

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137602.D
 Acq On : 14 Mar 2024 20:56
 Operator : CG\JU
 Sample : P1746-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-2.0-3.0

Quant Time: Mar 15 02:03:25 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)

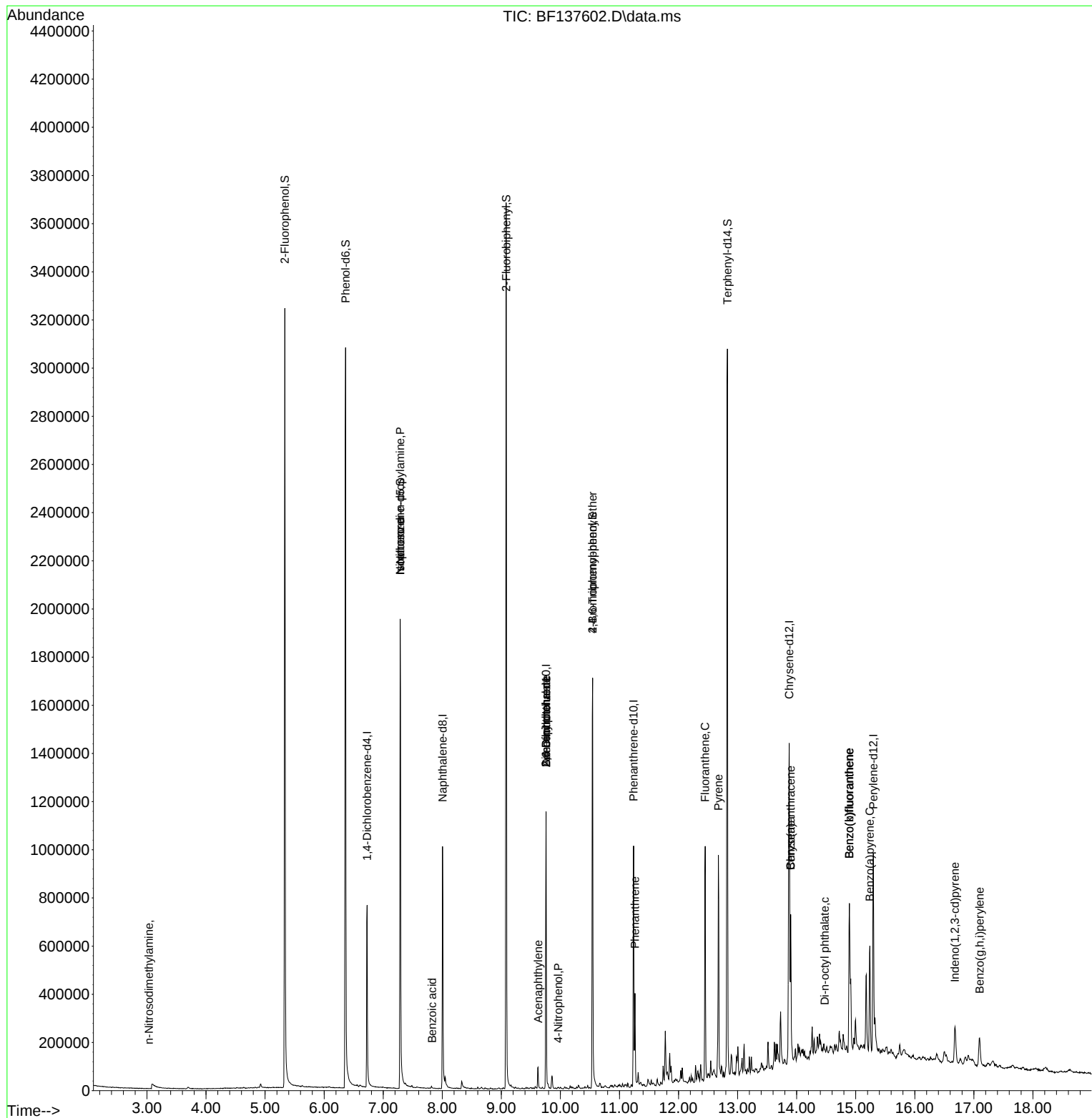
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	123704	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	453257	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	225987	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	362492	20.000	ng	0.00
76) Chrysene-d12	13.874	240	340276	20.000	ng	0.00
86) Perylene-d12	15.298	264	368031	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	903573	110.627	ng	0.00
7) Phenol-d6	6.363	99	1175867	99.735	ng	0.00
23) Nitrobenzene-d5	7.287	82	711815	72.969	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	205701	103.651	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1094161	75.790	ng	0.00
79) Terphenyl-d14	12.827	244	1133223	45.795	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.034	42	308	3.873	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	89585	12.305	ng	# 80
25) Isophorone	7.287	82	711811	38.408	ng	# 69
32) Benzoic acid	7.828	122	53	6.310	ng	# 1
49) Acenaphthylene	9.622	152	42596	2.111	ng	99
50) Dimethylphthalate	9.757	163	34848	2.215	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	28701	8.723	ng	# 20
56) 4-Nitrophenol	9.963	139	738	4.808	ng	# 5
57) 2,4-Dinitrotoluene	9.757	165	28702	7.100	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	14078	3.566	ng	# 1
71) Phenanthrene	11.263	178	130921	6.636	ng	98
75) Fluoranthene	12.451	202	388510	20.148	ng	96
78) Pyrene	12.675	202	359161	10.757	ng	99
81) Benzo(a)anthracene	13.898	228	231837	9.721	ng	98
83) Chrysene	13.898	228	231837	9.618	ng	98
85) Di-n-octyl phthalate	14.474	149	1870	5.686	ng	# 33
87) Indeno(1,2,3-cd)pyrene	16.680	276	101868	4.206	ng	94
88) Benzo(b)fluoranthene	14.892	252	428934	19.703	ng	99
89) Benzo(k)fluoranthene	14.892	252	428934	18.343	ng	97
90) Benzo(a)pyrene	15.239	252	205577	9.582	ng	97
92) Benzo(g,h,i)perylene	17.098	276	92049	4.562	ng	97

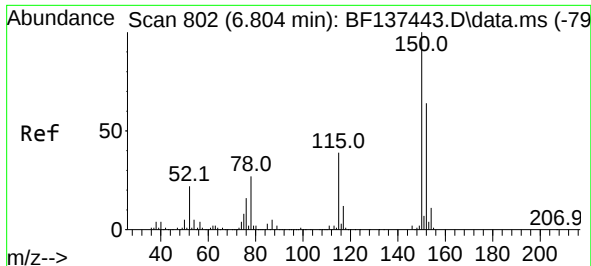
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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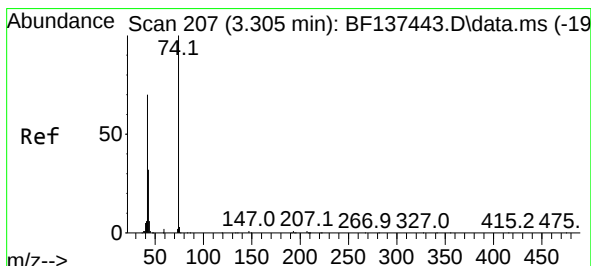
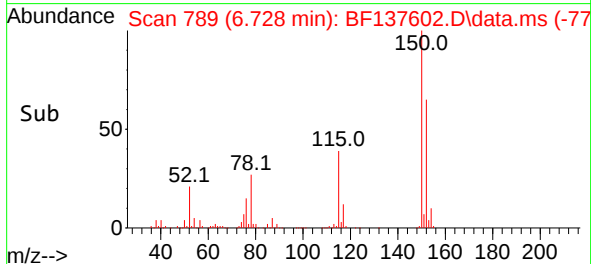
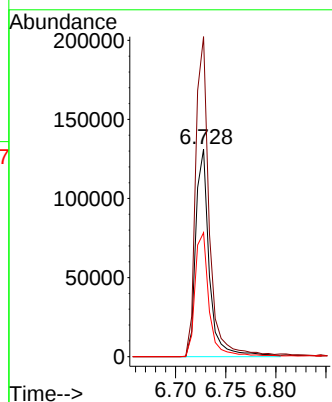
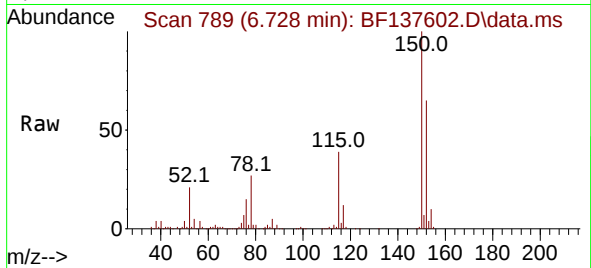




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

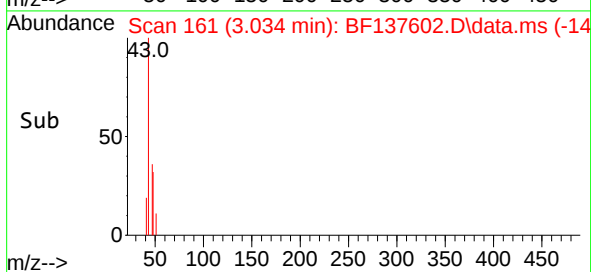
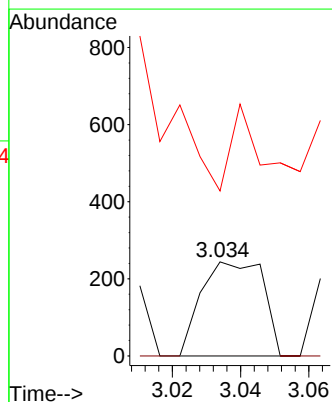
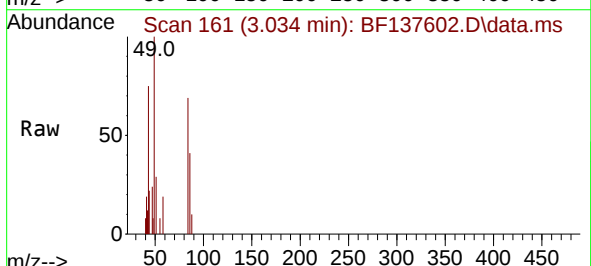
Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0

