

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136958.D
 Acq On : 05 Jan 2024 00:25
 Operator : CG\JU
 Sample : P1003-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Quant Time: Jan 05 01:29:49 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)

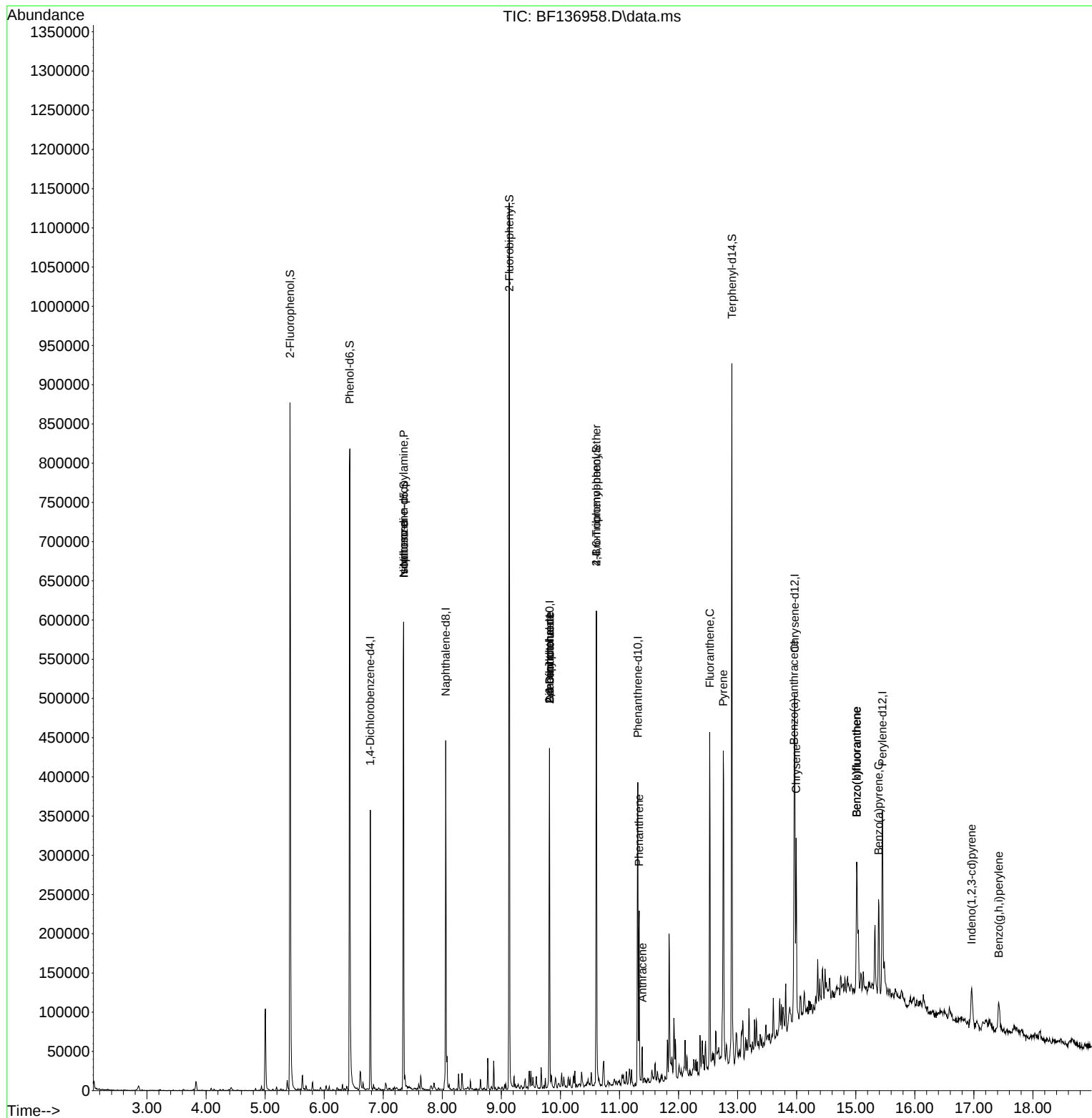
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	46646	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	174181	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	81377	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	142389	20.000	ng	0.00
76) Chrysene-d12	13.969	240	116309	20.000	ng	0.00
86) Perylene-d12	15.451	264	107249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	243165	81.337	ng	0.00
7) Phenol-d6	6.434	99	298950	77.173	ng	0.00
23) Nitrobenzene-d5	7.345	82	179802	52.822	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	71602	74.710	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	325451	53.790	ng	-0.02
79) Terphenyl-d14	12.904	244	292365	35.128	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	23526	10.018	ng	# 70
25) Isophorone	7.345	82	179800	29.029	ng	# 65
50) Dimethylphthalate	9.816	163	16882	2.840	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	10729	7.953	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	10729	6.126	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	4286	2.710	ng	# 1
71) Phenanthrene	11.333	178	81336	11.133	ng	100
72) Anthracene	11.386	178	18226	2.463	ng	96
75) Fluoranthene	12.527	202	162981	20.855	ng	97
78) Pyrene	12.757	202	169775	14.869	ng	99
81) Benzo(a)anthracene	13.957	228	93273	11.549	ng	97
83) Chrysene	13.992	228	85876	10.873	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	29852	3.855	ng	99
88) Benzo(b)fluoranthene	15.015	252	119259	16.649	ng	# 98
89) Benzo(k)fluoranthene	15.015	252	119259	17.619	ng	99
90) Benzo(a)pyrene	15.386	252	59048	9.766	ng	99
92) Benzo(g,h,i)perylene	17.421	276	29494	4.533	ng	96

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

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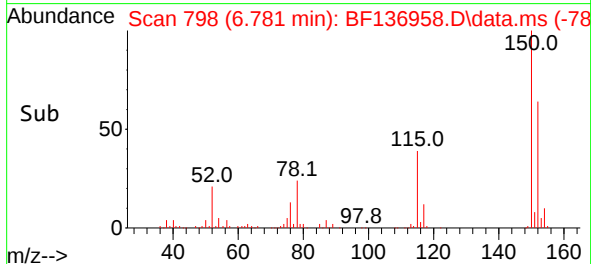
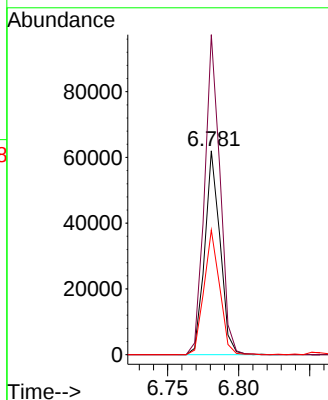
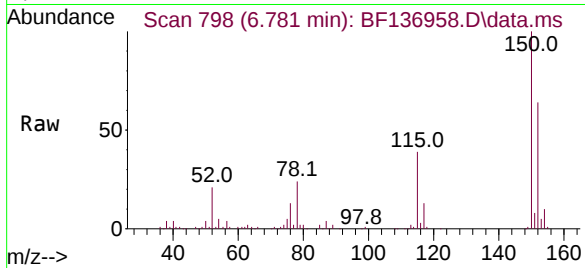




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

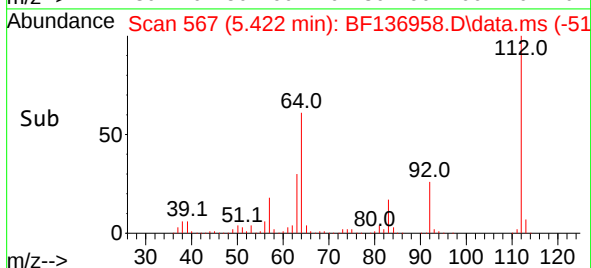
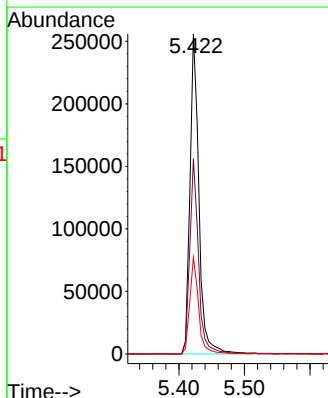
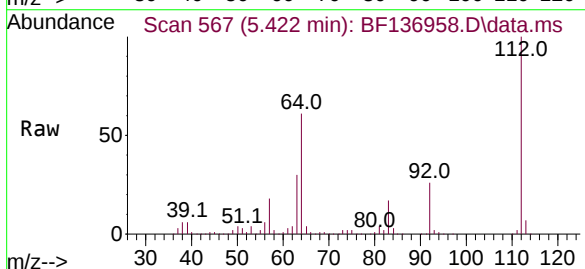
Instrument :
BNA_F
ClientSampleId :
72-11978

