

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137776.D
 Acq On : 30 Apr 2024 18:00
 Operator : CG\JU
 Sample : P2294-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-2

Quant Time: May 01 04:24:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

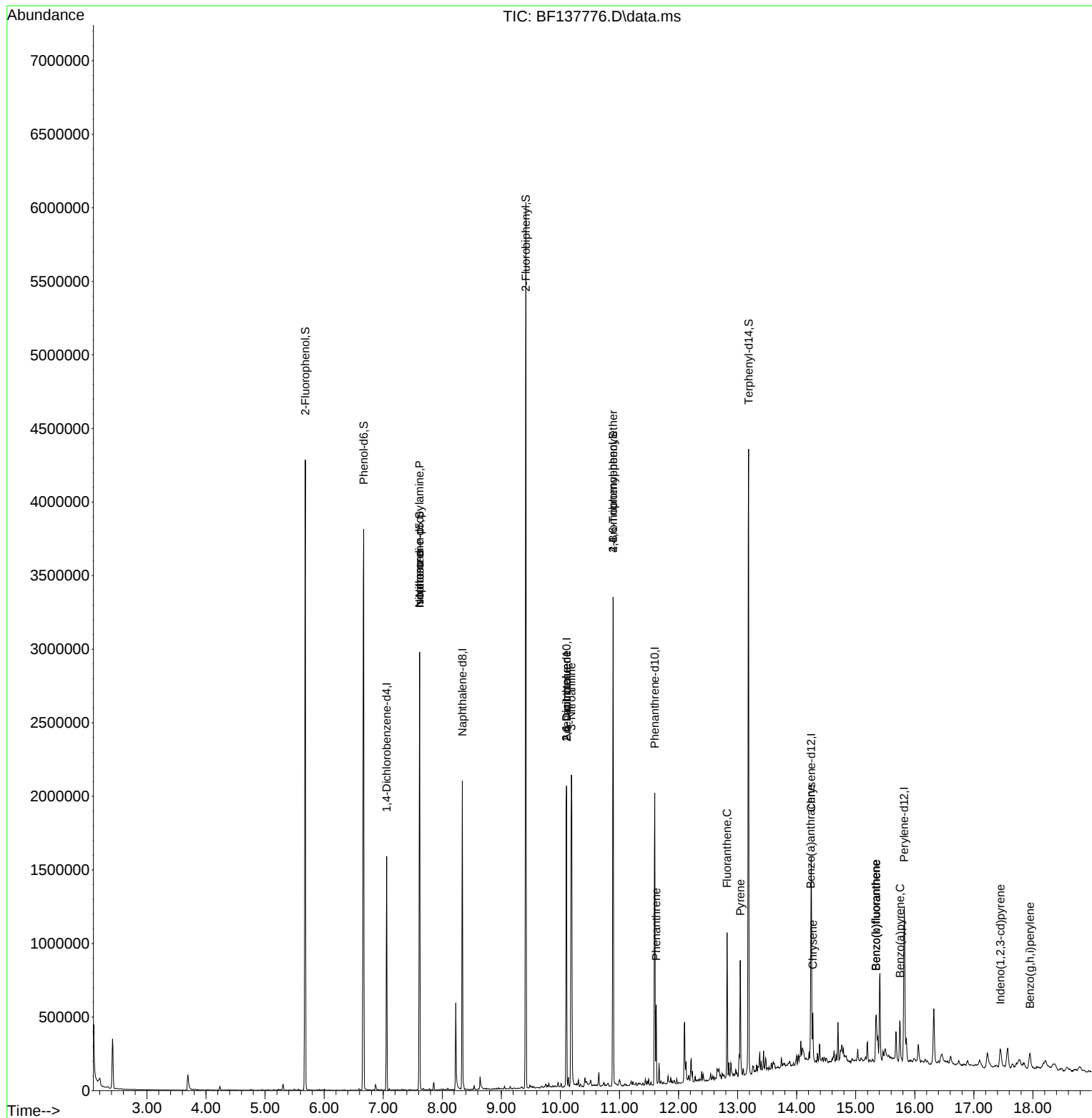
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	217826	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	829987	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	441340	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	685454	20.000	ng	0.00
76) Chrysene-d12	14.245	240	410238	20.000	ng	0.00
86) Perylene-d12	15.821	264	513325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	1169746	89.911	ng	0.00
7) Phenol-d6	6.669	99	1467310	88.917	ng	0.00
23) Nitrobenzene-d5	7.616	82	884609	61.922	ng	0.00
42) 2,4,6-Tribromophenol	10.892	330	394810	87.615	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	1777905	65.356	ng	0.00
79) Terphenyl-d14	13.186	244	1503955	61.438	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.616	70	115636	11.726	ng	# 79
25) Isophorone	7.616	82	884599	34.343	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	57516	9.033	ng	# 26
53) 3-Nitroaniline	10.186	138	21560	3.233	ng	# 6
57) 2,4-Dinitrotoluene	10.104	165	57516	6.914	ng	# 26
67) 4-Bromophenyl-phenylether	10.892	248	26369	3.595	ng	# 1
71) Phenanthrene	11.622	178	200606	6.004	ng	97
75) Fluoranthene	12.822	202	348807	9.551	ng	99
78) Pyrene	13.045	202	293244	9.015	ng	98
81) Benzo(a)anthracene	14.239	228	145075	5.529	ng	98
83) Chrysene	14.274	228	139250	5.668	ng	97
87) Indeno(1,2,3-cd)pyrene	17.451	276	95002	3.255	ng	95
88) Benzo(b)fluoranthene	15.345	252	270321	8.464	ng	99
89) Benzo(k)fluoranthene	15.345	252	270321	8.757	ng	99
90) Benzo(a)pyrene	15.751	252	144596	5.549	ng	96
92) Benzo(g,h,i)perylene	17.951	276	90988	3.654	ng	97

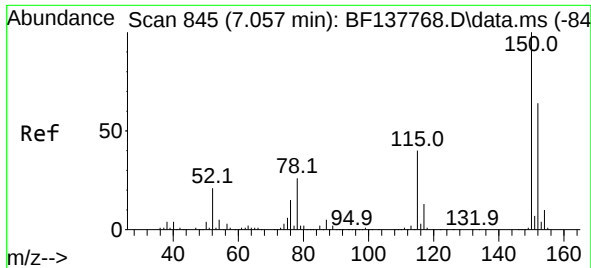
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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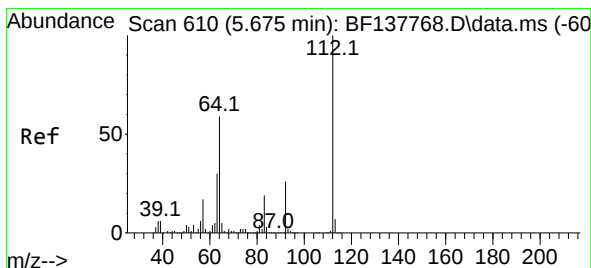
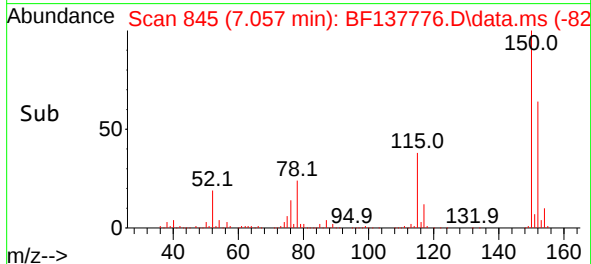
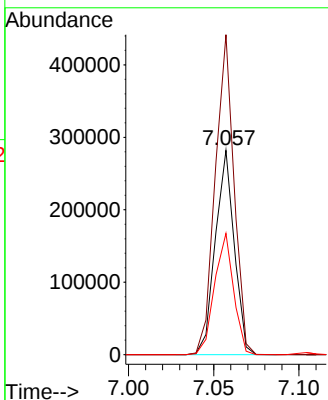
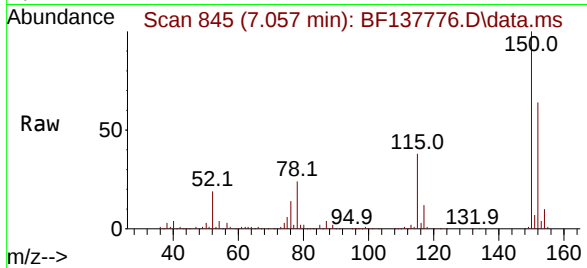




