

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137599.D
 Acq On : 14 Mar 2024 19:29
 Operator : CG\JU
 Sample : P1746-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-7.0-9.5

Quant Time: Mar 15 02:01:59 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)

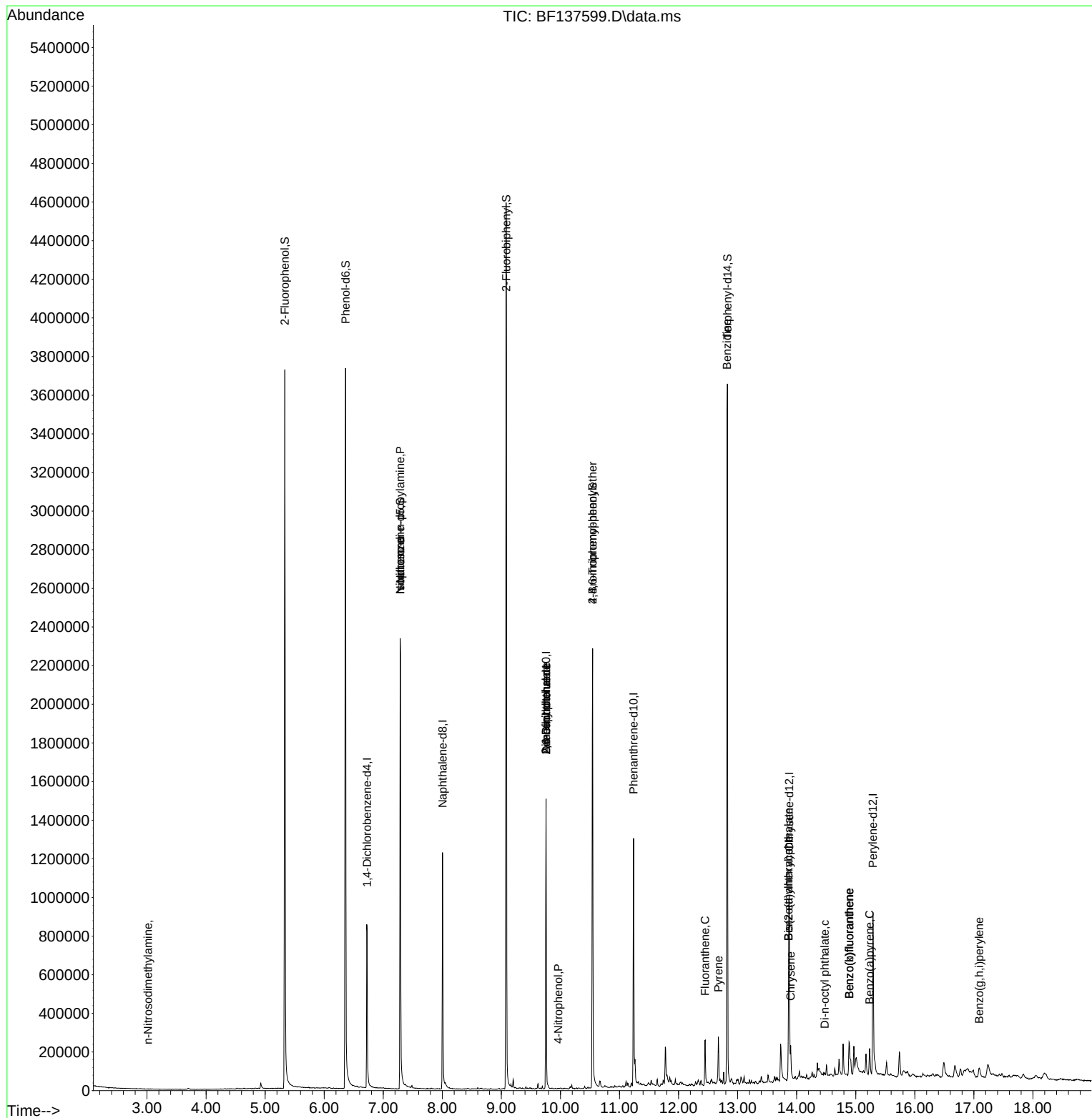
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	141943	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	544997	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	292934	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	457059	20.000	ng	0.00
76) Chrysene-d12	13.874	240	312628	20.000	ng	0.00
86) Perylene-d12	15.292	264	360295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1056352	112.713	ng	0.00
7) Phenol-d6	6.363	99	1411217	104.316	ng	0.00
23) Nitrobenzene-d5	7.287	82	872186	74.359	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	268186	104.252	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1466637	78.373	ng	0.00
79) Terphenyl-d14	12.827	244	1369657	60.245	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.016	42	224	3.850	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	111311	13.324	ng	# 79
25) Isophorone	7.287	82	872180	39.139	ng	# 69
50) Dimethylphthalate	9.757	163	45741	2.243	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	37988	8.907	ng	# 20
56) 4-Nitrophenol	9.963	139	270	4.606	ng	# 29
57) 2,4-Dinitrotoluene	9.757	165	37982	7.248	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	17651	3.546	ng	# 1
75) Fluoranthene	12.451	202	103688	4.265	ng	96
77) Benzidine	12.821	184	15527	2.029	ng	# 93
78) Pyrene	12.674	202	95710	3.120	ng	96
81) Benzo(a)anthracene	13.863	228	62792	2.866	ng	95
83) Chrysene	13.898	228	61220	2.764	ng	99
84) Bis(2-ethylhexyl)phtha...	13.863	149	30207	3.034	ng	# 98
85) Di-n-octyl phthalate	14.474	149	1306	5.667	ng	# 1
88) Benzo(b)fluoranthene	14.892	252	125269	5.878	ng	99
89) Benzo(k)fluoranthene	14.892	252	125269	5.472	ng	98
90) Benzo(a)pyrene	15.233	252	64170	3.055	ng	98
92) Benzo(g,h,i)perylene	17.092	276	39985	2.024	ng	97

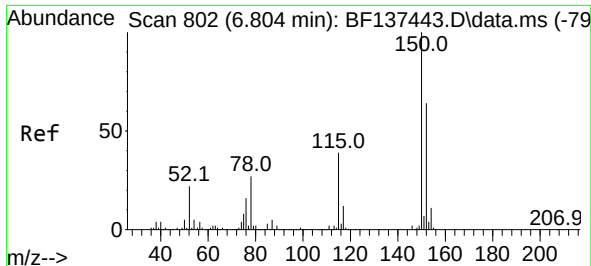
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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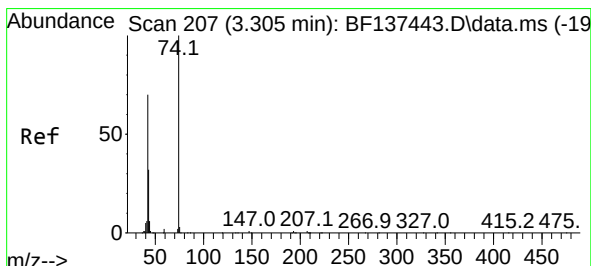
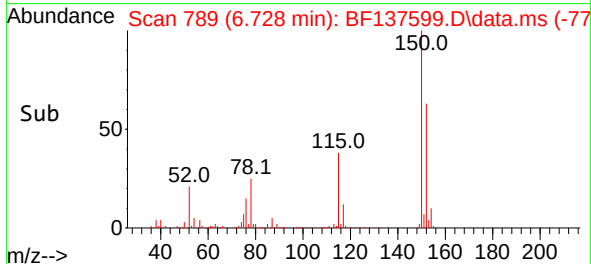
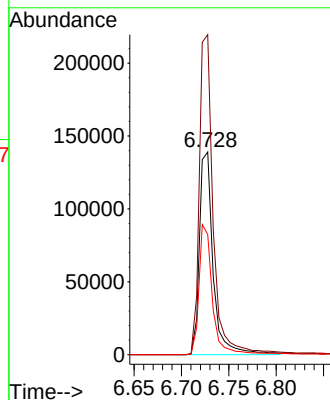
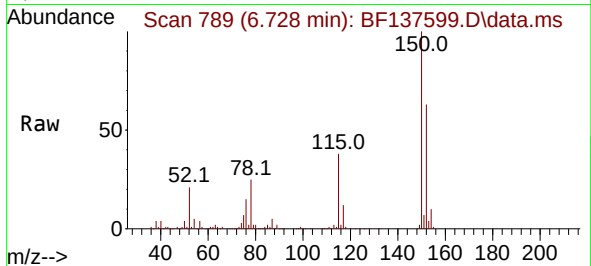




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

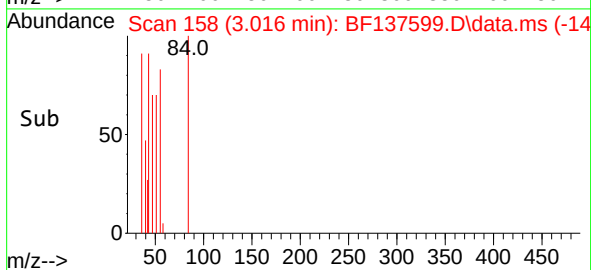
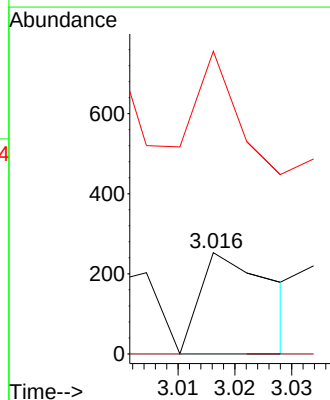
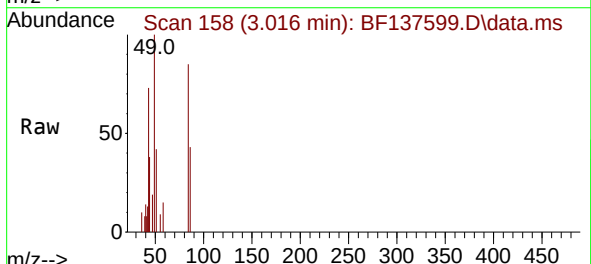
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

