

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136759.D
 Acq On : 27 Dec 2023 15:34
 Operator : CG\JU
 Sample : 05796-01RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 16:11:44 2023
 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)

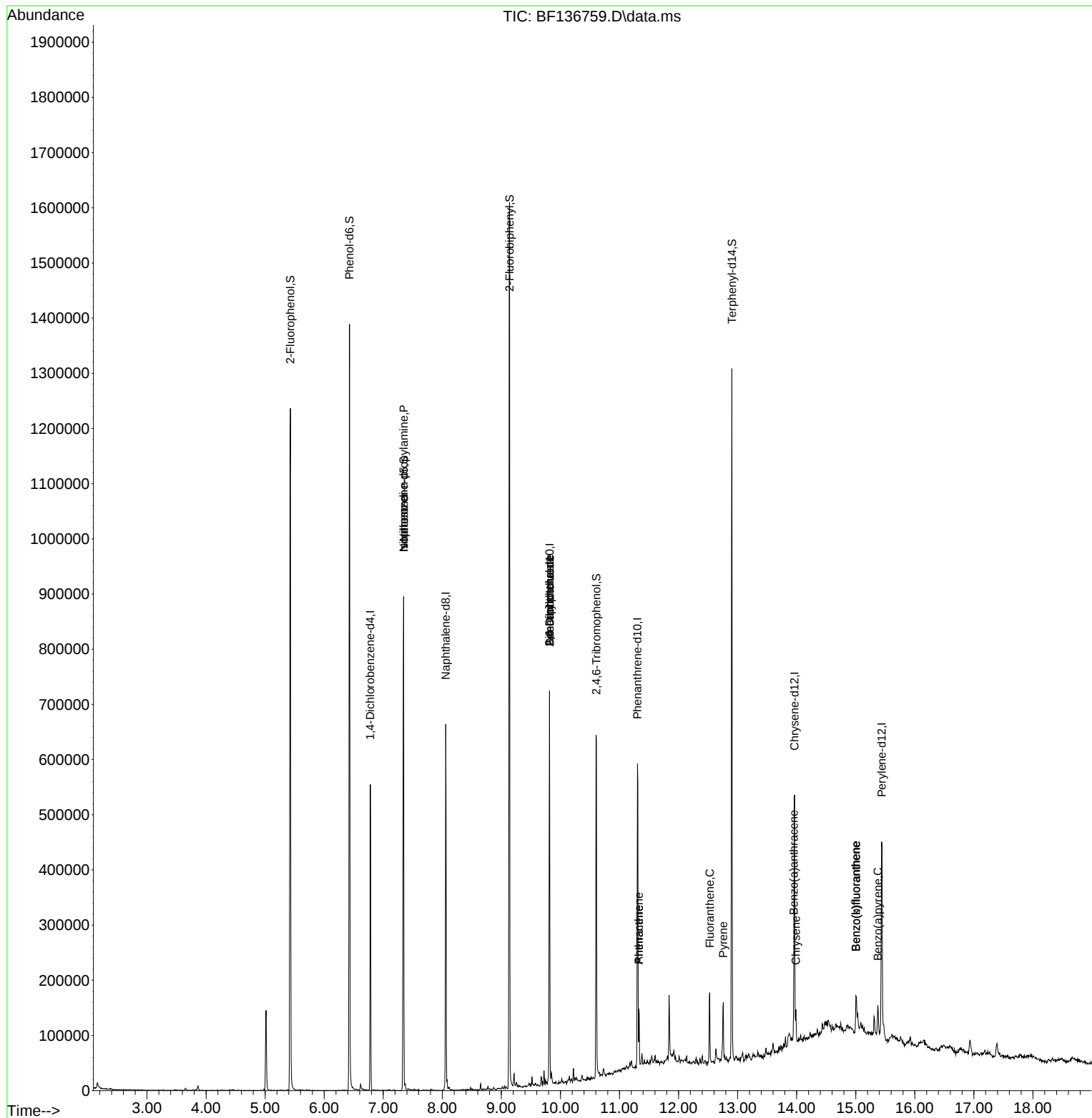
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	75790	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	279523	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	133025	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	213790	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	140908	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	177459	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	336497	69.274	ng	0.00
7) Phenol-d6	6.428	99	431016	68.480	ng	-0.01
23) Nitrobenzene-d5	7.345	82	275704	50.472	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	82863	52.891	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	539582	54.556	ng	-0.01
79) Terphenyl-d14	12.904	244	416524	41.309	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	36194	9.486	ng	# 73
25) Isophorone	7.345	82	275701	27.738	ng	# 65
50) Dimethylphthalate	9.816	163	26146	2.691	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	17524	7.947	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	17524	6.121	ng	# 21
71) Phenanthrene	11.327	178	37402	3.410	ng	100
72) Anthracene	11.327	178	37402	3.367	ng	99
75) Fluoranthene	12.527	202	54922	4.681	ng	98
78) Pyrene	12.757	202	45094	3.260	ng	100
81) Benzo(a)anthracene	13.951	228	23828	2.435	ng	97
83) Chrysene	13.986	228	22502	2.352	ng	97
88) Benzo(b)fluoranthene	15.004	252	46562	3.928	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	46562	4.157	ng	# 95
90) Benzo(a)pyrene	15.374	252	22760	2.275	ng	# 92

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

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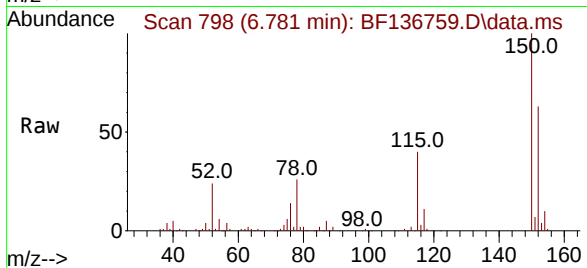
Quant Time: Dec 27 16:11:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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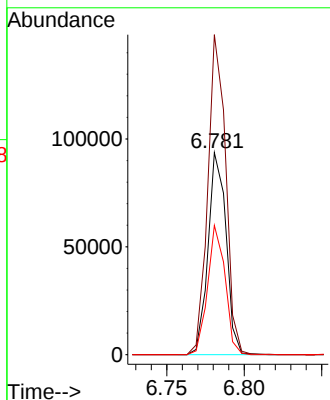
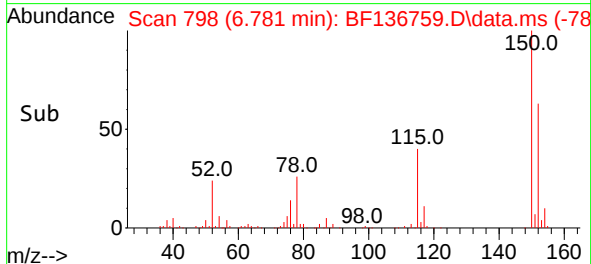


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

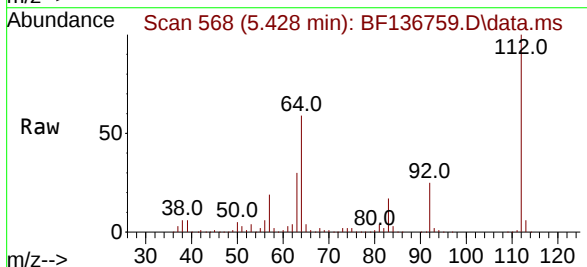
Instrument :
BNA_F
ClientSampleId :



