

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137674.D
 Acq On : 21 Mar 2024 21:53
 Operator : CG\JU
 Sample : P1817-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB03

Quant Time: Mar 22 01:44:59 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)

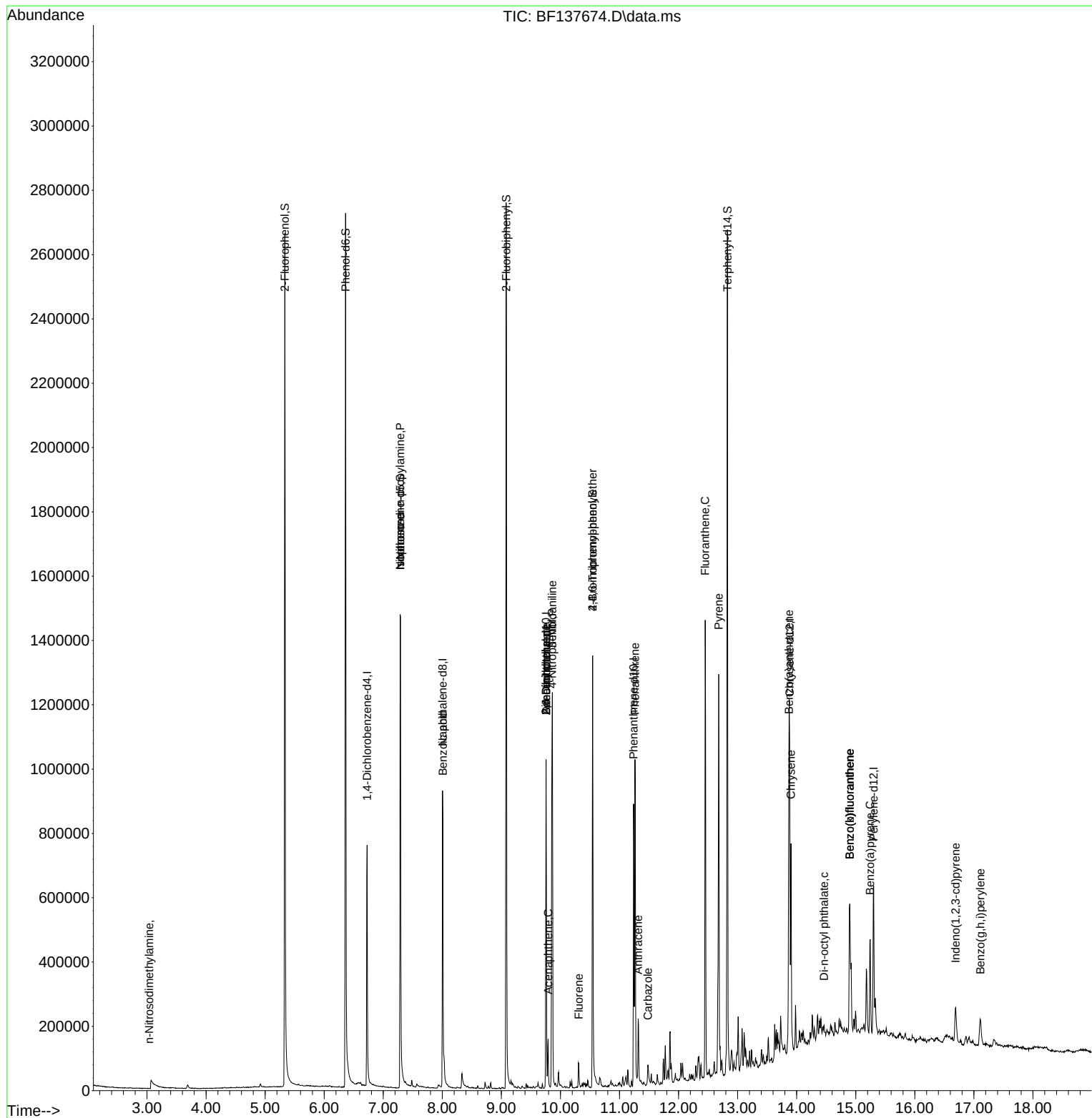
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	122291	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	436467	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	199045	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	326758	20.000	ng	0.00
76) Chrysene-d12	13.880	240	277823	20.000	ng	0.00
86) Perylene-d12	15.304	264	219129	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	746350	92.433	ng	0.00
7) Phenol-d6	6.363	99	976886	83.815	ng	0.00
23) Nitrobenzene-d5	7.287	82	573750	61.079	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	151033	86.405	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	843367	66.325	ng	0.00
79) Terphenyl-d14	12.827	244	850472	42.095	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.040	42	238	3.859	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	71945	9.996	ng	# 79
25) Isophorone	7.287	82	573750	32.150	ng	# 69
32) Benzoic acid	8.010	122	66	6.313	ng	# 1
50) Dimethylphthalate	9.757	163	29052	2.097	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	26519	9.151	ng	# 20
52) Acenaphthene	9.792	154	28602	2.695	ng	98
53) 3-Nitroaniline	9.863	138	9979	3.255	ng	# 1
56) 4-Nitrophenol	9.857	139	1479	5.166	ng	# 1
57) 2,4-Dinitrotoluene	9.757	165	26585	7.467	ng	# 21
58) Fluorene	10.310	166	26964	2.172	ng	94
67) 4-Bromophenyl-phenylether	10.545	248	10439	2.933	ng	# 1
71) Phenanthrene	11.263	178	382915	21.533	ng	99
72) Anthracene	11.316	178	99892	5.469	ng	99
73) Carbazole	11.480	167	34562	2.209	ng	# 94
75) Fluoranthene	12.451	202	563886	32.440	ng	100
78) Pyrene	12.680	202	484558	17.775	ng	99
81) Benzo(a)anthracene	13.868	228	266645	13.694	ng	99
83) Chrysene	13.904	228	231714	11.774	ng	97
85) Di-n-octyl phthalate	14.463	149	1417	5.680	ng	# 69
87) Indeno(1,2,3-cd)pyrene	16.692	276	71601	4.965	ng	94
88) Benzo(b)fluoranthene	14.898	252	304669	23.504	ng	99
89) Benzo(k)fluoranthene	14.898	252	304669	21.883	ng	98
90) Benzo(a)pyrene	15.245	252	146673	11.482	ng	99
92) Benzo(g,h,i)perylene	17.109	276	70069	5.833	ng	97

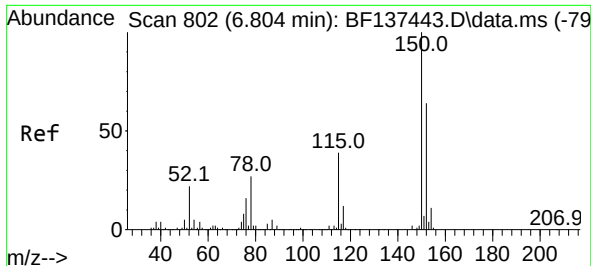
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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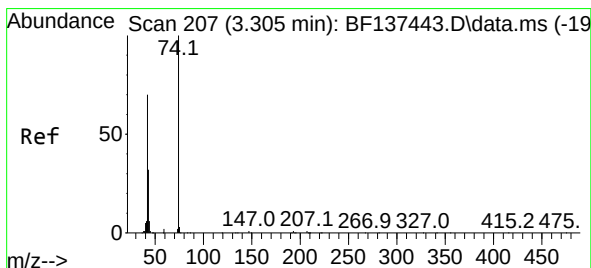
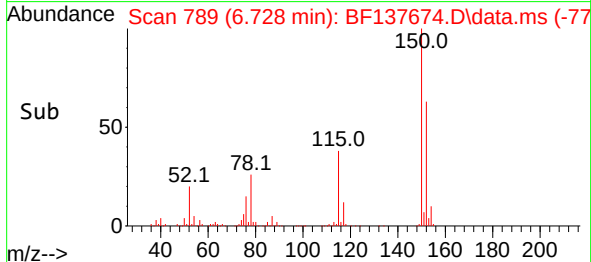
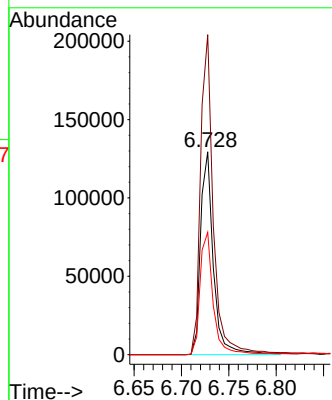
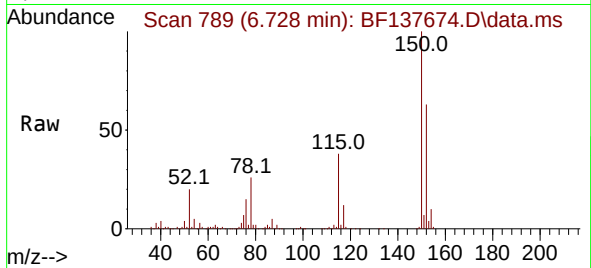




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

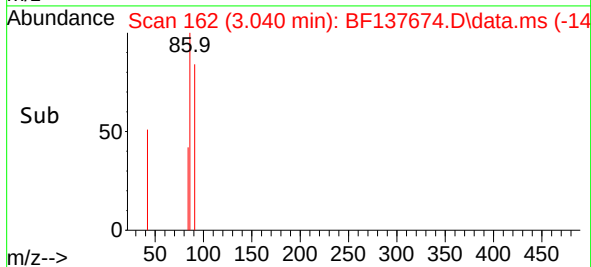
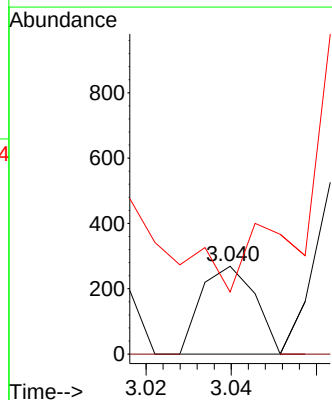
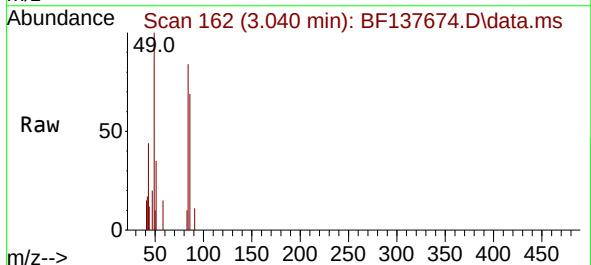
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

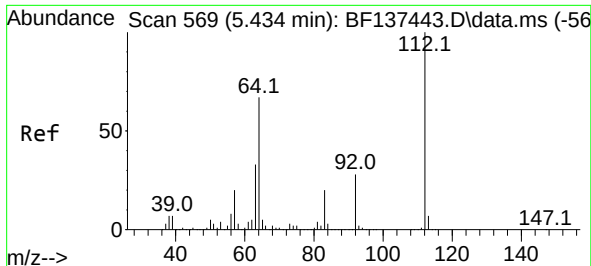
Tgt Ion:152 Resp: 122291
Ion Ratio Lower Upper
152 100
150 157.8 125.8 188.6
115 60.4 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.859 ng
RT: 3.040 min Scan# 162
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion: 42 Resp: 238
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 70.6 7.0 10.4#

