

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137673.D
 Acq On : 21 Mar 2024 21:24
 Operator : CG\JU
 Sample : P1817-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB01

Quant Time: Mar 22 01:44:29 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

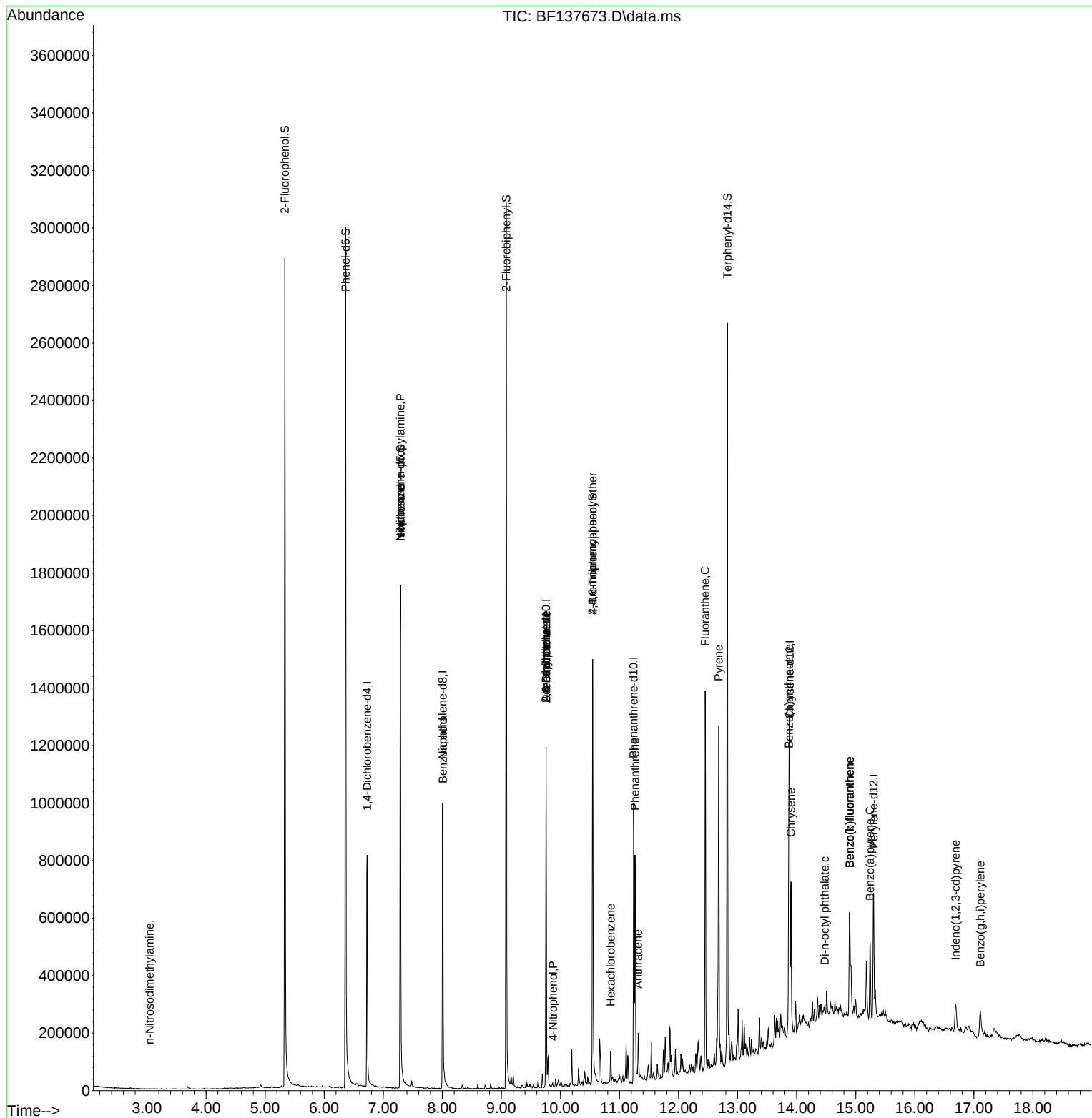
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	131702	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	476808	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	226067	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	364866	20.000	ng	0.00
76) Chrysene-d12	13.880	240	286073	20.000	ng	0.00
86) Perylene-d12	15.304	264	207668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	819846	94.280	ng	0.00
7) Phenol-d6	6.363	99	1082362	86.229	ng	0.00
23) Nitrobenzene-d5	7.292	82	630195	61.411	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	177159	89.237	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	941255	65.176	ng	0.00
79) Terphenyl-d14	12.827	244	866220	41.638	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.046	42	453	3.898	ng	# 1
19) n-Nitroso-di-n-propyla...	7.292	70	80844	10.430	ng	# 77
25) Isophorone	7.292	82	630195	32.325	ng	# 69
32) Benzoic acid	8.010	122	79	6.314	ng	# 1
50) Dimethylphthalate	9.757	163	34785	2.210	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	29799	9.053	ng	# 21
56) 4-Nitrophenol	9.875	139	135	4.578	ng	# 8
57) 2,4-Dinitrotoluene	9.757	165	29799	7.369	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	11856	2.983	ng	# 1
68) Hexachlorobenzene	10.851	284	11515	2.869	ng	97
71) Phenanthrene	11.263	178	295414	14.877	ng	99
72) Anthracene	11.316	178	77463	3.798	ng	98
75) Fluoranthene	12.451	202	515912	26.580	ng	99
78) Pyrene	12.680	202	467509	16.655	ng	100
81) Benzo(a)anthracene	13.868	228	232582	11.600	ng	99
83) Chrysene	13.904	228	198740	9.807	ng	97
85) Di-n-octyl phthalate	14.474	149	2350	5.725	ng	# 70
87) Indeno(1,2,3-cd)pyrene	16.692	276	66959	4.900	ng	# 91
88) Benzo(b)fluoranthene	14.898	252	260366	21.195	ng	100
89) Benzo(k)fluoranthene	14.898	252	260366	19.733	ng	98
90) Benzo(a)pyrene	15.245	252	131463	10.860	ng	99
92) Benzo(g,h,i)perylene	17.109	276	67869	5.961	ng	98

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

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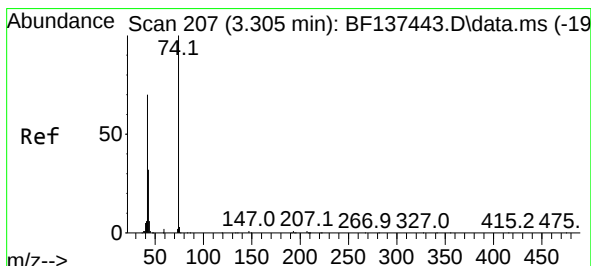
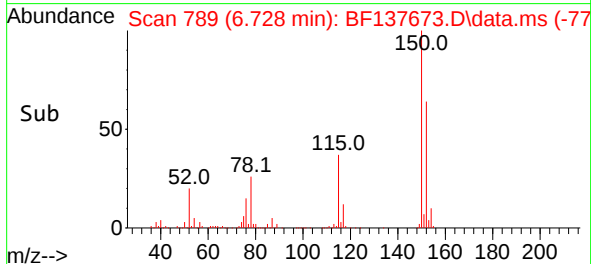
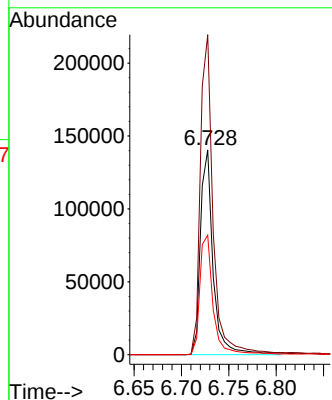
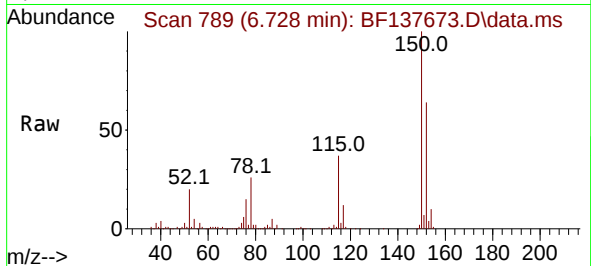




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

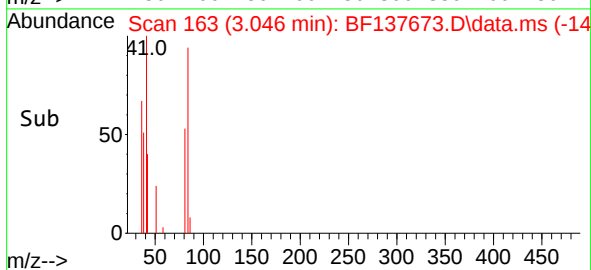
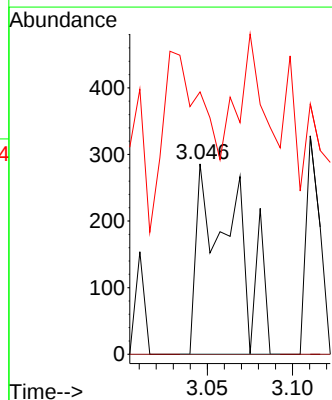
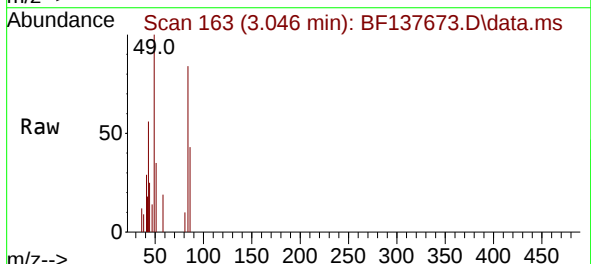
Instrument :
BNA_F
ClientSampleId :
B-148-SB01

