

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137601.D
 Acq On : 14 Mar 2024 20:26
 Operator : CG\JU
 Sample : P1746-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0-DUP

Quant Time: Mar 15 02:02:55 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)

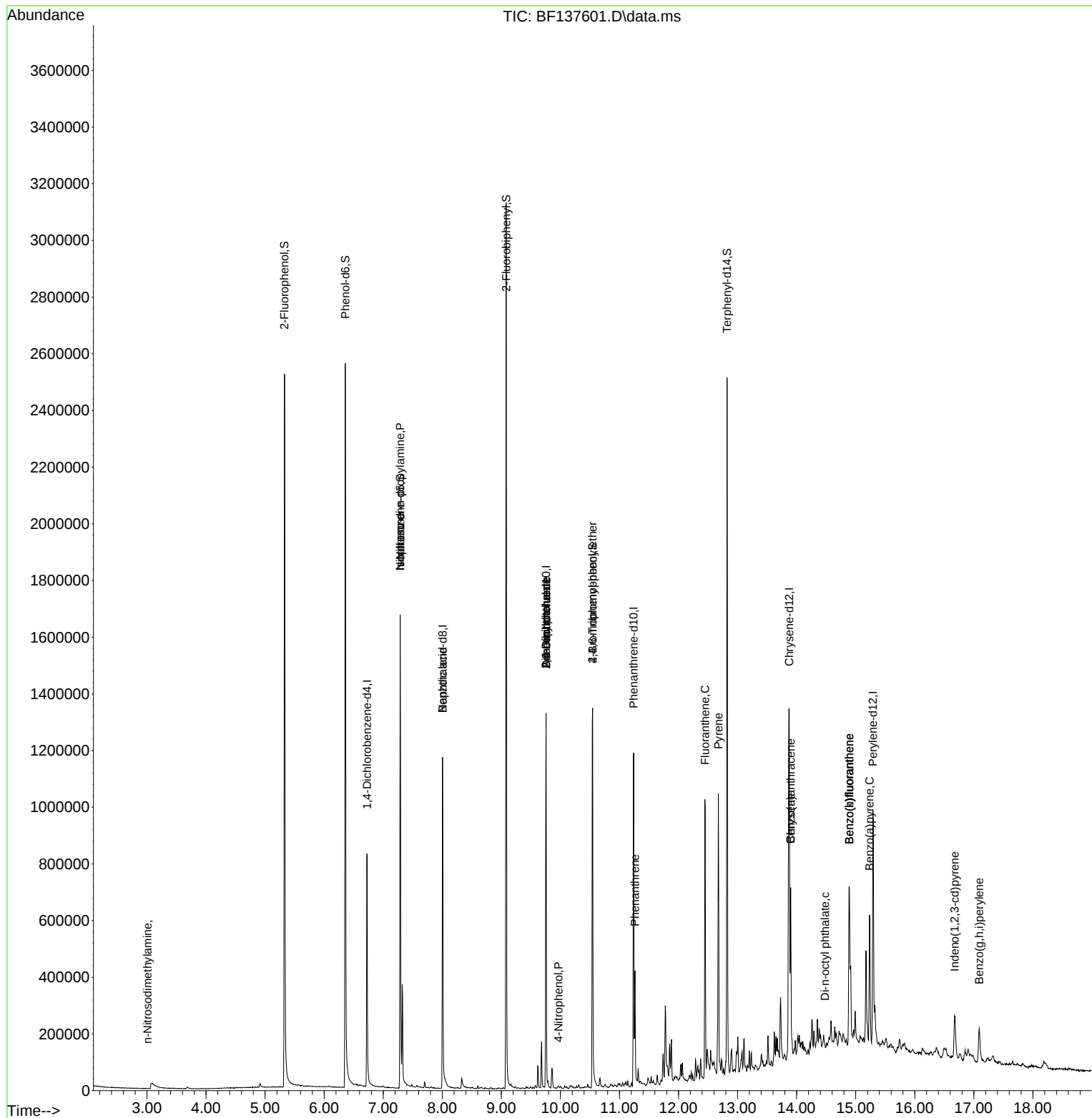
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	134775	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	510426	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	256541	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	405000	20.000	ng	0.00
76) Chrysene-d12	13.874	240	342705	20.000	ng	0.00
86) Perylene-d12	15.292	264	373013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	710394	79.831	ng	0.00
7) Phenol-d6	6.357	99	943168	73.426	ng	-0.01
23) Nitrobenzene-d5	7.287	82	556849	50.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	163911	72.756	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	887699	54.166	ng	0.00
79) Terphenyl-d14	12.822	244	820171	32.909	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.010	42	463	3.898	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	64627	8.148	ng	# 80
25) Isophorone	7.287	82	556849	26.681	ng	# 69
32) Benzoic acid	8.004	122	64	6.310	ng	# 1
50) Dimethylphthalate	9.757	163	40375	2.261	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	33953	9.090	ng	# 20
56) 4-Nitrophenol	9.969	139	685	4.756	ng	# 5
57) 2,4-Dinitrotoluene	9.757	165	33953	7.399	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	10721	2.430	ng	# 1
71) Phenanthrene	11.263	178	146332	6.639	ng	98
75) Fluoranthene	12.451	202	410053	19.033	ng	96
78) Pyrene	12.674	202	369297	10.982	ng	99
81) Benzo(a)anthracene	13.898	228	225460	9.386	ng	97
83) Chrysene	13.898	228	225460	9.287	ng	99
85) Di-n-octyl phthalate	14.480	149	1327	5.663	ng	# 65
87) Indeno(1,2,3-cd)pyrene	16.674	276	101878	4.150	ng	95
88) Benzo(b)fluoranthene	14.892	252	415734	18.841	ng	99
89) Benzo(k)fluoranthene	14.892	252	415734	17.541	ng	98
90) Benzo(a)pyrene	15.233	252	201422	9.263	ng	99
92) Benzo(g,h,i)perylene	17.092	276	90763	4.438	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
Data File : BF137601.D
Acq On : 14 Mar 2024 20:26
Operator : CG\JU
Sample : P1746-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Quant Time: Mar 15 02:02:55 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

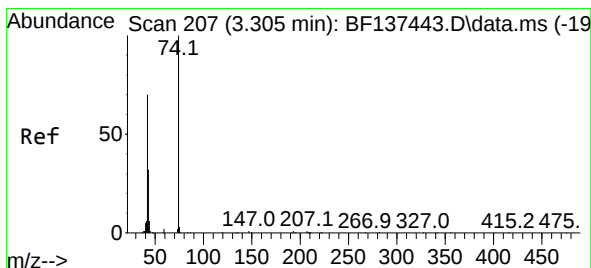
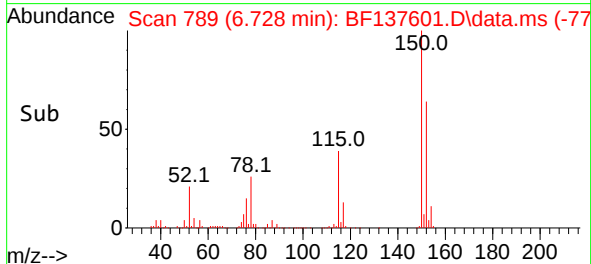
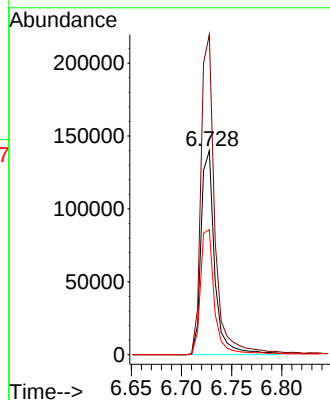
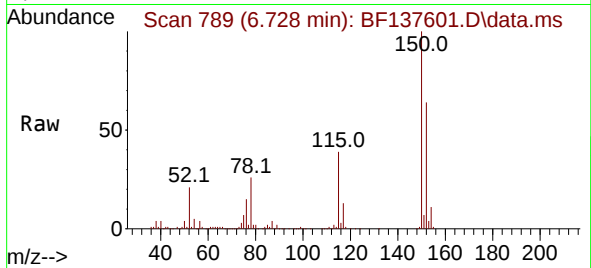




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

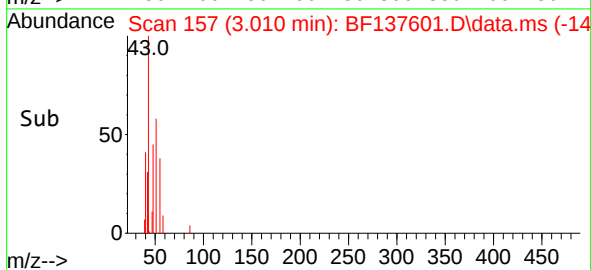
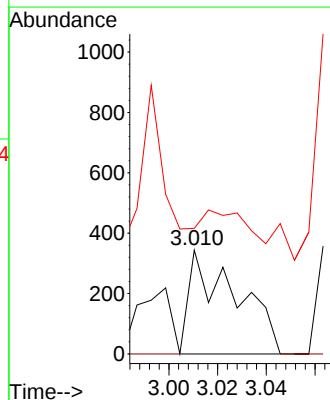
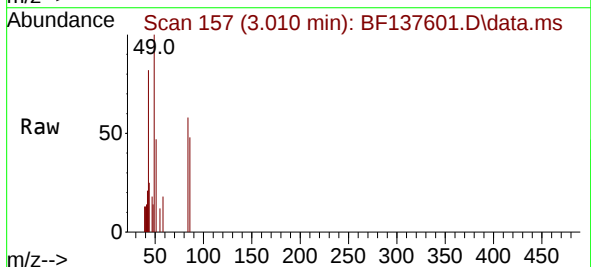
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

