

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011724\
 Data File : BF137096.D
 Acq On : 17 Jan 2024 16:35
 Operator : CG\JU
 Sample : P1150-01 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-306-0-2

Quant Time: Jan 17 16:54:48 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)

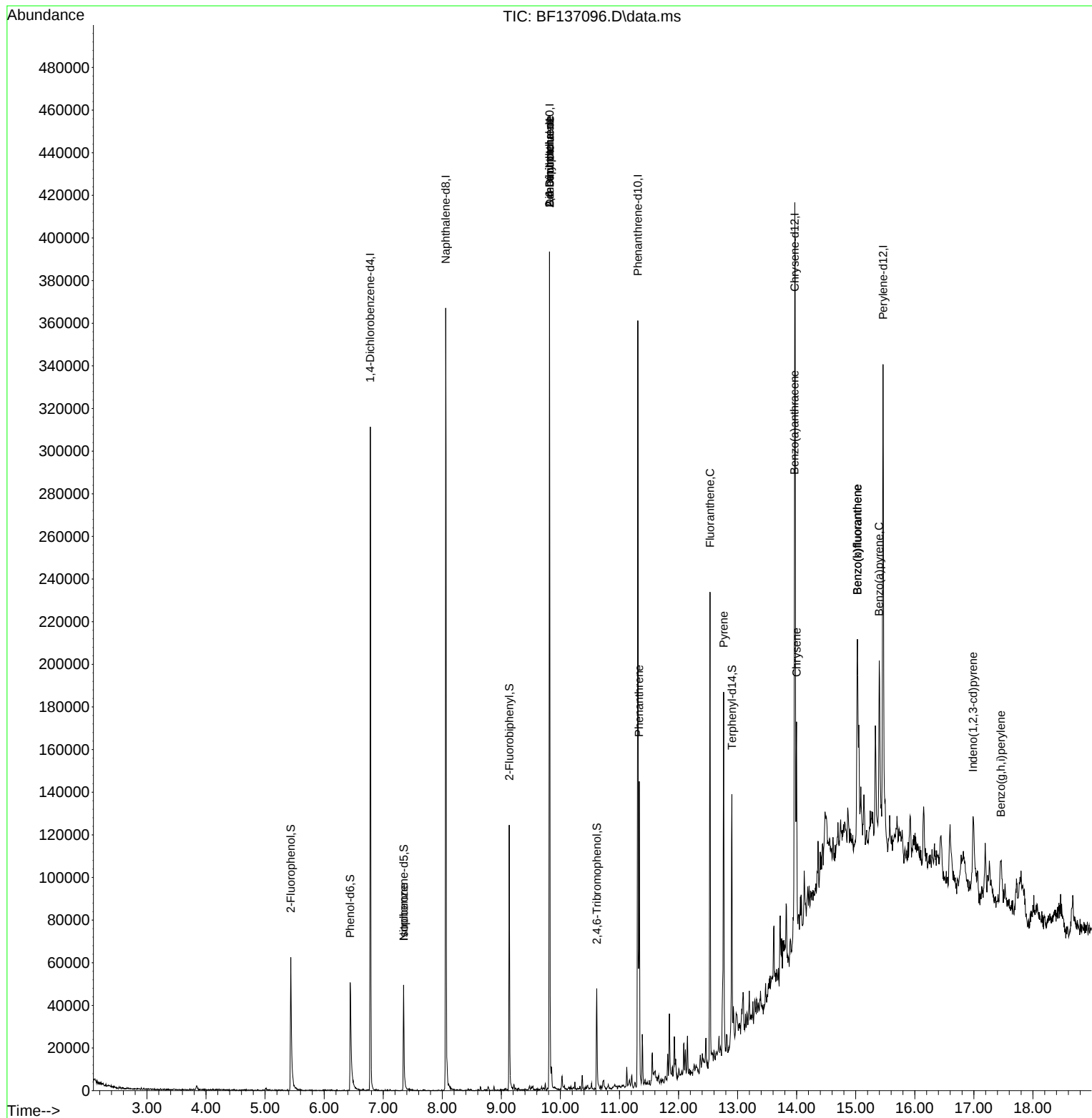
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	45000	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	164180	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	74856	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	126729	20.000	ng	0.00
76) Chrysene-d12	13.969	240	105394	20.000	ng	0.00
86) Perylene-d12	15.463	264	99234	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	26433	9.165	ng	0.00
7) Phenol-d6	6.440	99	29303	7.841	ng	0.00
23) Nitrobenzene-d5	7.345	82	17907	5.581	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	7355	8.343	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	39618	7.118	ng	-0.02
79) Terphenyl-d14	12.904	244	39115	5.186	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.345	82	17907	3.067	ng	# 65
50) Dimethylphthalate	9.816	163	13987	2.558	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	9340	7.527	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	9340	5.798	ng	# 19
71) Phenanthrene	11.333	178	50426	7.755	ng	99
75) Fluoranthene	12.533	202	82864	11.913	ng	100
78) Pyrene	12.763	202	67021	6.478	ng	98
81) Benzo(a)anthracene	13.963	228	38525	5.264	ng	98
83) Chrysene	13.998	228	42610	5.954	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	20182	2.817	ng	95
88) Benzo(b)fluoranthene	15.027	252	71318	10.760	ng	# 95
89) Benzo(k)fluoranthene	15.027	252	71318	11.388	ng	# 95
90) Benzo(a)pyrene	15.398	252	34896	6.237	ng	# 93
92) Benzo(g,h,i)perylene	17.457	276	18390	3.055	ng	97

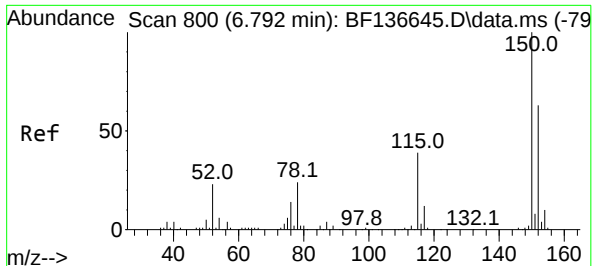
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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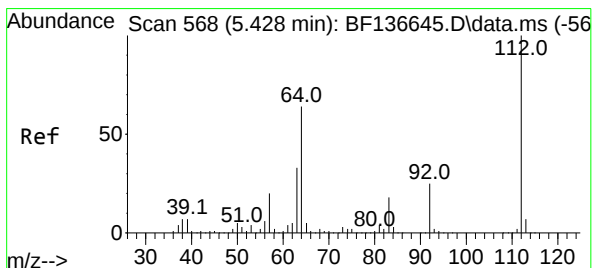
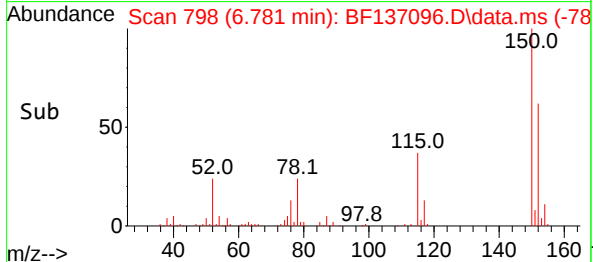
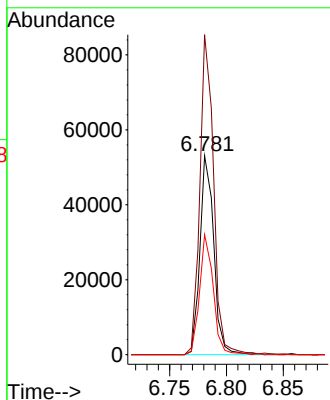
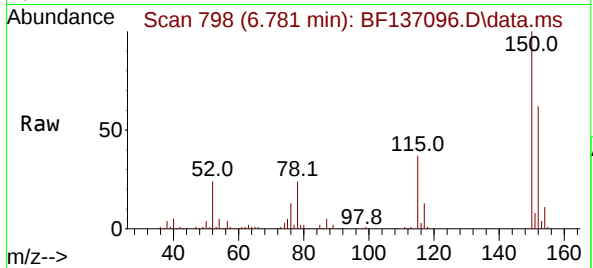