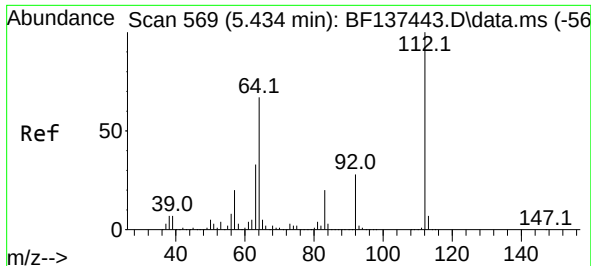
Tgt Ion:152 Resp: 141943
Ion Ratio Lower Upper
152 100
150 157.8 125.8 188.6
115 59.4 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.850 ng
RT: 3.016 min Scan# 158
Delta R.T. -0.024 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion: 42 Resp: 224
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 298.8 7.0 10.4#

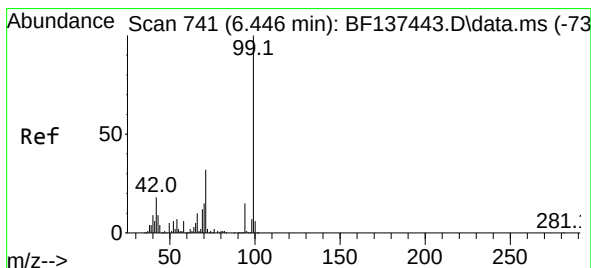
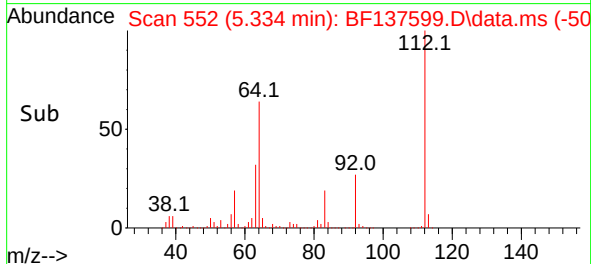
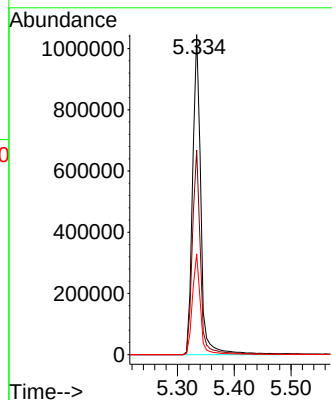
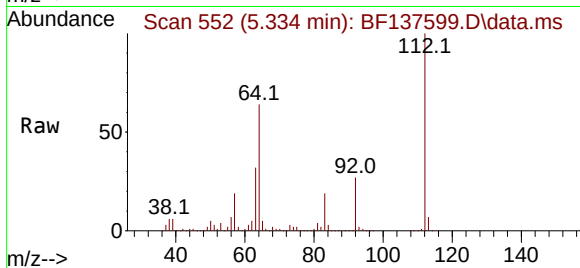




#5
2-Fluorophenol
Concen: 112.713 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

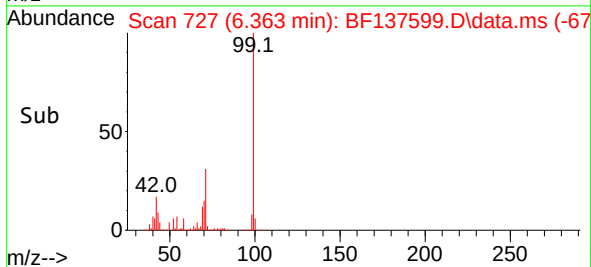
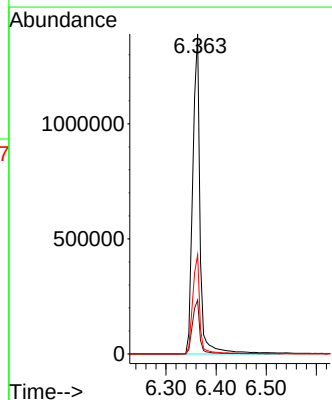
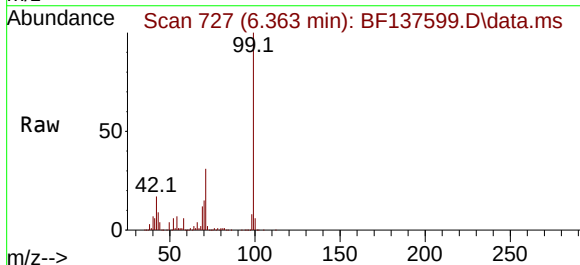
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

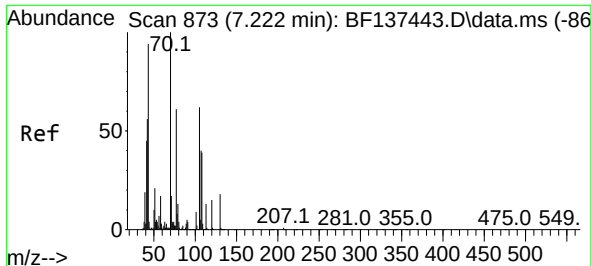
Tgt Ion:112 Resp: 1056352
Ion Ratio Lower Upper
112 100
64 63.9 53.4 80.2
63 31.5 26.2 39.2



#7
Phenol-d6
Concen: 104.316 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion: 99 Resp: 1411217
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 31.0 25.3 37.9

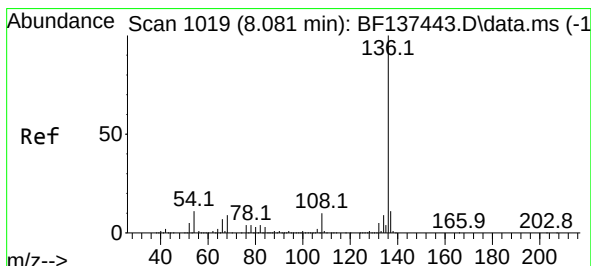
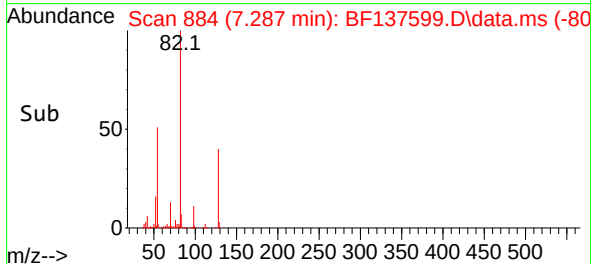
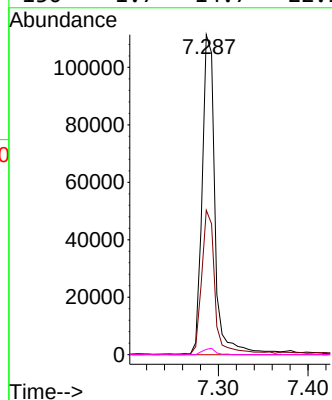
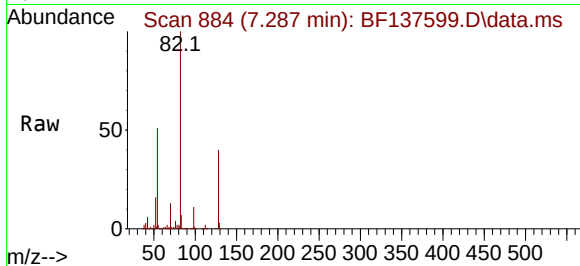




#19
n-Nitroso-di-n-propylamine
Concen: 13.324 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

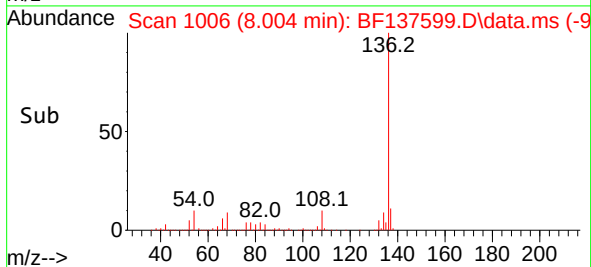
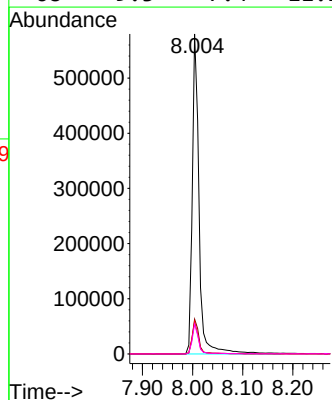
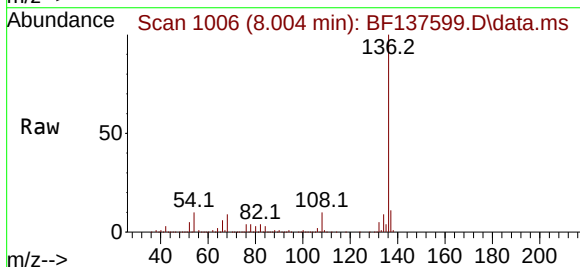
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

