

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136970.D
 Acq On : 05 Jan 2024 12:13
 Operator : CG\JU
 Sample : P1005-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Quant Time: Jan 05 12:50:15 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)

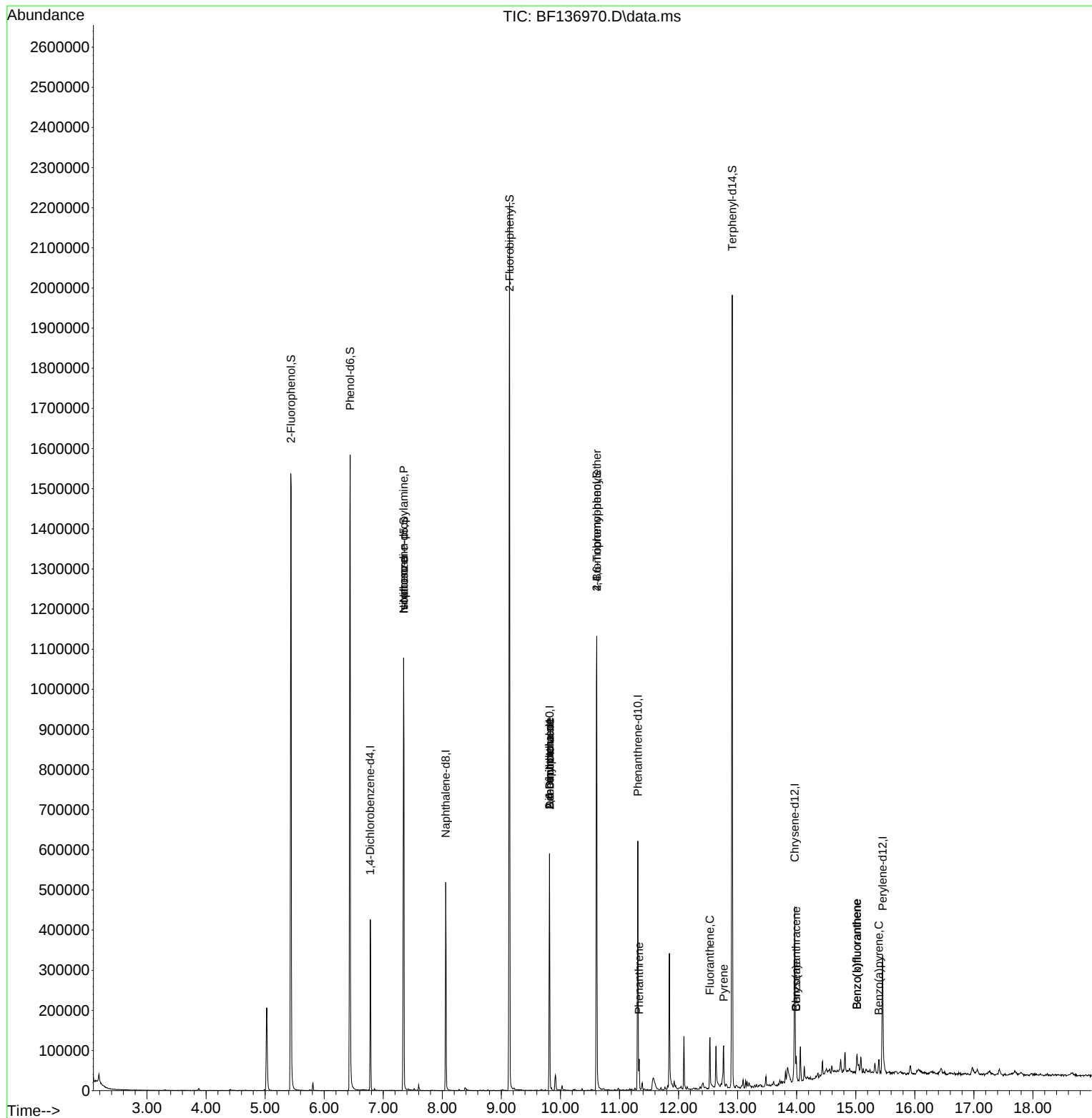
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	59772	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	219440	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	111588	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	208816	20.000	ng	0.00
76) Chrysene-d12	13.969	240	140499	20.000	ng	0.00
86) Perylene-d12	15.457	264	138700	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	458849	119.778	ng	0.01
7) Phenol-d6	6.440	99	572591	115.352	ng	0.00
23) Nitrobenzene-d5	7.345	82	362771	84.594	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	154589	117.630	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	696905	83.999	ng	-0.01
79) Terphenyl-d14	12.910	244	680109	67.647	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	46071	15.311	ng	# 74
25) Isophorone	7.345	82	362768	46.490	ng	# 65
50) Dimethylphthalate	9.816	163	21244	2.606	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	14224	7.689	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	14224	5.923	ng	# 21
67) 4-Bromophenyl-phenylether	10.616	248	8690	3.747	ng	# 1
71) Phenanthrene	11.333	178	24378	2.275	ng	95
75) Fluoranthene	12.527	202	52899	4.616	ng	97
78) Pyrene	12.763	202	43978	3.189	ng	98
81) Benzo(a)anthracene	13.992	228	21272	2.180	ng	95
83) Chrysene	13.992	228	21272	2.230	ng	96
88) Benzo(b)fluoranthene	15.021	252	34335	3.706	ng	# 93
89) Benzo(k)fluoranthene	15.021	252	34335	3.922	ng	# 93
90) Benzo(a)pyrene	15.392	252	17100	2.187	ng	98

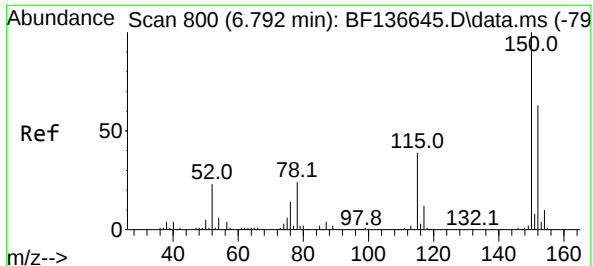
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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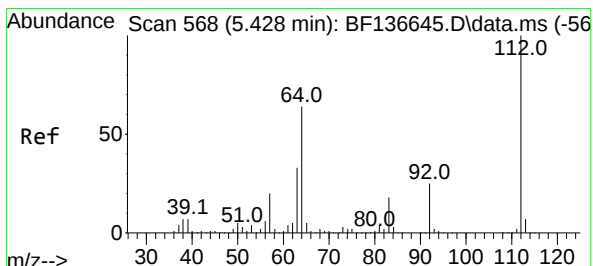
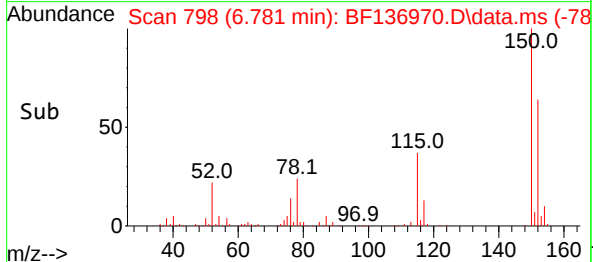
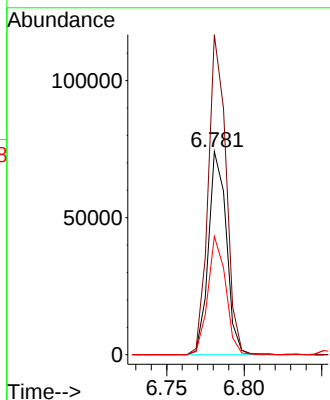
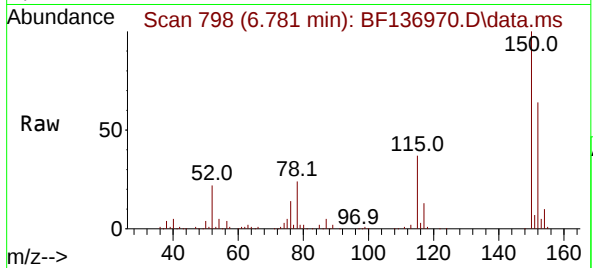




