

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030824\
 Data File : BF137547.D
 Acq On : 08 Mar 2024 17:10
 Operator : CG\JU
 Sample : P1705-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 08 22:18:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 08 22:10:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

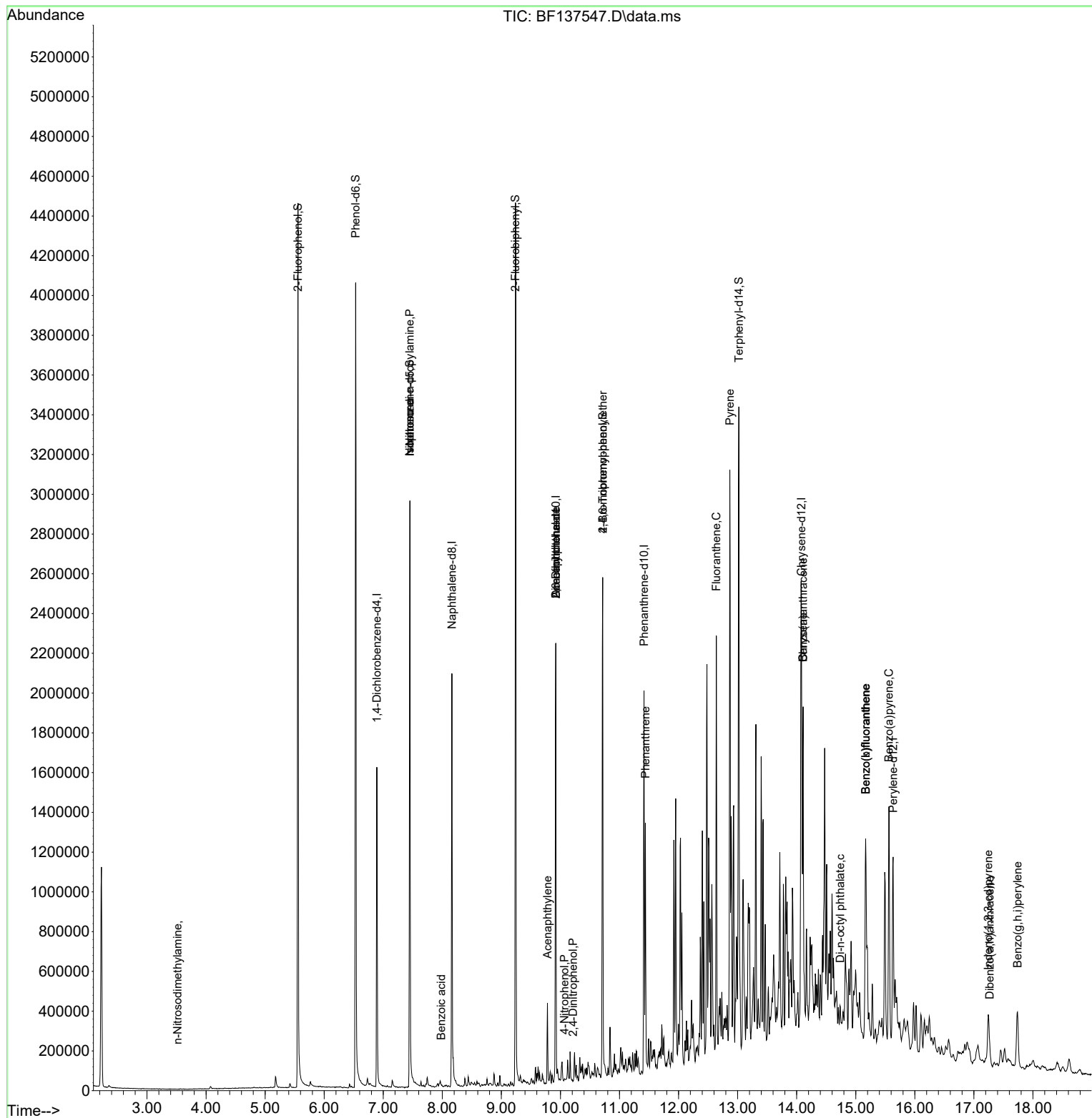
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	224611	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	864593	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	454913	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	688233	20.000	ng	0.00
76) Chrysene-d12	14.080	240	425435	20.000	ng	0.00
86) Perylene-d12	15.633	264	466018	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	1186069	79.976	ng	0.01
7) Phenol-d6	6.534	99	1638177	76.525	ng	0.00
23) Nitrobenzene-d5	7.451	82	984440	52.905	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	300657	75.260	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1447341	49.803	ng	0.00
79) Terphenyl-d14	13.021	244	1072938	34.680	ng	0.00
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.516	42	268	3.840	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	127328	9.632	ng	# 80
25) Isophorone	7.451	82	984440	27.847	ng	# 69
32) Benzoic acid	7.981	122	67	6.306	ng	# 1
49) Acenaphthylene	9.780	152	154451	3.802	ng	99
50) Dimethylphthalate	9.922	163	75767	2.393	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	60606	9.150	ng	# 20
54) 2,4-Dinitrophenol	10.216	184	55	8.240	ng	# 1
56) 4-Nitrophenol	10.069	139	440	4.610	ng	# 57
67) 4-Bromophenyl-phenylether	10.716	248	20227	2.698	ng	# 1
71) Phenanthrene	11.439	178	407599	10.882	ng	99
75) Fluoranthene	12.639	202	706442	19.296	ng	99
78) Pyrene	12.868	202	1219469	29.212	ng	99
81) Benzo(a)anthracene	14.110	228	677954	22.736	ng	96
83) Chrysene	14.110	228	677954	22.496	ng	98
85) Di-n-octyl phthalate	14.739	149	6872	5.839	ng	# 60
87) Indeno(1,2,3-cd)pyrene	17.245	276	181847	5.930	ng	97
88) Benzo(b)fluoranthene	15.168	252	763753	27.706	ng	100
89) Benzo(k)fluoranthene	15.168	252	763753	25.794	ng	98
90) Benzo(a)pyrene	15.562	252	557242	20.513	ng	99
91) Dibenzo(a,h)anthracene	17.268	278	59241	2.381	ng	# 91
92) Benzo(g,h,i)perylene	17.739	276	241658	9.459	ng	98

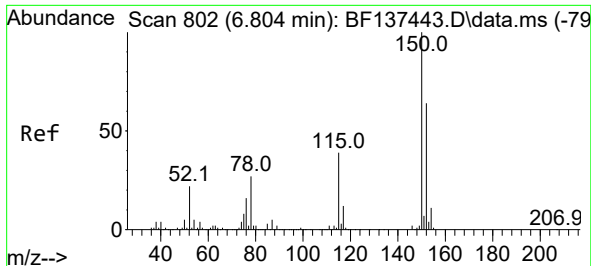
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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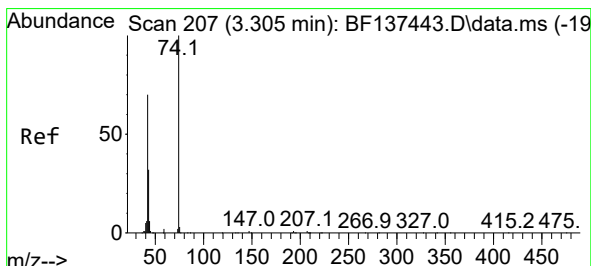
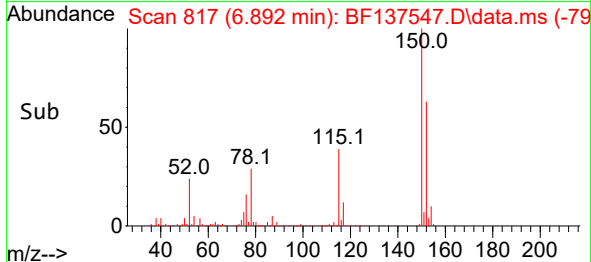
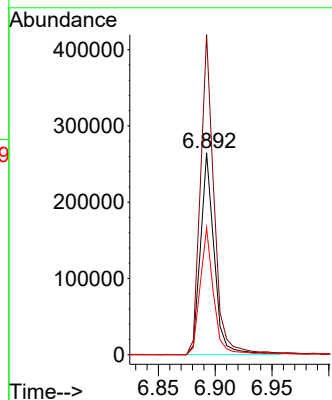
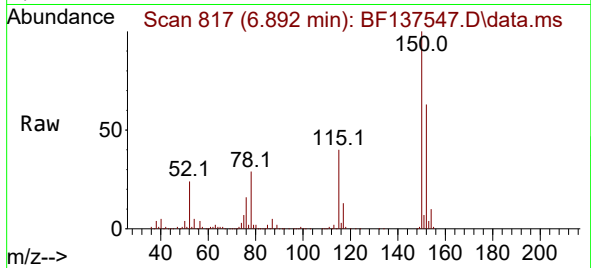




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.005 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

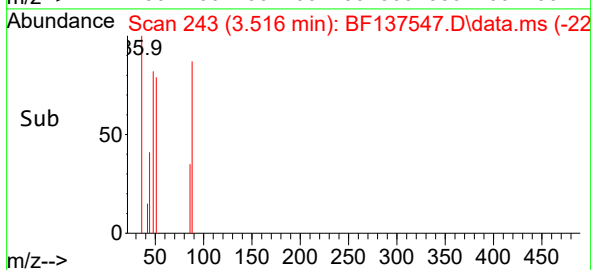
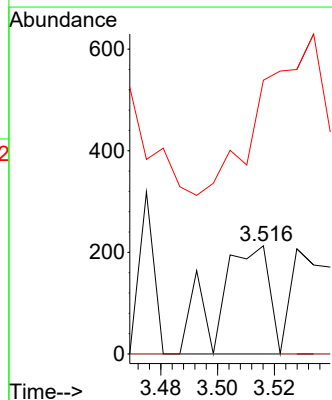
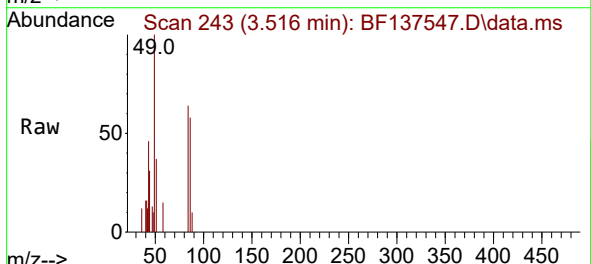
Instrument :
BNA_F
ClientSampleId :
TP-1

