

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136959.D
 Acq On : 05 Jan 2024 00:57
 Operator : CG\JU
 Sample : 06015-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2

Quant Time: Jan 05 01:30:14 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)

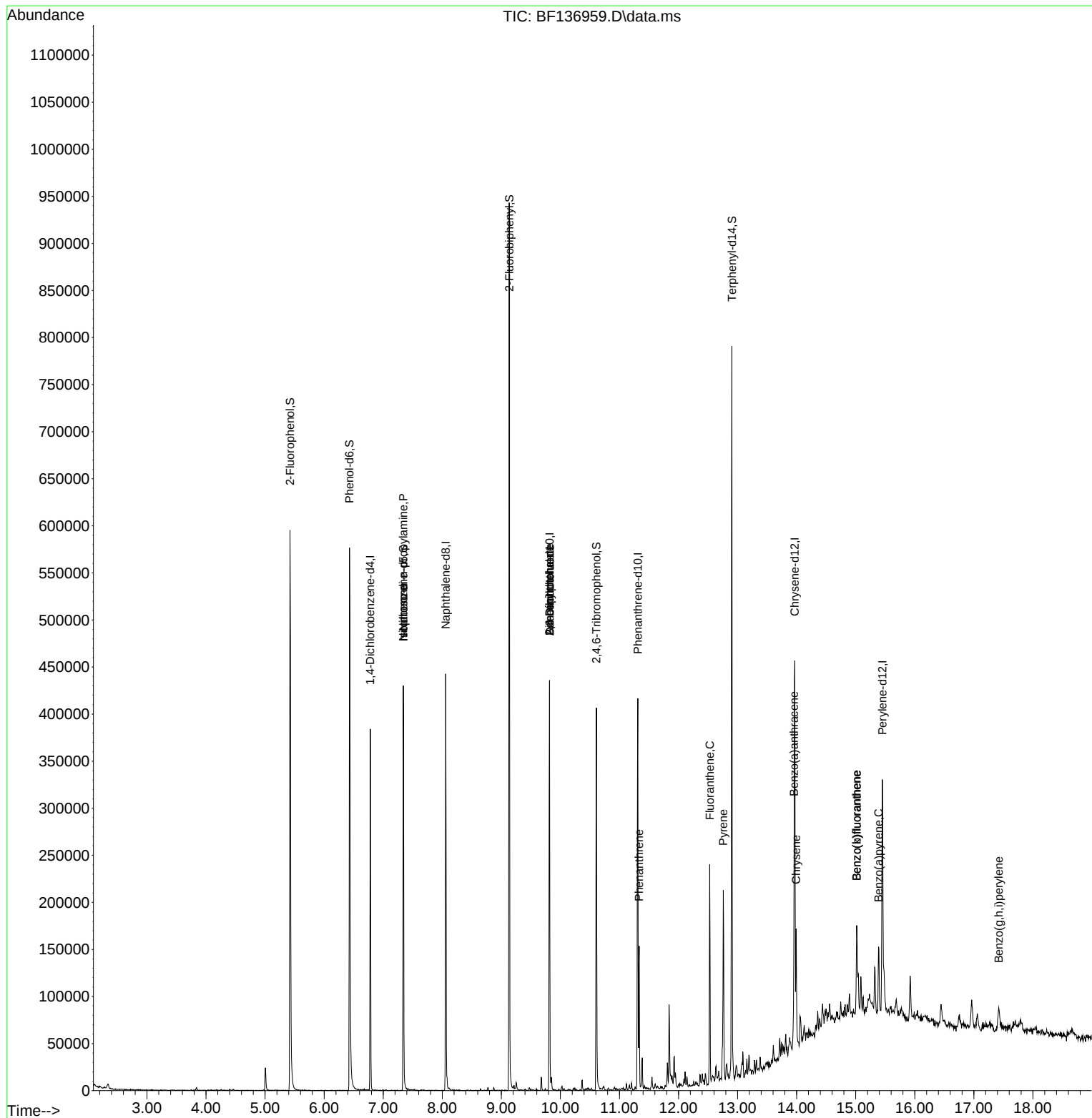
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	51184	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	180408	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	86527	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	150992	20.000	ng	0.00
76) Chrysene-d12	13.969	240	126661	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	116471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	172844	52.689	ng	0.00
7) Phenol-d6	6.428	99	213210	50.160	ng	-0.01
23) Nitrobenzene-d5	7.340	82	127566	36.183	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	51815	50.846	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	270859	42.103	ng	-0.02
79) Terphenyl-d14	12.904	244	259752	28.659	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	16287	6.321	ng	# 74
25) Isophorone	7.340	82	127564	19.885	ng	# 65
50) Dimethylphthalate	9.816	163	16413	2.597	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11093	7.734	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	11093	5.957	ng	# 19
71) Phenanthrene	11.333	178	55643	7.182	ng	98
75) Fluoranthene	12.527	202	87813	10.596	ng	97
78) Pyrene	12.757	202	82980	6.674	ng	99
81) Benzo(a)anthracene	13.957	228	49952	5.679	ng	97
83) Chrysene	13.992	228	43177	5.020	ng	97
88) Benzo(b)fluoranthene	15.016	252	68636	8.823	ng	# 96
89) Benzo(k)fluoranthene	15.016	252	68636	9.337	ng	# 97
90) Benzo(a)pyrene	15.386	252	33030	5.030	ng	95
92) Benzo(g,h,i)perylene	17.421	276	17257	2.442	ng	# 94

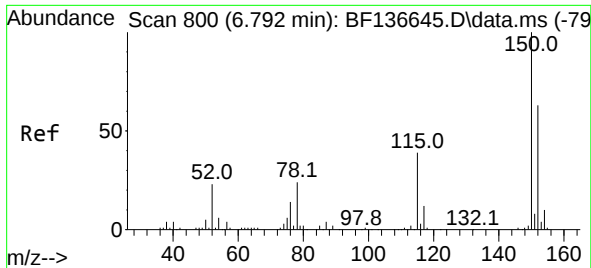
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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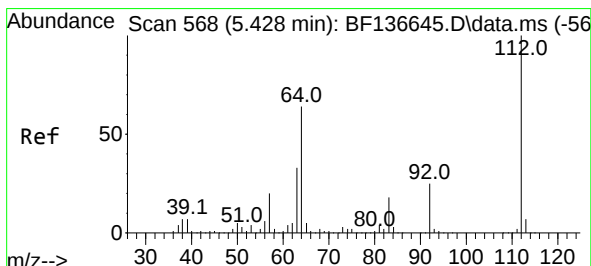
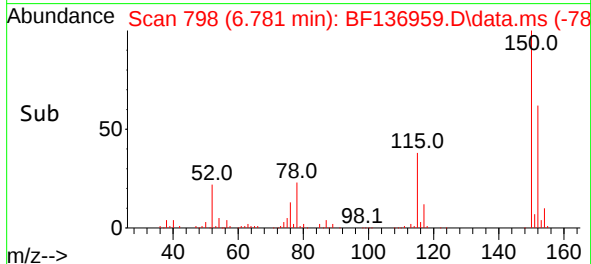
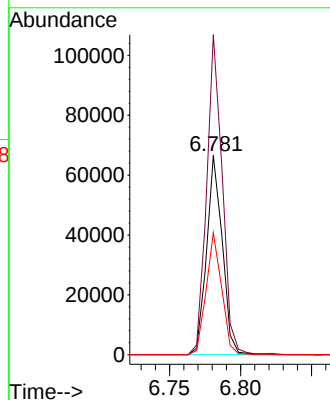
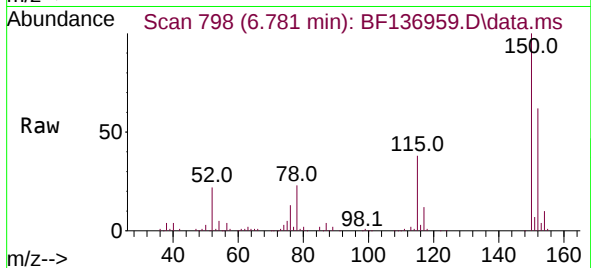




