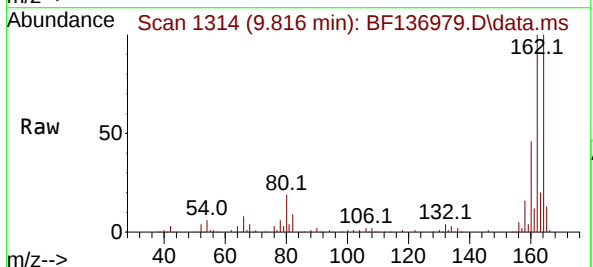


Tgt Ion: 82 Resp: 218228
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Tgt Ion: 164 Resp: 86156
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 46.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 74.647 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

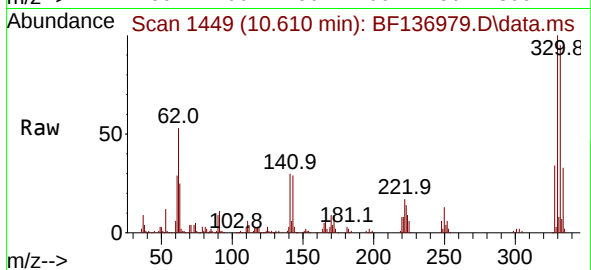
Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :



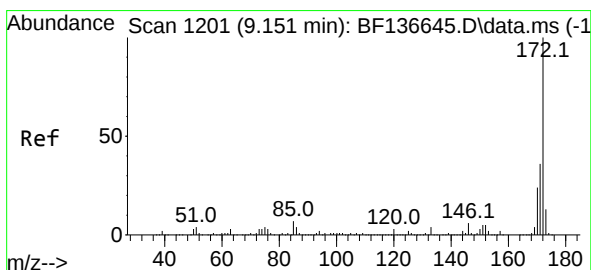
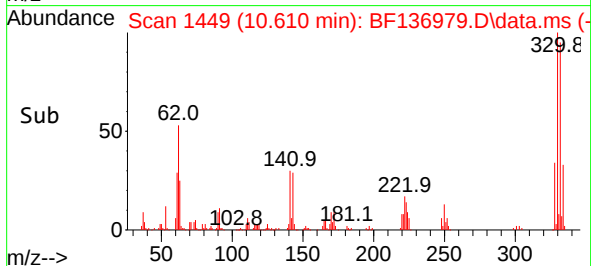
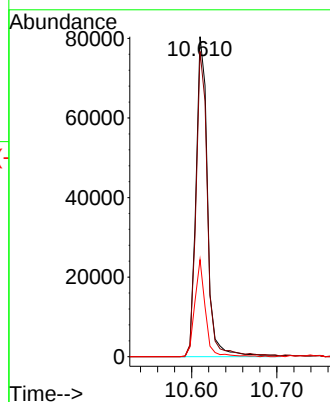
Tgt Ion:330 Resp: 75743

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

141 28.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 63.387 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

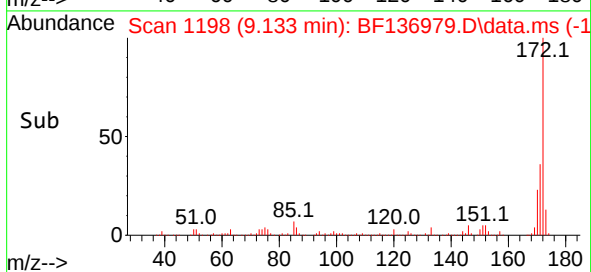
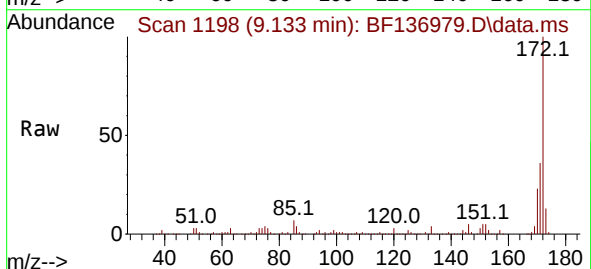
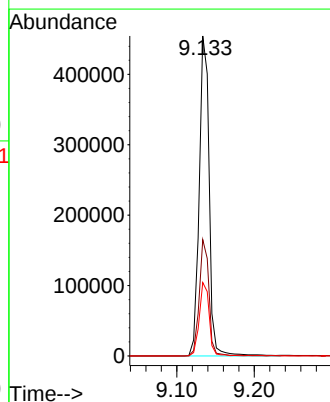
Tgt Ion:172 Resp: 406042

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.6

170 23.0 19.0 28.4

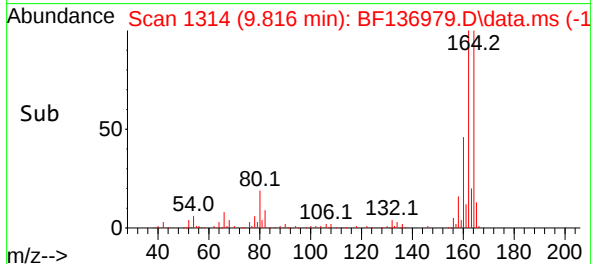
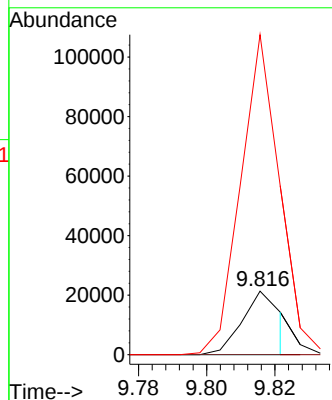
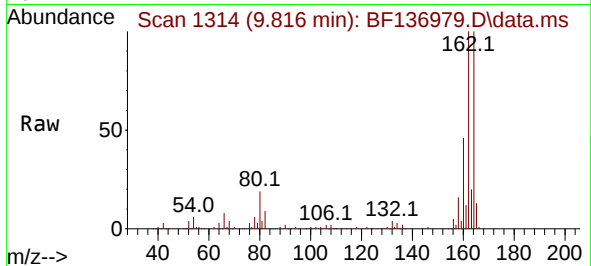




