

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136980.D
 Acq On : 05 Jan 2024 17:26
 Operator : CG\JU
 Sample : 06015-05RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-323-0-2

Quant Time: Jan 05 22:50:48 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	56703	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	193036	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	86944	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	152223	20.000	ng	0.00
76) Chrysene-d12	13.968	240	134157	20.000	ng	0.00
86) Perylene-d12	15.462	264	134022	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	315305	86.762	ng	0.00
7) Phenol-d6	6.434	99	373298	79.274	ng	0.00
23) Nitrobenzene-d5	7.345	82	229128	60.739	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	82361	80.434	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	395246	61.143	ng	-0.02
79) Terphenyl-d14	12.904	244	393069	40.945	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	29625	10.378	ng	# 71
25) Isophorone	7.345	82	229125	33.380	ng	# 65
50) Dimethylphthalate	9.816	163	17946	2.826	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11624	8.065	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	11624	6.213	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	4840	2.863	ng	# 1
71) Phenanthrene	11.333	178	67545	8.648	ng	98
75) Fluoranthene	12.533	202	128477	15.378	ng	100
78) Pyrene	12.762	202	109050	8.280	ng	99
81) Benzo(a)anthracene	13.957	228	60556	6.500	ng	92
83) Chrysene	13.998	228	67184	7.375	ng	96
84) Bis(2-ethylhexyl)phtha...	13.945	149	15460	2.564	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.974	276	30494	3.151	ng	98
88) Benzo(b)fluoranthene	15.021	252	118046	13.187	ng	# 95
89) Benzo(k)fluoranthene	15.021	252	118046	13.956	ng	# 95
90) Benzo(a)pyrene	15.392	252	57199	7.570	ng	# 93
92) Benzo(g,h,i)perylene	17.439	276	28035	3.448	ng	# 93

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

BNA F

BNA F

ClientSampleId :

MR-323-0-2

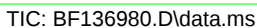
Quant Time: Jan 05 22:50:48 2024

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

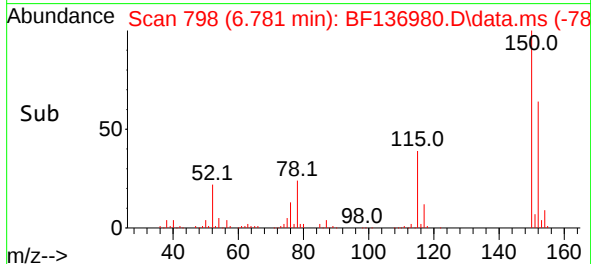
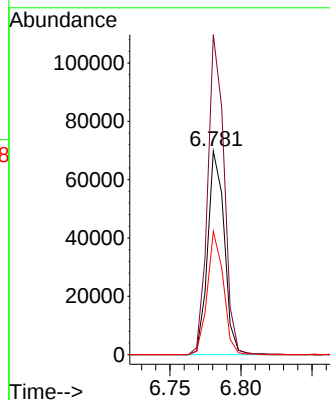
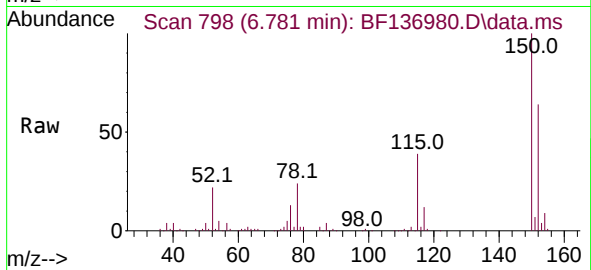




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

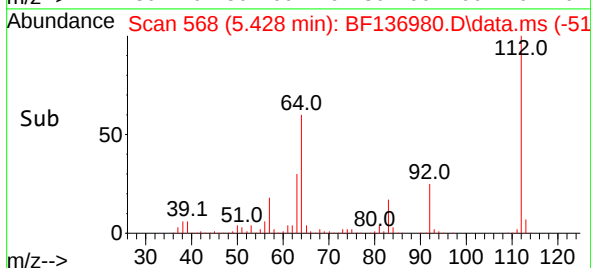
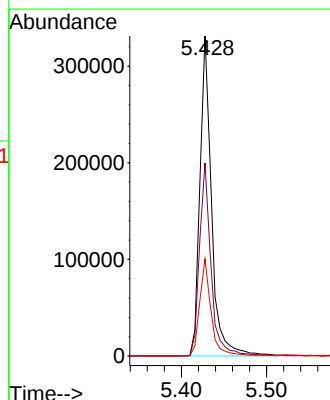
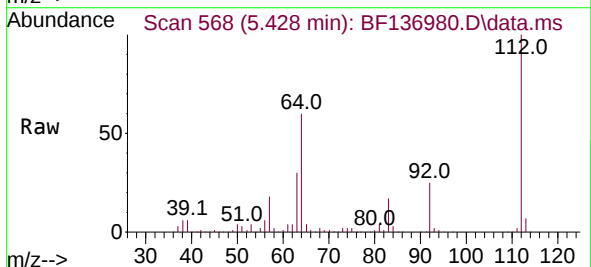
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

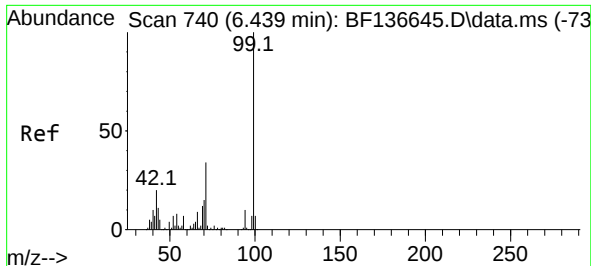
Tgt Ion:152 Resp: 56703
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.6
115 60.6 49.0 73.4



#5
2-Fluorophenol
Concen: 86.762 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:112 Resp: 315305
Ion Ratio Lower Upper
112 100
64 60.3 51.1 76.7
63 30.4 26.1 39.1





#7
Phenol-d6
Concen: 79.274 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

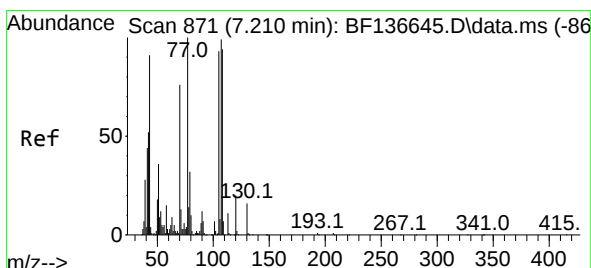
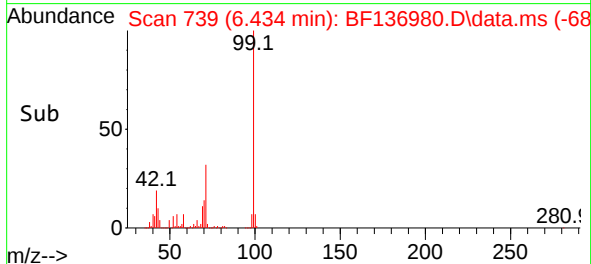
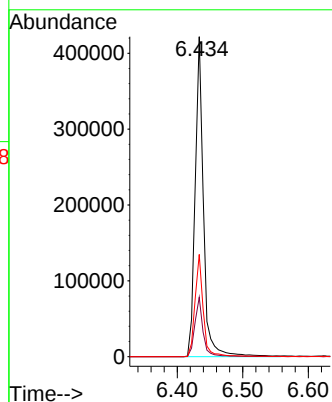
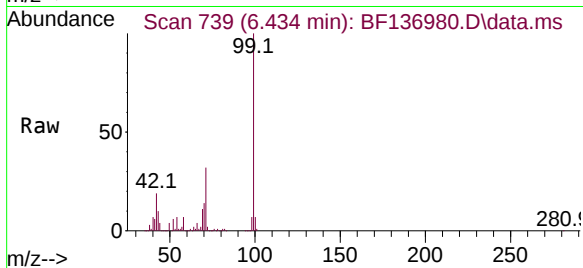
Instrument :