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

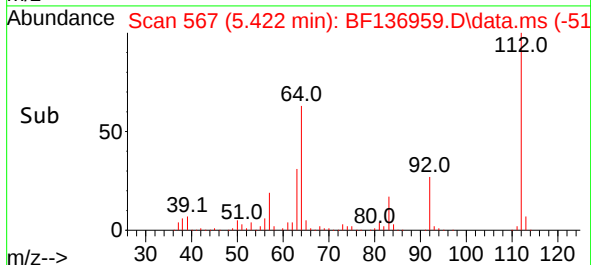
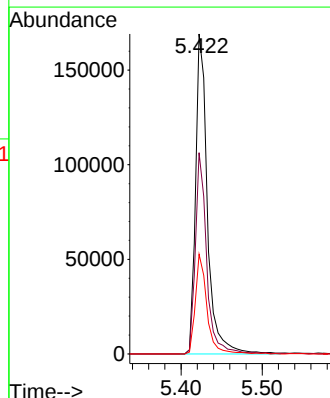
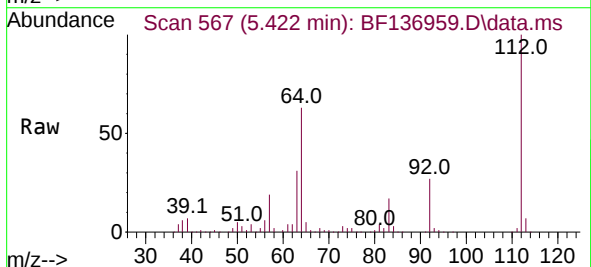
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

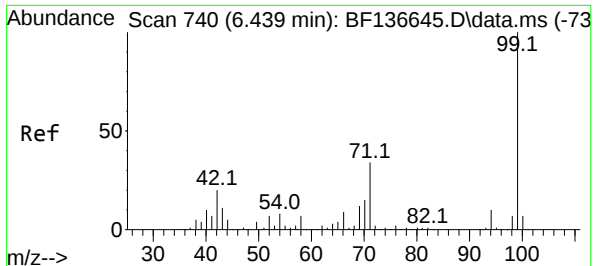
Tgt Ion:152 Resp: 51184
Ion Ratio Lower Upper
152 100
150 160.6 127.0 190.6
115 61.2 49.0 73.4



#5
2-Fluorophenol
Concen: 52.689 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

Tgt Ion:112 Resp: 172844
Ion Ratio Lower Upper
112 100
64 62.9 51.1 76.7
63 31.1 26.1 39.1

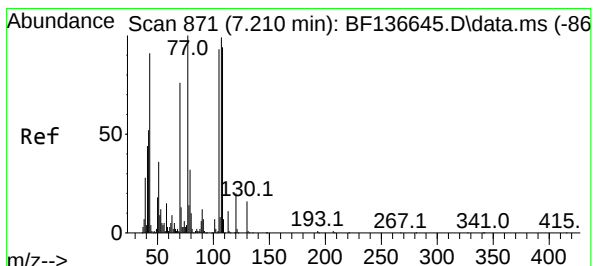
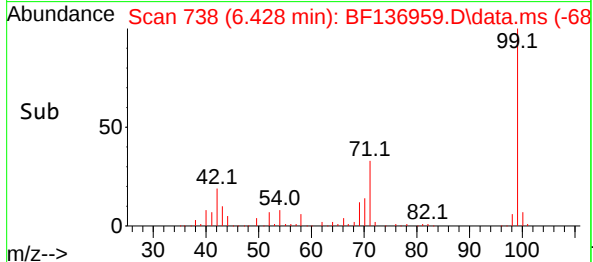
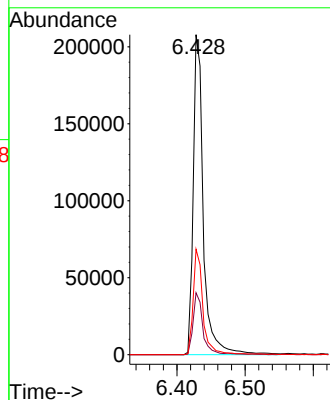
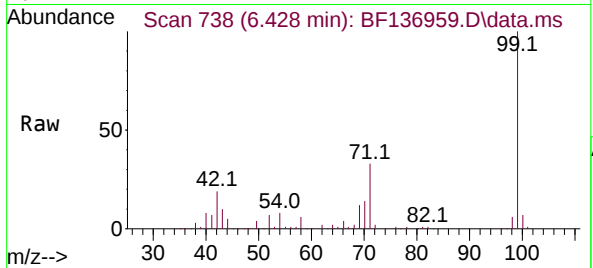




#7
Phenol-d6
Concen: 50.160 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

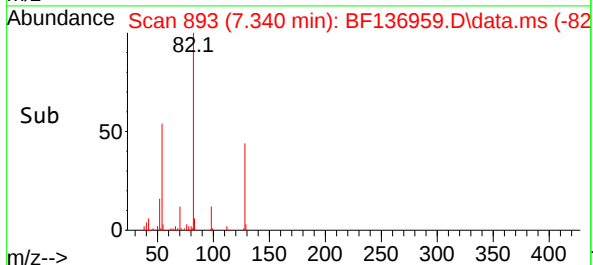
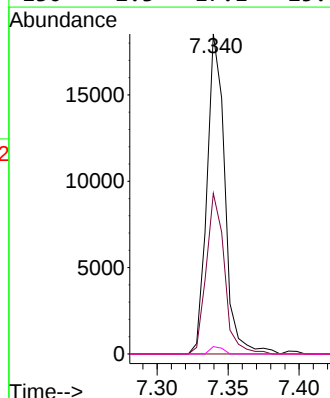
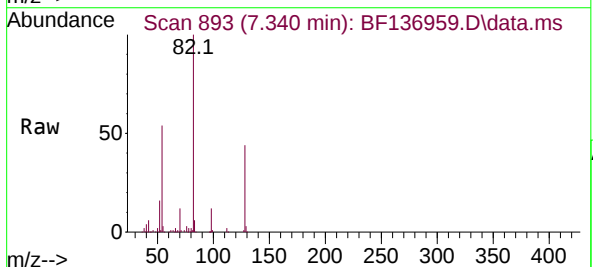
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

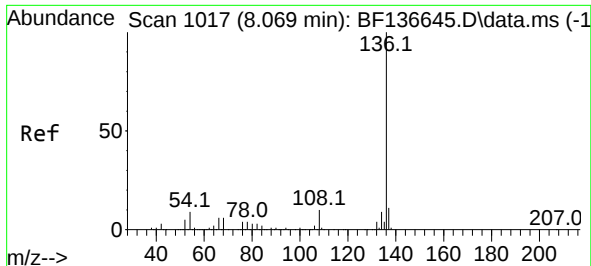
Tgt Ion: 99 Resp: 213210
Ion Ratio Lower Upper
99 100
42 19.3 16.1 24.1
71 32.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 6.321 ng
RT: 7.340 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

Tgt Ion: 70 Resp: 16287
Ion Ratio Lower Upper
70 100
42 50.2 54.2 81.4#
101 0.0 7.6 11.4#
130 2.3 17.1 25.7#