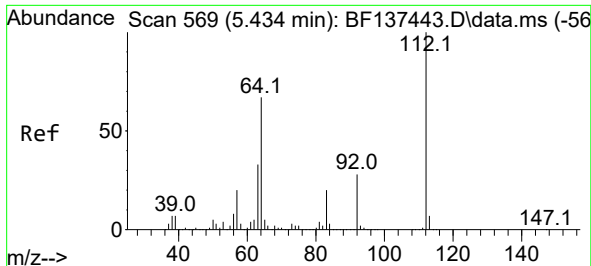
Tgt Ion:152 Resp: 224611
Ion Ratio Lower Upper
152 100
150 158.5 125.8 188.6
115 62.9 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.840 ng
RT: 3.516 min Scan# 243
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion: 42 Resp: 268
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 253.1 7.0 10.4#

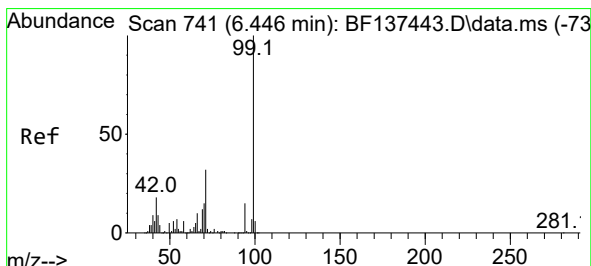
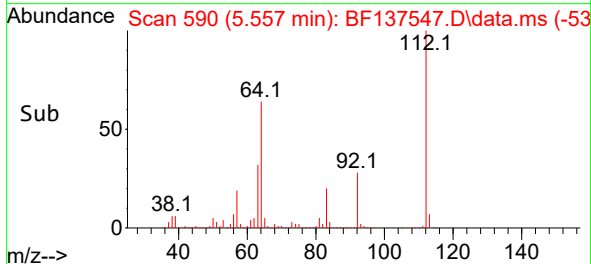
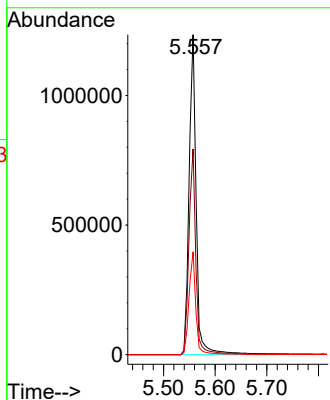
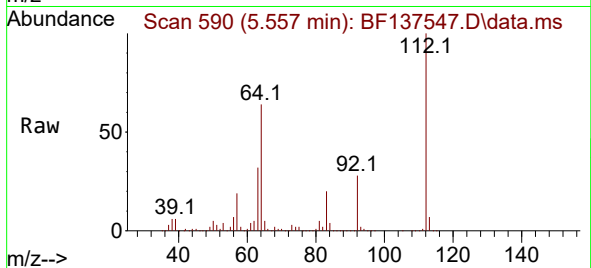




#5
2-Fluorophenol
Concen: 79.976 ng
RT: 5.557 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

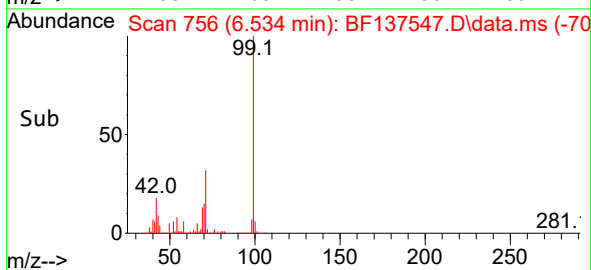
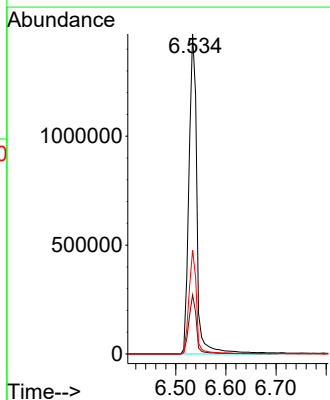
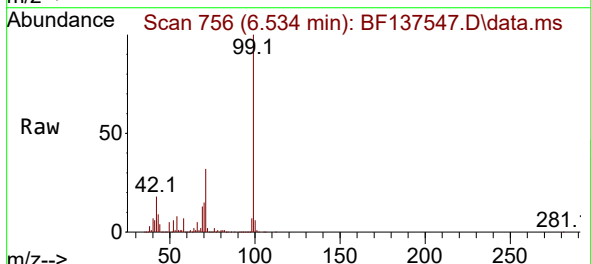
Instrument :
BNA_F
ClientSampleId :
TP-1

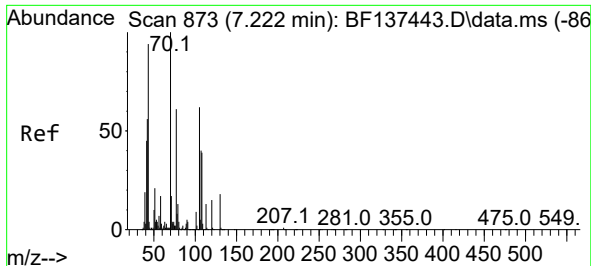
Tgt Ion:112 Resp: 1186069
Ion Ratio Lower Upper
112 100
64 64.3 53.4 80.2
63 32.2 26.2 39.2



#7
Phenol-d6
Concen: 76.525 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion: 99 Resp: 1638177
Ion Ratio Lower Upper
99 100
42 18.4 14.6 21.8
71 32.4 25.3 37.9

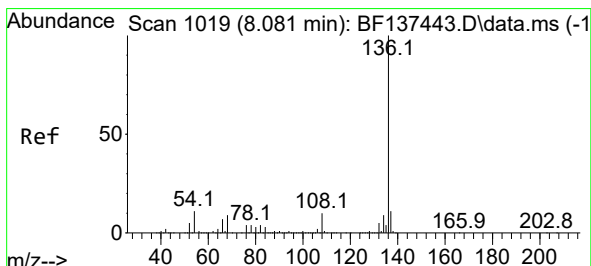
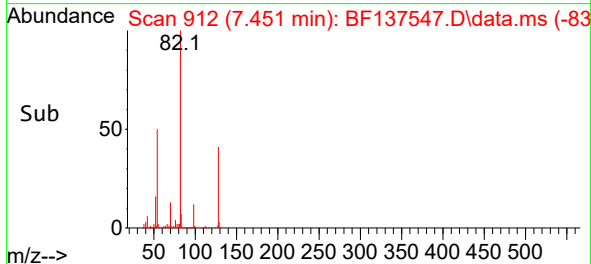
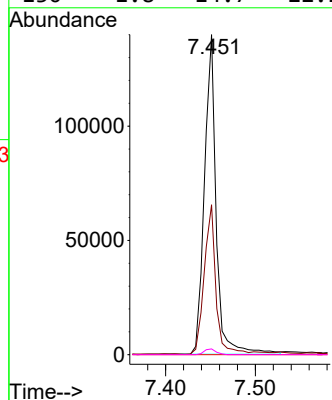
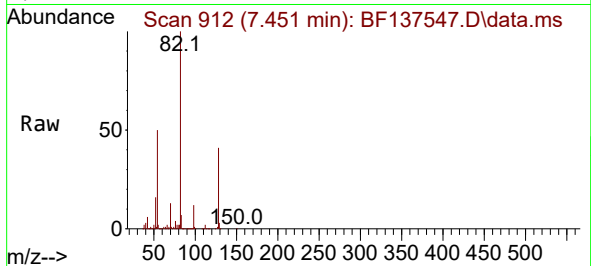




#19
n-Nitroso-di-n-propylamine
Concen: 9.632 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

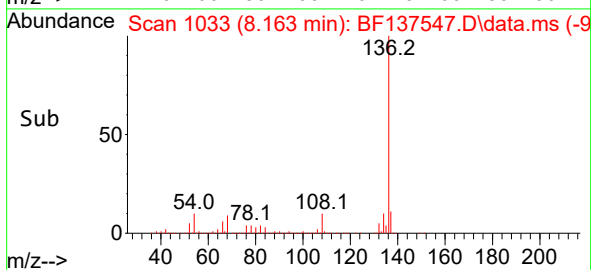
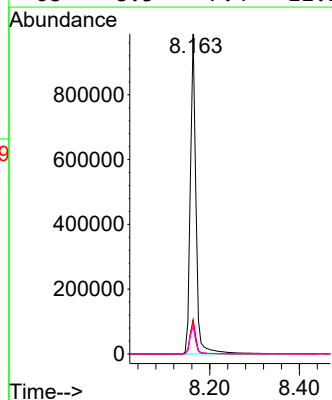
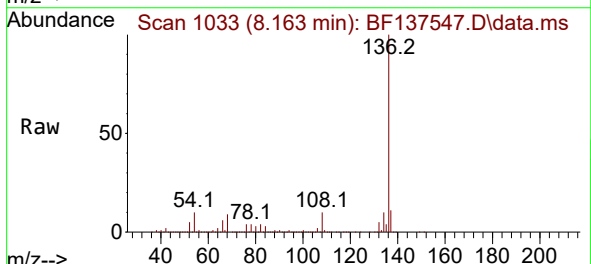
Instrument :
BNA_F
ClientSampleId :
TP-1

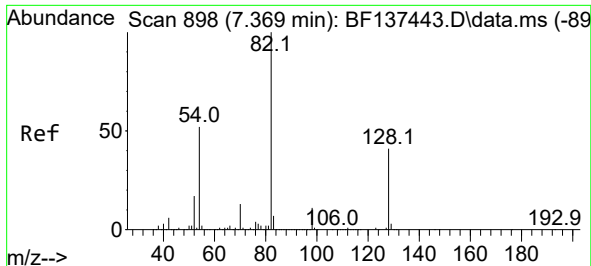
Tgt Ion: 70 Resp: 127328
Ion Ratio Lower Upper
70 100
42 46.8 45.2 67.8
101 0.0 7.3 10.9#
130 1.8 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion:136 Resp: 864593
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 10.2 8.5 12.7
68 8.5 7.4 11.2