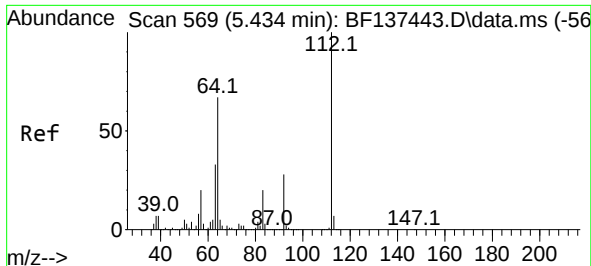
Tgt Ion:152 Resp: 131702
Ion Ratio Lower Upper
152 100
150 156.3 125.8 188.6
115 58.4 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.898 ng
RT: 3.046 min Scan# 163
Delta R.T. 0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion: 42 Resp: 453
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 137.8 7.0 10.4#

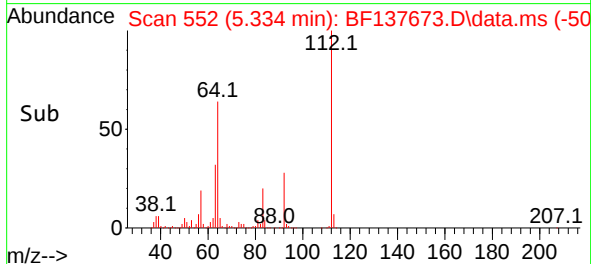
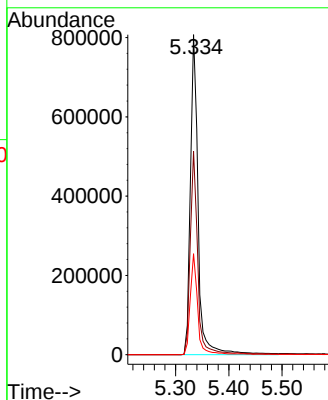
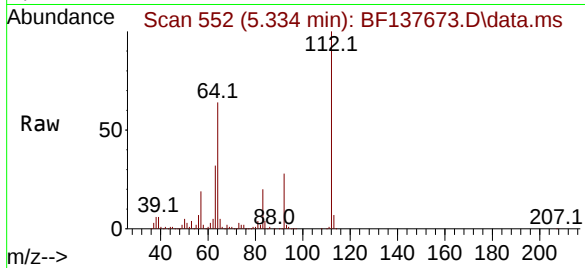




#5
2-Fluorophenol
Concen: 94.280 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

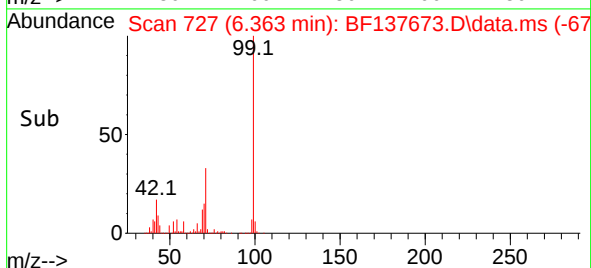
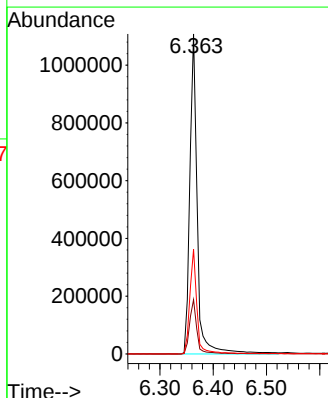
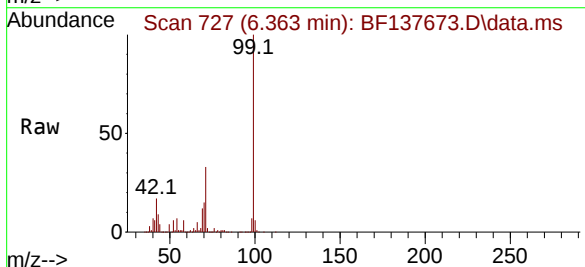
Instrument :
BNA_F
ClientSampleId :
B-148-SB01

Tgt Ion:112 Resp: 819846
Ion Ratio Lower Upper
112 100
64 63.6 53.4 80.2
63 31.5 26.2 39.2



#7
Phenol-d6
Concen: 86.229 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion: 99 Resp: 1082362
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 32.7 25.3 37.9

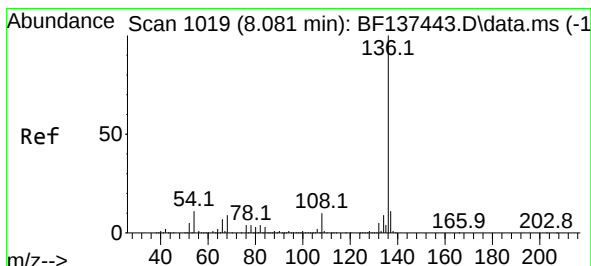
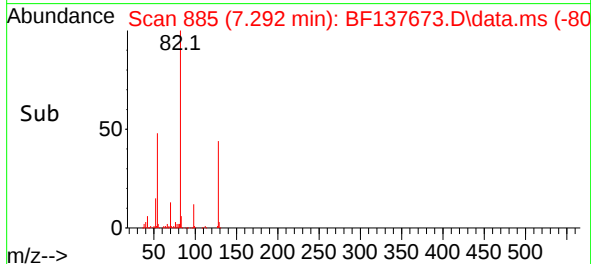
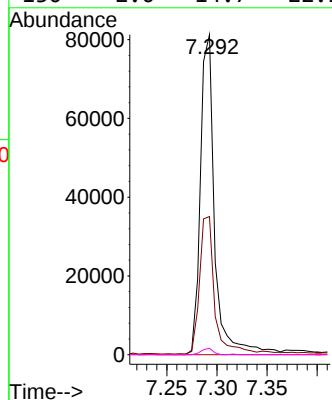
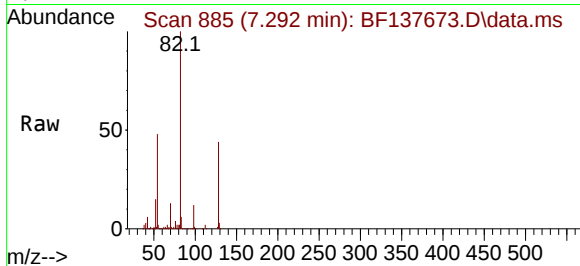




#19
n-Nitroso-di-n-propylamine
Concen: 10.430 ng
RT: 7.292 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

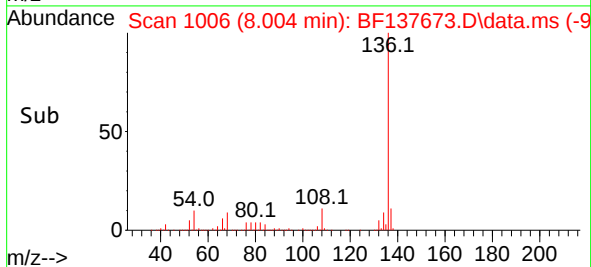
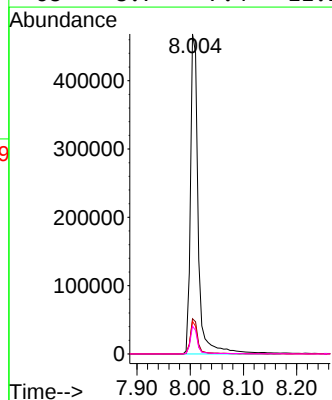
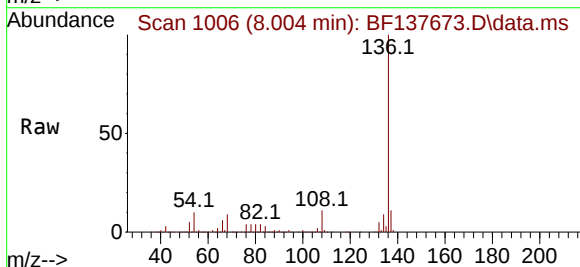
Instrument :
BNA_F
ClientSampleId :
B-148-SB01

Tgt Ion:	70	Resp:	80844
Ion	Ratio	Lower	Upper
70	100		
42	43.1	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: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:	136	Resp:	476808
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.2	8.5	12.7
68	8.7	7.4	11.2





#23

Nitrobenzene-d5

Concen: 61.411 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

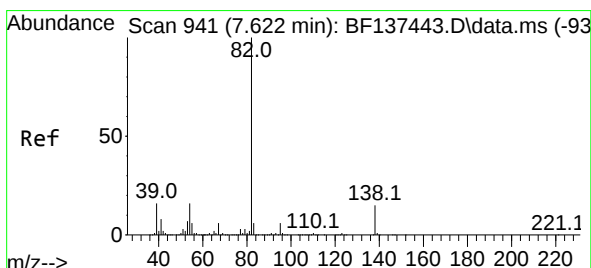
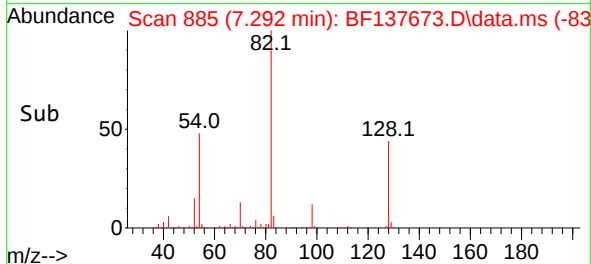
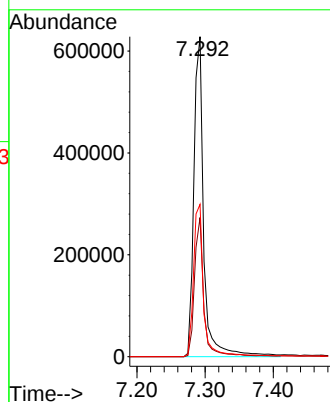
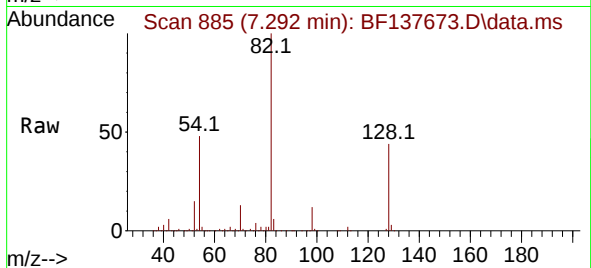
Tgt Ion: 82 Resp: 630195