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

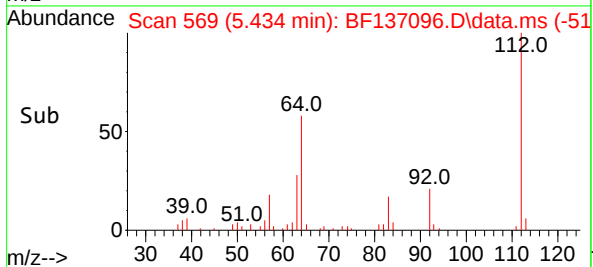
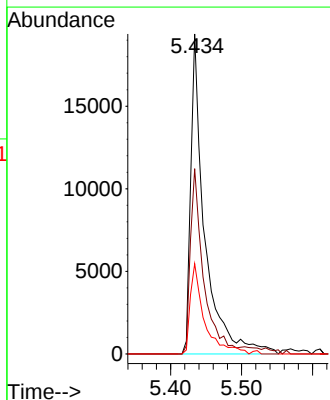
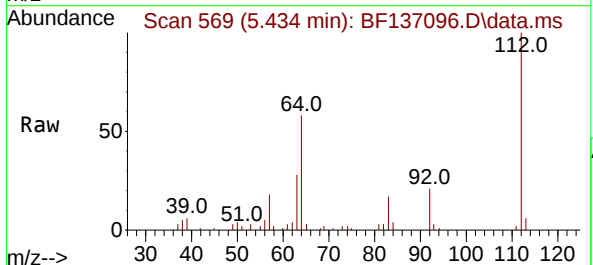
Instrument :
BNA_F
ClientSampleId :
MR-306-0-2

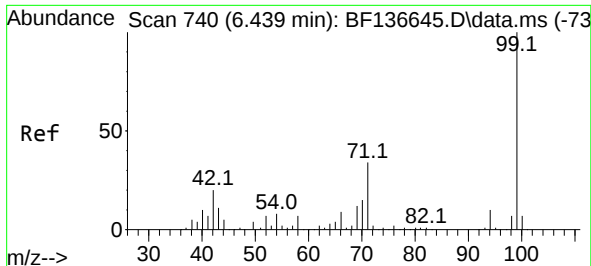
Tgt Ion:152 Resp: 45000
Ion Ratio Lower Upper
152 100
150 160.9 127.0 190.6
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 9.165 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

Tgt Ion:112 Resp: 26433
Ion Ratio Lower Upper
112 100
64 57.9 51.1 76.7
63 28.2 26.1 39.1





#7

Phenol-d6

Concen: 7.841 ng

RT: 6.440 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

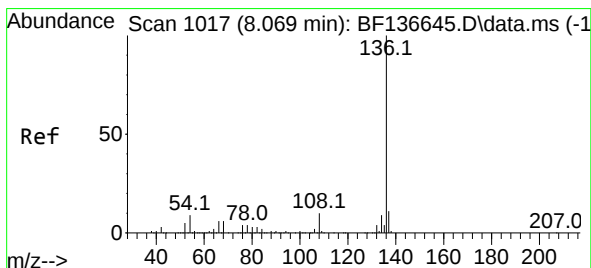
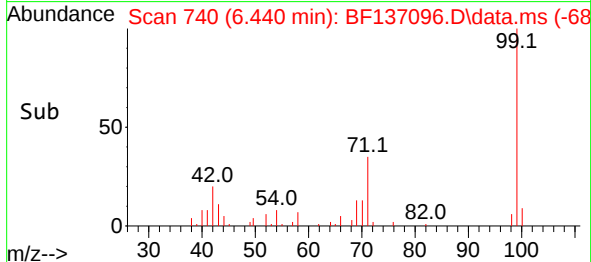
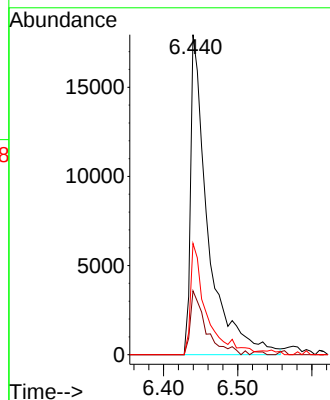
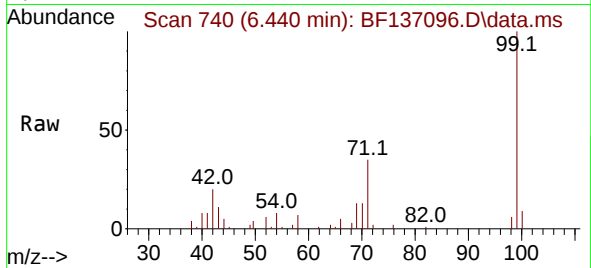
Tgt Ion: 99 Resp: 29303

Ion Ratio Lower Upper

99 100

42 19.9 16.1 24.1

71 34.7 27.4 41.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Tgt Ion: 136 Resp: 164180

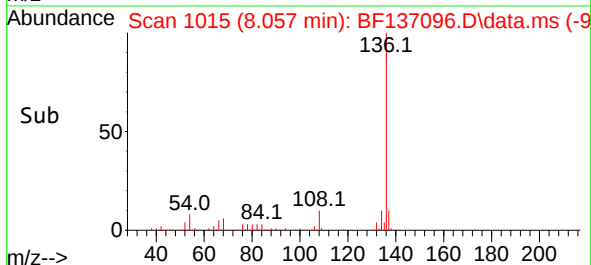
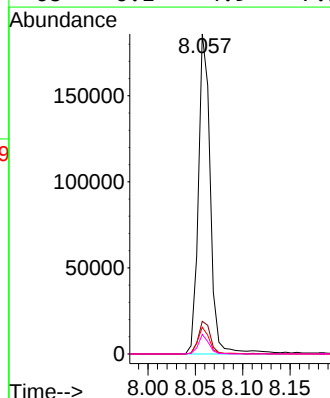
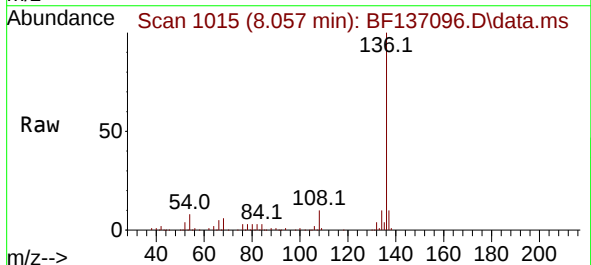
Ion Ratio Lower Upper

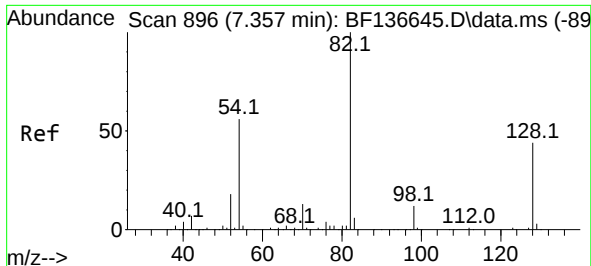
136 100

137 10.2 9.0 13.4

54 8.3 7.2 10.8

68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 5.581 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