BNA_F

ClientSampleId :

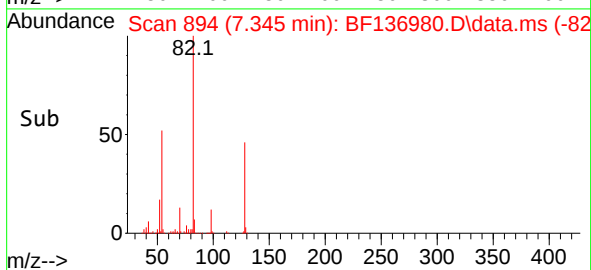
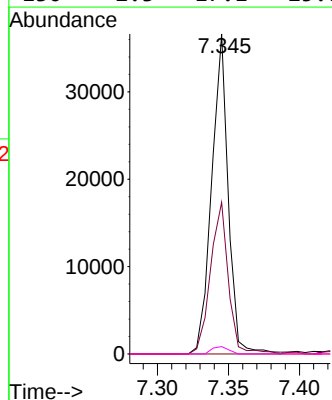
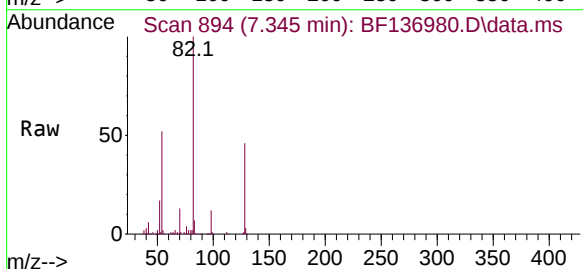
MR-323-0-2

Tgt Ion: 99 Resp: 373298
Ion Ratio Lower Upper
99 100
42 18.5 16.1 24.1
71 31.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.378 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion: 70 Resp: 29625
Ion Ratio Lower Upper
70 100
42 47.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.3 17.1 25.7#

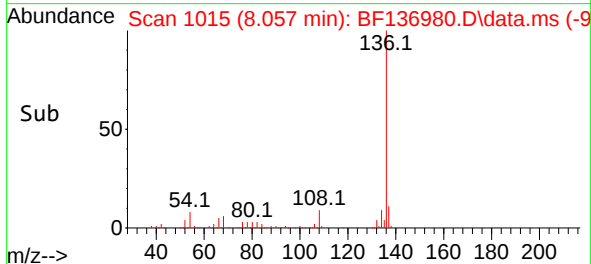
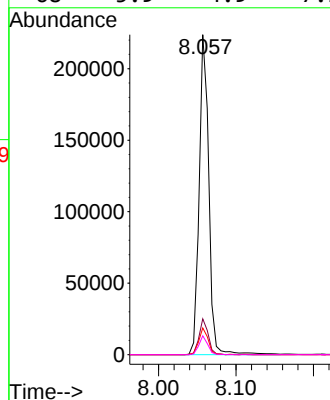
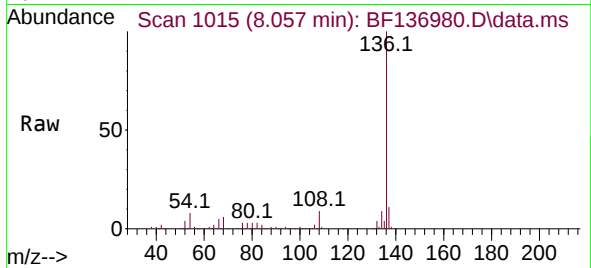




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

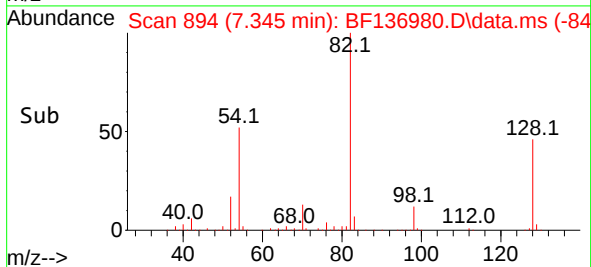
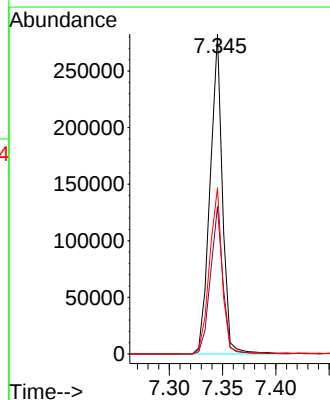
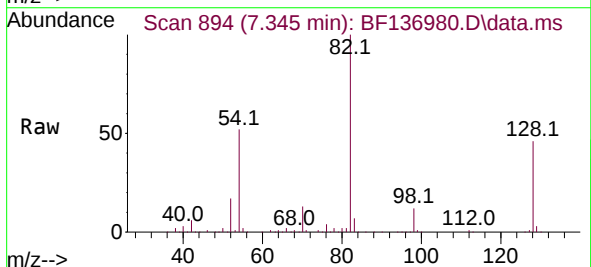
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

Tgt Ion:	136	Resp:	193036
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.4	7.2	10.8
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 60.739 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

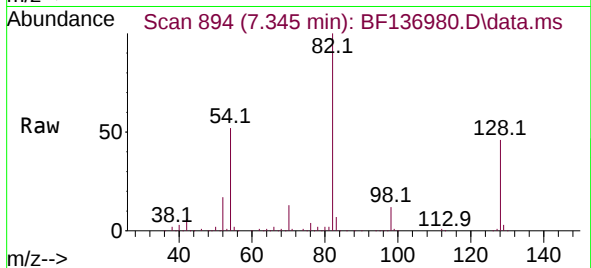
Tgt Ion:	82	Resp:	229128
Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.3	52.9
54	52.0	44.5	66.7



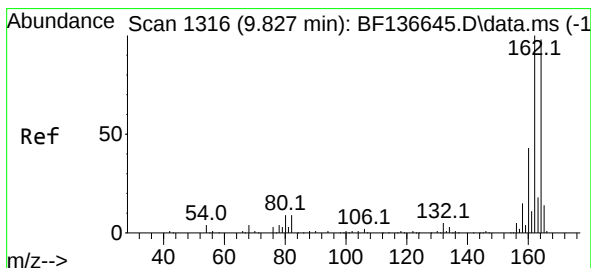
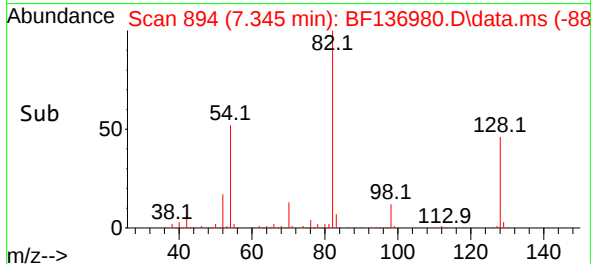
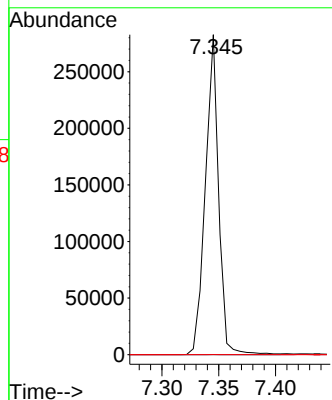