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

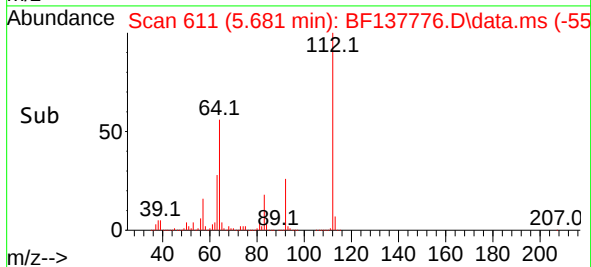
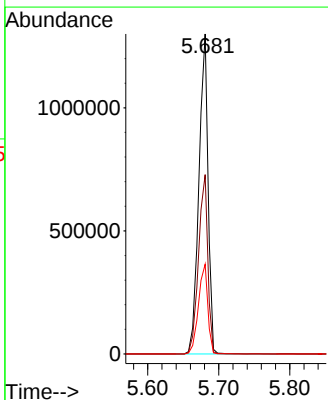
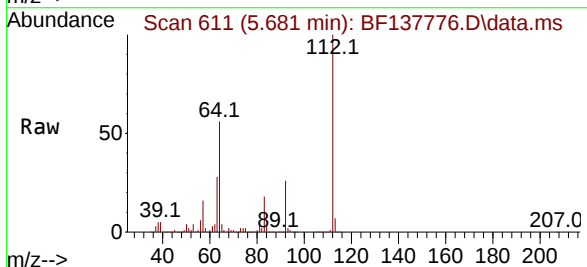
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BNA_F
ClientSampleId :
FOOT-PRINT-B-2

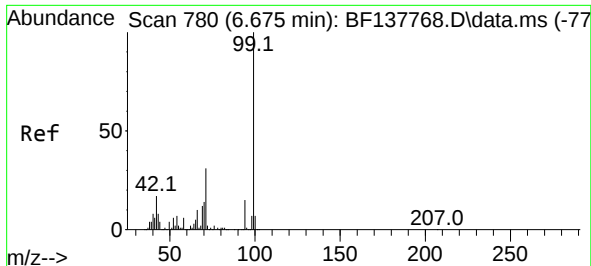
Tgt Ion:152 Resp: 217826
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 59.3 49.1 73.7



#5
2-Fluorophenol
Concen: 89.911 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

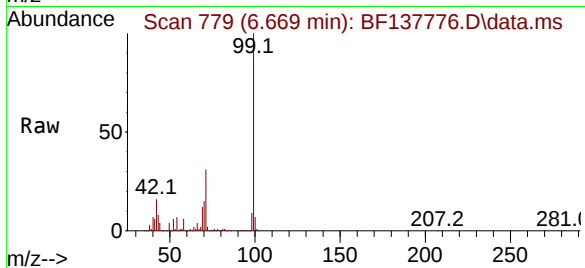
Tgt Ion:112 Resp: 1169746
Ion Ratio Lower Upper
112 100
64 56.1 47.3 70.9
63 28.1 23.7 35.5





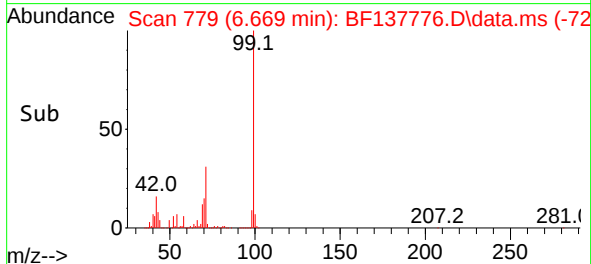
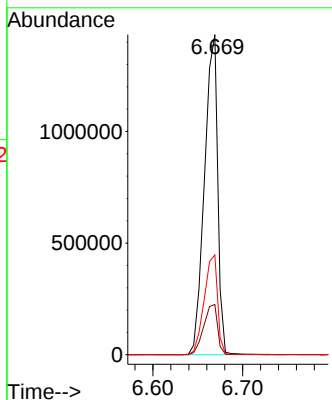
#7
Phenol-d6
Concen: 88.917 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1467310

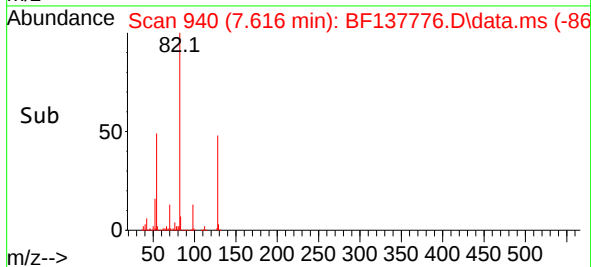
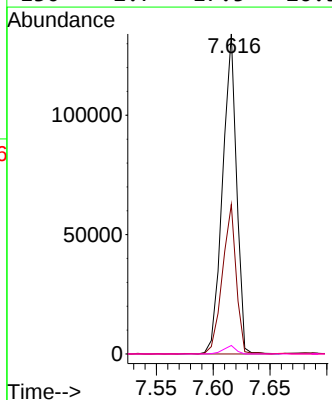
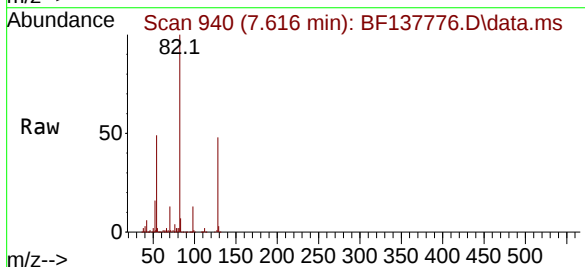
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.2	19.8
71	31.2	25.0	37.4

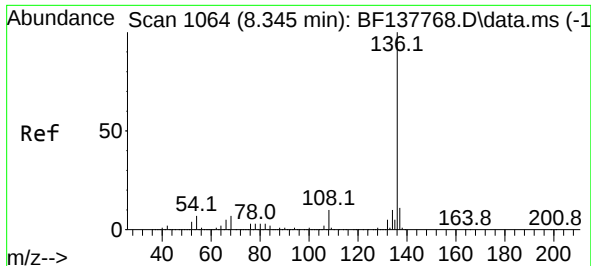


#19
n-Nitroso-di-n-propylamine
Concen: 11.726 ng
RT: 7.616 min Scan# 940
Delta R.T. 0.153 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion: 70 Resp: 115636

Ion	Ratio	Lower	Upper
70	100		
42	46.7	44.6	66.8
101	0.0	7.8	11.6#
130	2.7	17.5	26.3#



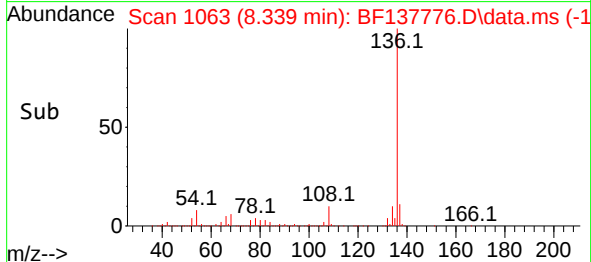
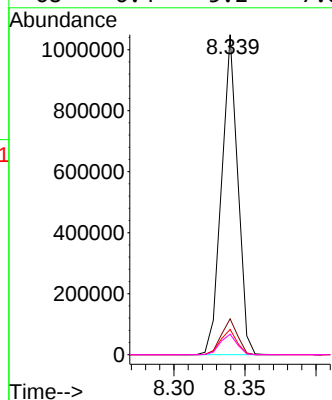
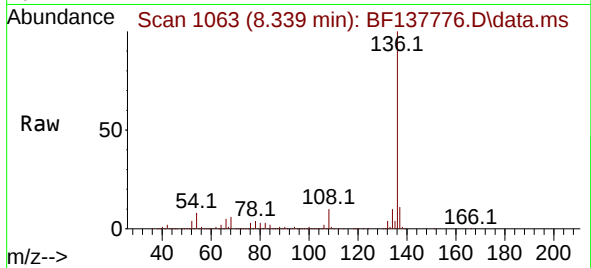