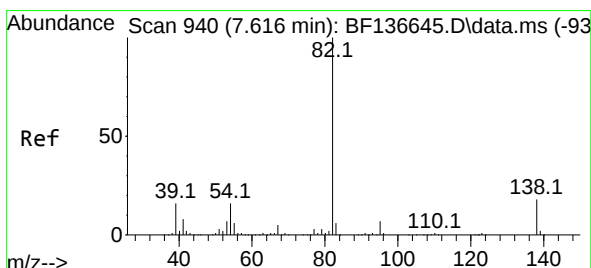
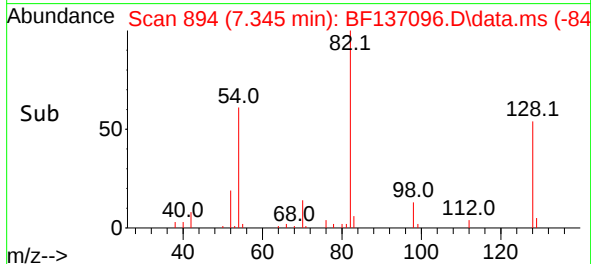
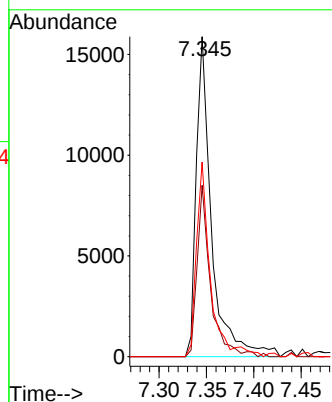
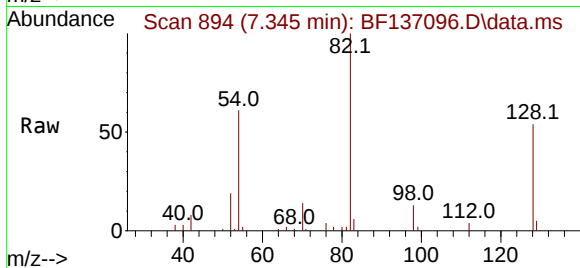
Tgt Ion: 82 Resp: 17907

Ion Ratio Lower Upper

82 100

128 53.6 35.3 52.9#

54 60.8 44.5 66.7



#25

Isophorone

Concen: 3.067 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

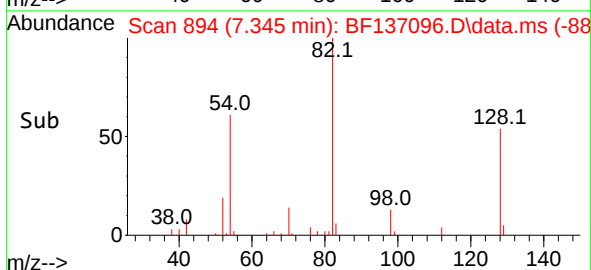
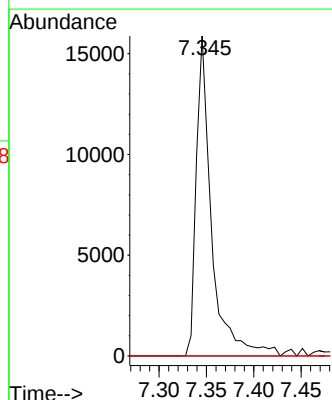
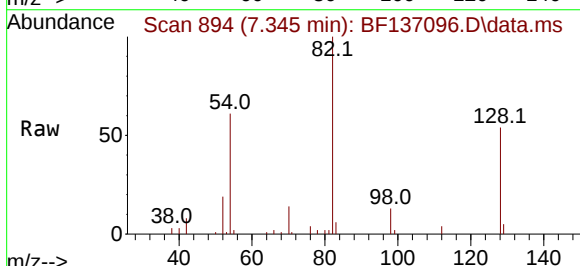
Tgt Ion: 82 Resp: 17907

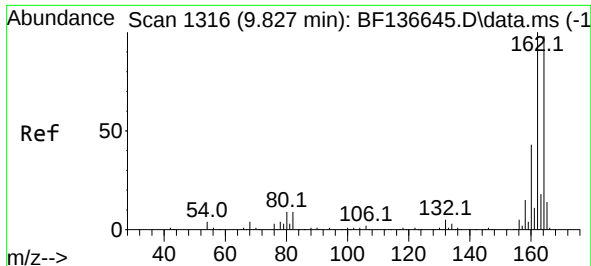
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.012 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

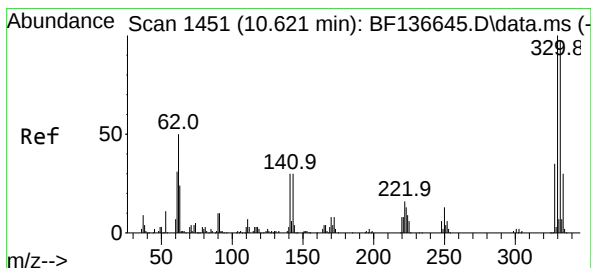
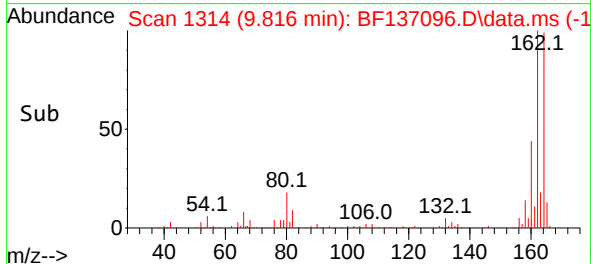
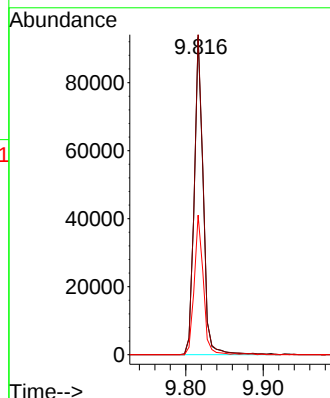
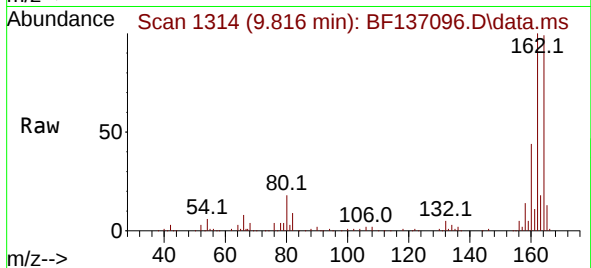
Tgt Ion:164 Resp: 74856

Ion Ratio Lower Upper

164 100

162 100.9 81.6 122.4

160 44.0 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 8.343 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

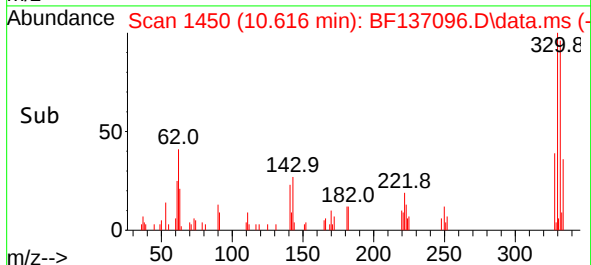
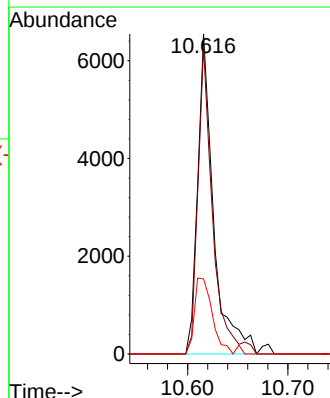
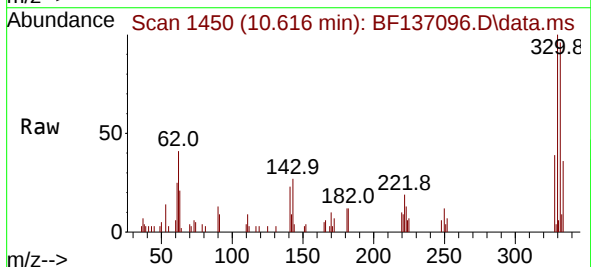
Tgt Ion:330 Resp: 7355