#25
Isophorone
Concen: 33.380 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

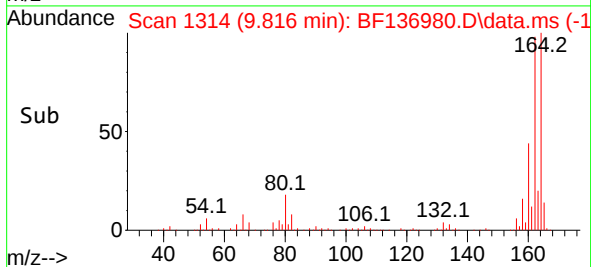
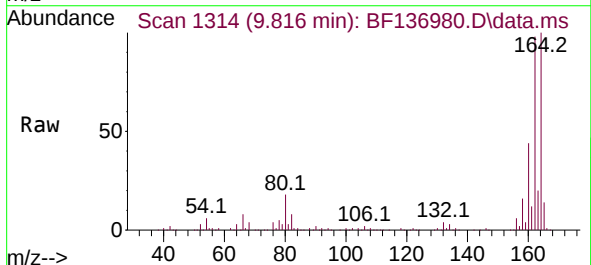
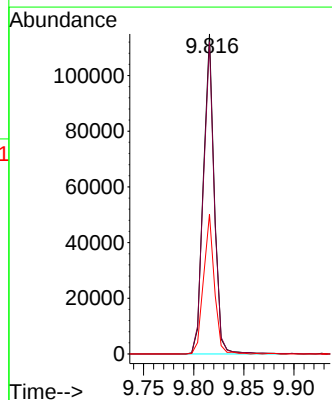


Tgt Ion: 82 Resp: 229125
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:164 Resp: 86944
Ion Ratio Lower Upper
164 100
162 97.5 81.6 122.4
160 43.7 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 80.434 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2

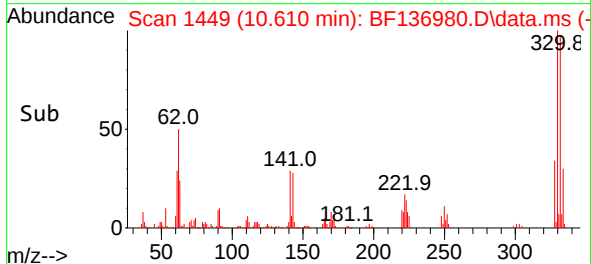
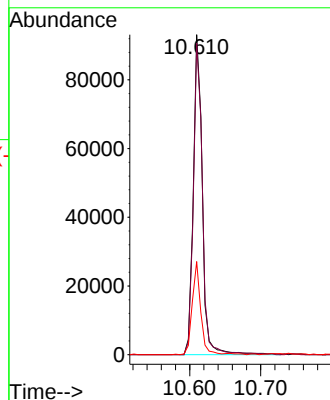
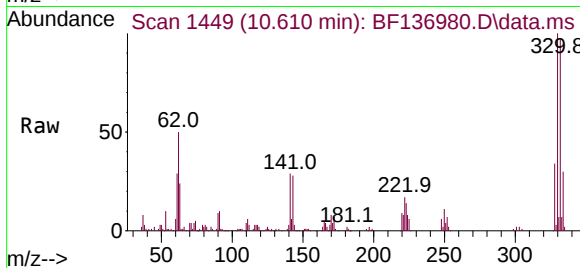
Tgt Ion:330 Resp: 82361

Ion Ratio Lower Upper

330 100

332 98.1 77.4 116.0

141 27.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 61.143 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

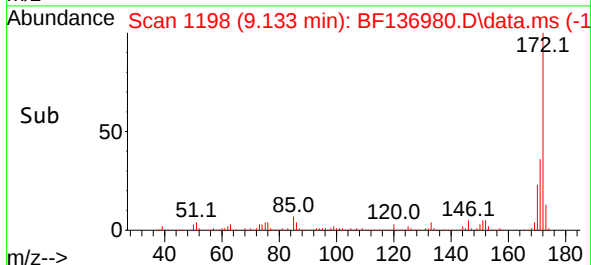
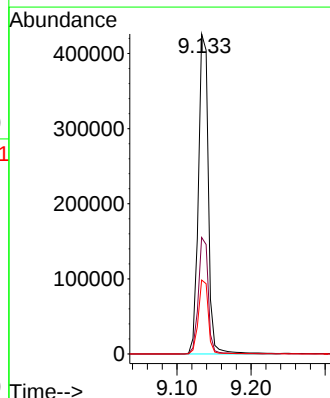
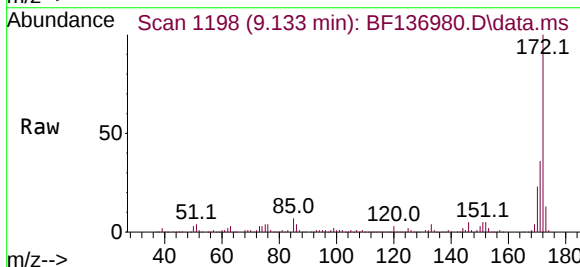
Tgt Ion:172 Resp: 395246

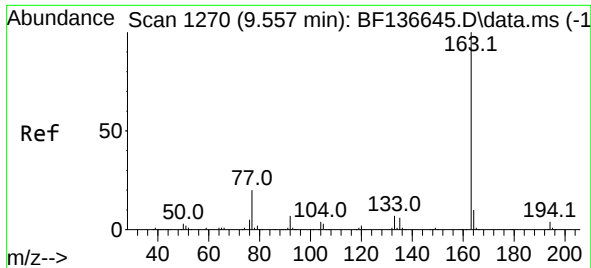
Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.6

170 23.1 19.0 28.4

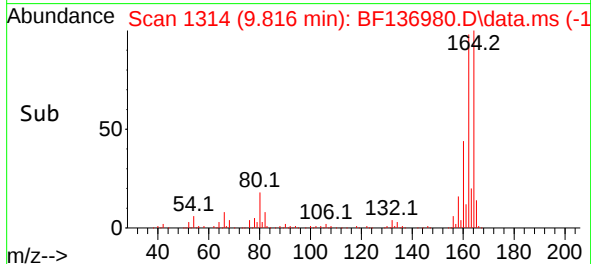
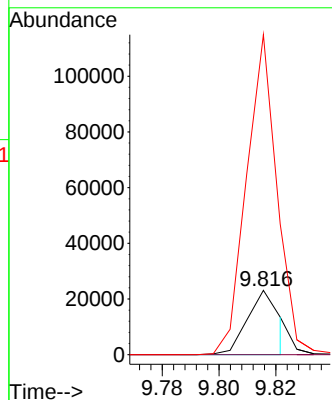
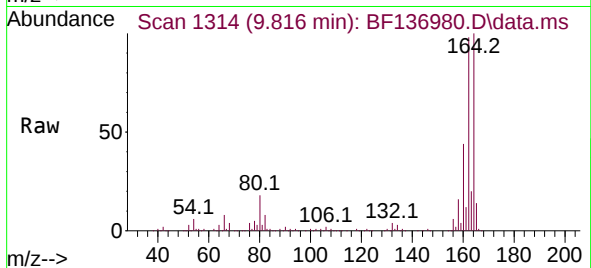




#50
Dimethylphthalate
Concen: 2.826 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