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2

Tgt Ion:136 Resp: 829987

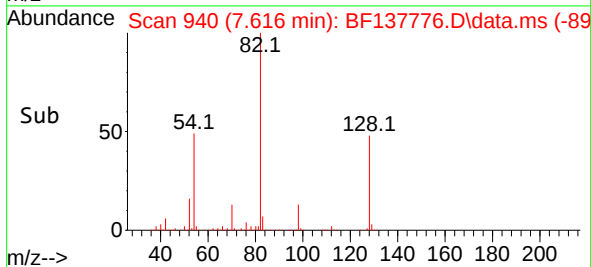
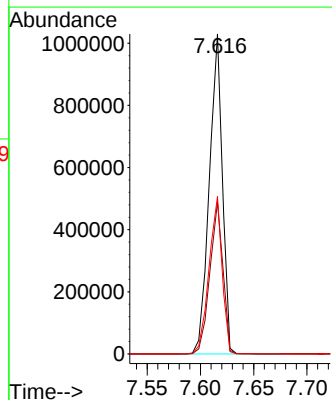
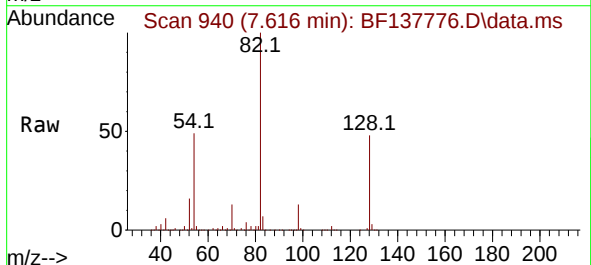
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.9	5.8	8.8
68	6.4	5.2	7.8



#23
Nitrobenzene-d5
Concen: 61.922 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion: 82 Resp: 884609

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.5	56.3
54	49.2	39.8	59.6

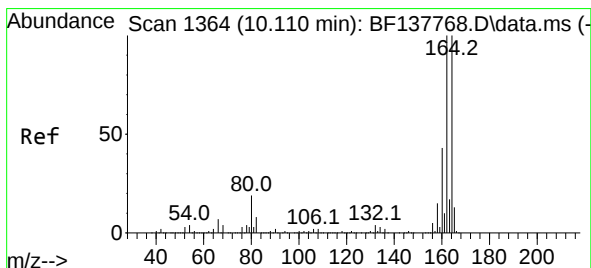
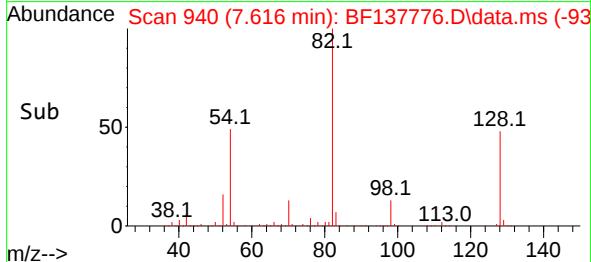
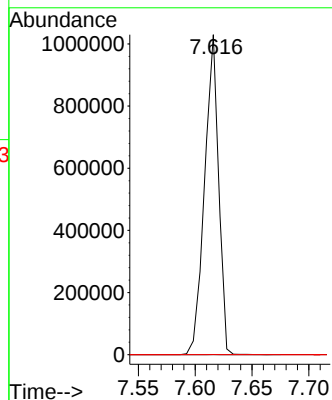
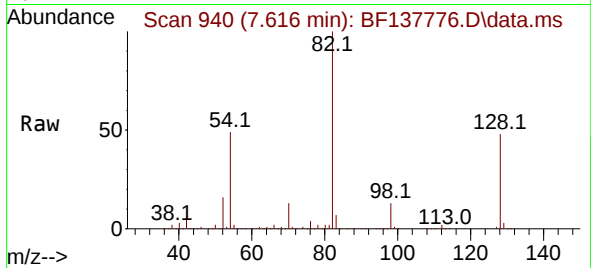




#25
Isophorone
Concen: 34.343 ng
RT: 7.616 min Scan# 94
Delta R.T. -0.259 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

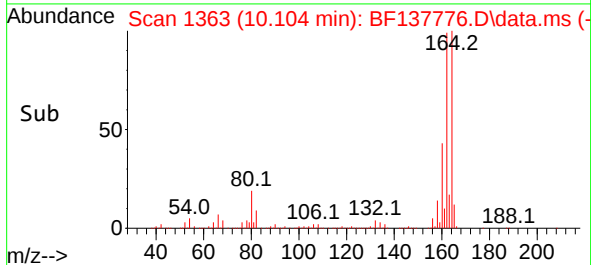
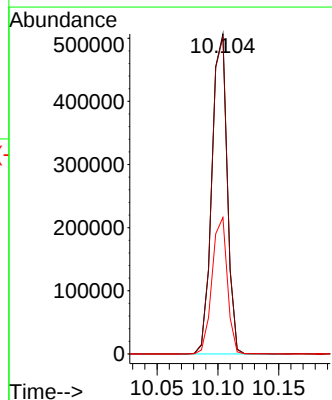
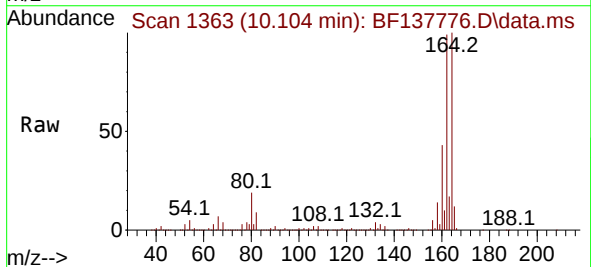
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2

Tgt Ion: 82 Resp: 884599
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion:164 Resp: 441340
Ion Ratio Lower Upper
164 100
162 99.0 79.8 119.6
160 42.6 34.4 51.6

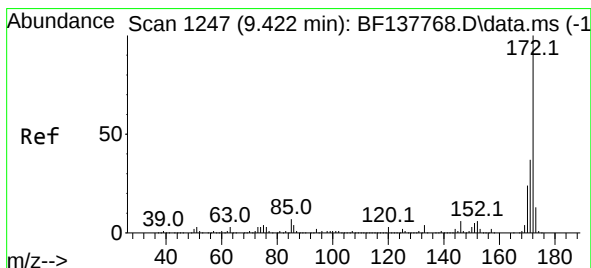
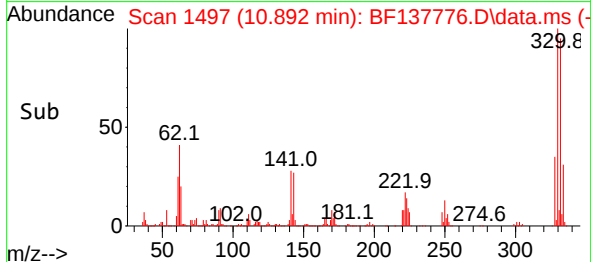
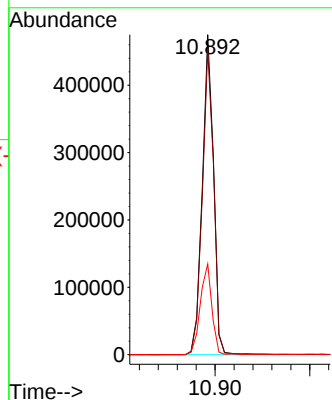
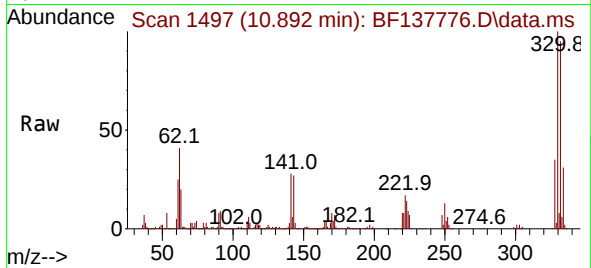




#42
 2,4,6-Tribromophenol
 Concen: 87.615 ng
 RT: 10.892 min Scan# 1497
 Delta R.T. -0.006 min
 Lab File: BF137776.D
 Acq: 30 Apr 2024 18:00