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

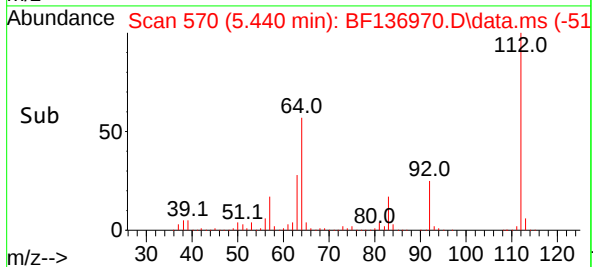
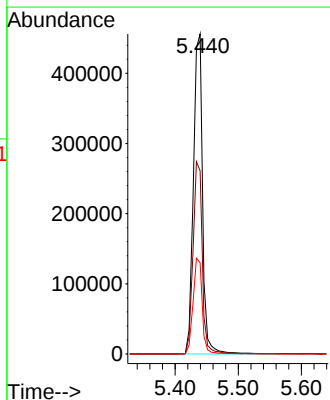
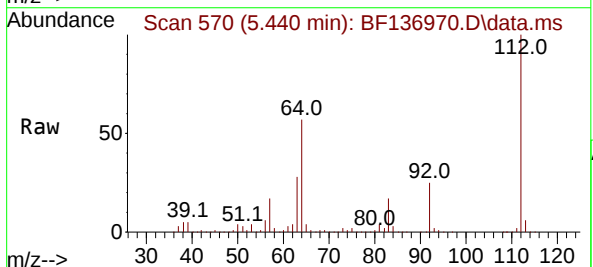
Instrument :
BNA_F
ClientSampleId :
RBR200030

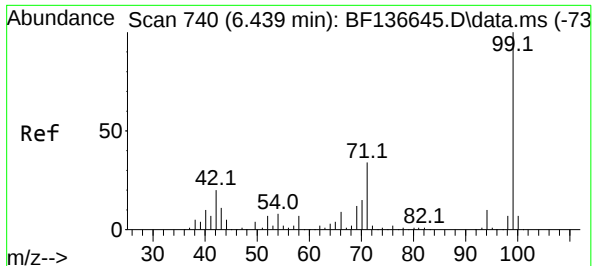
Tgt Ion:152 Resp: 59772
Ion Ratio Lower Upper
152 100
150 157.5 127.0 190.6
115 58.3 49.0 73.4



#5
2-Fluorophenol
Concen: 119.778 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion:112 Resp: 458849
Ion Ratio Lower Upper
112 100
64 57.2 51.1 76.7
63 28.5 26.1 39.1

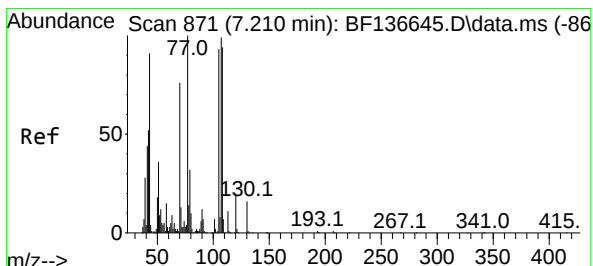
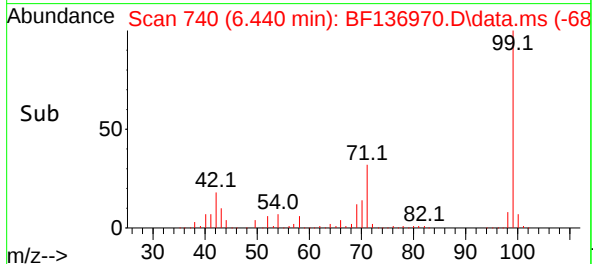
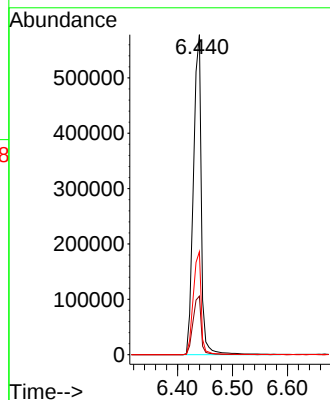
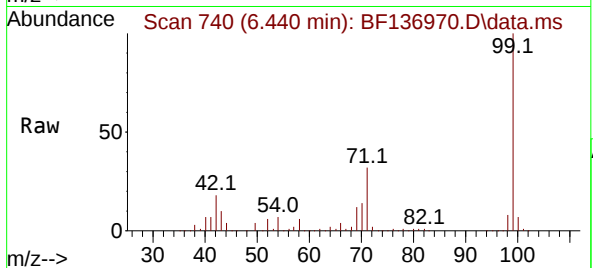




#7
Phenol-d6
Concen: 115.352 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

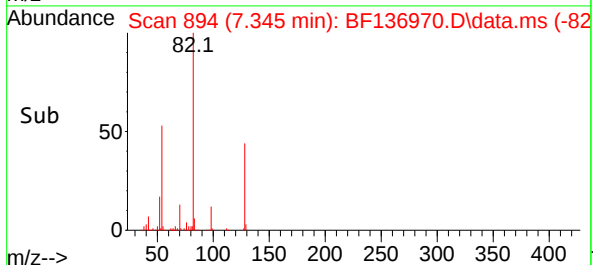
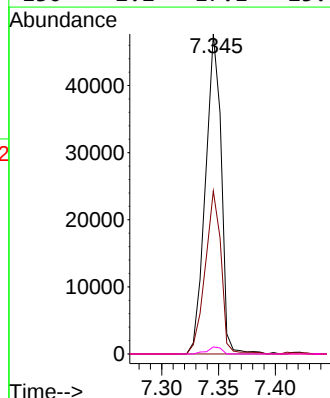
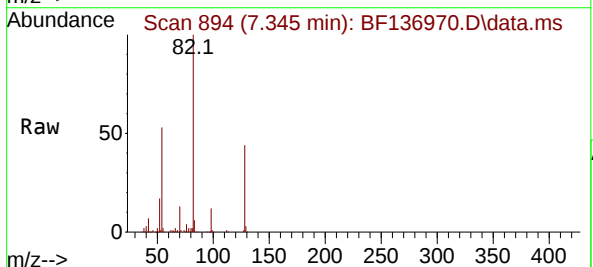
Instrument :
BNA_F
ClientSampleId :
RBR200030

