

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137600.D
 Acq On : 14 Mar 2024 19:58
 Operator : CG\JU
 Sample : P1746-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Quant Time: Mar 15 02:02:26 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

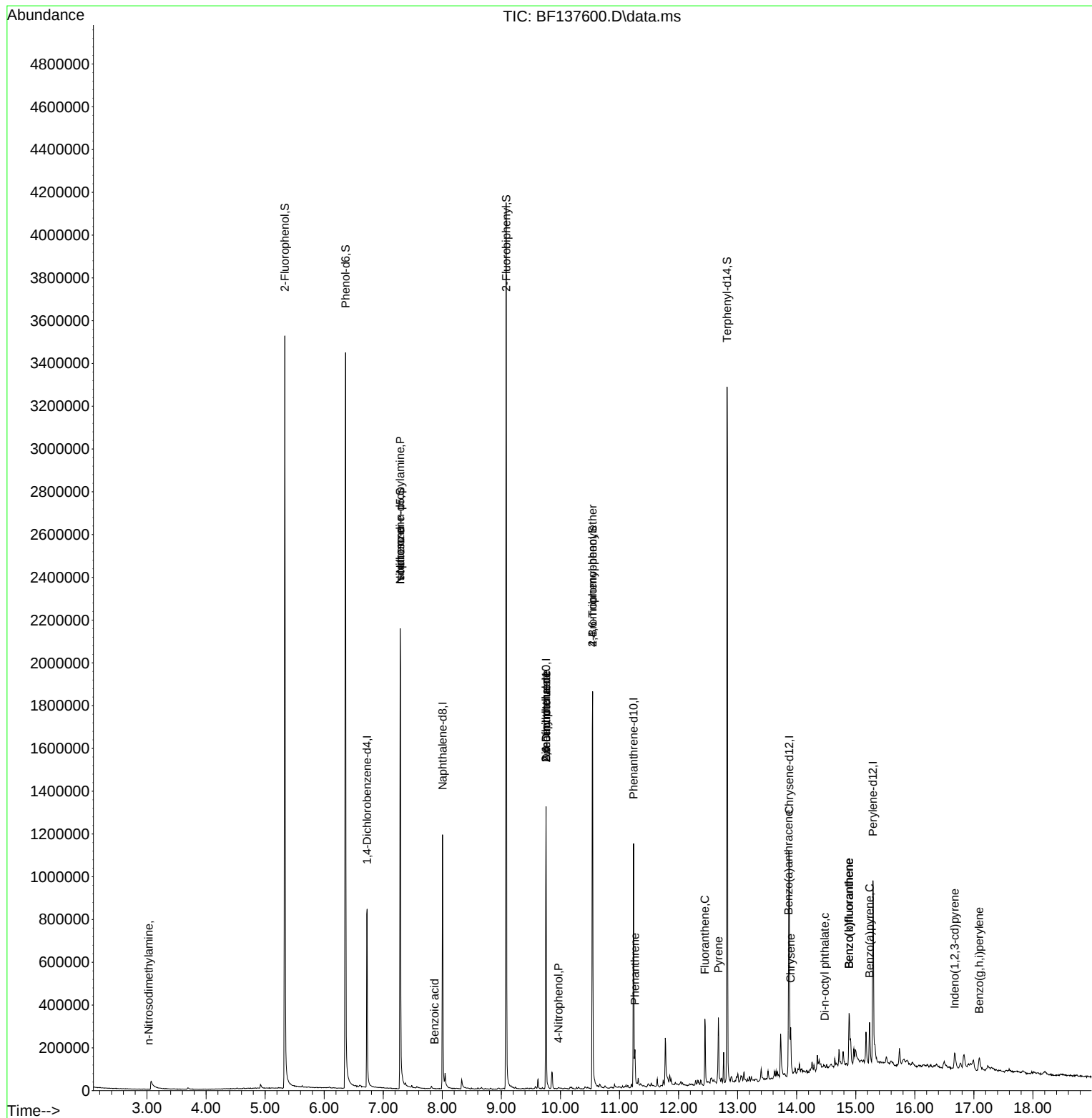
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	137227	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	506375	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	258931	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	390684	20.000	ng	0.00
76) Chrysene-d12	13.874	240	343222	20.000	ng	0.00
86) Perylene-d12	15.292	264	385990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	997746	110.119	ng	0.00
7) Phenol-d6	6.363	99	1311908	100.308	ng	0.00
23) Nitrobenzene-d5	7.287	82	787347	72.246	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	222421	97.816	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1258156	76.062	ng	0.00
79) Terphenyl-d14	12.822	244	1156204	46.323	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.028	42	145	3.836	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	99505	12.321	ng	# 79
25) Isophorone	7.287	82	787342	38.027	ng	# 69
32) Benzoic acid	7.869	122	53	6.308	ng	# 27
50) Dimethylphthalate	9.757	163	39818	2.209	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	33078	8.774	ng	# 20
56) 4-Nitrophenol	9.969	139	922	4.833	ng	# 5
57) 2,4-Dinitrotoluene	9.757	165	33079	7.142	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	14874	3.495	ng	# 1
71) Phenanthrene	11.263	178	60489	2.845	ng	98
75) Fluoranthene	12.445	202	127382	6.129	ng	98
78) Pyrene	12.674	202	123733	3.674	ng	98
81) Benzo(a)anthracene	13.863	228	90897	3.779	ng	94
83) Chrysene	13.898	228	79352	3.264	ng	98
85) Di-n-octyl phthalate	14.474	149	1445	5.667	ng	# 72
87) Indeno(1,2,3-cd)pyrene	16.674	276	52302	2.059	ng	# 91
88) Benzo(b)fluoranthene	14.886	252	176945	7.750	ng	98
89) Benzo(k)fluoranthene	14.886	252	176945	7.215	ng	99
90) Benzo(a)pyrene	15.233	252	89326	3.970	ng	99
92) Benzo(g,h,i)perylene	17.092	276	45818	2.165	ng	96

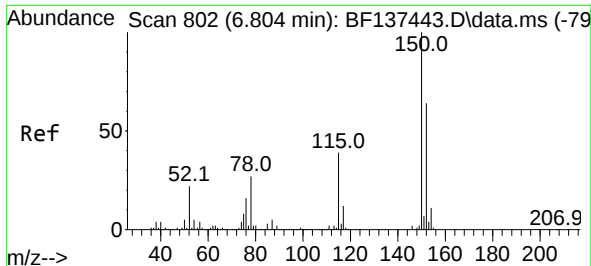
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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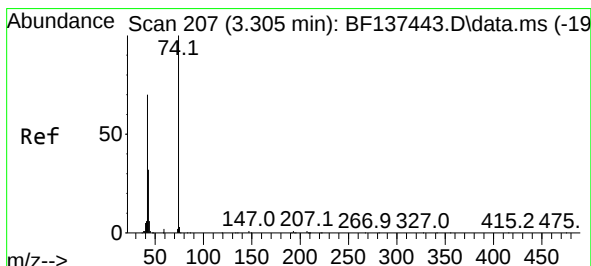
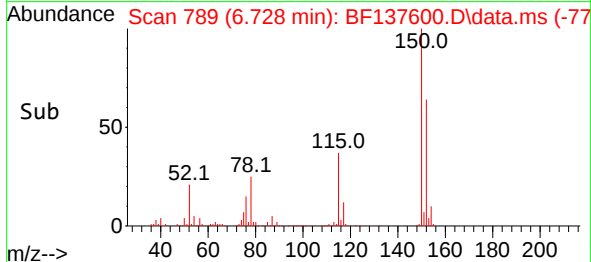
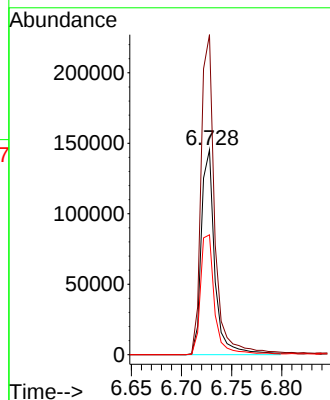
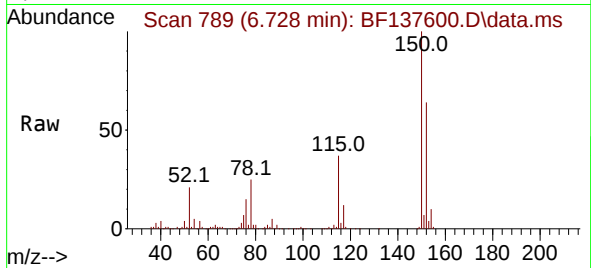




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

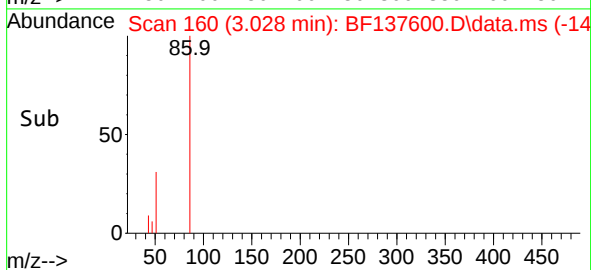
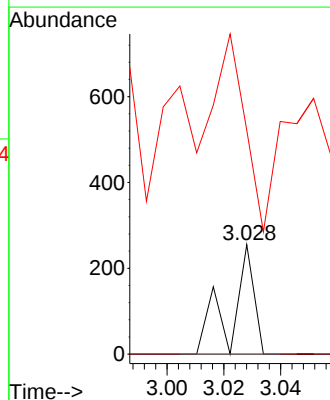
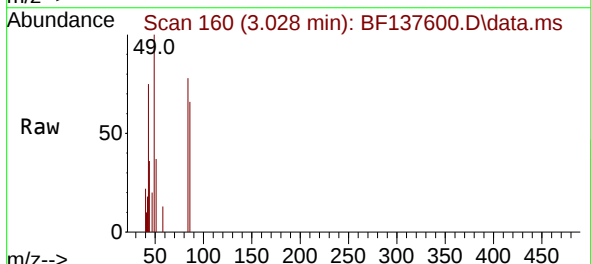
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