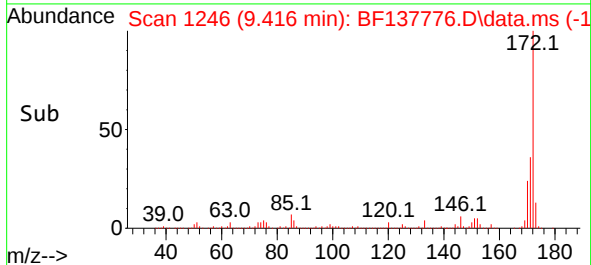
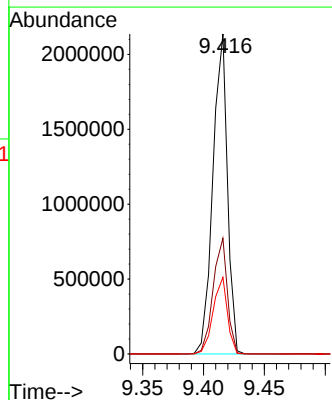
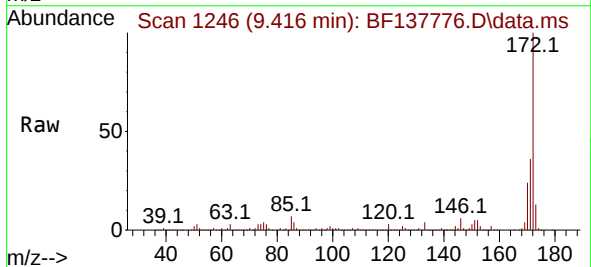
Instrument :
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 FOOT-PRINT-B-2

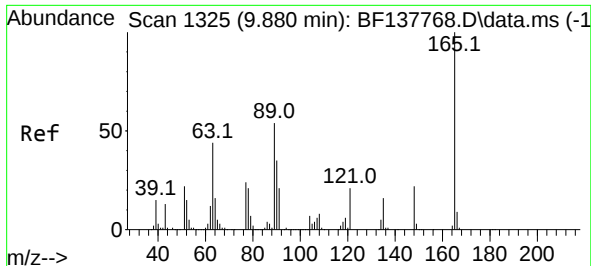
Tgt Ion:330 Resp: 394810
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.3 115.9
 141 29.0 23.8 35.6



#45
 2-Fluorobiphenyl
 Concen: 65.356 ng
 RT: 9.416 min Scan# 1246
 Delta R.T. -0.006 min
 Lab File: BF137776.D
 Acq: 30 Apr 2024 18:00

Tgt Ion:172 Resp: 1777905
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.9 19.4 29.2

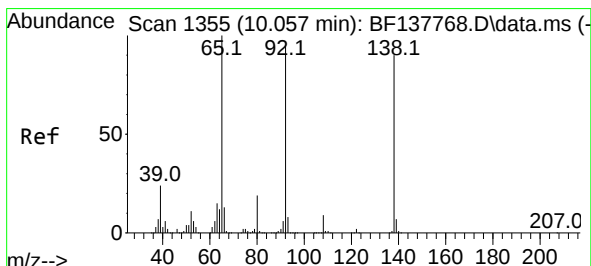
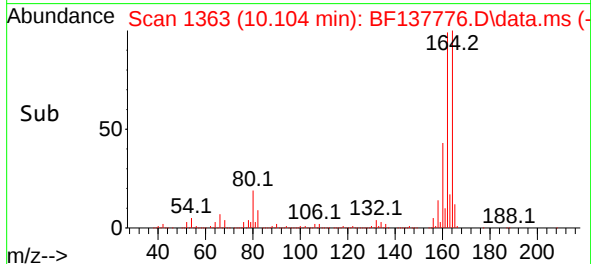
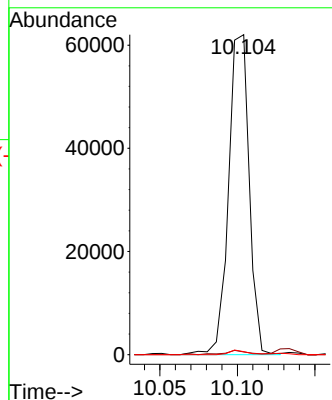
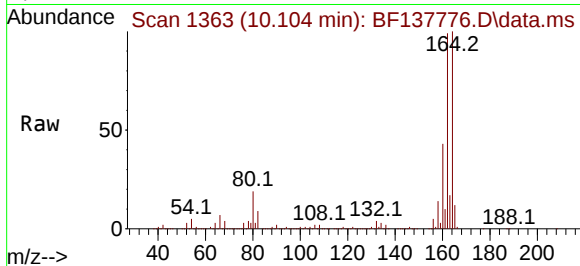




#51
2,6-Dinitrotoluene
Concen: 9.033 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.224 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

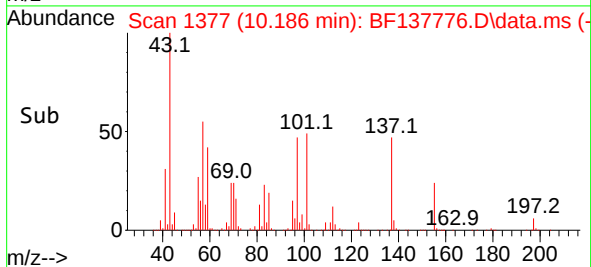
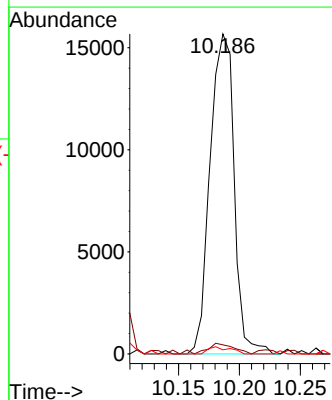
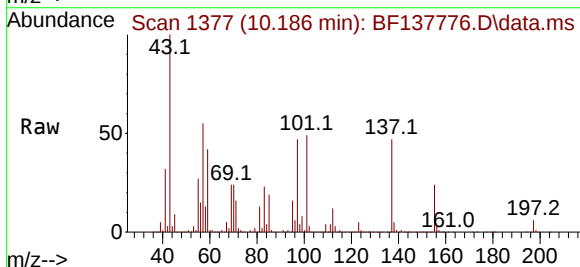
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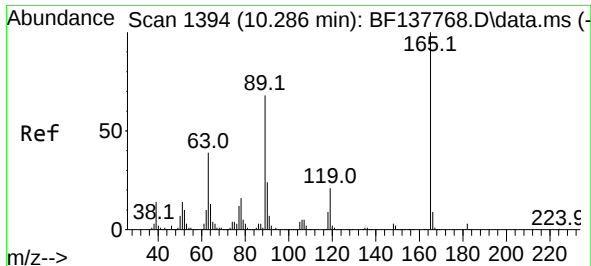
Tgt Ion:165 Resp: 57516
Ion Ratio Lower Upper
165 100
63 0.9 41.9 62.9#
89 1.0 43.2 64.8#



#53
3-Nitroaniline
Concen: 3.233 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.129 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion:138 Resp: 21560
Ion Ratio Lower Upper
138 100
108 2.8 7.8 11.6#
92 1.3 84.6 126.8#

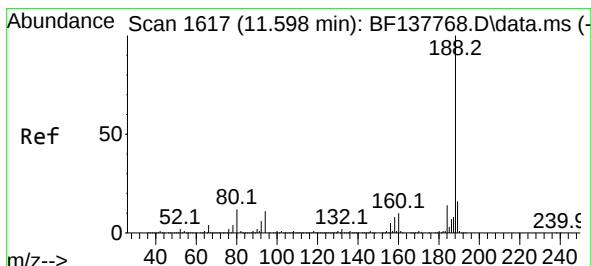
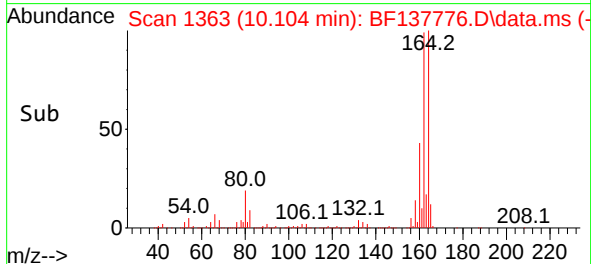
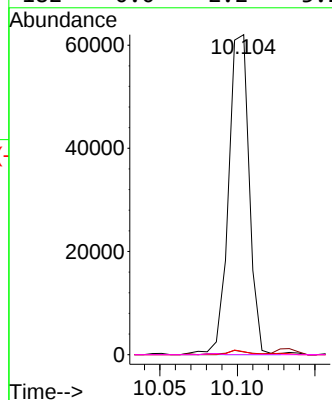
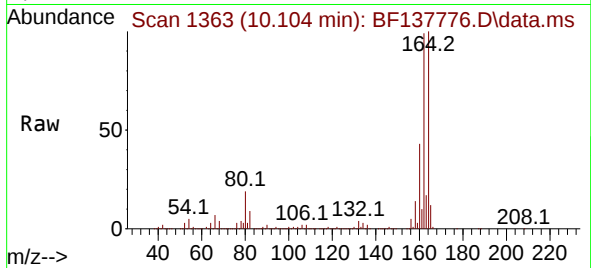