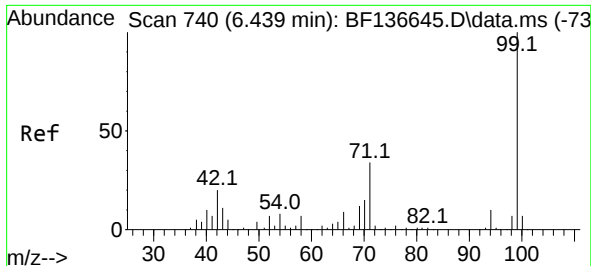
Tgt Ion:152 Resp: 46646
Ion Ratio Lower Upper
152 100
150 157.0 127.0 190.6
115 61.2 49.0 73.4



#5
2-Fluorophenol
Concen: 81.337 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

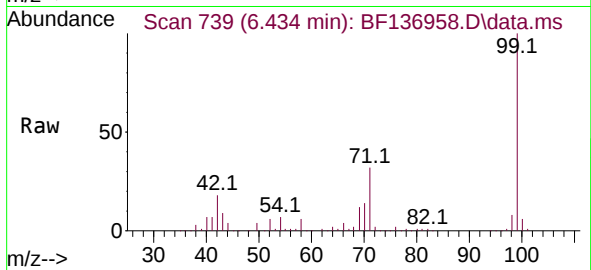
Tgt Ion:112 Resp: 243165
Ion Ratio Lower Upper
112 100
64 61.0 51.1 76.7
63 30.2 26.1 39.1



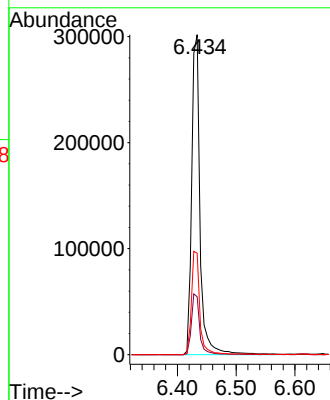
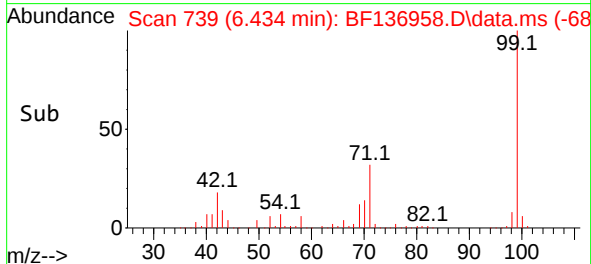


#7
Phenol-d6
Concen: 77.173 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

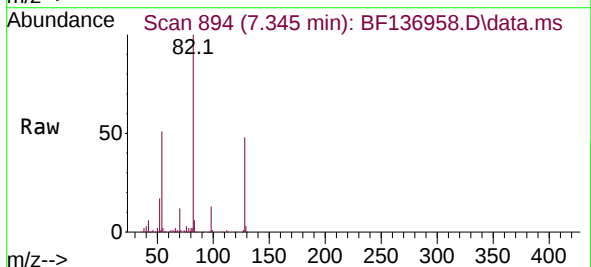
Instrument :
BNA_F
ClientSampleId :
72-11978



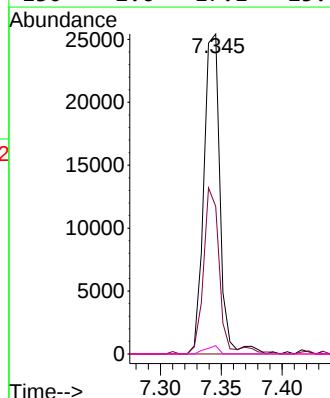
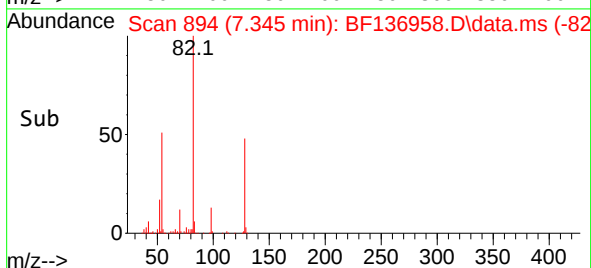
Tgt Ion: 99 Resp: 298950
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 31.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.018 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25



Tgt Ion: 70 Resp: 23526
Ion Ratio Lower Upper
70 100
42 46.1 54.2 81.4#
101 0.0 7.6 11.4#
130 2.6 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:136 Resp: 174181

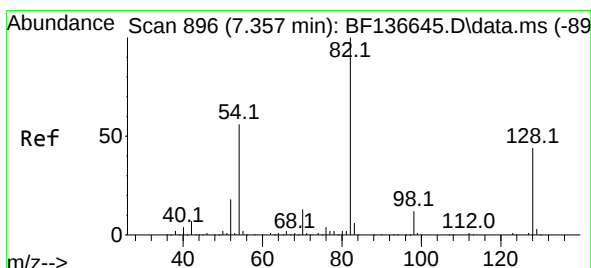
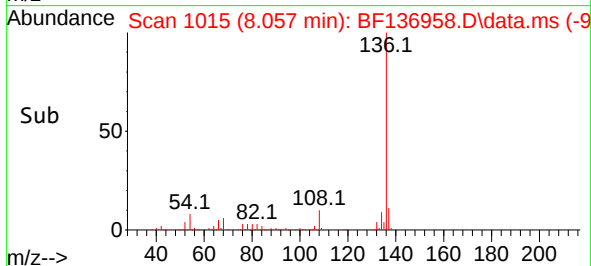
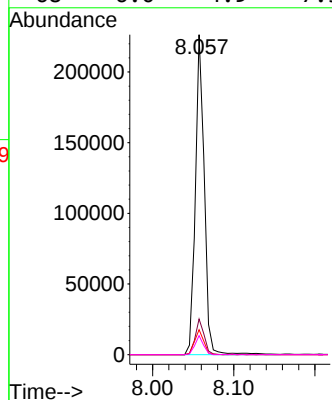
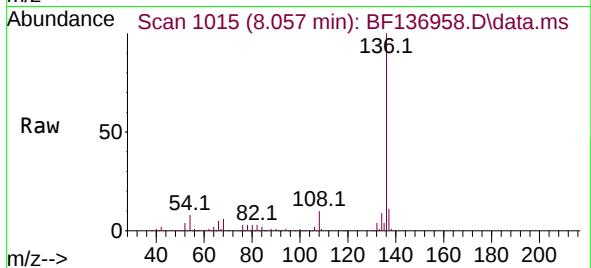
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.8 7.2 10.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 52.822 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

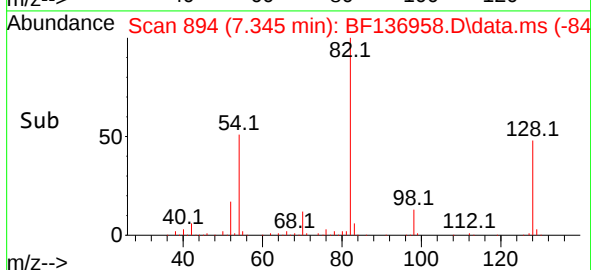
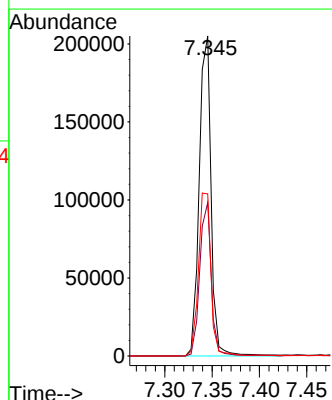
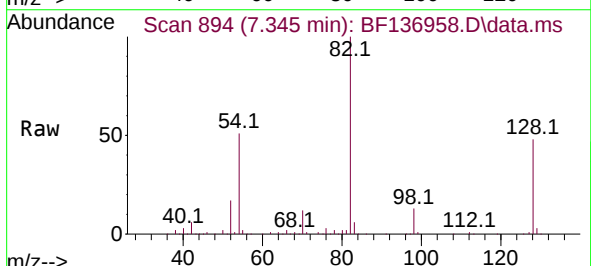
Tgt Ion: 82 Resp: 179802