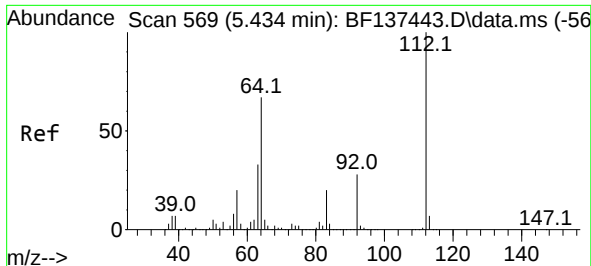
Tgt Ion:152 Resp: 137227
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 58.5 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.836 ng
RT: 3.028 min Scan# 160
Delta R.T. -0.012 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion: 42 Resp: 145
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 204.7 7.0 10.4#

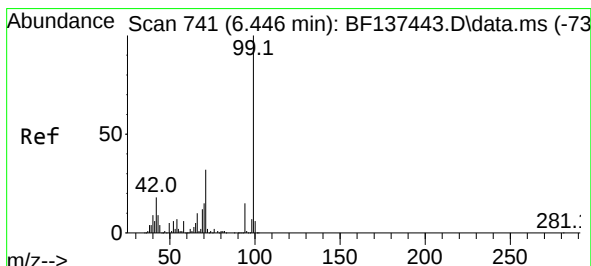
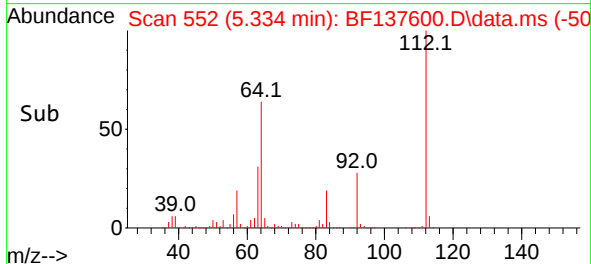
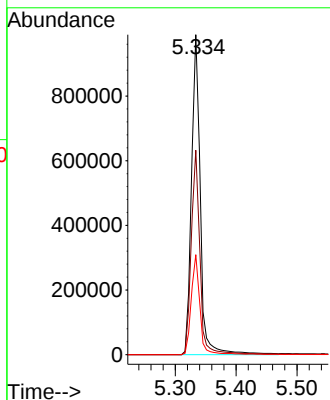
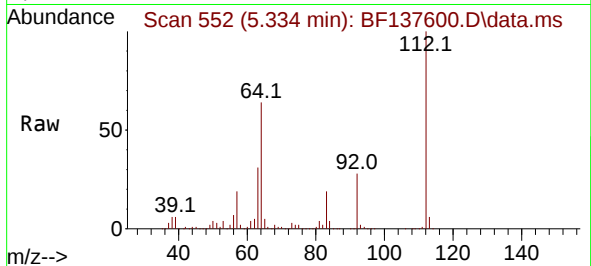




#5
2-Fluorophenol
Concen: 110.119 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

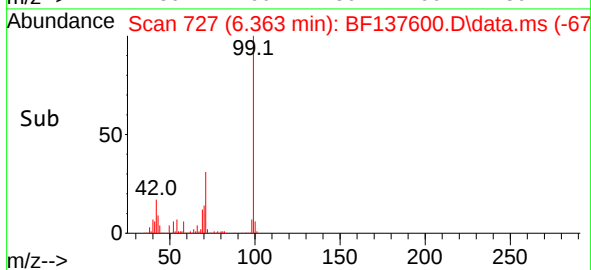
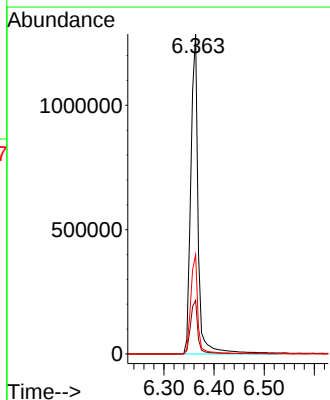
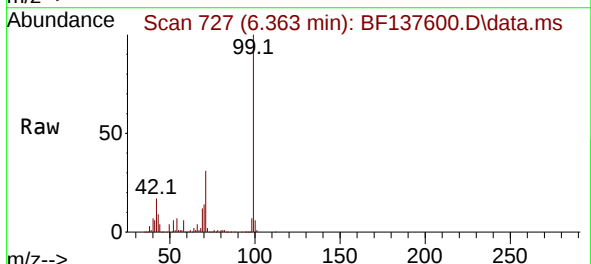
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

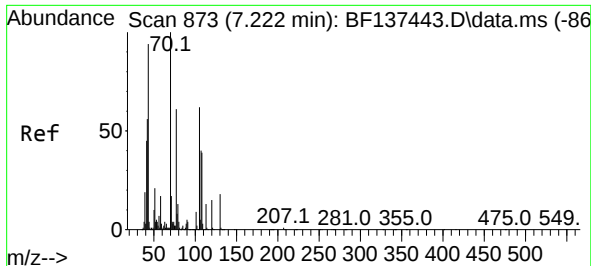
Tgt Ion:112 Resp: 997746
Ion Ratio Lower Upper
112 100
64 63.9 53.4 80.2
63 31.2 26.2 39.2



#7
Phenol-d6
Concen: 100.308 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion: 99 Resp: 1311908
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 31.1 25.3 37.9

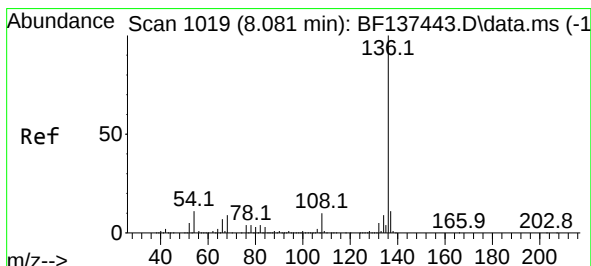
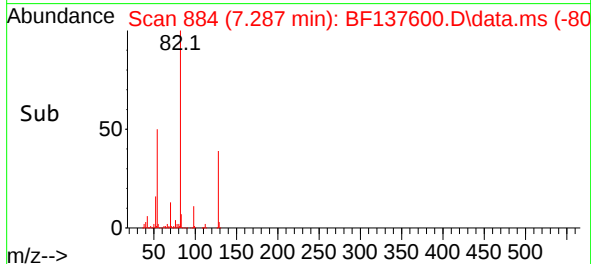
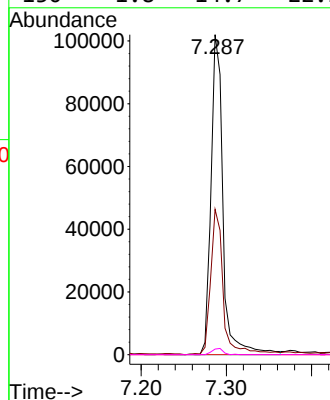
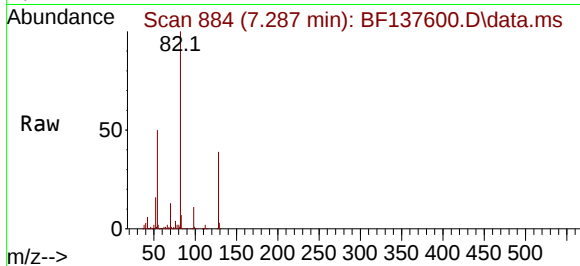




#19
n-Nitroso-di-n-propylamine
Concen: 12.321 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

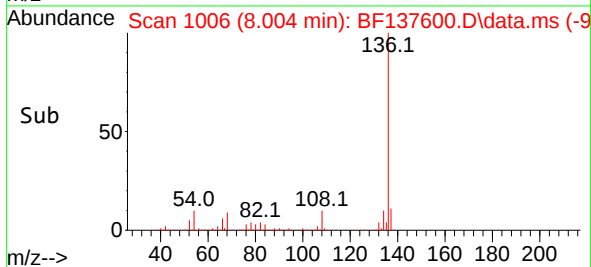
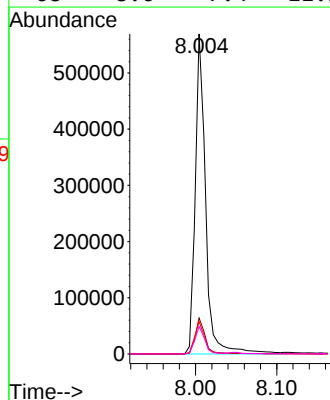
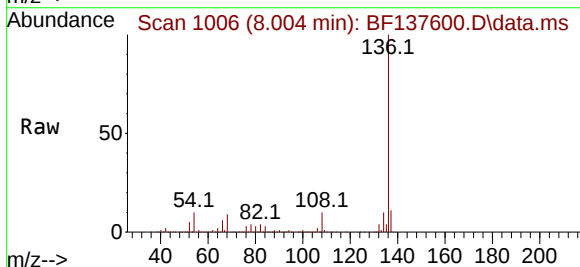
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