#23

Nitrobenzene-d5

Concen: 52.905 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

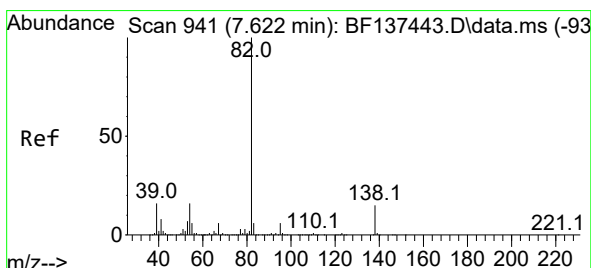
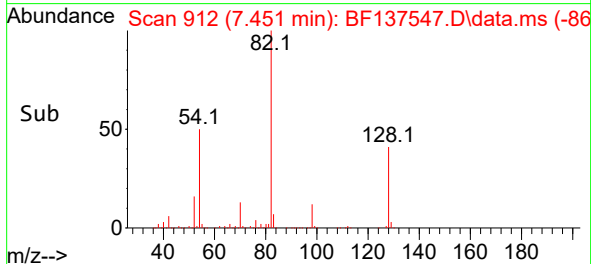
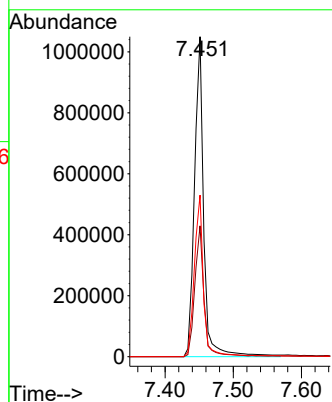
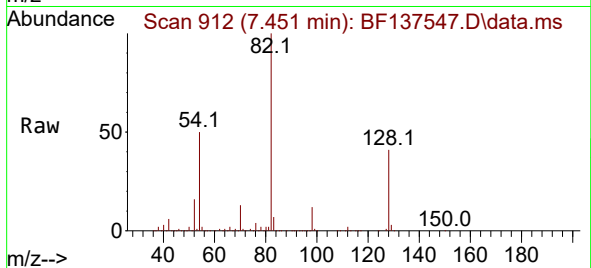
Tgt Ion: 82 Resp: 984440

Ion Ratio Lower Upper

82 100

128 40.9 32.5 48.7

54 50.5 41.5 62.3



#25

Isophorone

Concen: 27.847 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.253 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

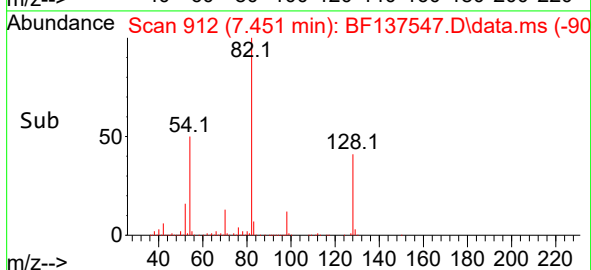
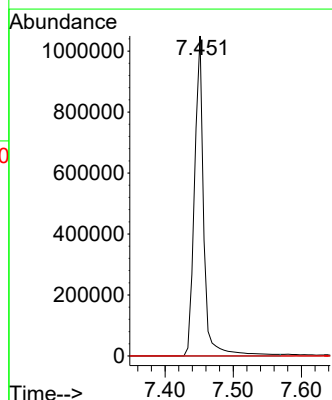
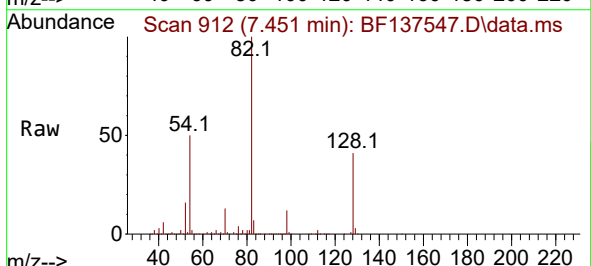
Tgt Ion: 82 Resp: 984440

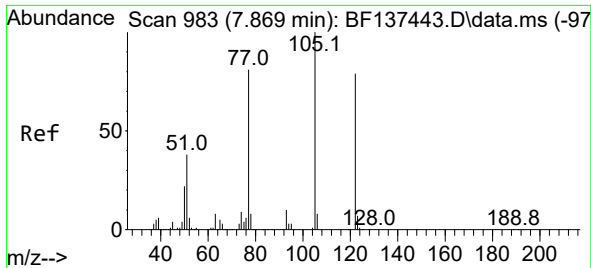
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

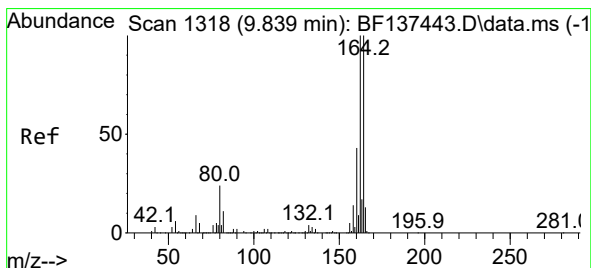
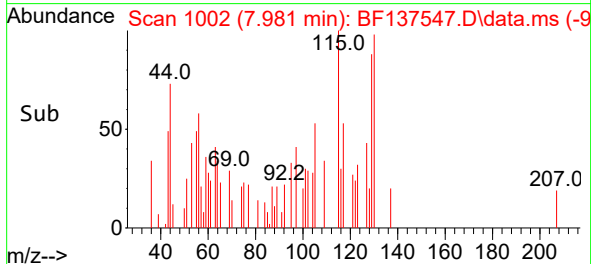
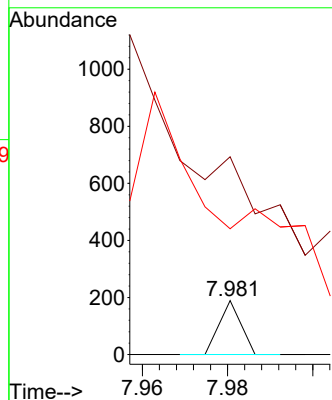
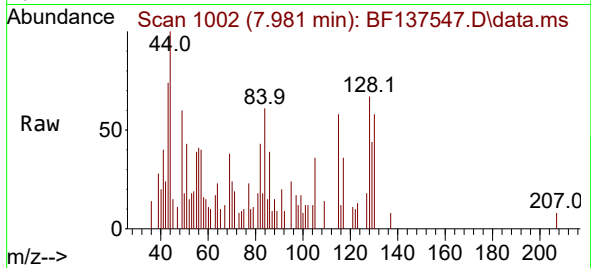




#32
Benzoic acid
Concen: 6.306 ng
RT: 7.981 min Scan# 1002
Delta R.T. 0.024 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

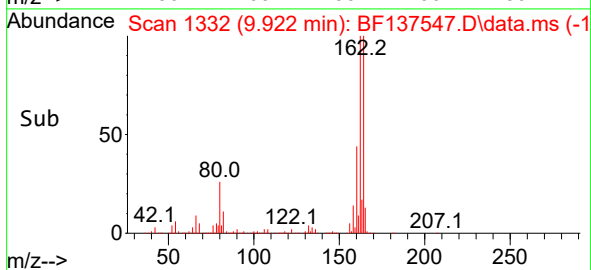
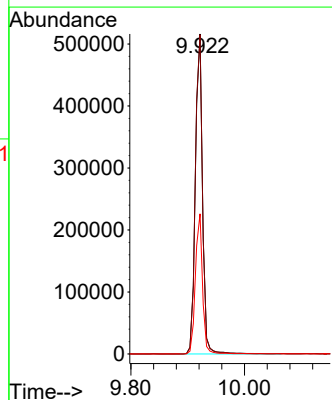
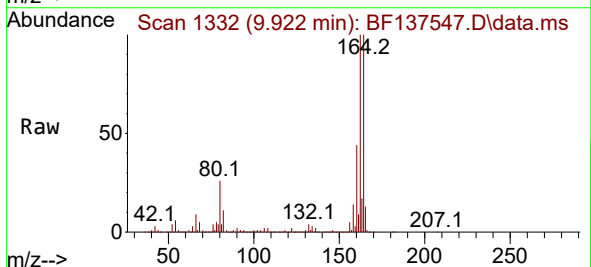
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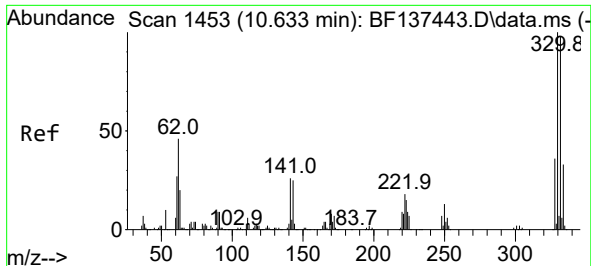
Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 366.7 102.4 142.4#
77 233.3 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion:164 Resp: 454913
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 43.8 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 75.260 ng