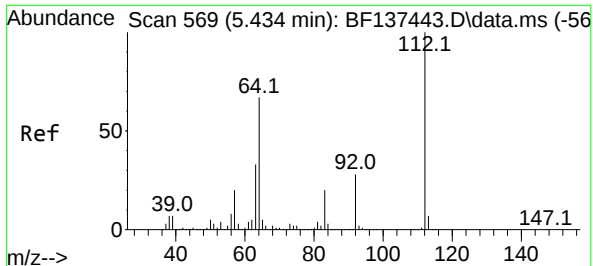
Tgt Ion:152 Resp: 123704
Ion Ratio Lower Upper
152 100
150 154.2 125.8 188.6
115 59.8 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.873 ng
RT: 3.034 min Scan# 161
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion: 42 Resp: 308
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 175.4 7.0 10.4#

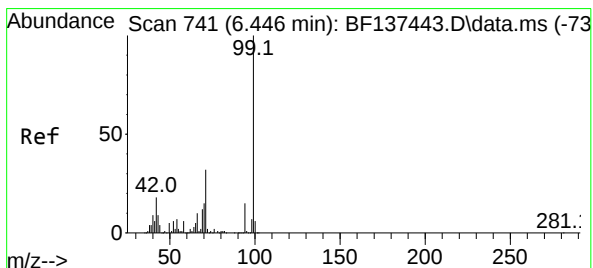
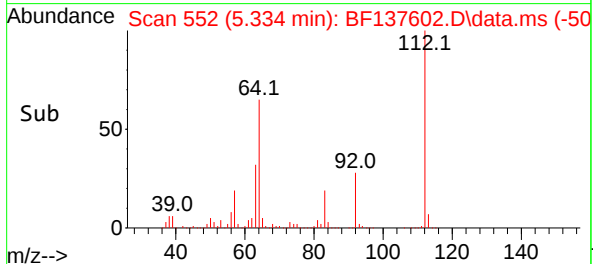
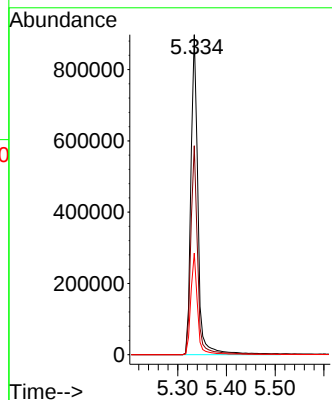
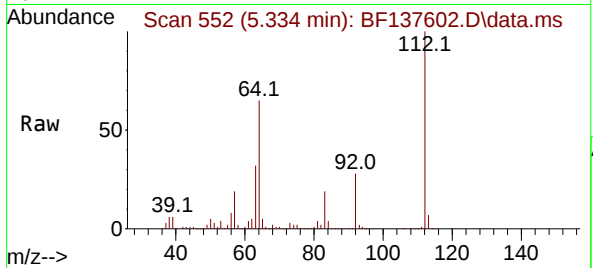




#5
2-Fluorophenol
Concen: 110.627 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

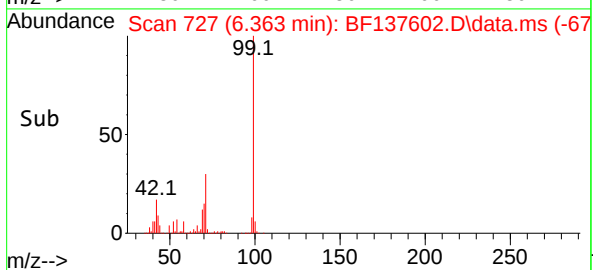
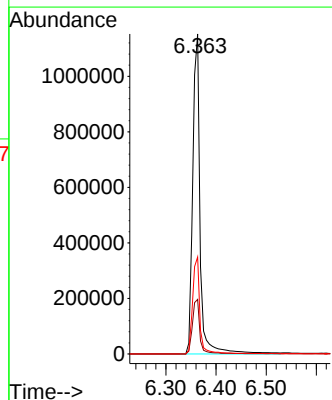
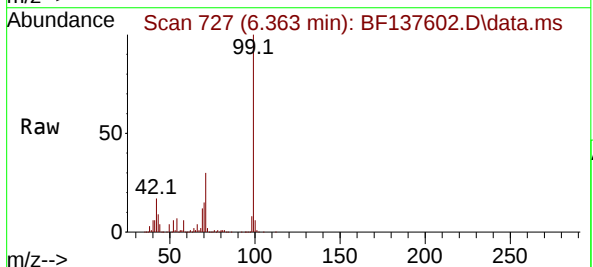
Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0

Tgt Ion:112 Resp: 903573
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 31.8 26.2 39.2



#7
Phenol-d6
Concen: 99.735 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

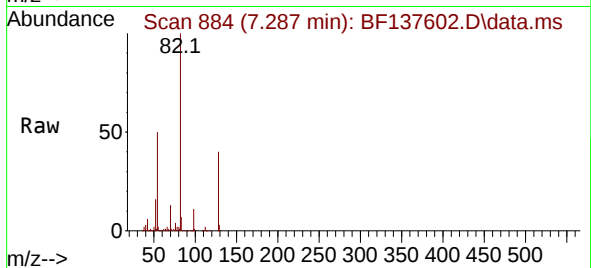
Tgt Ion: 99 Resp: 1175867
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 30.3 25.3 37.9





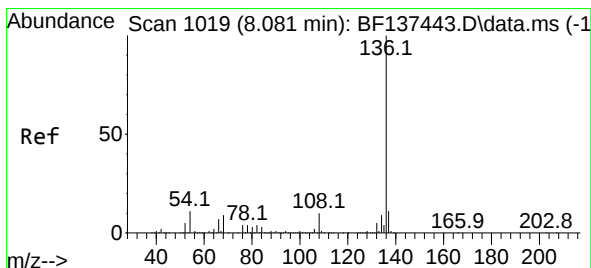
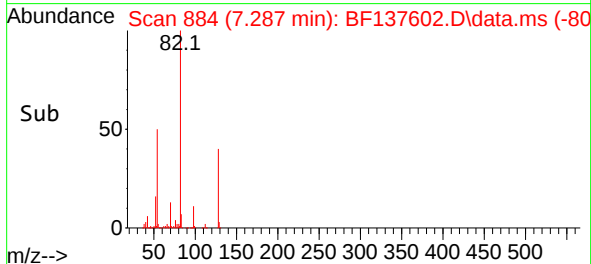
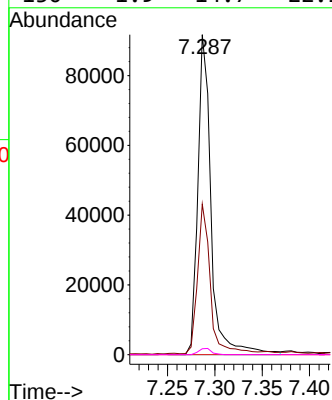
#19
n-Nitroso-di-n-propylamine
Concen: 12.305 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0



Tgt Ion: 70 Resp: 89585

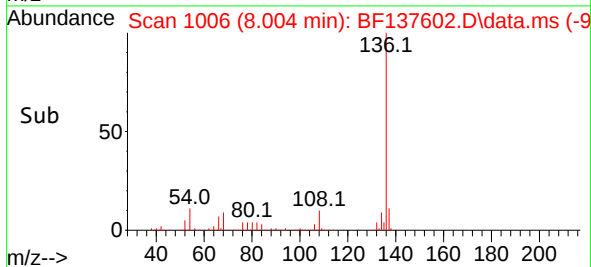
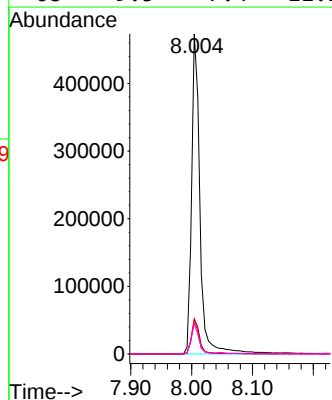
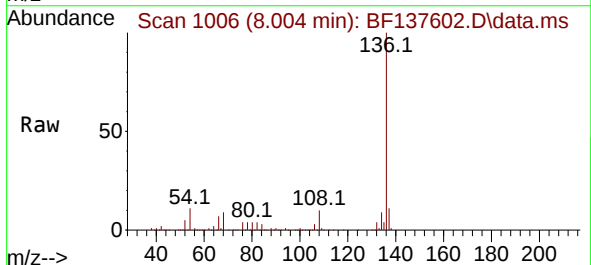
Ion	Ratio	Lower	Upper
70	100		
42	47.1	45.2	67.8
101	0.0	7.3	10.9#
130	1.9	14.7	22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion: 136 Resp: 453257

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.8	8.5	12.7
68	9.5	7.4	11.2





#23

Nitrobenzene-d5

Concen: 72.969 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

Instrument :

BNA_F

ClientSampleId :

