

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137606.D
 Acq On : 14 Mar 2024 22:50
 Operator : CG\JU
 Sample : P1746-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-2.0-4.5

Quant Time: Mar 15 02:05:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

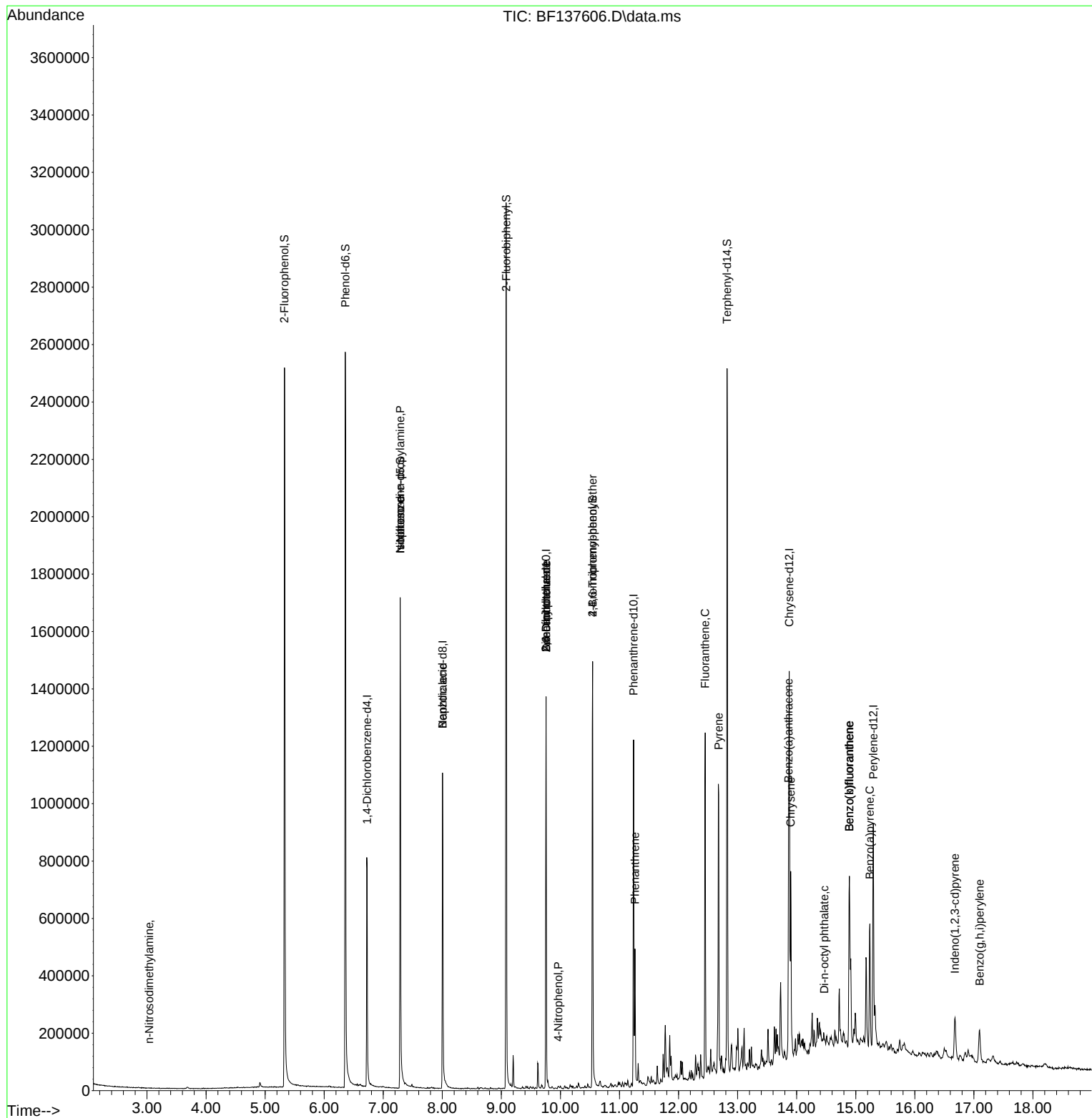
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	130811	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	489571	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	255069	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	411996	20.000	ng	0.00
76) Chrysene-d12	13.874	240	344805	20.000	ng	0.00
86) Perylene-d12	15.298	264	333659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	712855	82.535	ng	0.00
7) Phenol-d6	6.357	99	972877	78.034	ng	-0.01
23) Nitrobenzene-d5	7.287	82	566644	53.779	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	172326	76.933	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	923714	56.688	ng	0.00
79) Terphenyl-d14	12.822	244	871004	34.736	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.040	42	62	3.821	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	73268	9.517	ng	# 80
25) Isophorone	7.287	82	566644	28.307	ng	# 69
32) Benzoic acid	8.004	122	86	6.315	ng	# 1
50) Dimethylphthalate	9.757	163	39953	2.250	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	33002	8.886	ng	# 20
56) 4-Nitrophenol	9.963	139	1423	5.007	ng	# 5
57) 2,4-Dinitrotoluene	9.757	165	33002	7.233	ng	# 20
67) 4-Bromophenyl-phenylether	10.545	248	11855	2.642	ng	# 1
71) Phenanthrene	11.263	178	167398	7.466	ng	98
75) Fluoranthene	12.451	202	462846	21.118	ng	97
78) Pyrene	12.680	202	415610	12.284	ng	98
81) Benzo(a)anthracene	13.863	228	250707	10.374	ng	94
83) Chrysene	13.898	228	255350	10.454	ng	97
85) Di-n-octyl phthalate	14.468	149	3363	5.747	ng	# 66
87) Indeno(1,2,3-cd)pyrene	16.680	276	95062	4.329	ng	94
88) Benzo(b)fluoranthene	14.892	252	424282	21.497	ng	99
89) Benzo(k)fluoranthene	14.892	252	424282	20.014	ng	98
90) Benzo(a)pyrene	15.239	252	201156	10.342	ng	99
92) Benzo(g,h,i)perylene	17.098	276	87477	4.782	ng	97

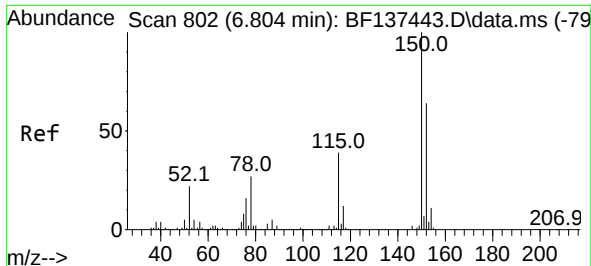
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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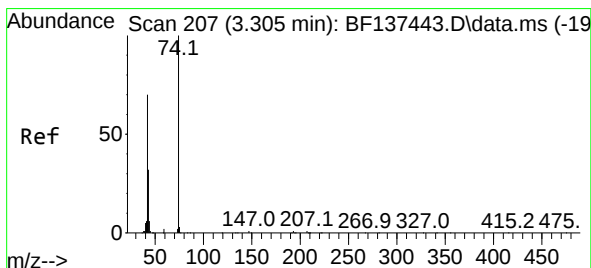
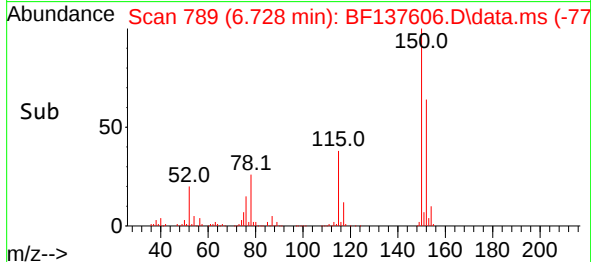
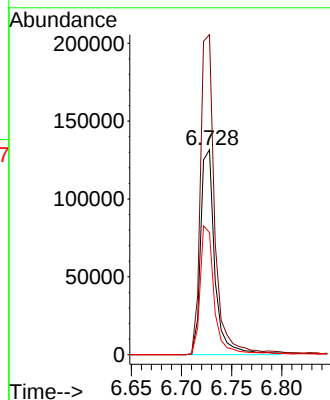
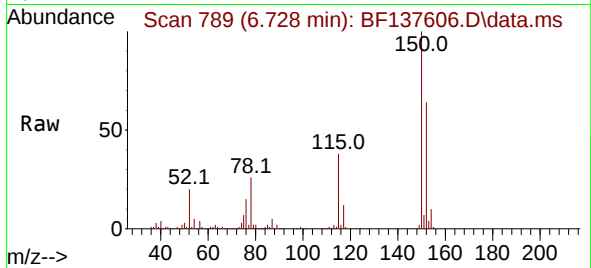




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

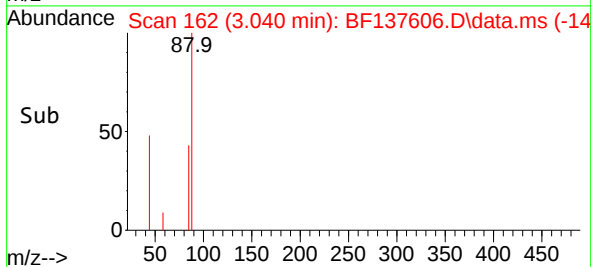
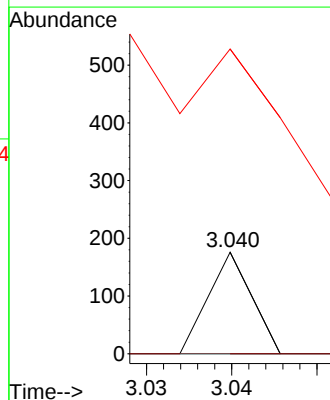
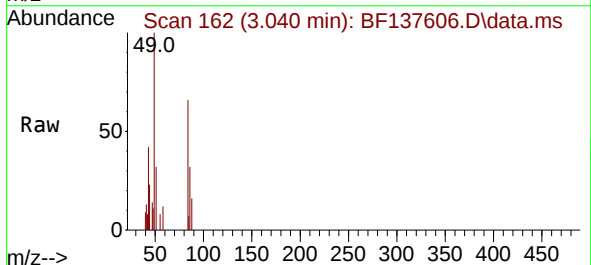
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5