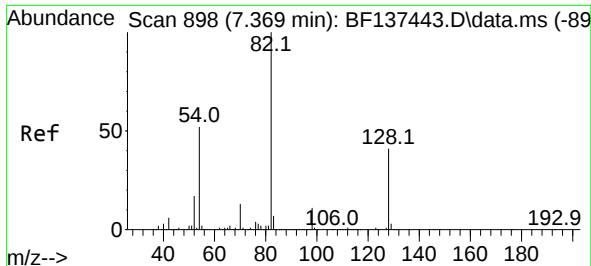
Tgt Ion: 70	Resp: 99505
Ion Ratio	Lower Upper
70	100
42	45.4 45.2 67.8
101	0.0 7.3 10.9#
130	1.8 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion: 136	Resp: 506375
Ion Ratio	Lower Upper
136	100
137	11.3 9.1 13.7
54	10.1 8.5 12.7
68	8.6 7.4 11.2





#23

Nitrobenzene-d5

Concen: 72.246 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

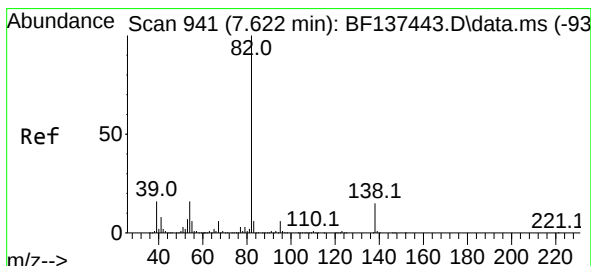
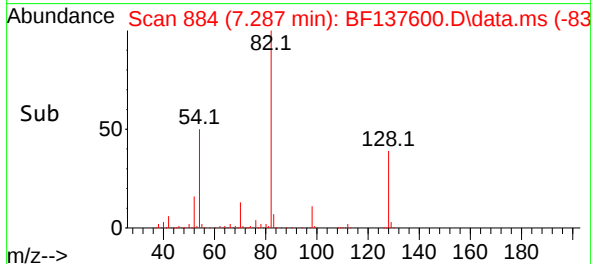
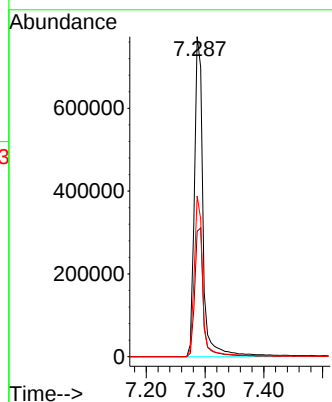
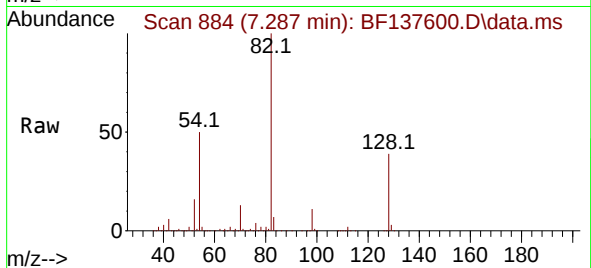
Tgt Ion: 82 Resp: 787347

Ion Ratio Lower Upper

82 100

128 39.1 32.5 48.7

54 50.2 41.5 62.3



#25

Isophorone

Concen: 38.027 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.265 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

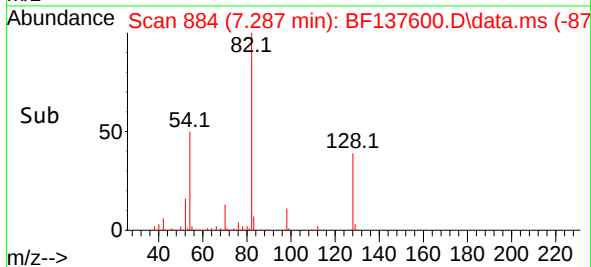
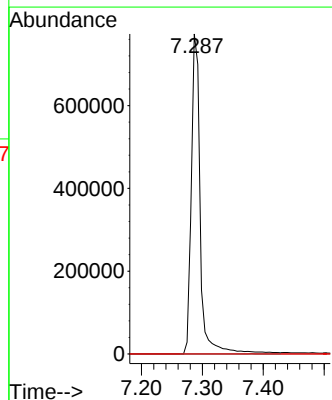
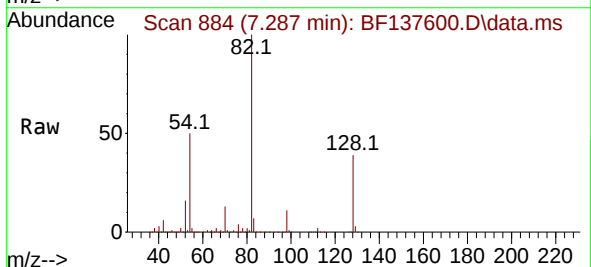
Tgt Ion: 82 Resp: 787342

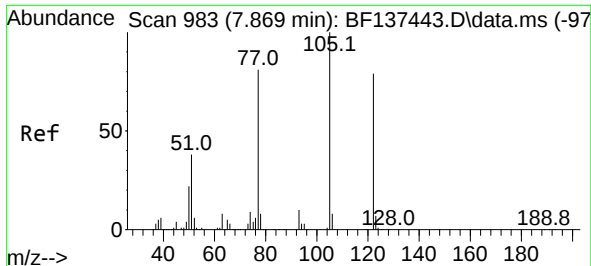
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

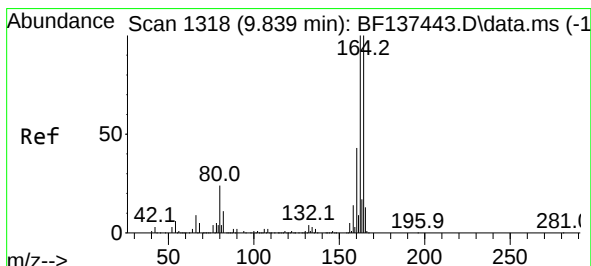
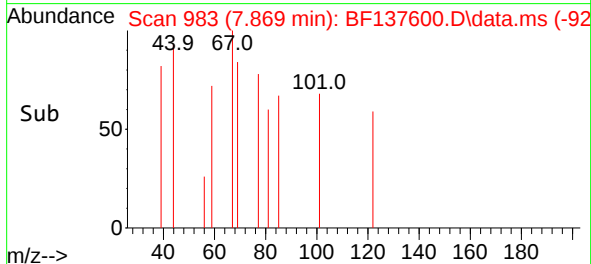
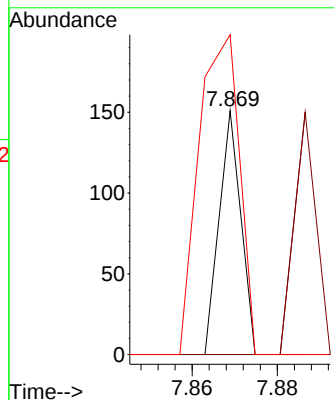
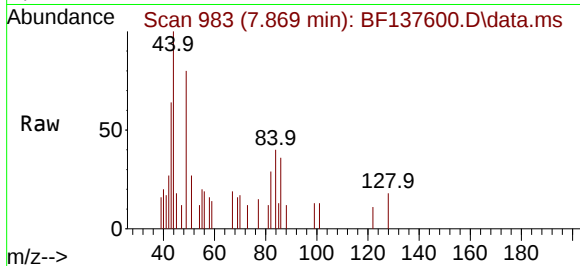




#32
Benzoic acid
Concen: 6.308 ng
RT: 7.869 min Scan# 91
Delta R.T. 0.071 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

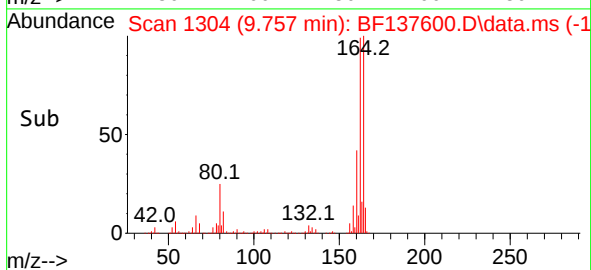
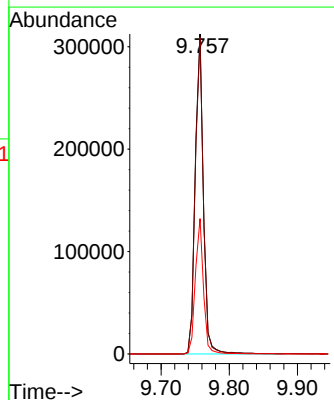
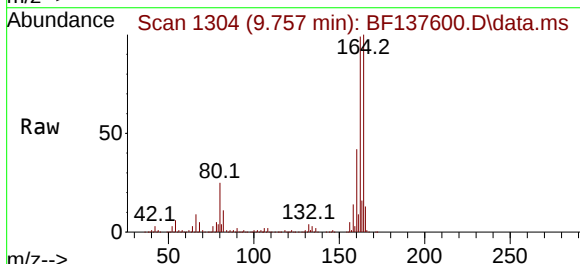
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ClientSampleId :
SB-02-0-2.0