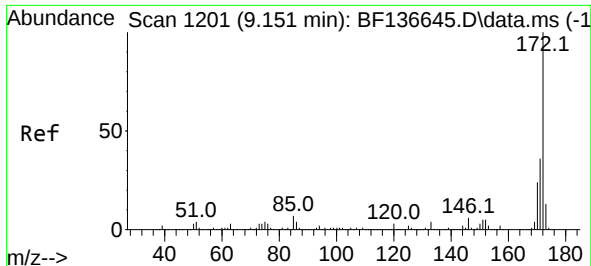
Ion Ratio Lower Upper

330 100

332 87.2 77.4 116.0

141 26.7 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 7.118 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

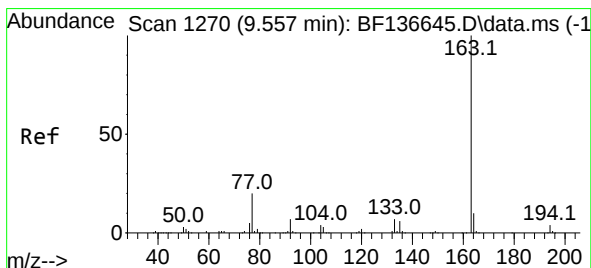
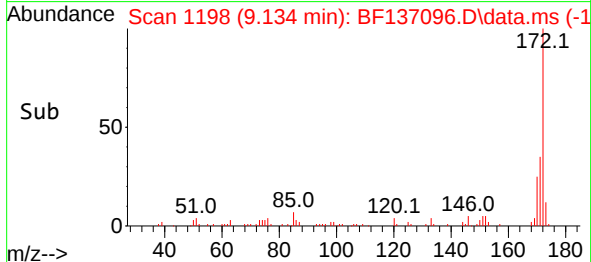
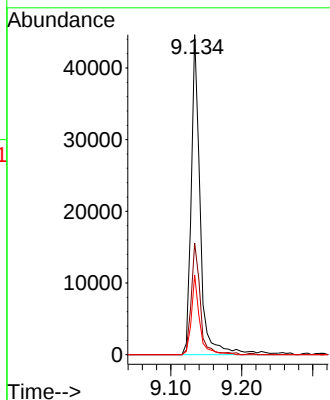
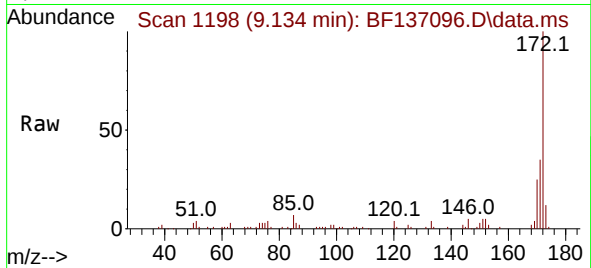
Tgt Ion:172 Resp: 39618

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 24.9 19.0 28.4



#50

Dimethylphthalate

Concen: 2.558 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

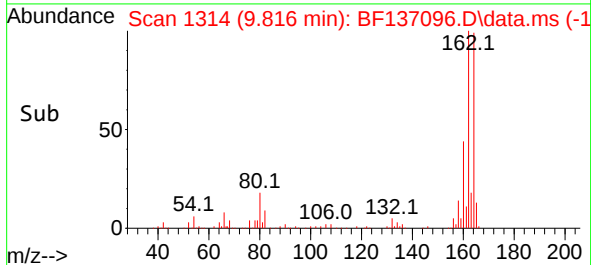
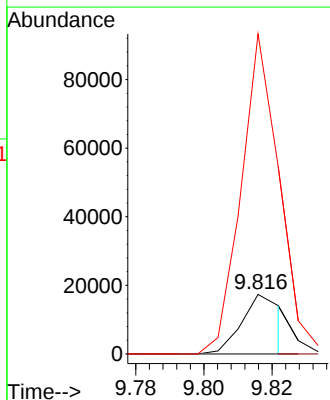
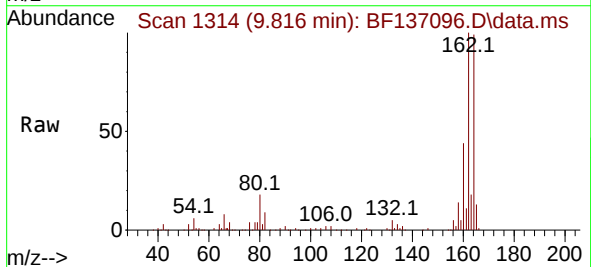
Tgt Ion:163 Resp: 13987

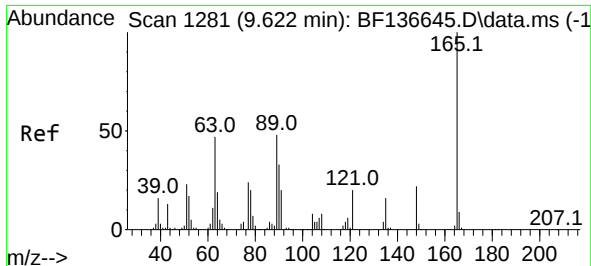
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 537.6 7.8 11.6#





#51

2,6-Dinitrotoluene

Concen: 7.527 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.194 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

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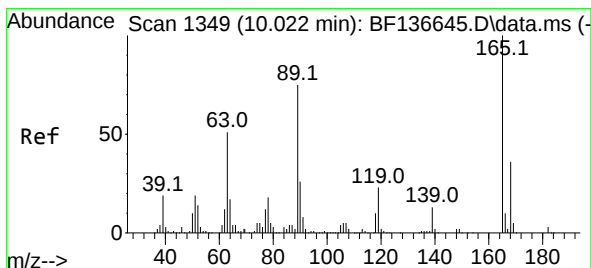
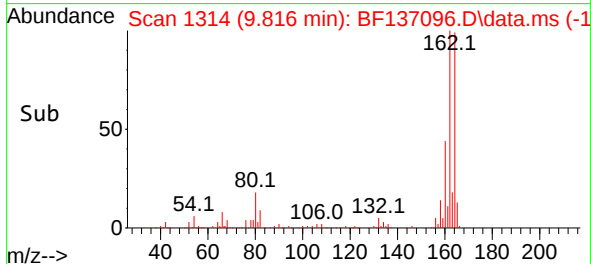
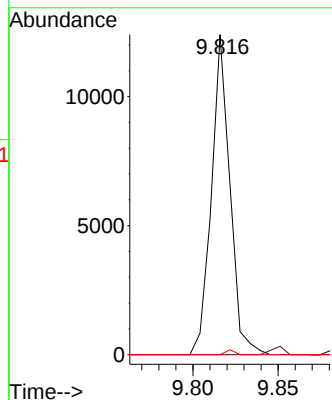
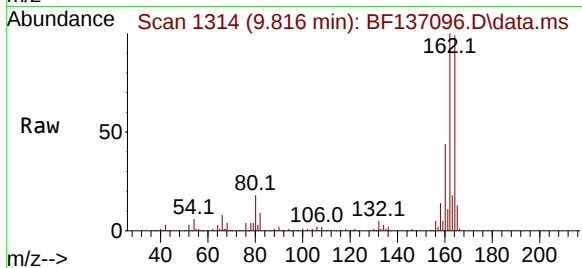
Tgt Ion:165 Resp: 9340

Ion Ratio Lower Upper

165 100

63 0.0 39.8 59.6#

89 0.0 38.8 58.2#



#57

2,4-Dinitrotoluene

Concen: 5.798 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Tgt Ion:165 Resp: 9340