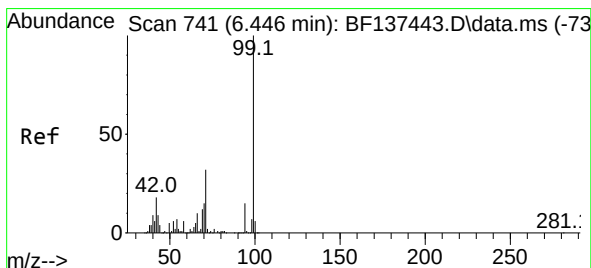
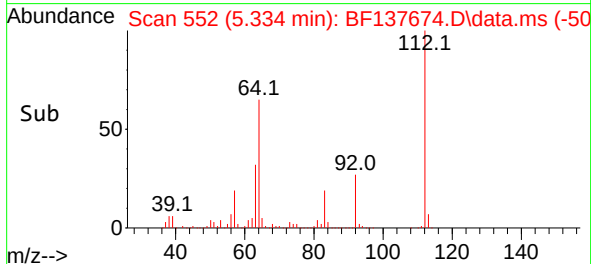
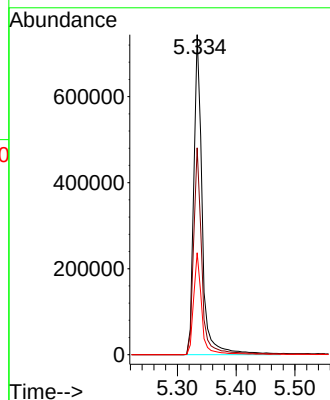
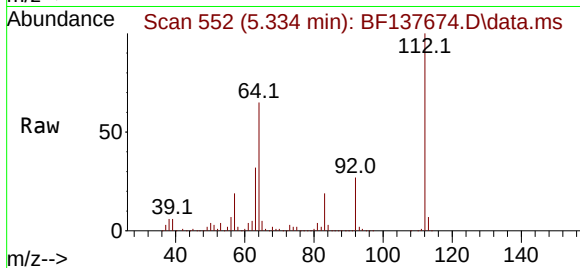




#5
2-Fluorophenol
Concen: 92.433 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

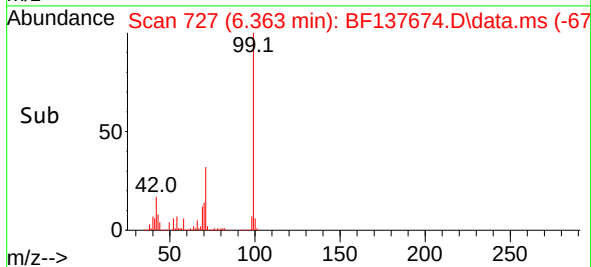
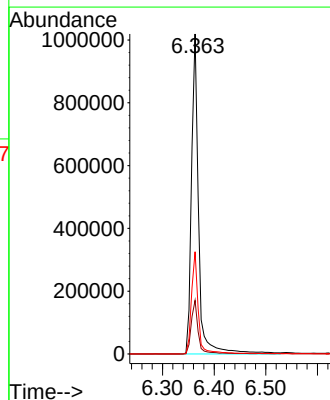
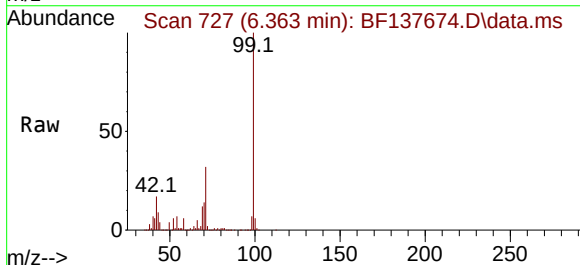
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

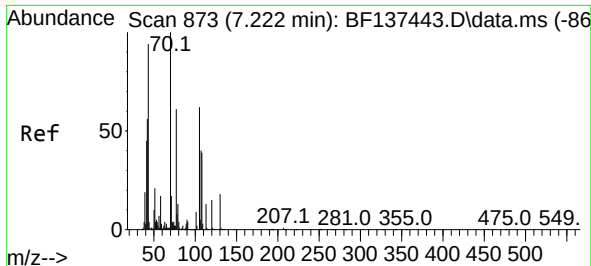
Tgt Ion:112 Resp: 746350
Ion Ratio Lower Upper
112 100
64 64.7 53.4 80.2
63 31.9 26.2 39.2



#7
Phenol-d6
Concen: 83.815 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion: 99 Resp: 976886
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 32.0 25.3 37.9

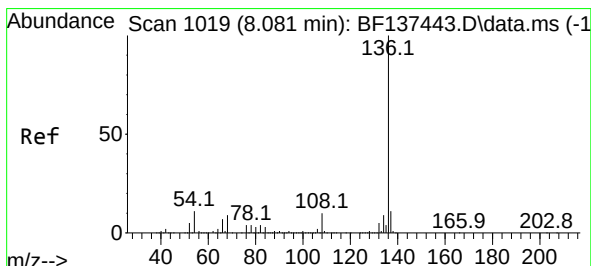
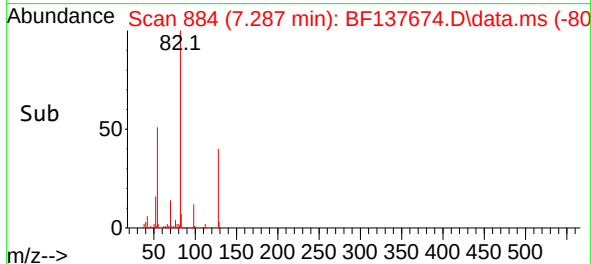
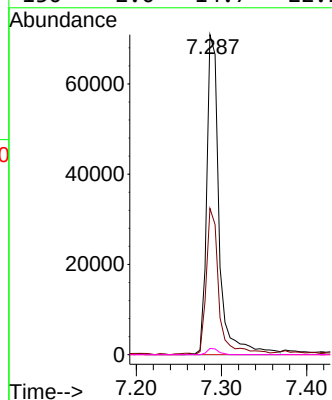
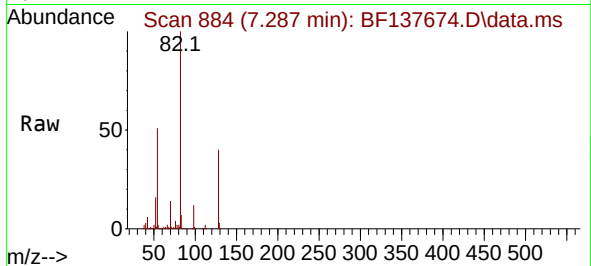




#19
n-Nitroso-di-n-propylamine
Concen: 9.996 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

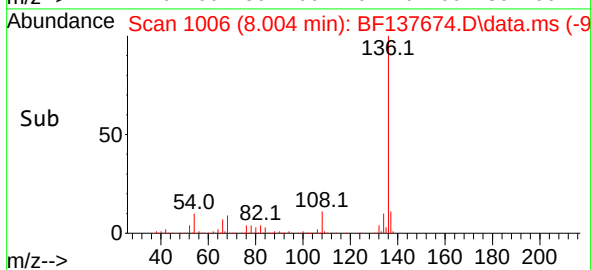
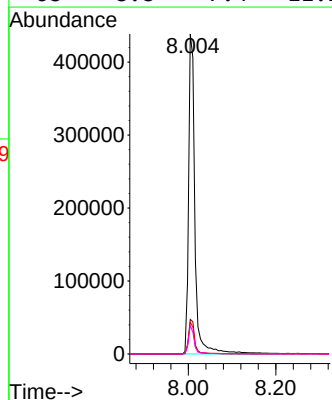
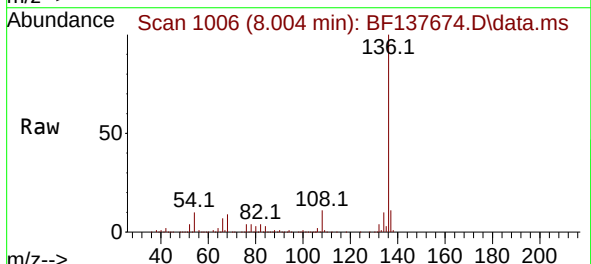
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

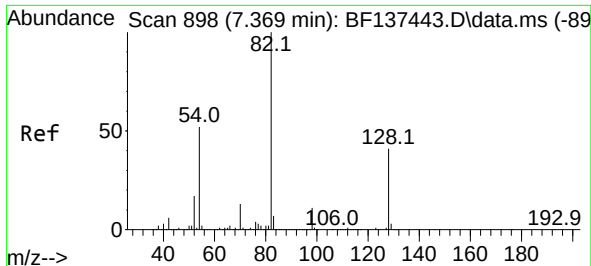
Tgt Ion:	70	Resp:	71945
Ion	Ratio	Lower	Upper
70	100		
42	45.7	45.2	67.8
101	0.0	7.3	10.9#
130	2.0	14.7	22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:	136	Resp:	436467
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	9.8	8.5	12.7
68	8.8	7.4	11.2





#23

Nitrobenzene-d5

Concen: 61.079 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

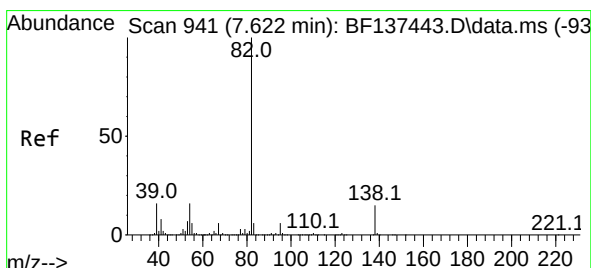
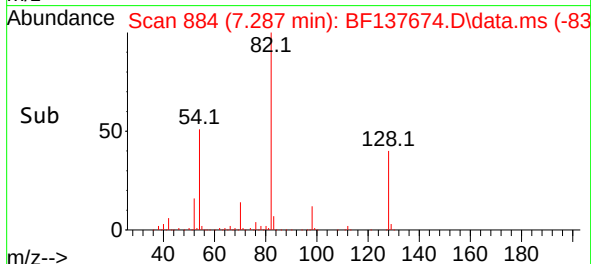
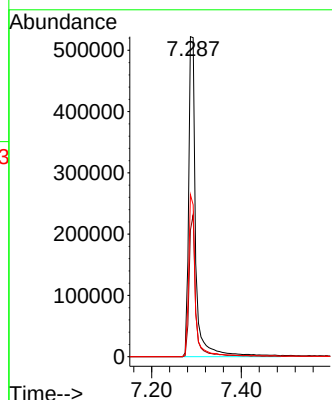
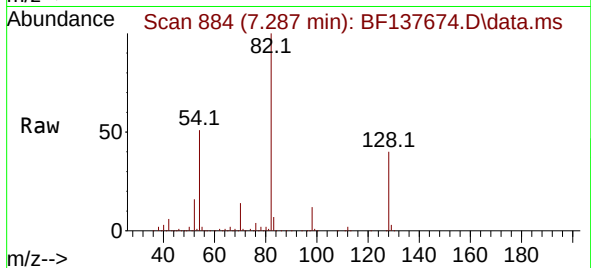
Tgt Ion: 82 Resp: 573750