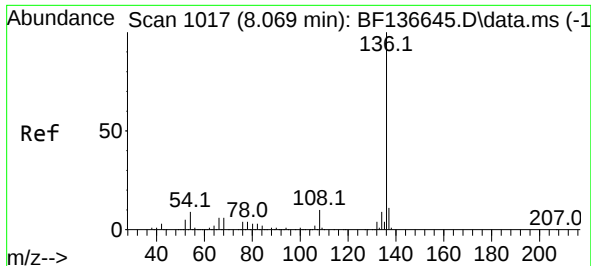
Tgt Ion: 99 Resp: 572591
Ion Ratio Lower Upper
99 100
42 18.3 16.1 24.1
71 32.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.311 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion: 70 Resp: 46071
Ion Ratio Lower Upper
70 100
42 50.9 54.2 81.4#
101 0.0 7.6 11.4#
130 2.2 17.1 25.7#



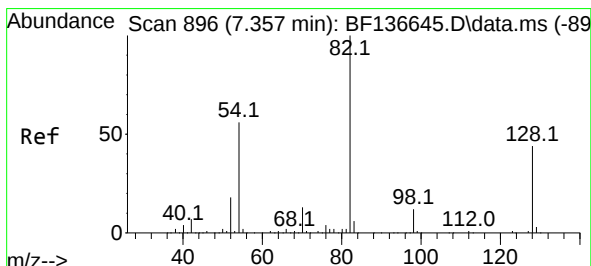
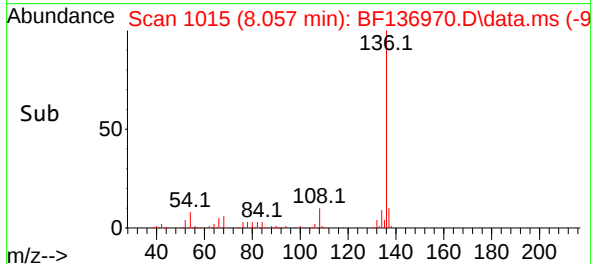
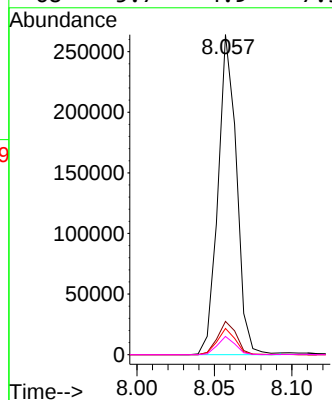
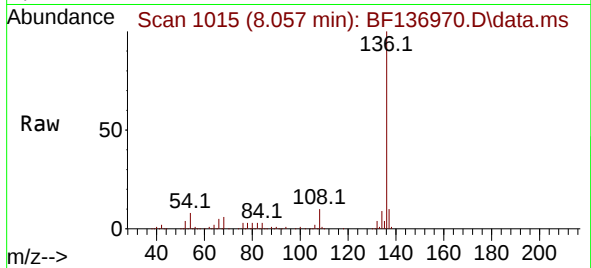


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion:136 Resp: 219440

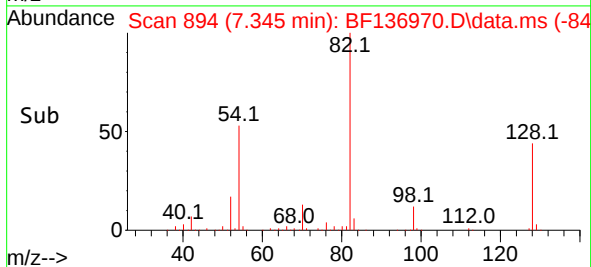
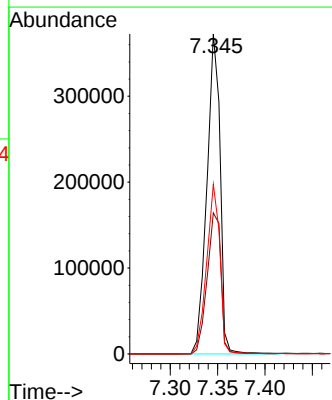
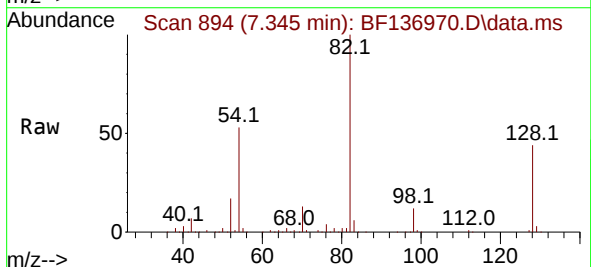
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	8.2	7.2	10.8
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 84.594 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion: 82 Resp: 362771

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.3	52.9
54	53.0	44.5	66.7

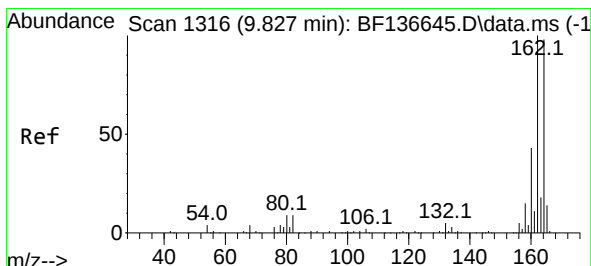
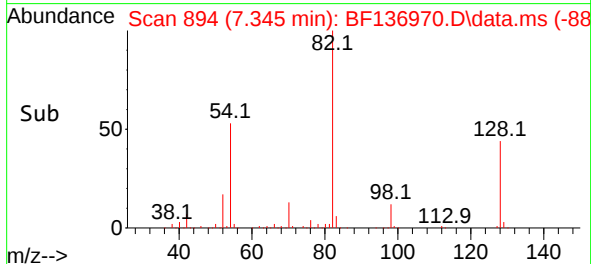
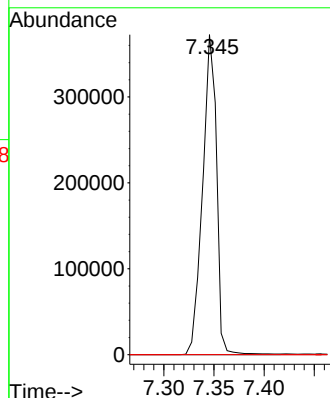
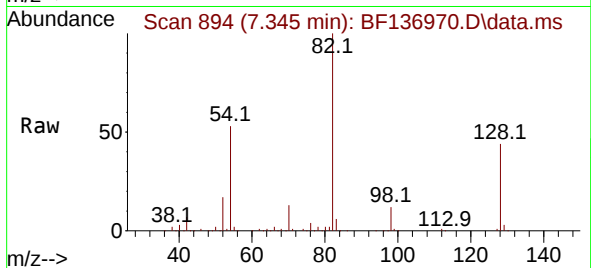




#25
Isophorone
Concen: 46.490 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

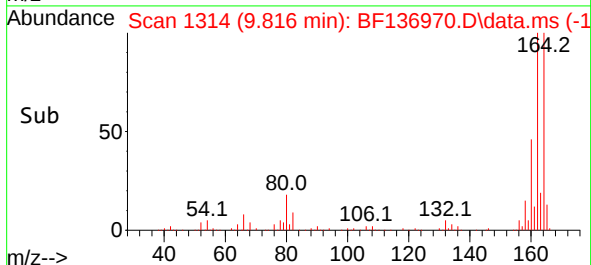
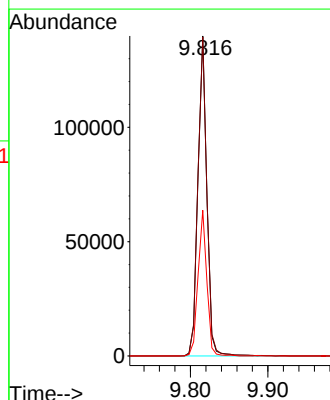
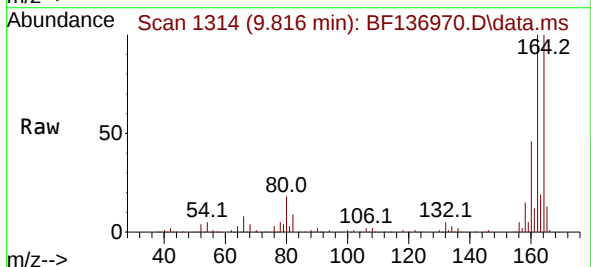
Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion: 82 Resp: 362768
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: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion:164 Resp: 111588
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 45.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 117.630 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