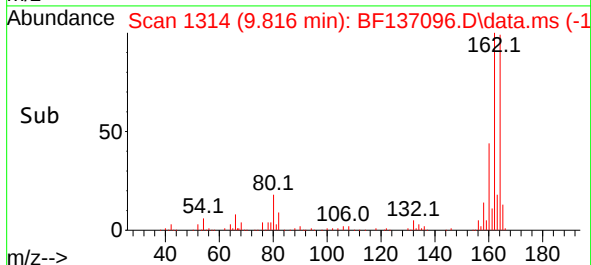
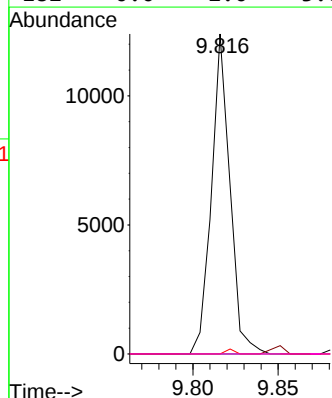
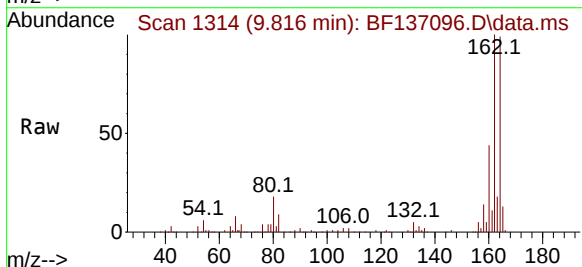
Ion Ratio Lower Upper

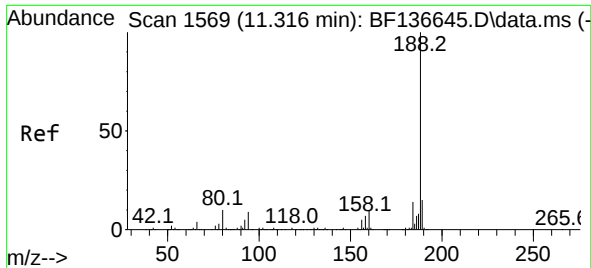
165 100

63 0.0 41.0 61.6#

89 0.0 59.9 89.9#

182 0.0 2.0 3.0#

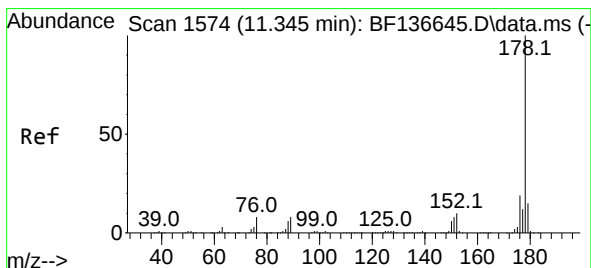
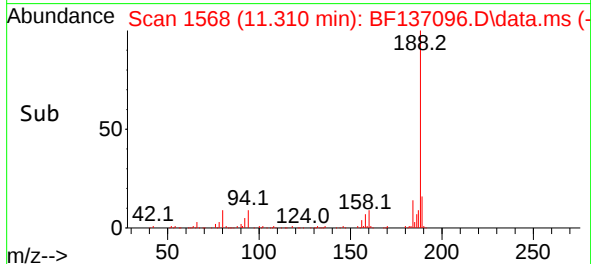
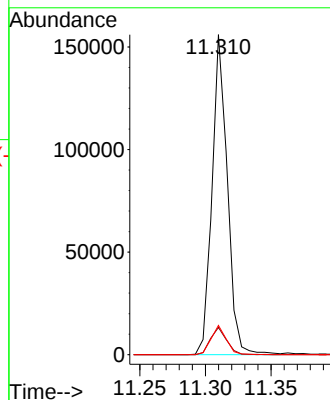
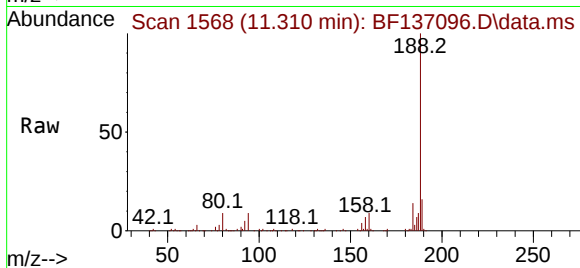




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

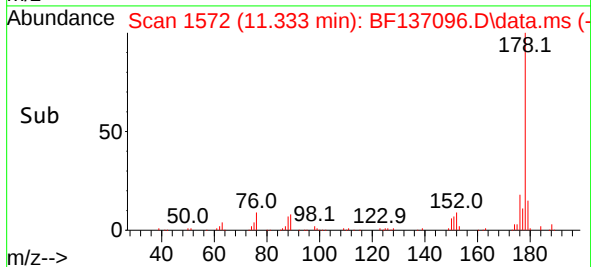
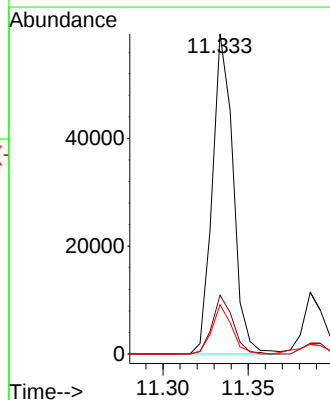
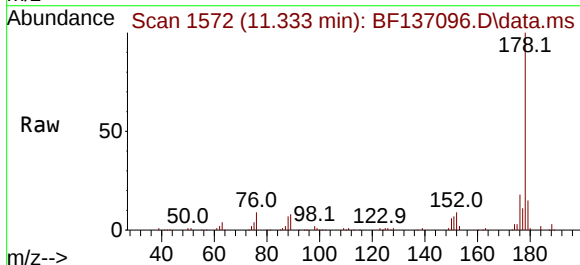
Instrument :
BNA_F
ClientSampleId :
MR-306-0-2

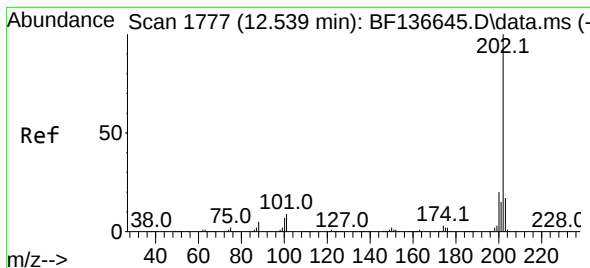
Tgt Ion:188 Resp: 126729
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 9.2 8.1 12.1



#71
Phenanthrene
Concen: 7.755 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

Tgt Ion:178 Resp: 50426
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.4 11.9 17.9





#75

Fluoranthene

Concen: 11.913 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

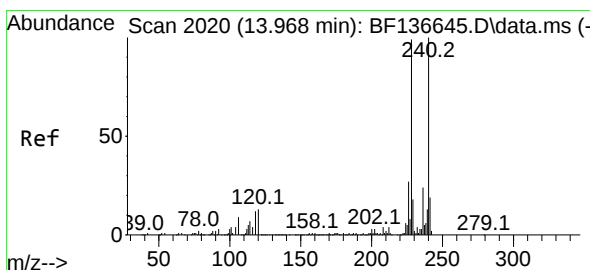
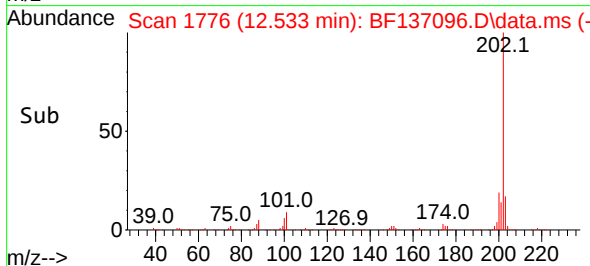
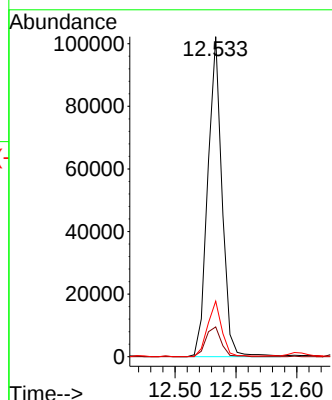
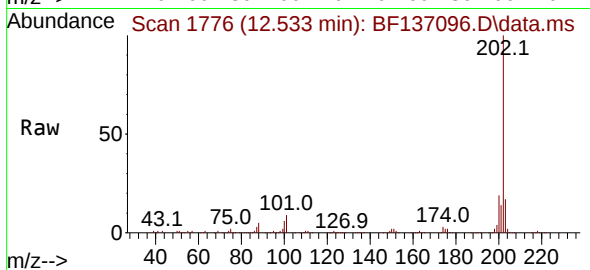
Tgt Ion:202 Resp: 82864

