

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136963.D
 Acq On : 05 Jan 2024 03:03
 Operator : CG\JU
 Sample : 06015-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jan 05 03:56:35 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)

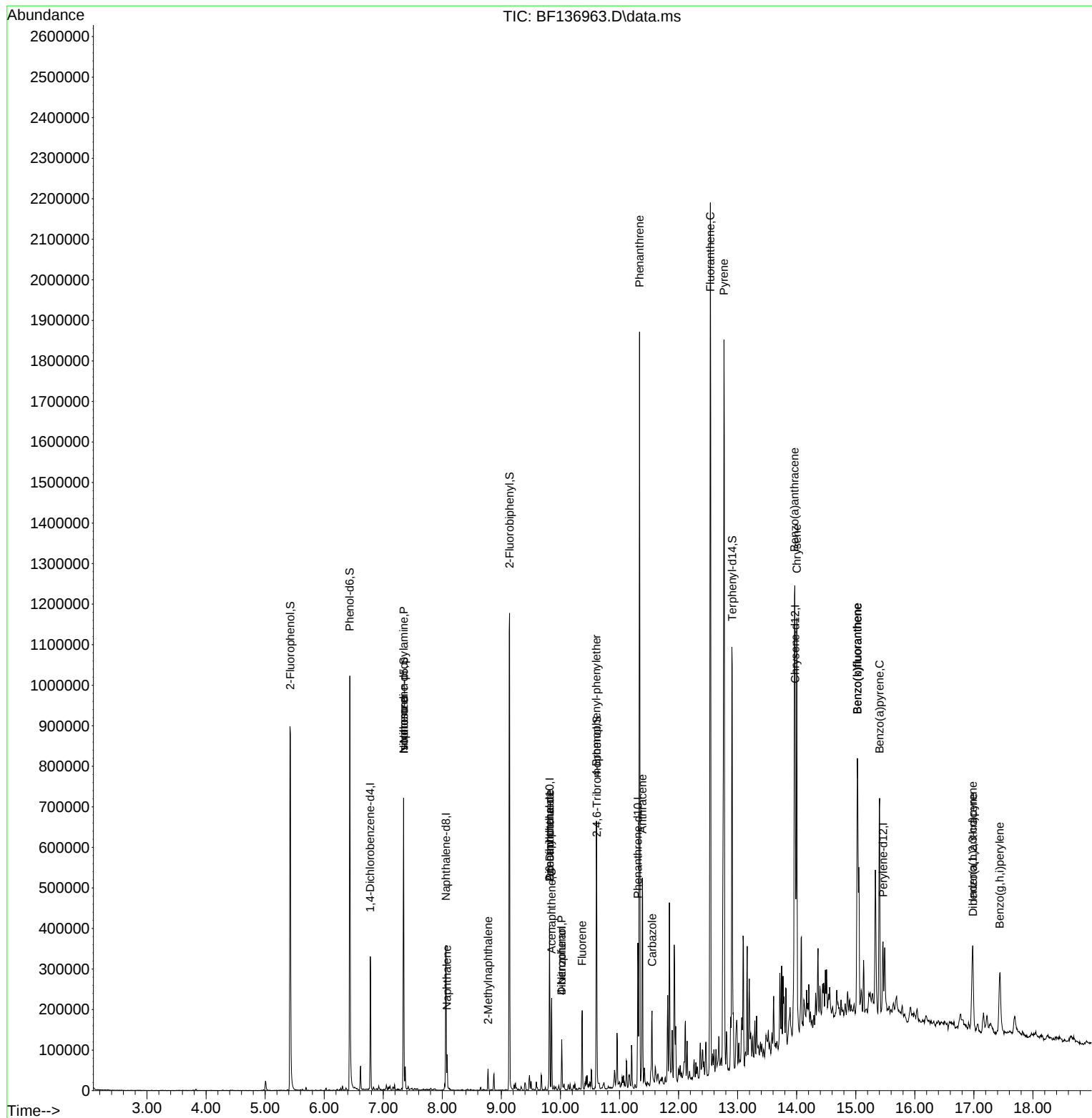
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	45683	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	164614	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	75407	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	135360	20.000	ng	0.00
76) Chrysene-d12	13.974	240	105908	20.000	ng	0.00
86) Perylene-d12	15.463	264	81893	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	273781	93.509	ng	0.00
7) Phenol-d6	6.434	99	329919	86.963	ng	0.00
23) Nitrobenzene-d5	7.345	82	197069	61.260	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	77290	87.030	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	380732	67.909	ng	-0.01
79) Terphenyl-d14	12.910	244	379081	50.020	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	25207	10.961	ng	# 74
25) Isophorone	7.345	82	197102	33.672	ng	# 65
31) Naphthalene	8.081	128	30258	3.346	ng	96
37) 2-Methylnaphthalene	8.775	142	13748	2.362	ng	98
50) Dimethylphthalate	9.816	163	14469	2.627	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	10548	8.438	ng	# 29
52) Acenaphthene	9.851	154	45974	10.087	ng	99
55) Dibenzofuran	10.022	168	41805	6.051	ng	98
56) 4-Nitrophenol	10.022	139	15021	16.804	ng	# 9
58) Fluorene	10.369	166	54048	9.859	ng	95
67) 4-Bromophenyl-phenylether	10.610	248	4733	3.148	ng	# 1
71) Phenanthrene	11.339	178	665963	95.885	ng	99
72) Anthracene	11.386	178	199749	28.398	ng	97
73) Carbazole	11.551	167	73791	11.127	ng	99
75) Fluoranthene	12.539	202	968059	130.305	ng	96
78) Pyrene	12.769	202	854819	82.221	ng	100
81) Benzo(a)anthracene	13.963	228	469129	63.791	ng	97
83) Chrysene	14.004	228	394391	54.841	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	136470	23.080	ng	96
88) Benzo(b)fluoranthene	15.027	252	506382	92.579	ng	# 97
89) Benzo(k)fluoranthene	15.027	252	506382	97.977	ng	97
90) Benzo(a)pyrene	15.404	252	258363	55.959	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	38598	7.957	ng	# 92
92) Benzo(g,h,i)perylene	17.439	276	133132	26.796	ng	98

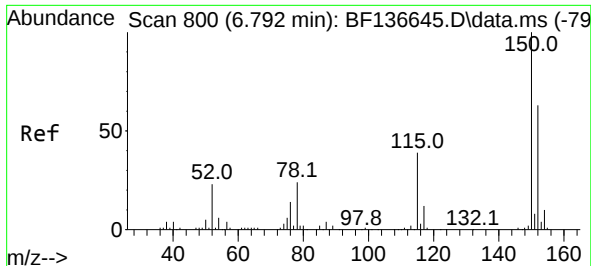
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
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MR-317-0-2D

Quant Time: Jan 05 03:56:35 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

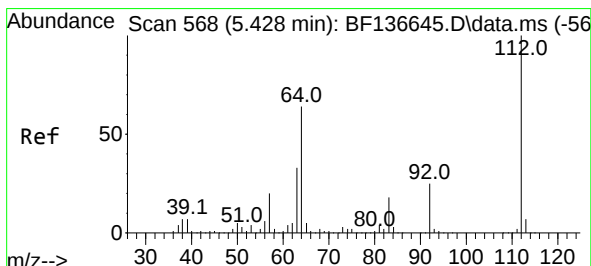
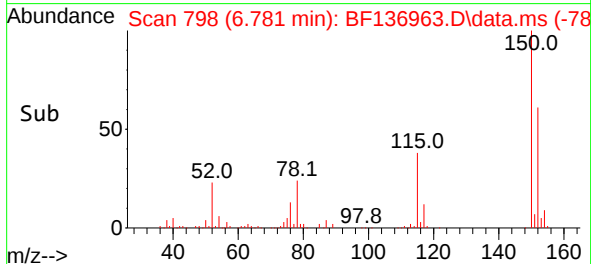
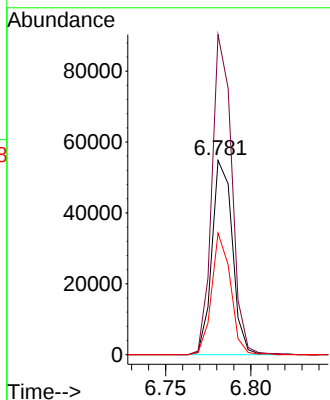
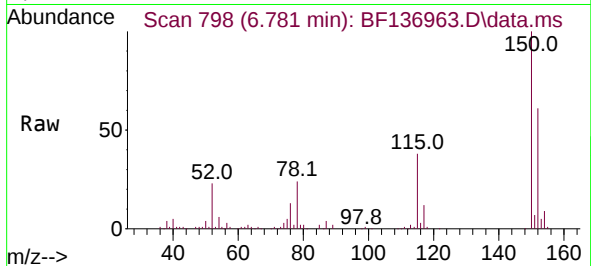




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

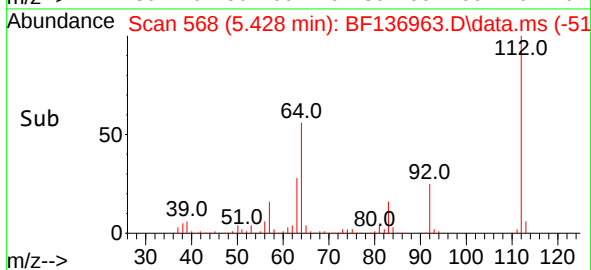
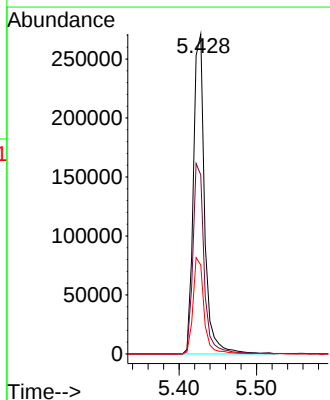
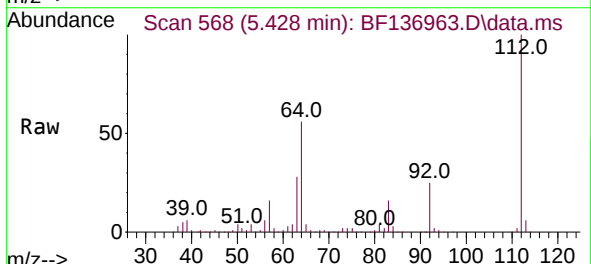
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2D