#57
2,4-Dinitrotoluene
Concen: 6.914 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

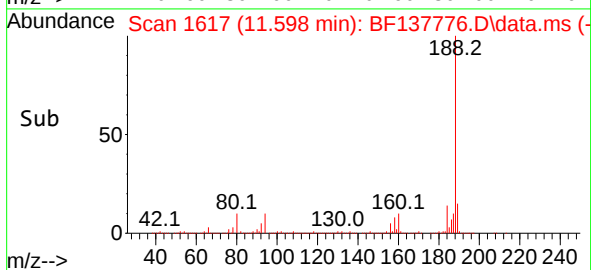
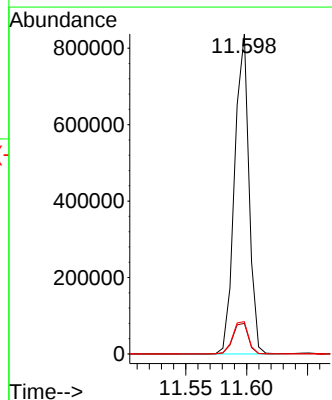
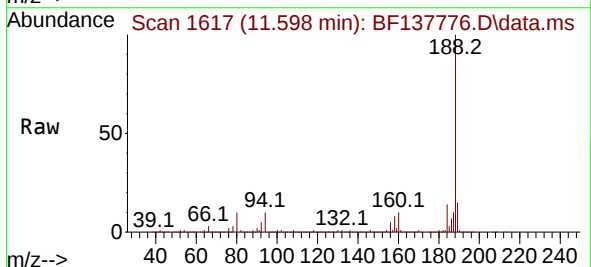
Instrument :
BNA_F
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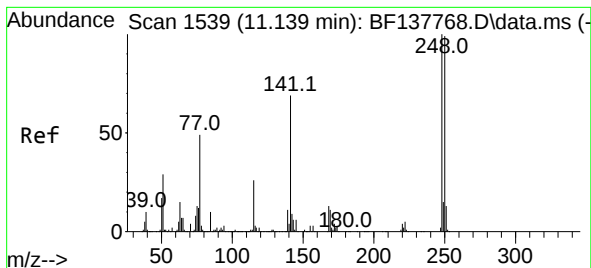
Tgt Ion:165 Resp: 57516
Ion Ratio Lower Upper
165 100
63 0.9 31.3 46.9#
89 1.0 54.2 81.4#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion:188 Resp: 685454
Ion Ratio Lower Upper
188 100
94 9.6 8.8 13.2
80 10.1 9.6 14.4

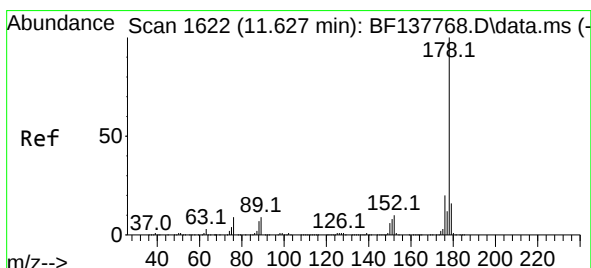
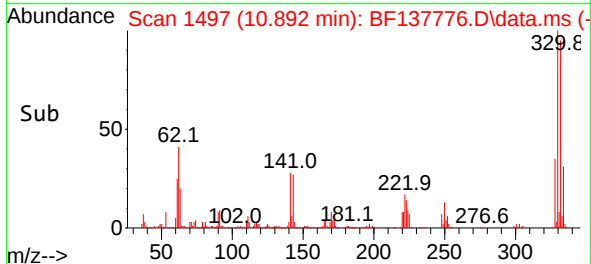
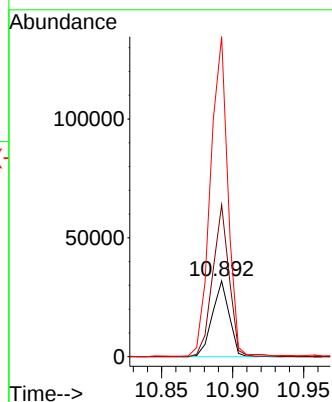
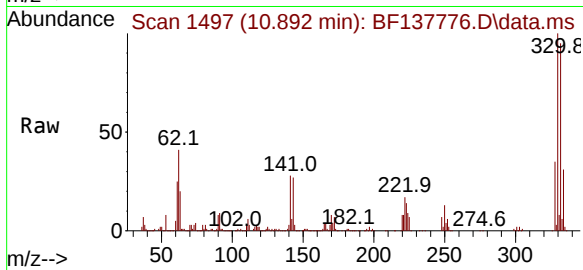




#67
4-Bromophenyl-phenylether
Concen: 3.595 ng
RT: 10.892 min Scan# 1497
Delta R.T. -0.247 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

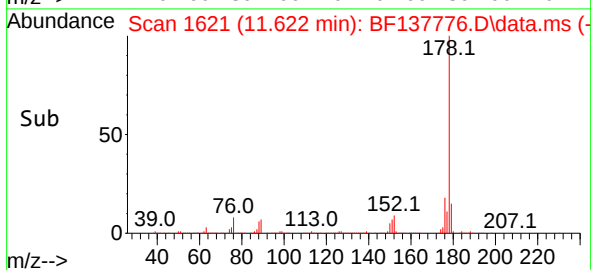
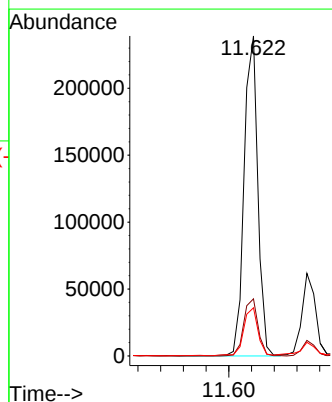
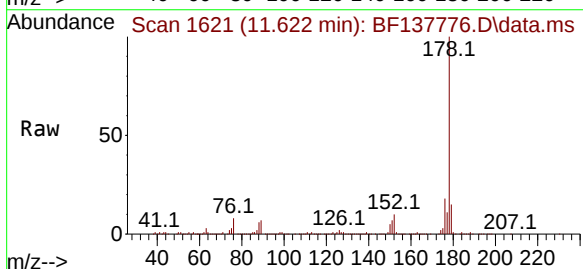
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2

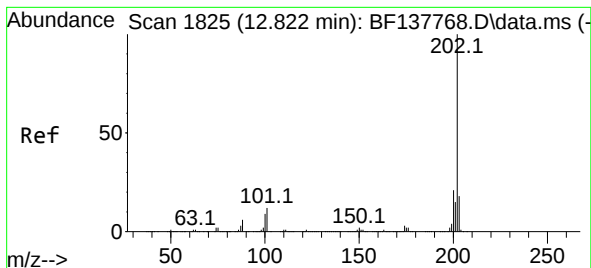
Tgt Ion:248 Resp: 26369
Ion Ratio Lower Upper
248 100
250 200.8 79.1 118.7#
141 423.0 55.4 83.2#



#71
Phenanthrene
Concen: 6.004 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion:178 Resp: 200606
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.6
179 15.1 12.5 18.7