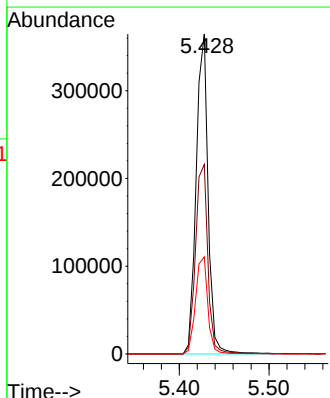
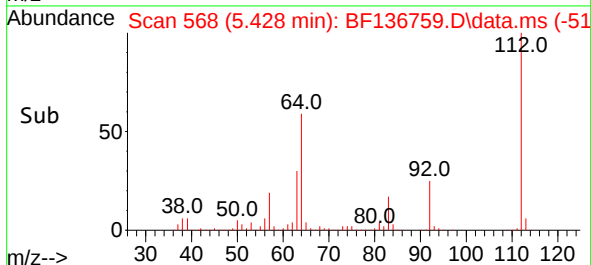
Tgt Ion:152 Resp: 75790
Ion Ratio Lower Upper
152 100
150 158.4 127.0 190.6
115 64.0 49.0 73.4

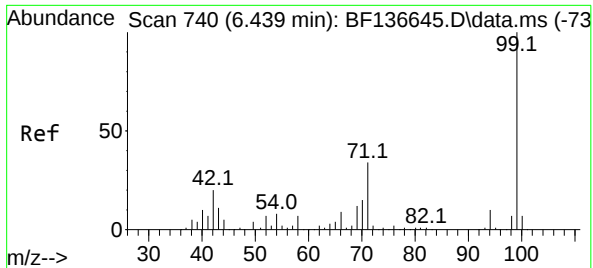


#5
2-Fluorophenol
Concen: 69.274 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34



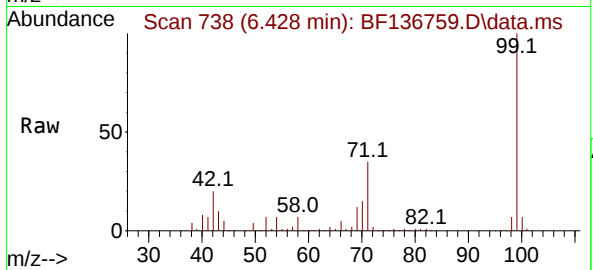
Tgt Ion:112 Resp: 336497
Ion Ratio Lower Upper
112 100
64 59.2 51.1 76.7
63 30.3 26.1 39.1



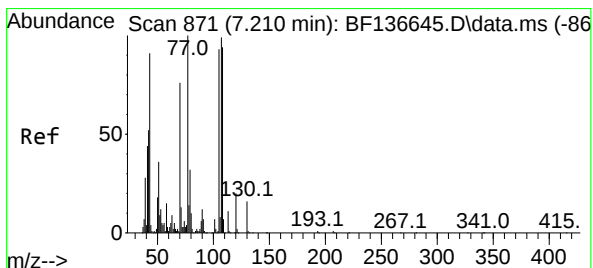
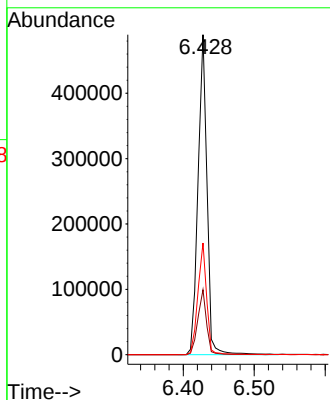
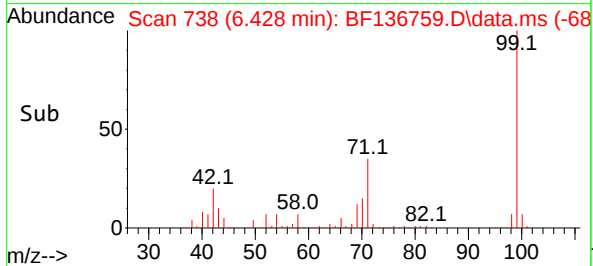


#7
Phenol-d6
Concen: 68.480 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

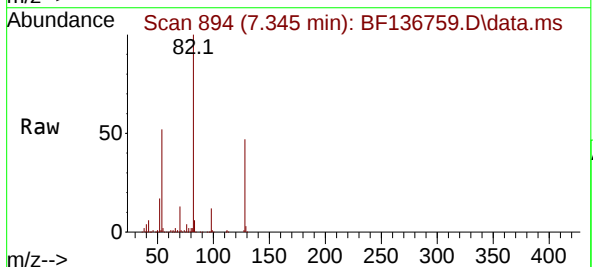
Instrument :
BNA_F
ClientSampleId :



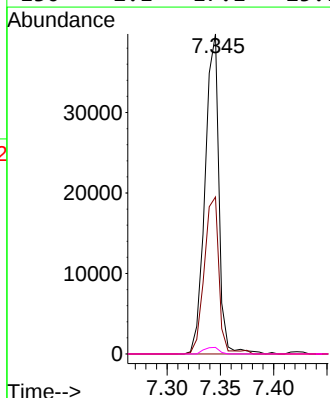
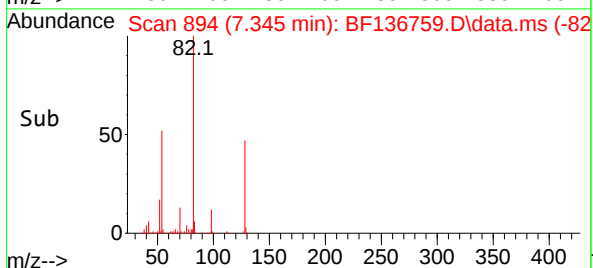
Tgt Ion: 99 Resp: 431016
Ion Ratio Lower Upper
99 100
42 20.3 16.1 24.1
71 34.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.486 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34



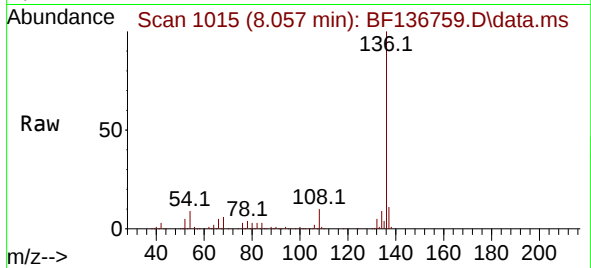
Tgt Ion: 70 Resp: 36194
Ion Ratio Lower Upper
70 100
42 49.1 54.2 81.4#
101 0.0 7.6 11.4#
130 2.1 17.1 25.7#