Ion Ratio Lower Upper

82 100

128 43.5 32.5 48.7

54 47.6 41.5 62.3



#25

Isophorone

Concen: 32.325 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.259 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

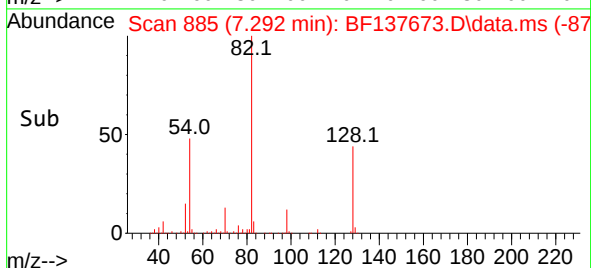
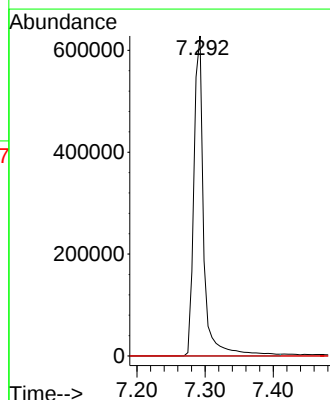
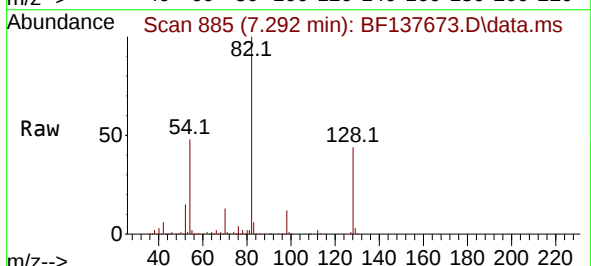
Tgt Ion: 82 Resp: 630195

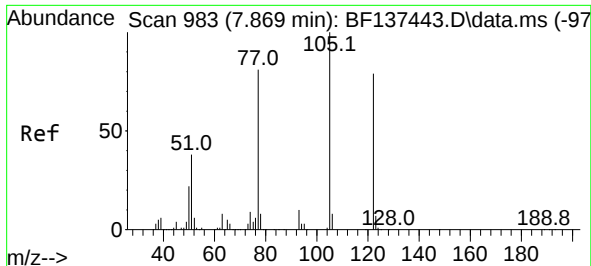
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

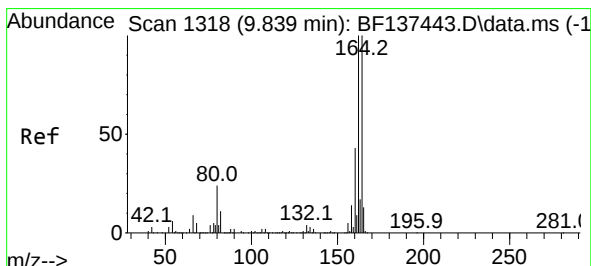
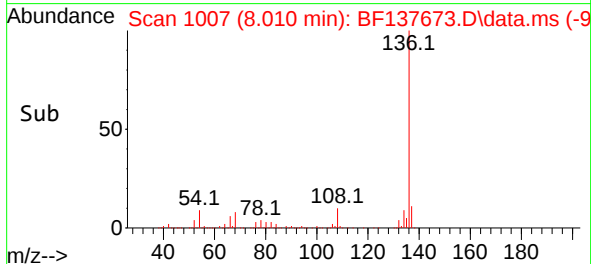
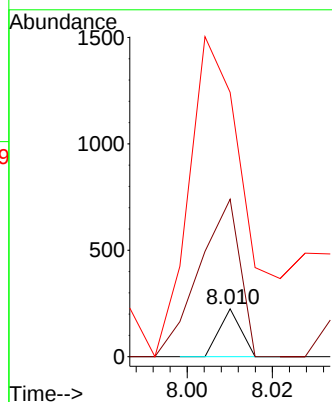
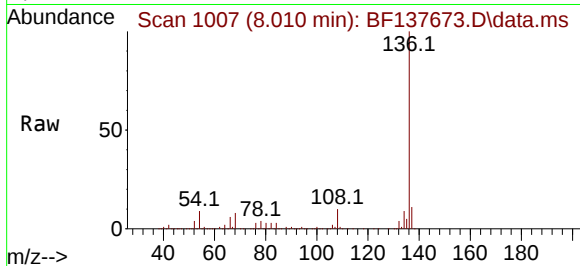




#32
Benzoic acid
Concen: 6.314 ng
RT: 8.010 min Scan# 10
Delta R.T. 0.212 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

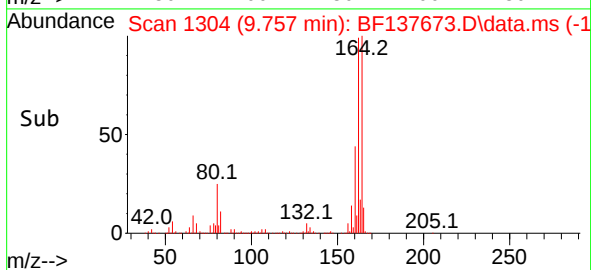
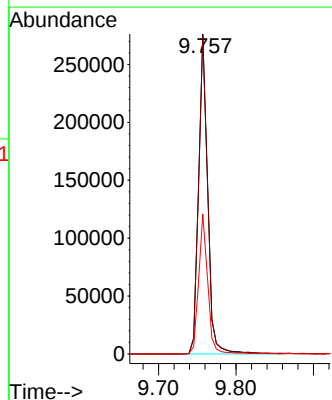
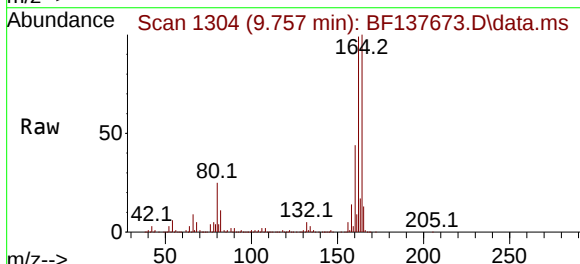
Instrument :
BNA_F
ClientSampleId :
B-148-SB01

Tgt Ion:122 Resp: 79
Ion Ratio Lower Upper
122 100
105 328.9 102.4 142.4#
77 552.0 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: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:164 Resp: 226067
Ion Ratio Lower Upper
164 100
162 99.4 79.8 119.8
160 43.7 34.4 51.6

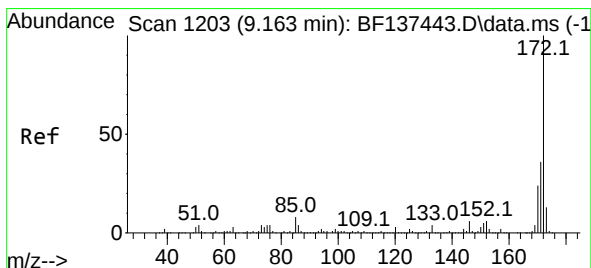
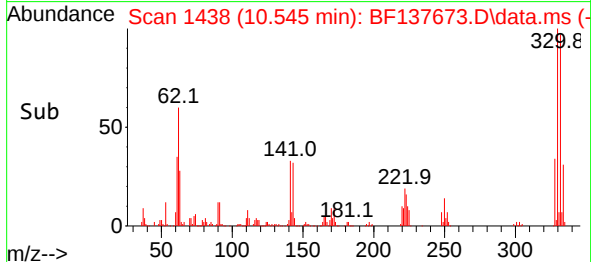
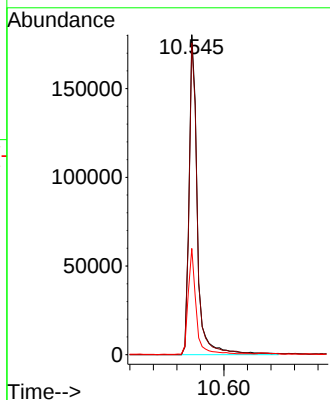
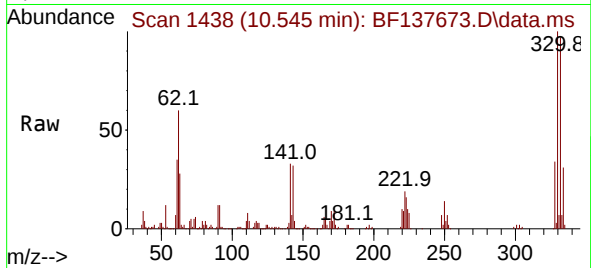




#42
2,4,6-Tribromophenol
Concen: 89.237 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