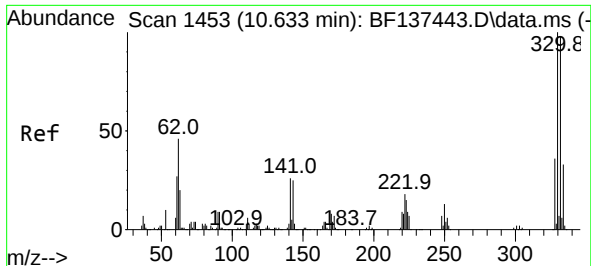
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 131.1 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:164 Resp: 258931
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 42.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 97.816 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

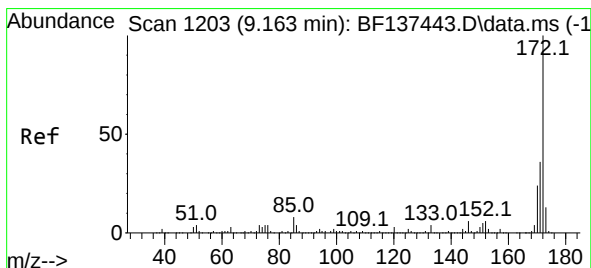
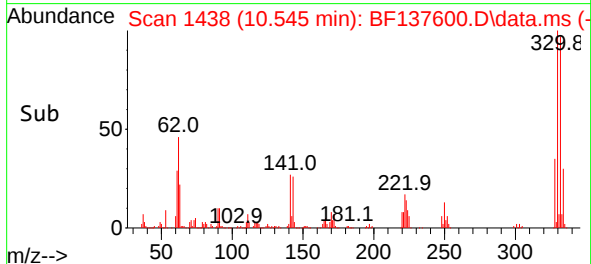
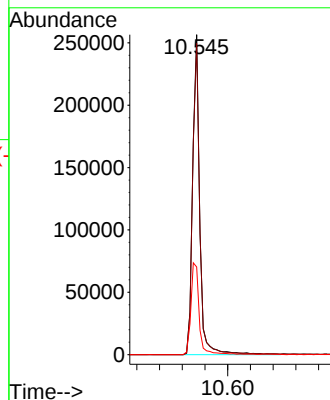
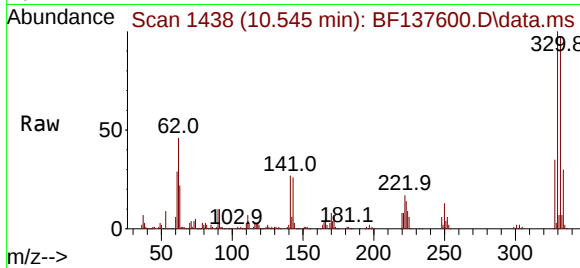
Tgt Ion:330 Resp: 222421

Ion Ratio Lower Upper

330 100

332 97.7 78.0 117.0

141 33.6 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 76.062 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

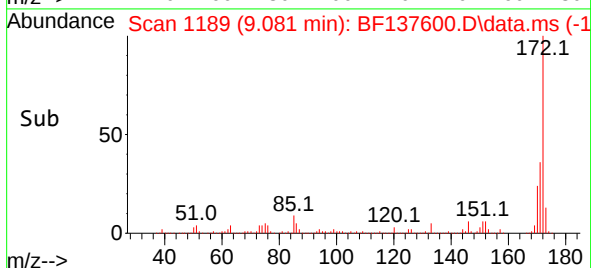
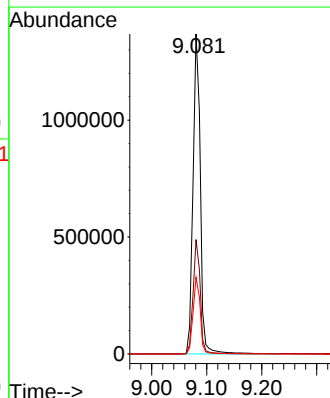
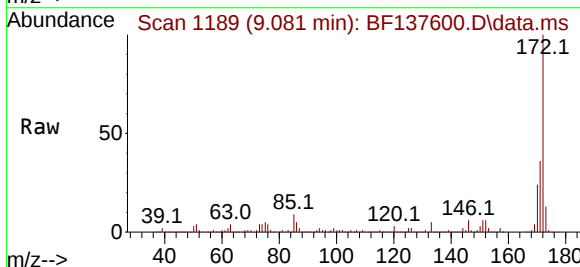
Tgt Ion:172 Resp: 1258156

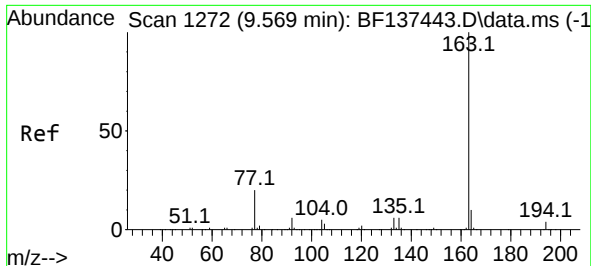
Ion Ratio Lower Upper

172 100

171 35.8 28.5 42.7

170 24.0 19.0 28.6

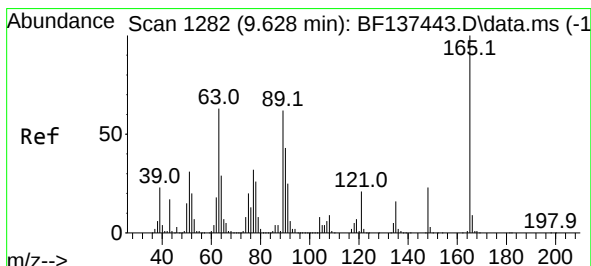
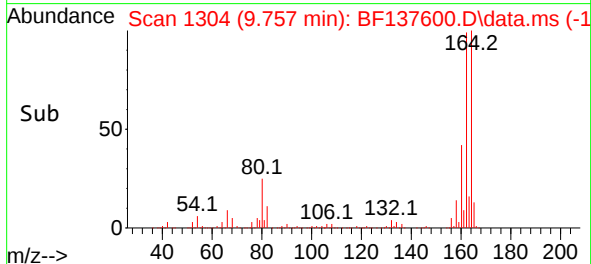
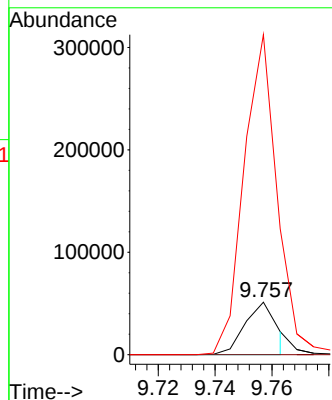
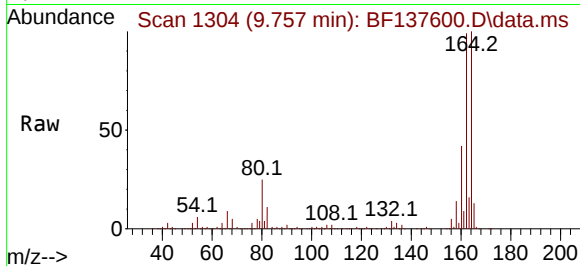




#50
Dimethylphthalate
Concen: 2.209 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

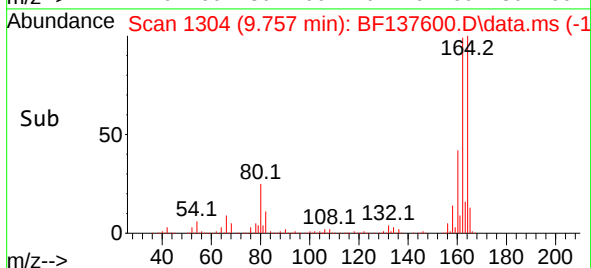
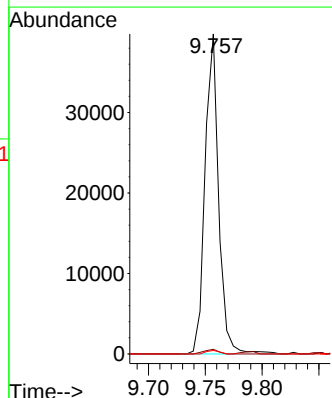
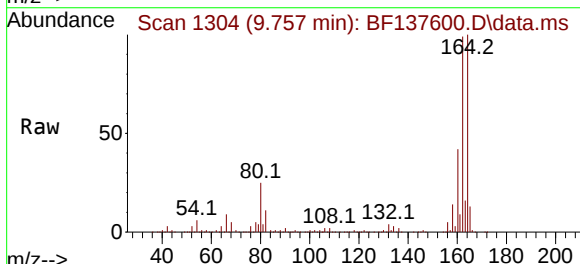
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ClientSampleId :
SB-02-0-2.0

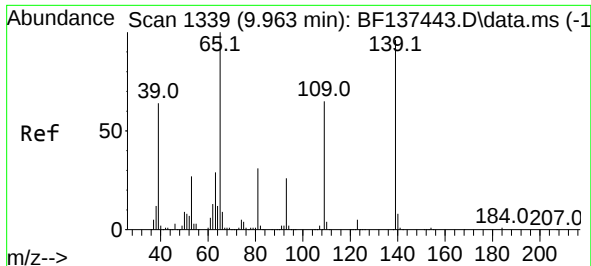
Tgt Ion:163 Resp: 39818
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 609.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.774 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:165 Resp: 33078
Ion Ratio Lower Upper
165 100
63 1.4 50.7 76.1#
89 1.1 50.0 75.0#