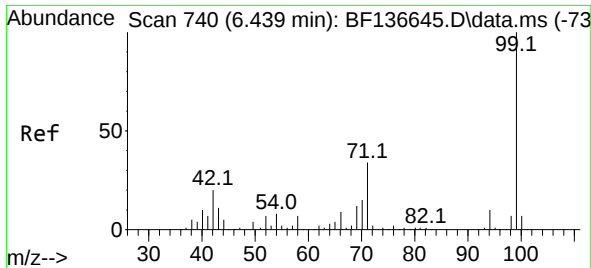
Tgt Ion:152 Resp: 45683
Ion Ratio Lower Upper
152 100
150 164.7 127.0 190.6
115 62.6 49.0 73.4



#5
2-Fluorophenol
Concen: 93.509 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:112 Resp: 273781
Ion Ratio Lower Upper
112 100
64 55.9 51.1 76.7
63 27.8 26.1 39.1

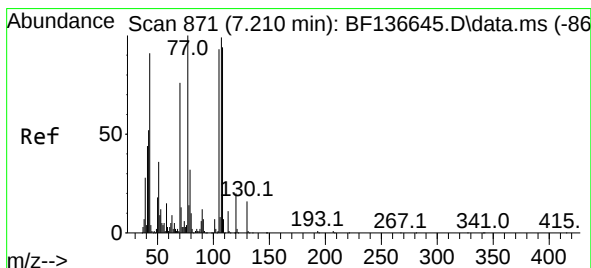
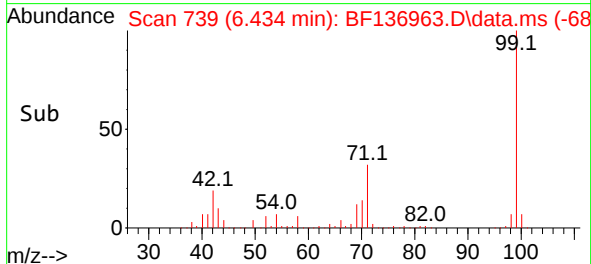
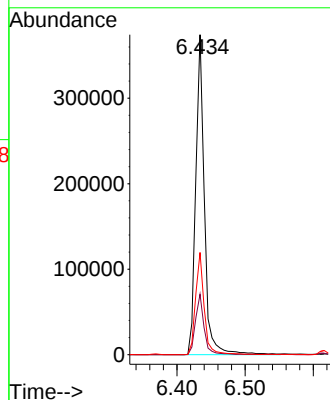
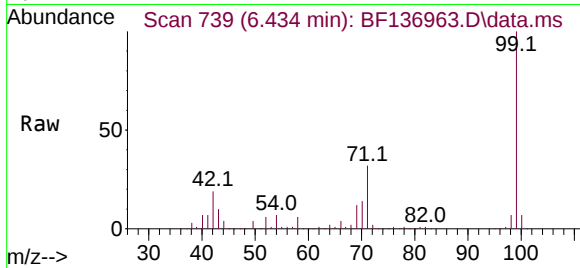




#7
Phenol-d6
Concen: 86.963 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

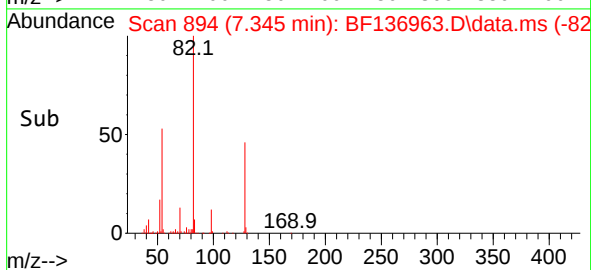
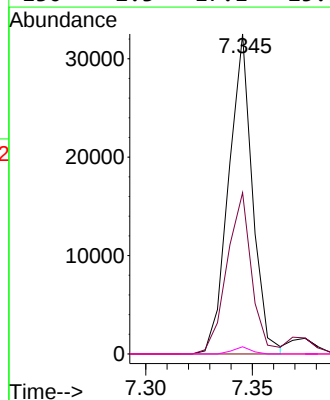
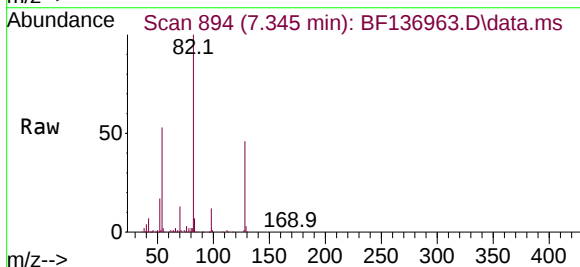
Instrument :
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ClientSampleId :
MR-317-0-2D

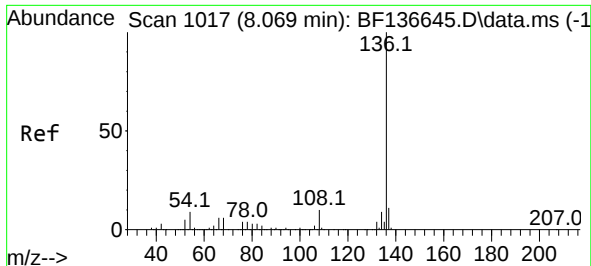
Tgt Ion: 99 Resp: 329919
Ion Ratio Lower Upper
99 100
42 18.9 16.1 24.1
71 31.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.961 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion: 70 Resp: 25207
Ion Ratio Lower Upper
70 100
42 50.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.3 17.1 25.7#

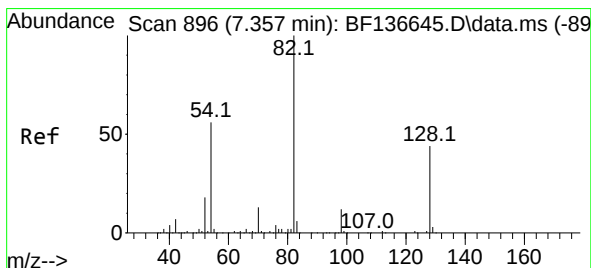
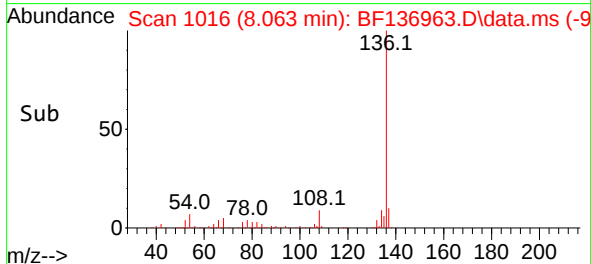
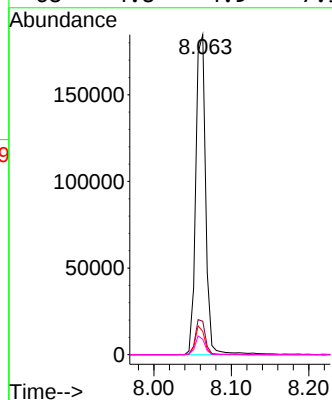
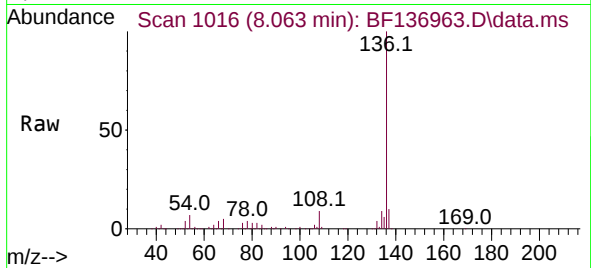




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

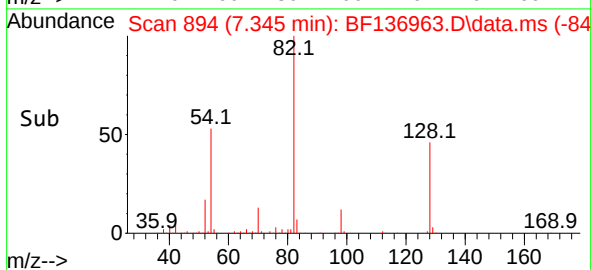
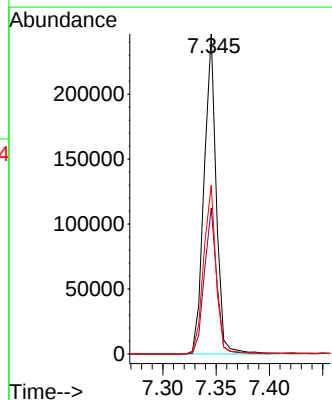
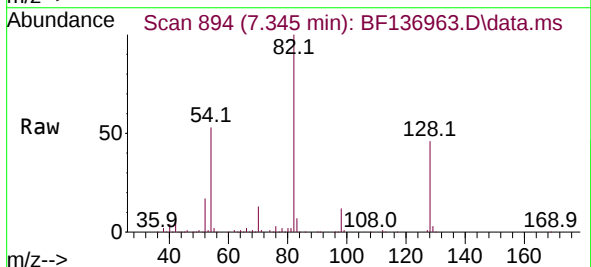
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2D

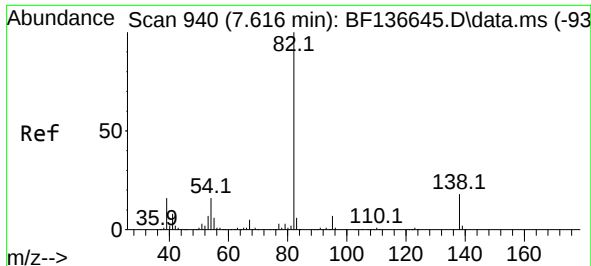
Tgt Ion:136 Resp: 164614
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 7.3 7.2 10.8
68 4.8 4.9 7.3#



#23
Nitrobenzene-d5
Concen: 61.260 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion: 82 Resp: 197069
Ion Ratio Lower Upper
82 100
128 45.6 35.3 52.9
54 52.8 44.5 66.7