#50
Dimethylphthalate
Concen: 2.651 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

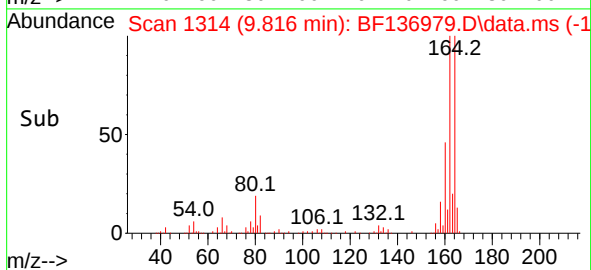
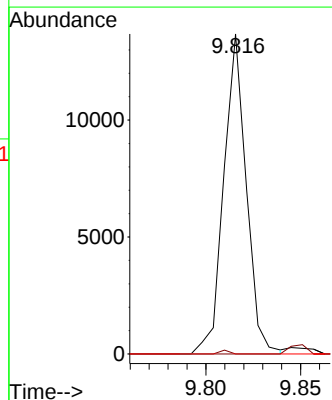
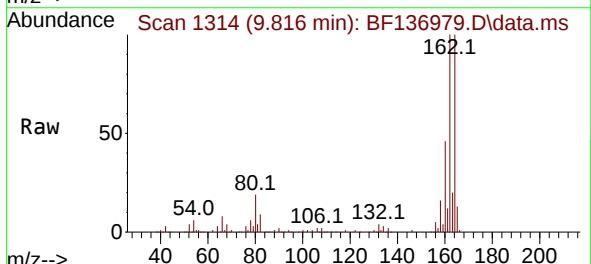
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 16684
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 503.7 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.910 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

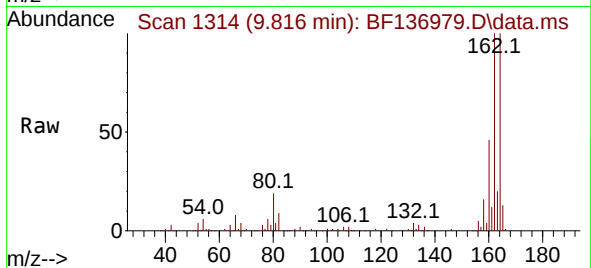
Tgt Ion:165 Resp: 11297
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 38.8 58.2#



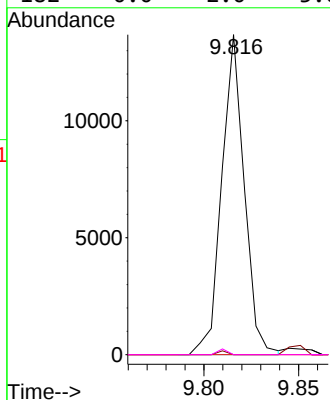
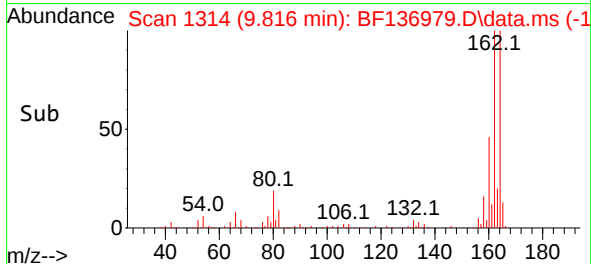


#57
2,4-Dinitrotoluene
Concen: 6.093 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :
BNA_F
ClientSampleId :

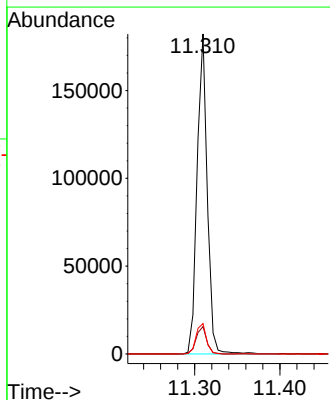
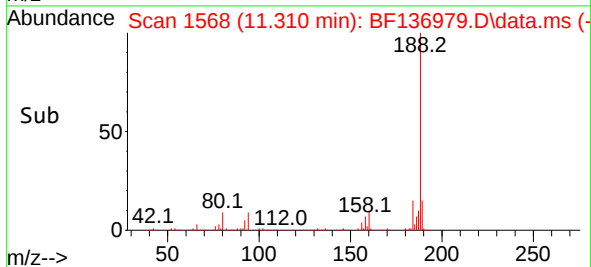
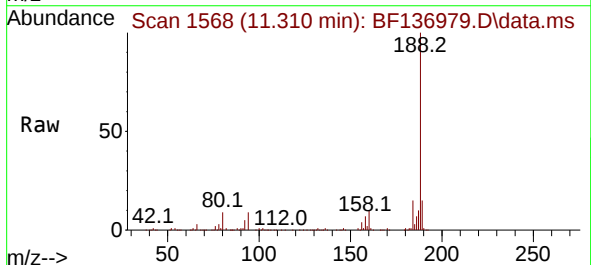