BNA_F

ClientSampleId :

RBR200030

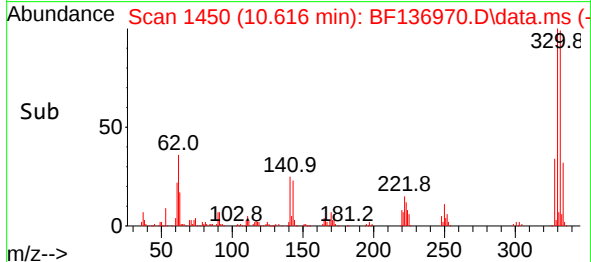
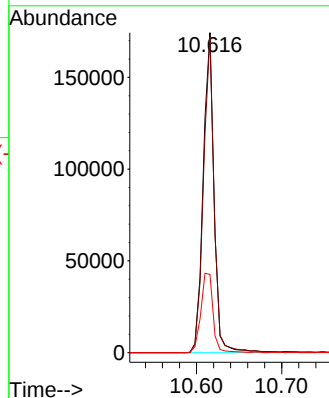
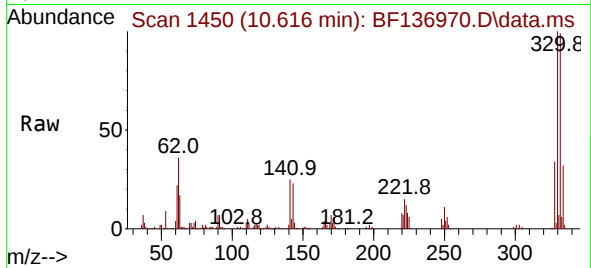
Tgt Ion:330 Resp: 154589

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 27.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 83.999 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

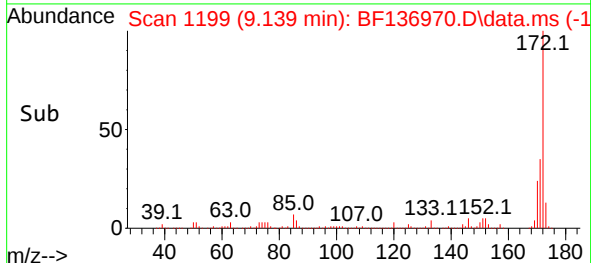
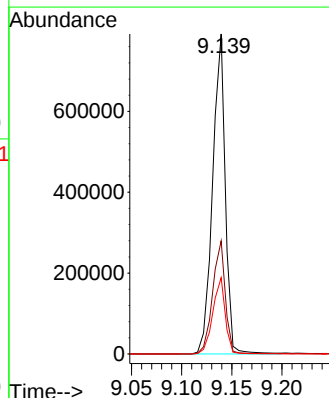
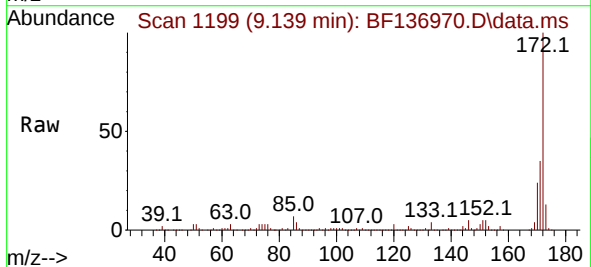
Tgt Ion:172 Resp: 696905

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 23.9 19.0 28.4

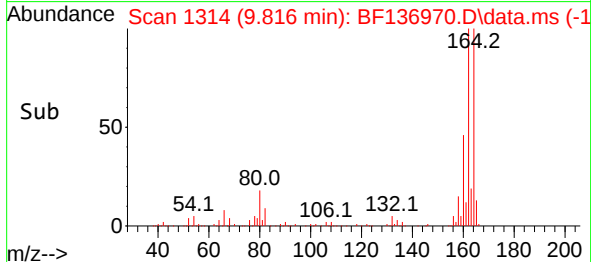
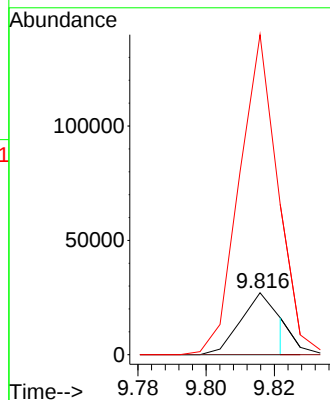
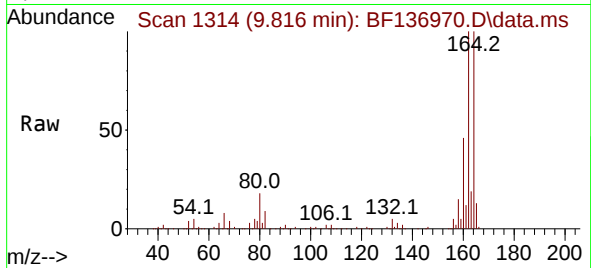




#50
Dimethylphthalate
Concen: 2.606 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

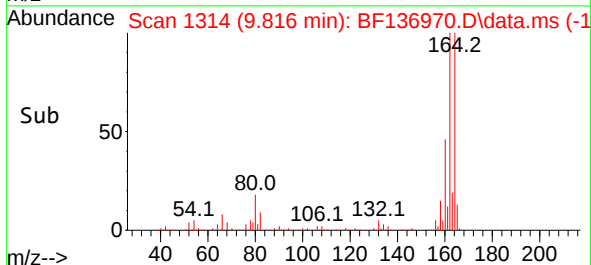
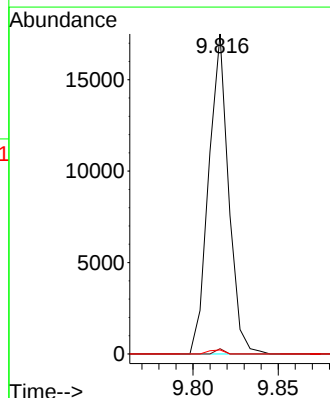
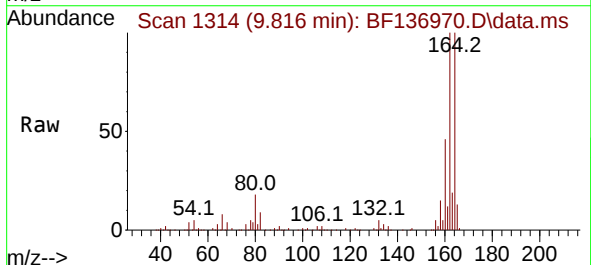
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:163 Resp: 21244
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 516.9 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.689 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion:165 Resp: 14224
Ion Ratio Lower Upper
165 100
63 1.7 39.8 59.6#
89 1.2 38.8 58.2#