RT: 10.716 min Scan# 1453

Delta R.T. -0.000 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

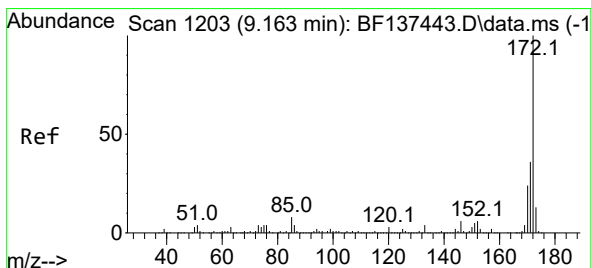
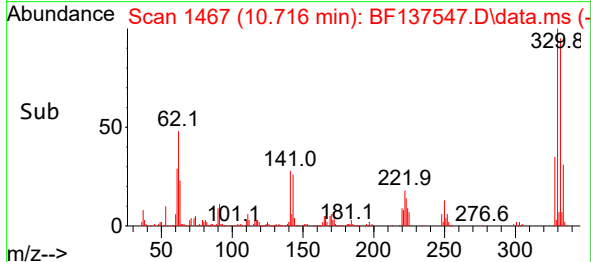
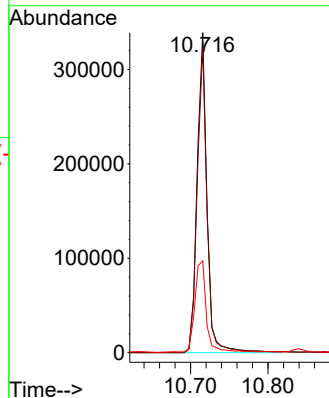
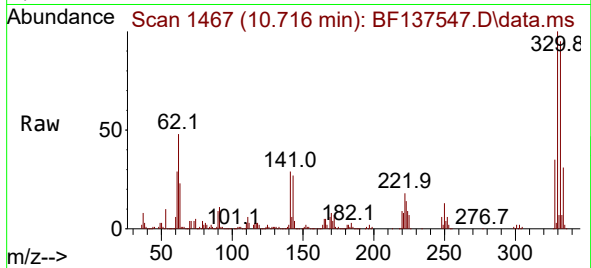
Tgt Ion:330 Resp: 300657

Ion Ratio Lower Upper

330 100

332 95.6 78.0 117.0

141 32.5 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 49.803 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

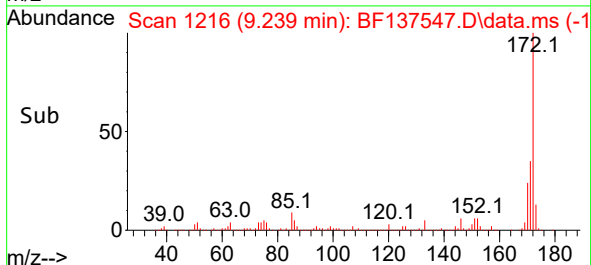
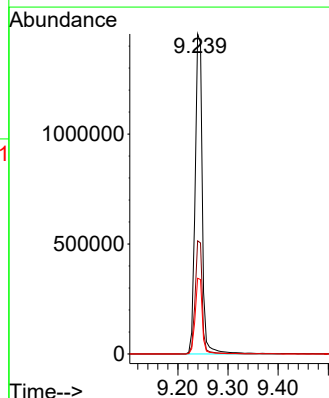
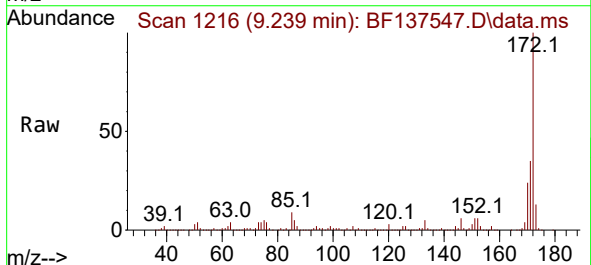
Tgt Ion:172 Resp: 1447341

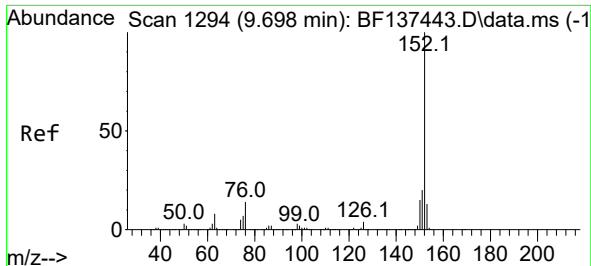
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.7 19.0 28.6





#49

Acenaphthylene

Concen: 3.802 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

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TP-1

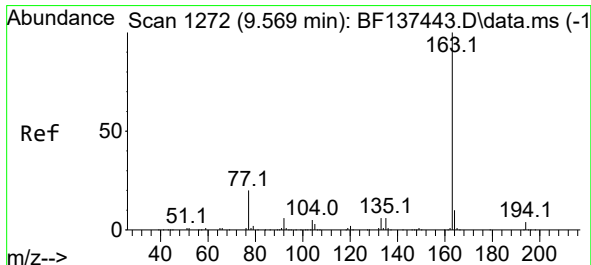
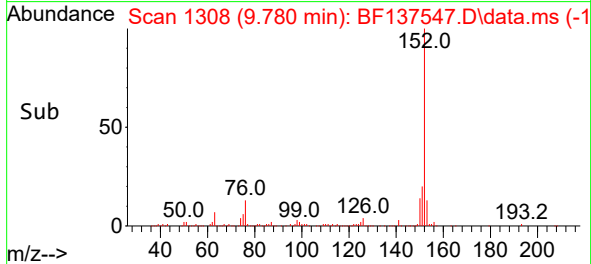
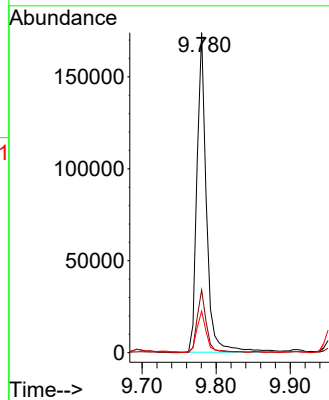
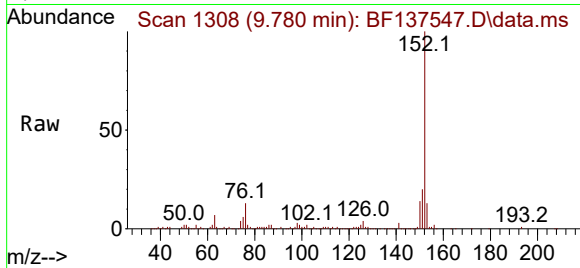
Tgt Ion:152 Resp: 154451

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

153 13.0 10.8 16.2



#50

Dimethylphthalate

Concen: 2.393 ng

RT: 9.922 min Scan# 1332

Delta R.T. 0.271 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

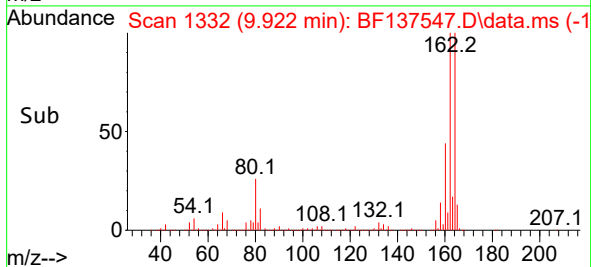
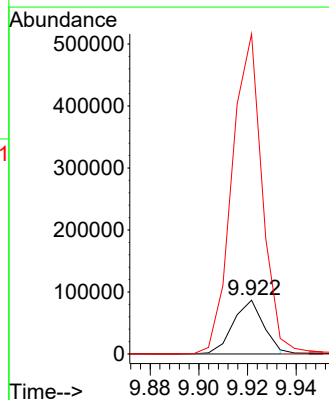
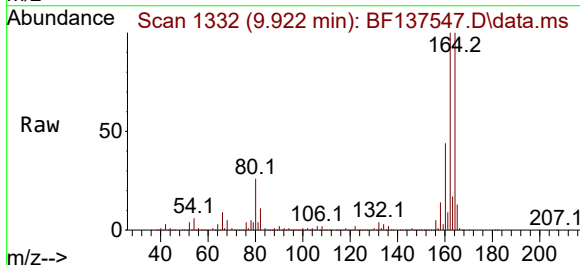
Tgt Ion:163 Resp: 75767

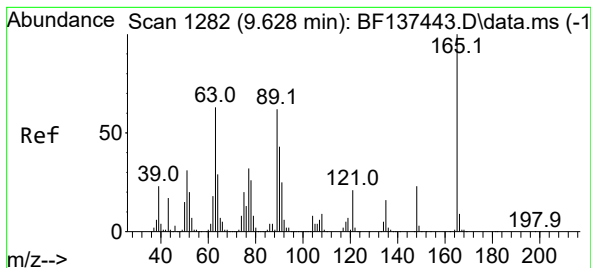
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 595.8 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 9.150 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

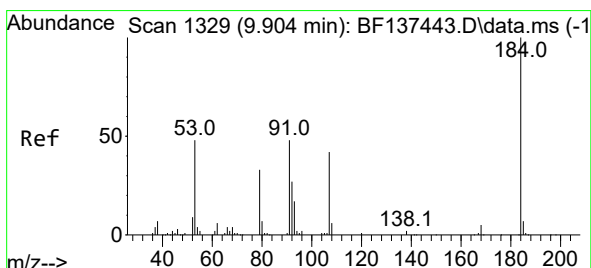
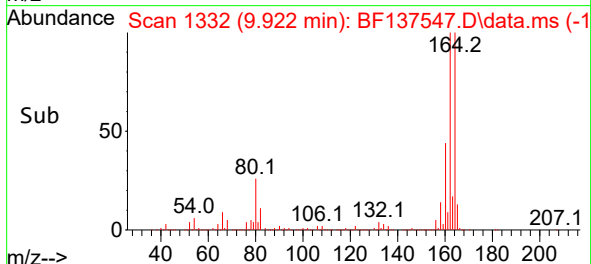
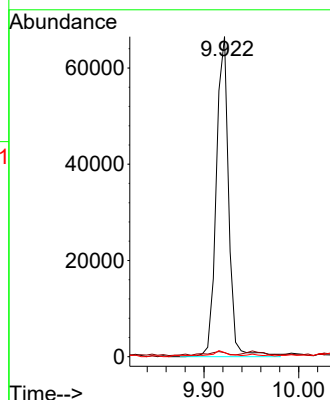
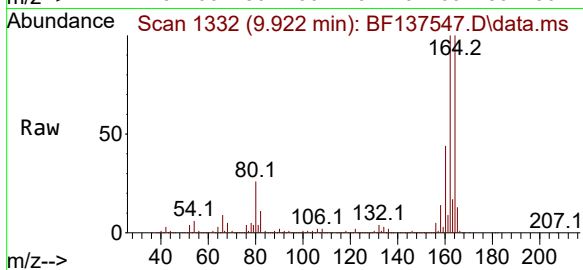
Tgt Ion:165 Resp: 60606