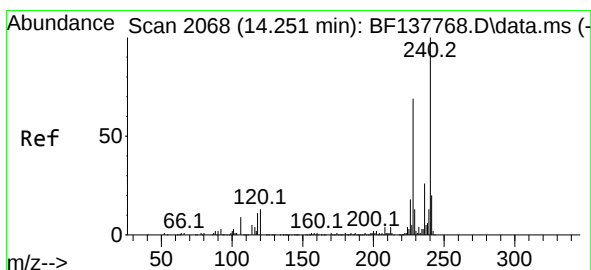
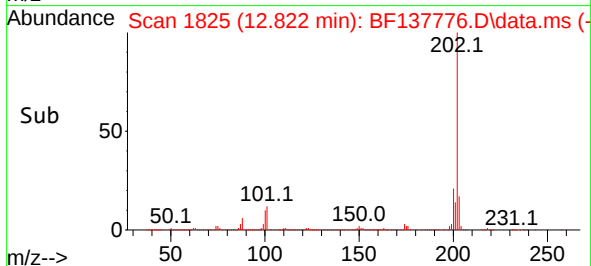
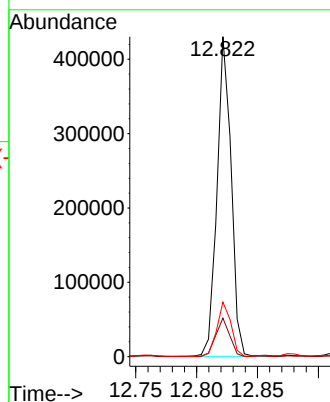
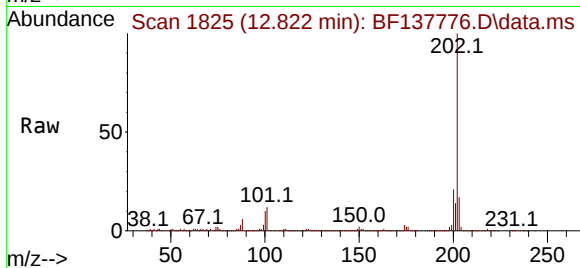




#75
Fluoranthene
Concen: 9.551 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

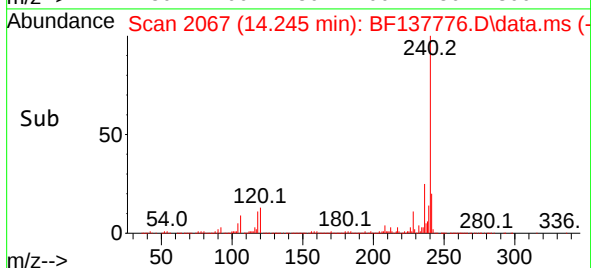
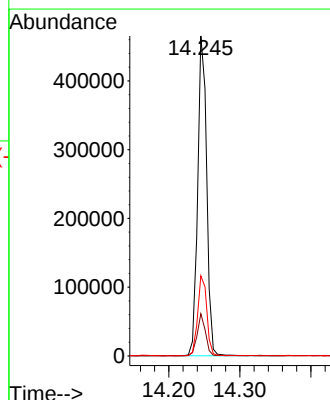
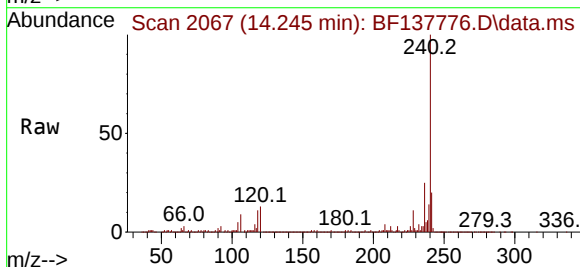
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2

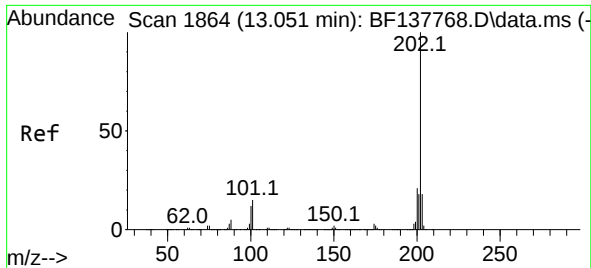
Tgt Ion:202 Resp: 348807
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.8
203 17.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.245 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion:240 Resp: 410238
Ion Ratio Lower Upper
240 100
120 13.2 10.4 15.6
236 25.0 20.4 30.6





#78

Pyrene

Concen: 9.015 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-2

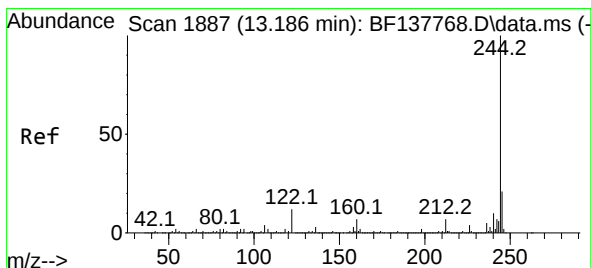
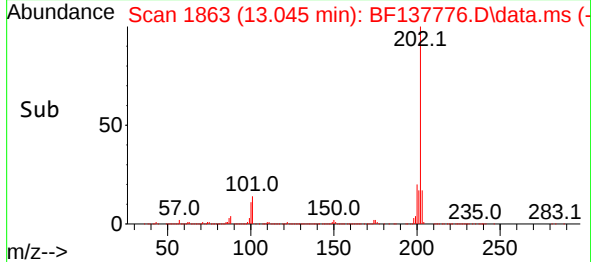
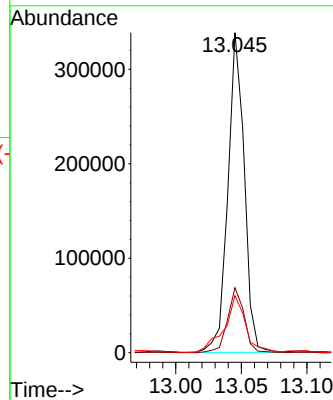
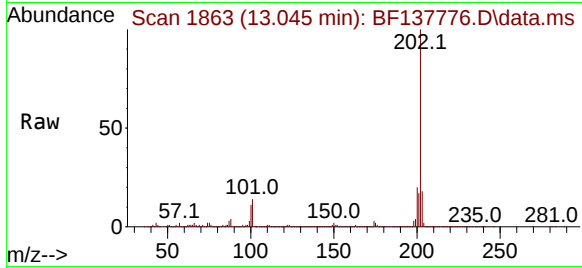
Tgt Ion:202 Resp: 293244

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

203 17.8 14.4 21.6



#79

Terphenyl-d14

Concen: 61.438 ng

RT: 13.186 min Scan# 1887

Delta R.T. 0.000 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

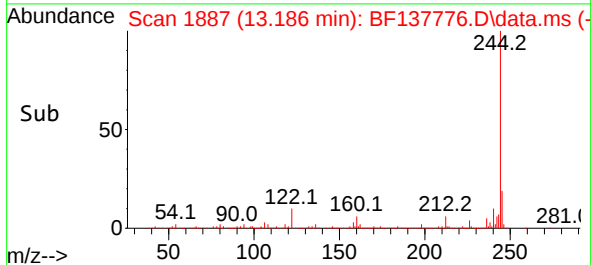
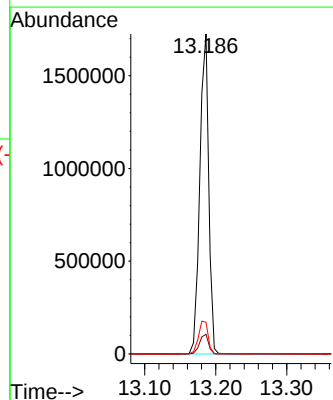
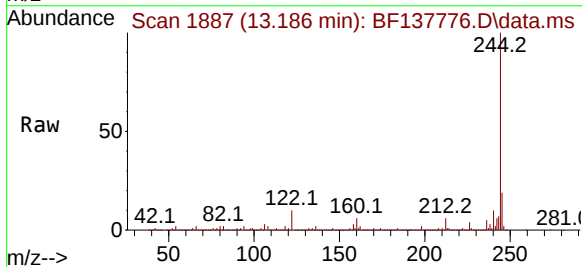
Tgt Ion:244 Resp: 1503955