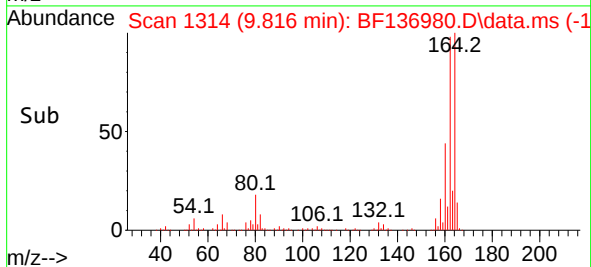
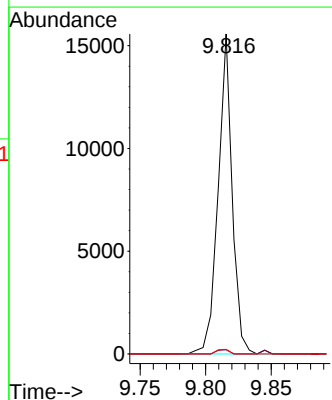
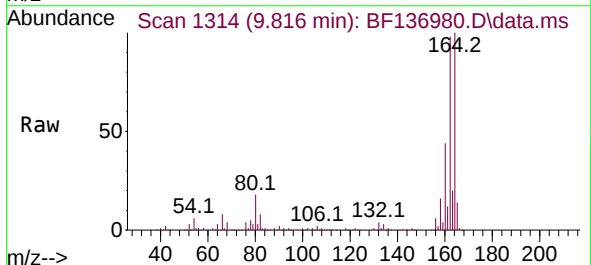
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

Tgt Ion:163 Resp: 17946
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 497.6 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.065 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:165 Resp: 11624
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.5 38.8 58.2#

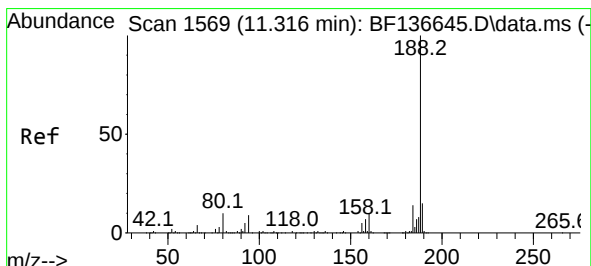
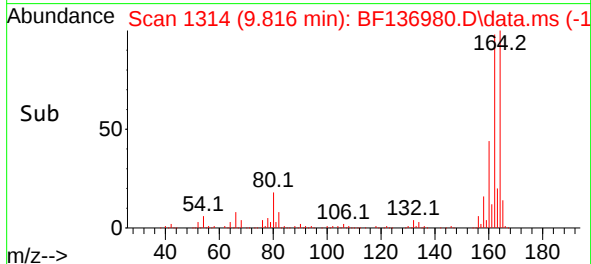
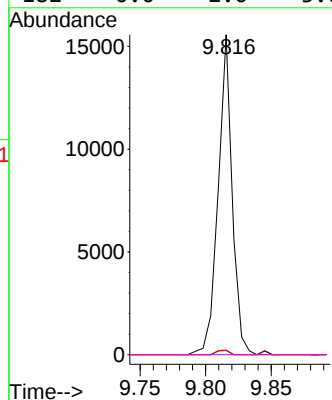
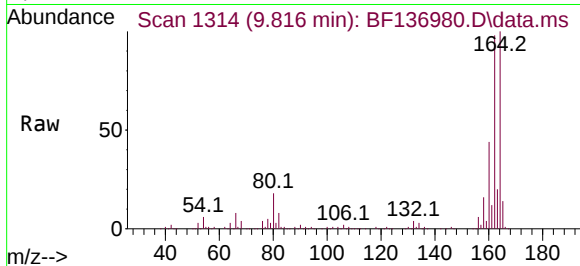




#57
2,4-Dinitrotoluene
Concen: 6.213 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

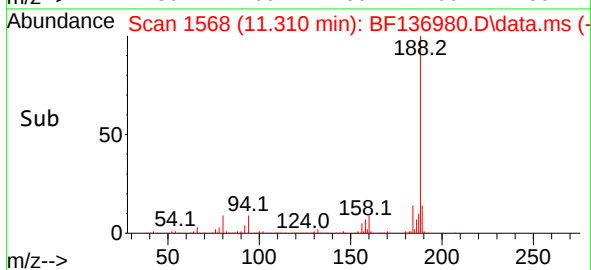
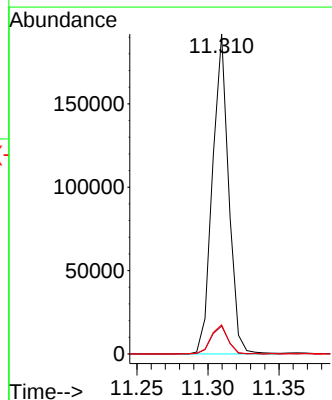
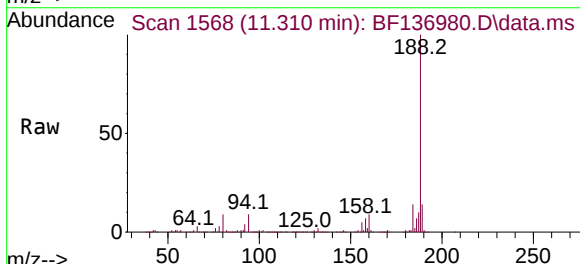
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

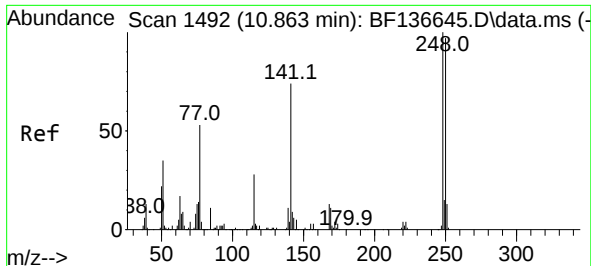
Tgt Ion:165	Resp:	11624
Ion Ratio	Lower	Upper
165	100	
63	1.3	41.0 61.6#
89	1.5	59.9 89.9#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:188	Resp:	152223
Ion Ratio	Lower	Upper
188	100	
94	8.7	7.5 11.3
80	9.1	8.1 12.1





#67

4-Bromophenyl-phenylether

Concen: 2.863 ng

RT: 10.610 min Scan# 1492

Delta R.T. -0.253 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2

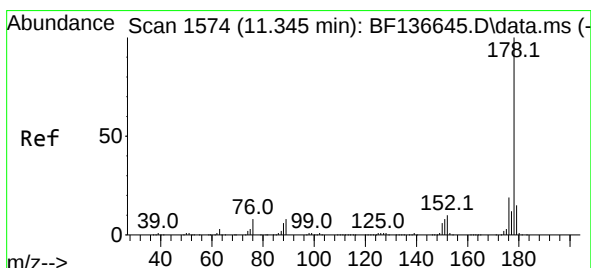
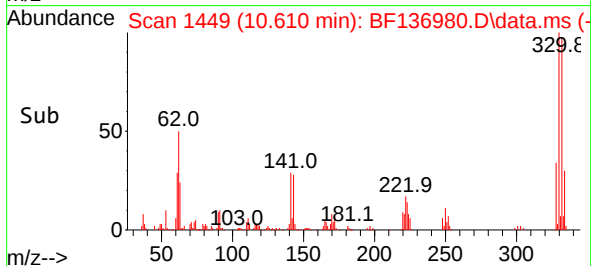
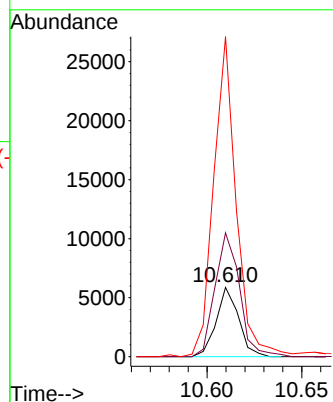
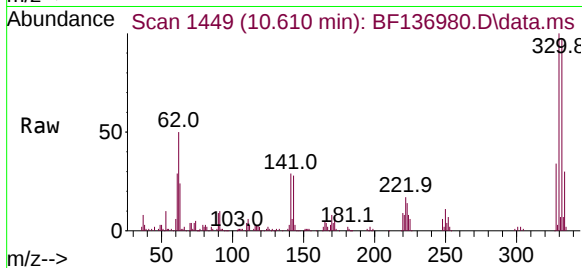
Tgt Ion:248 Resp: 4840