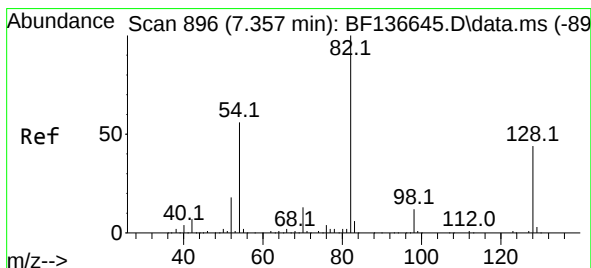
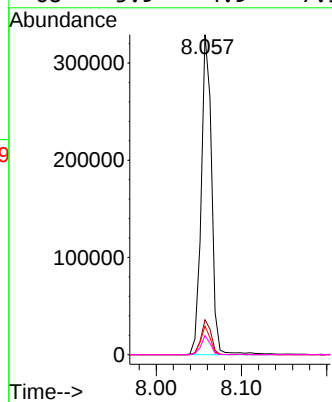
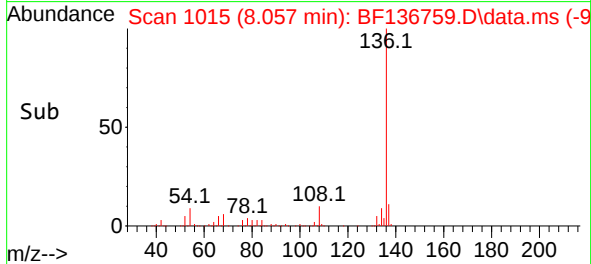


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :

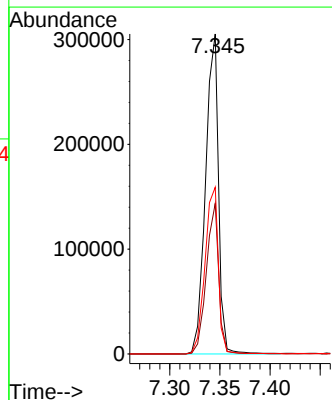
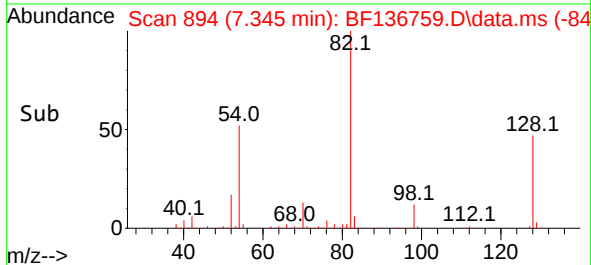
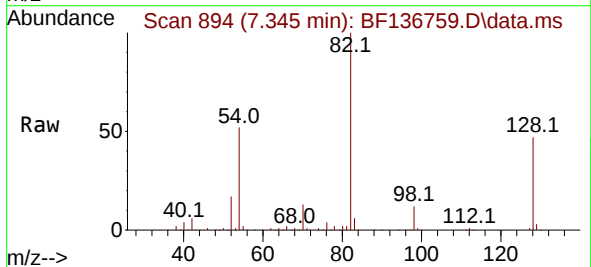


Tgt Ion:136 Resp: 279523
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.9 7.2 10.8
68 5.9 4.9 7.3



#23
Nitrobenzene-d5
Concen: 50.472 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

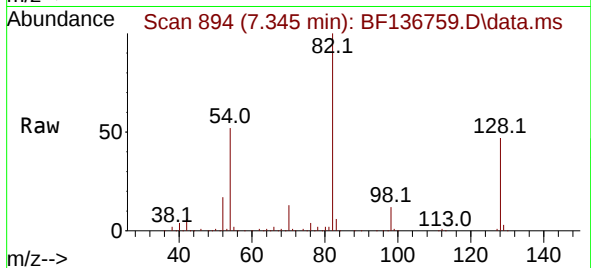
Tgt Ion: 82 Resp: 275704
Ion Ratio Lower Upper
82 100
128 47.0 35.3 52.9
54 52.1 44.5 66.7



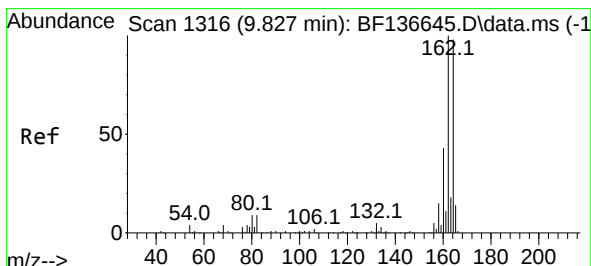
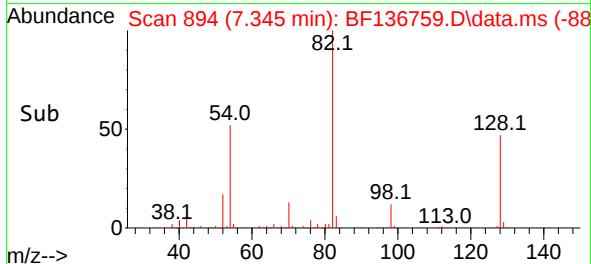
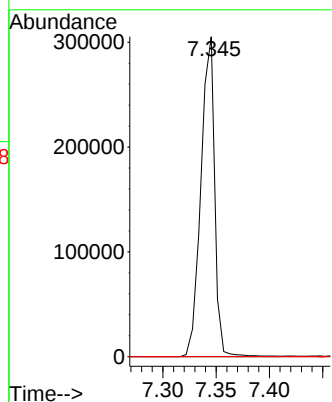


#25
Isophorone
Concen: 27.738 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :

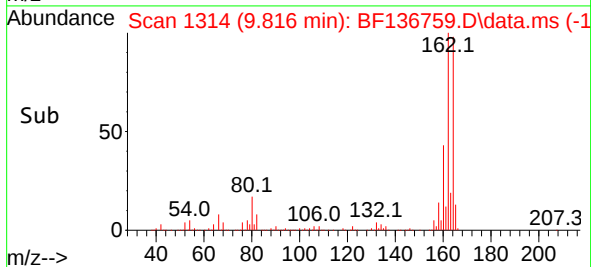
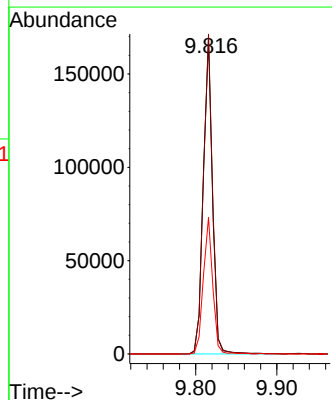
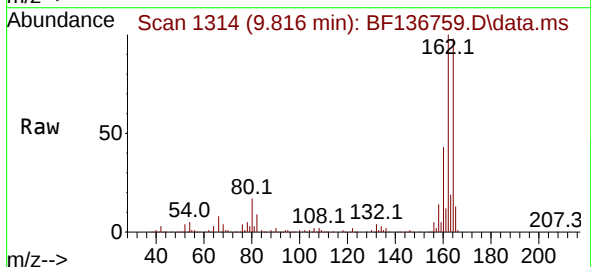


Tgt Ion: 82 Resp: 275701
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Tgt Ion:164 Resp: 133025
Ion Ratio Lower Upper
164 100
162 101.6 81.6 122.4
160 43.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 52.891 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

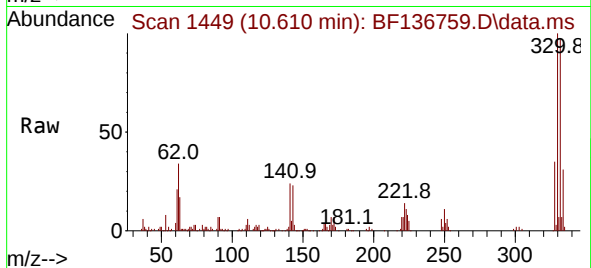
Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

Instrument :

BNA_F

ClientSampleId :