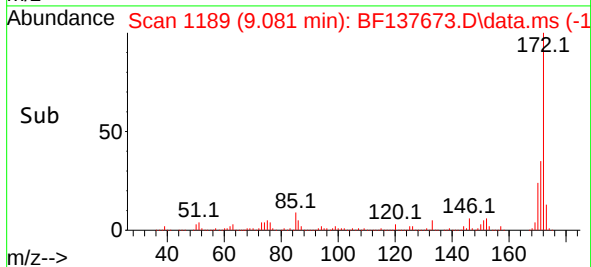
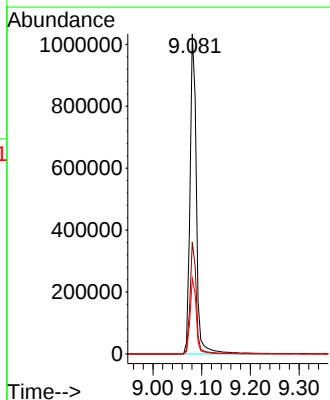
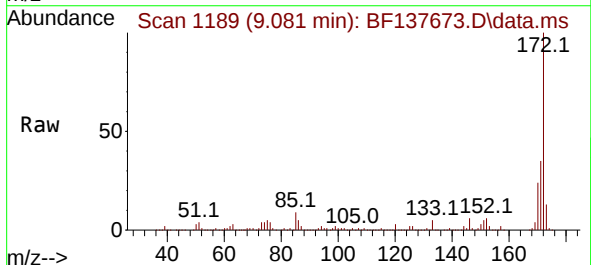
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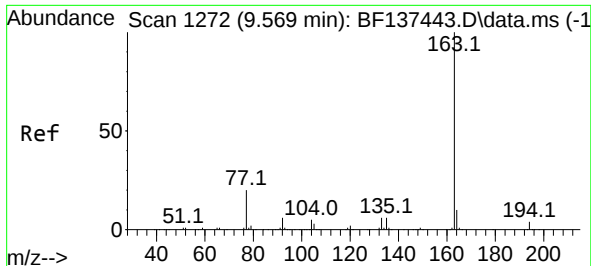
Tgt Ion:330 Resp: 177159
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 31.5 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 65.176 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:172 Resp: 941255
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.6 19.0 28.6

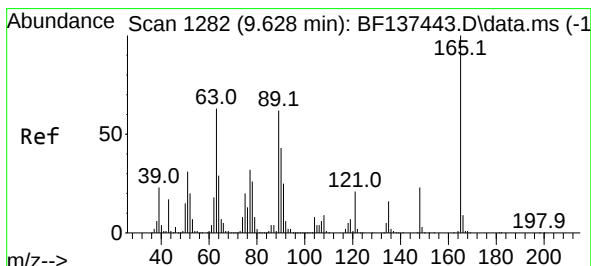
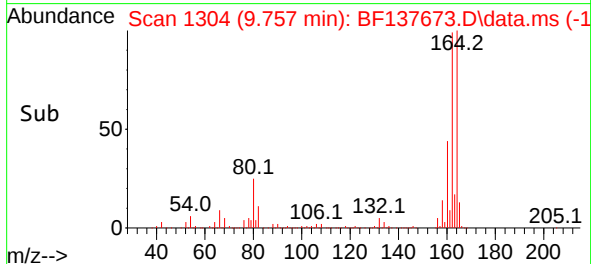
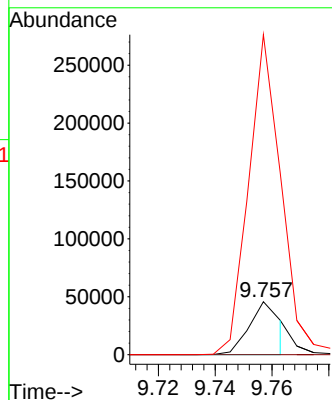
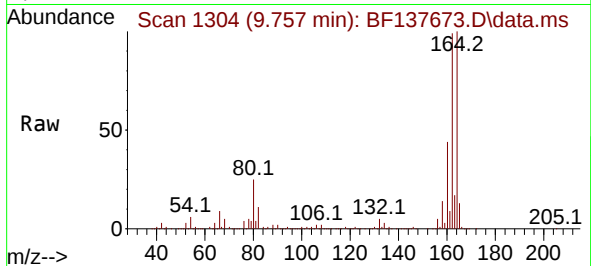




#50
Dimethylphthalate
Concen: 2.210 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

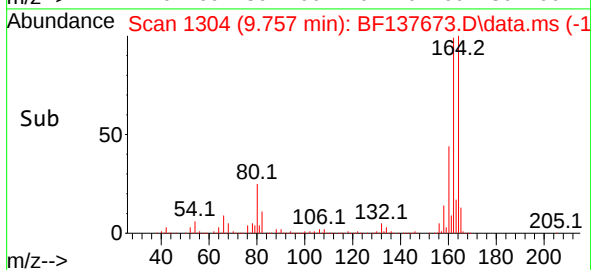
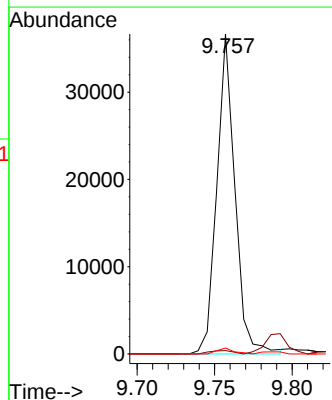
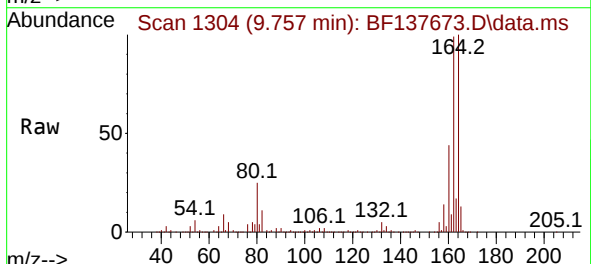
Instrument :
BNA_F
ClientSampleId :
B-148-SB01

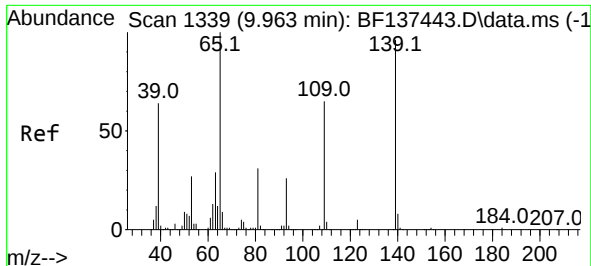
Tgt Ion:163 Resp: 34785
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 604.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.053 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:165 Resp: 29799
Ion Ratio Lower Upper
165 100
63 1.1 50.7 76.1#
89 1.9 50.0 75.0#

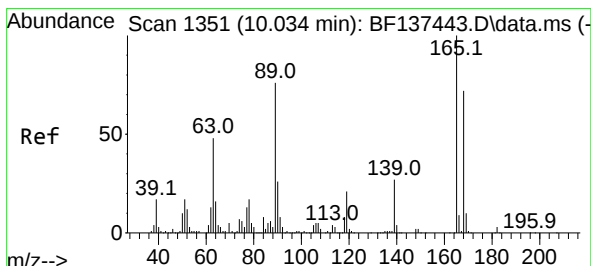
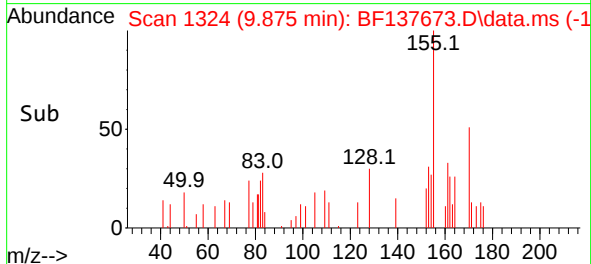
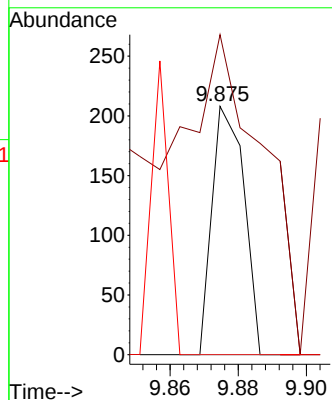
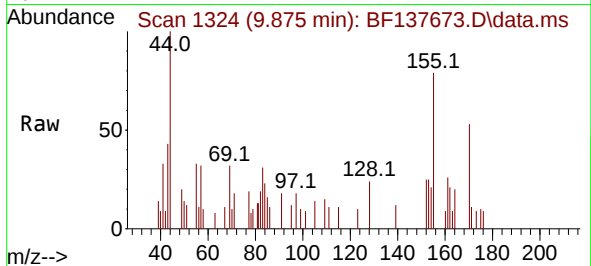




#56
4-Nitrophenol
Concen: 4.578 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

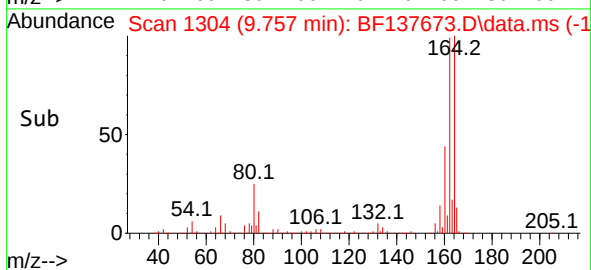
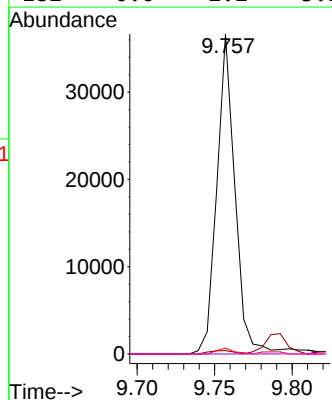
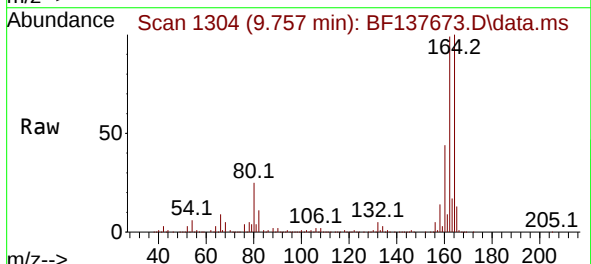
Instrument :
BNA_F
ClientSampleId :
B-148-SB01