Ion Ratio Lower Upper

248 100

250 178.5 77.8 116.6#

141 461.4 59.2 88.8#



#71

Phenanthrene

Concen: 8.648 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

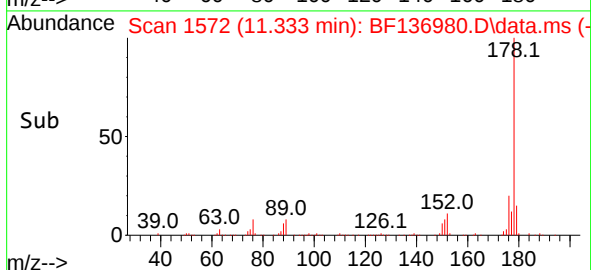
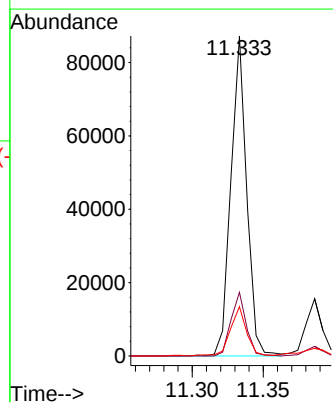
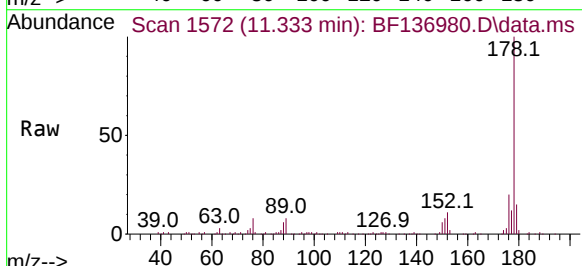
Tgt Ion:178 Resp: 67545

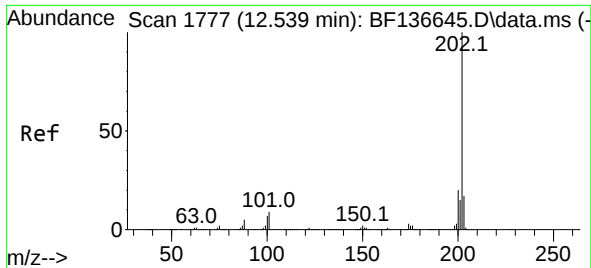
Ion Ratio Lower Upper

178 100

176 19.9 15.3 22.9

179 15.4 11.9 17.9

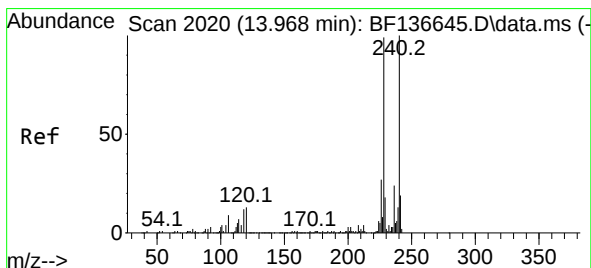
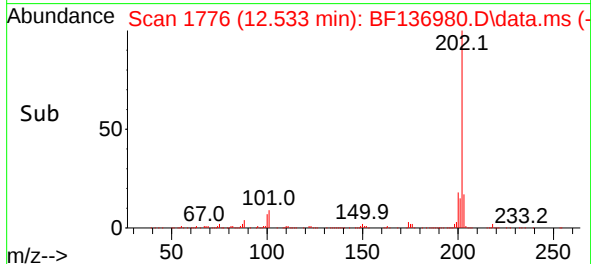
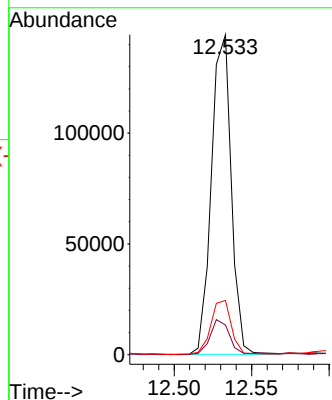
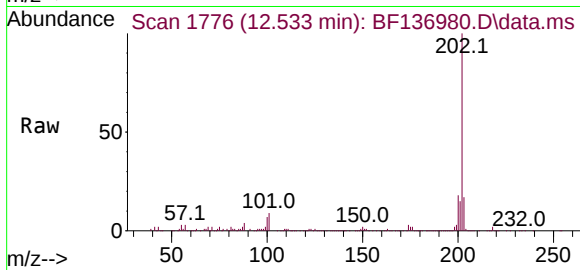




#75
Fluoranthene
Concen: 15.378 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

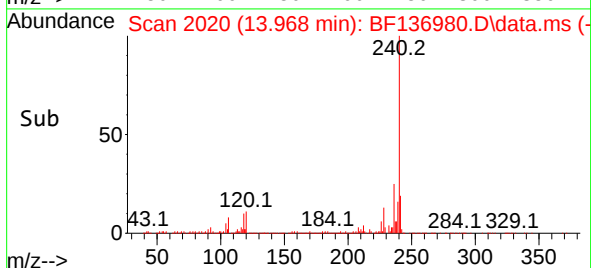
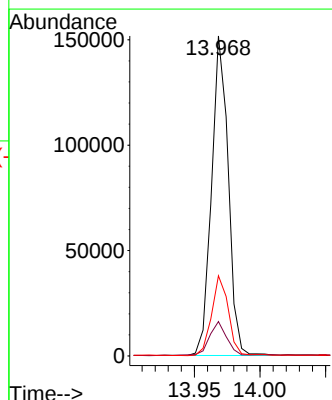
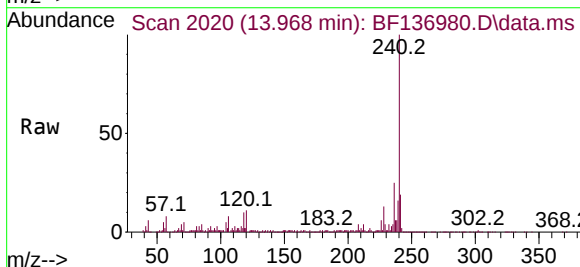
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

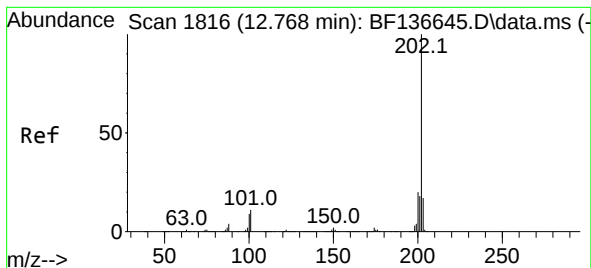
Tgt Ion:202 Resp: 128477
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.3
203 17.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:240 Resp: 134157
Ion Ratio Lower Upper
240 100
120 10.8 10.3 15.5
236 25.0 19.4 29.2