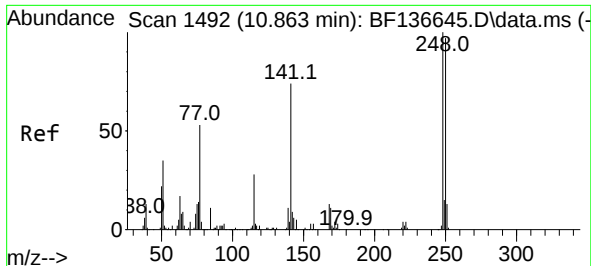
Tgt Ion:165 Resp: 11297
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

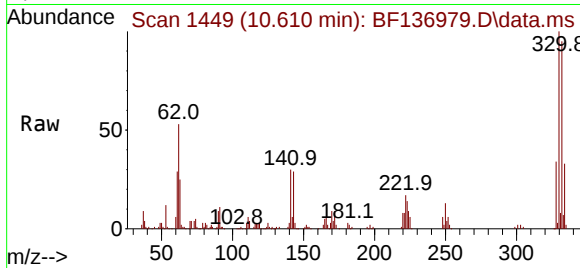
Tgt Ion:188 Resp: 150957
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.5 8.1 12.1



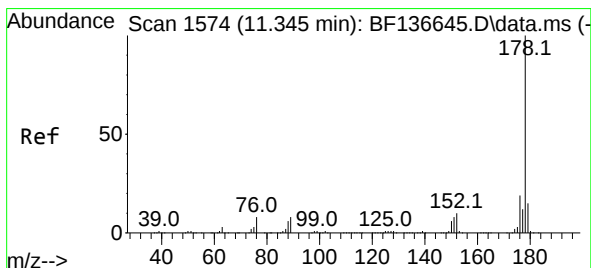
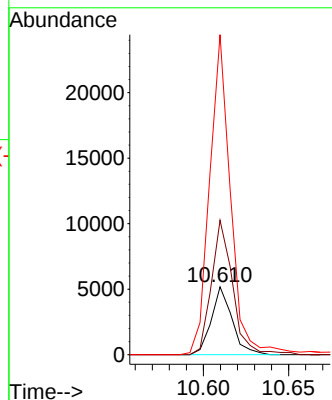
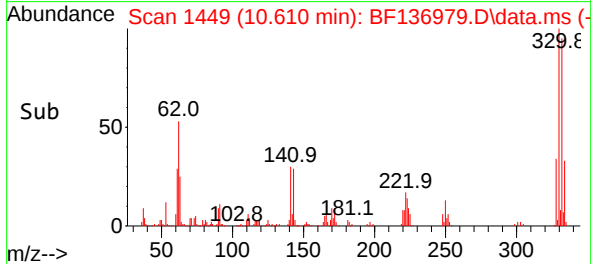


#67
4-Bromophenyl-phenylether
Concen: 2.616 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :
BNA_F
ClientSampleId :

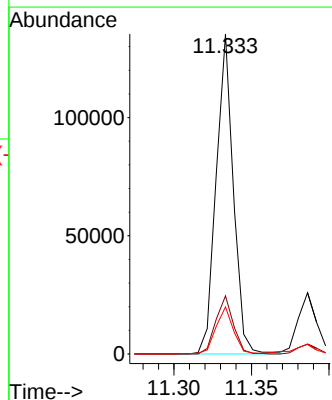
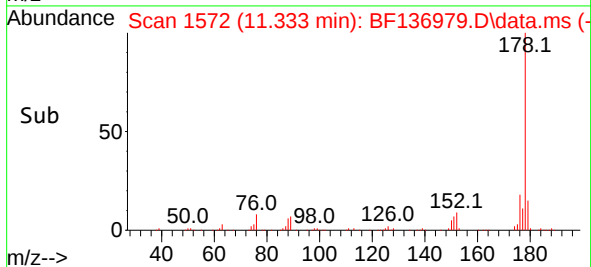
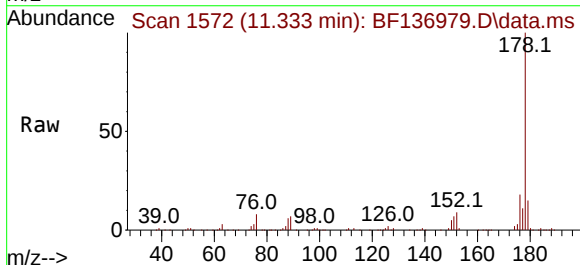


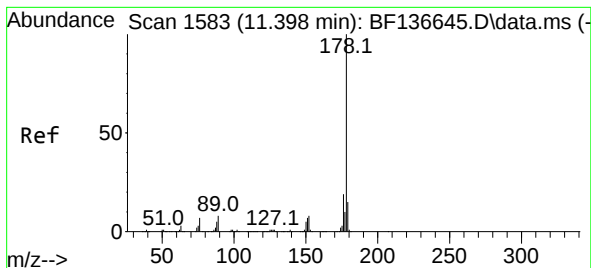
Tgt Ion:248 Resp: 4386
Ion Ratio Lower Upper
248 100
250 197.9 77.8 116.6#
141 471.1 59.2 88.8#



#71
Phenanthrene
Concen: 13.473 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Tgt Ion:178 Resp: 104357
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 14.7 11.9 17.9