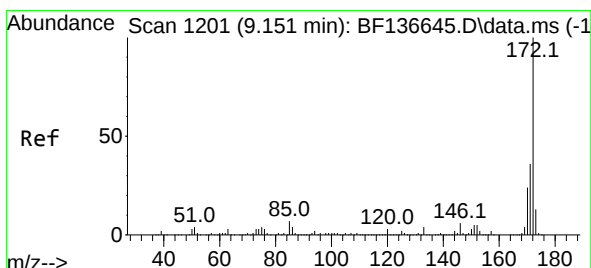
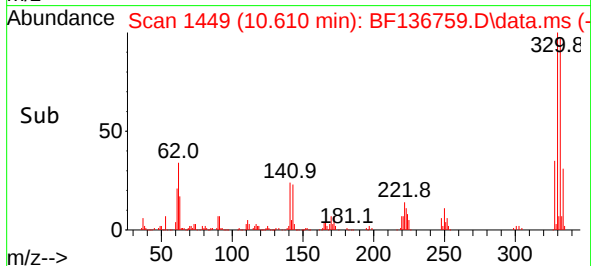
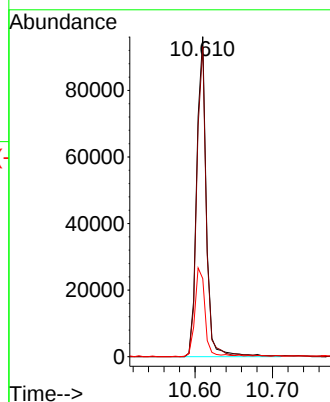
Tgt Ion: 330 Resp: 82863

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.0

141 30.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 54.556 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

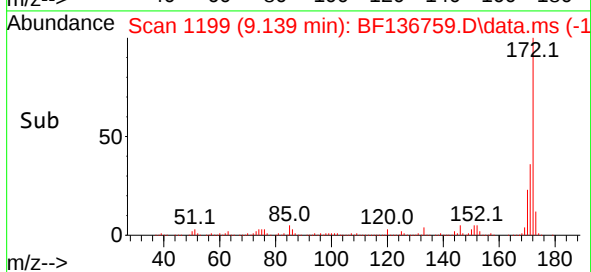
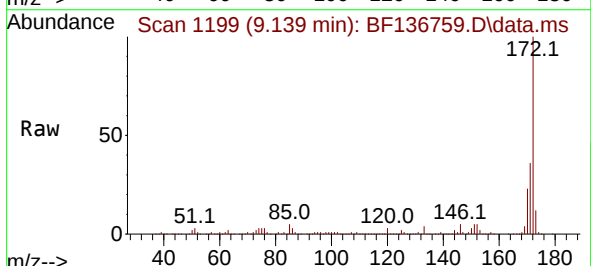
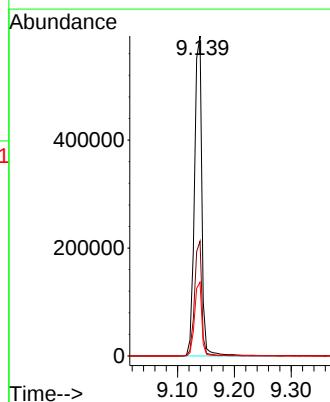
Tgt Ion: 172 Resp: 539582

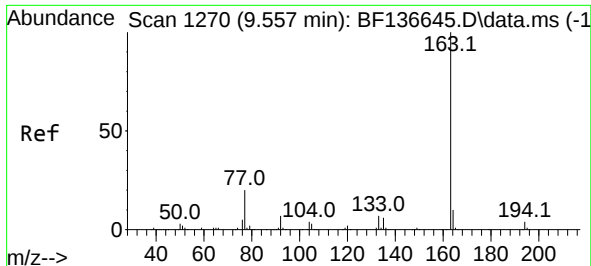
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

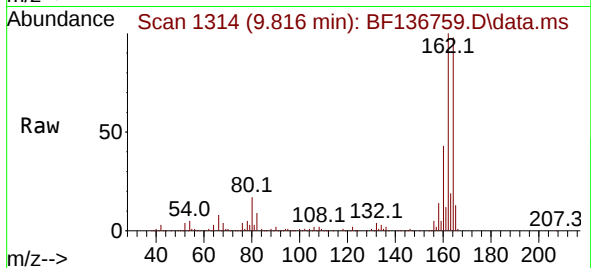
170 23.0 19.0 28.4



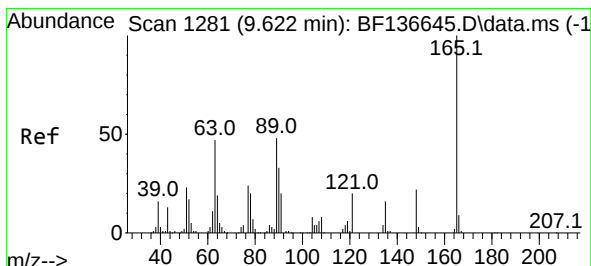
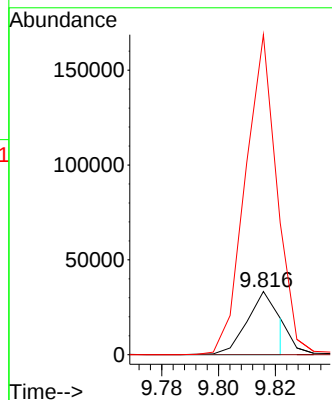
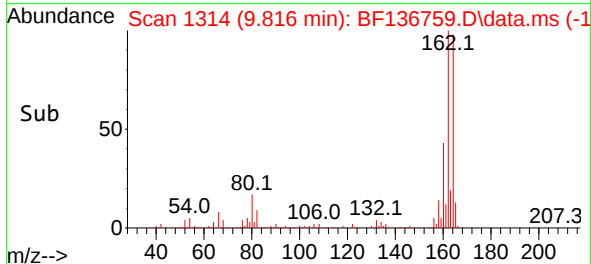


#50
Dimethylphthalate
Concen: 2.691 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

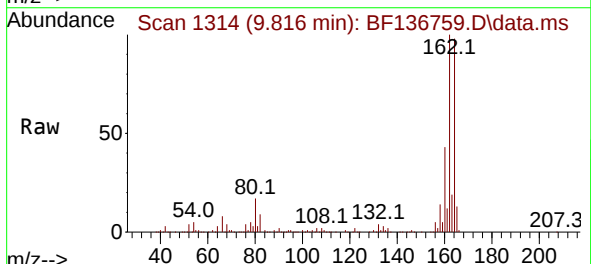
Instrument :
BNA_F
ClientSampleId :



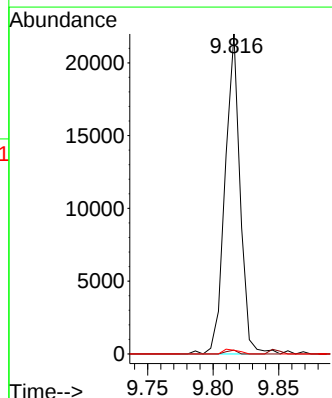
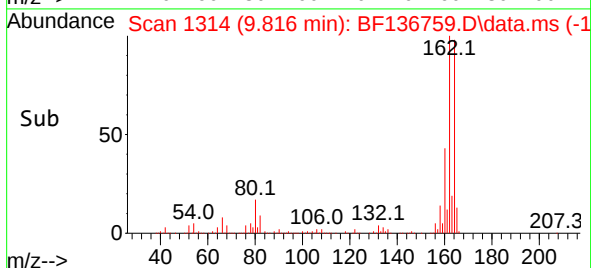
Tgt Ion:163 Resp: 26146
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 505.8 7.8 11.6#