#78

Pyrene

Concen: 8.280 ng

RT: 12.762 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2

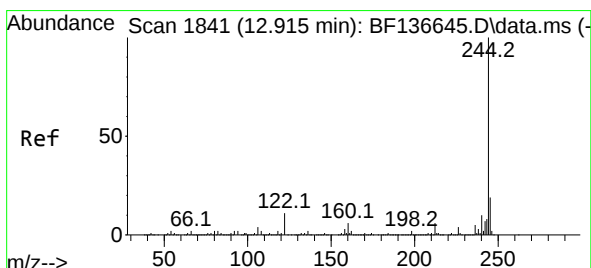
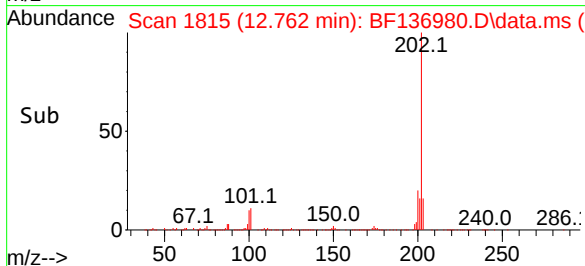
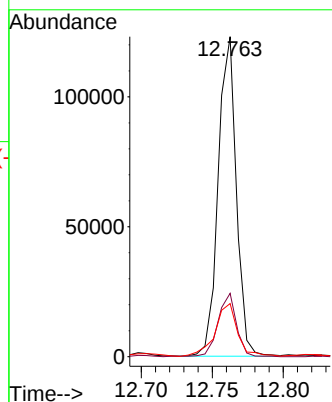
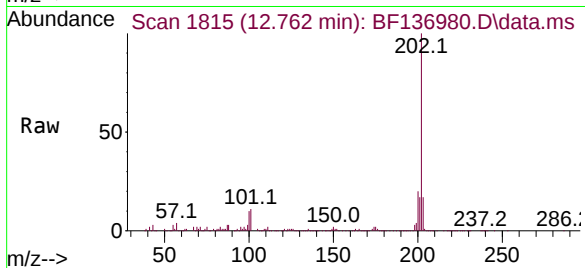
Tgt Ion:202 Resp: 109050

Ion Ratio Lower Upper

202 100

200 19.8 15.9 23.9

203 16.6 13.8 20.6



#79

Terphenyl-d14

Concen: 40.945 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

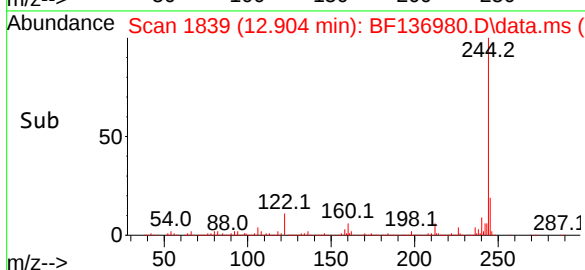
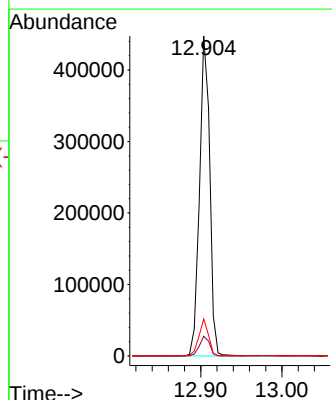
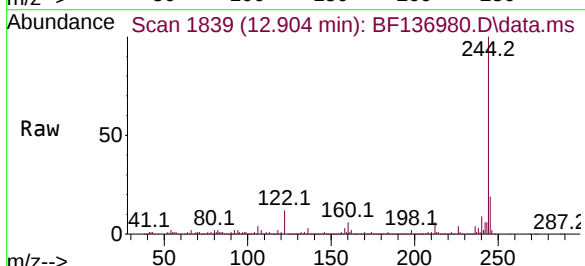
Tgt Ion:244 Resp: 393069

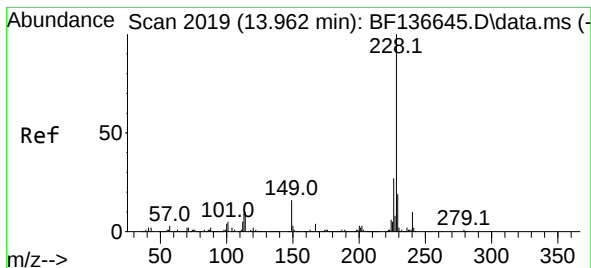
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.5 9.0 13.4





#81

Benzo(a)anthracene

Concen: 6.500 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2

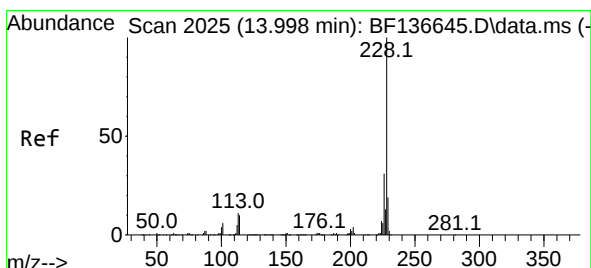
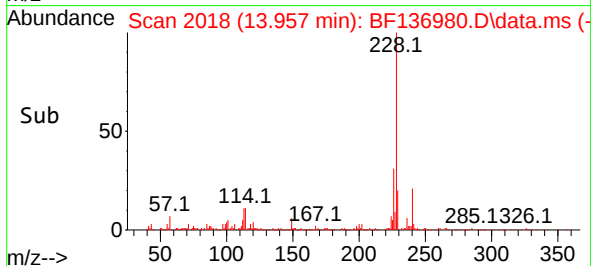
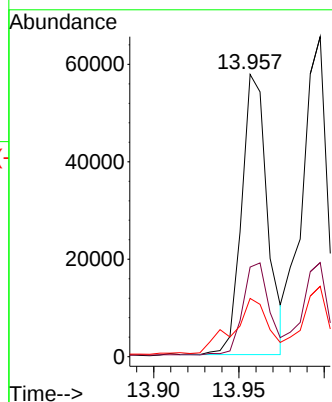
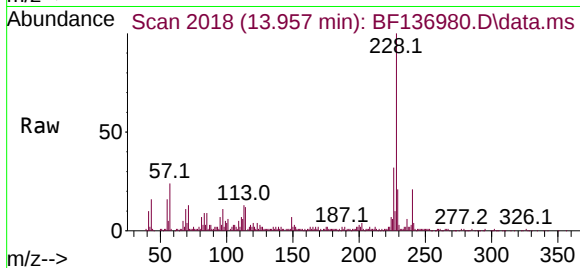
Tgt Ion:228 Resp: 60556

Ion Ratio Lower Upper

228 100

226 31.7 21.4 32.0

229 20.6 14.9 22.3



#83

Chrysene

Concen: 7.375 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

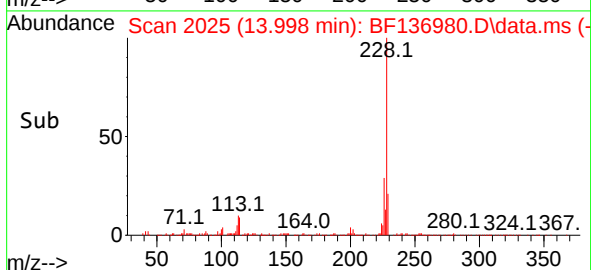
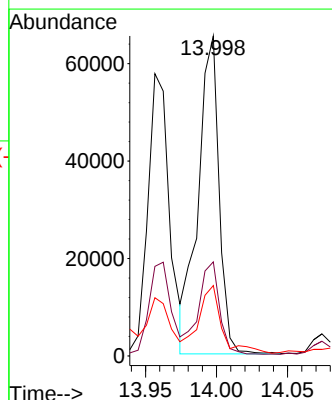
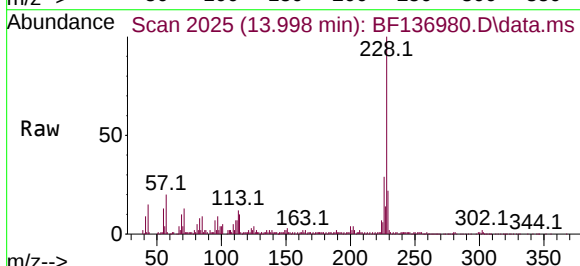
Tgt Ion:228 Resp: 67184