#72

Anthracene

Concen: 2.790 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

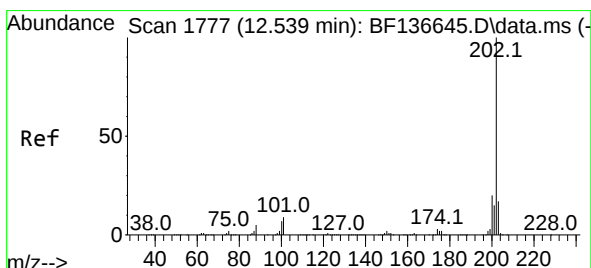
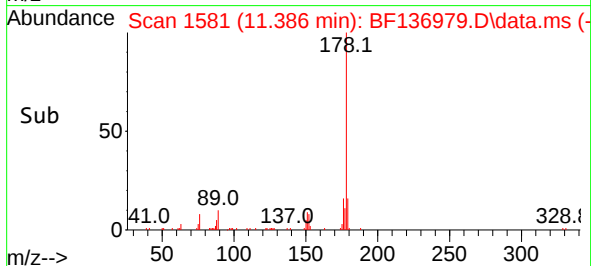
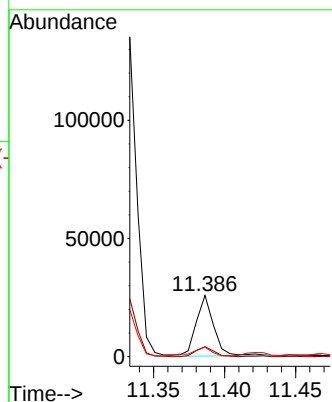
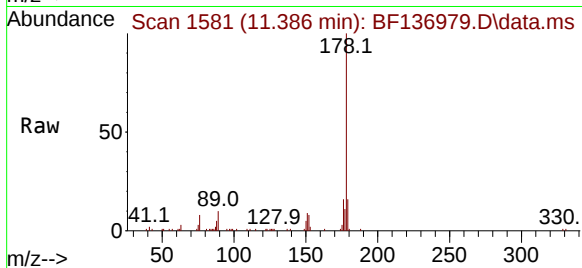
Tgt Ion:178 Resp: 21886

Ion Ratio Lower Upper

178 100

176 16.4 14.9 22.3

179 15.6 11.8 17.6



#75

Fluoranthene

Concen: 15.953 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

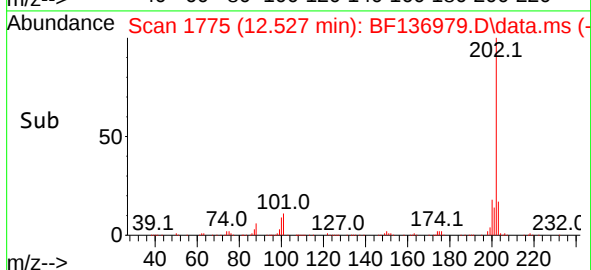
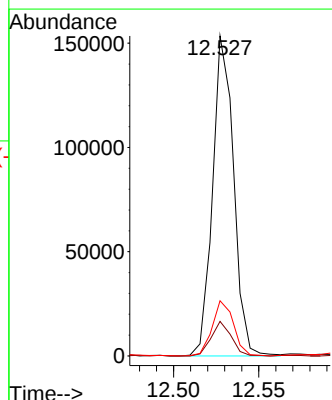
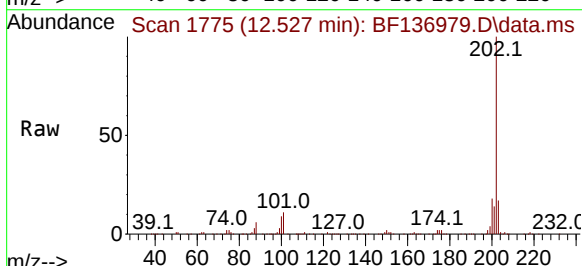
Tgt Ion:202 Resp: 132173

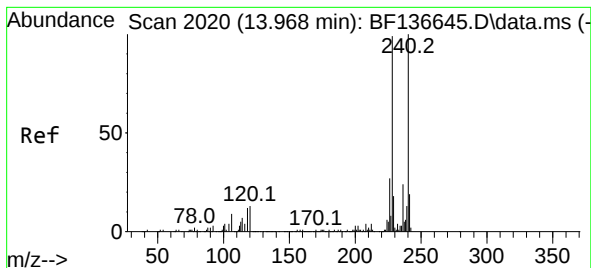
Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.3

203 17.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

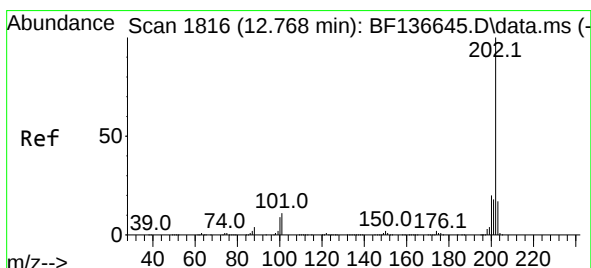
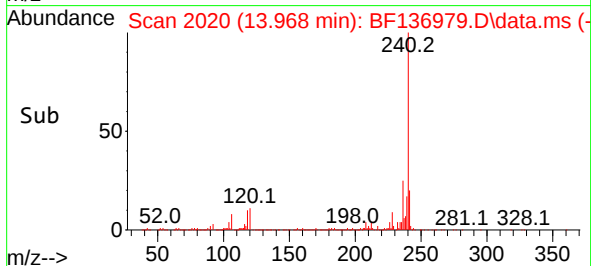
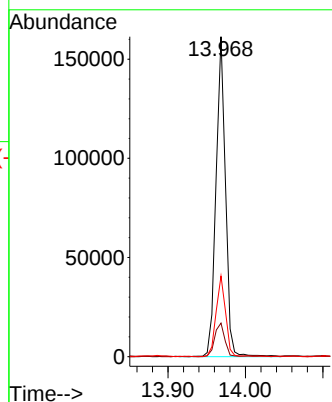
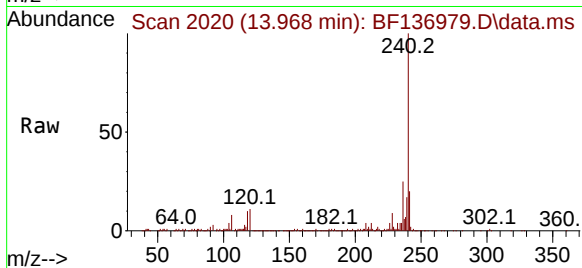
Tgt Ion:240 Resp: 137583