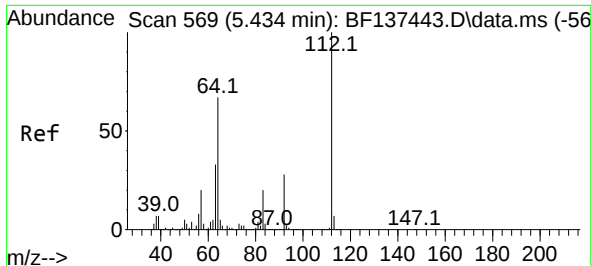
Tgt Ion:152 Resp: 130811
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 59.6 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.821 ng
RT: 3.040 min Scan# 162
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 300.0 7.0 10.4#

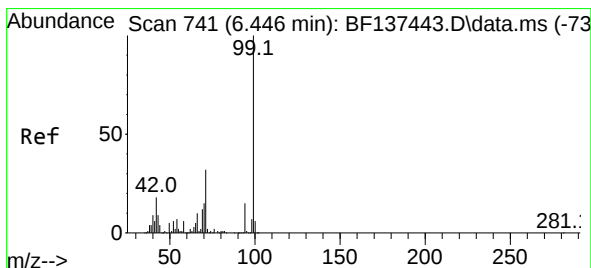
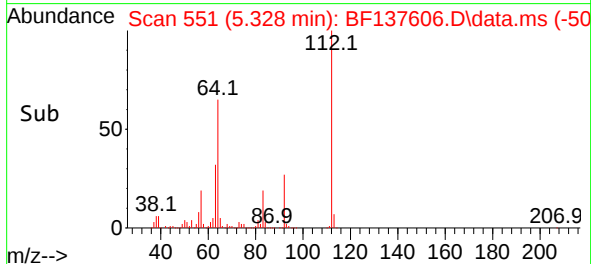
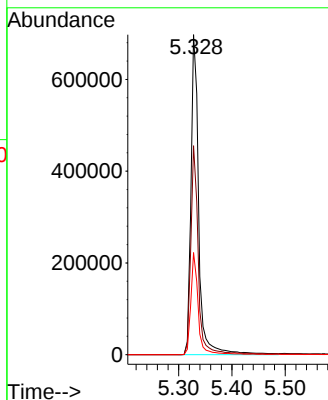
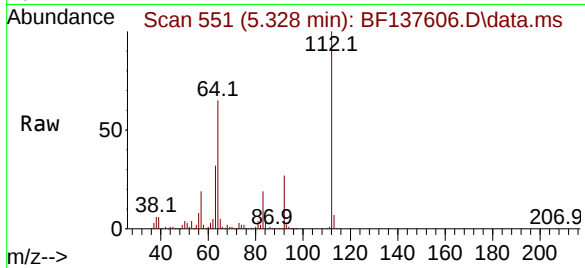




#5
2-Fluorophenol
Concen: 82.535 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

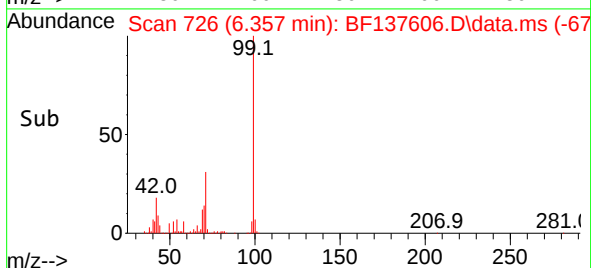
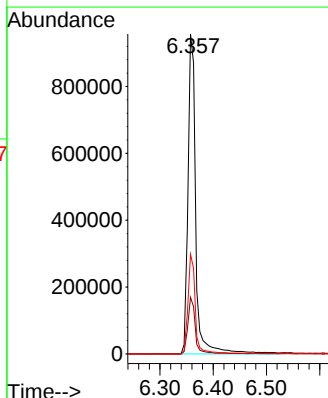
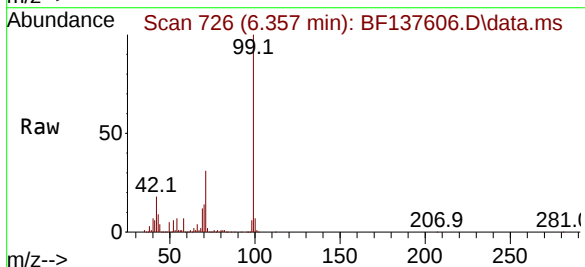
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5

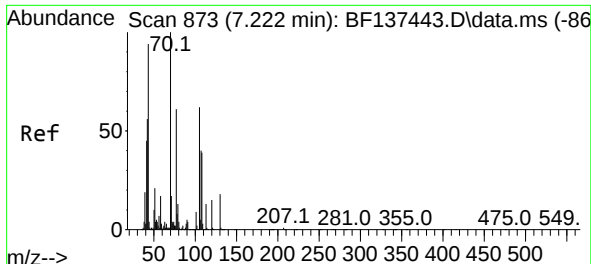
Tgt Ion:112 Resp: 712855
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 31.9 26.2 39.2



#7
Phenol-d6
Concen: 78.034 ng
RT: 6.357 min Scan# 726
Delta R.T. -0.012 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion: 99 Resp: 972877
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 31.2 25.3 37.9

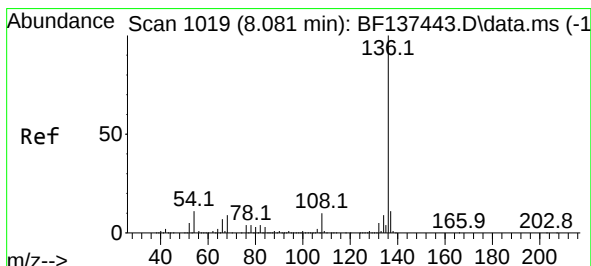
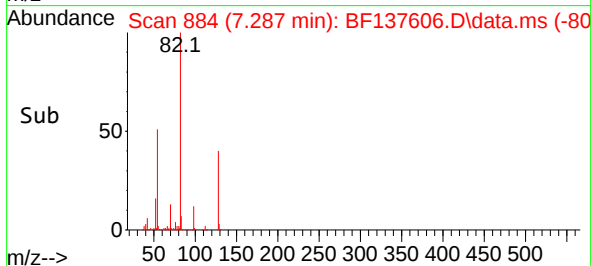
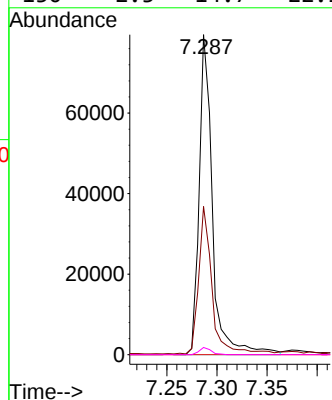
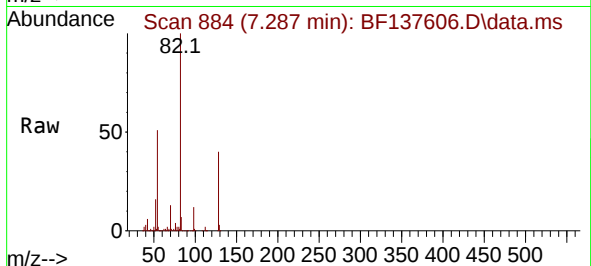




#19
n-Nitroso-di-n-propylamine
Concen: 9.517 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

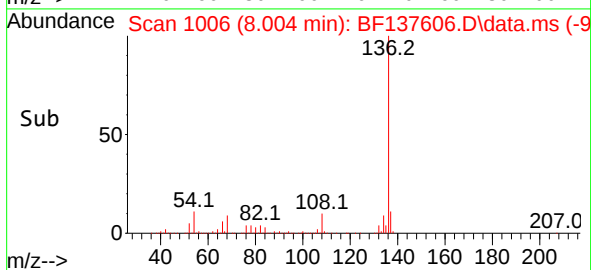
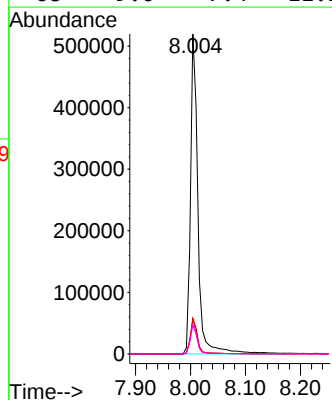
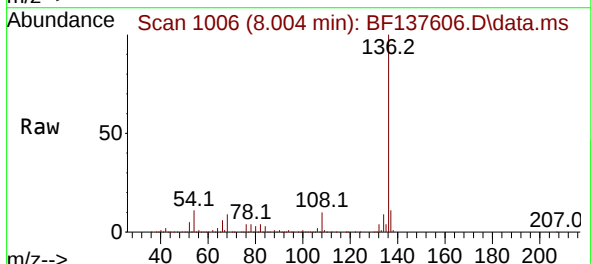
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5