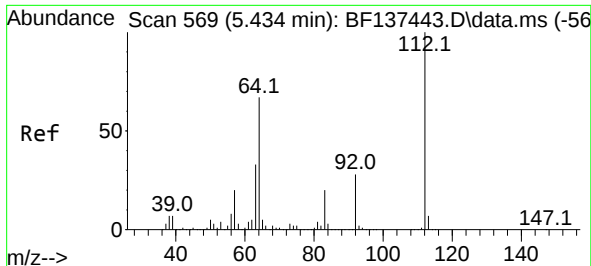
Tgt Ion:152 Resp: 134775
Ion Ratio Lower Upper
152 100
150 156.8 125.8 188.6
115 61.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.898 ng
RT: 3.010 min Scan# 157
Delta R.T. -0.029 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 120.9 7.0 10.4#

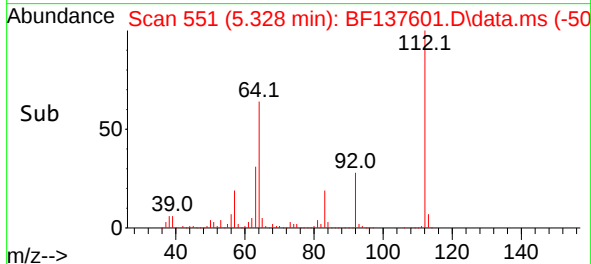
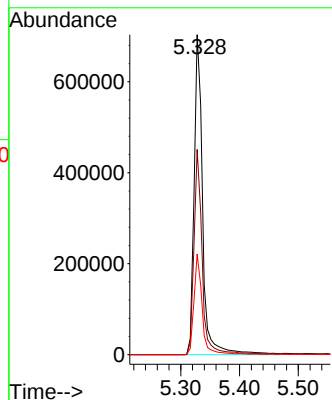
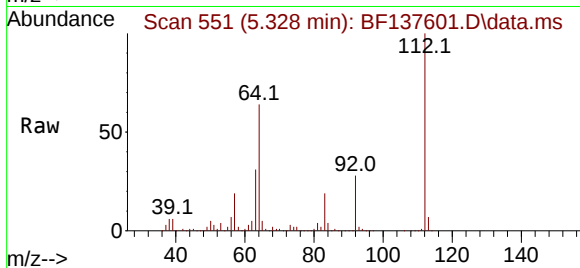




#5
2-Fluorophenol
Concen: 79.831 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

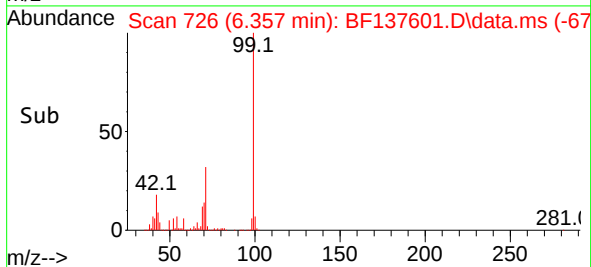
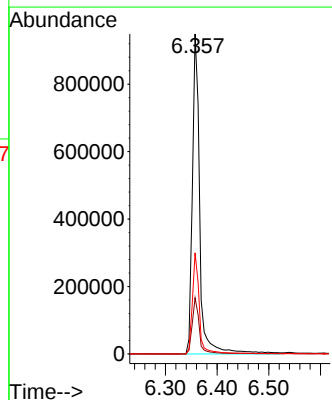
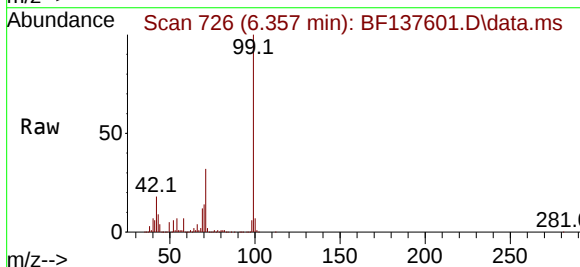
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Tgt Ion:112 Resp: 710394
Ion Ratio Lower Upper
112 100
64 64.1 53.4 80.2
63 31.4 26.2 39.2



#7
Phenol-d6
Concen: 73.426 ng
RT: 6.357 min Scan# 726
Delta R.T. -0.012 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion: 99 Resp: 943168
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 31.6 25.3 37.9

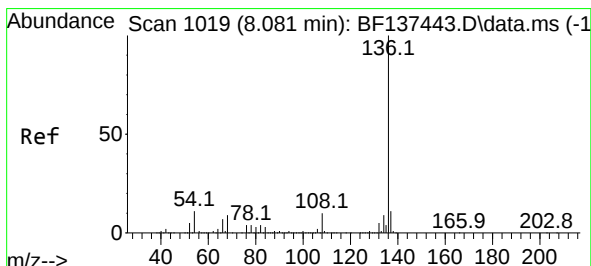
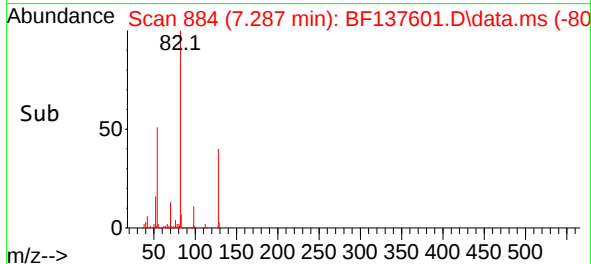
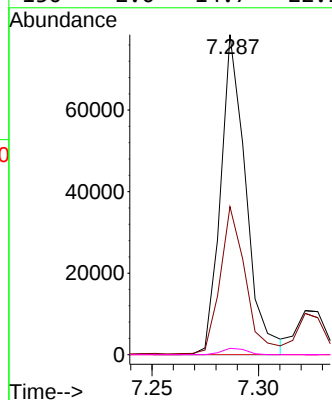
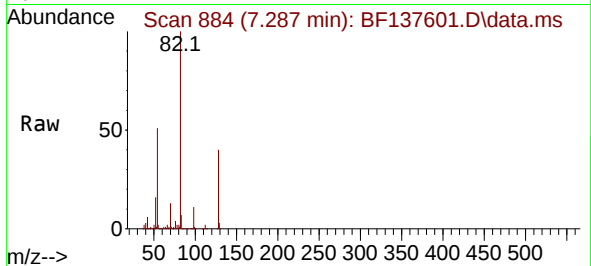




#19
n-Nitroso-di-n-propylamine
Concen: 8.148 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

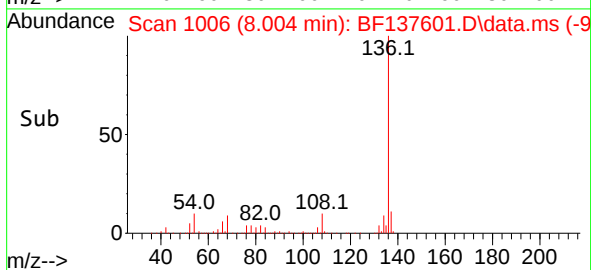
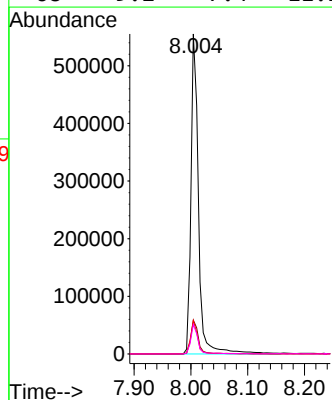
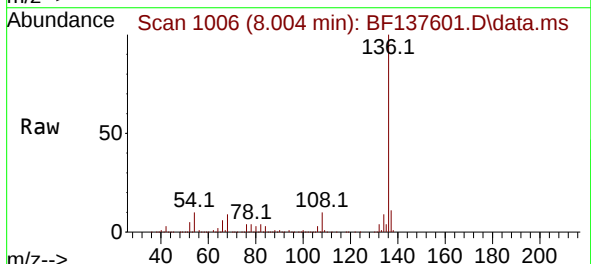
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Tgt Ion: 70	Resp: 64627
Ion Ratio	Lower Upper
70	100
42	46.3 45.2 67.8
101	0.0 7.3 10.9#
130	2.0 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: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion: 136	Resp: 510426
Ion Ratio	Lower Upper
136	100
137	10.6 9.1 13.7
54	10.4 8.5 12.7
68	9.2 7.4 11.2