Ion Ratio Lower Upper

82 100

128 48.0 35.3 52.9

54 50.7 44.5 66.7

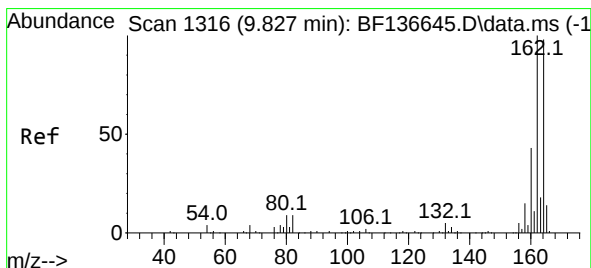
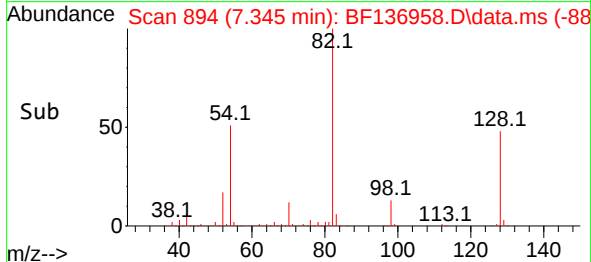
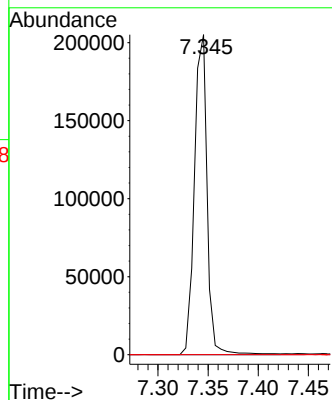
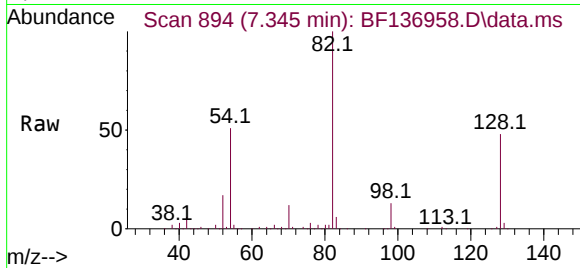




#25
Isophorone
Concen: 29.029 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

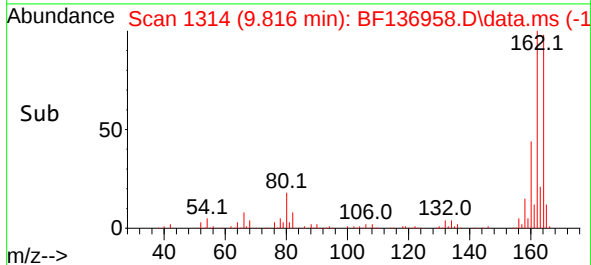
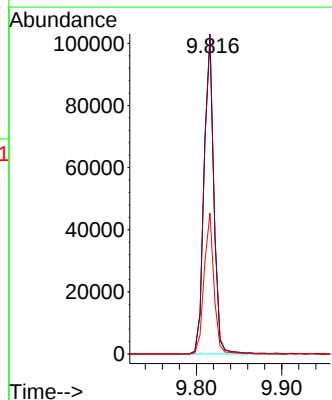
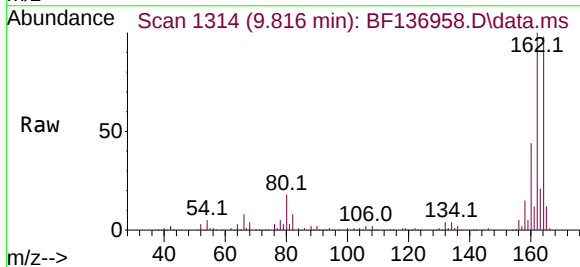
Instrument :
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ClientSampleId :
72-11978

Tgt Ion: 82 Resp: 179800
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: BF136958.D
Acq: 05 Jan 2024 00:25

Tgt Ion:164 Resp: 81377
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 44.8 34.9 52.3

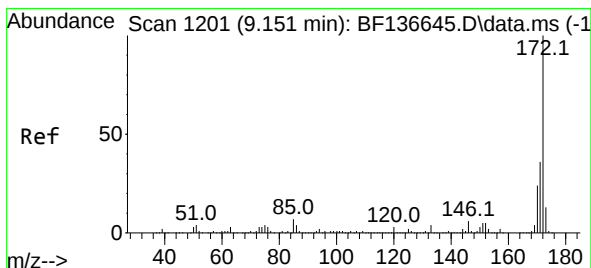
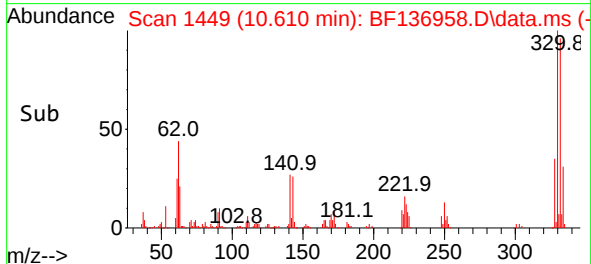
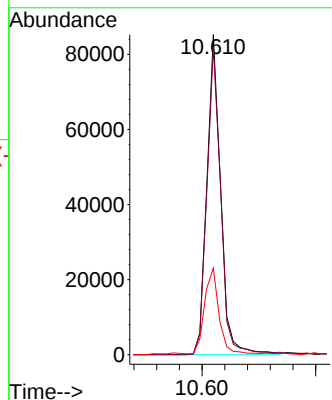
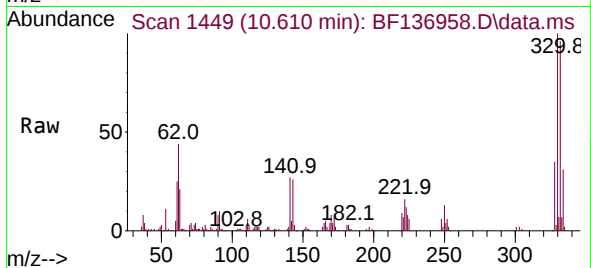




#42
2,4,6-Tribromophenol
Concen: 74.710 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

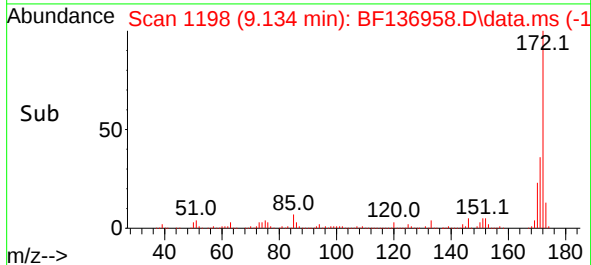
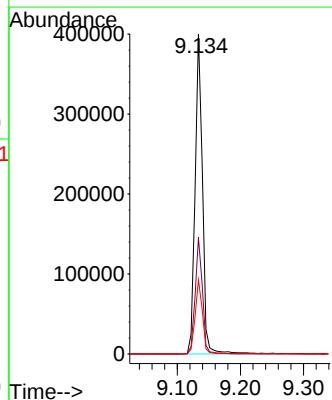
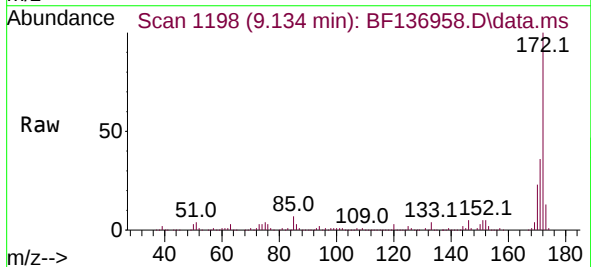
Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:330 Resp: 71602
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 29.7 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 53.790 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Tgt Ion:172 Resp: 325451
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.1 19.0 28.4