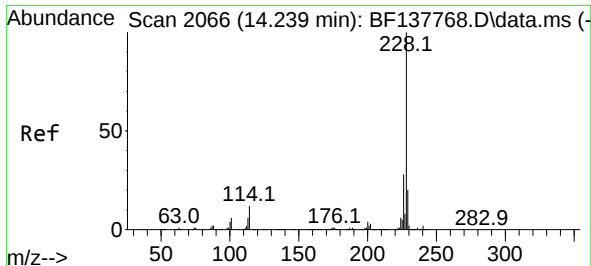
Ion Ratio Lower Upper

244 100

212 6.2 5.5 8.3

122 9.9 9.4 14.2

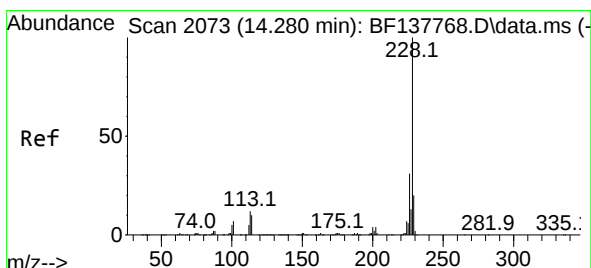
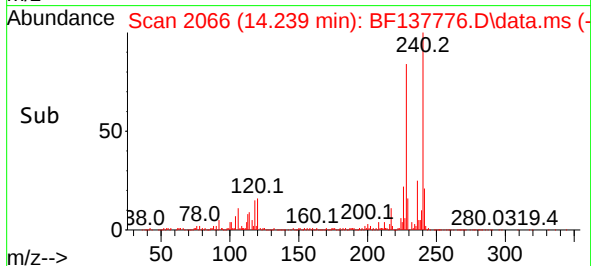
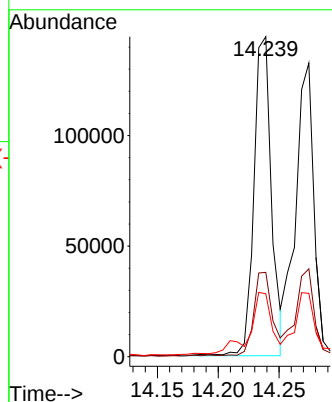
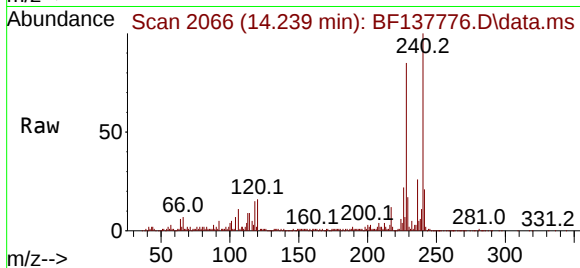




#81
Benzo(a)anthracene
Concen: 5.529 ng
RT: 14.239 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

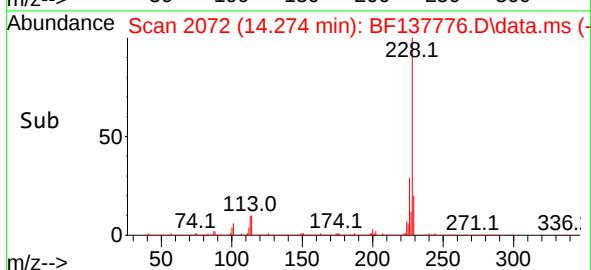
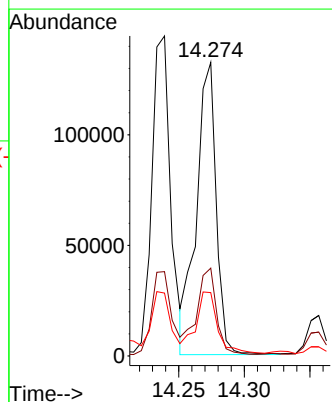
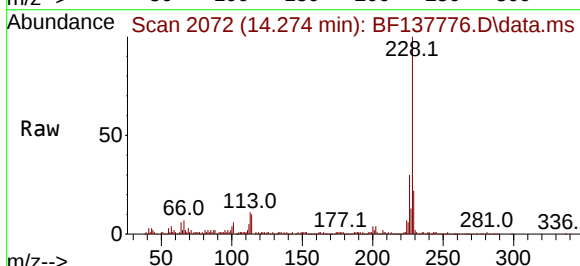
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2

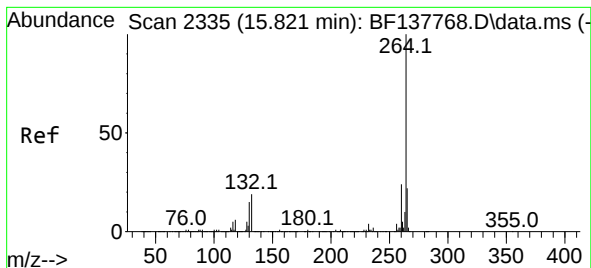
Tgt Ion:228 Resp: 145075
Ion Ratio Lower Upper
228 100
226 26.4 22.2 33.2
229 19.6 16.3 24.5



#83
Chrysene
Concen: 5.668 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Tgt Ion:228 Resp: 139250
Ion Ratio Lower Upper
228 100
226 29.9 24.8 37.2
229 21.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.821 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-2

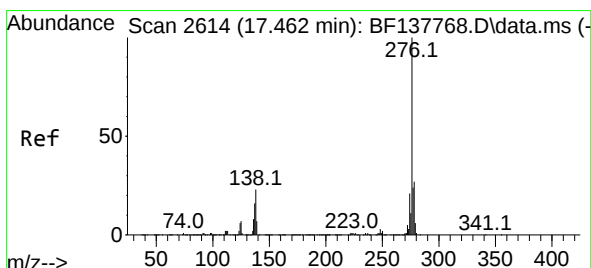
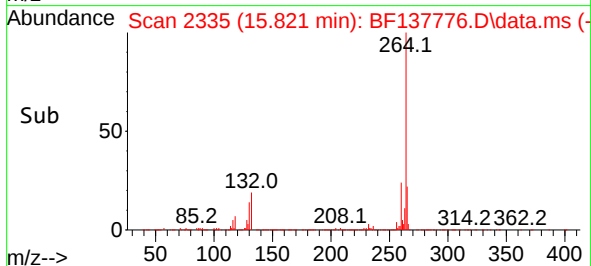
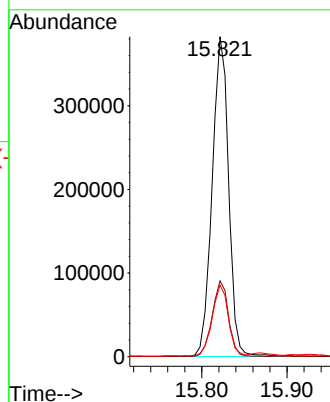
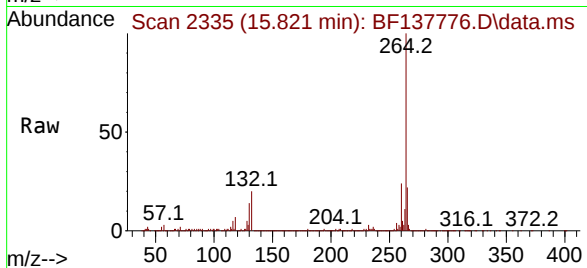
Tgt Ion:264 Resp: 513325

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.255 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.012 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

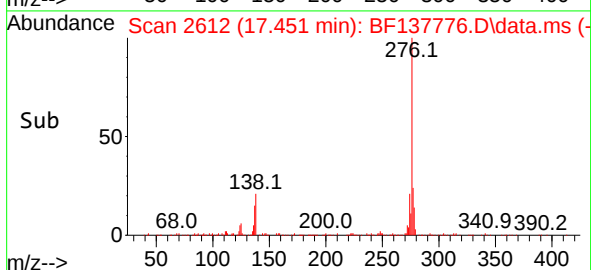
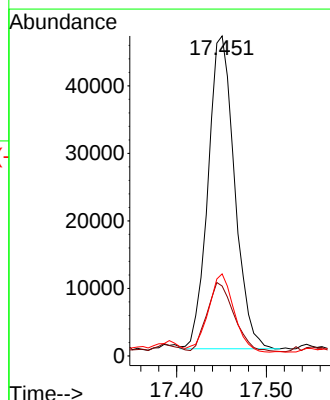
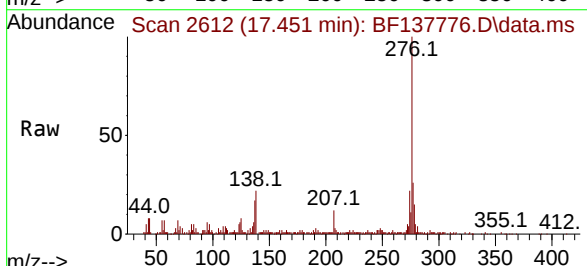
Tgt Ion:276 Resp: 95002