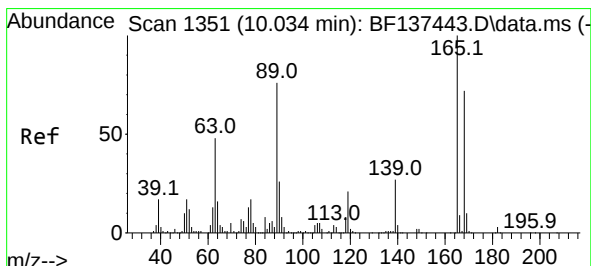
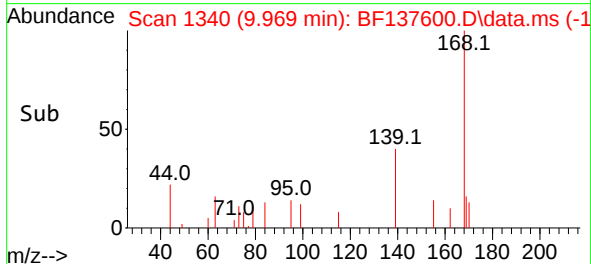
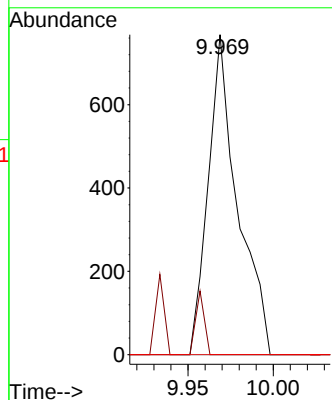
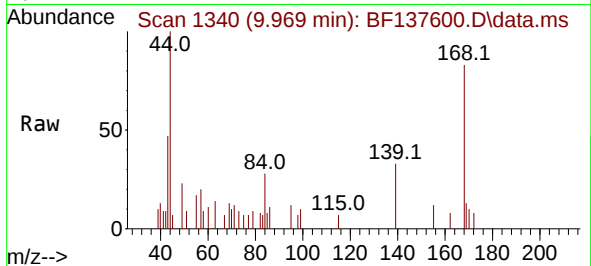




#56
4-Nitrophenol
Concen: 4.833 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

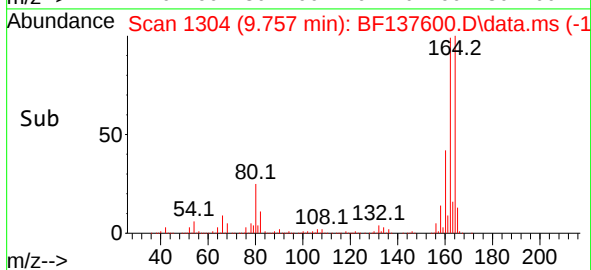
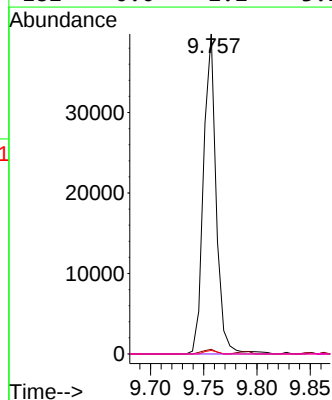
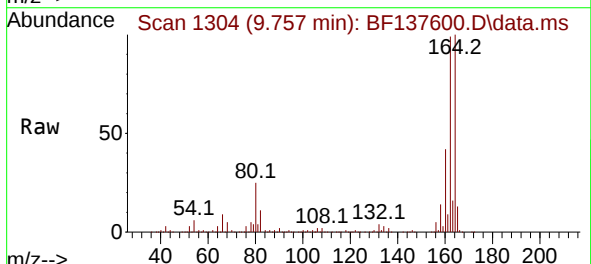
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

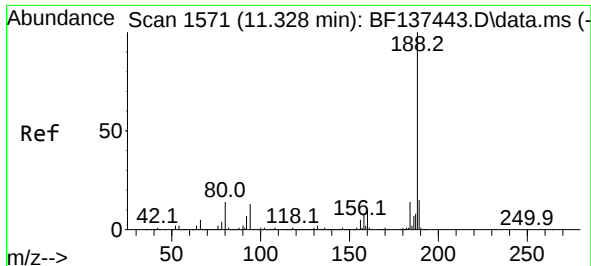
Tgt Ion:139 Resp: 922
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.142 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:165 Resp: 33079
Ion Ratio Lower Upper
165 100
63 1.4 39.0 58.6#
89 1.1 60.9 91.3#
182 0.0 2.2 3.2#

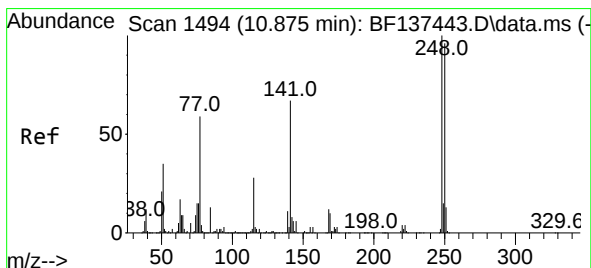
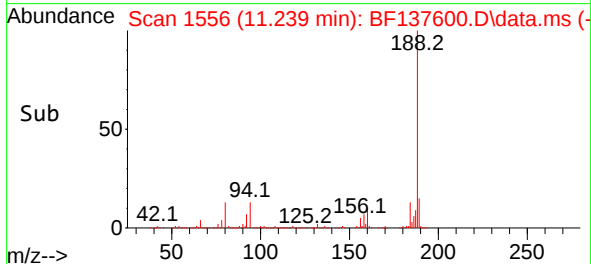
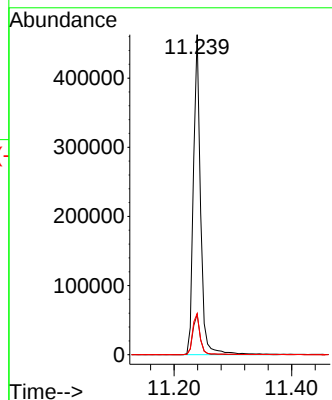
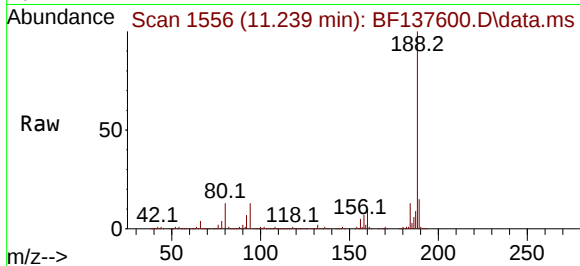




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

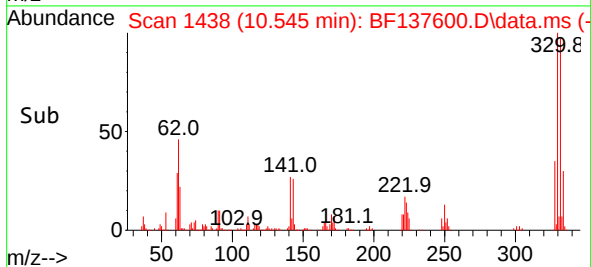
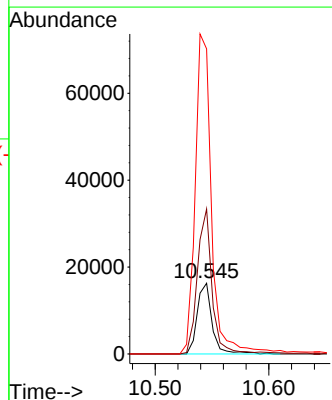
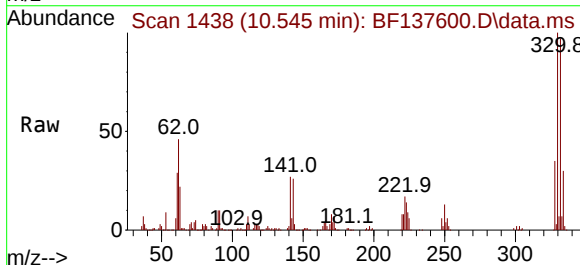
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

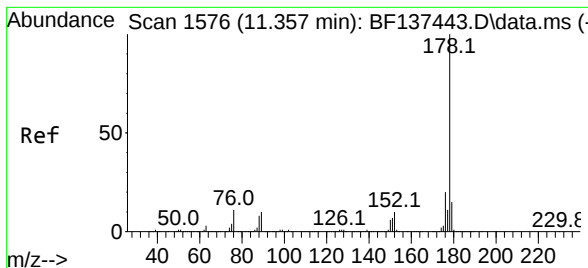
Tgt Ion:188 Resp: 390684
Ion Ratio Lower Upper
188 100
94 12.6 10.6 15.8
80 12.8 11.5 17.3



#67
4-Bromophenyl-phenylether
Concen: 3.495 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.247 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:248 Resp: 14874
Ion Ratio Lower Upper
248 100
250 204.9 76.8 115.2#
141 431.3 53.4 80.0#