Ion Ratio Lower Upper

82 100

128 39.6 32.5 48.7

54 50.6 41.5 62.3



#25

Isophorone

Concen: 32.150 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.265 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

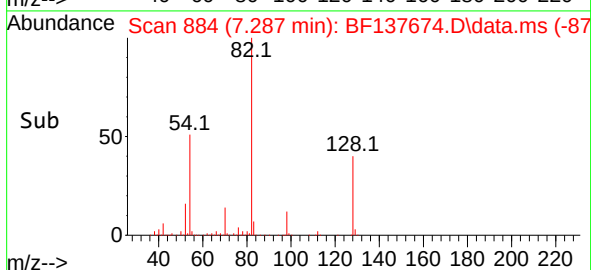
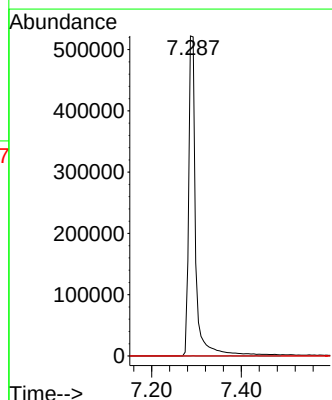
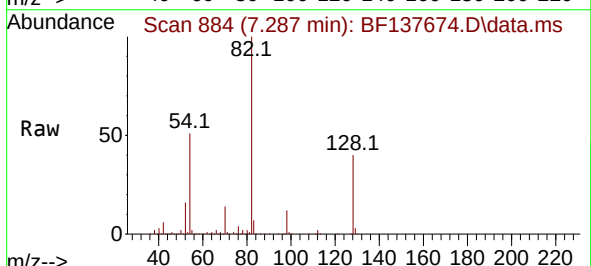
Tgt Ion: 82 Resp: 573750

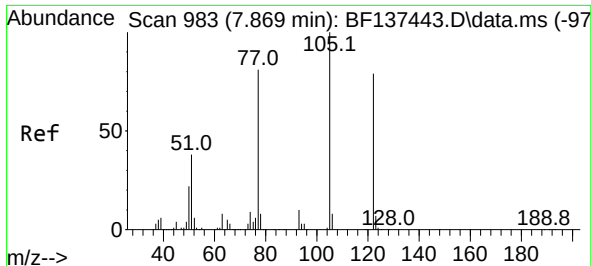
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

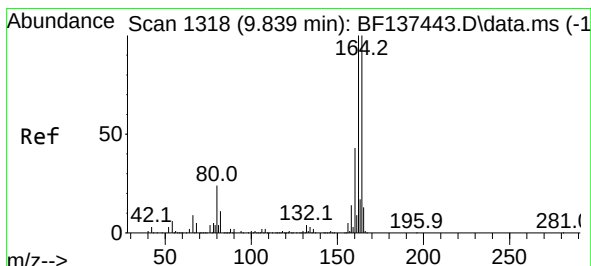
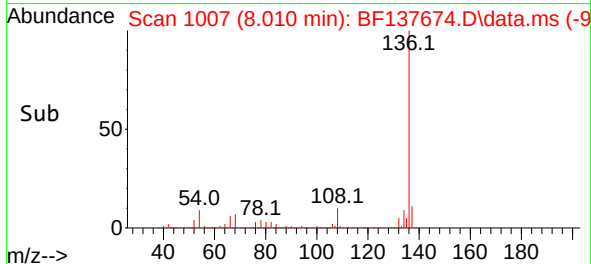
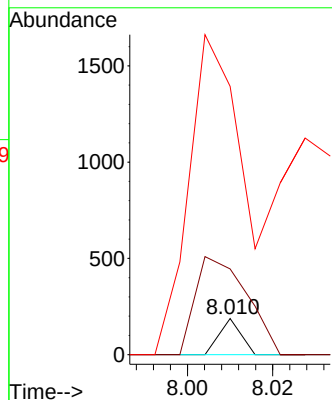
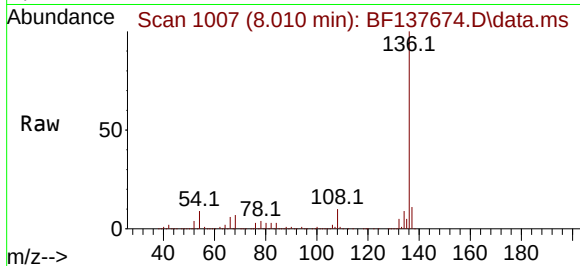




#32
Benzoic acid
Concen: 6.313 ng
RT: 8.010 min Scan# 10
Delta R.T. 0.212 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

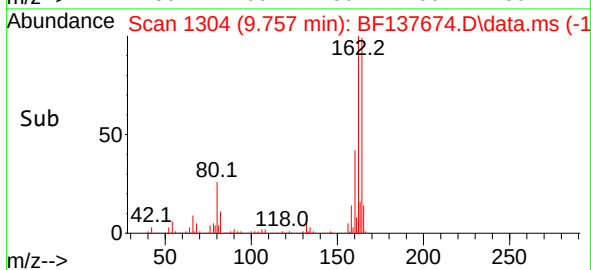
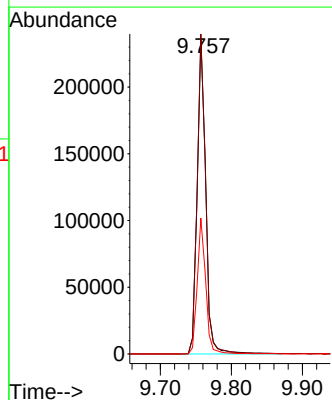
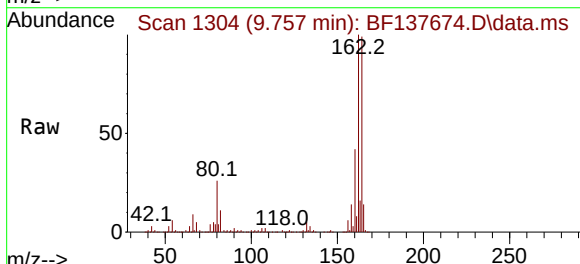
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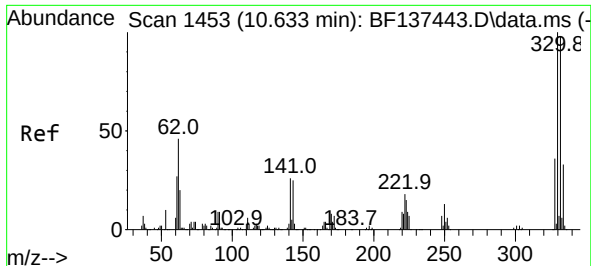
Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 236.7 102.4 142.4#
77 741.5 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:164 Resp: 199045
Ion Ratio Lower Upper
164 100
162 101.2 79.8 119.8
160 43.0 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 86.405 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

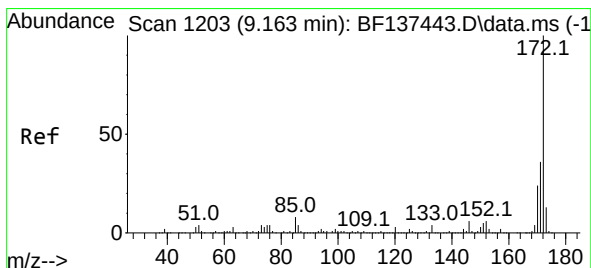
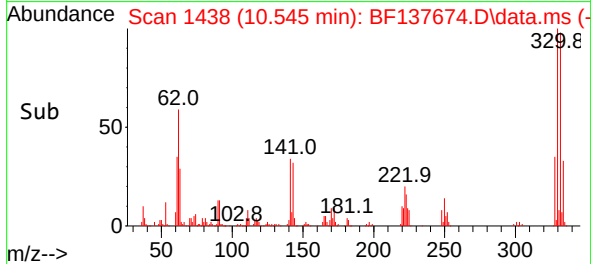
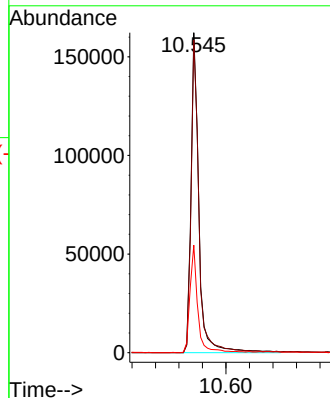
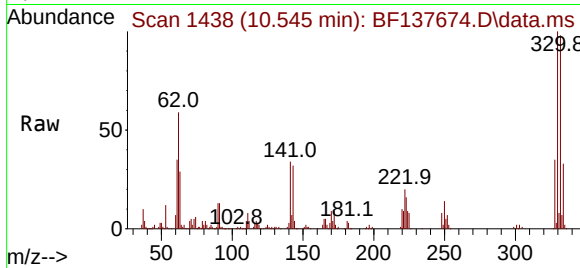
Tgt Ion:330 Resp: 151033

Ion Ratio Lower Upper

330 100

332 97.6 78.0 117.0

141 33.2 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 66.325 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

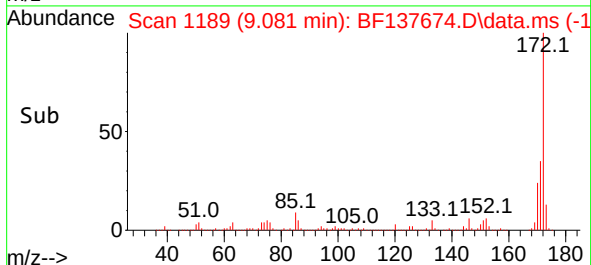
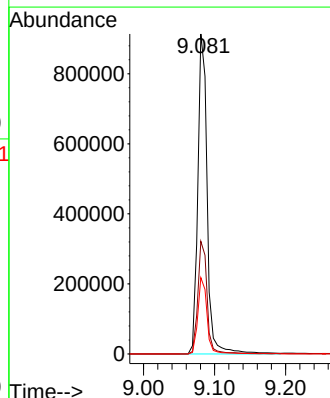
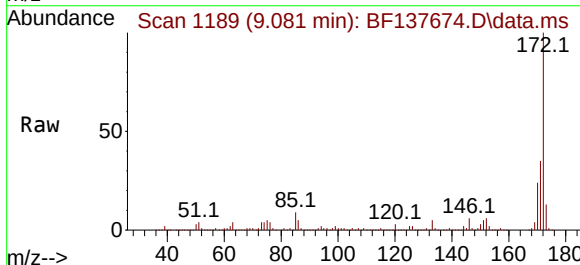
Tgt Ion:172 Resp: 843367