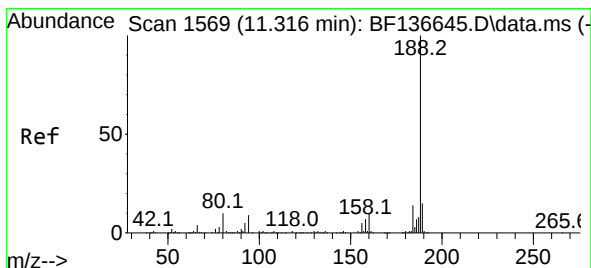
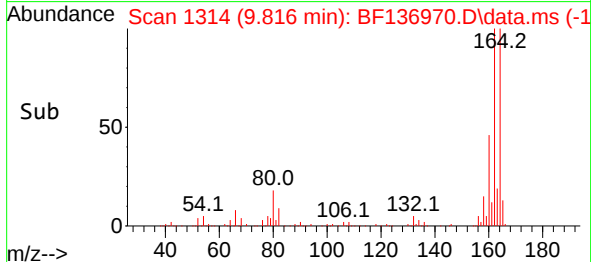
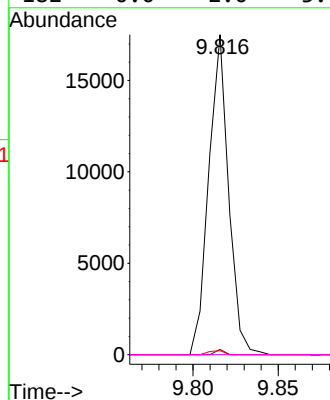
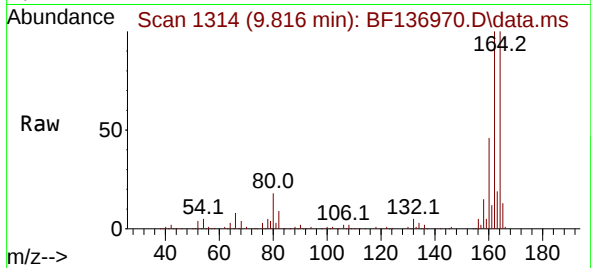




#57
2,4-Dinitrotoluene
Concen: 5.923 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

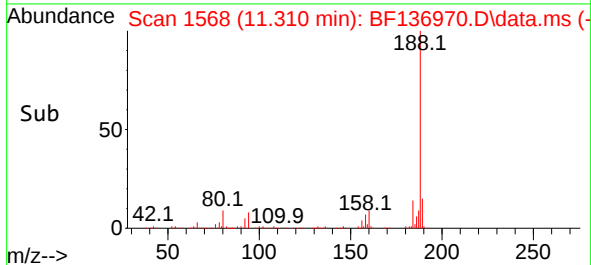
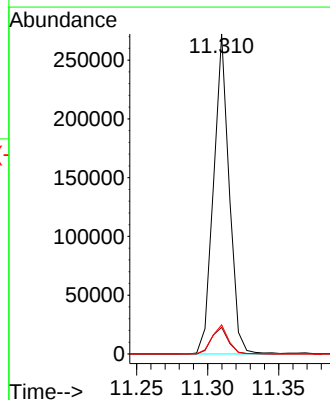
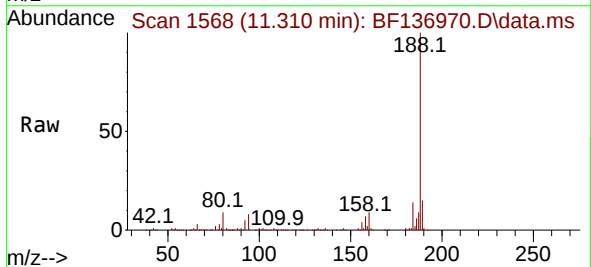
Instrument :
BNA_F
ClientSampleId :
RBR200030

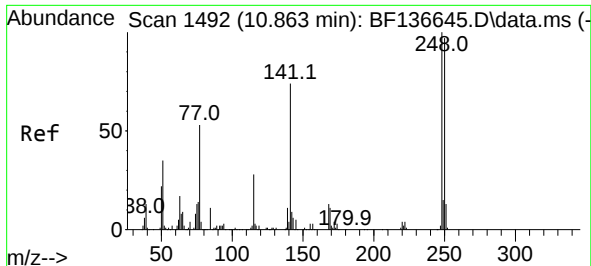
Tgt Ion:165 Resp: 14224
Ion Ratio Lower Upper
165 100
63 1.7 41.0 61.6#
89 1.2 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion:188 Resp: 208816
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.1 8.1 12.1

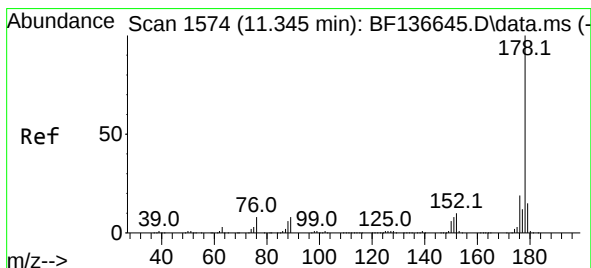
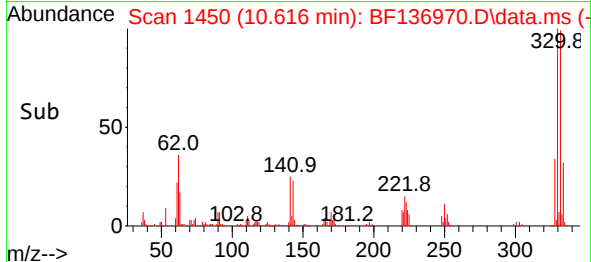
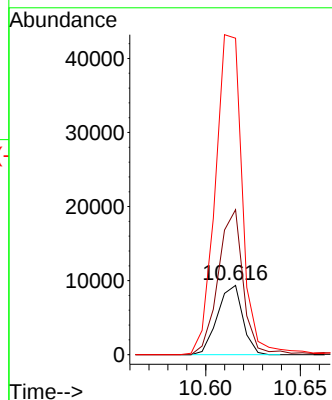
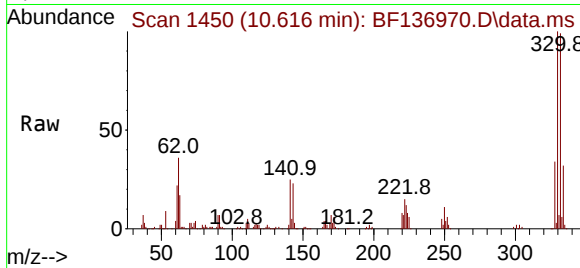




#67
4-Bromophenyl-phenylether
Concen: 3.747 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

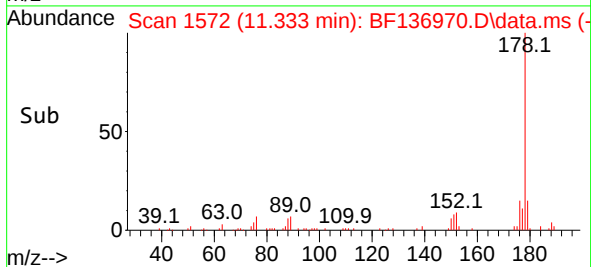
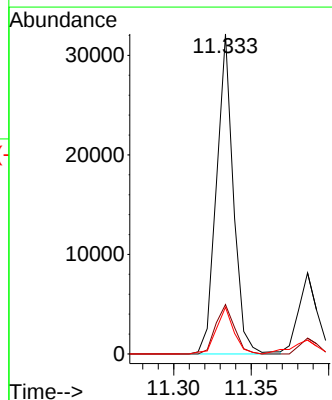
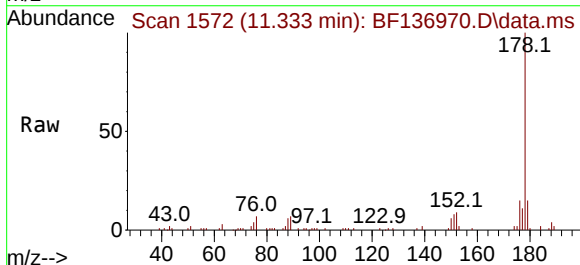
Instrument :
BNA_F
ClientSampleId :
RBR200030