#71

Phenanthrene

Concen: 2.845 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

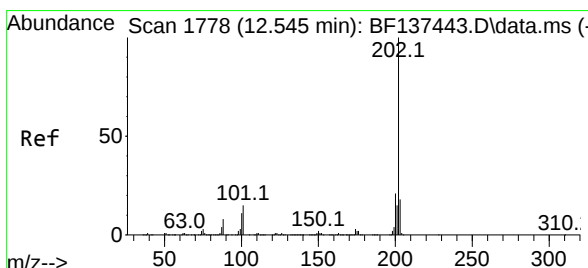
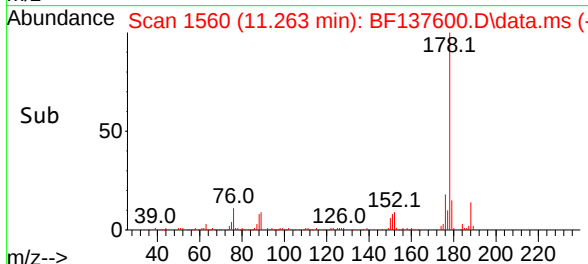
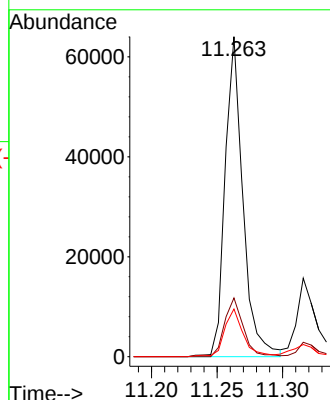
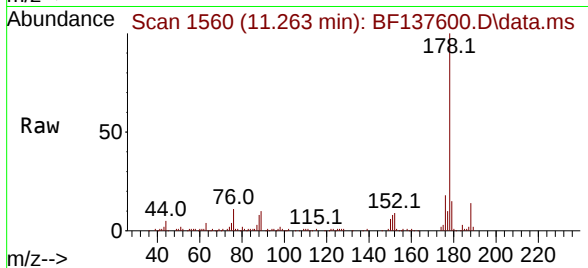
Tgt Ion:178 Resp: 60489

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

179 14.9 12.2 18.2



#75

Fluoranthene

Concen: 6.129 ng

RT: 12.445 min Scan# 1761

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

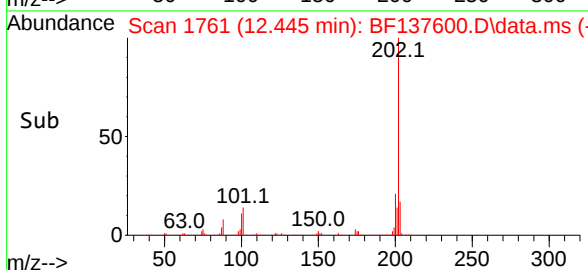
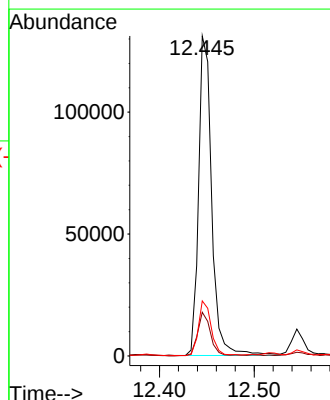
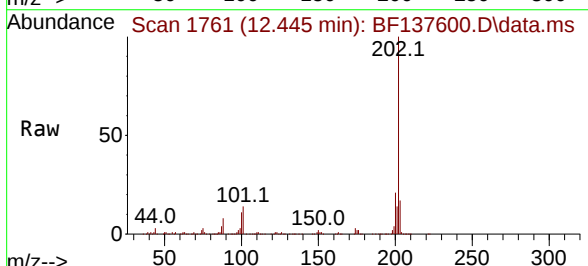
Tgt Ion:202 Resp: 127382

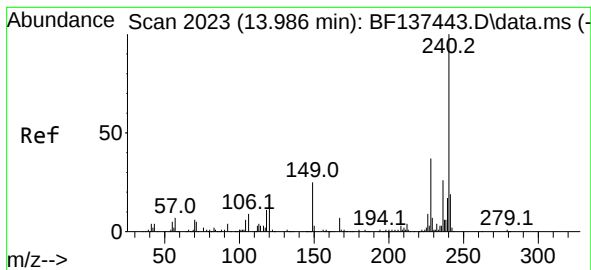
Ion Ratio Lower Upper

202 100

101 13.6 0.0 35.0

203 17.2 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: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

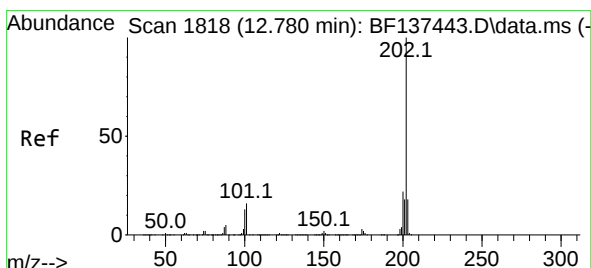
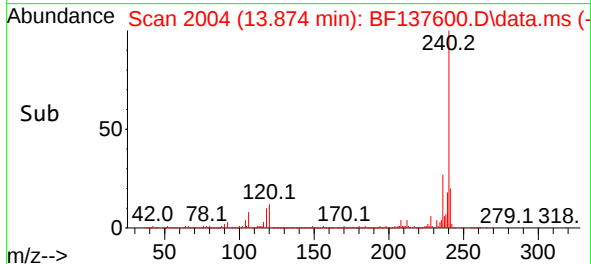
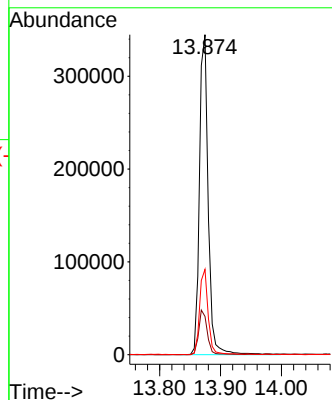
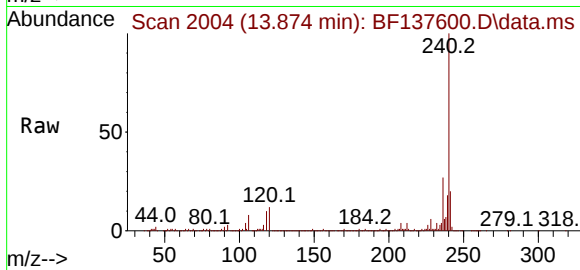
Tgt Ion:240 Resp: 343222

Ion Ratio Lower Upper

240 100

120 12.0 10.4 15.6

236 26.7 20.9 31.3



#78

Pyrene

Concen: 3.674 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

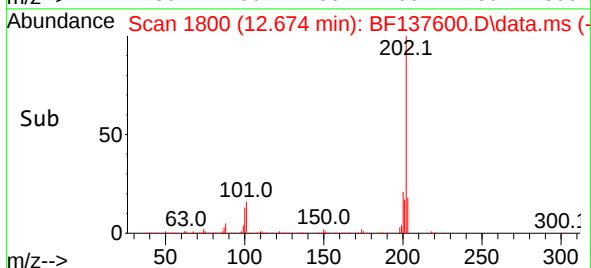
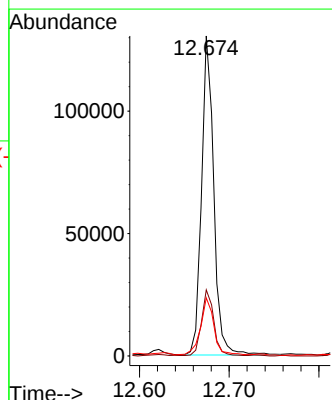
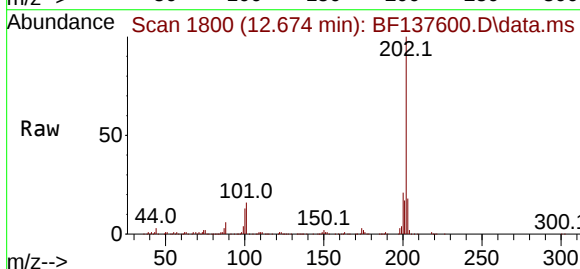
Tgt Ion:202 Resp: 123733

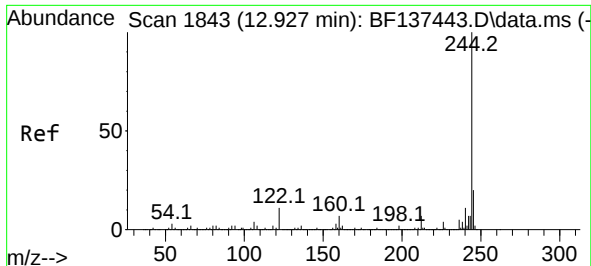
Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

203 18.2 14.1 21.1

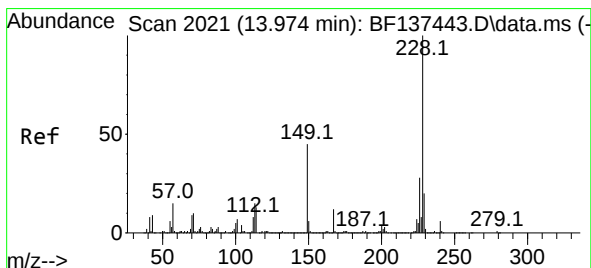
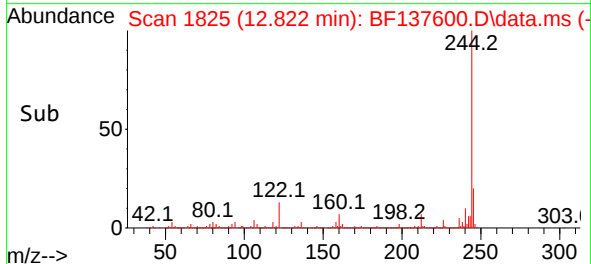
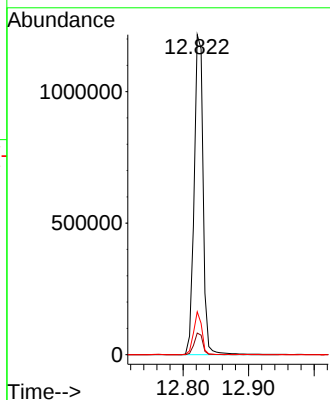
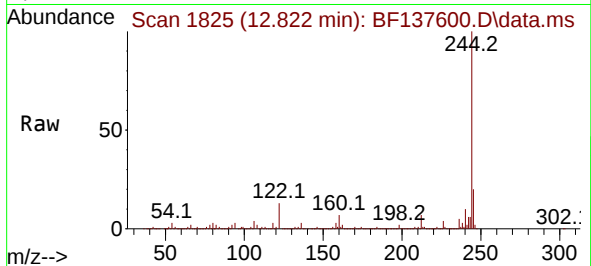