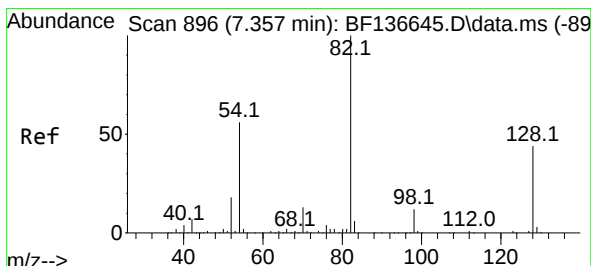
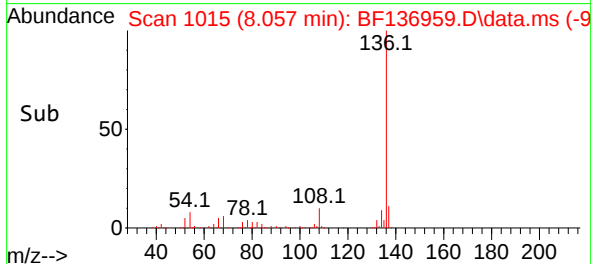
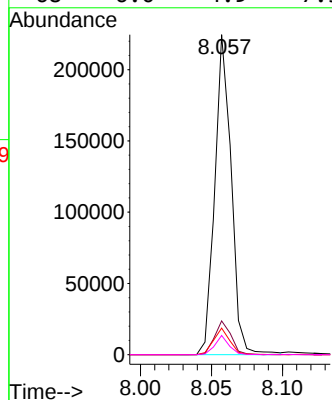
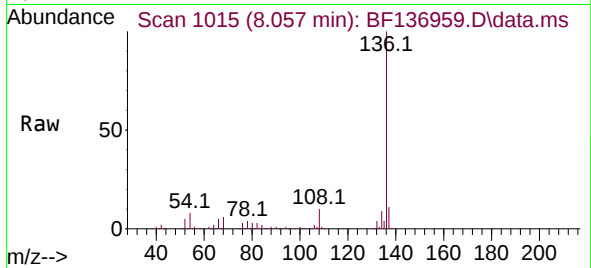




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

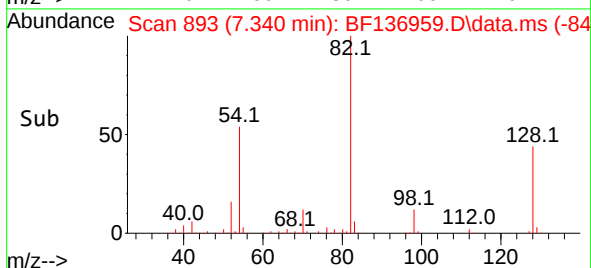
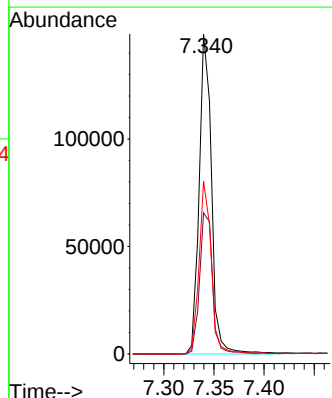
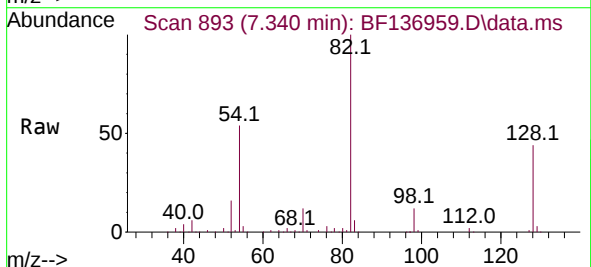
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

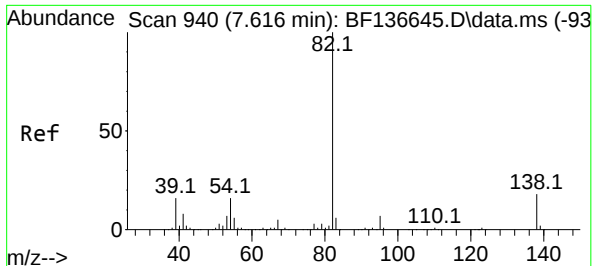
Tgt Ion:	136	Resp:	180408
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	8.3	7.2	10.8
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 36.183 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

Tgt Ion:	82	Resp:	127566
Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.3	52.9
54	54.1	44.5	66.7

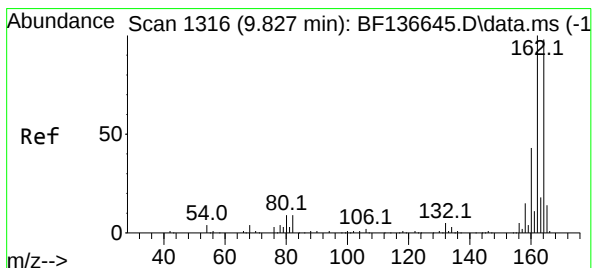
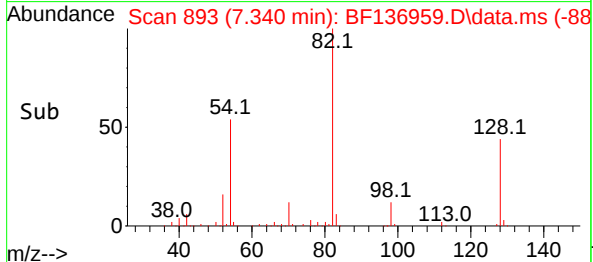
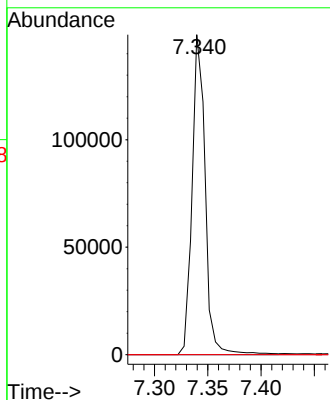
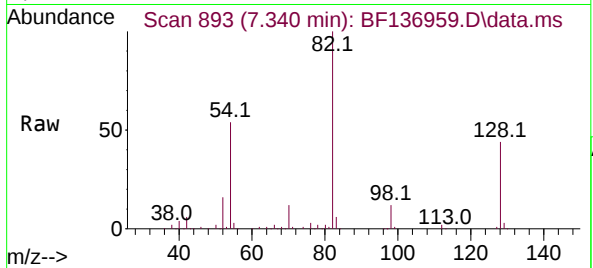




#25
Isophorone
Concen: 19.885 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

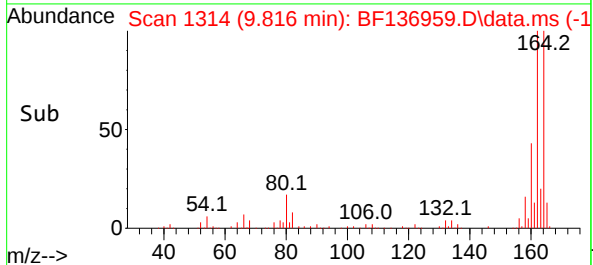
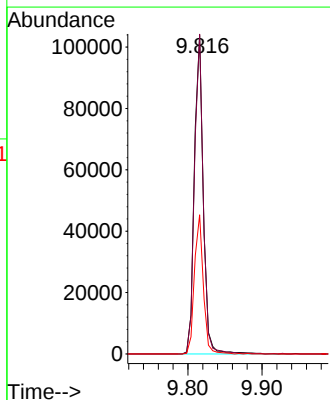
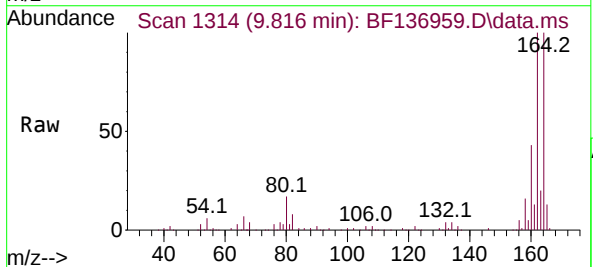
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