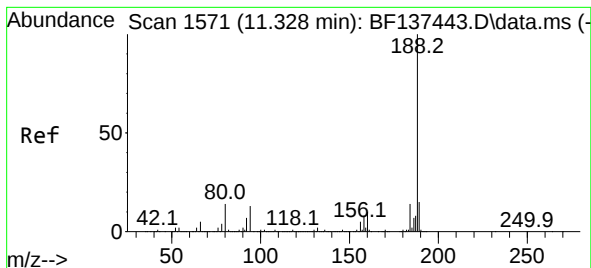
Tgt Ion:139 Resp: 135
Ion Ratio Lower Upper
139 100
109 128.8 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.369 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:165 Resp: 29799
Ion Ratio Lower Upper
165 100
63 1.1 39.0 58.6#
89 1.9 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: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

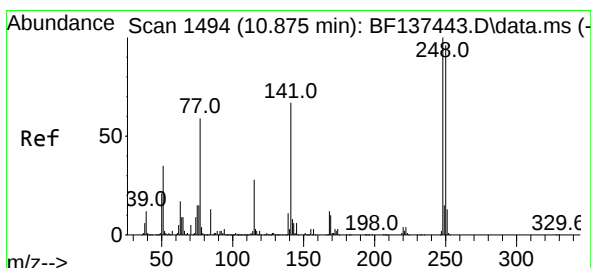
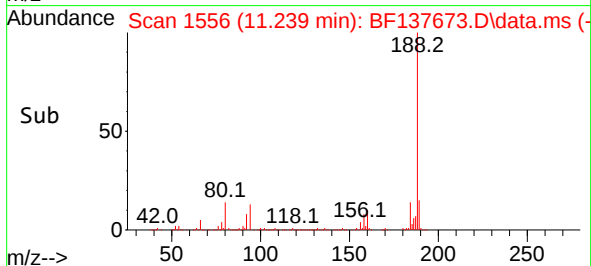
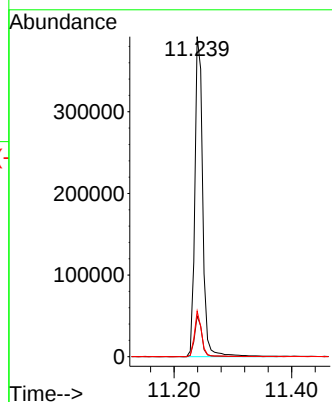
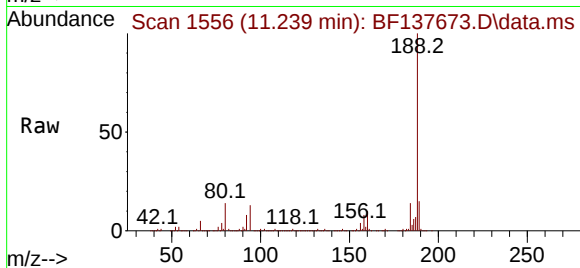
Tgt Ion:188 Resp: 364866

Ion Ratio Lower Upper

188 100

94 12.7 10.6 15.8

80 14.3 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 2.983 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.247 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

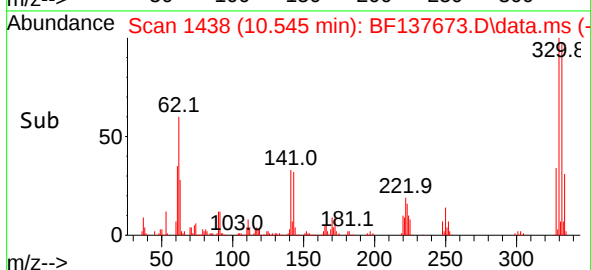
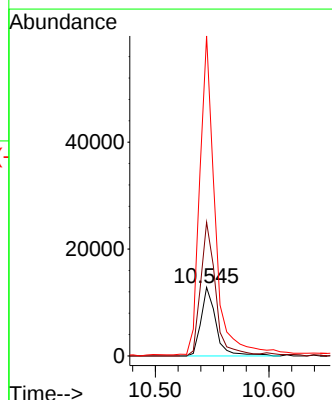
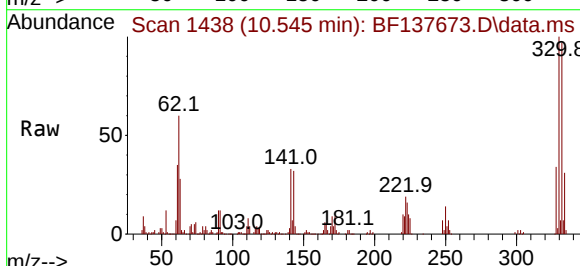
Tgt Ion:248 Resp: 11856

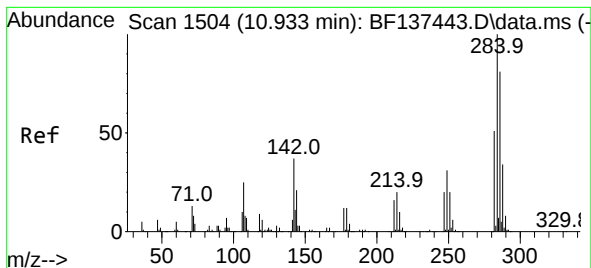
Ion Ratio Lower Upper

248 100

250 195.0 76.8 115.2#

141 466.6 53.4 80.0#

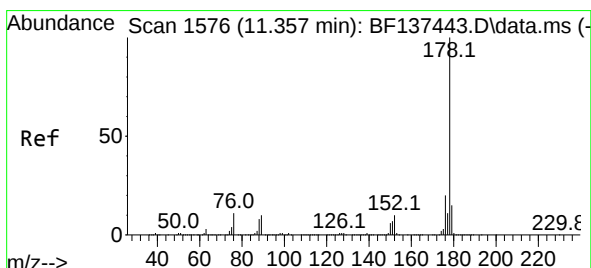
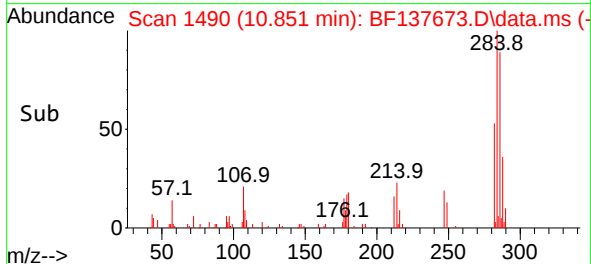
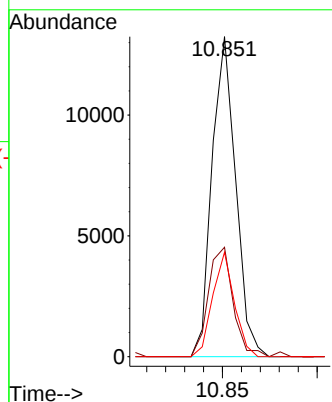
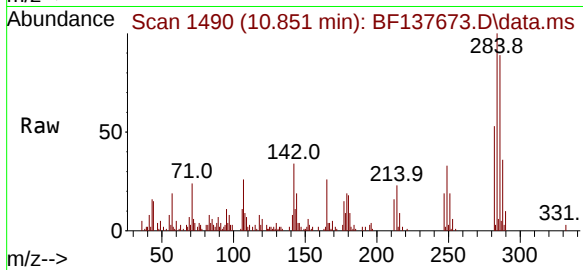




#68
Hexachlorobenzene
Concen: 2.869 ng
RT: 10.851 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

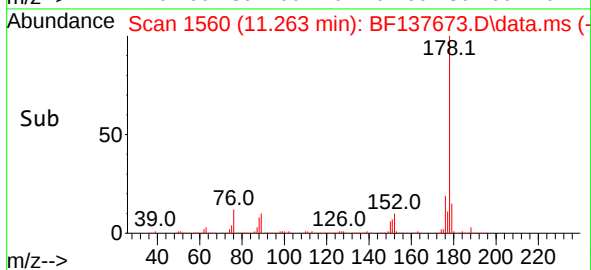
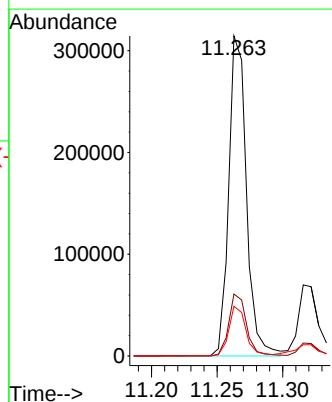
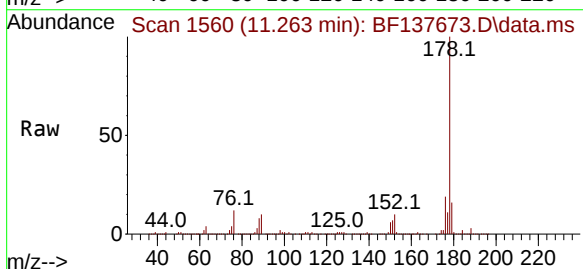
Instrument :
BNA_F
ClientSampleId :
B-148-SB01