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.3

203 17.3 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

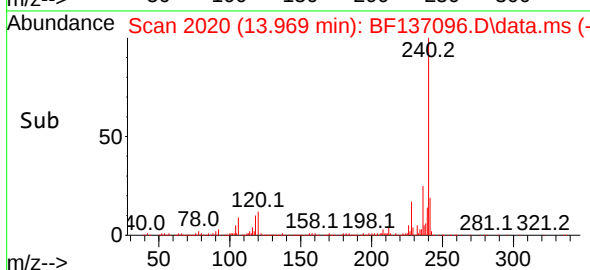
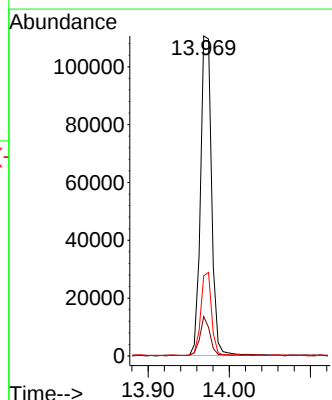
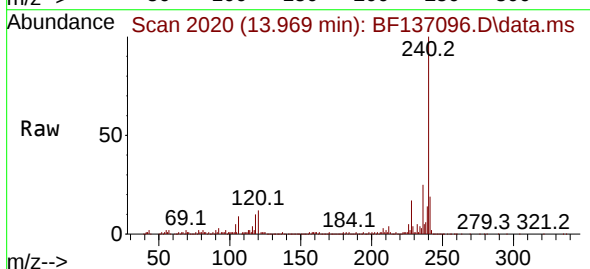
Tgt Ion:240 Resp: 105394

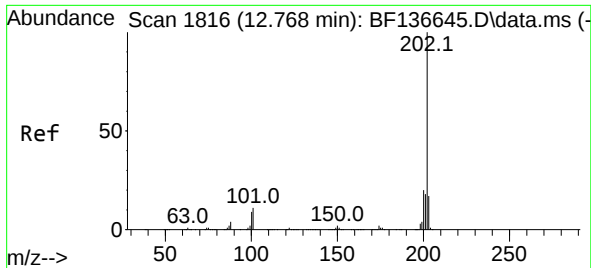
Ion Ratio Lower Upper

240 100

120 12.3 10.3 15.5

236 25.1 19.4 29.2

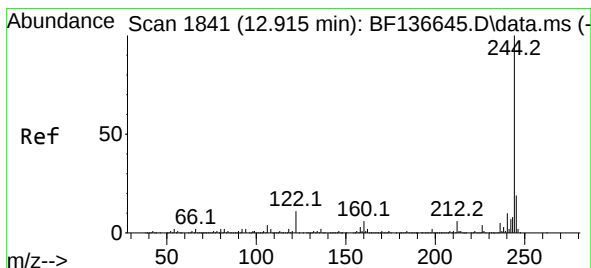
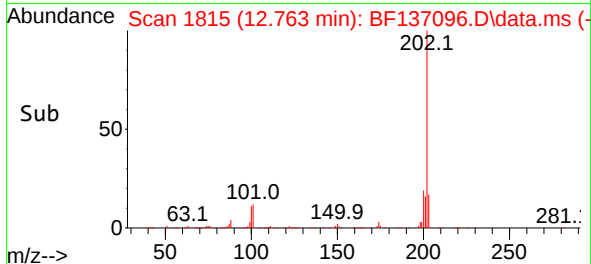
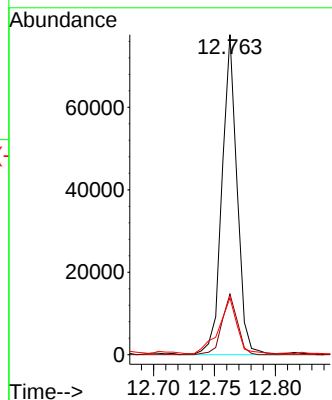
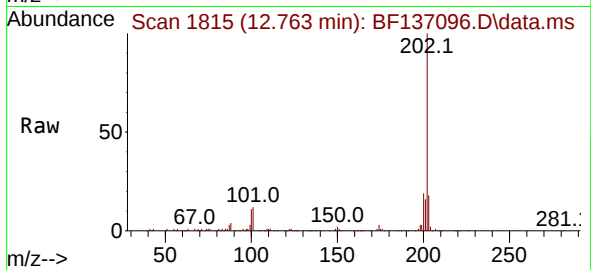




#78
Pyrene
Concen: 6.478 ng
RT: 12.763 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

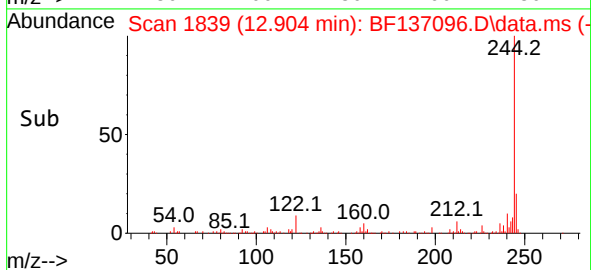
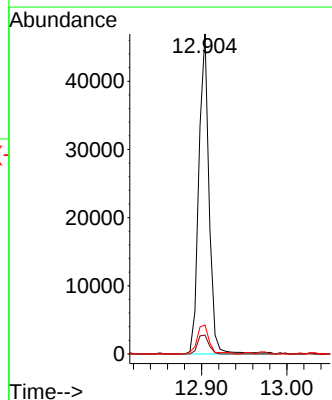
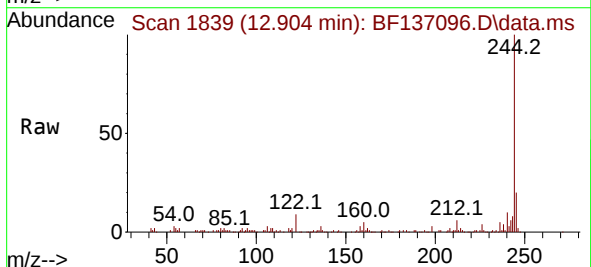
Instrument :
BNA_F
ClientSampleId :
MR-306-0-2

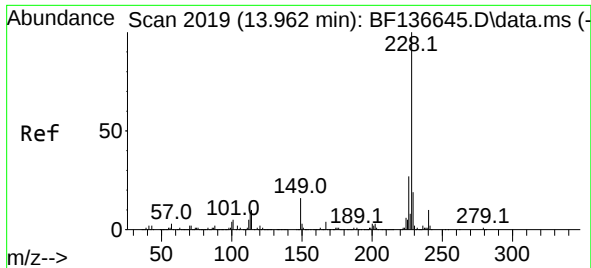
Tgt Ion:202 Resp: 67021
Ion Ratio Lower Upper
202 100
200 18.9 15.9 23.9
203 17.7 13.8 20.6



#79
Terphenyl-d14
Concen: 5.186 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

Tgt Ion:244 Resp: 39115
Ion Ratio Lower Upper
244 100
212 5.9 5.0 7.4
122 9.0 9.0 13.4