SB-03-2.0-3.0

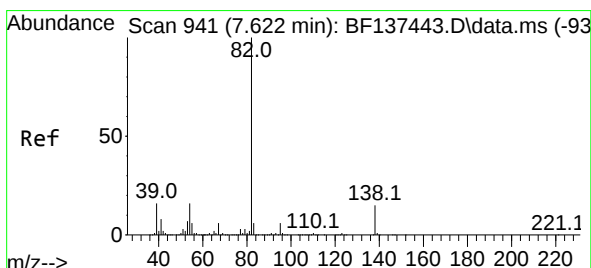
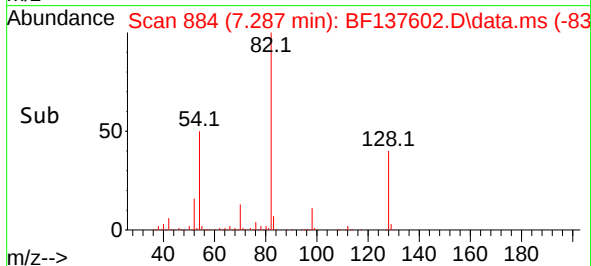
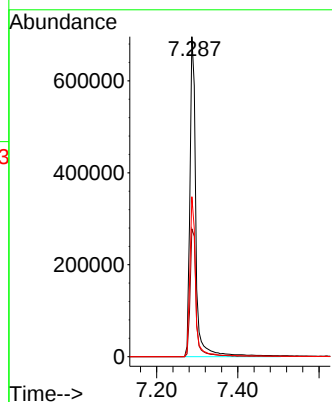
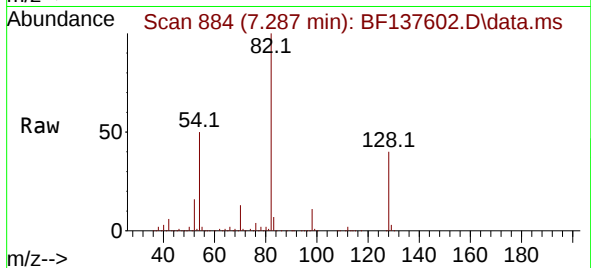
Tgt Ion: 82 Resp: 711815

Ion Ratio Lower Upper

82 100

128 39.9 32.5 48.7

54 50.0 41.5 62.3



#25

Isophorone

Concen: 38.408 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.265 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

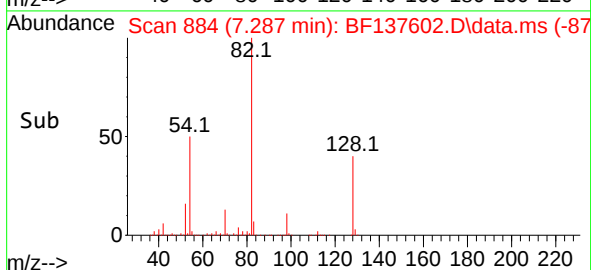
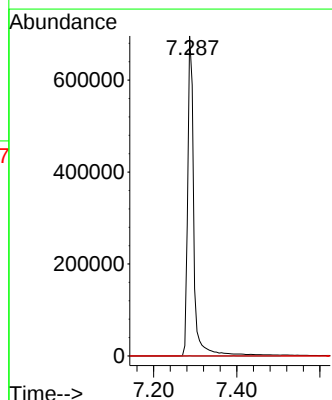
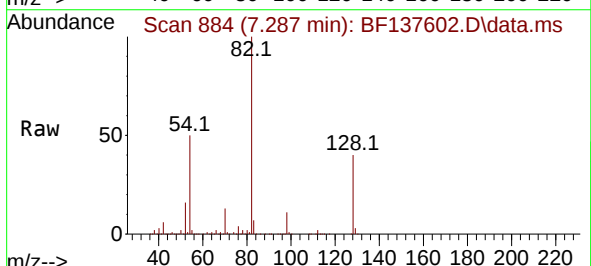
Tgt Ion: 82 Resp: 711811

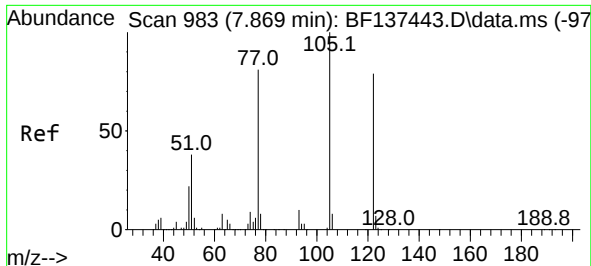
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

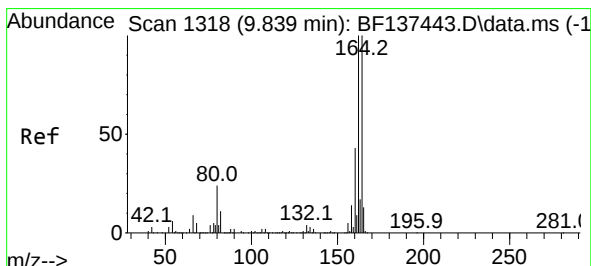
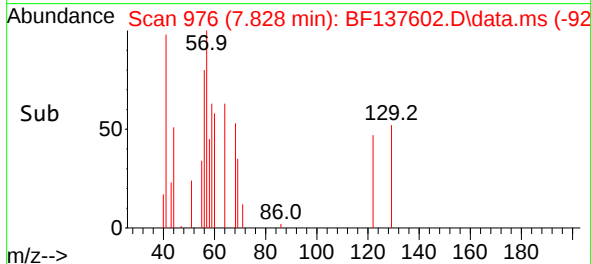
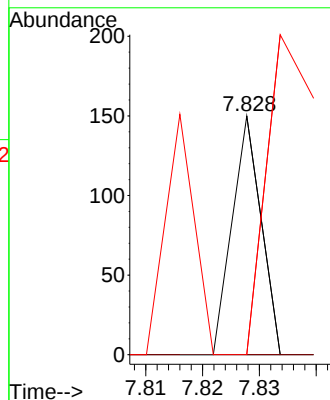
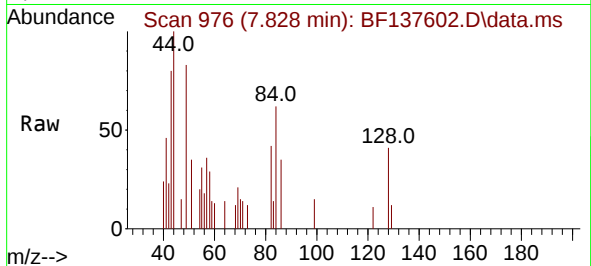




#32
Benzoic acid
Concen: 6.310 ng
RT: 7.828 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

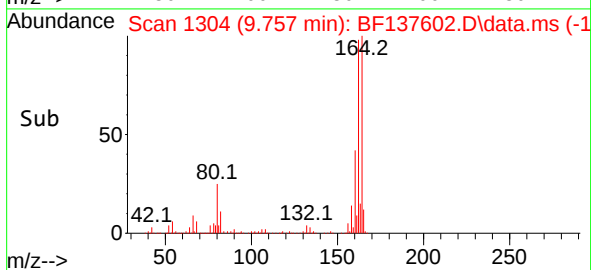
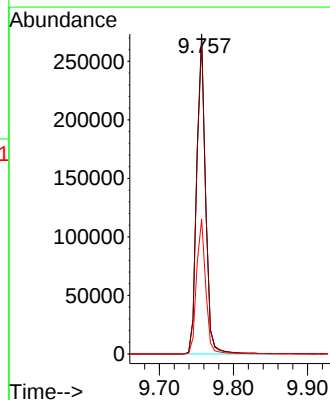
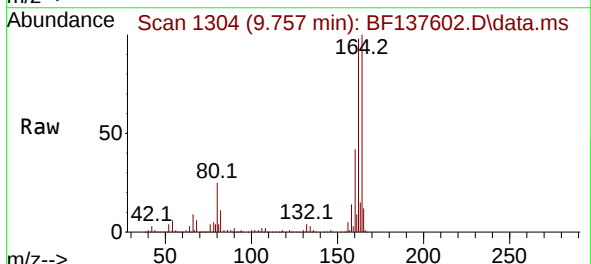
Instrument :
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Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 0.0 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion:164 Resp: 225987
Ion Ratio Lower Upper
164 100
162 97.8 79.8 119.8
160 42.2 34.4 51.6

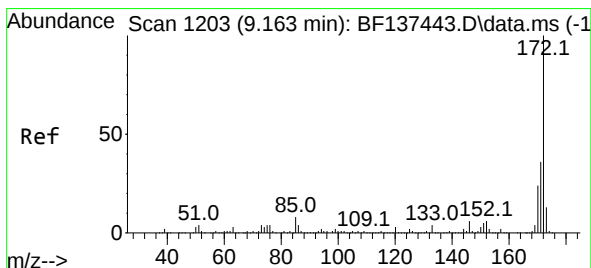
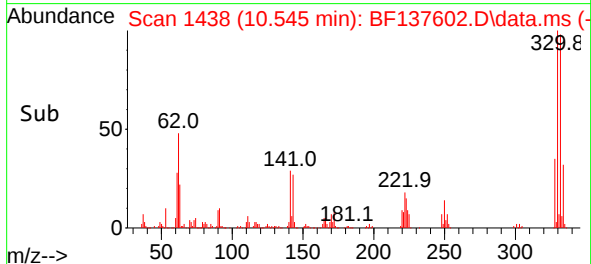
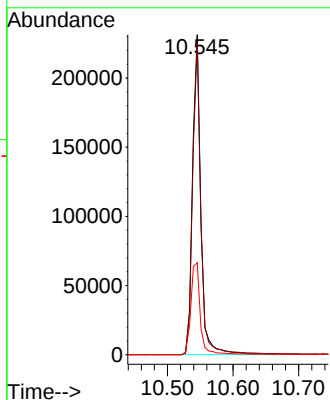
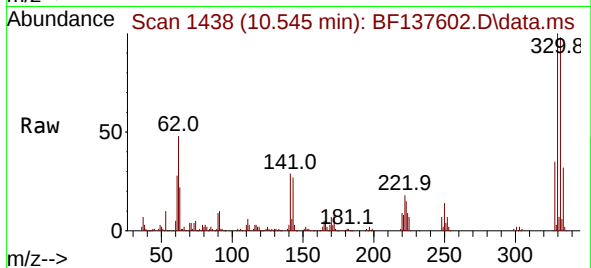