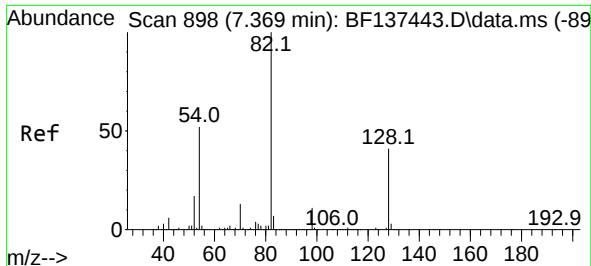
Tgt Ion:	70	Resp:	73268
Ion	Ratio	Lower	Upper
70	100		
42	46.3	45.2	67.8
101	0.0	7.3	10.9#
130	2.3	14.7	22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion:	136	Resp:	489571
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.9	8.5	12.7
68	9.0	7.4	11.2





#23

Nitrobenzene-d5

Concen: 53.779 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

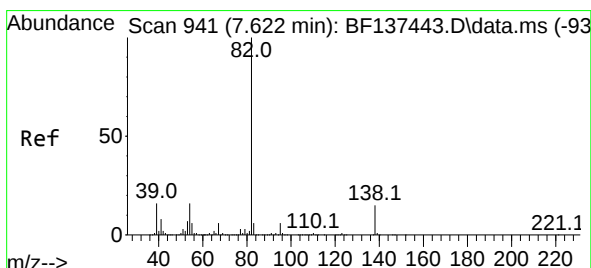
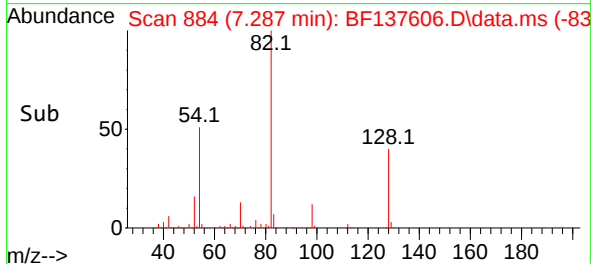
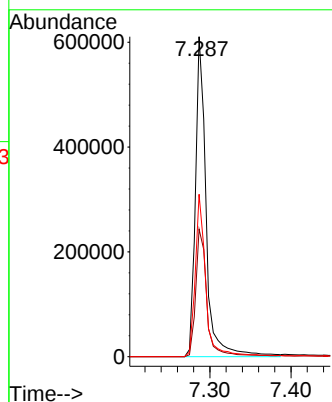
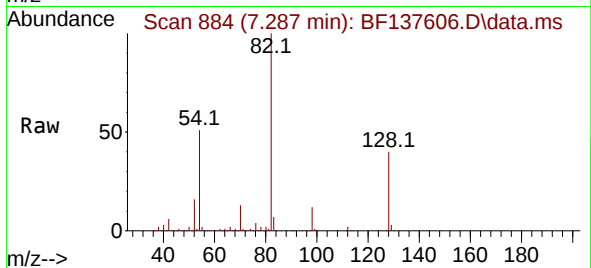
Tgt Ion: 82 Resp: 566644

Ion Ratio Lower Upper

82 100

128 39.8 32.5 48.7

54 50.8 41.5 62.3



#25

Isophorone

Concen: 28.307 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.265 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

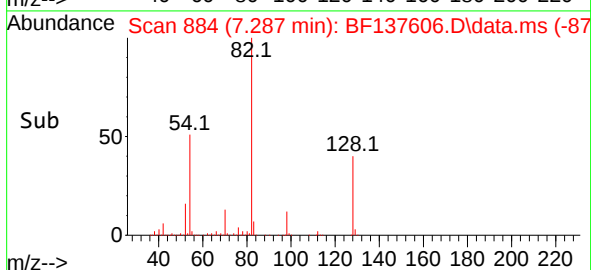
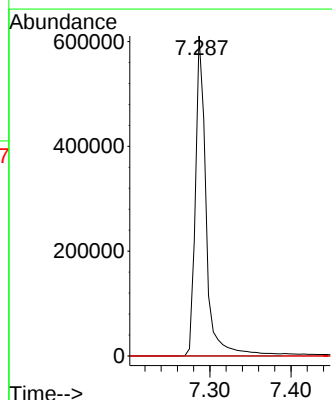
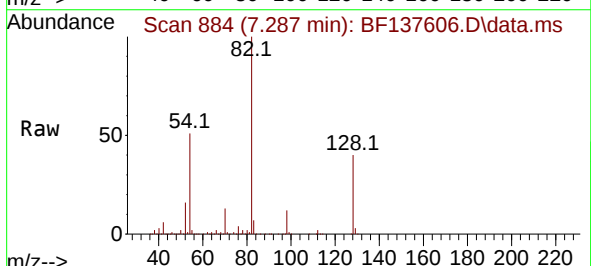
Tgt Ion: 82 Resp: 566644

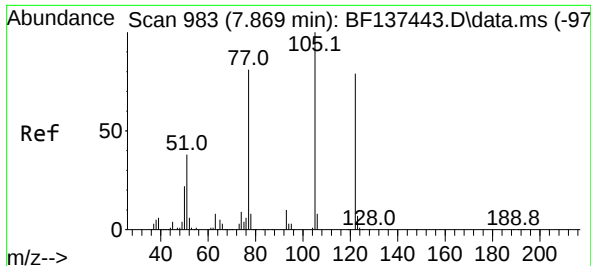
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

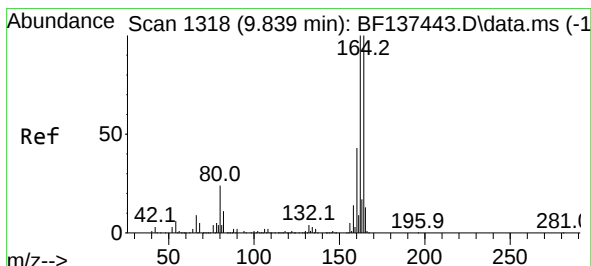
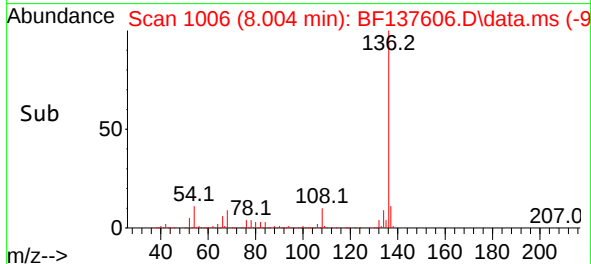
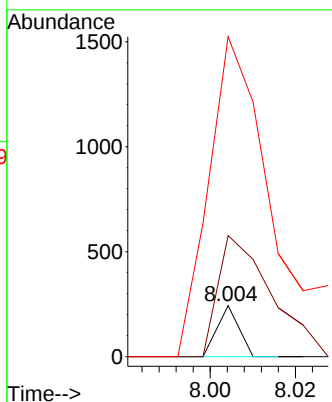
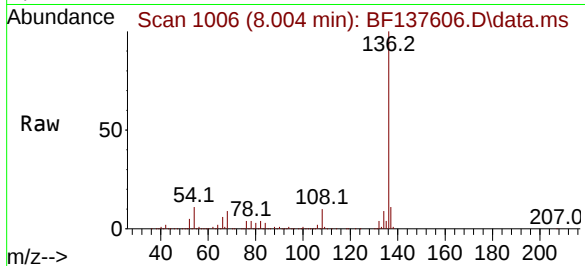




#32
Benzoic acid
Concen: 6.315 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.206 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

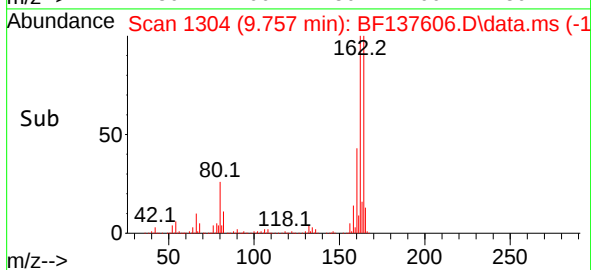
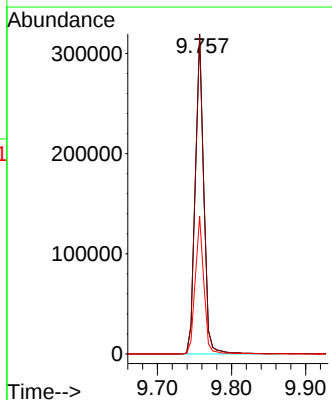
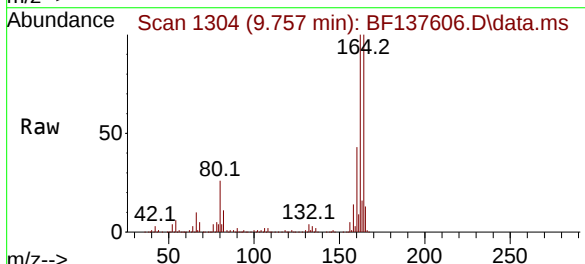
Instrument :
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ClientSampleId :
SB-05-2.0-4.5

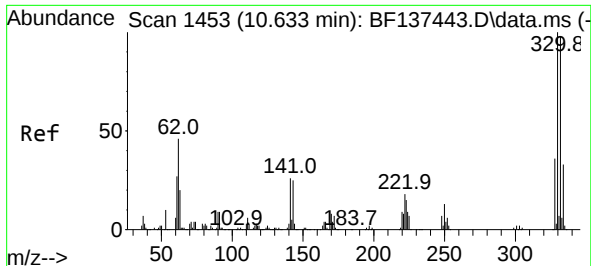
Tgt Ion:122 Resp: 86
Ion Ratio Lower Upper
122 100
105 237.4 102.4 142.4#
77 627.2 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion:164 Resp: 255069
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 43.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 76.933 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