#23

Nitrobenzene-d5

Concen: 50.690 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

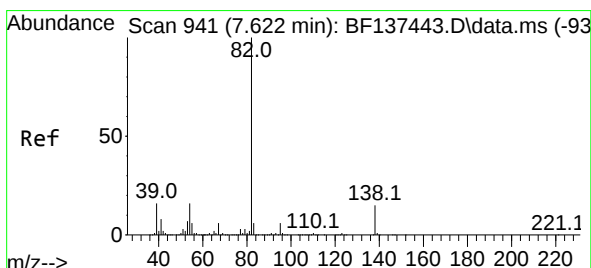
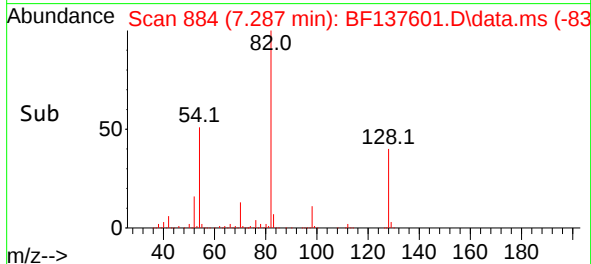
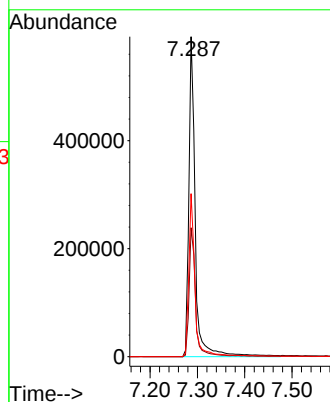
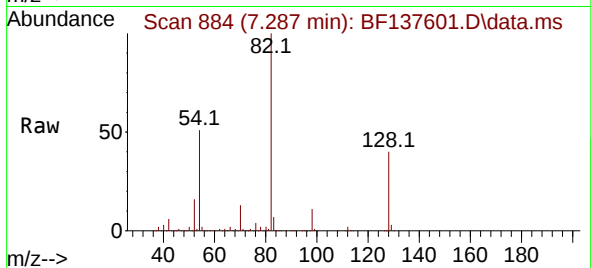
Tgt Ion: 82 Resp: 556849

Ion Ratio Lower Upper

82 100

128 40.3 32.5 48.7

54 51.0 41.5 62.3



#25

Isophorone

Concen: 26.681 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.265 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

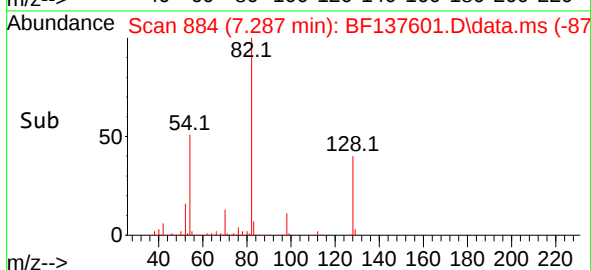
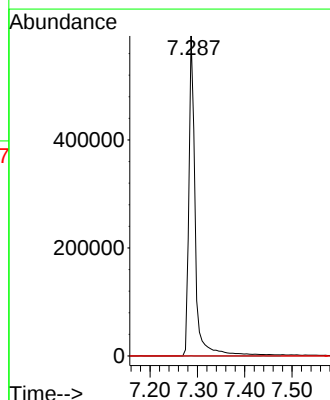
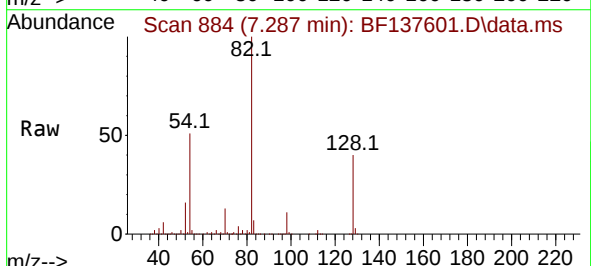
Tgt Ion: 82 Resp: 556849

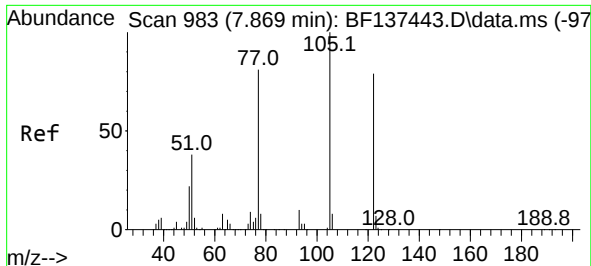
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

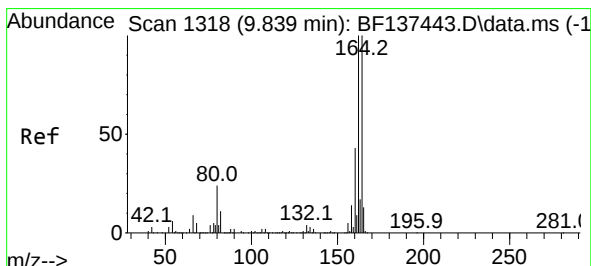
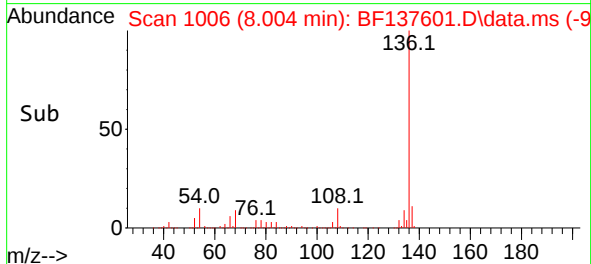
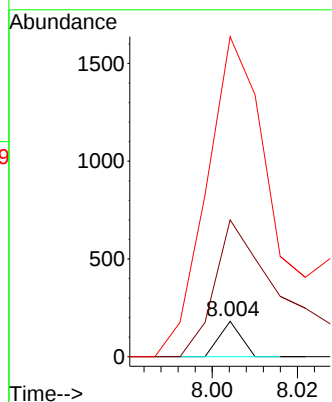
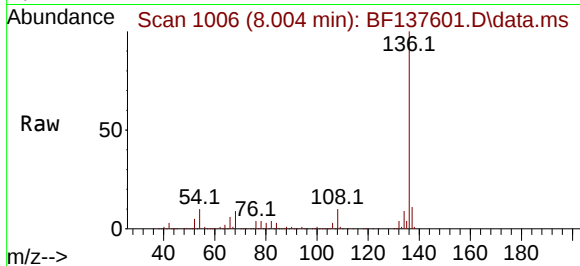




#32
Benzoic acid
Concen: 6.310 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.206 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

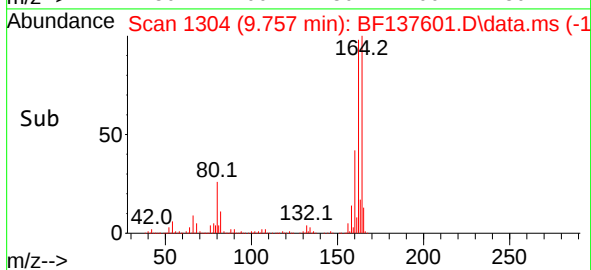
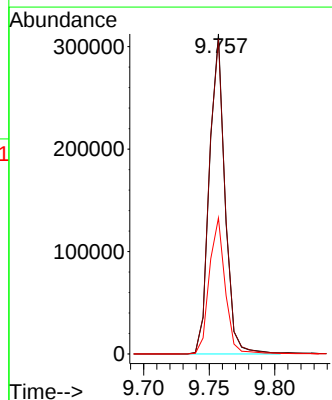
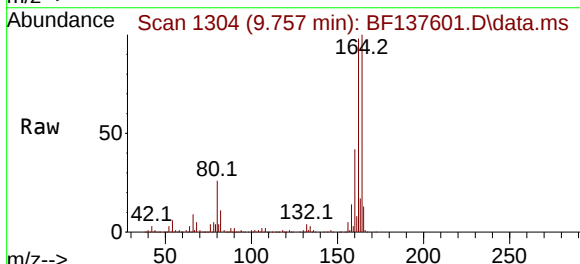
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Tgt Ion:122 Resp: 64
Ion Ratio Lower Upper
122 100
105 386.7 102.4 142.4#
77 904.4 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: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:164 Resp: 256541
Ion Ratio Lower Upper
164 100
162 98.3 79.8 119.8
160 42.5 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 72.756 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