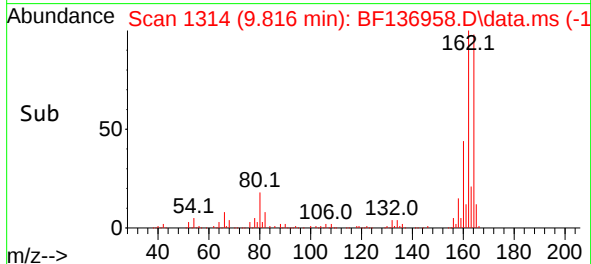
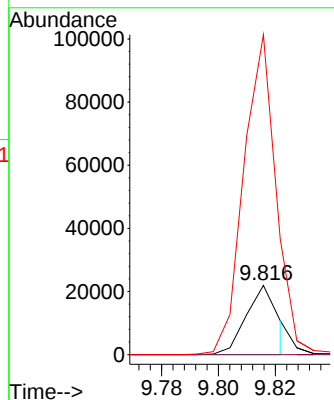
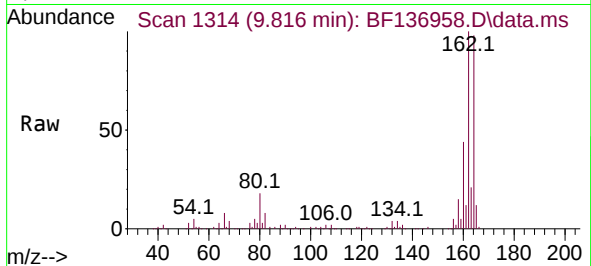




#50
Dimethylphthalate
Concen: 2.840 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

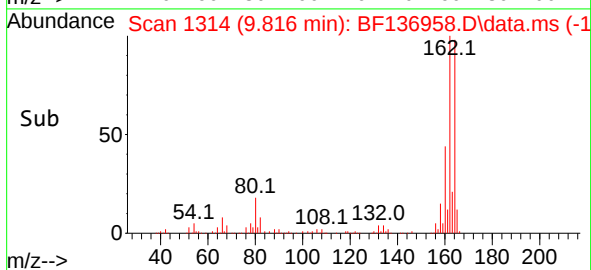
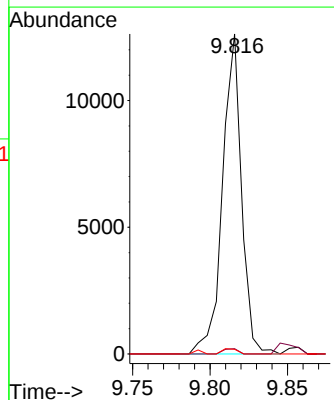
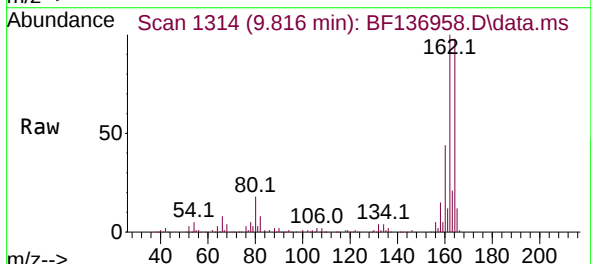
Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:163 Resp: 16882
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 461.5 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.953 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

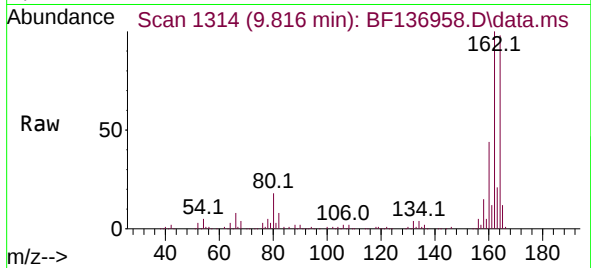
Tgt Ion:165 Resp: 10729
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.5 38.8 58.2#



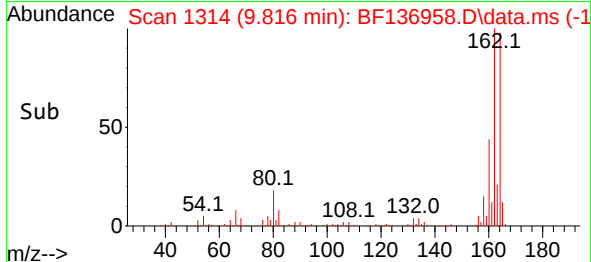
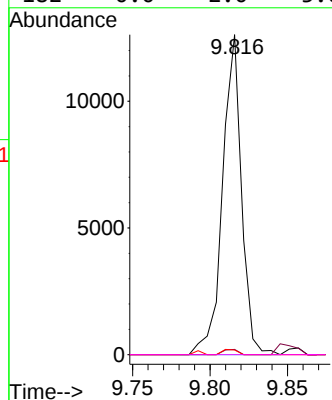


#57
2,4-Dinitrotoluene
Concen: 6.126 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Instrument :
BNA_F
ClientSampleId :
72-11978

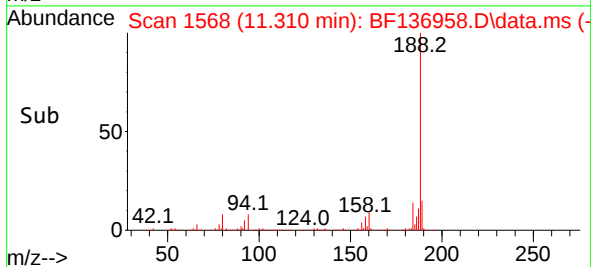
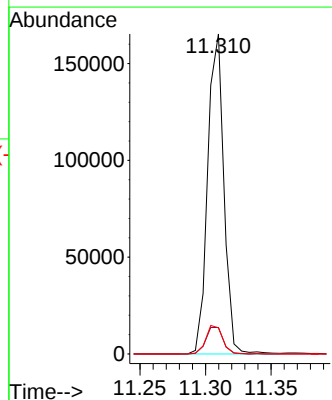
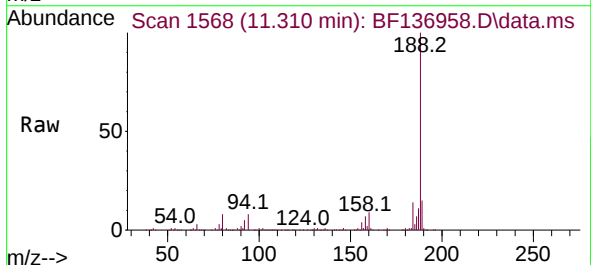


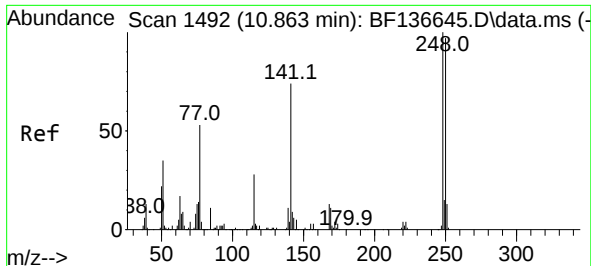
Tgt Ion:165 Resp: 10729
Ion Ratio Lower Upper
165 100
63 1.6 41.0 61.6#
89 1.5 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Tgt Ion:188 Resp: 142389
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 8.2 8.1 12.1