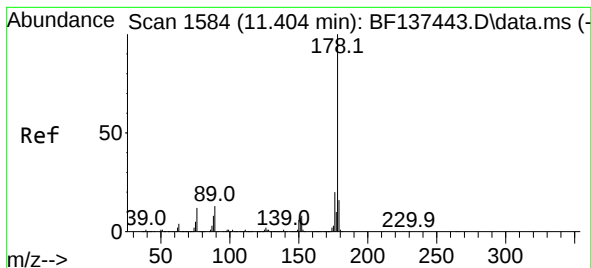
Tgt Ion:284 Resp: 11515
Ion Ratio Lower Upper
284 100
142 34.2 29.4 44.0
249 32.6 25.0 37.4



#71
Phenanthrene
Concen: 14.877 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:178 Resp: 295414
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 12.2 18.2





#72

Anthracene

Concen: 3.798 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

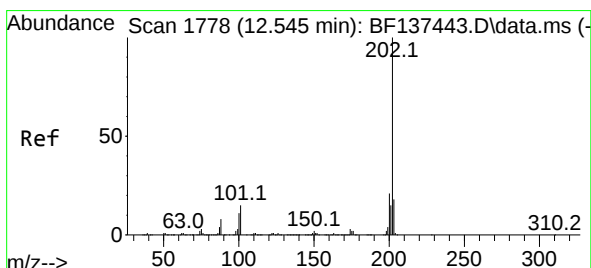
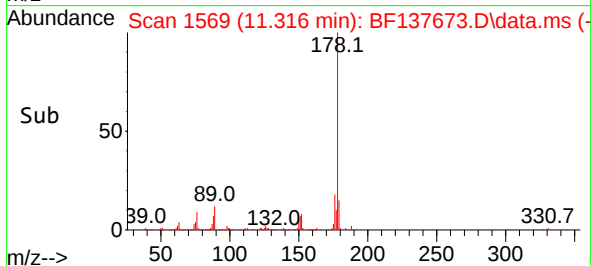
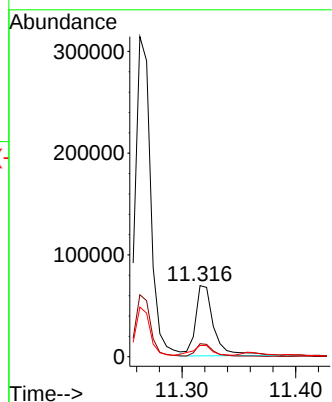
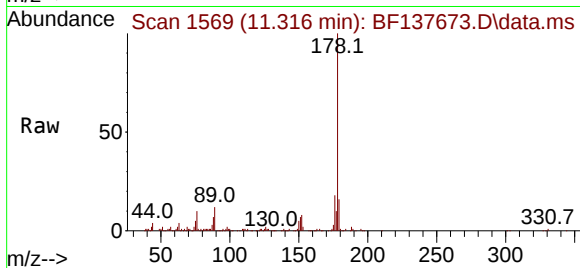
Tgt Ion:178 Resp: 77463

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

179 15.8 12.7 19.1



#75

Fluoranthene

Concen: 26.580 ng

RT: 12.451 min Scan# 1762

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

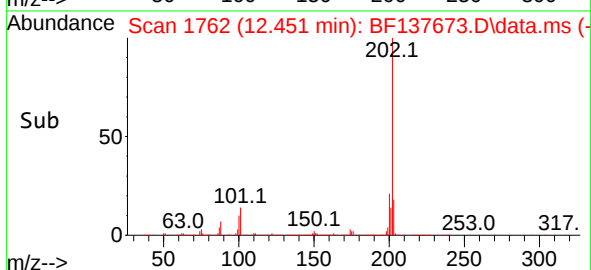
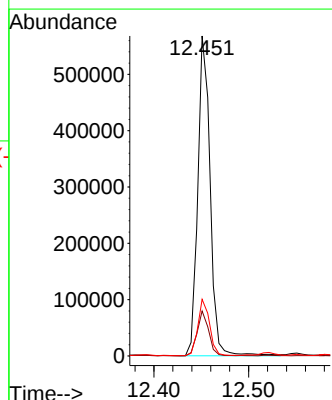
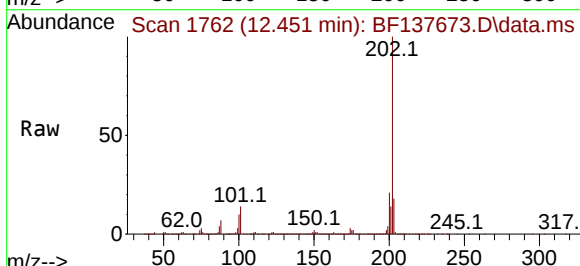
Tgt Ion:202 Resp: 515912

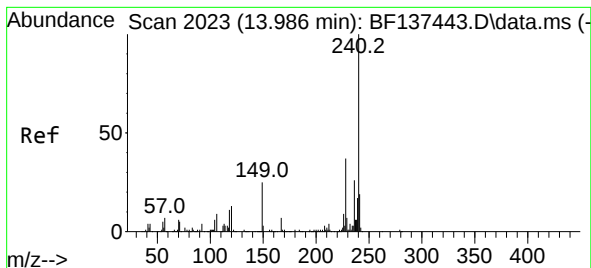
Ion Ratio Lower Upper

202 100

101 14.1 0.0 35.0

203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

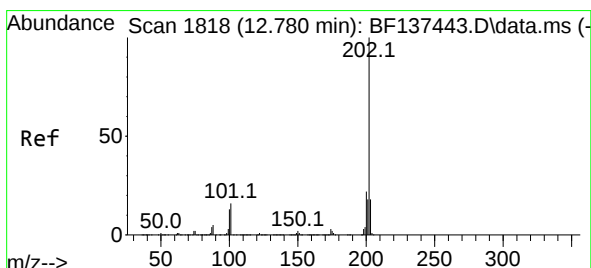
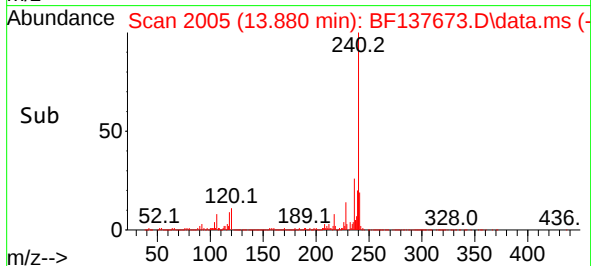
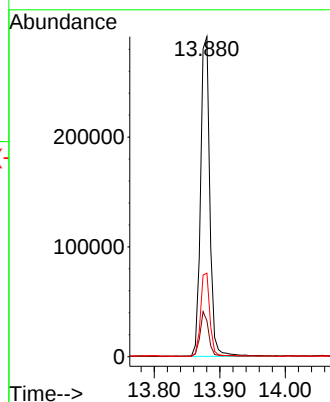
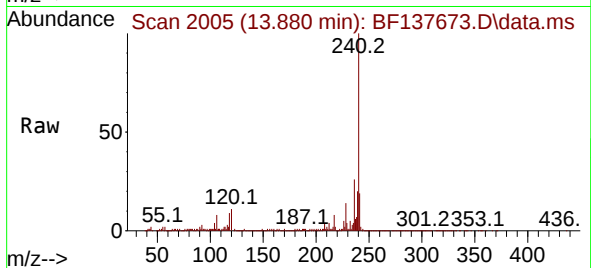
Tgt Ion:240 Resp: 286073

Ion Ratio Lower Upper

240 100

120 11.2 10.4 15.6

236 26.1 20.9 31.3



#78

Pyrene

Concen: 16.655 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

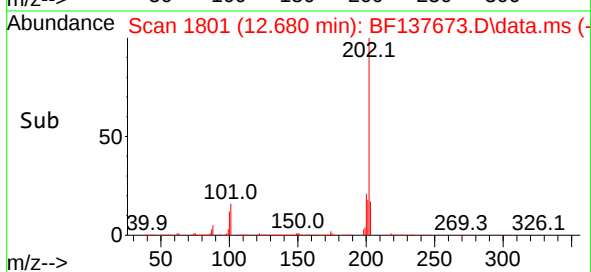
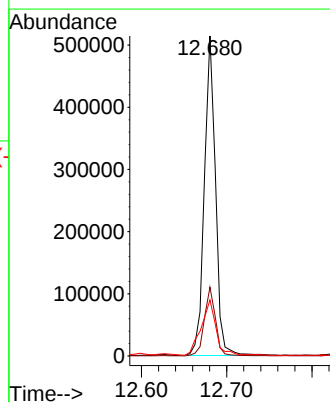
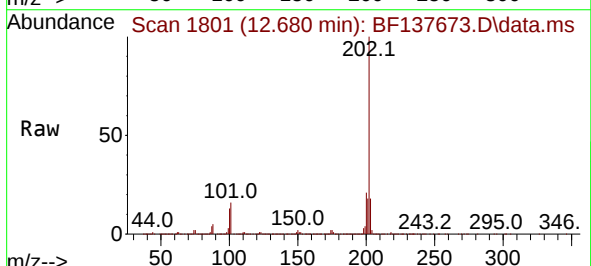
Tgt Ion:202 Resp: 467509

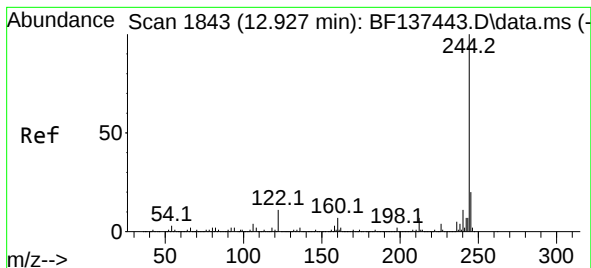
Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 41.638 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