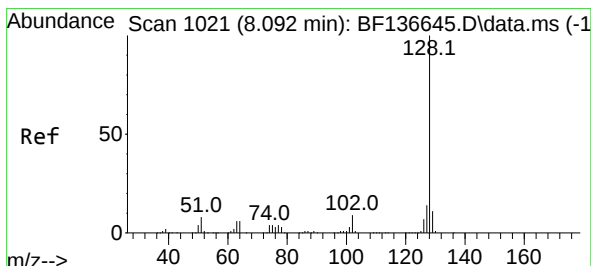
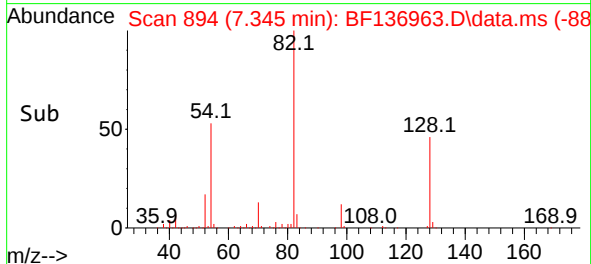
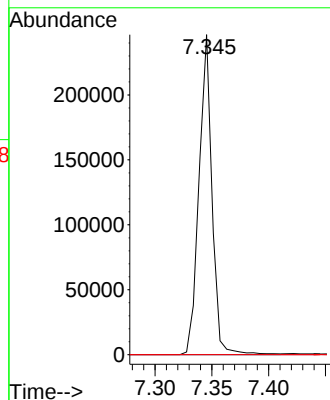
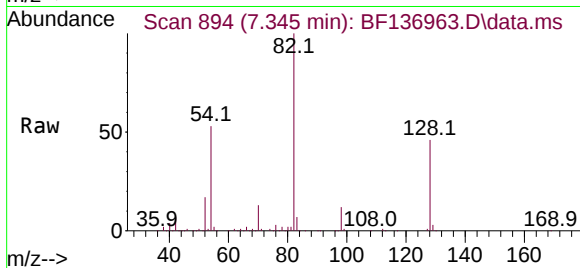




#25
Isophorone
Concen: 33.672 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

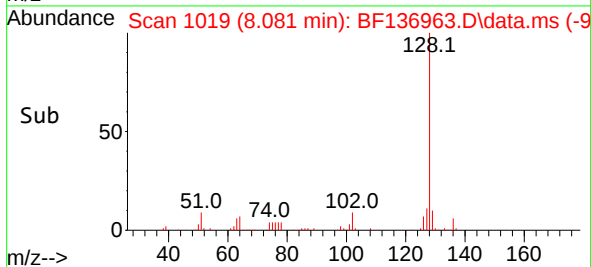
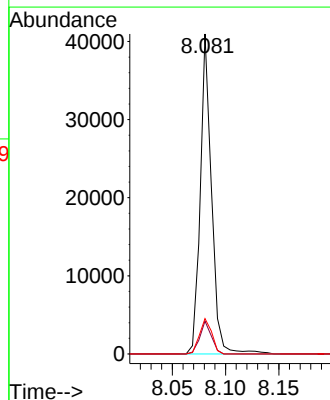
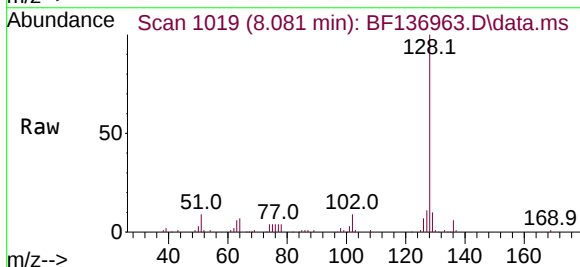
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ClientSampleId :
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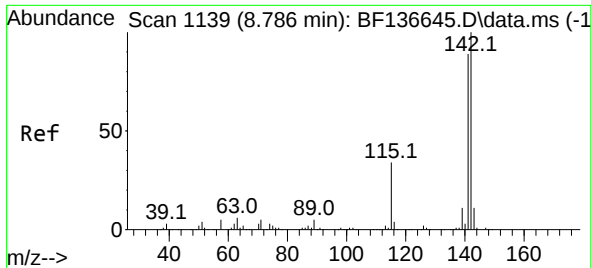
Tgt Ion: 82 Resp: 197102
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 3.346 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion: 128 Resp: 30258
Ion Ratio Lower Upper
128 100
129 10.2 8.7 13.1
127 11.0 10.8 16.2

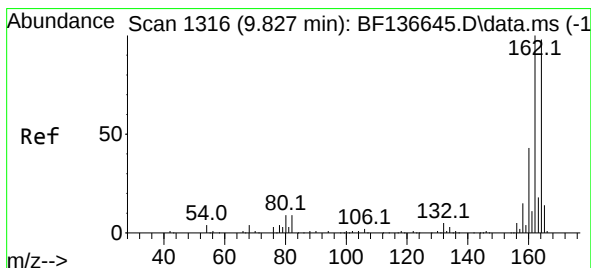
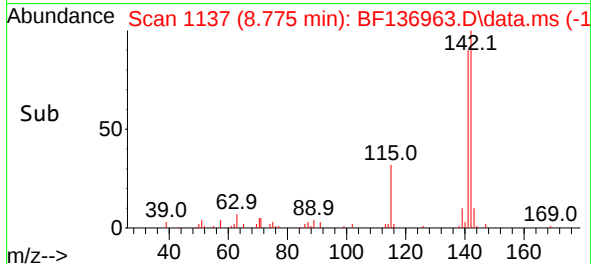
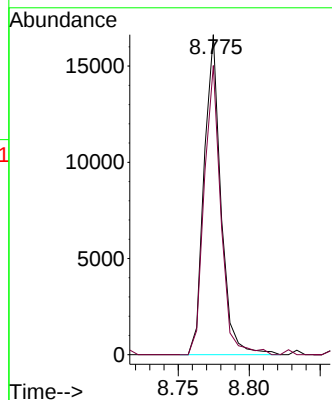
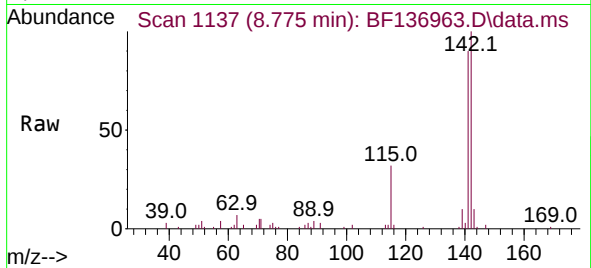




#37
2-Methylnaphthalene
Concen: 2.362 ng
RT: 8.775 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

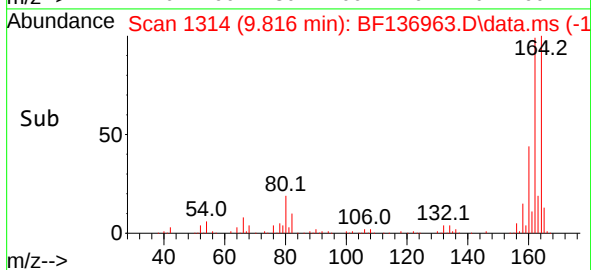
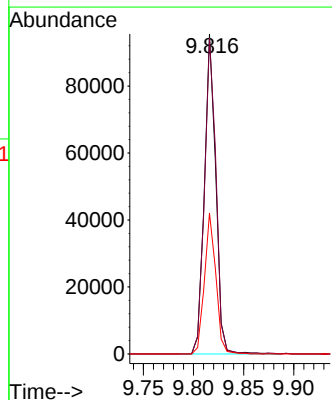
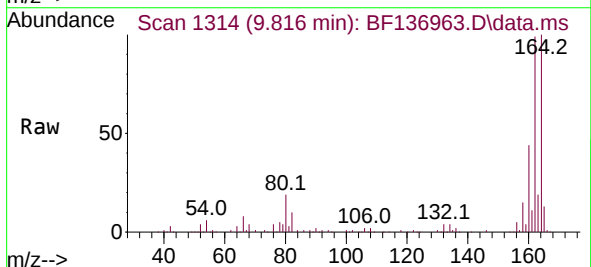
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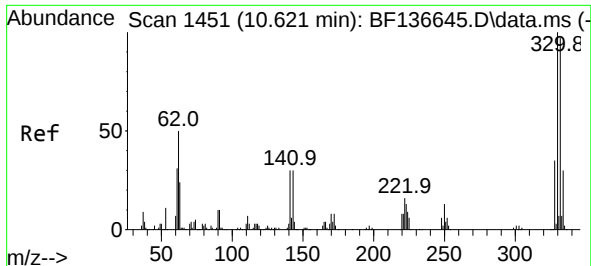
Tgt Ion:142 Resp: 13748
Ion Ratio Lower Upper
142 100
141 90.4 71.1 106.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

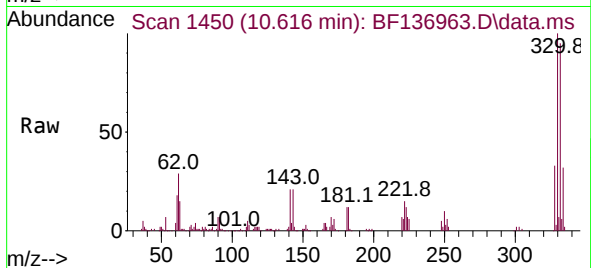
Tgt Ion:164 Resp: 75407
Ion Ratio Lower Upper
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162 98.8 81.6 122.4
160 44.0 34.9 52.3



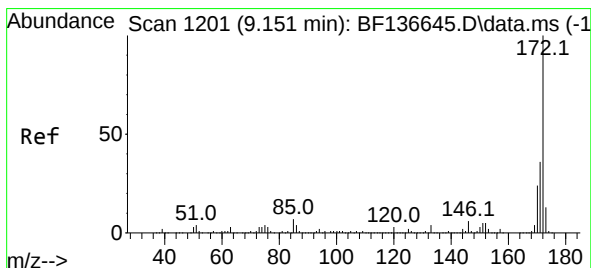
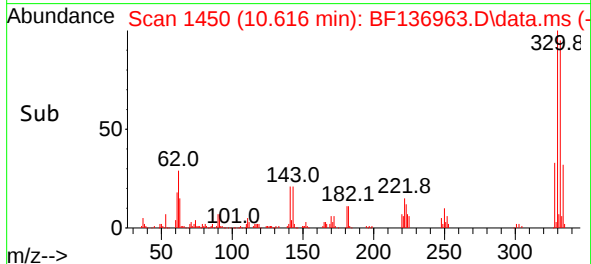
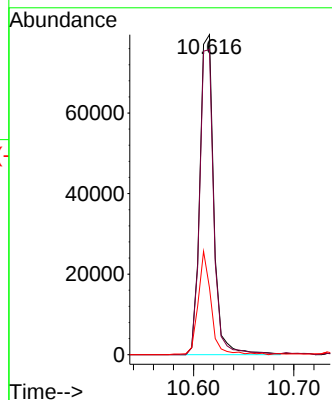


#42
2,4,6-Tribromophenol
Concen: 87.030 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