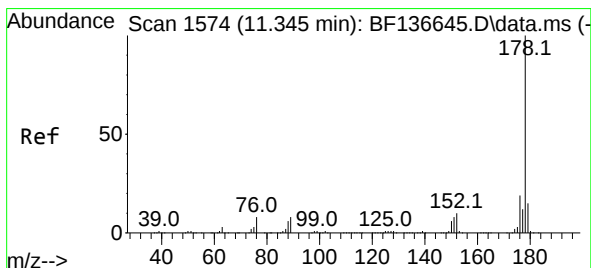
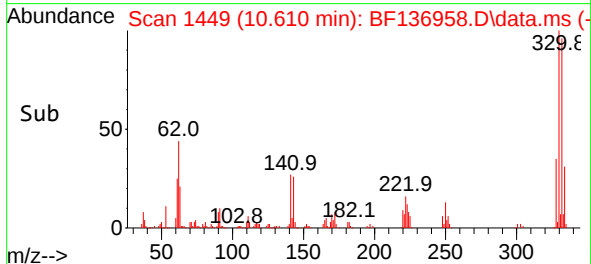
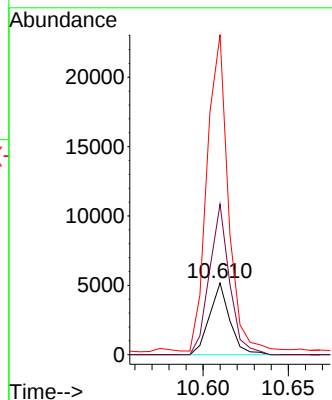
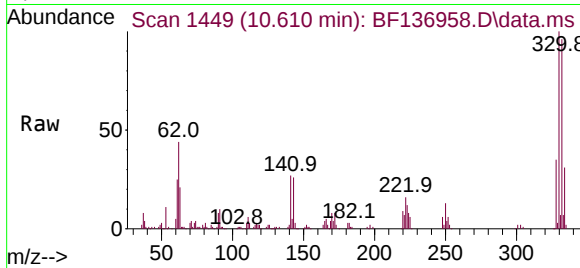




#67
4-Bromophenyl-phenylether
Concen: 2.710 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

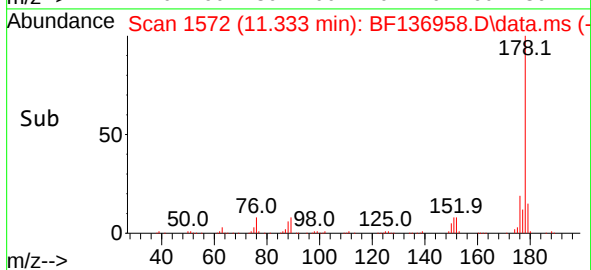
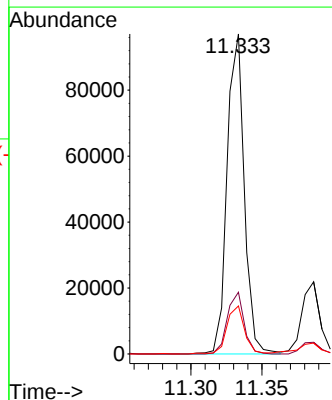
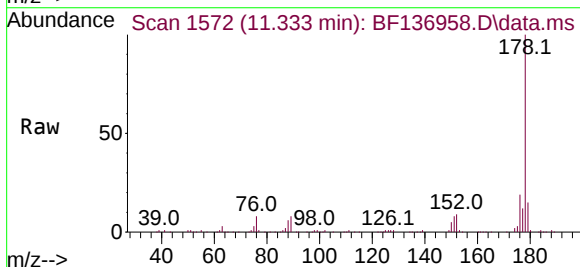
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72-11978

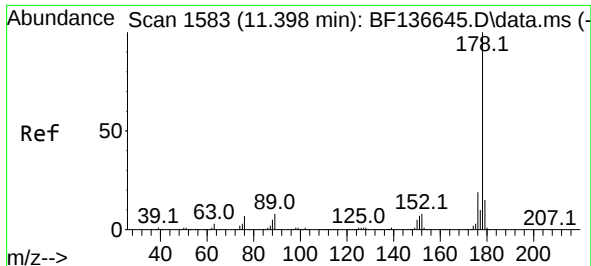
Tgt Ion:248 Resp: 4286
Ion Ratio Lower Upper
248 100
250 210.2 77.8 116.6#
141 446.9 59.2 88.8#



#71
Phenanthrene
Concen: 11.133 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Tgt Ion:178 Resp: 81336
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.0 11.9 17.9

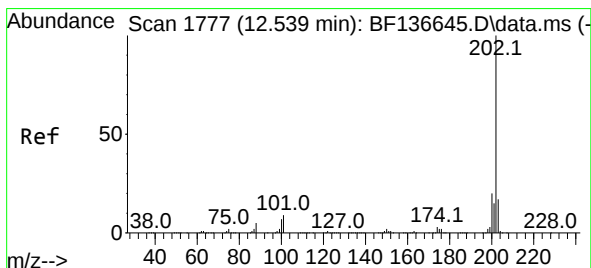
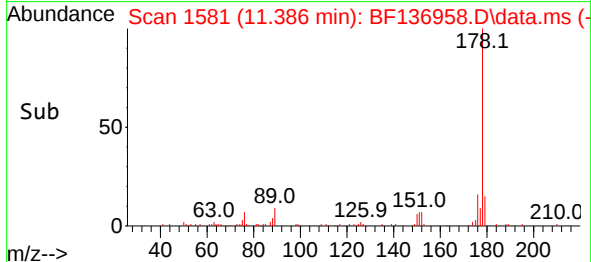
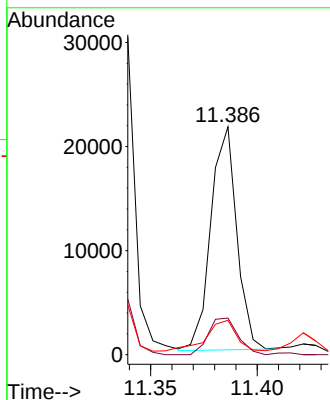
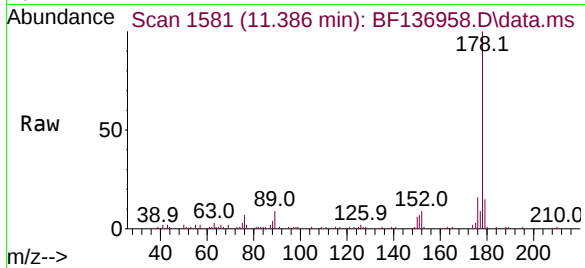




#72
 Anthracene
 Concen: 2.463 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136958.D
 Acq: 05 Jan 2024 00:25

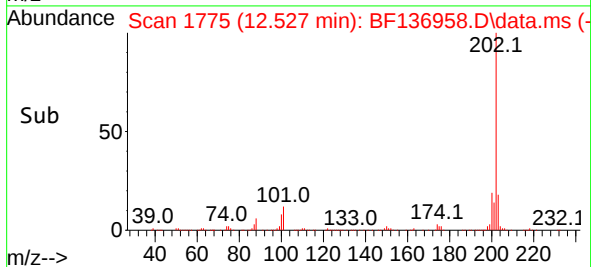
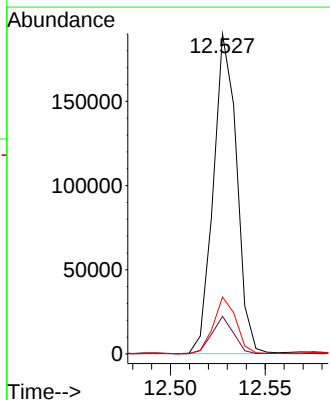
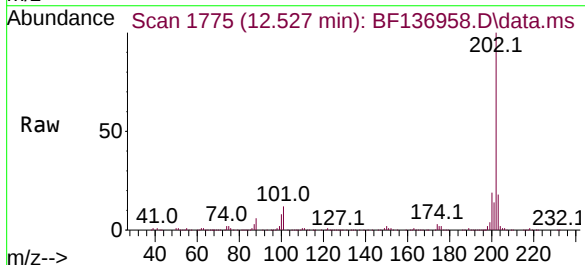
Instrument :
 BNA_F
 ClientSampleId :
 72-11978