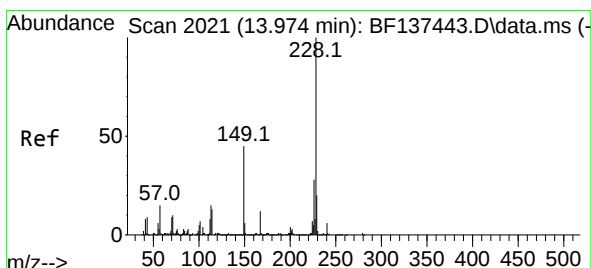
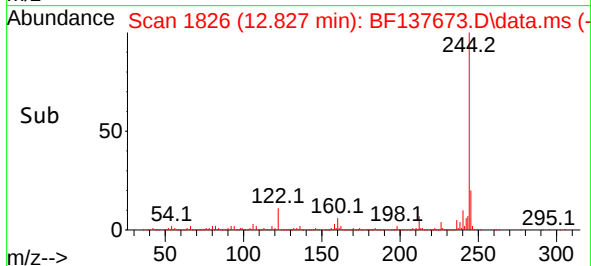
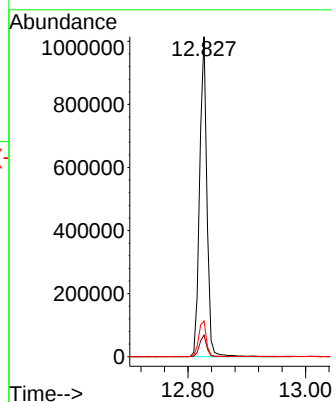
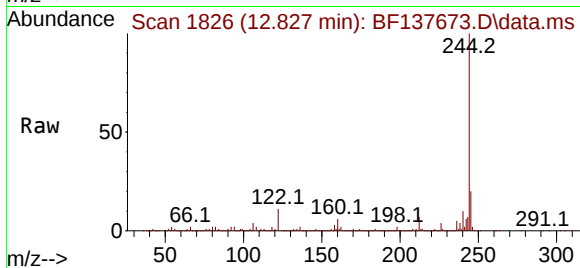
Tgt Ion:244 Resp: 866220

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.2 9.1 13.7



#81

Benzo(a)anthracene

Concen: 11.600 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

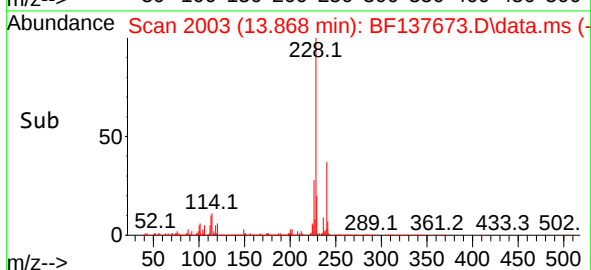
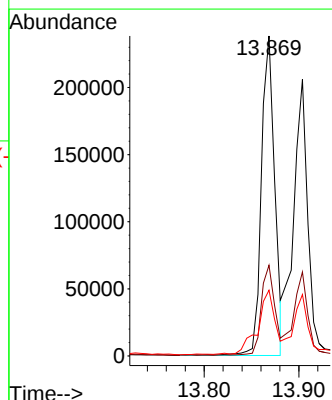
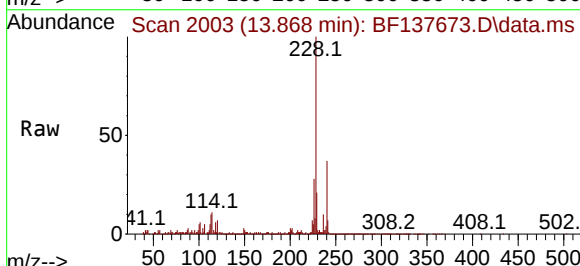
Tgt Ion:228 Resp: 232582

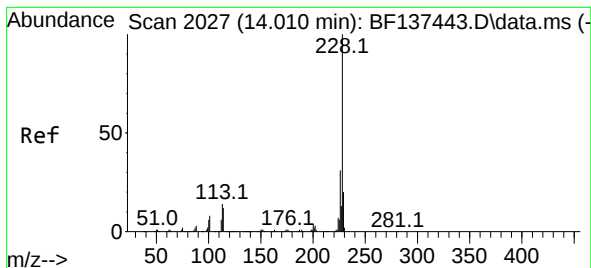
Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

229 20.5 16.3 24.5





#83

Chrysene

Concen: 9.807 ng

RT: 13.904 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

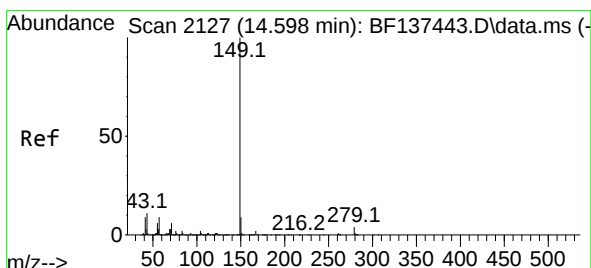
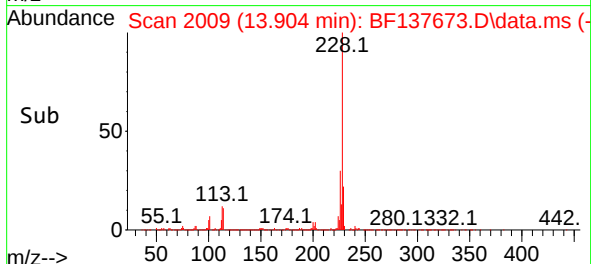
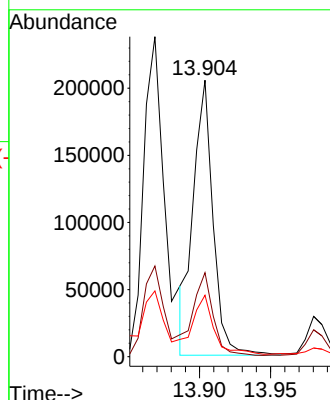
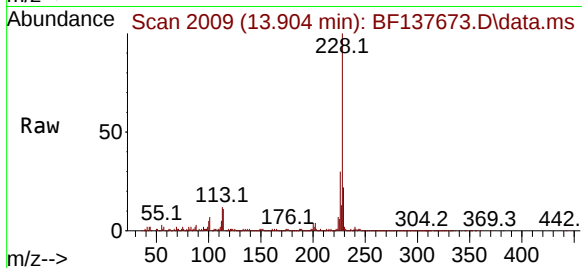
Tgt Ion:228 Resp: 198740

Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

229 22.2 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.725 ng

RT: 14.474 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

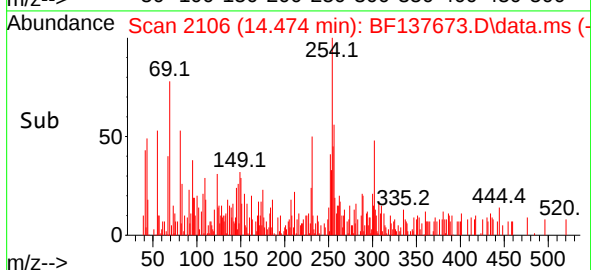
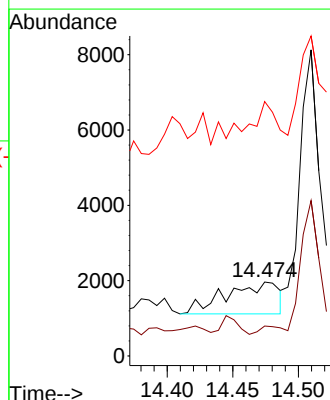
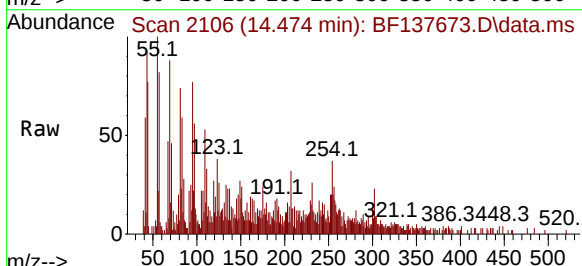
Tgt Ion:149 Resp: 2350

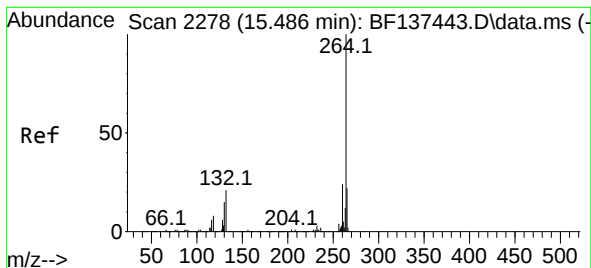
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 24.8 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

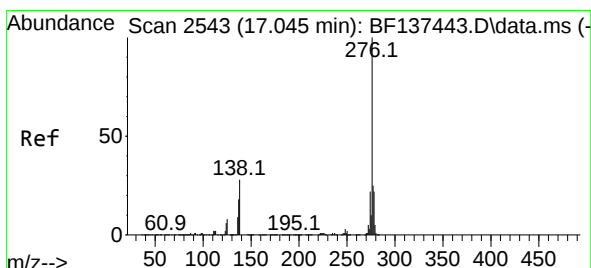
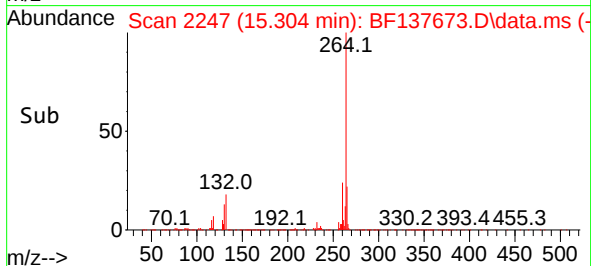
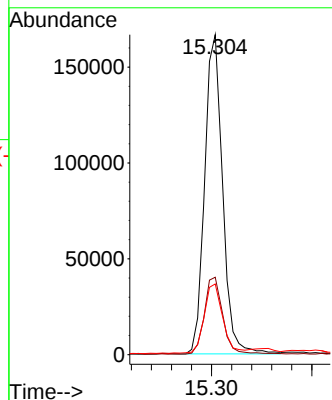
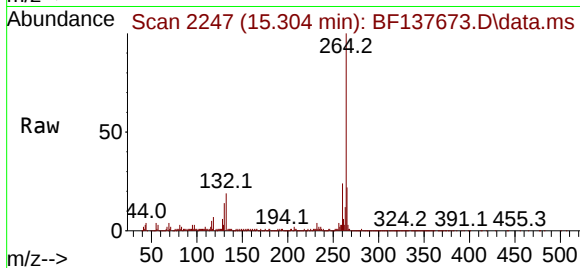
Tgt Ion:264 Resp: 207668