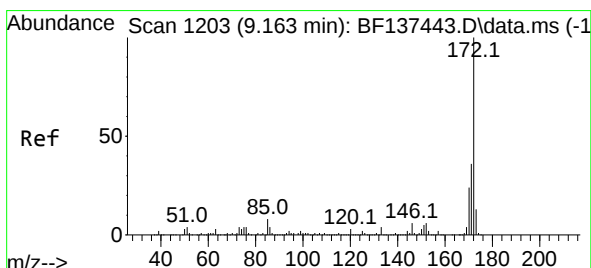
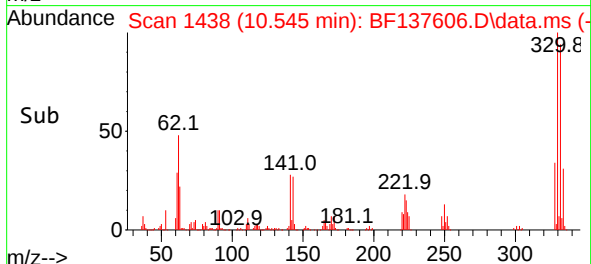
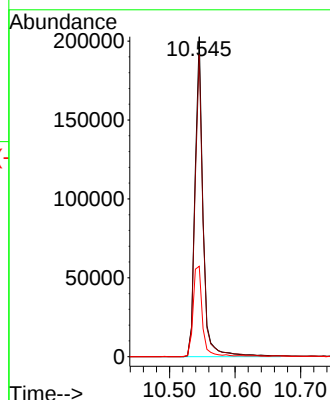
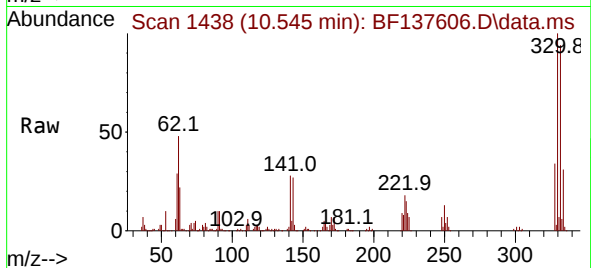
Tgt Ion:330 Resp: 172326

Ion Ratio Lower Upper

330 100

332 94.9 78.0 117.0

141 33.2 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 56.688 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

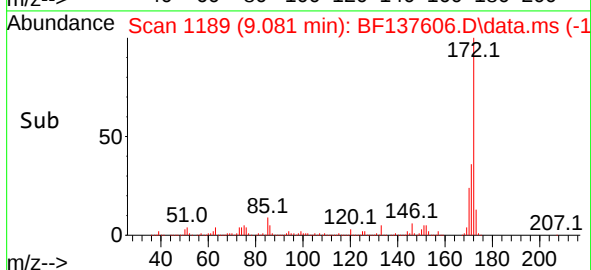
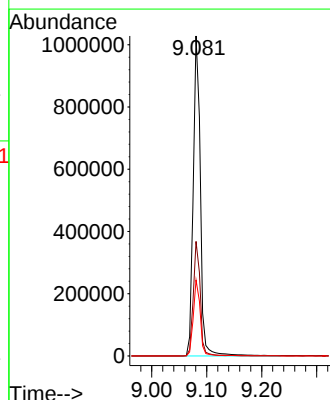
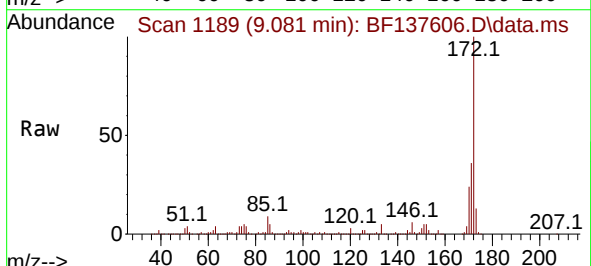
Tgt Ion:172 Resp: 923714

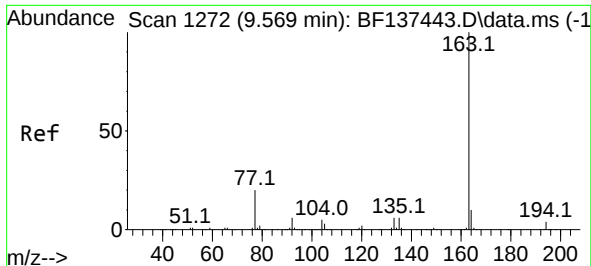
Ion Ratio Lower Upper

172 100

171 35.8 28.5 42.7

170 23.8 19.0 28.6

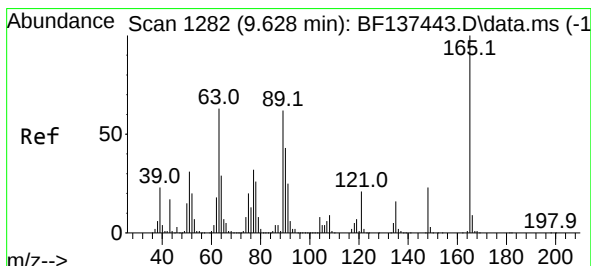
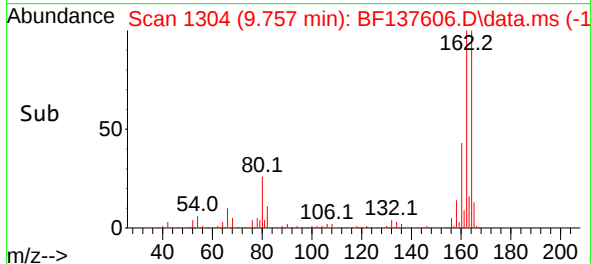
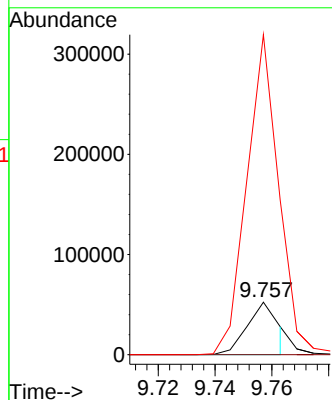
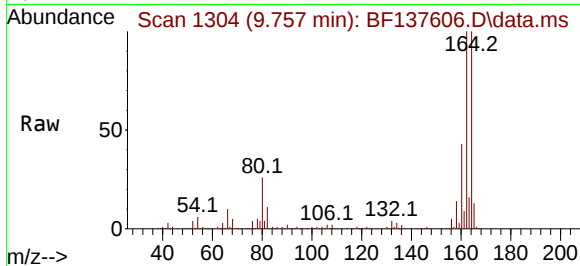




#50
Dimethylphthalate
Concen: 2.250 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

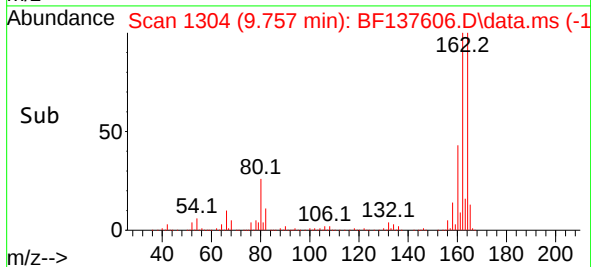
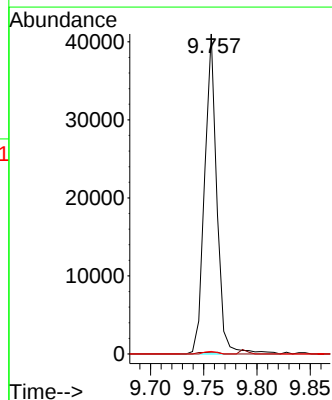
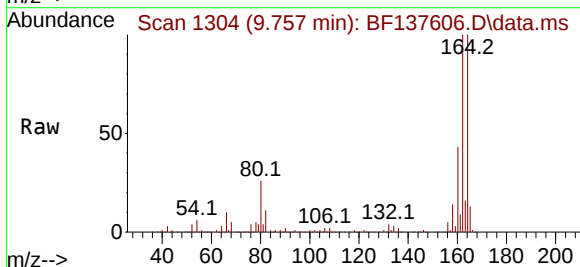
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BNA_F
ClientSampleId :
SB-05-2.0-4.5

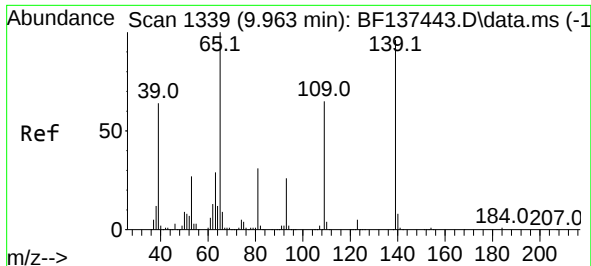
Tgt Ion:163 Resp: 39953
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 609.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.886 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion:165 Resp: 33002
Ion Ratio Lower Upper
165 100
63 0.5 50.7 76.1#
89 0.8 50.0 75.0#