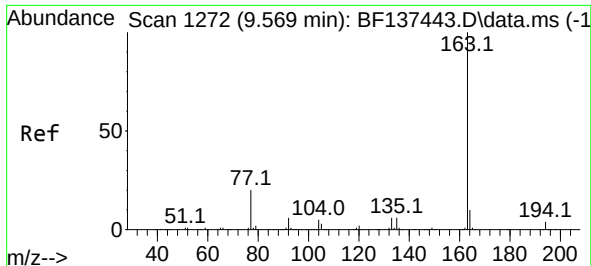
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.9 19.0 28.6

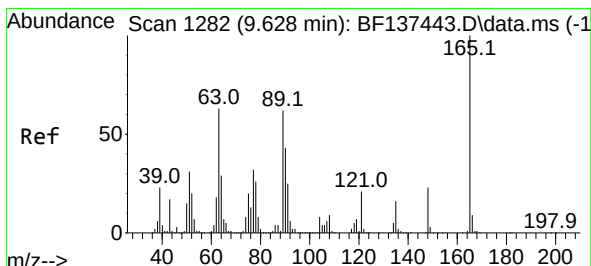
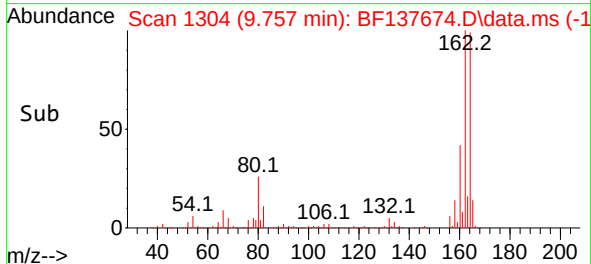
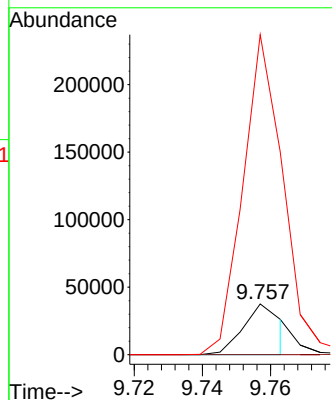
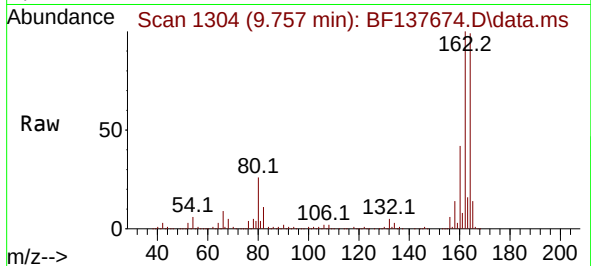




#50
Dimethylphthalate
Concen: 2.097 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

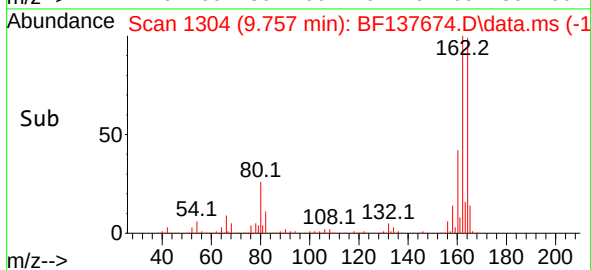
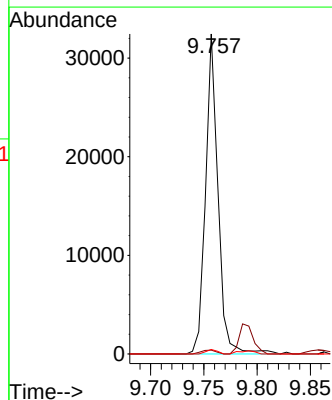
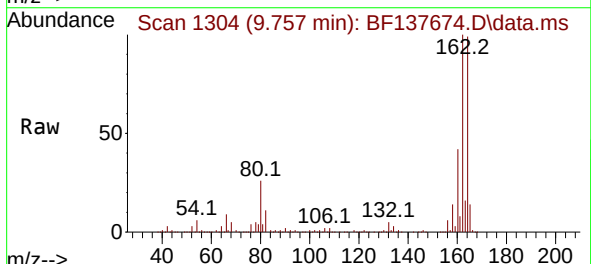
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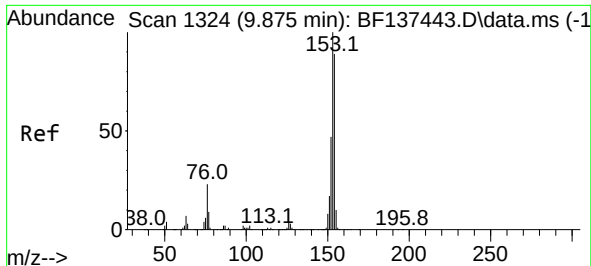
Tgt Ion:163 Resp: 29052
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 631.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.151 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:165 Resp: 26519
Ion Ratio Lower Upper
165 100
63 1.2 50.7 76.1#
89 1.4 50.0 75.0#

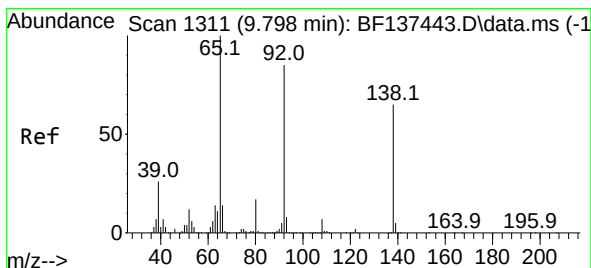
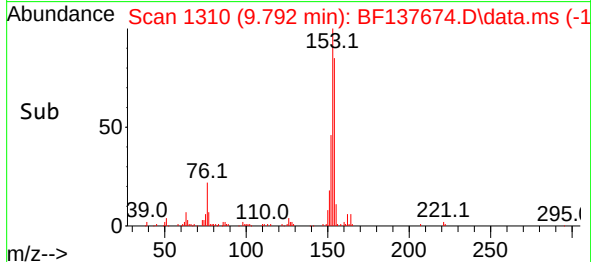
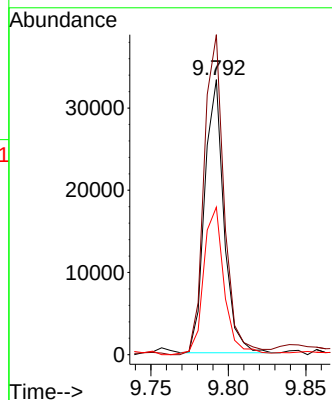
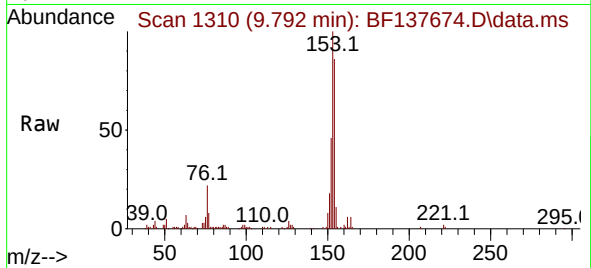




#52
Acenaphthene
Concen: 2.695 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

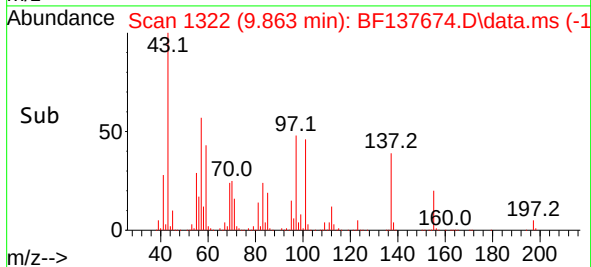
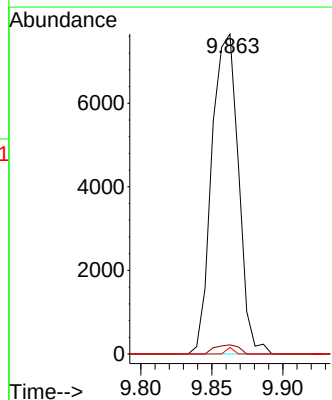
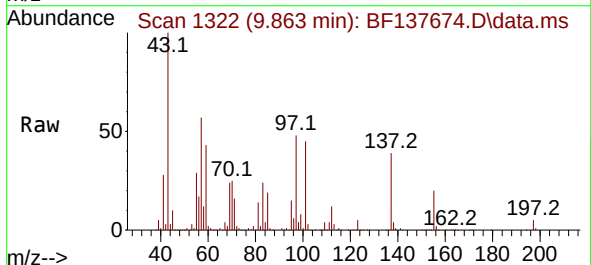
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

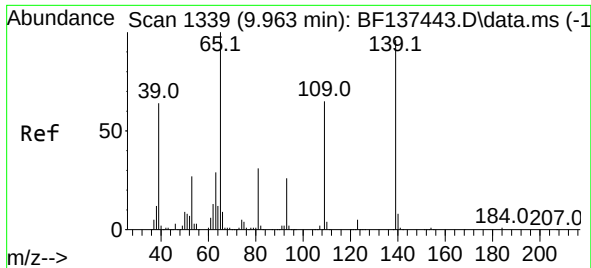
Tgt Ion:154 Resp: 28602
Ion Ratio Lower Upper
154 100
153 116.4 90.3 135.5
152 53.6 42.7 64.1



#53
3-Nitroaniline
Concen: 3.255 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.141 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:138 Resp: 9979
Ion Ratio Lower Upper
138 100
108 2.8 9.1 13.7#
92 2.0 104.6 157.0#

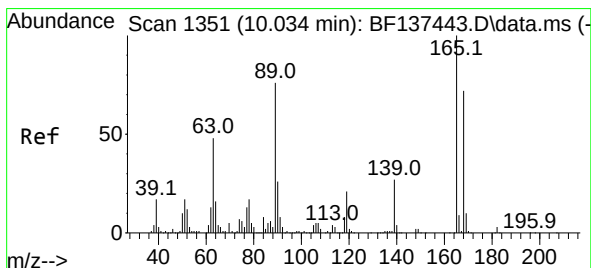
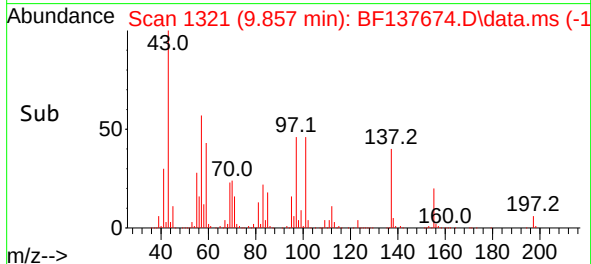
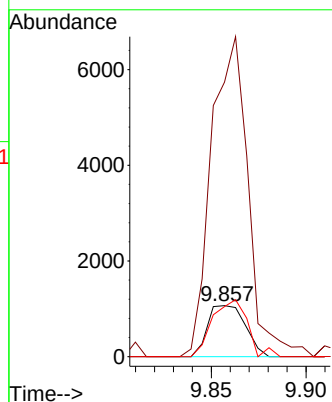
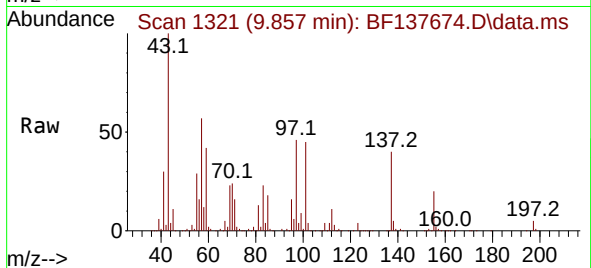