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

265 22.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.900 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

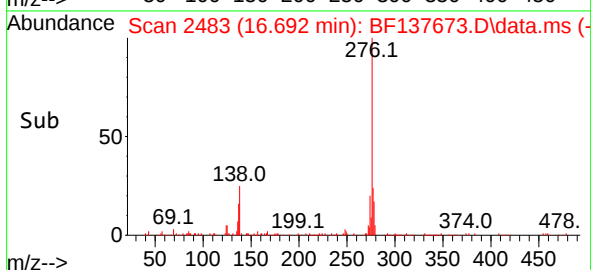
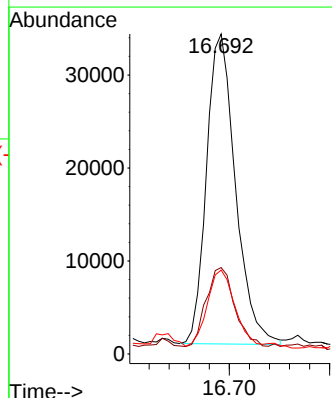
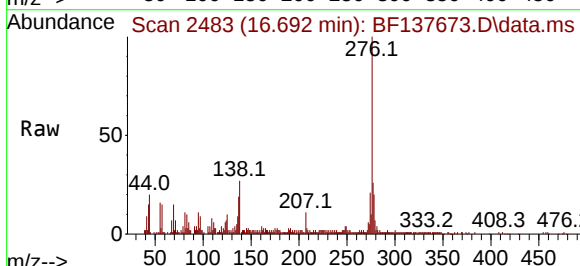
Tgt Ion:276 Resp: 66959

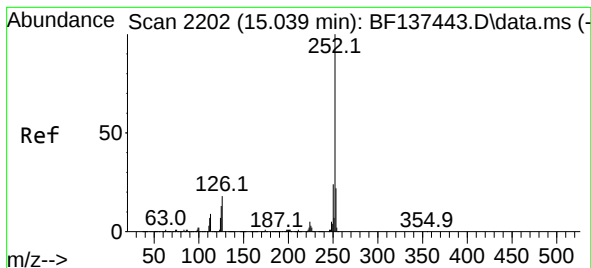
Ion Ratio Lower Upper

276 100

138 25.0 25.8 38.8#

277 23.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 21.195 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

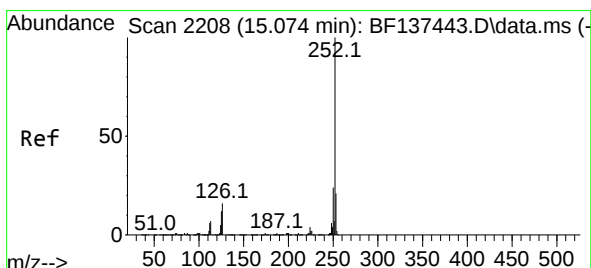
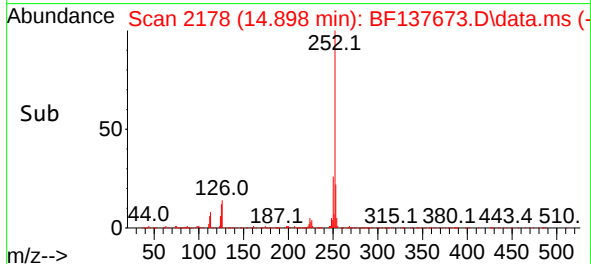
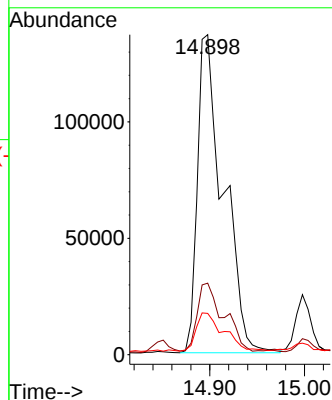
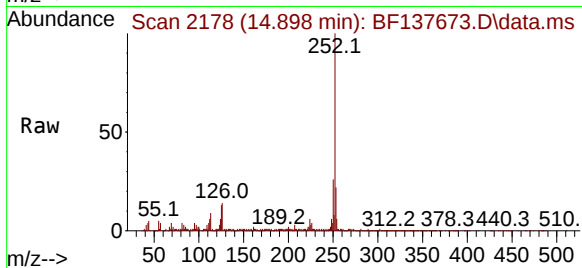
Tgt Ion:252 Resp: 260366

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 12.9 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 19.733 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.024 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

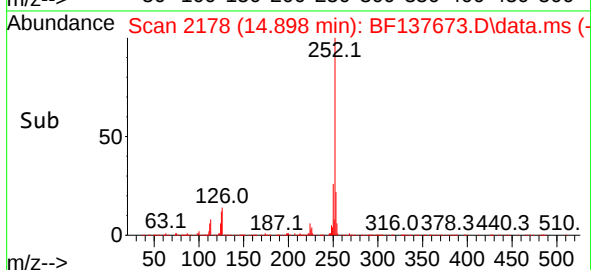
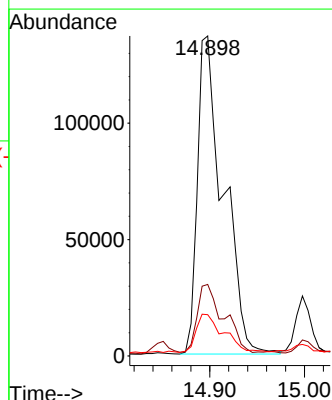
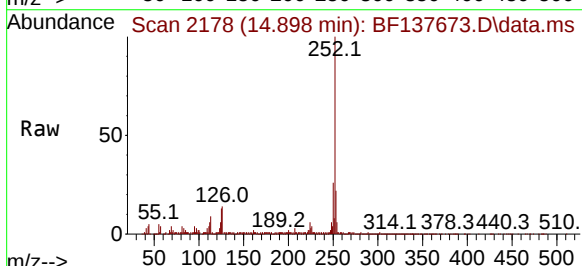
Tgt Ion:252 Resp: 260366

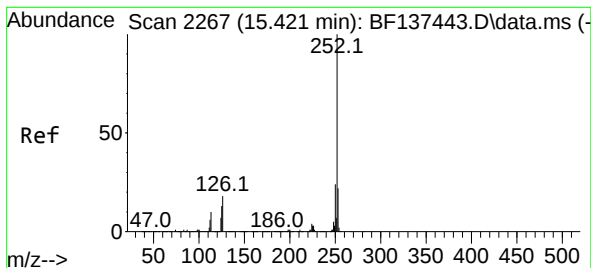
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 12.9 9.6 14.4





#90

Benzo(a)pyrene

Concen: 10.860 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

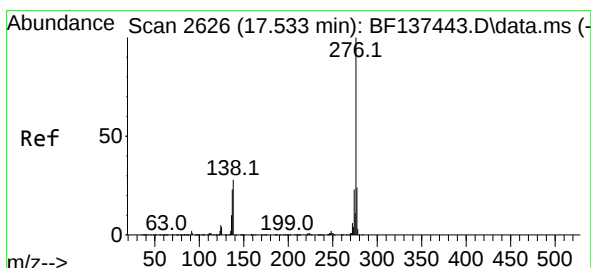
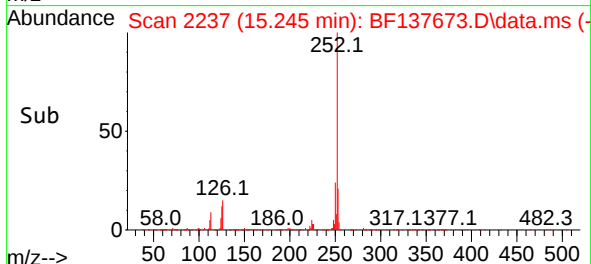
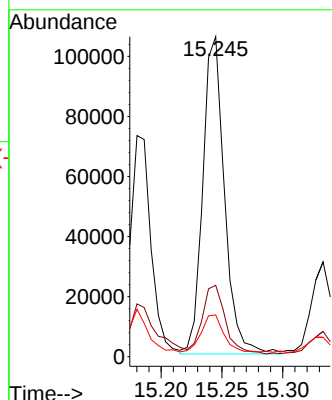
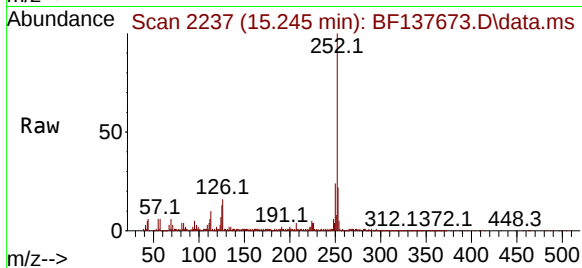
Tgt Ion:252 Resp: 131463

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 13.1 10.4 15.6



#92

Benzo(g,h,i)perylene

Concen: 5.961 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Tgt Ion:276 Resp: 67869

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 27.0 22.2 33.2