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

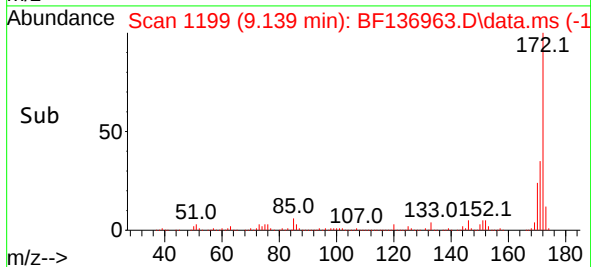
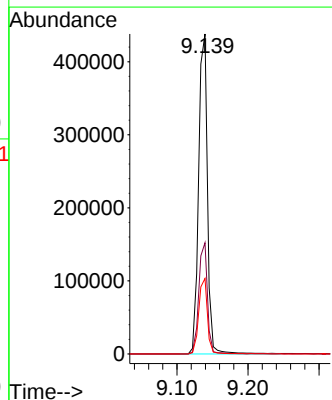
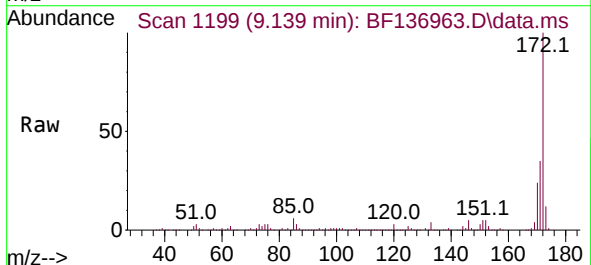


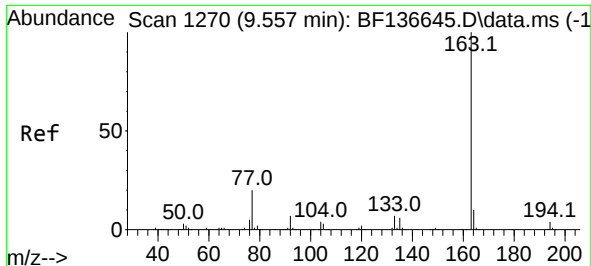
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Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 29.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 67.909 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:172 Resp: 380732
Ion Ratio Lower Upper
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171 34.8 29.0 43.6
170 23.6 19.0 28.4

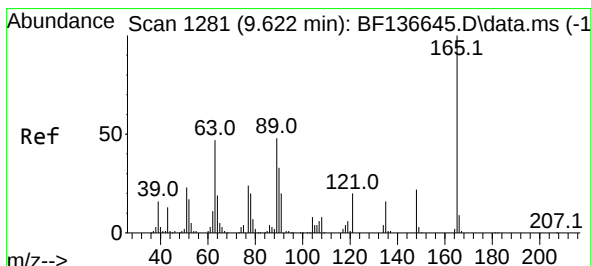
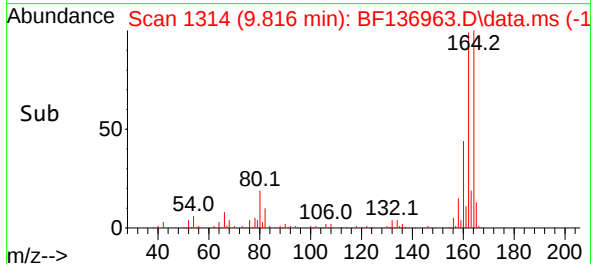
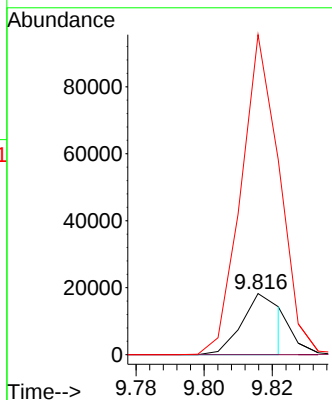
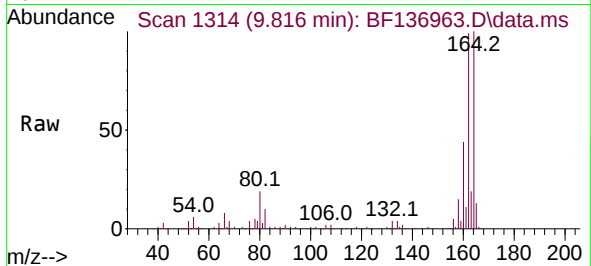




#50
Dimethylphthalate
Concen: 2.627 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

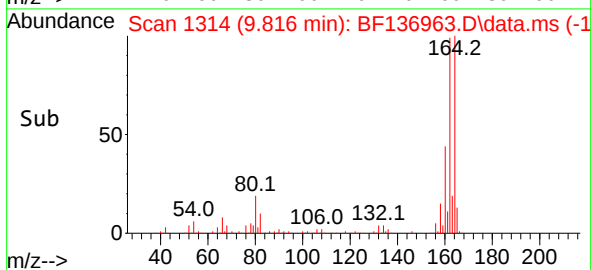
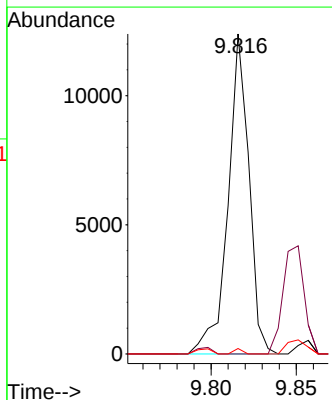
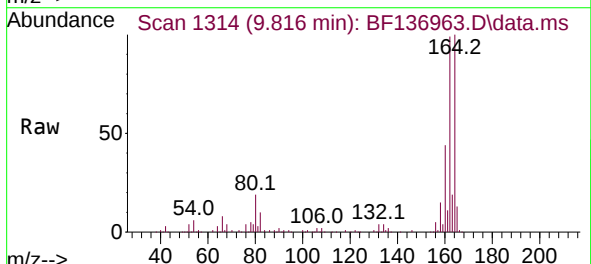
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ClientSampleId :
MR-317-0-2D

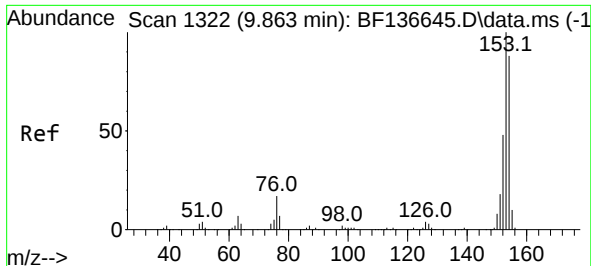
Tgt Ion:163 Resp: 14469
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 523.6 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.438 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:165 Resp: 10548
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.7 38.8 58.2#

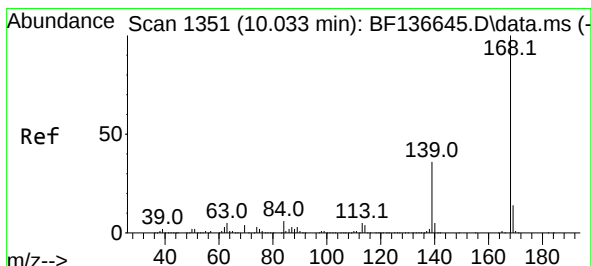
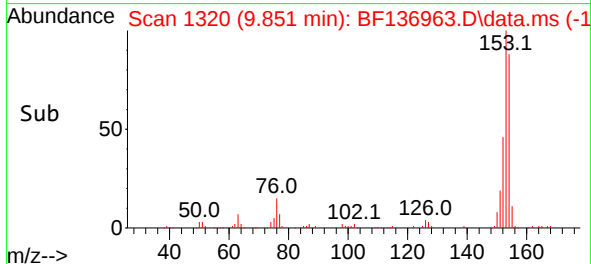
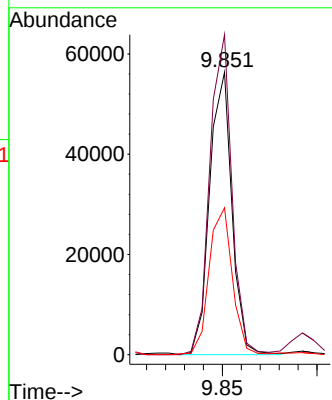
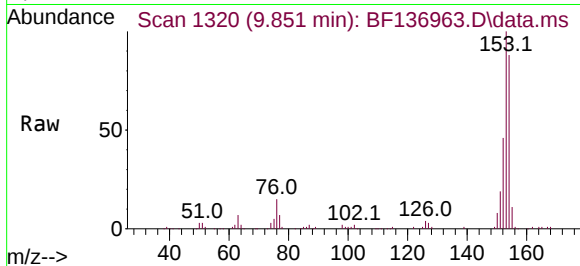




#52
Acenaphthene
Concen: 10.087 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

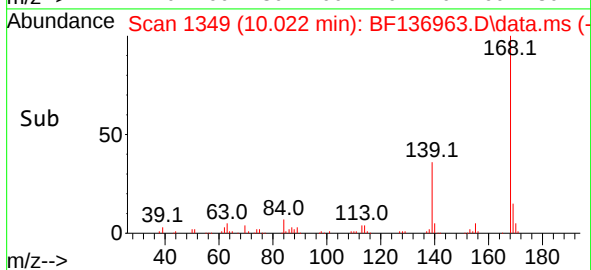
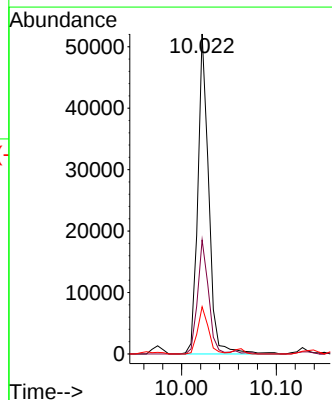
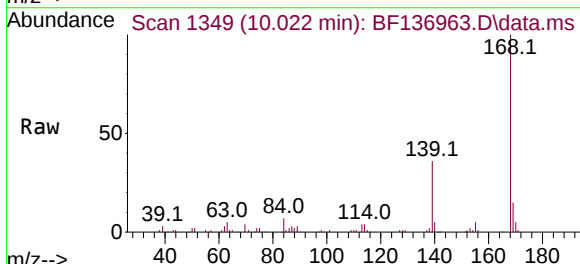
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2D

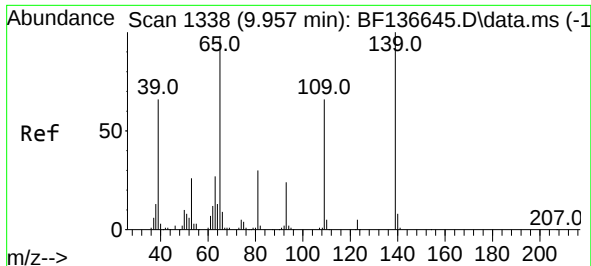
Tgt Ion:154 Resp: 45974
Ion Ratio Lower Upper
154 100
153 113.3 90.7 136.1
152 52.0 43.7 65.5