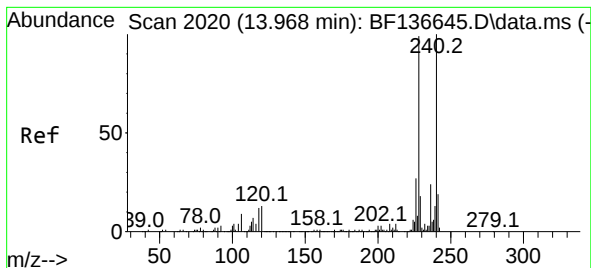
Tgt Ion:178 Resp: 18226
 Ion Ratio Lower Upper
 178 100
 176 16.1 14.9 22.3
 179 15.1 11.8 17.6



#75
 Fluoranthene
 Concen: 20.855 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136958.D
 Acq: 05 Jan 2024 00:25

Tgt Ion:202 Resp: 162981
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 29.3
 203 17.8 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: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

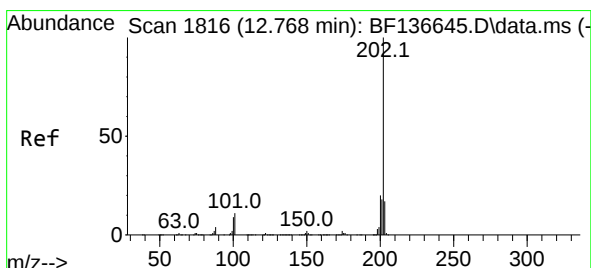
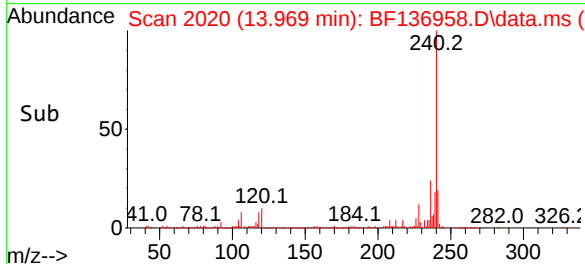
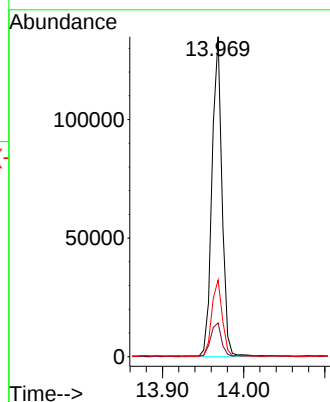
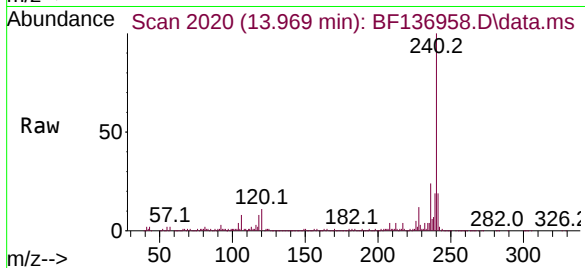
Tgt Ion:240 Resp: 116309

Ion Ratio Lower Upper

240 100

120 10.6 10.3 15.5

236 24.0 19.4 29.2



#78

Pyrene

Concen: 14.869 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

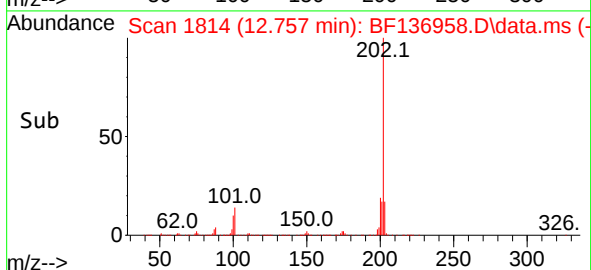
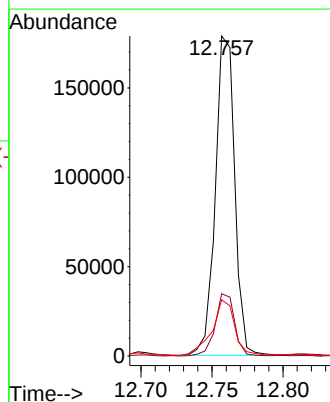
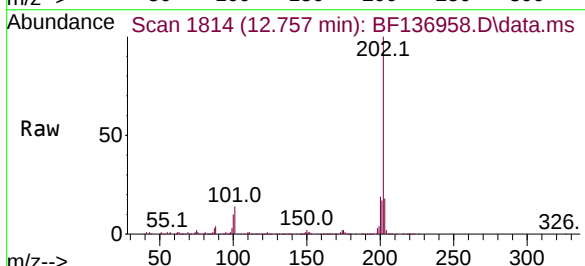
Tgt Ion:202 Resp: 169775

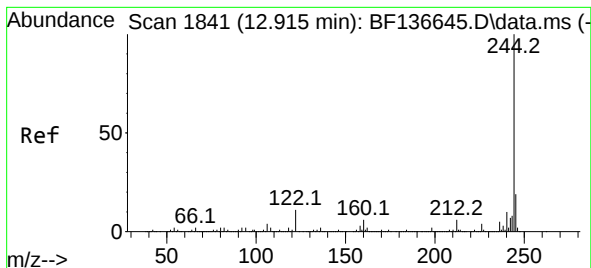
Ion Ratio Lower Upper

202 100

200 19.5 15.9 23.9

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 35.128 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

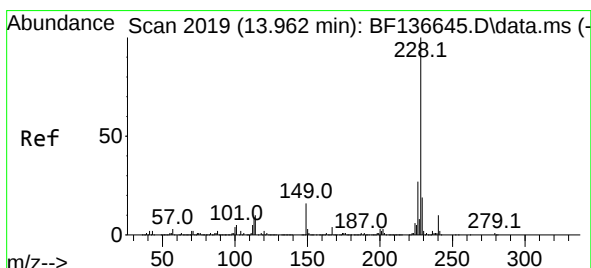
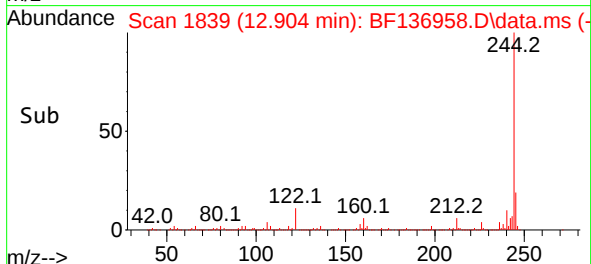
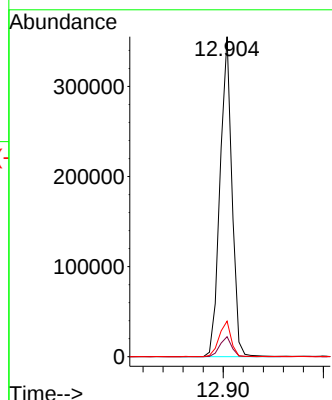
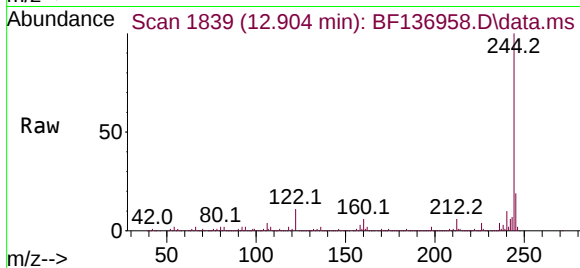
Tgt Ion:244 Resp: 292365