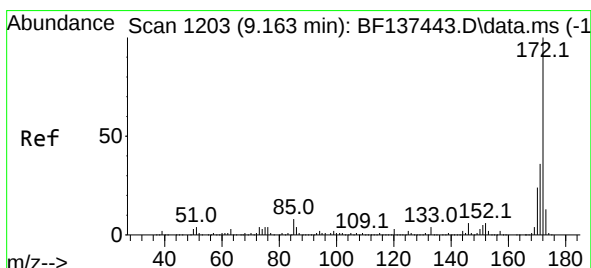
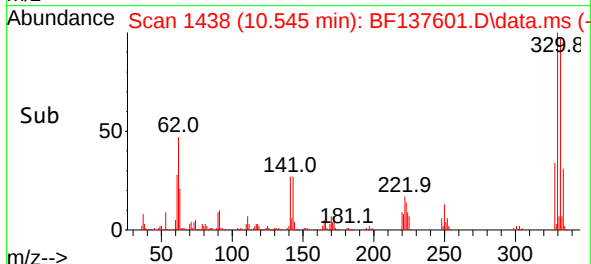
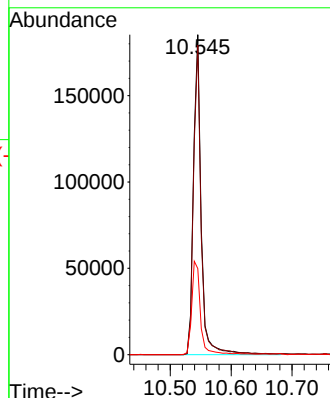
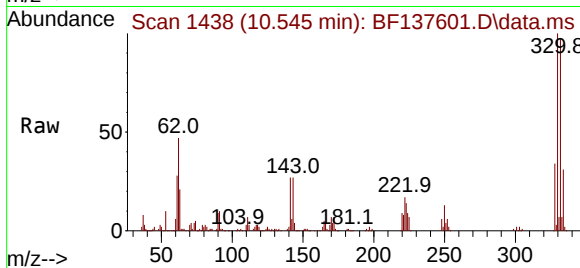
Tgt Ion:330 Resp: 163911

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 33.3 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 54.166 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

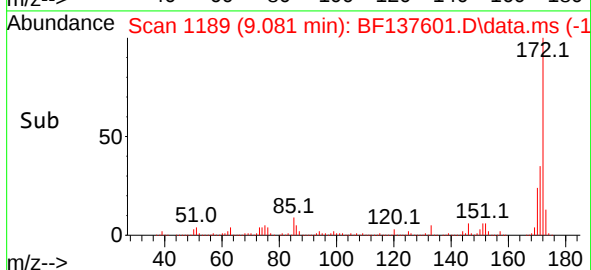
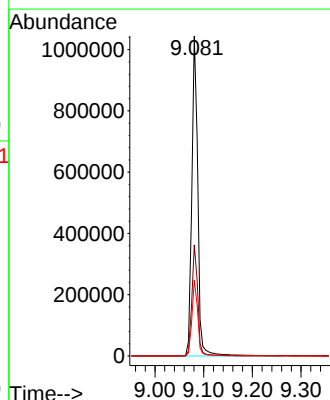
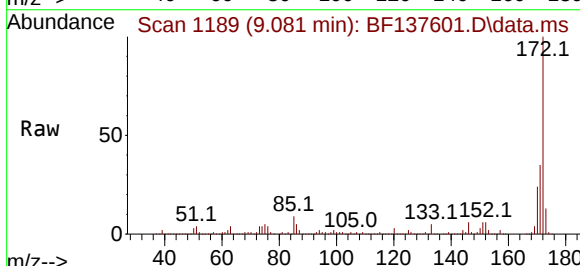
Tgt Ion:172 Resp: 887699

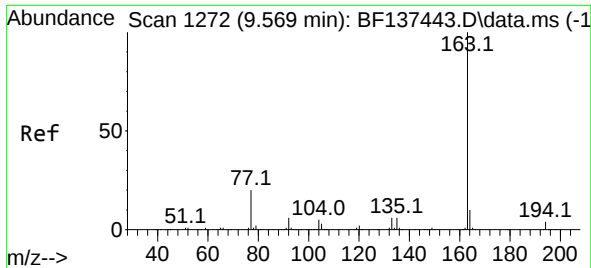
Ion Ratio Lower Upper

172 100

171 34.7 28.5 42.7

170 23.8 19.0 28.6

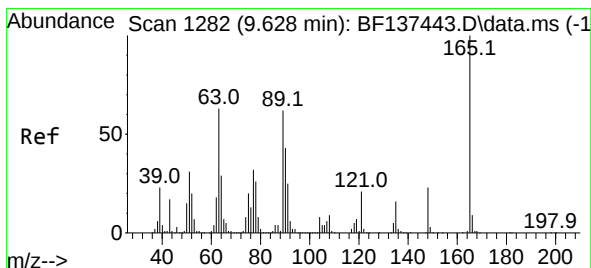
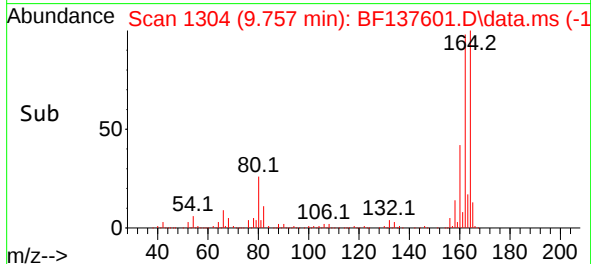
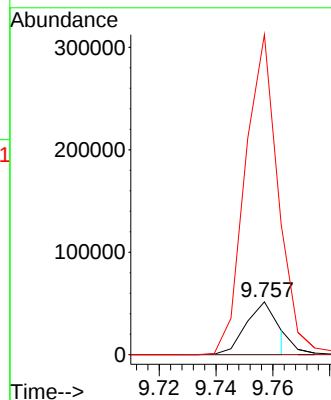
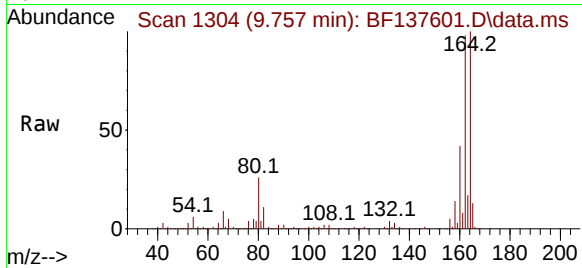




#50
Dimethylphthalate
Concen: 2.261 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

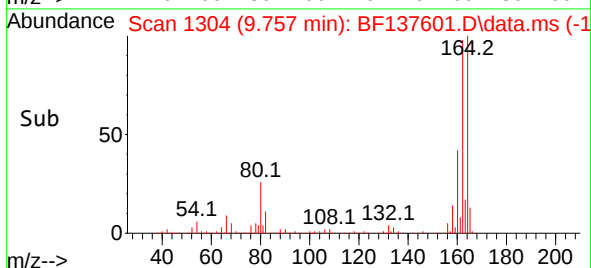
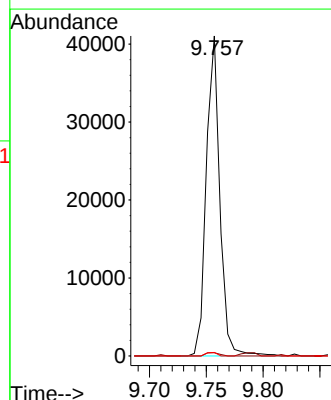
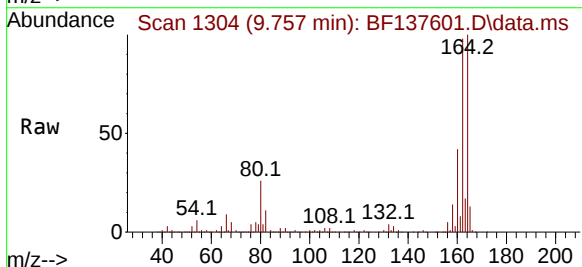
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

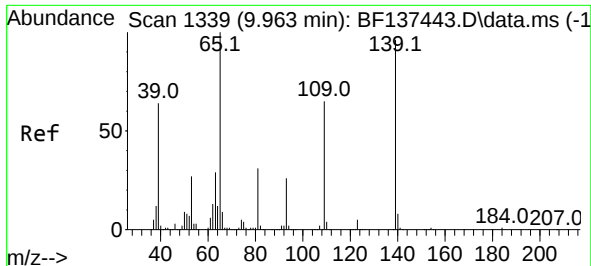
Tgt Ion:163 Resp: 40375
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 605.0 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.090 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:165 Resp: 33953
Ion Ratio Lower Upper
165 100
63 1.0 50.7 76.1#
89 1.1 50.0 75.0#

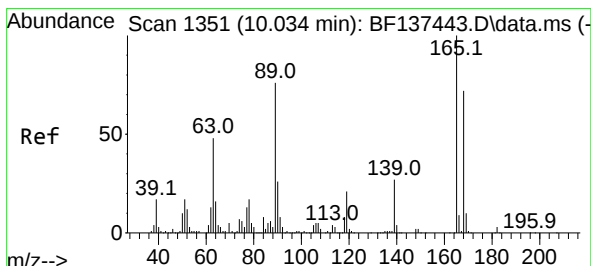
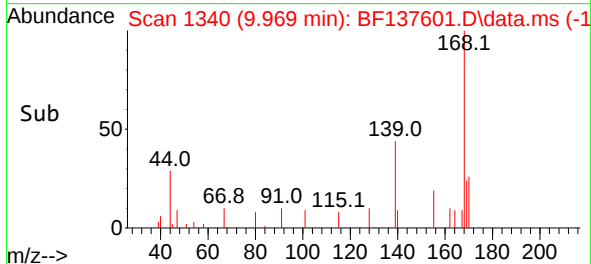
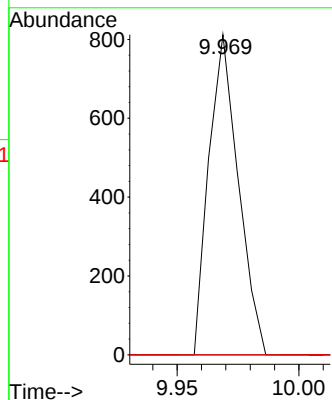
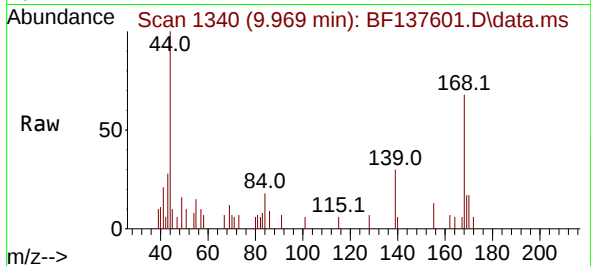