#55
Dibenzofuran
Concen: 6.051 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:168 Resp: 41805
Ion Ratio Lower Upper
168 100
139 35.7 29.3 43.9
169 14.8 11.0 16.4

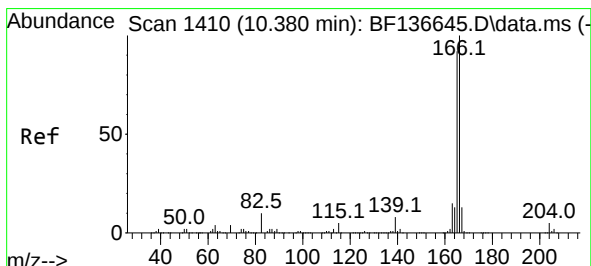
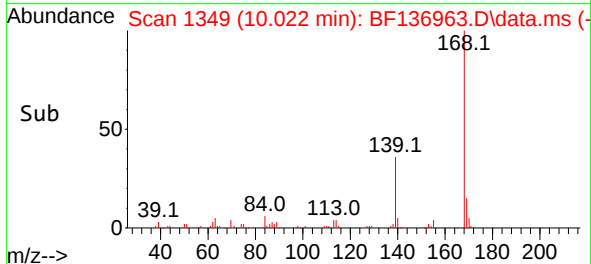
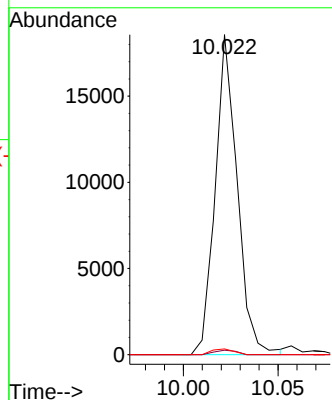
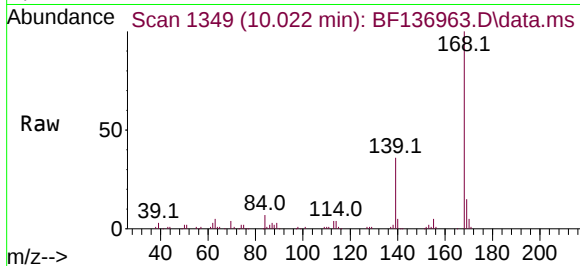




#56
4-Nitrophenol
Concen: 16.804 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

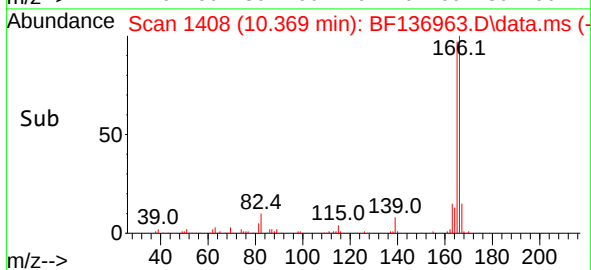
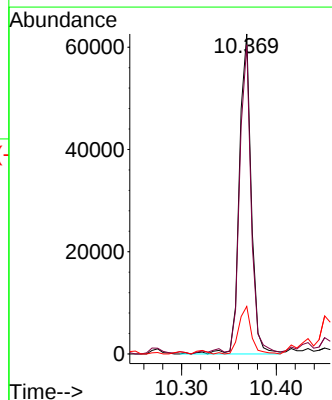
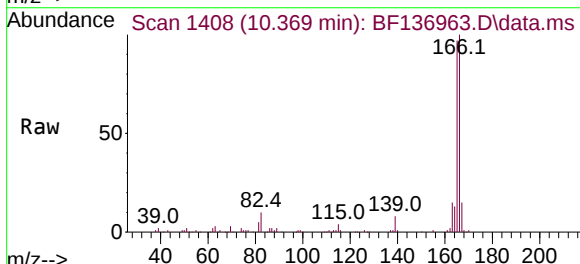
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2D

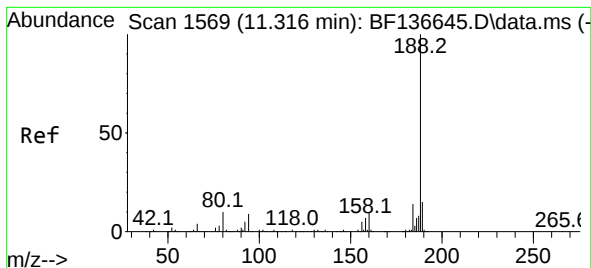
Tgt Ion:139 Resp: 15021
Ion Ratio Lower Upper
139 100
109 1.4 45.8 85.8#
65 1.8 77.8 117.8#



#58
Fluorene
Concen: 9.859 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:166 Resp: 54048
Ion Ratio Lower Upper
166 100
165 96.6 73.7 110.5
167 14.8 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

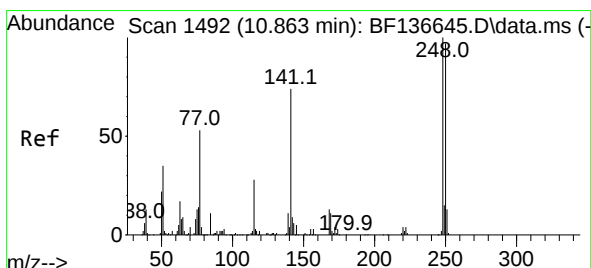
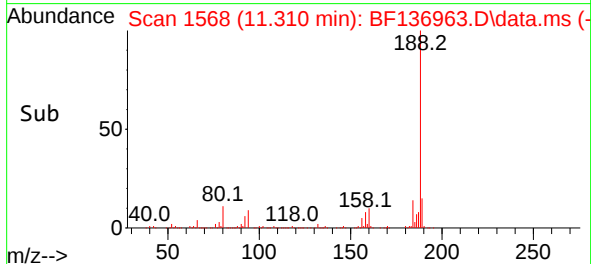
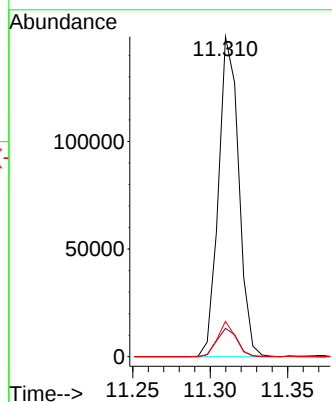
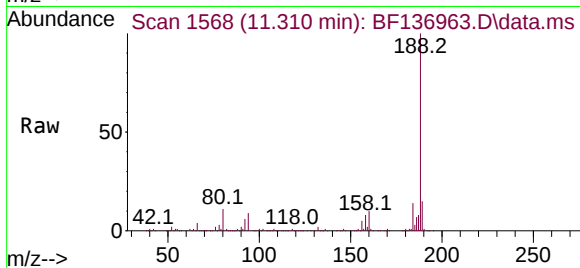
Tgt Ion:188 Resp: 135360

Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 11.0 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.148 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

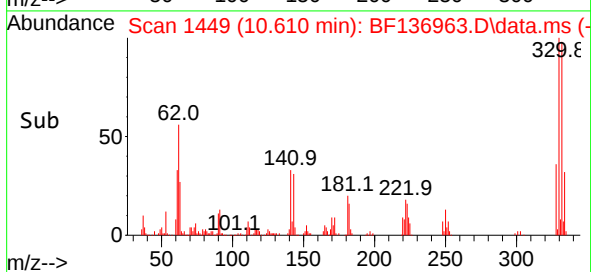
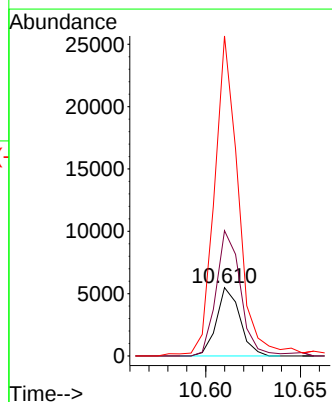
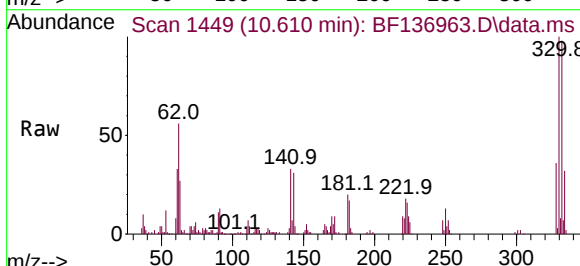
Tgt Ion:248 Resp: 4733

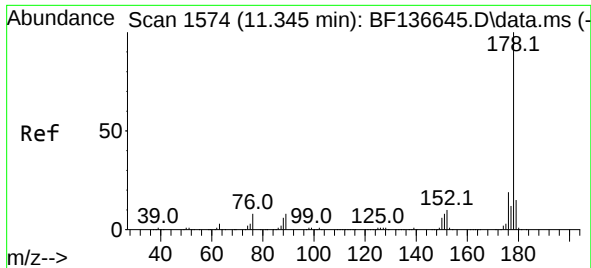
Ion Ratio Lower Upper

248 100

250 183.5 77.8 116.6#

141 468.4 59.2 88.8#

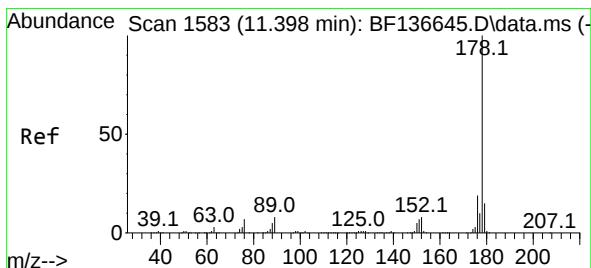
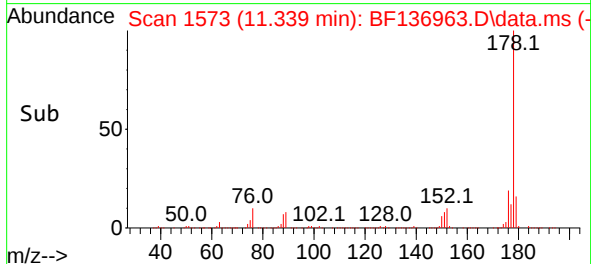
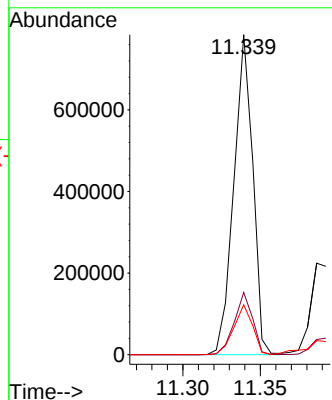
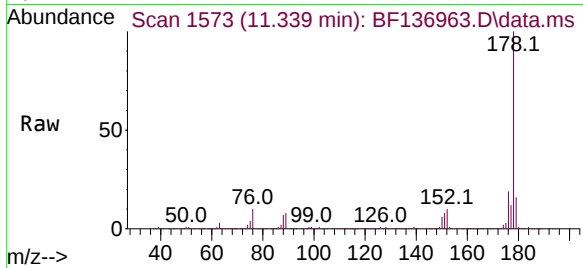