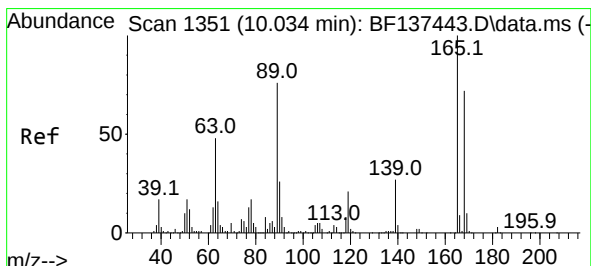
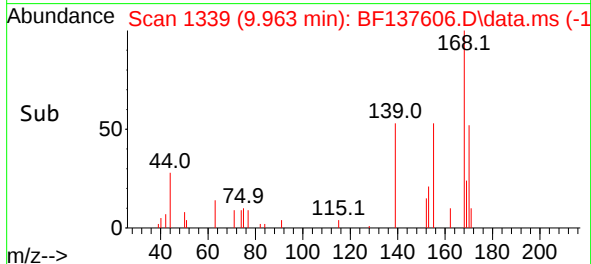
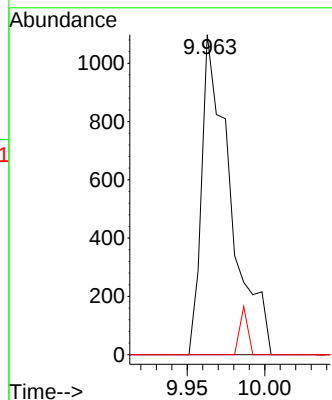
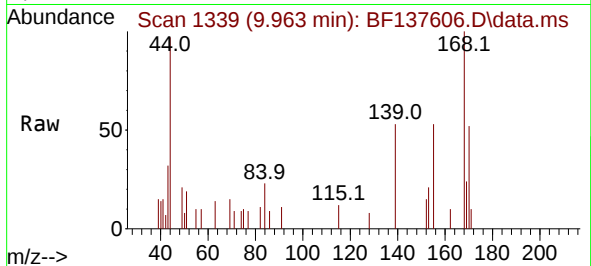




#56
4-Nitrophenol
Concen: 5.007 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

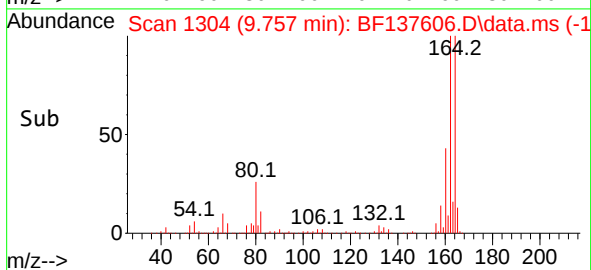
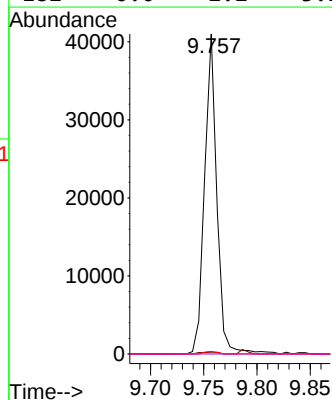
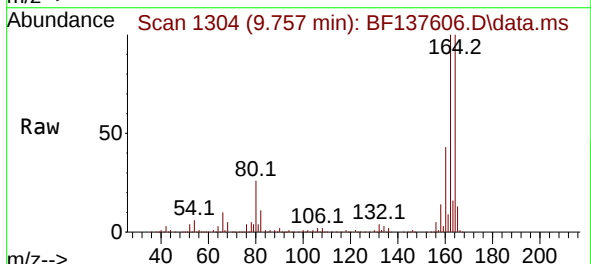
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5

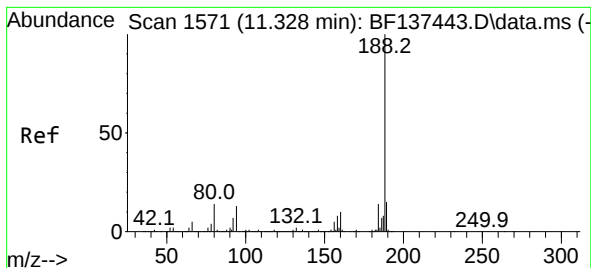
Tgt Ion:139 Resp: 1423
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.233 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion:165 Resp: 33002
Ion Ratio Lower Upper
165 100
63 0.5 39.0 58.6#
89 0.8 60.9 91.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

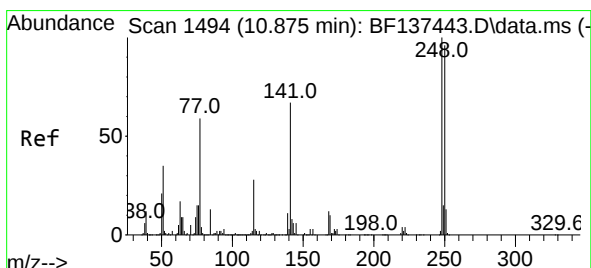
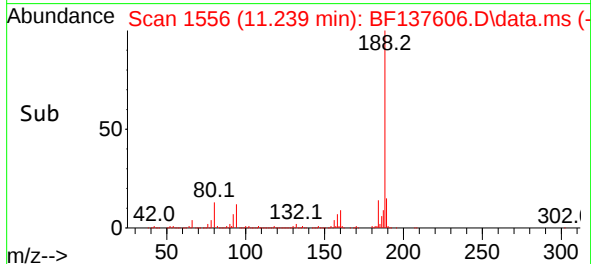
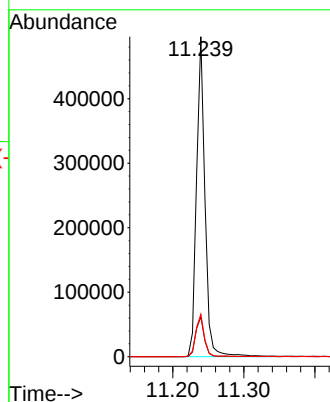
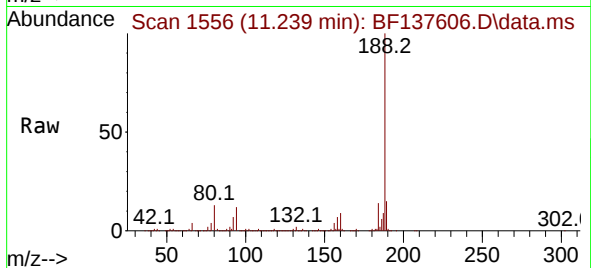
Tgt Ion:188 Resp: 411996

Ion Ratio Lower Upper

188 100

94 12.4 10.6 15.8

80 13.3 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 2.642 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.247 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

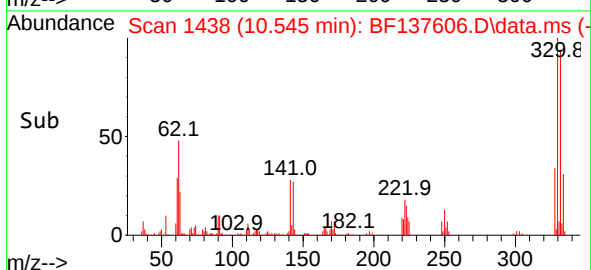
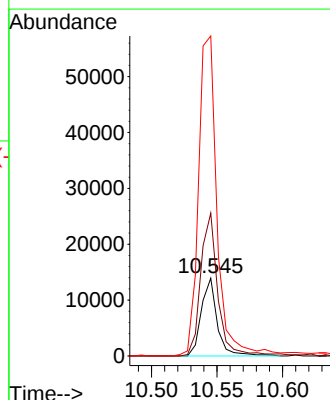
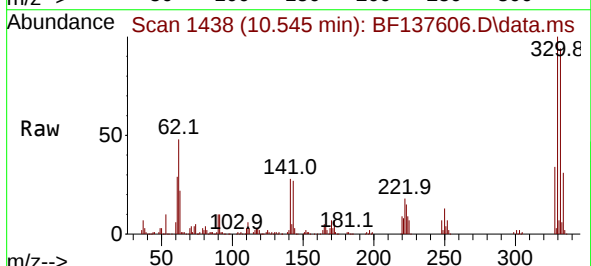
Tgt Ion:248 Resp: 11855

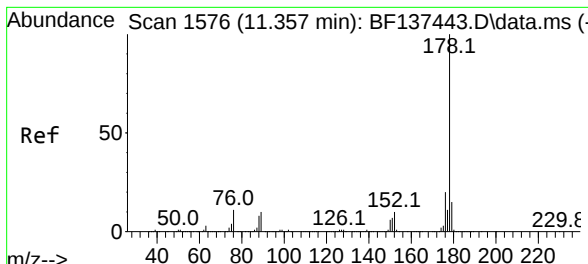
Ion Ratio Lower Upper

248 100

250 183.5 76.8 115.2#

141 411.1 53.4 80.0#



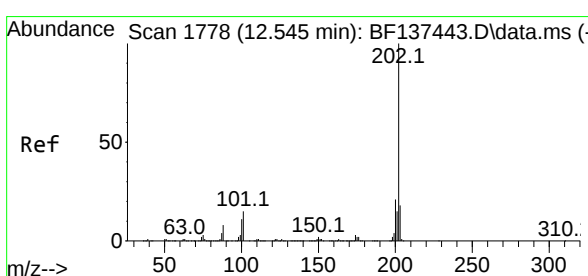
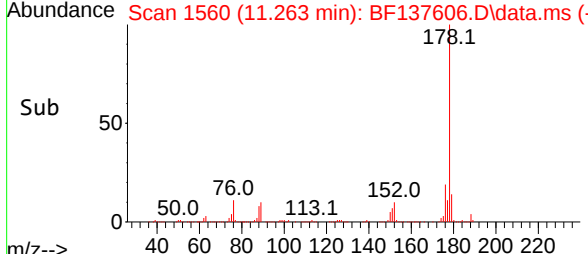
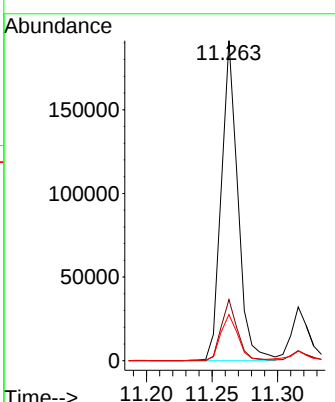
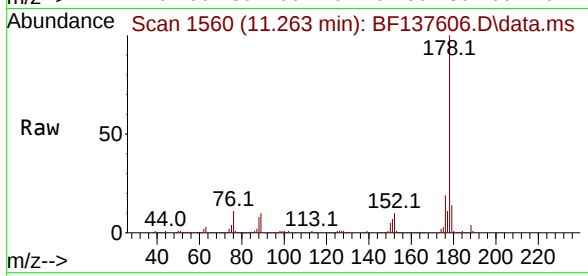