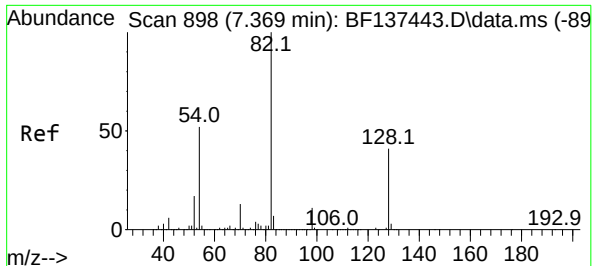
Tgt Ion: 70 Resp: 111311
Ion Ratio Lower Upper
70 100
42 45.2 45.2 67.8#
101 0.0 7.3 10.9#
130 1.7 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion: 136 Resp: 544997
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 10.2 8.5 12.7
68 9.3 7.4 11.2

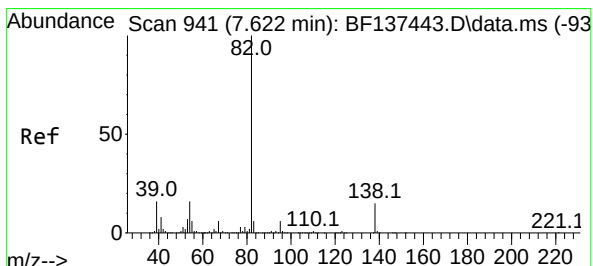
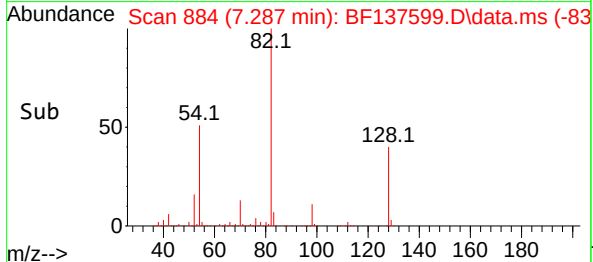
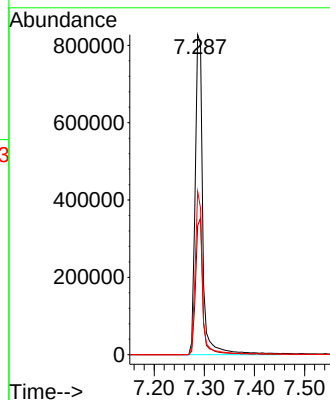
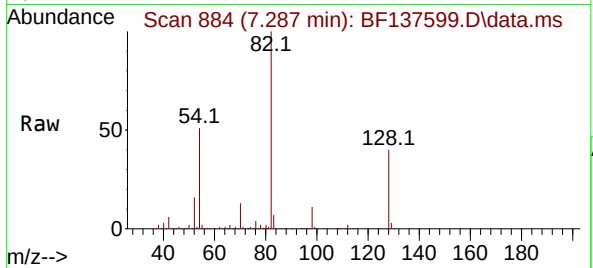




#23
Nitrobenzene-d5
Concen: 74.359 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

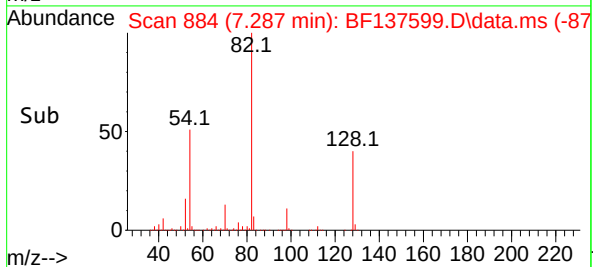
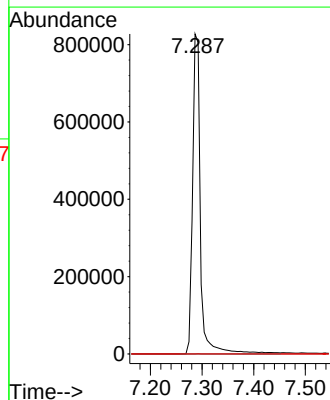
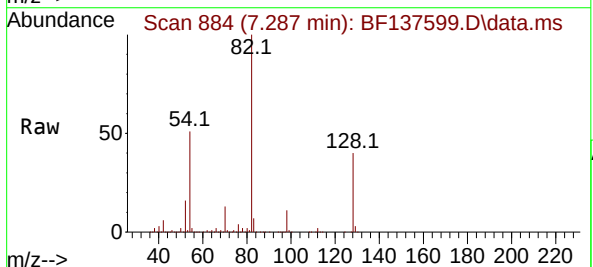
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

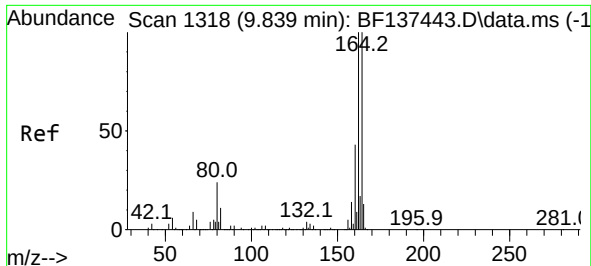
Tgt Ion: 82 Resp: 872186
Ion Ratio Lower Upper
82 100
128 40.3 32.5 48.7
54 51.0 41.5 62.3



#25
Isophorone
Concen: 39.139 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.265 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion: 82 Resp: 872180
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 11.8 17.8#

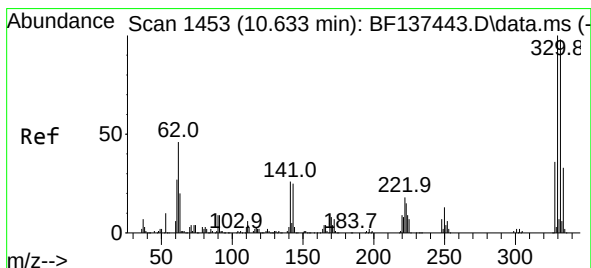
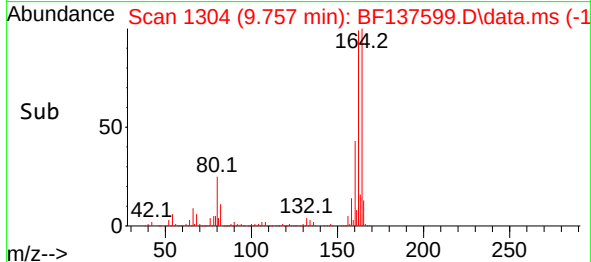
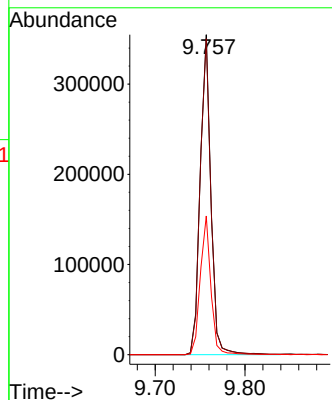
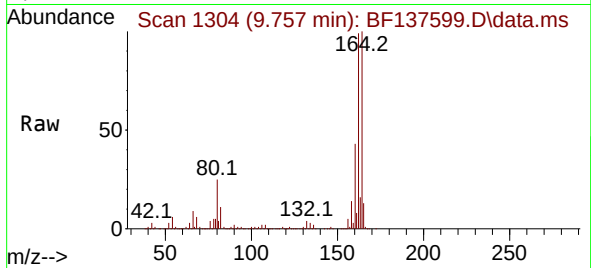




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

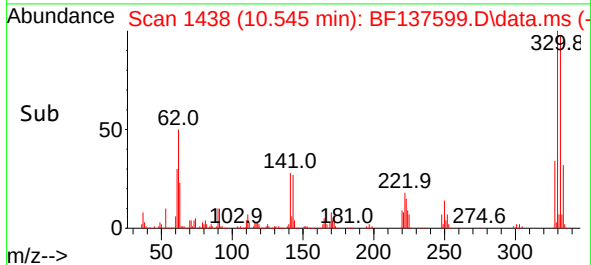
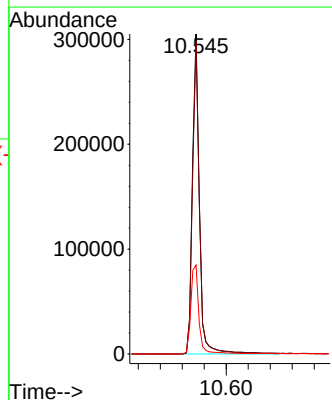
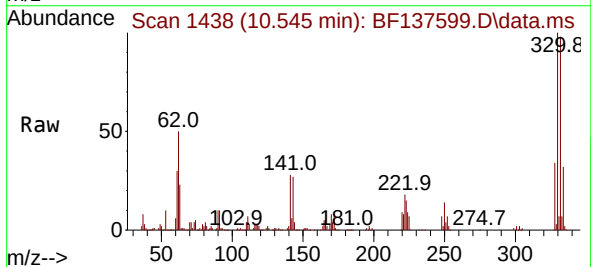
Instrument :
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ClientSampleId :
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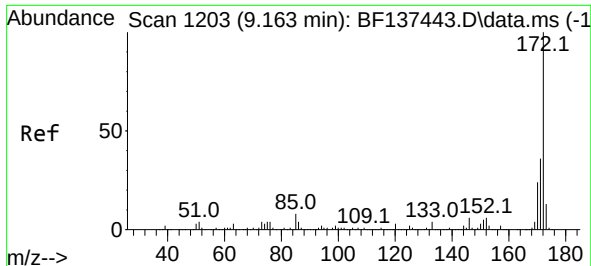
Tgt Ion:164 Resp: 292934
Ion Ratio Lower Upper
164 100
162 98.7 79.8 119.8
160 43.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 104.252 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion:330 Resp: 268186
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 32.4 27.3 40.9