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.1 9.0 13.4



#81

Benzo(a)anthracene

Concen: 11.549 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

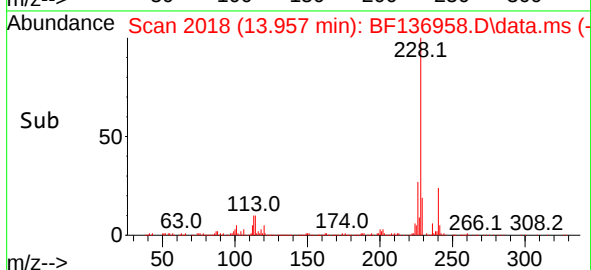
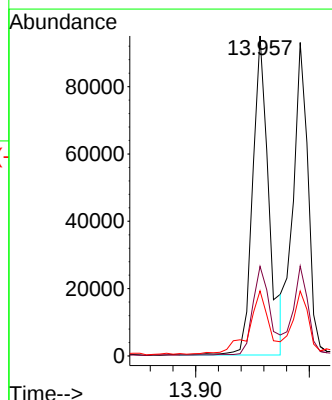
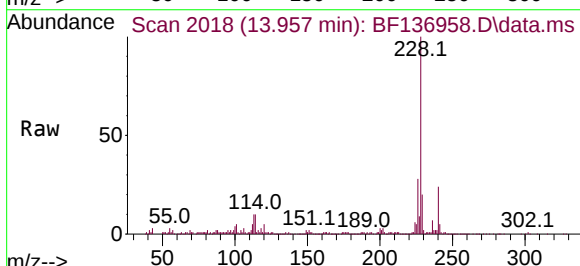
Tgt Ion:228 Resp: 93273

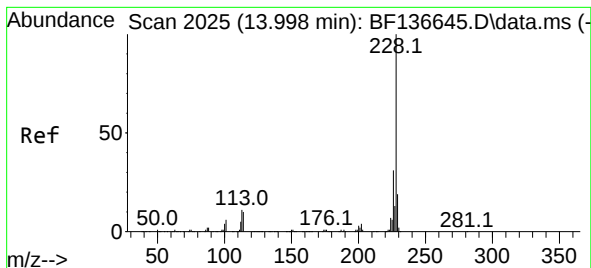
Ion Ratio Lower Upper

228 100

226 28.0 21.4 32.0

229 20.3 14.9 22.3





#83

Chrysene

Concen: 10.873 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

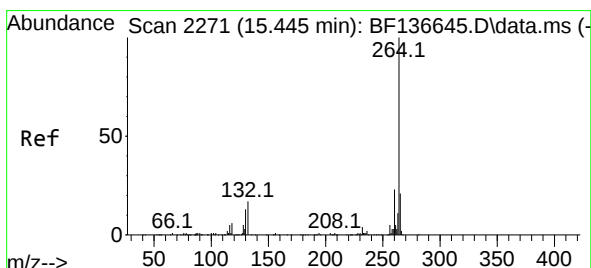
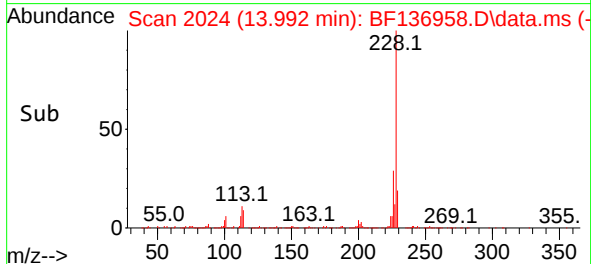
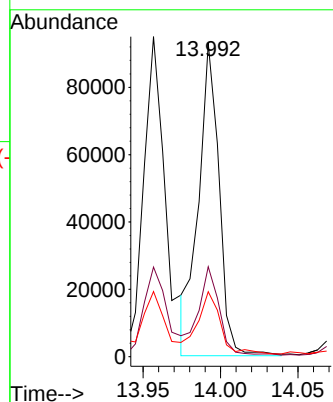
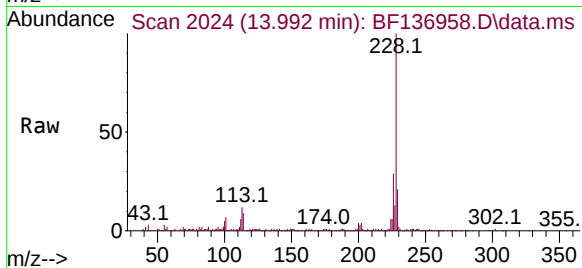
Tgt Ion:228 Resp: 85876

Ion Ratio Lower Upper

228 100

226 28.7 24.7 37.1

229 20.7 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: BF136958.D

Acq: 05 Jan 2024 00:25

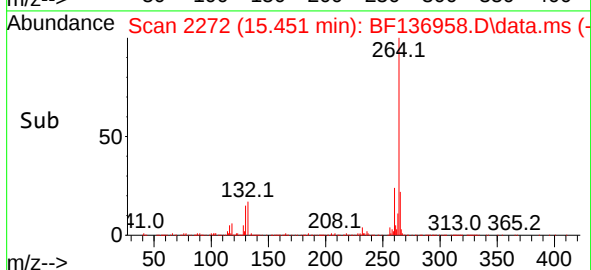
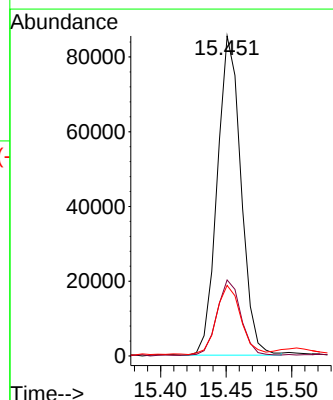
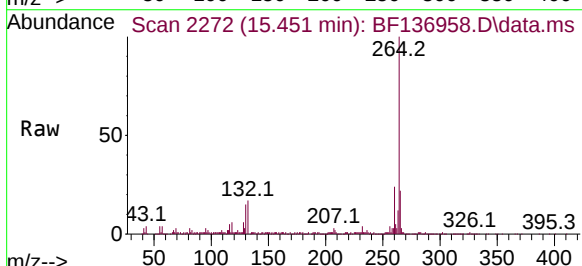
Tgt Ion:264 Resp: 107249

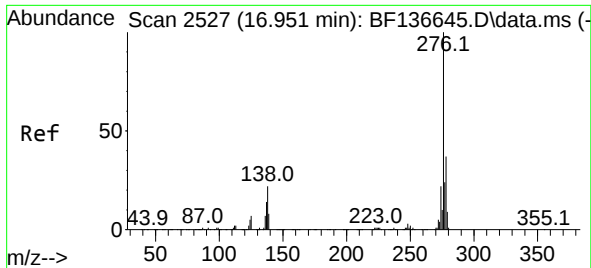
Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 22.0 17.0 25.6

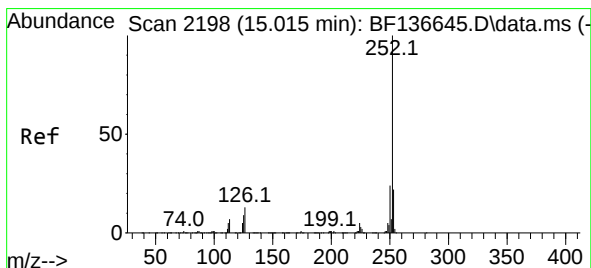
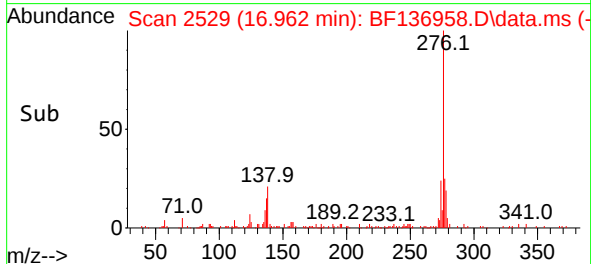
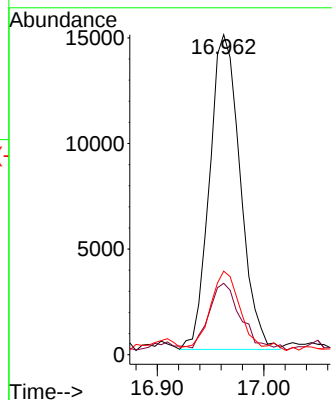
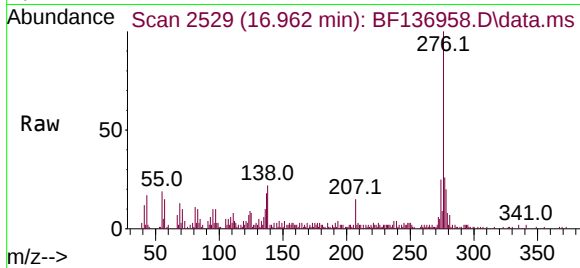