#71
Phenanthrene
Concen: 95.885 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

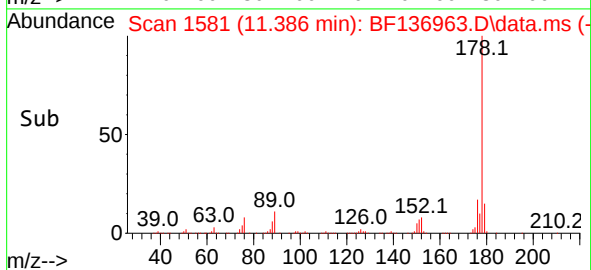
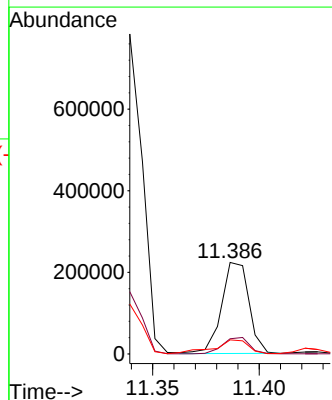
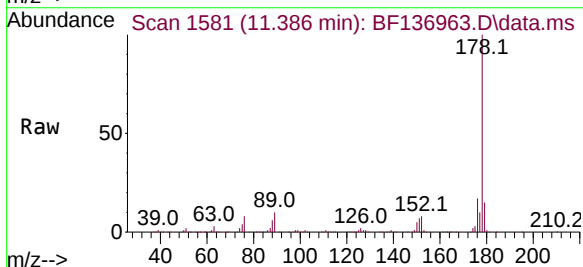
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2D

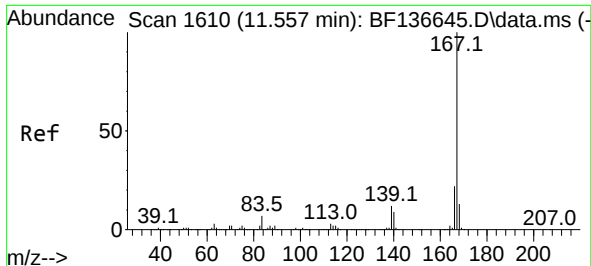
Tgt Ion:178 Resp: 665963
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 11.9 17.9



#72
Anthracene
Concen: 28.398 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:178 Resp: 199749
Ion Ratio Lower Upper
178 100
176 16.7 14.9 22.3
179 15.4 11.8 17.6

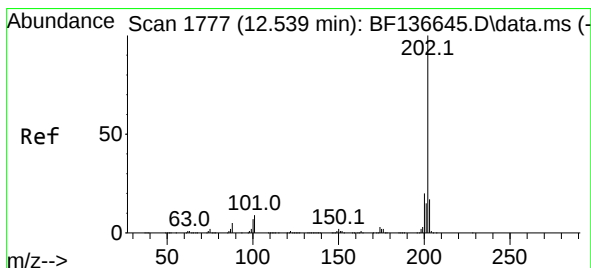
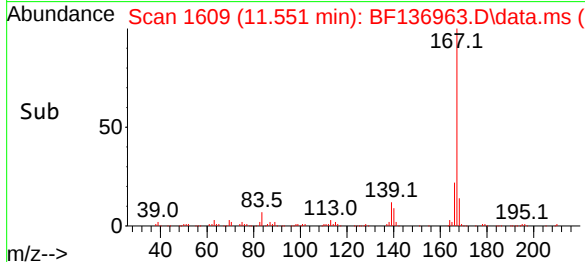
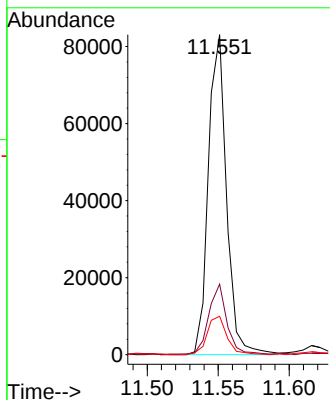
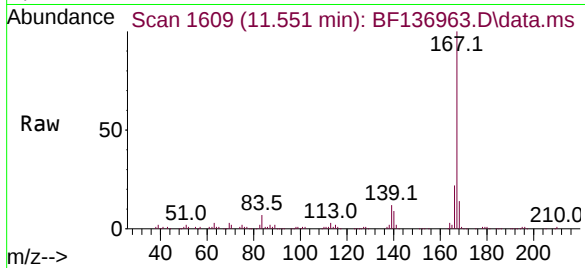




#73
 Carbazole
 Concen: 11.127 ng
 RT: 11.551 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03

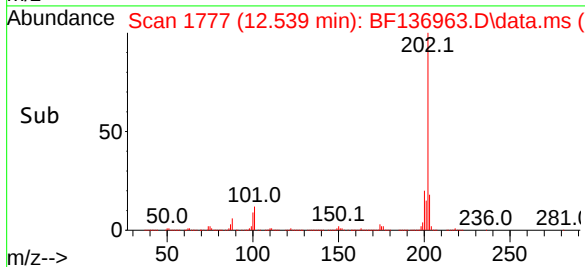
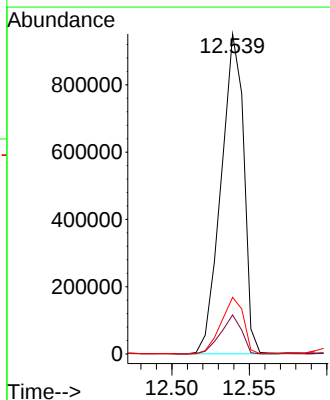
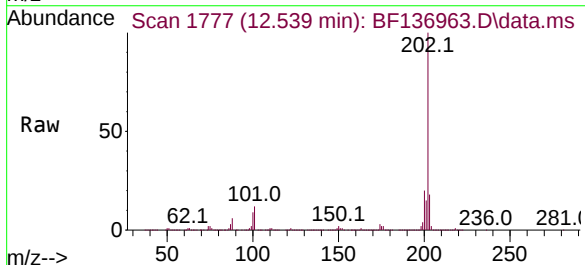
Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2D

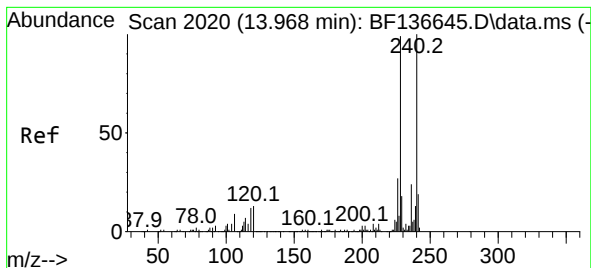
Tgt Ion:167 Resp: 73791
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 12.0 9.8 14.6



#75
 Fluoranthene
 Concen: 130.305 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03

Tgt Ion:202 Resp: 968059
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 29.3
 203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

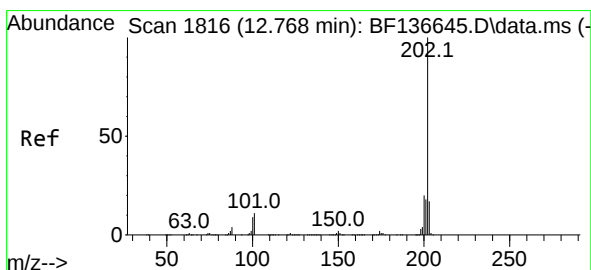
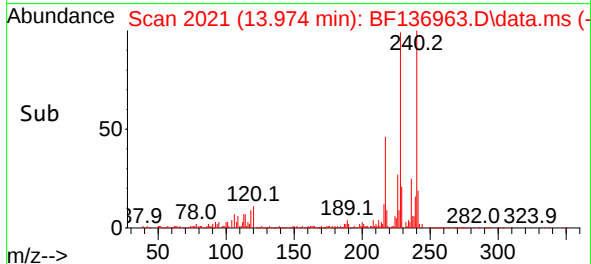
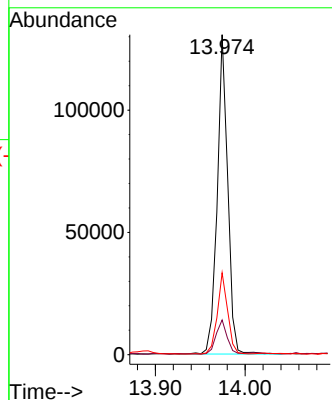
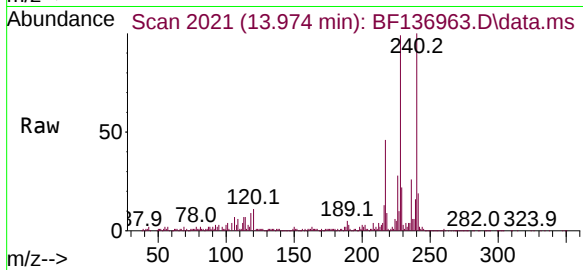
Tgt Ion:240 Resp: 105908

Ion Ratio Lower Upper

240 100

120 10.9 10.3 15.5

236 25.6 19.4 29.2



#78

Pyrene

Concen: 82.221 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

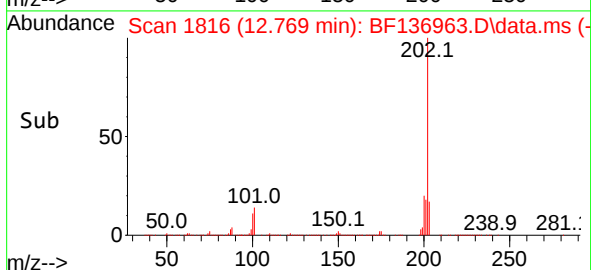
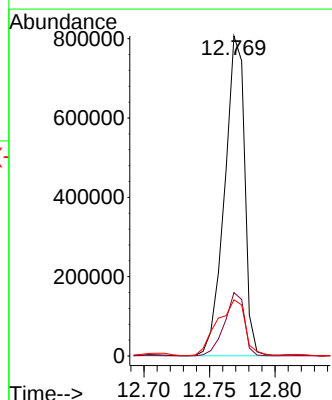
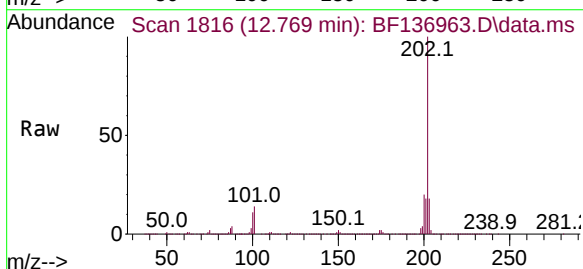
Tgt Ion:202 Resp: 854819