#45

2-Fluorobiphenyl

Concen: 78.373 ng

RT: 9.081 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137599.D

Acq: 14 Mar 2024 19:29

Instrument :

BNA_F

ClientSampleId :

SB-01-7.0-9.5

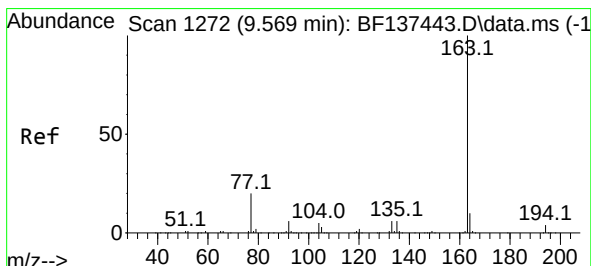
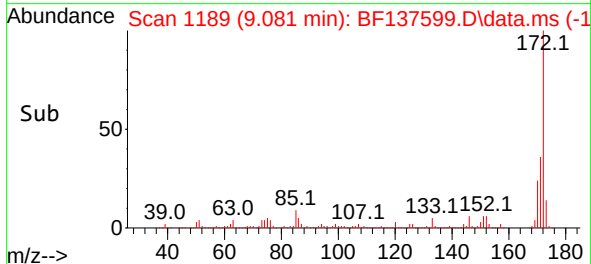
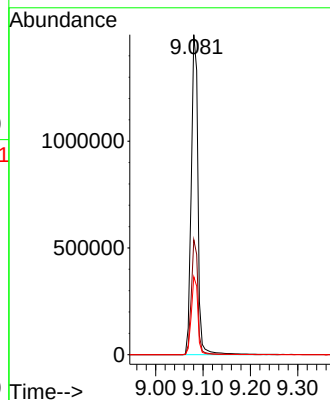
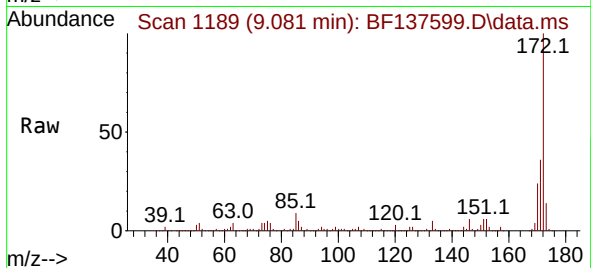
Tgt Ion:172 Resp: 1466637

Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

170 24.4 19.0 28.6



#50

Dimethylphthalate

Concen: 2.243 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.265 min

Lab File: BF137599.D

Acq: 14 Mar 2024 19:29

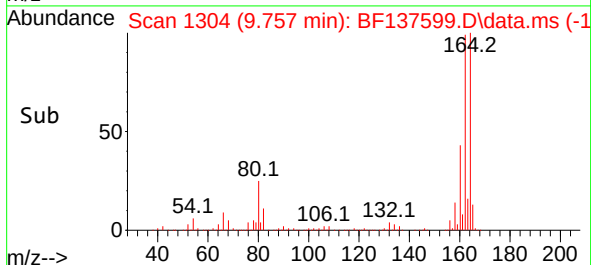
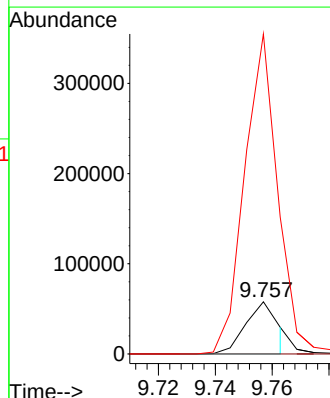
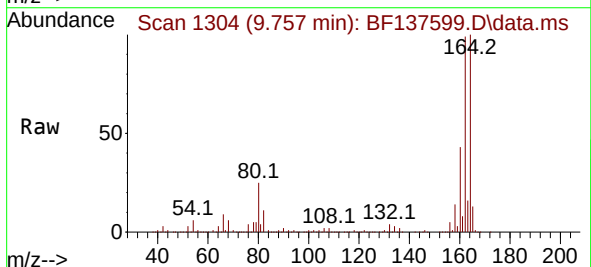
Tgt Ion:163 Resp: 45741

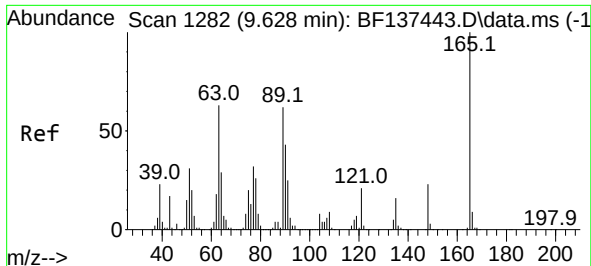
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 614.0 8.1 12.1#

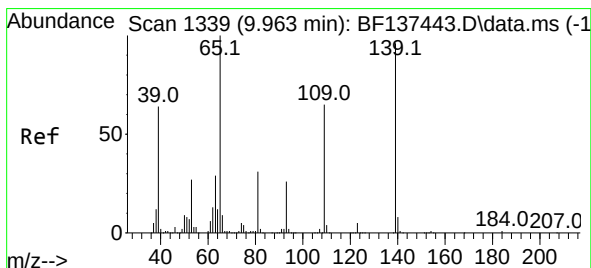
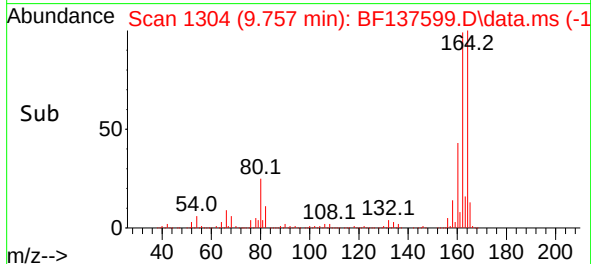
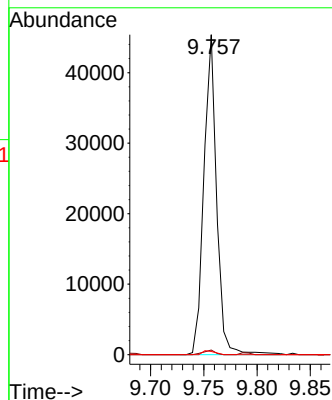
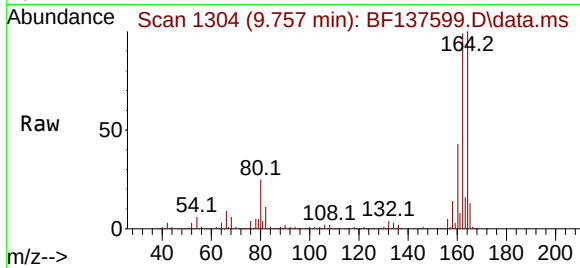




#51
2,6-Dinitrotoluene
Concen: 8.907 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

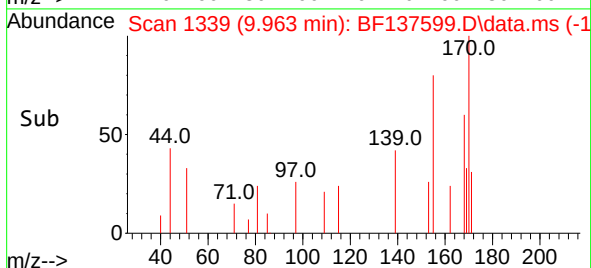
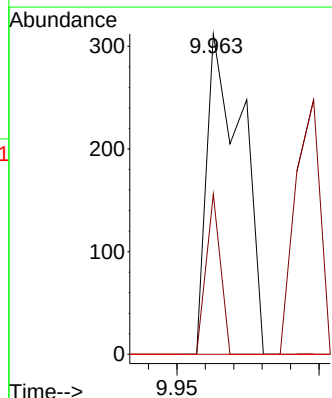
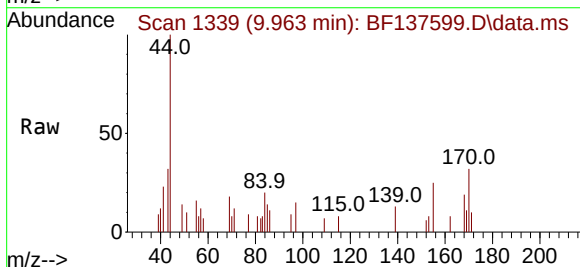
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

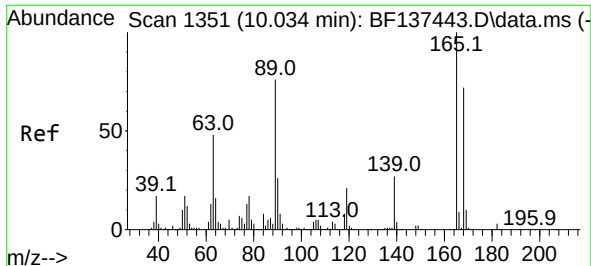
Tgt Ion:165 Resp: 37988
Ion Ratio Lower Upper
165 100
63 1.5 50.7 76.1#
89 1.0 50.0 75.0#