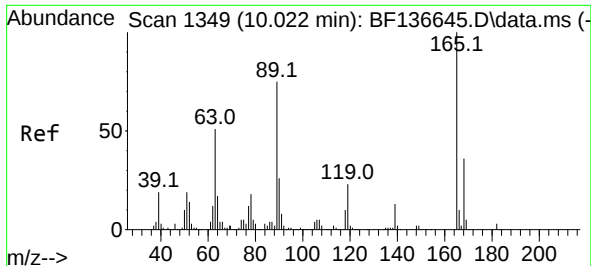


#51
2,6-Dinitrotoluene
Concen: 7.947 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34



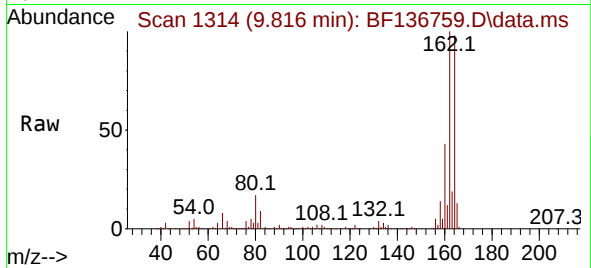
Tgt Ion:165 Resp: 17524
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.2 38.8 58.2#



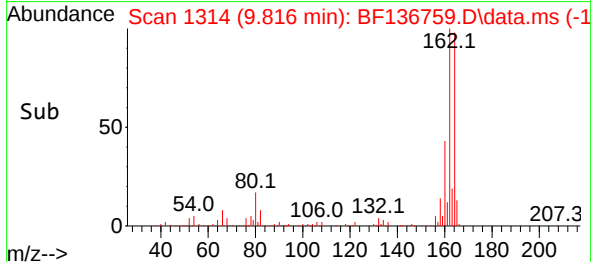
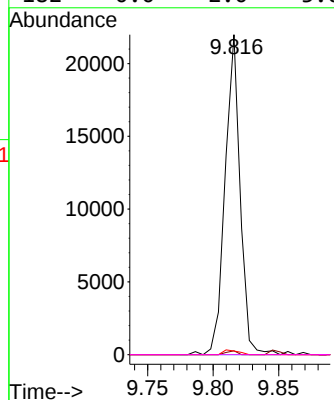


#57
2,4-Dinitrotoluene
Concen: 6.121 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :

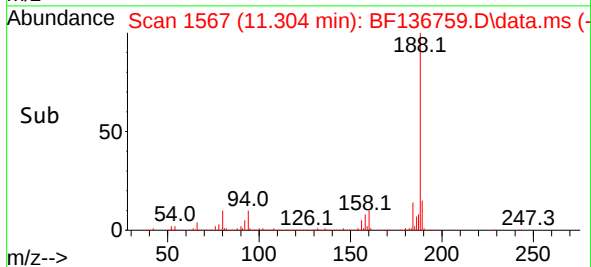
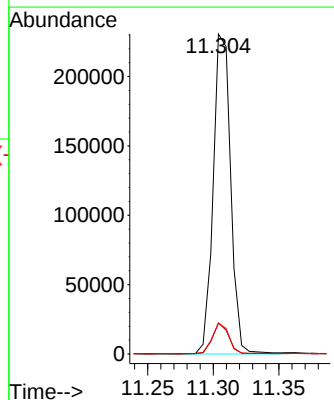
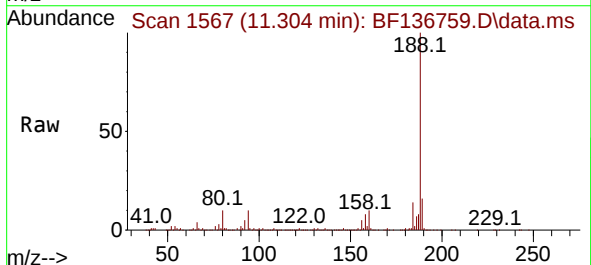


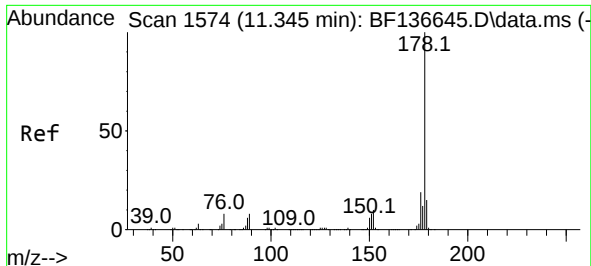
Tgt Ion:165 Resp: 17524
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.6#
89 1.2 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Tgt Ion:188 Resp: 213790
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 9.7 8.1 12.1

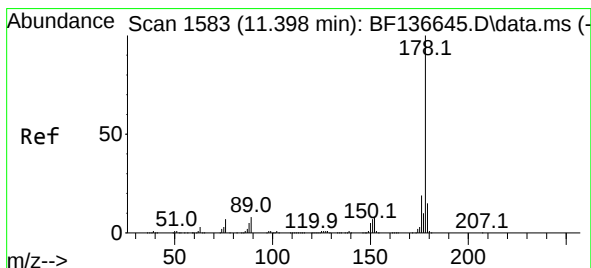
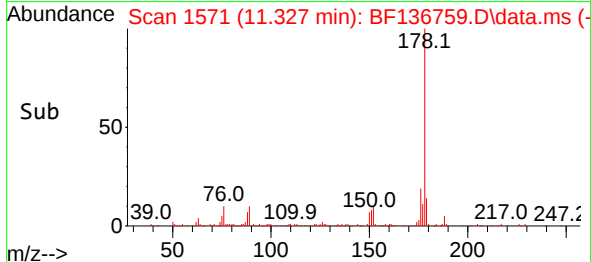
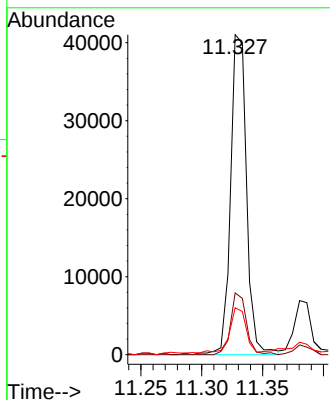
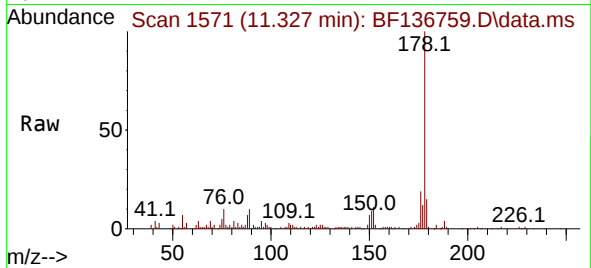




#71
Phenanthrene
Concen: 3.410 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