Ion Ratio Lower Upper

165 100

63 1.2 50.7 76.1#

89 1.3 50.0 75.0#



#54

2,4-Dinitrophenol

Concen: 8.240 ng

RT: 10.216 min Scan# 1382

Delta R.T. 0.229 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

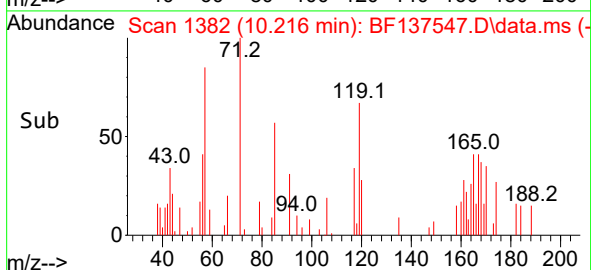
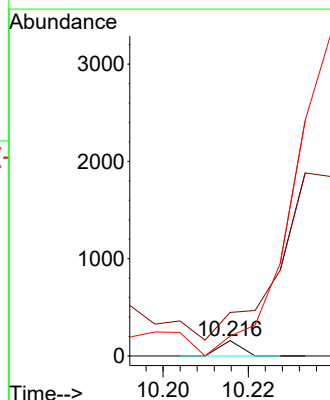
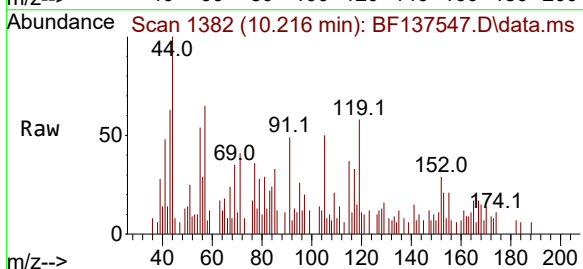
Tgt Ion:184 Resp: 55

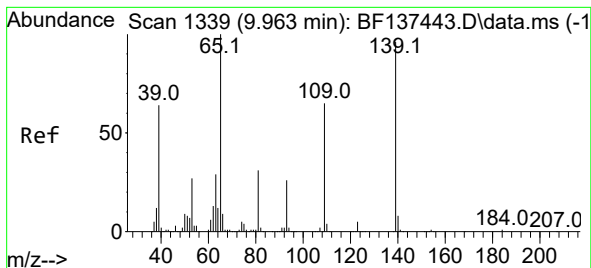
Ion Ratio Lower Upper

184 100

63 285.4 53.3 79.9#

154 129.9 47.4 71.0#





#56

4-Nitrophenol

Concen: 4.610 ng

RT: 10.069 min Scan# 11

Delta R.T. 0.024 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

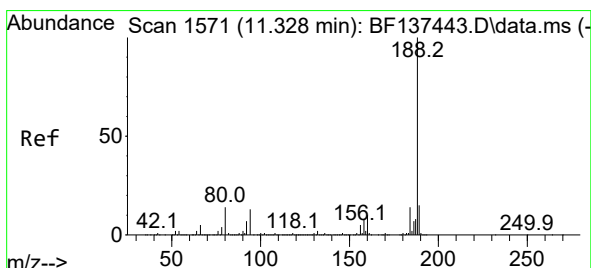
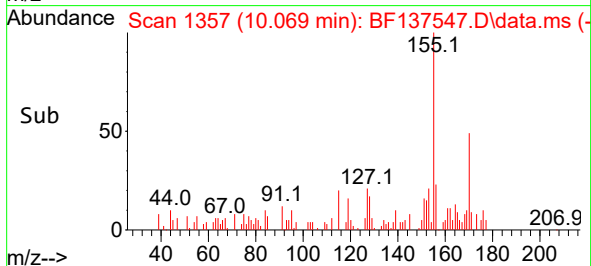
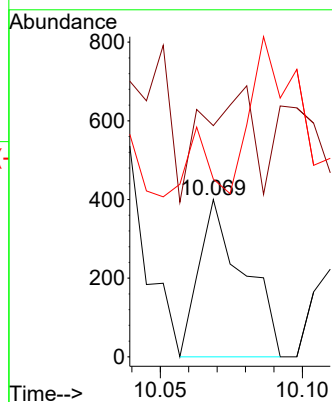
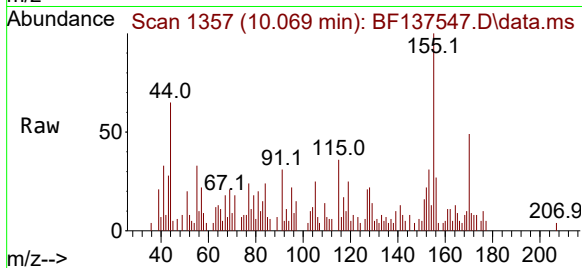
Tgt Ion:139 Resp: 440

Ion Ratio Lower Upper

139 100

109 147.0 47.1 87.1#

65 113.0 85.1 125.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

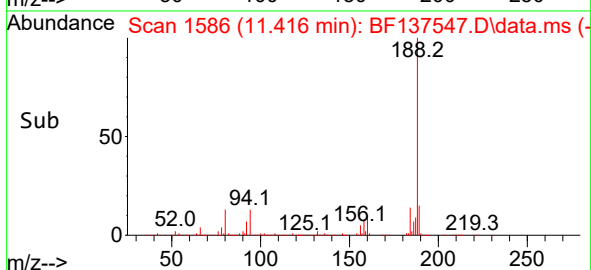
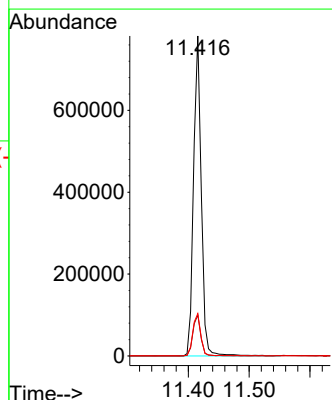
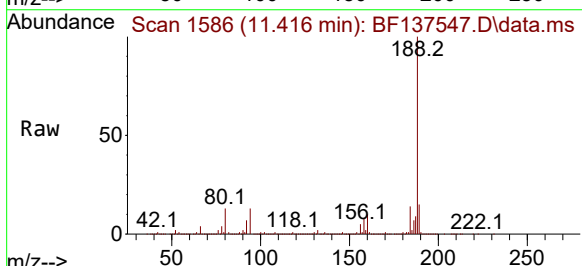
Tgt Ion:188 Resp: 688233

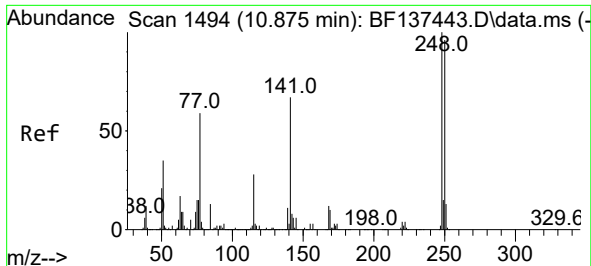
Ion Ratio Lower Upper

188 100

94 12.8 10.6 15.8

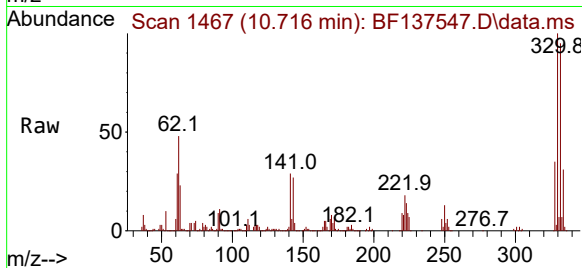
80 13.2 11.5 17.3



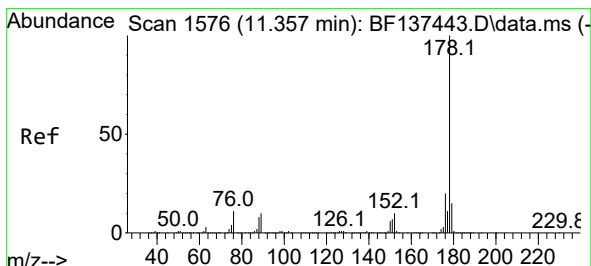
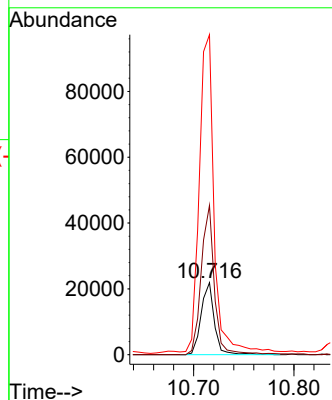
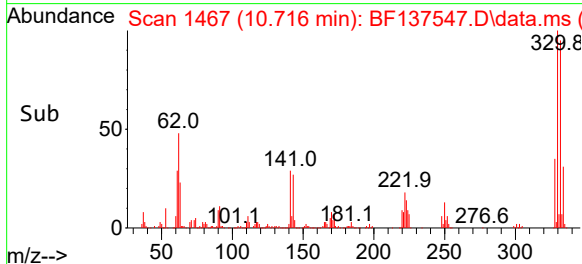


#67
4-Bromophenyl-phenylether
Concen: 2.698 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Instrument :
BNA_F
ClientSampleId :
TP-1

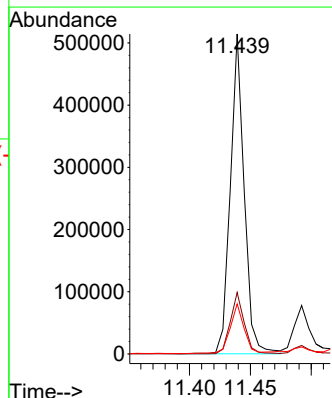
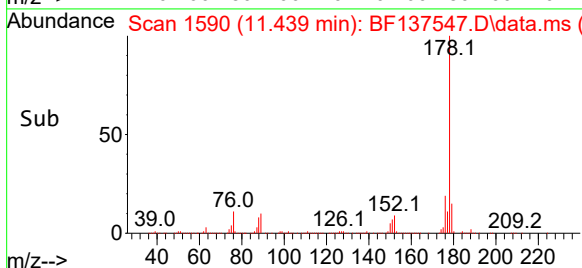
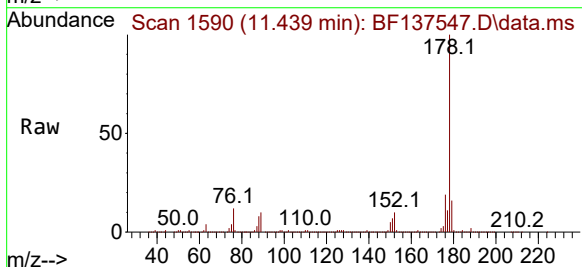