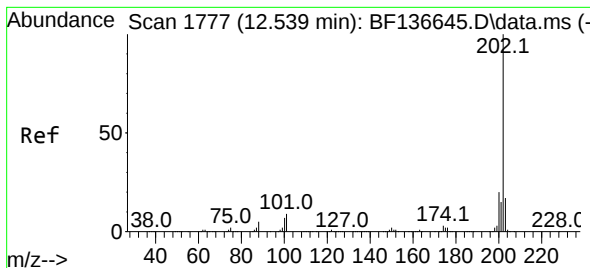
Tgt Ion:248 Resp: 8690
Ion Ratio Lower Upper
248 100
250 209.2 77.8 116.6#
141 456.9 59.2 88.8#



#71
Phenanthrene
Concen: 2.275 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion:178 Resp: 24378
Ion Ratio Lower Upper
178 100
176 15.4 15.3 22.9
179 14.6 11.9 17.9





#75

Fluoranthene

Concen: 4.616 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

BNA_F

ClientSampleId :

RBR200030

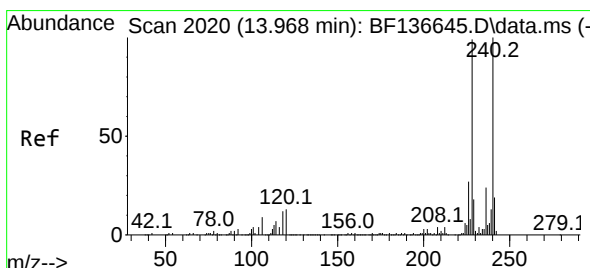
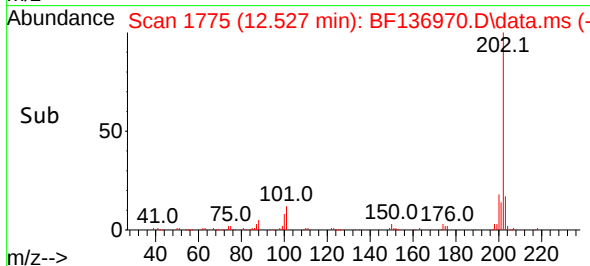
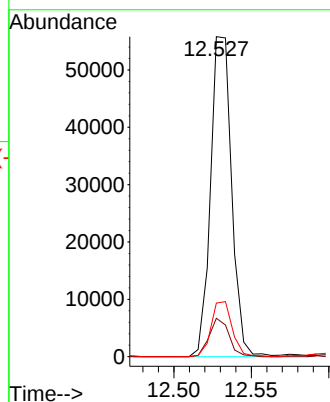
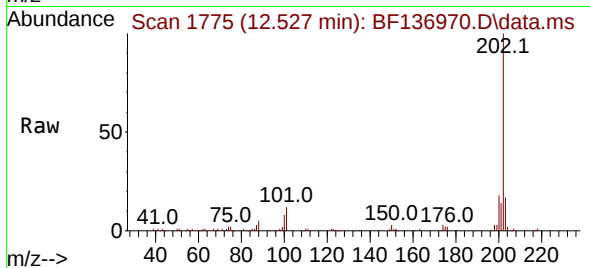
Tgt Ion:202 Resp: 52899

Ion Ratio Lower Upper

202 100

101 12.0 0.0 29.3

203 16.8 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

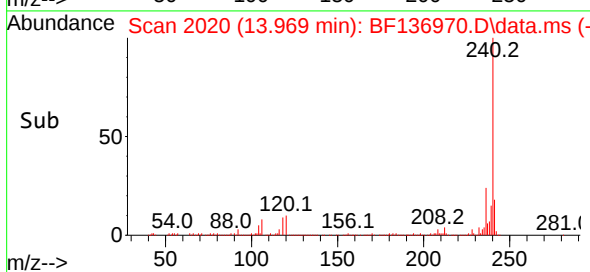
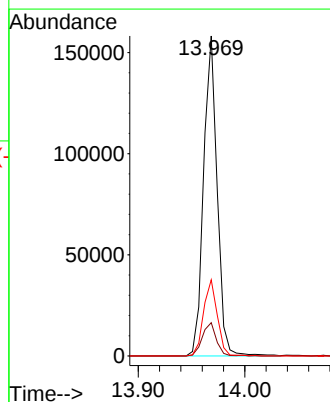
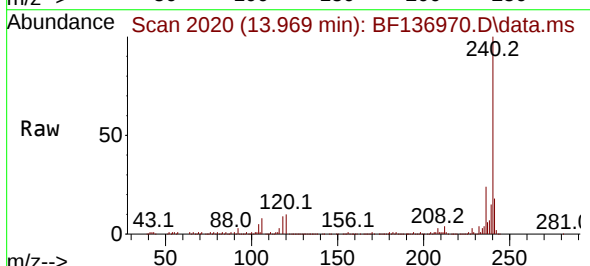
Tgt Ion:240 Resp: 140499

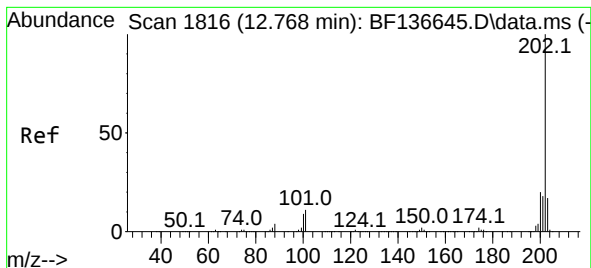
Ion Ratio Lower Upper

240 100

120 10.4 10.3 15.5

236 23.8 19.4 29.2





#78

Pyrene

Concen: 3.189 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

BNA_F

ClientSampleId :