#56
4-Nitrophenol
Concen: 5.166 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

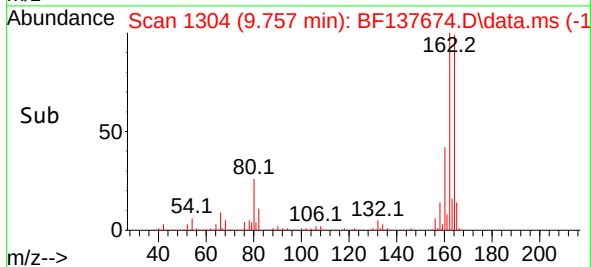
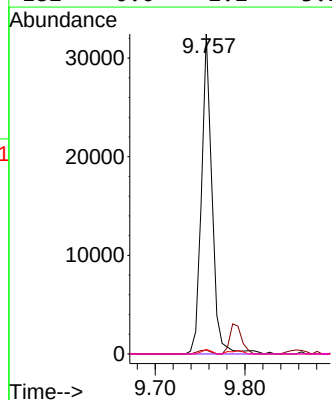
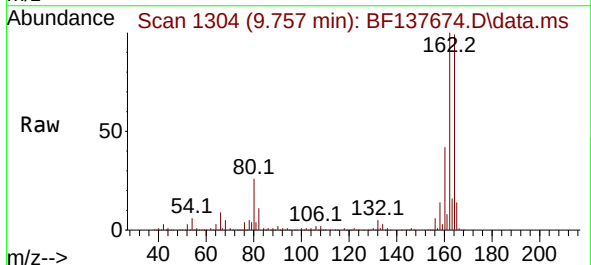
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

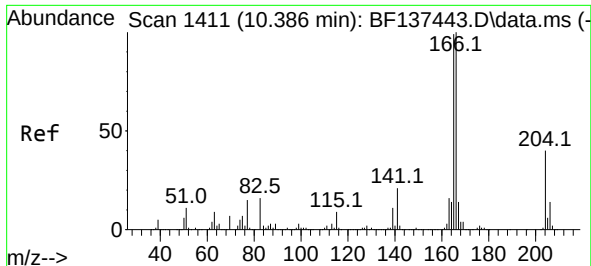
Tgt Ion:139 Resp: 1479
Ion Ratio Lower Upper
139 100
109 537.9 47.1 87.1#
65 98.2 85.1 125.1



#57
2,4-Dinitrotoluene
Concen: 7.467 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:165 Resp: 26585
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.6#
89 1.4 60.9 91.3#
182 0.0 2.2 3.2#

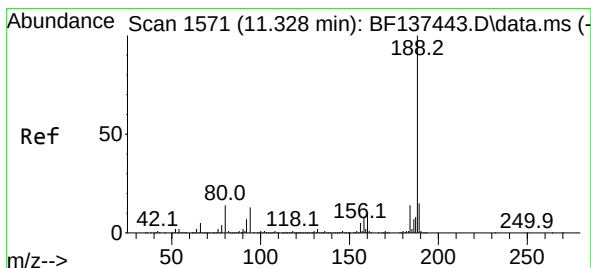
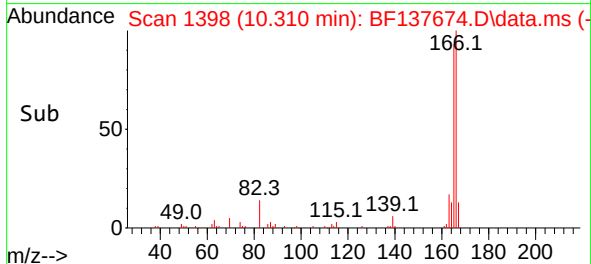
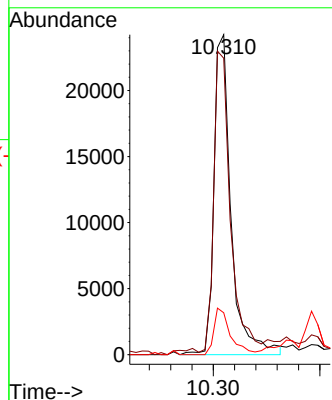
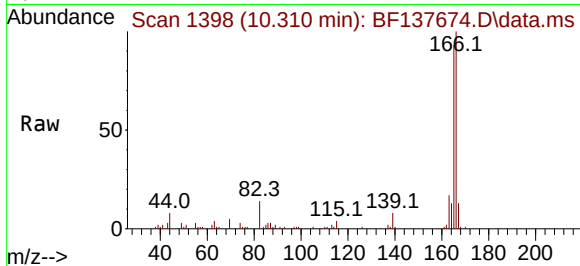




#58
 Fluorene
 Concen: 2.172 ng
 RT: 10.310 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF137674.D
 Acq: 21 Mar 2024 21:53

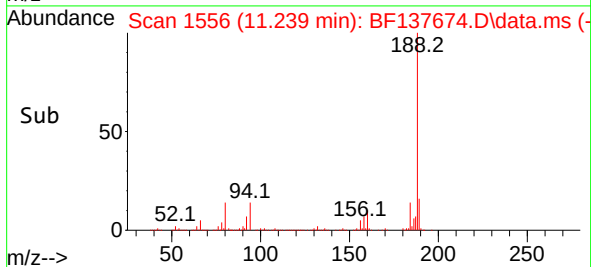
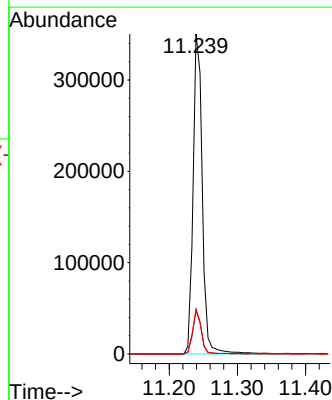
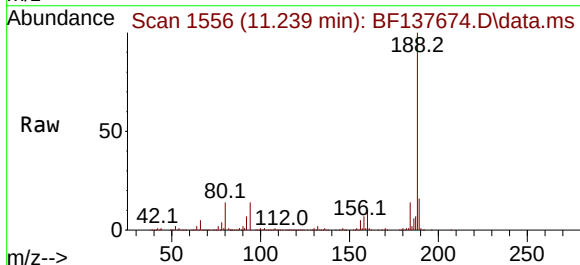
Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB03

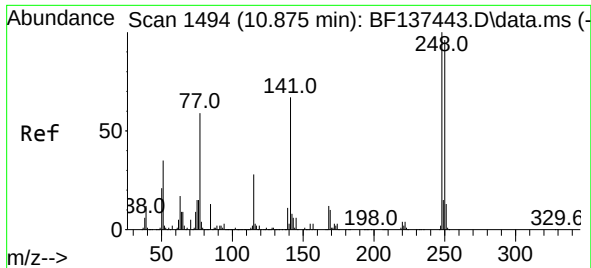
Tgt Ion:166 Resp: 26964
 Ion Ratio Lower Upper
 166 100
 165 92.6 79.2 118.8
 167 13.1 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.239 min Scan# 1556
 Delta R.T. -0.000 min
 Lab File: BF137674.D
 Acq: 21 Mar 2024 21:53

Tgt Ion:188 Resp: 326758
 Ion Ratio Lower Upper
 188 100
 94 13.6 10.6 15.8
 80 14.0 11.5 17.3

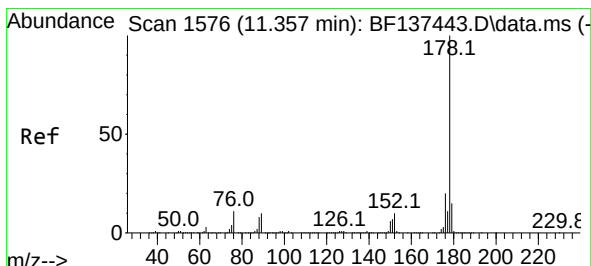
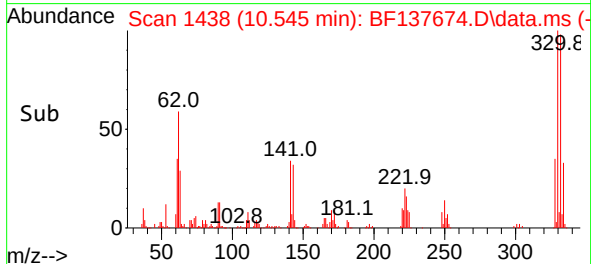
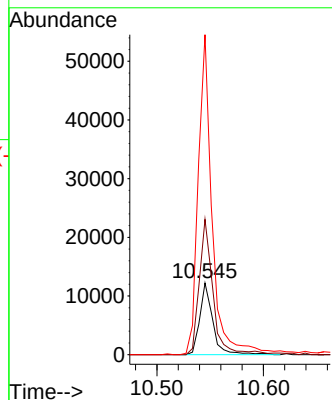
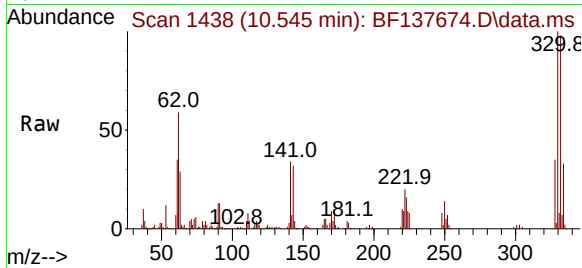




#67
4-Bromophenyl-phenylether
Concen: 2.933 ng
RT: 10.545 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