#56
4-Nitrophenol
Concen: 4.756 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

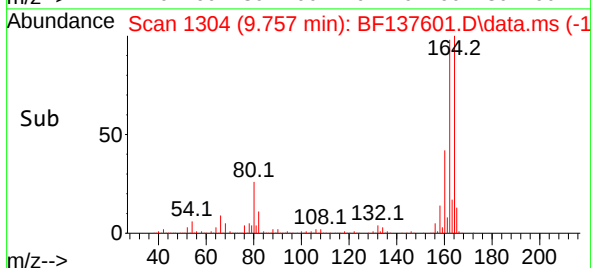
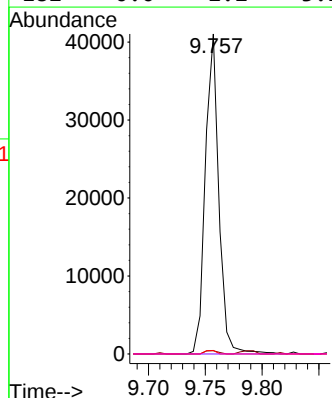
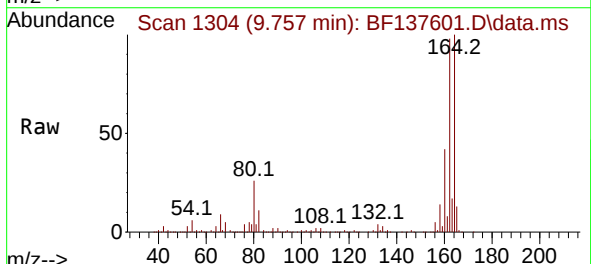
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

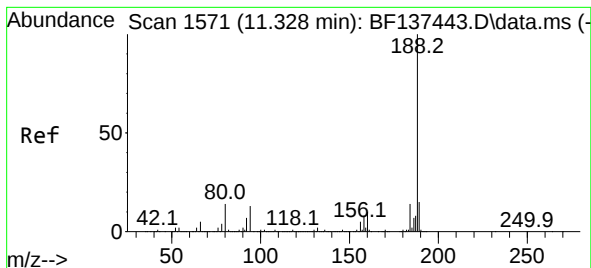
Tgt Ion:139 Resp: 685
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.399 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:165 Resp: 33953
Ion Ratio Lower Upper
165 100
63 1.0 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# 1

Delta R.T. -0.000 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

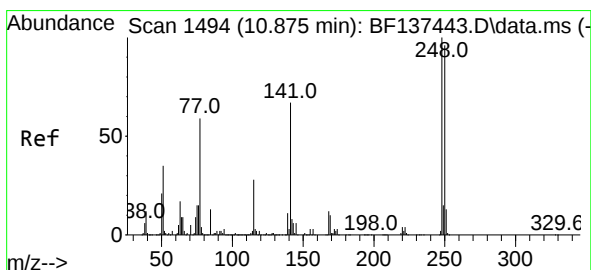
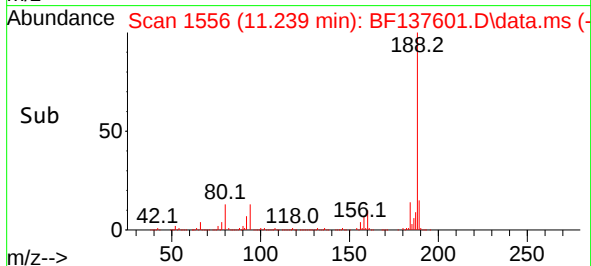
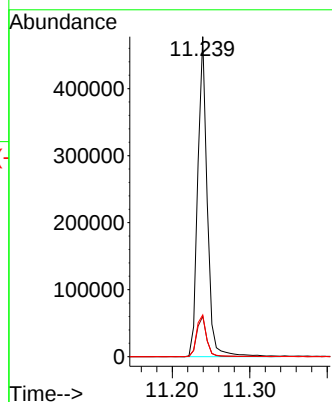
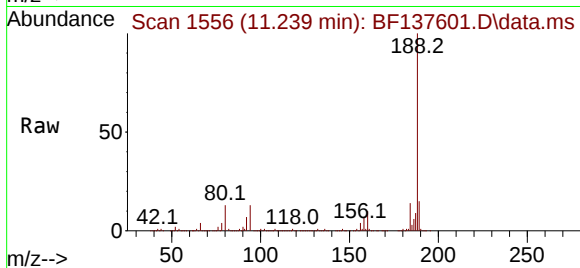
Tgt Ion:188 Resp: 405000

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: 2.430 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.247 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

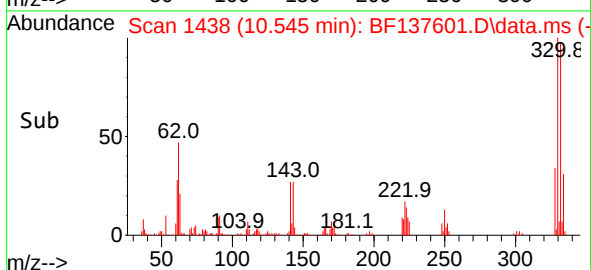
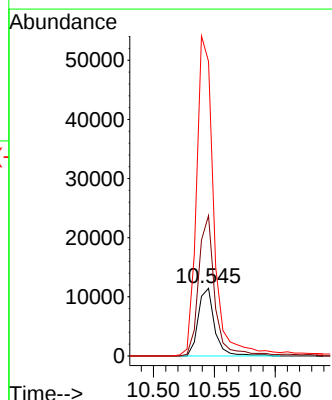
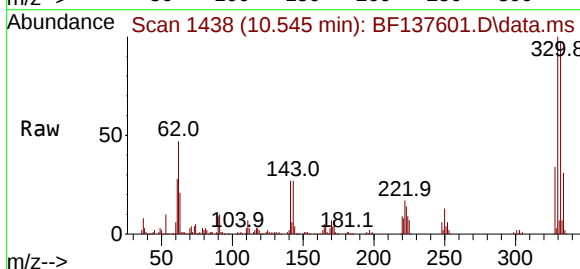
Tgt Ion:248 Resp: 10721

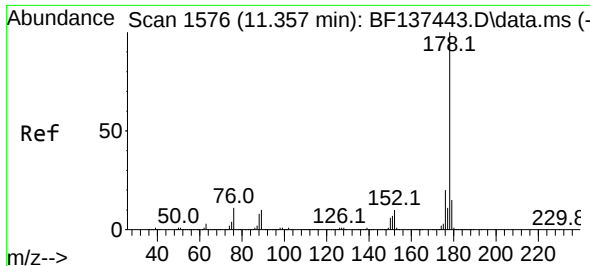
Ion Ratio Lower Upper

248 100

250 207.3 76.8 115.2#

141 435.1 53.4 80.0#

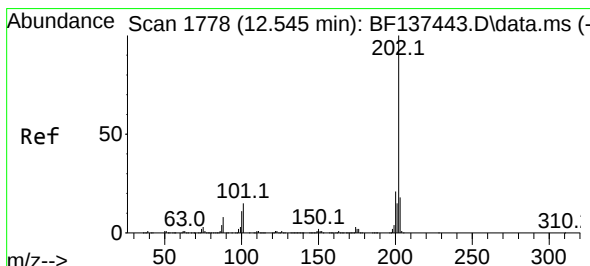
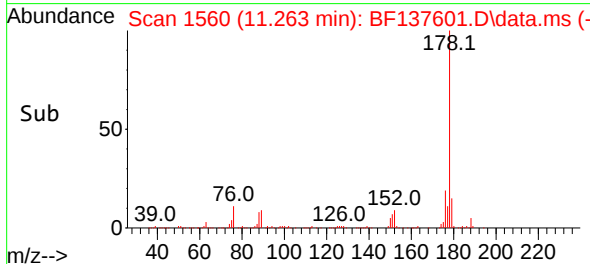
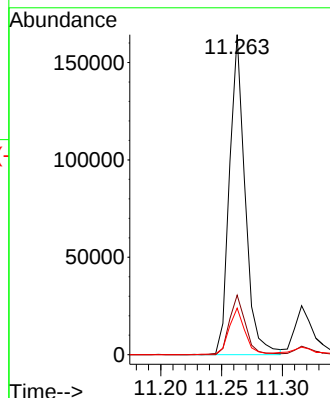
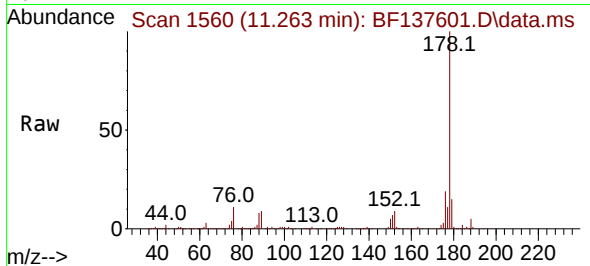