RBR200030

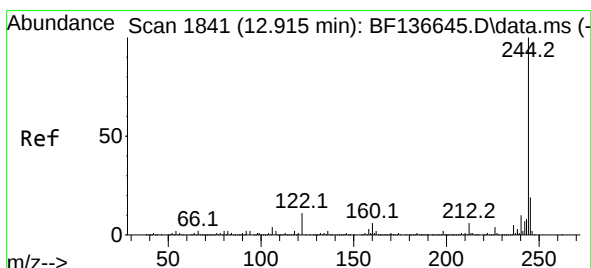
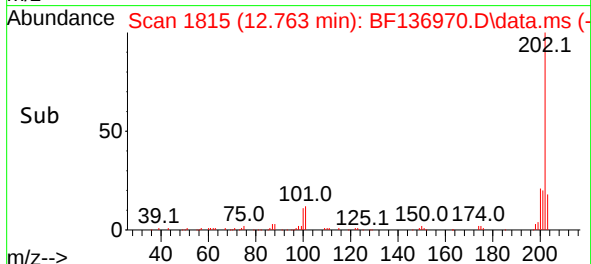
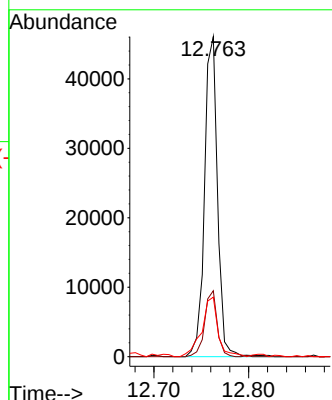
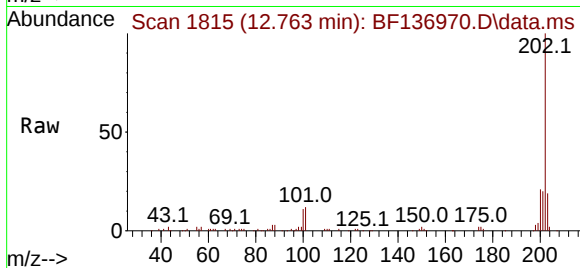
Tgt Ion:202 Resp: 43978

Ion Ratio Lower Upper

202 100

200 20.6 15.9 23.9

203 18.6 13.8 20.6



#79

Terphenyl-d14

Concen: 67.647 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

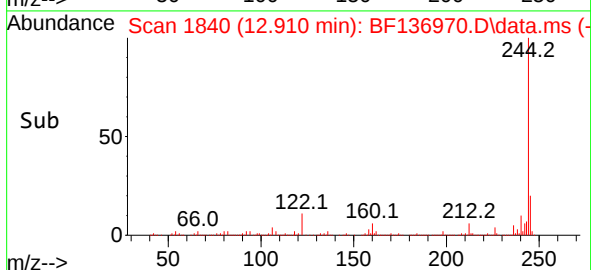
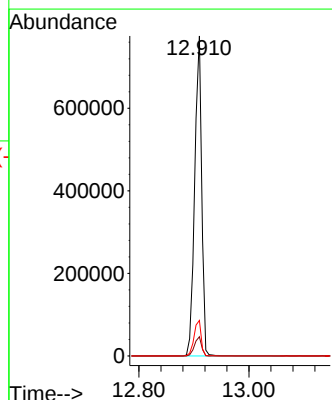
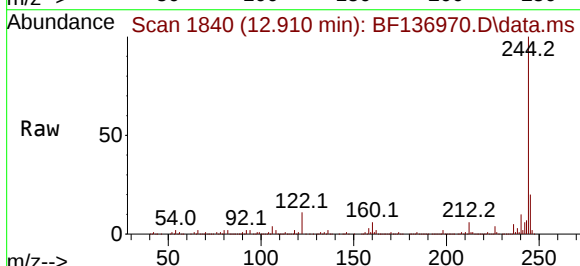
Tgt Ion:244 Resp: 680109

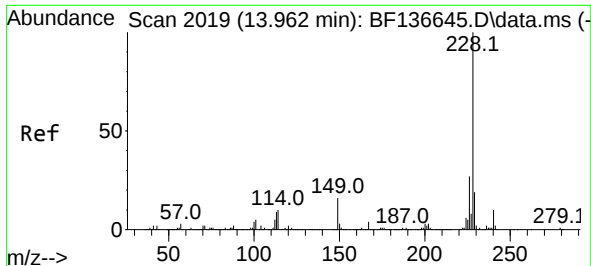
Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 11.1 9.0 13.4

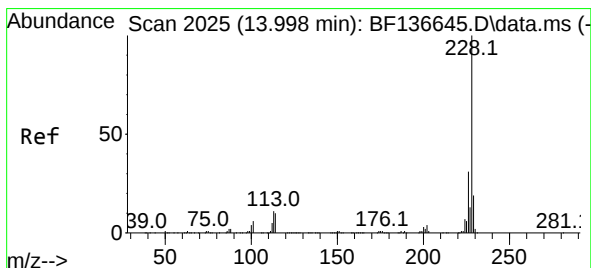
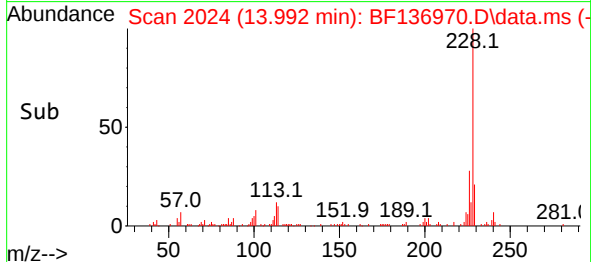
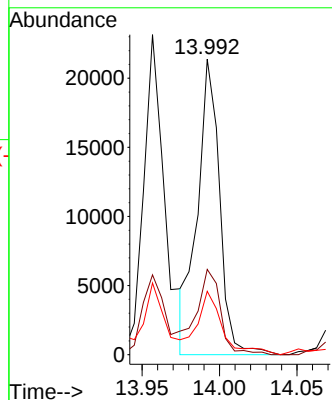
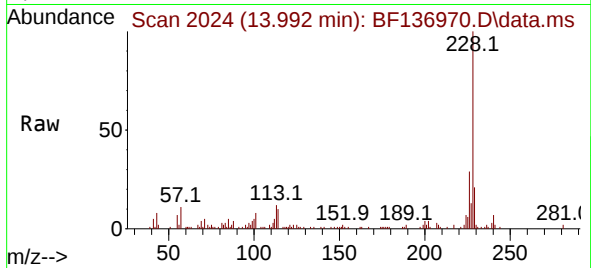




#81
Benzo(a)anthracene
Concen: 2.180 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.030 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

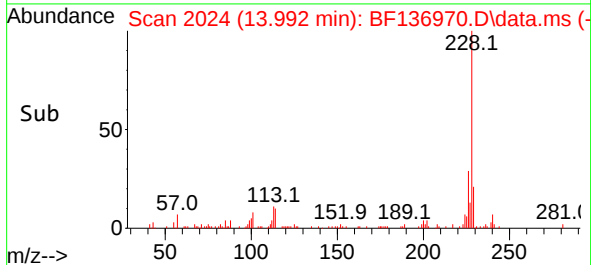
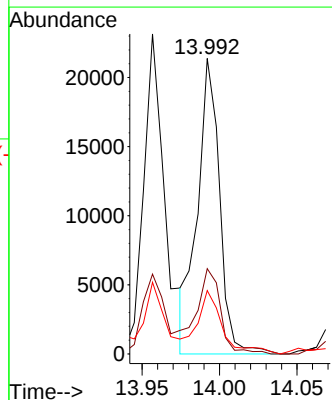
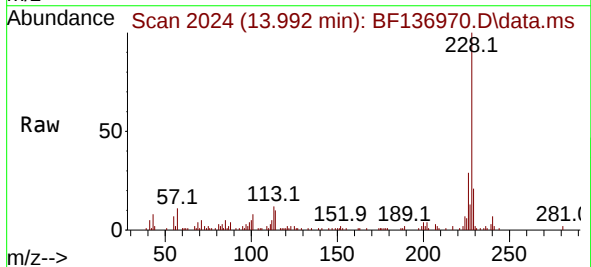
Instrument :
BNA_F
ClientSampleId :
RBR200030