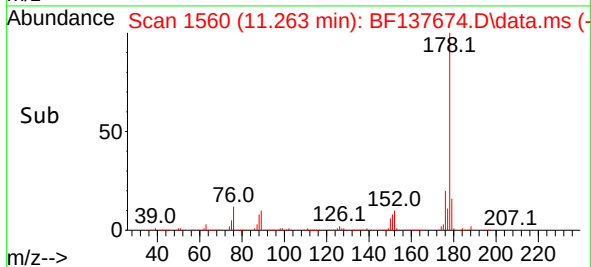
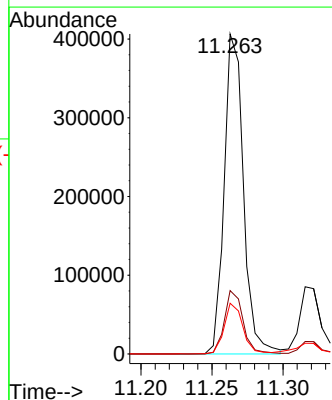
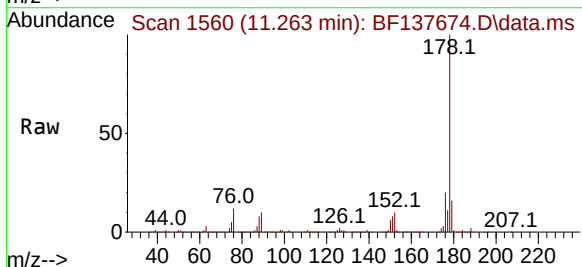
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

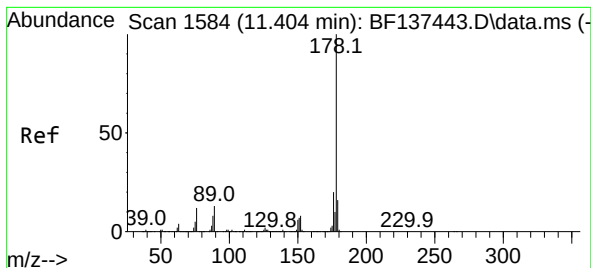
Tgt Ion:248 Resp: 10439
Ion Ratio Lower Upper
248 100
250 188.7 76.8 115.2#
141 446.1 53.4 80.0#



#71
Phenanthrene
Concen: 21.533 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:178 Resp: 382915
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.9 12.2 18.2





#72

Anthracene

Concen: 5.469 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

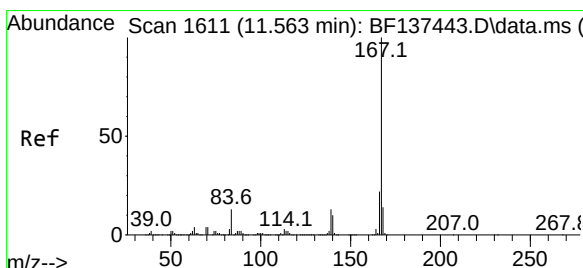
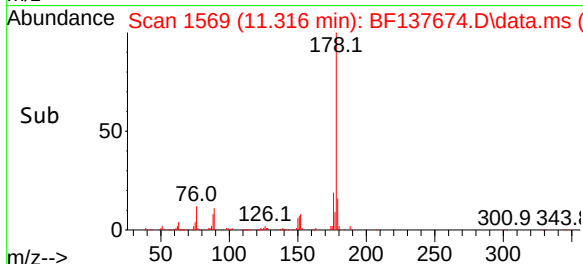
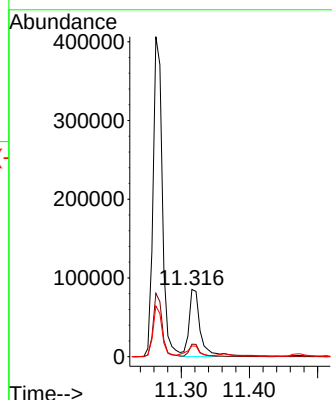
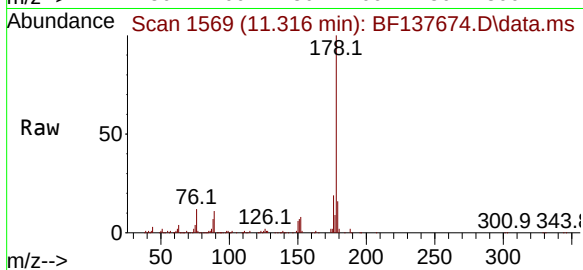
Tgt Ion:178 Resp: 99892

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

179 16.0 12.7 19.1



#73

Carbazole

Concen: 2.209 ng

RT: 11.480 min Scan# 1597

Delta R.T. 0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

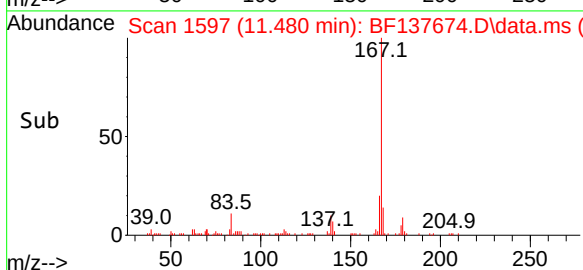
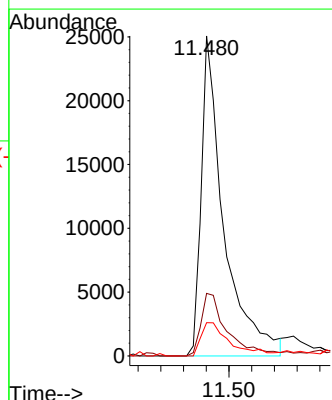
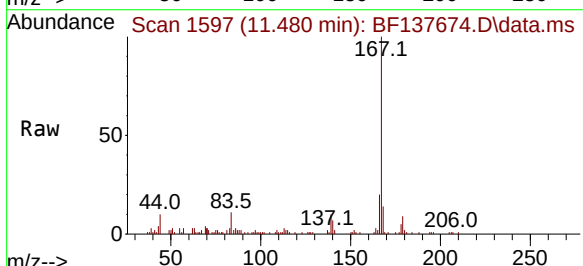
Tgt Ion:167 Resp: 34562

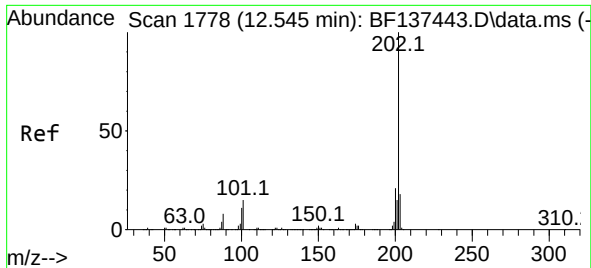
Ion Ratio Lower Upper

167 100

166 19.6 17.8 26.8

139 10.4 10.5 15.7#

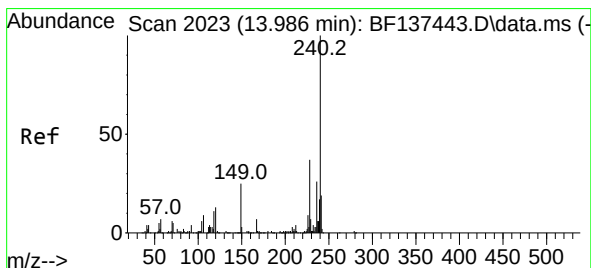
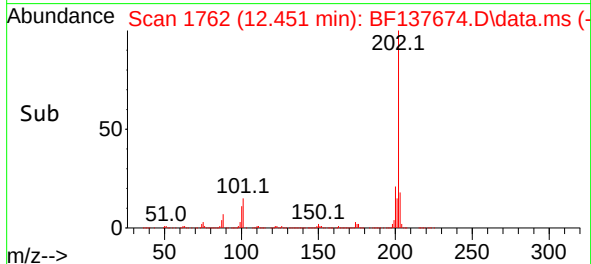
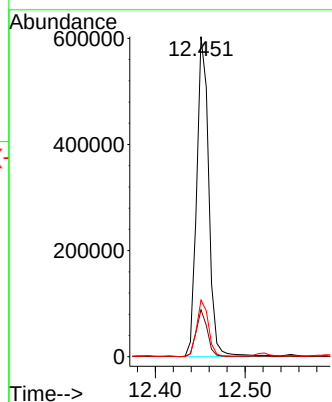
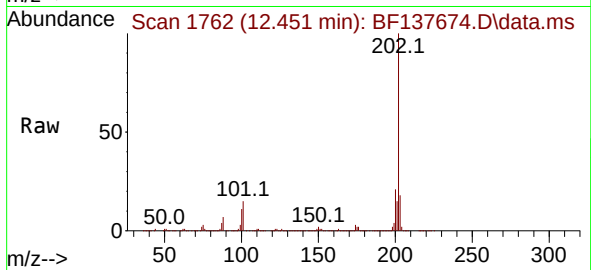




#75
Fluoranthene
Concen: 32.440 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

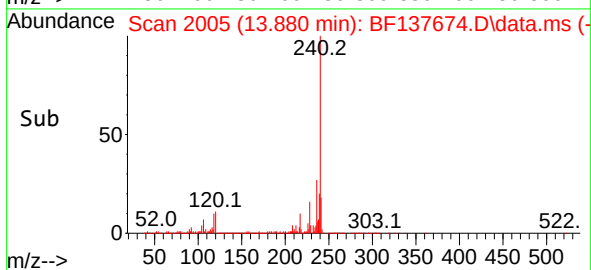
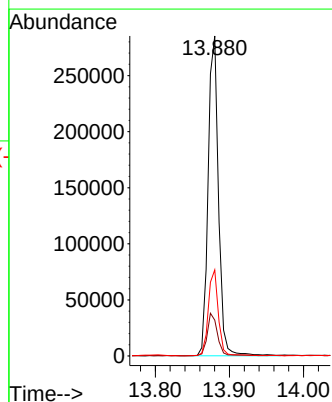
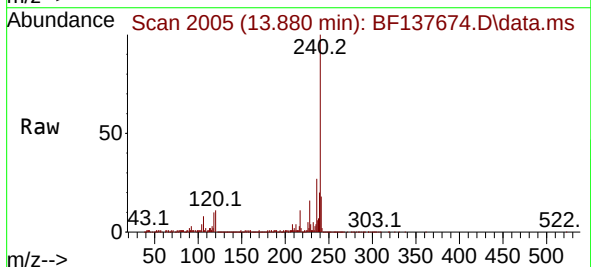
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

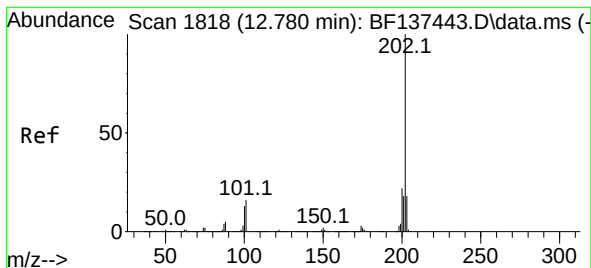
Tgt Ion:202 Resp: 563886
Ion Ratio Lower Upper
202 100
101 14.6 0.0 35.0
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:240 Resp: 277823
Ion Ratio Lower Upper
240 100
120 11.2 10.4 15.6
236 26.9 20.9 31.3