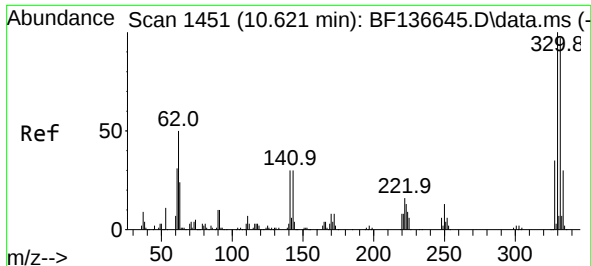
Tgt Ion: 82 Resp: 127564
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

Tgt Ion:164 Resp: 86527
Ion Ratio Lower Upper
164 100
162 100.4 81.6 122.4
160 43.7 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 50.846 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

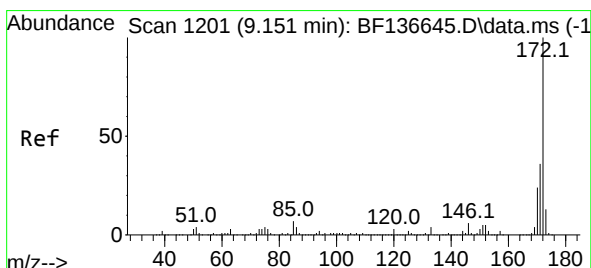
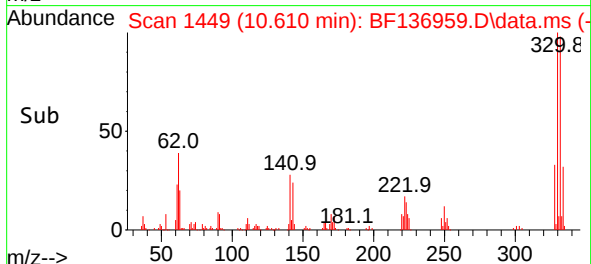
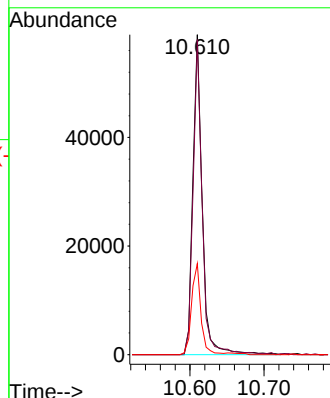
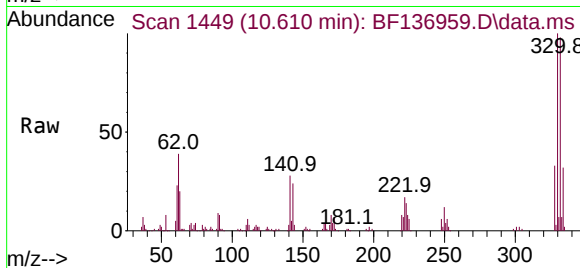
Tgt Ion:330 Resp: 51815

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

141 28.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 42.103 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

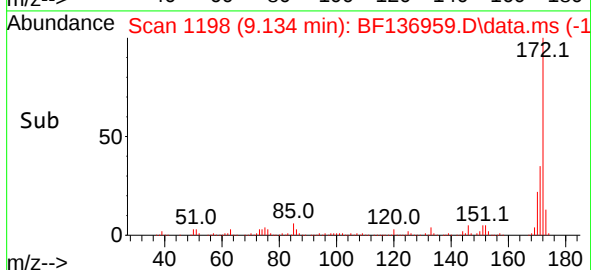
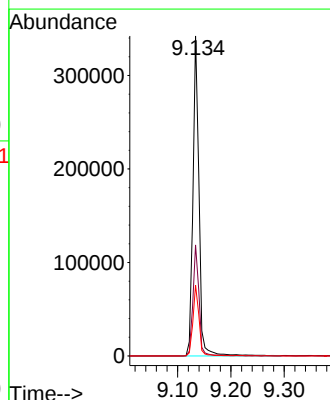
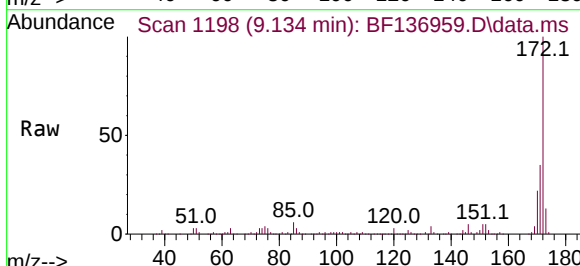
Tgt Ion:172 Resp: 270859

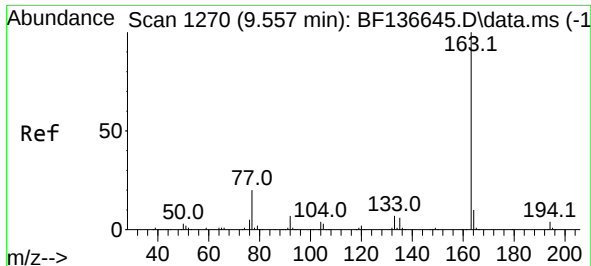
Ion Ratio Lower Upper

172 100

171 34.7 29.0 43.6

170 22.2 19.0 28.4

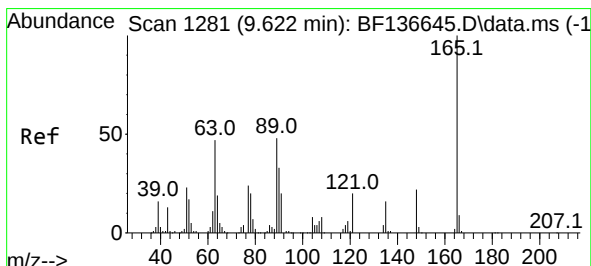
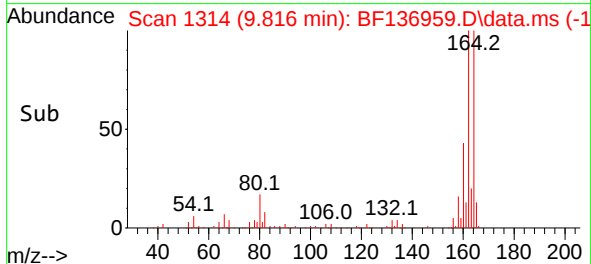
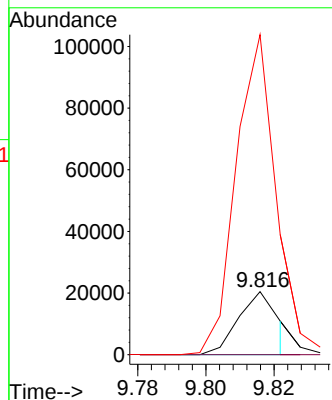
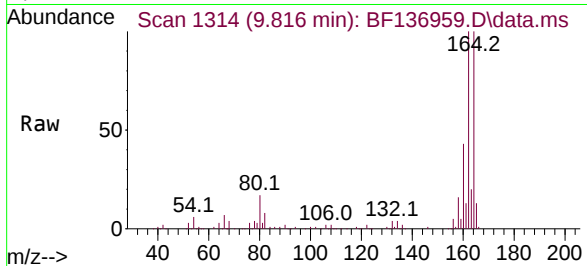




#50
Dimethylphthalate
Concen: 2.597 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