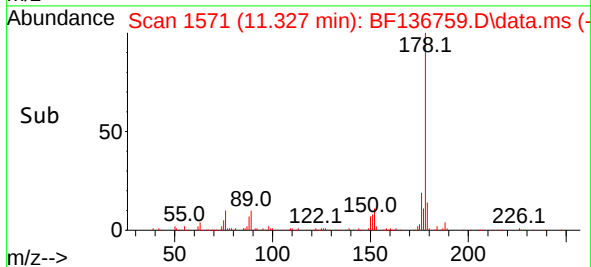
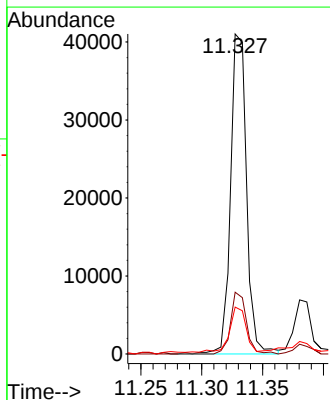
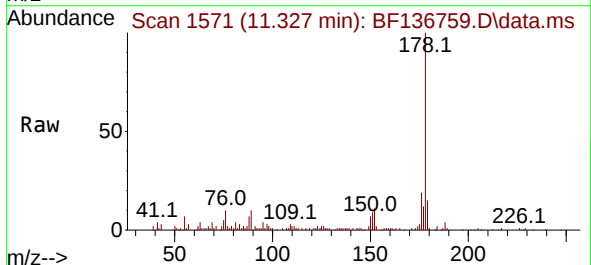
Instrument :
BNA_F
ClientSampleId :

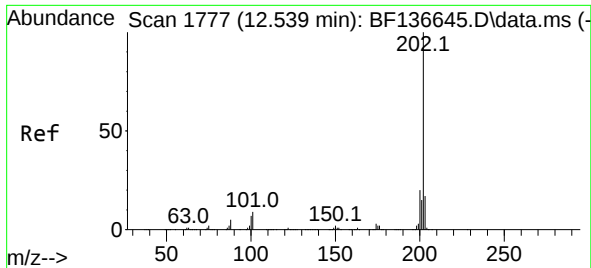
Tgt Ion:178 Resp: 37402
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 14.7 11.9 17.9



#72
Anthracene
Concen: 3.367 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.070 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

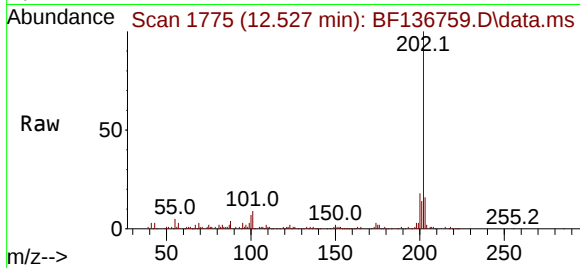
Tgt Ion:178 Resp: 37402
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 14.7 11.8 17.6



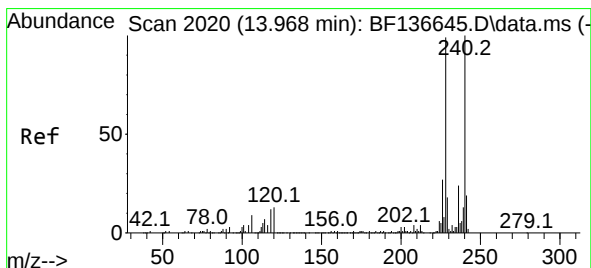
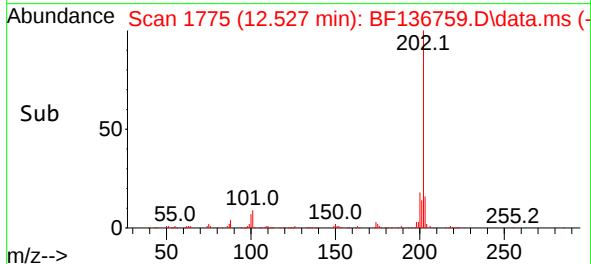
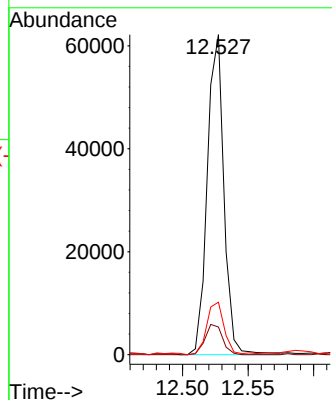


#75
Fluoranthene
Concen: 4.681 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :

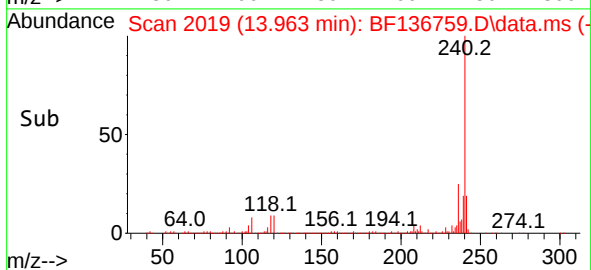
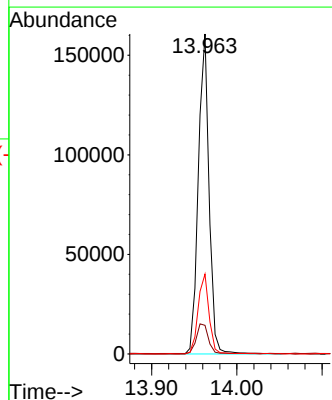
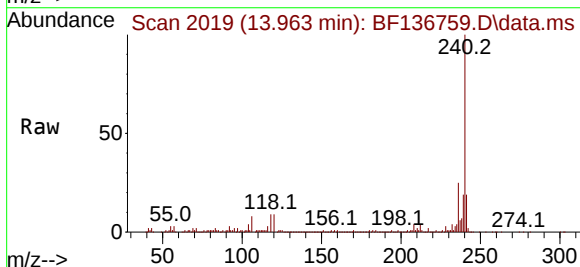


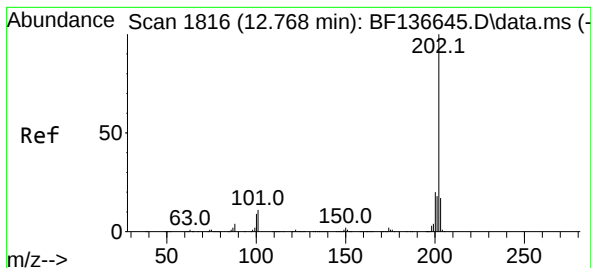
Tgt Ion:202 Resp: 54922
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.3
203 16.4 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Tgt Ion:240 Resp: 140908
Ion Ratio Lower Upper
240 100
120 8.9 10.3 15.5#
236 25.0 19.4 29.2





#78

Pyrene

Concen: 3.260 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

Instrument :

BNA_F

ClientSampleId :