#42
2,4,6-Tribromophenol
Concen: 103.651 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

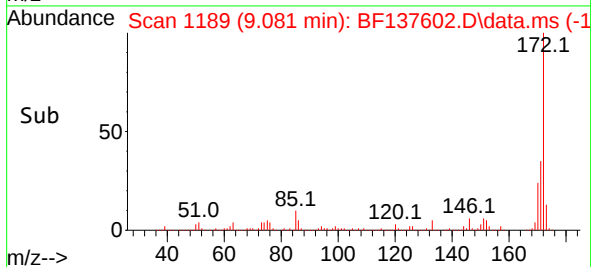
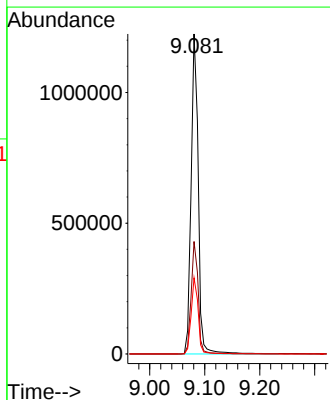
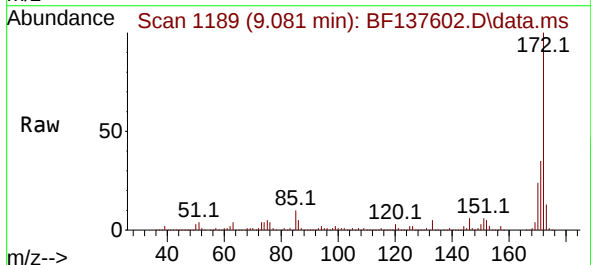
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SB-03-2.0-3.0

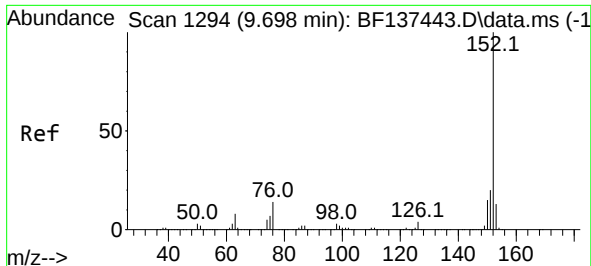
Tgt Ion:330 Resp: 205701
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 32.6 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 75.790 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion:172 Resp: 1094161
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.8 19.0 28.6





#49

Acenaphthylene

Concen: 2.111 ng

RT: 9.622 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

Instrument :

BNA_F

ClientSampleId :

SB-03-2.0-3.0

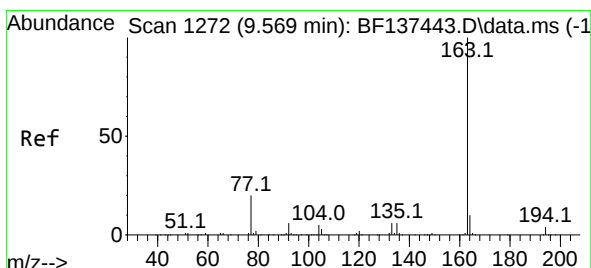
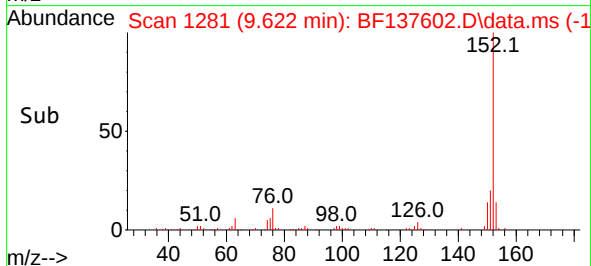
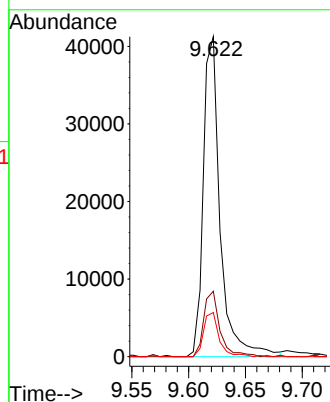
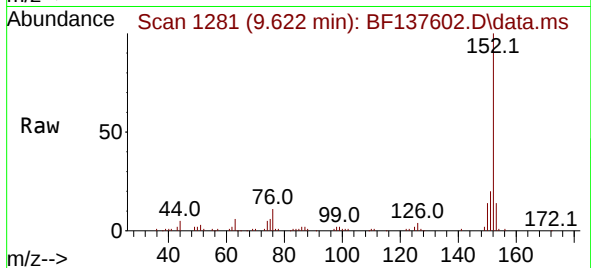
Tgt Ion:152 Resp: 42596

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.8 10.8 16.2



#50

Dimethylphthalate

Concen: 2.215 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.265 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

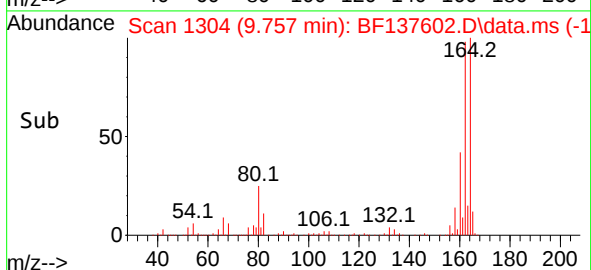
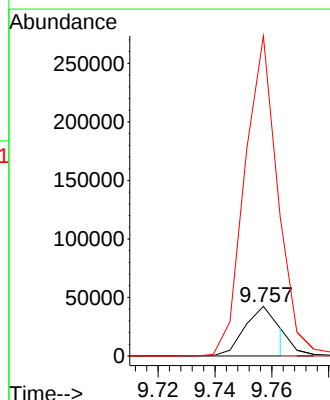
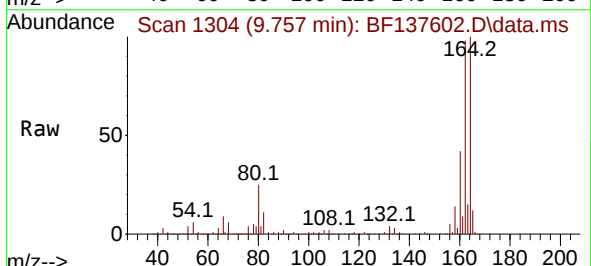
Tgt Ion:163 Resp: 34848

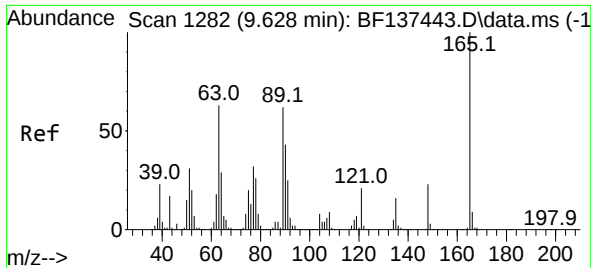
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 645.6 8.1 12.1#

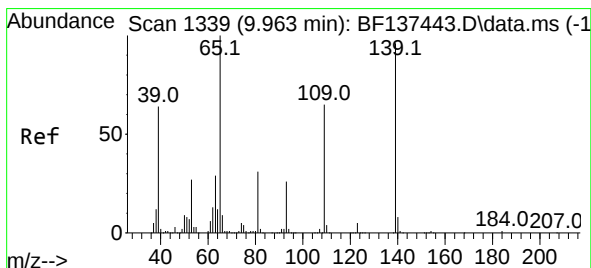
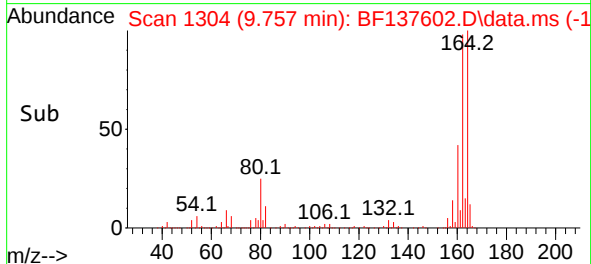
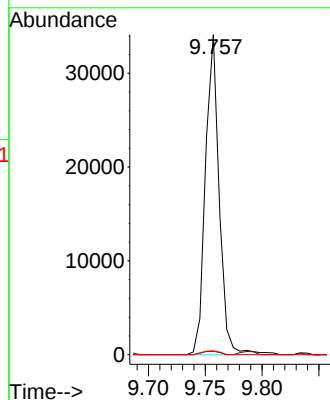
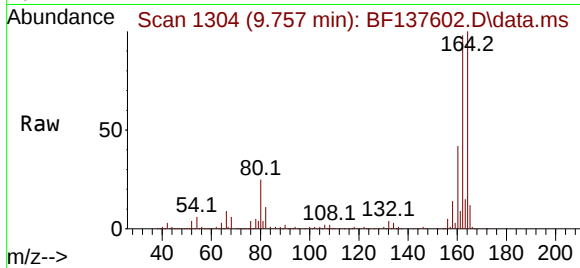




#51
2,6-Dinitrotoluene
Concen: 8.723 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