#71
 Phenanthrene
 Concen: 7.466 ng
 RT: 11.263 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137606.D
 Acq: 14 Mar 2024 22:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-2.0-4.5

Tgt Ion:178 Resp: 167398

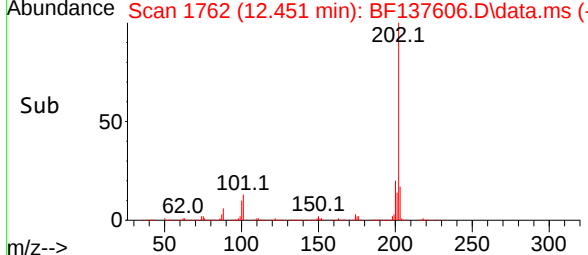
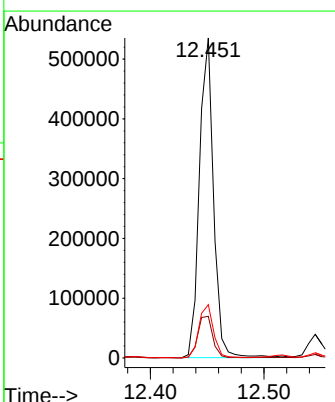
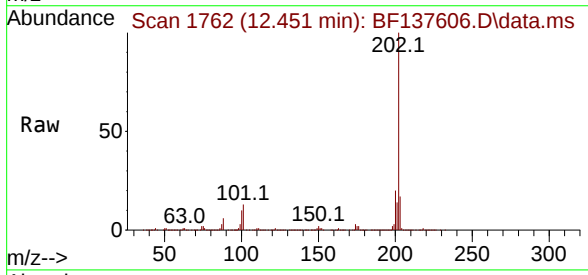
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.4	12.2	18.2

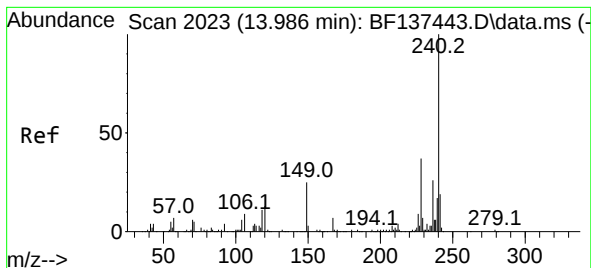


#75
 Fluoranthene
 Concen: 21.118 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. -0.000 min
 Lab File: BF137606.D
 Acq: 14 Mar 2024 22:50

Tgt Ion:202 Resp: 462846

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	35.0
203	16.7	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

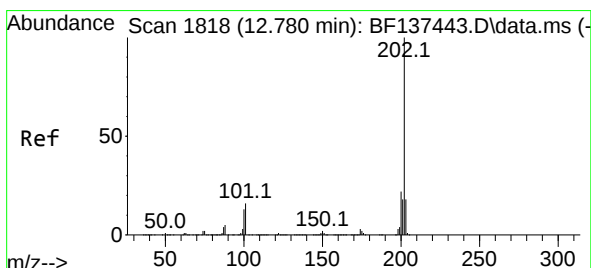
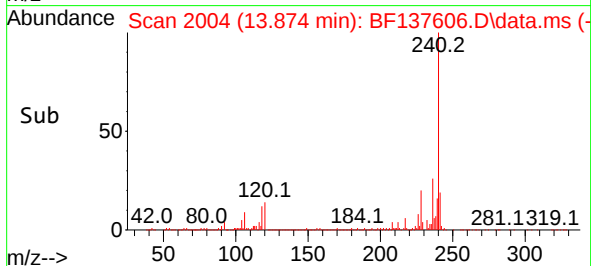
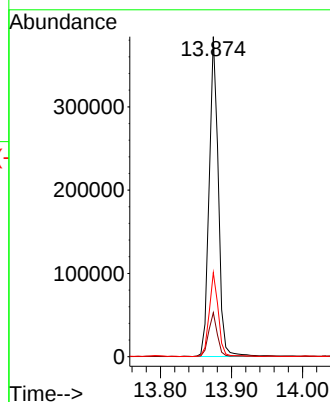
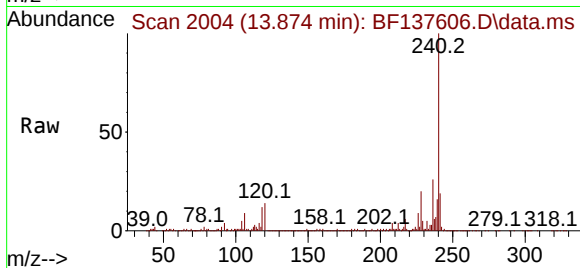
Tgt Ion:240 Resp: 344805

Ion Ratio Lower Upper

240 100

120 13.8 10.4 15.6

236 26.3 20.9 31.3



#78

Pyrene

Concen: 12.284 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

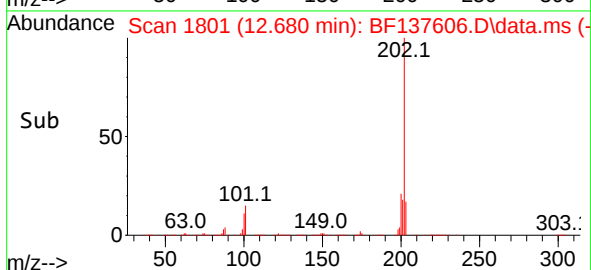
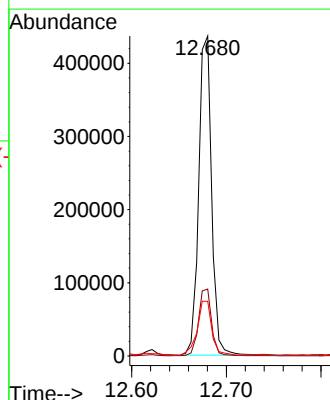
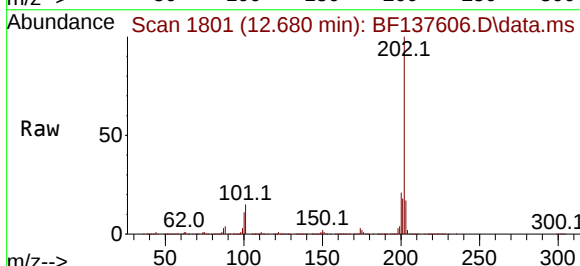
Tgt Ion:202 Resp: 415610

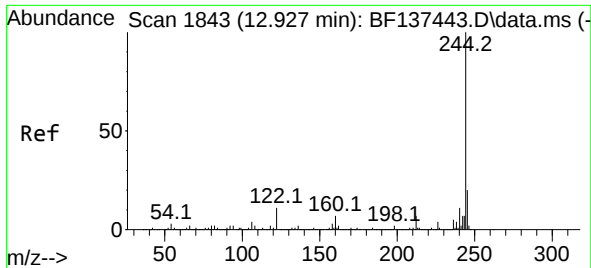
Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 17.1 14.1 21.1

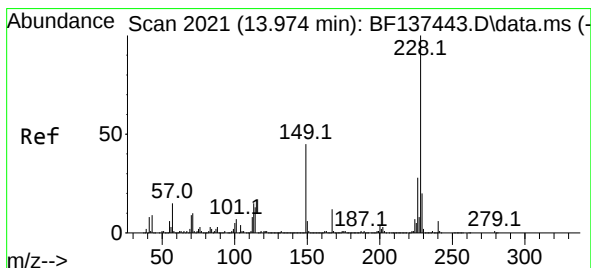
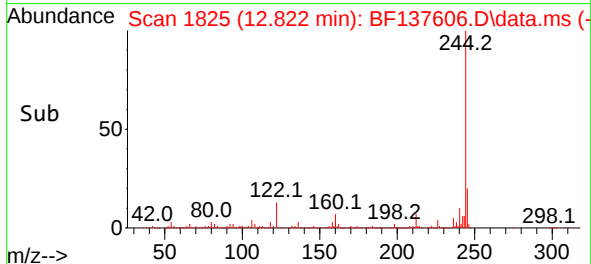
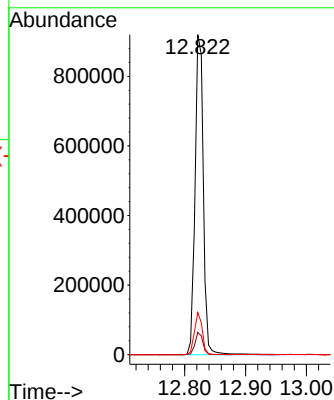
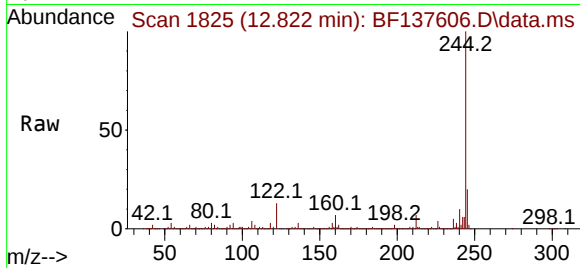