#56
4-Nitrophenol
Concen: 4.606 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.076 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion:139 Resp: 270
Ion Ratio Lower Upper
139 100
109 50.0 47.1 87.1
65 0.0 85.1 125.1#

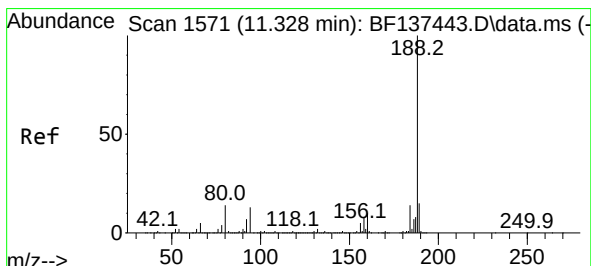
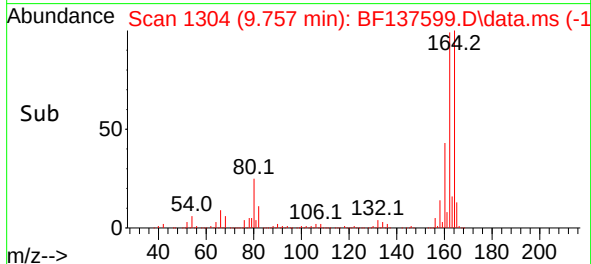
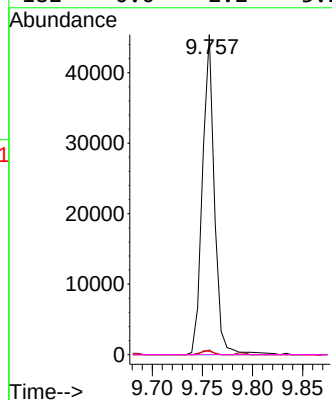
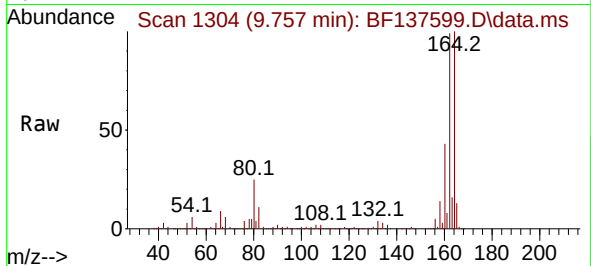




#57
2,4-Dinitrotoluene
Concen: 7.248 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

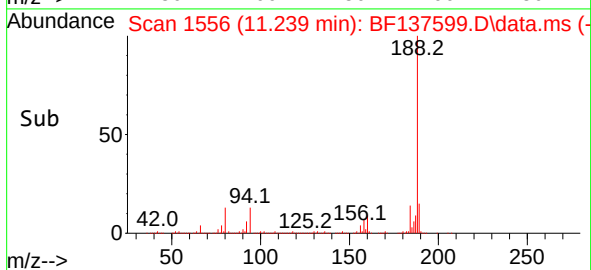
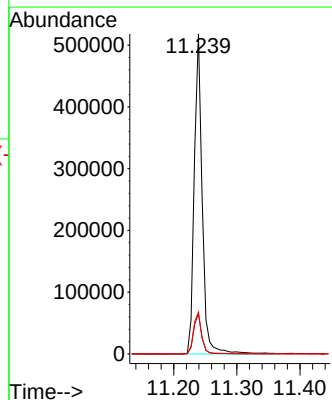
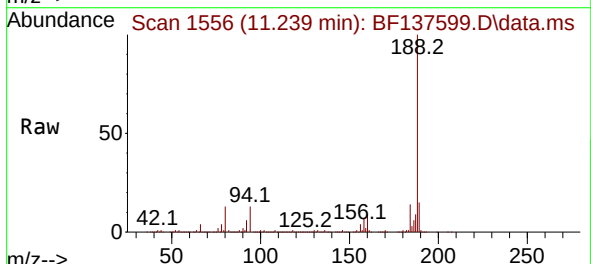
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

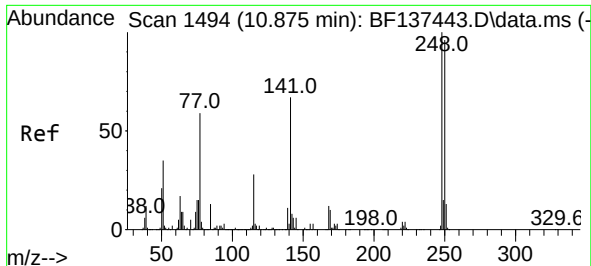
Tgt Ion:165 Resp: 37982
Ion Ratio Lower Upper
165 100
63 1.5 39.0 58.6#
89 1.0 60.9 91.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion:188 Resp: 457059
Ion Ratio Lower Upper
188 100
94 12.6 10.6 15.8
80 13.1 11.5 17.3

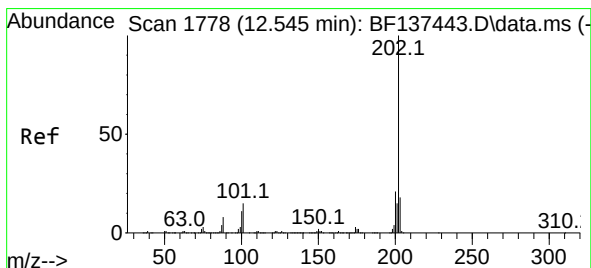
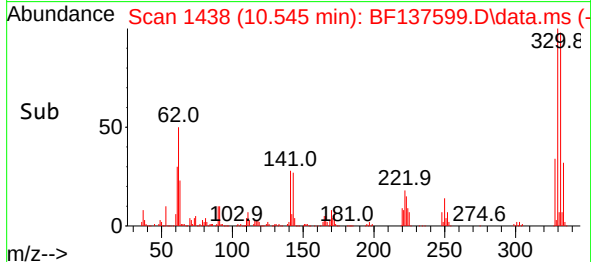
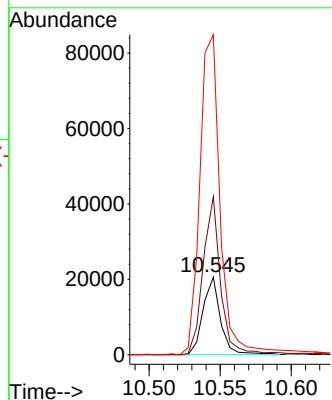
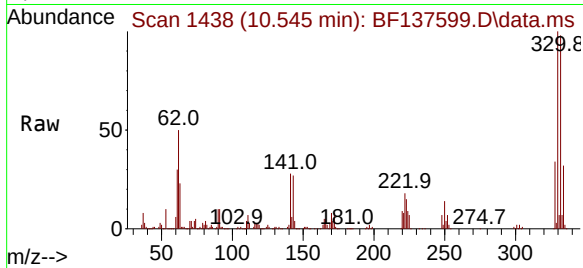




#67
4-Bromophenyl-phenylether
Concen: 3.546 ng
RT: 10.545 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

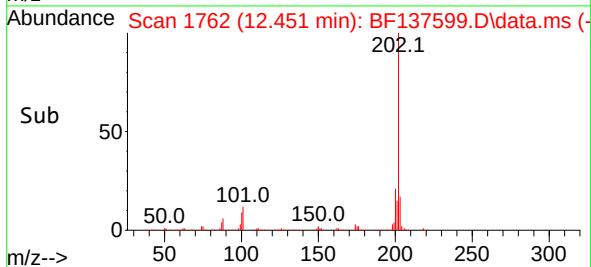
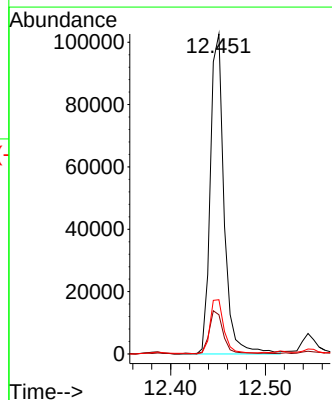
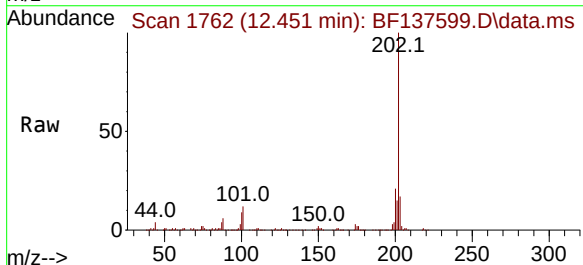
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

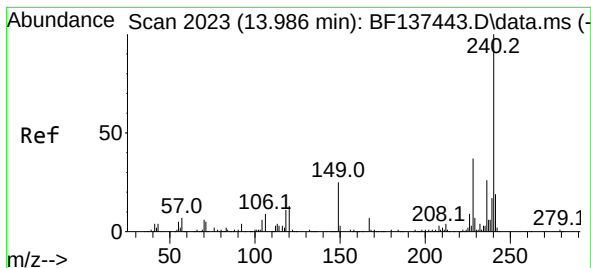
Tgt Ion:248 Resp: 17651
Ion Ratio Lower Upper
248 100
250 203.7 76.8 115.2#
141 412.5 53.4 80.0#



#75
Fluoranthene
Concen: 4.265 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion:202 Resp: 103688
Ion Ratio Lower Upper
202 100
101 12.3 0.0 35.0
203 17.0 0.0 37.7