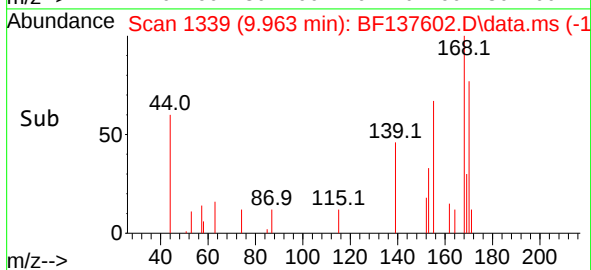
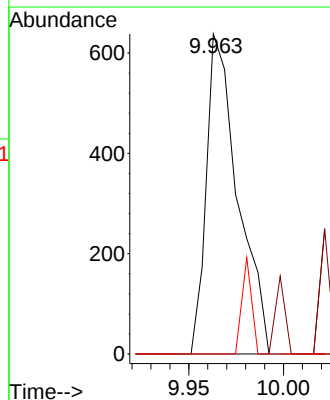
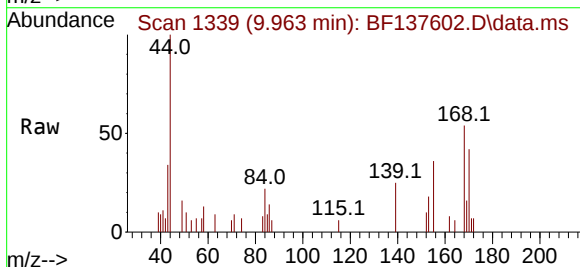
Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0

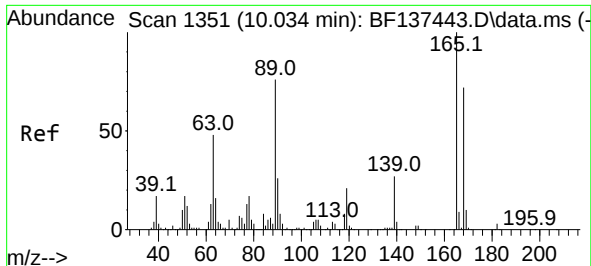
Tgt Ion:165 Resp: 28701
Ion Ratio Lower Upper
165 100
63 1.0 50.7 76.1#
89 1.2 50.0 75.0#



#56
4-Nitrophenol
Concen: 4.808 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.076 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion:139 Resp: 738
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#

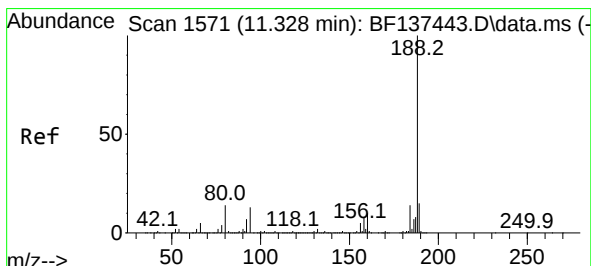
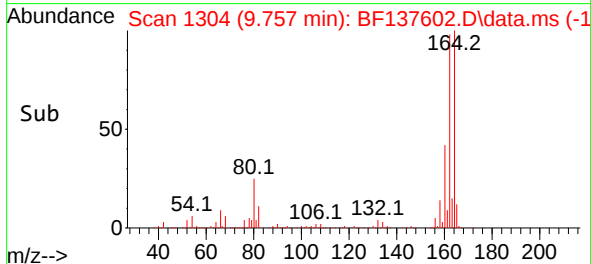
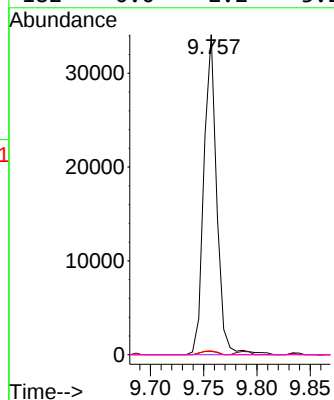
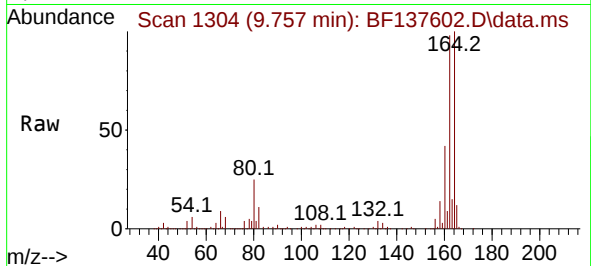




#57
2,4-Dinitrotoluene
Concen: 7.100 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

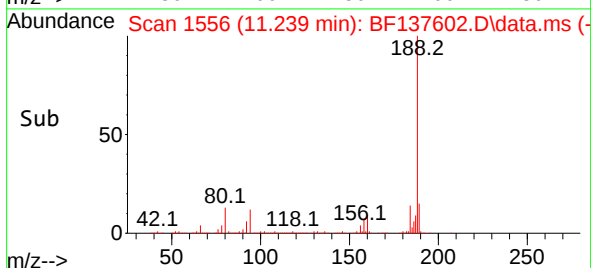
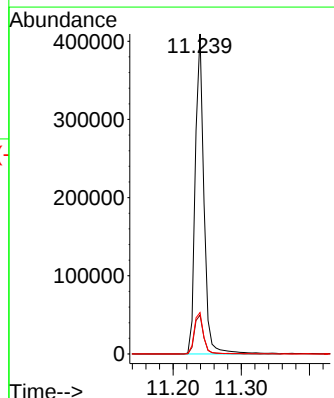
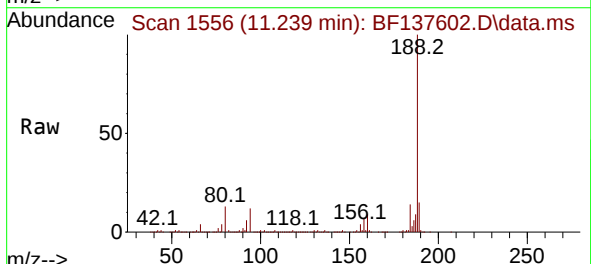
Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0

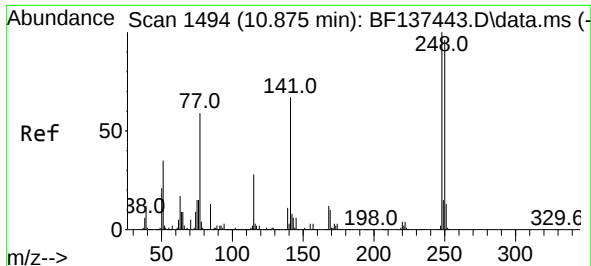
Tgt Ion:165 Resp: 28702
Ion Ratio Lower Upper
165 100
63 1.0 39.0 58.6#
89 1.2 60.9 91.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion:188 Resp: 362492
Ion Ratio Lower Upper
188 100
94 12.2 10.6 15.8
80 13.0 11.5 17.3

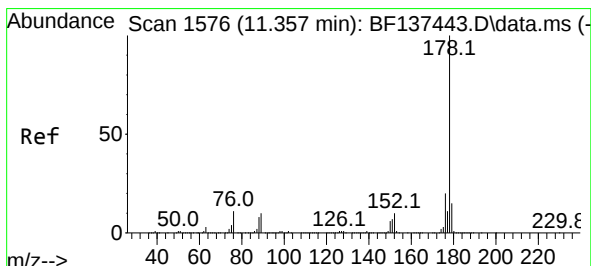
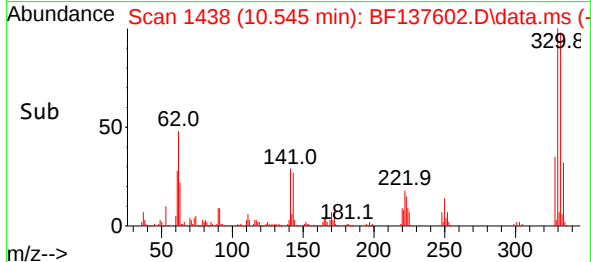
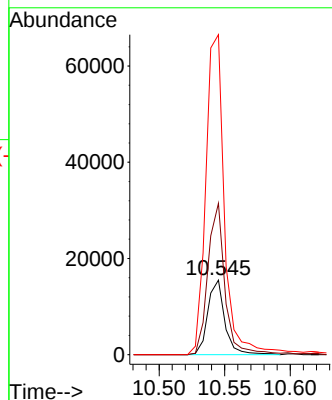
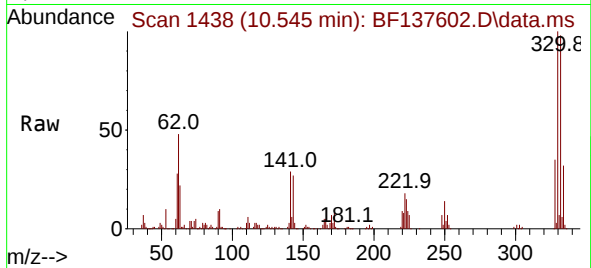




#67
4-Bromophenyl-phenylether
Concen: 3.566 ng
RT: 10.545 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

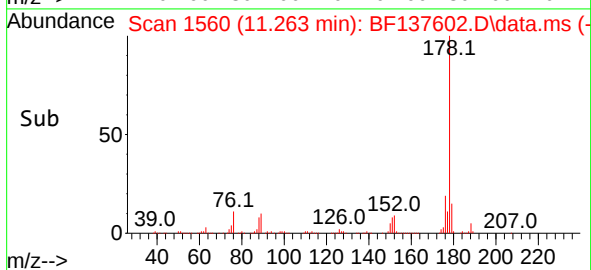
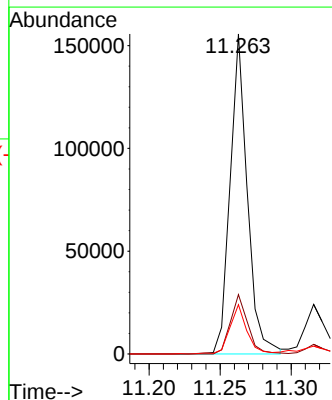
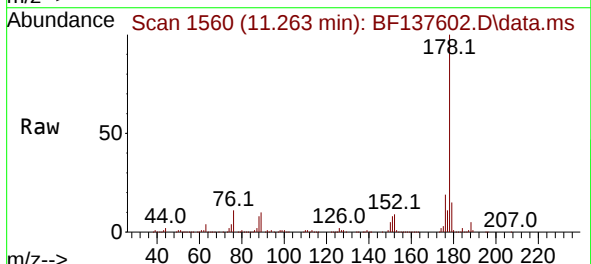
Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0