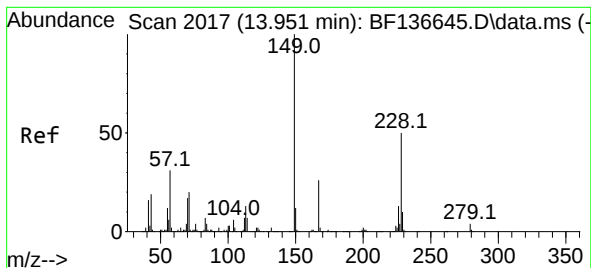
Ion Ratio Lower Upper

228 100

226 29.4 24.7 37.1

229 22.0 15.4 23.0

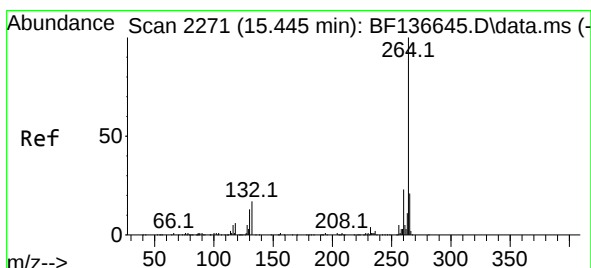
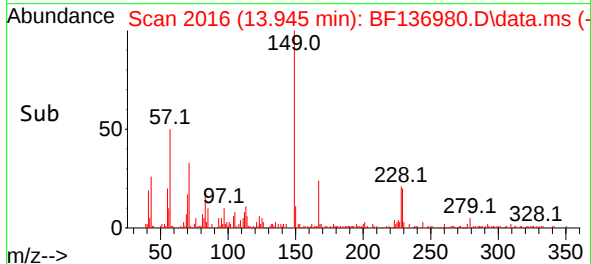
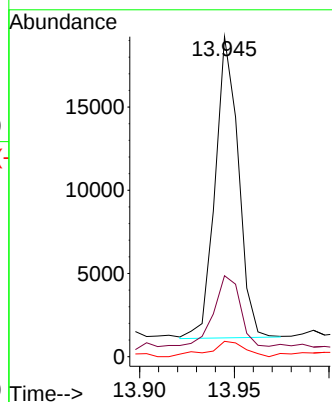
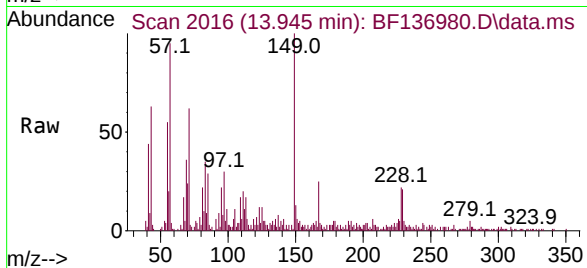




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.564 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

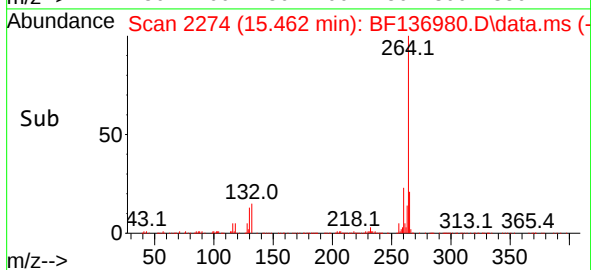
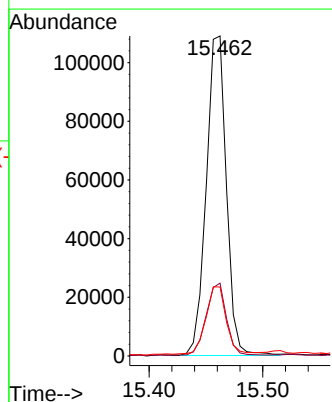
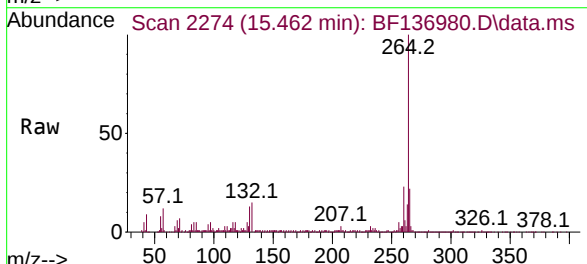
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

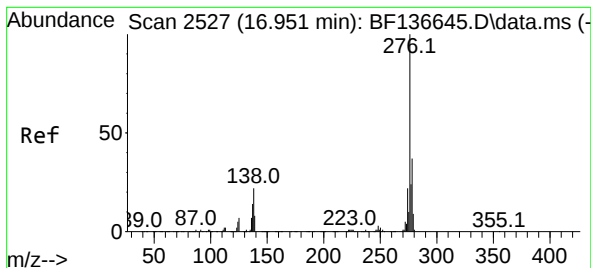
Tgt Ion:149 Resp: 15460
Ion Ratio Lower Upper
149 100
167 25.3 20.9 31.3
279 4.8 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:264 Resp: 134022
Ion Ratio Lower Upper
264 100
260 22.8 18.3 27.5
265 21.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.151 ng

RT: 16.974 min Scan# 2199

Delta R.T. 0.023 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2

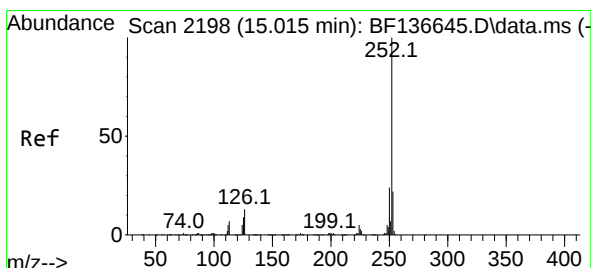
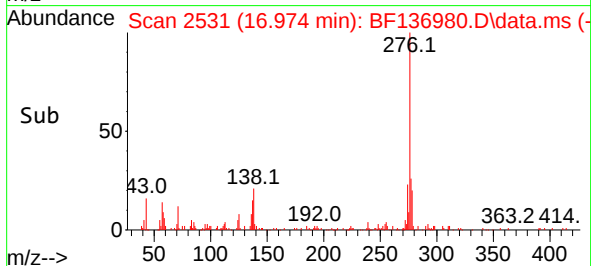
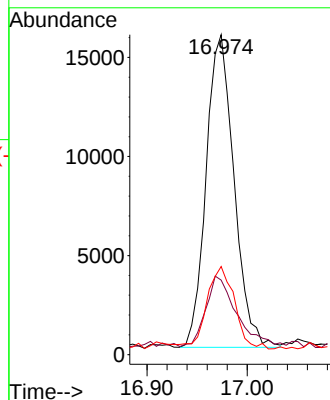
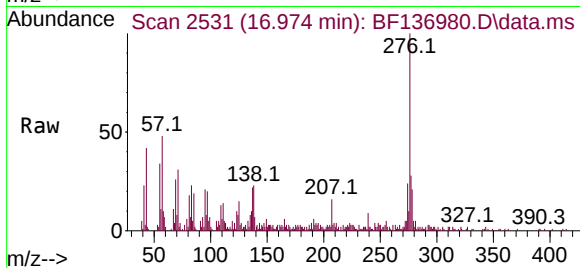
Tgt Ion:276 Resp: 30494