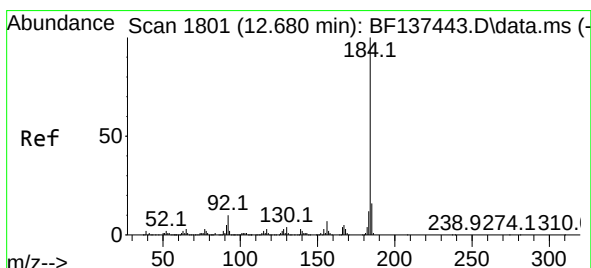
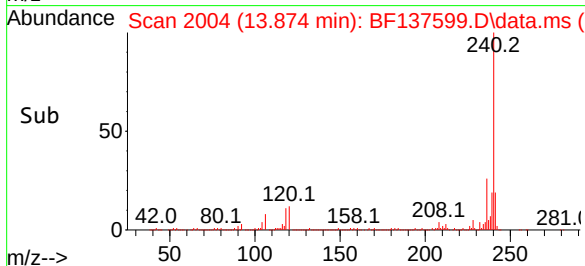
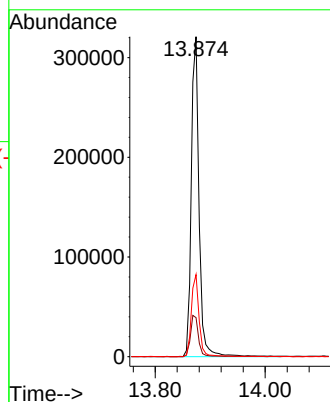
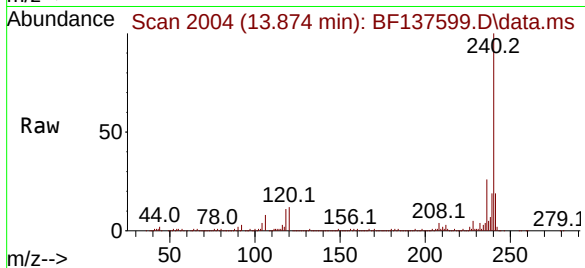




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

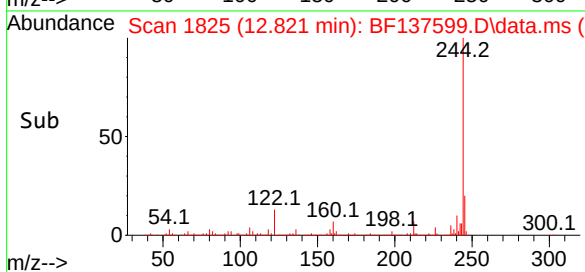
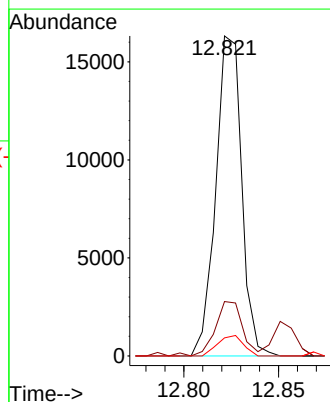
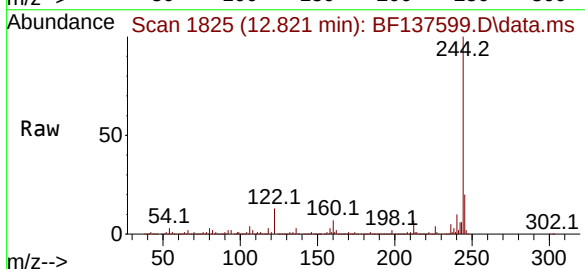
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

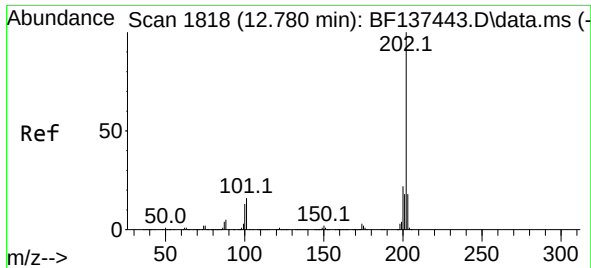
Tgt Ion:240 Resp: 312628
Ion Ratio Lower Upper
240 100
120 12.2 10.4 15.6
236 25.6 20.9 31.3



#77
Benzidine
Concen: 2.029 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.241 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion:184 Resp: 15527
Ion Ratio Lower Upper
184 100
185 17.0 13.2 19.8
183 5.6 9.3 13.9#

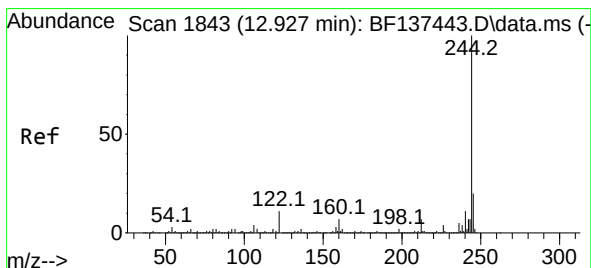
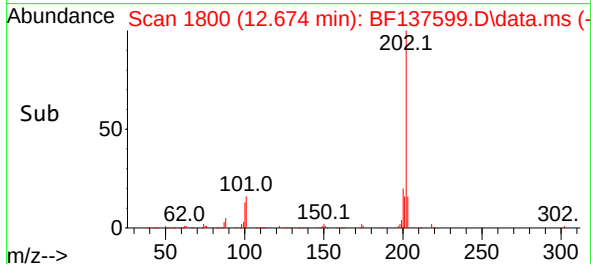
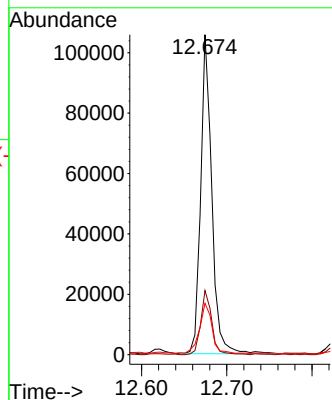
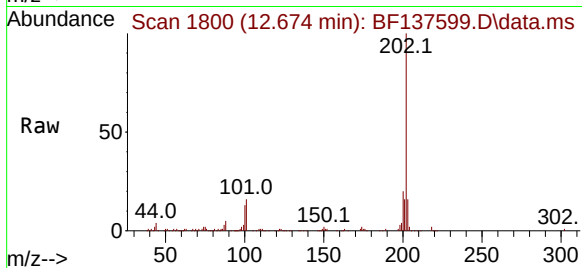




#78
Pyrene
Concen: 3.120 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

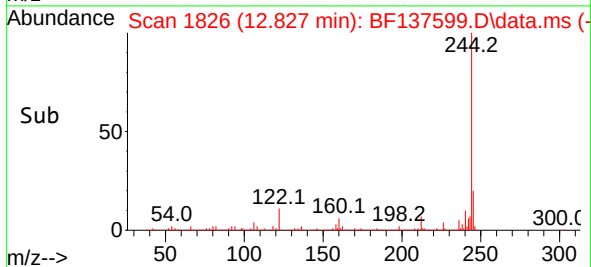
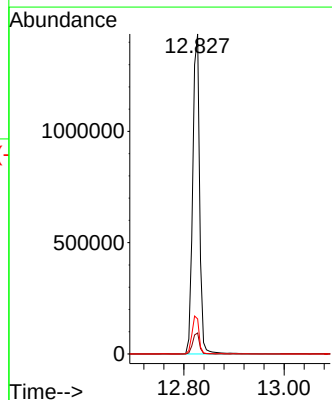
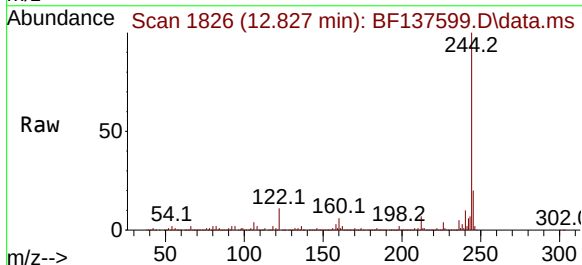
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

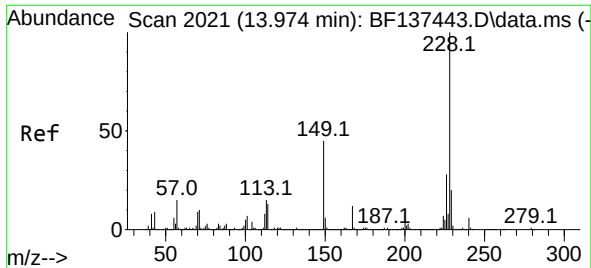
Tgt Ion:202 Resp: 95710
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 16.0 14.1 21.1



#79
Terphenyl-d14
Concen: 60.245 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion:244 Resp: 1369657
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.9 9.1 13.7