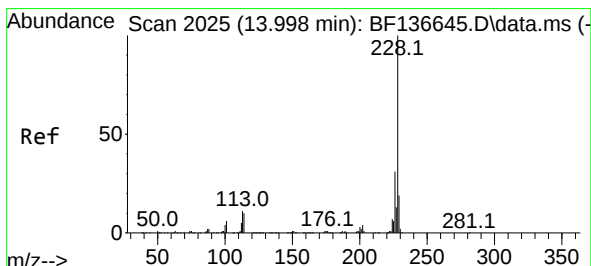
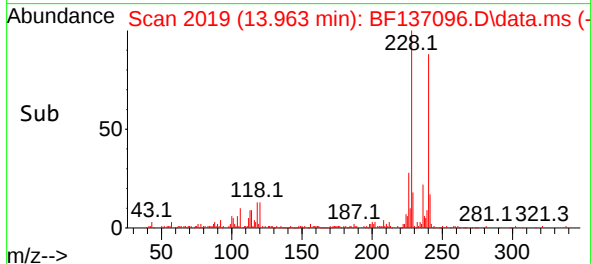
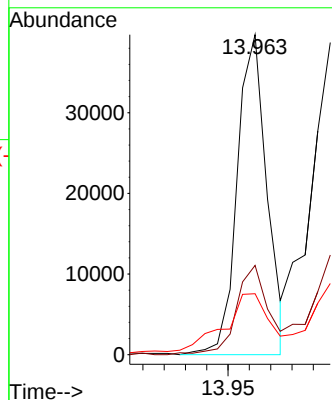
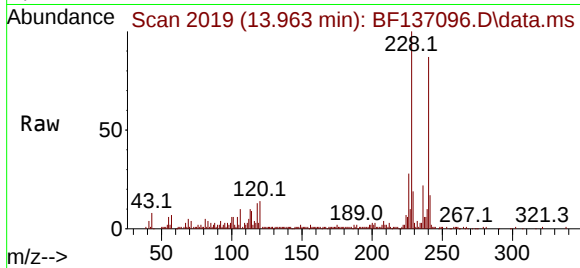




#81
Benzo(a)anthracene
Concen: 5.264 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

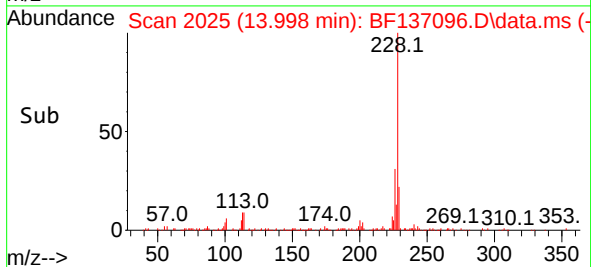
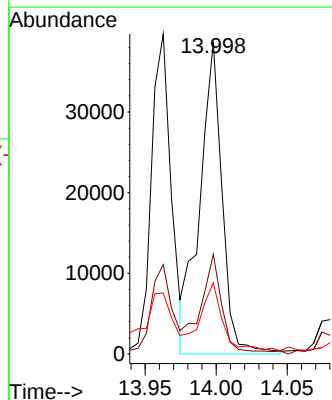
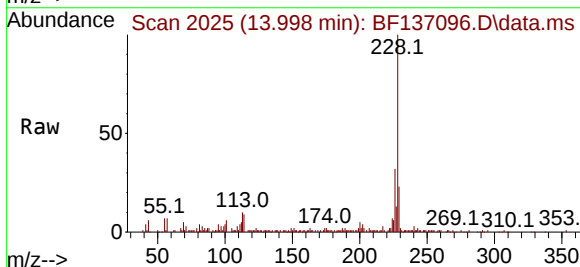
Instrument :
BNA_F
ClientSampleId :
MR-306-0-2

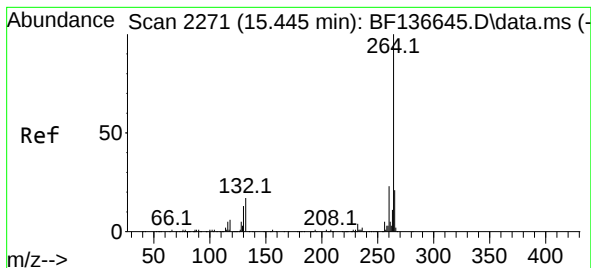
Tgt Ion:228 Resp: 38525
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 19.0 14.9 22.3



#83
Chrysene
Concen: 5.954 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137096.D
Acq: 17 Jan 2024 16:35

Tgt Ion:228 Resp: 42610
Ion Ratio Lower Upper
228 100
226 31.9 24.7 37.1
229 22.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

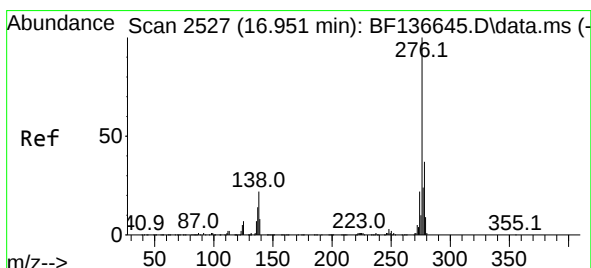
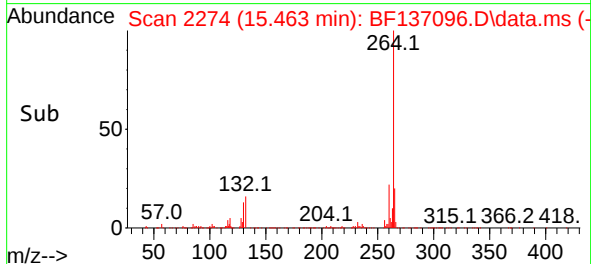
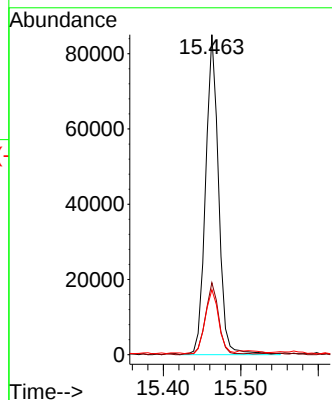
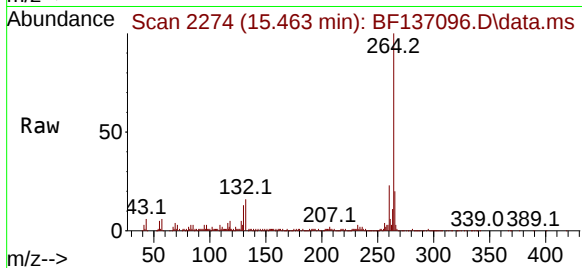
Tgt Ion:264 Resp: 99234

Ion Ratio Lower Upper

264 100

260 22.5 18.3 27.5

265 20.3 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.817 ng

RT: 16.986 min Scan# 2533

Delta R.T. 0.035 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

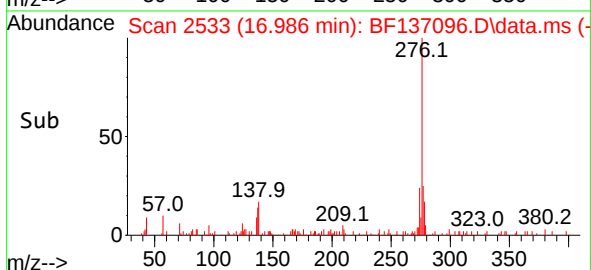
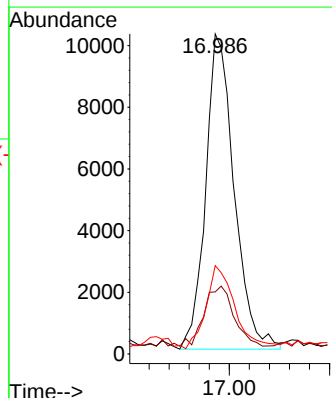
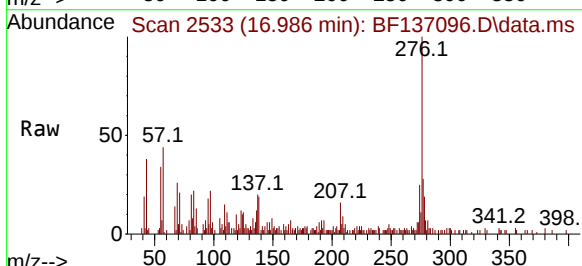
Tgt Ion:276 Resp: 20182