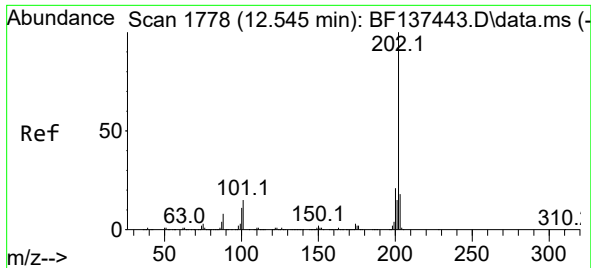
Tgt Ion:248 Resp: 20227
Ion Ratio Lower Upper
248 100
250 207.3 76.8 115.2#
141 444.4 53.4 80.0#



#71
Phenanthrene
Concen: 10.882 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion:178 Resp: 407599
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 12.2 18.2

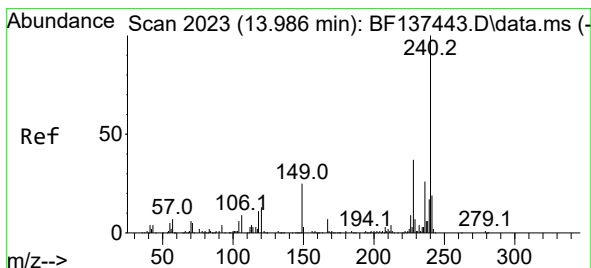
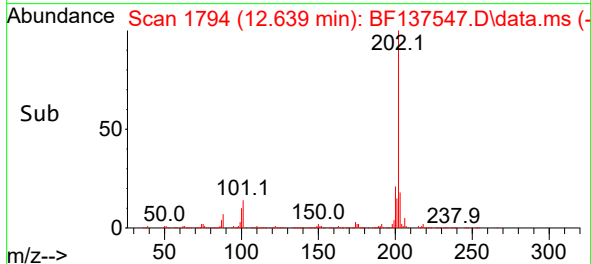
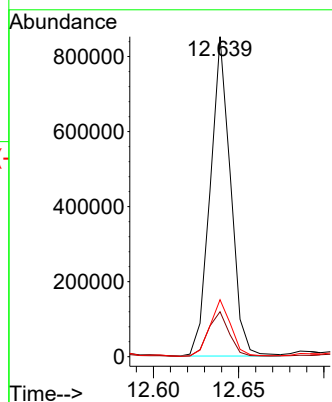
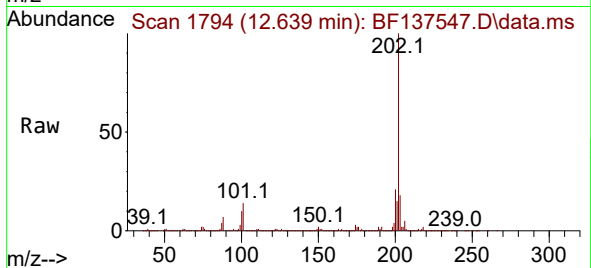




#75
Fluoranthene
Concen: 19.296 ng
RT: 12.639 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

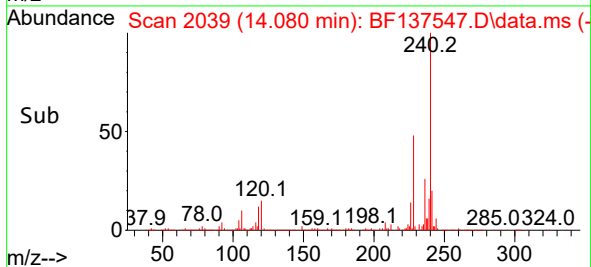
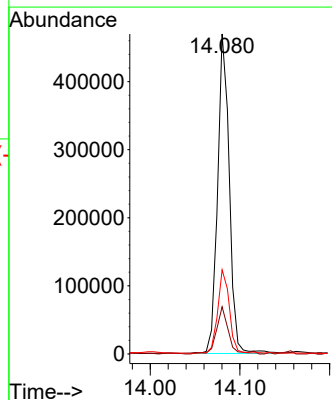
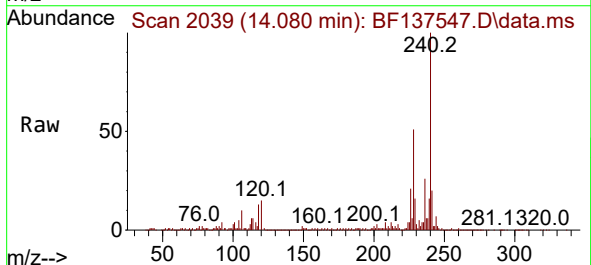
Instrument :
BNA_F
ClientSampleId :
TP-1

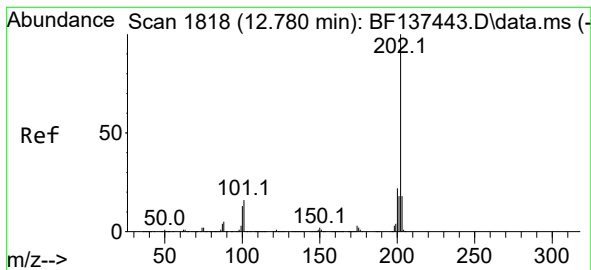
Tgt Ion:202 Resp: 706442
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.0
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion:240 Resp: 425435
Ion Ratio Lower Upper
240 100
120 14.8 10.4 15.6
236 26.3 20.9 31.3





#78

Pyrene

Concen: 29.212 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

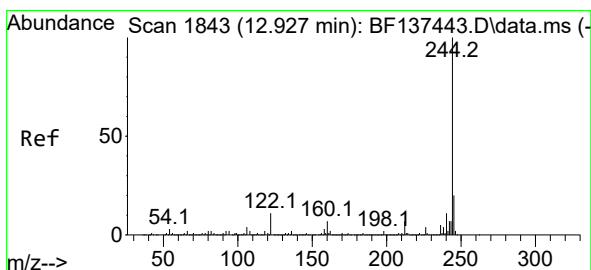
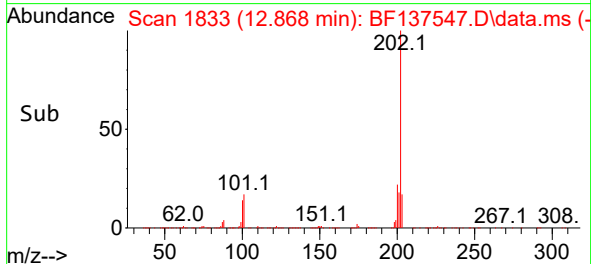
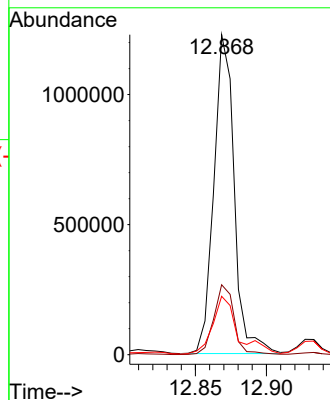
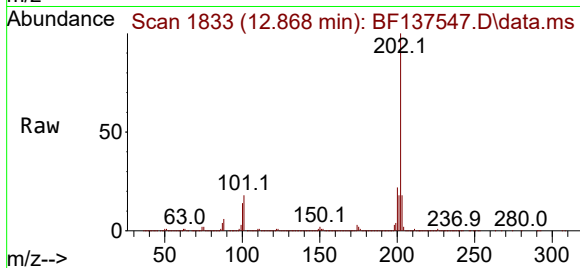
Tgt Ion:202 Resp: 1219469

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 34.680 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

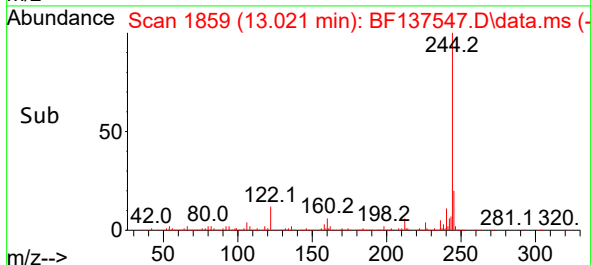
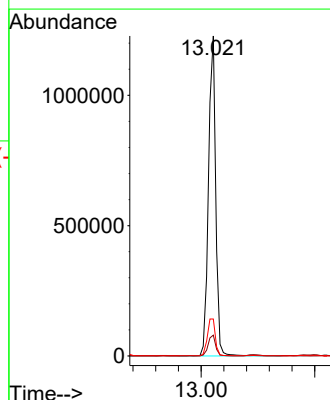
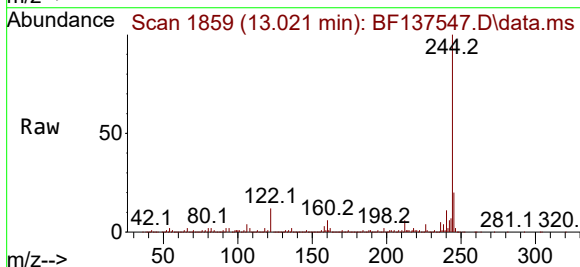
Tgt Ion:244 Resp: 1072938

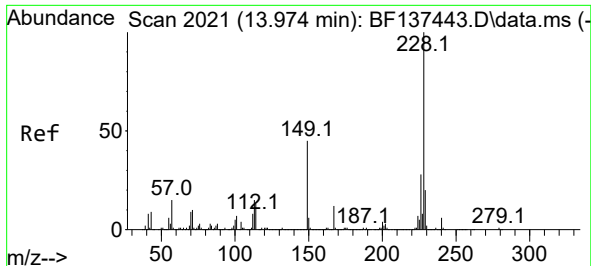
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 11.6 9.1 13.7