#78

Pyrene

Concen: 17.775 ng

RT: 12.680 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

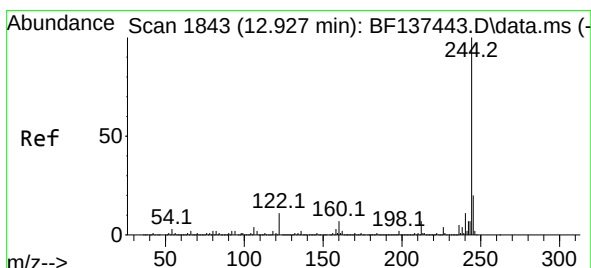
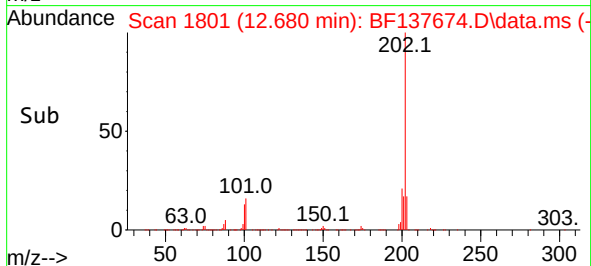
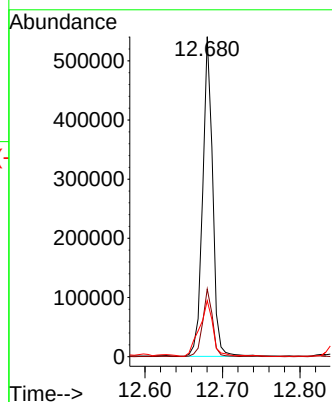
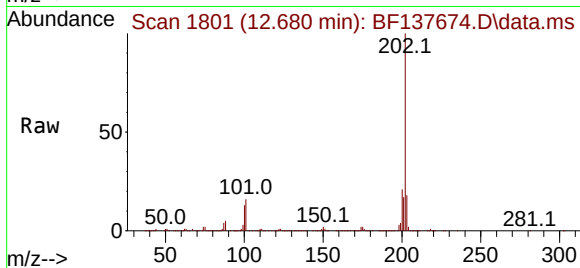
Tgt Ion:202 Resp: 484558

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 42.095 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

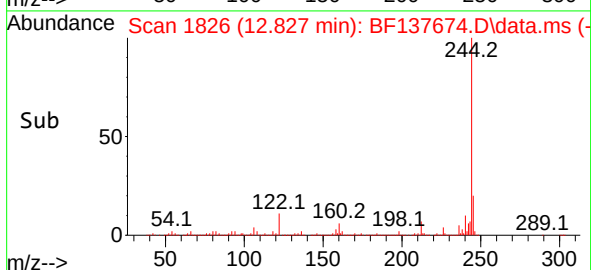
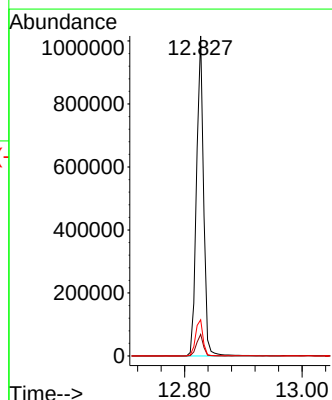
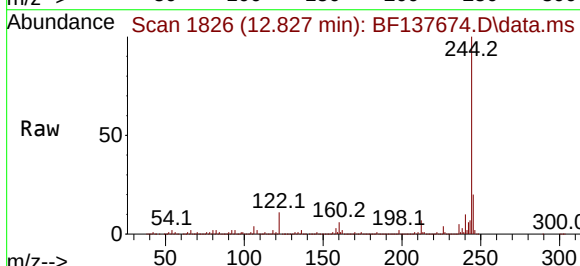
Tgt Ion:244 Resp: 850472

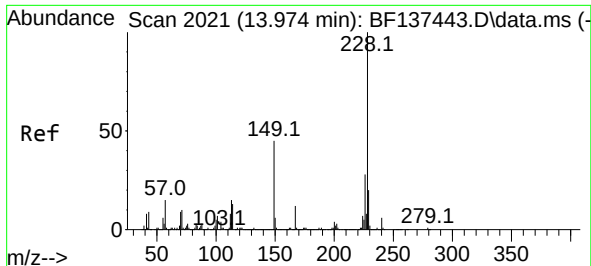
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.3 9.1 13.7

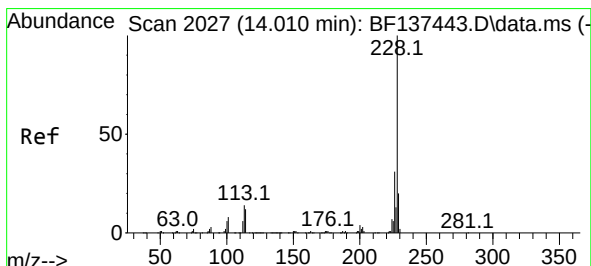
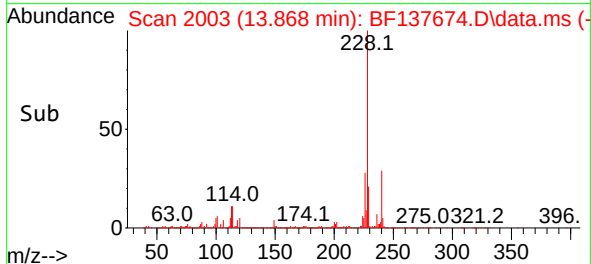
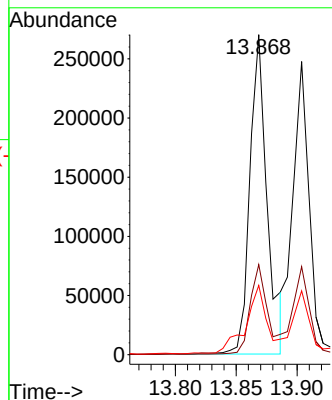
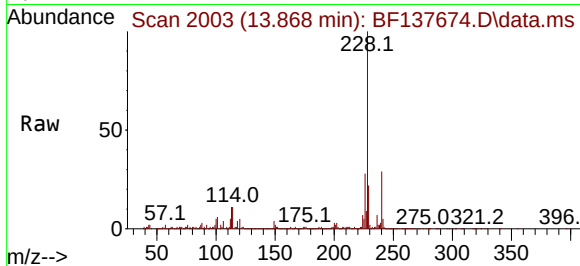




#81
Benzo(a)anthracene
Concen: 13.694 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

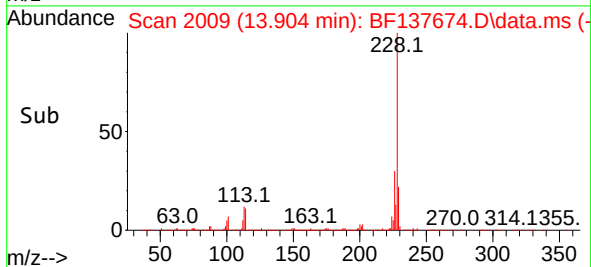
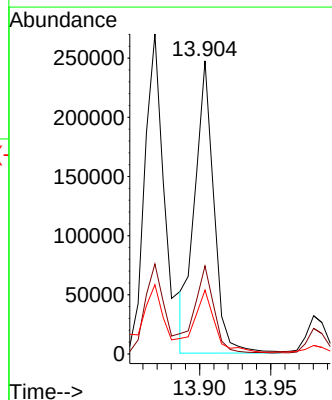
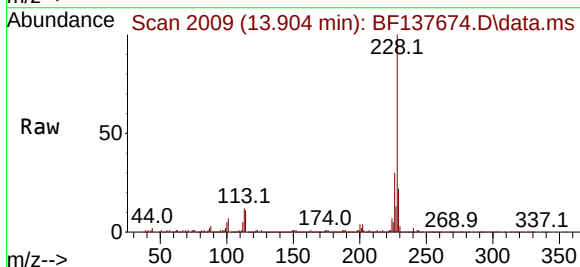
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

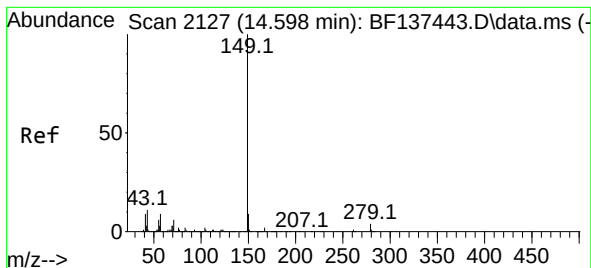
Tgt Ion:228 Resp: 266645
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 21.7 16.3 24.5



#83
Chrysene
Concen: 11.774 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:228 Resp: 231714
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 21.8 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.680 ng

RT: 14.463 min Scan# 2104

Delta R.T. -0.012 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

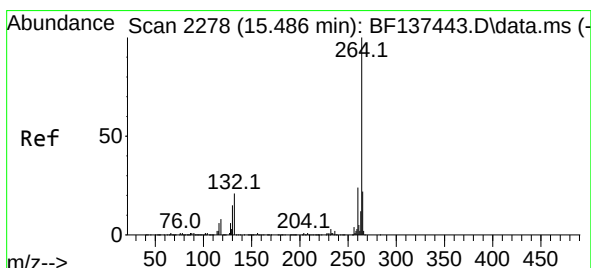
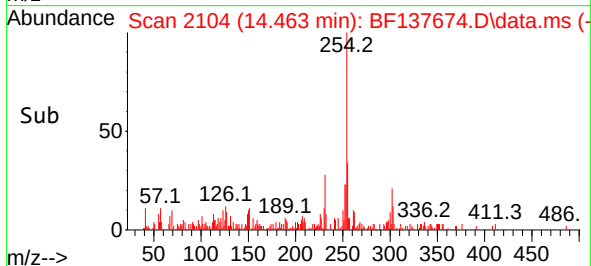
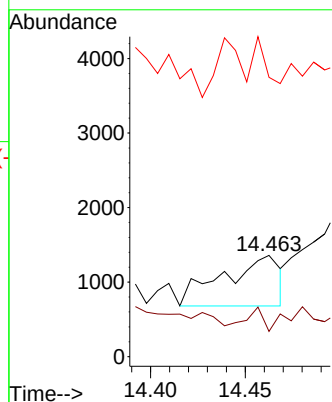
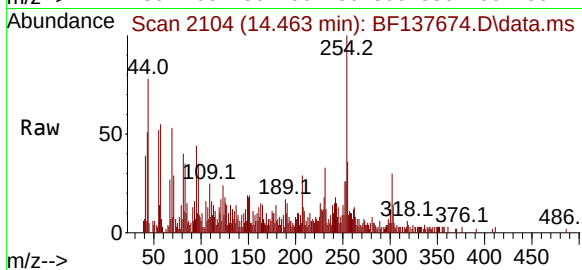
Tgt Ion:149 Resp: 1417