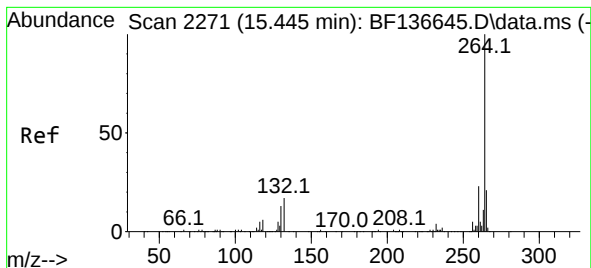
Tgt Ion:228 Resp: 21272
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.0
229 21.4 14.9 22.3



#83
Chrysene
Concen: 2.230 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136970.D
Acq: 05 Jan 2024 12:13

Tgt Ion:228 Resp: 21272
Ion Ratio Lower Upper
228 100
226 28.9 24.7 37.1
229 21.4 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

BNA_F

ClientSampleId :

RBR200030

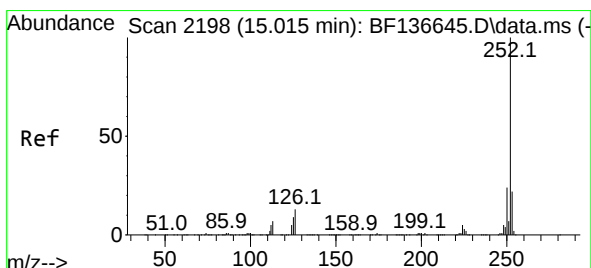
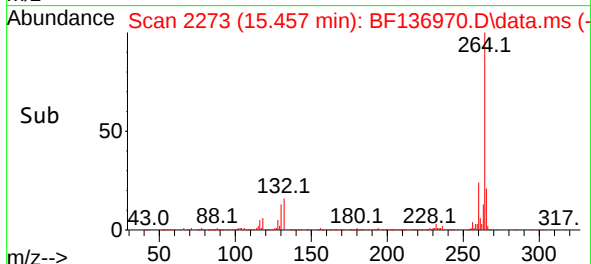
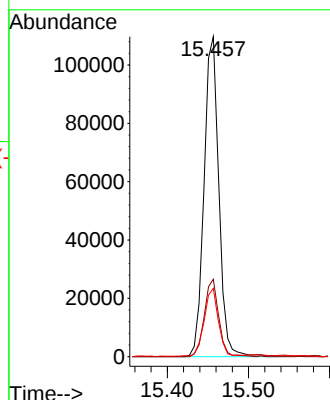
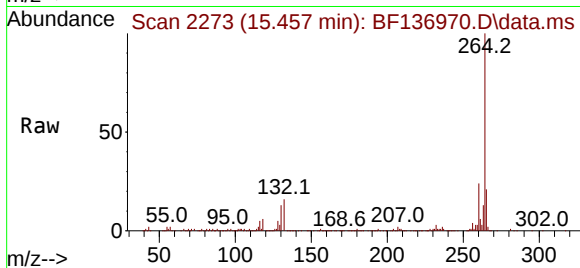
Tgt Ion:264 Resp: 138700

Ion Ratio Lower Upper

264 100

260 24.2 18.3 27.5

265 21.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.706 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

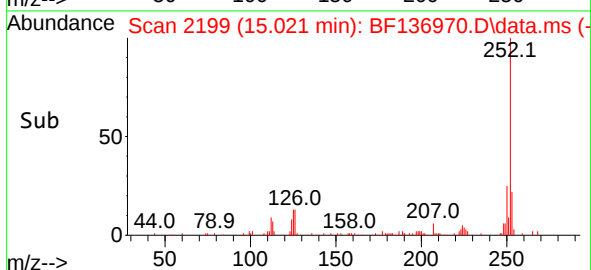
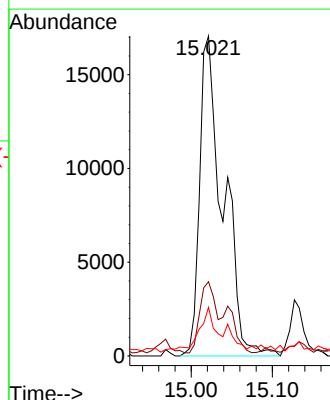
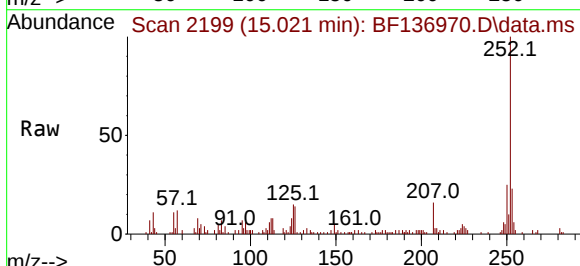
Tgt Ion:252 Resp: 34335

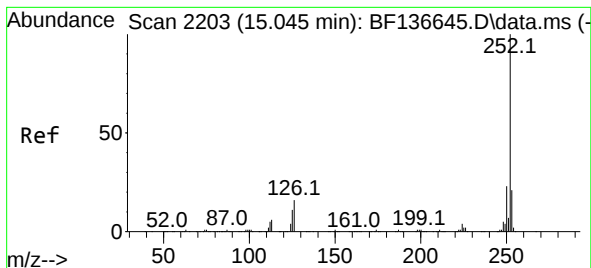
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 15.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.922 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

BNA_F

ClientSampleId :

RBR200030

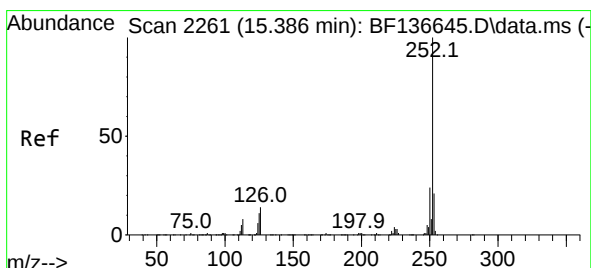
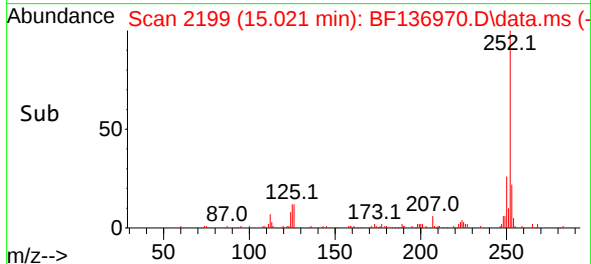
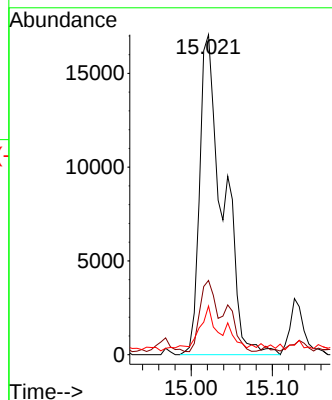
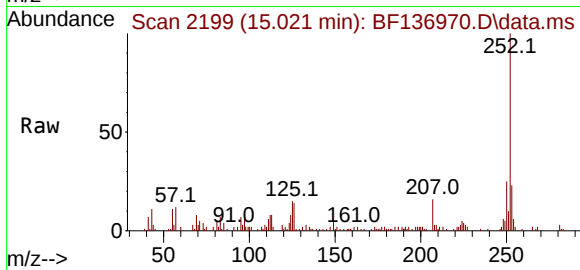
Tgt Ion:252 Resp: 34335

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 15.2 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 2.187 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Tgt Ion:252 Resp: 17100

Ion Ratio Lower Upper

252 100

253 20.6 17.0 25.6

125 11.7 8.8 13.2