#71
Phenanthrene
Concen: 6.639 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

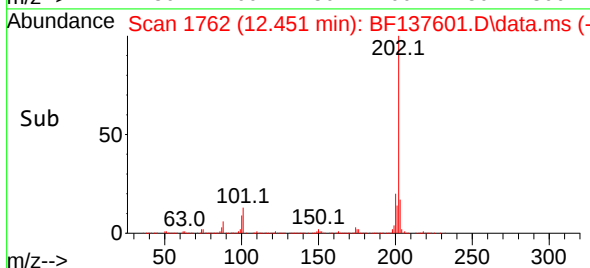
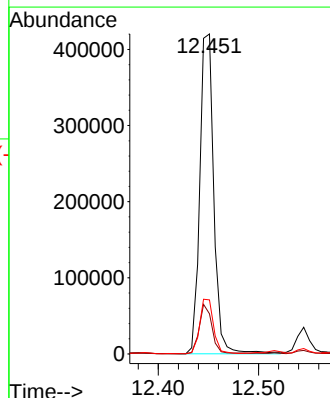
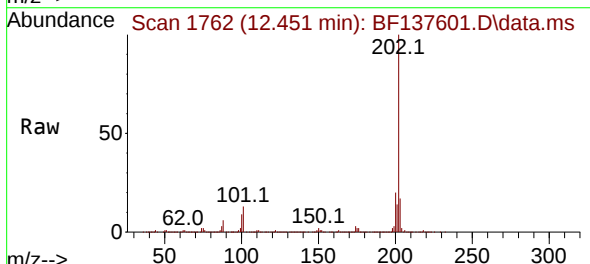
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

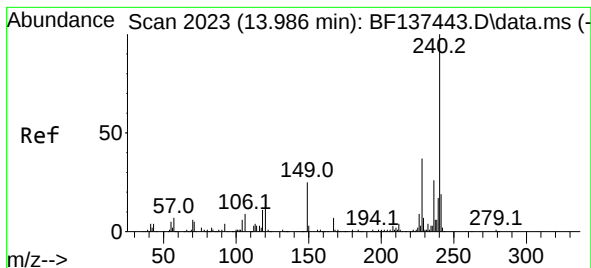
Tgt Ion:178 Resp: 146332
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.6 12.2 18.2



#75
Fluoranthene
Concen: 19.033 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:202 Resp: 410053
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.0
203 16.9 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: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

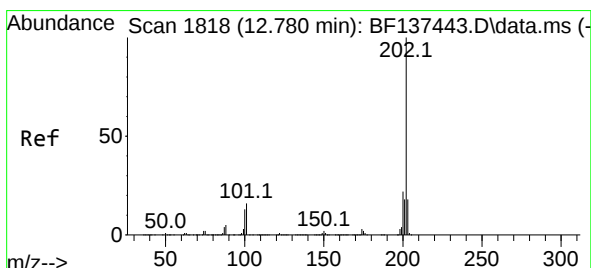
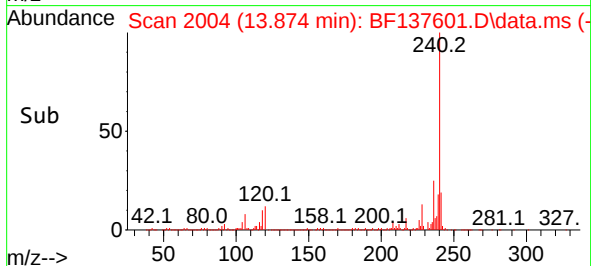
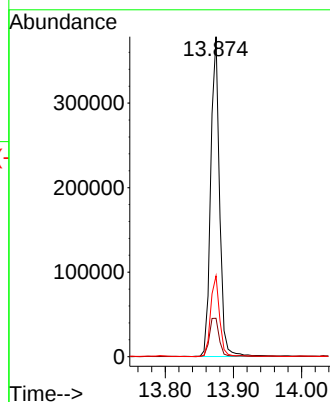
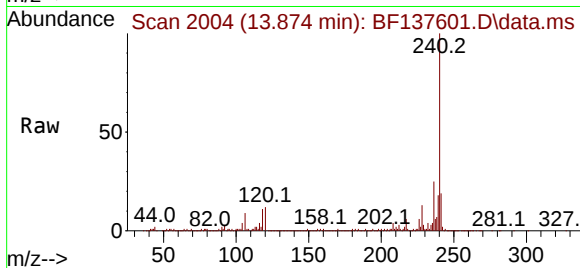
Tgt Ion:240 Resp: 342705

Ion Ratio Lower Upper

240 100

120 12.0 10.4 15.6

236 25.3 20.9 31.3



#78

Pyrene

Concen: 10.982 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

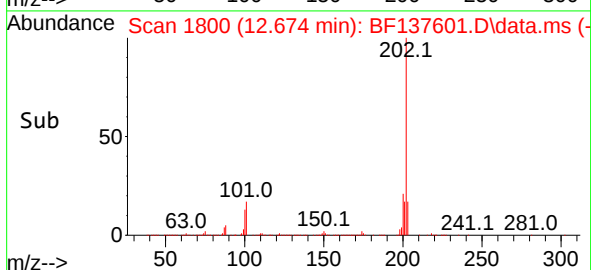
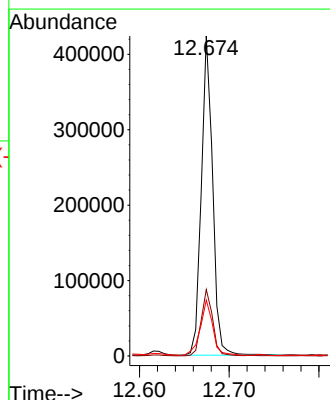
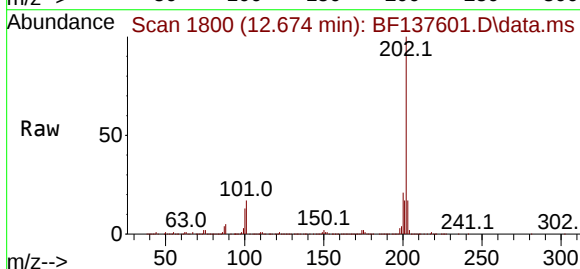
Tgt Ion:202 Resp: 369297

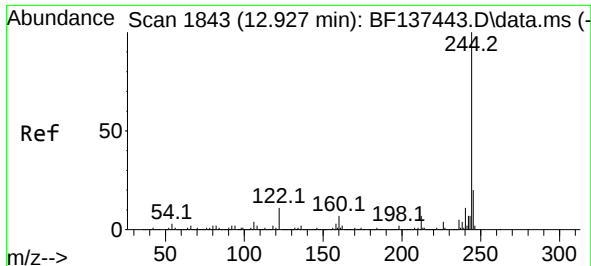
Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

203 17.5 14.1 21.1

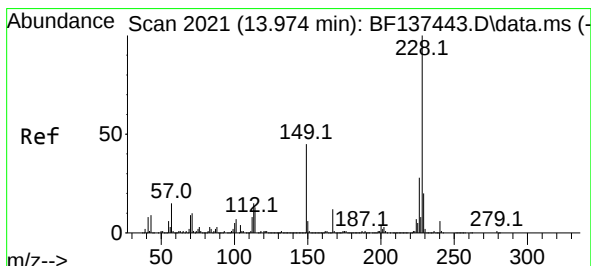
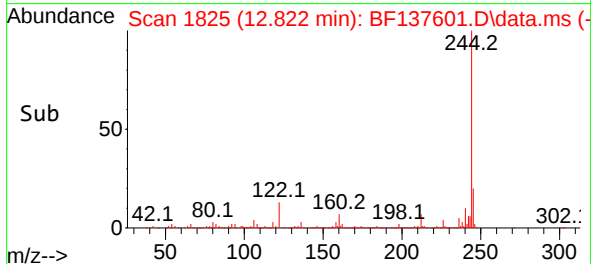
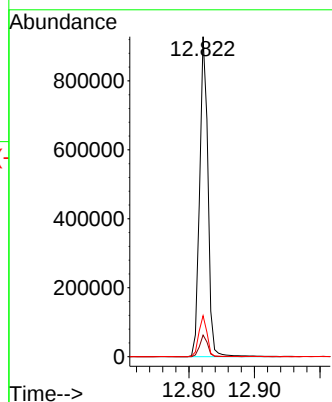
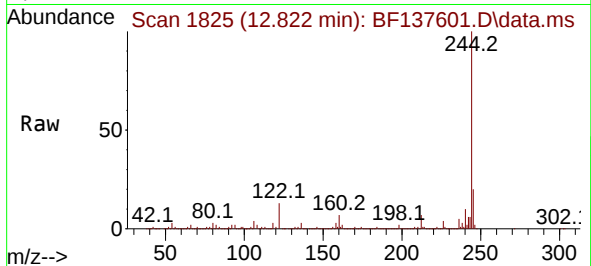