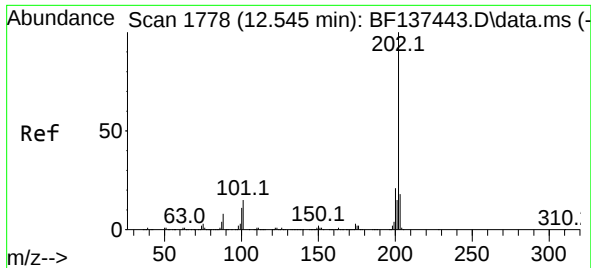
Tgt Ion:248 Resp: 14078
Ion Ratio Lower Upper
248 100
250 203.2 76.8 115.2#
141 429.4 53.4 80.0#



#71
Phenanthrene
Concen: 6.636 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion:178 Resp: 130921
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.4 12.2 18.2

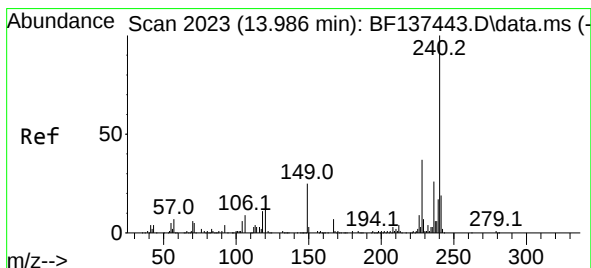
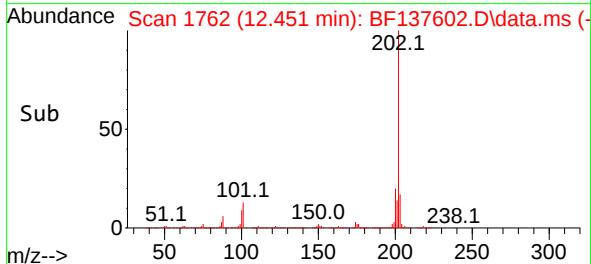
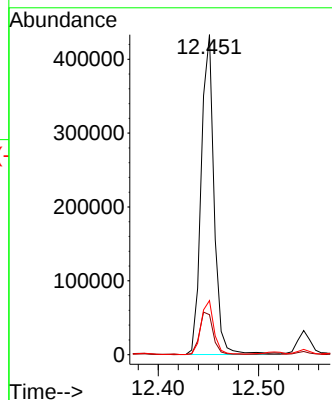
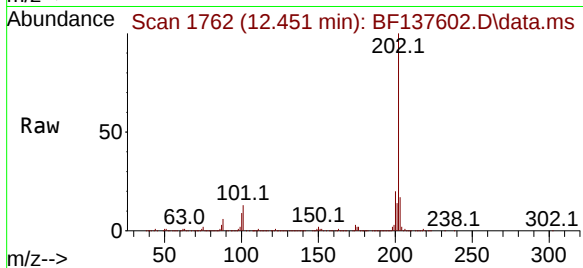




#75
Fluoranthene
Concen: 20.148 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

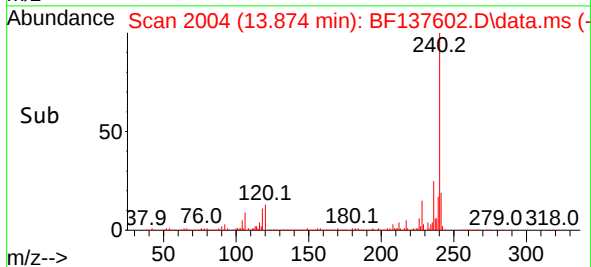
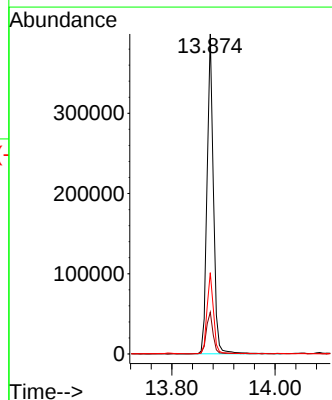
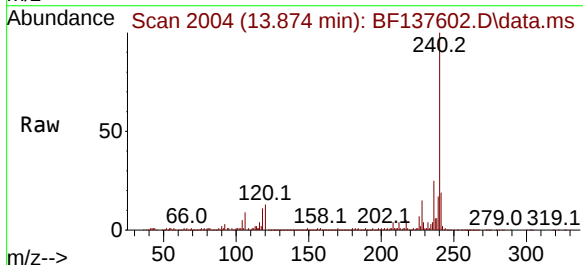
Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0

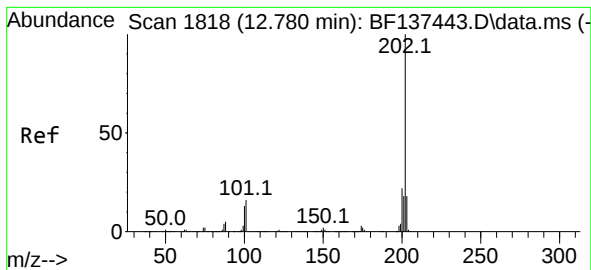
Tgt Ion:202 Resp: 388510
Ion Ratio Lower Upper
202 100
101 12.5 0.0 35.0
203 16.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion:240 Resp: 340276
Ion Ratio Lower Upper
240 100
120 13.1 10.4 15.6
236 25.4 20.9 31.3





#78

Pyrene

Concen: 10.757 ng

RT: 12.675 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

Instrument :

BNA_F

ClientSampleId :

SB-03-2.0-3.0

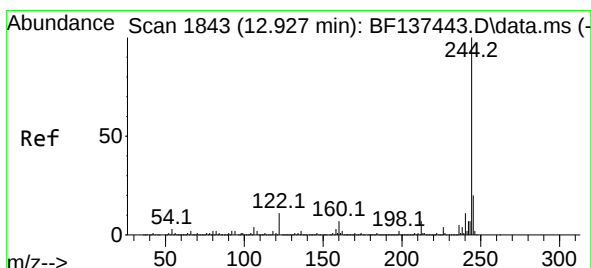
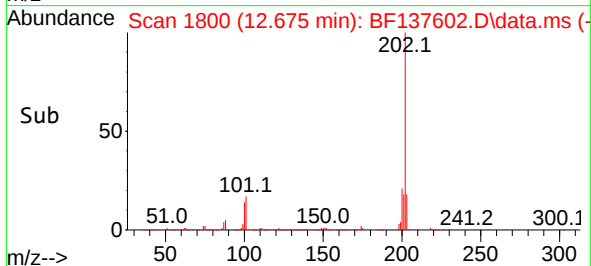
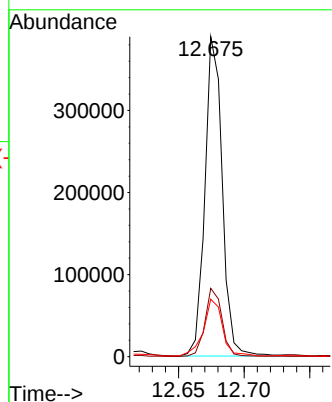
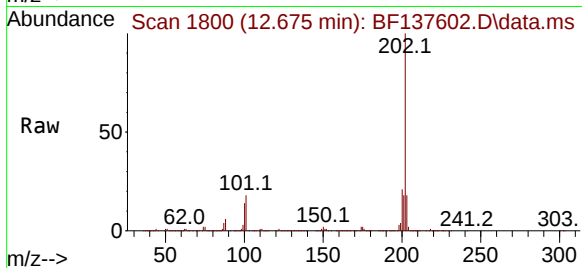
Tgt Ion:202 Resp: 359161

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 45.795 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

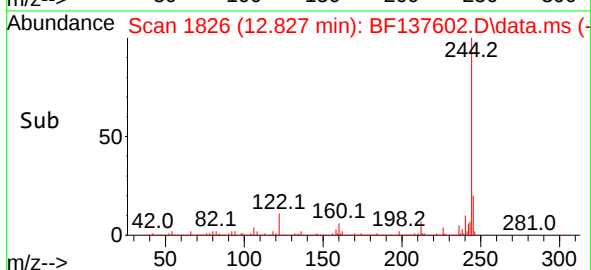
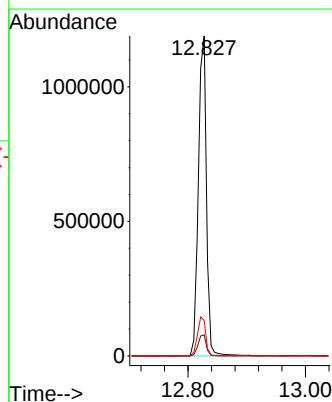
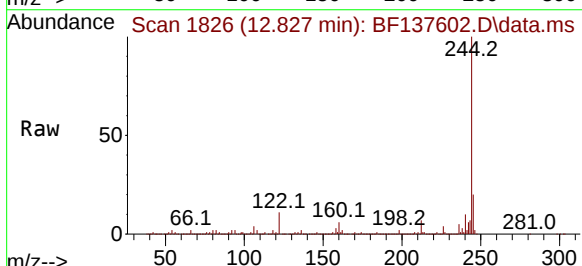
Tgt Ion:244 Resp: 1133223