Ion Ratio Lower Upper

276 100

138 24.8 18.7 28.1

277 26.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 13.187 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

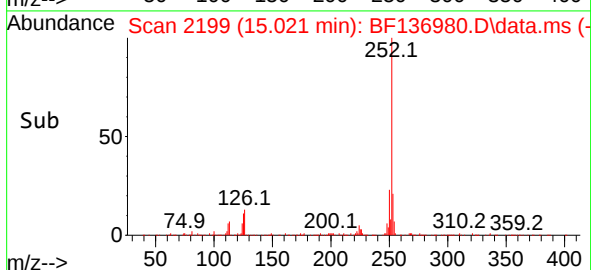
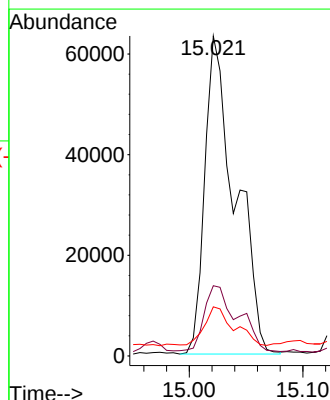
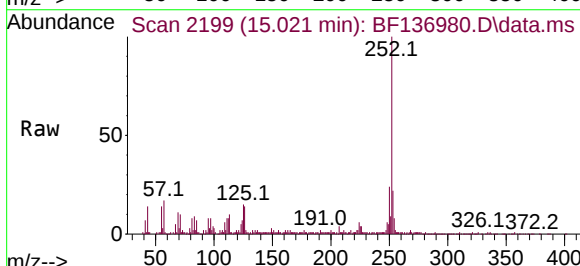
Tgt Ion:252 Resp: 118046

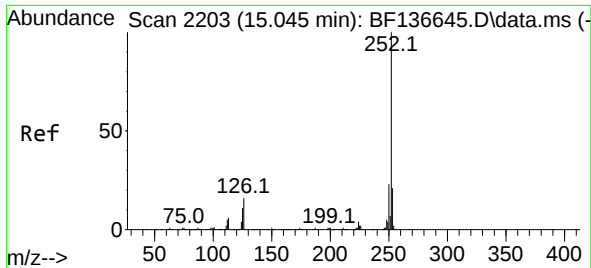
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 15.3 7.4 11.2#

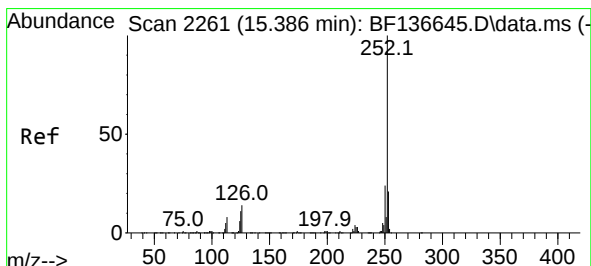
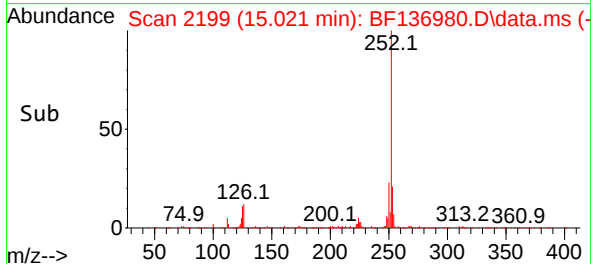
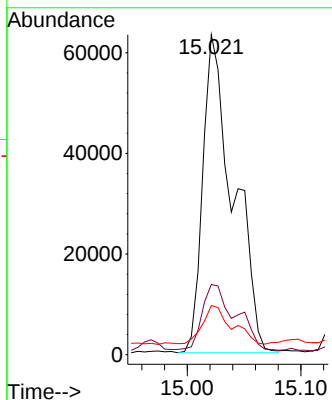
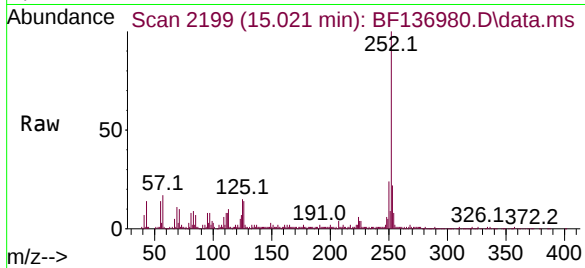




#89
Benzo(k)fluoranthene
Concen: 13.956 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

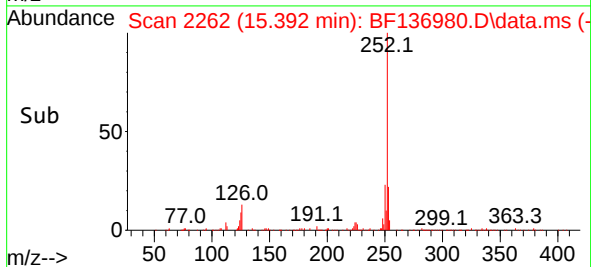
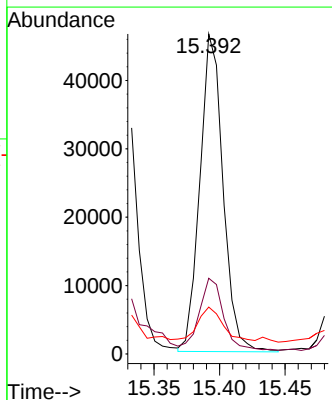
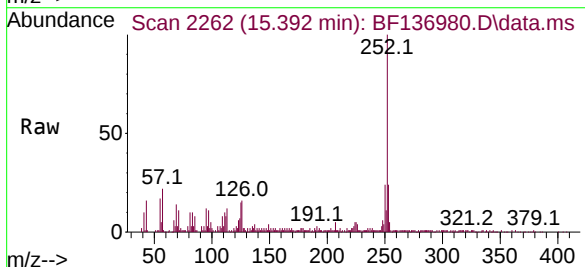
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

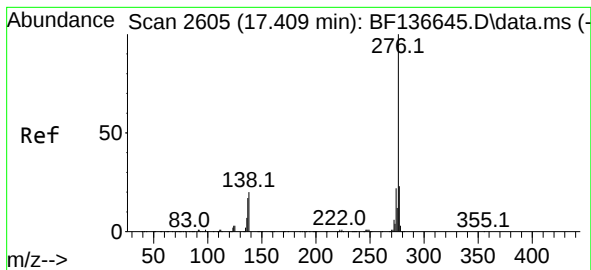
Tgt Ion:252 Resp: 118046
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 15.3 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 7.570 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:252 Resp: 57199
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 14.6 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 3.448 ng

RT: 17.439 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF136980.D

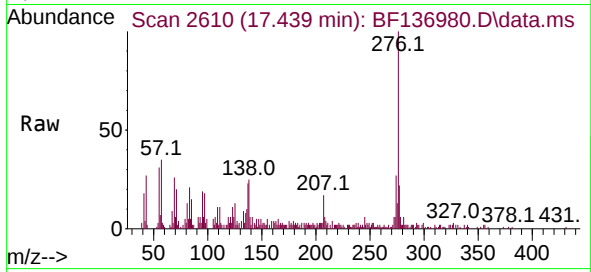
Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2



Tgt Ion:276 Resp: 28035

Ion Ratio Lower Upper

276 100

277 22.2 18.3 27.5

138 25.4 15.6 23.4#