#79
 Terphenyl-d14
 Concen: 32.909 ng
 RT: 12.822 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137601.D
 Acq: 14 Mar 2024 20:26

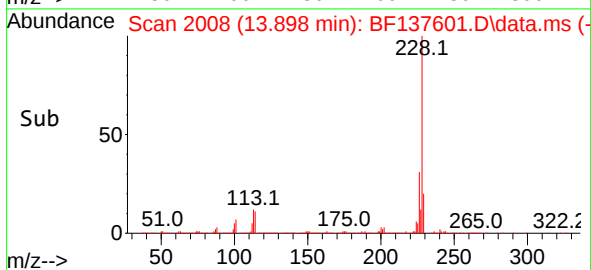
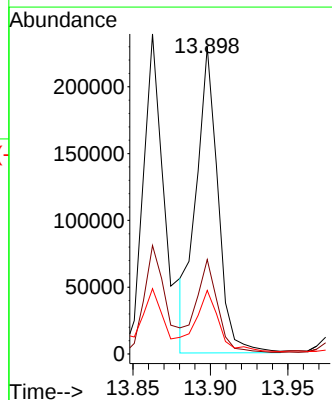
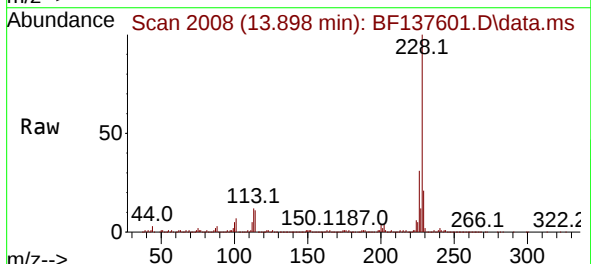
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0-DUP

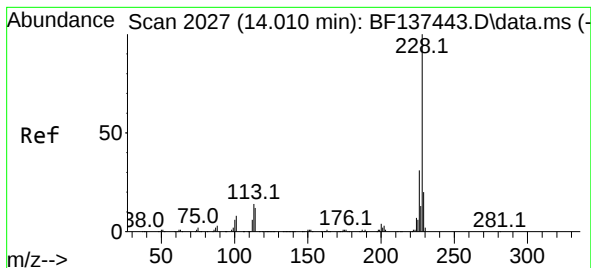
Tgt Ion:244 Resp: 820171
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 12.8 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 9.386 ng
 RT: 13.898 min Scan# 2008
 Delta R.T. 0.029 min
 Lab File: BF137601.D
 Acq: 14 Mar 2024 20:26

Tgt Ion:228 Resp: 225460
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.3 33.5
 229 20.7 16.3 24.5





#83

Chrysene

Concen: 9.287 ng

RT: 13.898 min Scan# 2107

Delta R.T. -0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

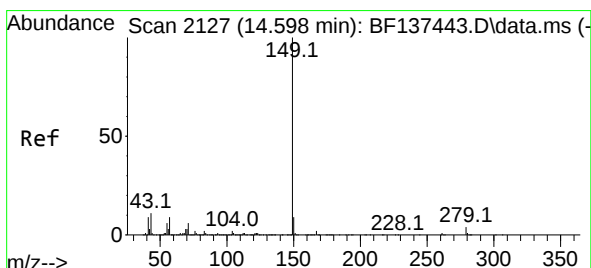
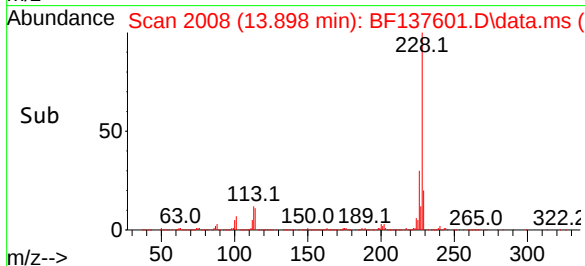
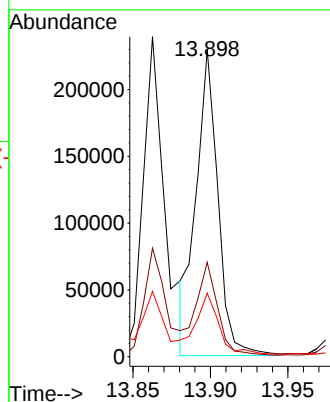
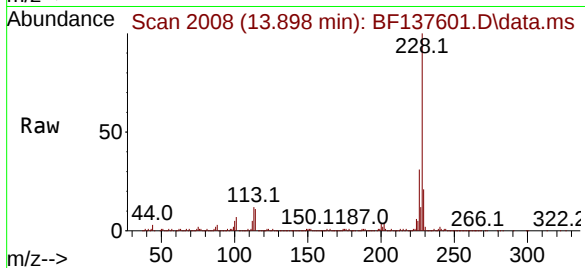
Tgt Ion:228 Resp: 225460

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 20.7 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.663 ng

RT: 14.480 min Scan# 2107

Delta R.T. 0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

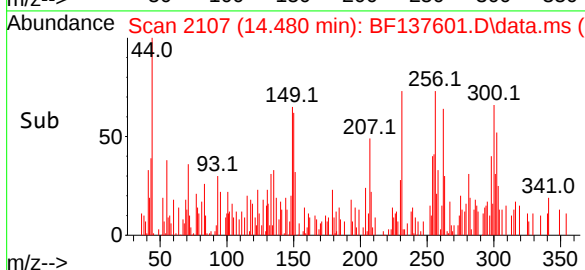
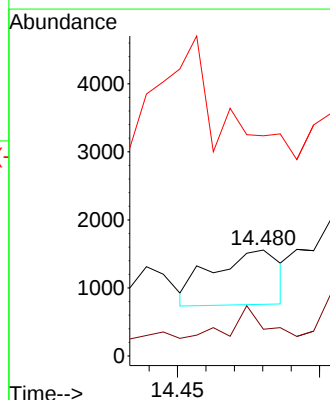
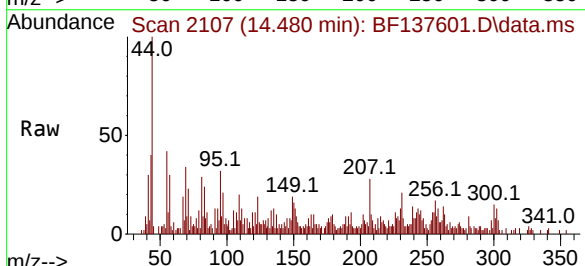
Tgt Ion:149 Resp: 1327

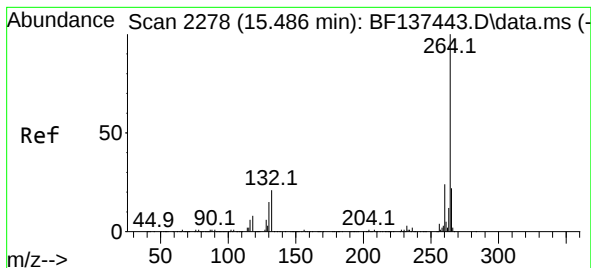
Ion Ratio Lower Upper

149 100

167 27.5 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: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

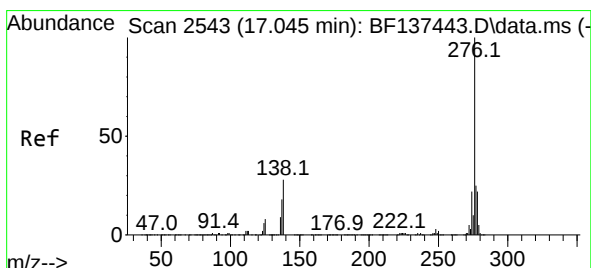
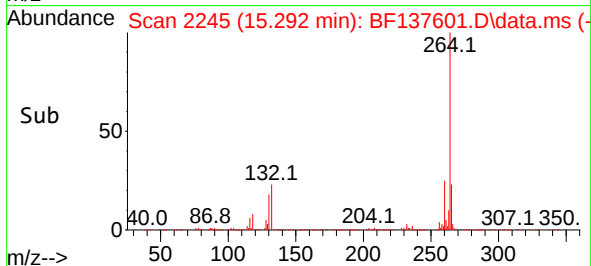
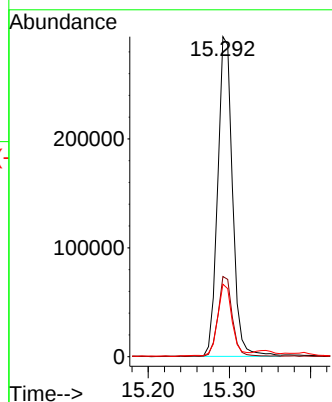
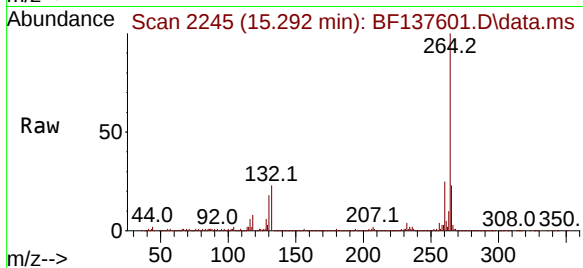
Tgt Ion:264 Resp: 373013