#79
 Terphenyl-d14
 Concen: 34.736 ng
 RT: 12.822 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137606.D
 Acq: 14 Mar 2024 22:50

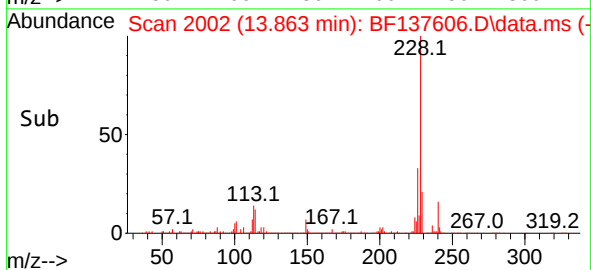
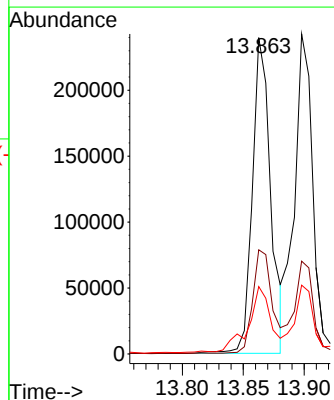
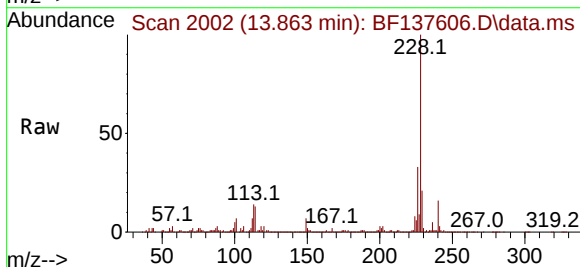
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-2.0-4.5

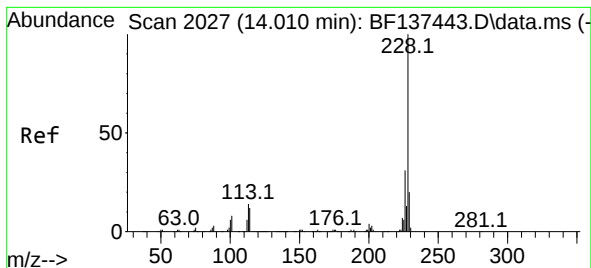
Tgt Ion:244 Resp: 871004
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 13.2 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 10.374 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF137606.D
 Acq: 14 Mar 2024 22:50

Tgt Ion:228 Resp: 250707
 Ion Ratio Lower Upper
 228 100
 226 32.9 22.3 33.5
 229 21.3 16.3 24.5





#83

Chrysene

Concen: 10.454 ng

RT: 13.898 min Scan# 2105

Delta R.T. -0.006 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

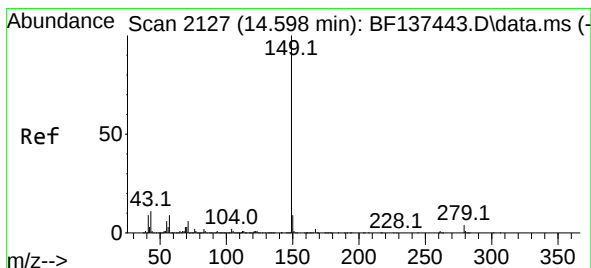
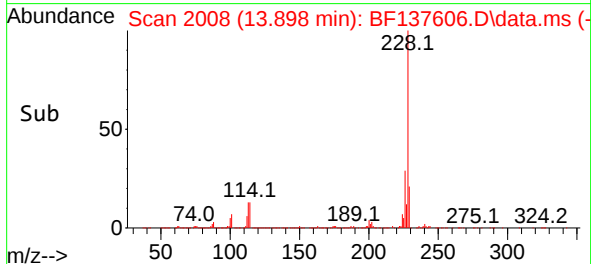
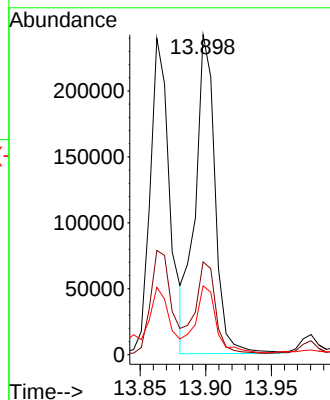
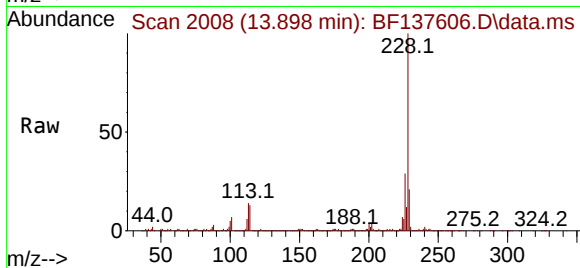
Tgt Ion:228 Resp: 255350

Ion Ratio Lower Upper

228 100

226 29.0 24.7 37.1

229 21.5 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.747 ng

RT: 14.468 min Scan# 2105

Delta R.T. -0.006 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

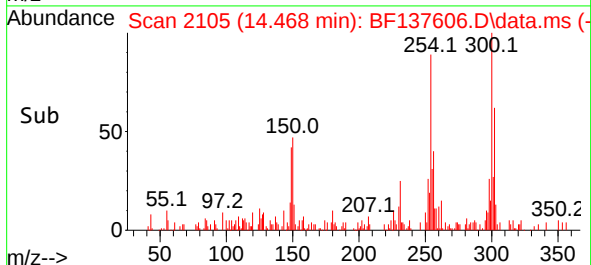
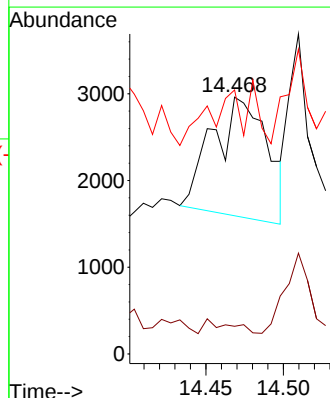
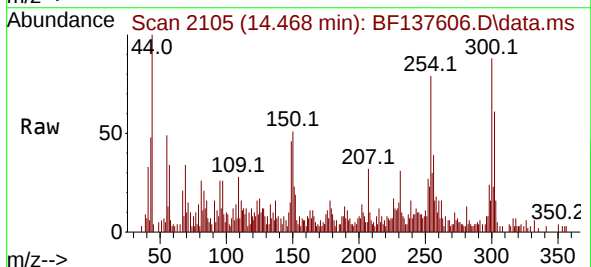
Tgt Ion:149 Resp: 3363

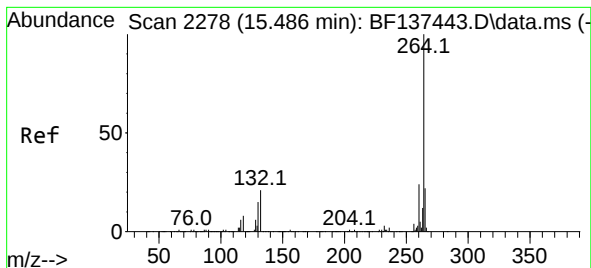
Ion Ratio Lower Upper

149 100

167 7.7 1.2 1.8#

43 26.2 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

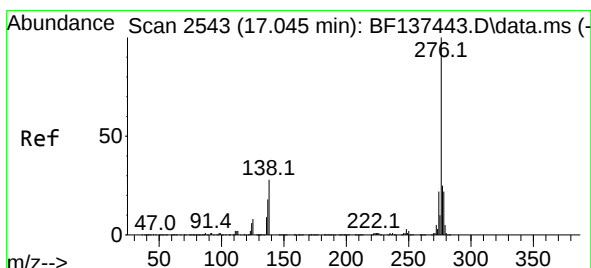
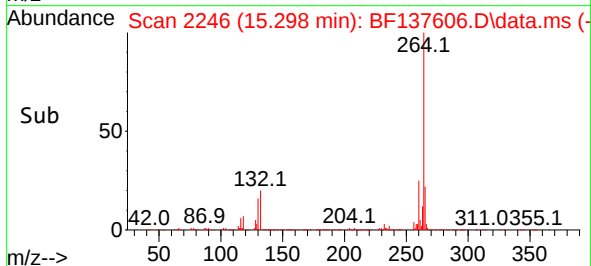
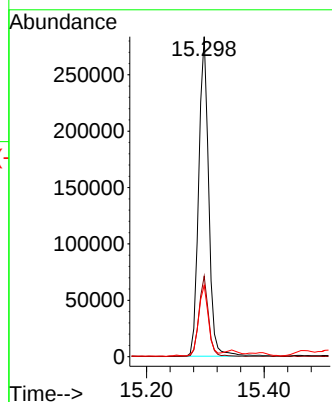
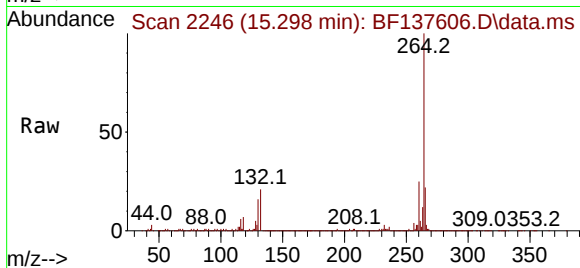
Tgt Ion:264 Resp: 333659