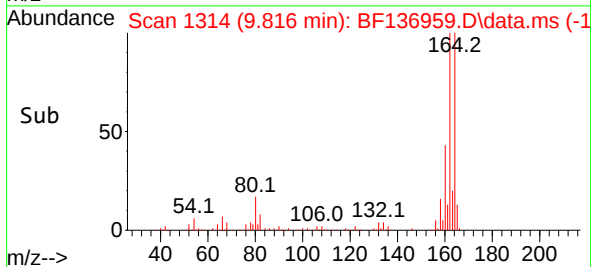
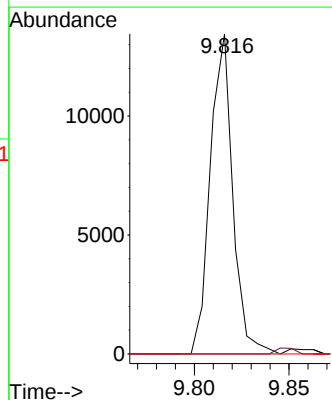
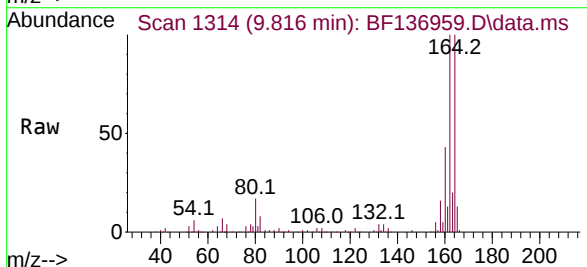
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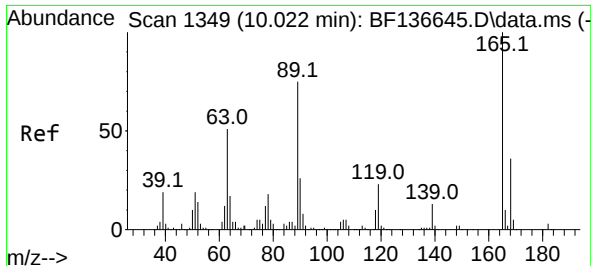
Tgt Ion:163 Resp: 16413
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 507.6 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.734 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

Tgt Ion:165 Resp: 11093
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 38.8 58.2#

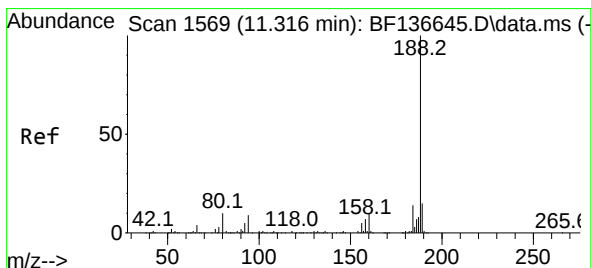
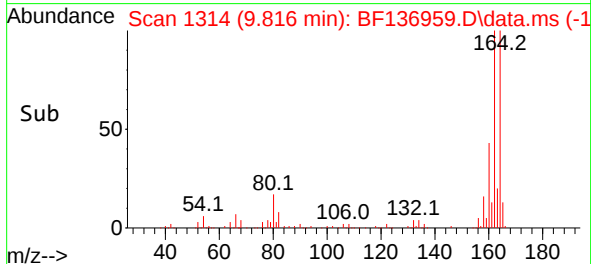
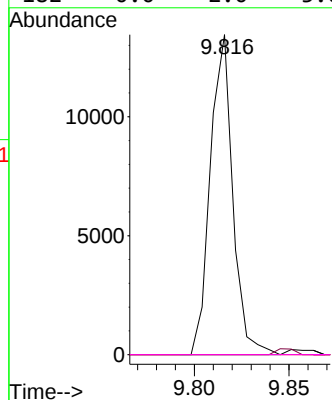
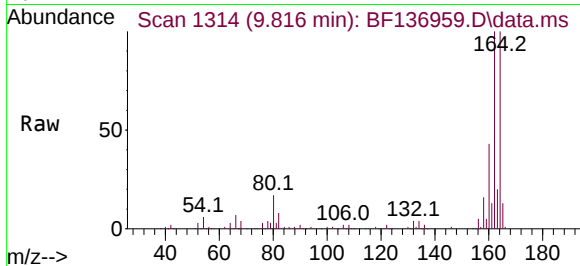




#57
2,4-Dinitrotoluene
Concen: 5.957 ng
RT: 9.816 min Scan# 11093
Delta R.T. -0.206 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

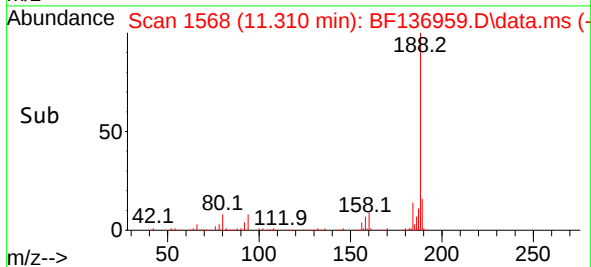
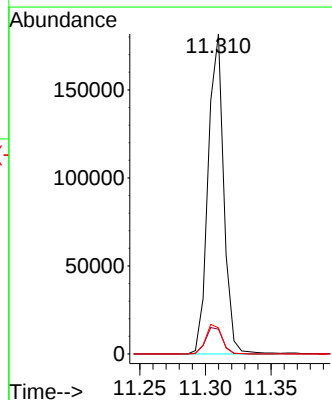
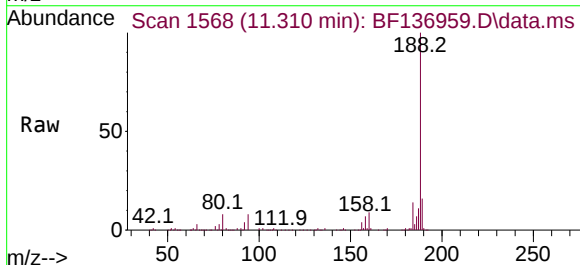
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

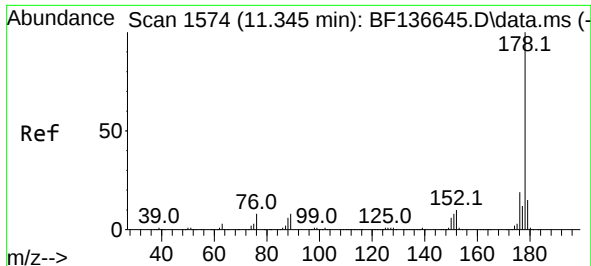
Tgt Ion:	165	Resp:	11093
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	0.0	59.9	89.9#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

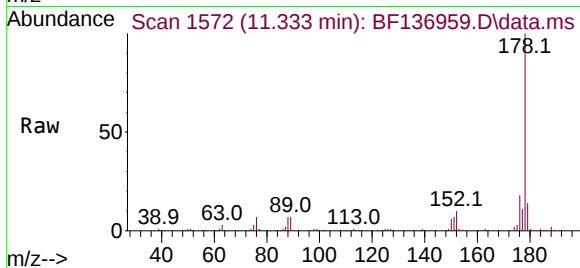
Tgt Ion:	188	Resp:	150992
Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.5	11.3
80	8.2	8.1	12.1



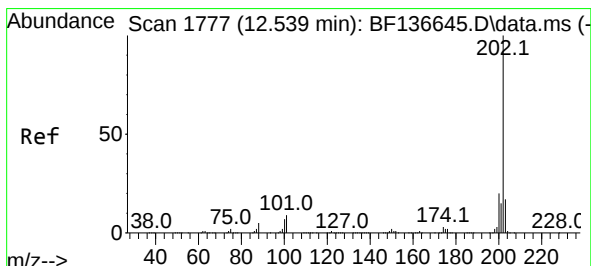
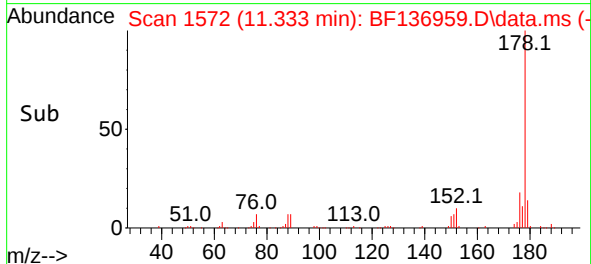
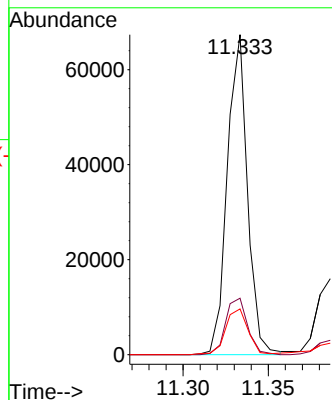