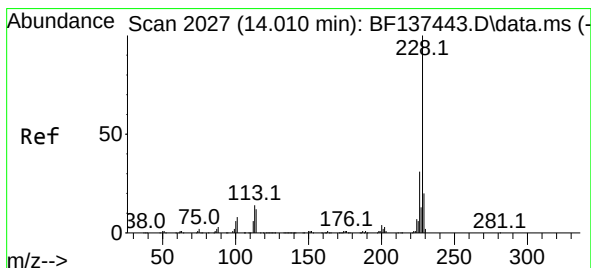
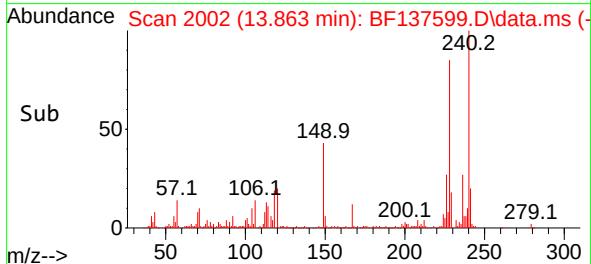
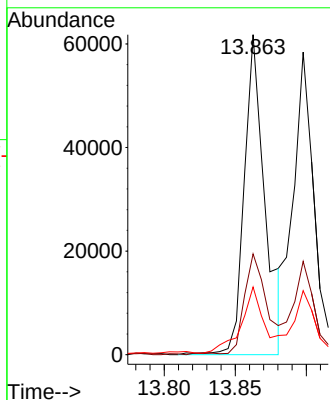
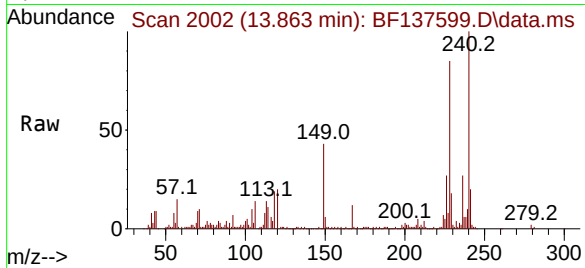




#81
Benzo(a)anthracene
Concen: 2.866 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

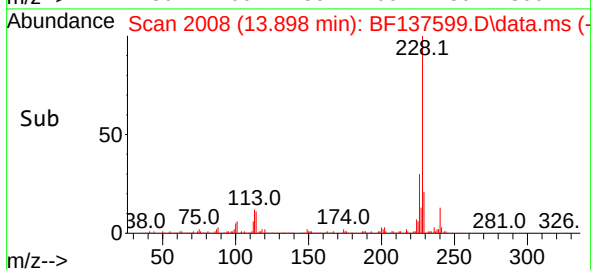
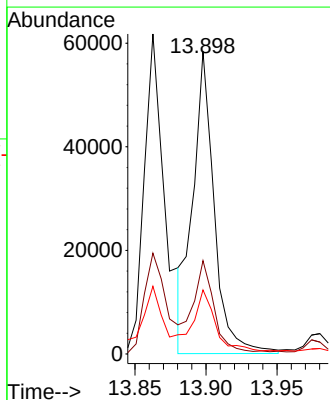
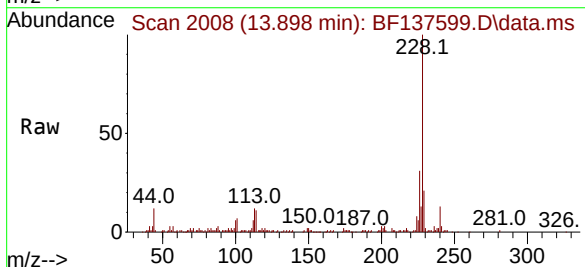
Instrument :
BNA_F
ClientSampleId :
SB-01-7.0-9.5

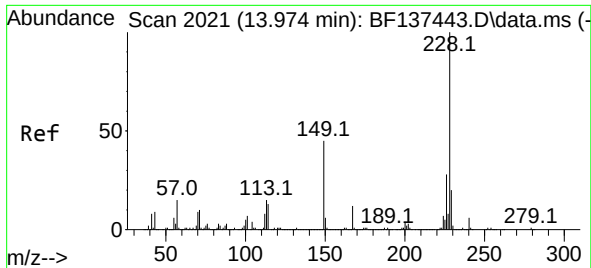
Tgt Ion:228 Resp: 62792
Ion Ratio Lower Upper
228 100
226 31.5 22.3 33.5
229 21.2 16.3 24.5



#83
Chrysene
Concen: 2.764 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137599.D
Acq: 14 Mar 2024 19:29

Tgt Ion:228 Resp: 61220
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 21.1 15.9 23.9

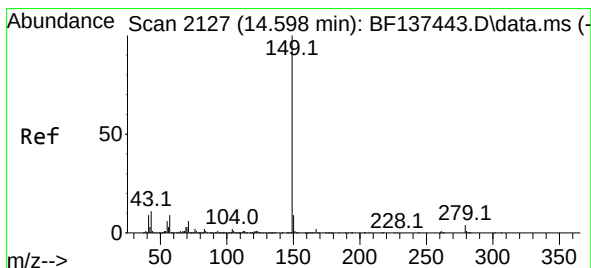
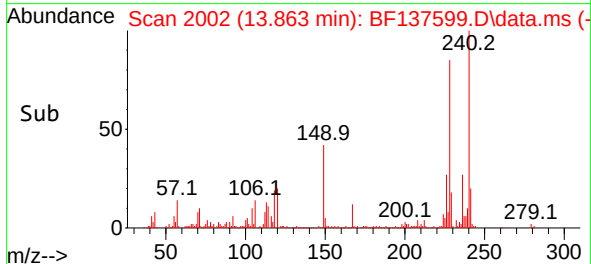
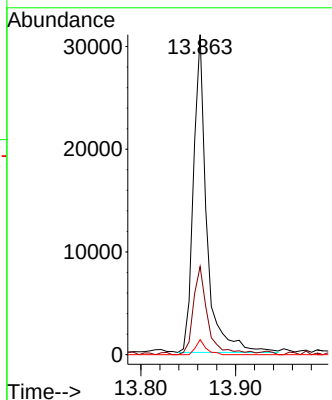
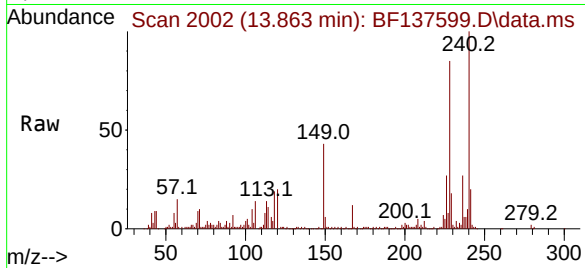




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.034 ng
 RT: 13.863 min Scan# 2100
 Delta R.T. -0.000 min
 Lab File: BF137599.D
 Acq: 14 Mar 2024 19:29

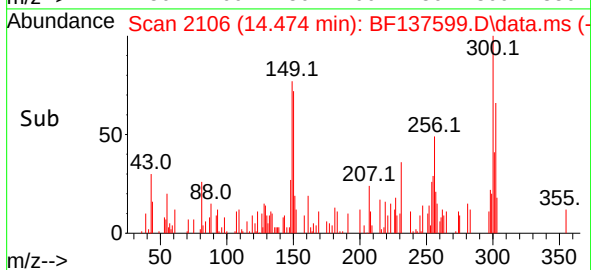
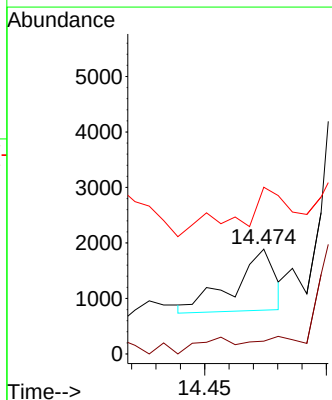
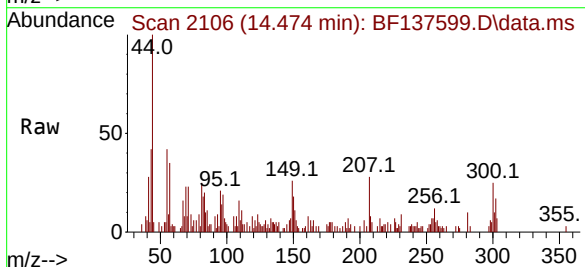
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-7.0-9.5

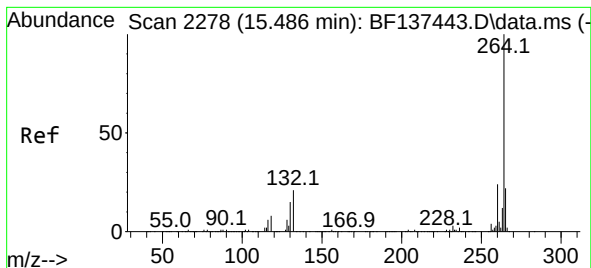
Tgt Ion:149 Resp: 30207
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.3 31.9
 279 4.7 2.6 4.0#



#85
 Di-n-octyl phthalate
 Concen: 5.667 ng
 RT: 14.474 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BF137599.D
 Acq: 14 Mar 2024 19:29

Tgt Ion:149 Resp: 1306
 Ion Ratio Lower Upper
 149 100
 167 28.9 1.2 1.8#
 43 59.6 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF137599.D

Acq: 14 Mar 2024 19:29

Instrument :

BNA_F

ClientSampleId :