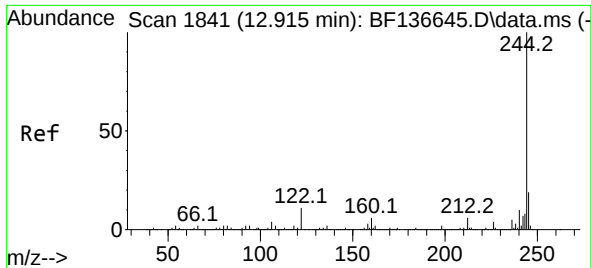
Ion Ratio Lower Upper

202 100

200 19.8 15.9 23.9

203 17.6 13.8 20.6

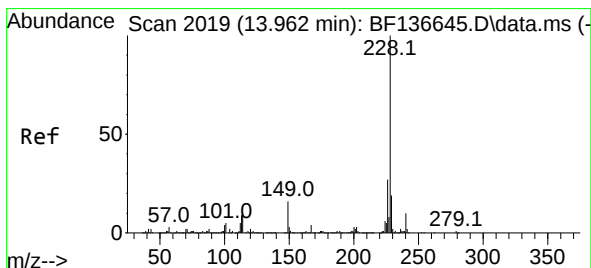
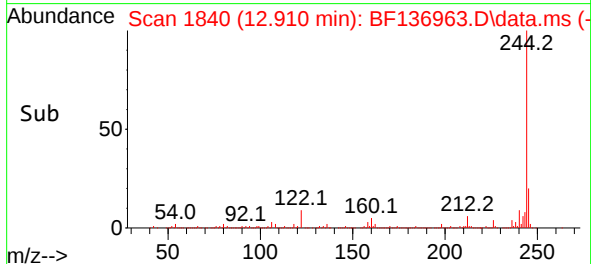
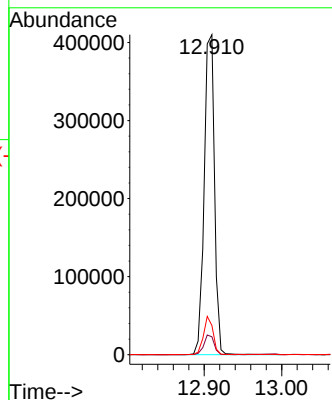
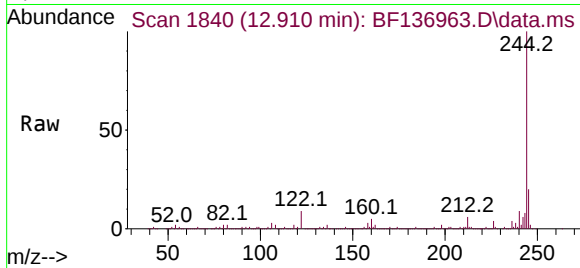




#79
 Terphenyl-d14
 Concen: 50.020 ng
 RT: 12.910 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03

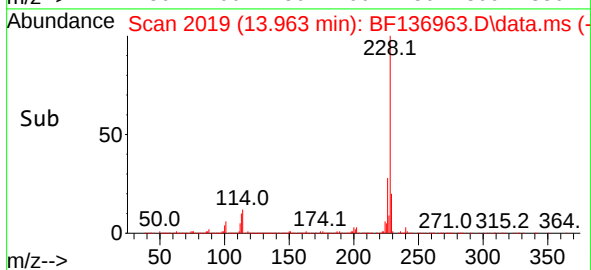
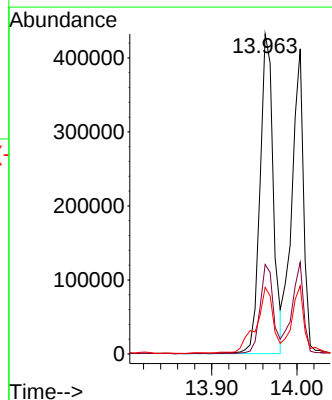
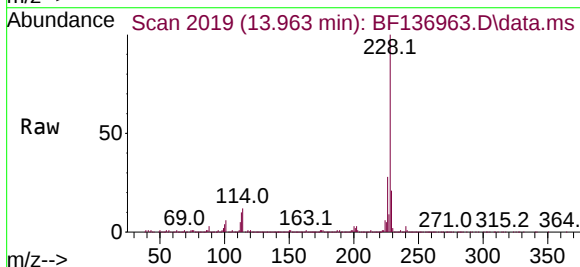
Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2D

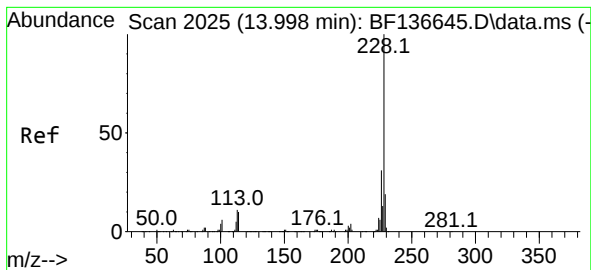
Tgt Ion:244 Resp: 379081
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.0 7.4
 122 9.2 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 63.791 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03

Tgt Ion:228 Resp: 469129
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.0
 229 20.8 14.9 22.3





#83

Chrysene

Concen: 54.841 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

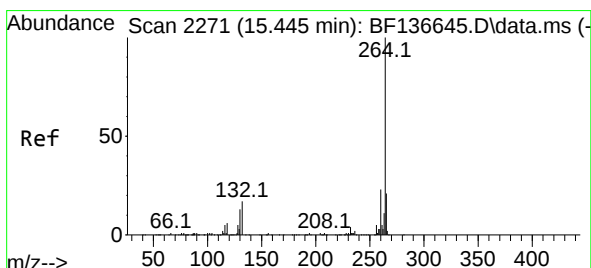
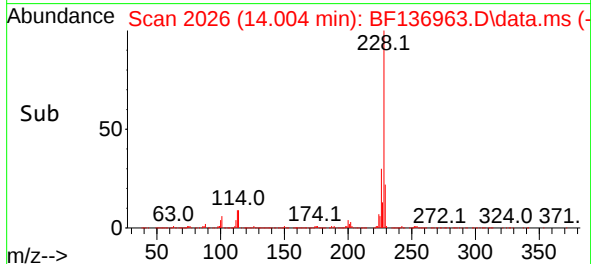
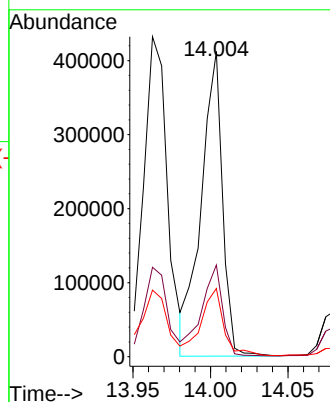
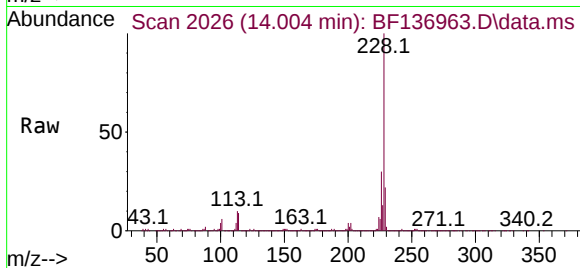
Tgt Ion:228 Resp: 394391

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 22.4 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

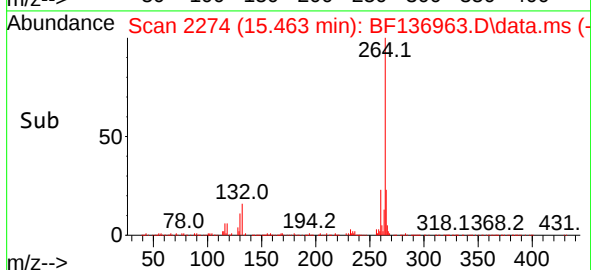
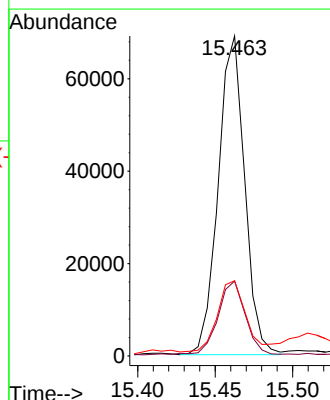
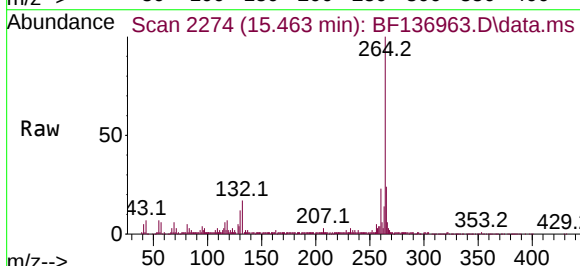
Tgt Ion:264 Resp: 81893

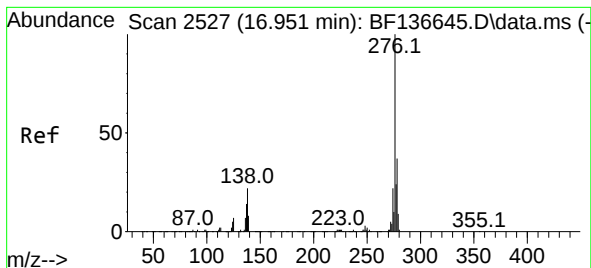
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 23.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.080 ng