#71
Phenanthrene
Concen: 7.182 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

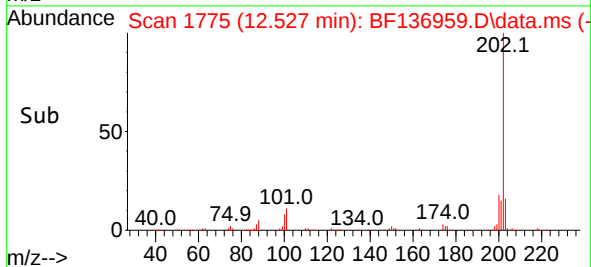
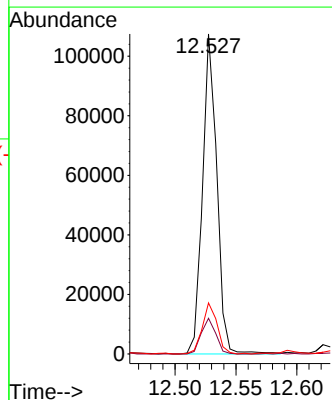
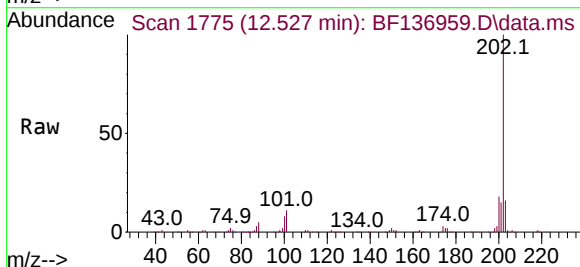


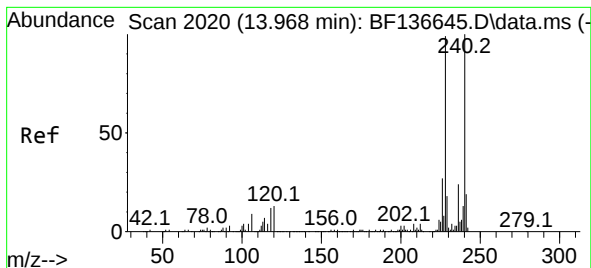
Tgt Ion:178 Resp: 55643
Ion Ratio Lower Upper
178 100
176 17.6 15.3 22.9
179 14.3 11.9 17.9



#75
Fluoranthene
Concen: 10.596 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136959.D
Acq: 05 Jan 2024 00:57

Tgt Ion:202 Resp: 87813
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.3
203 16.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

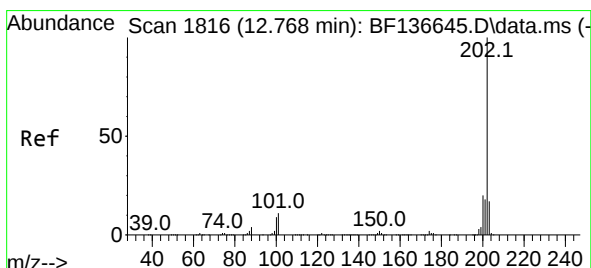
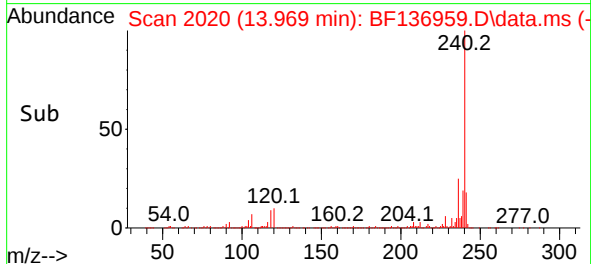
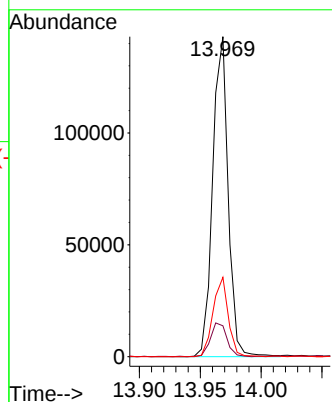
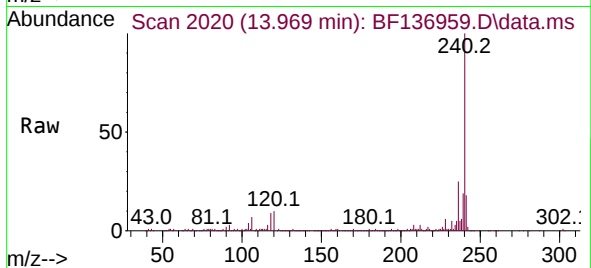
Tgt Ion:240 Resp: 126661

Ion Ratio Lower Upper

240 100

120 9.6 10.3 15.5#

236 24.8 19.4 29.2



#78

Pyrene

Concen: 6.674 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

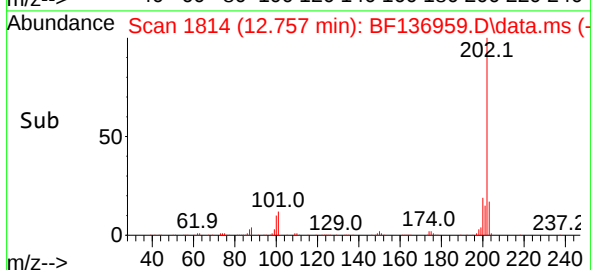
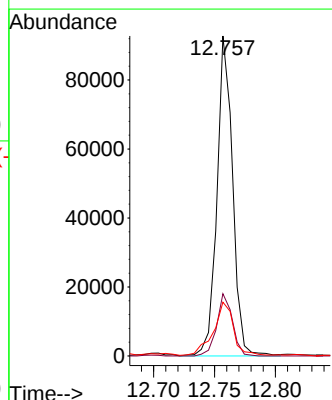
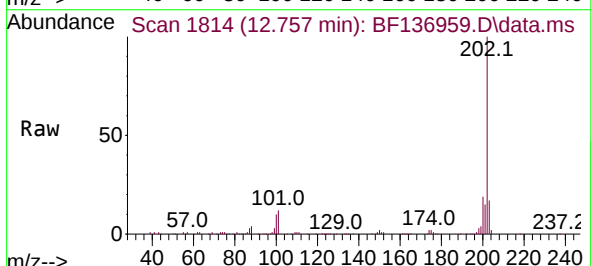
Tgt Ion:202 Resp: 82980