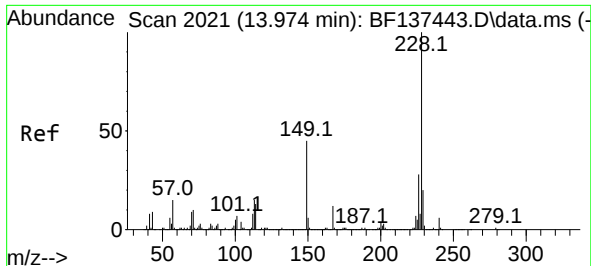
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 11.1 9.1 13.7

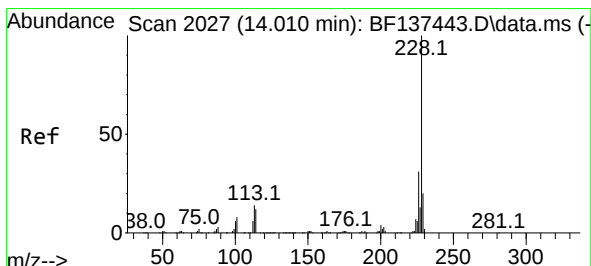
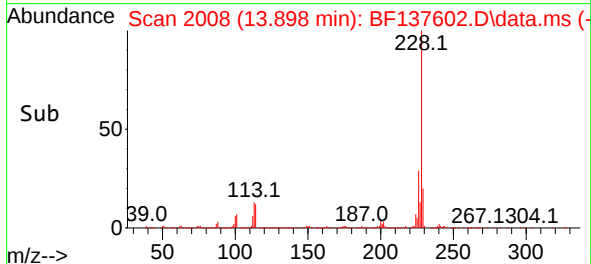
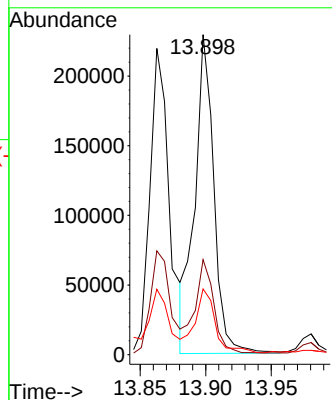
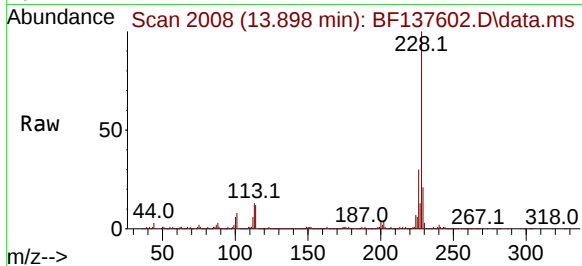




#81
Benzo(a)anthracene
Concen: 9.721 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.029 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

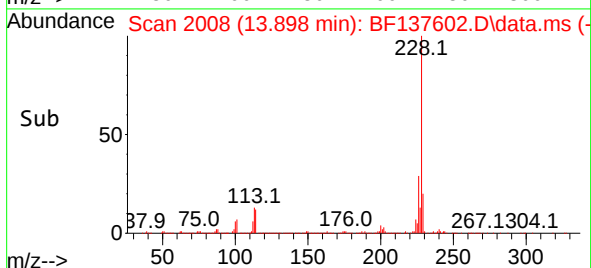
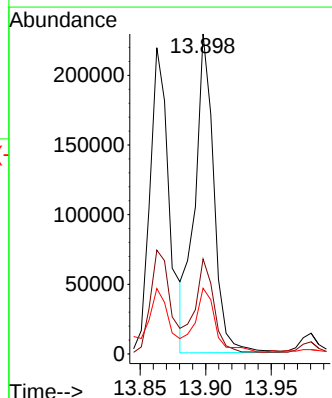
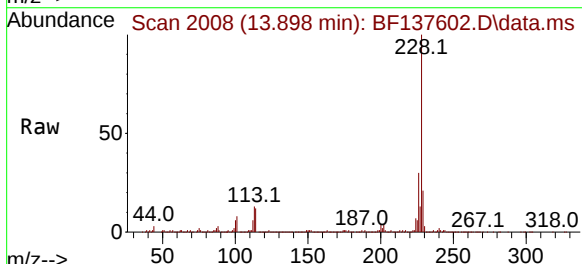
Instrument :
BNA_F
ClientSampleId :
SB-03-2.0-3.0

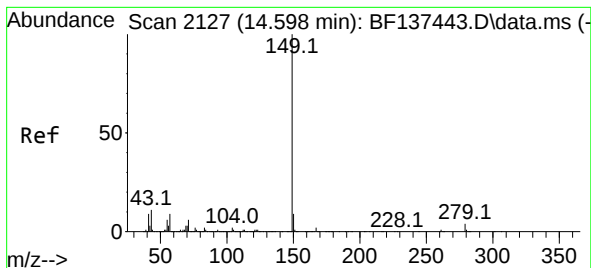
Tgt Ion:228 Resp: 231837
Ion Ratio Lower Upper
228 100
226 29.7 22.3 33.5
229 20.6 16.3 24.5



#83
Chrysene
Concen: 9.618 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137602.D
Acq: 14 Mar 2024 20:56

Tgt Ion:228 Resp: 231837
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 20.6 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.686 ng

RT: 14.474 min Scan# 2127

Delta R.T. 0.000 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

Instrument :

BNA_F

ClientSampleId :

SB-03-2.0-3.0

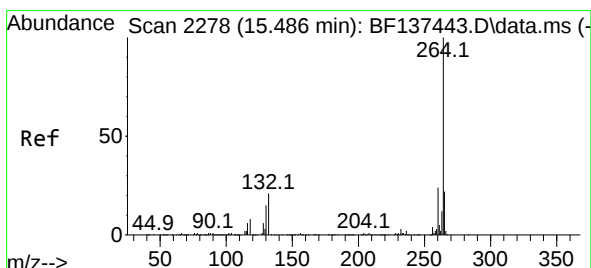
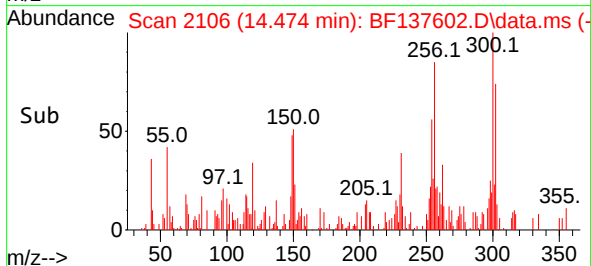
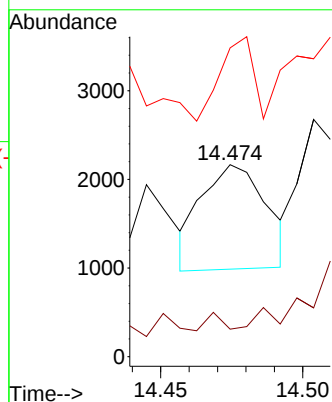
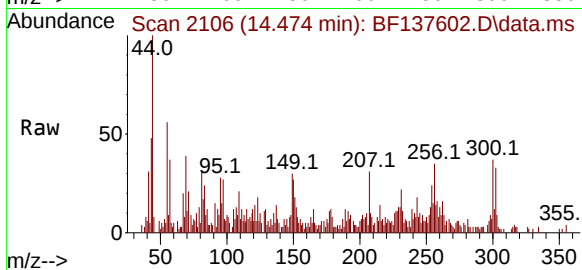
Tgt Ion:149 Resp: 1870

Ion Ratio Lower Upper

149 100

167 5.2 1.2 1.8#

43 40.7 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. -0.000 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

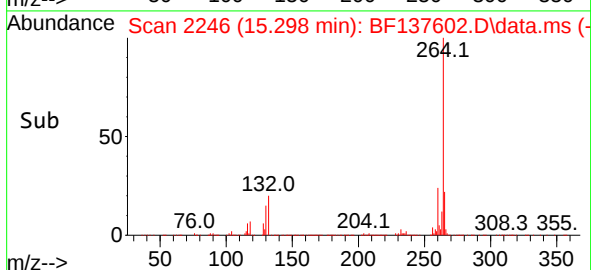
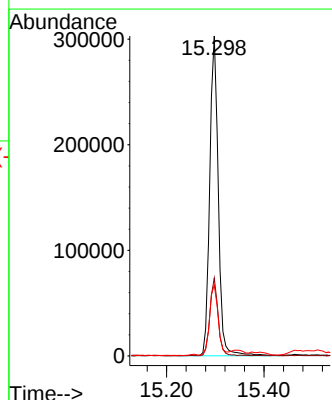
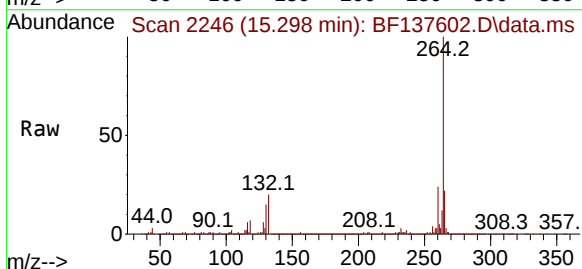
Tgt Ion:264 Resp: 368031

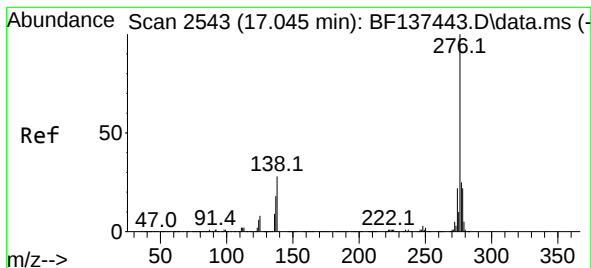
Ion Ratio Lower Upper

264 100

260 24.4 19.3 28.9

265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.206 ng

RT: 16.680 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

Instrument :