Ion Ratio Lower Upper

149 100

167 14.8 1.2 1.8#

43 0.0 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

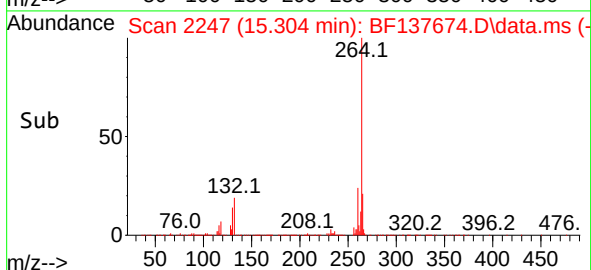
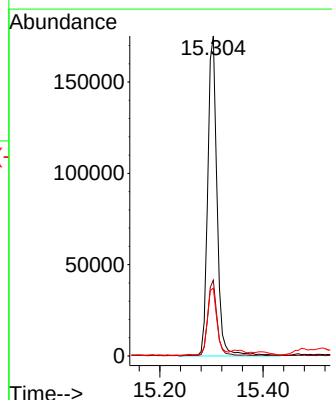
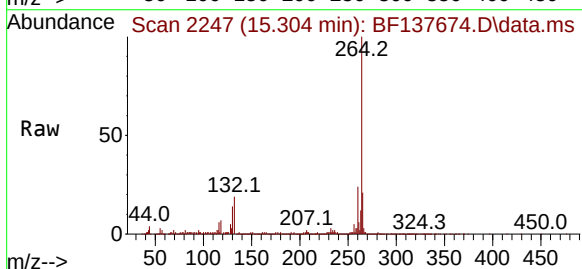
Tgt Ion:264 Resp: 219129

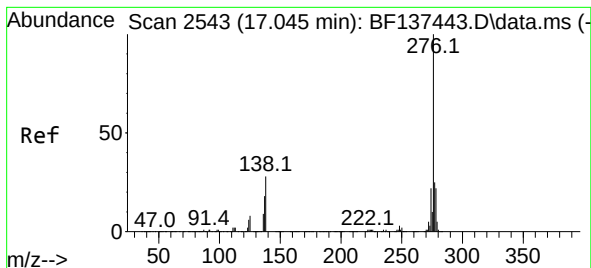
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.965 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

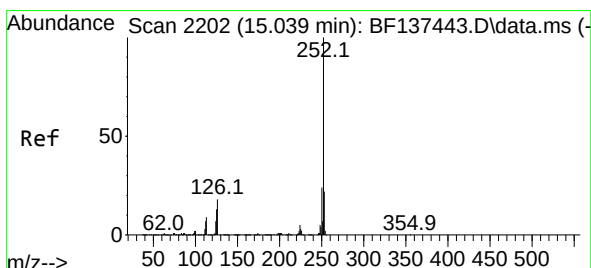
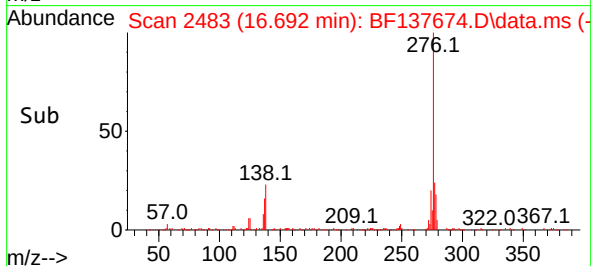
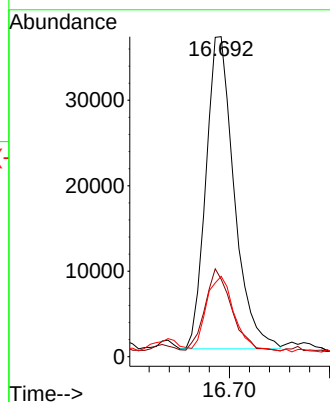
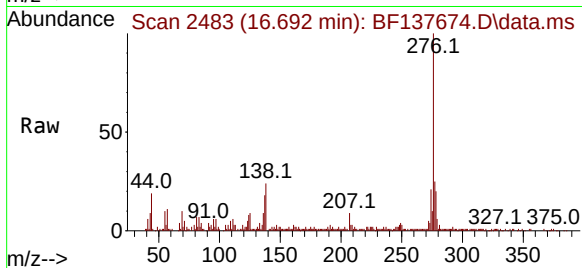
Tgt Ion:276 Resp: 71601

Ion Ratio Lower Upper

276 100

138 27.2 25.8 38.8

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 23.504 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

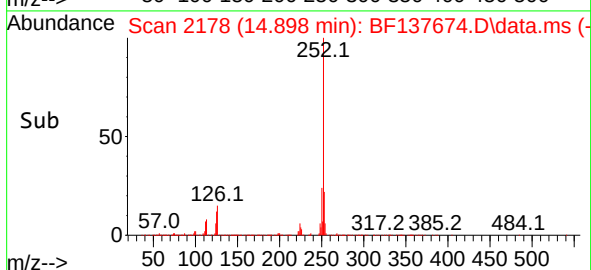
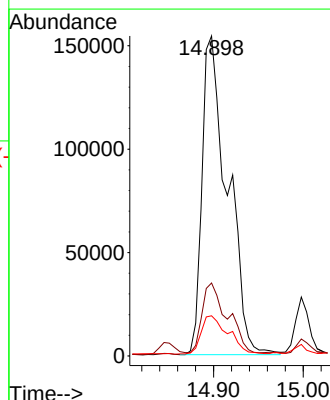
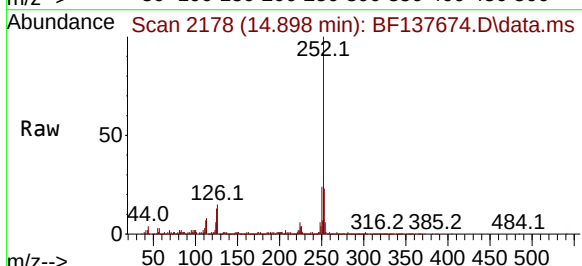
Tgt Ion:252 Resp: 304669

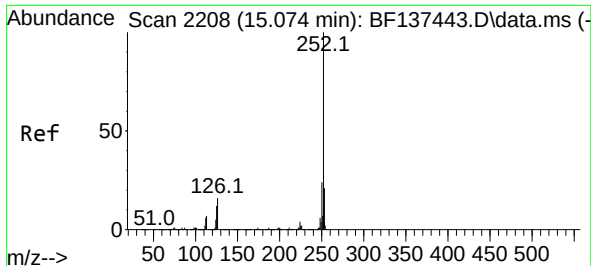
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 12.5 10.1 15.1

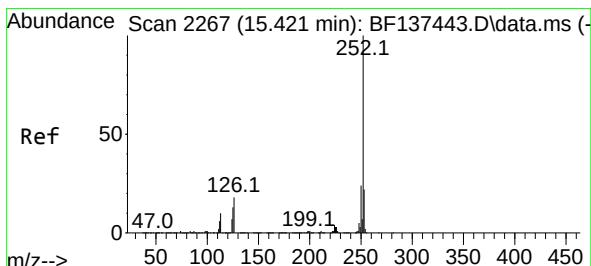
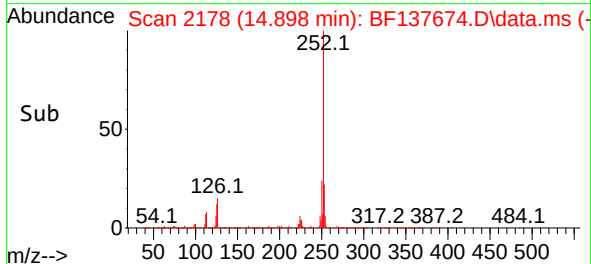
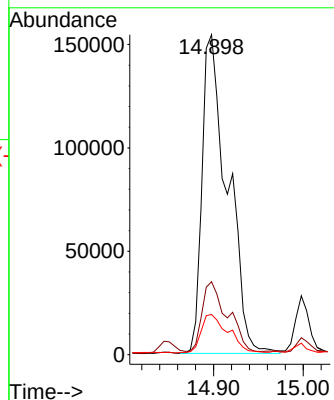
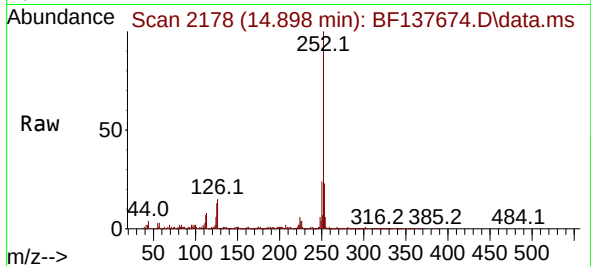




#89
Benzo(k)fluoranthene
Concen: 21.883 ng
RT: 14.898 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

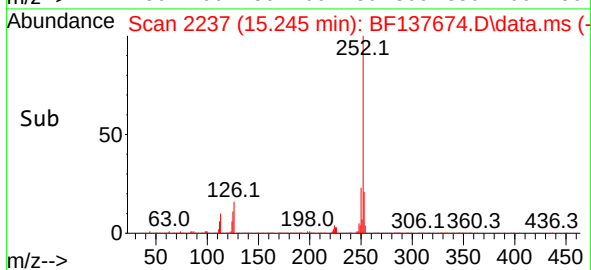
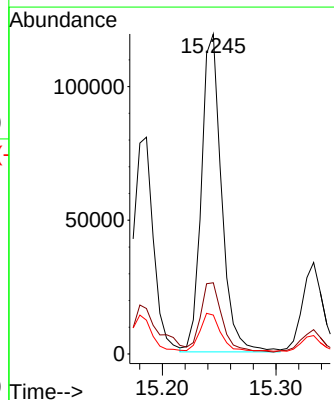
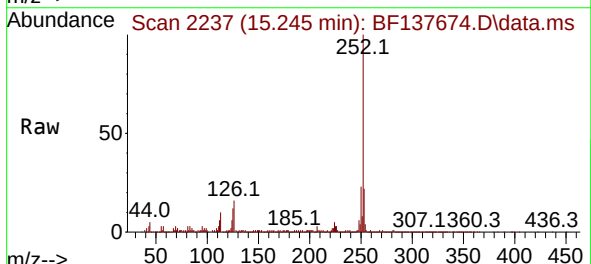
Instrument :
BNA_F
ClientSampleId :
B-148-SB03

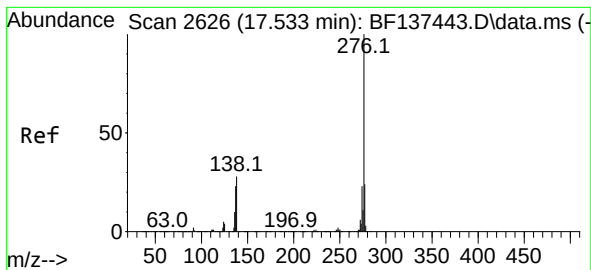
Tgt Ion:252 Resp: 304669
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 12.5 9.6 14.4



#90
Benzo(a)pyrene
Concen: 11.482 ng
RT: 15.245 min Scan# 2237
Delta R.T. 0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:252 Resp: 146673
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 12.2 10.4 15.6





#92
 Benzo(g,h,i)perylene
 Concen: 5.833 ng
 RT: 17.109 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF137674.D
 Acq: 21 Mar 2024 21:53

Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB03

Tgt Ion:	276	Resp:	70069
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.0	28.4
138	24.9	22.2	33.2