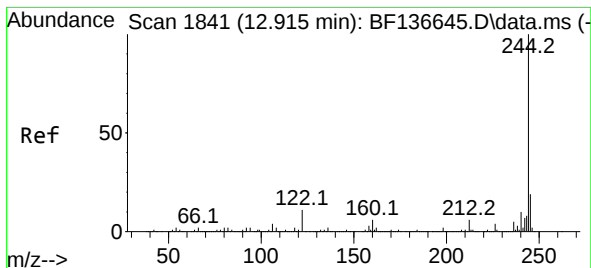
Ion Ratio Lower Upper

202 100

200 19.5 15.9 23.9

203 16.8 13.8 20.6





#79

Terphenyl-d14

Concen: 28.659 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

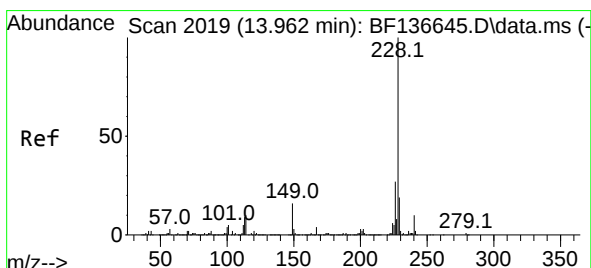
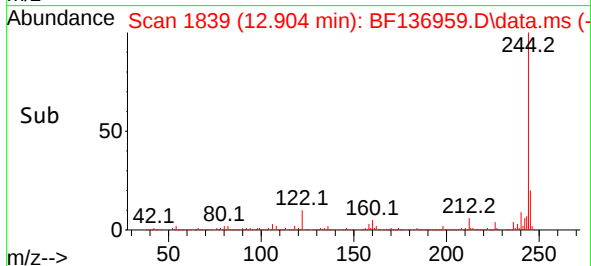
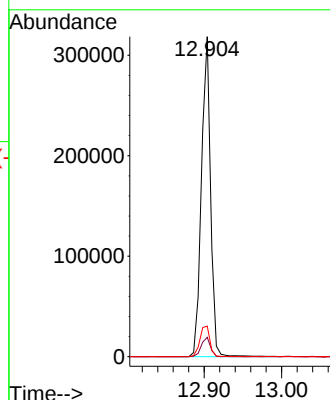
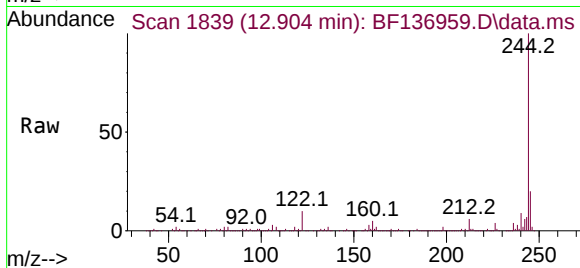
Tgt Ion:244 Resp: 259752

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 9.6 9.0 13.4



#81

Benzo(a)anthracene

Concen: 5.679 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

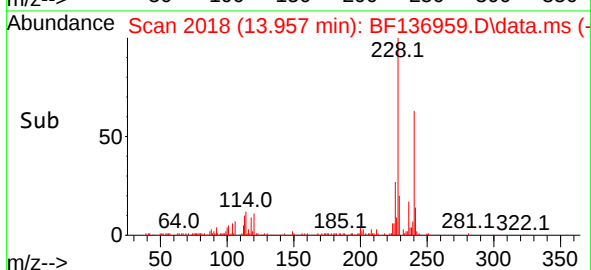
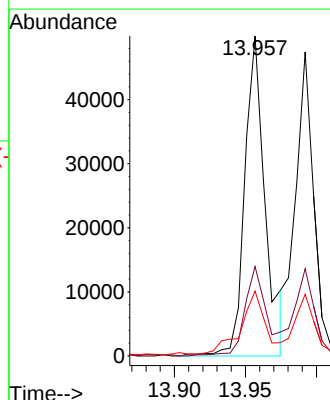
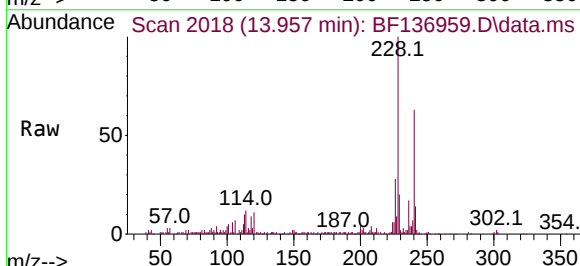
Tgt Ion:228 Resp: 49952

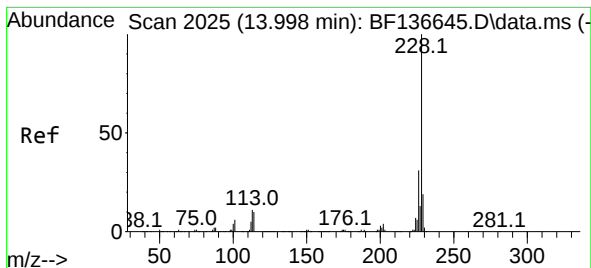
Ion Ratio Lower Upper

228 100

226 28.0 21.4 32.0

229 20.3 14.9 22.3





#83

Chrysene

Concen: 5.020 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

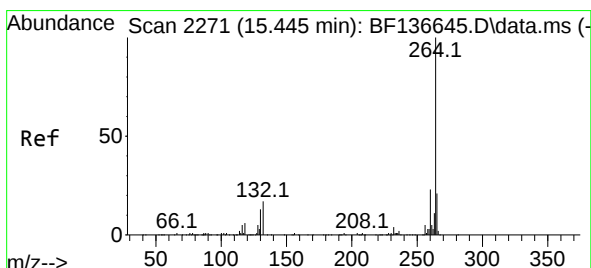
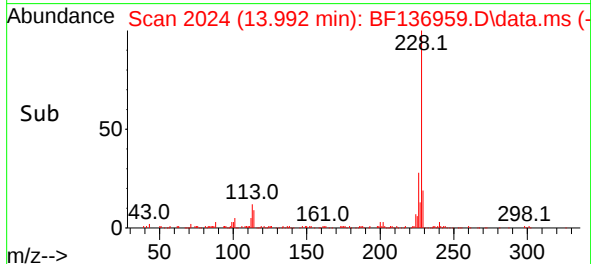
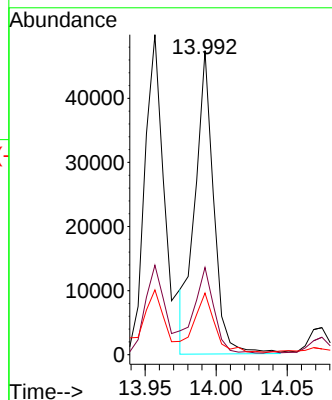
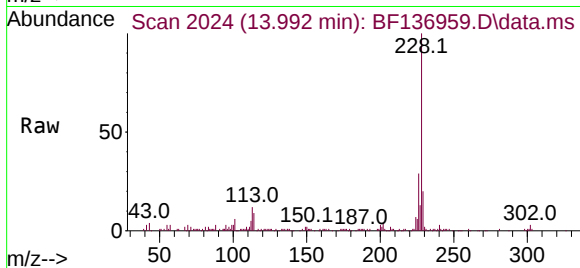
Tgt Ion:228 Resp: 43177

Ion Ratio Lower Upper

228 100

226 28.7 24.7 37.1

229 20.3 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

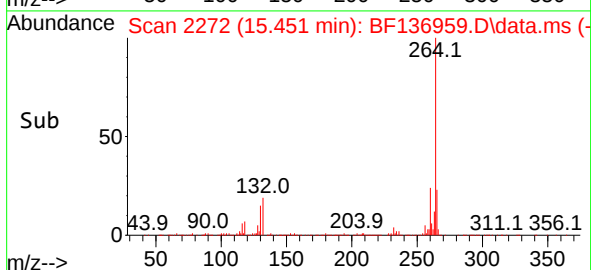
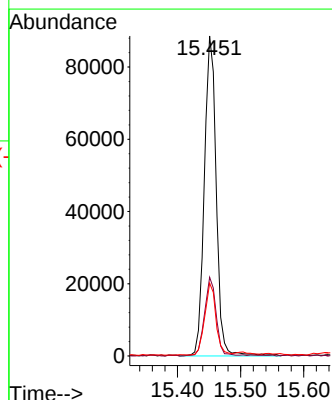
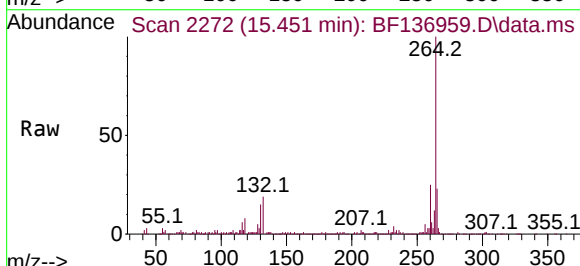
Tgt Ion:264 Resp: 116471