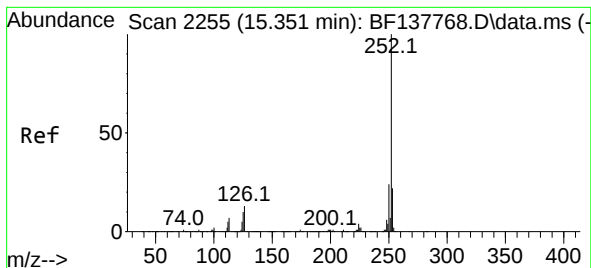
Ion Ratio Lower Upper

276 100

138 22.6 21.4 32.0

277 24.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 8.464 ng

RT: 15.345 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-2

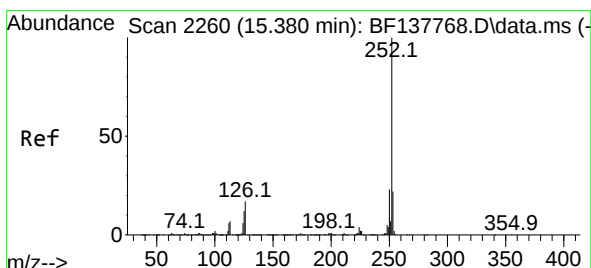
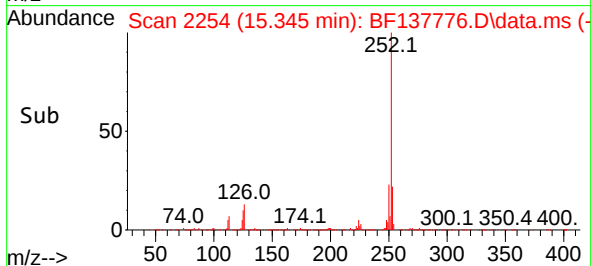
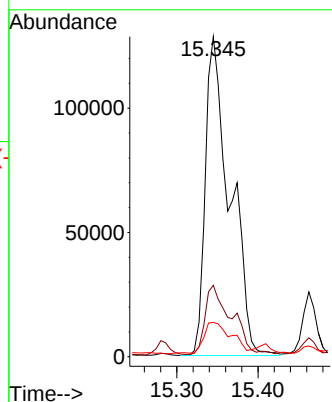
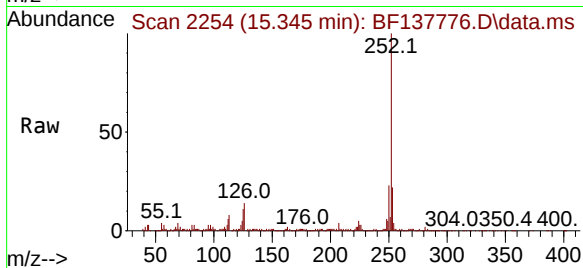
Tgt Ion:252 Resp: 270321

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 10.7 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 8.757 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.035 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

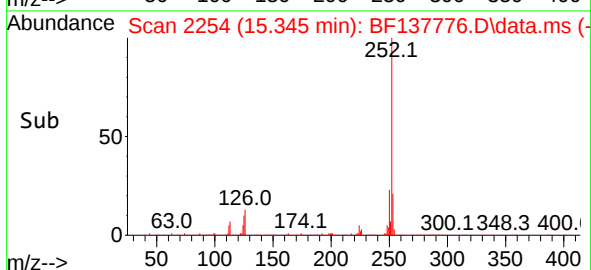
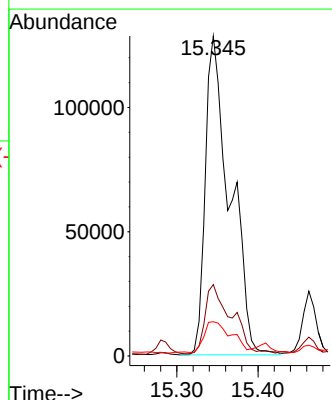
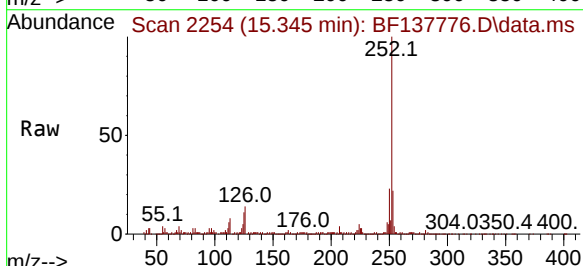
Tgt Ion:252 Resp: 270321

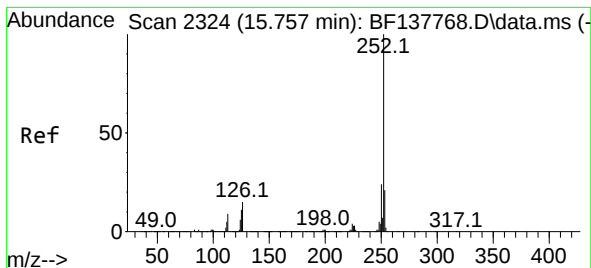
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 10.7 9.0 13.4





#90

Benzo(a)pyrene

Concen: 5.549 ng

RT: 15.751 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-2

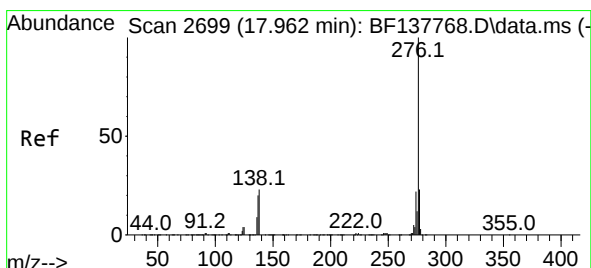
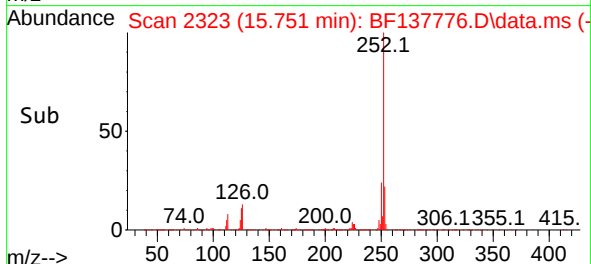
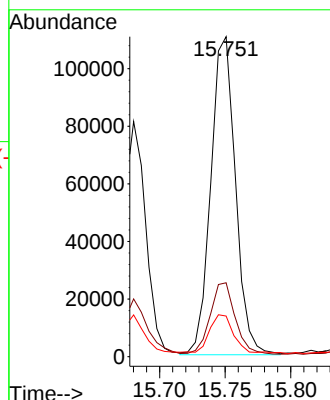
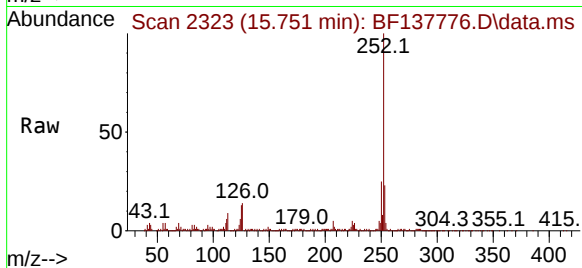
Tgt Ion:252 Resp: 144596

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 12.7 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 3.654 ng

RT: 17.951 min Scan# 2697

Delta R.T. -0.012 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Tgt Ion:276 Resp: 90988

Ion Ratio Lower Upper

276 100

277 24.6 18.0 27.0

138 21.9 18.1 27.1