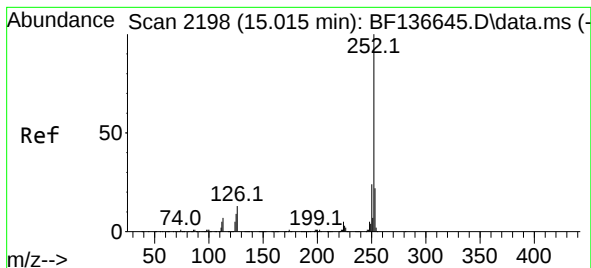
Ion Ratio Lower Upper

276 100

138 19.8 18.7 28.1

277 26.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 10.760 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

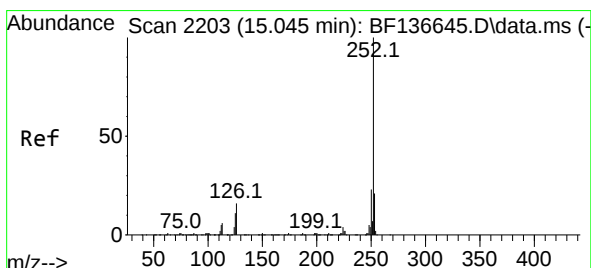
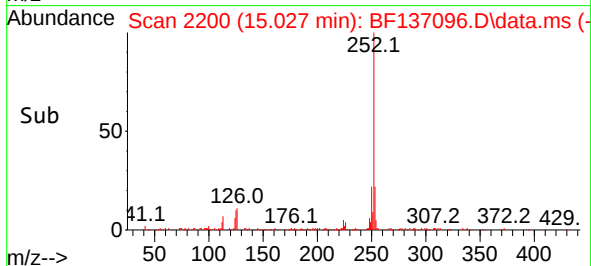
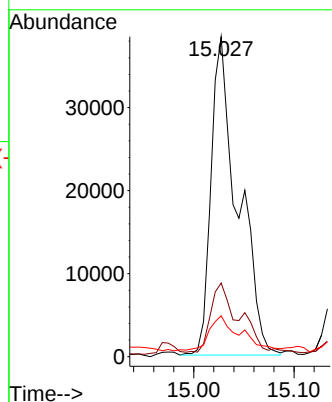
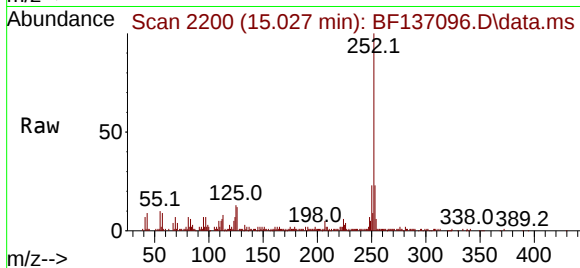
Tgt Ion:252 Resp: 71318

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 12.8 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 11.388 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.017 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

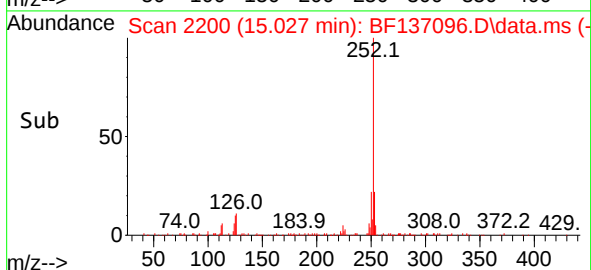
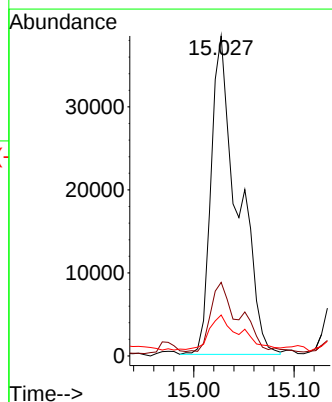
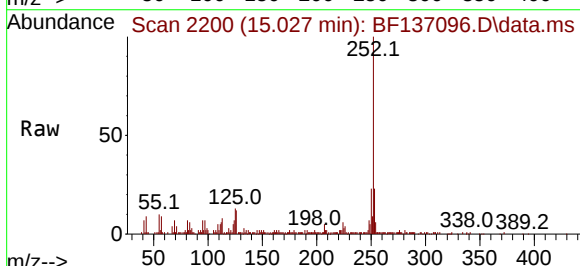
Tgt Ion:252 Resp: 71318

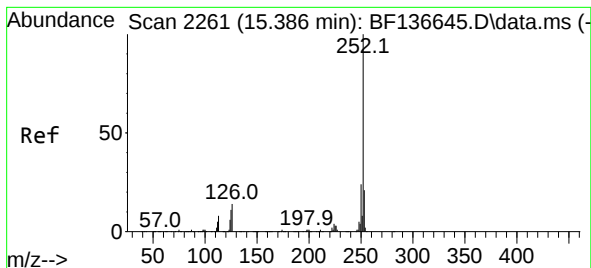
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 12.8 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 6.237 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Instrument :

BNA_F

ClientSampleId :

MR-306-0-2

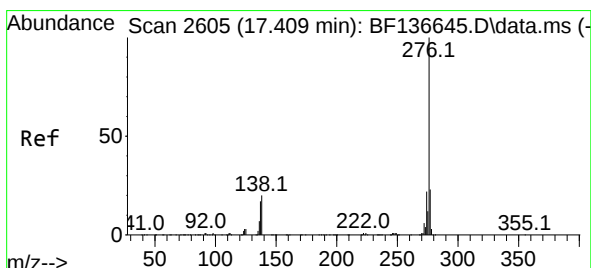
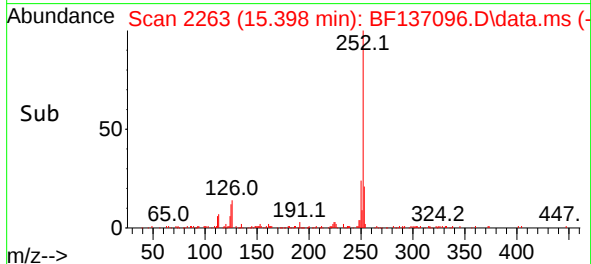
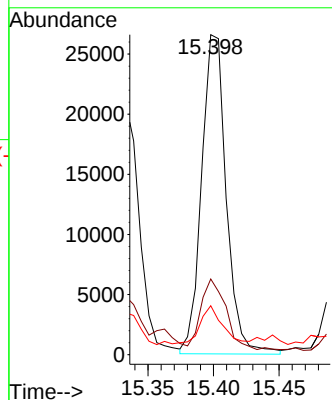
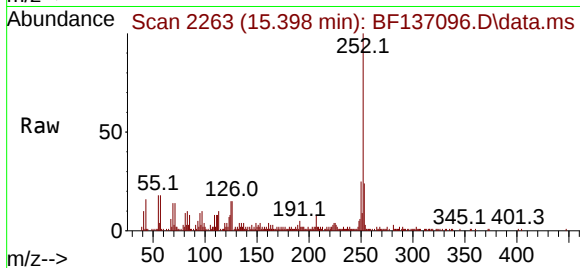
Tgt Ion:252 Resp: 34896

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

125 15.3 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.055 ng

RT: 17.457 min Scan# 2613

Delta R.T. 0.047 min

Lab File: BF137096.D

Acq: 17 Jan 2024 16:35

Tgt Ion:276 Resp: 18390

Ion Ratio Lower Upper

276 100

277 22.8 18.3 27.5

138 22.4 15.6 23.4