SB-01-7.0-9.5

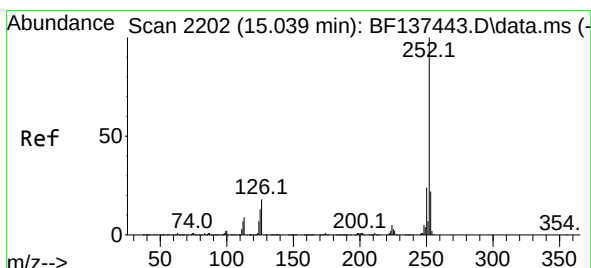
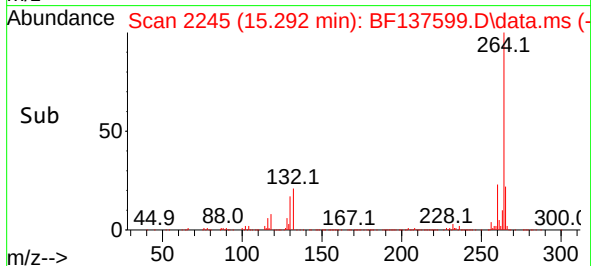
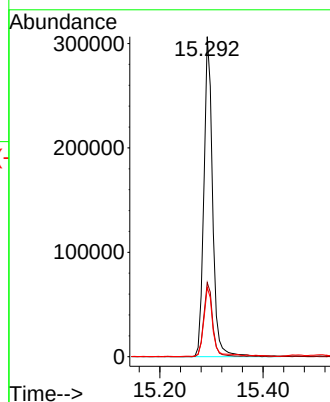
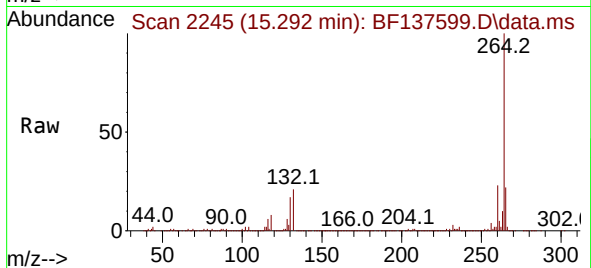
Tgt Ion:264 Resp: 360295

Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

265 21.6 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 5.878 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF137599.D

Acq: 14 Mar 2024 19:29

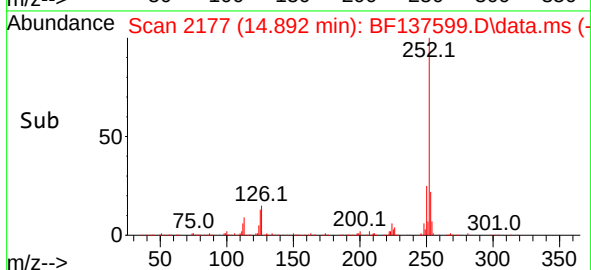
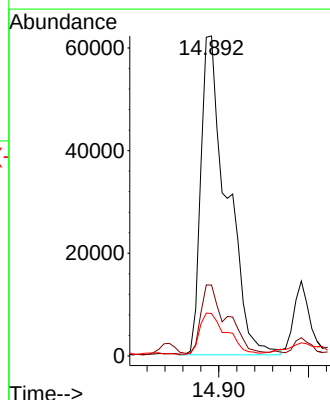
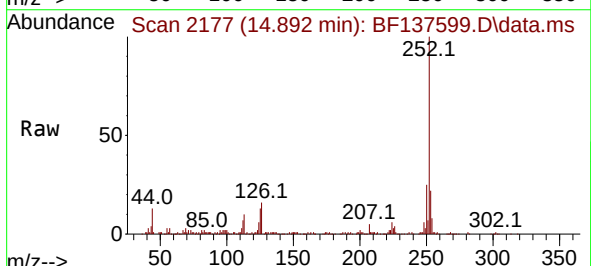
Tgt Ion:252 Resp: 125269

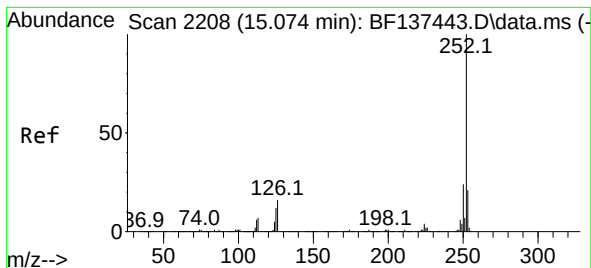
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 13.2 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 5.472 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.030 min

Lab File: BF137599.D

Acq: 14 Mar 2024 19:29

Instrument :

BNA_F

ClientSampleId :

SB-01-7.0-9.5

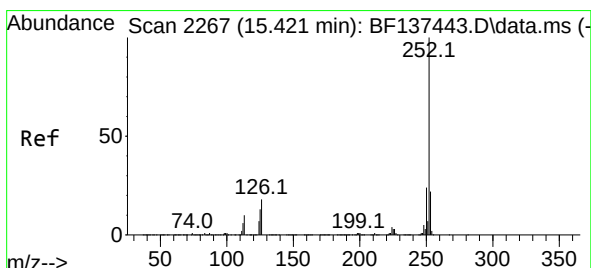
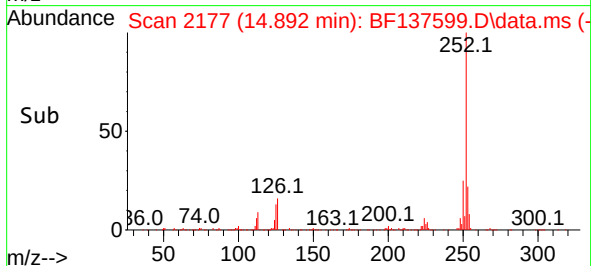
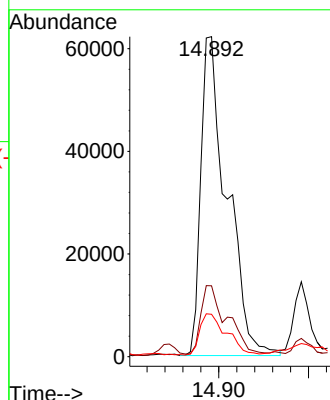
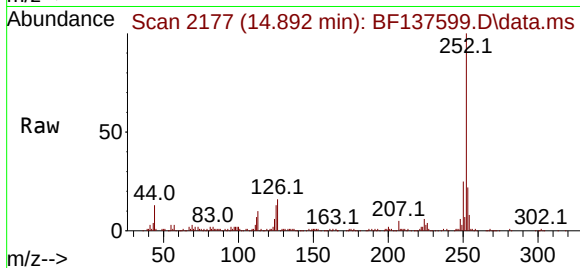
Tgt Ion:252 Resp: 125269

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 13.2 9.6 14.4



#90

Benzo(a)pyrene

Concen: 3.055 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF137599.D

Acq: 14 Mar 2024 19:29

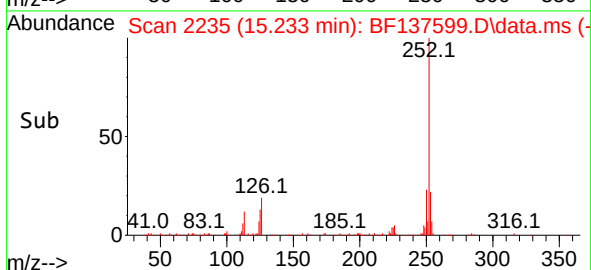
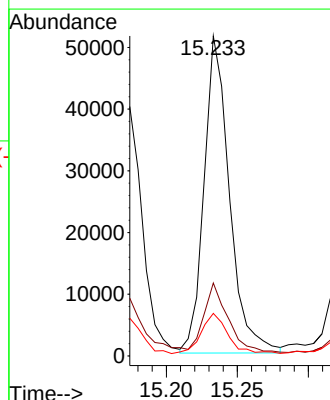
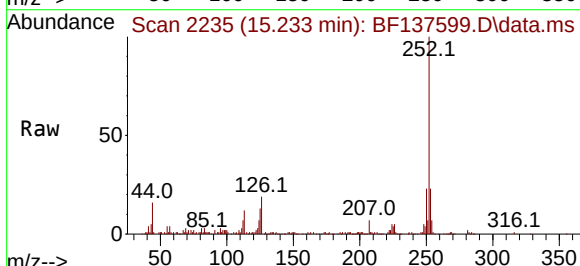
Tgt Ion:252 Resp: 64170

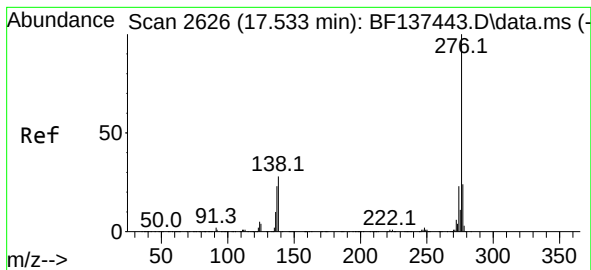
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 13.3 10.4 15.6





#92

Benzo(g,h,i)perylene

Concen: 2.024 ng

RT: 17.092 min Scan# 2

Delta R.T. -0.012 min

Lab File: BF137599.D

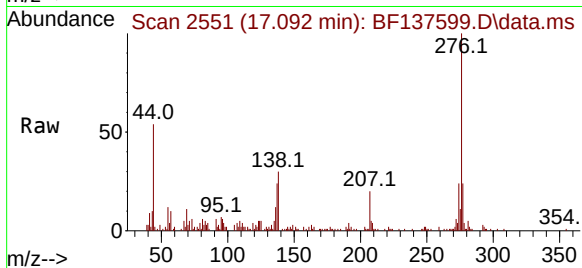
Acq: 14 Mar 2024 19:29

Instrument :

BNA_F

ClientSampleId :

SB-01-7.0-9.5



Tgt Ion:276 Resp: 39985

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 30.0 22.2 33.2