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.855 ng
 RT: 16.962 min Scan# 2198
 Delta R.T. 0.012 min
 Lab File: BF136958.D
 Acq: 05 Jan 2024 00:25

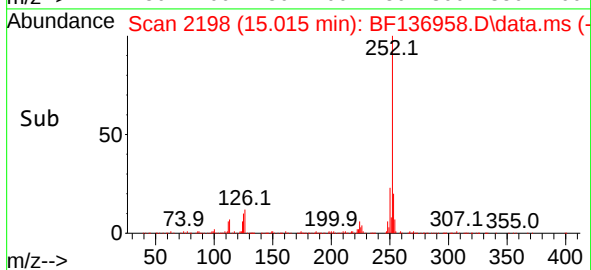
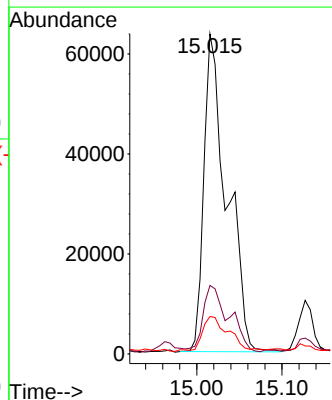
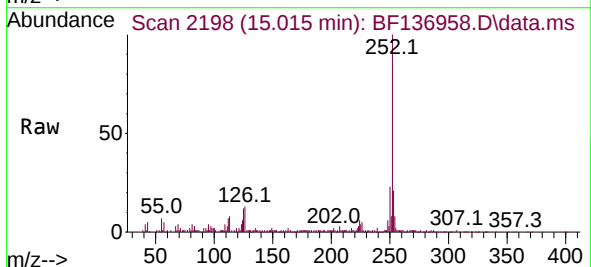
Instrument :
 BNA_F
 ClientSampleId :
 72-11978

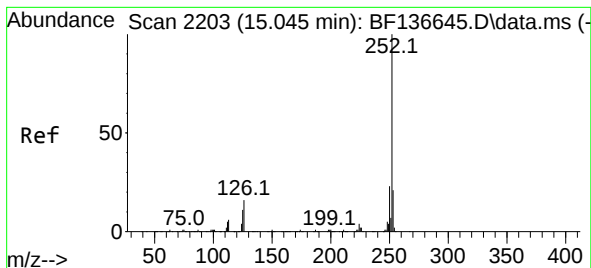
Tgt Ion:	276	Resp:	29852
Ion Ratio	Lower	Upper	
276	100		
138	22.2	18.7	28.1
277	25.1	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 16.649 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. 0.000 min
 Lab File: BF136958.D
 Acq: 05 Jan 2024 00:25

Tgt Ion:	252	Resp:	119259
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.4	26.0
125	11.7	7.4	11.2#





#89

Benzo(k)fluoranthene

Concen: 17.619 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

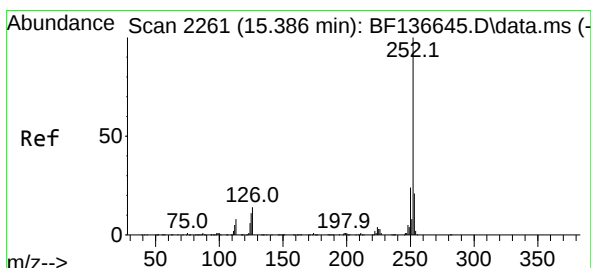
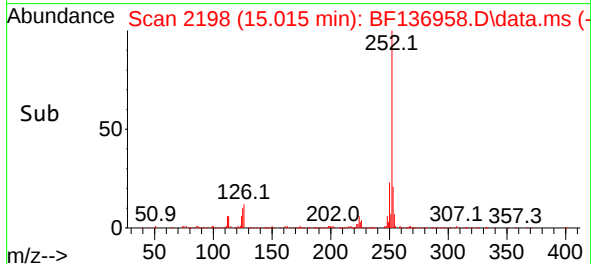
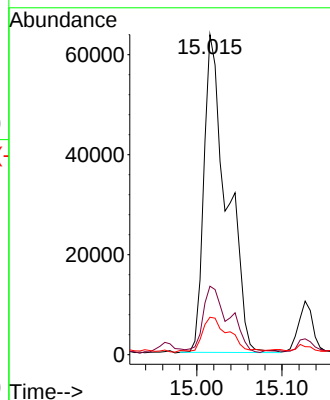
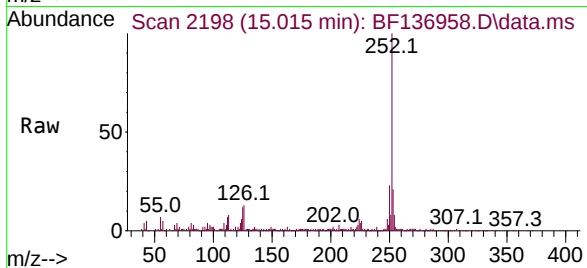
Tgt Ion:252 Resp: 119259

Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

125 11.7 8.2 12.4



#90

Benzo(a)pyrene

Concen: 9.766 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

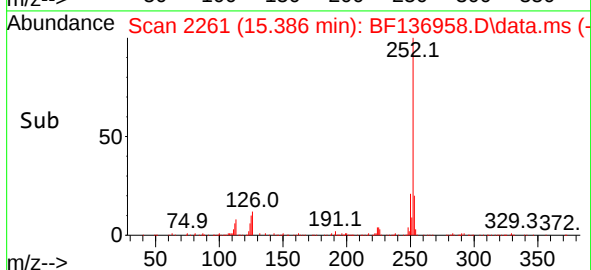
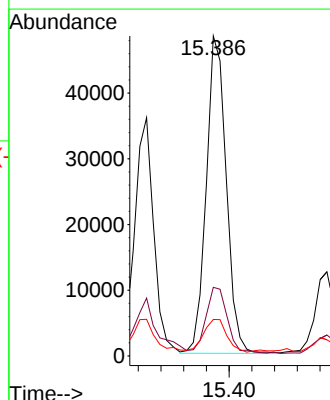
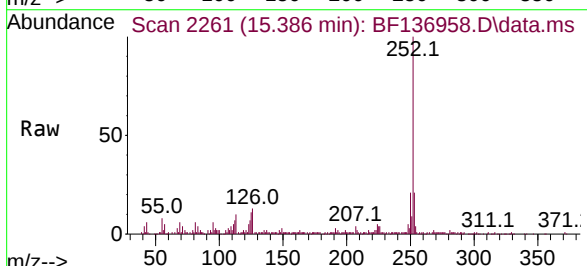
Tgt Ion:252 Resp: 59048

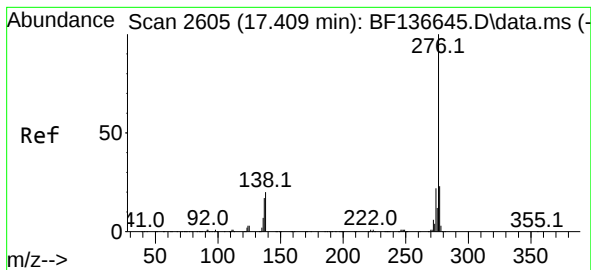
Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

125 11.4 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.533 ng

RT: 17.421 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF136958.D

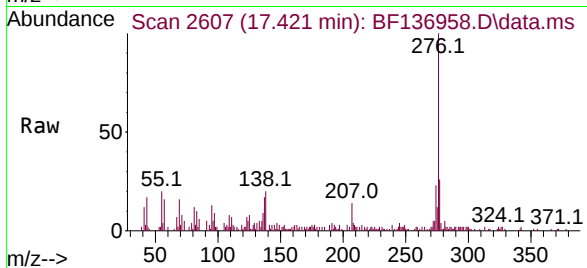
Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978



Tgt Ion:276 Resp: 29494

Ion Ratio Lower Upper

276 100

277 25.7 18.3 27.5

138 20.2 15.6 23.4