Ion Ratio Lower Upper

240 100

120 10.5 10.3 15.5

236 25.2 19.4 29.2



#78

Pyrene

Concen: 9.554 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

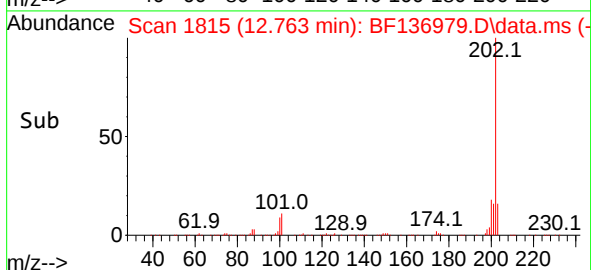
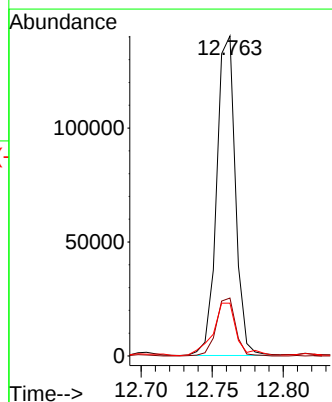
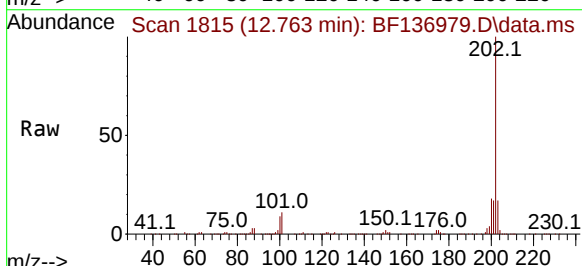
Tgt Ion:202 Resp: 129036

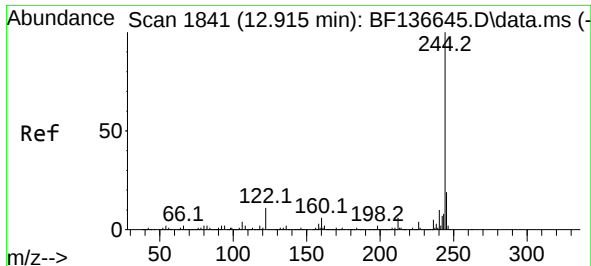
Ion Ratio Lower Upper

202 100

200 18.1 15.9 23.9

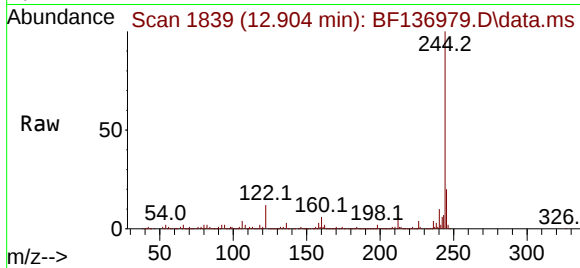
203 16.5 13.8 20.6



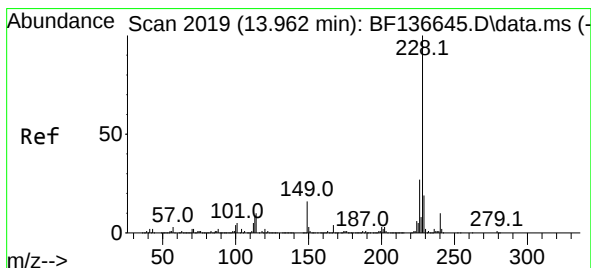
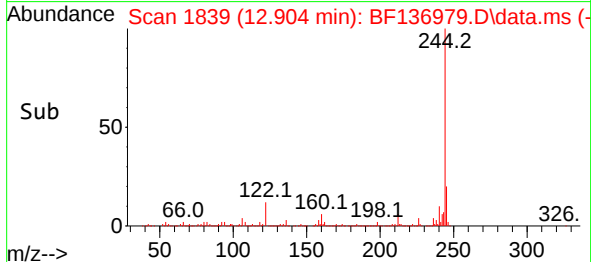
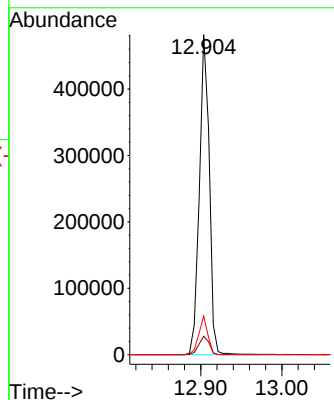


#79
 Terphenyl-d14
 Concen: 41.648 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136979.D
 Acq: 05 Jan 2024 16:55

Instrument :
 BNA_F
 ClientSampleId :