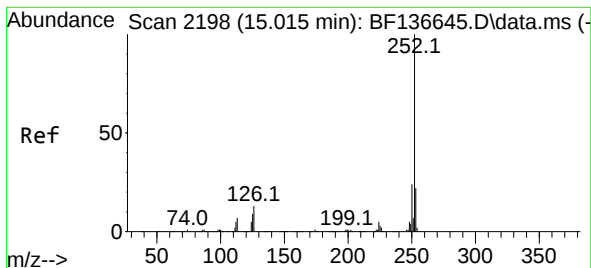
Ion Ratio Lower Upper

264 100

260 24.6 18.3 27.5

265 22.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 8.823 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

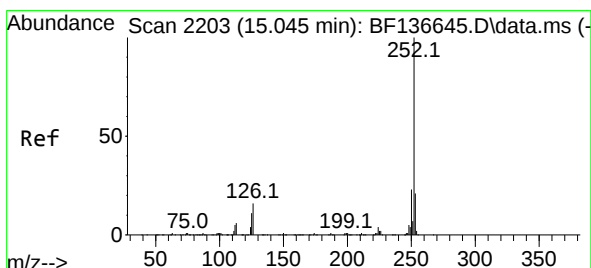
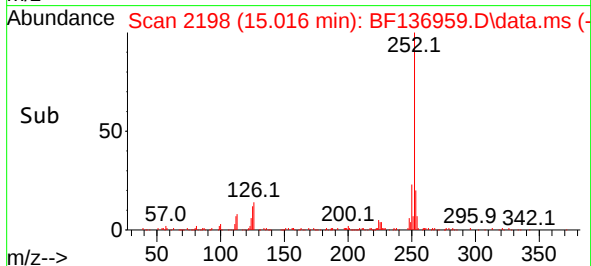
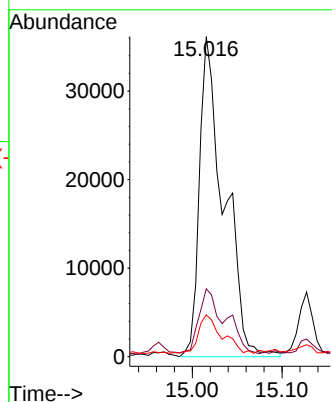
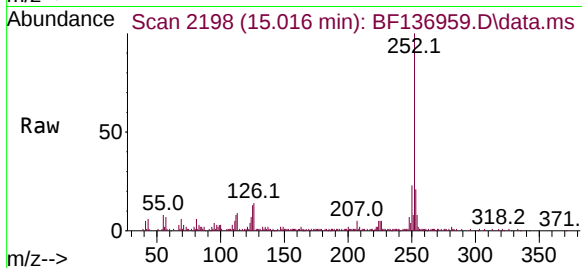
Tgt Ion:252 Resp: 68636

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 13.1 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 9.337 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

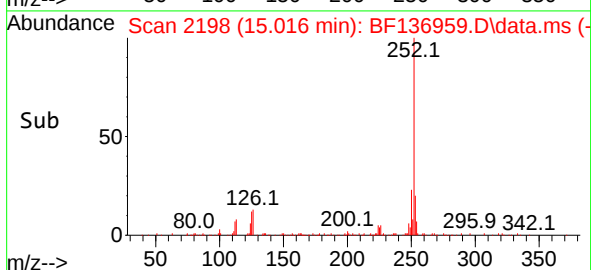
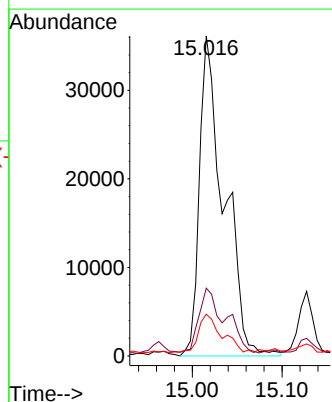
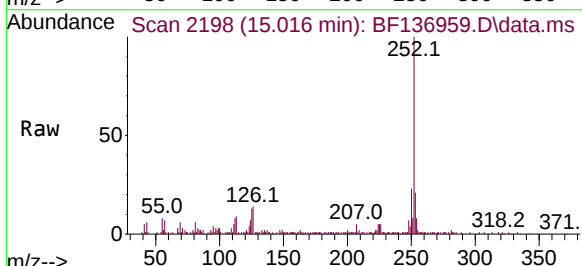
Tgt Ion:252 Resp: 68636

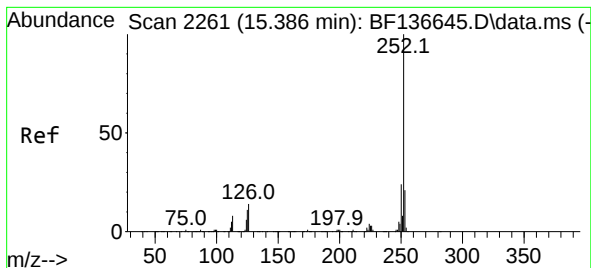
Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 13.1 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 5.030 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

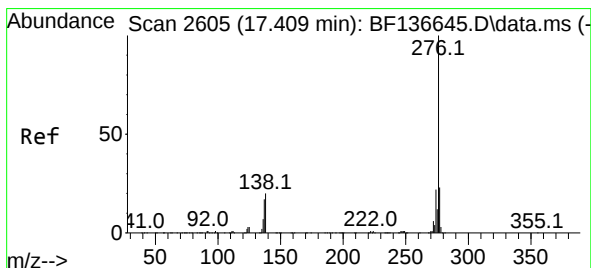
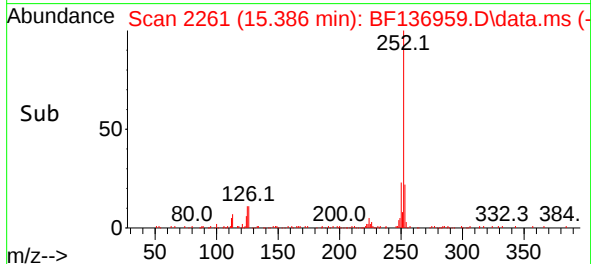
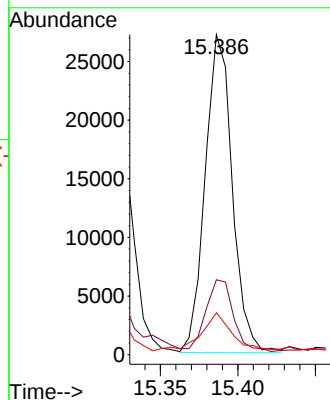
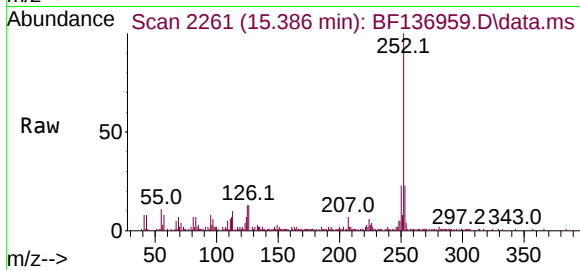
Tgt Ion:252 Resp: 33030

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 13.1 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.442 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF136959.D

Acq: 05 Jan 2024 00:57

Tgt Ion:276 Resp: 17257

Ion Ratio Lower Upper

276 100

277 23.2 18.3 27.5

138 25.1 15.6 23.4#