Ion Ratio Lower Upper

264 100

260 25.1 19.3 28.9

265 22.7 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.150 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.012 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

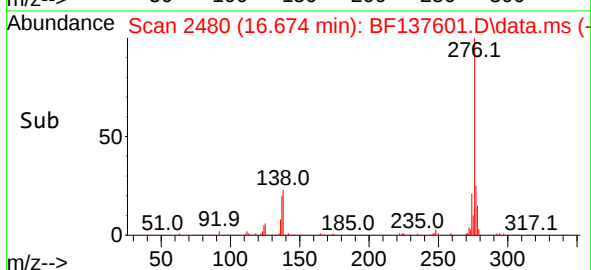
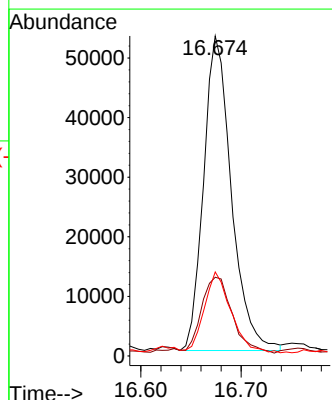
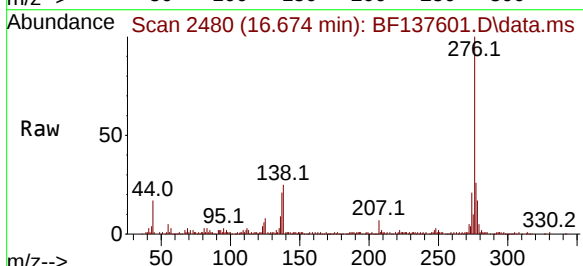
Tgt Ion:276 Resp: 101878

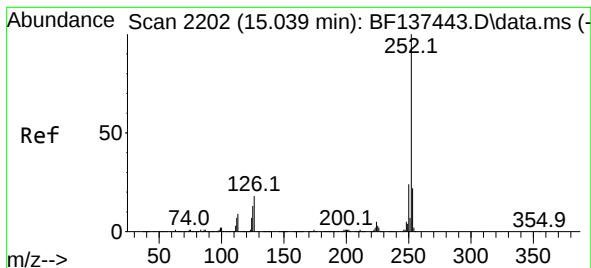
Ion Ratio Lower Upper

276 100

138 27.8 25.8 38.8

277 24.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 18.841 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

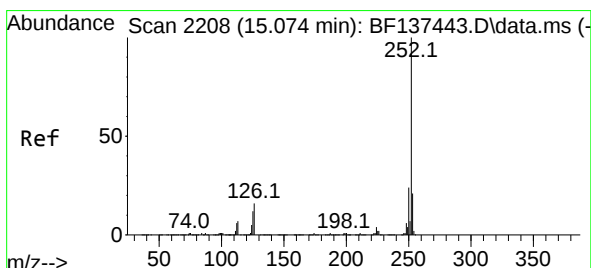
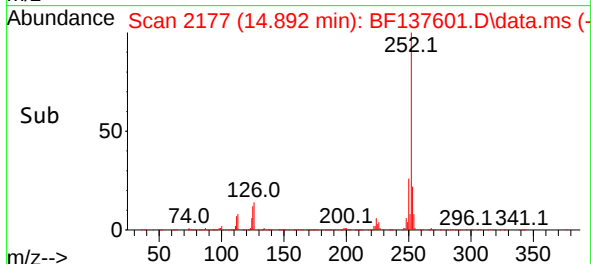
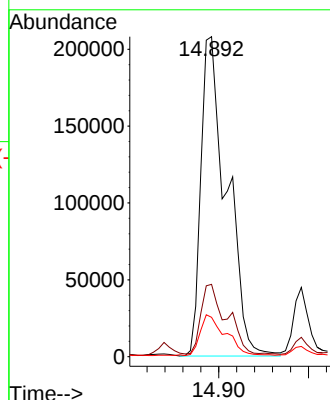
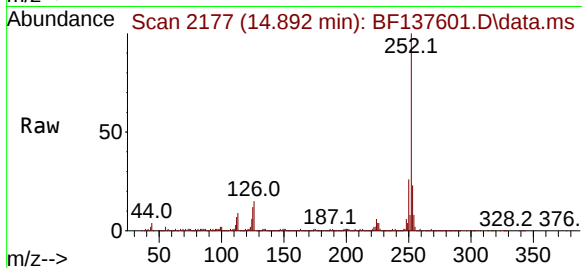
Tgt Ion:252 Resp: 415734

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 12.3 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 17.541 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

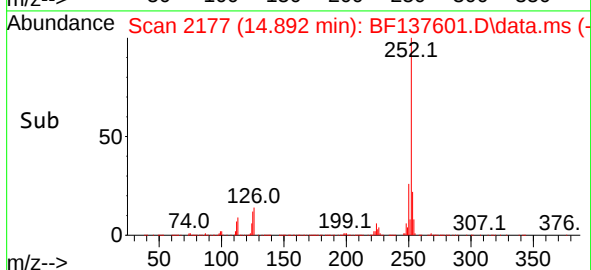
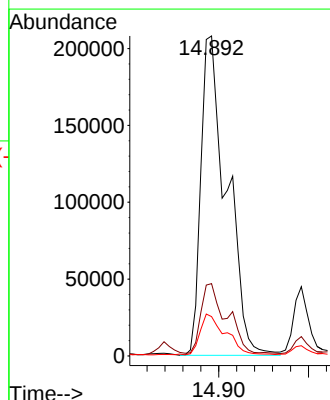
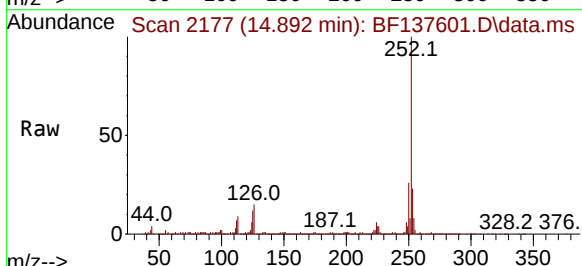
Tgt Ion:252 Resp: 415734

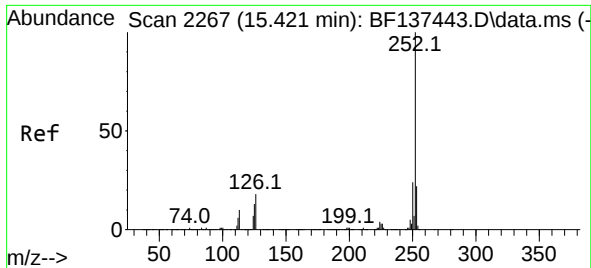
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 12.3 9.6 14.4

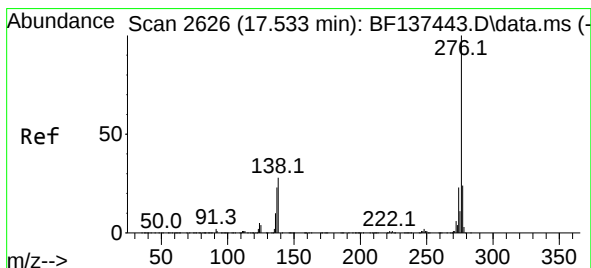
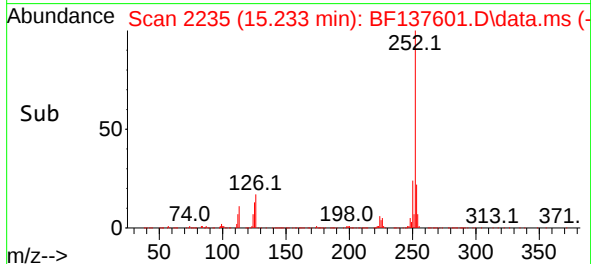
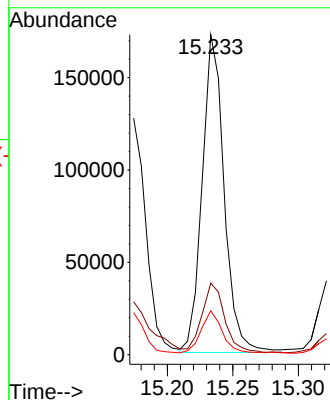
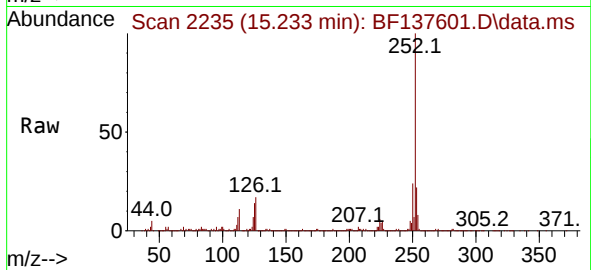




#90
Benzo(a)pyrene
Concen: 9.263 ng
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Tgt Ion:252 Resp: 201422
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.7 10.4 15.6



#92
Benzo(g,h,i)perylene
Concen: 4.438 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.012 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:276 Resp: 90763
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.4
138 26.7 22.2 33.2