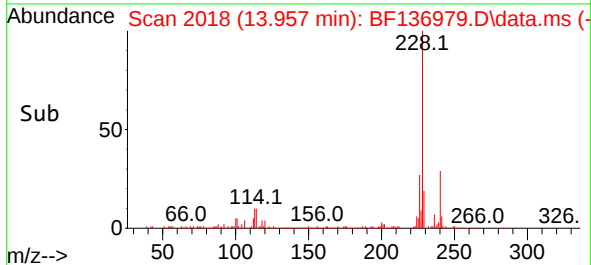
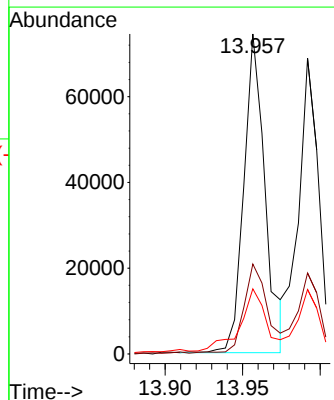
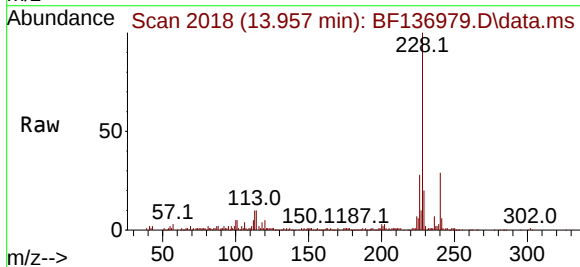


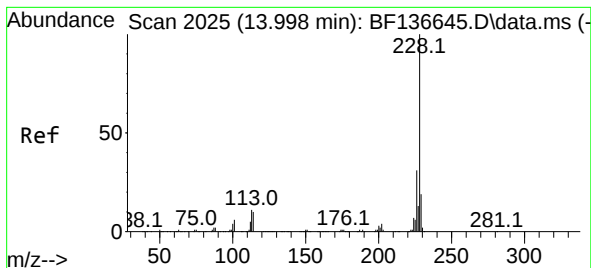
Tgt Ion:244 Resp: 410029
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 12.1 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 7.407 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136979.D
 Acq: 05 Jan 2024 16:55

Tgt Ion:228 Resp: 70762
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 20.4 14.9 22.3





#83

Chrysene

Concen: 6.725 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

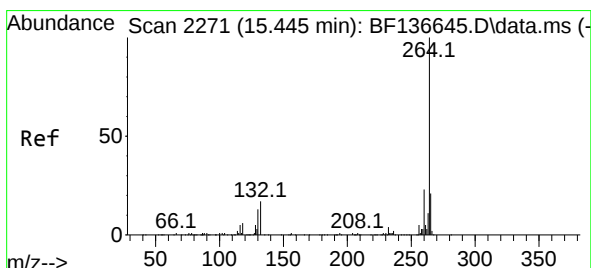
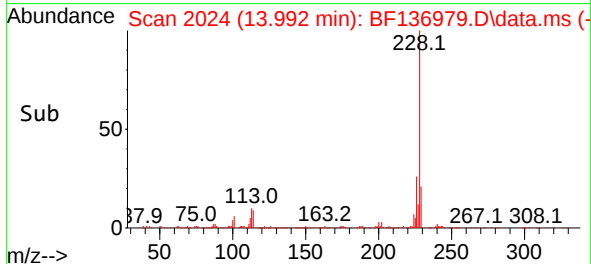
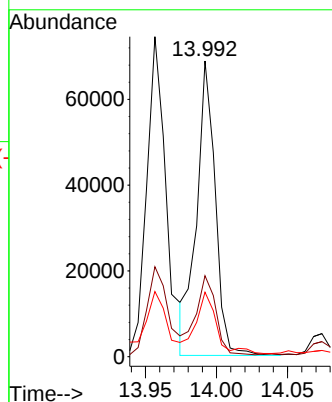
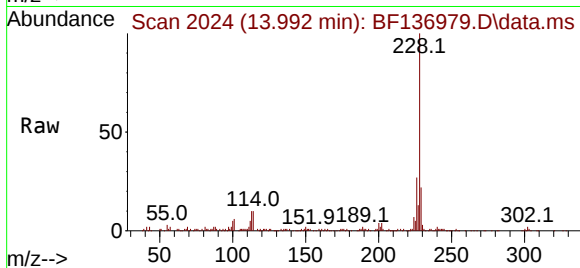
Tgt Ion:228 Resp: 62831

Ion Ratio Lower Upper

228 100

226 27.4 24.7 37.1

229 21.8 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 2273

Delta R.T. 0.012 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

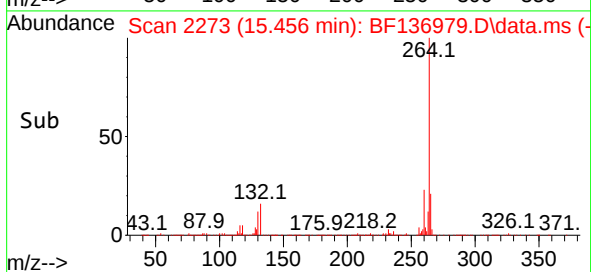
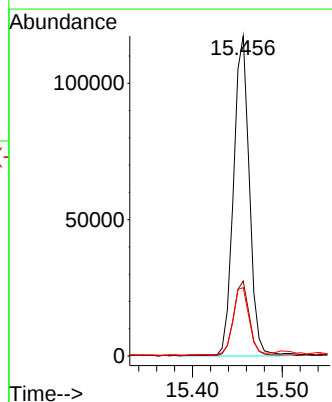
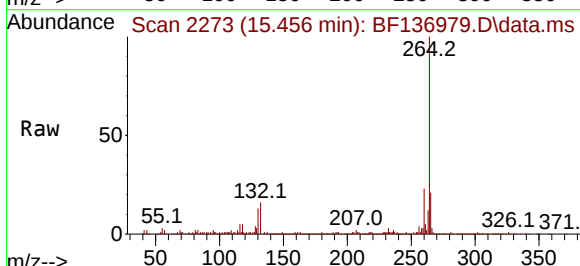
Tgt Ion:264 Resp: 143660