#79
 Terphenyl-d14
 Concen: 46.323 ng
 RT: 12.822 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137600.D
 Acq: 14 Mar 2024 19:58

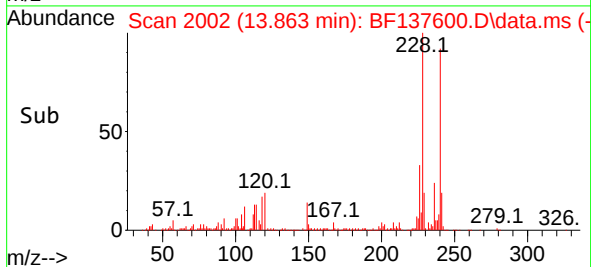
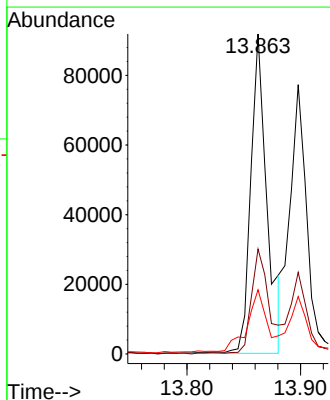
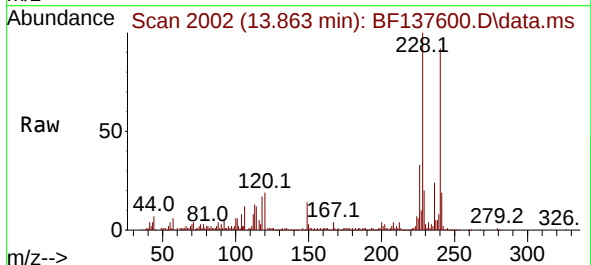
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

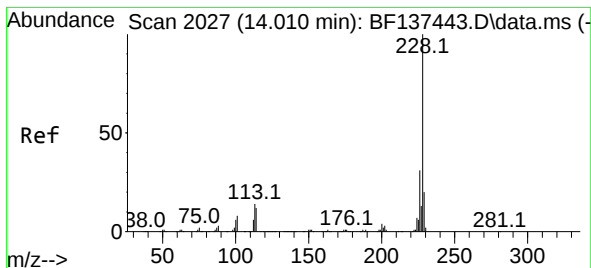
Tgt Ion:244 Resp: 1156204
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 13.4 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 3.779 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF137600.D
 Acq: 14 Mar 2024 19:58

Tgt Ion:228 Resp: 90897
 Ion Ratio Lower Upper
 228 100
 226 32.8 22.3 33.5
 229 20.0 16.3 24.5





#83

Chrysene

Concen: 3.264 ng

RT: 13.898 min Scan# 2106

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

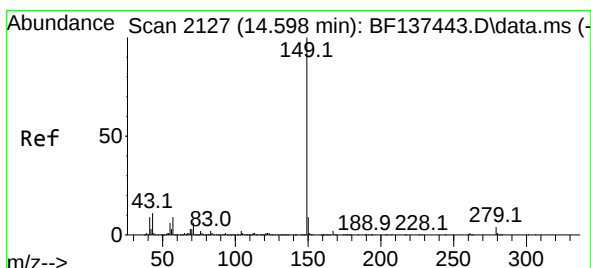
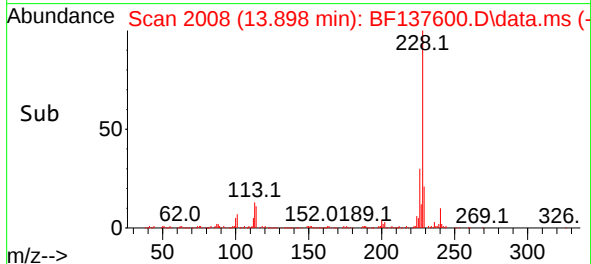
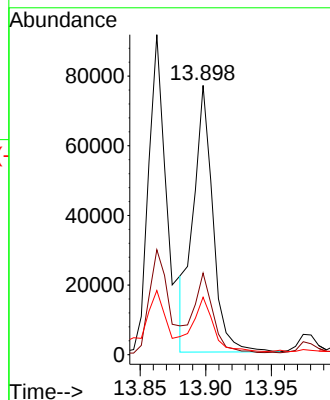
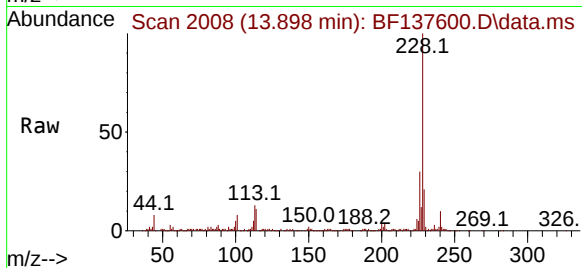
Tgt Ion:228 Resp: 79352

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 21.3 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.667 ng

RT: 14.474 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

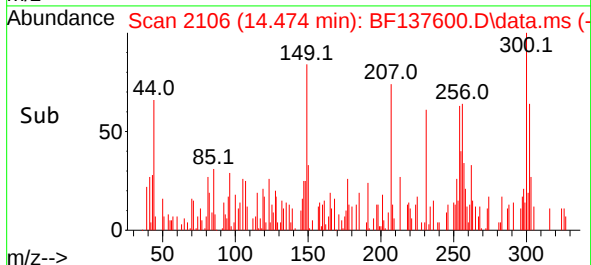
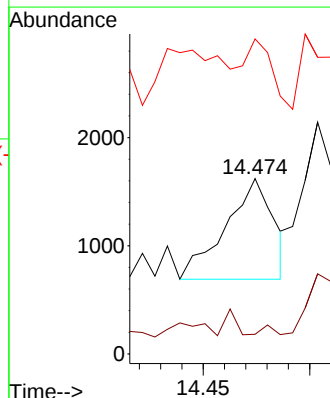
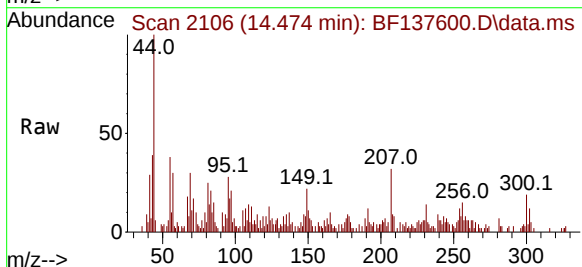
Tgt Ion:149 Resp: 1445

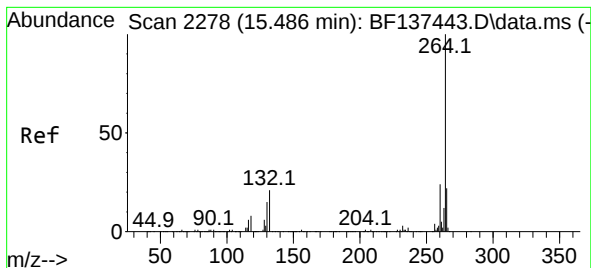
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

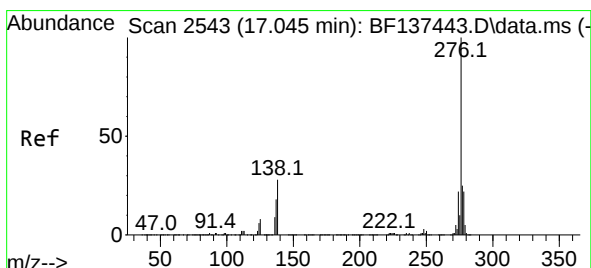
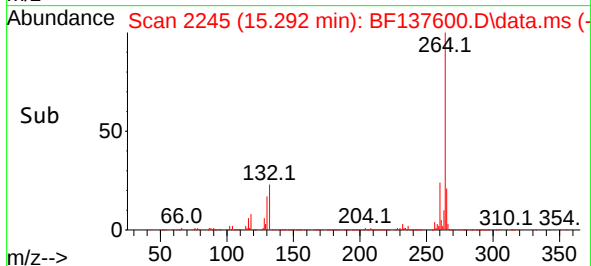
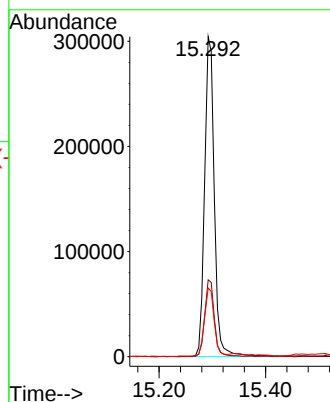
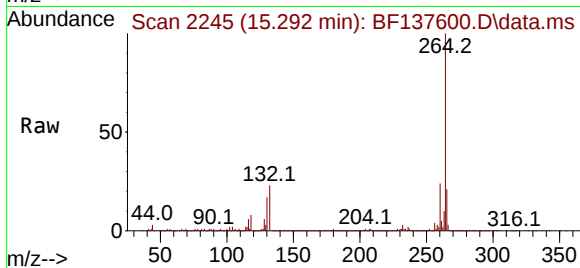
Tgt Ion:264 Resp: 385990