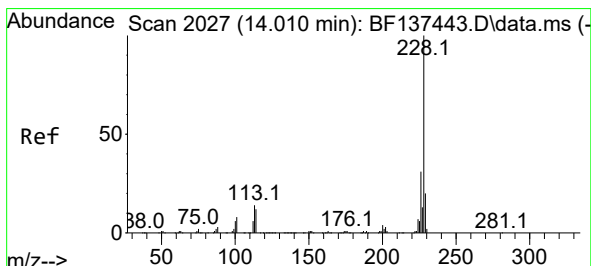
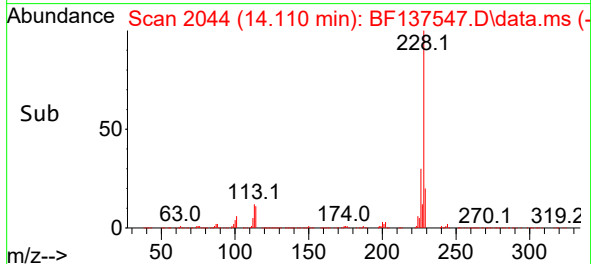
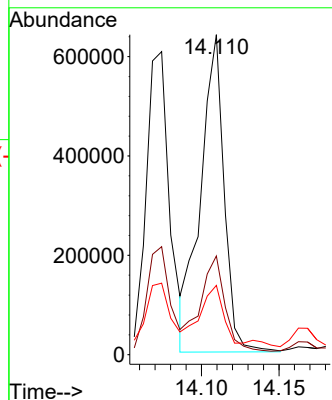
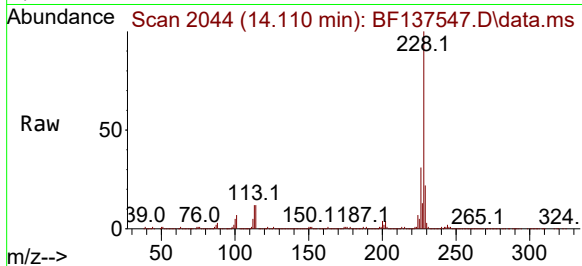




#81
Benzo(a)anthracene
Concen: 22.736 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.047 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

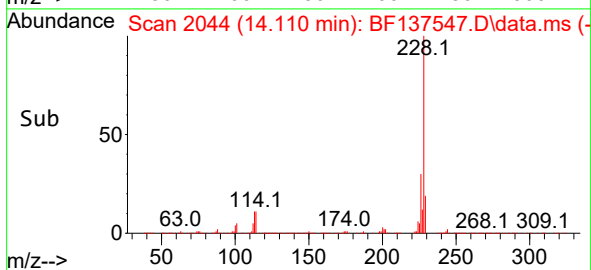
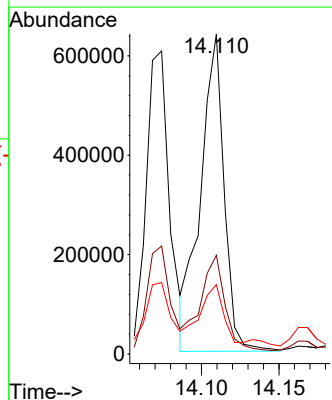
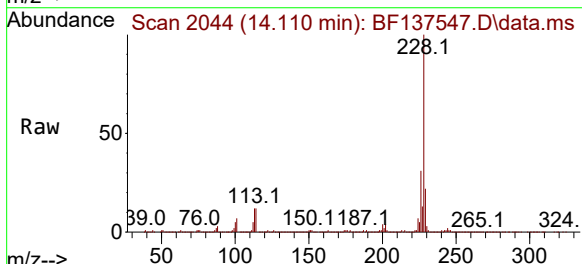
Instrument :
BNA_F
ClientSampleId :
TP-1

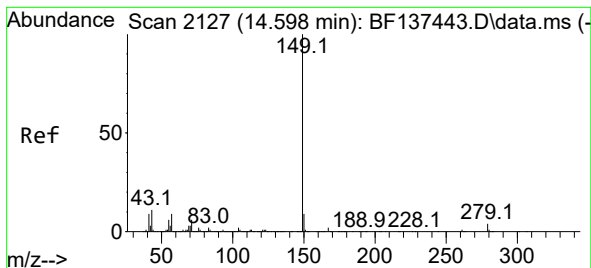
Tgt Ion:228 Resp: 677954
Ion Ratio Lower Upper
228 100
226 30.8 22.3 33.5
229 21.6 16.3 24.5



#83
Chrysene
Concen: 22.496 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion:228 Resp: 677954
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 21.6 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.839 ng

RT: 14.739 min Scan# 2127

Delta R.T. 0.047 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

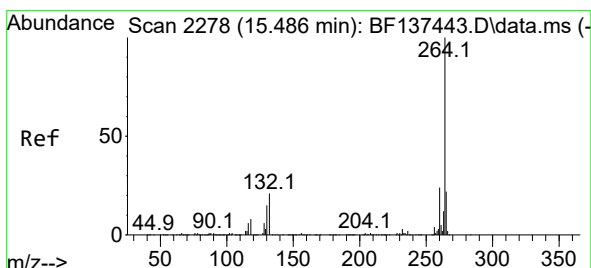
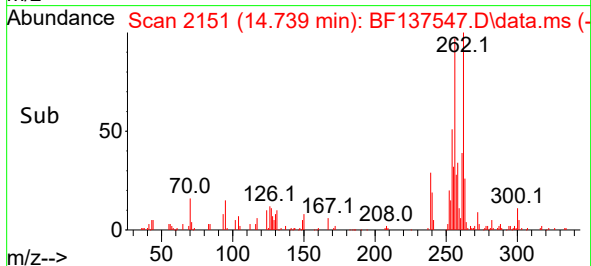
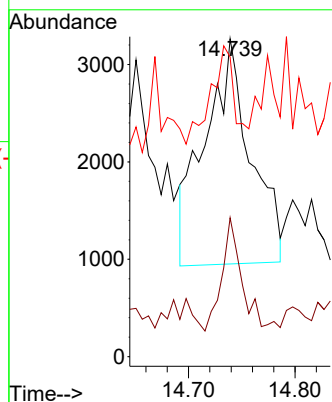
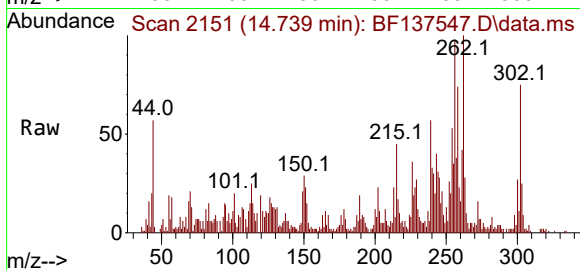
Tgt Ion:149 Resp: 6872

Ion Ratio Lower Upper

149 100

167 21.8 1.2 1.8#

43 26.9 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2303

Delta R.T. 0.018 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

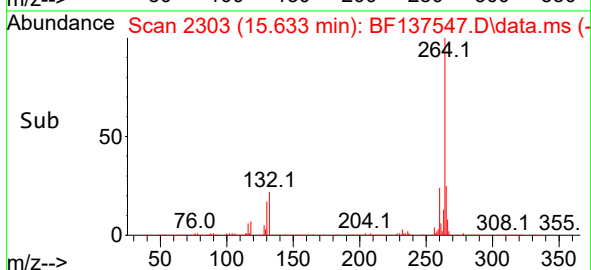
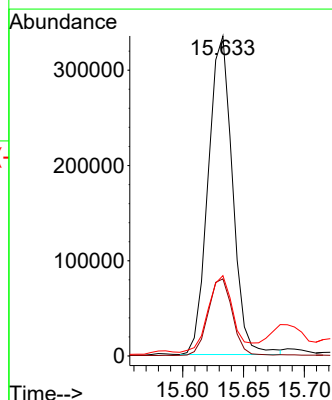
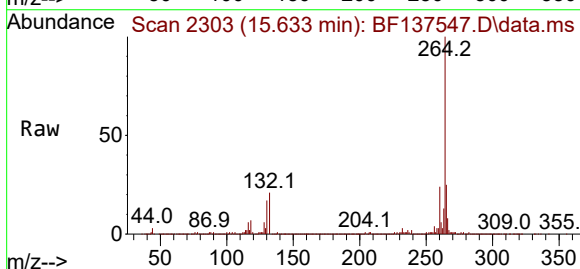
Tgt Ion:264 Resp: 466018

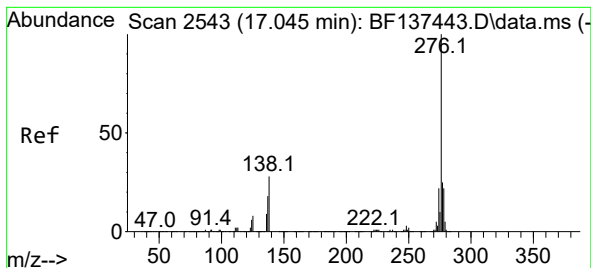
Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 25.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.930 ng

RT: 17.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

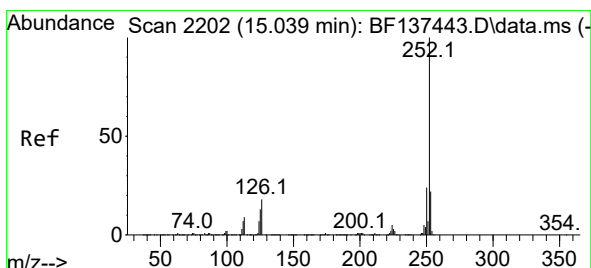
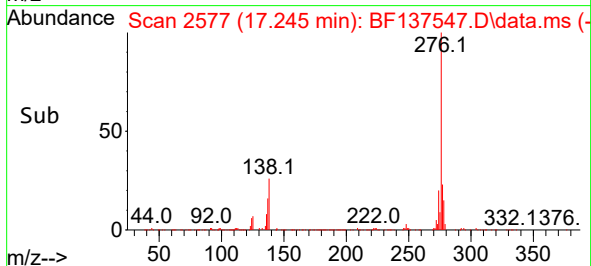
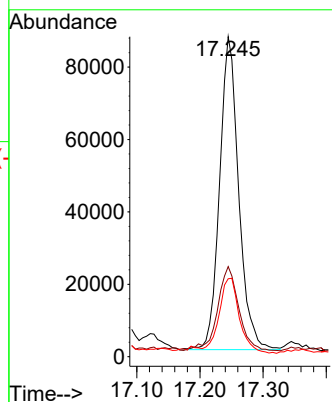
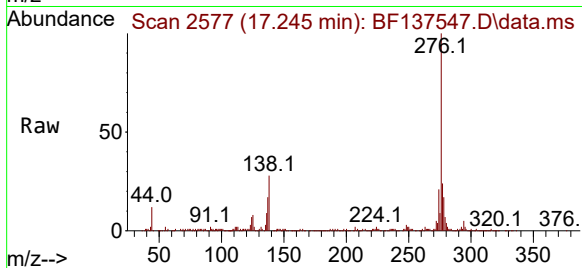
Tgt Ion:276 Resp: 181847