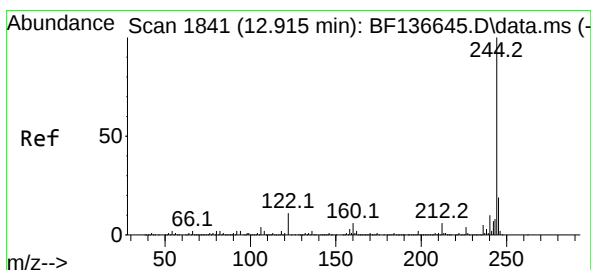
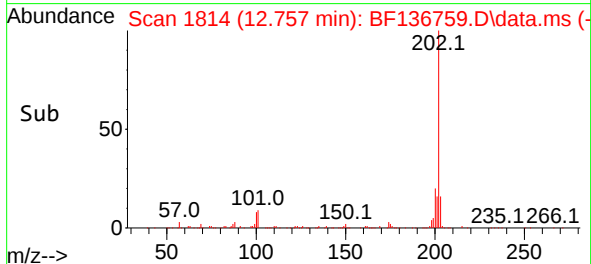
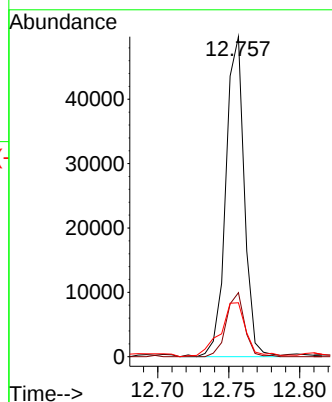
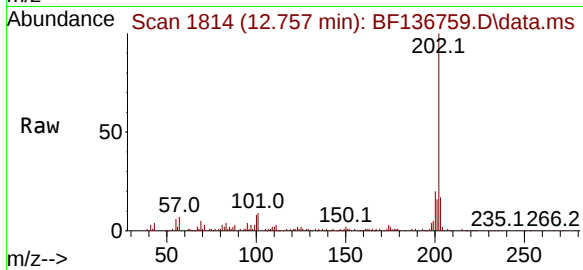
Tgt Ion:202 Resp: 45094

Ion Ratio Lower Upper

202 100

200 20.0 15.9 23.9

203 16.9 13.8 20.6



#79

Terphenyl-d14

Concen: 41.309 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

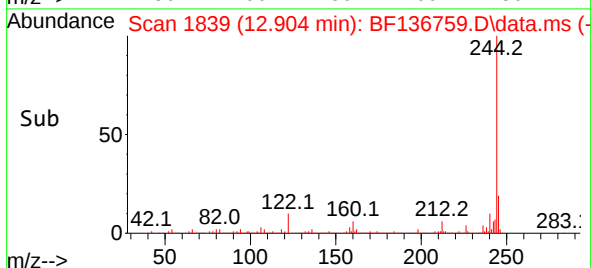
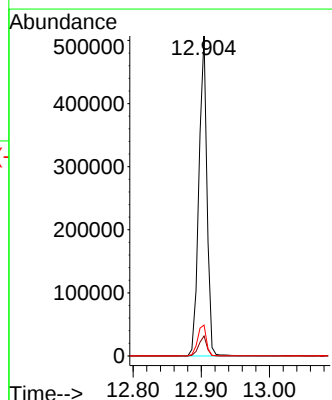
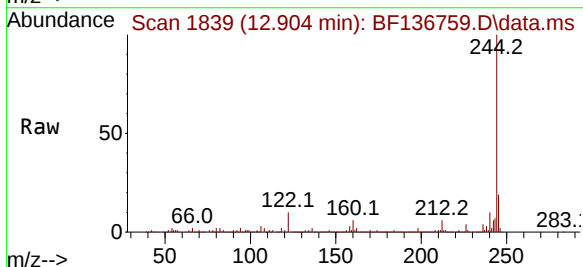
Tgt Ion:244 Resp: 416524

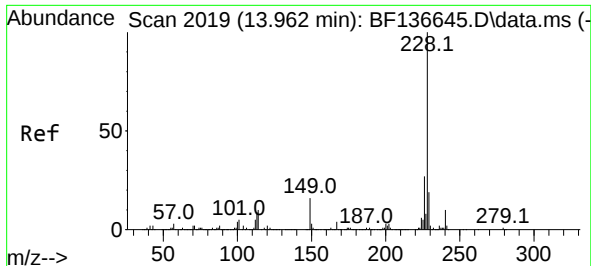
Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 9.7 9.0 13.4

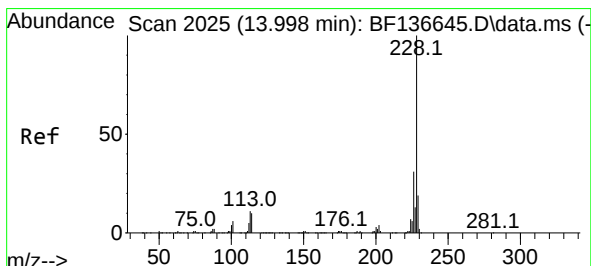
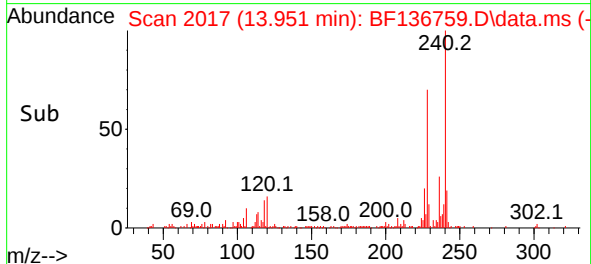
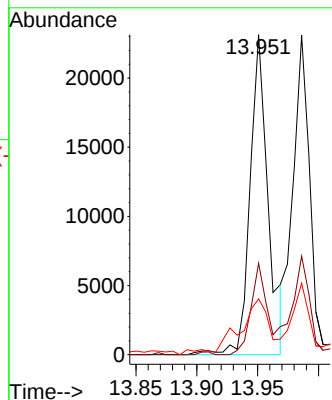
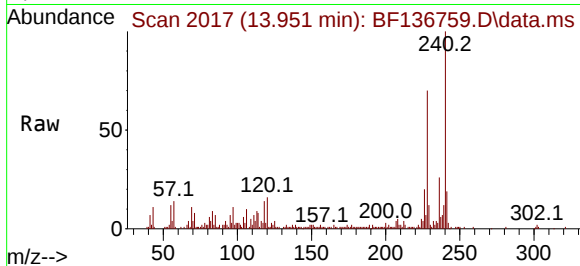




#81
Benzo(a)anthracene
Concen: 2.435 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

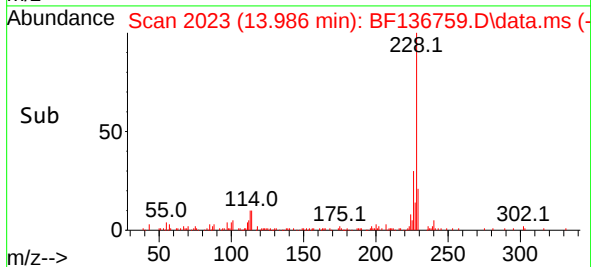
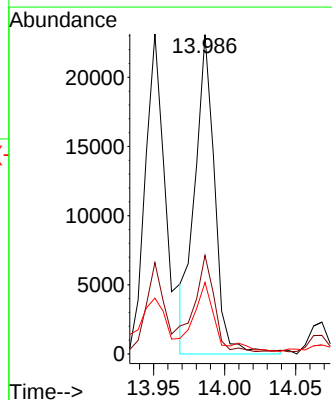
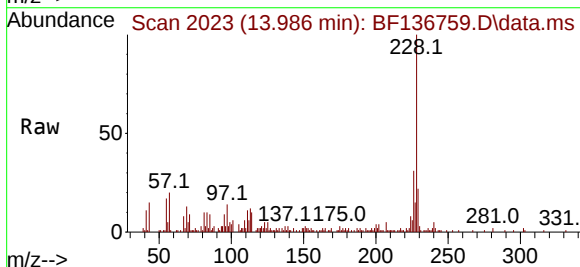
Instrument :
BNA_F
ClientSampleId :