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 21.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.059 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.012 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

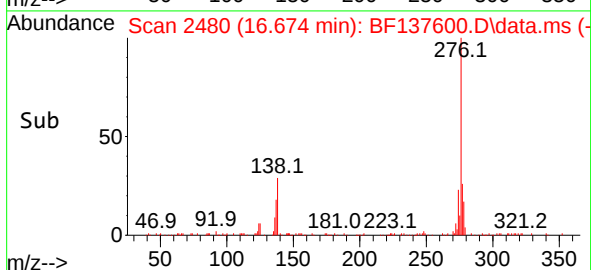
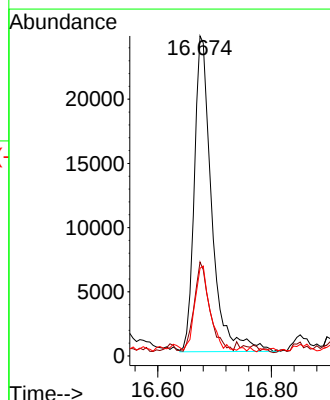
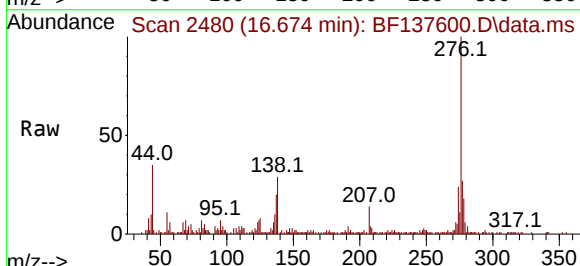
Tgt Ion:276 Resp: 52302

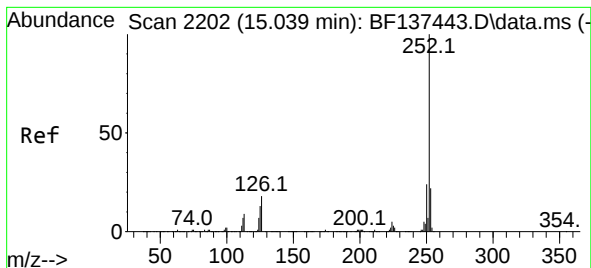
Ion Ratio Lower Upper

276 100

138 25.0 25.8 38.8#

277 23.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 7.750 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

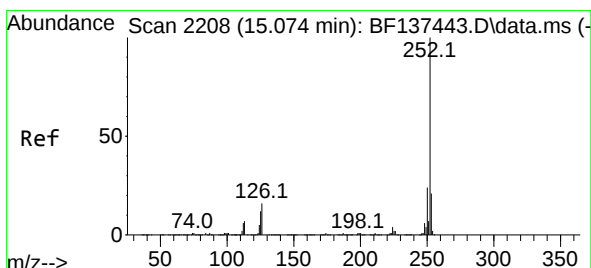
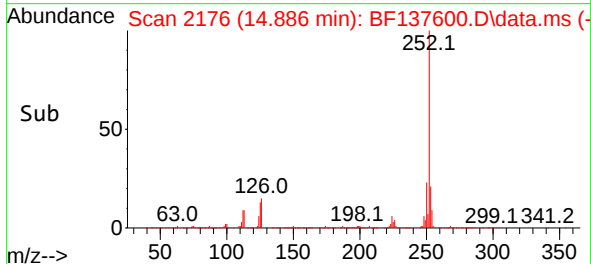
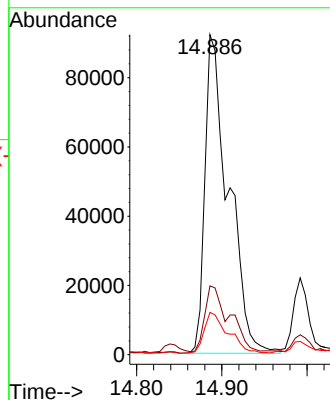
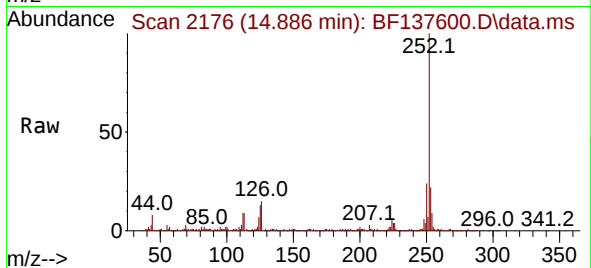
Tgt Ion:252 Resp: 176945

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 13.2 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 7.215 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.035 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

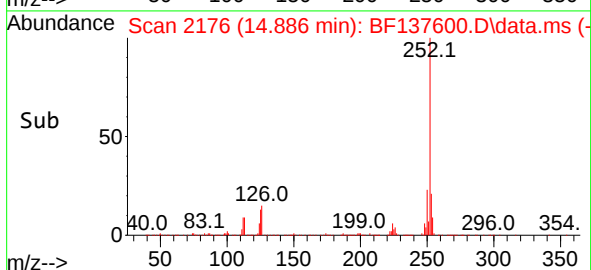
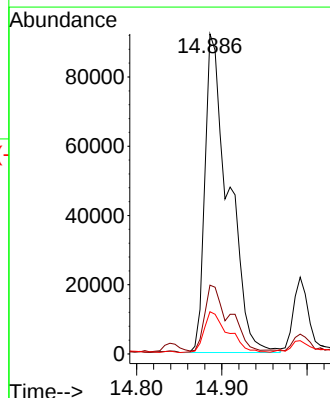
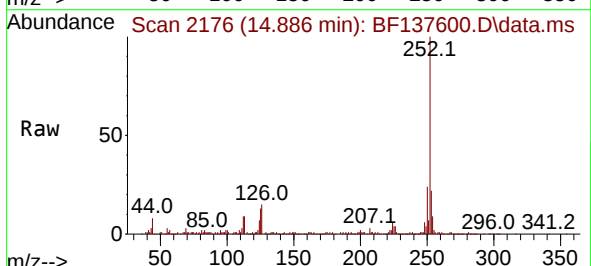
Tgt Ion:252 Resp: 176945

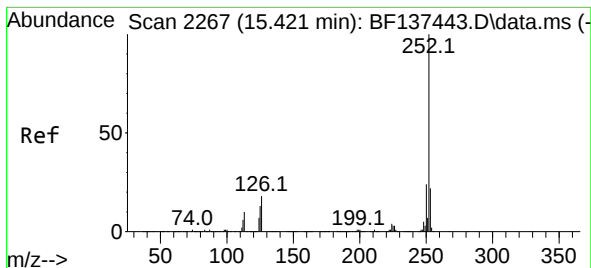
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 13.2 9.6 14.4





#90

Benzo(a)pyrene

Concen: 3.970 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

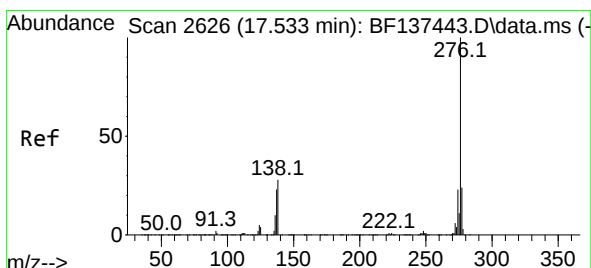
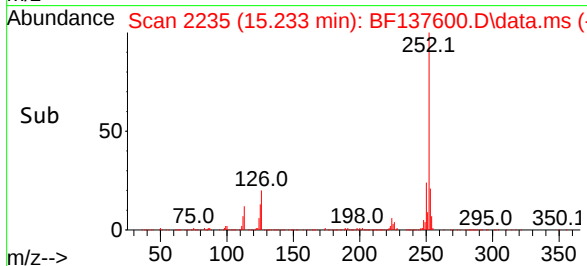
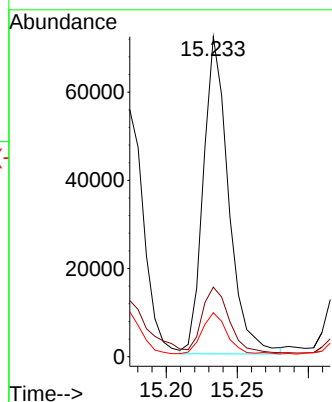
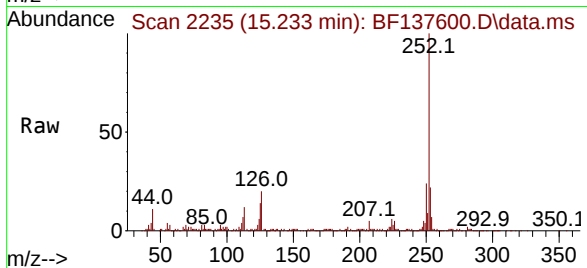
Tgt Ion:252 Resp: 89326

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 13.8 10.4 15.6



#92

Benzo(g,h,i)perylene

Concen: 2.165 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.012 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Tgt Ion:276 Resp: 45818

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 23.9 22.2 33.2