RT: 16.980 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

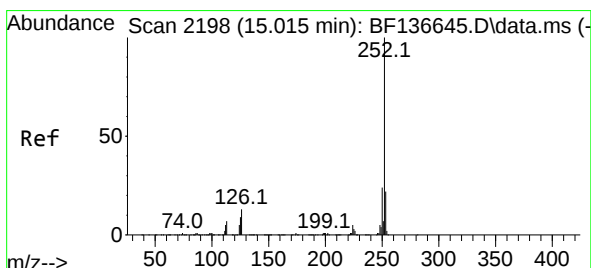
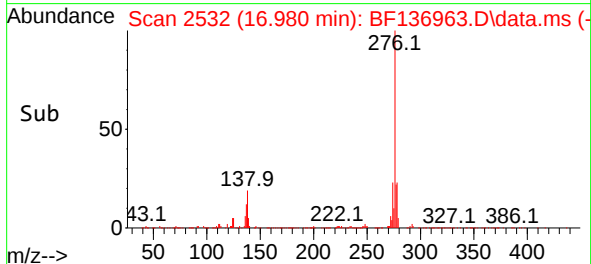
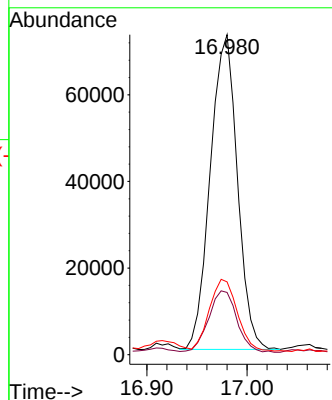
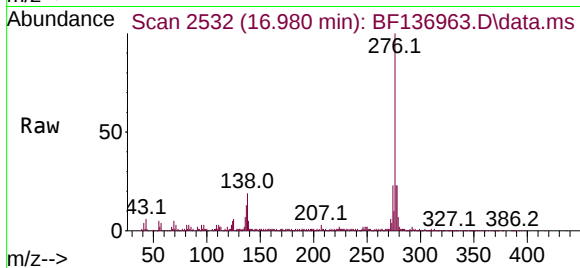
Tgt Ion:276 Resp: 136470

Ion Ratio Lower Upper

276 100

138 20.4 18.7 28.1

277 23.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 92.579 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

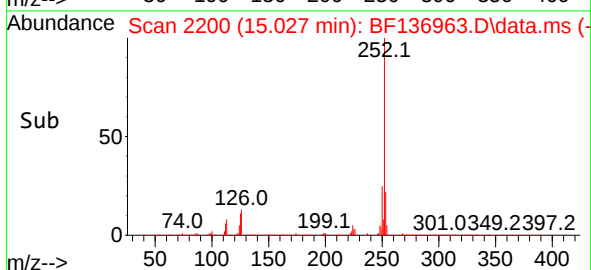
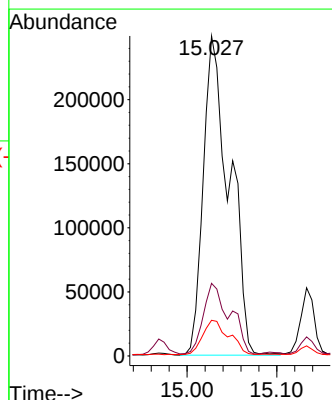
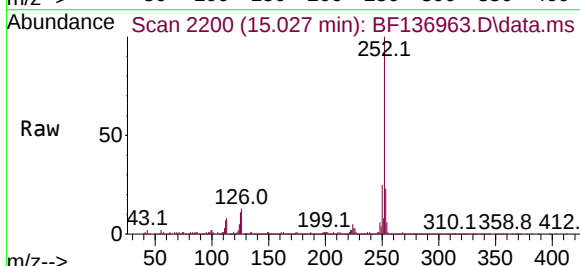
Tgt Ion:252 Resp: 506382

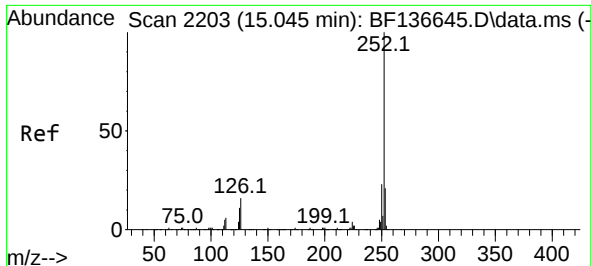
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 11.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 97.977 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

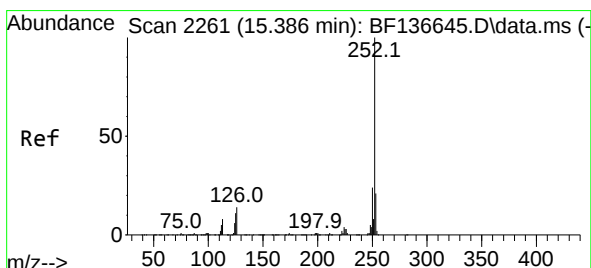
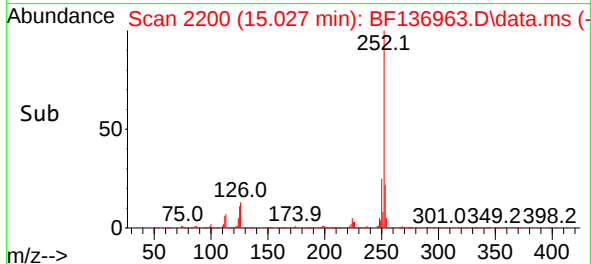
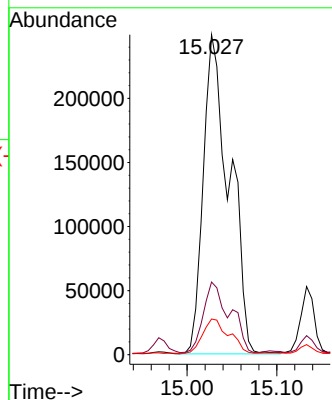
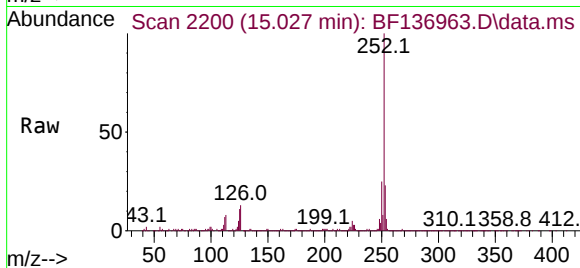
Tgt Ion:252 Resp: 506382

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 11.2 8.2 12.4



#90

Benzo(a)pyrene

Concen: 55.959 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.018 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

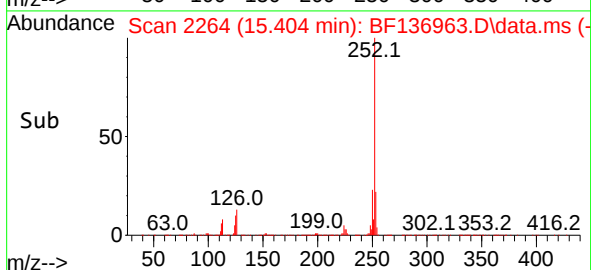
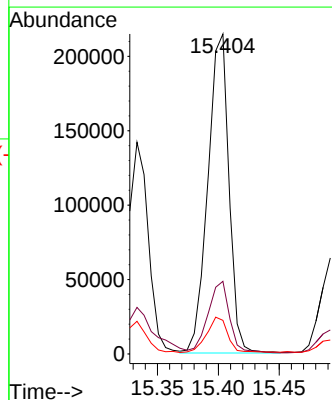
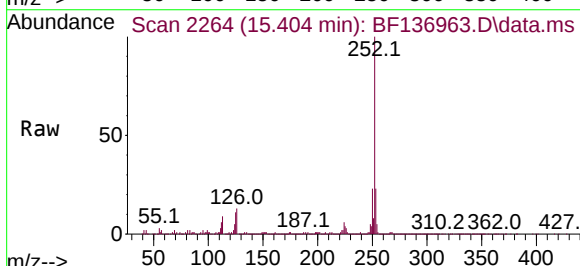
Tgt Ion:252 Resp: 258363

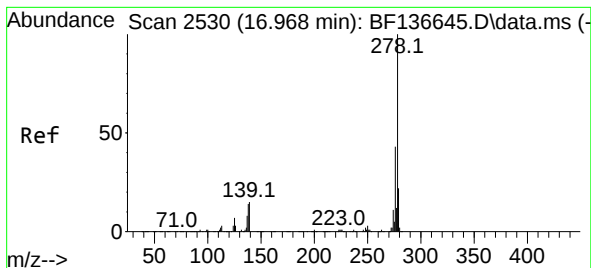
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 10.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.957 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

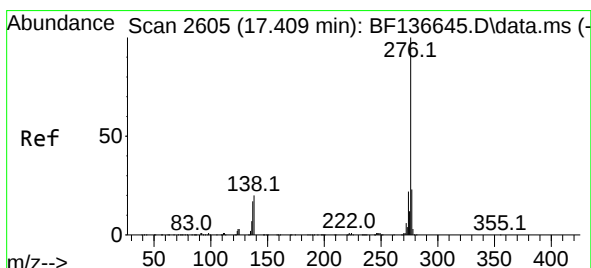
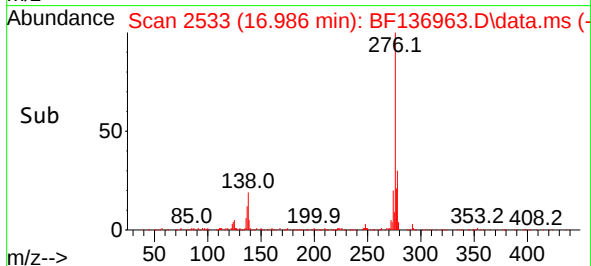
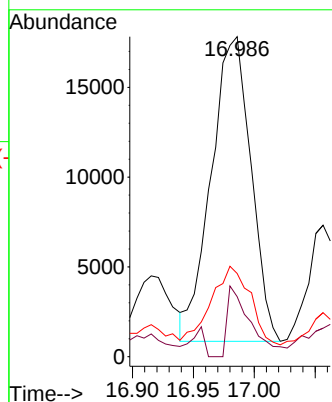
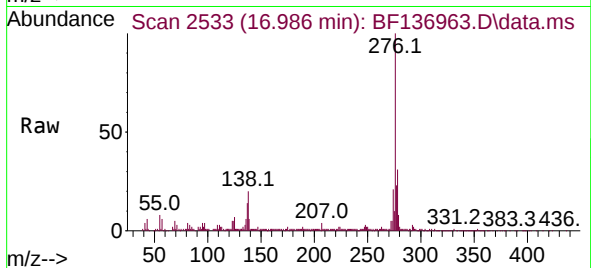
Tgt Ion:278 Resp: 38598

Ion Ratio Lower Upper

278 100

139 18.8 12.2 18.4#

279 26.0 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 26.796 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.030 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Tgt Ion:276 Resp: 133132

Ion Ratio Lower Upper

276 100

277 23.9 18.3 27.5

138 18.3 15.6 23.4