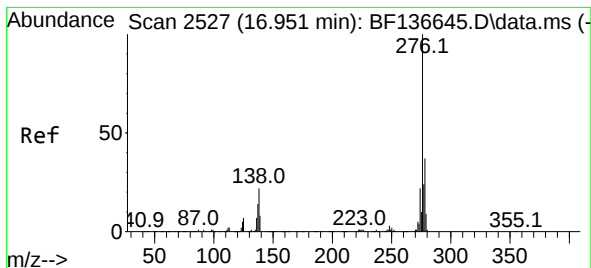
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 21.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.282 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

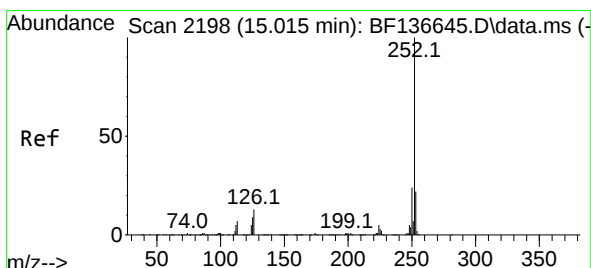
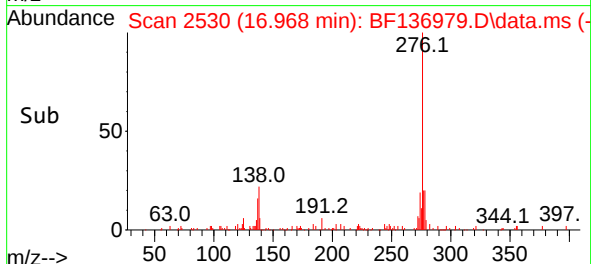
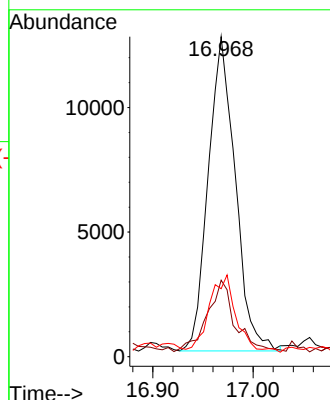
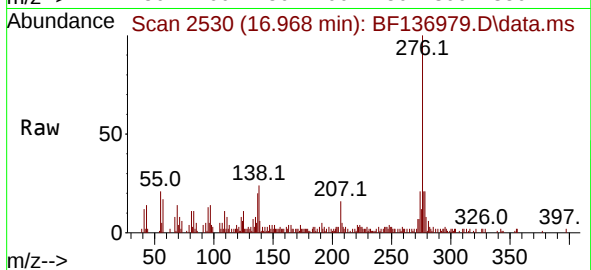
Tgt Ion:276 Resp: 23675

Ion Ratio Lower Upper

276 100

138 23.1 18.7 28.1

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.619 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

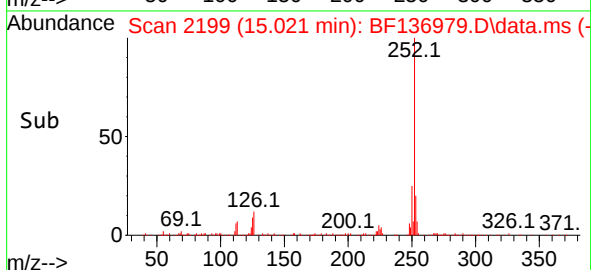
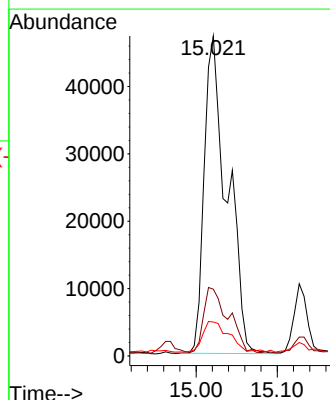
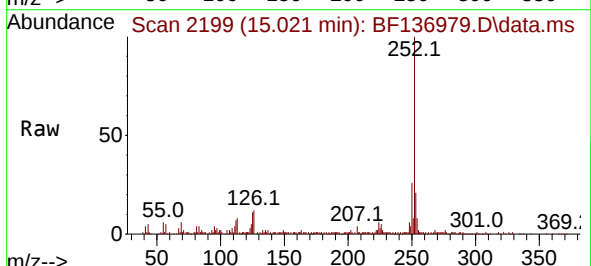
Tgt Ion:252 Resp: 92299

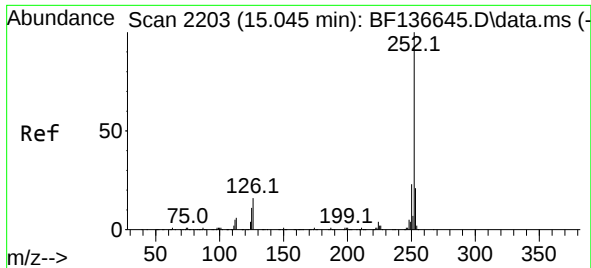
Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.0