BNA_F

ClientSampleId :

SB-03-2.0-3.0

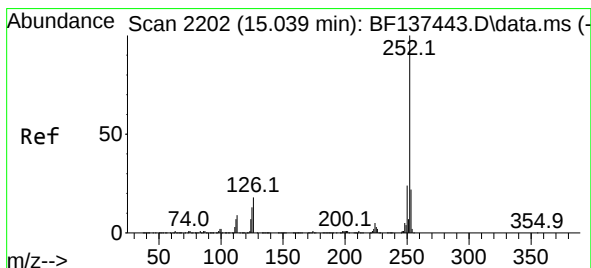
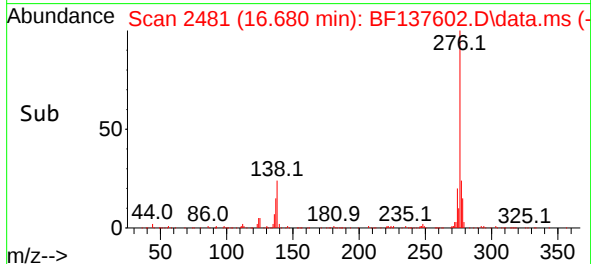
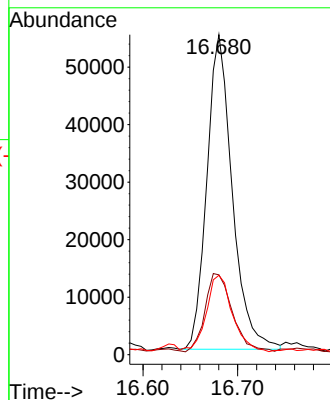
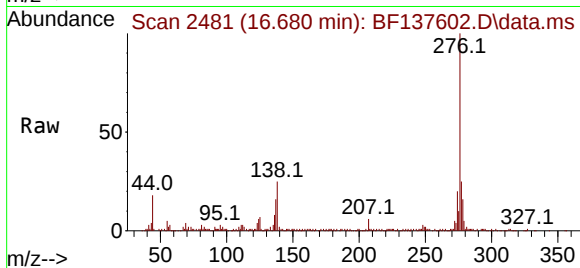
Tgt Ion:276 Resp: 101868

Ion Ratio Lower Upper

276 100

138 26.6 25.8 38.8

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 19.703 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

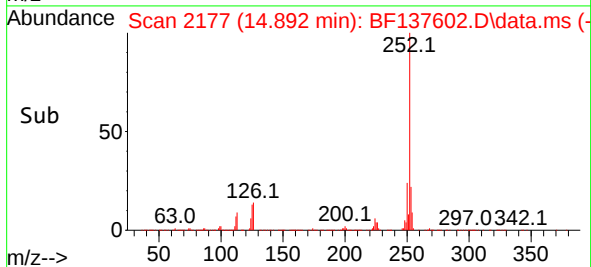
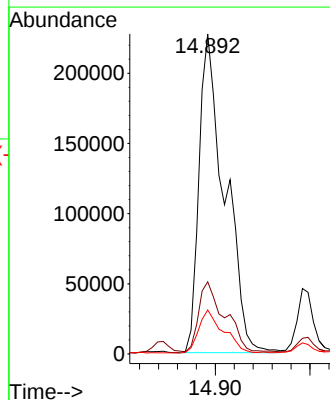
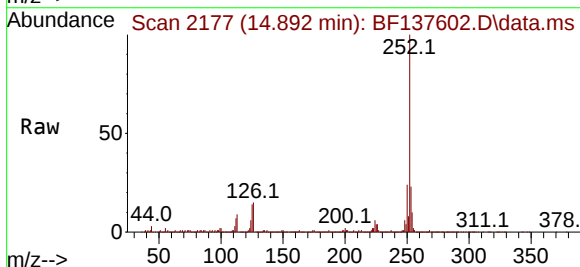
Tgt Ion:252 Resp: 428934

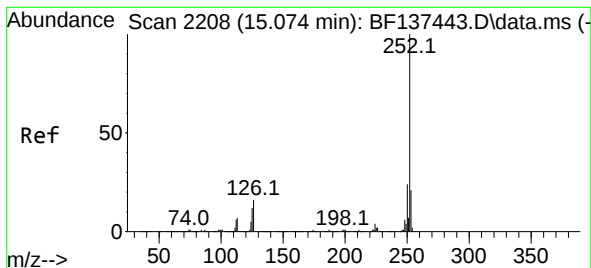
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 13.8 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 18.343 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

Instrument :

BNA_F

ClientSampleId :

SB-03-2.0-3.0

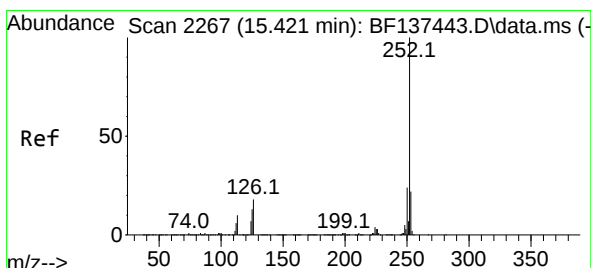
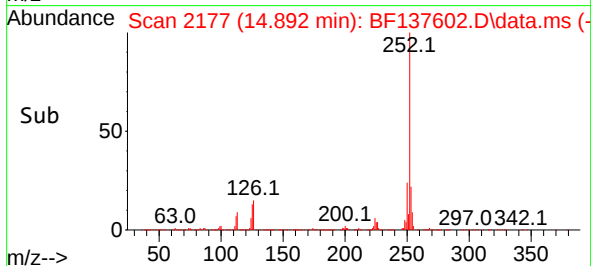
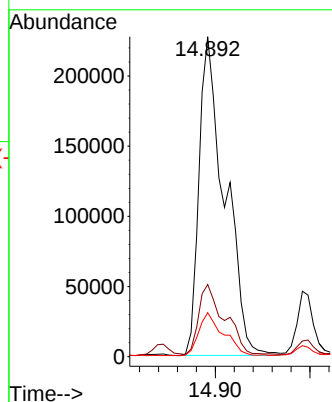
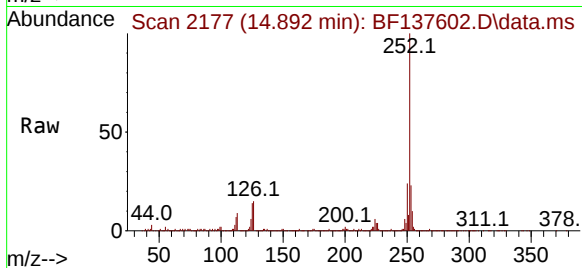
Tgt Ion:252 Resp: 428934

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 13.8 9.6 14.4



#90

Benzo(a)pyrene

Concen: 9.582 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.000 min

Lab File: BF137602.D

Acq: 14 Mar 2024 20:56

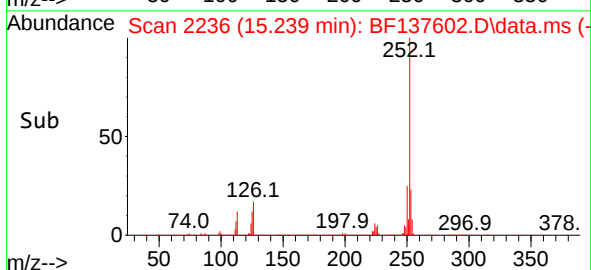
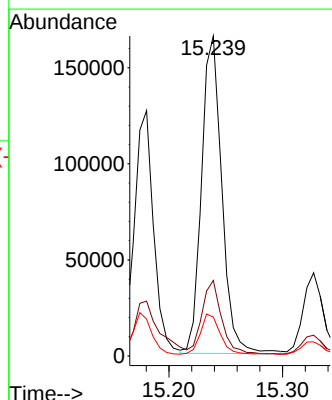
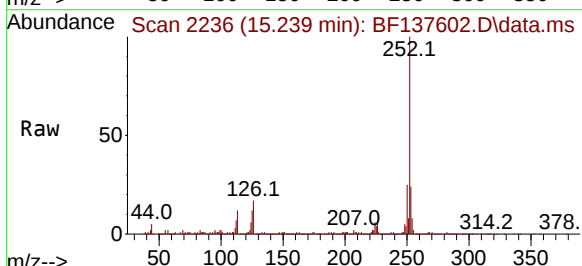
Tgt Ion:252 Resp: 205577

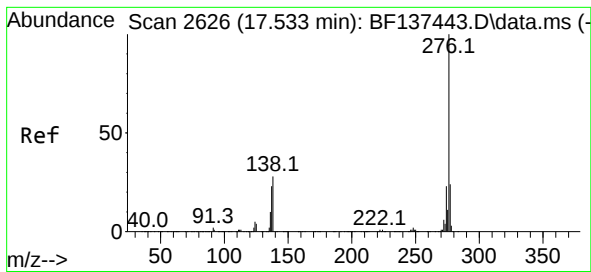
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 12.1 10.4 15.6





#92

Benzo(g,h,i)perylene

Concen: 4.562 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137602.D

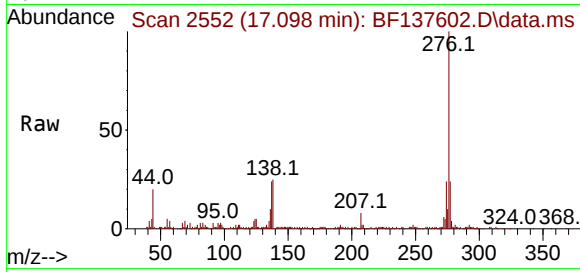
Acq: 14 Mar 2024 20:56

Instrument :

BNA_F

ClientSampleId :

SB-03-2.0-3.0



Tgt Ion:276 Resp: 92049

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.9 22.2 33.2