Ion Ratio Lower Upper

276 100

138 29.9 25.8 38.8

277 25.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 27.706 ng

RT: 15.168 min Scan# 2224

Delta R.T. 0.012 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

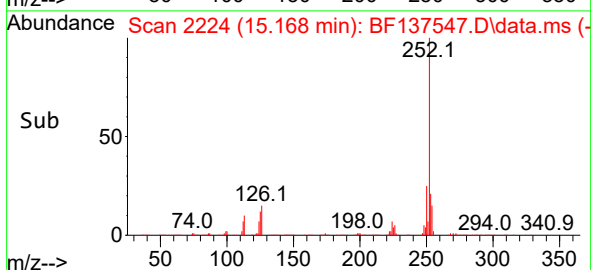
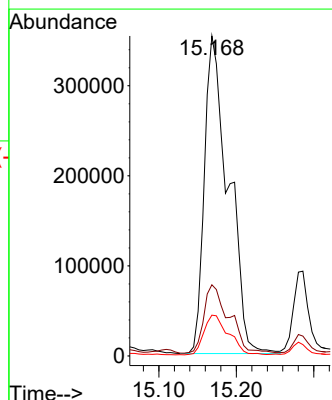
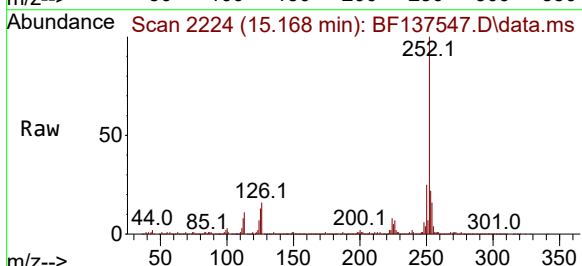
Tgt Ion:252 Resp: 763753

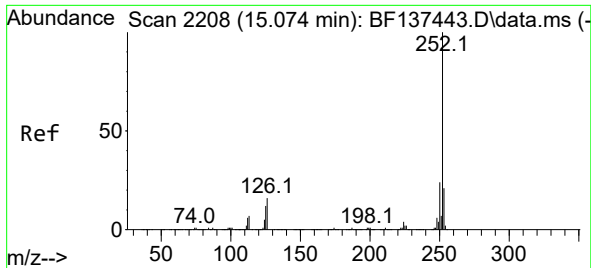
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 12.8 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 25.794 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

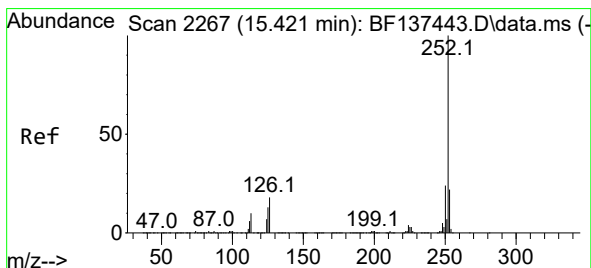
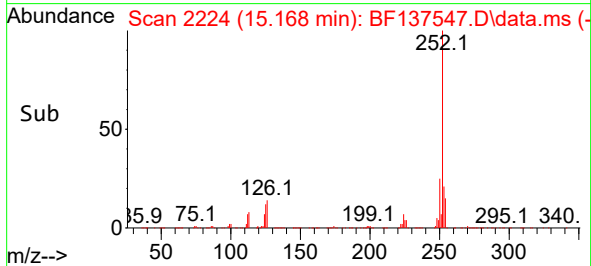
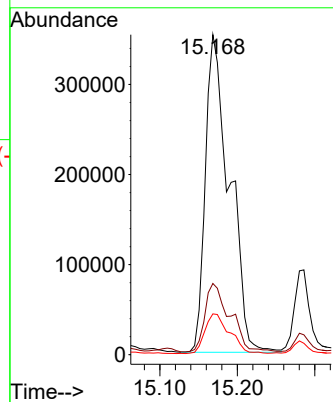
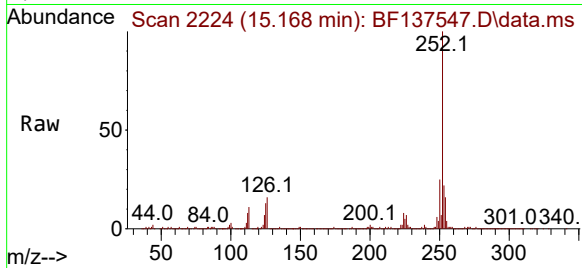
Tgt Ion:252 Resp: 763753

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 12.8 9.6 14.4



#90

Benzo(a)pyrene

Concen: 20.513 ng

RT: 15.562 min Scan# 2291

Delta R.T. 0.012 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

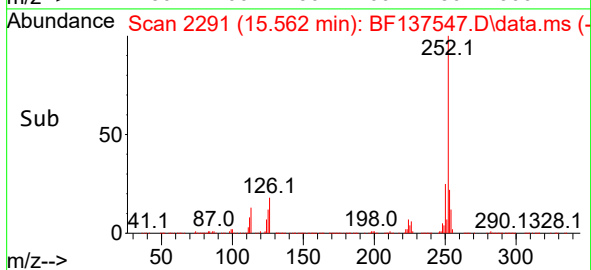
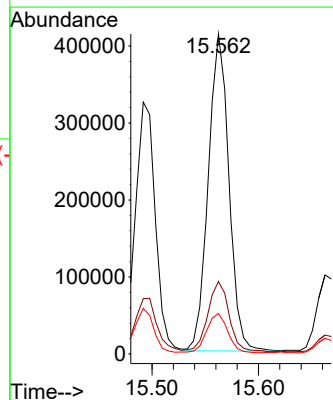
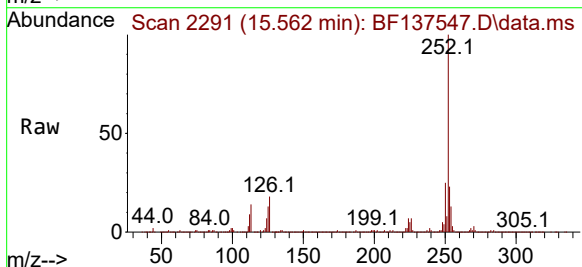
Tgt Ion:252 Resp: 557242

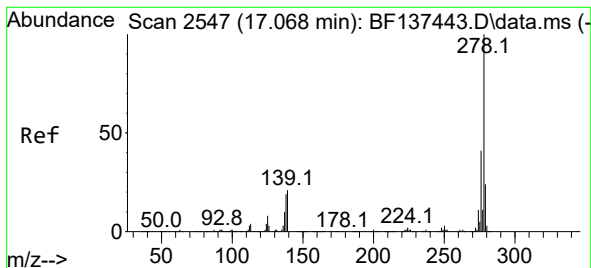
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 12.6 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 2.381 ng

RT: 17.268 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

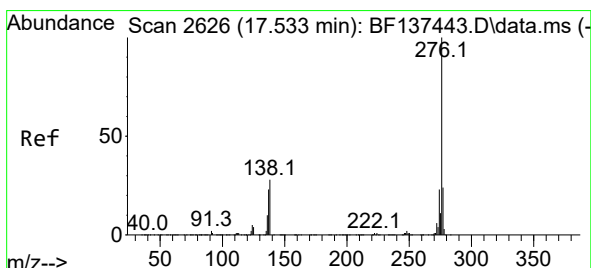
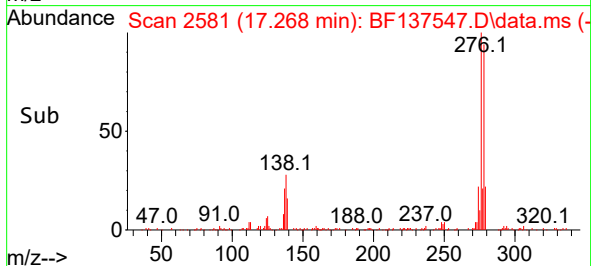
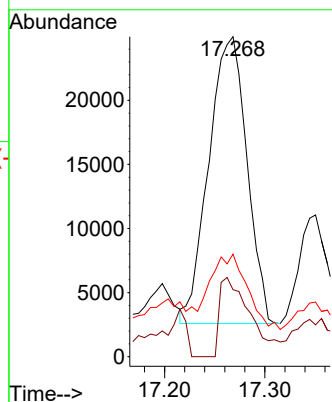
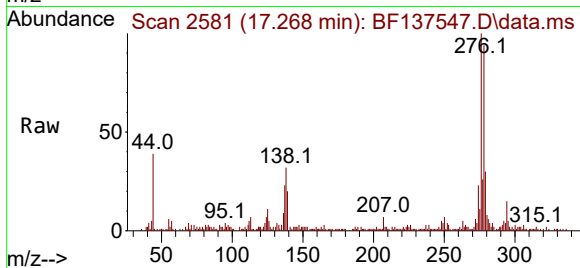
Tgt Ion:278 Resp: 59241

Ion Ratio Lower Upper

278 100

139 21.0 17.0 25.6

279 32.0 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 9.459 ng

RT: 17.739 min Scan# 2661

Delta R.T. 0.012 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Tgt Ion:276 Resp: 241658

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 26.4 22.2 33.2