125 10.6 7.4 11.2

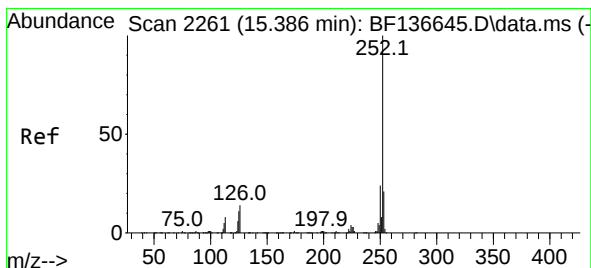
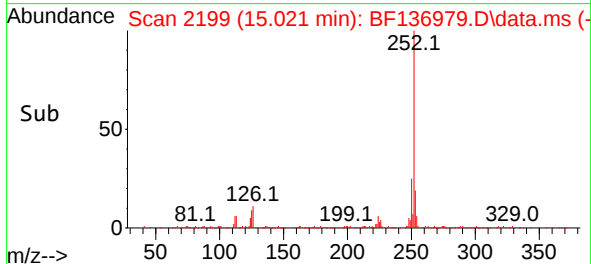
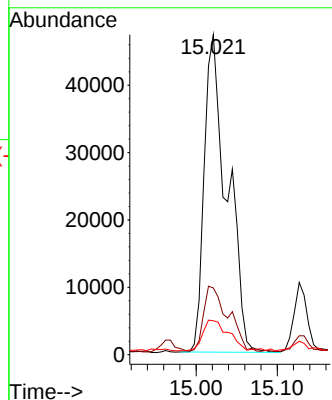
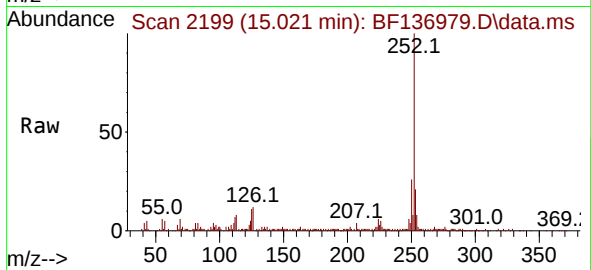




#89
Benzo(k)fluoranthene
Concen: 10.180 ng
RT: 15.021 min Scan# 2119
Delta R.T. -0.024 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

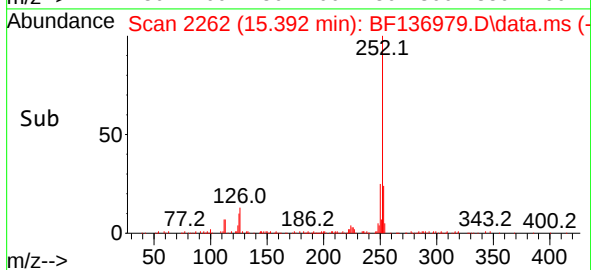
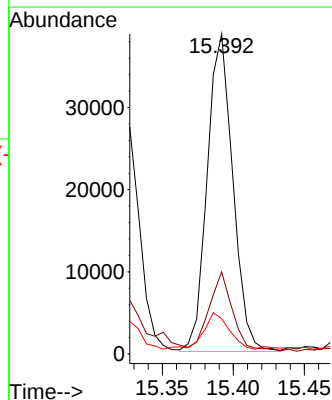
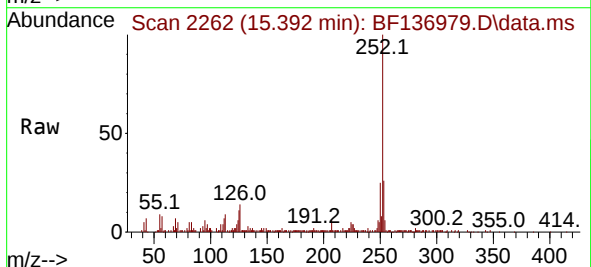
Instrument :
BNA_F
ClientSampleId :

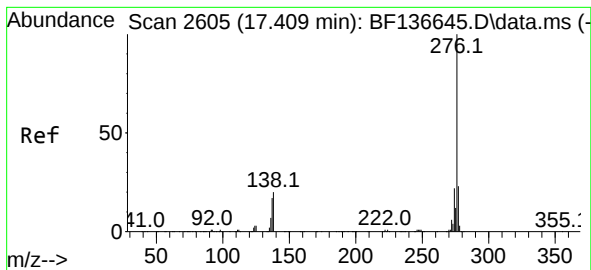
Tgt Ion:252 Resp: 92299
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.6
125 10.6 8.2 12.4



#90
Benzo(a)pyrene
Concen: 5.996 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Tgt Ion:252 Resp: 48566
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 11.0 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.462 ng

RT: 17.427 min Scan# 20

Delta R.T. 0.018 min

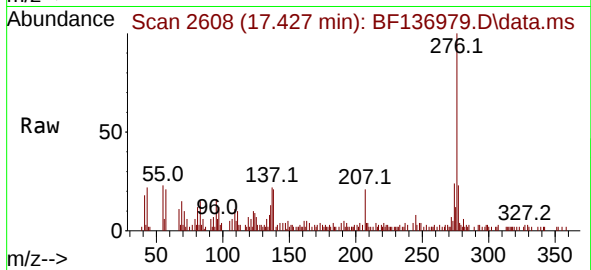
Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 21459

Ion Ratio Lower Upper

276 100

277 23.2 18.3 27.5

138 21.4 15.6 23.4