Ion Ratio Lower Upper

264 100

260 25.1 19.3 28.9

265 22.3 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.329 ng

RT: 16.680 min Scan# 2481

Delta R.T. -0.006 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

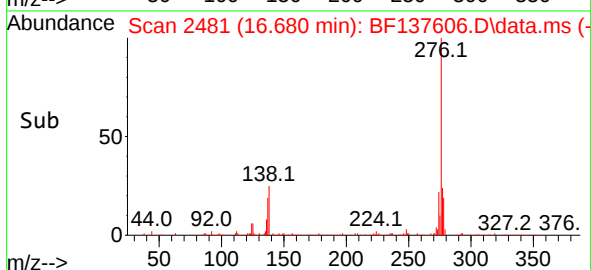
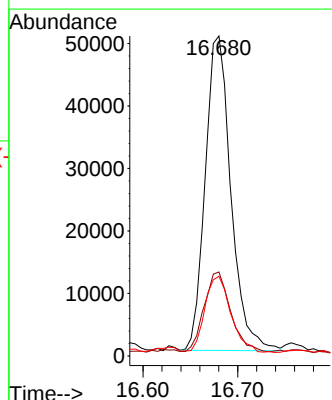
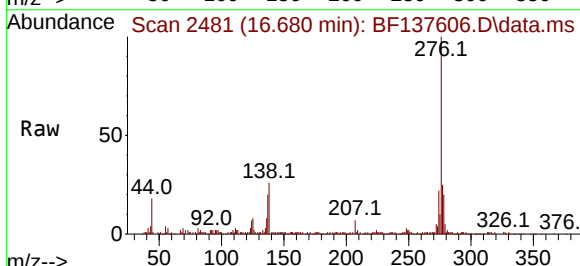
Tgt Ion:276 Resp: 95062

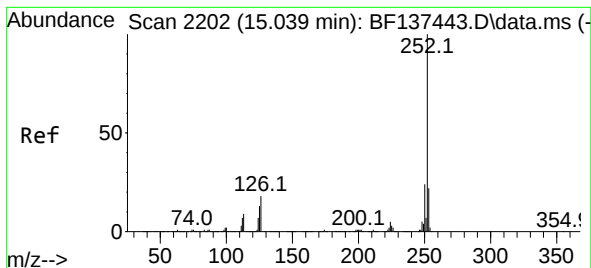
Ion Ratio Lower Upper

276 100

138 26.4 25.8 38.8

277 24.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 21.497 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

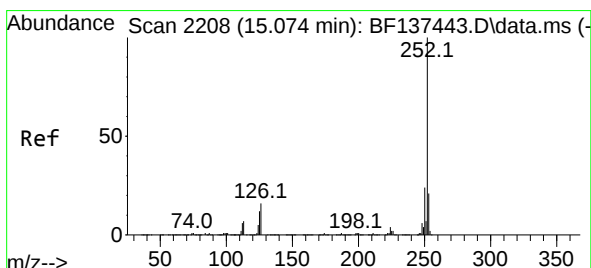
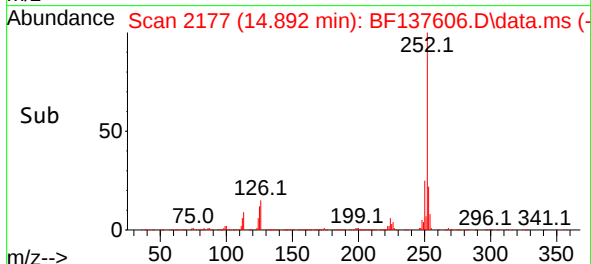
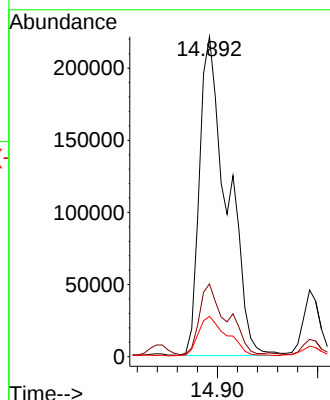
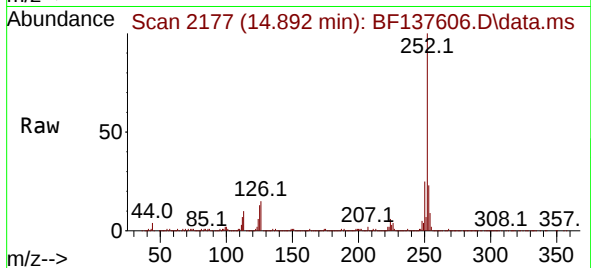
Tgt Ion:252 Resp: 424282

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 12.6 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 20.014 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

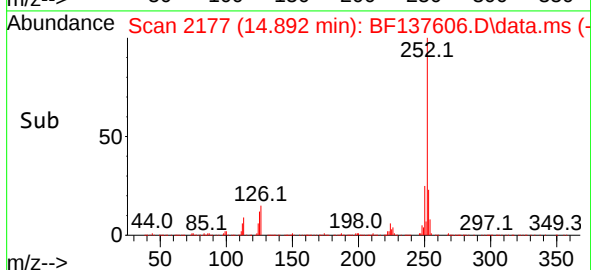
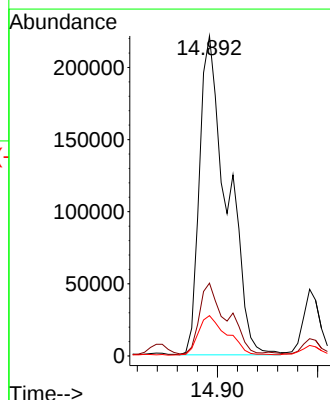
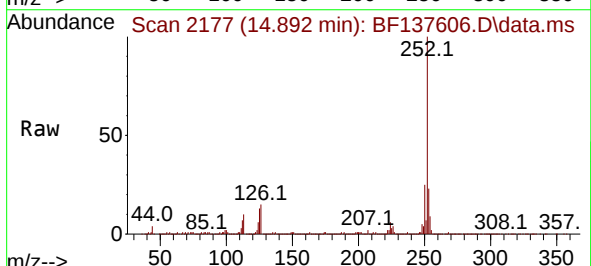
Tgt Ion:252 Resp: 424282

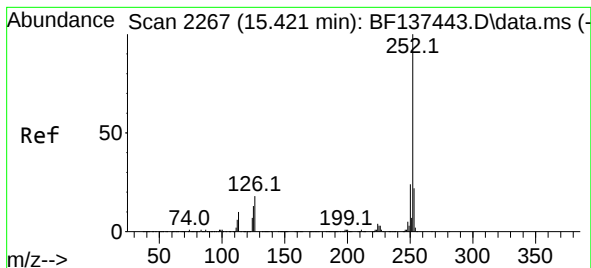
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 12.6 9.6 14.4





#90

Benzo(a)pyrene

Concen: 10.342 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

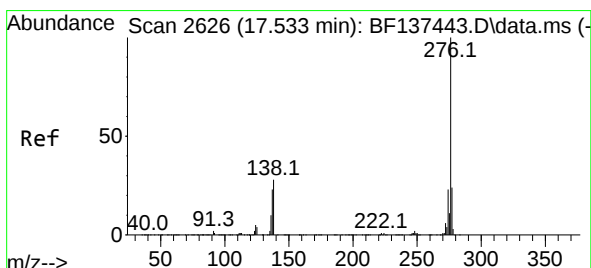
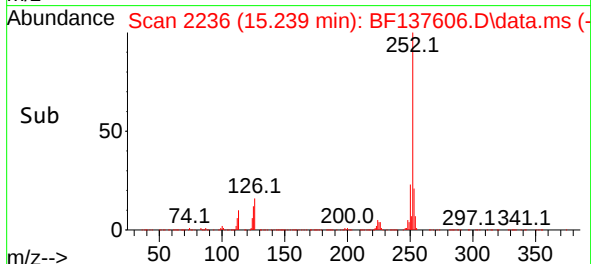
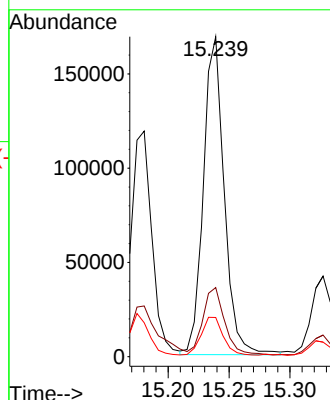
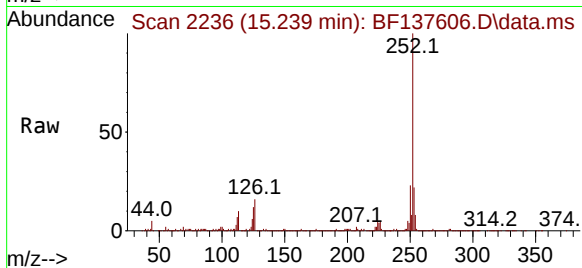
Tgt Ion:252 Resp: 201156

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 12.3 10.4 15.6



#92

Benzo(g,h,i)perylene

Concen: 4.782 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.006 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Tgt Ion:276 Resp: 87477

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 25.1 22.2 33.2