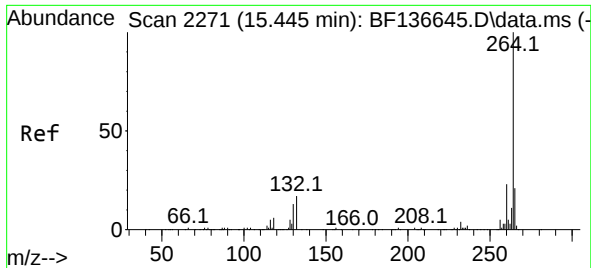
Tgt Ion:228 Resp: 23828
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.0
229 17.4 14.9 22.3



#83
Chrysene
Concen: 2.352 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Tgt Ion:228 Resp: 22502
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 22.4 15.4 23.0

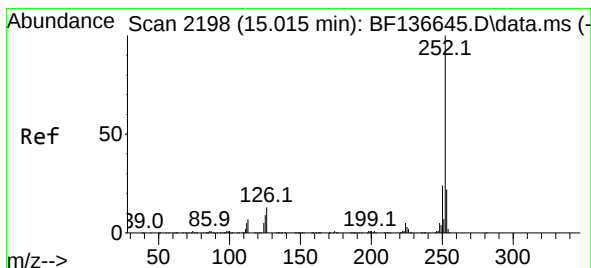
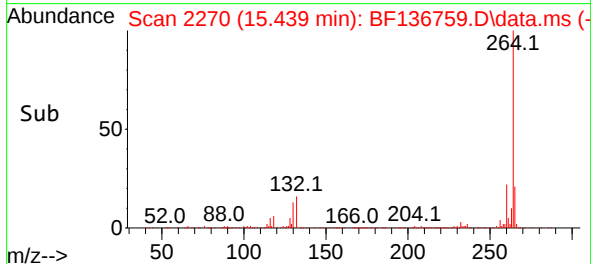
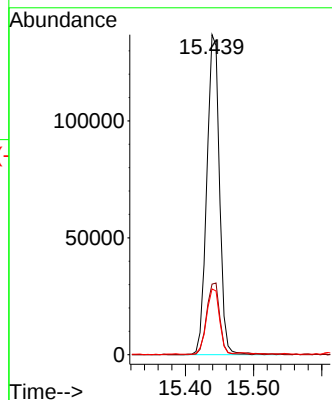
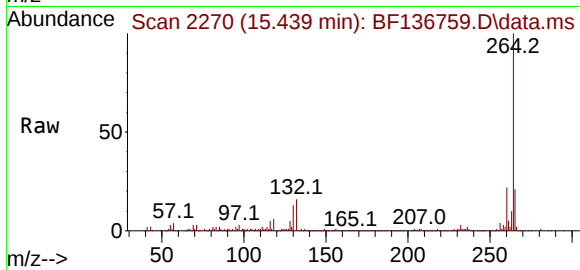




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

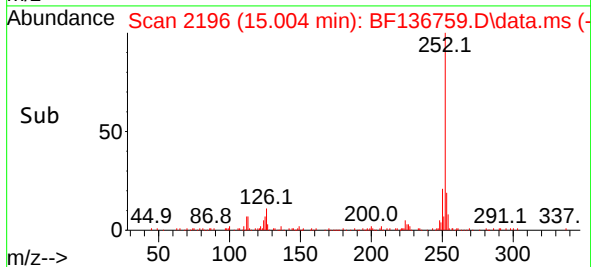
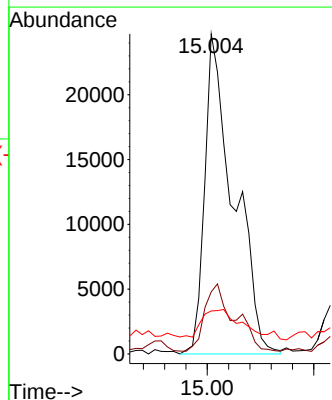
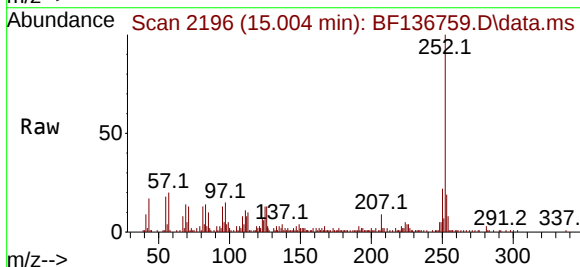
Instrument :
BNA_F
ClientSampleId :

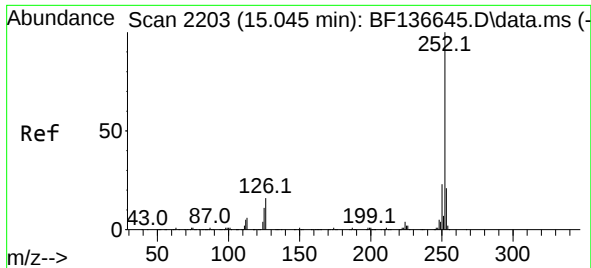
Tgt Ion:264 Resp: 177459
Ion Ratio Lower Upper
264 100
260 22.0 18.3 27.5
265 20.6 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 3.928 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Tgt Ion:252 Resp: 46562
Ion Ratio Lower Upper
252 100
253 19.4 17.4 26.0
125 13.4 7.4 11.2#

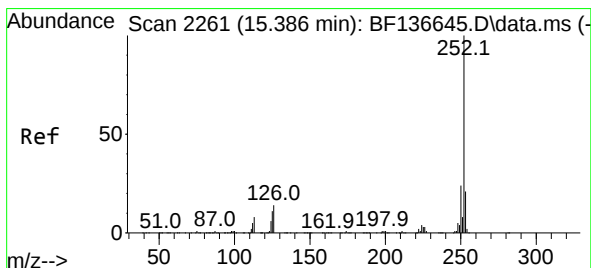
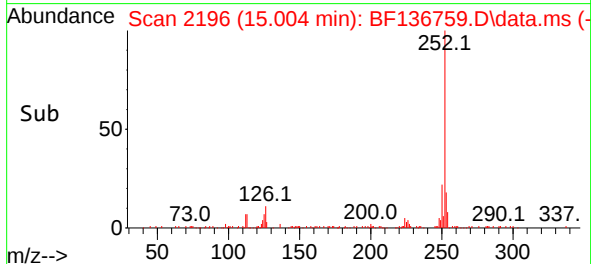
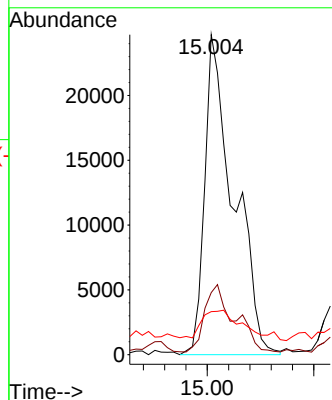
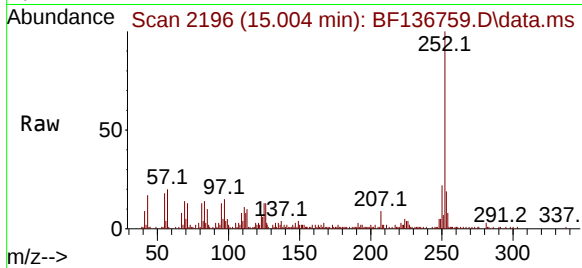




#89
Benzo(k)fluoranthene
Concen: 4.157 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 46562
Ion Ratio Lower Upper
252 100
253 19.4 17.0 25.6
125 13.4 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 2.275 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Tgt Ion:252 Resp: 22760
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 16.5 8.8 13.2#

